FCC RF Test Report

APPLICANT	:	Motorola Mobility, LLC
EQUIPMENT	:	Mobile Cellular Phone
BRAND NAME	:	Motorola
MODEL NAME	:	5137
FCC ID	:	IHDT56UC2
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

The product was received on Apr. 15, 2015 and testing was completed on May 17, 2015. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Louis Wu

Reviewed by: Louis Wu / Manager

Jones Tsai

Approved by: Jones Tsai / Manager

Testing Laboratory 1190

SPORTON INTERNATIONAL INC.
No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR541573E	Rev. 01	Initial issue of report	Jun. 18, 2015

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 15.403(i)	26dB & 99% Bandwidth	-	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	FCC ≤ 24 dBm (depend on band)	Pass	-
3.3	15.407(a)	Power Spectral Density	FCC ≤ 11 dBm (depend on band)	Pass	-
3.4	15.407(b)	Unwanted Emissions	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 1.00 dB at 5148.650 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 7.50 dB at 2.046 MHz
3.6	15.407(g)	Frequency Stability	Within Operation Band	Pass	-
3.7	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.8	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-;

1 General Description

1.1 Applicant

Motorola Mobility, LLC
222 W Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, United States

1.2 Manufacturer

Motorola Mobility, LLC
222 W Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, United States

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	5137
IMEI Code	355486060017664 (Radiation) 355486060017805 (Conduction)
FCC ID	IHDT56UC2
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/NFC 2.4GHz: WLAN 11b/g/n HT20, WLAN 11ac VHT20 5GHz: WLAN 11a/n HT20/HT40, WLAN 11ac VHT20/VHT40/VHT80 Bluetooth v3.0 EDR Bluetooth v4.1 - LE
HW Version	P2
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

Accessory List	
AC Adapter 1	Brand Name : Motorola
	Model Name : SPN5791A
AC Adapter 2	Brand Name : Motorola
	Model Name : SPN5864A
AC Adapter 3	Brand Name : Motorola
	Model Name : SPN5886A
Earphone	Brand Name : Motorola
	Model Name : SJYN1305A
Battery	Brand Name : Motorola
	Model Name : FX30
USB cable	Brand Name : Motorola
	Model Name : SKN6461A

1.4 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Channel Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5700 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **SISO <Ant. 1>** 802.11a : 14.16 dBm / 0.0261 W 802.11n HT20 : 14.24 dBm / 0.0265 W 802.11n HT40 : 14.09 dBm / 0.0256 W 802.11ac VHT20: 14.22 dBm / 0.0264 W 802.11ac VHT40: 14.18 dBm / 0.0262 W 802.11ac VHT80: 10.57 dBm / 0.0114 W **SISO <Ant. 2>** 802.11a : 14.45 dBm / 0.0279 W 802.11n HT20 : 14.65 dBm / 0.0292 W 802.11n HT40 : 14.44 dBm / 0.0278 W 802.11ac VHT20: 14.46 dBm / 0.0279 W 802.11ac VHT40: 14.53 dBm / 0.0284 W 802.11ac VHT80: 10.86 dBm / 0.0122 W **MIMO <Ant. 1 + 2>** 802.11a : 17.31 dBm / 0.0538 W 802.11n HT20 : 17.71 dBm / 0.0590 W 802.11n HT40 : 17.49 dBm / 0.0561 W 802.11ac VHT20: 17.60 dBm / 0.0575 W 802.11ac VHT40: 17.46 dBm / 0.0557 W 802.11ac VHT80: 13.67 dBm / 0.0233 W

Product Specification subjective to this standard	
Maximum Output Power	**<5260 MHz ~ 5320 MHz>** **SISO <Ant. 1>** 802.11a : 16.22 dBm / 0.0419 W 802.11n HT20 : 14.26 dBm / 0.0267 W 802.11n HT40 : 14.15 dBm / 0.0260 W 802.11ac VHT20: 14.18 dBm / 0.0262 W 802.11ac VHT40: 14.11 dBm / 0.0258 W 802.11ac VHT80: 12.01 dBm / 0.0159 W **SISO <Ant. 2>** 802.11a : 16.78 dBm / 0.0476 W 802.11n HT20 : 15.03 dBm / 0.0318 W 802.11n HT40 : 15.01 dBm / 0.0317 W 802.11ac VHT20: 14.93 dBm / 0.0311 W 802.11ac VHT40: 14.98 dBm / 0.0315 W 802.11ac VHT80: 12.62 dBm / 0.0183 W **MIMO <Ant. 1 + 2>** 802.11a : 19.29 dBm / 0.0849 W 802.11n HT20 : 17.75 dBm / 0.0596 W 802.11n HT40 : 17.64 dBm / 0.0581 W 802.11ac VHT20: 17.58 dBm / 0.0573 W 802.11ac VHT40: 17.51 dBm / 0.0564 W 802.11ac VHT80: 15.31 dBm / 0.0340 W **5500 MHz ~ 5700 MHz** **SISO <Ant. 1>** 802.11a : 16.53 dBm / 0.0450 W 802.11n HT20 : 14.79 dBm / 0.0301 W 802.11n HT40 : 14.48 dBm / 0.0281 W 802.11ac VHT20: 14.65 dBm / 0.0292 W 802.11ac VHT40: 14.56 dBm / 0.0286 W 802.11ac VHT80: 13.25 dBm / 0.0211 W **SISO <Ant. 2>** 802.11a : 16.88 dBm / 0.0488 W 802.11n HT20 : 15.31 dBm / 0.0340 W 802.11n HT40 : 14.98 dBm / 0.0315 W 802.11ac VHT20: 15.09 dBm / 0.0323 W 802.11ac VHT40: 14.95 dBm / 0.0313 W 802.11ac VHT80: 13.71 dBm / 0.0235 W **MIMO <Ant. 1 + 2>** 802.11a : 19.44 dBm / 0.0879 W 802.11n HT20 : 18.31 dBm / 0.0678 W 802.11n HT40 : 17.87 dBm / 0.0612 W 802.11ac VHT20: 18.06 dBm / 0.0640 W 802.11ac VHT40: 17.78 dBm / 0.0600 W 802.11ac VHT80: 16.49 dBm / 0.0446 W

<table>
<tr><th colspan="2">Product Specification subjective to this standard</th></tr>
<tr><td>99% Occupied Bandwidth</td><td><5150 MHz ~ 5250 MHz>
802.11a : 17.10 MHz
802.11n HT20 : 18.20 MHz
802.11n HT40 : 36.30 MHz
802.11ac VHT20 : 18.15 MHz
802.11ac VHT40 : 36.30 MHz
802.11ac VHT80 : 75.00 MHz
<5250 MHz ~ 5350 MHz>
802.11a : 26.05 MHz
802.11n HT20 : 18.10 MHz
802.11n HT40 : 36.30 MHz
802.11ac VHT20 : 18.15 MHz
802.11ac VHT40 : 36.50 MHz
802.11ac VHT80 : 75.00 MHz
<5470 MHz ~ 5725 MHz>
802.11a : 18.85 MHz
802.11n HT20 : 18.05 MHz
802.11n HT40 : 36.30 MHz
802.11ac VHT20 : 18.05 MHz
802.11ac VHT40 : 36.40 MHz
802.11ac VHT80 : 75.12 MHz</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)</td></tr>
<tr><td>Antenna Type</td><td>Antenna 1 : IFA Antenna
Antenna 2 : IFA Antenna</td></tr>
<tr><td>Antenna Gain</td><td><5150 MHz ~ 5250 MHz>
Antenna 1 : 0.50 dBi
Antenna 2 : 0.50 dBi
<5250 MHz ~ 5350 MHz>
Antenna 1 : 0.50 dBi
Antenna 2 : 0.50 dBi
<5470 MHz ~ 5725 MHz>
Antenna 1 : 0.00 dBi
Antenna 2 : 0.00 dBi</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 1</th><th>Ant. 2</th></tr>
<tr><td>802.11 a/n/ac SISO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.		
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978		
Test Site No.	**Sporton Site No.**		
	TH02-HY	CO05-HY	03CH07-HY

Note: The test site complies with ANSI C63.4 2009 requirement.

1.7 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v01
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
- ANSI C63.10-2009

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. FCC permits the use of the 1.5 meter table as an alternative in C63.10-2013 through inquiry tracking number 961829.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conducted emission (150 kHz to 30 MHz) and radiated emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

The final configuration from all the combinations and the worst-case data rates were investigated by measuring the maximum power across all the data rates and modulation modes under section 2.2.

Based on the worst configuration found above, the RF power setting is set individually to meet FCC compliance limit for the final conducted and radiated tests shown in section 2.3.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38	**5190**	**46**	**5230**
	40	5200	48	5240
	42	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54	**5270**	**62**	**5310**
	56	5280	64	5320
	58	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	120	5600
	102	**5510**	122	5610
	104	5520	124	5620
	106	5530	**126**	**5630**
	108	5540	128	5640
	110	**5550**	132	5660
	112	5560	**134**	**5670**
	116	5580	136	5680
	118	**5590**	140	5700

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	144	5720	**142**	**5710**
	138	5690		

Note: The above Frequency and Channel in boldface were 802.11n HT40.

2.2 Pre-Scanned RF Power

Preliminary tests were performed in different data rate and data rate associated with the highest power were chosen for full test in the following tables.

SISO <Ant. 1>

Channel	Frequency	5GHz 802.11a Average Power (dBm)							
		Data Rate							
		6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps
CH 36	5180 MHz	14.16	14.15	14.13	14.12	14.14	13.81	13.05	12.98
CH 44	5220 MHz	14.11	14.08	14.00	14.05	14.04	13.67	12.91	12.89
CH 48	5240 MHz	13.98	13.94	13.92	13.92	13.92	13.59	12.83	12.80
CH 52	5260 MHz	16.22	16.18	16.18	16.20	16.15	13.69	12.87	12.88
CH 60	5300 MHz	16.20	16.03	16.03	16.11	16.12	13.63	12.87	12.83
CH 64	5320 MHz	13.43	13.42	13.40	13.39	13.38	13.23	12.89	12.82
CH 100	5500 MHz	15.31	15.30	15.29	15.29	15.26	13.97	13.19	13.15
CH 116	5580 MHz	**16.53**	16.21	16.18	16.31	16.18	13.89	13.07	13.00
CH 140	5700 MHz	14.51	14.44	14.43	14.41	14.40	13.78	12.91	12.92

Channel	Frequency	5GHz 802.11a Peak Power (dBm)							
		Data Rate							
		6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps
CH 36	5180 MHz	19.72	19.70	19.69	19.69	19.70	19.69	19.69	19.64
CH 44	5220 MHz	19.71	19.69	19.68	19.69	19.69	19.70	19.70	19.67
CH 48	5240 MHz	19.60	19.58	19.58	19.57	19.58	19.58	19.54	19.56
CH 52	5260 MHz	20.18	20.12	20.10	19.93	20.16	20.15	20.15	20.15
CH 60	5300 MHz	20.02	19.96	19.93	20.00	20.01	20.00	19.98	20.01
CH 64	5320 MHz	19.80	19.76	19.74	19.68	19.72	19.87	19.99	19.96
CH 100	5500 MHz	20.10	20.09	20.08	20.08	20.07	20.09	20.09	20.00
CH 116	5580 MHz	**20.34**	20.12	20.01	20.01	20.09	20.19	20.30	20.20
CH 140	5700 MHz	19.54	19.53	19.52	19.51	19.50	20.09	20.06	20.07

Channel	Frequency	5GHz 802.11n HT20 Average Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 36	5180 MHz	13.96	13.82	13.80	13.51	13.44	13.15	13.09	12.06
CH 44	5220 MHz	14.24	14.22	14.20	14.07	14.04	13.48	13.20	12.14
CH 48	5240 MHz	14.19	14.16	14.14	13.60	13.59	12.84	12.80	11.78
CH 52	5260 MHz	14.26	14.02	14.12	13.79	13.77	12.91	12.89	11.85
CH 60	5300 MHz	14.10	14.04	14.09	13.77	13.76	12.86	12.90	11.81
CH 64	5320 MHz	14.13	14.02	14.01	13.84	13.82	12.88	12.77	12.02
CH 100	5500 MHz	**14.79**	14.63	14.72	13.99	14.35	13.46	13.41	12.32
CH 116	5580 MHz	14.41	14.35	14.31	13.93	13.88	12.86	12.83	11.95
CH 140	5700 MHz	14.35	14.34	14.32	13.87	13.79	12.96	12.89	11.90

Channel	Frequency	5GHz 802.11n HT20 Peak Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 36	5180 MHz	19.61	19.60	19.60	19.60	19.55	19.57	19.56	19.53
CH 44	5220 MHz	19.85	19.84	19.83	19.83	19.82	19.81	19.61	19.59
CH 48	5240 MHz	19.71	19.65	19.63	19.62	19.61	19.61	19.60	19.59
CH 52	5260 MHz	19.83	19.82	19.81	19.81	19.80	19.82	19.81	19.80
CH 60	5300 MHz	19.73	19.72	19.72	19.71	19.71	19.70	19.70	19.69
CH 64	5320 MHz	19.75	19.73	19.72	19.71	19.71	19.70	19.70	19.69
CH 100	5500 MHz	**20.20**	20.18	20.17	20.17	20.16	20.17	20.19	20.12
CH 116	5580 MHz	19.90	19.89	19.88	19.88	19.87	19.87	19.87	19.73
CH 140	5700 MHz	19.88	19.84	19.83	19.85	19.85	19.84	19.84	19.74

Channel	Frequency	5GHz 802.11n HT40 Average Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 38	5190MHz	10.86	10.61	10.57	10.56	10.55	10.34	10.24	10.09
CH 46	5230MHz	14.09	14.07	13.97	13.25	13.25	12.35	12.24	11.23
CH 54	5270MHz	14.15	13.94	13.99	12.98	13.07	12.10	12.07	11.02
CH 62	5310MHz	13.12	12.89	12.86	12.38	12.56	12.37	12.29	11.11
CH 102	5510MHz	12.16	11.73	11.55	11.16	11.15	11.14	11.09	11.56
CH 110	5550MHz	**14.48**	14.32	14.22	13.32	13.43	12.49	12.49	11.57
CH 134	5670MHz	14.29	14.03	14.11	13.29	13.19	12.19	12.26	11.32

Channel	Frequency	5GHz 802.11n HT40 Peak Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 38	5190MHz	17.62	17.52	17.20	17.60	17.61	17.60	17.58	17.59
CH 46	5230MHz	19.71	19.59	19.62	19.70	19.70	19.68	19.63	18.76
CH 54	5270MHz	19.77	19.70	19.72	19.74	19.63	19.75	19.73	18.70
CH 62	5310MHz	19.41	19.10	19.05	19.67	19.67	19.70	19.70	18.84
CH 102	5510MHz	18.78	18.20	18.00	18.76	18.75	18.77	18.40	18.33
CH 110	5550MHz	**20.02**	19.96	19.97	20.00	19.92	19.97	19.87	19.22
CH 134	5670MHz	19.92	19.62	19.63	19.80	19.90	19.76	19.65	18.55

Channel	Frequency	5GHz 802.11ac VHT20 Average Power (dBm)								
		Data Rate								
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 36	5180 MHz	13.51	13.50	13.37	13.39	13.43	13.03	12.92	11.89	11.88
CH 44	5220 MHz	14.22	14.18	14.19	14.02	14.01	13.09	12.96	12.12	11.23
CH 48	5240 MHz	14.14	14.03	14.11	13.90	13.83	13.08	12.97	11.98	11.17
CH 52	5260 MHz	14.18	14.13	14.12	13.87	13.84	12.99	12.92	11.79	10.79
CH 60	5300 MHz	14.10	14.06	14.09	13.90	13.83	13.04	12.98	12.01	11.28
CH 64	5320 MHz	14.08	14.07	14.05	13.78	13.79	13.17	12.89	12.08	11.23
CH 100	5500 MHz	**14.65**	14.54	14.54	14.23	14.20	13.18	13.32	12.10	11.21
CH 116	5580 MHz	14.35	14.18	14.20	13.85	13.88	13.04	13.00	11.97	11.13
CH 140	5700 MHz	14.27	14.15	14.25	13.82	13.79	12.94	12.93	11.96	11.07

Channel	Frequency	5GHz 802.11ac VHT20 Peak Power (dBm)								
		Data Rate								
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 36	5180 MHz	19.54	19.53	19.51	19.51	19.50	19.52	19.53	19.51	19.52
CH 44	5220 MHz	19.90	19.62	19.68	19.86	19.88	19.84	19.89	19.86	18.55
CH 48	5240 MHz	19.75	19.41	19.50	19.70	19.73	19.71	19.74	19.59	19.08
CH 52	5260 MHz	19.86	19.85	19.84	19.83	19.82	19.81	19.80	19.78	19.34
CH 60	5300 MHz	19.80	19.77	19.76	19.77	19.78	19.78	19.77	19.78	19.63
CH 64	5320 MHz	19.74	19.73	19.71	19.72	19.73	19.71	19.71	19.71	19.35
CH 100	5500 MHz	**20.14**	20.13	20.12	19.61	19.60	19.58	19.59	19.53	19.41
CH 116	5580 MHz	19.90	19.83	19.86	19.88	19.89	19.87	19.84	19.51	19.50
CH 140	5700 MHz	19.76	19.61	19.59	19.74	19.71	19.71	19.75	19.68	19.24

Channel	Frequency	5GHz 802.11ac VHT40 Average Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 38	5190MHz	10.88	10.54	10.51	10.50	10.49	10.40	10.11	10.05	10.06	9.62
CH 46	5230MHz	14.18	14.00	14.02	13.16	13.37	12.32	12.30	11.33	10.62	9.71
CH 54	5270MHz	14.11	14.04	14.06	13.26	13.43	12.40	12.39	11.48	10.71	9.95
CH 62	5310MHz	12.63	12.40	12.39	12.35	12.59	12.20	12.31	11.35	10.50	9.69
CH 102	5510MHz	12.13	11.89	11.89	11.93	12.09	12.12	12.12	11.99	11.20	10.30
CH 110	5550MHz	**14.56**	14.31	14.54	13.60	13.86	12.61	12.51	11.82	10.95	9.99
CH 134	5670MHz	14.35	14.28	14.28	13.43	13.57	12.55	12.52	11.52	10.67	9.73

Channel	Frequency	5GHz 802.11ac VHT40 Peak Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 38	5190MHz	17.64	17.40	17.30	17.63	17.63	17.62	17.61	17.63	17.61	17.62
CH 46	5230MHz	19.71	19.53	19.57	19.70	19.68	19.69	19.59	18.48	18.41	18.48
CH 54	5270MHz	19.76	19.66	19.70	19.75	19.74	19.71	19.72	18.71	18.67	18.47
CH 62	5310MHz	19.23	18.93	18.91	19.09	19.22	19.22	19.21	19.22	18.30	18.40
CH 102	5510MHz	19.03	18.58	18.53	18.95	19.01	19.00	19.02	19.31	18.81	18.65
CH 110	5550MHz	**20.05**	19.87	19.78	19.88	19.96	19.94	19.99	19.24	18.81	18.73
CH 134	5670MHz	19.65	19.55	19.56	19.52	19.56	19.57	19.43	18.72	18.48	18.52

Channel	Frequency	5GHz 802.11ac VHT80 Average Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 42	5210MHz	10.57	10.25	10.22	10.43	10.40	10.43	10.56	10.04	10.32	10.34
CH 58	5290MHz	12.01	11.80	11.71	11.97	11.93	11.64	11.69	10.86	10.22	10.25
CH 106	5530MHz	10.66	10.41	10.34	10.62	10.54	10.63	10.60	9.84	10.42	10.43
CH 122	5610MHz	**13.25**	13.14	13.22	12.59	12.59	11.61	11.69	10.87	10.12	10.05

Channel	Frequency	5GHz 802.11ac VHT80 Peak Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 42	5210MHz	17.04	16.45	16.50	17.03	17.03	17.02	17.01	17.02	17.02	17.01
CH 58	5290MHz	18.59	18.41	18.24	18.58	18.56	18.55	18.58	18.52	18.41	18.46
CH 106	5530MHz	17.24	16.66	16.81	17.21	17.23	17.21	17.23	17.22	17.21	17.21
CH 122	5610MHz	**19.46**	19.20	19.00	19.41	19.42	19.25	19.20	18.91	18.33	18.35

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Channel	Frequency	5GHz 802.11a Average Power (dBm)							
		Data Rate							
		6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps
CH 36	5180 MHz	14.45	14.33	14.29	14.29	14.29	14.21	13.40	13.28
CH 44	5220 MHz	14.44	14.41	14.40	14.38	14.39	14.14	13.38	13.33
CH 48	5240 MHz	14.41	14.32	14.31	14.37	14.36	14.09	13.29	13.23
CH 52	5260 MHz	16.78	16.70	16.63	16.72	16.60	14.30	13.54	13.35
CH 60	5300 MHz	16.71	16.58	16.62	16.67	16.64	14.23	13.44	13.40
CH 64	5320 MHz	15.09	14.79	14.78	14.77	14.76	14.17	13.38	13.33
CH 100	5500 MHz	15.71	15.65	15.63	15.62	15.60	14.39	13.61	13.52
CH 116	5580 MHz	**16.88**	16.62	16.61	16.81	16.65	14.37	13.45	13.43
CH 140	5700 MHz	14.75	14.70	14.66	14.65	14.64	14.16	13.31	13.28

Channel	Frequency	5GHz 802.11a Peak Power (dBm)							
		Data Rate							
		6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps
CH 36	5180 MHz	20.41	20.39	20.34	20.30	20.40	20.39	20.38	20.38
CH 44	5220 MHz	20.34	20.26	20.24	20.25	20.32	20.33	20.30	20.31
CH 48	5240 MHz	20.40	20.19	20.31	20.16	20.39	20.37	20.36	20.37
CH 52	5260 MHz	20.57	20.33	20.29	20.46	20.36	20.45	20.44	20.45
CH 60	5300 MHz	20.46	20.44	20.41	20.37	20.45	20.45	20.45	20.14
CH 64	5320 MHz	20.34	20.32	20.32	20.31	20.30	20.30	20.32	20.32
CH 100	5500 MHz	20.23	20.22	20.21	20.22	20.21	20.22	20.22	20.22
CH 116	5580 MHz	**20.67**	20.45	20.52	20.56	20.56	20.44	20.63	20.62
CH 140	5700 MHz	20.13	20.12	20.11	20.10	20.08	20.11	20.11	20.12

Channel	Frequency	5GHz 802.11n HT20 Average Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 36	5180 MHz	14.14	14.12	14.10	13.65	13.60	13.41	13.22	12.29
CH 44	5220 MHz	14.64	14.63	14.62	14.20	14.18	13.41	13.35	12.44
CH 48	5240 MHz	14.65	14.61	14.60	14.22	14.15	13.36	13.32	12.29
CH 52	5260 MHz	15.03	14.88	14.90	14.28	14.34	13.57	13.51	12.52
CH 60	5300 MHz	14.94	14.92	14.88	14.20	14.18	13.17	13.16	12.54
CH 64	5320 MHz	14.91	14.65	14.63	14.37	14.28	13.36	13.34	12.49
CH 100	5500 MHz	**15.31**	14.83	15.01	14.41	14.41	13.63	13.48	12.49
CH 116	5580 MHz	15.28	14.89	14.88	14.27	14.26	14.25	14.24	12.37
CH 140	5700 MHz	14.73	14.64	14.62	14.25	13.22	13.21	13.20	12.29

Channel	Frequency	5GHz 802.11n HT20 Peak Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 36	5180 MHz	19.91	19.90	19.90	19.90	19.85	19.87	19.86	19.87
CH 44	5220 MHz	20.21	20.20	20.19	20.19	20.18	20.18	20.18	19.94
CH 48	5240 MHz	20.20	20.18	20.16	20.15	20.15	20.14	20.14	20.14
CH 52	5260 MHz	20.12	20.10	20.09	20.10	20.11	20.10	20.11	20.08
CH 60	5300 MHz	20.10	20.09	20.09	20.08	20.07	12.07	20.06	19.96
CH 64	5320 MHz	19.46	19.44	19.44	19.43	19.43	19.42	19.42	19.41
CH 100	5500 MHz	**20.53**	20.45	20.43	20.50	20.51	20.50	20.50	20.32
CH 116	5580 MHz	20.41	20.21	20.20	20.19	20.19	20.18	20.18	19.94
CH 140	5700 MHz	20.44	20.37	20.36	20.36	20.36	20.35	20.35	20.30

Channel	Frequency	5GHz 802.11n HT40 Average Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 38	5190MHz	10.94	10.73	10.71	10.69	10.68	10.67	10.40	10.37
CH 46	5230MHz	14.44	14.43	14.43	13.48	12.72	12.83	12.81	11.95
CH 54	5270MHz	15.01	14.97	14.91	13.57	13.70	12.72	12.83	11.84
CH 62	5310MHz	13.69	13.49	13.38	13.62	11.47	11.26	11.50	12.14
CH 102	5510MHz	12.34	11.77	11.87	11.87	11.48	11.16	11.10	11.08
CH 110	5550MHz	**14.98**	14.83	14.92	13.56	13.64	12.77	12.64	11.72
CH 134	5670MHz	14.67	14.54	14.40	13.28	13.43	12.56	12.55	11.48

Channel	Frequency	5GHz 802.11n HT40 Peak Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 38	5190MHz	17.90	17.50	17.40	17.88	17.86	17.87	17.88	17.88
CH 46	5230MHz	20.31	20.12	20.19	20.30	20.25	20.28	19.97	19.46
CH 54	5270MHz	20.45	20.22	20.35	20.44	20.33	19.89	19.81	19.26
CH 62	5310MHz	19.93	19.65	19.63	19.90	19.88	19.60	19.88	19.73
CH 102	5510MHz	19.45	18.70	18.50	18.40	19.40	19.43	19.10	19.00
CH 110	5550MHz	20.41	20.18	20.31	20.40	20.38	20.19	20.38	19.96
CH 134	5670MHz	**20.45**	20.01	20.17	20.36	20.44	19.75	19.74	19.73

Channel	Frequency	5GHz 802.11ac VHT20 Average Power (dBm)								
		Data Rate								
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 36	5180 MHz	13.73	13.72	13.68	13.66	13.58	13.32	13.30	12.59	11.83
CH 44	5220 MHz	14.42	14.40	14.40	14.25	14.35	13.50	13.52	12.59	11.83
CH 48	5240 MHz	14.46	14.44	14.43	14.21	14.28	13.42	13.45	12.51	11.61
CH 52	5260 MHz	14.93	14.80	14.92	14.33	14.33	13.48	13.49	12.76	11.96
CH 60	5300 MHz	14.79	14.77	14.77	14.46	14.42	13.52	13.55	12.69	12.01
CH 64	5320 MHz	14.72	14.63	14.70	14.42	14.41	13.55	13.57	12.66	11.97
CH 100	5500 MHz	**15.09**	15.02	14.99	14.60	14.49	13.68	13.66	12.58	11.56
CH 116	5580 MHz	14.91	14.86	14.87	14.20	14.18	13.30	13.32	12.41	11.56
CH 140	5700 MHz	14.47	14.30	14.42	14.07	14.07	13.14	13.19	12.13	11.38

Channel	Frequency	5GHz 802.11ac VHT20 Peak Power (dBm)								
		Data Rate								
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 36	5180 MHz	19.85	19.84	19.84	19.84	19.82	19.83	19.84	19.82	19.83
CH 44	5220 MHz	20.15	20.11	20.12	20.14	20.12	20.14	20.14	20.13	20.10
CH 48	5240 MHz	20.10	20.06	20.07	20.08	20.03	20.05	20.09	20.00	19.98
CH 52	5260 MHz	20.32	20.31	20.22	20.25	20.30	20.28	20.30	19.95	19.93
CH 60	5300 MHz	20.15	20.10	20.11	20.14	20.13	20.14	20.10	20.12	19.99
CH 64	5320 MHz	20.11	20.07	20.08	20.07	20.10	20.10	20.10	20.04	19.98
CH 100	5500 MHz	**20.43**	20.42	20.41	20.40	20.39	20.37	20.36	20.35	20.33
CH 116	5580 MHz	20.16	20.03	20.06	20.11	20.08	20.07	20.05	19.92	19.77
CH 140	5700 MHz	20.13	20.10	20.08	20.10	20.09	20.11	20.09	20.10	19.87

Channel	Frequency	5GHz 802.11ac VHT40 Average Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 38	5190MHz	10.96	10.71	10.70	10.69	10.65	10.55	10.41	10.36	10.36	9.40
CH 46	5230MHz	14.53	14.44	14.49	13.45	13.50	12.77	12.80	11.93	11.14	10.18
CH 54	5270MHz	**14.98**	14.94	14.94	13.60	13.63	13.10	13.05	12.18	11.43	10.51
CH 62	5310MHz	13.19	13.13	13.12	13.06	13.07	12.90	12.95	12.06	11.22	10.27
CH 102	5510MHz	12.31	12.11	12.10	12.08	12.16	12.21	12.17	11.63	11.55	10.67
CH 110	5550MHz	14.95	14.94	14.83	13.84	13.78	13.16	13.05	12.15	11.39	10.40
CH 134	5670MHz	14.59	14.50	14.54	13.61	13.61	12.90	12.81	11.94	11.18	10.24

Channel	Frequency	5GHz 802.11ac VHT40 Peak Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 38	5190MHz	17.94	17.65	17.51	17.92	17.93	17.92	17.92	17.93	17.92	17.91
CH 46	5230MHz	20.22	20.01	20.08	20.17	20.19	20.19	19.96	19.67	19.38	19.49
CH 54	5270MHz	20.48	20.20	20.14	20.44	20.45	19.84	20.01	19.59	19.23	19.28
CH 62	5310MHz	19.69	19.51	19.67	19.68	19.68	19.64	19.65	19.63	19.32	19.64
CH 102	5510MHz	19.48	19.12	19.25	19.45	19.46	19.47	19.45	19.65	19.94	19.55
CH 110	5550MHz	**20.54**	20.02	20.10	20.50	20.51	20.25	19.73	19.50	19.54	19.22
CH 134	5670MHz	20.46	19.96	20.07	20.40	20.41	19.96	19.88	19.61	19.55	19.58

Channel	Frequency	5GHz 802.11ac VHT80 Average Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 42	5210MHz	10.86	10.85	10.80	10.84	10.77	10.77	10.83	10.61	10.65	10.71
CH 58	5290MHz	12.62	12.54	12.60	12.61	12.57	11.73	11.86	11.57	10.74	10.31
CH 106	5530MHz	10.92	10.87	10.90	10.91	10.87	10.89	10.89	10.61	10.81	10.86
CH 122	5610MHz	**13.71**	13.69	13.67	13.04	12.88	11.93	12.12	11.02	10.47	10.59

Channel	Frequency	5GHz 802.11ac VHT80 Peak Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 42	5210MHz	17.95	17.73	17.58	17.94	17.94	17.93	17.91	17.94	17.93	17.92
CH 58	5290MHz	19.26	19.11	18.96	19.25	19.23	19.22	19.24	19.22	19.21	19.24
CH 106	5530MHz	18.27	17.91	17.65	18.21	18.25	18.23	18.20	18.25	18.24	18.26
CH 122	5610MHz	**20.02**	19.80	19.95	19.76	19.84	19.75	19.85	19.63	19.20	19.22

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Channel	Frequency	5GHz 802.11a Average Power (dBm)							
		Data Rate							
		6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps
CH 36	5180 MHz	17.11	17.10	17.08	17.08	17.04	17.00	16.19	16.12
CH 44	5220 MHz	17.31	17.26	17.24	17.27	17.23	17.02	16.13	16.06
CH 48	5240 MHz	17.15	17.07	17.06	17.05	17.03	17.00	15.99	16.01
CH 52	5260 MHz	19.29	19.16	19.15	19.27	19.17	16.96	16.16	16.10
CH 60	5300 MHz	19.25	19.11	19.13	19.08	19.08	16.93	16.14	16.10
CH 64	5320 MHz	17.86	17.69	17.66	17.14	17.13	16.85	15.94	15.43
CH 100	5500 MHz	18.43	18.39	18.35	18.34	18.31	17.19	16.33	16.35
CH 116	5580 MHz	**19.44**	19.26	19.19	19.19	19.18	17.09	16.15	16.10
CH 140	5700 MHz	17.89	17.84	17.78	17.78	17.70	16.95	16.05	16.00

Channel	Frequency	5GHz 802.11a Peak Power (dBm) (800ns)							
		Data Rate							
		6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps
CH 36	5180 MHz	22.75	22.74	22.70	22.65	22.72	22.74	22.73	22.73
CH 44	5220 MHz	22.48	22.47	22.47	22.46	22.47	22.43	22.43	22.47
CH 48	5240 MHz	22.42	22.41	22.41	22.40	22.40	22.41	22.39	22.40
CH 52	5260 MHz	22.64	22.53	22.45	22.53	22.61	22.63	22.63	22.63
CH 60	5300 MHz	22.61	22.48	22.41	22.41	22.53	22.55	22.55	22.56
CH 64	5320 MHz	22.72	22.71	22.71	22.70	22.67	22.50	22.51	22.50
CH 100	5500 MHz	**22.80**	22.79	22.78	22.78	22.78	22.76	22.75	22.76
CH 116	5580 MHz	22.76	22.61	22.65	22.62	22.64	22.63	22.62	22.62
CH 140	5700 MHz	22.63	22.62	22.61	22.60	22.60	22.60	22.60	22.57

Channel	Frequency	5GHz 802.11n HT20 Average Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 36	5180 MHz	17.14	17.08	17.04	16.75	16.61	16.36	16.20	15.24
CH 44	5220 MHz	17.71	17.68	17.70	17.29	17.11	16.52	16.31	15.40
CH 48	5240 MHz	17.64	17.56	17.61	17.16	17.01	16.41	16.23	15.46
CH 52	5260 MHz	17.75	17.64	17.68	17.17	17.12	16.31	16.15	15.30
CH 60	5300 MHz	17.71	17.65	17.69	17.34	17.21	16.52	16.34	15.58
CH 64	5320 MHz	17.68	17.66	17.63	17.28	17.15	16.44	16.28	15.48
CH 100	5500 MHz	**18.31**	18.15	18.17	17.72	17.54	16.64	16.63	14.94
CH 116	5580 MHz	17.93	17.82	17.81	17.43	17.34	16.53	16.48	15.53
CH 140	5700 MHz	17.89	17.63	17.63	17.15	17.01	16.85	16.10	15.28

Channel	Frequency	5GHz 802.11n HT20 Peak Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 36	5180 MHz	22.64	22.62	22.62	22.63	22.60	22.59	22.58	22.59
CH 44	5220 MHz	22.98	22.64	22.72	22.90	22.95	22.90	22.94	22.91
CH 48	5240 MHz	22.76	22.60	22.63	22.73	22.75	22.74	22.74	22.68
CH 52	5260 MHz	22.71	22.70	22.69	22.68	22.70	22.69	22.68	22.68
CH 60	5300 MHz	22.69	22.63	22.67	22.68	22.67	22.67	22.67	22.66
CH 64	5320 MHz	22.69	22.67	22.66	22.66	22.67	22.68	22.68	22.68
CH 100	5500 MHz	**23.15**	23.11	23.09	23.12	23.12	23.13	23.14	22.93
CH 116	5580 MHz	22.89	22.68	22.71	22.85	22.83	22.87	22.84	22.68
CH 140	5700 MHz	22.85	22.50	22.57	22.77	22.80	22.80	22.79	22.74

Channel	Frequency	5GHz 802.11n HT40 Average Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 38	5190MHz	14.18	14.17	14.15	14.14	14.12	14.12	13.83	13.69
CH 46	5230MHz	17.49	17.46	17.45	16.36	16.54	15.80	15.78	14.81
CH 54	5270MHz	17.64	17.54	17.47	16.37	16.42	15.53	15.46	14.44
CH 62	5310MHz	16.54	16.50	16.54	16.50	16.32	15.87	15.81	14.89
CH 102	5510MHz	15.37	15.33	15.23	15.03	14.99	14.98	14.86	14.80
CH 110	5550MHz	**17.87**	17.69	17.58	16.65	16.69	15.88	15.83	14.86
CH 134	5670MHz	17.78	17.75	17.60	16.40	16.49	15.64	15.59	14.66

Channel	Frequency	5GHz 802.11n HT40 Peak Power (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 38	5190MHz	20.36	20.21	20.26	20.19	20.06	20.34	20.34	20.34
CH 46	5230MHz	22.74	22.70	22.63	22.73	22.71	22.71	22.47	22.37
CH 54	5270MHz	22.76	22.71	22.67	22.74	22.73	22.53	22.69	22.18
CH 62	5310MHz	22.42	22.31	22.31	22.15	22.14	22.41	22.39	22.40
CH 102	5510MHz	22.17	22.14	21.81	21.27	21.00	22.15	22.14	22.14
CH 110	5550MHz	**23.06**	22.69	22.73	23.00	22.98	22.78	22.57	22.45
CH 134	5670MHz	22.88	22.58	22.67	22.85	22.84	22.66	22.32	22.21

Channel	Frequency	5GHz 802.11ac VHT20 Average Power (dBm)								
		Data Rate								
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 36	5180 MHz	16.64	16.59	16.54	16.54	16.53	16.29	16.23	15.41	14.54
CH 44	5220 MHz	17.60	17.45	17.49	17.09	17.09	16.37	16.20	15.42	14.53
CH 48	5240 MHz	17.54	17.39	17.52	17.02	17.08	16.25	16.20	15.36	14.41
CH 52	5260 MHz	17.58	17.46	17.54	17.02	17.13	16.31	16.24	15.40	14.55
CH 60	5300 MHz	17.54	17.51	17.52	17.17	17.16	16.36	16.29	15.48	14.52
CH 64	5320 MHz	17.55	17.41	17.51	17.05	17.09	16.29	16.17	15.39	14.47
CH 100	5500 MHz	**18.06**	17.67	17.84	17.61	17.56	16.80	16.71	15.81	14.94
CH 116	5580 MHz	18.01	17.55	17.81	17.32	17.38	16.54	16.45	15.33	14.57
CH 140	5700 MHz	17.80	17.55	17.75	17.22	17.29	16.46	16.35	15.38	14.40

Channel	Frequency	5GHz 802.11ac VHT20 Peak Power (dBm)								
		Data Rate								
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 36	5180 MHz	22.47	22.46	22.46	22.46	22.45	22.41	22.40	22.25	22.12
CH 44	5220 MHz	22.74	22.72	22.71	22.73	22.71	22.73	22.70	22.68	22.21
CH 48	5240 MHz	22.63	22.61	22.59	22.61	22.61	22.61	22.62	22.60	22.28
CH 52	5260 MHz	22.89	22.86	22.81	22.87	22.83	22.85	22.88	22.47	22.30
CH 60	5300 MHz	22.73	22.72	22.70	22.71	22.71	22.70	22.69	22.70	22.43
CH 64	5320 MHz	22.72	22.69	22.66	22.69	22.70	22.69	22.71	22.62	22.37
CH 100	5500 MHz	**23.03**	22.84	22.77	22.89	22.94	22.99	23.01	22.90	22.75
CH 116	5580 MHz	22.96	22.50	22.48	22.78	22.81	22.82	22.94	22.42	22.45
CH 140	5700 MHz	22.83	22.49	22.55	22.71	22.80	22.80	22.77	22.72	22.37

Channel	Frequency	5GHz 802.11ac VHT40 Average Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 38	5190MHz	13.88	13.66	13.55	13.54	13.67	13.62	13.62	13.63	13.24	13.25
CH 46	5230MHz	17.46	17.44	17.44	16.52	16.48	15.54	15.57	14.69	13.86	13.04
CH 54	5270MHz	17.51	17.45	17.41	16.49	16.58	15.70	15.70	14.84	14.09	13.29
CH 62	5310MHz	15.96	15.83	15.85	15.76	15.90	15.62	15.62	14.74	13.93	13.08
CH 102	5510MHz	15.24	15.10	15.02	15.08	15.15	15.16	14.90	15.17	14.38	13.55
CH 110	5550MHz	**17.78**	17.60	17.77	16.76	16.82	15.85	15.92	14.85	14.15	13.17
CH 134	5670MHz	17.71	17.67	17.70	16.57	16.63	15.66	15.69	14.77	13.93	13.05

Channel	Frequency	5GHz 802.11ac VHT40 Peak Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 38	5190MHz	20.55	20.13	20.25	20.53	20.53	20.53	20.53	20.52	20.52	22.04
CH 46	5230MHz	22.78	22.68	22.69	22.71	22.75	22.77	22.70	22.07	21.95	21.84
CH 54	5270MHz	22.70	22.66	22.60	22.68	22.68	22.69	22.61	22.07	21.96	21.93
CH 62	5310MHz	22.37	22.22	22.22	22.33	22.35	22.63	22.61	21.92	21.80	22.01
CH 102	5510MHz	22.11	21.96	21.81	22.10	22.10	22.09	22.07	22.46	22.14	22.37
CH 110	5550MHz	**22.91**	22.60	22.59	22.86	22.83	22.88	22.81	22.29	22.17	22.19
CH 134	5670MHz	22.75	22.53	22.48	22.71	22.68	22.69	22.63	21.92	21.85	21.90

Channel	Frequency	5GHz 802.11ac VHT80 Average Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 42	5210MHz	13.67	13.43	13.46	13.56	13.63	13.64	13.66	13.61	13.53	13.51
CH 58	5290MHz	15.31	15.21	15.17	15.30	15.27	14.93	15.09	14.25	13.55	13.57
CH 106	5530MHz	13.90	13.63	13.57	13.74	13.78	13.82	13.89	13.44	13.77	13.66
CH 122	5610MHz	**16.49**	16.48	16.42	15.79	15.81	14.98	15.02	14.11	13.42	13.41

Channel	Frequency	5GHz 802.11ac VHT80 Peak Power (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 42	5210MHz	20.45	20.20	20.15	20.42	20.44	20.43	20.43	20.42	20.42	20.42
CH 58	5290MHz	21.95	21.72	21.64	21.93	21.93	22.30	21.93	21.91	21.64	21.77
CH 106	5530MHz	20.68	20.17	20.16	20.64	20.65	20.66	20.65	20.67	20.66	20.64
CH 122	5610MHz	**22.65**	22.27	22.27	22.49	22.64	22.60	22.42	22.21	21.76	21.56

Note: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

2.3 Test Mode

Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates from the power table described in section 2.2.

Single Antenna

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

MIMO Antenna

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS8
802.11n HT40	MCS8
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + MP3 + Earphone + USB Cable (Charging from Adapter 1) Mode 2 : GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + MP3 + Earphone + USB Cable (Charging from Adapter 2) Mode 3 : GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + MP3 + Earphone + USB Cable (Charging from Adapter 3)
Remark: The worst case of conducted emission is mode 3; only the test data of it was reported.	

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle				144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle				144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle				142

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle				144

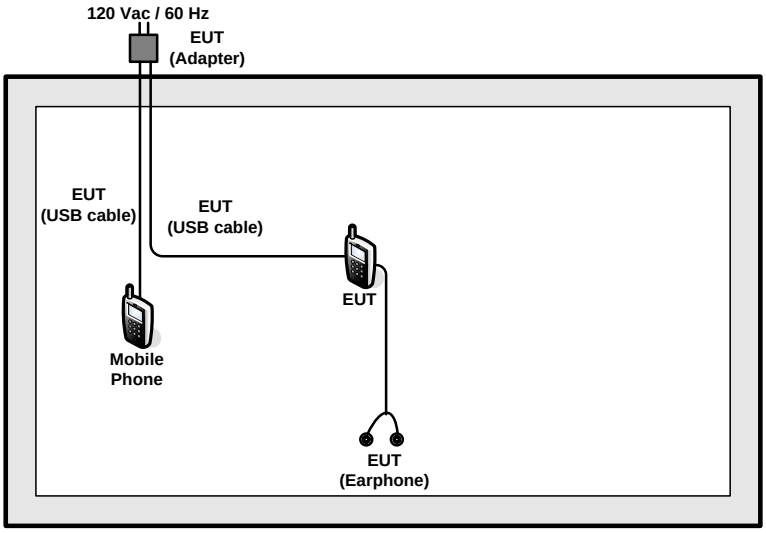
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle				142

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	-
M	Middle	42	58	106
H	High	-	-	-
Straddle				138

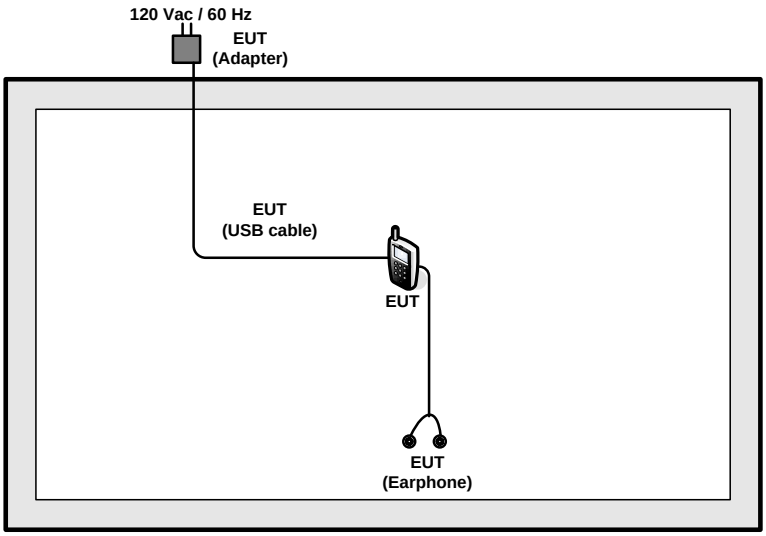
2.4 Connection Diagram of Test System

<WLAN Tx Mode>

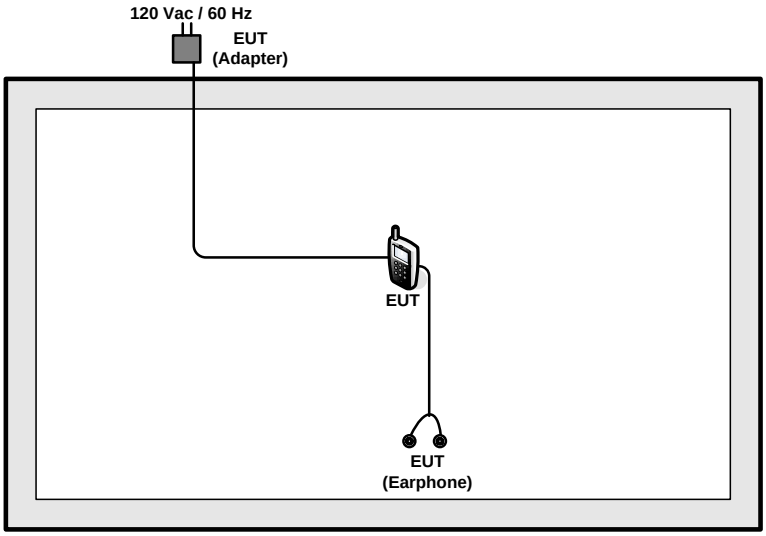
<for Adapter 1>



<for Adapter 2>

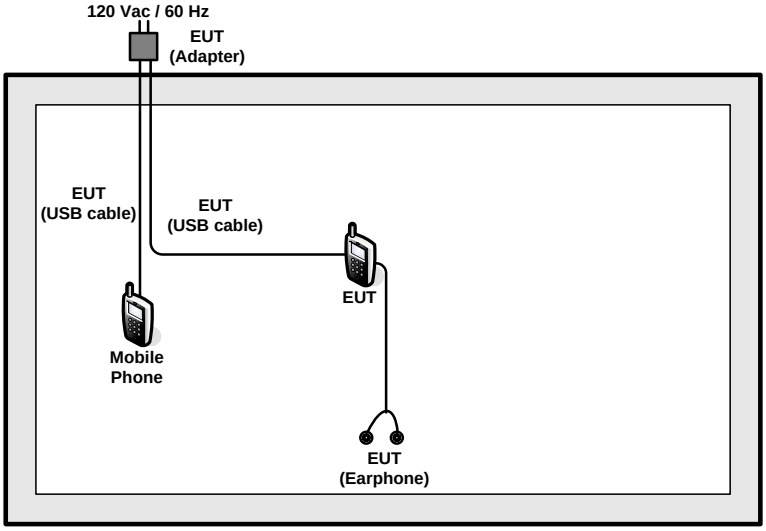


<for Adapter 3>



<AC Conducted Emission Mode>

<for Adapter 1>



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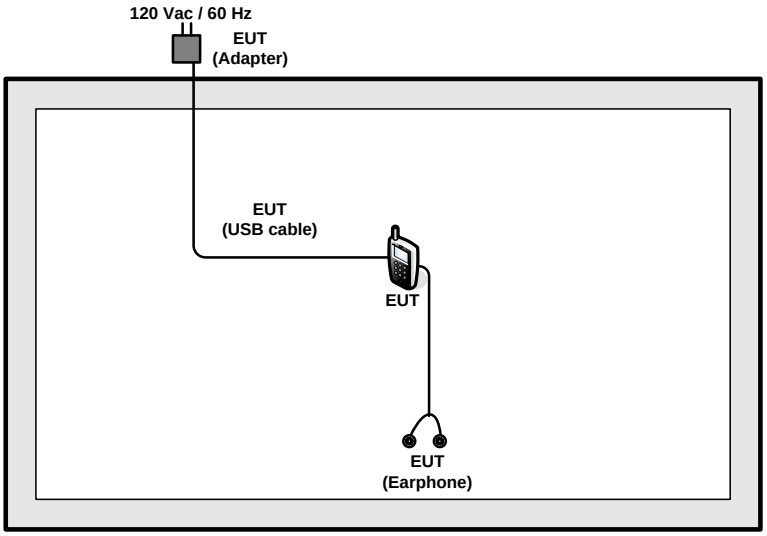
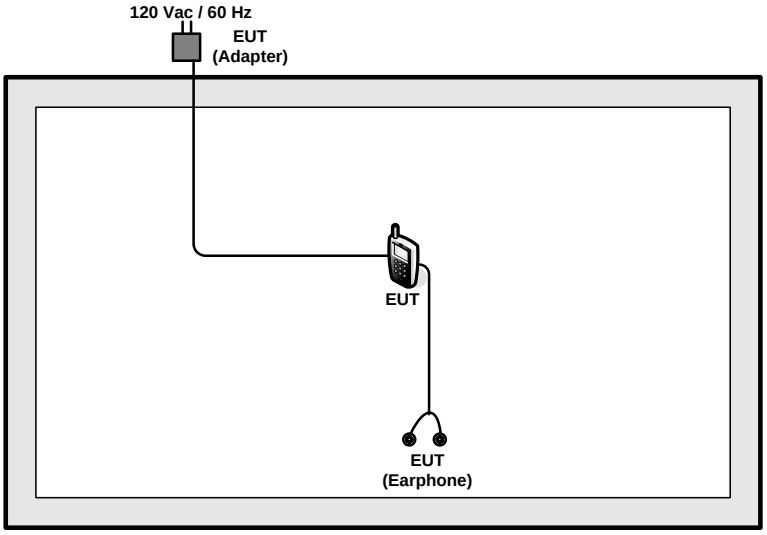


<for Adapter 3>



2.5 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	D-Link	DIR-865L	KA2IR865LA1	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
4.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Mobile Phone	Motorola Mobility, LLC	5137	IHDT56UC2	N/A	N/A
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.6 EUT Operation Test Setup

For WLAN function, programmed RF utility, “QRCT” installed in the EUT provide functions like channel selection and power level for continuous transmitting and receiving signals.

2.7 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, U-NII procedures were applied for operations in the frequency band in accordance with FCC KDB 644545 D03.

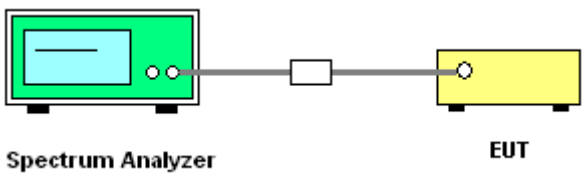
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1MHz and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

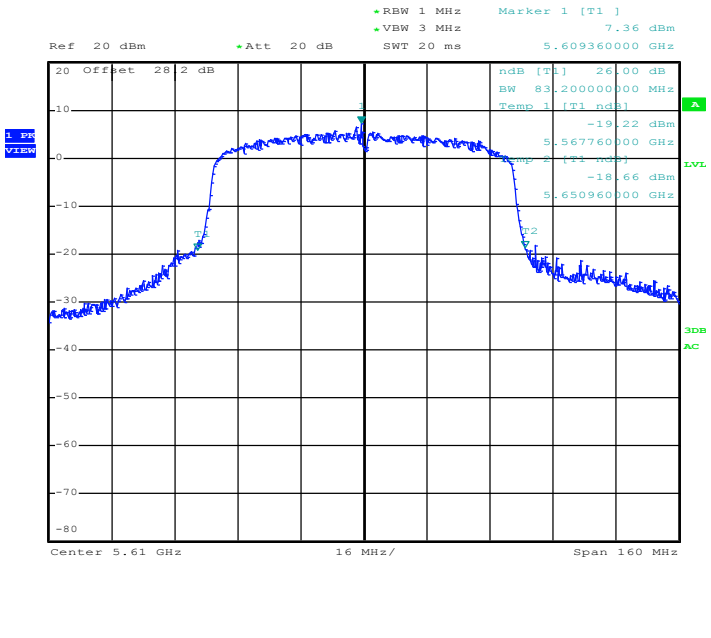
3.1.4 Test Setup



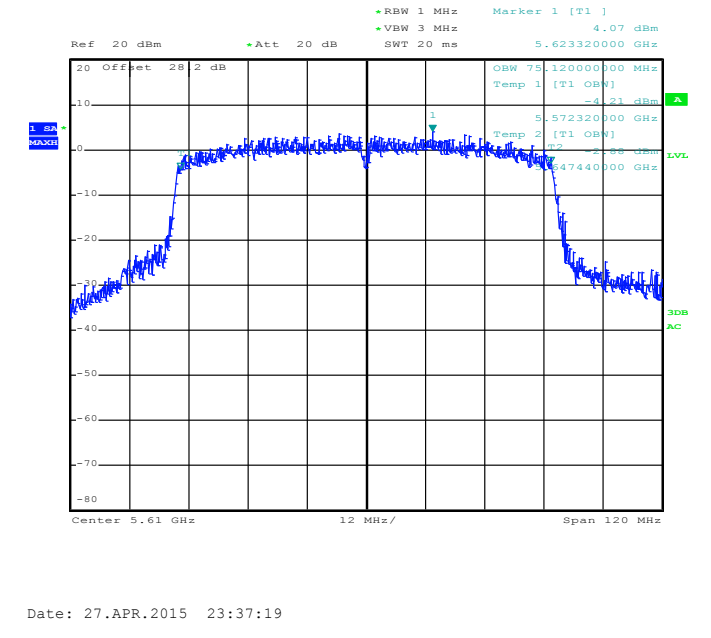
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW.

For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, U-NII procedures and limits were applied for operations in the frequency band in accordance with FCC KDB 644545 D03.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

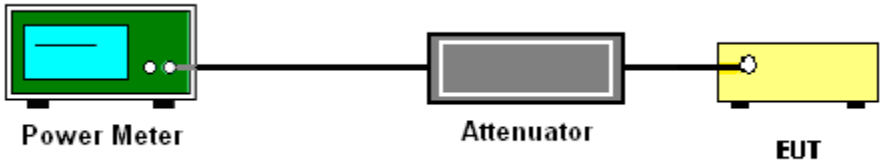
Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.

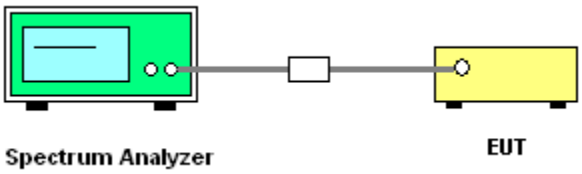
For straddle channel, the testing follows Method SA-3 (RMS detection with max hold) of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

3.2.4 Test Setup

For normal channel:



For straddle channel:



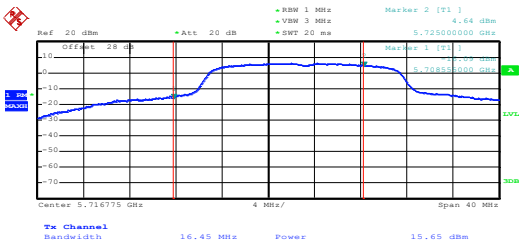
3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

Maximum Straddle Channel Power

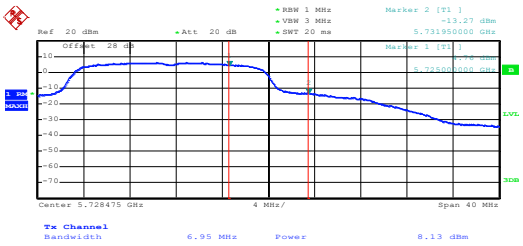
Ant. 1

NII-2C Band



Date: 24.APR.2015 22:16:28

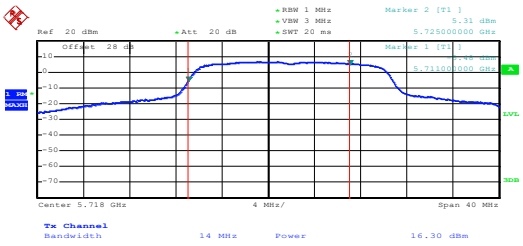
DTS Band



Date: 24.APR.2015 22:18:01

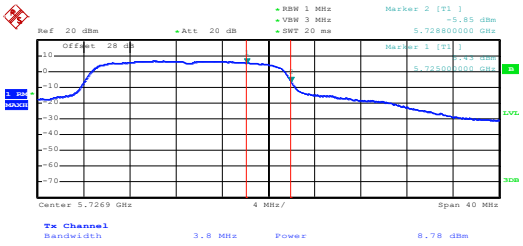
Ant. 2

NII-2C Band



Date: 24.APR.2015 22:22:26

DTS Band



Date: 24.APR.2015 22:23:07

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For Straddle Channel, U-NII procedures and limits were applied for operations in the frequency band in accordance with FCC KDB 644545 D03.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01. Section F) Maximum power spectral density.

 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

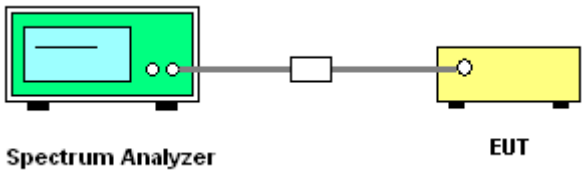
1. The testing follows Method SA-2 of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.
   - Measure the duty cycle.
   - Set span to encompass the entire emission bandwidth (EBW) of the signal.
   - Set RBW = 1 MHz.
   - Set VBW ≥ 3 MHz.
   - Number of points in sweep ≥ 2 Span / RBW.
   - Sweep time = auto.
   - Detector = RMS
   - Trace average at least 100 traces in power averaging mode.
   - Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
4. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (1): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

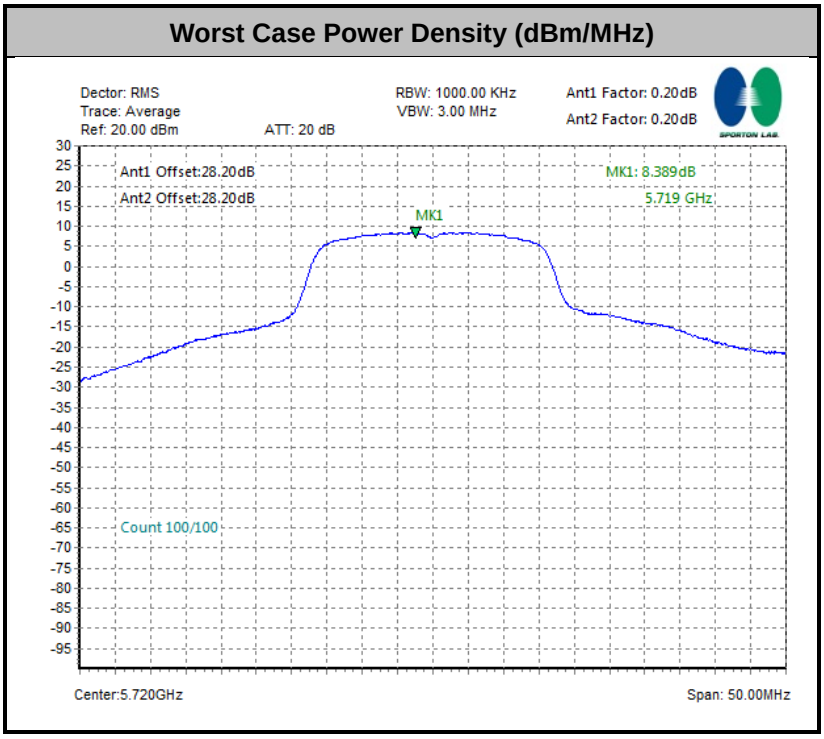
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part15.205.

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5725MHz band: all emissions outside of the 5470-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

EIRP (dBm)	Field Strength at 3m (dBμV/m)
-17	78.3
- 27	68.3

(3) KDB789033 v01 G)2)c) As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as

specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.

3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

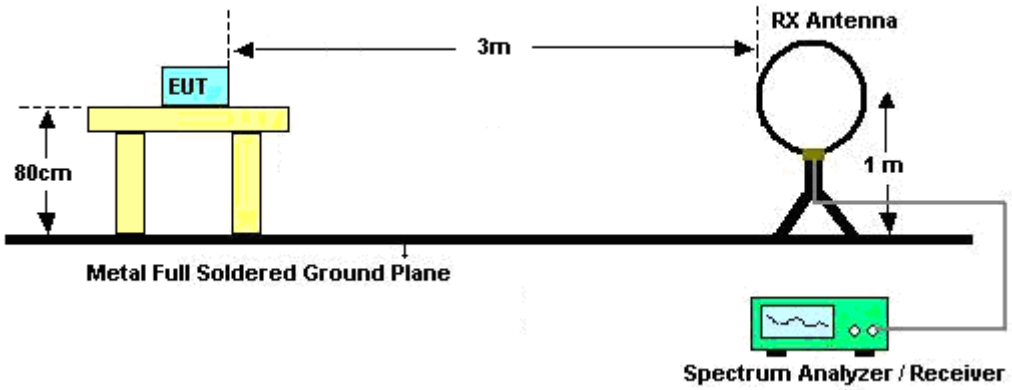
Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1	802.11a	95.39	2070	0.483091787	1kHz
1	5GHz 802.11n HT20	95.54	1930	0.518134715	1kHz
1	5GHz 802.11n HT40	90.48	950	1.052631579	3kHz
2	802.11a	95.37	2060	0.485436893	1kHz
2	5GHz 802.11n HT20	94.61	1930	0.518134715	1kHz
2	5GHz 802.11n HT40	90.48	950	1.052631579	3kHz
1+2	5GHz 802.11a for Ant 1	95.39	2070	0.483091787	1kHz
1+2	5GHz 802.11a for Ant 2	95.39	2070	0.483091787	1kHz
1+2	5GHz 802.11n HT20 for Ant 1	90.83	990	1.01010101	3kHz
1+2	5GHz 802.11n HT20 for Ant 2	90.83	990	1.01010101	3kHz
1+2	5GHz 802.11n HT40 for Ant 1	83.22	496	2.016129032	3kHz
1+2	5GHz 802.11n HT40 for Ant 2	83.89	500	2	3kHz
1	5GHz 802.11ac VHT20	94.61	1930	0.518134715	1kHz
1	5GHz 802.11ac VHT40	90.57	960	1.041666667	3kHz
1	5GHz 802.11ac VHT80	82.27	464	2.155172414	3kHz
2	5GHz 802.11ac VHT20	95.07	1930	0.518134715	1kHz
2	5GHz 802.11ac VHT40	90.48	950	1.052631579	3kHz
2	5GHz 802.11ac VHT80	82.98	468	2.136752137	3kHz
1+2	5GHz 802.11ac VHT20 for Ant 1	94.61	1930	0.518134715	1kHz
1+2	5GHz 802.11ac VHT20 for Ant 2	95.57	1940	0.515463918	1kHz
1+2	5GHz 802.11ac VHT40 for Ant 1	90.48	950	1.052631579	3kHz
1+2	5GHz 802.11ac VHT40 for Ant 2	90.48	950	1.052631579	3kHz
1+2	5GHz 802.11ac VHT80 for Ant 1	82.98	468	2.136752137	3kHz
1+2	5GHz 802.11ac VHT80 for Ant 2	82.27	464	2.155172414	3kHz

2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

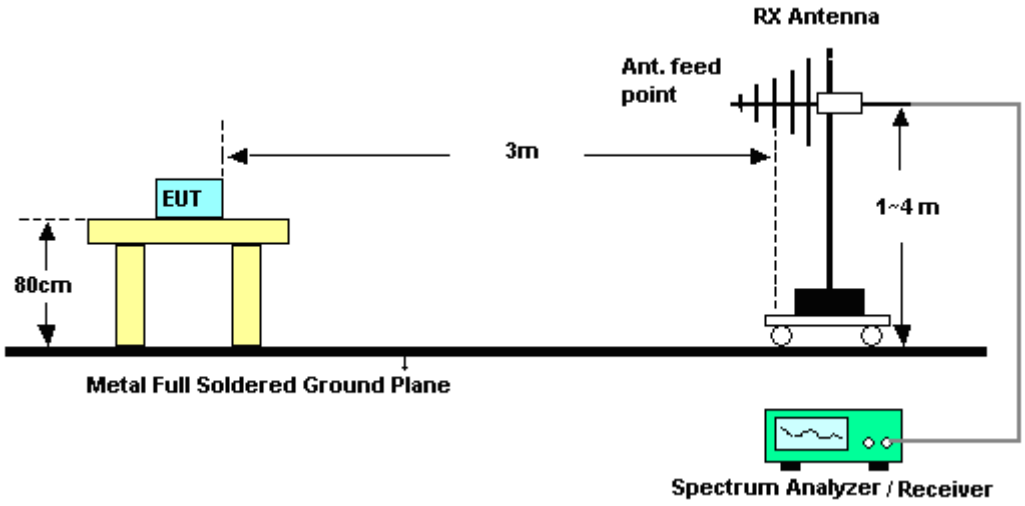
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

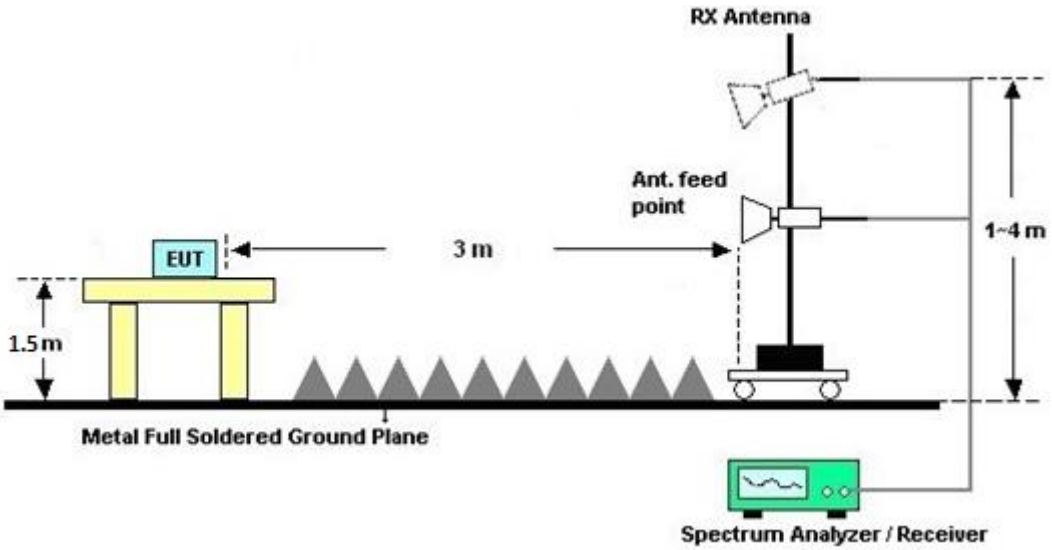
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.4.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix A.

3.4.7 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix A.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

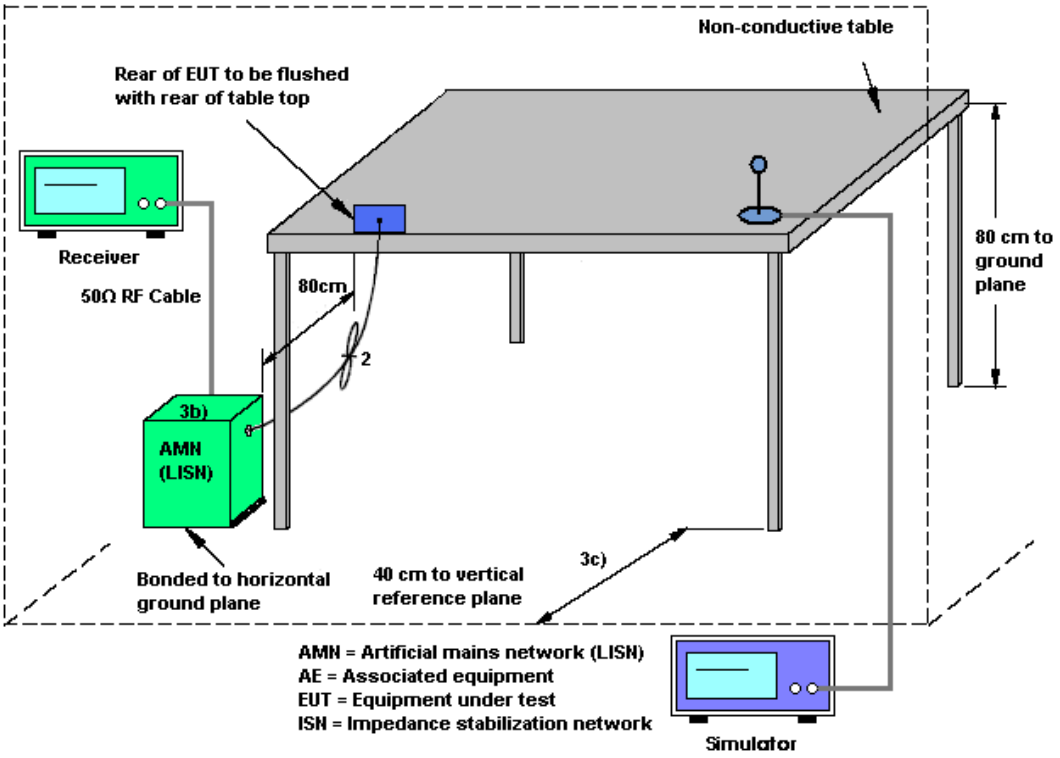
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

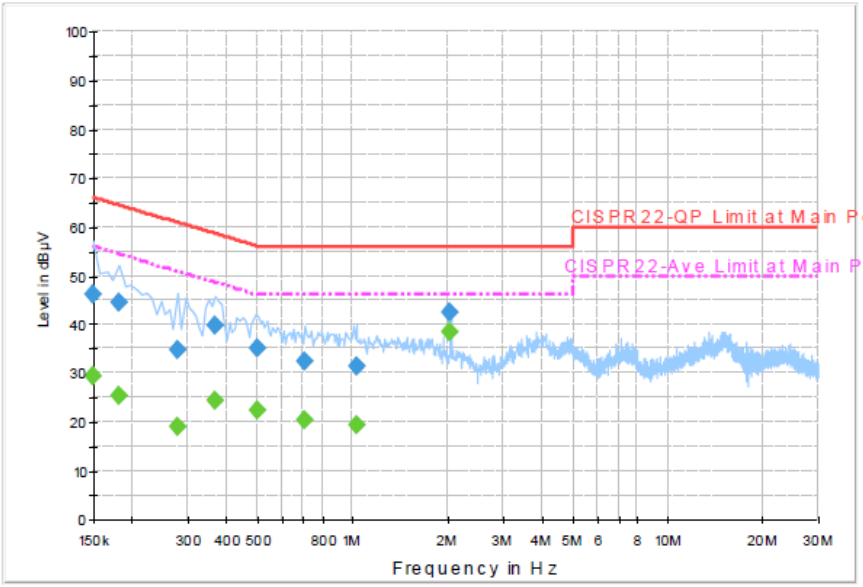
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Test Mode :	Mode 3	**Temperature :**	22~24℃
Test Engineer :	Eric Jeng	**Relative Humidity :**	49~51%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + MP3 + Earphone + USB Cable (Charging from Adapter 3)		



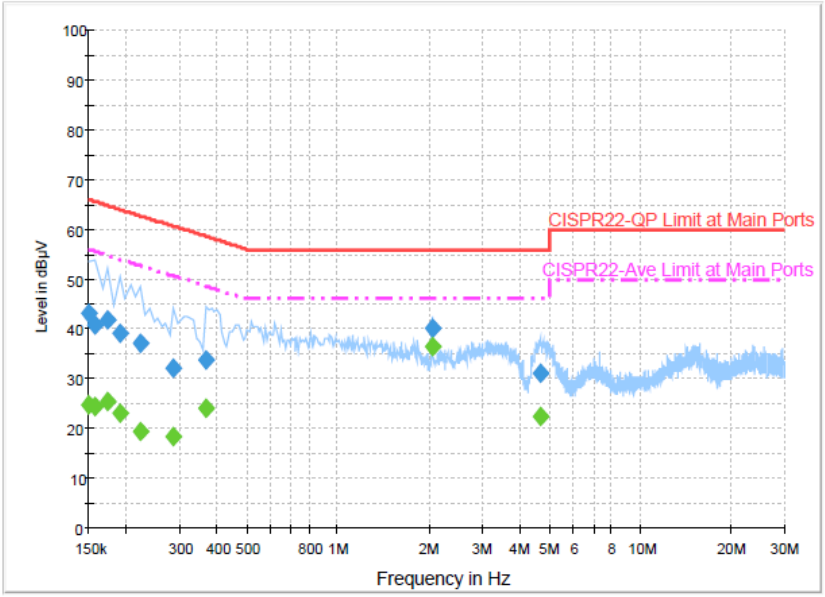
Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	46.1	Off	L1	19.5	19.9	66.0
0.182000	44.6	Off	L1	19.5	19.8	64.4
0.278000	34.9	Off	L1	19.4	26.0	60.9
0.366000	39.8	Off	L1	19.5	18.8	58.6
0.502000	35.3	Off	L1	19.5	20.7	56.0
0.702000	32.4	Off	L1	19.6	23.6	56.0
1.030000	31.5	Off	L1	19.5	24.5	56.0
2.046000	42.5	Off	L1	19.7	13.5	56.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	29.4	Off	L1	19.5	26.6	56.0
0.182000	25.4	Off	L1	19.5	29.0	54.4
0.278000	19.1	Off	L1	19.4	31.8	50.9
0.366000	24.3	Off	L1	19.5	24.3	48.6
0.502000	22.4	Off	L1	19.5	23.6	46.0
0.702000	20.4	Off	L1	19.6	25.6	46.0
1.030000	19.4	Off	L1	19.5	26.6	46.0
2.046000	38.5	Off	L1	19.7	7.5	46.0

Test Mode :	Mode 3	Temperature :	22~24℃
Test Engineer :	Eric Jeng	Relative Humidity :	49~51%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + MP3 + Earphone + USB Cable (Charging from Adapter 3)		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	43.1	Off	N	19.5	22.9	66.0
0.158000	40.7	Off	N	19.4	24.9	65.6
0.174000	41.9	Off	N	19.4	22.9	64.8
0.190000	39.3	Off	N	19.5	24.7	64.0
0.222000	37.0	Off	N	19.4	25.7	62.7
0.286000	32.1	Off	N	19.4	28.5	60.6
0.366000	33.7	Off	N	19.5	24.9	58.6
2.054000	40.1	Off	N	19.7	15.9	56.0
4.702000	31.1	Off	N	19.7	24.9	56.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	24.8	Off	N	19.5	31.2	56.0
0.158000	24.5	Off	N	19.4	31.1	55.6
0.174000	25.4	Off	N	19.4	29.4	54.8
0.190000	23.0	Off	N	19.5	31.0	54.0
0.222000	19.5	Off	N	19.4	33.2	52.7
0.286000	18.4	Off	N	19.4	32.2	50.6
0.366000	24.1	Off	N	19.5	24.5	48.6
2.054000	36.4	Off	N	19.7	9.6	46.0
4.702000	22.4	Off	N	19.7	23.6	46.0

3.6 Frequency Stability Measurement

3.6.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

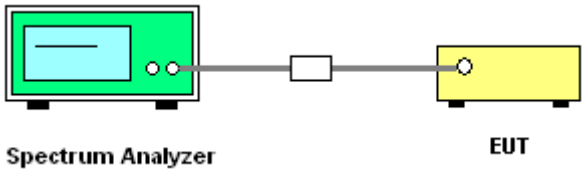
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Please refer to Appendix A.

3.7 Automatically Discontinue Transmission

3.7.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.7.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3.8 Antenna Requirements

3.8.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = 10 log(N_{ANT}/N_{SS}=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

The EUT supports CDD mode.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain “DG” is calculated as following table.

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	0.50	0.50	0.50	3.51	0.00	0.00
Band II	0.50	0.50	0.50	3.51	0.00	0.00
Band III	0.00	0.00	0.00	3.01	0.00	0.00

Power limit reduction = Composite gain – 6dBi, (min = 0)

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1036004	300MHz~40GHz	Aug. 09, 2014	Apr. 21. 2015 ~ May 07. 2015	Aug. 08, 2015	Conducted (TH02-HY)
Power Sensor	Anritsu	MA2411B	1027253	300MHz~40GHz	Aug. 11, 2014	Apr. 21. 2015 ~ May 07. 2015	Aug. 10, 2015	Conducted (TH02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz~40GHz	Jun. 09, 2014	Apr. 21. 2015 ~ May 07. 2015	Jun. 08, 2015	Conducted (TH02-HY)
Bilog Antenna	Schaffner	CBL6111C	2726	30MHz ~ 1GHz	Sep. 27, 2014	Apr. 29, 2015 ~ May 15, 2015	Sep. 26, 2015	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Aug. 19, 2014	Apr. 29, 2015 ~ May 15, 2015	Aug. 18, 2015	Radiation (03CH07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2014	Apr. 29, 2015 ~ May 15, 2015	Aug. 29, 2015	Radiation (03CH07-HY)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 03, 2014	Apr. 29, 2015 ~ May 15, 2015	Nov. 02, 2015	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jul. 28, 2014	Apr. 29, 2015 ~ May 15, 2015	Jul. 27, 2015	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590075	1GHz ~ 18GHz	Apr. 20, 2015	Apr. 29, 2015 ~ May 15, 2015	Apr. 19, 2016	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz-1000MHz	Mar. 12, 2015	Apr. 29, 2015 ~ May 15, 2015	Mar. 11, 2016	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Oct. 21, 2014	Apr. 29, 2015 ~ May 15, 2015	Oct. 20, 2015	Radiation (03CH07-HY)
Signal Analyzer	Rohde & Schwarz	FSV 30	101749	10Hz~30GHz	Mar. 10, 2015	Apr. 29, 2015 ~ May 15, 2015	Mar. 09, 2016	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Apr. 29, 2015 ~ May 15, 2015	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 degree	N/A	Apr. 29, 2015 ~ May 15, 2015	N/A	Radiation (03CH07-HY)
Preamplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz ~ 40GHz	Jun. 09, 2014	Apr. 29, 2015 ~ May 15, 2015	Jun. 08, 2015	Radiation (03CH07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100356	9kHz – 2.75GHz	Dec. 01, 2014	Apr. 21, 2015 ~ May 17, 2015	Nov. 30, 2015	Conduction (CO05-HY)
LISN (for auxiliary equipment)	Rohde & Schwarz	ENV216	100081	9kHz ~ 30MHz	Dec. 08, 2014	Apr. 21, 2015 ~ May 17, 2015	Dec. 07, 2015	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2014	Apr. 21, 2015 ~ May 17, 2015	Dec. 01, 2015	Conduction (CO05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 21, 2015 ~ May 17, 2015	N/A	Conduction (CO05-HY)

5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.26**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.50**

Appendix A. Conducted Test Results

Test Engineer:	Derek Hsu	Temperature:	24~26	°C
Test Date:	2015/04/21 ~ 2015/05/07	Relative Humidity:	45~49	%

Report Number : FR541573E

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.95	17.05	21.25	21.50	-		22.29			
11a	6Mbps	2	44	5220	16.95	17.10	21.25	21.45	-		22.29			
11a	6Mbps	2	48	5240	16.95	17.10	21.25	22.00	-		22.29			
HT20	MCS8	2	36	5180	17.95	18.20	22.75	26.00	-		22.54			
HT20	MCS8	2	44	5220	18.05	18.05	22.50	22.85	-		22.56			
HT20	MCS8	2	48	5240	18.00	18.05	22.55	22.90	-		22.55			
HT40	MCS8	2	38	5190	36.20	36.10	41.76	41.85	-		23.01			
HT40	MCS8	2	46	5230	36.10	36.30	41.49	43.29	-		23.01			
VHT20	MCS0	2	36	5180	17.90	17.95	22.05	22.05	-		22.53			
VHT20	MCS0	2	44	5220	17.95	18.10	23.30	22.90	-		22.54			
VHT20	MCS0	2	48	5240	18.00	18.15	22.70	26.25	-		22.55			
VHT40	MCS0	2	38	5190	36.10	36.10	42.12	41.94	-		23.01			
VHT40	MCS0	2	46	5230	36.30	36.30	42.21	43.29	-		23.01			
VHT80	MCS6	2	42	5210	75.00	74.76	81.12	80.80	-		23.01			

Report Number : FR541573E

TEST RESULTS DATA
Average Power Table

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.20	0.20	14.02	14.17	17.11	24.00		0.50			Pass
11a	6Mbps	2	44	5220	0.20	0.20	13.94	14.62	17.31	24.00		0.50			Pass
11a	6Mbps	2	48	5240	0.20	0.20	13.85	14.40	17.15	24.00		0.50			Pass
HT20	MCS8	2	36	5180	0.42	0.42	14.02	14.25	17.14	24.00		0.50			Pass
HT20	MCS8	2	44	5220	0.42	0.42	14.48	14.92	17.71	24.00		0.50			Pass
HT20	MCS8	2	48	5240	0.42	0.42	14.32	14.92	17.64	24.00		0.50			Pass
HT40	MCS8	2	38	5190	0.80	0.76	11.07	11.27	14.18	24.00		0.50			Pass
HT40	MCS8	2	46	5230	0.80	0.76	14.06	14.86	17.49	24.00		0.50			Pass
VHT20	MCS0	2	36	5180	0.24	0.20	13.48	13.78	16.64	24.00		0.50			Pass
VHT20	MCS0	2	44	5220	0.24	0.20	14.34	14.82	17.60	24.00		0.50			Pass
VHT20	MCS0	2	48	5240	0.24	0.20	14.24	14.80	17.54	24.00		0.50			Pass
VHT40	MCS0	2	38	5190	0.43	0.43	10.78	10.94	13.88	24.00		0.50			Pass
VHT40	MCS0	2	46	5230	0.43	0.43	14.12	14.75	17.46	24.00		0.50			Pass
VHT80	MCS6	2	42	5210	0.81	0.85	10.42	10.89	13.67	24.00		0.50			Pass

Report Number : FR541573E

TEST RESULTS DATA
Power Spectral Density

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.20	0.20			6.04	11.00		3.51			Pass
11a	6Mbps	2	44	5220	0.20	0.20			6.00	11.00		3.51			Pass
11a	6Mbps	2	48	5240	0.20	0.20			5.92	11.00		3.51			Pass
HT20	MCS8	2	36	5180	0.42	0.42			6.16	11.00		3.51			Pass
HT20	MCS8	2	44	5220	0.42	0.42			6.25	11.00		3.51			Pass
HT20	MCS8	2	48	5240	0.42	0.42			6.18	11.00		3.51			Pass
HT40	MCS8	2	38	5190	0.80	0.76			-0.54	11.00		3.51			Pass
HT40	MCS8	2	46	5230	0.80	0.76			2.31	11.00		3.51			Pass
VHT20	MCS0	2	36	5180	0.24	0.20			6.02	11.00		3.51			Pass
VHT20	MCS0	2	44	5220	0.24	0.20			6.27	11.00		3.51			Pass
VHT20	MCS0	2	48	5240	0.24	0.20			6.06	11.00		3.51			Pass
VHT40	MCS0	2	38	5190	0.43	0.43			-0.30	11.00		3.51			Pass
VHT40	MCS0	2	46	5230	0.43	0.43			2.61	11.00		3.51			Pass
VHT80	MCS6	2	42	5210	0.81	0.85			-3.58	11.00		3.51			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	21.80	26.05	37.65	39.60	23.98		30.00		23.98		
11a	6Mbps	2	60	5300	22.00	23.40	39.35	39.05	23.98		30.00		23.98		
11a	6Mbps	2	64	5320	17.05	17.10	23.20	22.35	23.32		29.32		23.98		
HT20	MCS8	2	52	5260	18.00	18.10	22.50	22.20	23.55		29.55		23.98		
HT20	MCS8	2	60	5300	18.05	18.10	23.00	23.55	23.56		29.56		23.98		
HT20	MCS8	2	64	5320	18.05	18.05	22.40	22.65	23.56		29.56		23.98		
HT40	MCS8	2	54	5270	36.20	36.30	41.94	44.10	23.98		30.00		23.98		
HT40	MCS8	2	62	5310	36.20	36.20	42.21	41.67	23.98		30.00		23.98		
VHT20	MCS0	2	52	5260	18.00	18.15	22.85	24.05	23.55		29.55		23.98		
VHT20	MCS0	2	60	5300	18.00	18.10	22.70	25.00	23.55		29.55		23.98		
VHT20	MCS0	2	64	5320	18.00	18.10	22.75	22.90	23.55		29.55		23.98		
VHT40	MCS0	2	54	5270	36.20	36.50	42.39	44.46	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.20	36.30	41.94	41.58	23.98		30.00		23.98		
VHT80	MCS6	2	58	5290	75.00	74.88	81.28	81.12	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.20	0.20	15.92	16.61	19.29	23.98		0.50			Pass
11a	6Mbps	2	60	5300	0.20	0.20	15.90	16.55	19.25	23.98		0.50			Pass
11a	6Mbps	2	64	5320	0.20	0.20	14.40	15.24	17.86	23.98		0.50			Pass
HT20	MCS8	2	52	5260	0.42	0.42	14.30	15.14	17.75	23.98		0.50			Pass
HT20	MCS8	2	60	5300	0.42	0.42	14.27	15.09	17.71	23.98		0.50			Pass
HT20	MCS8	2	64	5320	0.42	0.42	14.24	15.07	17.68	23.98		0.50			Pass
HT40	MCS8	2	54	5270	0.80	0.76	14.25	14.98	17.64	23.98		0.50			Pass
HT40	MCS8	2	62	5310	0.80	0.76	13.19	13.84	16.54	23.98		0.50			Pass
VHT20	MCS0	2	52	5260	0.24	0.20	14.23	14.89	17.58	23.98		0.50			Pass
VHT20	MCS0	2	60	5300	0.24	0.20	14.17	14.87	17.54	23.98		0.50			Pass
VHT20	MCS0	2	64	5320	0.24	0.20	14.19	14.86	17.55	23.98		0.50			Pass
VHT40	MCS0	2	54	5270	0.43	0.43	14.04	14.91	17.51	23.98		0.50			Pass
VHT40	MCS0	2	62	5310	0.43	0.43	12.61	13.26	15.96	23.98		0.50			Pass
VHT80	MCS6	2	58	5290	0.81	0.85	11.86	12.70	15.31	23.98		0.50			Pass

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TEST RESULTS DATA
Power Spectral Density

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.20	0.20			8.02	11.00		3.51			Pass
11a	6Mbps	2	60	5300	0.20	0.20			8.24	11.00		3.51			Pass
11a	6Mbps	2	64	5320	0.20	0.20			7.40	11.00		3.51			Pass
HT20	MCS8	2	52	5260	0.42	0.42			6.02	11.00		3.51			Pass
HT20	MCS8	2	60	5300	0.42	0.42			6.27	11.00		3.51			Pass
HT20	MCS8	2	64	5320	0.42	0.42			6.25	11.00		3.51			Pass
HT40	MCS8	2	54	5270	0.80	0.76			2.36	11.00		3.51			Pass
HT40	MCS8	2	62	5310	0.80	0.76			2.31	11.00		3.51			Pass
VHT20	MCS0	2	52	5260	0.24	0.20			6.02	11.00		3.51			Pass
VHT20	MCS0	2	60	5300	0.24	0.20			6.29	11.00		3.51			Pass
VHT20	MCS0	2	64	5320	0.24	0.20			6.27	11.00		3.51			Pass
VHT40	MCS0	2	54	5270	0.43	0.43			2.63	11.00		3.51			Pass
VHT40	MCS0	2	62	5310	0.43	0.43			1.87	11.00		3.51			Pass
VHT80	MCS6	2	58	5290	0.81	0.85			-1.89	11.00		3.51			Pass

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TEST RESULTS DATA
26dB and 99% OBW

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500	17.20	17.15	23.45	23.70	23.34		29.34		23.98		
11a	6Mbps	2	116	5580	18.85	18.85	38.80	35.35	23.75		29.75		23.98		
11a	6Mbps	2	140	5700	17.05	17.05	22.45	21.90	23.32		29.32		23.98		
HT20	MCS8	2	100	5500	17.95	18.05	22.20	21.85	23.54		29.54		23.98		
HT20	MCS8	2	116	5580	18.00	18.05	22.20	22.00	23.55		29.55		23.98		
HT20	MCS8	2	140	5700	18.00	18.00	22.40	21.90	23.55		29.55		23.98		
HT40	MCS8	2	102	5510	36.10	36.10	41.76	41.49	23.98		30.00		23.98		
HT40	MCS8	2	110	5550	36.30	36.30	41.85	42.84	23.98		30.00		23.98		
HT40	MCS8	2	134	5670	36.30	36.30	42.12	42.21	23.98		30.00		23.98		
VHT20	MCS0	2	100	5500	18.05	18.05	23.85	22.35	23.56		29.56		23.98		
VHT20	MCS0	2	116	5580	18.00	18.05	23.65	22.45	23.55		29.55		23.98		
VHT20	MCS0	2	140	5700	17.95	17.95	22.90	22.35	23.54		29.54		23.98		
VHT40	MCS0	2	102	5510	36.20	36.30	41.85	42.03	23.98		30.00		23.98		
VHT40	MCS0	2	110	5550	36.30	36.40	45.54	44.01	23.98		30.00		23.98		
VHT40	MCS0	2	134	5670	36.40	36.30	42.12	43.29	23.98		30.00		23.98		
VHT80	MCS6	2	106	5530	75.12	74.76	81.28	81.44	23.98		30.00		23.98		
VHT80	MCS6	2	122	5610	75.12	75.12	82.56	83.20	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.20	0.20	15.22	15.60	18.43	23.98		0.00			Pass
11a	6Mbps	2	116	5580	0.20	0.20	16.12	16.71	19.44	23.98		0.00			Pass
11a	6Mbps	2	140	5700	0.20	0.20	14.52	15.20	17.89	23.98		0.00			Pass
HT20	MCS8	2	100	5500	0.42	0.42	15.00	15.59	18.31	23.98		0.00			Pass
HT20	MCS8	2	116	5580	0.42	0.42	14.58	15.24	17.93	23.98		0.00			Pass
HT20	MCS8	2	140	5700	0.42	0.42	14.57	15.18	17.89	23.98		0.00			Pass
HT40	MCS8	2	102	5510	0.80	0.76	12.18	12.54	15.37	23.98		0.00			Pass
HT40	MCS8	2	110	5550	0.80	0.76	14.57	15.13	17.87	23.98		0.00			Pass
HT40	MCS8	2	134	5670	0.80	0.76	14.33	15.17	17.78	23.98		0.00			Pass
VHT20	MCS0	2	100	5500	0.24	0.20	14.82	15.28	18.06	23.98		0.00			Pass
VHT20	MCS0	2	116	5580	0.24	0.20	14.78	15.21	18.01	23.98		0.00			Pass
VHT20	MCS0	2	140	5700	0.24	0.20	14.41	15.15	17.80	23.98		0.00			Pass
VHT40	MCS0	2	102	5510	0.43	0.43	12.06	12.38	15.24	23.98		0.00			Pass
VHT40	MCS0	2	110	5550	0.43	0.43	14.45	15.06	17.78	23.98		0.00			Pass
VHT40	MCS0	2	134	5670	0.43	0.43	14.25	15.09	17.71	23.98		0.00			Pass
VHT80	MCS6	2	106	5530	3.28	3.28	10.55	11.20	13.90	23.98		0.00			Pass
VHT80	MCS6	2	122	5610	3.28	3.28	13.18	13.77	16.49	23.98		0.00			Pass

TEST RESULTS DATA
Power Spectral Density

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.20	0.20			8.28	11.00		3.01			Pass
11a	6Mbps	2	116	5580	0.20	0.20			7.75	11.00		3.01			Pass
11a	6Mbps	2	140	5700	0.20	0.20			7.70	11.00		3.01			Pass
HT20	MCS8	2	100	5500	0.42	0.42			6.08	11.00		3.01			Pass
HT20	MCS8	2	116	5580	0.42	0.42			5.84	11.00		3.01			Pass
HT20	MCS8	2	140	5700	0.42	0.42			5.87	11.00		3.01			Pass
HT40	MCS8	2	102	5510	0.80	0.76			1.15	11.00		3.01			Pass
HT40	MCS8	2	110	5550	0.80	0.76			2.21	11.00		3.01			Pass
HT40	MCS8	2	134	5670	0.80	0.76			2.55	11.00		3.01			Pass
VHT20	MCS0	2	100	5500	0.24	0.20			6.00	11.00		3.01			Pass
VHT20	MCS0	2	116	5580	0.24	0.20			5.95	11.00		3.01			Pass
VHT20	MCS0	2	140	5700	0.24	0.20			5.97	11.00		3.01			Pass
VHT40	MCS0	2	102	5510	0.43	0.43			1.30	11.00		3.01			Pass
VHT40	MCS0	2	110	5550	0.43	0.43			2.37	11.00		3.01			Pass
VHT40	MCS0	2	134	5670	0.43	0.43			2.69	11.00		3.01			Pass
VHT80	MCS6	2	106	5530	0.81	0.85			-3.26	11.00		3.01			Pass
VHT80	MCS6	2	122	5610	0.81	0.85			-1.80	11.00		3.01			Pass

TEST RESULTS DATA
26dB and 99% OBW

Straddle Channel														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		Emission Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	144	5720	23.40	17.80	36.72	33.35	-		-		-		
				NII-2C	16.45	14	22.04	20.5	22.46		28.46		23.98		
				NII-3	6.95	3.8	14.68	12.85	22.80		28.80		-		
HT20	MCS0	2	144	5720	18.05	18.00	22.65	21.85	-		-		-		
				NII-2C	14.15	14.15	16.15	15.95	22.51		28.51		23.03		
				NII-3	3.9	3.85	6.5	5.9	22.85		28.85		-		
HT40	MCS0	2	142	5710	36.40	36.50	41.85	41.85	-		-		-		
				NII-2C	33.4	33.5	36.06	35.88	23.98		30.00		23.98		
				NII-3	3	3	5.79	5.97	21.77		27.77		-		
VHT20	MCS0	2	144	5720	18.05	18.05	23.10	22.45	-		-		-		
				NII-2C	14.15	14.15	16.15	16.2	22.51		28.51		23.08		
				NII-3	3.9	3.9	6.95	6.25	22.91		28.91		-		
VHT40	MCS0	2	142	5710	36.30	36.40	44.19	42.21	-		-		-		
				NII-2C	33.3	33.4	36.87	36.06	23.98		30.00		23.98		
				NII-3	3	3	7.32	6.15	21.77		27.77		-		
VHT80	MCS0	2	138	5690	75.00	75.00	81.44	81.92	-		-		-		
				NII-2C	72.8	72.8	75.8	76.12	23.98		30.00		23.98		
				NII-3	2.2	2.2	5.64	5.8	20.42		26.42		-		

TEST RESULTS DATA
Average Power Table

FCC Straddle Channel															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	0.20	0.20	16.36	17.01	19.71	-		0.00			-
				NII-2C	0.20	0.20	15.65	16.30	19.00	23.98		0.00			Pass
				NII-3	0.20	0.20	8.13	8.78	11.48	-		0.00			Pass
HT20	MCS8	2	144	5720	0.42	0.42	14.74	15.70	18.26	-		0.00			-
				NII-2C	0.42	0.42	14.01	14.96	17.52	23.03		0.00			Pass
				NII-3	0.42	0.42	6.66	7.63	10.18	-		0.00			Pass
HT40	MCS8	2	142	5710	0.80	0.76	14.21	15.20	17.74	-		0.00			-
				NII-2C	0.80	0.76	13.99	14.99	17.53	23.98		0.00			Pass
				NII-3	0.80	0.76	1.05	2.01	4.57	-		0.00			Pass
VHT20	MCS0	2	144	5720	0.24	0.20	14.63	15.34	18.01	-		0.00			-
				NII-2C	0.24	0.20	13.92	14.59	17.28	23.08		0.00			Pass
				NII-3	0.24	0.20	6.44	7.32	9.91	-		0.00			Pass
VHT40	MCS0	2	142	5710	0.43	0.43	14.09	15.03	17.59	-		0.00			-
				NII-2C	0.43	0.43	13.87	14.81	12.39	23.98		0.00			Pass
				NII-3	0.43	0.43	0.98	1.88	1.69	-		0.00			Pass
VHT80	MCS0	2	138	5690	0.81	0.85	13.73	13.64	16.69	-		0.00			-
				NII-2C	0.81	0.85	13.67	13.58	16.64	23.98		0.00			Pass
				NII-3	0.81	0.85	-5.04	-5.14	-2.08	-		0.00			Pass

TEST RESULTS DATA
Power Spectral Density

Straddle Channel														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	NII-2C	0.20	0.20			8.39	11.00		3.01			Pass
				NII-3	0.20	0.20			8.39	30.00		3.01			Pass
HT20	MCS0	2	144	NII-2C	0.42	0.42			6.34	11.00		3.01			Pass
				NII-3	0.42	0.42			6.34	30.00		3.01			Pass
HT40	MCS0	2	142	NII-2C	0.80	0.76			2.85	11.00		3.01			Pass
				NII-3	0.80	0.76			2.85	30.00		3.01			Pass
VHT20	MCS0	2	144	NII-2C	0.24	0.20			6.45	11.00		3.01			Pass
				NII-3	0.24	0.20			6.45	30.00		3.01			Pass
VHT40	MCS0	2	142	NII-2C	0.43	0.43			2.98	11.00		3.01			Pass
				NII-3	0.43	0.43			2.98	30.00		3.01			Pass
VHT80	MCS0	2	138	NII-2C	0.81	0.85			-1.38	11.00		3.01			Pass
				NII-3	0.81	0.85			-1.38	30.00		3.01			Pass

TEST RESULTS DATA
Frequency Stability

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	2	36	5180	5179.950	-0.050	-9.65	20	3.4	
11a	6Mbps	2	36	5180	5179.950	-0.050	-9.65	20	4.35	
11a	6Mbps	2	36	5180	5179.950	-0.050	-9.65	20	3.9	
11a	6Mbps	2	36	5180	5180.050	0.050	9.65	-30	3.9	
11a	6Mbps	2	36	5180	5180.000	0.000	0.00	55	3.9	

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	2	64	5320	5319.950	-0.050	-9.40	20	3.4	
11a	6Mbps	2	64	5320	5319.950	-0.050	-9.40	20	4.35	
11a	6Mbps	2	64	5320	5319.950	-0.050	-9.40	20	3.9	
11a	6Mbps	2	64	5320	5320.000	0.000	0.00	-30	3.9	
11a	6Mbps	2	64	5320	5319.950	-0.050	-9.40	55	3.9	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	2	100	5500	5499.900	-0.100	-18.18	20	3.4	
11a	6Mbps	2	100	5500	5499.950	-0.050	-9.09	20	4.35	
11a	6Mbps	2	100	5500	5499.900	-0.100	-18.18	20	3.9	
11a	6Mbps	2	100	5500	5500.050	0.050	9.09	-30	3.9	
11a	6Mbps	2	100	5500	5499.950	-0.050	-9.09	55	3.9	

Appendix B. Radiated Spurious Emission

Test Engineer :	Nick Yu, Ken Wu, and James Chiu	Temperature :	21~23°C
		Relative Humidity :	60~63%

15E Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.8	72.59	-1.41	74	58.92	34.61	11.55	32.49	207	323	P	H
		5150	52.83	-1.17	54	39.16	34.61	11.55	32.49	207	323	A	H
	*	5183	111.07	-	-	97.34	34.66	11.59	32.52	207	323	P	H
	*	5183	101.85	-	-	88.12	34.66	11.59	32.52	207	323	A	H
													H
													H
		5146.85	65.74	-8.26	74	52.07	34.61	11.55	32.49	308	77	P	V
		5150	49.59	-4.41	54	35.92	34.61	11.55	32.49	308	77	A	V
	*	5177	107.36	-	-	93.67	34.66	11.55	32.52	308	77	P	V
	*	5177	97.93	-	-	84.24	34.66	11.55	32.52	308	77	A	V
													V
													V
802.11a CH 44 5220MHz		5140.55	58.14	-15.86	74	44.43	34.61	11.55	32.45	116	328	P	H
		5149.1	44.6	-9.4	54	30.93	34.61	11.55	32.49	116	328	A	H
	*	5216	112.08	-	-	98.34	34.7	11.59	32.55	116	328	P	H
	*	5216	102.61	-	-	88.87	34.7	11.59	32.55	116	328	A	H
		5350.33	58.41	-15.59	74	44.99	34.89	11.71	33.18	116	328	P	H
		5408.41	44.56	-9.44	54	31.25	34.96	11.74	33.39	116	328	A	H
		5135.75	57.75	-16.25	74	44.11	34.59	11.5	32.45	287	74	P	V
		5140.4	44.26	-9.74	54	30.55	34.61	11.55	32.45	287	74	A	V
	*	5220	105.42	-	-	91.68	34.7	11.59	32.55	287	74	P	V
	*	5220	96.43	-	-	82.69	34.7	11.59	32.55	287	74	A	V
		5361.22	57.95	-16.05	74	44.51	34.91	11.71	33.18	287	74	P	V
		5377.83	44.53	-9.47	54	31.16	34.94	11.71	33.28	287	74	A	V

802.11a CH 48 5240MHz		5111.6	57.38	-16.62	74	43.74	34.56	11.5	32.42	126	326	P	H
		5143.55	44.65	-9.35	54	30.94	34.61	11.55	32.45	126	326	A	H
	*	5236	112.62	-	-	98.92	34.73	11.62	32.65	126	326	P	H
	*	5236	102.01	-	-	88.31	34.73	11.62	32.65	126	326	A	H
		5418.09	57.34	-16.66	74	44.01	34.98	11.74	33.39	126	326	P	H
		5354.95	44.72	-9.28	54	31.3	34.89	11.71	33.18	126	326	A	H
		5149.25	57.51	-16.49	74	43.84	34.61	11.55	32.49	300	89	P	V
		5143.1	44.41	-9.59	54	30.7	34.61	11.55	32.45	300	89	A	V
	*	5243	106.98	-	-	93.26	34.75	11.62	32.65	300	89	P	V
	*	5243	96.74	-	-	83.02	34.75	11.62	32.65	300	89	A	V
		5420.95	57.8	-16.2	74	44.41	34.98	11.8	33.39	300	89	P	V
		5389.38	44.52	-9.48	54	31.12	34.94	11.74	33.28	300	89	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10359	41.81	-32.19	74	48.16	37.22	16.34	59.91	100	0	P	H
		15540	47.53	-26.47	74	44.71	40.34	20.36	57.88	100	0	P	H
													H
													H
		10359	42.26	-31.74	74	48.61	37.22	16.34	59.91	100	0	P	V
		15540	47.43	-26.57	74	44.61	40.34	20.36	57.88	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	43.04	-30.96	74	49.22	37.26	16.41	59.85	100	0	P	H
		15660	47.15	-26.85	74	44.06	40.49	20.41	57.81	100	0	P	H
													H
													H
		10440	43.14	-30.86	74	49.32	37.26	16.41	59.85	100	0	P	V
		15660	47.96	-26.04	74	44.87	40.49	20.41	57.81	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	42.5	-31.5	74	48.57	37.29	16.45	59.81	100	0	P	H
		15720	48.13	-25.87	74	44.88	40.57	20.45	57.77	100	0	P	H
													H
													H
		10480	41.91	-32.09	74	47.98	37.29	16.45	59.81	100	0	P	V
		15720	49.46	-24.54	74	46.21	40.57	20.45	57.77	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5148.65	73	-1	74	59.33	34.61	11.55	32.49	165	313	P	H
		5149.85	52.92	-1.08	54	39.25	34.61	11.55	32.49	165	313	A	H
	*	5183	110.29	-	-	96.56	34.66	11.59	32.52	165	313	P	H
	*	5183	99.78	-	-	86.05	34.66	11.59	32.52	165	313	A	H
802.11n													H
HT20													H
CH 36		5149.7	68.07	-5.93	74	54.4	34.61	11.55	32.49	306	77	P	V
5180MHz		5150	47.78	-6.22	54	34.11	34.61	11.55	32.49	306	77	A	V
	*	5182	107.04	-	-	93.31	34.66	11.59	32.52	306	77	P	V
	*	5182	95.95	-	-	82.22	34.66	11.59	32.52	306	77	A	V
													V
													V
		5101.1	58.06	-15.94	74	44.44	34.54	11.5	32.42	120	320	P	H
		5142.65	45.07	-8.93	54	31.36	34.61	11.55	32.45	120	320	A	H
	*	5220	109.62	-	-	95.88	34.7	11.59	32.55	120	320	P	H
	*	5220	99.59	-	-	85.85	34.7	11.59	32.55	120	320	A	H
802.11n		5359.02	57.62	-16.38	74	44.2	34.89	11.71	33.18	120	320	P	H
HT20		5382.67	44.84	-9.16	54	31.44	34.94	11.74	33.28	120	320	A	H
CH 44		5003.15	58.07	-15.93	74	44.59	34.4	11.37	32.29	300	74	P	V
5220MHz		5148.8	44.76	-9.24	54	31.09	34.61	11.55	32.49	300	74	A	V
	*	5223	106.2	-	-	92.53	34.7	11.62	32.65	300	74	P	V
	*	5223	95.56	-	-	81.89	34.7	11.62	32.65	300	74	A	V
		5408.41	57.55	-16.45	74	44.24	34.96	11.74	33.39	300	74	P	V
		5413.25	44.84	-9.16	54	31.51	34.98	11.74	33.39	300	74	A	V

		5078.45	58.41	-15.59	74	44.82	34.52	11.46	32.39	112	320	P	H
		5149.7	44.97	-9.03	54	31.3	34.61	11.55	32.49	112	320	A	H
	*	5237	109.95	-	-	96.25	34.73	11.62	32.65	112	320	P	H
	*	5237	99.34	-	-	85.64	34.73	11.62	32.65	112	320	A	H
802.11n		5397.52	58.25	-15.75	74	44.83	34.96	11.74	33.28	112	320	P	H
HT20		5392.35	44.77	-9.23	54	31.37	34.94	11.74	33.28	112	320	A	H
CH 48		5136.65	57.05	-16.95	74	43.41	34.59	11.5	32.45	300	74	P	V
5240MHz		5149.7	44.64	-9.36	54	30.97	34.61	11.55	32.49	300	74	A	V
	*	5242	106.57	-	-	92.85	34.75	11.62	32.65	300	74	P	V
	*	5242	95.61	-	-	81.89	34.75	11.62	32.65	300	74	A	V
		5370.02	57.35	-16.65	74	43.91	34.91	11.71	33.18	300	74	P	V
		5380.69	44.88	-9.12	54	31.48	34.94	11.74	33.28	300	74	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10360	42.34	-31.66	74	48.69	37.22	16.34	59.91	100	0	P	H
		15540	47.68	-26.32	74	44.86	40.34	20.36	57.88	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	42.02	-31.98	74	48.37	37.22	16.34	59.91	100	0	P	V
5180MHz		15540	47.11	-26.89	74	44.29	40.34	20.36	57.88	100	0	P	V
													V
													V
		10440	43.21	-30.79	74	49.39	37.26	16.41	59.85	100	0	P	H
		15660	46.92	-27.08	74	43.83	40.49	20.41	57.81	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	43.27	-30.73	74	49.45	37.26	16.41	59.85	100	0	P	V
5220MHz		15660	46.62	-27.38	74	43.53	40.49	20.41	57.81	100	0	P	V
													V
													V
		10480	43.19	-30.81	74	49.26	37.29	16.45	59.81	100	0	P	H
		15720	48.62	-25.38	74	45.37	40.57	20.45	57.77	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	42.88	-31.12	74	48.95	37.29	16.45	59.81	100	0	P	V
5240MHz		15720	47.81	-26.19	74	44.56	40.57	20.45	57.77	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		5149.7	72.43	-1.57	74	58.76	34.61	11.55	32.49	164	312	P	H
		5149.85	50.87	-3.13	54	37.2	34.61	11.55	32.49	164	312	A	H
	*	5190	104.13	-	-	90.4	34.66	11.59	32.52	164	312	P	H
	*	5190	94.02	-	-	80.29	34.66	11.59	32.52	164	312	A	H
		5409.84	57.8	-16.2	74	44.49	34.96	11.74	33.39	164	312	P	H
		5393.89	44.89	-9.11	54	31.49	34.94	11.74	33.28	164	312	A	H
		5147.15	65.08	-8.92	74	51.41	34.61	11.55	32.49	229	64	P	V
		5149.85	47.12	-6.88	54	33.45	34.61	11.55	32.49	229	64	A	V
	*	5190	98.43	-	-	84.7	34.66	11.59	32.52	229	64	P	V
	*	5190	88.23	-	-	74.5	34.66	11.59	32.52	229	64	A	V
		5437.78	57.96	-16.04	74	44.63	35.01	11.8	33.48	229	64	P	V
		5379.15	44.83	-9.17	54	31.46	34.94	11.71	33.28	229	64	A	V
802.11n HT40 CH 46 5230MHz		5149.7	65.62	-8.38	74	51.95	34.61	11.55	32.49	160	313	P	H
		5149.55	47.87	-6.13	54	34.2	34.61	11.55	32.49	160	313	A	H
	*	5234	108.34	-	-	94.64	34.73	11.62	32.65	160	313	P	H
	*	5234	97.37	-	-	83.67	34.73	11.62	32.65	160	313	A	H
		5352.64	63.27	-10.73	74	49.85	34.89	11.71	33.18	160	313	P	H
		5355.72	44.92	-9.08	54	31.5	34.89	11.71	33.18	160	313	A	H
		5142.05	60.97	-13.03	74	47.26	34.61	11.55	32.45	114	26	P	V
		5148.35	44.99	-9.01	54	31.32	34.61	11.55	32.49	114	26	A	V
	*	5234	101.74	-	-	88.04	34.73	11.62	32.65	114	26	P	V
	*	5234	90.47	-	-	76.77	34.73	11.62	32.65	114	26	A	V
		5382.45	58.09	-15.91	74	44.69	34.94	11.74	33.28	114	26	P	V
		5400.16	45.04	-8.96	54	31.73	34.96	11.74	33.39	114	26	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10380	43.46	-30.54	74	49.78	37.23	16.34	59.89	100	0	P	H
		15570	48.78	-25.22	74	45.88	40.38	20.38	57.86	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	43.17	-30.83	74	49.49	37.23	16.34	59.89	100	0	P	V
5190MHz		15570	47.39	-26.61	74	44.49	40.38	20.38	57.86	100	0	P	V
													V
													V
		10460	42.88	-31.12	74	49.04	37.27	16.41	59.84	100	0	P	H
		15690	47.54	-26.46	74	44.37	40.53	20.43	57.79	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	43.18	-30.82	74	49.34	37.27	16.41	59.84	100	0	P	V
5230MHz		15690	48.47	-25.53	74	45.3	40.53	20.43	57.79	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5147.75	72.51	-1.49	74	58.84	34.61	11.55	32.49	135	323	P	H
		5150	52.35	-1.65	54	38.68	34.61	11.55	32.49	135	323	A	H
	*	5177	111.34	-	-	97.65	34.66	11.55	32.52	135	323	P	H
	*	5177	101.15	-	-	87.46	34.66	11.55	32.52	135	323	A	H
802.11ac		5402.8	57.82	-16.18	74	44.51	34.96	11.74	33.39	135	323	P	H
VHT20		5407.97	45.02	-8.98	54	31.71	34.96	11.74	33.39	135	323	A	H
CH 36		5148.8	68.1	-5.9	74	54.43	34.61	11.55	32.49	324	98	P	V
5180MHz		5149.7	46.87	-7.13	54	33.2	34.61	11.55	32.49	324	98	A	V
	*	5181	106.04	-	-	92.31	34.66	11.59	32.52	324	98	P	V
	*	5181	95.97	-	-	82.24	34.66	11.59	32.52	324	98	A	V
		5400.05	57.66	-16.34	74	44.35	34.96	11.74	33.39	324	98	P	V
		5393.89	44.86	-9.14	54	31.46	34.94	11.74	33.28	324	98	A	V
		5128.7	58.08	-15.92	74	44.44	34.59	11.5	32.45	119	326	P	H
		5148.95	45.31	-8.69	54	31.64	34.61	11.55	32.49	119	326	A	H
	*	5218	111.3	-	-	97.56	34.7	11.59	32.55	119	326	P	H
	*	5218	101.35	-	-	87.61	34.7	11.59	32.55	119	326	A	H
802.11ac		5351.43	57.93	-16.07	74	44.51	34.89	11.71	33.18	119	326	P	H
VHT20		5386.52	45.18	-8.82	54	31.78	34.94	11.74	33.28	119	326	A	H
CH 44		5045.15	57.59	-16.41	74	44.06	34.47	11.41	32.35	100	344	P	V
5220MHz		5148.35	44.58	-9.42	54	30.91	34.61	11.55	32.49	100	344	A	V
	*	5218	102.91	-	-	89.17	34.7	11.59	32.55	100	344	P	V
	*	5218	93.22	-	-	79.48	34.7	11.59	32.55	100	344	A	V
		5401.26	57.39	-16.61	74	44.08	34.96	11.74	33.39	100	344	P	V
		5444.16	44.85	-9.15	54	31.52	35.01	11.8	33.48	100	344	A	V

		5127.8	57.6	-16.4	74	43.96	34.59	11.5	32.45	134	321	P	H
		5144.15	44.88	-9.12	54	31.21	34.61	11.55	32.49	134	321	A	H
	*	5241	111.12	-	-	97.42	34.73	11.62	32.65	134	321	P	H
	*	5241	101.61	-	-	87.91	34.73	11.62	32.65	134	321	A	H
802.11ac		5423.59	58.02	-15.98	74	44.63	34.98	11.8	33.39	134	321	P	H
VHT20		5383.88	45.18	-8.82	54	31.78	34.94	11.74	33.28	134	321	A	H
CH 48		5143.4	57.59	-16.41	74	43.88	34.61	11.55	32.45	108	28	P	V
5240MHz		5145.05	44.65	-9.35	54	30.98	34.61	11.55	32.49	108	28	A	V
	*	5242	103.43	-	-	89.71	34.75	11.62	32.65	108	28	P	V
	*	5242	93.62	-	-	79.9	34.75	11.62	32.65	108	28	A	V
		5394.22	57.6	-16.4	74	44.2	34.94	11.74	33.28	108	28	P	V
		5378.49	44.84	-9.16	54	31.47	34.94	11.71	33.28	108	28	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10360	42.83	-31.17	74	49.18	37.22	16.34	59.91	100	0	P	H
		15540	46.94	-27.06	74	44.12	40.34	20.36	57.88	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	41.92	-32.08	74	48.27	37.22	16.34	59.91	100	0	P	V
5180MHz		15540	47.24	-26.76	74	44.42	40.34	20.36	57.88	100	0	P	V
													V
													V
		10440	42.9	-31.1	74	49.08	37.26	16.41	59.85	100	0	P	H
		15660	46.82	-27.18	74	43.73	40.49	20.41	57.81	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	43.9	-30.1	74	50.08	37.26	16.41	59.85	100	0	P	V
5220MHz		15660	47.5	-26.5	74	44.41	40.49	20.41	57.81	100	0	P	V
													V
													V
		10480	42.68	-31.32	74	48.75	37.29	16.45	59.81	100	0	P	H
		15720	48.36	-25.64	74	45.11	40.57	20.45	57.77	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	43.1	-30.9	74	49.17	37.29	16.45	59.81	100	0	P	V
5240MHz		15720	48.42	-25.58	74	45.17	40.57	20.45	57.77	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 CH 38 5190MHz		5143.85	72.05	-1.95	74	58.38	34.61	11.55	32.49	108	329	P	H
		5149.7	51.35	-2.65	54	37.68	34.61	11.55	32.49	108	329	A	H
	*	5193	104.14	-	-	90.39	34.68	11.59	32.52	108	329	P	H
	*	5193	94.7	-	-	80.95	34.68	11.59	32.52	108	329	A	H
		5351.98	58.39	-15.61	74	44.97	34.89	11.71	33.18	108	329	P	H
		5378.93	45	-9	54	31.63	34.94	11.71	33.28	108	329	A	H
		5149.85	67.63	-6.37	74	53.96	34.61	11.55	32.49	307	91	P	V
		5148.65	47.64	-6.36	54	33.97	34.61	11.55	32.49	307	91	A	V
	*	5191	100.65	-	-	86.9	34.68	11.59	32.52	307	91	P	V
	*	5191	90.03	-	-	76.28	34.68	11.59	32.52	307	91	A	V
		5414.02	57.2	-16.8	74	43.87	34.98	11.74	33.39	307	91	P	V
		5419.52	44.85	-9.15	54	31.52	34.98	11.74	33.39	307	91	A	V
802.11ac VHT40 CH 46 5230MHz		5148.8	66.8	-7.2	74	53.13	34.61	11.55	32.49	134	326	P	H
		5149.85	47.73	-6.27	54	34.06	34.61	11.55	32.49	134	326	A	H
	*	5234	107.94	-	-	94.24	34.73	11.62	32.65	134	326	P	H
	*	5234	98.17	-	-	84.47	34.73	11.62	32.65	134	326	A	H
		5351.98	63.63	-10.37	74	50.21	34.89	11.71	33.18	134	326	P	H
		5394.33	44.91	-9.09	54	31.51	34.94	11.74	33.28	134	326	A	H
		5145.05	58.64	-15.36	74	44.97	34.61	11.55	32.49	100	354	P	V
		5150	45.06	-8.94	54	31.39	34.61	11.55	32.49	100	354	A	V
	*	5227	99.23	-	-	85.53	34.73	11.62	32.65	100	354	P	V
	*	5227	89.67	-	-	75.97	34.73	11.62	32.65	100	354	A	V
		5405.22	58.49	-15.51	74	45.18	34.96	11.74	33.39	100	354	P	V
		5380.91	44.96	-9.04	54	31.56	34.94	11.74	33.28	100	354	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10380	42.17	-31.83	74	48.49	37.23	16.34	59.89	100	0	P	H
		15570	48.42	-25.58	74	45.52	40.38	20.38	57.86	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	42.18	-31.82	74	48.5	37.23	16.34	59.89	100	0	P	V
5190MHz		15570	48	-26	74	45.1	40.38	20.38	57.86	100	0	P	V
													V
													V
		10460	42.76	-31.24	74	48.92	37.27	16.41	59.84	100	0	P	H
		15690	47.3	-26.7	74	44.13	40.53	20.43	57.79	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	43.07	-30.93	74	49.23	37.27	16.41	59.84	100	0	P	V
5230MHz		15690	47.53	-26.47	74	44.36	40.53	20.43	57.79	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		5147.15	68.88	-5.12	74	55.21	34.61	11.55	32.49	114	327	P	H
		5148.5	52.45	-1.55	54	38.78	34.61	11.55	32.49	114	327	A	H
	*	5210	101.78	-	-	88.04	34.7	11.59	32.55	114	327	P	H
	*	5210	90.17	-	-	76.43	34.7	11.59	32.55	114	327	A	H
		5353.19	58.57	-15.43	74	45.15	34.89	11.71	33.18	114	327	P	H
		5350.22	46.16	-7.84	54	32.74	34.89	11.71	33.18	114	327	A	H
		5148.95	63.79	-10.21	74	50.12	34.61	11.55	32.49	263	79	P	V
		5146.25	48.91	-5.09	54	35.24	34.61	11.55	32.49	263	79	A	V
	*	5210	98.17	-	-	84.43	34.7	11.59	32.55	263	79	P	V
	*	5210	87.29	-	-	73.55	34.7	11.59	32.55	263	79	A	V
		5401.37	57.91	-16.09	74	44.6	34.96	11.74	33.39	263	79	P	V
		5350.11	46.04	-7.96	54	32.62	34.89	11.71	33.18	263	79	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10420	42.29	-31.71	74	48.54	37.25	16.37	59.87	100	0	P	H
		15630	46.37	-27.63	74	43.31	40.47	20.41	57.82	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	42.53	-31.47	74	48.78	37.25	16.37	59.87	100	0	P	V
5210MHz		15630	47.01	-26.99	74	43.95	40.47	20.41	57.82	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5138	58	-16	74	44.36	34.59	11.5	32.45	124	318	P	H
		5141.9	44.34	-9.66	54	30.63	34.61	11.55	32.45	124	318	A	H
	*	5259	113.03	-	-	99.4	34.77	11.62	32.76	124	318	P	H
	*	5259	103.64	-	-	90.01	34.77	11.62	32.76	124	318	A	H
		5396.09	57.78	-16.22	74	44.36	34.96	11.74	33.28	124	318	P	H
		5377.28	44.47	-9.53	54	31.13	34.91	11.71	33.28	124	318	A	H
		5126.45	57.44	-16.56	74	43.8	34.59	11.5	32.45	300	66	P	V
		5150	44.13	-9.87	54	30.46	34.61	11.55	32.49	300	66	A	V
	*	5263	108.6	-	-	94.94	34.77	11.65	32.76	300	66	P	V
	*	5263	98.76	-	-	85.1	34.77	11.65	32.76	300	66	A	V
		5378.49	57.79	-16.21	74	44.42	34.94	11.71	33.28	300	66	P	V
		5395.1	44.45	-9.55	54	31.03	34.96	11.74	33.28	300	66	A	V
802.11a CH 60 5300MHz		5140.85	57.15	-16.85	74	43.44	34.61	11.55	32.45	200	319	P	H
		5143.55	44.18	-9.82	54	30.47	34.61	11.55	32.45	200	319	A	H
	*	5297	111.85	-	-	98.35	34.82	11.65	32.97	200	319	P	H
	*	5297	102.3	-	-	88.8	34.82	11.65	32.97	200	319	A	H
		5353.3	65.94	-8.06	74	52.52	34.89	11.71	33.18	200	319	P	H
		5350.77	48.84	-5.16	54	35.42	34.89	11.71	33.18	200	319	A	H
		5024.6	57.76	-16.24	74	44.22	34.45	11.41	32.32	373	72	P	V
		5148.5	44.07	-9.93	54	30.4	34.61	11.55	32.49	373	72	A	V
	*	5302	107.82	-	-	94.29	34.82	11.68	32.97	373	72	P	V
	*	5302	98.43	-	-	84.9	34.82	11.68	32.97	373	72	A	V
		5356.93	58.53	-15.47	74	45.11	34.89	11.71	33.18	373	72	P	V
		5350	45.11	-8.89	54	31.69	34.89	11.71	33.18	373	72	A	V

802.11a CH 64 5320MHz	*	5318	111.42	-	-	97.87	34.84	11.68	32.97	164	308	P	H
	*	5318	101.7	-	-	88.15	34.84	11.68	32.97	164	308	A	H
		5354.62	72.67	-1.33	74	59.25	34.89	11.71	33.18	164	308	P	H
		5350.11	52.37	-1.63	54	38.95	34.89	11.71	33.18	164	308	A	H
													H
													H
	*	5318	106.43	-	-	92.88	34.84	11.68	32.97	371	74	P	V
	*	5318	96.82	-	-	83.27	34.84	11.68	32.97	371	74	A	V
		5353.08	62.62	-11.38	74	49.2	34.89	11.71	33.18	371	74	P	V
		5350.66	45.85	-8.15	54	32.43	34.89	11.71	33.18	371	74	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		10520	42.36	-31.64	74	48.33	37.32	16.49	59.78	100	0	P	H
		15780	49.67	-24.33	74	46.31	40.63	20.46	57.73	100	0	P	H
													H
													H
		10520	41.83	-32.17	74	47.8	37.32	16.49	59.78	100	0	P	V
		15780	50.59	-23.41	74	47.23	40.63	20.46	57.73	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	42.58	-31.42	74	48.26	37.42	16.56	59.66	100	0	P	H
		15900	49.06	-24.94	74	45.42	40.78	20.52	57.66	100	0	P	H
													H
													H
		10600	43.74	-30.26	74	49.42	37.42	16.56	59.66	100	0	P	V
		15900	49.04	-24.96	74	45.4	40.78	20.52	57.66	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	42.52	-31.48	74	48.06	37.47	16.6	59.61	100	0	P	H
		15960	49.02	-24.98	74	45.23	40.86	20.55	57.62	100	0	P	H
													H
													H
		10640	42.39	-31.61	74	47.93	37.47	16.6	59.61	1000	0	P	V
		15960	48.73	-25.27	74	44.94	40.86	20.55	57.62	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5140.4	57.14	-16.86	74	43.43	34.61	11.55	32.45	124	318	P	H
		5143.85	44.6	-9.4	54	30.93	34.61	11.55	32.49	124	318	A	H
	*	5263	110.27	-	-	96.61	34.77	11.65	32.76	124	318	P	H
	*	5263	99.68	-	-	86.02	34.77	11.65	32.76	124	318	A	H
802.11n		5427.11	57.64	-16.36	74	44.34	34.98	11.8	33.48	124	318	P	H
HT20		5362.76	44.87	-9.13	54	31.43	34.91	11.71	33.18	124	318	A	H
CH 52		5128.4	57.98	-16.02	74	44.34	34.59	11.5	32.45	300	66	P	V
5260MHz		5142.35	44.4	-9.6	54	30.69	34.61	11.55	32.45	300	66	A	V
	*	5258	105.56	-	-	91.95	34.75	11.62	32.76	300	66	P	V
	*	5258	95.25	-	-	81.64	34.75	11.62	32.76	300	66	A	V
		5416.55	58.4	-15.6	74	45.07	34.98	11.74	33.39	300	66	P	V
		5395.87	44.86	-9.14	54	31.44	34.96	11.74	33.28	300	66	A	V
		5102.75	57.6	-16.4	74	43.98	34.54	11.5	32.42	200	319	P	H
		5144.15	44.39	-9.61	54	30.72	34.61	11.55	32.49	200	319	A	H
	*	5302	108.47	-	-	94.94	34.82	11.68	32.97	200	319	P	H
	*	5302	98.09	-	-	84.56	34.82	11.68	32.97	200	319	A	H
802.11n		5350.55	63.84	-10.16	74	50.42	34.89	11.71	33.18	200	319	P	H
HT20		5350	45.75	-8.25	54	32.33	34.89	11.71	33.18	200	319	A	H
CH 60		5136.8	57.37	-16.63	74	43.73	34.59	11.5	32.45	373	72	P	V
5300MHz		5141.6	44.52	-9.48	54	30.81	34.61	11.55	32.45	373	72	A	V
	*	5303	104.97	-	-	91.44	34.82	11.68	32.97	373	72	P	V
	*	5303	94.24	-	-	80.71	34.82	11.68	32.97	373	72	A	V
		5410.39	57.96	-16.04	74	44.65	34.96	11.74	33.39	373	72	P	V
		5395.1	44.85	-9.15	54	31.43	34.96	11.74	33.28	373	72	A	V

	*	5318	109.25	-	-	95.7	34.84	11.68	32.97	112	318	P	H
	*	5318	99	-	-	85.45	34.84	11.68	32.97	112	318	A	H
		5351.54	70.43	-3.57	74	57.01	34.89	11.71	33.18	112	318	P	H
		5350.55	51.22	-2.78	54	37.8	34.89	11.71	33.18	112	318	A	H
802.11n													H
HT20													H
CH 64	*	5322	105.19	-	-	91.64	34.84	11.68	32.97	371	77	P	V
5320MHz	*	5322	94.66	-	-	81.11	34.84	11.68	32.97	371	77	A	V
		5350.77	63.97	-10.03	74	50.55	34.89	11.71	33.18	371	77	P	V
		5350.55	45.86	-8.14	54	32.44	34.89	11.71	33.18	371	77	A	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10520	42.43	-31.57	74	48.4	37.32	16.49	59.78	100	0	P	H
		15780	49.76	-24.24	74	46.4	40.63	20.46	57.73	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	42.33	-31.67	74	48.3	37.32	16.49	59.78	100	0	P	V
5260MHz		15780	49.95	-24.05	74	46.59	40.63	20.46	57.73	100	0	P	V
													V
													V
		10600	43.91	-30.09	74	49.59	37.42	16.56	59.66	100	0	P	H
		15900	48.57	-25.43	74	44.93	40.78	20.52	57.66	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	43.19	-30.81	74	48.87	37.42	16.56	59.66	100	0	P	V
5300MHz		15900	48.32	-25.68	74	44.68	40.78	20.52	57.66	100	0	P	V
													V
													V
		10640	42.5	-31.5	74	48.04	37.47	16.6	59.61	100	0	P	H
		15960	47.79	-26.21	74	44	40.86	20.55	57.62	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	42.52	-31.48	74	48.06	37.47	16.6	59.61	100	0	P	V
5320MHz		15960	48.36	-25.64	74	44.57	40.86	20.55	57.62	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		5112.2	61.43	-12.57	74	47.79	34.56	11.5	32.42	122	322	P	H
		5147	44.77	-9.23	54	31.1	34.61	11.55	32.49	122	322	A	H
	*	5270	107.27	-	-	93.61	34.77	11.65	32.76	122	322	P	H
	*	5270	96.95	-	-	83.29	34.77	11.65	32.76	122	322	A	H
		5351.43	65.18	-8.82	74	51.76	34.89	11.71	33.18	122	322	P	H
		5350.33	47.47	-6.53	54	34.05	34.89	11.71	33.18	122	322	A	H
		5070.5	57.5	-16.5	74	43.94	34.49	11.46	32.39	108	28	P	V
		5149.7	44.61	-9.39	54	30.94	34.61	11.55	32.49	108	28	A	V
	*	5273	100.19	-	-	86.63	34.77	11.65	32.86	108	28	P	V
	*	5273	89.7	-	-	76.14	34.77	11.65	32.86	108	28	A	V
		5354.84	60.12	-13.88	74	46.7	34.89	11.71	33.18	108	28	P	V
		5350.11	45.11	-8.89	54	31.69	34.89	11.71	33.18	108	28	A	V
802.11n HT40 CH 62 5310MHz		5141.45	60.87	-13.13	74	47.16	34.61	11.55	32.45	101	324	P	H
		5141.45	44.71	-9.29	54	31	34.61	11.55	32.45	101	324	A	H
	*	5307	104.96	-	-	91.43	34.82	11.68	32.97	101	324	P	H
	*	5307	95.02	-	-	81.49	34.82	11.68	32.97	101	324	A	H
		5355.83	71.32	-2.68	74	57.9	34.89	11.71	33.18	101	324	P	H
		5353.3	52.43	-1.57	54	39.01	34.89	11.71	33.18	101	324	A	H
		5148.8	57.61	-16.39	74	43.94	34.61	11.55	32.49	107	30	P	V
		5123	44.64	-9.36	54	31	34.59	11.5	32.45	107	30	A	V
	*	5308	98.69	-	-	85.16	34.82	11.68	32.97	107	30	P	V
	*	5308	88.25	-	-	74.72	34.82	11.68	32.97	107	30	A	V
		5352.53	65.73	-8.27	74	52.31	34.89	11.71	33.18	107	30	P	V
		5354.84	47.65	-6.35	54	34.23	34.89	11.71	33.18	107	30	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10540	44.16	-29.84	74	50.08	37.34	16.49	59.75	100	0	P	H
		15810	49.11	-24.89	74	45.67	40.67	20.48	57.71	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	43.06	-30.94	74	48.98	37.34	16.49	59.75	100	0	P	V
5270MHz		15810	49.14	-24.86	74	45.7	40.67	20.48	57.71	100	0	P	V
													V
													V
		10620	42.28	-31.72	74	47.91	37.44	16.56	59.63	100	0	P	H
		15930	49.09	-24.91	74	45.38	40.82	20.53	57.64	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	43.33	-30.67	74	48.96	37.44	16.56	59.63	100	0	P	V
5310MHz		15930	48.43	-25.57	74	44.72	40.82	20.53	57.64	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 52 5260MHz		5124.35	57.87	-16.13	74	44.23	34.59	11.5	32.45	104	328	P	H
		5144.6	44.68	-9.32	54	31.01	34.61	11.55	32.49	104	328	A	H
	*	5264	110.58	-	-	96.92	34.77	11.65	32.76	104	328	P	H
	*	5264	100.9	-	-	87.24	34.77	11.65	32.76	104	328	A	H
		5384.98	57.97	-16.03	74	44.57	34.94	11.74	33.28	104	328	P	H
		5378.82	44.92	-9.08	54	31.55	34.94	11.71	33.28	104	328	A	H
		5133.35	57.54	-16.46	74	43.9	34.59	11.5	32.45	101	28	P	V
		5146.7	44.81	-9.19	54	31.14	34.61	11.55	32.49	101	28	A	V
	*	5257	102.56	-	-	88.95	34.75	11.62	32.76	101	28	P	V
	*	5257	93.38	-	-	79.77	34.75	11.62	32.76	101	28	A	V
		5406.54	57.63	-16.37	74	44.32	34.96	11.74	33.39	101	28	P	V
		5394.55	44.92	-9.08	54	31.5	34.96	11.74	33.28	101	28	A	V
802.11ac VHT20 CH 60 5300MHz		5145.5	57.75	-16.25	74	44.08	34.61	11.55	32.49	147	324	P	H
		5149.4	44.57	-9.43	54	30.9	34.61	11.55	32.49	147	324	A	H
	*	5298	110.63	-	-	97.13	34.82	11.65	32.97	147	324	P	H
	*	5298	100.78	-	-	87.28	34.82	11.65	32.97	147	324	A	H
		5350.44	65.81	-8.19	74	52.39	34.89	11.71	33.18	147	324	P	H
		5350.11	46.61	-7.39	54	33.19	34.89	11.71	33.18	147	324	A	H
		5088.2	57.26	-16.74	74	43.67	34.52	11.46	32.39	101	27	P	V
		5143.1	44.62	-9.38	54	30.91	34.61	11.55	32.45	101	27	A	V
	*	5299	102.61	-	-	89.11	34.82	11.65	32.97	101	27	P	V
	*	5299	92.92	-	-	79.42	34.82	11.65	32.97	101	27	A	V
		5355.61	57.91	-16.09	74	44.49	34.89	11.71	33.18	101	27	P	V
		5353.08	44.9	-9.1	54	31.48	34.89	11.71	33.18	101	27	A	V

802.11ac VHT20 CH 64 5320MHz		5121.05	57.56	-16.44	74	43.95	34.56	11.5	32.45	122	326	P	H
		5143.1	44.54	-9.46	54	30.83	34.61	11.55	32.45	122	326	A	H
	*	5317	110.27	-	-	96.72	34.84	11.68	32.97	122	326	P	H
	*	5317	100.57	-	-	87.02	34.84	11.68	32.97	122	326	A	H
		5352.97	72.94	-1.06	74	59.52	34.89	11.71	33.18	122	326	P	H
		5350.11	51.56	-2.44	54	38.14	34.89	11.71	33.18	122	326	A	H
		5072.3	57.95	-16.05	74	44.36	34.52	11.46	32.39	108	28	P	V
		5140.7	44.65	-9.35	54	30.94	34.61	11.55	32.45	108	28	A	V
	*	5317	102.72	-	-	89.17	34.84	11.68	32.97	108	28	P	V
	*	5317	93.18	-	-	79.63	34.84	11.68	32.97	108	28	A	V
		5350.44	67.94	-6.06	74	54.52	34.89	11.71	33.18	108	28	P	V
		5350.88	46.61	-7.39	54	33.19	34.89	11.71	33.18	108	28	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10520	41.89	-32.11	74	47.86	37.32	16.49	59.78	100	0	P	H
		15780	49.81	-24.19	74	46.45	40.63	20.46	57.73	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	43.36	-30.64	74	49.33	37.32	16.49	59.78	100	0	P	V
5260MHz		15780	49.95	-24.05	74	46.59	40.63	20.46	57.73	100	0	P	V
													V
													V
		10600	43.08	-30.92	74	48.76	37.42	16.56	59.66	100	0	P	H
		15900	48.89	-25.11	74	45.25	40.78	20.52	57.66	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	43.84	-30.16	74	49.52	37.42	16.56	59.66	100	0	P	V
5300MHz		15900	47.95	-26.05	74	44.31	40.78	20.52	57.66	100	0	P	V
													V
													V
		10640	42.5	-31.5	74	48.04	37.47	16.6	59.61	100	0	P	H
		15960	48.31	-25.69	74	44.52	40.86	20.55	57.62	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	42.22	-31.78	74	47.76	37.47	16.6	59.61	100	0	P	V
5320MHz		15960	48.23	-25.77	74	44.44	40.86	20.55	57.62	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 CH 54 5270MHz		5150	62.64	-11.36	74	48.97	34.61	11.55	32.49	102	328	P	H
		5147	45.08	-8.92	54	31.41	34.61	11.55	32.49	102	328	A	H
	*	5270	107.12	-	-	93.46	34.77	11.65	32.76	102	328	P	H
	*	5270	97.66	-	-	84	34.77	11.65	32.76	102	328	A	H
		5359.02	64.38	-9.62	74	50.96	34.89	11.71	33.18	102	328	P	H
		5350.22	48.25	-5.75	54	34.83	34.89	11.71	33.18	102	328	A	H
		5134.4	58.83	-15.17	74	45.19	34.59	11.5	32.45	311	90	P	V
		5147.9	44.82	-9.18	54	31.15	34.61	11.55	32.49	311	90	A	V
	*	5270	103.32	-	-	89.66	34.77	11.65	32.76	311	90	P	V
	*	5270	92.78	-	-	79.12	34.77	11.65	32.76	311	90	A	V
		5374.2	60.67	-13.33	74	47.33	34.91	11.71	33.28	311	90	P	V
		5351.54	45.06	-8.94	54	31.64	34.89	11.71	33.18	311	90	A	V
802.11ac VHT40 CH 62 5310MHz		5139.05	60.04	-13.96	74	46.4	34.59	11.5	32.45	130	324	P	H
		5124.8	44.66	-9.34	54	31.02	34.59	11.5	32.45	130	324	A	H
	*	5312	105.06	-	-	91.51	34.84	11.68	32.97	130	324	P	H
	*	5312	94.8	-	-	81.25	34.84	11.68	32.97	130	324	A	H
		5350.33	72.35	-1.65	74	58.93	34.89	11.71	33.18	130	324	P	H
		5354.07	52.18	-1.82	54	38.76	34.89	11.71	33.18	130	324	A	H
		5143.1	57.39	-16.61	74	43.68	34.61	11.55	32.45	377	78	P	V
		5140.55	44.65	-9.35	54	30.94	34.61	11.55	32.45	377	78	A	V
	*	5308	100.98	-	-	87.45	34.82	11.68	32.97	377	78	P	V
	*	5308	90.53	-	-	77	34.82	11.68	32.97	377	78	A	V
		5350	65.12	-8.88	74	51.7	34.89	11.71	33.18	377	78	P	V
		5350.88	46.18	-7.82	54	32.76	34.89	11.71	33.18	377	78	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10540	43.22	-30.78	74	49.14	37.34	16.49	59.75	100	0	P	H
		15810	49.44	-24.56	74	46	40.67	20.48	57.71	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	42.93	-31.07	74	48.85	37.34	16.49	59.75	100	0	P	V
5270MHz		15810	49.67	-24.33	74	46.23	40.67	20.48	57.71	100	0	P	V
													V
													V
		10620	43.46	-30.54	74	49.09	37.44	16.56	59.63	100	0	P	H
		15930	47.98	-26.02	74	44.27	40.82	20.53	57.64	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	42.28	-31.72	74	47.91	37.44	16.56	59.63	100	0	P	V
5310MHz		15930	48.92	-25.08	74	45.21	40.82	20.53	57.64	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 58 5290MHz		5145.5	60.53	-13.47	74	46.86	34.61	11.55	32.49	100	333	P	H
		5149.4	47.68	-6.32	54	34.01	34.61	11.55	32.49	100	333	A	H
	*	5290	101.55	-	-	87.96	34.8	11.65	32.86	100	333	P	H
	*	5290	91.23	-	-	77.64	34.8	11.65	32.86	100	333	A	H
		5352.64	66.66	-7.34	74	53.24	34.89	11.71	33.18	100	333	P	H
		5350.99	52.76	-1.24	54	39.34	34.89	11.71	33.18	100	333	A	H
		5120.45	57.66	-16.34	74	44.05	34.56	11.5	32.45	361	81	P	V
		5146.7	46.59	-7.41	54	32.92	34.61	11.55	32.49	361	81	A	V
	*	5290	97.88	-	-	84.29	34.8	11.65	32.86	361	81	P	V
	*	5290	86.91	-	-	73.32	34.8	11.65	32.86	361	81	A	V
		5390.59	61.13	-12.87	74	47.73	34.94	11.74	33.28	361	81	P	V
		5377.06	47.52	-6.48	54	34.18	34.91	11.71	33.28	361	81	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10580	42.13	-31.87	74	47.89	37.4	16.52	59.68	100	0	P	H
		15870	47.93	-26.07	74	44.32	40.76	20.52	57.67	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	42.45	-31.55	74	48.21	37.4	16.52	59.68	100	0	P	V
5290MHz		15870	47.81	-26.19	74	44.2	40.76	20.52	57.67	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5467.12	67.55	-6.45	74	54.21	35.05	11.86	33.57	197	324	P	H
		5470	51.94	-2.06	54	38.6	35.05	11.86	33.57	197	324	A	H
	*	5503	107.89	-	-	94.61	35.1	11.92	33.74	197	324	P	H
	*	5503	98.33	-	-	85.05	35.1	11.92	33.74	197	324	A	H
													H
													H
		5463.44	63.5	-10.5	74	50.16	35.05	11.86	33.57	365	62	P	V
		5470	47.55	-6.45	54	34.21	35.05	11.86	33.57	365	62	A	V
	*	5498	104.4	-	-	91.1	35.1	11.86	33.66	365	62	P	V
	*	5498	94.64	-	-	81.34	35.1	11.86	33.66	365	62	A	V
													V
													V
802.11a CH 116 5580MHz		5391.12	57.76	-16.24	74	44.36	34.94	11.74	33.28	200	324	P	H
		5398.64	44.38	-9.62	54	30.96	34.96	11.74	33.28	200	324	A	H
	*	5583	107.24	-	-	94.06	35.15	12.04	34.01	200	324	P	H
	*	5583	98.19	-	-	85.01	35.15	12.04	34.01	200	324	A	H
		5729.56	58	-16	74	44.66	35.23	12.26	34.15	200	324	P	H
		5761.56	44.26	-9.74	54	30.87	35.26	12.33	34.2	200	324	A	H
		5398.64	57.38	-16.62	74	43.96	34.96	11.74	33.28	369	82	P	V
		5401.52	44.32	-9.68	54	31.01	34.96	11.74	33.39	369	82	A	V
	*	5580	106.21	-	-	93.1	35.14	11.98	34.01	369	82	P	V
	*	5580	96.22	-	-	83.11	35.14	11.98	34.01	369	82	A	V
		5729.24	57.57	-16.43	74	44.23	35.23	12.26	34.15	369	82	P	V
		5738.76	44.02	-9.98	54	30.69	35.24	12.26	34.17	369	82	A	V

802.11a CH 140 5700MHz	*	5698	105.83	-	-	92.56	35.21	12.18	34.12	110	300	P	H
	*	5698	96.5	-	-	83.23	35.21	12.18	34.12	110	300	A	H
		5726.84	70.43	-3.57	74	57.09	35.23	12.26	34.15	110	300	P	H
		5725.48	50.67	-3.33	54	37.33	35.23	12.26	34.15	110	300	A	H
													H
													H
	*	5697	103.85	-	-	90.58	35.21	12.18	34.12	351	118	P	V
	*	5697	93.8	-	-	80.53	35.21	12.18	34.12	351	118	A	V
		5725.48	68.36	-5.64	74	55.02	35.23	12.26	34.15	351	118	P	V
		5725.32	47.62	-6.38	54	34.28	35.23	12.26	34.15	351	118	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		11000	43.56	-30.44	74	47.82	37.9	16.94	59.1	100	0	P	H
		16500	48.99	-25.01	74	43.51	41.4	20.88	56.8	100	0	P	H
													H
													H
		11000	49.73	-24.27	74	53.99	37.9	16.94	59.1	100	0	P	V
		16500	49.81	-24.19	74	44.33	41.4	20.88	56.8	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	44.62	-29.38	74	48.21	38	17.08	58.67	100	0	P	H
		16740	50.24	-23.76	74	43.93	41.88	21.04	56.61	100	0	P	H
													H
													H
		11160	47.84	-26.16	74	51.43	38	17.08	58.67	100	0	P	V
		16740	50.07	-23.93	74	43.76	41.88	21.04	56.61	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	44.54	-29.46	74	47.15	38.14	17.31	58.06	100	0	P	H
		17100	50.65	-23.35	74	43.52	42.32	21.27	56.46	100	0	P	H
													H
													H
		11400	50.77	-23.23	74	53.38	38.14	17.31	58.06	100	0	P	V
		17100	50.44	-23.56	74	43.31	42.32	21.27	56.46	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5466.32	67.87	-6.13	74	54.53	35.05	11.86	33.57	198	324	P	H
		5469.84	49.17	-4.83	54	35.83	35.05	11.86	33.57	198	324	A	H
	*	5503	106.89	-	-	93.61	35.1	11.92	33.74	198	324	P	H
	*	5503	96.06	-	-	82.78	35.1	11.92	33.74	198	324	A	H
802.11n													H
HT20													H
CH 100		5468.72	65.52	-8.48	74	52.18	35.05	11.86	33.57	300	59	P	V
5500MHz		5470	47.3	-6.7	54	33.96	35.05	11.86	33.57	300	59	A	V
	*	5498	102.66	-	-	89.36	35.1	11.86	33.66	300	59	P	V
	*	5498	93.35	-	-	80.05	35.1	11.86	33.66	300	59	A	V
													V
													V
		5436.88	57.98	-16.02	74	44.65	35.01	11.8	33.48	200	320	P	H
		5383.12	44.77	-9.23	54	31.37	34.94	11.74	33.28	200	320	A	H
	*	5578	104.29	-	-	91.18	35.14	11.98	34.01	200	320	P	H
	*	5578	94.16	-	-	81.05	35.14	11.98	34.01	200	320	A	H
802.11n		5758.12	57.73	-16.27	74	44.34	35.26	12.33	34.2	200	320	P	H
HT20		5749.16	44.61	-9.39	54	31.21	35.24	12.33	34.17	200	320	A	H
CH 116		5464.4	57.37	-16.63	74	44.03	35.05	11.86	33.57	369	82	P	V
5580MHz		5401.2	44.93	-9.07	54	31.62	34.96	11.74	33.39	369	82	A	V
	*	5579	102.78	-	-	89.67	35.14	11.98	34.01	369	82	P	V
	*	5579	92.07	-	-	78.96	35.14	11.98	34.01	369	82	A	V
		5764.92	57.36	-16.64	74	43.97	35.26	12.33	34.2	369	82	P	V
		5756.76	44.48	-9.52	54	31.09	35.26	12.33	34.2	369	82	A	V

	*	5697	105.07	-	-	91.8	35.21	12.18	34.12	161	306	P	H
	*	5697	94.64	-	-	81.37	35.21	12.18	34.12	161	306	A	H
		5726.6	71.91	-2.09	74	58.57	35.23	12.26	34.15	161	306	P	H
		5725.24	51.3	-2.7	54	37.96	35.23	12.26	34.15	161	306	A	H
802.11n													H
HT20													H
CH 140	*	5703	102.01	-	-	88.65	35.22	12.26	34.12	100	28	P	V
5700MHz	*	5703	90.74	-	-	77.38	35.22	12.26	34.12	100	28	A	V
		5730.92	66.48	-7.52	74	53.16	35.23	12.26	34.17	100	28	P	V
		5725.24	49.1	-4.9	54	35.76	35.23	12.26	34.15	100	28	A	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11000	43.83	-30.17	74	48.09	37.9	16.94	59.1	100	0	P	H
		16500	49.12	-24.88	74	43.64	41.4	20.88	56.8	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	42.96	-31.04	74	47.22	37.9	16.94	59.1	100	0	P	V
5500MHz		16500	49.04	-24.96	74	43.56	41.4	20.88	56.8	100	0	P	V
													V
													V
		11160	45.31	-28.69	74	48.9	38	17.08	58.67	100	0	P	H
		16740	49.97	-24.03	74	43.66	41.88	21.04	56.61	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	47.08	-26.92	74	50.67	38	17.08	58.67	100	0	P	V
5580MHz		16740	50.7	-23.3	74	44.39	41.88	21.04	56.61	100	0	P	V
													V
													V
		11400	43.86	-30.14	74	46.47	38.14	17.31	58.06	100	0	P	H
		17100	50.32	-23.68	74	43.19	42.32	21.27	56.46	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	44.25	-29.75	74	46.86	38.14	17.31	58.06	100	0	P	V
5700MHz		17100	50.63	-23.37	74	43.5	42.32	21.27	56.46	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5469.84	69.59	-4.41	74	56.25	35.05	11.86	33.57	206	329	P	H
		5469.84	52.6	-1.4	54	39.26	35.05	11.86	33.57	206	329	A	H
	*	5507	100.95	-	-	87.67	35.1	11.92	33.74	206	329	P	H
	*	5507	90.4	-	-	77.12	35.1	11.92	33.74	206	329	A	H
802.11n		5748.84	57.24	-16.76	74	43.84	35.24	12.33	34.17	206	329	P	H
HT40		5763.96	44.69	-9.31	54	31.3	35.26	12.33	34.2	206	329	A	H
CH 102		5464.08	62.23	-11.77	74	48.89	35.05	11.86	33.57	100	28	P	V
5510MHz		5469.68	47.42	-6.58	54	34.08	35.05	11.86	33.57	100	28	A	V
	*	5512	96.46	-	-	83.18	35.1	11.92	33.74	100	28	P	V
	*	5512	85.39	-	-	72.11	35.1	11.92	33.74	100	28	A	V
		5750.76	57.19	-16.81	74	43.79	35.24	12.33	34.17	100	28	P	V
		5763.32	44.62	-9.38	54	31.23	35.26	12.33	34.2	100	28	A	V
		5469.68	63.73	-10.27	74	50.39	35.05	11.86	33.57	183	330	P	H
		5467.28	45.63	-8.37	54	32.29	35.05	11.86	33.57	183	330	A	H
	*	5554	103.09	-	-	89.9	35.13	11.98	33.92	183	330	P	H
	*	5554	92.42	-	-	79.23	35.13	11.98	33.92	183	330	A	H
802.11n		5746.6	57.69	-16.31	74	44.29	35.24	12.33	34.17	183	330	P	H
HT40		5753.16	44.76	-9.24	54	31.34	35.26	12.33	34.17	183	330	A	H
CH 110		5464.4	58.72	-15.28	74	45.38	35.05	11.86	33.57	100	29	P	V
5550MHz		5381.2	44.99	-9.01	54	31.59	34.94	11.74	33.28	100	29	A	V
	*	5550	98.71	-	-	85.43	35.13	11.98	33.83	100	29	P	V
	*	5550	88.6	-	-	75.32	35.13	11.98	33.83	100	29	A	V
		5749.08	57.24	-16.76	74	43.84	35.24	12.33	34.17	100	29	P	V
		5764.04	44.63	-9.37	54	31.24	35.26	12.33	34.2	100	29	A	V

802.11n HT40 CH 134 5670MHz		5401.36	58.05	-15.95	74	44.74	34.96	11.74	33.39	101	315	P	H
		5393.84	44.83	-9.17	54	31.43	34.94	11.74	33.28	101	315	A	H
	*	5663	102.19	-	-	88.91	35.19	12.18	34.09	101	315	P	H
	*	5663	91.59	-	-	78.31	35.19	12.18	34.09	101	315	A	H
		5725.64	64.07	-9.93	74	50.73	35.23	12.26	34.15	101	315	P	H
		5725	49.56	-4.44	54	36.22	35.23	12.26	34.15	101	315	A	H
		5370.32	57.18	-16.82	74	43.74	34.91	11.71	33.18	101	29	P	V
		5405.68	44.81	-9.19	54	31.5	34.96	11.74	33.39	101	29	A	V
	*	5672	99.75	-	-	86.46	35.2	12.18	34.09	101	29	P	V
	*	5672	88.58	-	-	75.29	35.2	12.18	34.09	101	29	A	V
		5727.64	62.31	-11.69	74	48.97	35.23	12.26	34.15	101	29	P	V
		5725.32	47.35	-6.65	54	34.01	35.23	12.26	34.15	101	29	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11020	43.45	-30.55	74	47.66	37.91	16.94	59.06	100	0	P	H
		16530	48.99	-25.01	74	43.38	41.47	20.91	56.77	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	43.94	-30.06	74	48.15	37.91	16.94	59.06	100	0	P	V
5510MHz		16530	48.79	-25.21	74	43.18	41.47	20.91	56.77	100	0	P	V
													V
													V
		11100	42.89	-31.11	74	46.76	37.96	17.01	58.84	100	0	P	H
		16650	47.9	-26.1	74	41.88	41.71	20.99	56.68	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	44.05	-29.95	74	47.92	37.96	17.01	58.84	100	0	P	V
5550MHz		16650	49.09	-24.91	74	43.07	41.71	20.99	56.68	100	0	P	V
													V
													V
		11340	44.57	-29.43	74	47.47	38.1	17.23	58.23	100	0	P	H
		17010	50.58	-23.42	74	43.38	42.39	21.22	56.41	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	46.51	-27.49	74	49.41	38.1	17.23	58.23	100	0	P	V
5670MHz		17010	49.66	-24.34	74	42.46	42.39	21.22	56.41	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5468.08	72.23	-1.77	74	58.89	35.05	11.86	33.57	141	322	P	H
		5470	50.23	-3.77	54	36.89	35.05	11.86	33.57	141	322	A	H
	*	5496	108.02	-	-	94.74	35.08	11.86	33.66	141	322	P	H
	*	5496	97.97	-	-	84.69	35.08	11.86	33.66	141	322	A	H
802.11ac		5755.16	57.69	-16.31	74	44.27	35.26	12.33	34.17	141	322	P	H
VHT20		5746.52	44.6	-9.4	54	31.2	35.24	12.33	34.17	141	322	A	H
CH 100		5463.12	64.97	-9.03	74	51.63	35.05	11.86	33.57	102	28	P	V
5500MHz		5469.68	46.25	-7.75	54	32.91	35.05	11.86	33.57	102	28	A	V
	*	5498	101.53	-	-	88.23	35.1	11.86	33.66	102	28	P	V
	*	5498	91.32	-	-	78.02	35.1	11.86	33.66	102	28	A	V
		5731.08	57.77	-16.23	74	44.45	35.23	12.26	34.17	102	28	P	V
		5755.64	44.75	-9.25	54	31.33	35.26	12.33	34.17	102	28	A	V
		5400.72	57.96	-16.04	74	44.65	34.96	11.74	33.39	138	322	P	H
		5398	44.95	-9.05	54	31.53	34.96	11.74	33.28	138	322	A	H
	*	5584	105.84	-	-	92.66	35.15	12.04	34.01	138	322	P	H
	*	5584	96.2	-	-	83.02	35.15	12.04	34.01	138	322	A	H
802.11ac		5762.36	58.23	-15.77	74	44.84	35.26	12.33	34.2	138	322	P	H
VHT20		5759.56	44.74	-9.26	54	31.35	35.26	12.33	34.2	138	322	A	H
CH 116		5388.72	57.28	-16.72	74	43.88	34.94	11.74	33.28	105	28	P	V
5580MHz		5390.64	44.86	-9.14	54	31.46	34.94	11.74	33.28	105	28	A	V
	*	5580	101.13	-	-	88.02	35.14	11.98	34.01	105	28	P	V
	*	5580	91.52	-	-	78.41	35.14	11.98	34.01	105	28	A	V
		5760.44	57.63	-16.37	74	44.24	35.26	12.33	34.2	105	28	P	V
		5751.4	44.75	-9.25	54	31.35	35.24	12.33	34.17	105	28	A	V

		5385.36	57.73	-16.27	74	44.33	34.94	11.74	33.28	129	315	P	H
		5392.88	44.91	-9.09	54	31.51	34.94	11.74	33.28	129	315	A	H
	*	5700	106.27	-	-	93	35.21	12.18	34.12	129	315	P	H
	*	5700	95.89	-	-	82.62	35.21	12.18	34.12	129	315	A	H
802.11ac		5727.4	71	-3	74	57.66	35.23	12.26	34.15	129	315	P	H
VHT20		5725	51.5	-2.5	54	38.16	35.23	12.26	34.15	129	315	A	H
CH 140		5386.64	57.33	-16.67	74	43.93	34.94	11.74	33.28	100	14	P	V
5700MHz		5394.48	45	-9	54	31.6	34.94	11.74	33.28	100	14	A	V
	*	5700	100.61	-	-	87.34	35.21	12.18	34.12	100	14	P	V
	*	5700	90.87	-	-	77.6	35.21	12.18	34.12	100	14	A	V
		5727.48	64.87	-9.13	74	51.53	35.23	12.26	34.15	100	14	P	V
		5725	47.71	-6.29	54	34.37	35.23	12.26	34.15	100	14	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11000	44.27	-29.73	74	48.53	37.9	16.94	59.1	100	0	P	H
		16500	48.36	-25.64	74	42.88	41.4	20.88	56.8	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	45.22	-28.78	74	49.48	37.9	16.94	59.1	100	0	P	V
5500MHz		16500	48.72	-25.28	74	43.24	41.4	20.88	56.8	100	0	P	V
													V
													V
		11160	45.89	-28.11	74	49.48	38	17.08	58.67	100	0	P	H
		16740	49.75	-24.25	74	43.44	41.88	21.04	56.61	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	46.48	-27.52	74	50.07	38	17.08	58.67	100	0	P	V
5580MHz		16740	49.79	-24.21	74	43.48	41.88	21.04	56.61	100	0	P	V
													V
													V
		11400	45.86	-28.14	74	48.47	38.14	17.31	58.06	100	0	P	H
		17100	50.09	-23.91	74	42.96	42.32	21.27	56.46	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	47.63	-26.37	74	50.24	38.14	17.31	58.06	100	0	P	V
5700MHz		17100	50.9	-23.1	74	43.77	42.32	21.27	56.46	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5470	68.36	-5.64	74	55.02	35.05	11.86	33.57	138	328	P	H
		5470	52.37	-1.63	54	39.03	35.05	11.86	33.57	138	328	A	H
	*	5508	100.08	-	-	86.8	35.1	11.92	33.74	138	328	P	H
	*	5508	90.25	-	-	76.97	35.1	11.92	33.74	138	328	A	H
802.11ac		5744.44	57.36	-16.64	74	43.96	35.24	12.33	34.17	138	328	P	H
VHT40		5758.52	45	-9	54	31.61	35.26	12.33	34.2	138	328	A	H
CH 102		5468.24	61.94	-12.06	74	48.6	35.05	11.86	33.57	366	69	P	V
5510MHz		5470	46.45	-7.55	54	33.11	35.05	11.86	33.57	366	69	A	V
	*	5508	96.47	-	-	83.19	35.1	11.92	33.74	366	69	P	V
	*	5508	86.35	-	-	73.07	35.1	11.92	33.74	366	69	A	V
		5750.92	57.66	-16.34	74	44.26	35.24	12.33	34.17	366	69	P	V
		5757.72	44.49	-9.51	54	31.1	35.26	12.33	34.2	366	69	A	V
		5467.44	63.99	-10.01	74	50.65	35.05	11.86	33.57	170	323	P	H
		5464.08	45.77	-8.23	54	32.43	35.05	11.86	33.57	170	323	A	H
	*	5554	103.64	-	-	90.45	35.13	11.98	33.92	170	323	P	H
	*	5554	93.34	-	-	80.15	35.13	11.98	33.92	170	323	A	H
802.11ac		5763.96	57.34	-16.66	74	43.95	35.26	12.33	34.2	170	323	P	H
VHT40		5746.84	44.59	-9.41	54	31.19	35.24	12.33	34.17	170	323	A	H
CH 110		5454.48	57.99	-16.01	74	44.73	35.03	11.8	33.57	297	69	P	V
5550MHz		5396.24	45.01	-8.99	54	31.59	34.96	11.74	33.28	297	69	A	V
	*	5552	99	-	-	85.81	35.13	11.98	33.92	297	69	P	V
	*	5552	88.98	-	-	75.79	35.13	11.98	33.92	297	69	A	V
		5731	57.82	-16.18	74	44.5	35.23	12.26	34.17	297	69	P	V
		5763.64	44.68	-9.32	54	31.29	35.26	12.33	34.2	297	69	A	V

		5387.92	58.33	-15.67	74	44.93	34.94	11.74	33.28	200	241	P	H
		5381.68	44.84	-9.16	54	31.44	34.94	11.74	33.28	200	241	A	H
	*	5667	102.98	-	-	89.69	35.2	12.18	34.09	200	241	P	H
	*	5667	93.34	-	-	80.05	35.2	12.18	34.09	200	241	A	H
802.11ac		5725.88	64.65	-9.35	74	51.31	35.23	12.26	34.15	200	241	P	H
VHT40		5725	48	-6	54	34.66	35.23	12.26	34.15	200	241	A	H
CH 134		5401.04	57.69	-16.31	74	44.38	34.96	11.74	33.39	300	120	P	V
5670MHz		5416.88	44.92	-9.08	54	31.59	34.98	11.74	33.39	300	120	A	V
	*	5668	99.25	-	-	85.96	35.2	12.18	34.09	300	120	P	V
	*	5668	88.64	-	-	75.35	35.2	12.18	34.09	300	120	A	V
		5726.92	60.05	-13.95	74	46.71	35.23	12.26	34.15	300	120	P	V
		5725.56	46.35	-7.65	54	33.01	35.23	12.26	34.15	300	120	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11020	43.39	-30.61	74	47.6	37.91	16.94	59.06	100	0	P	H
		16530	48.23	-25.77	74	42.62	41.47	20.91	56.77	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	44.3	-29.7	74	48.51	37.91	16.94	59.06	100	0	P	V
5510MHz		16530	48.41	-25.59	74	42.8	41.47	20.91	56.77	100	0	P	V
													V
													V
		11100	43.46	-30.54	74	47.33	37.96	17.01	58.84	100	0	P	H
		16650	48.7	-25.3	74	42.68	41.71	20.99	56.68	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	45.39	-28.61	74	49.26	37.96	17.01	58.84	100	0	P	V
5550MHz		16650	48.28	-25.72	74	42.26	41.71	20.99	56.68	100	0	P	V
													V
													V
		11340	45.17	-28.83	74	48.07	38.1	17.23	58.23	100	0	P	H
		17010	49.37	-24.63	74	42.17	42.39	21.22	56.41	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	46.87	-27.13	74	49.77	38.1	17.23	58.23	100	0	P	V
5670MHz		17010	49.8	-24.2	74	42.6	42.39	21.22	56.41	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 106 5530MHz		5460.08	64.9	-9.1	74	51.58	35.03	11.86	33.57	147	322	P	H
		5468.24	52.79	-1.21	54	39.45	35.05	11.86	33.57	147	322	A	H
	*	5530	97.65	-	-	84.45	35.11	11.92	33.83	147	322	P	H
	*	5530	86.27	-	-	73.07	35.11	11.92	33.83	147	322	A	H
		5727	57.27	-16.73	74	43.93	35.23	12.26	34.15	147	322	P	H
		5743.64	45.91	-8.09	54	32.51	35.24	12.33	34.17	147	322	A	H
		5466.16	60.14	-13.86	74	46.8	35.05	11.86	33.57	300	110	P	V
		5468.88	46.48	-7.52	54	33.14	35.05	11.86	33.57	300	110	A	V
	*	5530	92.34	-	-	79.14	35.11	11.92	33.83	300	110	P	V
	*	5530	82.22	-	-	69.02	35.11	11.92	33.83	300	110	A	V
		5747.24	57.23	-16.77	74	43.83	35.24	12.33	34.17	300	110	P	V
		5762.76	45.3	-8.7	54	31.91	35.26	12.33	34.2	300	110	A	V
802.11ac VHT80 CH 122 5610MHz		5407.12	58.29	-15.71	74	44.98	34.96	11.74	33.39	201	249	P	H
		5437.36	45.73	-8.27	54	32.4	35.01	11.8	33.48	201	249	A	H
	*	5610	100.35	-	-	87.19	35.16	12.04	34.04	201	249	P	H
	*	5610	88.82	-	-	75.66	35.16	12.04	34.04	201	249	A	H
		5745	57.49	-16.51	74	44.09	35.24	12.33	34.17	201	249	P	H
		5748.68	45.43	-8.57	54	32.03	35.24	12.33	34.17	201	249	A	H
		5407.92	57.13	-16.87	74	43.82	34.96	11.74	33.39	346	116	P	V
		5351.76	45.82	-8.18	54	32.4	34.89	11.71	33.18	346	116	A	V
	*	5610	94.74	-	-	81.58	35.16	12.04	34.04	346	116	P	V
	*	5610	84.68	-	-	71.52	35.16	12.04	34.04	346	116	A	V
		5759.96	58.04	-15.96	74	44.65	35.26	12.33	34.2	346	116	P	V
		5725.24	46.05	-7.95	54	32.71	35.23	12.26	34.15	346	116	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11060	43.34	-30.66	74	47.36	37.94	16.97	58.93	100	0	P	H
		16590	48.75	-25.25	74	42.95	41.57	20.96	56.73	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	43.68	-30.32	74	47.7	37.94	16.97	58.93	100	0	P	V
5530MHz		16590	48.64	-25.36	74	42.84	41.57	20.96	56.73	100	0	P	V
													V
													V
		11220	43.79	-30.21	74	47.18	38.03	17.12	58.54	100	0	P	H
		16830	48.63	-25.37	74	41.99	42.06	21.12	56.54	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	45.28	-28.72	74	48.67	38.03	17.12	58.54	100	0	P	V
5610MHz		16830	49.28	-24.72	74	42.64	42.06	21.12	56.54	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5720	108.85	-	-	95.51	35.23	12.26	34.15	139	314	P	H
	*	5720	98.37	-	-	85.03	35.23	12.26	34.15	139	314	A	H
													H
													H
													H
													H
	*	5720	107.25	-	-	93.91	35.23	12.26	34.15	384	89	P	V
	*	5720	96.66	-	-	83.32	35.23	12.26	34.15	384	89	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		11440	44.41	-29.59	74	46.87	38.16	17.35	57.97	100	0	P	H
		17160	50.51	-23.49	74	43.42	42.27	21.32	56.5	100	0	P	H
													H
													H
		11440	48.99	-25.01	74	51.45	38.16	17.35	57.97	100	0	P	V
		17160	50.73	-23.27	74	43.64	42.27	21.32	56.5	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	5720	106.16	-	-	92.82	35.23	12.26	34.15	155	312	P	H
	*	5720	94.5	-	-	81.16	35.23	12.26	34.15	155	312	A	H
													H
													H
802.11n													H
HT20													H
CH 144	*	5720	103.25	-	-	89.91	35.23	12.26	34.15	293	97	P	V
5720MHz	*	5720	91.29	-	-	77.95	35.23	12.26	34.15	293	97	A	V
													V
													V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11440	44.59	-29.41	74	47.05	38.16	17.35	57.97	100	0	P	H
		17160	50.22	-23.78	74	43.13	42.27	21.32	56.5	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	47.05	-26.95	74	49.51	38.16	17.35	57.97	100	0	P	V
5720MHz		17160	50.7	-23.3	74	43.61	42.27	21.32	56.5	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	5710	101.8	-	-	88.47	35.22	12.26	34.15	134	316	P	H
	*	5710	90.24	-	-	76.91	35.22	12.26	34.15	134	316	A	H
													H
													H
802.11n													H
HT40													H
CH 142	*	5710	101.55	-	-	88.22	35.22	12.26	34.15	368	74	P	V
5710MHz	*	5710	87.45	-	-	74.12	35.22	12.26	34.15	368	74	A	V
													V
													V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11420	44.21	-29.79	74	46.77	38.15	17.31	58.02	100	0	P	H
		17130	49.65	-24.35	74	42.54	42.29	21.3	56.48	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	45.43	-28.57	74	47.99	38.15	17.31	58.02	100	0	P	V
5710MHz		17130	50.77	-23.23	74	43.66	42.29	21.3	56.48	100	0	P	V
													V
													V

Remark	
	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	5716	105.17	-	-	91.84	35.22	12.26	34.15	150	307	P	H
	*	5716	95.51	-	-	82.18	35.22	12.26	34.15	150	307	A	H
													H
													H
802.11ac													H
VHT20													H
CH 144	*	5718	100.62	-	-	87.28	35.23	12.26	34.15	100	9	P	V
5720MHz	*	5718	90.37	-	-	77.03	35.23	12.26	34.15	100	9	A	V
													V
													V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11440	43.39	-30.61	74	45.85	38.16	17.35	57.97	100	0	P	H
		17160	50.04	-23.96	74	42.95	42.27	21.32	56.5	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	46.57	-27.43	74	49.03	38.16	17.35	57.97	100	0	P	V
5720MHz		17160	50.45	-23.55	74	43.36	42.27	21.32	56.5	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	5707	101.98	-	-	88.65	35.22	12.26	34.15	128	315	P	H
	*	5707	91.84	-	-	78.51	35.22	12.26	34.15	128	315	A	H
													H
													H
802.11ac													H
VHT40													H
CH 142	*	5710	97.37	-	-	84.04	35.22	12.26	34.15	100	21	P	V
5710MHz	*	5710	87.49	-	-	74.16	35.22	12.26	34.15	100	21	A	V
													V
													V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11420	43.42	-30.58	74	45.98	38.15	17.31	58.02	100	0	P	H
		17130	49.61	-24.39	74	42.5	42.29	21.3	56.48	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	44.43	-29.57	74	46.99	38.15	17.31	58.02	100	0	P	V
5710MHz		17130	50.69	-23.31	74	43.58	42.29	21.3	56.48	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	5690	98.27	-	-	85	35.21	12.18	34.12	102	318	P	H
	*	5690	87.49	-	-	74.22	35.21	12.18	34.12	102	318	A	H
													H
													H
802.11ac													H
VHT80													H
CH 138	*	5690	94.23	-	-	80.96	35.21	12.18	34.12	103	18	P	V
5690MHz	*	5690	83.51	-	-	70.24	35.21	12.18	34.12	103	18	A	V
													V
													V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11380	44.79	-29.21	74	47.49	38.13	17.27	58.1	100	0	P	H
		17070	50.52	-23.48	74	43.34	42.35	21.27	56.44	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	45.31	-28.69	74	48.01	38.13	17.27	58.1	100	0	P	V
5690MHz		17070	50.56	-23.44	74	43.38	42.35	21.27	56.44	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E Emission below 1GHz

WIFI 802.11n HT20 (LF @ 3m) (with adapter1)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 LF		43.5	29.76	-10.24	40	47.99	11.2	1.77	31.2	267	199	P	H
		59.97	27.55	-12.45	40	51.08	6	1.77	31.3			P	H
		207.93	31.99	-11.51	43.5	51.23	9.17	2.69	31.1			P	H
		487.6	20.37	-25.63	46	29.49	17.84	3.77	30.73			P	H
		610.8	22.76	-23.24	46	29.33	19.93	4.08	30.58			P	H
		769.7	25.02	-20.98	46	28.8	22.1	4.48	30.36			P	H
													H
													H
													H
													H
													H
													H
		30.54	32.59	-7.41	40	44	18.28	1.77	31.46			P	V
		36.21	32.17	-7.83	40	45.92	15.76	1.77	31.28			P	V
		45.93	34.57	-5.43	40	53.85	10.15	1.77	31.2	127	130	P	V
		413.4	29.23	-16.77	46	40.19	16.35	3.52	30.83			P	V
		783	26.81	-19.19	46	30.56	21.97	4.62	30.34			P	V
		832.7	26.78	-19.22	46	29.52	22.92	4.7	30.36			P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

15E band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m) (with adapter2)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5146.55	72.83	-1.17	74	59.16	34.61	11.55	32.49	163	322	P	H
		5150	52.33	-1.67	54	38.66	34.61	11.55	32.49	163	322	A	H
	*	5180	110.85	-	-	97.16	34.66	11.55	32.52	163	322	P	H
	*	5180	100.29	-	-	86.6	34.66	11.55	32.52	163	322	A	H
802.11n													H
HT20													H
CH 36		5150	69.88	-4.12	74	56.21	34.61	11.55	32.49	322	78	P	V
5180MHz		5149.85	49.99	-4.01	54	36.32	34.61	11.55	32.49	322	78	A	V
	*	5177	106.29	-	-	92.6	34.66	11.55	32.52	322	78	P	V
	*	5177	95.84	-	-	82.15	34.66	11.55	32.52	322	78	A	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m) (with adapter2)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10359	41.48	-32.52	74	47.83	37.22	16.34	59.91	100	0	P	H
		15540	47.2	-26.8	74	44.38	40.34	20.36	57.88	100	0	P	H
802.11n													H
HT20													H
CH 36		10359	41.58	-32.42	74	47.93	37.22	16.34	59.91	100	0	P	V
5180MHz		15540	46.51	-27.49	74	43.69	40.34	20.36	57.88	100	0	P	V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

15E Emission below 1GHz

WIFI 802.11n HT20 (LF @ 3m) (with adapter2)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 LF		79.41	32.14	-7.86	40	54.31	6.97	2.06	31.2			P	H
		102.36	35.68	-7.82	43.5	53.96	10.46	2.38	31.12	105	216	P	H
		158.52	35.24	-8.26	43.5	53.24	10.58	2.61	31.19			P	H
		434.4	28.26	-17.74	46	38.41	16.95	3.63	30.73			P	H
		520.5	28.81	-17.19	46	37.48	18.12	3.89	30.68			P	H
		911.1	28.39	-17.61	46	30.36	23.55	4.8	30.32			P	H
													H
													H
													H
													H
													H
													H
		75.36	38.24	-1.76	40	60.55	6.83	2.06	31.2	101	257	P	V
		170.13	37	-6.5	43.5	55.79	9.7	2.61	31.1			P	V
		266.52	22.14	-23.86	46	36.75	13.23	3.16	31			P	V
		428.1	29.27	-16.73	46	39.54	16.86	3.63	30.76			P	V
		747.3	26.75	-19.25	46	30.54	22.13	4.48	30.4			P	V
		874	29.64	-16.36	46	32.37	22.96	4.66	30.35			P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

15E band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m) (with adapter3)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5149.55	72.97	-1.03	74	59.3	34.61	11.55	32.49	163	322	P	H
		5150	52.59	-1.41	54	38.92	34.61	11.55	32.49	163	322	A	H
	*	5180	110.97	-	-	97.28	34.66	11.55	32.52	163	322	P	H
	*	5180	100.23	-	-	86.54	34.66	11.55	32.52	163	322	A	H
802.11n													H
HT20													H
CH 36		5146.55	68.11	-5.89	74	54.44	34.61	11.55	32.49	322	78	P	V
5180MHz		5149.55	50.17	-3.83	54	36.5	34.61	11.55	32.49	322	78	A	V
	*	5180	106.3	-	-	92.61	34.66	11.55	32.52	322	78	P	V
	*	5180	95.71	-	-	82.02	34.66	11.55	32.52	322	78	A	V
													V
													V

Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.

15E band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m) (with adapter3)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10360	41.57	-32.43	74	47.92	37.22	16.34	59.91	100	0	P	H
		15540	46.71	-27.29	74	43.89	40.34	20.36	57.88	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	41.24	-32.76	74	47.59	37.22	16.34	59.91	100	0	P	V
5180MHz		15540	46.51	-27.49	74	43.69	40.34	20.36	57.88	100	0	P	V
													V
													V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

15E Emission below 1GHz

WIFI 802.11n HT20 (LF @ 3m) (with adapter3)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 LF		79.68	35.66	-4.34	40	57.83	6.97	2.06	31.2	106	214	P	H
		148.8	34.08	-9.42	43.5	51.49	11.08	2.61	31.1			P	H
		242.76	33.2	-12.8	46	49.64	11.6	2.96	31			P	H
		342	31.08	-14.92	46	44.54	14.16	3.39	31.01			P	H
		510.7	34.8	-11.2	46	43.45	18.1	3.89	30.64			P	H
		902.7	30.06	-15.94	46	32.28	23.29	4.8	30.31			P	H
													H
													H
													H
													H
													H
													H
		76.98	33.33	-6.67	40	55.6	6.87	2.06	31.2	101	269	P	V
		149.07	28.54	-14.96	43.5	46.09	10.94	2.61	31.1			P	V
		241.95	31.6	-14.4	46	48.04	11.6	2.96	31			P	V
		401.5	35.58	-10.42	46	47.01	15.95	3.52	30.9			P	V
		563.2	31.31	-14.69	46	38.16	19.89	4.01	30.75			P	V
		861.4	27.54	-18.46	46	30.08	23.18	4.66	30.38			P	V
													V
													V
													V
													V
													V
													V

Remark	3. No other spurious found. 4. All results are PASS against limit line.

15E Emission below 1GHz

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency per 15.209(c).
!	Test result is **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBµV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBµV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBµV/m) – Limit Line(dBµV/m)

For Peak Limit @ 2390MHz:

1. Level(dBµV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBµV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBµV) – 35.86 (dB)

= 55.45 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 55.45(dBµV/m) – 74(dBµV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBµV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBµV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBµV) – 35.86 (dB)

= 43.54 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 43.54(dBµV/m) – 54(dBµV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is "PASS".