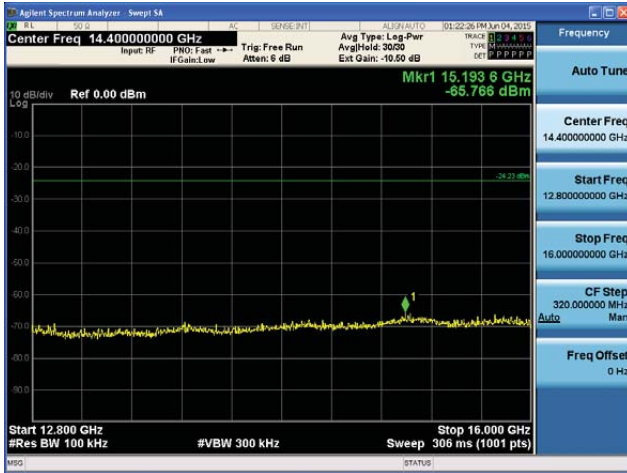
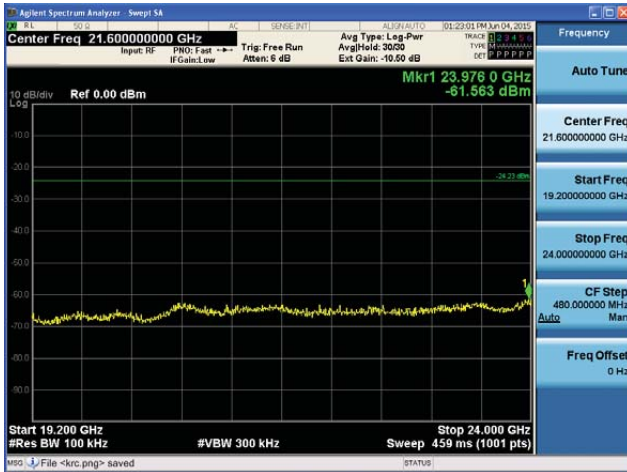
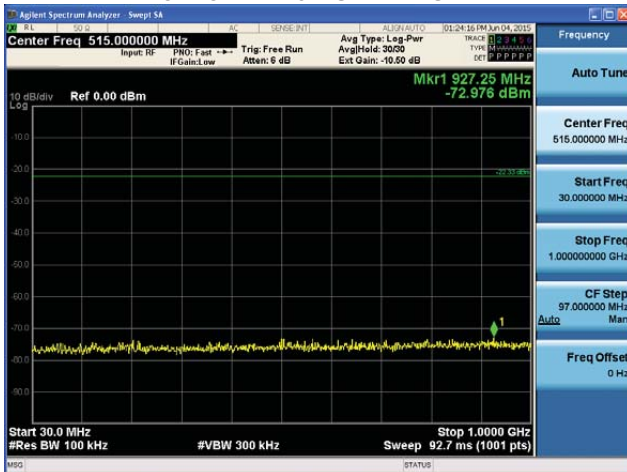




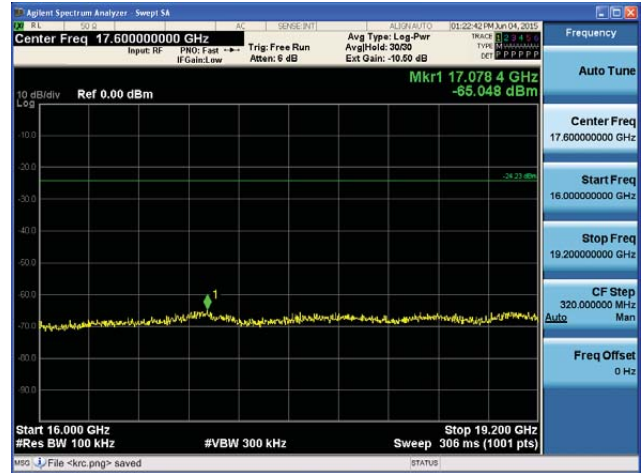
5745MHz 12.8GHz~16GHz



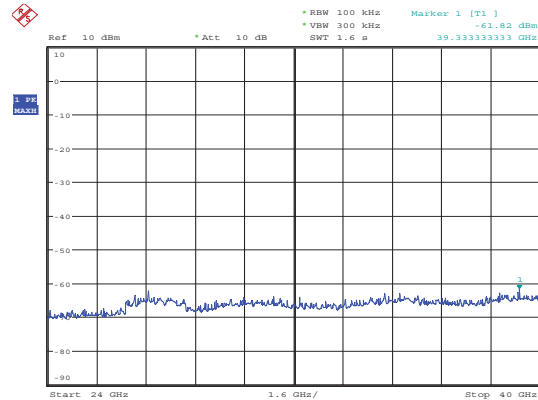
5745MHz 19.2GHz~24GHz



5785MHz 30MHz~1GHz



5745MHz 16GHz~19.2GHz



Date: 8 JUN 2015 17:51:43



5785MHz 1GHz~3GHz



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CTK Co., Ltd.

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, 449-100, Korea

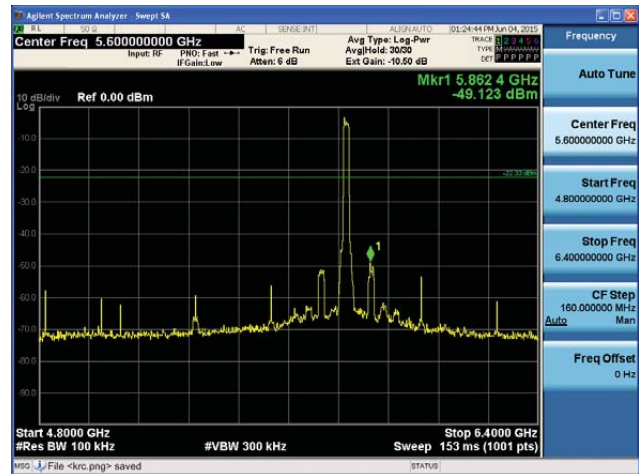
Tel: +82-31-339-9970

Fax: +82-31-624-9501

www.e-ctk.com



5785MHz 3GHz~4.8GHz



5785MHz 4.8GHz~6.4GHz



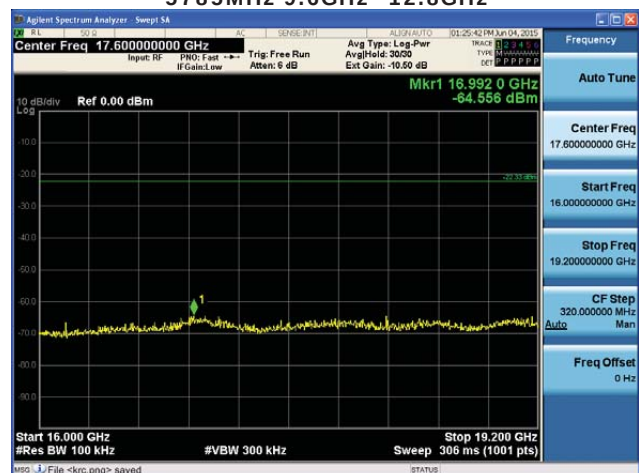
5785MHz 6.4GHz~9.6GHz



5785MHz 9.6GHz~12.8GHz



5785MHz 12.8GHz~16GHz



5785MHz 16GHz~19.2GHz



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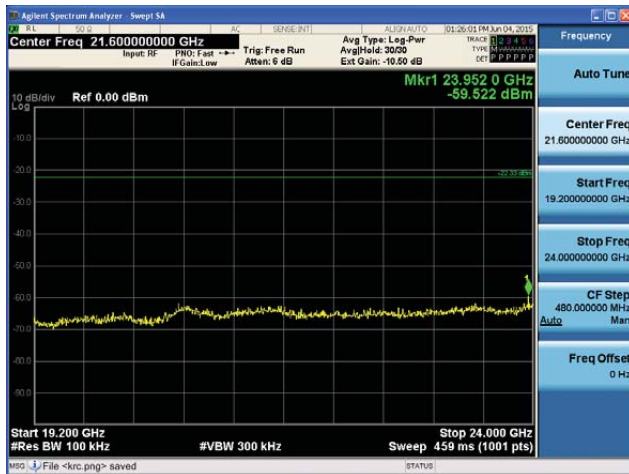
CTK Co., Ltd.

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, 449-100, Korea

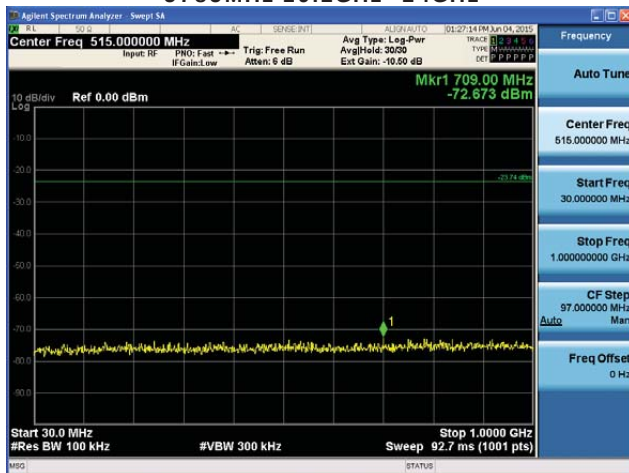
Tel: +82-31-339-9970

Fax: +82-31-624-9501

www.e-ctk.com



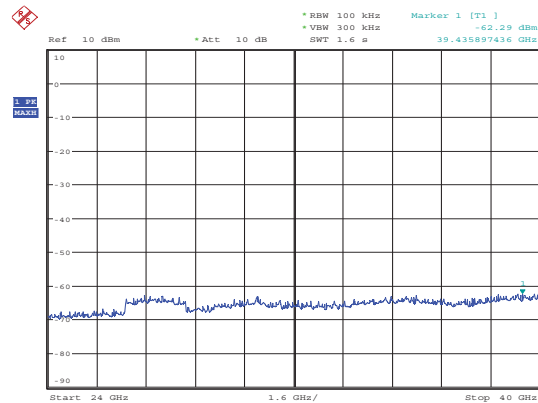
5785MHz 19.2GHz~24GHz



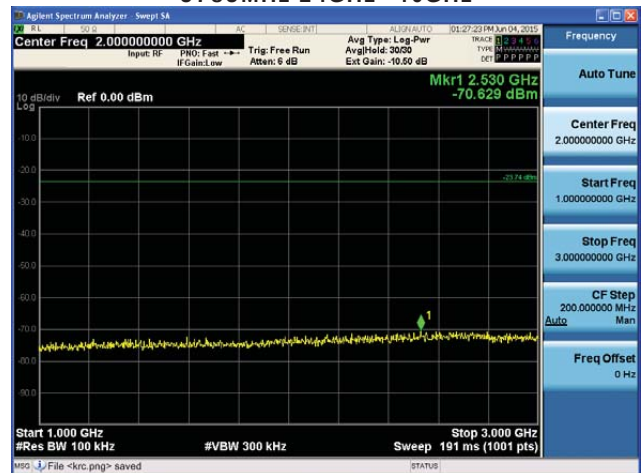
5825MHz 30MHz~1GHz



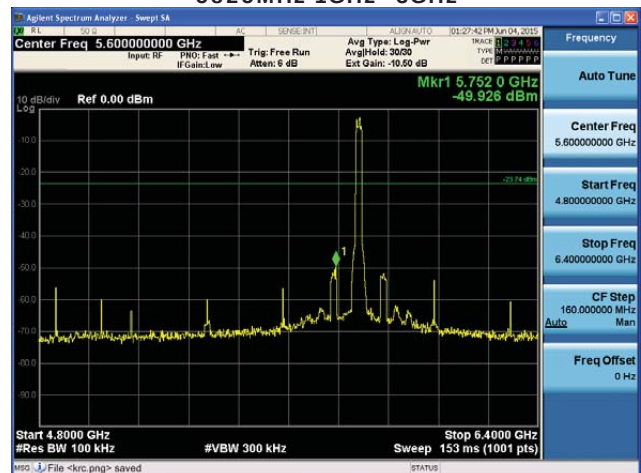
5825MHz 3GHz~4.8GHz



5785MHz 24GHz~40GHz



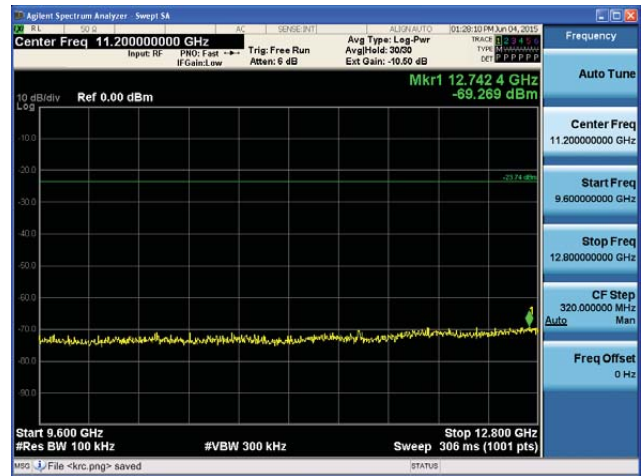
5825MHz 1GHz~3GHz



5825MHz 4.8GHz~6.4GHz



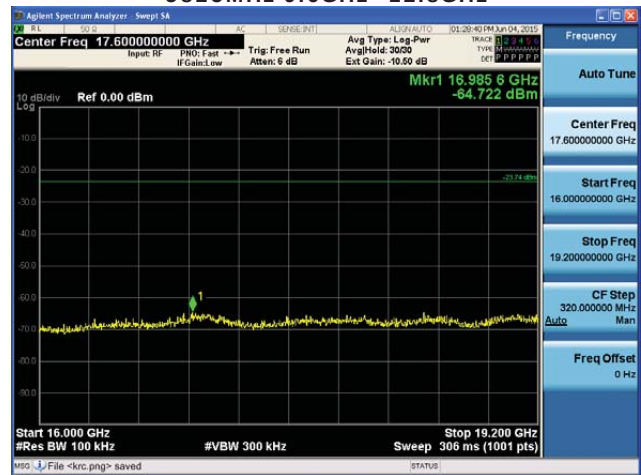
5825MHz 6.4GHz~9.6GHz



5825MHz 9.6GHz~12.8GHz



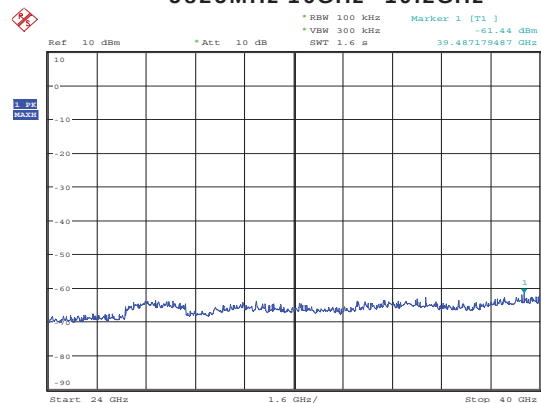
5825MHz 12.8GHz~16GHz



5825MHz 16GHz~19.2GHz



5825MHz 19.2GHz~24GHz



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5825MHz 24GHz~40GHz

2.1.8 Unwanted Emissions

Test Location

- ☒ 10 m SAC (test distance : ☐ 10 m, ☒ 3 m)
☒ 3 m SAC (test distance : 3 m)

Test Procedures

- 1) In the frequency range of 9 kHz to 30 MHz, magnetic field is measured with Loop Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.
- 2) In the frequency range above 30 MHz, Bi-Log Test Antenna(30 MHz to 1 GHz) and Horn Test Antenna(above 1 GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is carried from 1m to 4m above the ground to determine the maximum value of the field strength. The emissions levels at both horizontal and vertical polarizations should be tested.

The spectrum analyzer is set to:

Frequency Range = 9 kHz ~ 40 GHz

RBW = 1 MHz for $f \geq 1$ GHz, 120 kHz for $f < 1$ GHz, 9 kHz for $f < 30$ MHz

VBW $\geq$ RBW

Sweep = auto

Limit

- 15.209(a)

Frequency(MHz)	Field Strength uV/m@3m	Field Strength dBuV/m@3m	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	30
1.705-30	30	-	30
30-88	100**	40	3
88-216	150**	43.5	3
216-960	200**	46	3
Above 960	500	54	3

** Except as provided in 15.209(g).fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72MHz, 76-88MHz, 174-216MHz, 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g.15.231 and 15.241.

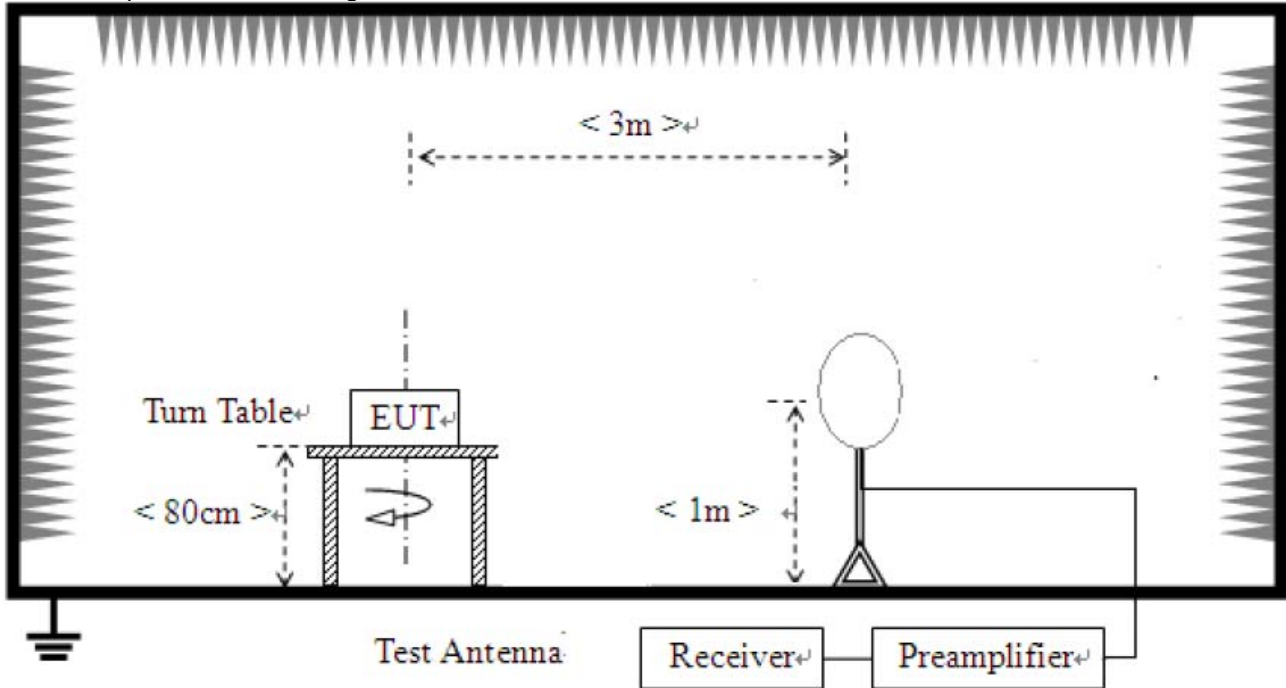
- 15.407, KDB 789033

E.I.R.P -27 dBm/MHz

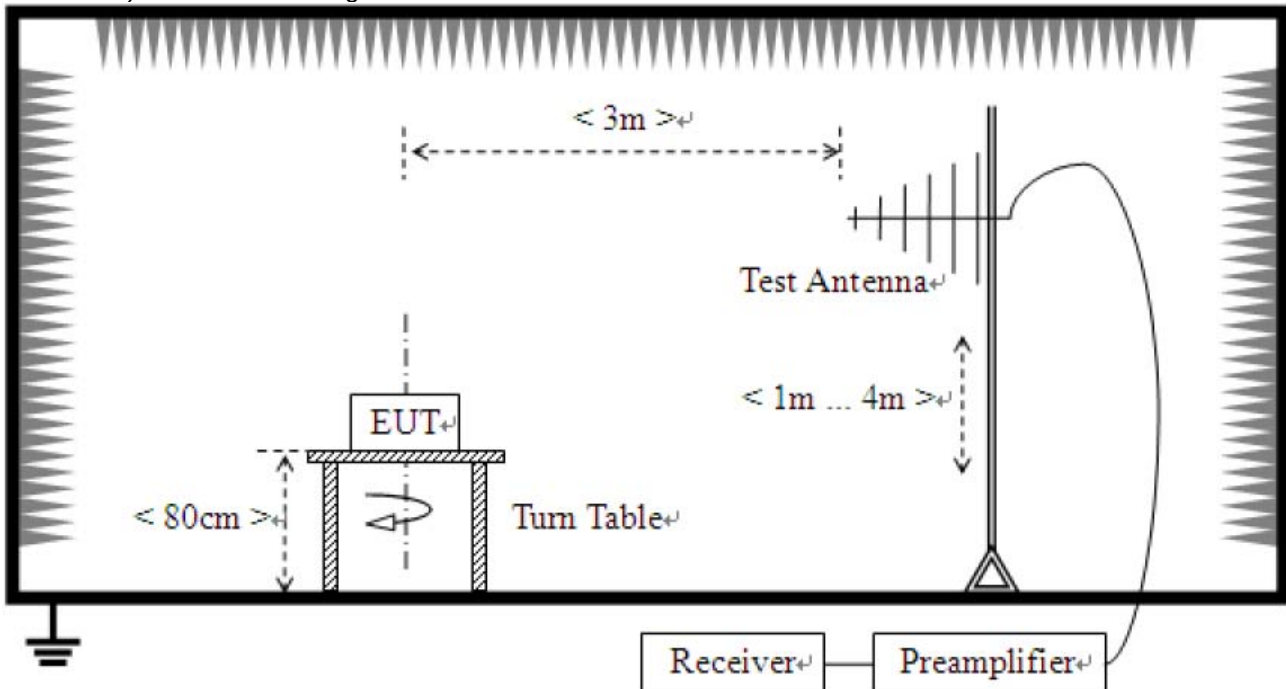
$E[dBuV/m] = EIRP[dBm] + 95.2$, for $d = 3m$

Test Setup:

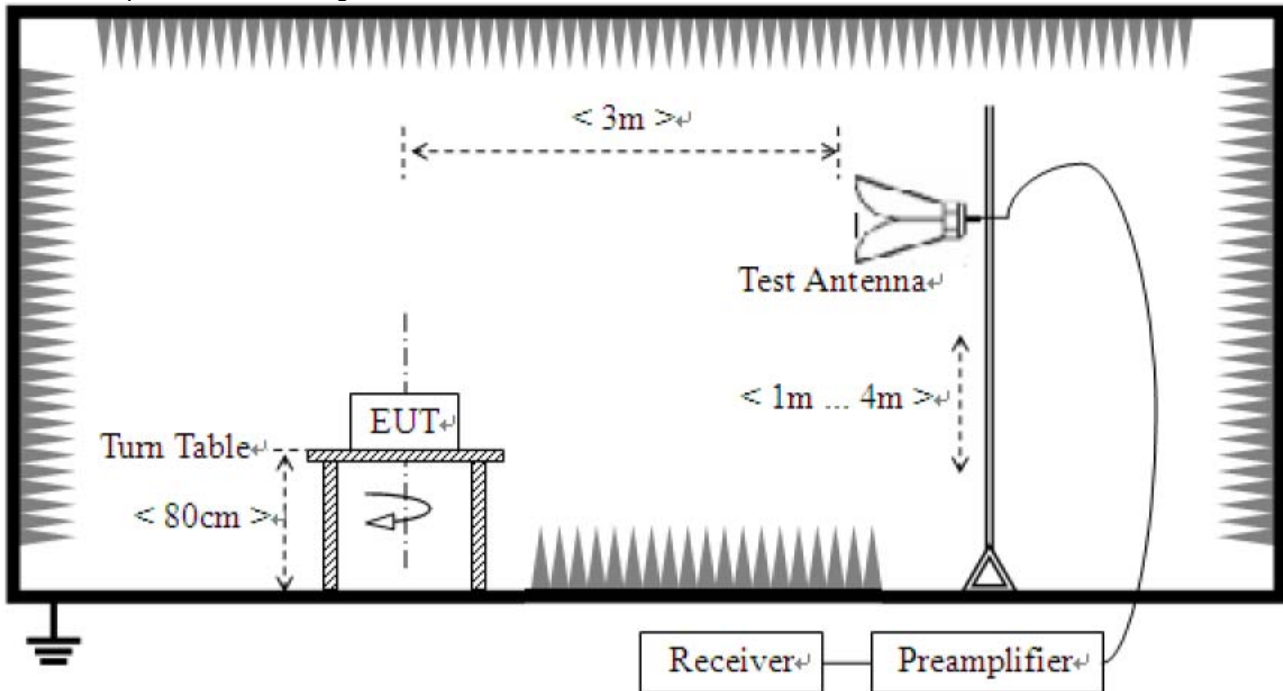
- 1) For field strength of emissions from 9 kHz to 30 MHz



- 2) For field strength of emissions from 30 MHz to 1 GHz



3) For field strength of emissions above 1 GHz



Test Mode

The worst-case antenna configuration are determined to be as follows for each mode.

802.11a, 802.11ac_VHT80 mode : ANT1 + ANT2 + ANT3

Test Results

1) 9 kHz to 30 MHz

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	9 kHz – 30 MHz
Test mode	802.11a, 802.11ac_VHT80	Detector function	Quasi-Peak

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBUV/m)	Margin (dB)	Remark
-	-	-	See note

Note :

The amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB)

2) 30 MHz to 1 GHz

Test mode : 802.11a

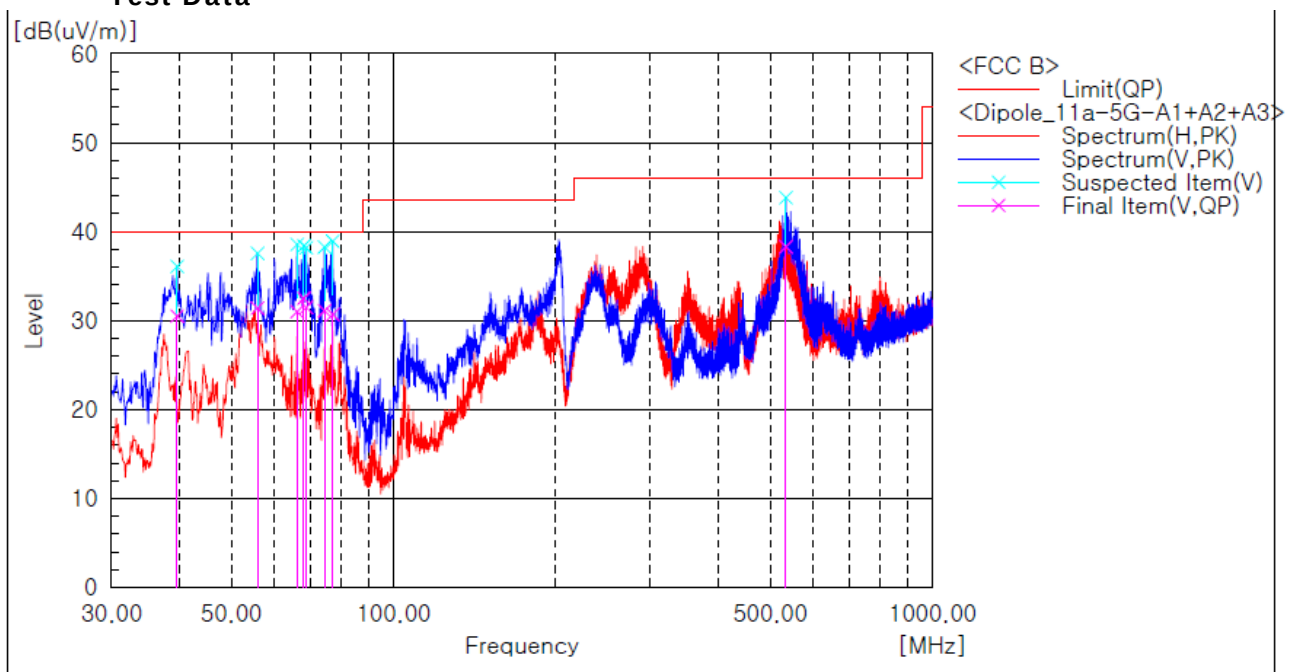
EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	Below 1000MHz
Configuration	Dipole ANT A1+A2+A3	Detector function	Quasi-Peak

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
68.194	32.5	7.5	Quasi-Peak

Test Data



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	39.700	V	43.1	-12.6	30.5	40.0	9.5	100.0	311.0
2	55.948	V	44.5	-13.1	31.4	40.0	8.6	100.0	311.0
3	66.254	V	45.1	-14.1	31.0	40.0	9.0	100.0	50.0
4	68.194	V	46.8	-14.3	32.5	40.0	7.5	100.0	87.0
5	68.921	V	45.9	-14.4	31.5	40.0	8.5	100.0	87.0
6	74.499	V	46.3	-15.2	31.1	40.0	8.9	100.0	87.0
7	77.166	V	46.3	-15.6	30.7	40.0	9.3	100.0	199.0
8	534.885	V	39.7	-1.4	38.3	46.0	7.7	100.0	124.0

Remark :

1. The field strength of spurious emission was measured in the following position: EUT and antenna stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(X axis) and the worst case was recorded.

Test mode : 802.11a

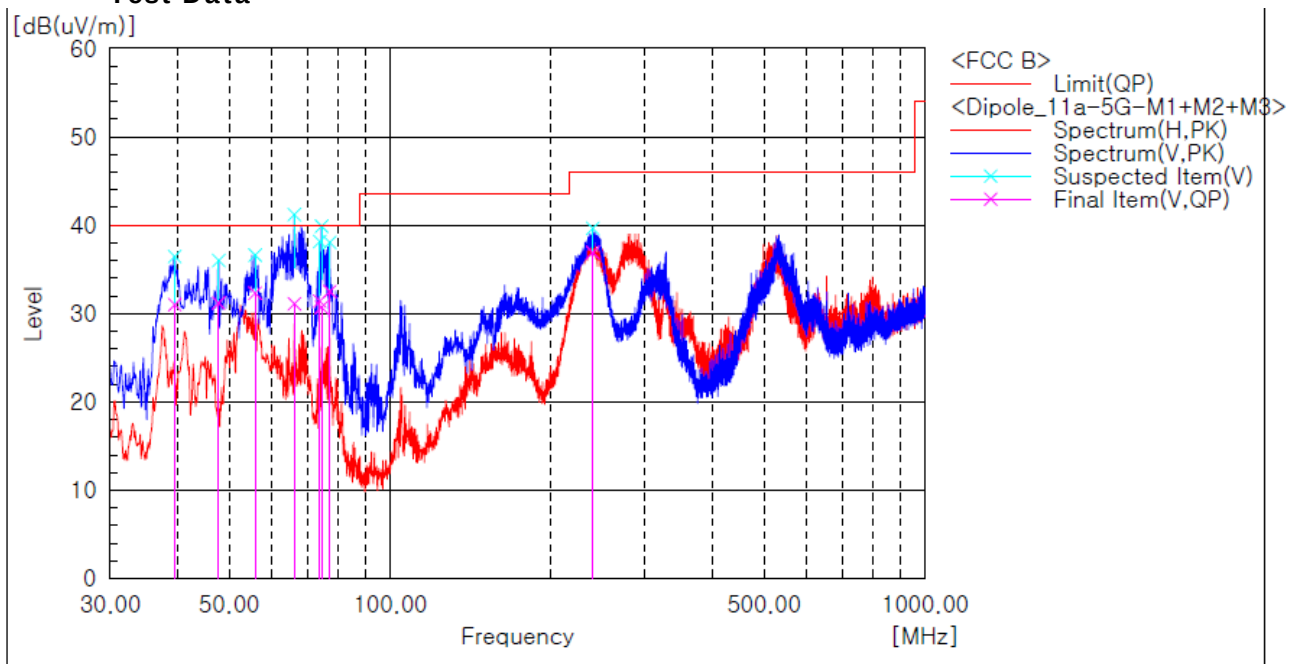
EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	Below 1000MHz
Configuration	Dipole ANT M1+M2+M3	Detector function	Quasi-Peak

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
77.166	32.5	7.5	Quasi-Peak

Test Data



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	39.579	V	43.6	-12.6	31.0	40.0	9.0	100.0	273.0
2	47.824	V	43.9	-12.7	31.2	40.0	8.8	100.0	162.0
3	55.948	V	45.4	-13.1	32.3	40.0	7.7	100.0	0.0
4	66.254	V	45.2	-14.1	31.1	40.0	8.9	100.0	124.0
5	73.893	V	46.5	-15.1	31.4	40.0	8.6	100.0	124.0
6	74.499	V	45.9	-15.2	30.7	40.0	9.3	100.0	162.0
7	77.166	V	48.1	-15.6	32.5	40.0	7.5	100.0	273.0
8	239.278	V	48.1	-11.2	36.9	46.0	9.1	100.0	311.0

Remark :

1. The field strength of spurious emission was measured in the following position: EUT and antenna stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(X axis) and the worst case was recorded.

Test mode : 802.11ac_VHT80

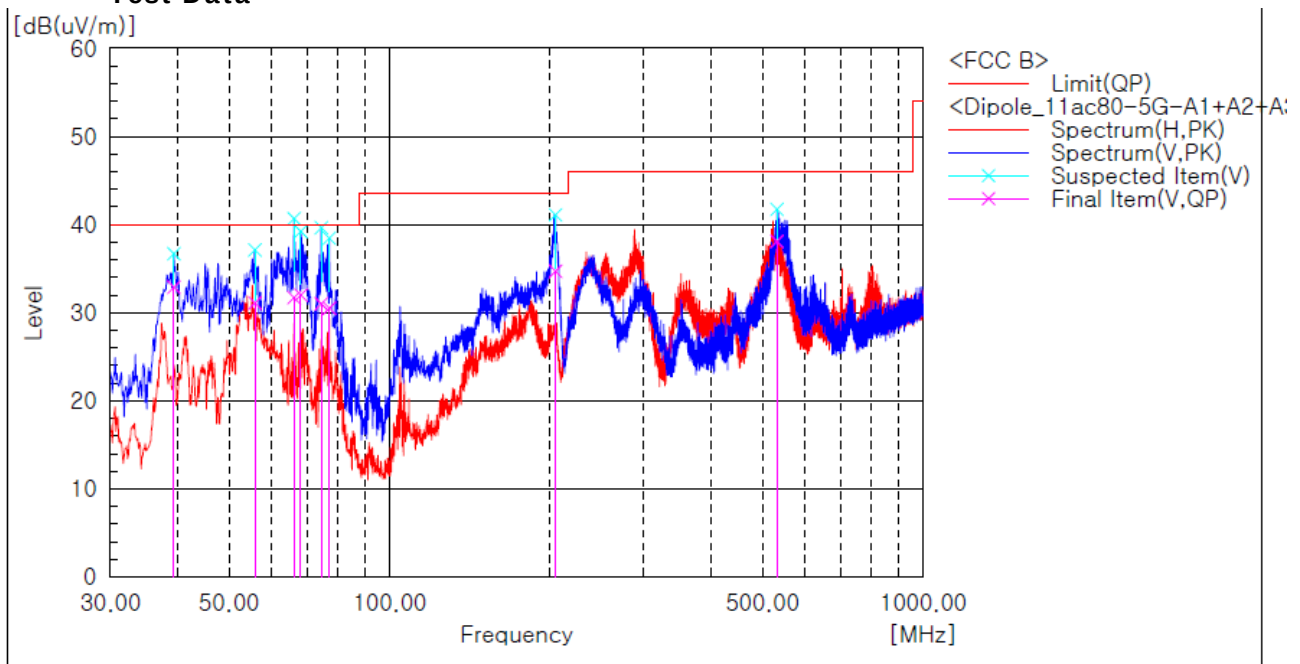
EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	Below 1000MHz
Configuration	Dipole ANT A1+A2+A3	Detector function	Quasi-Peak

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
39.458	32.9	7.1	Quasi-Peak

Test Data



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	39.458	V	45.6	-12.7	32.9	40.0	7.1	100.0	309.0
2	55.948	V	44.2	-13.1	31.1	40.0	8.9	100.0	309.0
3	66.254	V	45.8	-14.1	31.7	40.0	8.3	100.0	122.0
4	68.194	V	46.3	-14.3	32.0	40.0	8.0	100.0	85.0
5	74.499	V	46.2	-15.2	31.0	40.0	9.0	100.0	122.0
6	77.166	V	46.1	-15.6	30.5	40.0	9.5	100.0	48.0
7	204.843	V	48.2	-13.5	34.7	43.5	8.8	100.0	48.0
8	532.339	V	39.6	-1.5	38.1	46.0	7.9	100.0	85.0

Remark :

1. The field strength of spurious emission was measured in the following position: EUT and antenna stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(X axis) and the worst case was recorded.

Test mode : 802.11a

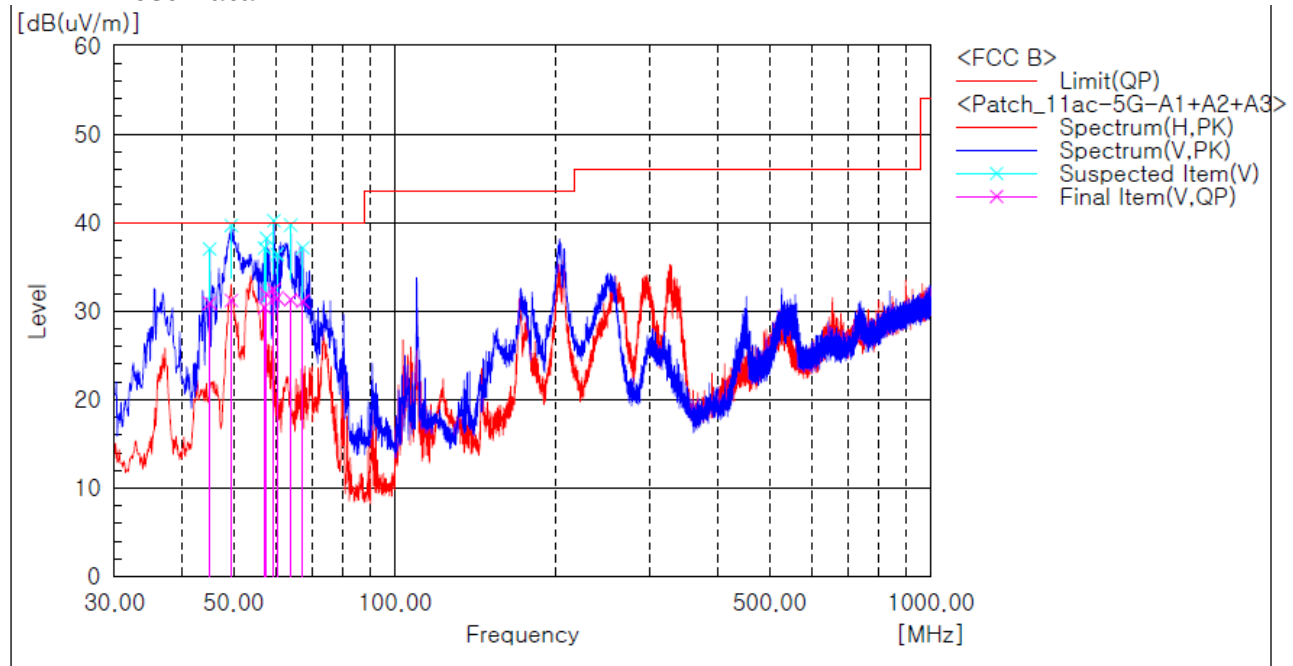
EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	Below 1000MHz
Configuration	Patch ANT A1+A2+A3	Detector function	Quasi-Peak

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
59.464	32.4	7.6	Quasi-Peak

Test Data



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	45.156	V	43.5	-12.6	30.9	40.0	9.1	100.0	122.0
2	49.521	V	43.9	-12.7	31.2	40.0	8.8	100.0	11.0
3	57.160	V	43.7	-13.3	30.4	40.0	9.6	100.0	197.0
4	57.645	V	45.2	-13.3	31.9	40.0	8.1	100.0	234.0
5	59.464	V	45.9	-13.5	32.4	40.0	7.6	100.0	122.0
6	60.313	V	45.1	-13.6	31.5	40.0	8.5	100.0	234.0
7	63.950	V	45.2	-13.9	31.3	40.0	8.7	100.0	48.0
8	67.345	V	45.3	-14.2	31.1	40.0	8.9	100.0	309.0

Remark :

1. The field strength of spurious emission was measured in the following position: EUT and antenna stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(X axis) and the worst case was recorded.

Test mode : 802.11a

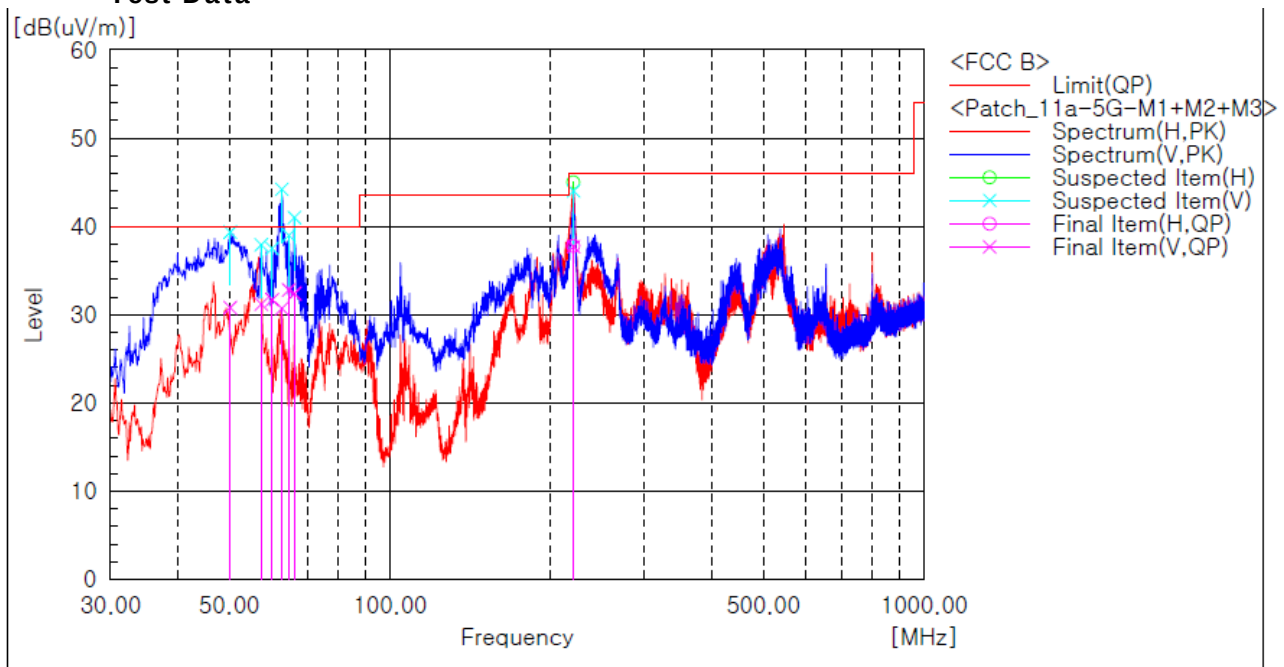
EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	Below 1000MHz
Configuration	Patch ANT M1+M2+M3	Detector function	Quasi-Peak

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
64.678	32.8	7.2	Quasi-Peak

Test Data



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	50.249	V	43.6	-12.8	30.8	40.0	9.2	100.0	233.0
2	57.403	V	44.5	-13.3	31.2	40.0	8.8	100.0	233.0
3	60.191	V	45.3	-13.6	31.7	40.0	8.3	100.0	9.0
4	62.738	V	44.5	-13.8	30.7	40.0	9.3	100.0	84.0
5	64.678	V	46.8	-14.0	32.8	40.0	7.2	100.0	9.0
6	66.254	V	46.5	-14.1	32.4	40.0	7.6	100.0	84.0
7	220.484	H	50.4	-12.6	37.8	46.0	8.2	100.0	165.0
8	220.726	V	50.3	-12.6	37.7	46.0	8.3	195.0	239.0

Remark :

1. The field strength of spurious emission was measured in the following position: EUT and antenna stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(X axis) and the worst case was recorded.

Test mode : 802.11ac_VHT80

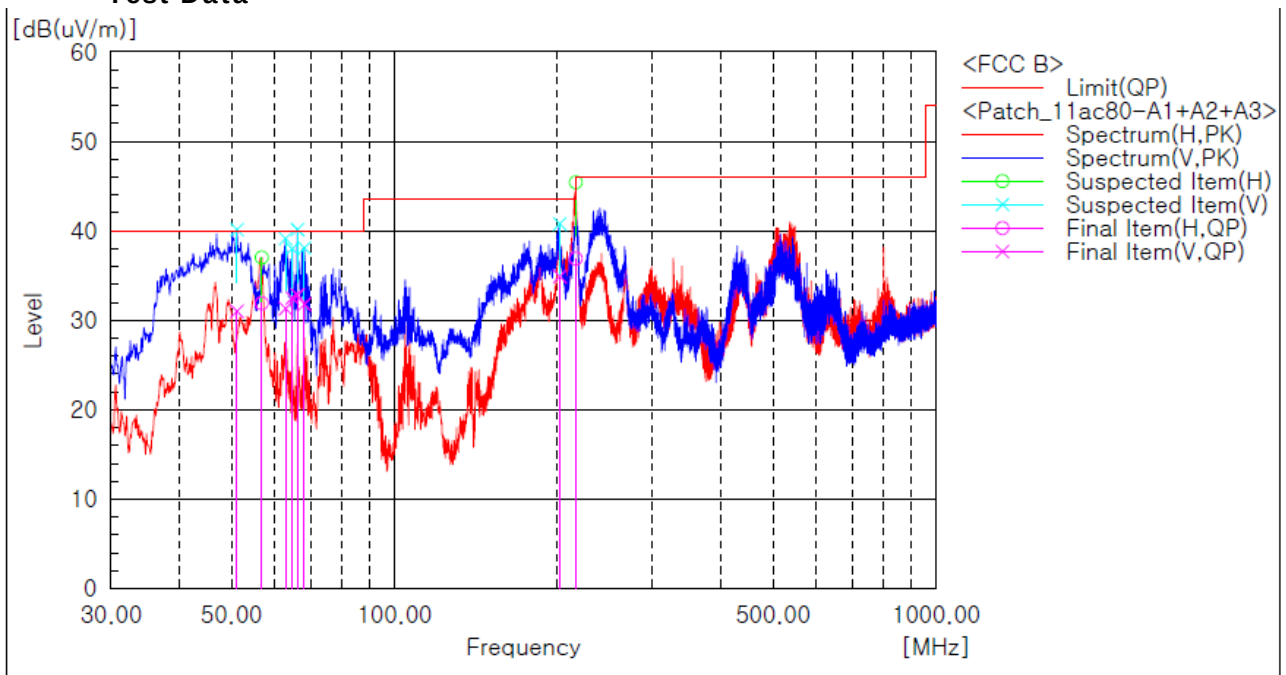
EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	Below 1000MHz
Configuration	Patch ANT A1+A2+A3	Detector function	Quasi-Peak

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
66.254	32.8	7.2	Quasi-Peak

Test Data



Final Result

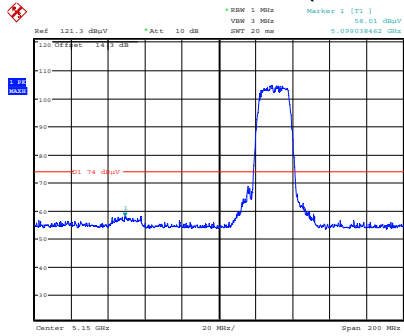
No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	51.219	V	43.8	-12.8	31.0	40.0	9.0	100.0	197.0
2	56.918	H	45.2	-13.3	31.9	40.0	8.1	400.0	0.0
3	62.980	V	45.1	-13.8	31.3	40.0	8.7	100.0	10.0
4	64.799	V	46.5	-14.0	32.5	40.0	7.5	100.0	85.0
5	66.254	V	46.9	-14.1	32.8	40.0	7.2	100.0	85.0
6	68.194	V	46.1	-14.3	31.8	40.0	8.2	100.0	85.0
7	202.054	V	48.4	-13.5	34.9	43.5	8.6	100.0	0.0
8	216.361	H	49.8	-12.9	36.9	46.0	9.1	100.0	164.0

Remark :

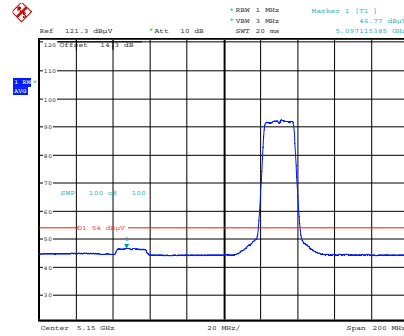
1. The field strength of spurious emission was measured in the following position: EUT and antenna stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(X axis) and the worst case was recorded.

3) Radiated Band Edge and Spurious Emissions Measurements

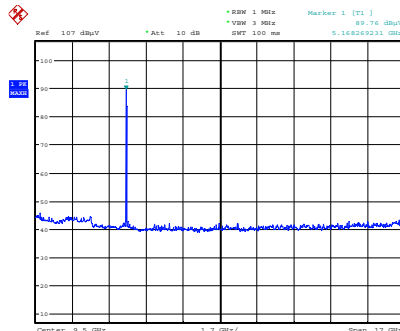
Dipole ANT : A1 + A2 + A3 (802.11a)



Date: 5.JUN.2015 14:50:31

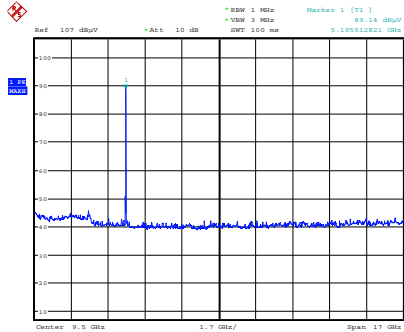


Date: 5.JUN.2015 14:51:35

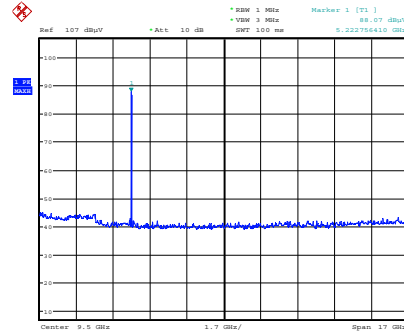


Date: 5.JUN.2015 14:49:33

802.11a_5180 MHz

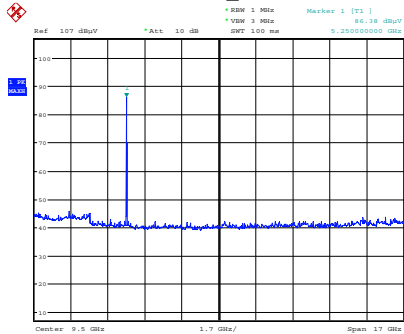


Date: 5.JUN.2015 14:52:27



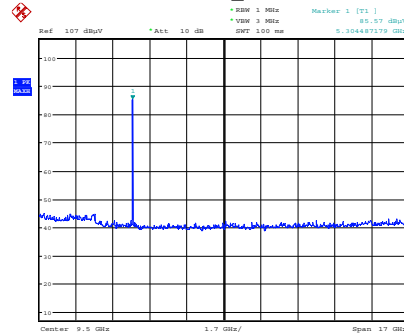
Date: 5.JUN.2015 14:53:16

802.11a_5200 MHz



Date: 5.JUN.2015 14:54:26

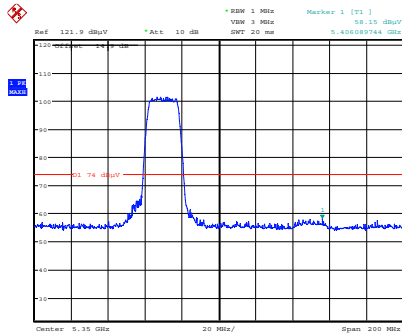
802.11a_5240 MHz



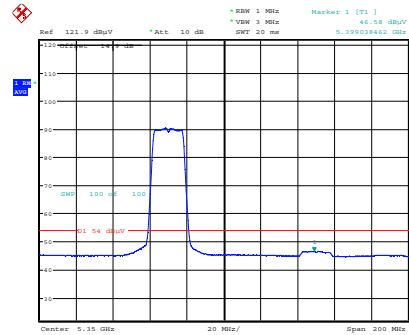
Date: 5.JUN.2015 14:55:23

802.11a_5260 MHz

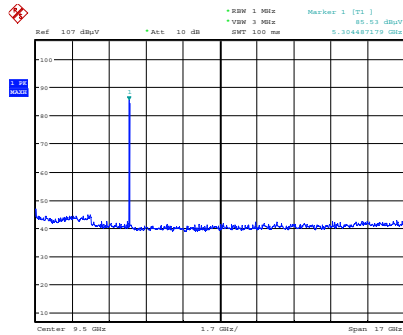
802.11a_5300 MHz



Date: 5.JUN.2015 14:57:32

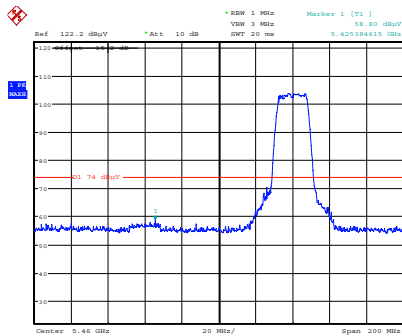


Date: 5.JUN.2015 14:58:54

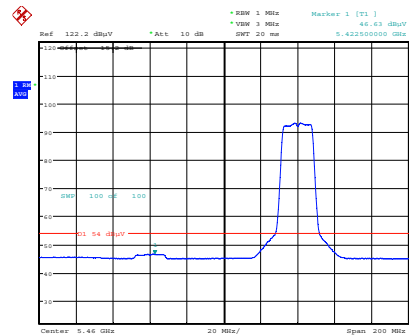


Date: 5.JUN.2015 14:56:11

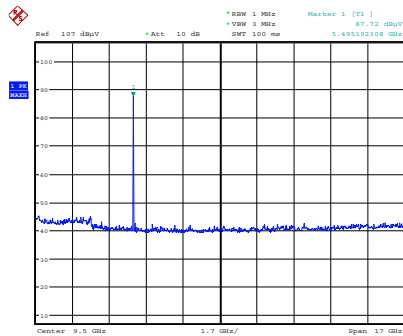
802.11a_5320 MHz



Date: 5.JUN.2015 15:00:59

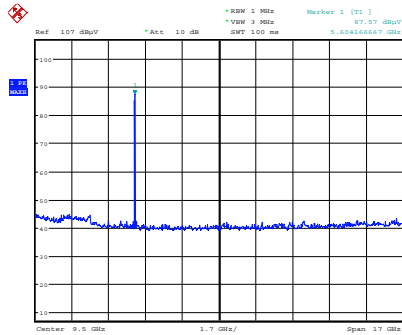


Date: 5.JUN.2015 15:02:26

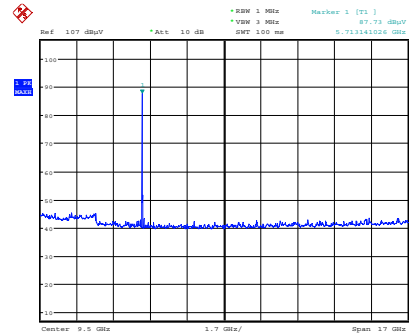


Date: 5.JUN.2015 14:59:59

802.11a_5500 MHz

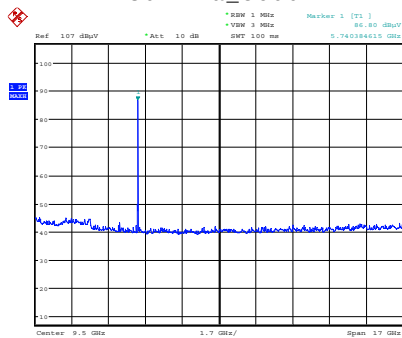


Date: 5.JUN.2015 15:14:25



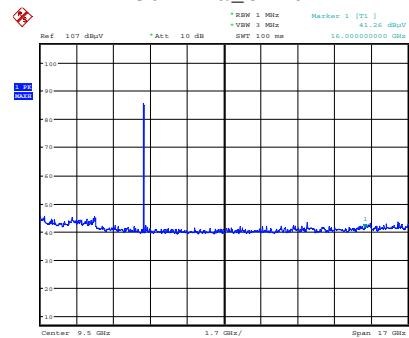
Date: 5.JUN.2015 15:16:22

802.11a_5600 MHz



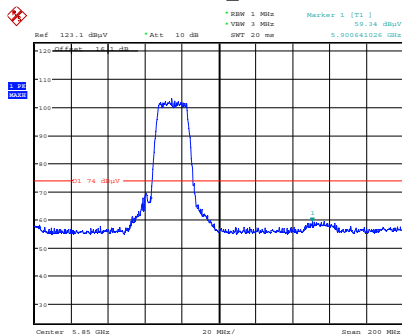
Date: 5.JUN.2015 15:18:11

802.11a_5720 MHz



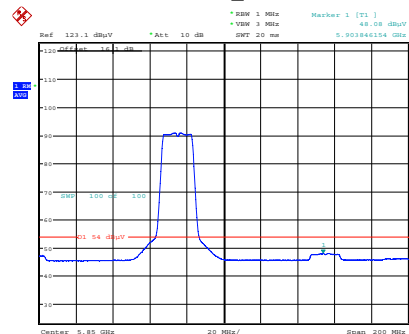
Date: 5.JUN.2015 15:24:13

802.11a_5745 MHz

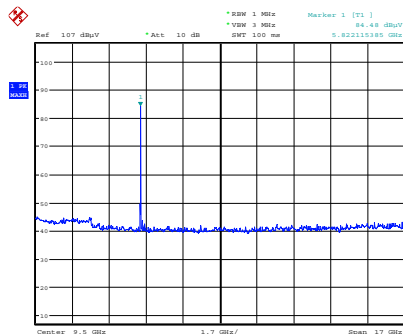


Date: 5.JUN.2015 15:55:13

802.11a_5785 MHz



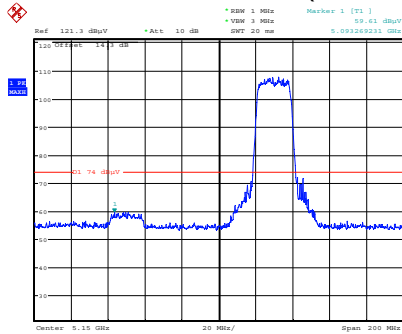
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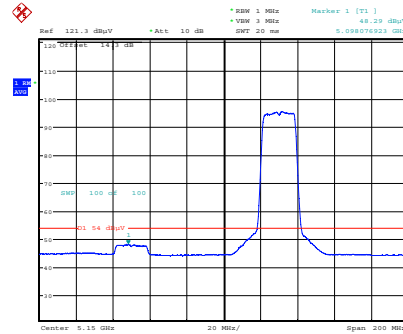
Date: 5.JUN.2015 15:56:06

802.11a_5825 MHz

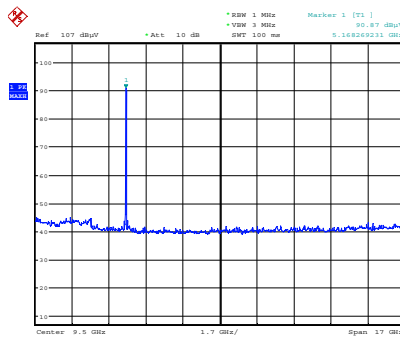
Dipole ANT : A1 + A2 + A3 (802.11n_HT20)



Date: 5.JUN.2015 15:58:49

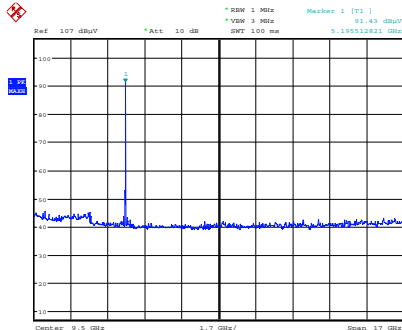


Date: 5.JUN.2015 16:00:29

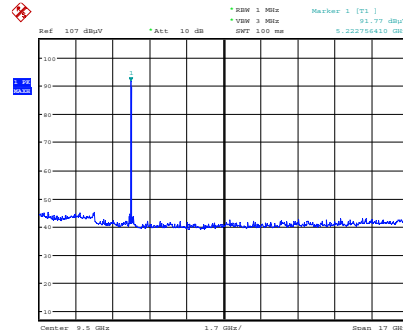


Date: 5.JUN.2015 15:58:04

802.11n_HT20_5180 MHz

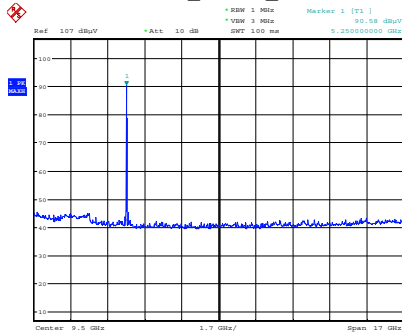


Date: 5.JUN.2015 16:01:24



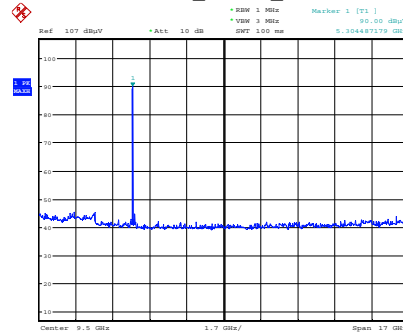
Date: 5.JUN.2015 16:03:59

802.11n_HT20_5200 MHz



Date: 5.JUN.2015 16:05:31

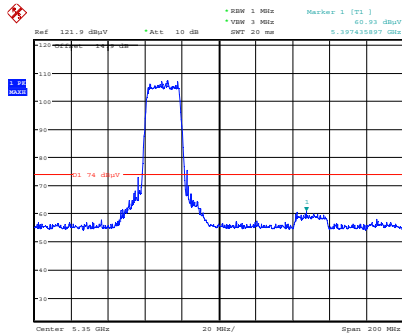
802.11n_HT20_5240 MHz



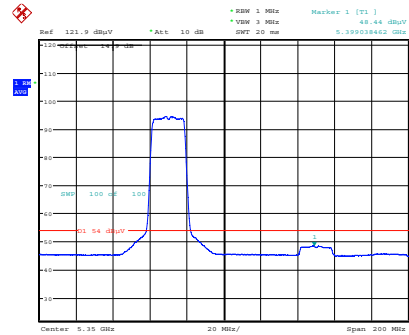
Date: 5.JUN.2015 16:06:28

802.11n_HT20_5260 MHz

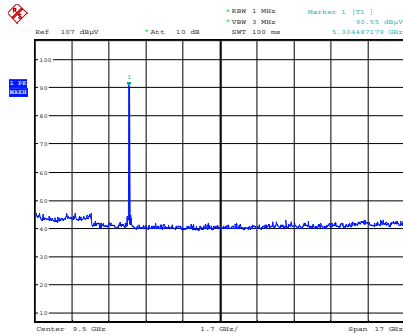
802.11n_HT20_5300 MHz



Date: 5.JUN.2015 16:08:42

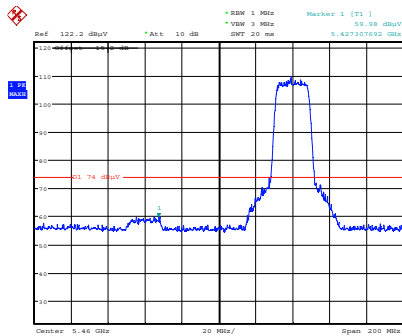


Date: 5.JUN.2015 16:09:51

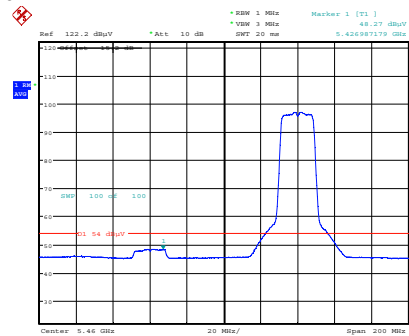


Date: 5.JUN.2015 16:07:37

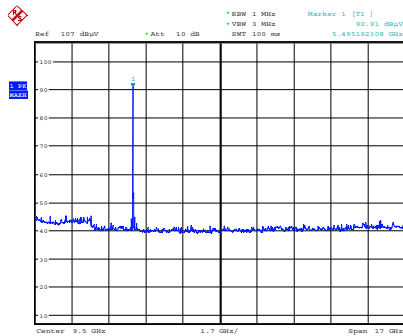
802.11n_HT20_5320 MHz



Date: 5.JUN.2015 16:12:03

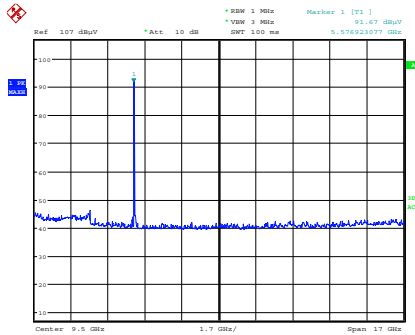


Date: 5.JUN.2015 16:13:10



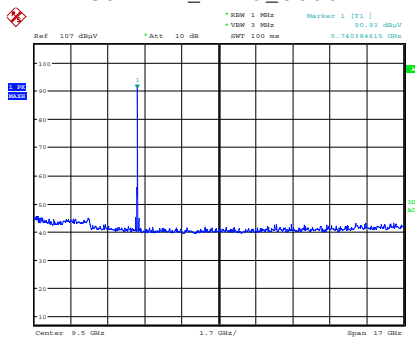
Date: 5.JUN.2015 16:10:44

802.11n_HT20_5500 MHz



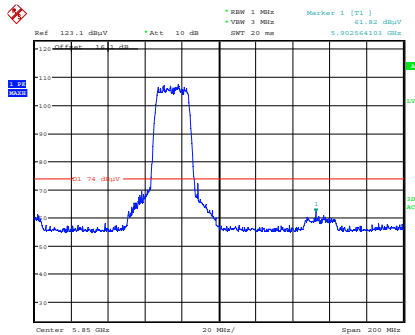
Date: 5.JUN.2015 16:14:28

802.11n_HT20_5600 MHz

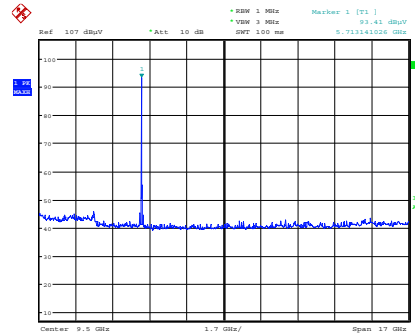


Date: 5.JUN.2015 16:17:19

802.11n_HT20_5745 MHz

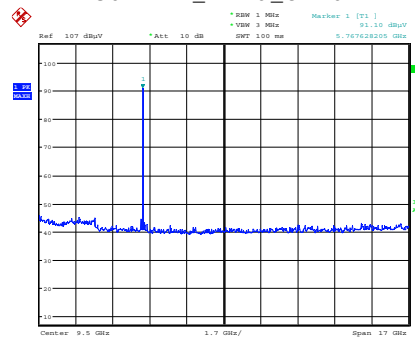


Date: 5.JUN.2015 16:20:39



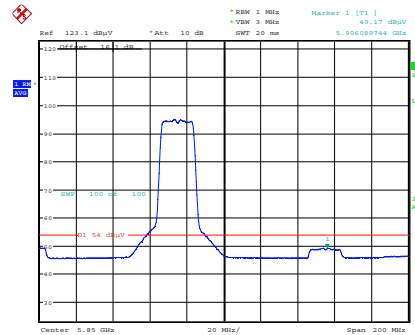
Date: 5.JUN.2015 16:16:01

802.11n_HT20_5720 MHz

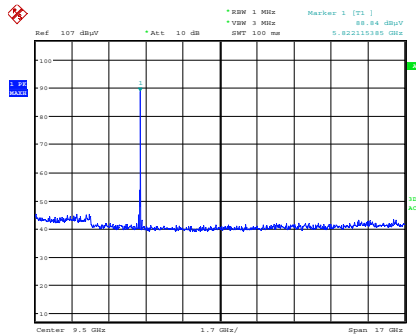


Date: 5.JUN.2015 16:18:43

802.11n_HT20_5785 MHz



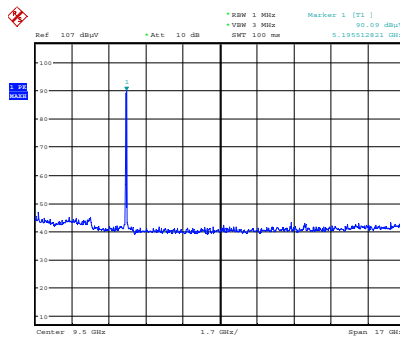
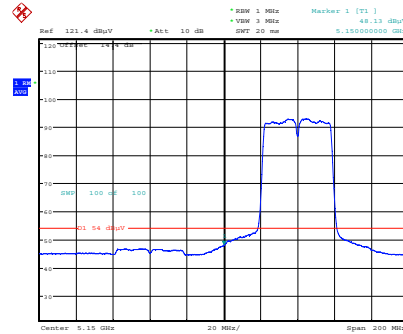
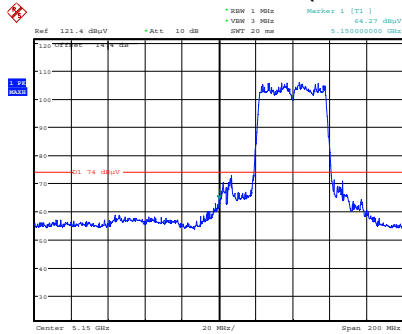
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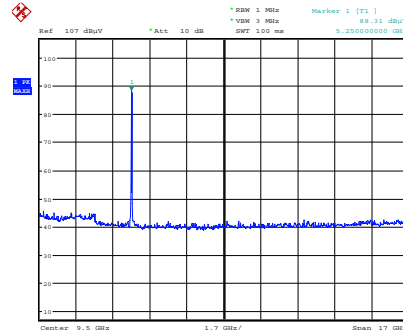
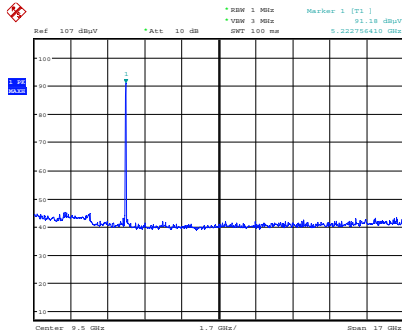
Date: 5.JUN.2015 16:19:40

802.11n_HT20_5825 MHz

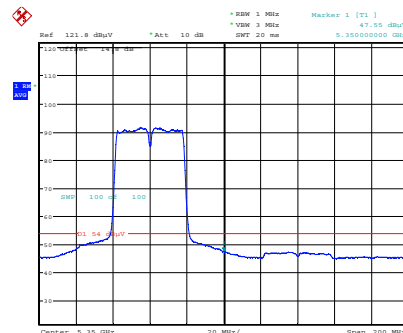
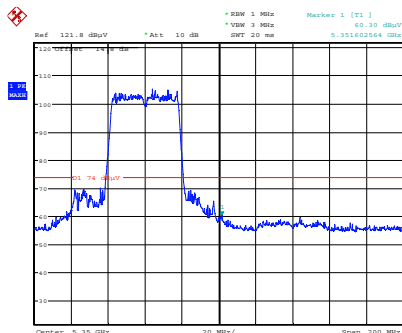
Dipole ANT : A1 + A2 + A3 (802.11n_HT40)



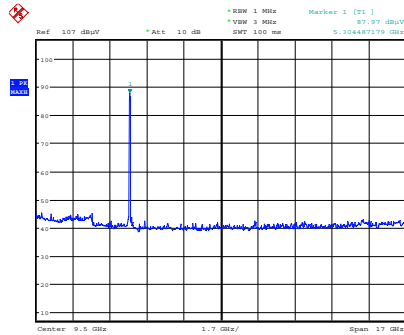
802.11n_HT40_5190 MHz



802.11n_HT40_5230 MHz

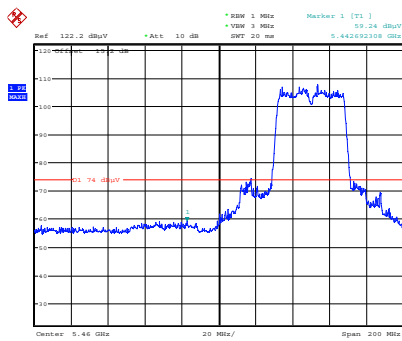


802.11n_HT40_5310 MHz

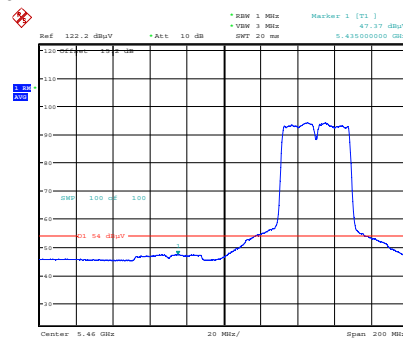


Date: 5 JUN 2015 16:28:39

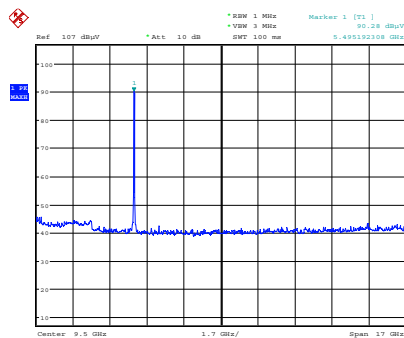
802.11n_HT40_5310 MHz



Date: 5 JUN 2015 16:33:10

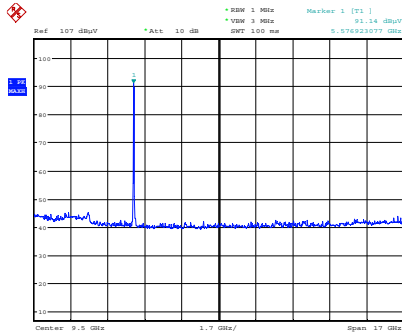


Date: 5 JUN 2015 16:34:20

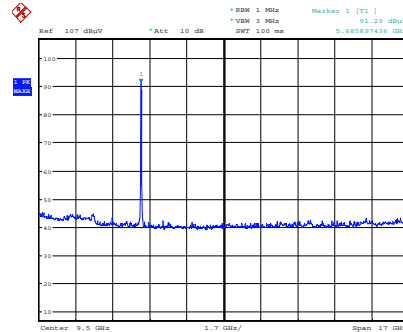


Date: 5 JUN 2015 16:31:59

802.11n_HT40_5510 MHz



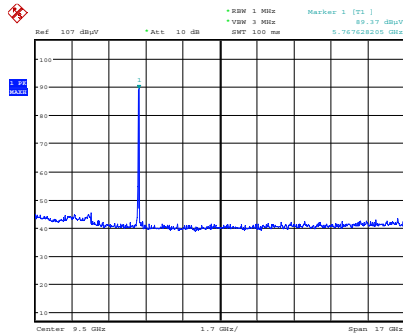
Date: 5 JUN 2015 16:35:38



Date: 5 JUN 2015 16:36:40

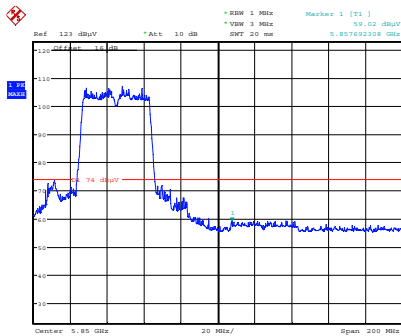
802.11n_HT40_5590 MHz

802.11n_HT40_5710 MHz

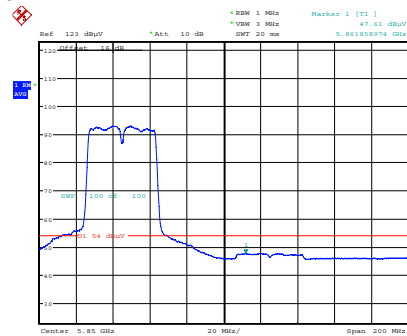


Date: 5 JUN 2015 16:37:35

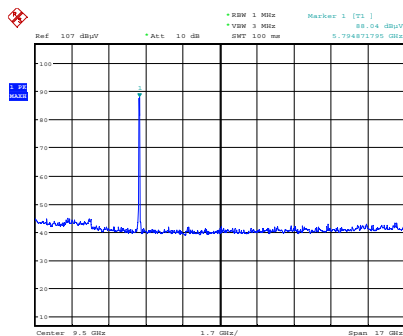
802.11n_HT40_5755 MHz



Date: 5 JUN 2015 16:39:50



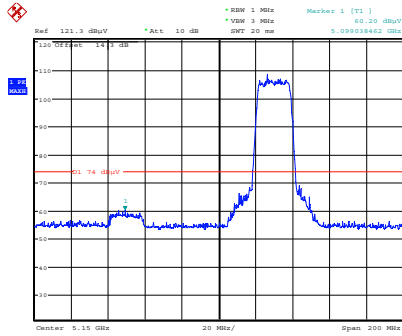
Date: 5 JUN 2015 16:41:18



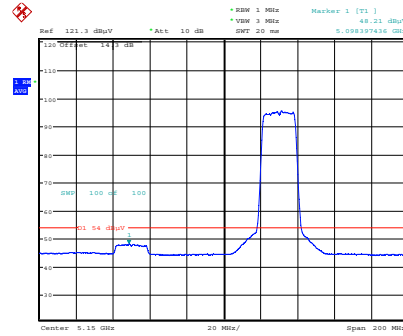
Date: 5 JUN 2015 16:38:31

802.11n_HT40_5795 MHz

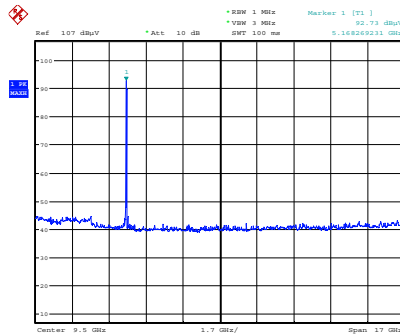
Dipole ANT : A1 + A2 + A3 (802.11ac_HT20)



Date: 5.JUN.2015 17:05:54

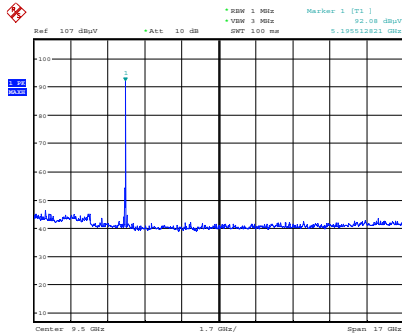


Date: 5.JUN.2015 17:06:39

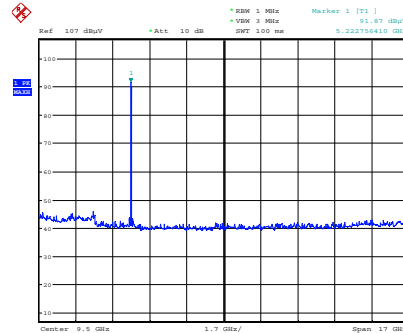


Date: 5.JUN.2015 17:05:09

802.11ac_HT20_5180 MHz

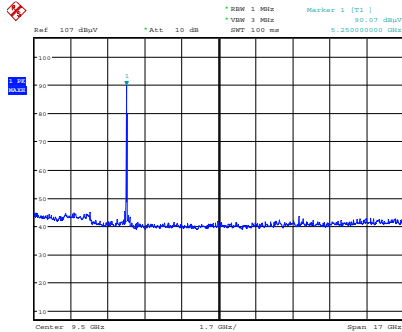


Date: 5.JUN.2015 17:07:47



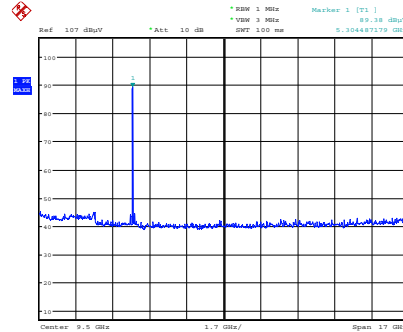
Date: 5.JUN.2015 17:08:41

802.11ac_HT20_5200 MHz



Date: 5.JUN.2015 17:09:27

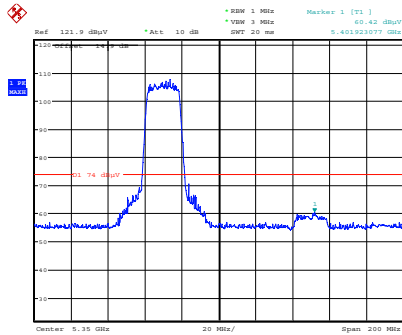
802.11ac_HT20_5240 MHz



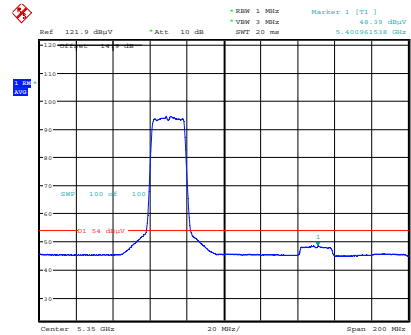
Date: 5.JUN.2015 17:10:12

802.11ac_HT20_5260 MHz

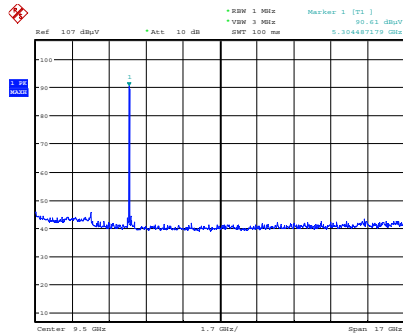
802.11ac_HT20_5300 MHz



Date: 5.JUN.2015 17:11:44

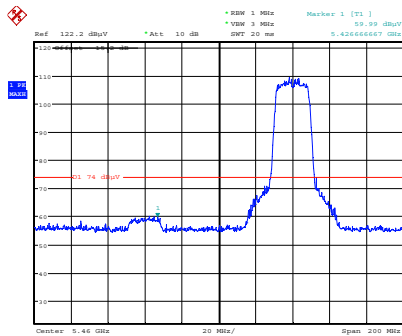


Date: 5.JUN.2015 17:12:45

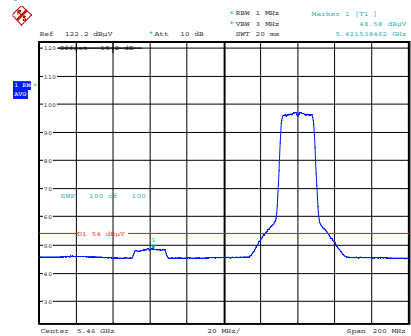


Date: 5.JUN.2015 17:10:54

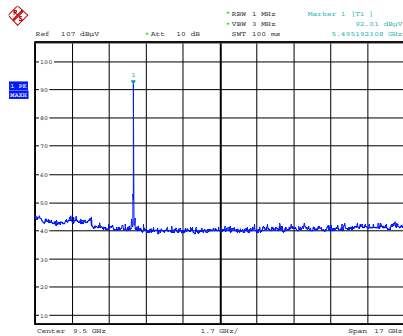
802.11ac_HT20_5320 MHz



Date: 5.JUN.2015 17:14:28

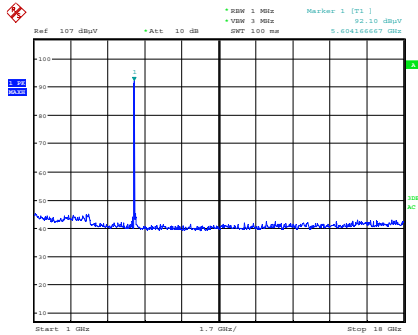


Date: 5.JUN.2015 17:15:56



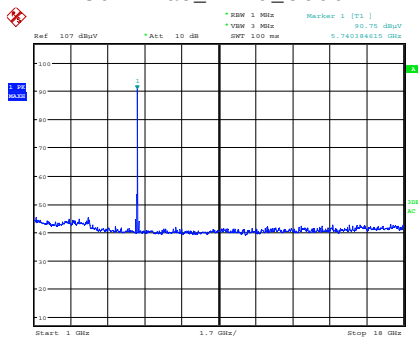
Date: 5.JUN.2015 17:13:35

802.11ac_HT20_5500 MHz



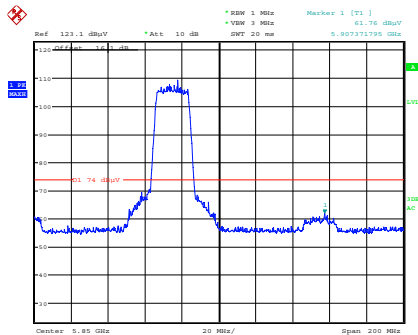
Date: 5.JUN.2015 17:17:15

802.11ac_HT20_5600 MHz

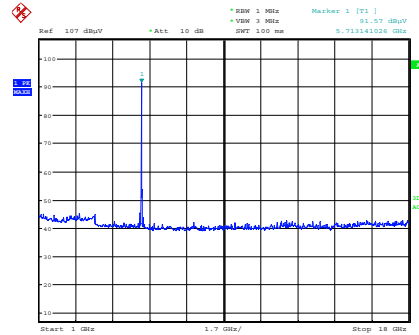


Date: 5.JUN.2015 17:20:05

802.11ac_HT20_5745 MHz

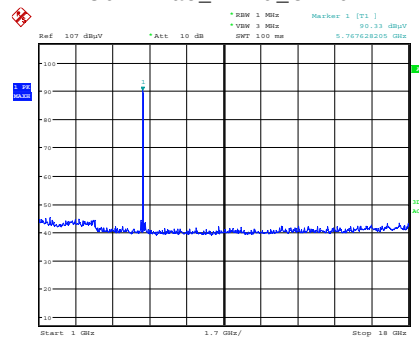


Date: 5.JUN.2015 17:22:26



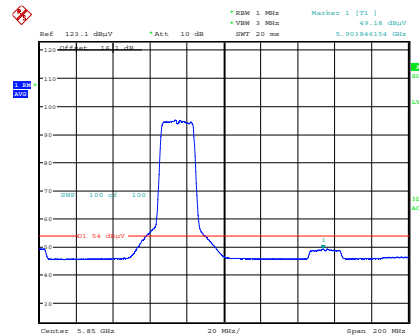
Date: 5.JUN.2015 17:18:39

802.11ac_HT20_5720 MHz

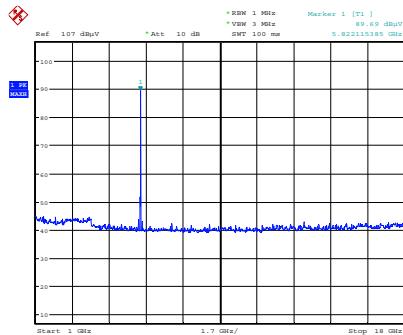


Date: 5.JUN.2015 17:20:50

802.11ac_HT20_5785 MHz



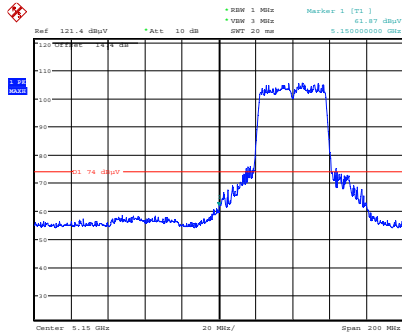
Date: 5.JUN.2015 17:23:38



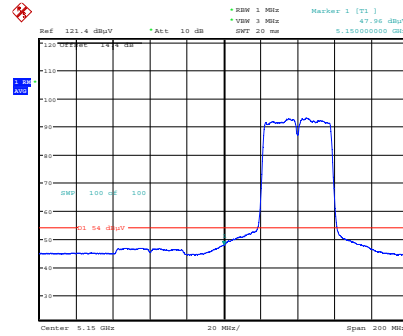
Date: 5.JUN.2015 17:21:36

802.11ac_HT20_5825 MHz

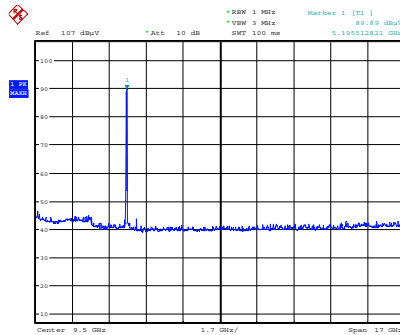
Dipole ANT : A1 + A2 + A3 (802.11ac_HT40)



Date: 5.JUN.2015 17:25:46

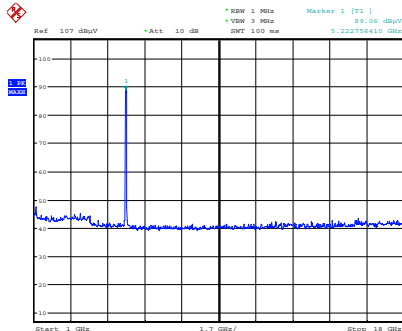


Date: 5.JUN.2015 17:26:41

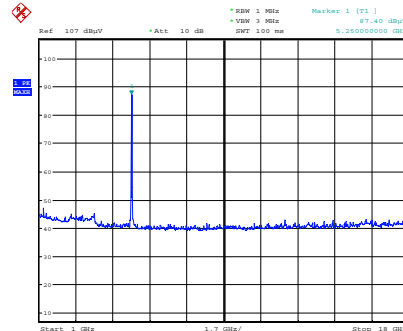


Date: 5.JUN.2015 17:24:43

802.11ac_HT40_5190 MHz

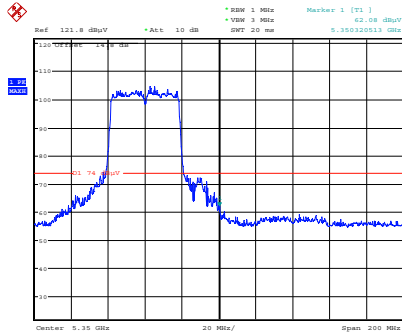


Date: 5.JUN.2015 17:27:43



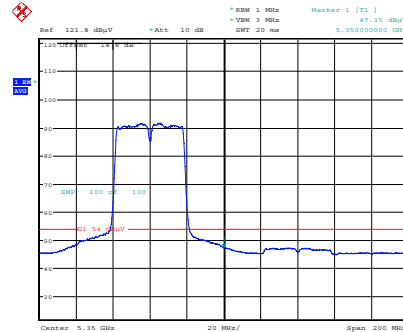
Date: 5.JUN.2015 17:28:37

802.11ac_HT40_5230 MHz



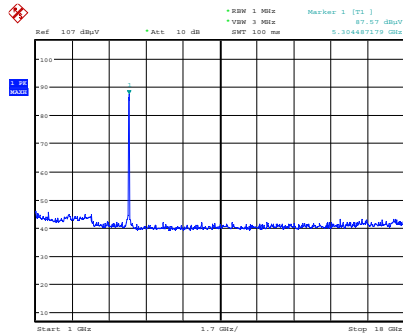
Date: 5.JUN.2015 17:30:30

802.11ac_HT40_5270 MHz



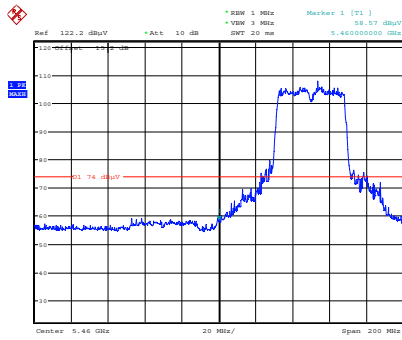
Date: 5.JUN.2015 17:31:34

802.11ac_HT40_5310 MHz

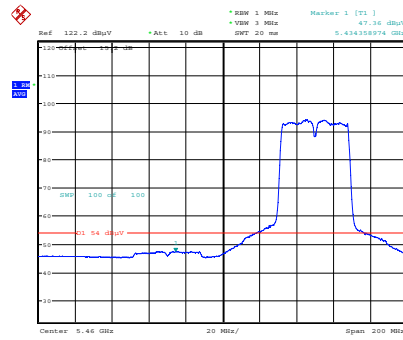


Date: 5 JUN 2015 17:29:24

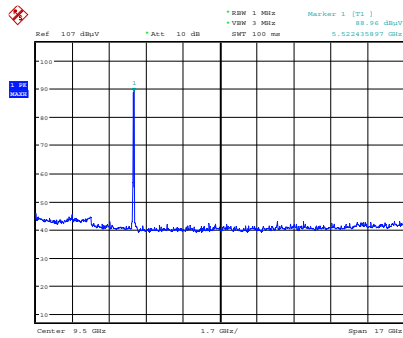
802.11ac_HT40_5310 MHz



Date: 5 JUN 2015 17:33:57

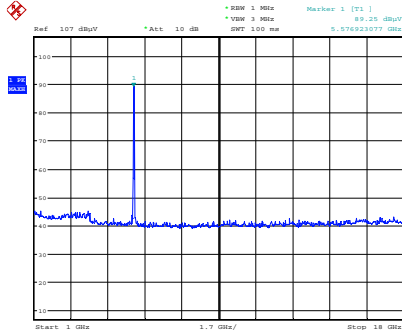


Date: 5 JUN 2015 17:35:20

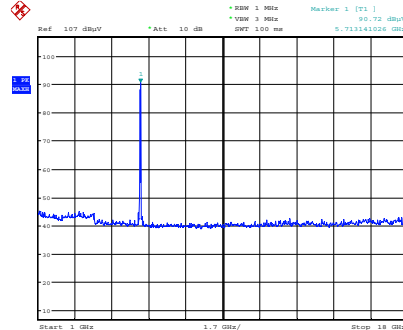


Date: 5 JUN 2015 17:33:00

802.11ac_HT40_5510 MHz



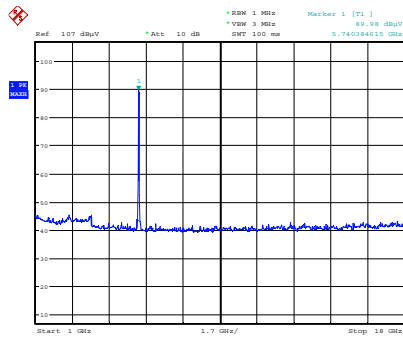
Date: 5 JUN 2015 17:36:20



Date: 5 JUN 2015 17:37:10

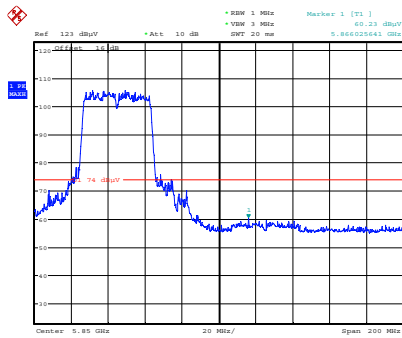
802.11ac_HT40_5590 MHz

802.11ac_HT40_5710 MHz

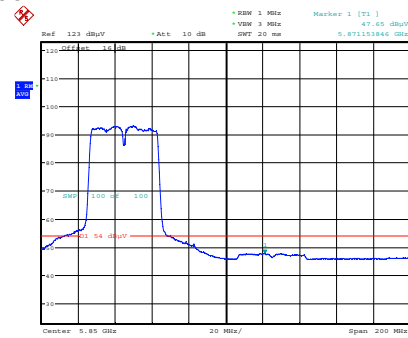


Date: 5/JUN/2015 17:38:13

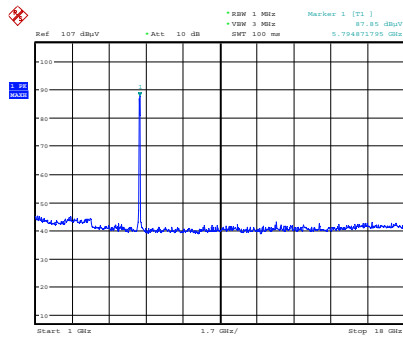
802.11ac_HT40_5755 MHz



Date: 5/JUN/2015 17:40:04



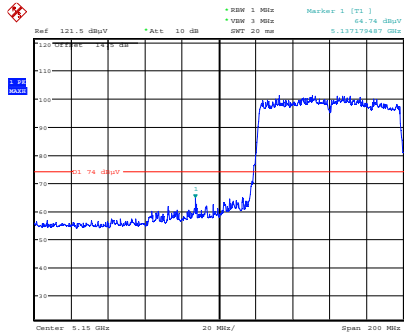
Date: 5/JUN/2015 17:41:25



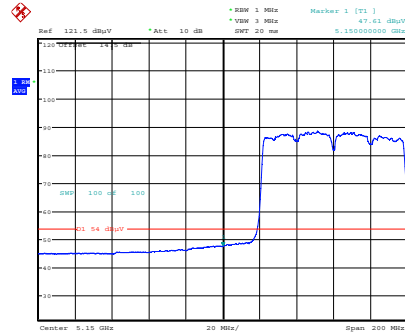
Date: 5/JUN/2015 17:39:07

802.11ac_HT40_5795 MHz

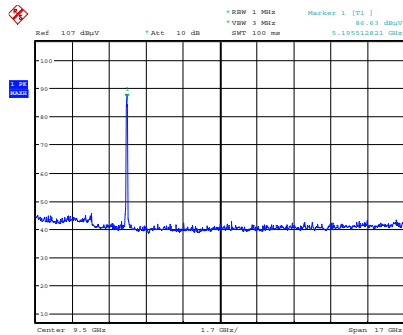
Dipole ANT : A1 + A2 + A3 (802.11ac_HT80)



Date: 5.JUN.2015 17:56:01

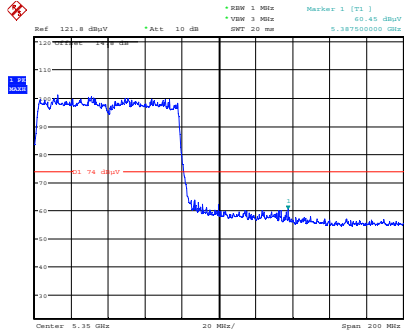


Date: 5.JUN.2015 17:56:59

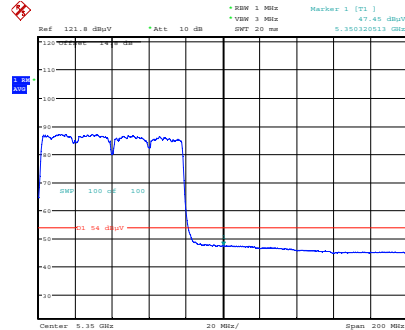


Date: 5.JUN.2015 17:55:08

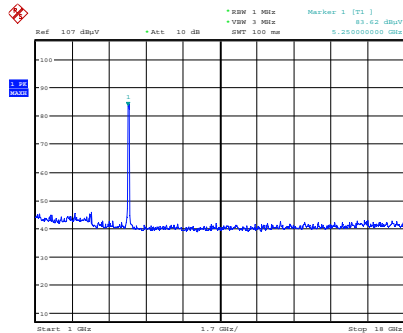
802.11ac_HT80_5210 MHz



Date: 5.JUN.2015 17:59:10

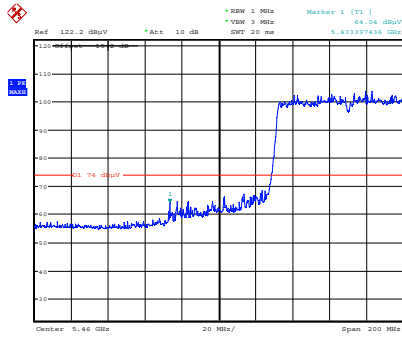


Date: 5.JUN.2015 18:00:11

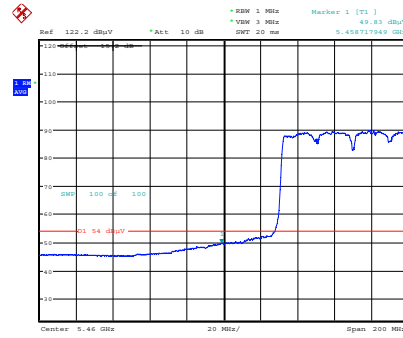


Date: 5.JUN.2015 17:58:01

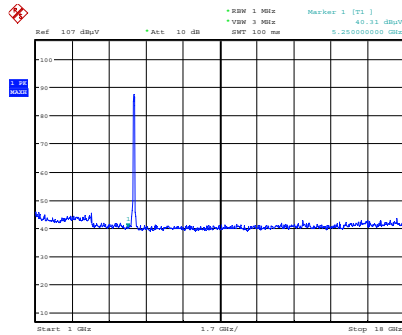
802.11ac_HT80_5290 MHz



Date: 5/JUN/2015 18:02:10

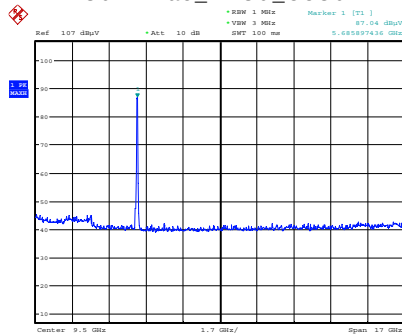


Date: 5/JUN/2015 18:03:10



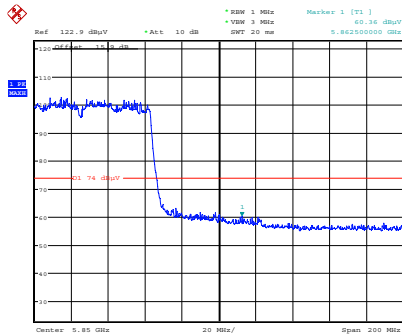
Date: 5/JUN/2015 18:01:10

802.11ac_HT80_5530 MHz

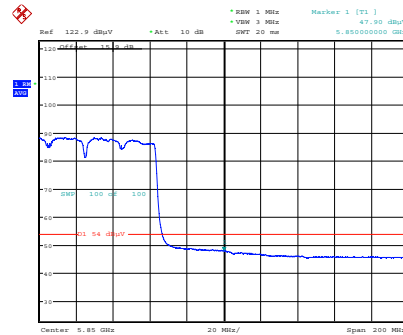


Date: 5/JUN/2015 18:04:14

802.11ac_HT80_5690 MHz

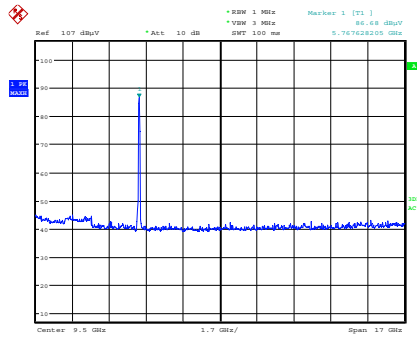


Date: 5/JUN/2015 18:06:32



Date: 5/JUN/2015 18:07:26

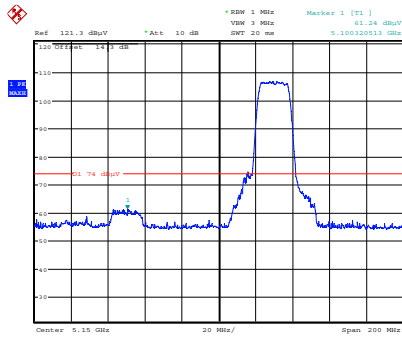
802.11ac_HT80_5775 MHz



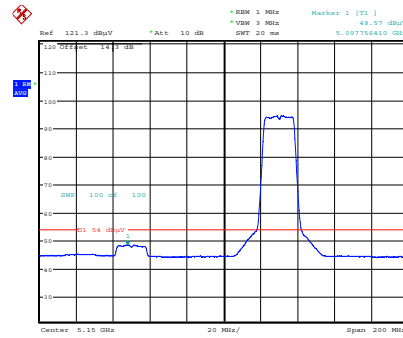
Date: 5 JUN 2015 18:05:06

802.11ac_HT80_5775 MHz

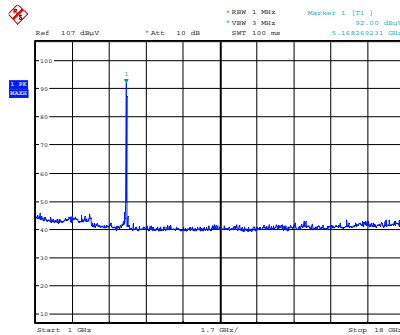
Dipole ANT : M1 + M2 + M3 (802.11a)



Date: 5.JUN.2015 13:06:08

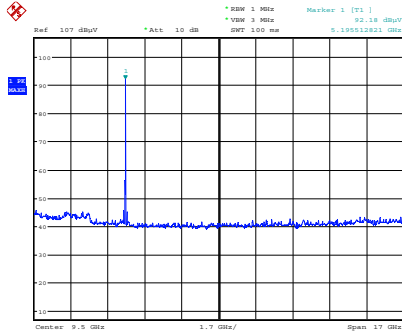


Date: 5.JUN.2015 13:07:33

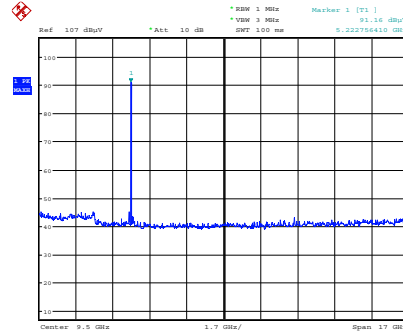


Date: 5.JUN.2015 13:04:17

802.11a _5180 MHz

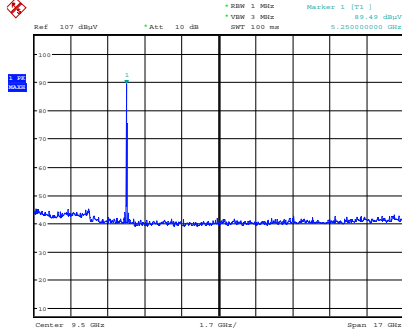


Date: 5.JUN.2015 13:09:44



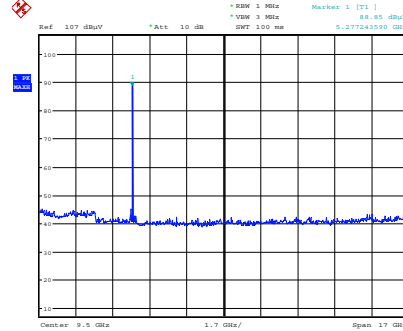
Date: 5.JUN.2015 13:12:00

802.11a _5200 MHz



Date: 5.JUN.2015 13:13:13

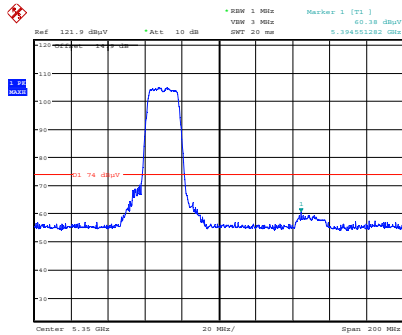
802.11a _5240 MHz



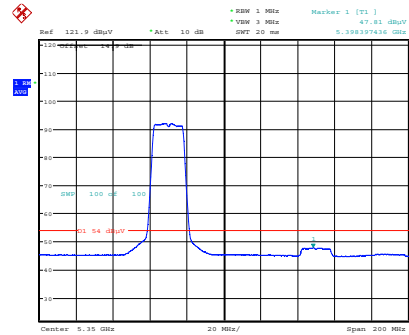
Date: 5.JUN.2015 13:14:37

802.11a _5260 MHz

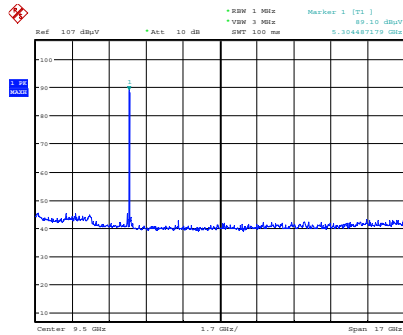
802.11a _5300 MHz



Date: 5.JUN.2015 14:25:03

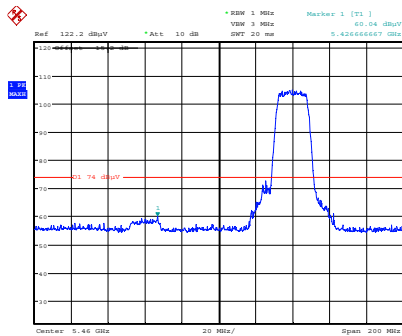


Date: 5.JUN.2015 14:26:44

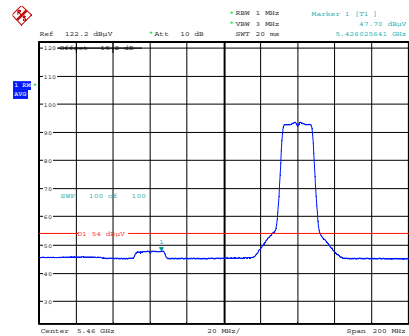


Date: 5.JUN.2015 14:23:55

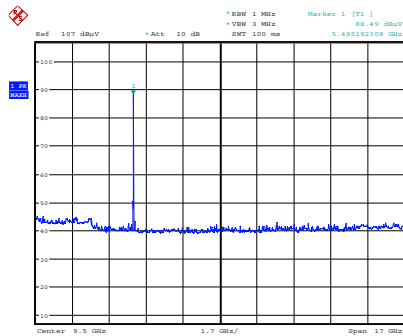
802.11a _ 5320 MHz



Date: 5.JUN.2015 14:30:18

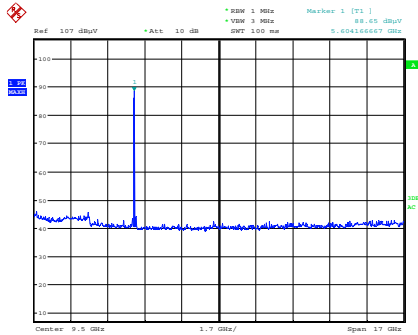


Date: 5.JUN.2015 14:31:39



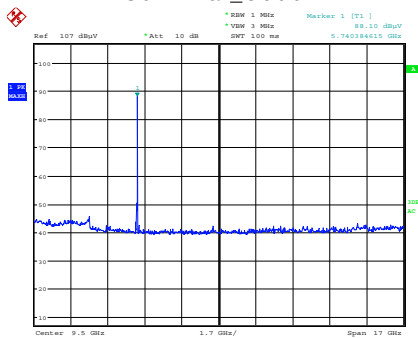
Date: 5.JUN.2015 14:28:39

802.11a _ 5500 MHz



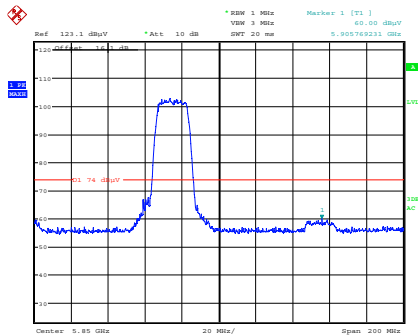
Date: 5.JUN.2015 14:32:41

802.11a_5600 MHz

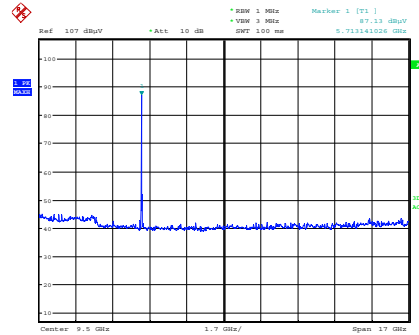


Date: 5.JUN.2015 14:38:55

802.11a_5745 MHz

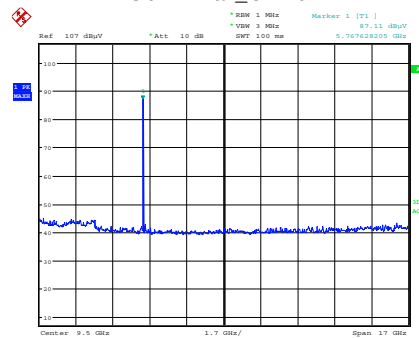


Date: 5.JUN.2015 14:42:27



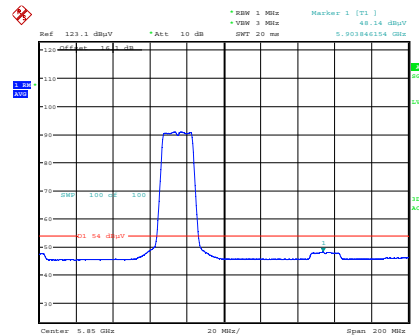
Date: 5.JUN.2015 14:34:11

802.11a_5720 MHz

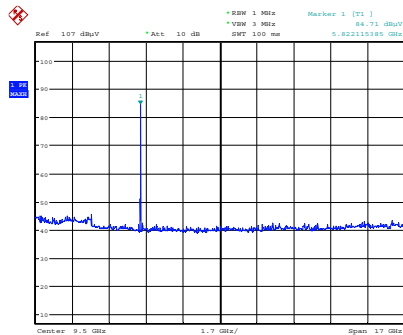


Date: 5.JUN.2015 14:39:58

802.11a_5785 MHz



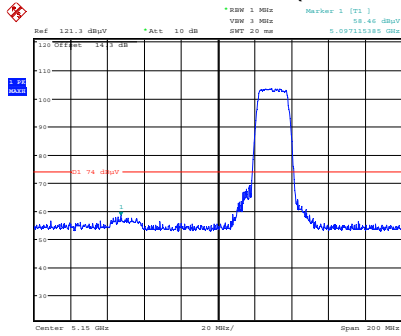
Date: 5.JUN.2015 14:43:34



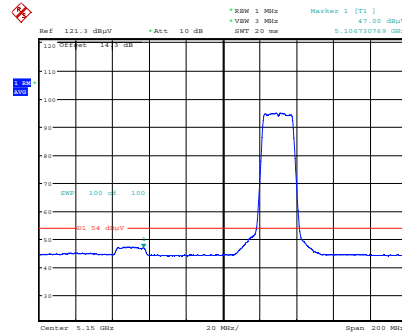
Date: 5.JUN.2015 14:41:23

802.11a_5825 MHz

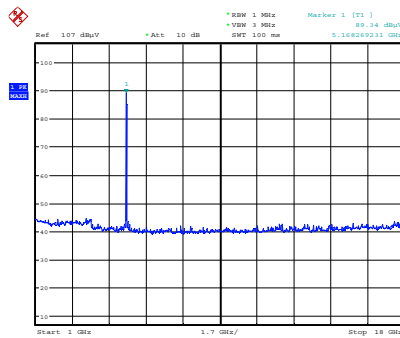
Patch ANT : A1 + A2 + A3 (802.11a)



Date: 4.JUN.2015 18:02:31

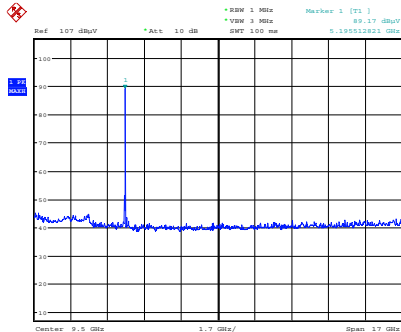


Date: 4.JUN.2015 18:03:23

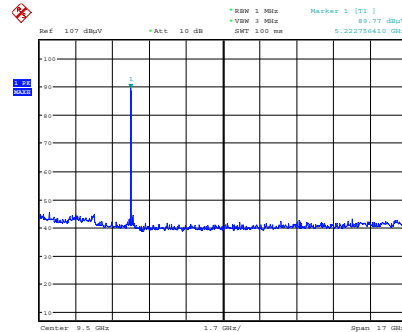


Date: 4.JUN.2015 18:01:55

802.11a_5180 MHz

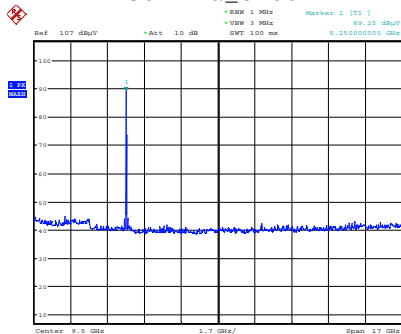


Date: 4.JUN.2015 18:04:06



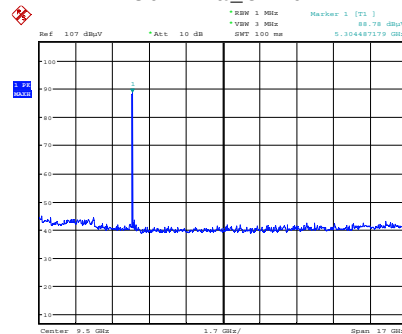
Date: 4.JUN.2015 18:04:50

802.11a_5200 MHz



Date: 4.JUN.2015 18:05:17

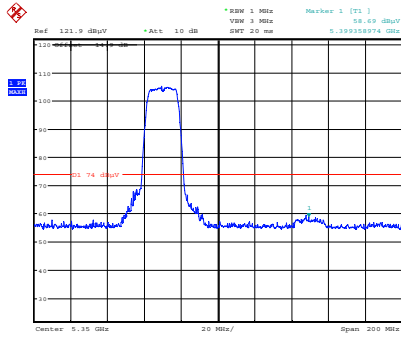
802.11a_5240 MHz



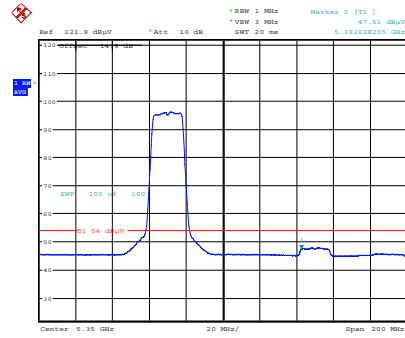
Date: 4.JUN.2015 18:05:49

802.11a_5260 MHz

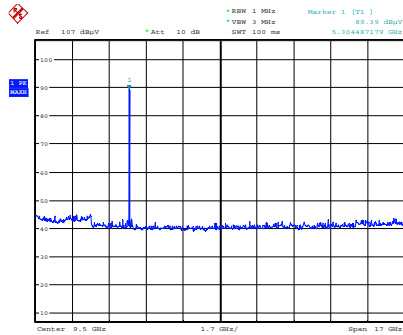
802.11a_5300 MHz



Date: 4.JUN.2015 18:07:29

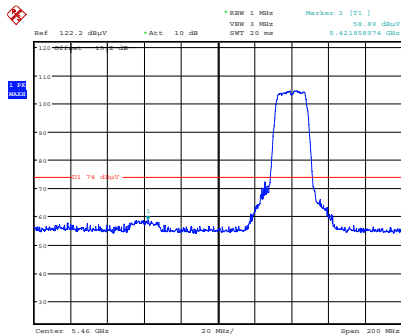


Date: 4.JUN.2015 18:09:16

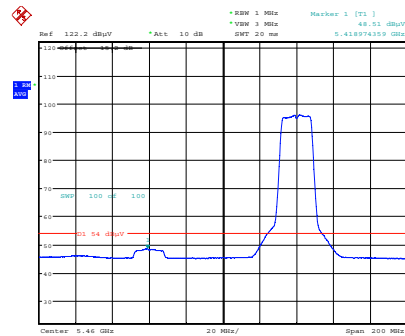


Date: 4.JUN.2015 18:06:26

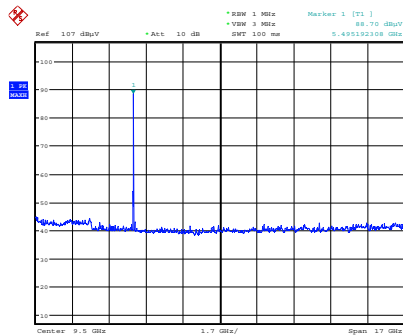
802.11a_5320 MHz



Date: 4.JUN.2015 18:10:57

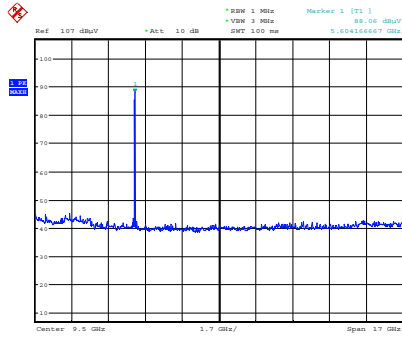


Date: 4.JUN.2015 18:12:24



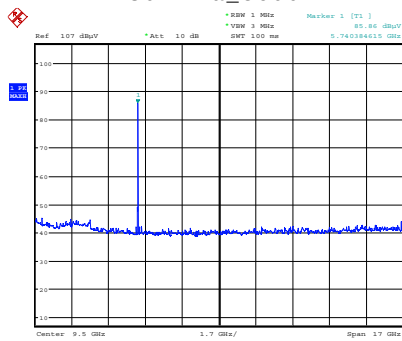
Date: 4.JUN.2015 18:09:38

802.11a_5500 MHz



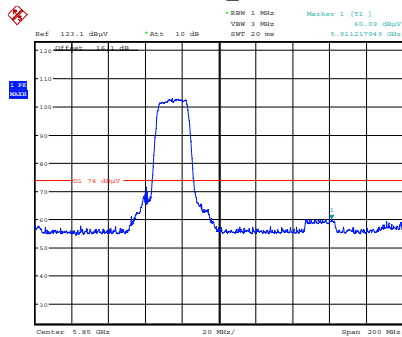
Date: 4.JUN.2015 18:12:50

802.11a_5600 MHz

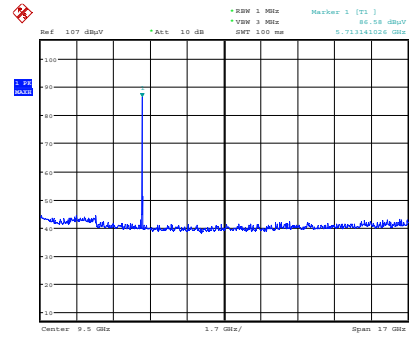


Date: 4.JUN.2015 18:13:53

802.11a_5745 MHz

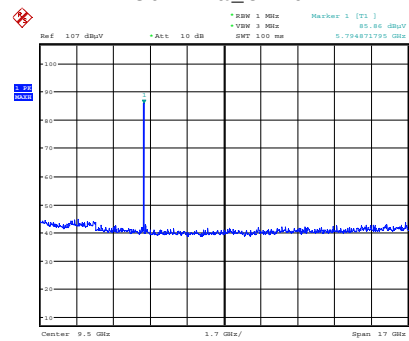


Date: 4.JUN.2015 18:16:03



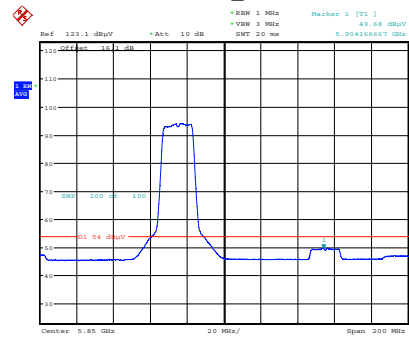
Date: 4.JUN.2015 18:13:20

802.11a_5720 MHz

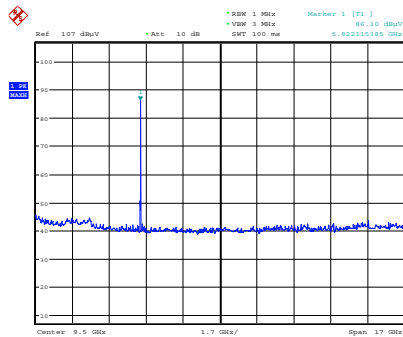


Date: 4.JUN.2015 18:14:23

802.11a_5785 MHz



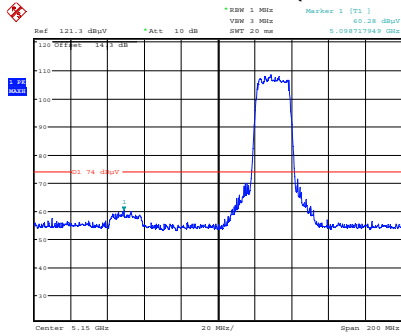
Date: 4.JUN.2015 18:17:17



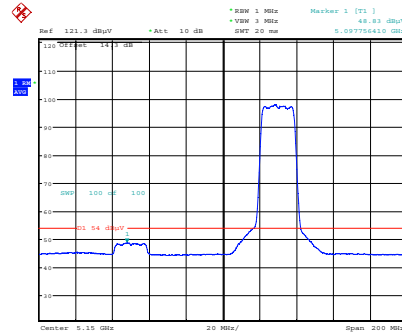
Date: 4.JUN.2015 18:15:06

802.11a_5825 MHz

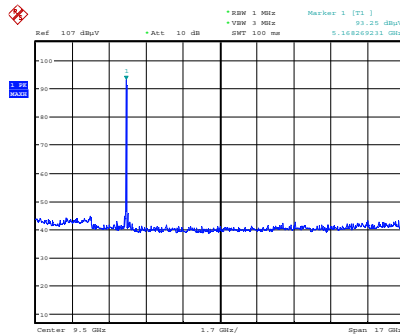
Patch ANT : A1 + A2 + A3 (802.11n_HT20)



Date: 4.JUN.2015 18:18:42

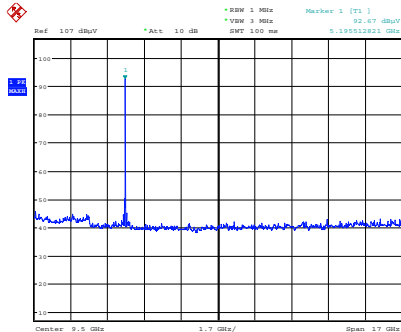


Date: 4.JUN.2015 18:19:31

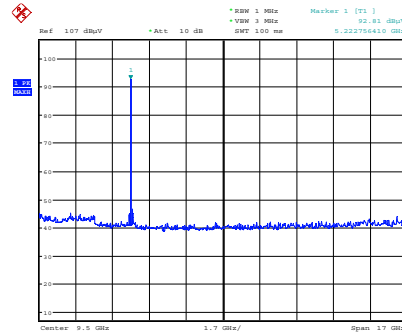


Date: 4.JUN.2015 18:18:17

802.11n_HT20_5180 MHz

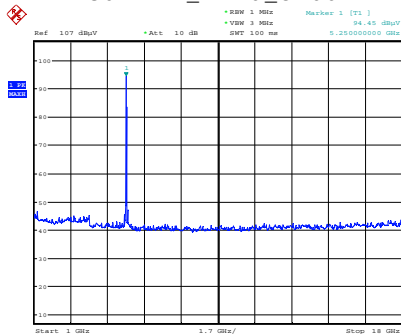


Date: 4.JUN.2015 18:32:06



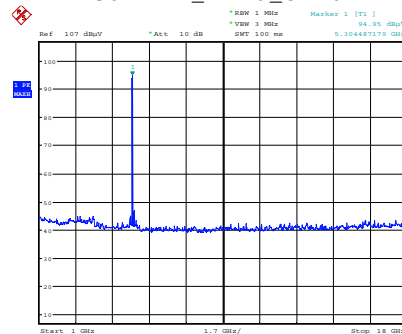
Date: 4.JUN.2015 18:33:03

802.11n_HT20_5200 MHz



Date: 4.JUN.2015 18:34:49

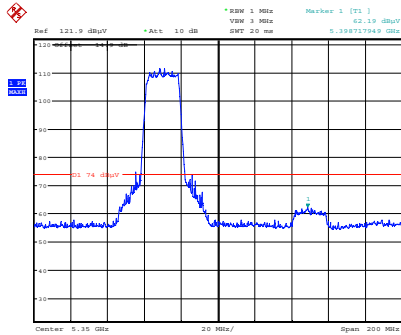
802.11n_HT20_5240 MHz



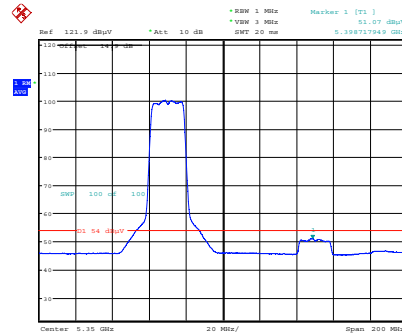
Date: 4.JUN.2015 18:35:41

802.11n_HT20_5260 MHz

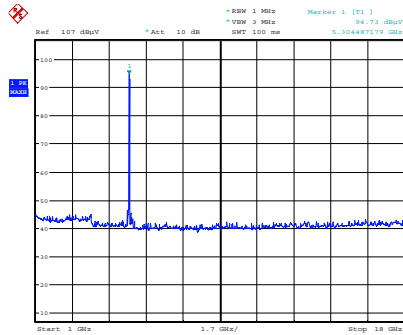
802.11n_HT20_5300 MHz



Date: 4.JUN.2015 19:50:27

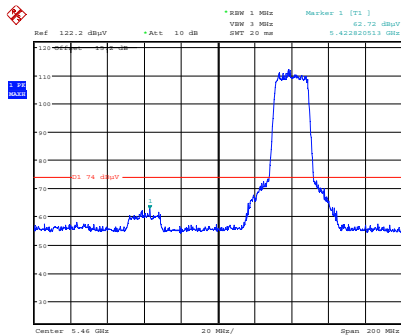


Date: 4.JUN.2015 19:52:38

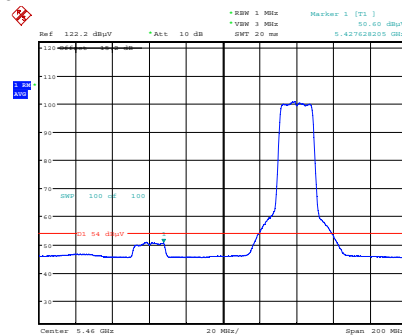


Date: 4.JUN.2015 18:36:31

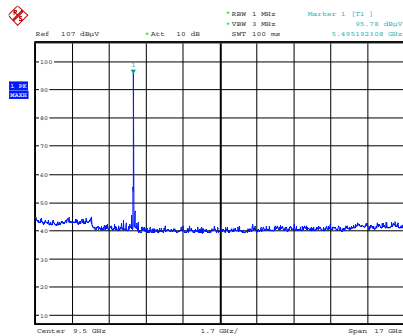
802.11n_HT20_5320 MHz



Date: 4.JUN.2015 19:54:28

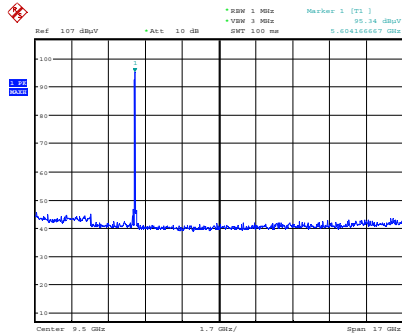


Date: 4.JUN.2015 19:55:35



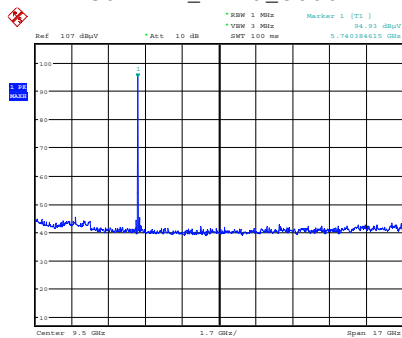
Date: 4.JUN.2015 19:53:48

802.11n_HT20_5500 MHz



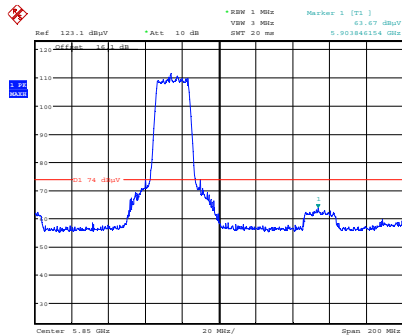
Date: 4.JUN.2015 19:56:31

802.11n_HT20_5600 MHz

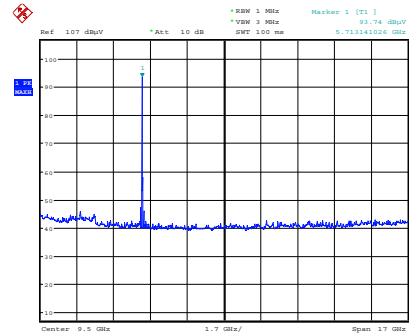


Date: 4.JUN.2015 19:58:58

802.11n_HT20_5745 MHz

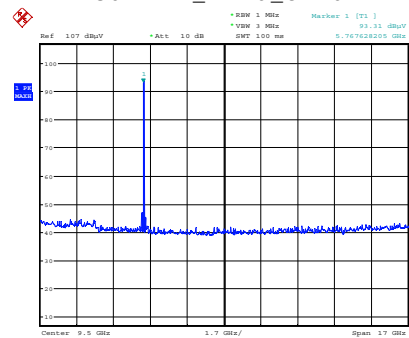


Date: 4.JUN.2015 20:04:09



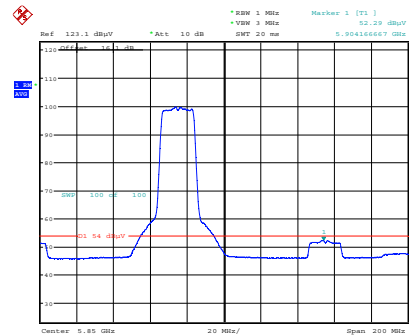
Date: 4.JUN.2015 19:58:09

802.11n_HT20_5720 MHz

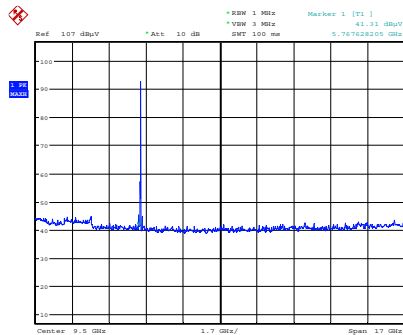


Date: 4.JUN.2015 20:01:44

802.11n_HT20_5785 MHz



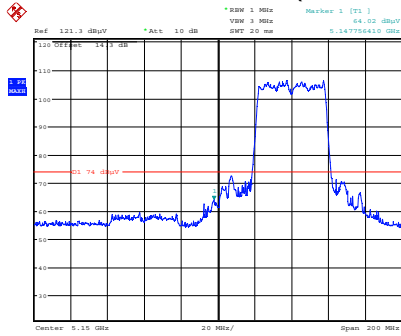
Date: 4.JUN.2015 20:05:33



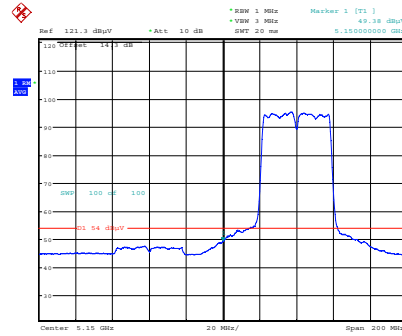
Date: 4.JUN.2015 20:02:29

802.11n_HT20_5825 MHz

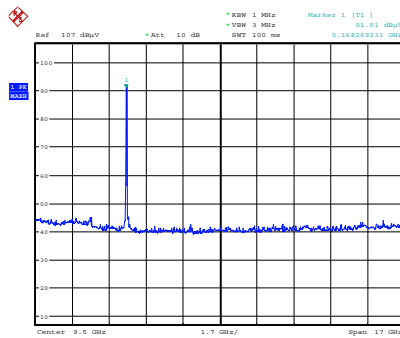
Patch ANT : A1 + A2 + A3 (802.11n_HT40)



Date: 4.JUN.2015 20:12:29

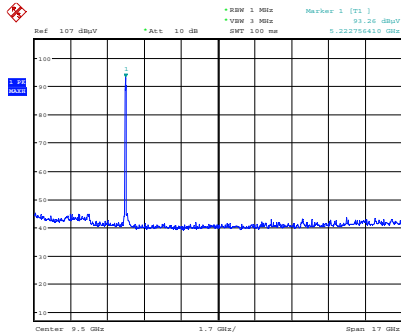


Date: 4.JUN.2015 20:18:05

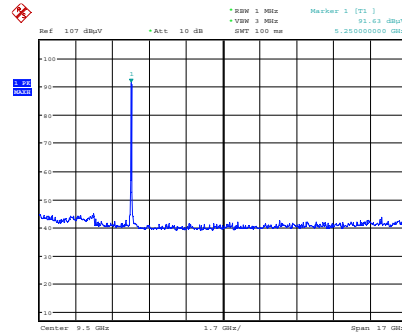


Date: 4.JUN.2015 20:09:11

802.11n_HT40_5190 MHz

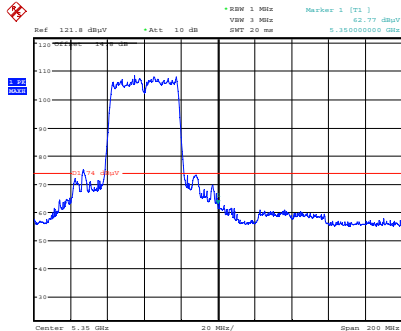


Date: 4.JUN.2015 20:19:25



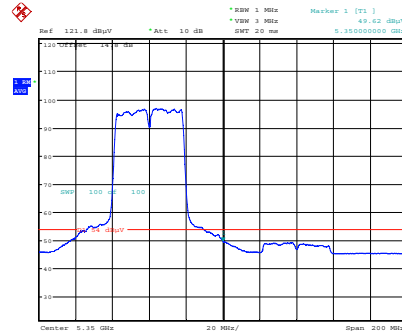
Date: 4.JUN.2015 20:20:49

802.11n_HT40_5230 MHz



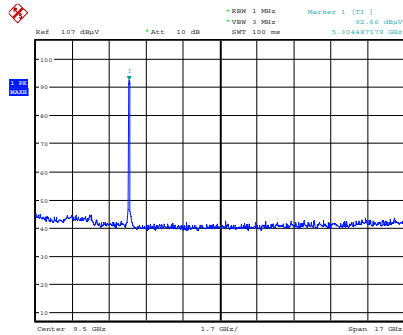
Date: 4.JUN.2015 20:23:24

802.11n_HT40_5270 MHz



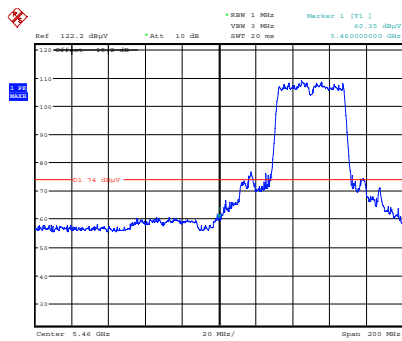
Date: 4.JUN.2015 20:25:00

802.11n_HT40_5310 MHz

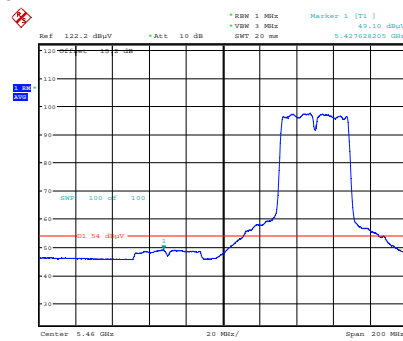


Date: 4 JUN 2015 20:21:40

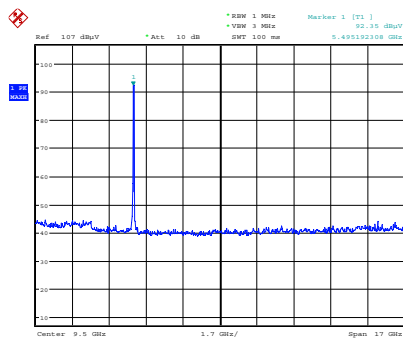
802.11n_HT40_5310 MHz



Date: 4 JUN 2015 20:27:37

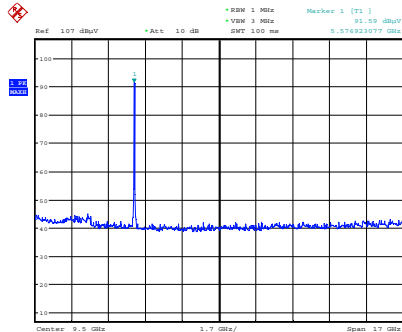


Date: 4 JUN 2015 20:29:03



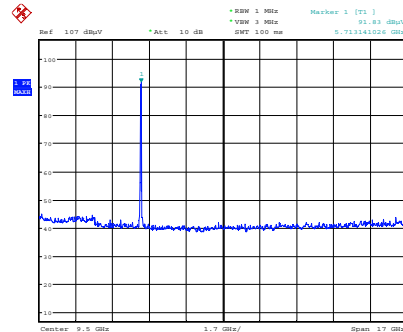
Date: 4 JUN 2015 20:25:56

802.11n_HT40_5510 MHz



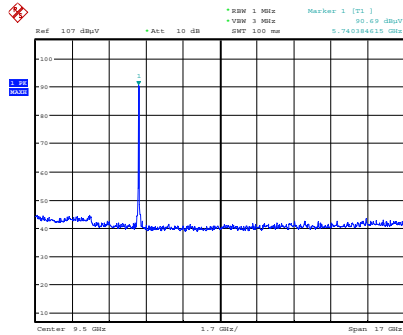
Date: 4 JUN 2015 20:30:16

802.11n_HT40_5590 MHz



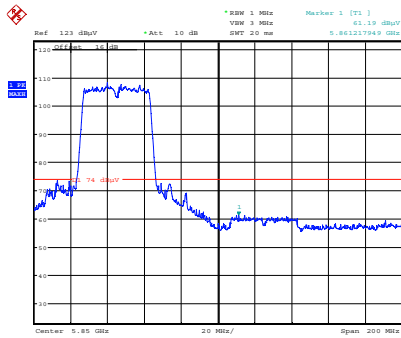
Date: 4 JUN 2015 20:31:02

802.11n_HT40_5710 MHz

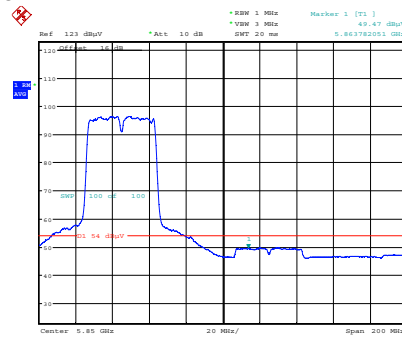


Date: 4.JUN.2015 20:31:42

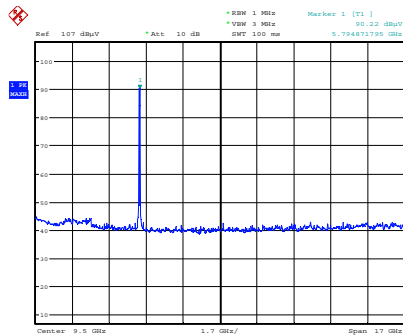
802.11n_HT40_5755 MHz



Date: 4.JUN.2015 20:53:55



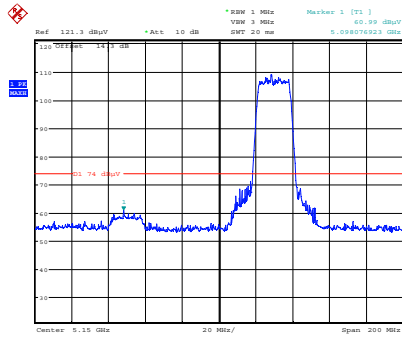
Date: 4.JUN.2015 20:55:32



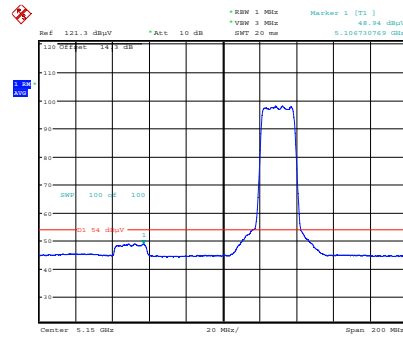
Date: 4.JUN.2015 20:32:27

802.11n_HT40_5795 MHz

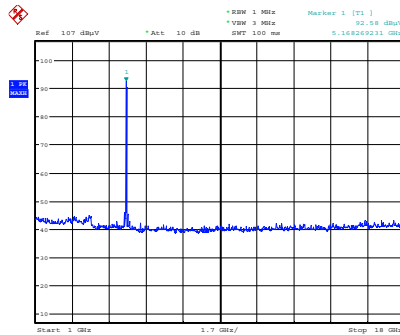
Patch ANT : A1 + A2 + A3 (802.11ac_HT20)



Date: 4.JUN.2015 20:59:01

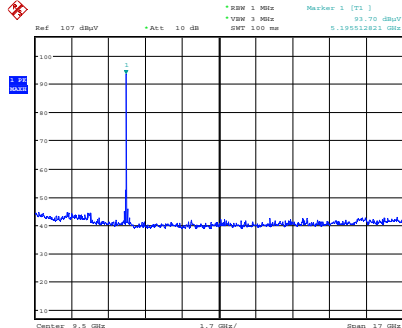


Date: 4.JUN.2015 21:00:02

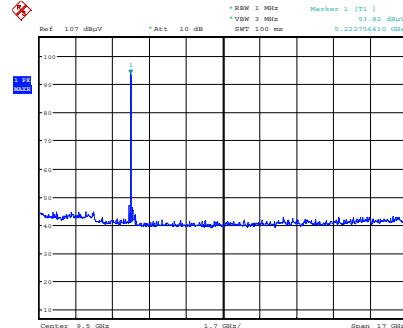


Date: 4.JUN.2015 20:58:06

802.11ac_HT20_5180 MHz

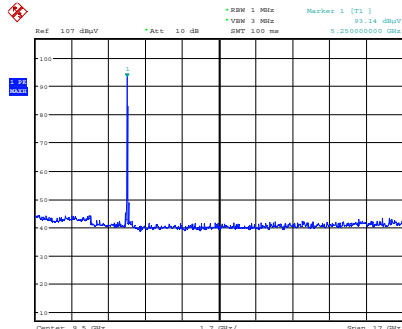


Date: 4.JUN.2015 21:00:43



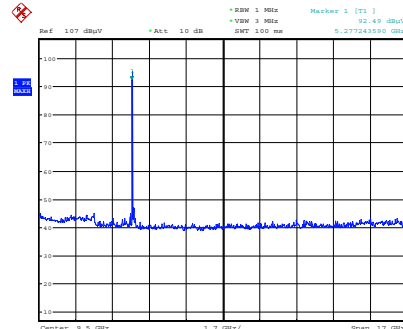
Date: 4.JUN.2015 21:01:29

802.11ac_HT20_5200 MHz



Date: 4.JUN.2015 21:02:07

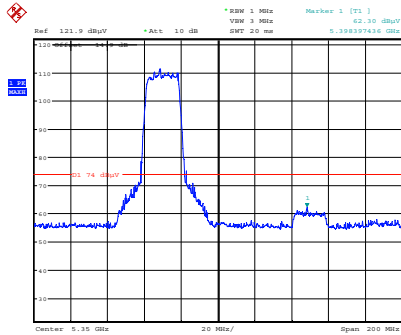
802.11ac_HT20_5240 MHz



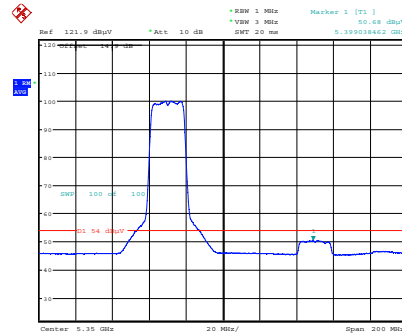
Date: 4.JUN.2015 21:02:58

802.11ac_HT20_5260 MHz

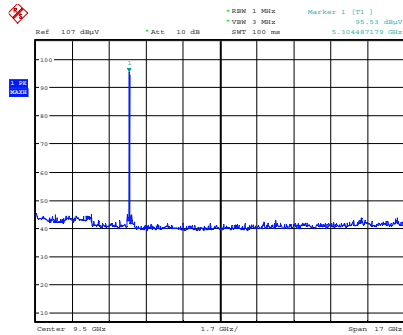
802.11ac_HT20_5300 MHz



Date: 4.JUN.2015 21:04:47

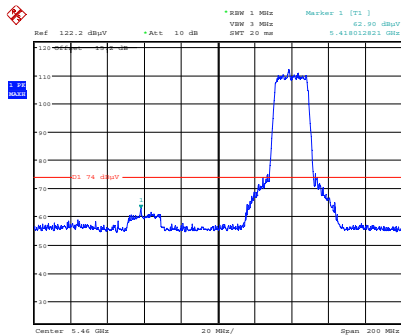


Date: 4.JUN.2015 21:06:09

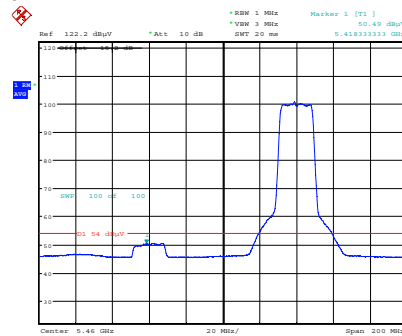


Date: 4.JUN.2015 21:03:49

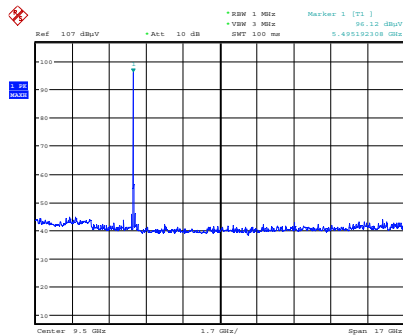
802.11ac_HT20_5320 MHz



Date: 4.JUN.2015 21:07:46

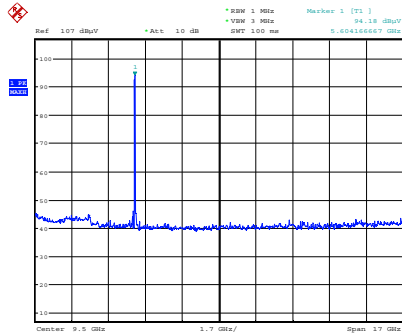


Date: 4.JUN.2015 21:09:08



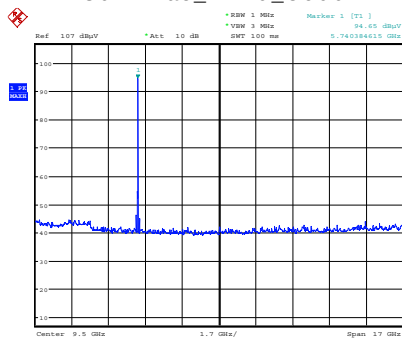
Date: 4.JUN.2015 21:06:47

802.11ac_HT20_5500 MHz



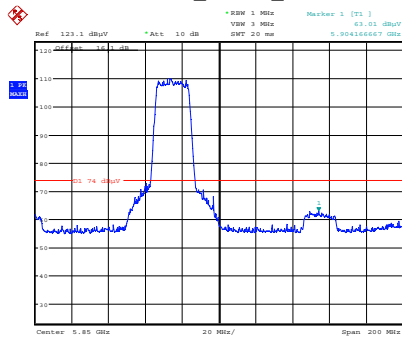
Date: 4.JUN.2015 21:09:57

802.11ac_HT20_5600 MHz

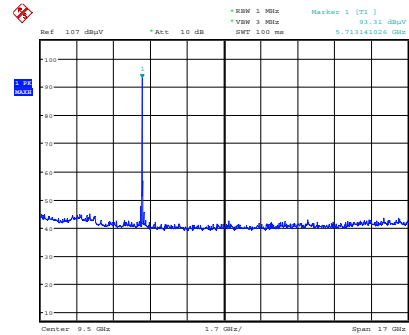


Date: 4.JUN.2015 21:11:25

802.11ac_HT20_5745 MHz

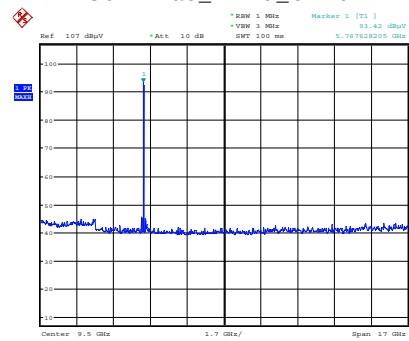


Date: 4.JUN.2015 21:13:53



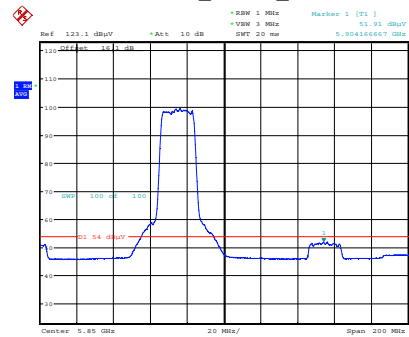
Date: 4.JUN.2015 21:10:43

802.11ac_HT20_5720 MHz

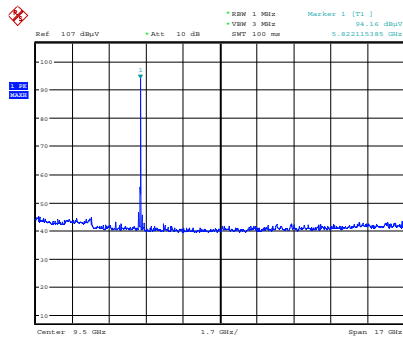


Date: 4.JUN.2015 21:12:11

802.11ac_HT20_5785 MHz



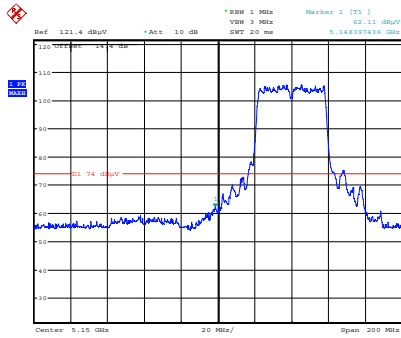
Date: 4.JUN.2015 21:14:53



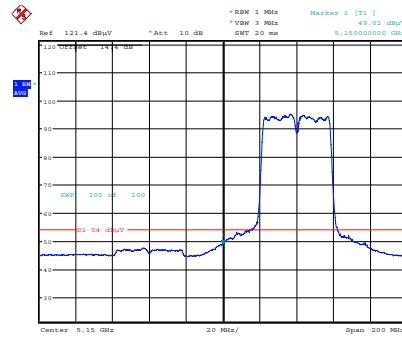
Date: 4.JUN.2015 21:13:03

802.11ac_HT20_5825 MHz

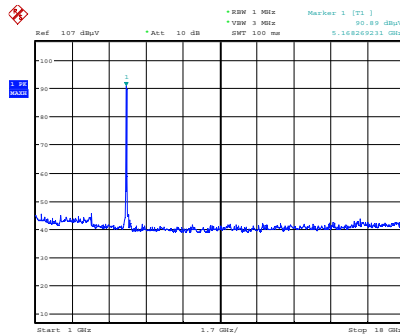
Patch ANT : A1 + A2 + A3 (802.11ac_HT40)



Date: 4.JUN.2015 21:21:57

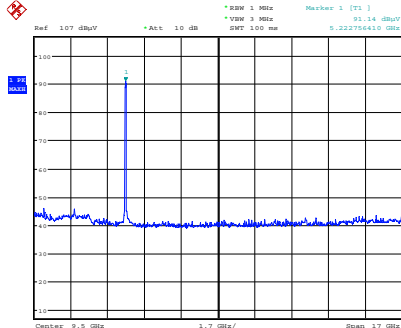


Date: 4.JUN.2015 21:22:55

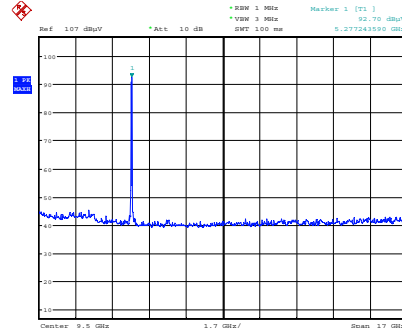


Date: 4.JUN.2015 21:18:13

802.11ac_HT40_5190 MHz

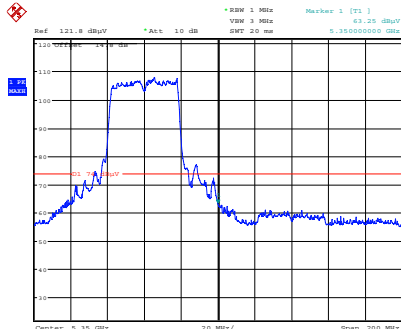


Date: 4.JUN.2015 21:23:41



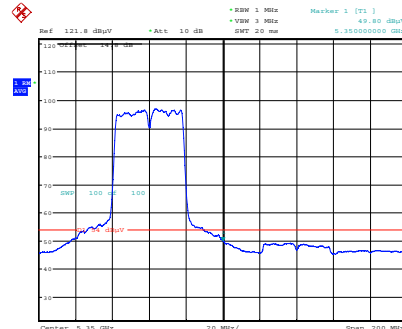
Date: 4.JUN.2015 21:24:31

802.11ac_HT40_5230 MHz



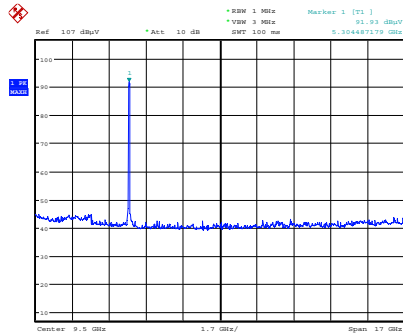
Date: 4.JUN.2015 21:26:47

802.11ac_HT40_5270 MHz



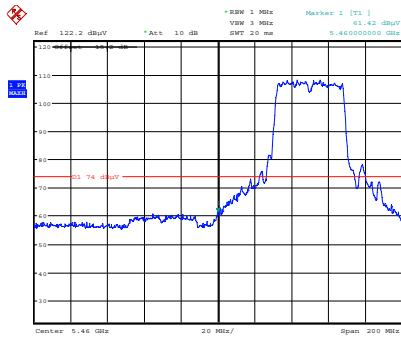
Date: 4.JUN.2015 21:28:27

802.11ac_HT40_5310 MHz

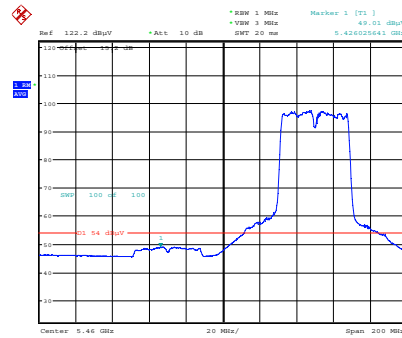


Date: 4.JUN.2015 21:25:29

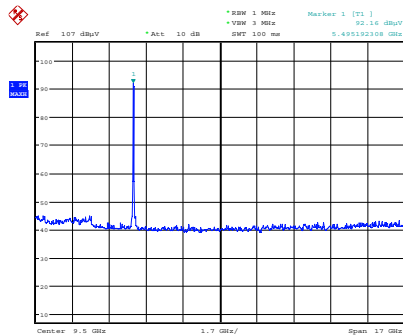
802.11ac_HT40_5310 MHz



Date: 4.JUN.2015 21:31:12

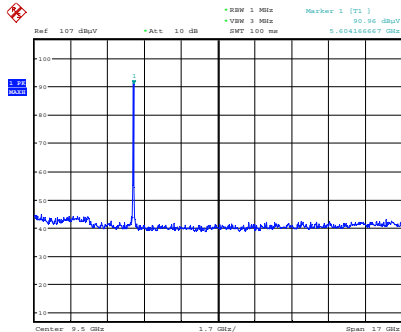


Date: 4.JUN.2015 21:33:10

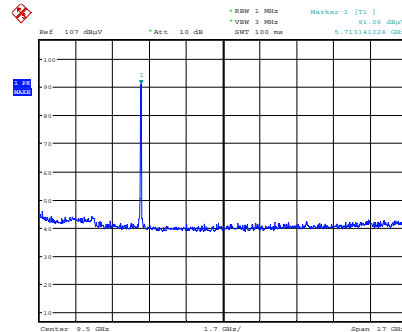


Date: 4.JUN.2015 21:29:19

802.11ac_HT40_5510 MHz



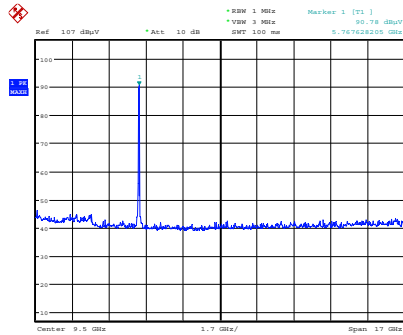
Date: 4.JUN.2015 21:33:48



Date: 4.JUN.2015 21:34:33

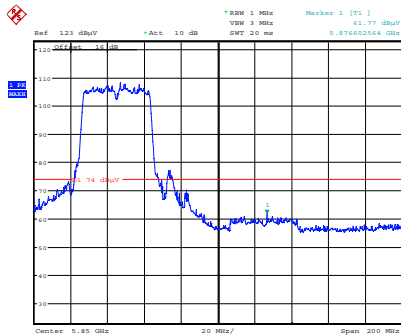
802.11ac_HT40_5590 MHz

802.11ac_HT40_5710 MHz

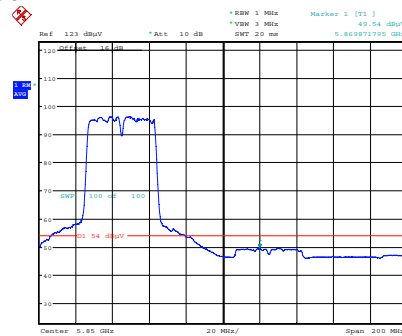


Date: 4.JUN.2015 21:35:09

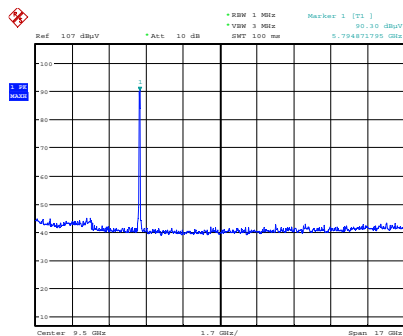
802.11ac_HT40_5755 MHz



Date: 4.JUN.2015 21:36:29



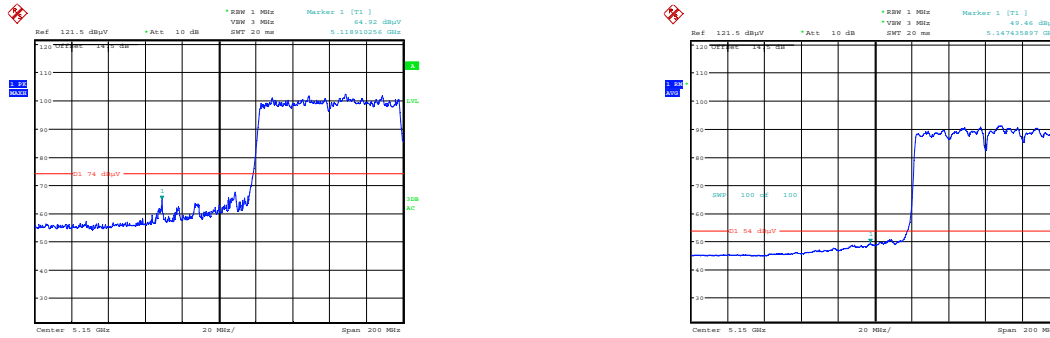
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Date: 4.JUN.2015 21:35:44

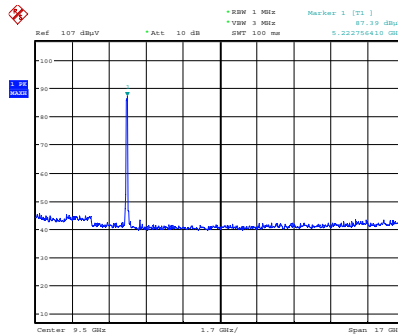
802.11ac_HT40_5795 MHz

Patch ANT : A1 + A2 + A3 (802.11ac_HT80)



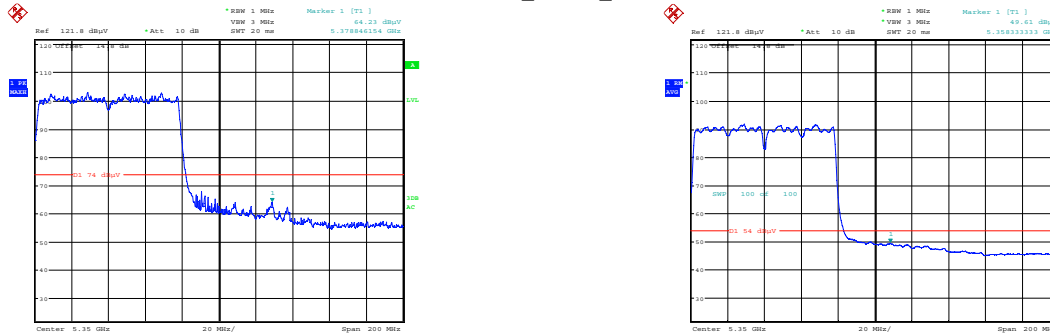
Date: 5.JUN.2015 12:21:00

Date: 5.JUN.2015 12:21:58



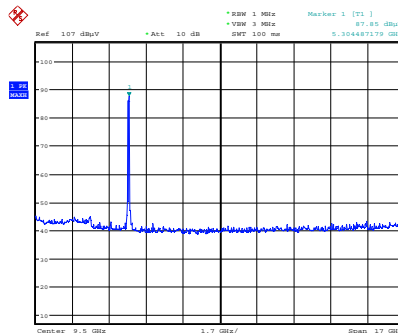
Date: 5.JUN.2015 12:19:45

802.11ac_HT80_5210 MHz



Date: 5.JUN.2015 12:24:18

Date: 5.JUN.2015 12:25:32



Date: 5.JUN.2015 12:23:04

802.11ac_HT80_5290 MHz



CTK Co., Ltd.
The Power Leader of Global Regulatory Compliance

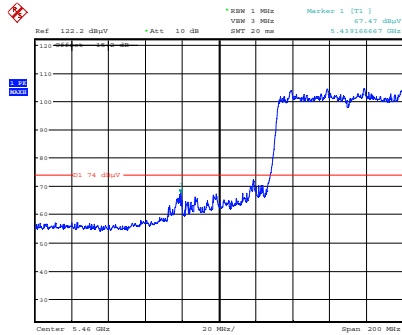
CTK Co., Ltd.

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, 449-100, Korea

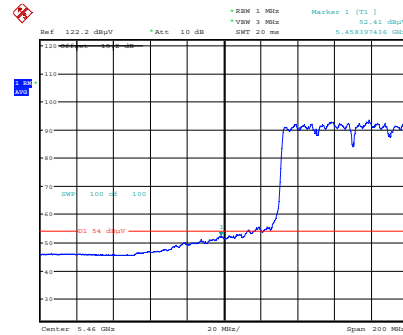
Tel: +82-31-339-9970

Fax: +82-31-624-9501

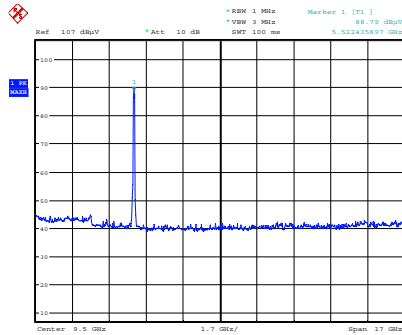
www.e-ctk.com



Date: 5.JUN.2015 12:27:03

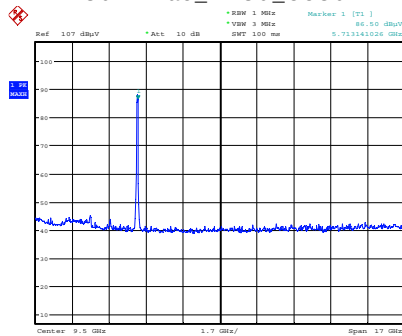


Date: 5.JUN.2015 12:28:40



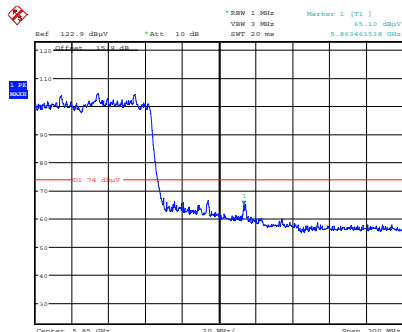
Date: 5.JUN.2015 12:26:20

802.11ac_HT80_5530 MHz

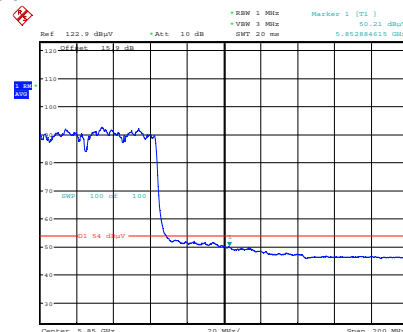


Date: 5.JUN.2015 12:29:25

802.11ac_HT80_5690 MHz

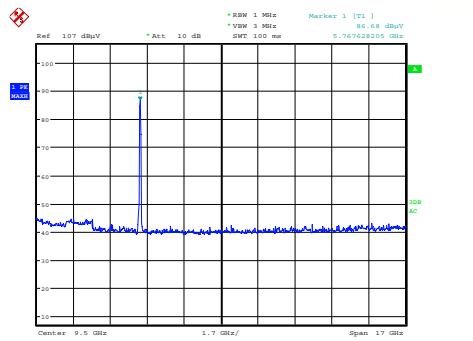


Date: 5.JUN.2015 12:31:39



Date: 5.JUN.2015 12:32:47

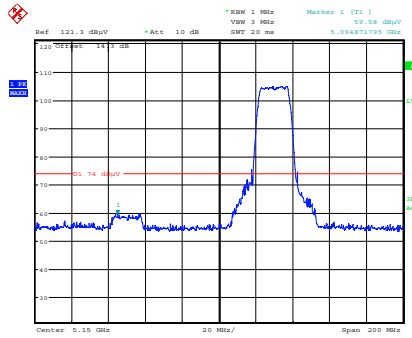
802.11ac_HT80_5775 MHz



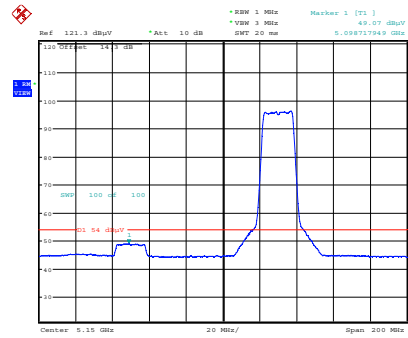
Date: 5 JUN 2015 18:05:06

802.11ac_HT80_5775 MHz

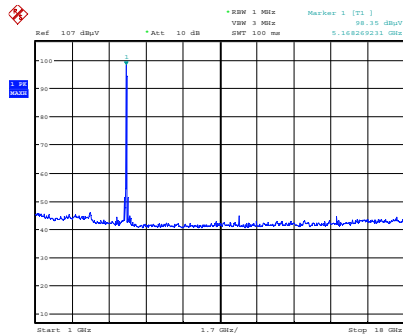
Patch ANT : M1 + M2 + M3 (802.11a)



Date: 4.JUN.2015 17:30:04

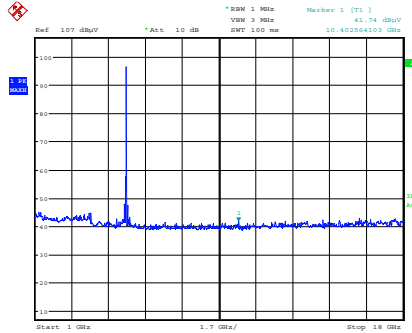


Date: 4.JUN.2015 17:29:08

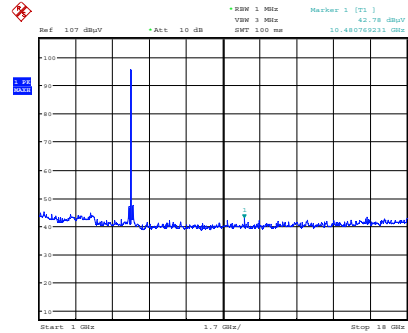


Date: 4.JUN.2015 16:29:37

802.11a _5180 MHz

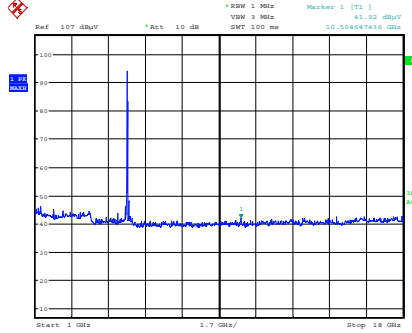


Date: 4.JUN.2015 17:34:38



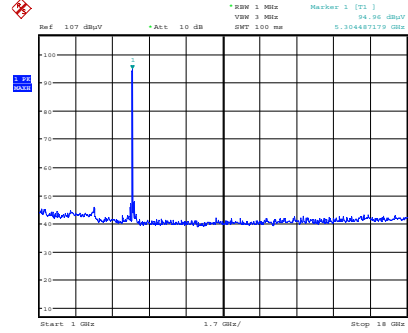
Date: 4.JUN.2015 17:36:02

802.11a _5200 MHz



Date: 4.JUN.2015 17:36:55

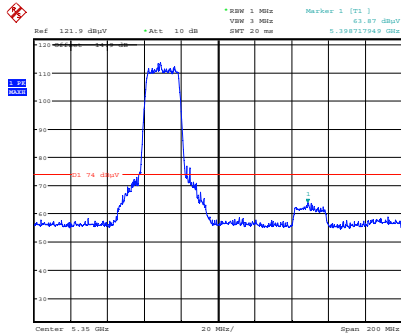
802.11a _5240 MHz



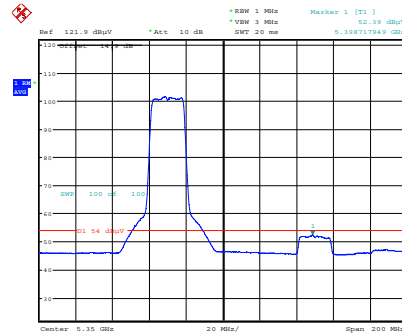
Date: 4.JUN.2015 17:39:24

802.11a _5260 MHz

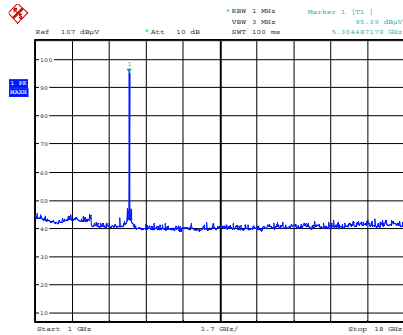
802.11a _5300 MHz



Date: 4.JUN.2015 17:43:07

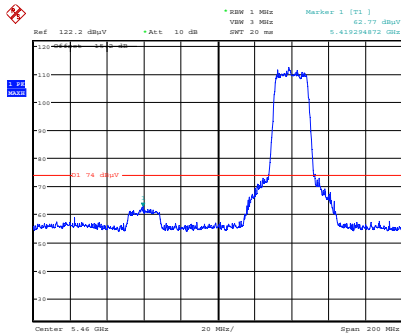


Date: 4.JUN.2015 17:45:03

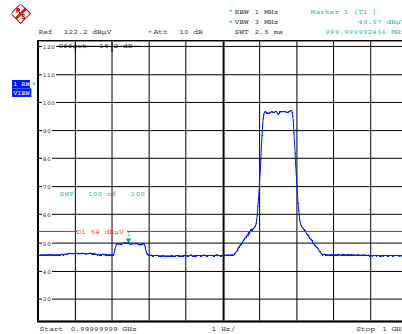


Date: 4.JUN.2015 17:46:47

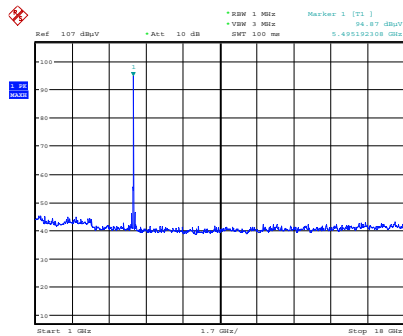
802.11a _5320 MHz



Date: 4.JUN.2015 17:48:13

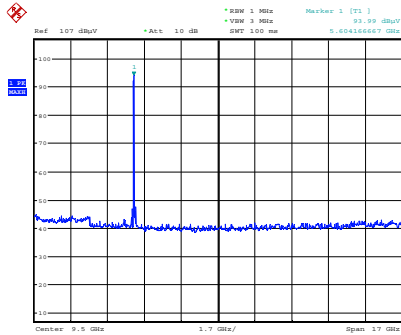


Date: 4.JUN.2015 17:48:56



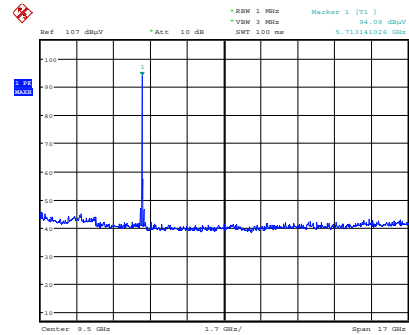
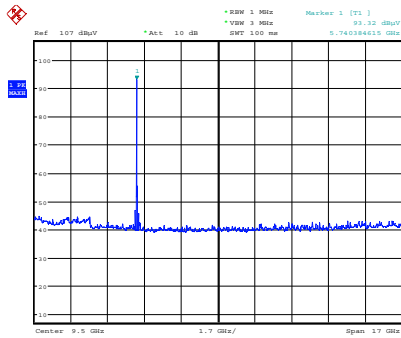
Date: 4.JUN.2015 17:47:05

802.11a _5500 MHz



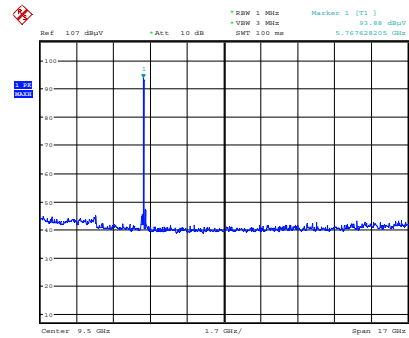
Date: 4.JUN.2015 17:49:31

802.11a_5600 MHz



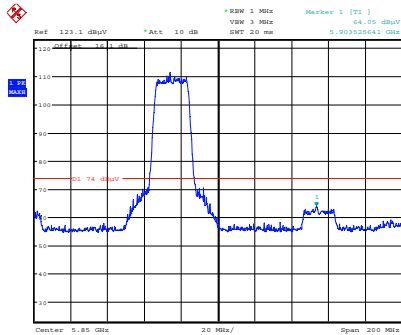
Date: 4.JUN.2015 17:50:15

802.11a_5720 MHz



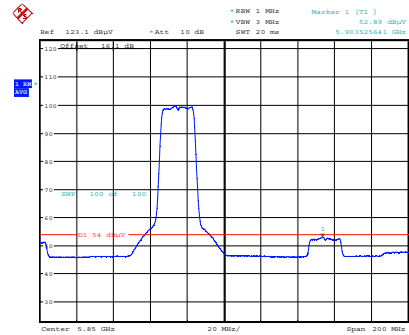
Date: 4.JUN.2015 17:50:54

802.11a_5745 MHz



Date: 4.JUN.2015 17:51:32

802.11a_5785 MHz

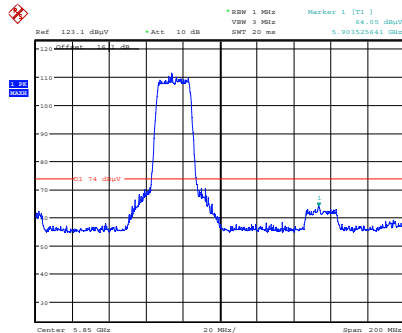


Date: 4.JUN.2015 17:55:08

802.11a_5825 MHz



Date: 4.JUN.2015 17:56:46



Date: 4.JUN.2015 17:55:08

802.11a_5825 MHz

4) above 1 GHz_Radiated Spurious Emission Measurements

Test mode : 802.11a

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Dipole ANT M1+M2+M3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5180 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.40(5200 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5240 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5260 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5300 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.64(5320 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5500 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5600 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.144(5720 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5745 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5785 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.165(5825 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11a

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Dipole ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5180 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.40(5200 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5240 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5260 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5300 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.64(5320 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5500 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5600 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.144(5720 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5745 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5785 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.165(5825 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11n_HT20

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Dipole ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5180 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.40(5200 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5240 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5260 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5300 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.64(5320 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5500 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5600 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.144(5720 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5745 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5785 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.165(5825 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11ac_VHT20

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Dipole ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5180 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.40(5200 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5240 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5260 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5300 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.64(5320 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5500 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5600 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.144(5720 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5745 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5785 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.165(5825 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11n_HT40

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Dipole ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5190 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5230 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5270 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5310 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5510 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5590 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.



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Ch.140(5710 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5755 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5795 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11ac_VHT40

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Dipole ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5190 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5230 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5270 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5310 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5510 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5590 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.



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Ch.140(5710 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5755 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5795 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11ac_VHT80

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Dipole ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5210 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5290 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5530 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.132(5690 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5775 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11a

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Patch ANT M1+M2+M3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5180 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.40(5200 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5240 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5260 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5300 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.64(5320 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5500 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5600 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.144(5720 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5745 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5785 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.165(5825 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11a

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Patch ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5180 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.40(5200 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5240 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5260 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5300 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.64(5320 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5500 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5600 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.144(5720 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5745 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5785 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.165(5825 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11n_HT20

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Patch ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5180 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.40(5200 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5240 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5260 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5300 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.64(5320 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5500 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5600 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.144(5720 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5745 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5785 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.165(5825 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11ac_VHT20

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Patch ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5180 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.40(5200 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5240 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5260 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5300 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.64(5320 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5500 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5600 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.144(5720 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5745 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5785 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.165(5825 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11n_HT40

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Patch ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5190 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5230 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5270 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5310 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5510 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5590 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.



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Ch.140(5710 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5755 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5795 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11ac_VHT40

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Patch ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5190 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.48(5230 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5270 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.60(5310 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5510 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.120(5590 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.



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Ch.140(5710 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5755 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.157(5795 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test mode : 802.11ac_VHT80

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Patch ANT A1+A2+A3	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Ch.36(5210 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.52(5290 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.100(5530 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.132(5690 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Ch.149(5775 MHz)

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

Test Results

1) 9 kHz to 30 MHz

Test mode : Receiver

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	9 kHz – 30 MHz
Mode	Receiver	Detector function	Quasi-Peak

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
-	-	-	See note

Note :

The amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB)

2) 30 MHz to 1 GHz

Test mode : Receiver

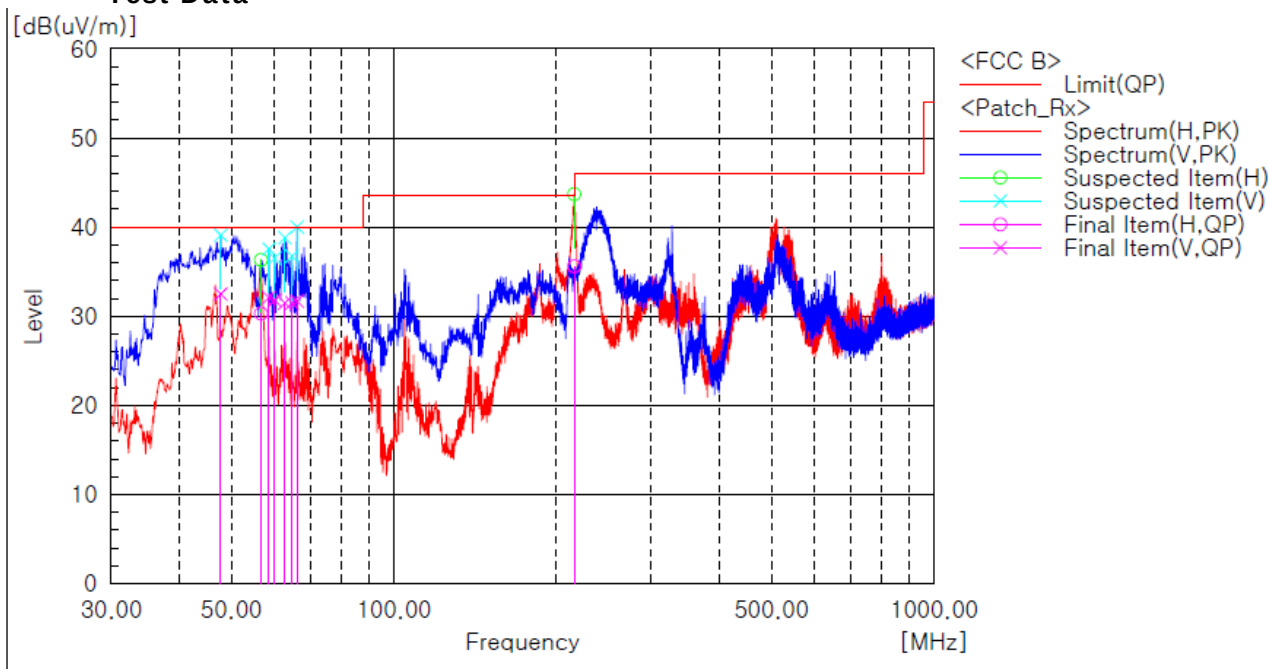
EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	Below 1000MHz
Mode	Receiver	Detector function	Quasi-Peak / Peak

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
47.824	32.5	7.5	Quasi-Peak

Test Data



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	47.824	V	45.2	-12.7	32.5	40.0	7.5	100.0	234.0
2	56.796	H	43.5	-13.2	30.3	40.0	9.7	308.0	52.0
3	58.736	V	45.6	-13.5	32.1	40.0	7.9	100.0	85.0
4	60.191	V	45.4	-13.6	31.8	40.0	8.2	100.0	47.0
5	62.859	V	45.3	-13.8	31.5	40.0	8.5	100.0	47.0
6	64.799	V	45.5	-14.0	31.5	40.0	8.5	100.0	47.0
7	66.254	V	45.8	-14.1	31.7	40.0	8.3	100.0	122.0
8	215.876	H	48.6	-13.0	35.6	43.5	7.9	100.0	164.0

Remark :

1. The field strength of spurious emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(Z axis) and the worst case was recorded.

Test mode : Receiver

EUT	WLAN Access Point	Measurement Detail	
Model	WEA403e	Frequency Range	1-40GHz
Mode	Receiver	Detector function	Average / Peak

Remarks

We have tested three mode (X, Y, Z). The worst mode (X axis) for final test.

The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
No emissions were detected at a level greater than 20dB below limit.			

Frequency [MHz]	(P)	Reading AV [dB(uV)]	Reading PK [dB(uV)]	Factor [dB(1/m)]	Level AV [dB(uV/m)]	Level PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin AV [dB]	Margin PK [dB]
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No emissions were detected at a level greater than 20dB below limit.

2.1.9 AC Conducted Emissions

Test Location

Shielded Room

Frequency Range of Measurement

150 kHz to 30 MHz

Instrument Settings

IF Band Width: 9 kHz

Test Procedures

The EUT was placed on a non-metallic table 0.8m above the metallic, grounded floor and 0.4m from the reference ground plane wall. The distance to other metallic surfaces was at least 0.8m.

Amplitude measurements were performed with a quasi-peak detector and an average detector.

Limit

- 15.207(a)

Frequency (MHz)	Conducted Limit (dBuV)	
	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.

Test Results

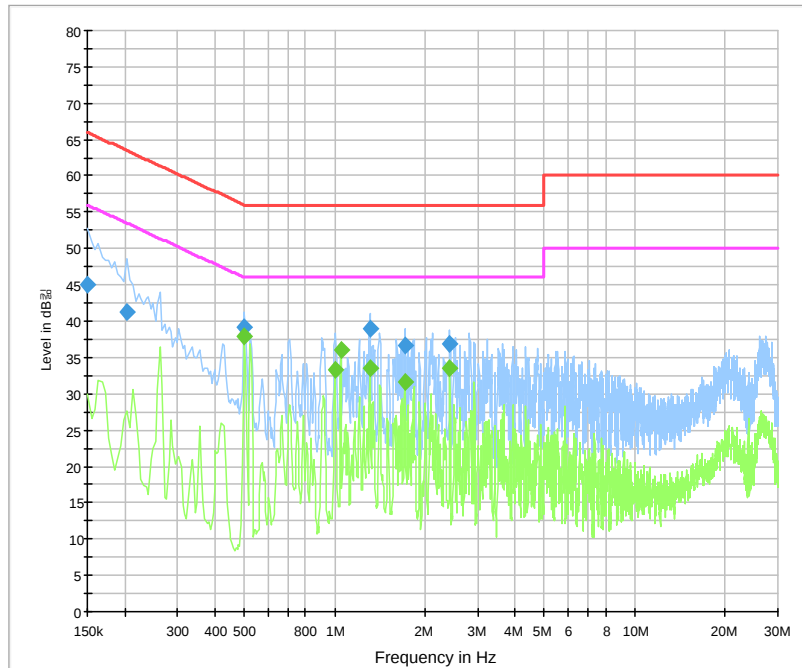
The requirements are:

☒ Complies

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
0.501	39.2	6.8	Average

Test Data

[HOT]
CISPR 22 Class B_L1



Final Result 1

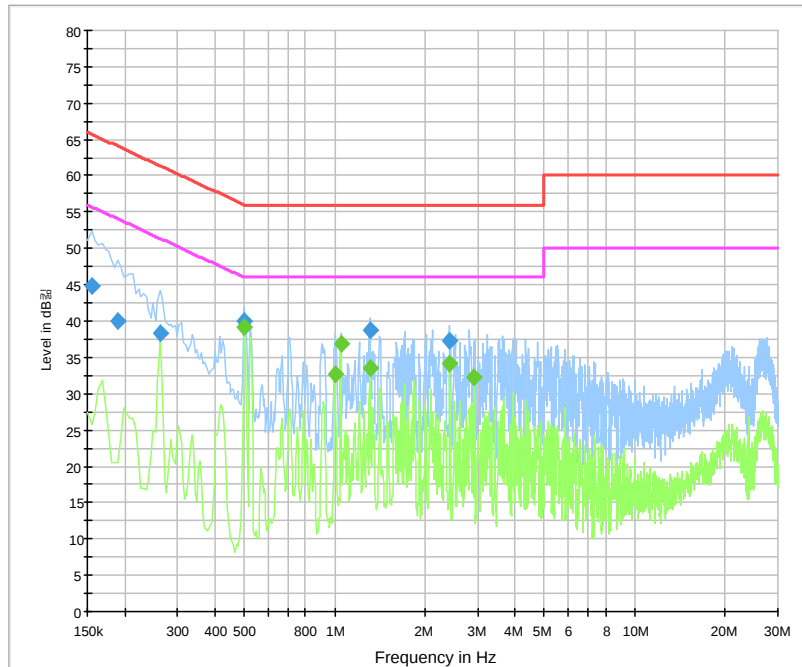
Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	45.1	1000.0	9.000	On	L1	9.7	20.9	66.0
0.204000	41.2	1000.0	9.000	On	L1	9.8	22.2	63.4
0.501000	39.2	1000.0	9.000	On	L1	9.9	16.8	56.0
1.311000	38.9	1000.0	9.000	On	L1	9.7	17.1	56.0
1.711500	36.6	1000.0	9.000	On	L1	9.7	19.4	56.0
2.418000	36.8	1000.0	9.000	On	L1	9.8	19.2	56.0

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.501000	38.0	1000.0	9.000	On	L1	9.9	8.0	46.0
1.000500	33.3	1000.0	9.000	On	L1	9.7	12.7	46.0
1.050000	35.9	1000.0	9.000	On	L1	9.7	10.1	46.0
1.311000	33.4	1000.0	9.000	On	L1	9.7	12.6	46.0
1.711500	31.7	1000.0	9.000	On	L1	9.7	14.3	46.0
2.418000	33.6	1000.0	9.000	On	L1	9.8	12.4	46.0

[NEUTRAL]

CISPR 22 Class B_N



Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.154500	44.7	1000.0	9.000	On	N	9.7	21.0	65.8
0.190500	40.0	1000.0	9.000	On	N	9.8	24.0	64.0
0.262500	38.3	1000.0	9.000	On	N	9.6	23.1	61.4
0.501000	40.1	1000.0	9.000	On	N	9.9	15.9	56.0
1.311000	38.7	1000.0	9.000	On	N	9.7	17.3	56.0
2.413500	37.2	1000.0	9.000	On	N	9.8	18.8	56.0

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.501000	39.2	1000.0	9.000	On	N	9.9	6.8	46.0
1.000500	32.6	1000.0	9.000	On	N	9.7	13.4	46.0
1.050000	36.8	1000.0	9.000	On	N	9.7	9.2	46.0
1.311000	33.6	1000.0	9.000	On	N	9.7	12.4	46.0
2.418000	34.1	1000.0	9.000	On	N	9.8	11.9	46.0
2.922000	32.3	1000.0	9.000	On	N	9.7	13.7	46.0

APPENDIX A – Test Equipment Used For Tests

	Name of Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Signal Analyzer	Agilent	N9020A	MY48011598	2014-11-07	2015-11-07
2	Spectrum Analyzer	Rohde & Schwarz	FSP-30	100994	2014-11-07	2015-11-07
3	EMI Test Receiver	Rohde & Schwarz	ESC17	100814	2014-12-05	2015-12-05
4	EMI Test Receiver	Rohde & Schwarz	ESC17	100816	2014-12-05	2015-12-05
5	Active Loop Antenna	SCHWARZBECK	FMZB 1513	1513-126	2014-05-19	2016-05-19
6	Attenuator	HP	8498A	1801A06913	2014-11-11	2015-11-11
7	EPM Series Power Meter	HP	E4418A	GB38272734	2014-11-17	2015-11-17
8	Power Sensor	HP	8487A	3318A03524	2015-02-06	2016-02-06
9	Audio Analyzer	HP	8903B	2747A03432	2014-11-10	2015-11-10
10	ESG-D Series Signal Generator	Agilent	E4432B	US40054094	2014-11-12	2015-11-12
11	SYNTHESIZED SWEEPER	HP	8341B	2819A01563	2014-11-14	2015-11-14
12	Attenuator	HP	8494A	3308A33351	2014-11-07	2015-11-07
13	Temp&Humi Chamber	Kunpoong	JT-TH-556-1	9QE5-002	2015-01-16	2016-01-16
14	Temp&Humi Chamber	Kunpoong	JT-TH-556-2	9QE5-003	2015-01-16	2016-01-16
15	Temp&Humi Chamber	ESPEC CORP.	SH-241	92000872	2014-08-18	2015-08-18
16	DC POWER SUPPLY	Agilent	E3632A	MY40011638	2014-11-07	2015-11-07
17	Horn Antenna	ETS-Lindgren	3115	00078894	2013-05-13	2015-05-13
18	Horn Antenna	ETS-Lindgren	3116	00062504	2013-05-27	2015-05-27
19	Horn Antenna	ETS-Lindgren	3117	00154525	2013-07-03	2015-07-03
20	OPT H64 AMPLIFIER	HP	8447F	3113A06814	2015-02-06	2016-02-06
21	PREAMPLIFIER	Agilent	8449B	3008A02307	2014-10-24	2015-10-24
22	Radio Communication Tester	Rohde & Schwarz	CMU200	106765	2015-02-02	2016-02-02
23	LISN	Rohde & Schwarz	ENV216	101235	2014-07-30	2015-07-30
24	LISN	Rohde & Schwarz	ENV216	101236	2014-07-30	2015-07-30
25	LISN	Rohde & Schwarz	ENV216	101151	2014-11-07	2015-11-07
26	DC POWER SUPPLY	Agilent	E3632A	MY40011638	2014-11-07	2015-11-07
27	EMI Test Receiver	Rohde & Schwarz	ESC13	100032	2015-02-02	2016-02-02
28	6dB Attenuator	R&S	DNF	272.4110.50	2014-11-07	2015-11-07
29	AMPLIFIER	Sonoma Instrument Co.	310	291721	2015-02-02	2016-02-02
30	EMI Test Receiver	Rohde & Schwarz	ESU40	100336	2014-05-15	2015-05-15
31	Signal Generator	Rohde & Schwarz	SMBV100A	258008	2014-08-21	2015-08-21
32	Bilog Antenna	Schaffner	CBL6111C	2551	2014-05-08	2016-05-08