

TEST REPORT

Report Number: R16238088-E28

Applicant : Samsung Electronics Co Ltd
129, Samsung-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, 16677, Rep. of Korea

Model : SC-56G, SCG39

FCC ID : A3LSMF976JPN

EUT Description : GSM/WCDMA/LTE/NR/SCS Phone + BT/BLE, DTS/UNII
a/b/g/n/ac/ax/be, UWB, WPT and NFC

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C
FCC 47 CFR PART 15 SUBPART E
FCC 47 CFR PART 2, PART 27, PART 22, PART 24
ISED RSS-247 Issue 4
ISED RSS-GEN Issue 5 +A1+A2
ISED RSS-199 ISSUE 4, RSS-132 ISSUE 4, RSS-130 ISSUE 2

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REVISION HISTORY

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Samsung Electronics Co Ltd
129, Samsung-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, 16677, Rep. of Korea

EUT DESCRIPTION: GSM/WCDMA/LTE/NR/SCS Phone + BT/BLE, DTS/UNII
a/b/g/n/ac/ax/be, UWB, WPT and NFC

SERIAL NUMBER: ZBQ0025M, ZBQ0014M, ZBQ0006M, ZBQ0053M, ZBQ0004M

SAMPLE RECEIPT DATE: 2026-03-10 and 2026-05-11

DATE TESTED: 2026-03-30 to 2026-06-02

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C	Refer to Section 2
CFR 47 Part 15 Subpart E	Refer to Section 2
ISED RSS-247 Issue 4	Refer to Section 2
ISED RSS-GEN Issue 5 +A1+A2	Refer to Section 2

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by a2La, NIST, or any agency of the U.S. government.

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2. TEST RESULTS SUMMARY

This report contains data provided by the applicant which can impact the validity of results. UL LLC is only responsible for the validity of results after the integration of the data provided by the customer.

FCC Clause	ISED Clause	Requirement	Result	Comment
See Comment		Duty Cycle	See Comment	Spot check testing performed, as per the test plan, to justify data referencing. Full testing performed as necessary
-	RSS-GEN 6.7	99% / 26dB OBW		
15.247 (a)(2), 15.407 (e)	RSS-247 (6.3.1) (a) (7.3.4.2) (7.3.5.2)	6dB BW		
See Comment		Average Power		
15.247 (d)	RSS-247 (6.6)	Conducted Spurious Emissions		
15.247 (b) (3) 15.407 (a) (1-3), (h)(1)	RSS-247 (6.3.2) , RSS-247 7.3.1.2, 7.3.2.2, 7.3.3.2, 7.3.4.3	Output Power		
15.247 (e), 15.407 (a)(1-3)	RSS-247 (6.3.1)(b) (7.3.1.2, 7.3.2.2, 7.3.3.2, 7.3.4.3)	PSD		
15.207	RSS-GEN 8.8	AC Mains Conducted Emissions		
15.209, 15.205, 15.407 (b)(1-5)	RSS-GEN 8.9, 8.10, RSS-247 (7.3.1.3, 7.3.2.3, 7.3.3.3, 7.3.4.4)	Radiated Emissions		

Requirement Description	Requirement Clause Number (FCC)	Result	Remarks
Effective Radiated power	22.913 (a)(5)	See Comment	Spot check testing performed, as per the test plan, to justify data referencing. Full testing performed as necessary
Equivalent Isotropic Radiated power	24.232 (c), 27.50 (d) (4)		
Occupied Bandwidth	2.1049		
Band Edge and Emission Mask	2.1051, 22.917 (a), 24.238 (a), 27.53 (h)		
Out of Band Emission	2.1051, 22.917 (a), 24.238 (a), 27.53 (h)		
Frequency Stability	2.1055, 22.355, 24.235, 27.54		
Peak-to-Average Ratio	22.913 (d), 24.232 (d), 27.50 (d) (5)		
Field Strength of Spurious Radiation	2.1053, 22.917 (a), 24.238 (a), 27.53 (h)		

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024, KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, RSS-GEN Issue 5 + A1 + A2, and RSS-247 Issue 4, and KDB 484596 D01 Referencing Test Data v03.

4. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, certification # 0751.06, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building: 12 Laboratory Dr Durham, NC 27713, U.S.A	US0067	2180C	825374
☒	Building: 2800 Perimeter Park Dr. Suite B Morrisville, NC 27560, U.S.A		27265	

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	ULab
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
Power Spectral Density	2.47 dB
RF Power Measurement Direct Method Using Power Meter	1.3 dB (PK) / 0.45 dB (AV)
Unwanted Emissions, Conducted	1.94 dB
Worst Case Radiated Disturbance, 9kHz to 40 GHz	6.01 dB
Time Domain Measurements	3.39%
Temperature	0.57°C
Humidity	3.39%
DC Supply Voltages	0.57%

Uncertainty figures are valid to a confidence level of 95%.

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) –
Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE/NR/SCS Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax/be, UWB, WPT and NFC. This report covers the data referencing of the BT/BLE, DTS/UNII, UWB and WWAN radios.

6.2. WORST-CASE CONFIGURATION AND MODE

For BLE, the following testing was performed as per the provided, data referencing test plan:

Chain 1 RSE High Channel 125 kbps

Chain 1 Peak Output Power Mid Channel 500 kbps

Chain 1 PSD Mid Channel 125kbps

Chain 1 6dB / 99% BW Low Channel 500 kbps

Chain 0 Conducted Bandedge + Conducted Spurious Emissions Low Channel 125 kbps

Additionally, full chain 0 and chain 1 radiated BE were performed for GFSK and are included in this report.

For BT, the following testing was performed as per the provided, data referencing test plan:

Chain 0 High Bandedge GFSK

Chain 1 High Bandedge GFSK

MIMO High Bandedge GFSK

Chain 0 RSE High Channel GFSK

Chain 0 Peak Output Power High Channel GFSK

Chain 0 20dB / 99% BW Low Channel GFSK

Chain 0 Conducted Bandedge + Conducted Spurious Emissions High Channel GFSK

Additionally, full MIMO 1-18 GHz RSE were performed for GFSK and are included in this report.

For 2.4 WLAN, the following testing was performed as per the provided data referencing test plan:

MIMO Low Bandedge 11beEHT20 242T/RU61

MIMO 1-18 GHz RSE Mid Channel 11beEHT20 26T/RU0

MIMO PSD Low Channel 11beEHT20 26T/RU0

MIMO Peak Output Power Low Channel 11beEHT20 242T

Chain 0 6dB / 99% BW Low Channel 11b

MIMO Conducted Bandedge + Conducted Spurious emissions Low Channel 11beEHT20 242T

SISO for 802.11b was tested since Japan variant does not support MIMO 802.11b.

For 5 WLAN the following testing was performed as per the provided data referencing test plan:

MIMO Low Bandedge 5250 MHz 11beEHT160 996T+484T+242T/RU1098

MIMO High Bandedge 5320 11beEHT20 242T/RU61

MIMO Low Bandedge 5510 11a

MIMO Low Bandedge 5815 11beEHT160 996T+484T_C_RU1095

MIMO High Bandedge 5885 11beEHT20 242T RU61

MIMO Average Output Power 5700MHz 11be EHT20 106T+26T RU 83

MIMO FCC/IC PSD 5180 MHz 11be EHT20 26T RU0

MIMO 26dB / 99% BW 5180 11a

MIMO 6dB 5825, 11be EHT20 26T RU8

Additionally, full MIMO 1-18 GHz RSE were performed for 11nHT20 in the UNII-2C band and are included in this report.

For 6 WLAN the following testing was performed as per the provided data referencing test plan:

MIMO Low Bandedge 5935 11a
MIMO High Bandedge 7115 11a
MIMO RSE 7115 11a
MIMO Power 6825 MHz 11be EHT160, 484+996T Punctured (N)
MIMO FCC/IC PSD 6695 MHz 11a
MIMO 26dB / 99% BW 6105 MHz 11be EHT320 SU

For WWAN, the following testing was performed as per the provided data referencing test plan:

RSE GSM850 848.8 MHz
RSE n41 Channel 509202
RSE n41 Channel 518598
RSE GSM1950 1909.8 MHz
EIRP GSM850 848.8 MHz
EIRP n41 Channel 509202
EIRP n41 Channel 518598
EIRP GSM1950 1909.8 MHz

For UWB, the following testing was performed as per the provided data referencing test plan:

Peak Power Channel 9
960MHz-18GHz RSE Channel 9
10dB Bandwidth Channel 9

The EUT was investigated in three orthogonal orientations: X, Y, and Z. Additionally, the EUT was investigated fully opened, fully closed, and opened 90 degrees. The following orientations/positions were found to be worst case and were used for testing.

Technology	Orientation	Position
BT/BLE C1, BT/BLE/2.4 WLAN/5 WLAN/6 WLAN MIMO, GSM850 Chain A+C(C0)/n41 Chain B(C0)	X	Open
BT/BLE C0	X	90 Degrees
n41 Chain G	Y	Closed

Full conducted tabular data is included in section 7.4; however, only representative plots per test are included in section 10

For radiated emissions test data, full tabular data was reported; however, only worst-case representative plots were included.

For BLE, full bandedge testing was performed on chain 0 and chain 1. For BT and 11nHT20 in the UNII-2C band, full MIMO testing was performed for radiated spurious emissions between 1-18 GHz. For reporting purposes only one worst-case representative plot was included.

The Worst-Case scenarios for radiated emissions scans are as follows:

Technology	Test	Chain	Frequency (MHz)	Mode	Data Rate
BLE	1-18 GHz RSE	1	2480	BLE 125kbps, C1, ePA Max, (ADV)	125kbps
BT	High Bandedge	0	2480	GFSK, C0, 2480 MHz, ePA Max (V1TV)	DH5
BT	High Bandedge	1	2480	GFSK, C1, 2480 MHz, ePA Max (V1TV)	DH5
BT	High Bandedge	MIMO	2480	GFSK, MIMO, 2480 MHz, Dual QC Max (PK)	DH5
BT	1-18 GHz RSE	0	2480	GFSK, C0, 2480 MHz, ePA Max (V1TV)	DH5
2.4 WLAN	Low BE	MIMO	2412	11BeEHT20 242T/RU61 (ADV)	MSC0
2.4 WLAN	1-18 GHz RSE	MIMO	2437	11beEHT20 26T/RU0 (PK)	MCS0
5 WLAN	5.2 Low BE	MIMO	5250	11beEHT160 996T+484T+242T/RU1098 (ADV)	MCS0
5 WLAN	5.3 High BE	MIMO	5320	11beEHT20 242T/RU61 (PK)	MCS0
5 WLAN	5.6 Low BE	MIMO	5510	11a (PK)	6Mbps
5 WLAN	5.8 Low BE	MIMO	5815	11beEHT160 996T+484T C RU1095 (Pk)	MCS0
5 WLAN	5.9 High BE	MIMO	5885	11beHT20 242T RU61 (RMS)	MCS0
6 WLAN	UNII5 BE	MIMO	5935	11a(RMS) with power integration	6Mbps
6 WLAN	UNII8 BE	MIMO	7115	11a(RMS) with power integration	6Mbps
6 WLAN	1-18 GHz RSE	MIMO	7115	11a	6Mbps
GSM850	1-18 GHz RSE	A+C (C0)	848.8	GSM850, GPRS, CS1, TS1, Channel 251 848.8 MHz, Config 0	GPRS
n41	1-18 GHz RSE	B (C0)	Channel 509202	n41, BPSK, 100MHz, RB1-1, Channel 509202, Config 0	BPSK
n41	1-18 GHz RSE	G (C1)	Channel 518598	n41, 16QAM, 100MHz, RB1-1, Channel 510000, Config 1	16QAM
GSM1900	1-18 GHz RSE	B (C0)	1909.8	GSM1900, GPRS, CS1, TS1, 1909.8 MHz, Config 0	GPRS
UWB	960M-18G RSE	NA	Ch. 9	BPRF, SP3, PR10	NA

6.3. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Power Adapter	Sony	XQZ-UC11-010-236-21	NA	NA

I/O CABLES

I/O Cable List						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB-C	1	USB-C	Shielded	<3m	EUT to power adapter

TEST SETUP

The EUT is tested as a standalone device connected to an AC adapter.

SETUP DIAGRAM

Refer to R16238088-EP1c for setup diagrams

7. REUSE OF TEST DATA

7.1. INTRODUCTION

According to the manufacturer, Models SM-F976U/SM-F976U1 and Model SC-56G, SCG39 radios are electrically identical. The SM-F976U/SM-F976U1 test data shall remain representative of SC-56G, SCG39 so Model SC-56G, SCG39 leverages test data from Models SM-F976U/SM-F976U1.

The applicant takes full responsibility that the test data as referenced in this section represents compliance for this FCC ID.

7.2. DEVICES DIFFERENCES

This report covers 2 models, the model differences and the representative model is shown below:

Representative Model	Difference	Derivative Model
		SCG39
SC-56G	Hardware	Same as SC-56G
	Software	Different UI

7.3. REFERENCE DETAIL

Equipment Class	Reference FCC ID	Report Title
DTS (BLE/2.4WLAN)	A3LSMF976U	R16238088-E14a FCC BLE-2.4GHz WLAN REPORT
BT Classic	A3LSMF976U	R16238088-E13a FCC BT REPORT
5 GHz WLAN	A3LSMF976U	R16238088-E15a FCC 5GHz WLAN REPORT
6 GHz WLAN	A3LSMF976U	R16238088-E16a FCC 6GHz WLAN REPORT
UWB	A3LSMF976U	R16238088-E24a FCC UWB REPORT
WWAN	A3LSMF976U	R16238088-E2a FCC 2G_3G_WWAN REPORT R16238088-E3a FCC Part 22H_25_RSS132_B5_26_Report R16238088-E4a FCC_IC Part 24E_25_RSS133_B2_25_Report R16238088-E5a FCC_Part 27_25_RSS130_B12_13_71_Report R16238088-E6a FCC_Part 27_RSS139_B4_66_Report R16238088-E7a FCC Part 27_RSS199_B7_41_38

All test data is being referenced from the above reports, except for the following. In these instances, full testing was performed and documented within this test report.

- BLE Radiated Bandedge
- BT Classic MIMO: Radiated Spurious Emissions
- 2.4GHz 802.11b SISO: All testing.
- UNII-2C 11nHT20 MIMO: Radiated Spurious Emissions

7.4. SPOT CHECK VERIFICATION RESULTS SUMMARY

Spot check verification has been done on Model SC-56G, SCG39 for the tests listed above in section 6.2. The data from the application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the summary. The tests chosen as part of this spot-check test program were deemed to be the critical tests required to support data referencing. The remaining tests required to show compliance with the relevant requirements are considered compliant and the results of these tests can be found in the appropriate test reports filed as part of the parent variant certification.

Technology	Test	Frequency (MHz)/Channel	Remeasure Freq (GHz)	SM-F976U, SM-F976U1 Reading (dBuV/m)*	SC-56G, SCG39 Reading (dBuV/m)*	Margin <3dB Reading (dB)
BLE 125kbps, C1, ePA Max, (ADV)	1-18 RSE	2480	7.44	42.87	43.22	0.35
BLE 500kbps, C1, 2402 MHz, ePA Max	6dB BW	2402	NA	630 kHz	627 kHz	NA
BLE 500kbps, C1, 2402 MHz, ePA Max	99% BW	2402	NA	1.0080 MHz	1.0147 MHz	NA
BLE 500kbps, C1, 2440 MHz, ePA Max	PK Power	2440	NA	10.25	9.525	-0.725
BLE 125kbps, C1, 2440MHz ePA Max	PSD	2440	NA	4.885 dB	6.712 dB	1.8270
BLE 125kbps, C0, 2402 MHz, ePA Max	CBE	2402	2.4	-38.701	-36.947	1.754
BLE 125kbps, C0, 2402 MHz, ePA Max	CSPUR	2402	25.3819	-26.994	-25.08	1.914
GFSK, C0, 2480 MHz, ePA Max (V1TV)	High Bandedge	2480	2.4835	33.4	32.77	-0.63
GFSK, C1, 2480 MHz, ePA Max (V1TV)	High Bandedge	2480	2.4835	33.05	32.08	-0.97
GFSK, MIMO, 2480 MHz, Dual QC Max (PK)	High Bandedge	2480	2.4835	54.95	54.55	-0.4
GFSK, C0, 2480 MHz, ePA Max (V1TV)	1-18 RSE	2480	4.96	47.36	45.46	-1.9
BT, GFSK, 2402MHz	20dB BW	2402	NA	0.856 MHz	0.842 MHz	NA
BT, GFSK, 2402MHz	99% BW	2402	NA	0.878 MHz	0.861 MHz	NA
BT, GFSK, 2480MHz	PK Power	2480	NA	19.96	17.494	-2.466
BT, GFSK, 2480MHz	CBE	2480	2.4835	-39.887	-39.363	0.524
BT, GFSK, 2480MHz	CSPUR	2480	4.96	-39.442	-39.57	-0.128
11BeEHT20 242T/RU61 (ADV)	Low BE	2412	2.39	48.62	49.64	1.02
11beEHT20 26T/RU0 (PK)	1-18 RSE	2437	4.87594	43.54	44.91	1.37
2.4 WLAN, 11b, 2412MHz	6dB BW	2412	NA	6.68 MHz	8.32 MHz	NA
2.4 WLAN, 11b, 2412MHz	99% BW	2412	NA	13.026 MHz	10.13 Mhz	NA
2.4 WLAN, 11be EHT20 242T, 2412 MHz, 2Tx	PK Power	2412	NA	29.07 (Summed)	28.514	-0.556
2.4 WLAN, 11be EHT20 26T RU0, 2412 MHz, 2Tx	PSD	2412	NA	-1.23 (Summed)	-2.335	-1.11
2.4 WLAN, 11be EHT20 242T, 2412 MHz, 2Tx	CBE	2412	2.398	-26.493	-28.459	-1.966

Technology	Test	Frequency (MHz)/Channel	Remeasure Freq (GHz)	SM-F976U, SM-F976U1 Reading (dBuV/m)*	SC-56G, SCG39 Reading (dBuV/m)*	Margin <3dB Reading (dB)
2.4 WLAN, 11be EHT20 242T, 2412 MHz, 2Tx	CSPUR	2412	25.9775	-28.021	-27.093	0.928
11beEHT160 996T+484T+242T/RU1098 (ADV)	5.2 Low BE	5250	5.14624	51.49	48.52	-2.97
11beEHT20 242T/RU61 (PK)	5.3 High BE	5320	5.35	71.39	69.55	-1.84
11a (PK)	5.6	5500	5.467	65.97	65.82	-0.15
11beEHT160 996T+484T_C_RU1095 (Pk)	5.8 Low BE	5815	5.629	-29.87	-29.33	0.54
11beHT20 242T RU61 (RMS)	5.9 HIGH BE	5885	5895	-7.99	-6.74	1.25
5 WLAN, 11be EHT20 26T RU8, 5825MHz	6dB BW	5825	NA	2.080 MHz	2.160 MHz	NA
5 WLAN, 11a 6Mbps, 5180MHz	99% BW	5180	NA	16.762 MHz	16.804 MHz	NA
5 WLAN, 11a 6Mbps, 5180MHz	26dB BW	5180	NA	22.960 MHz	22.720 MHz	NA
5 WLAN, 11be EHT20 106T+26T RU 83, 5700MHz	Power	5700	NA	18.54 (Summed)	17.523	-1.017
5 WLAN, 11be EHT20 26T RU0, 5180MHz	PSD	5180	NA	9.99 (Summed)	9.615	-0.375
11a(RMS) with power integration	UNII5 BE	5935	5925	-29.01	-30.55	-1.54
11a(RMS) with power integration	UNII8 BE	7115	7125.124	-29.15	-29.26	-0.11
11a	1-18 RSE	7115	9.311	45.81	45.44	-0.37
6 WLAN, 11be EHT320 SU	99% BW	6105	NA	315.050 MHz	314.310 MHz	NA
6 WLAN, 11be EHT320 SU	26dB BW	6105	NA	341.120 MHz	341.760 MHz	NA
6 WLAN, 11be EHT160, 484+996T Punctured (N)	Power	6825	NA	9.45 (Summed)	7.935	-1.515
6 WLAN, 11a, 6695 MHz	PSD	6695	NA	-5.53 (Summed)	-5.522	0.008
GSM850, GPRS, CS1, TS1, Config 0	1-18 RSE	848.8	9.5797	-41.41	-43.66	-2.25
n41, BPSK, 100MHz, RB1-1, Config 0	1-18 RSE	Channel 509202	13.642	-34.55	-35.82	-1.27
n41, 16QAM, 100MHz, RB1-1, Config 1	1-18 RSE	Channel 518598	13.661	-33.9	-36.66	-2.76
GSM1900, GPRS, CS1, TS1, Config 0	1-18 RSE	1909.8	17.944	-29.54	-31.66	-2.12
GSM850 (ANT A+C), Config 0	ERP	836.6	NA	27.77	26.93	-0.84
n41 (ANT B), Config 0	EIRP	Channel 509202	NA	21.42	22.87	1.45
n41 (ANTG), Config 0	EIRP	2644.98	NA	25.53	25.66	0.13
GSM1900 (ANT B), Config 0	EIRP	1909.8	NA	27.17	25.77	-1.4

Technology	Test	Frequency (MHz)/Channel	Remeasure Freq (GHz)	SM-F976U, SM-F976U1 Reading (dBuV/m)*	SC-56G, SCG39 Reading (dBuV/m)*	Margin <3dB Reading (dB)
BPRF, SP3, PR10	PK Power	Ch. 9	8000	-1.71 dBm	-3.7 dBm	-1.99
BPRF, SP3, PR10	10dB BW	Ch. 9	8000	533.5 MHz	548.6 MHz	NA
BPRF, SP3, PR10	960M-18G RSE	Ch. 9	1.216	-79.04 dBm	-83.76 dBm	Noise Floor

Additional conducted licensed testing was performed beyond what is summarized in the above table to further support data referencing. Refer to Section 10.1.6 for details.

*NOTE: All measured data is reported in terms of dBuV/m unless specified otherwise within the table.

8. TEST AND MEASUREMENT EQUIPMENT

Test Equipment Used - Wireless Conducted Measurement Equipment

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
Conducted Room 2					
90410	Spectrum Analyzer	Keysight Technologies	N9030A	2025-07-10	2026-07-10
211055	Real-Time Peak Power Sensor 50MHz to 8GHz	Boonton	RTP5000	2025-07-30	2026-07-30
211056	Real-Time Peak Power Sensor 50MHz to 8GHz	Boonton	RTP5000	2025-07-30	2026-07-30
248881	Environmental Meter	Control Company	06-662-4	2024-04-10	2026-04-10
SOFTEMI	Antenna Port Software	UL	Version 2024.2.23		
Power Software	Boonton Power Analyzer	Boonton	Version 3.0.13.0		
Additional Equipment used					
BT0001	CBT Bluetooth Tester	Rohde & Schwarz	1153.9000.35	Cal not required	
259603	Conducted Switch Box	UL	CSB	2025-03-12	2026-03-30
226566	2.92mm Coaxial 10dB Attenuator 40GHz	Fairview Microwave	SA4014-10	2025-08-30	2026-08-30
226567	2.92mm Coaxial 10dB Attenuator 40GHz	Fairview Microwave	SA4014-10	2025-09-02	2026-09-02

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 1)

Equip. ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
1-18 GHz					
88761	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2025-11-19	2027-11-19
Gain-Loss Chains					
91979	Gain-loss string: 1-18GHz	Various	Various	2025-05-31	2026-05-31
Receiver & Software					
206496	Spectrum Analyzer	Rohde & Schwarz	ESW44	2025-07-29	2026-07-29
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
Additional Equipment used					
241205	Environmental Meter	Fisher Scientific	15-077-963	2025-08-05	2027-08-05

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 2)

Equip. ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
1-18 GHz					
86408	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2025-07-15	2027-07-15
Gain-Loss Chains					
91977	Gain-loss string: 1-18GHz	Various	Various	2025-05-31	2026-05-31
Receiver & Software					
197955	Spectrum Analyzer	Rohde & Schwarz	ESW44	2025-05-12	2026-05-12
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
Additional Equipment used					
239540	Environmental Meter	Fisher Scientific	15-077-963	2025-08-05	2027-08-05

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 4)

Equip. ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
1-18 GHz					
135143	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2026-03-02	2028-03-02
Gain-Loss Chains					
207640	Gain-loss string: 1-18GHz	Various	Various	2025-06-13	2026-06-13
Receiver & Software					
197954	Spectrum Analyzer	Rohde & Schwarz	ESW44	2025-04-21	2026-04-30
197954	Spectrum Analyzer	Rohde & Schwarz	ESW44	2026-05-13	2027-05-13
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
Additional Equipment used					
241204	Environmental Meter	Fisher Scientific	15-077-963	2025-08-05	2027-08-05

9. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.
KDB 789033 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

BLE and 2.4 WLAN

Mode	ON Time B (ms)	Period (ms)	Duty Cycle x (linear)	Duty Cycle (%)	Voltage Duty Cycle Correction Factor (dB)	RMS Duty Cycle Correction Factor (dB)
BLE 125kbps	17.050	18.100	0.942	94.20	0.52	0.26
BLE 500kbps	4.560	5.320	0.857	85.70	1.34	0.67
BLE 1Mbps	2.130	2.500	0.852	85.20	1.39	0.70
BLE 2Mbps	1.075	1.405	0.765	76.50	2.33	1.16
802.11b	8.850	9.050	0.978	97.80	0.19	0.10
802.11g	1.460	1.660	0.880	88.00	1.11	0.56
802.11n HT20	0.635	0.755	0.841	84.10	1.50	0.75
802.11be HE20 26T	2.592	2.624	0.988	98.80	0.00	0.00
802.11be HE20 52T	2.592	2.622	0.989	98.90	0.00	0.00
802.11be HE20 52T+26T	1.985	2.024	0.981	98.10	0.00	0.00
802.11be HE20 106T	1.424	1.454	0.979	97.90	0.18	0.09
802.11be HE20 106T+26T	1.179	1.206	0.978	97.80	0.19	0.10
802.11be HE20 242T	0.675	0.697	0.969	96.90	0.27	0.14

5 GHz WLAN

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	RMS Duty Cycle Correction Factor (dB)	Voltage Duty Cycle Correction Factor (dB)
802.11a	1.807	2.014	0.897	89.72	0.47	0.94
802.11n HT20	0.648	0.746	0.868	86.84	0.61	1.23
802.11n HT40	0.331	0.430	0.770	76.98	1.14	2.27
802.11ac VHT80	1.831	1.930	0.949	94.87	0.23	0.46
802.11ac VHT160	1.834	1.934	0.948	94.83	0.23	0.46
802.11ax HE20 26T	2.595	2.613	0.993	99.31	0.00	0.00
802.11ax HE20 52T	2.592	2.611	0.993	99.27	0.00	0.00
802.11ax HE20 106T	1.435	1.454	0.987	98.69	0.00	0.00
802.11ax HE20 242T	0.675	0.694	0.973	97.31	0.12	0.24
802.11ax HE40 484T	0.923	0.942	0.980	97.98	0.09	0.18
802.11ax HE80 484+242T	0.643	0.662	0.972	97.18	0.12	0.25
802.11ax HE80 996T	0.487	0.506	0.962	96.19	0.17	0.34
802.11ax HE160 996+484T	0.487	0.506	0.963	96.34	0.16	0.32
802.11ax HE160 996+484+242T	5.447	5.464	0.997	99.69	0.00	0.00
802.11ax HE160 2X996T	0.383	0.402	0.953	95.25	0.21	0.42

6 GHz WLAN

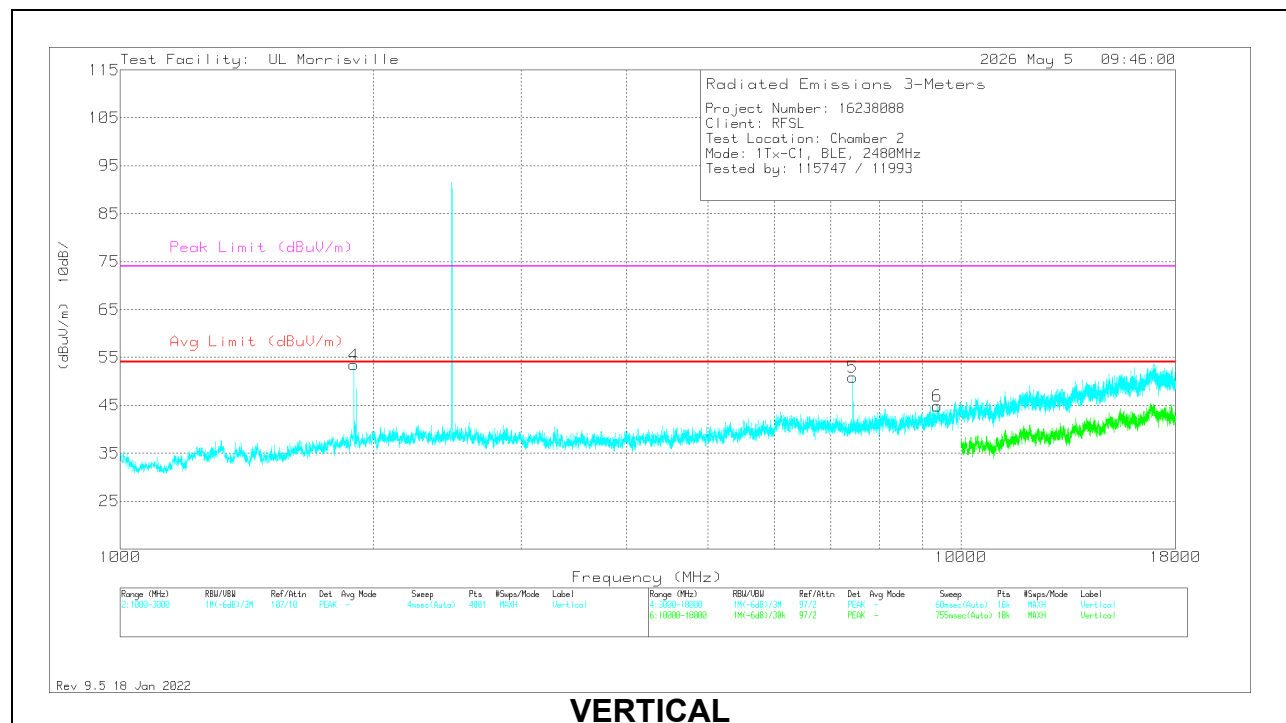
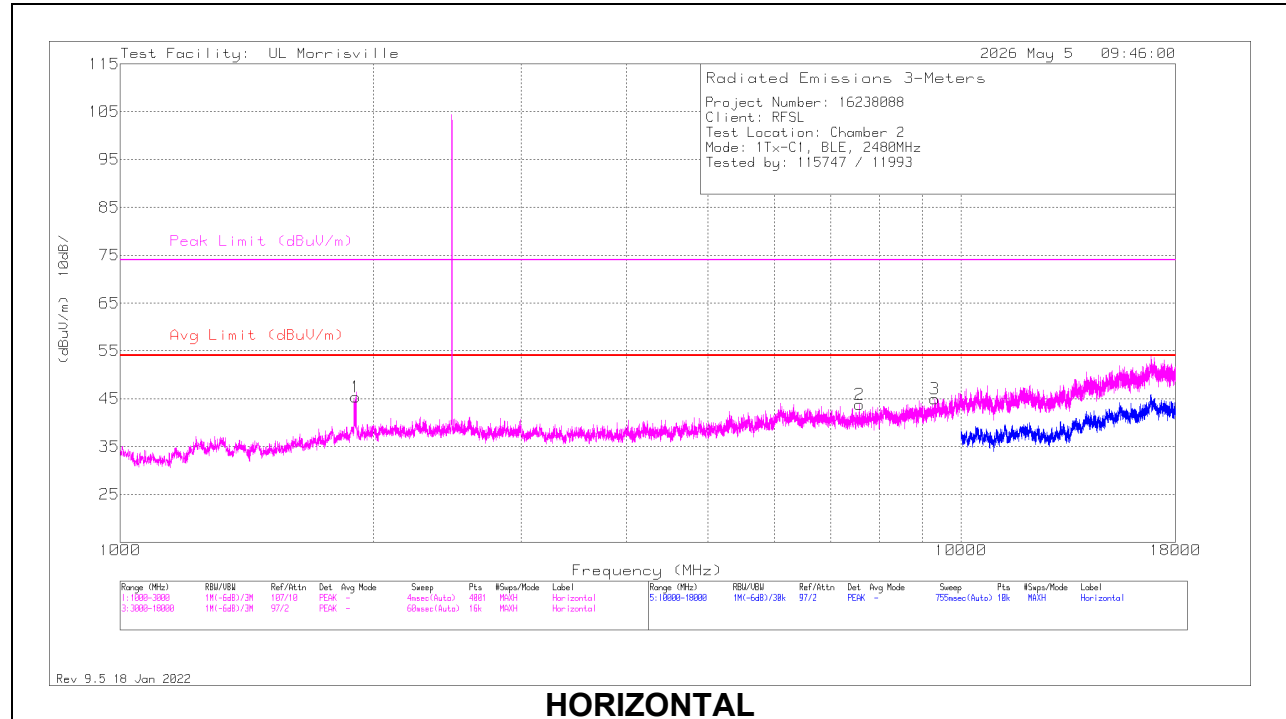
Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Voltage AV Duty Cycle Correction Factor (dB)	RMS AV Duty Cycle Correction Factor (dB)
802.11a CDD	1.462	1.563	0.935	93.54	0.58	0.29
802.11be EHT20 26T	2.595	2.615	0.992	99.24	0.00	0.00
802.11be EHT20 52T	2.583	2.603	0.992	99.23	0.00	0.00
802.11be EHT20 52T+26T	1.998	2.020	0.989	98.91	0.00	0.00
802.11be EHT20 106T	1.433	1.453	0.986	98.62	0.00	0.00
802.11be EHT20 106T+26T	1.178	1.198	0.983	98.33	0.00	0.00
802.11be EHT20 242T	2.387	2.407	0.992	99.17	0.00	0.00
802.11be EHT40 484T	2.383	2.402	0.992	99.21	0.00	0.00
802.11be EHT80 484T+242T	2.379	2.397	0.992	99.25	0.00	0.00
802.11be EHT80 996T	2.419	2.440	0.991	99.14	0.00	0.00
802.11be EHT160 996T+484T	2.407	2.424	0.993	99.30	0.00	0.00
802.11be EHT160 996T+484T+242T	5.443	5.466	0.996	99.58	0.00	0.00
802.11be EHT160 2*996T	2.414	2.433	0.992	99.22	0.00	0.00
802.11be EHT320 2*996T+484T	1.965	1.985	0.990	98.99	0.00	0.00
802.11be EHT320 3*996T	1.639	1.657	0.989	98.91	0.00	0.00
802.11be EHT320 3*996T+484T	1.426	1.446	0.986	98.62	0.00	0.00
802.11be EHT320 SU	5.443	5.465	0.996	99.60	0.00	0.00

NOTE: Duty cycle is being leveraged from the original certification. No new measurements were made for this test. Example duty cycle plots can be found in the corresponding reports listed in section 7.2

10. DATA REFERENCING

10.1. BLE TX ABOVE 1 GHz MODE

10.1.1. REPRESENTATIVE HARMONICS (Chain 1, 125kbps, 2480 MHz)



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 1905.5	38.78	Pk	30.9	-24.3	0	45.38	54	-8.62	74	-28.62	0-360	101	H
4	** 1896.196	44.12	PK2	30.9	-23.2	0	51.82	-	-	74	-22.18	352	289	V
	** 1895.916	21.01	ADV	30.9	-23.1	.52	29.33	54	-24.67	-	-	352	289	V
2	*** 7571.25	50.4	Pk	35.6	-42.2	0	43.8	54	-10.2	74	-30.2	0-360	101	H
3	*** 9302.813	49.42	Pk	36.3	-40.7	0	45.02	54	-8.98	74	-28.98	0-360	199	H
5	*** 7439.273	60.5	PK2	35.5	-42.5	0	53.5	-	-	74	-20.5	36	106	V
	*** 7439.289	53.79	ADV	35.5	-42.5	.52	47.31	54	-6.69	-	-	36	106	V
6	*** 9370.313	49.56	Pk	36.4	-41.1	0	44.86	54	-9.14	74	-29.14	0-360	199	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

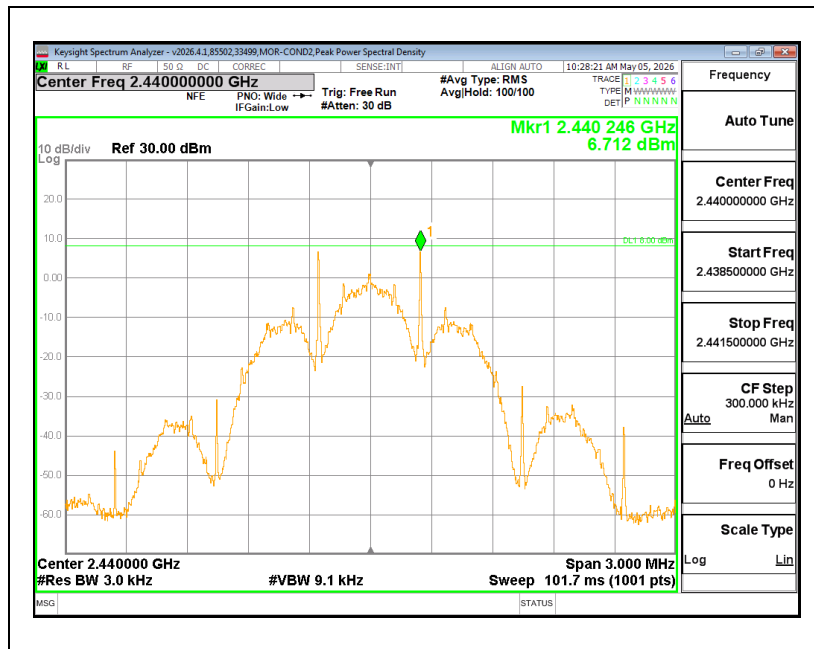
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

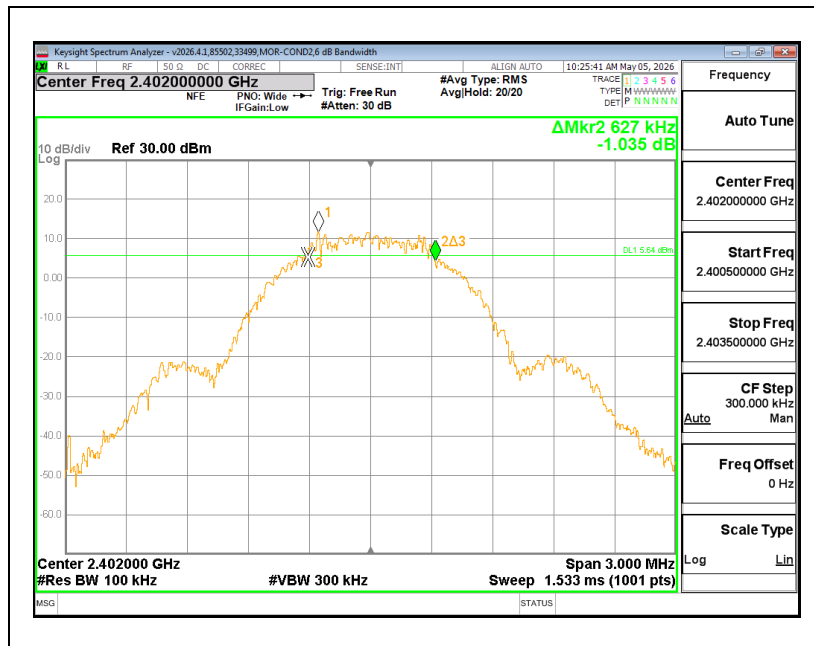
PK2 - Maximum Peak

ADV - Linear Voltage Average

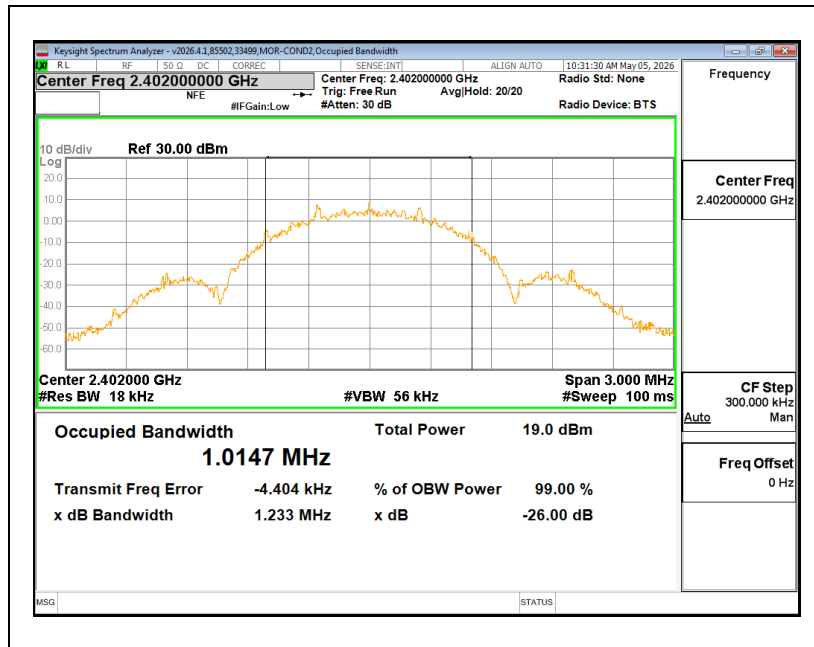
10.1.2. PSD REFERENCE PLOT (Chain 1, 125kbps, 2440 MHz)



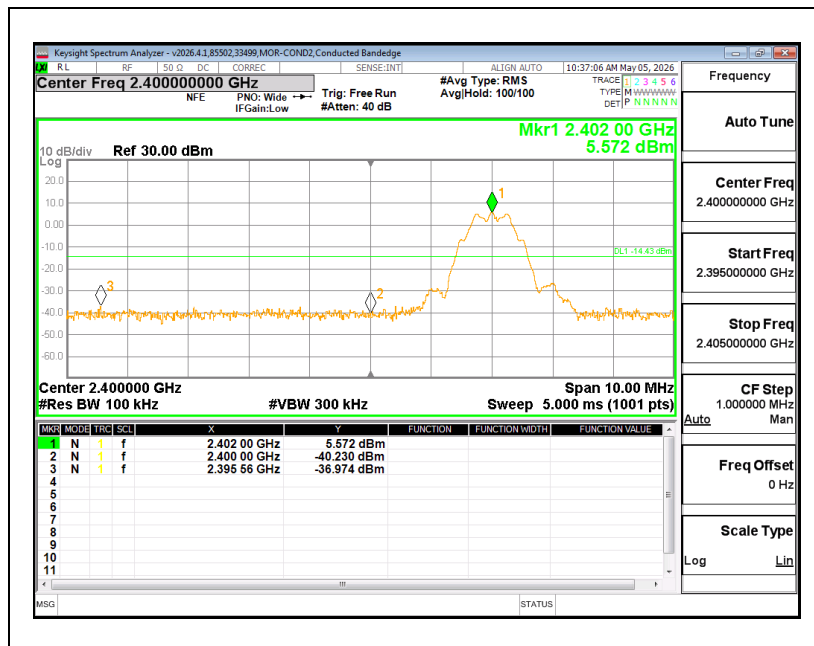
10.1.3. 6dB REFERENCE PLOT (Chain 1, 500kbps, 2402 MHz)



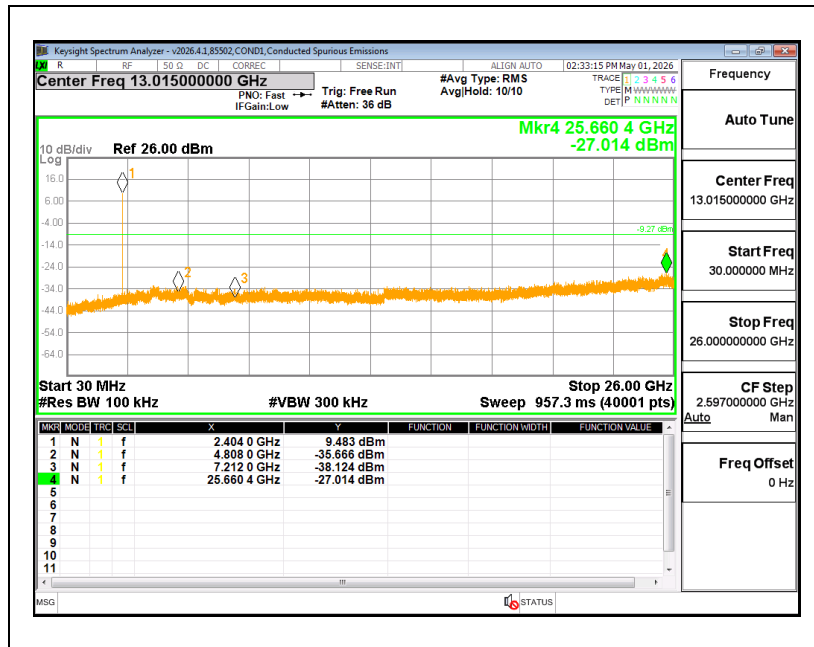
10.1.4. 99% BW REFERENCE PLOT (Chain 1, 500kbps, 2402 MHz)



10.1.5. CBE REFERENCE PLOT (Chain 0, 125kbps, 2402 MHz)

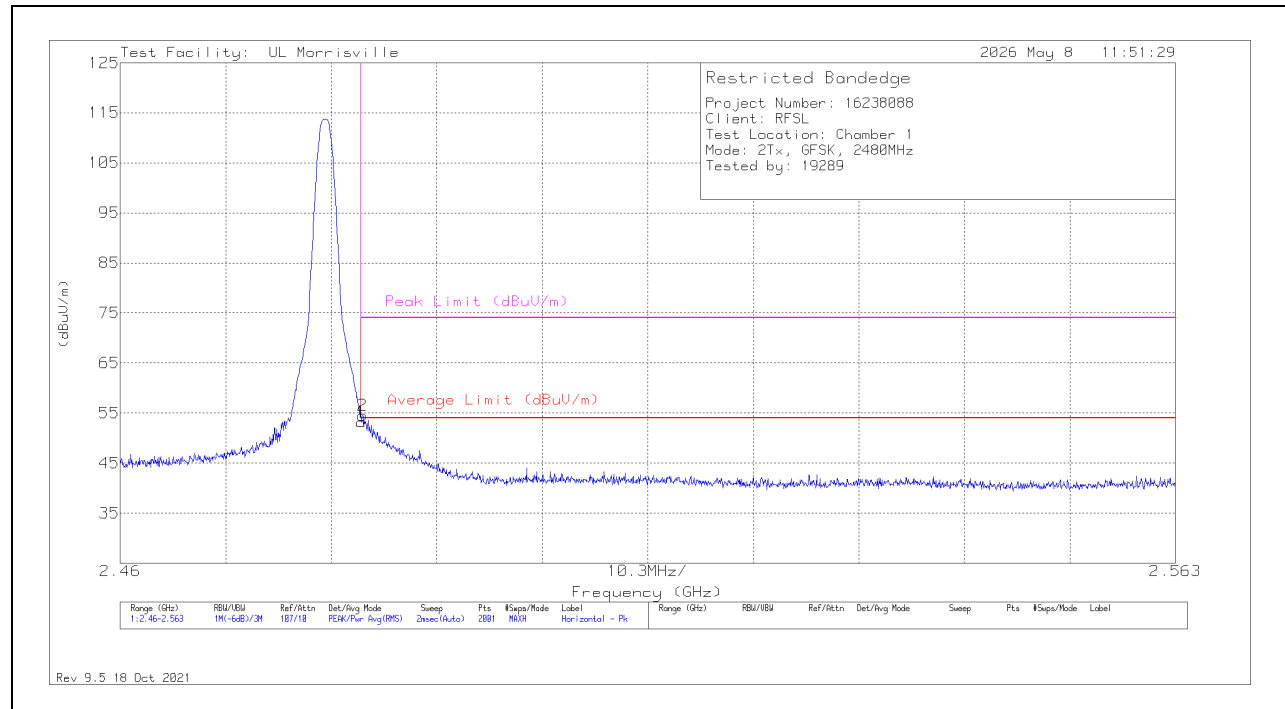


10.1.6. CSPUR REFERENCE PLOT (Chain 0, 2Mbps, 2402 MHz)



10.2. BT CLASSIC TX ABOVE 1 GHz MODE

10.2.1. REPRESENTATIVE BANDEDGE (2480 MHz) HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	45.31	Pk	32.3	-24.4	0	53.21	-	-	74	-20.79	285	152	H
	* ** 2.48354	45.31	Pk	32.3	-24.4	-24	29.21	54	-24.79	-	-	285	152	H
2	* ** 2.48364	46.65	Pk	32.3	-24.4	0	54.55	-	-	74	-19.45	285	152	H
	* ** 2.48364	46.65	Pk	32.3	-24.4	-24	30.55	54	-23.45	-	-	285	152	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

Average value was determined by subtracting the DCCF from the maximum peak value. The DCCF was calculated based on the worst case on-time when the device transmits DH5 packets and operates on 20 channels (5/1600 s per hop = 3.125 ms per channel). In this mode, the device will have a maximum of 2 hops on a channel in 100ms or 2x 3.125 ms = 6.25 ms on any channel. Therefore, $20\log(6.25 / 100) = -24\text{dB}$.

BANEDGE TEST DATA

Mode	Chain	Fund Freq [MHz]	Marker	Meas Freq. (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BT GFSK	0	2480	1	*** 2.48354	38.44	Pk	32.3	-24.4	0	46.34	-	-	74	-27.66	248	152	H
			2	*** 2.48364	38.78	Pk	32.3	-24.4	0	46.68	-	-	74	-27.32	248	152	H
			3	*** 2.48354	24.87	V1TV	32.3	-24.4	0	32.77	54	-21.23	-	-	248	152	H
			4	*** 2.48379	24.73	V1TV	32.3	-24.4	0	32.63	54	-21.37	-	-	248	152	H
			1	*** 2.48354	33.82	Pk	32.3	-24.4	0	41.72	-	-	74	-32.28	93	108	V
			2	*** 2.48529	35.02	Pk	32.3	-24.5	0	42.82	-	-	74	-31.18	93	108	V
			3	*** 2.48354	21.93	V1TV	32.3	-24.4	0	29.83	54	-24.17	-	-	93	108	V
			4	** 2.5045	21.89	V1TV	32.3	-24.2	0	29.99	54	-24.01	-	-	93	108	V
	1		1	*** 2.48354	40.94	Pk	32.3	-24.4	0	48.84	-	-	74	-25.16	283	151	H
			2	*** 2.48369	41.15	Pk	32.3	-24.4	0	49.05	-	-	74	-24.95	283	151	H
			3	*** 2.48354	24.18	V1TV	32.3	-24.4	0	32.08	54	-21.92	-	-	283	151	H
			4	*** 2.48379	24.1	V1TV	32.3	-24.4	0	32	54	-22	-	-	283	151	H
			1	*** 2.48354	39.43	Pk	32.3	-24.4	0	47.33	-	-	74	-26.67	186	375	V
			2	*** 2.48369	40.61	Pk	32.3	-24.4	0	48.51	-	-	74	-25.49	186	375	V
			3	*** 2.48354	26.21	V1TV	32.3	-24.4	0	34.11	54	-19.89	-	-	186	375	V
			4	*** 2.4839	25.77	V1TV	32.3	-24.4	0	33.67	54	-20.33	-	-	186	375	V
	MIMO		1	*** 2.48354	45.31	Pk	32.3	-24.4	0	53.21	-	-	74	-20.79	285	152	H
				*** 2.48354	45.31	Pk	32.3	-24.4	-24	29.21	54	-24.79	-	-	285	152	H
			2	*** 2.48364	46.65	Pk	32.3	-24.4	0	54.55	-	-	74	-19.45	285	152	H
				*** 2.48364	46.65	Pk	32.3	-24.4	-24	30.55	54	-23.45	-	-	285	152	H
			1	*** 2.48354	39.5	Pk	32.3	-24.4	0	47.4	-	-	74	-26.6	210	367	V
				*** 2.48354	39.5	Pk	32.3	-24.4	-24	23.4	54	-30.6	-	-	210	367	V
			2	*** 2.48359	39.71	Pk	32.3	-24.4	0	47.61	-	-	74	-26.39	210	367	V
				*** 2.48359	39.71	Pk	32.3	-24.4	-24	23.61	54	-30.39	-	-	210	367	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

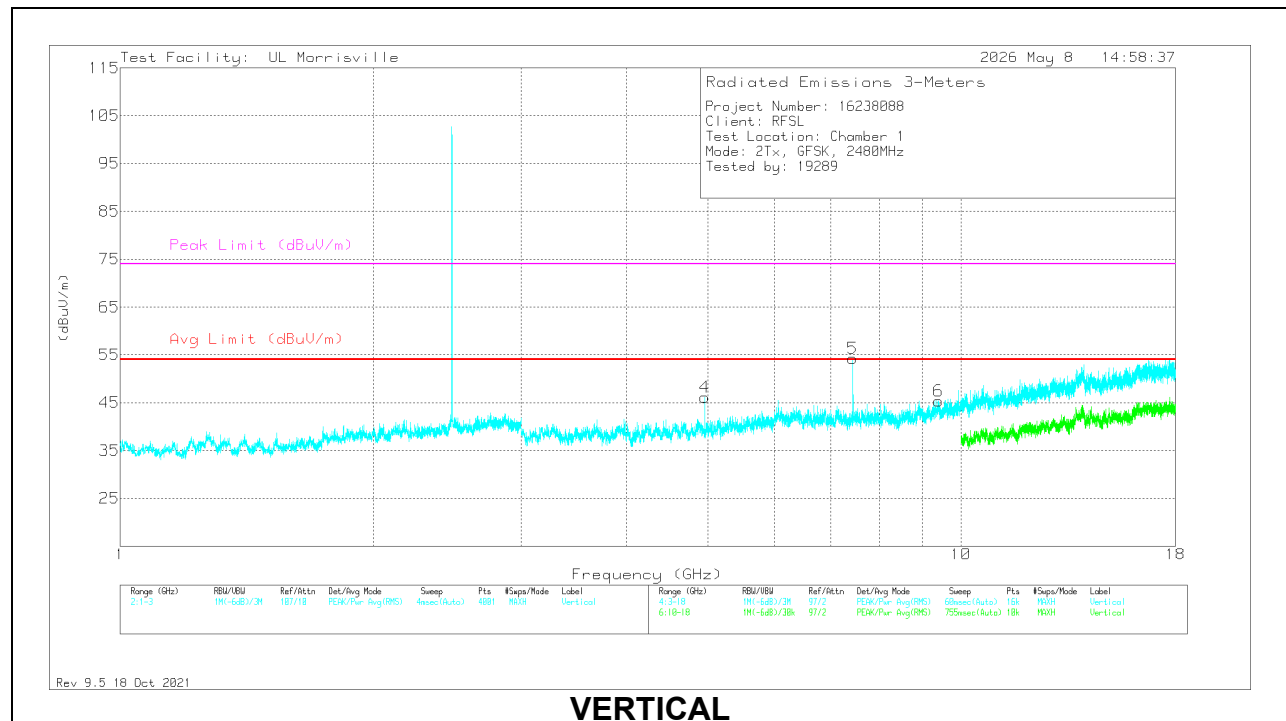
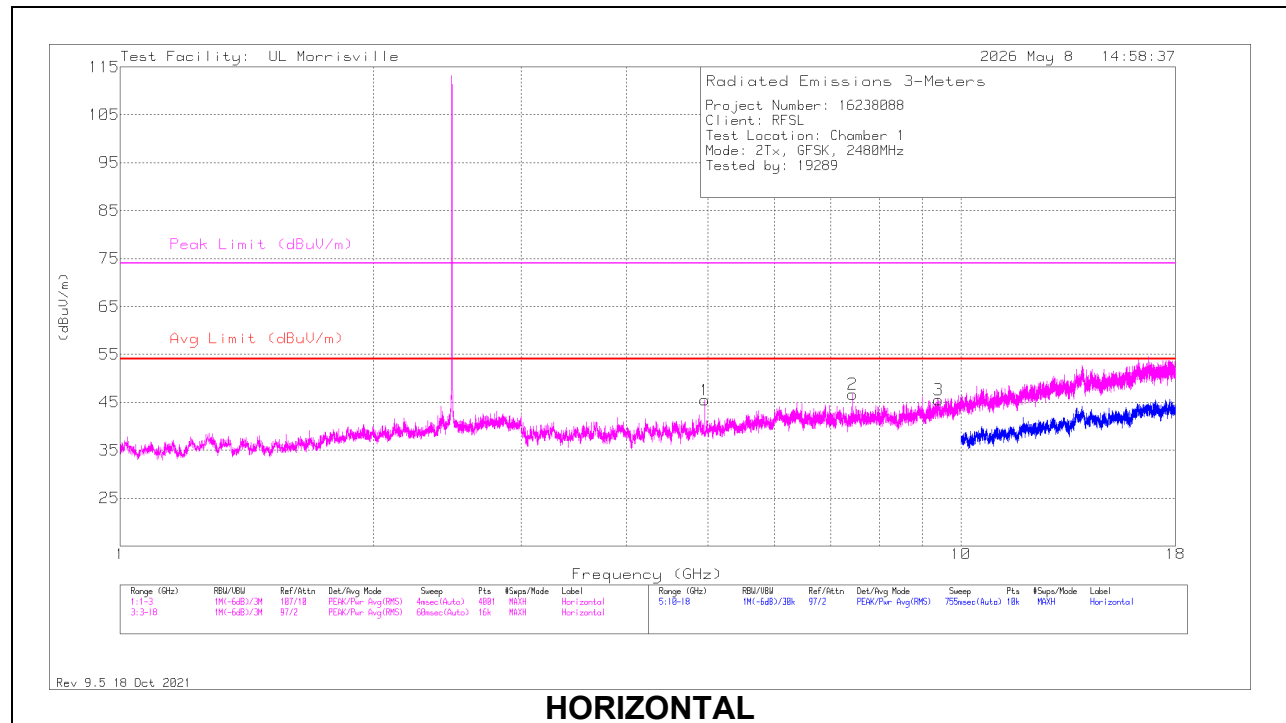
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

Average value was determined by subtracting the DCCF from the maximum peak value. The DCCF was calculated based on the worst case on-time when the device transmits DH5 packets and operates on 20 channels (5/1600 s per hop = 3.125 ms per channel). In this mode, the device will have a maximum of 2 hops on a channel in 100ms or 2x 3.125 ms = 6.25 ms on any channel. Therefore, $20\log(6.25 / 100) = -24\text{dB}$.

10.2.2. REPRESENTATIVE HARMONICS (MIMO, GFSK, 2480 MHz)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.96031	57.24	Pk	33.9	-45.7	0	45.44	54	-8.56	74	-28.56	0-360	101	H
2	* ** 7.44045	59.58	PK2	35.6	-42.6	0	52.58	-	-	74	-21.42	250	397	H
	* ** 7.44045	59.58	PK2	35.6	-42.6	-24	28.58	54	-25.42	-	-	250	397	H
3	* ** 9.40031	49.54	Pk	36.5	-40.5	0	45.54	54	-8.46	74	-28.46	0-360	101	H
4	* ** 4.95938	57.94	Pk	33.9	-45.7	0	46.14	54	-7.86	74	-27.86	0-360	101	V
5	* ** 7.44046	63.26	PK2	35.6	-42.6	0	56.26	-	-	74	-17.74	350	128	V
	* ** 7.44046	63.26	PK2	35.6	-42.6	-24	32.26	54	-21.74	-	-	350	128	V
6	* ** 9.40875	49.16	Pk	36.5	-40.3	0	45.36	54	-8.64	74	-28.64	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

Average value was determined by subtracting the DCCF from the maximum peak value. The DCCF was calculated based on the worst case on-time when the device transmits DH5 packets and operates on 20 channels (5/1600 s per hop = 3.125 ms per channel). In this mode, the device will have a maximum of 2 hops on a channel in 100ms or $2 \times 3.125 \text{ ms} = 6.25 \text{ ms}$ on any channel. Therefore, $20 \log(6.25 / 100) = -24 \text{ dB}$.

RADIATED EMISSIONS

Mode	Chain	Fund Freq [MHz]	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BT GFSK	0	2480	1	*** 4.95978	61.5	PK2	33.9	-45.7	0	49.7	-	-	74	-24.3	248	119	H
				*** 4.95999	56.75	V1TV	33.9	-45.7	0	44.95	54	-9.05	-	-	248	119	H
			2	*** 9.15188	48.96	Pk	36.2	-40.6	0	44.56	54	-9.44	74	-29.44	0-360	101	H
			3	*** 9.3375	50.33	Pk	36.4	-40.8	0	45.93	54	-8.07	74	-28.07	0-360	101	H
			4	*** 4.96033	61.76	PK2	33.9	-45.7	0	49.96	-	-	74	-24.04	58	139	V
				*** 4.96	57.26	V1TV	33.9	-45.7	0	45.46	54	-8.54	-	-	58	139	V
	MIMO		5	*** 9.1275	48.39	Pk	36.2	-41.7	0	42.89	54	-11.11	74	-31.11	0-360	200	V
			6	*** 9.34219	48.05	Pk	36.4	-40.5	0	43.95	54	-10.05	74	-30.05	0-360	200	V
			1	*** 4.96031	57.24	Pk	33.9	-45.7	0	45.44	54	-8.56	74	-28.56	0-360	101	H
			2	*** 7.44045	59.58	PK2	35.6	-42.6	0	52.58	-	-	74	-21.42	250	397	H
				*** 7.44045	59.58	PK2	35.6	-42.6	-24	28.58	54	-25.42	-	-	250	397	H
			3	*** 9.40031	49.54	Pk	36.5	-40.5	0	45.54	54	-8.46	74	-28.46	0-360	101	H
			4	*** 4.95938	57.94	Pk	33.9	-45.7	0	46.14	54	-7.86	74	-27.86	0-360	101	V
			5	*** 7.44046	63.26	PK2	35.6	-42.6	0	56.26	-	-	74	-17.74	350	128	V
				*** 7.44046	63.26	PK2	35.6	-42.6	-24	32.26	54	-21.74	-	-	350	128	V
			6	*** 9.40875	49.16	Pk	36.5	-40.3	0	45.36	54	-8.64	74	-28.64	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

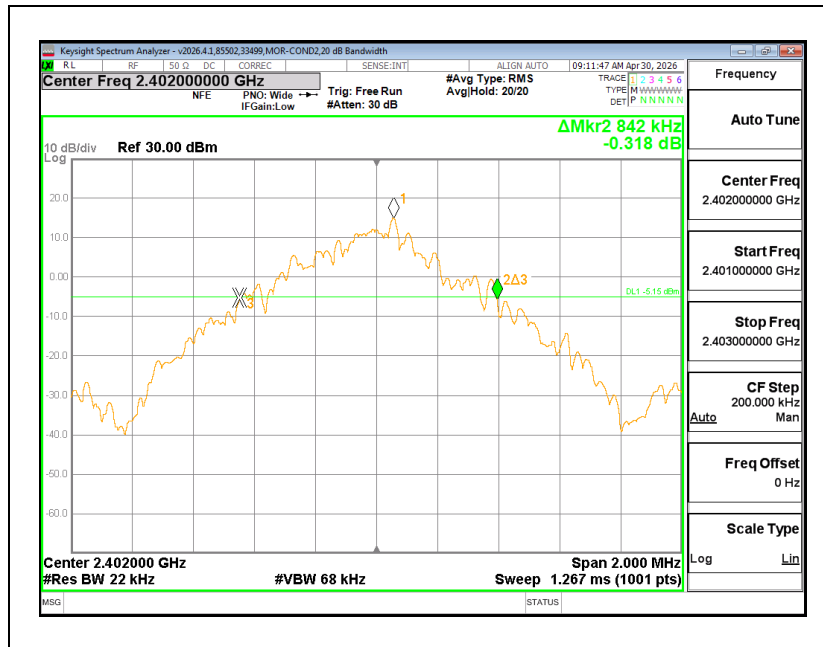
Pk - Peak detector

PK2 - Maximum Peak

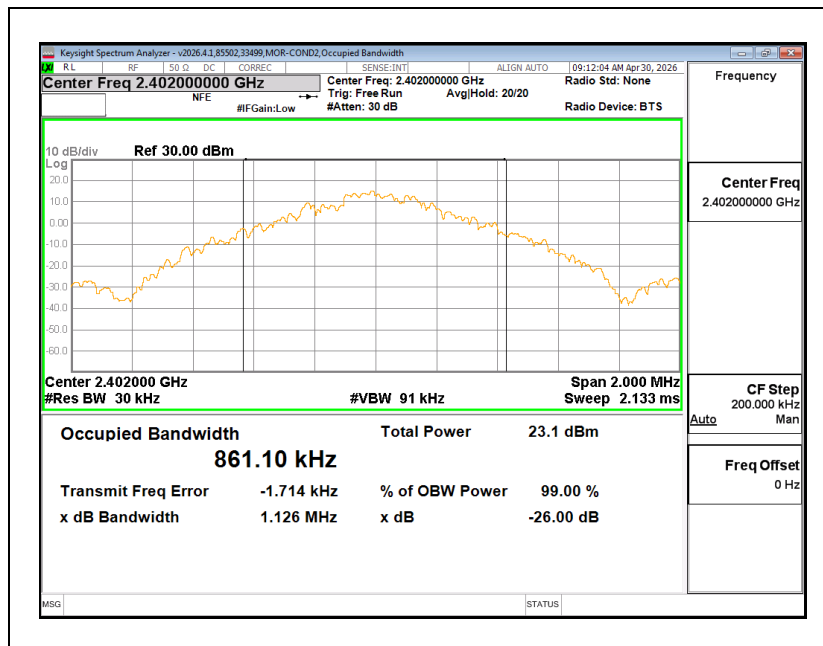
V1TV - $V_B = 1/T_{on}$, Linear Voltage Average where: T_{on} is packet duration

Average value was determined by subtracting the DCCF from the maximum peak value. The DCCF was calculated based on the worst case on-time when the device transmits DH5 packets and operates on 20 channels (5/1600 s per hop = 3.125 ms per channel). In this mode, the device will have a maximum of 2 hops on a channel in 100ms or $2 \times 3.125 \text{ ms} = 6.25 \text{ ms}$ on any channel. Therefore, $20\log(6.25 / 100) = -24\text{dB}$.

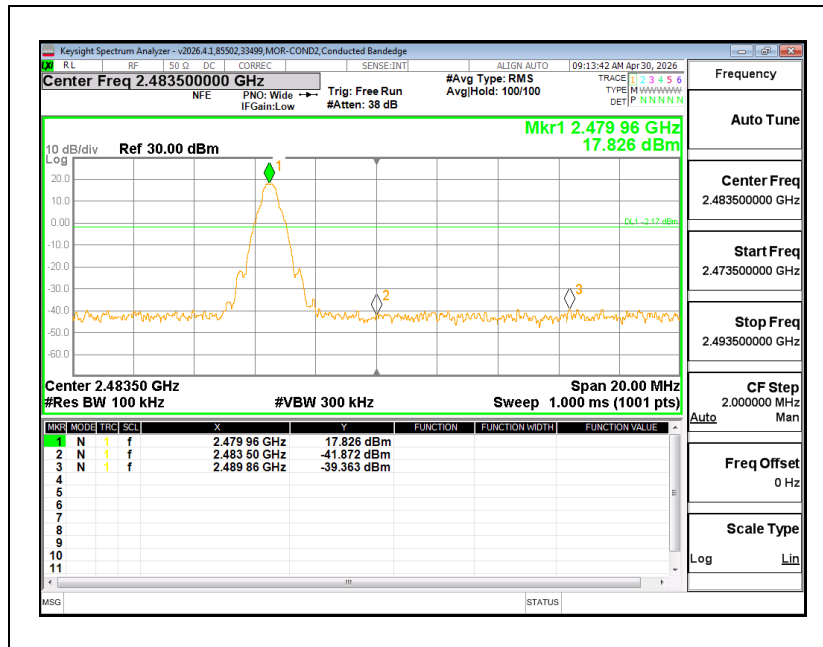
10.2.3. 20dB REFERENCE PLOT (Chain 0, GFSK, 2402 MHz)



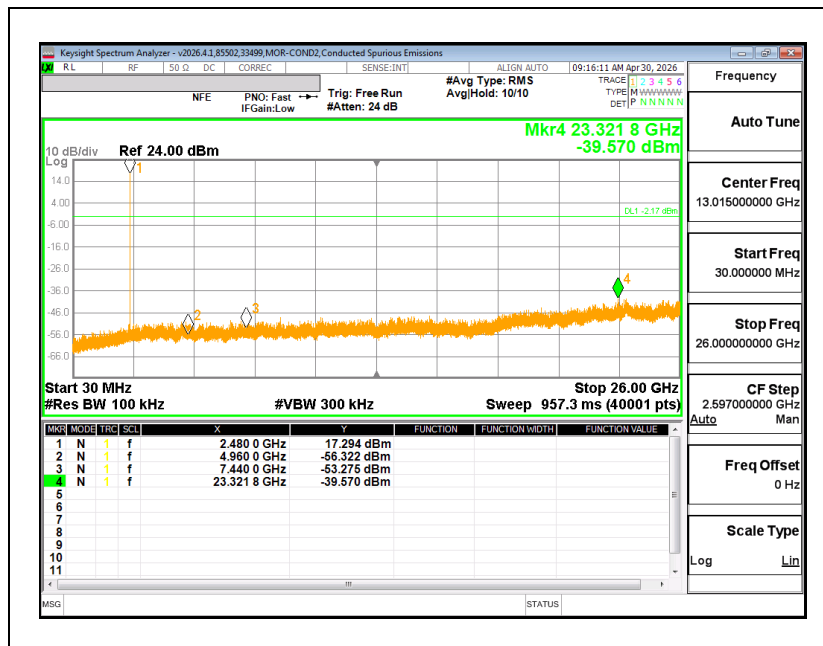
10.2.4. 99% BW REFERENCE PLOT (Chain 0, GFSK, 2402 MHz)



10.2.5. CBE REFERENCE PLOT (Chain 0, GFSK, 2480 MHz)



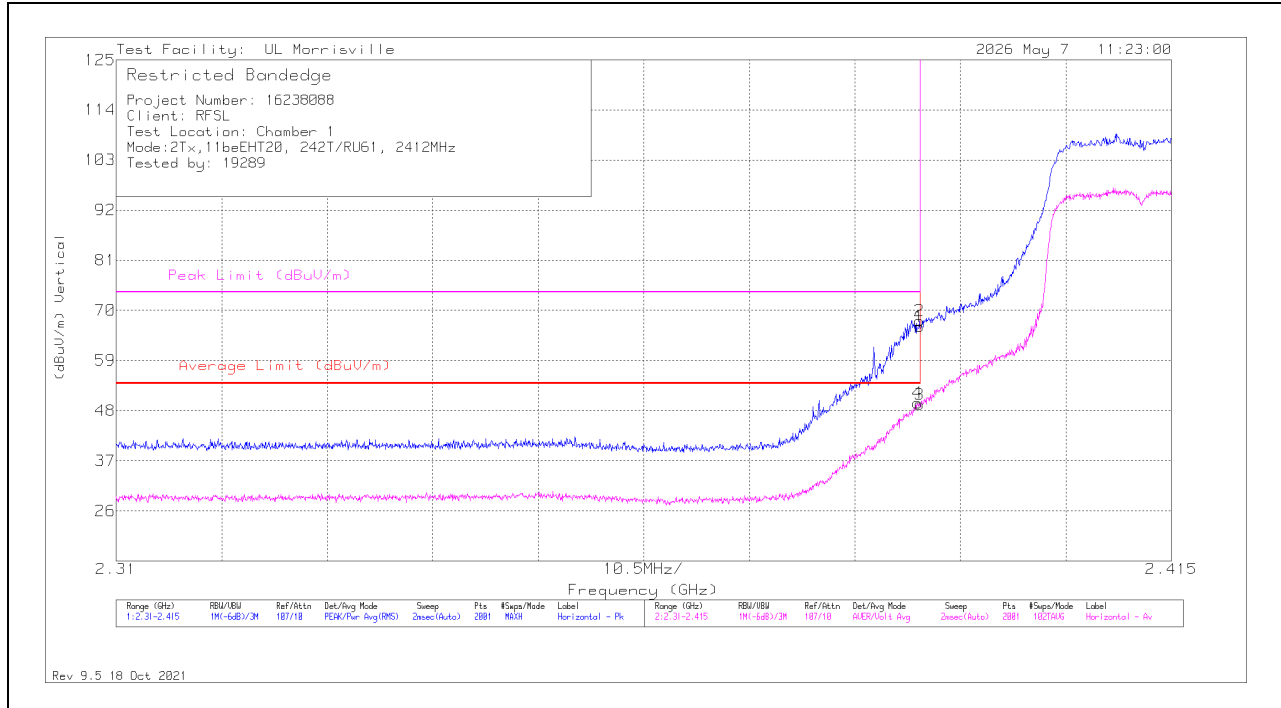
10.2.6. CSPUR REFERENCE PLOT (Chain 0, GFSK, 2480 MHz)



10.3. 2.4 WLAN (DATA REFERENCING) TX ABOVE 1 GHz MODE

10.3.1. REPRESENTATIVE BANDEDGE (11beEHT20 242T/RU61 MIMO, 2412 MHz)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	59.46	Pk	32.1	-25.1	0	66.46	-	-	74	-7.54	292	112	H
2	*** 2.38991	60.71	Pk	32.1	-25.1	0	67.71	-	-	74	-6.29	292	112	H
3	*** 2.38996	42.08	ADV	32.1	-25.1	.27	49.35	54	-4.65	-	-	292	112	H
4	*** 2.38975	42.37	ADV	32.1	-25.1	.27	49.64	54	-4.36	-	-	292	112	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANEDGE TEST DATA

Mode	Chain	Fund Freq [MHz]	Marker	Meas Freq. (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
11beEHT20	MIMO	2412	1	* ** 2.38996	59.46	Pk	32.1	-25.1	0	66.46	-	-	74	-7.54	292	112	H
			2	* ** 2.38991	60.71	Pk	32.1	-25.1	0	67.71	-	-	74	-6.29	292	112	H
			3	* ** 2.38996	42.08	ADV	32.1	-25.1	.27	49.35	54	-4.65	-	-	292	112	H
			4	* ** 2.38975	42.37	ADV	32.1	-25.1	.27	49.64	54	-4.36	-	-	292	112	H
			1	* ** 2.38996	54.33	Pk	32.1	-25.1	0	61.33	-	-	74	-12.67	113	355	V
			2	* ** 2.38912	56.39	Pk	32.1	-25.1	0	63.39	-	-	74	-10.61	113	355	V
			3	* ** 2.38996	38.48	ADV	32.1	-25.1	.27	45.75	54	-8.25	-	-	113	355	V
			4	* ** 2.38964	38.87	ADV	32.1	-25.1	.27	46.14	54	-7.86	-	-	113	355	V

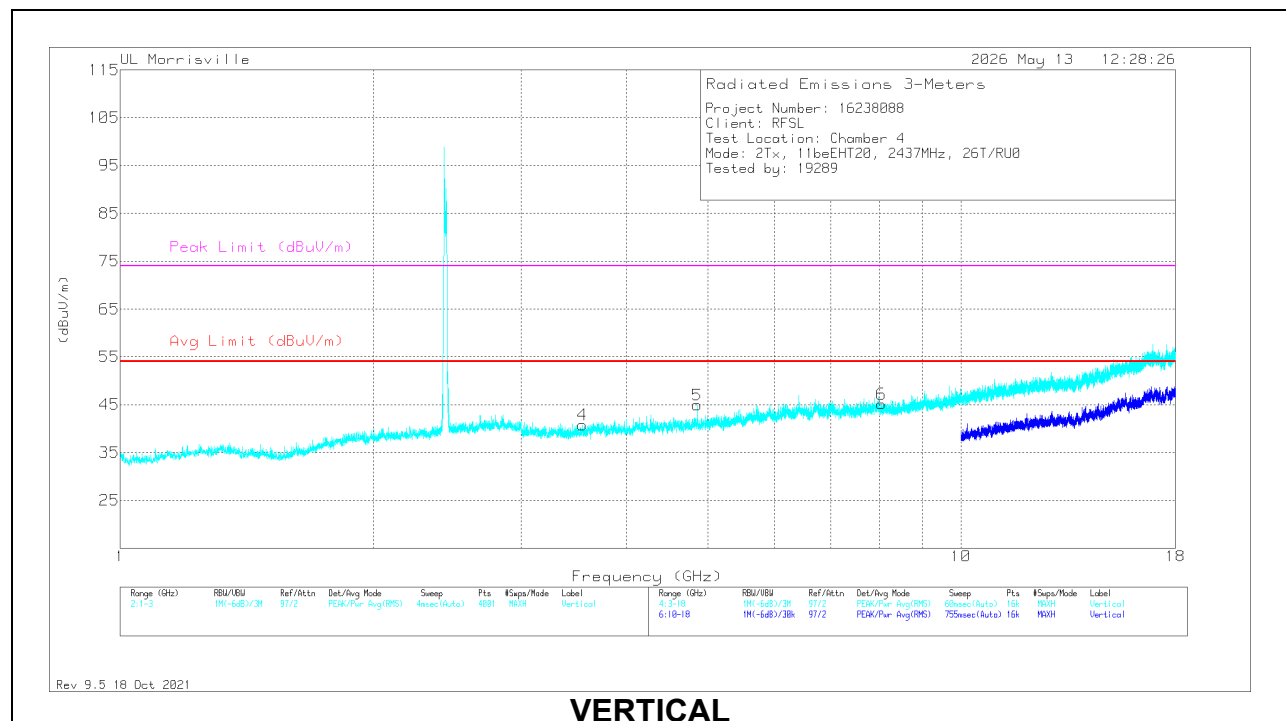
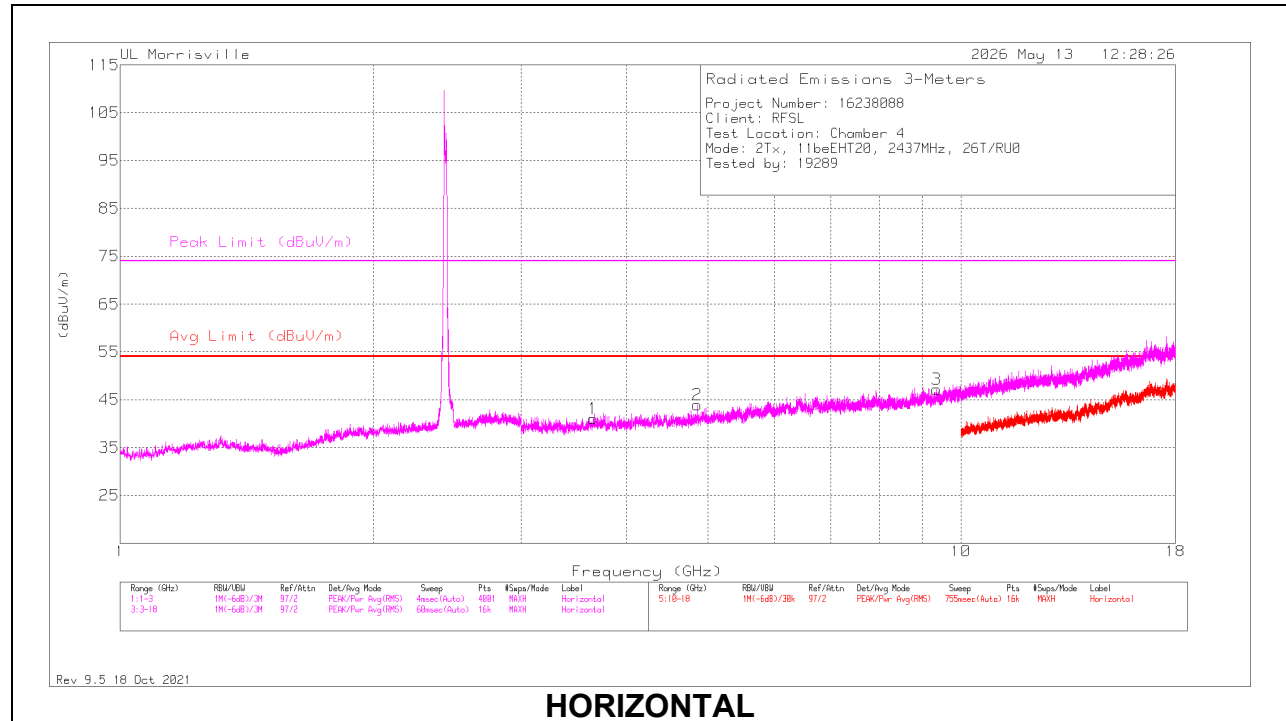
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

10.3.2. HARMONICS (802.11be EHT20 26T, 2437MHz, MIMO)



RADIATED EMISSIONS

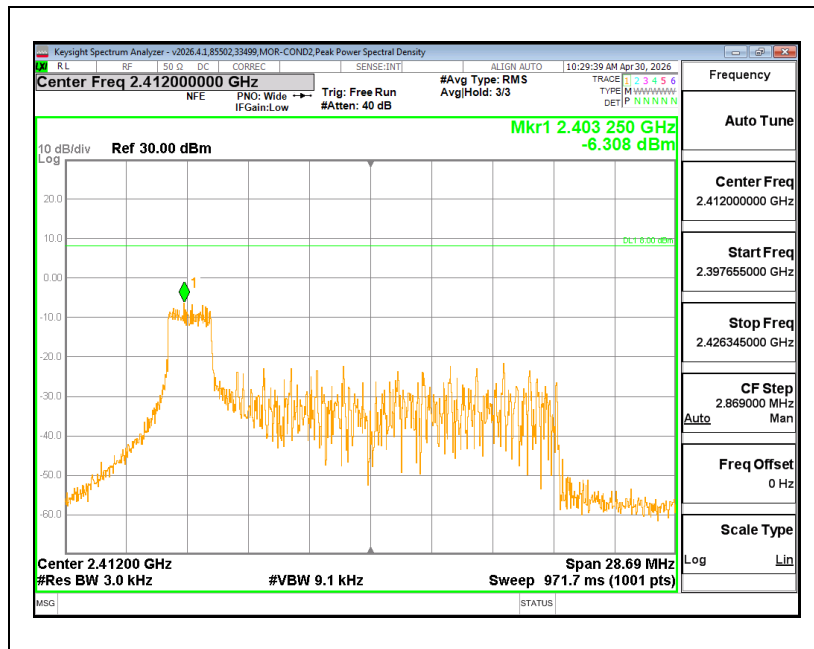
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.65531	40.69	Pk	33.2	-32.8	41.09	54	-12.91	74	-32.91	0-360	100	H
2	* ** 4.85531	40.48	Pk	33.9	-30.5	43.88	54	-10.12	74	-30.12	0-360	100	H
3	* ** 9.36	34.52	Pk	36.4	-23.7	47.22	54	-6.78	74	-26.78	0-360	100	H
4	* ** 3.5475	40.75	Pk	33.1	-33.1	40.75	54	-13.25	74	-33.25	0-360	200	V
5	* ** 4.85719	41.61	Pk	33.9	-30.6	44.91	54	-9.09	74	-29.09	0-360	200	V
6	* ** 8.04469	35.76	Pk	35.8	-26.4	45.16	54	-8.84	74	-28.84	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

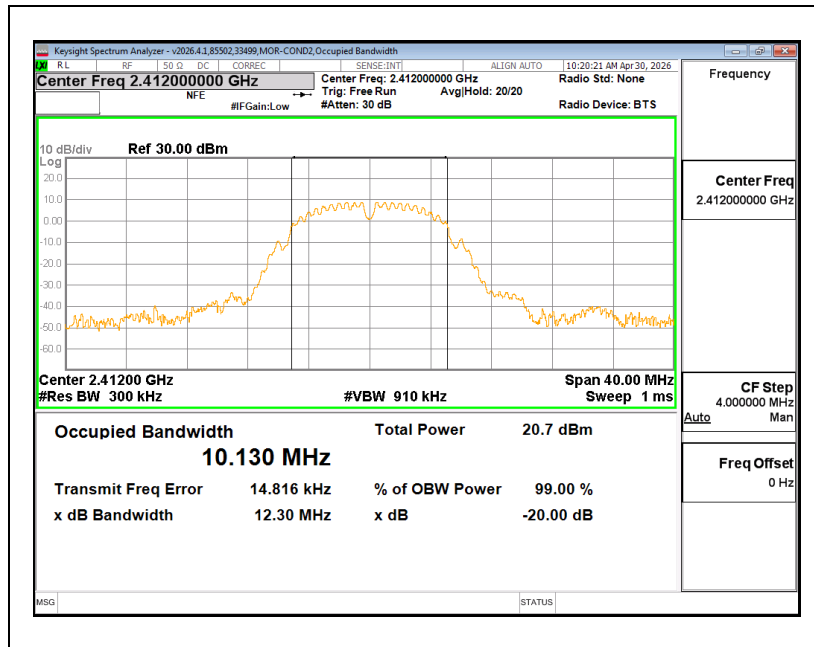
10.3.3. PSD REFERENCE PLOT (MIMO, 11be EHT20 26T, 2412 MHz)



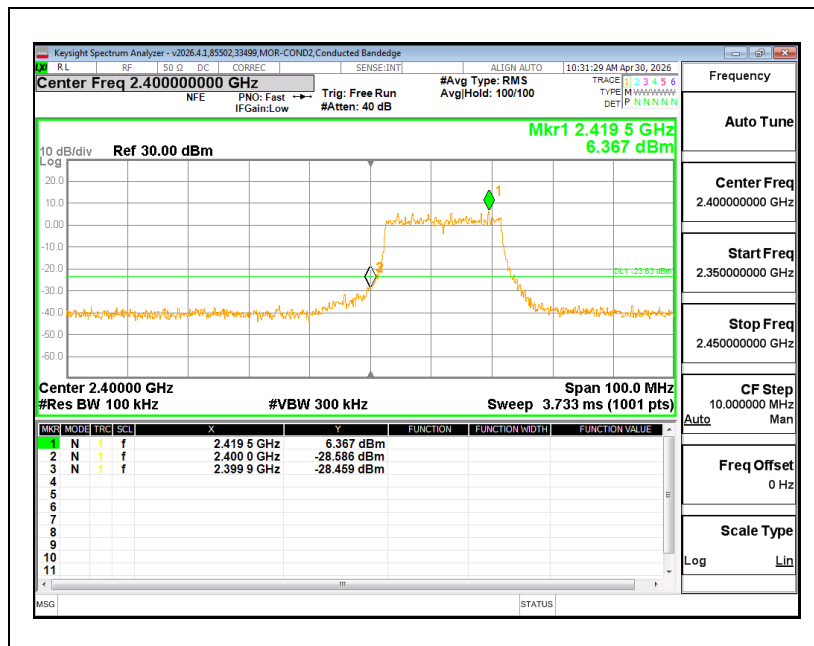
10.3.4. 6dB REFERENCE PLOT (CHAIN 0, 11b, 2412 MHz)



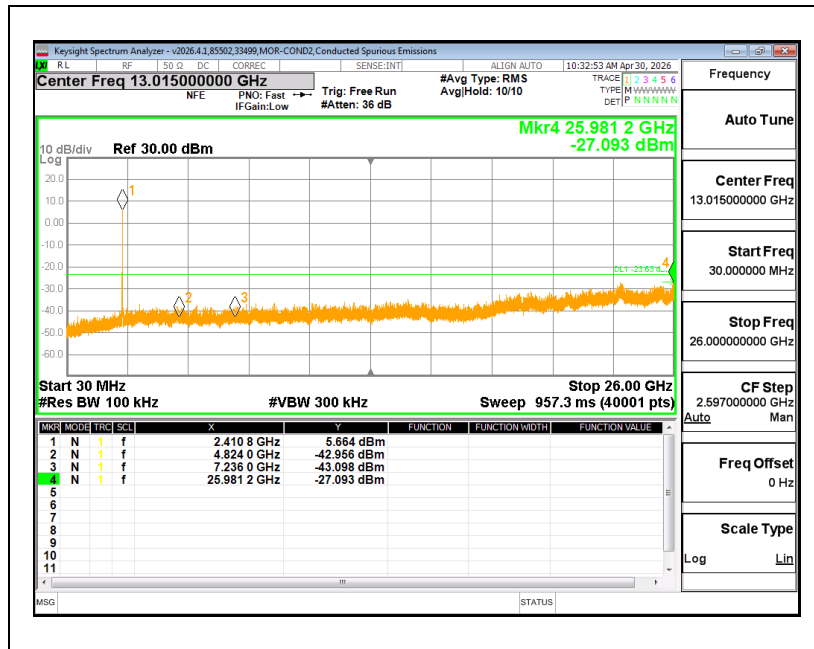
10.3.5. 99% BW REFERENCE PLOT (CHAIN 0, 11b, 2412 MHz)



10.3.6. CBE REFERENCE PLOT (MIMO, 11be EHT20 242T, 2412 MHz)

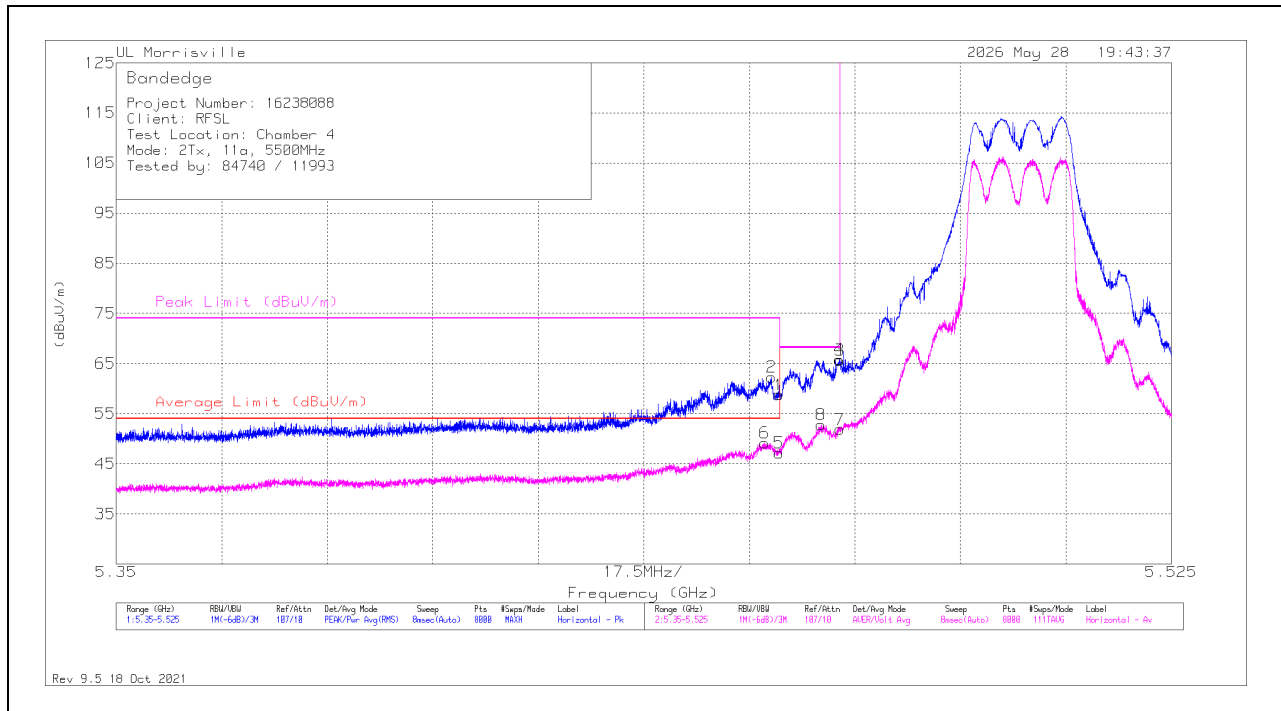


10.3.7. CSPUR REFERENCE PLOT (MIMO, 11be EHT20 242T, 2412 MHz)



10.4. 5 WLAN (DATA REFERENCING) TX ABOVE 1 GHz MODE

10.4.1. REPRESENTATIVE BANDEDGE (802.11a , MIMO, 5500MHz) HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45998	42.93	Pk	34.4	-18.6	0	58.73	-	-	74	-15.27	83	120	H
2	*** 5.45867	46.38	Pk	34.4	-18.5	0	62.28	-	-	74	-11.72	83	120	H
5	*** 5.45998	30.43	ADV	34.4	-18.6	.94	47.17	54	-6.83	-	-	83	120	H
6	*** 5.45753	32.34	ADV	34.4	-18.5	.94	49.18	54	-4.82	-	-	83	120	H
4	5.46694	35.9	ADV	34.4	-18.5	.94	52.74	-	-	-	-	83	120	H
8	5.46996	49.82	Pk	34.4	-18.4	0	65.82	-	-	68.2	-2.38	83	120	H
3	5.46998	49.64	Pk	34.4	-18.4	0	65.64	-	-	68.2	-2.56	83	120	H
7	5.46998	34.9	ADV	34.4	-18.4	.94	51.84	-	-	-	-	83	120	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANEDGE TEST DATA

Mode	Chain	Fund Freq [MHz]	marker	Meas Freq. (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Conv Factor (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
11beEHT160 996T+484T+242T /RU1098		5250	1	*** 5.14997	47.67	Pk	34.3	-22.6	0	0	59.37	-	-	74	-14.63	26	115	H
			2	*** 5.11199	56.48	Pk	34.1	-23.4	0	0	67.18	-	-	74	-6.82	26	115	H
			3	*** 5.14998	36.28	ADV	34.3	-22.6	0	0	47.98	54	-6.02	-	-	26	115	H
			4	*** 5.14817	36.92	ADV	34.3	-22.7	0	0	48.52	54	-5.48	-	-	26	115	H
			1	*** 5.14991	45.94	Pk	34.3	-22.6	0	0	57.64	-	-	74	-16.36	103	193	V
			2	*** 5.1464	52.1	Pk	34.3	-22.8	0	0	63.6	-	-	74	-10.4	103	193	V
			3	*** 5.14991	30.66	ADV	34.3	-22.6	0	0	42.36	54	-11.64	-	-	103	193	V
			4	*** 5.09732	33.29	ADV	34.1	-22.9	0	0	44.49	54	-9.51	-	-	103	193	V
11beEHT20 242T/RU61		5320	1	*** 5.35001	55.54	Pk	34.2	-23.5	0	0	66.24	-	-	74	-7.76	348	145	H
			2	*** 5.35103	58.75	Pk	34.2	-23.4	0	0	69.55	-	-	74	-4.45	348	145	H
			3	*** 5.35001	39.78	ADV	34.2	-23.5	0	.24	50.72	54	-3.28	-	-	348	145	H
			4	*** 5.35135	40.92	ADV	34.2	-23.4	0	.24	51.96	54	-2.04	-	-	348	145	H
			1	*** 5.35001	46.08	Pk	34.2	-23.5	0	0	56.78	-	-	74	-17.22	88	366	V
			2	*** 5.35101	49.11	Pk	34.2	-23.4	0	0	59.91	-	-	74	-14.09	88	366	V
			3	*** 5.35001	30.97	ADV	34.2	-23.5	0	.24	41.91	54	-12.09	-	-	88	366	V
			4	*** 5.35073	32.44	ADV	34.2	-23.5	0	.24	43.38	54	-10.62	-	-	88	366	V
11a	MIMO	5500	1	*** 5.45998	42.93	Pk	34.4	-18.6	0	0	58.73	-	-	74	-15.27	83	120	H
			2	*** 5.45867	46.38	Pk	34.4	-18.5	0	0	62.28	-	-	74	-11.72	83	120	H
			5	*** 5.45998	30.43	ADV	34.4	-18.6	0	.94	47.17	54	-6.83	-	-	83	120	H
			6	*** 5.45753	32.34	ADV	34.4	-18.5	0	.94	49.18	54	-4.82	-	-	83	120	H
			4	5.46694	35.9	ADV	34.4	-18.5	0	.94	52.74	-	-	-	-	83	120	H
			8	5.46996	49.82	Pk	34.4	-18.4	0	0	65.82	-	-	68.2	-2.38	83	120	H
			3	5.46998	49.64	Pk	34.4	-18.4	0	0	65.64	-	-	68.2	-2.56	83	120	H
			7	5.46998	34.9	ADV	34.4	-18.4	0	.94	51.84	-	-	-	-	83	120	H
			1	*** 5.45998	35.91	Pk	34.4	-18.6	0	0	51.71	-	-	74	-22.29	106	259	V
			2	*** 5.45812	39.31	Pk	34.4	-18.5	0	0	55.21	-	-	74	-18.79	106	259	V
			5	*** 5.45998	23.74	ADV	34.4	-18.6	0	.94	40.48	54	-13.52	-	-	106	259	V
			6	*** 5.45792	26.08	ADV	34.4	-18.5	0	.94	42.92	54	-11.08	-	-	106	259	V
			4	5.46987	28.14	ADV	34.4	-18.4	0	.94	45.08	-	-	-	-	106	259	V
			8	5.46989	43	Pk	34.4	-18.4	0	0	59	-	-	68.2	-9.2	106	259	V
			3	5.46998	42.83	Pk	34.4	-18.4	0	0	58.83	-	-	68.2	-9.37	106	259	V
			7	5.46998	27.32	ADV	34.4	-18.4	0	.94	44.26	-	-	-	-	106	259	V
11beEHT160 996T+484T_C_RU1095		5815	2	5.63412	-52.9	Pk	34.7	-22.9	11.8	0	-29.3	-	-	-27	-2.3	47	119	H
			1	5.725	-49.69	Pk	34.8	-22.9	11.8	0	-25.99	-	-	27	-52.99	47	119	H
			2	5.64779	-55.85	Pk	34.8	-24	11.8	0	-33.25	-	-	-27	-6.25	82	314	V
11beHT20 242T RU61		5885	1	5.725	-51.5	Pk	34.8	-22.9	11.8	0	-27.8	-	-	27	-54.8	82	314	V
			1	5895	-17.5	Pk	35.1	-22.1	11.8	0	7.3	15	-7.7	-	-	351	125	H
			3	5895	-32.35	RMS	35.1	-22.1	11.8	.12	-7.43	-	-	-5	-2.43	351	125	H
			2	5895.011	-17.55	Pk	35.1	-22.1	11.8	0	7.25	14.99	-7.74	-	-	351	125	H
			4	5895.011	-32.56	RMS	35.1	-22.1	11.8	.12	-7.64	-	-	-5.01	-2.63	351	125	H
			1	5895	-28.43	Pk	35.1	-22.1	11.8	0	-3.63	15	-18.63	-	-	344	116	V
			3	5895	-39.59	RMS	35.1	-22.1	11.8	.12	-14.67	-	-	-5	-9.67	344	116	V
			2	5895.011	-28.46	Pk	35.1	-22.1	11.8	0	-3.66	14.99	-18.65	-	-	344	116	V
			4	5895.036	-39.7	RMS	35.1	-22.1	11.8	.12	-14.78	-	-	-5.03	-9.75	344	116	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

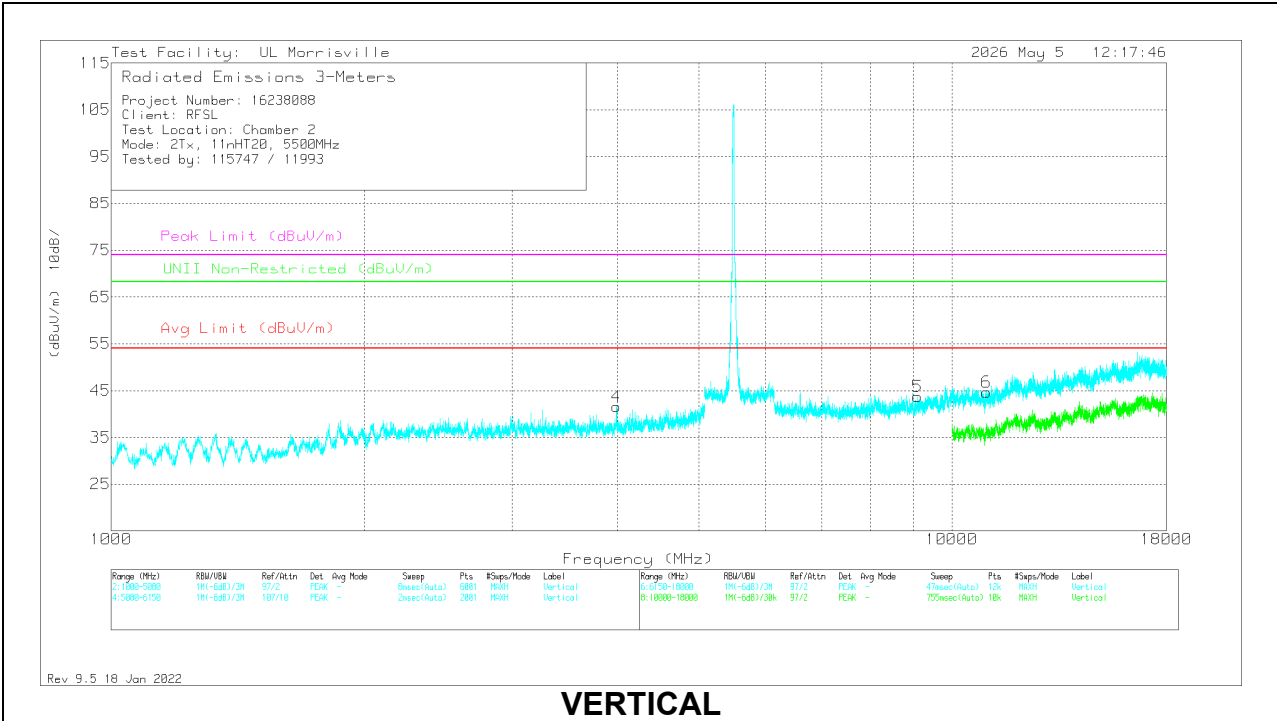
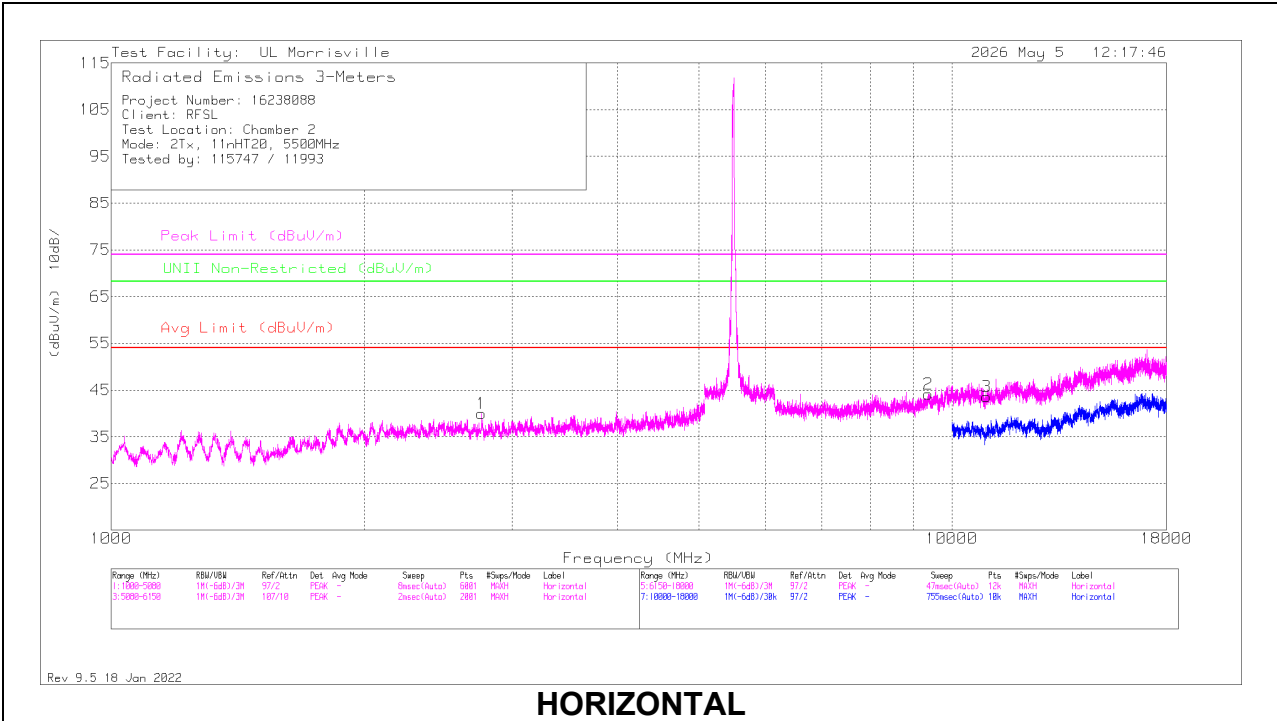
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

RMS - RMS detection

10.4.2. HARMONICS (802.11n HT20, 5500MHz, MIMO)



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2755.76	53.91	Pk	32.3	-46.2	0	40.01	54	-13.99	74	-33.99	-	-	0-360	101	H
4	* ** 3990.64	54.33	Pk	33.4	-46.2	0	41.53	54	-12.47	74	-32.47	-	-	0-360	101	V
2	* ** 9370.238	49.05	Pk	36.4	-41.3	0	44.15	54	-9.85	74	-29.85	-	-	0-360	101	H
3	* ** 11002.763	49.56	PK-U	37.4	-41.1	0	45.86	-	-	74	-28.14	-	-	355	262	H
	* ** 10999.902	37.28	ADV	37.4	-41.2	1.23	34.71	54	-19.29	-	-	-	-	355	262	H
5	* ** 9097.688	48.88	Pk	36	-41.1	0	43.78	54	-10.22	74	-30.22	-	-	0-360	200	V
6	* ** 11002.487	52.43	PK-U	37.4	-41.2	0	48.63	-	-	74	-25.37	-	-	153	105	V
	* ** 11001.236	39.57	ADV	37.4	-41.2	1.23	37	54	-17	-	-	-	-	153	105	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

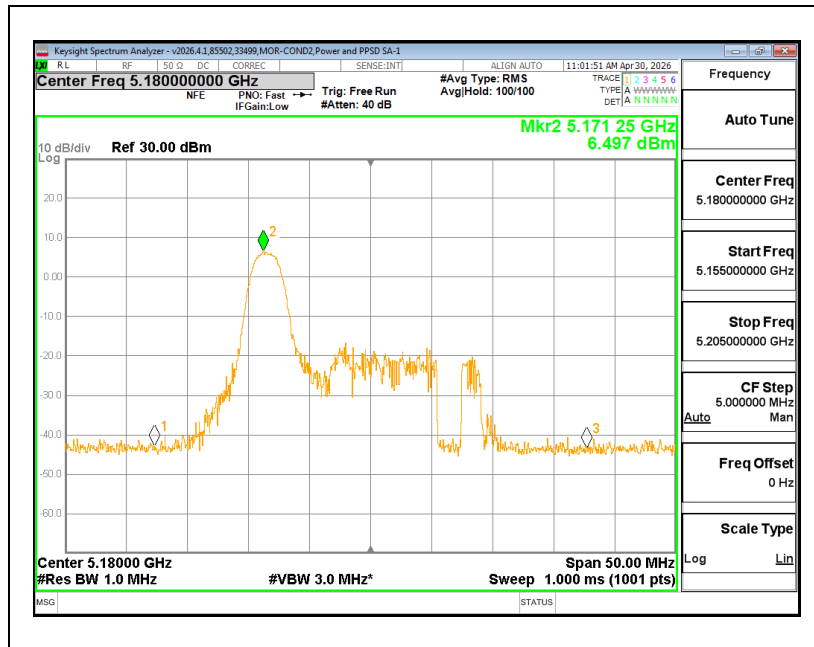
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

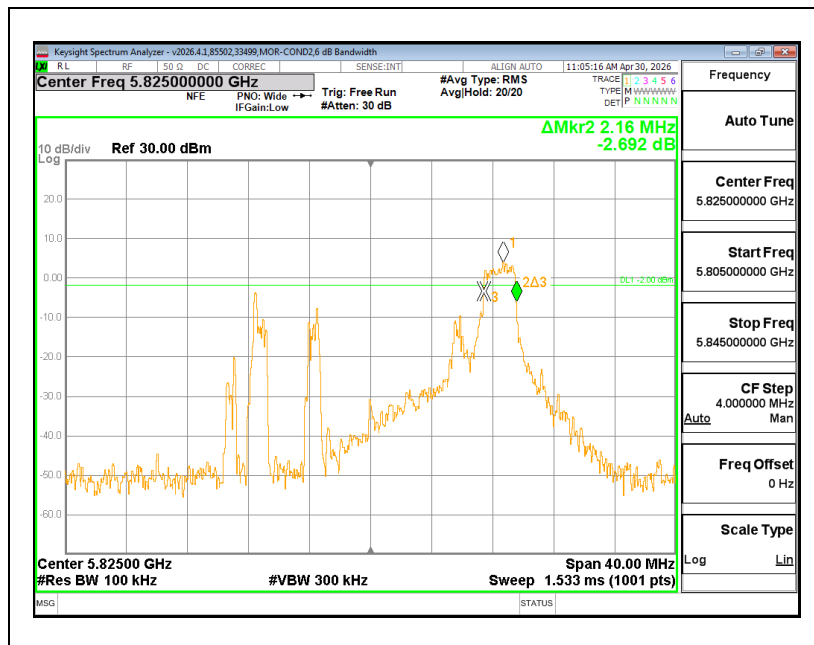
PK-U - Maximum Peak

ADV - Linear Voltage Average

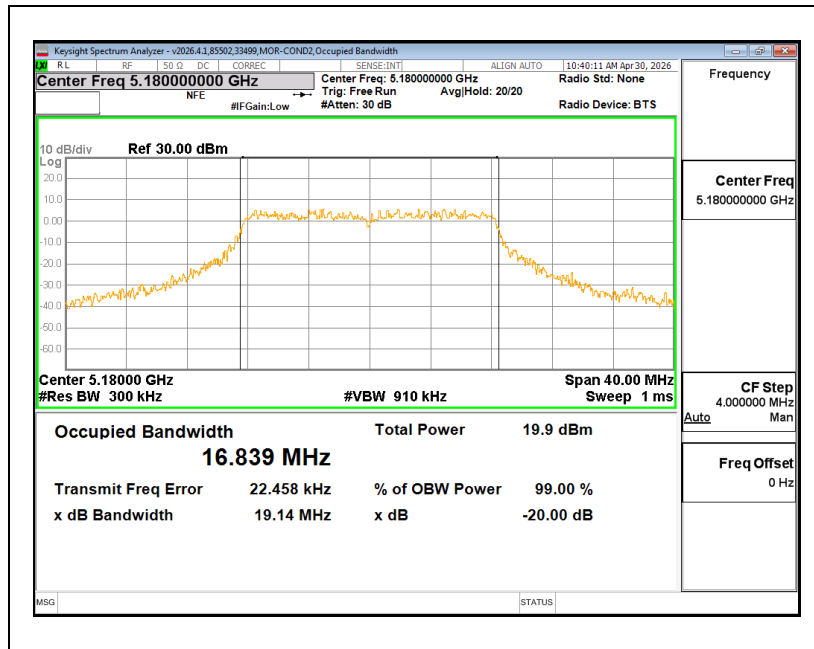
10.4.3. PSD REFERENCE PLOT (MIMO, 802.11be EHT20 26T, 5180MHz)



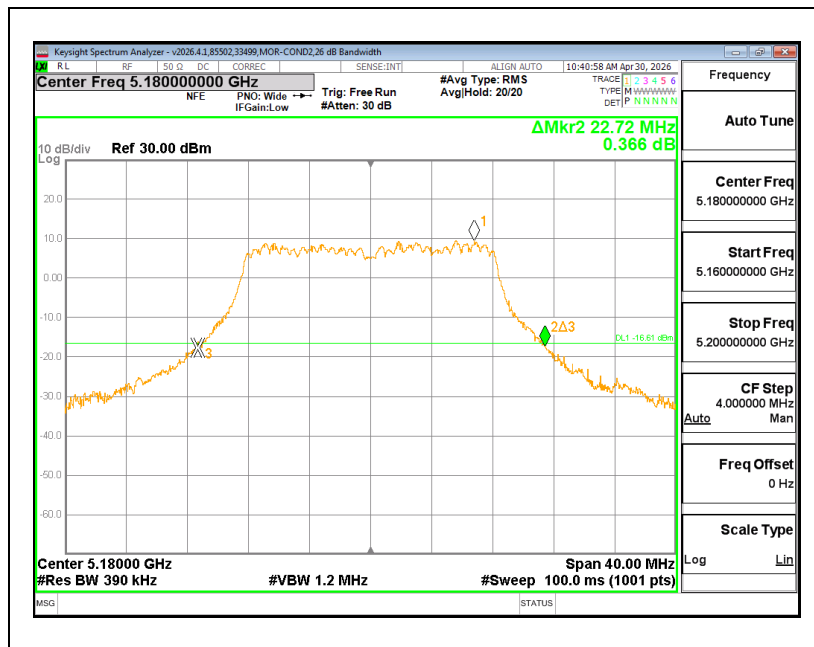
10.4.4. 6 dB BW REFERENCE PLOT (MIMO, 802.11be EHT20 26T, 5825 MHz)



10.4.5. 99% BW REFERENCE PLOT (MIMO, 802.11a, 5180 MHz)

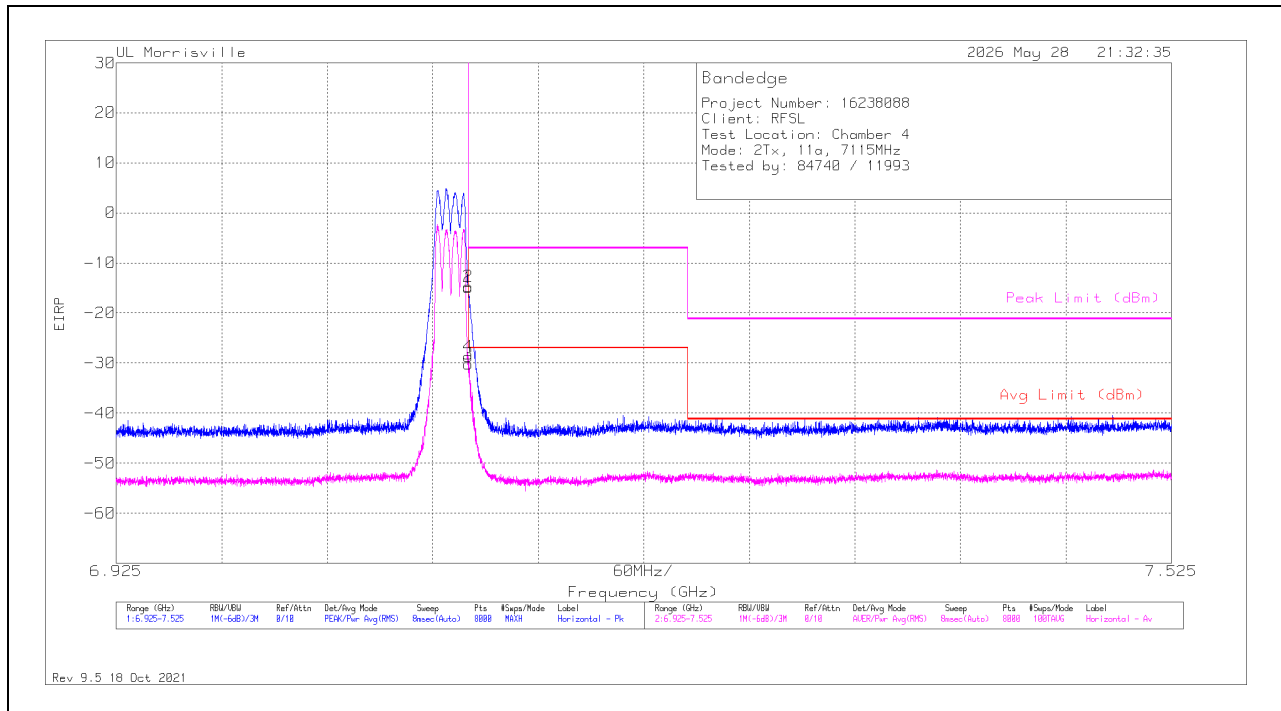


10.4.6. 26 dB REFERENCE PLOT (MIMO, 802.11a, 5180 MHz)



10.5. 6 WLAN (DATA REFERENCING) TX ABOVE 1 GHz MODE

10.5.1. REPRESENTATIVE BANDEDGE (802.11a MIMO, 7115 MHz) HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	88761 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.12505	-46.07	Pk	35.6	-16.3	11.8	0	-14.97	-	-	-7	-7.97	329	109	H
3	7.12505	-60.83	RMS	35.6	-16.3	11.8	.47	-29.26	-27	-2.26	-	-	329	109	H
2	7.12512	-45.76	Pk	35.6	-16.3	11.8	0	-14.66	-	-	-7	-7.66	329	109	H
4	7.12512	-60.83	RMS	35.6	-16.3	11.8	.47	-29.26	-27	-2.26	-	-	329	109	H

Pk - Peak detector

RMS - RMS detection

BANEDGE TEST DATA

Mode	Chain	Fund Freq [MHz]	Marker	Frequency (MHz)	Meter Reading (dBm)	Det	88761 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
11a	MIMO	5935	4	5.92473	-60.12	RMS	35	-17.7	11.8	.47	-30.55	-27	-3.55	-	-	89	123	H
			2	5.92491	-41.59	Pk	35	-17.7	11.8	0	-12.49	-	-	-7	-5.49	89	123	H
			1	5.92498	-41.44	Pk	35	-17.7	11.8	0	-12.34	-	-	-7	-5.34	89	123	H
			3	5.92498	-60.12	RMS	35	-17.7	11.8	.47	-30.55	-27	-3.55	-	-	89	123	H
			4	5.92485	-67.14	RMS	35	-17.7	11.8	.47	-37.57	-27	-10.57	-	-	7	132	V
			2	5.92491	-51.14	Pk	35	-17.7	11.8	0	-22.04	-	-	-7	-15.04	7	132	V
			1	5.92498	-49.9	Pk	35	-17.7	11.8	0	-20.8	-	-	-7	-13.8	7	132	V
			3	5.92498	-67.73	RMS	35	-17.7	11.8	.47	-38.16	-27	-11.16	-	-	7	132	V
		7115	1	7.12505	-46.07	Pk	35.6	-16.3	11.8	0	-14.97	-	-	-7	-7.97	329	109	H
			3	7.12505	-60.83	RMS	35.6	-16.3	11.8	.47	-29.26	-27	-2.26	-	-	329	109	H
			2	7.12512	-45.76	Pk	35.6	-16.3	11.8	0	-14.66	-	-	-7	-7.66	329	109	H
			4	7.12512	-60.83	RMS	35.6	-16.3	11.8	.47	-29.26	-27	-2.26	-	-	329	109	H
			1	7.12505	-47.34	Pk	35.6	-16.3	11.8	0	-16.24	-	-	-7	-9.24	15	130	V
			3	7.12505	-63.32	RMS	35.6	-16.3	11.8	.47	-31.75	-27	-4.75	-	-	15	130	V
			2	7.1252	-47.51	Pk	35.6	-16.3	11.8	0	-16.41	-	-	-7	-9.41	15	130	V
			4	7.12527	-63.27	RMS	35.6	-16.3	11.8	.47	-31.7	-27	-4.7	-	-	15	130	V

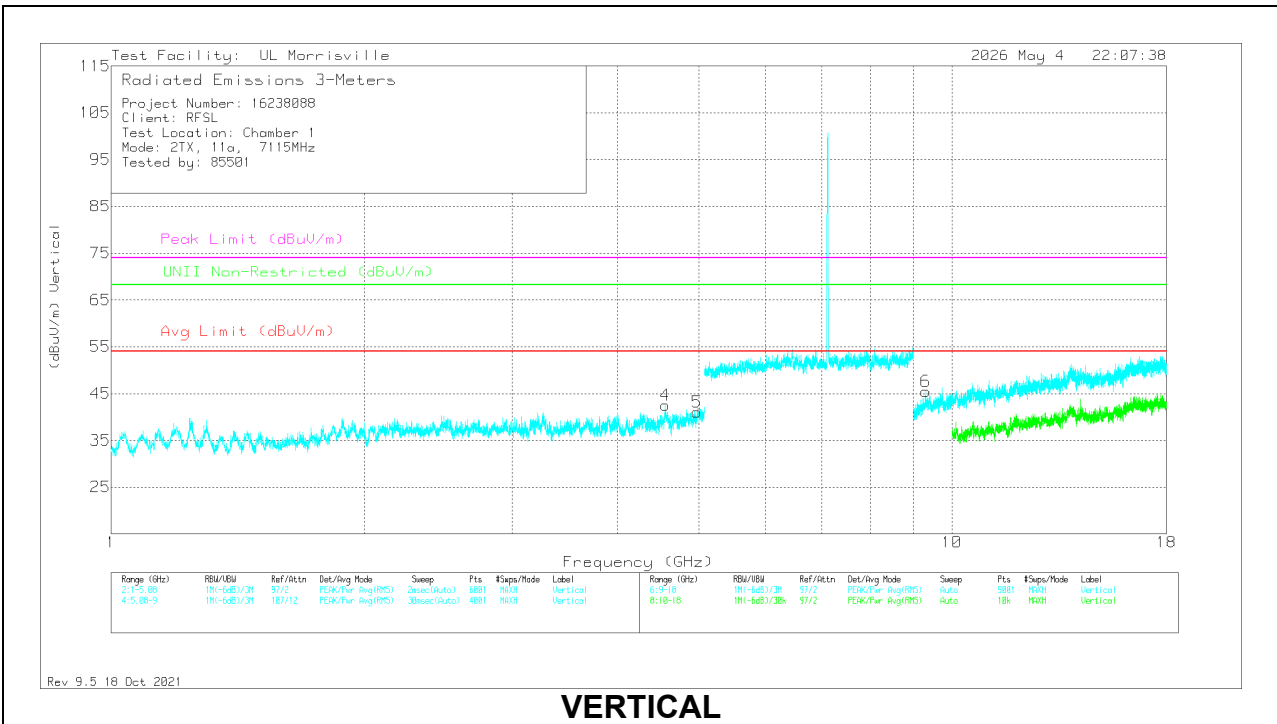
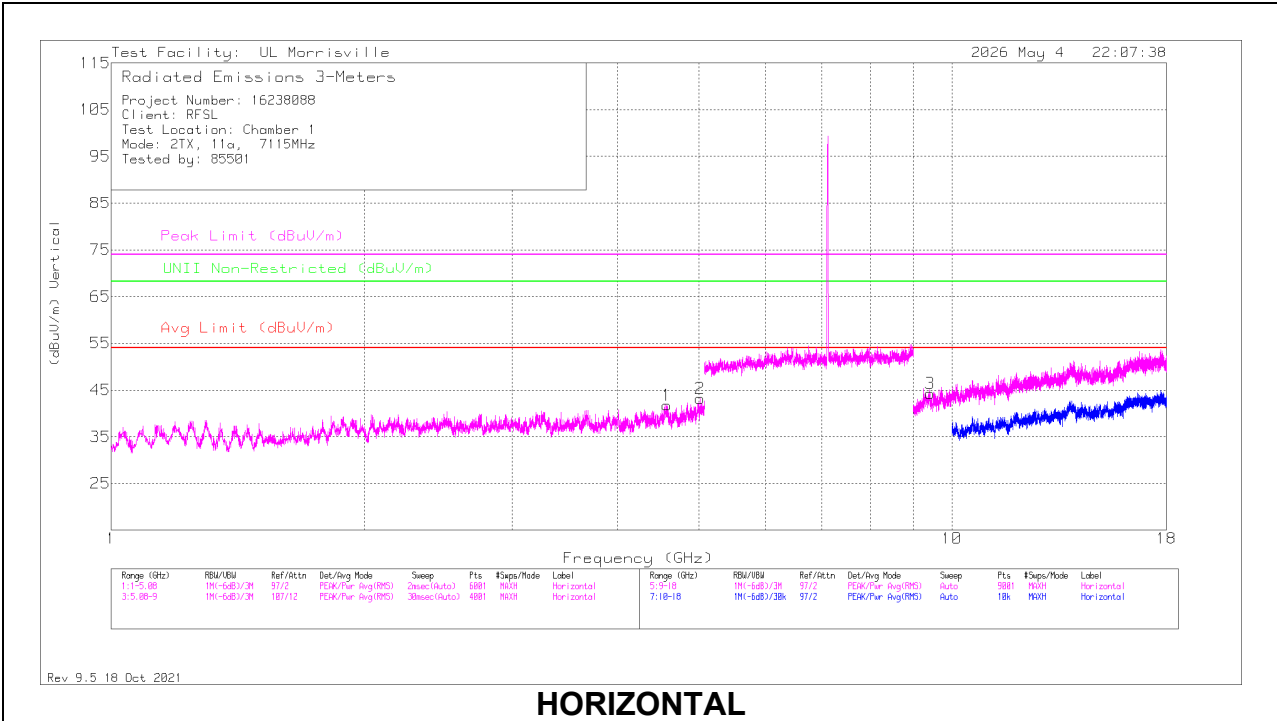
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RMS - RMS detection

10.5.2. HARMONICS (802.11a, 7115MHz, MIMO)



RADIATED EMISSIONS

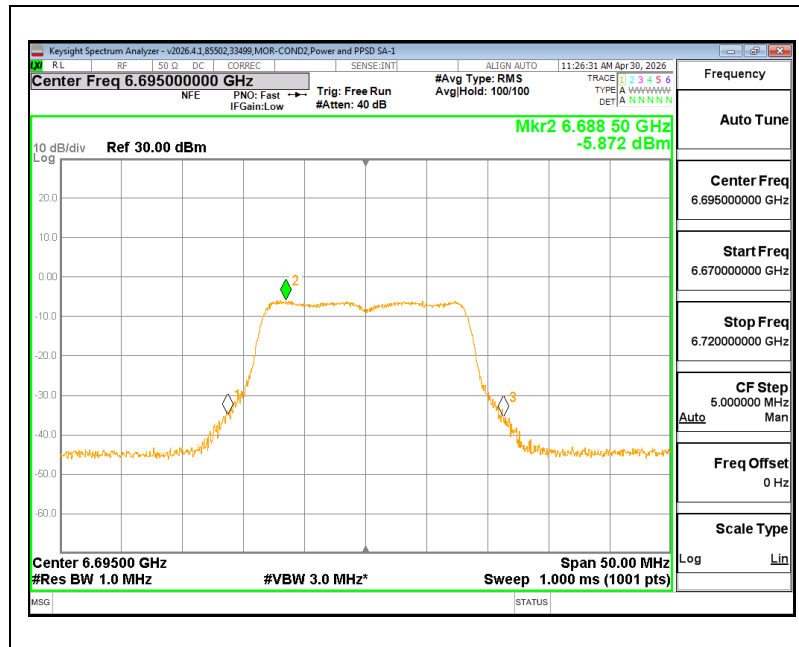
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB)	Gain/Loss (dB)	Filter (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.58292	53.18	Pk	33.9	-45.3	0	0	41.78	54	-12.22	74	-32.22	-	-	0-360	200	H
2	* ** 5.01676	52.88	Pk	34.1	-43.8	0	0	43.18	54	-10.82	74	-30.82	-	-	0-360	100	H
4	* ** 4.56252	54.41	Pk	33.9	-45.8	0	0	42.51	54	-11.49	74	-31.49	-	-	0-360	101	V
5	* ** 4.978	51.3	Pk	34	-44.2	0	0	41.1	54	-12.9	74	-32.9	-	-	0-360	200	V
3	* ** 9.425	49.93	Pk	36.6	-41.8	-.5	0	44.23	54	-9.77	74	-29.77	-	-	0-360	101	H
6	* ** 9.308	50.14	Pk	36.3	-40.5	-.5	0	45.44	54	-8.56	74	-28.56	-	-	0-360	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

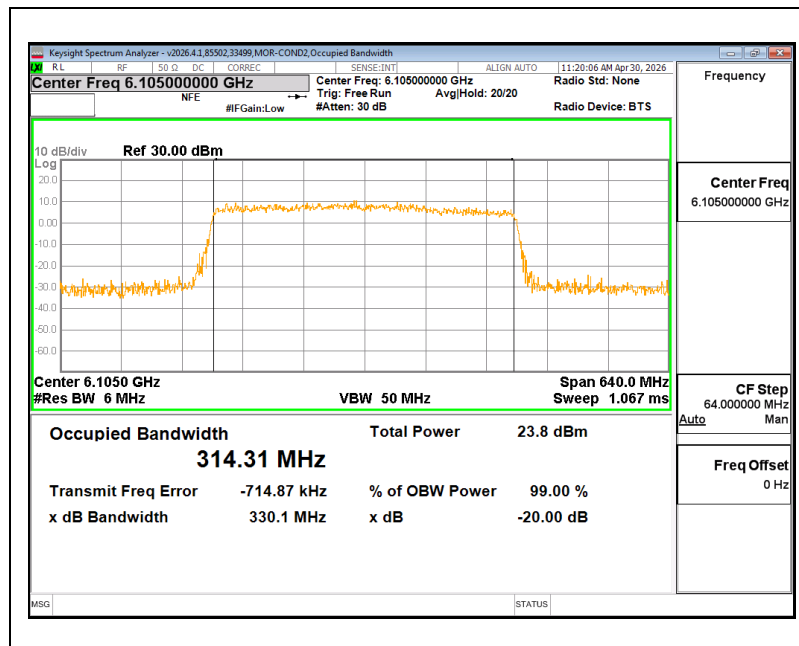
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

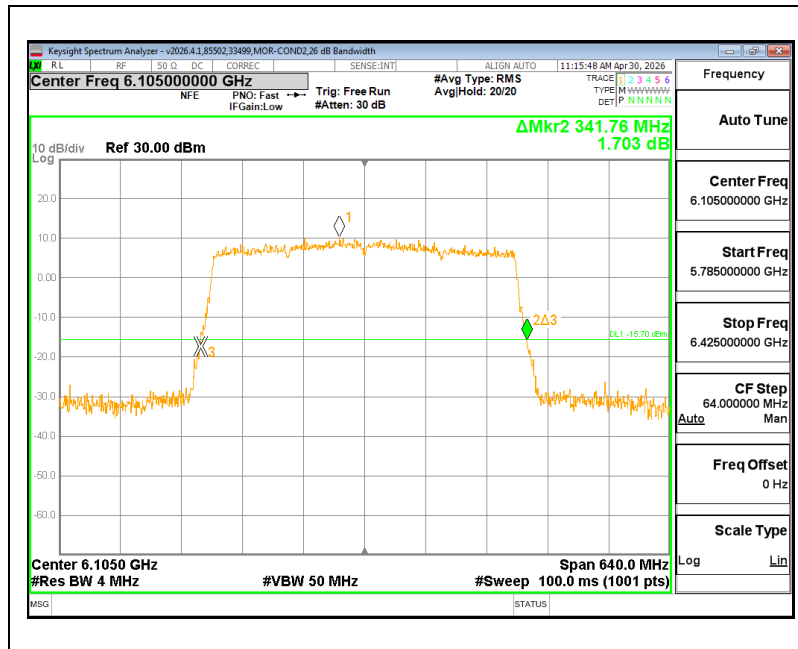
10.5.3. PSD REFERENCE PLOT (MIMO, 802.11a, 6695 MHz)



10.5.4. 99% BW REFERENCE PLOT (MIMO, 802.11be EHT320 SU, 6105 MHz)



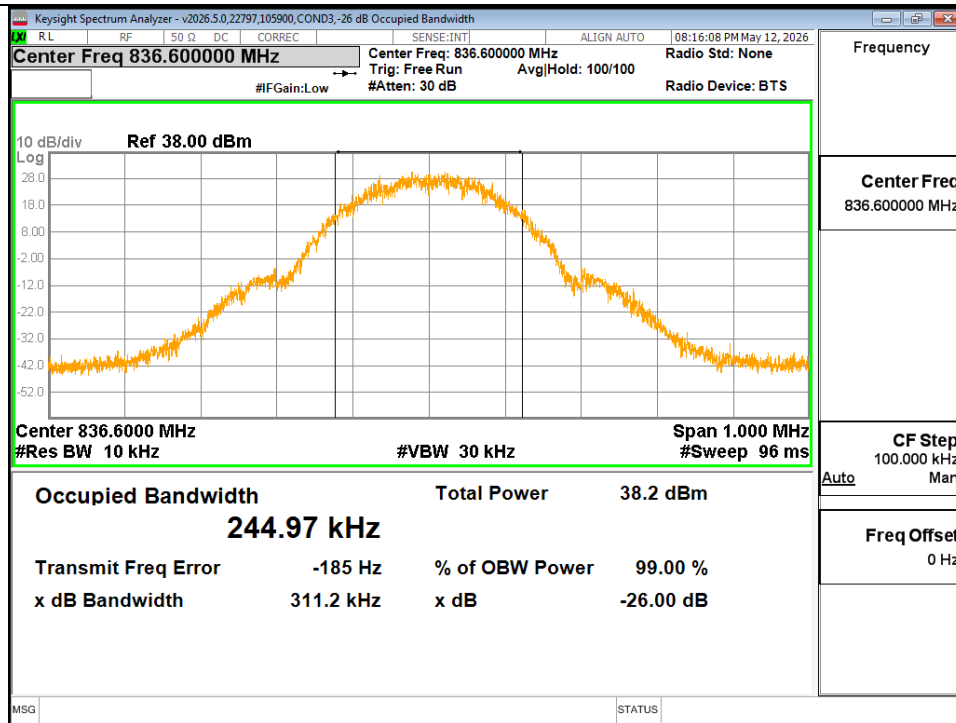
10.5.5. 26 dB REFERENCE PLOT (MIMO, 802.11be EHT320 SU, 6105 MHz)



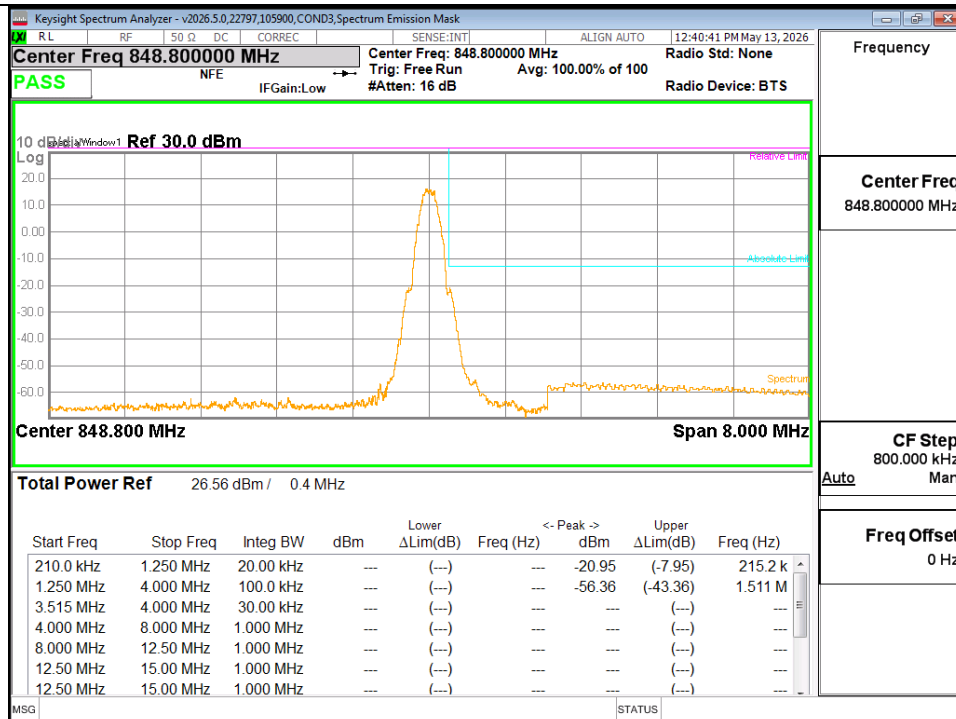
10.6. WWAN (DATA REFERENCING)

10.6.1. CONDUCTED RESULTS

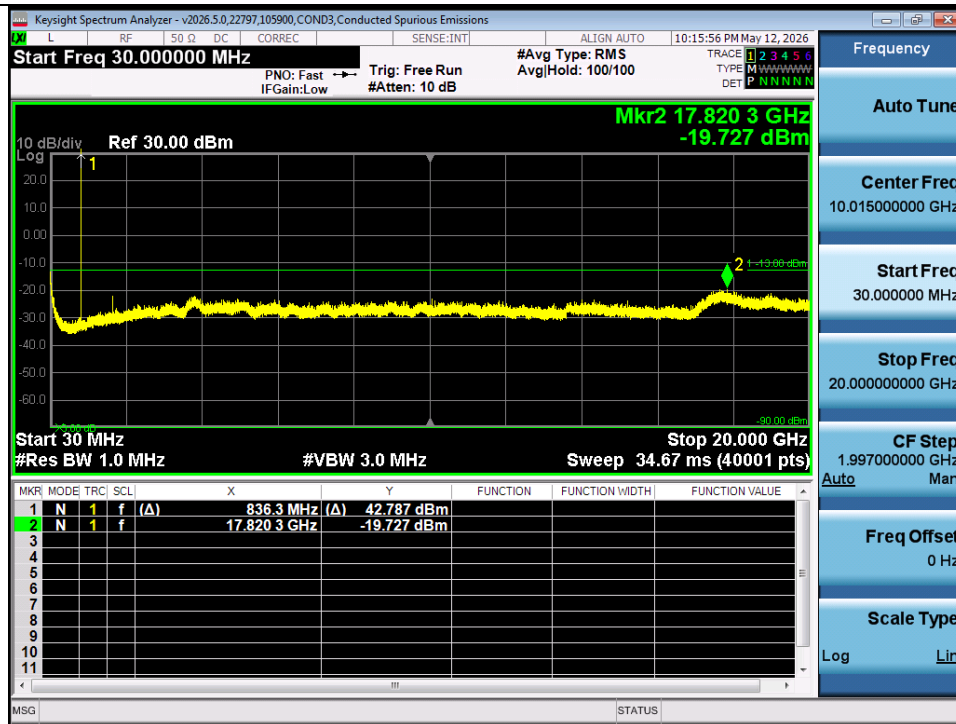
PART 22



GSM850 GPRS -26dB Bandwidth Reference Plot



GSM850 GPRS High CH Channel Emission Mask Reference Plot



GSM850 EGPRS Low Channel Conducted Spurious Emissions Reference Plot

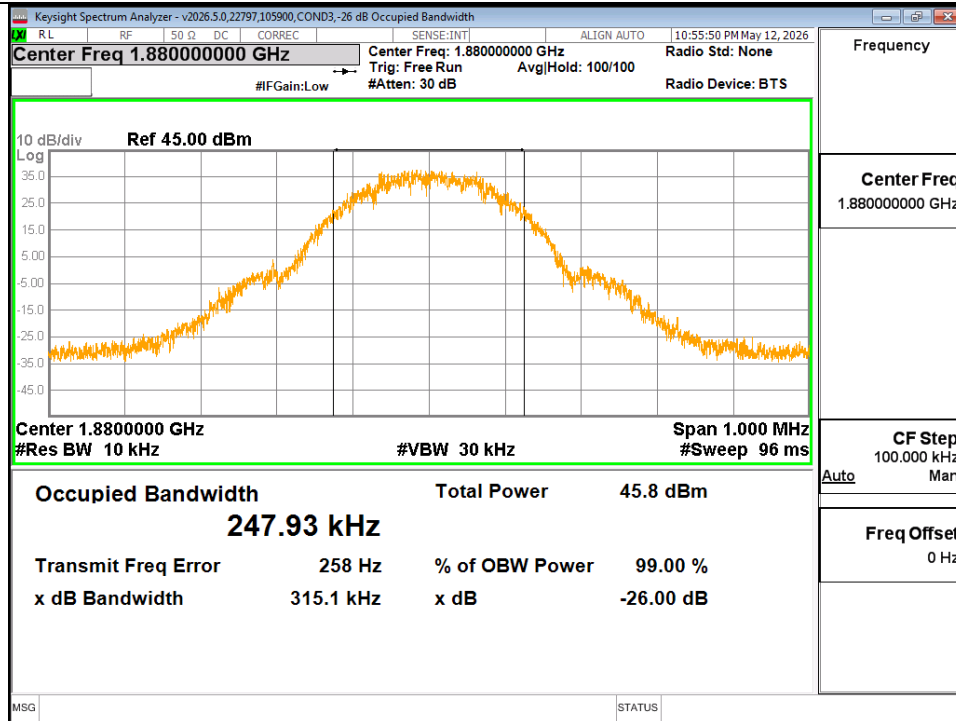
Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
GSM850	N/A	836.6	N/A	N/A	GPRS	32.05	31.33	0.72
					EGPRS	31.66	26.67	4.99
Duty Cycle Correction Factor (dB) =								
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

GSM850 Peak to Average Ratio

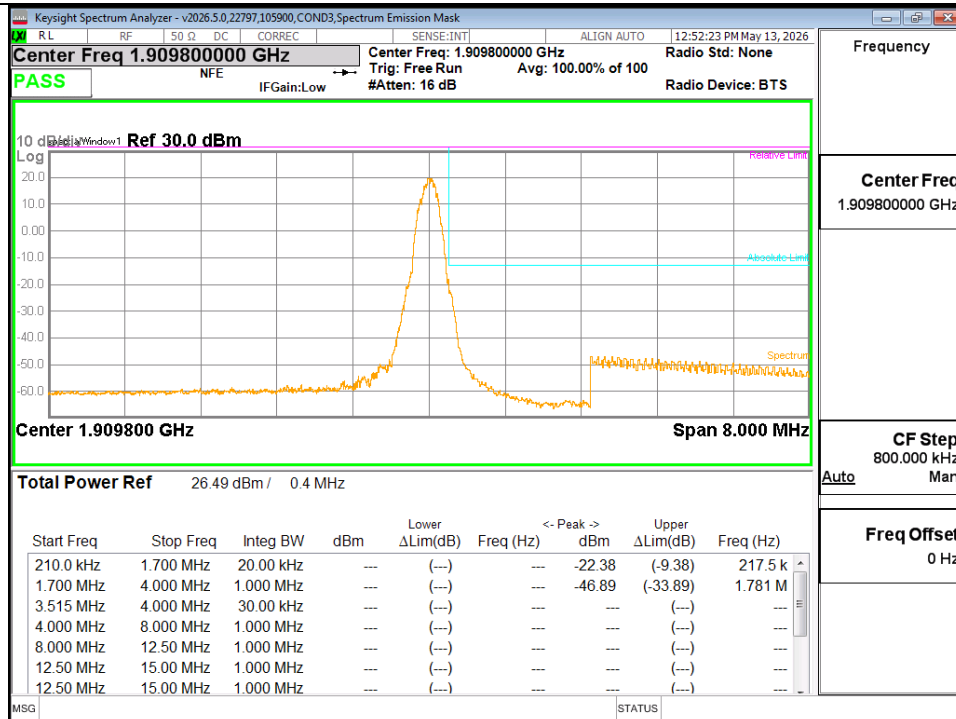
Band	5	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	824.0283	848.9729			
Extreme (50°C)		824.0283	848.9729	5.39	0.006	Yes
Extreme (40°C)		824.0283	848.9729	4.35	0.005	Yes
Extreme (30°C)		824.0283	848.9729	-23.13	-0.028	Yes
Extreme (10°C)		824.0283	848.9729	0.337	0.000	Yes
Extreme (0°C)		824.0283	848.9729	9.86	0.012	Yes
Extreme (-10°C)		824.0283	848.9729	6.61	0.008	Yes
Extreme (-20°C)		824.0283	848.9729	6.03	0.007	Yes
Extreme (-30°C)		824.0283	848.9729	4.98	0.006	Yes
20°C	End Point Voltage	824.0283	848.9729	2.55	0.003	Yes

GSM850 GPRS Frequency Stability

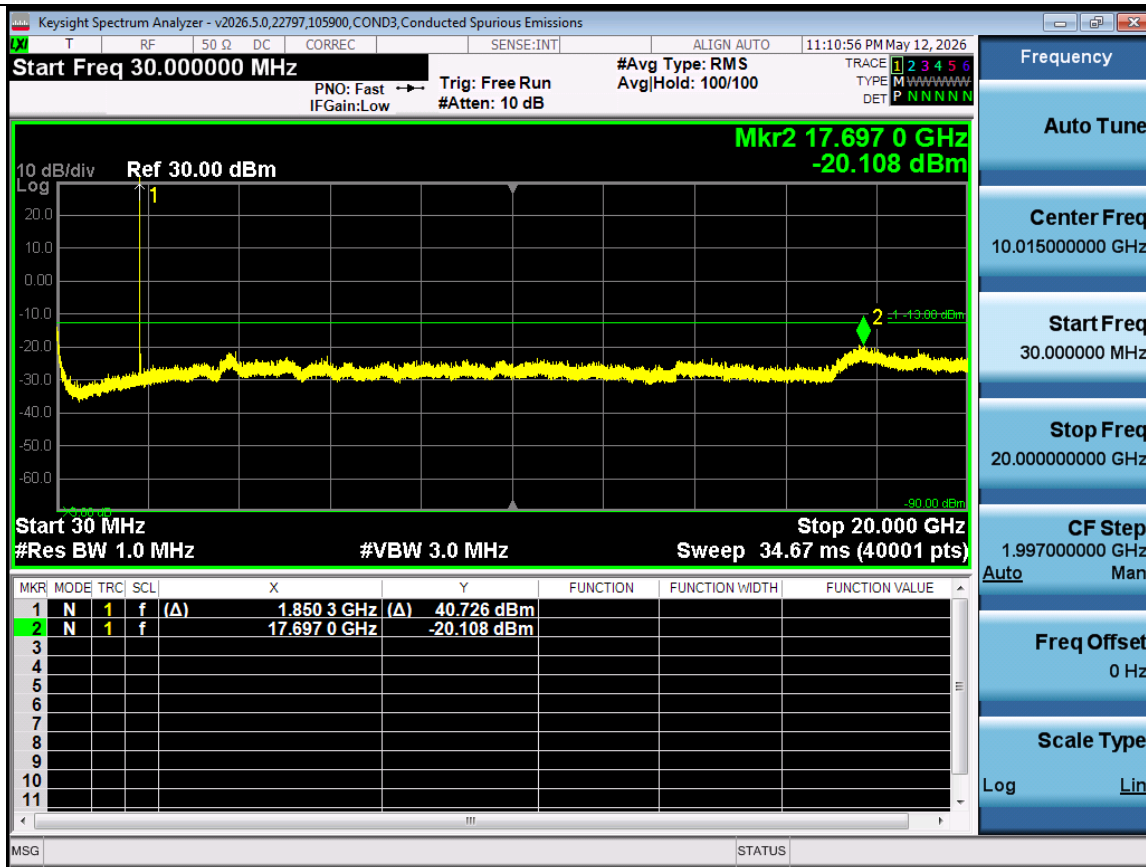
PART 24



GSM1900 GPRS -26dB Bandwidth Reference Plot



GSM1900 GPRS High Channel Emission Mask Reference Plot



GSM1900 GPRS Low Channel Conducted Spurious Emissions Reference Plot

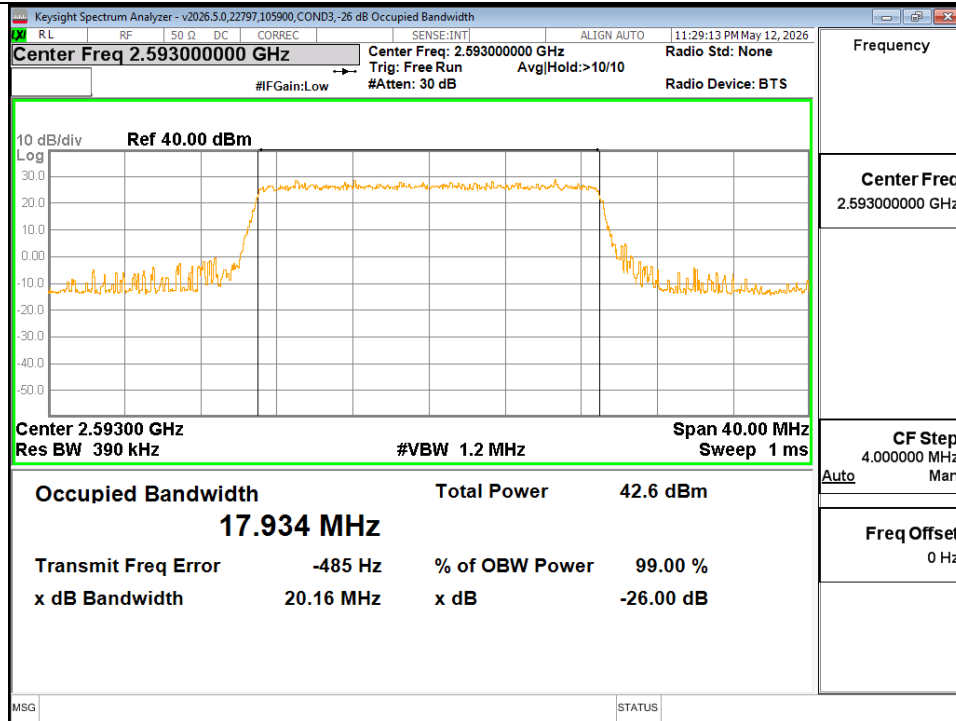
Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
GSM1900	N/A	1880.0	N/A	N/A	GPRS	29.59	29.56	0.03
					EGPRS	29.59	24.02	5.57
Duty Cycle Correction Factor (dB) =								
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

GSM1900 Peak to Average Ratio

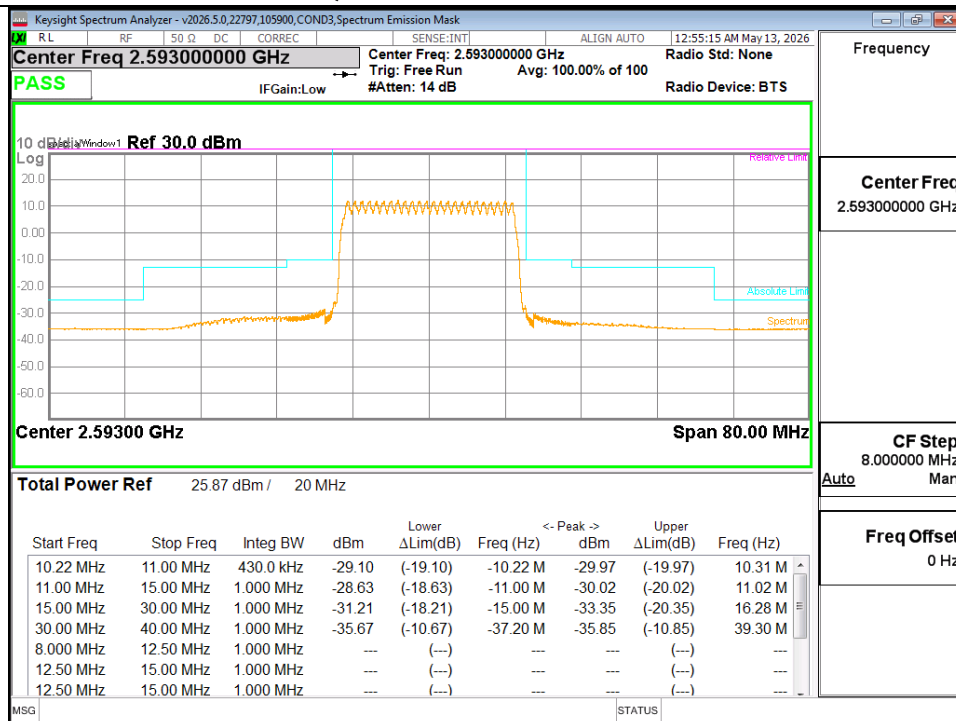
Band	2	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1910		2.5	
Temperature	Voltage	Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	1850.0294	1909.9709			
Extreme (50°C)		1850.0294	1909.9709	6.53	0.003	Yes
Extreme (40°C)		1850.0294	1909.9709	13.41	0.007	Yes
Extreme (30°C)		1850.0294	1909.9709	7.2	0.004	Yes
Extreme (10°C)		1850.0294	1909.9709	5.11	0.003	Yes
Extreme (0°C)		1850.0294	1909.9709	9.58	0.005	Yes
Extreme (-10°C)		1850.0294	1909.9709	-8.55	-0.005	Yes
Extreme (-20°C)		1850.0294	1909.9709	3.5	0.002	Yes
Extreme (-30°C)		1850.0294	1909.9709	9.33	0.005	Yes
20°C	End Point Voltage	1850.0294	1909.9709	-8.52	-0.005	Yes

GSM1900 GPRS Frequency Stability

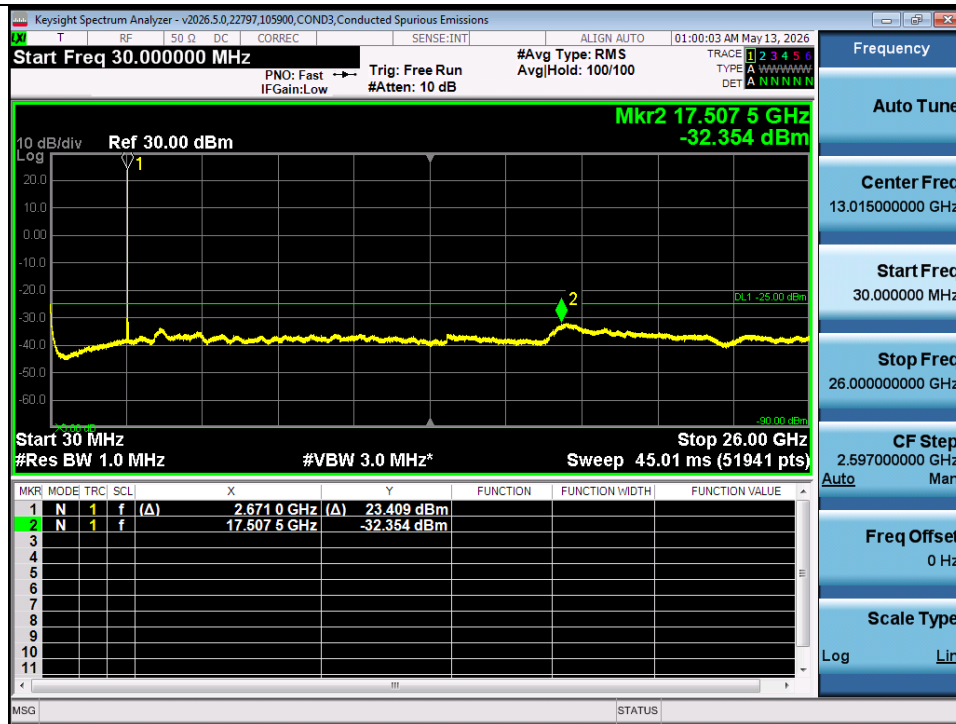
PART 27



LTE Band 41 QPSK -26dB Bandwidth Reference Plot



LTE Band 41 QPSK MID Channel 20MHz RB 100-0 Emission Mask Reference Plot



LTE Band 41 QPSK High Channel 20MHz RB 1-0 Conducted Spurious Emissions Reference Plot

Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio
						Peak	Average	
LTE Band 41	20MHz	2593.0	100	0	QPSK	28.22	23.09	5.13
					16QAM	28.45	22.19	6.26
Duty Cycle Correction Factor (dB) =								
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

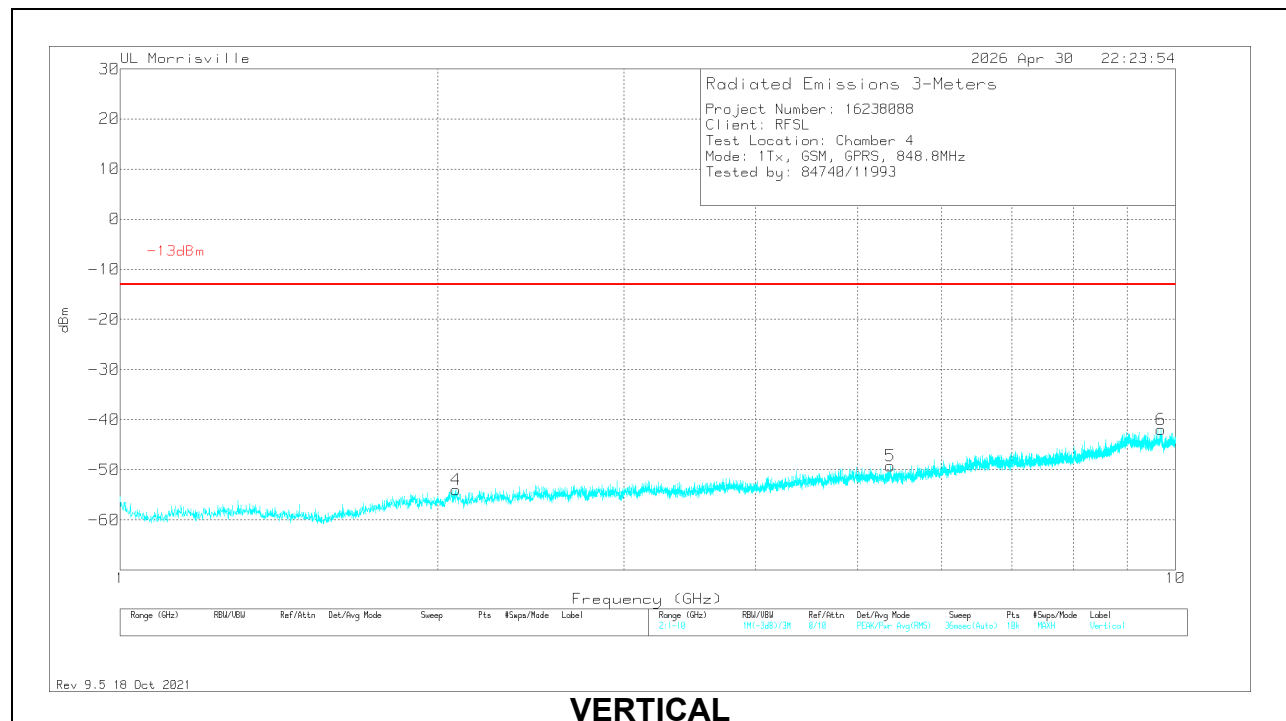
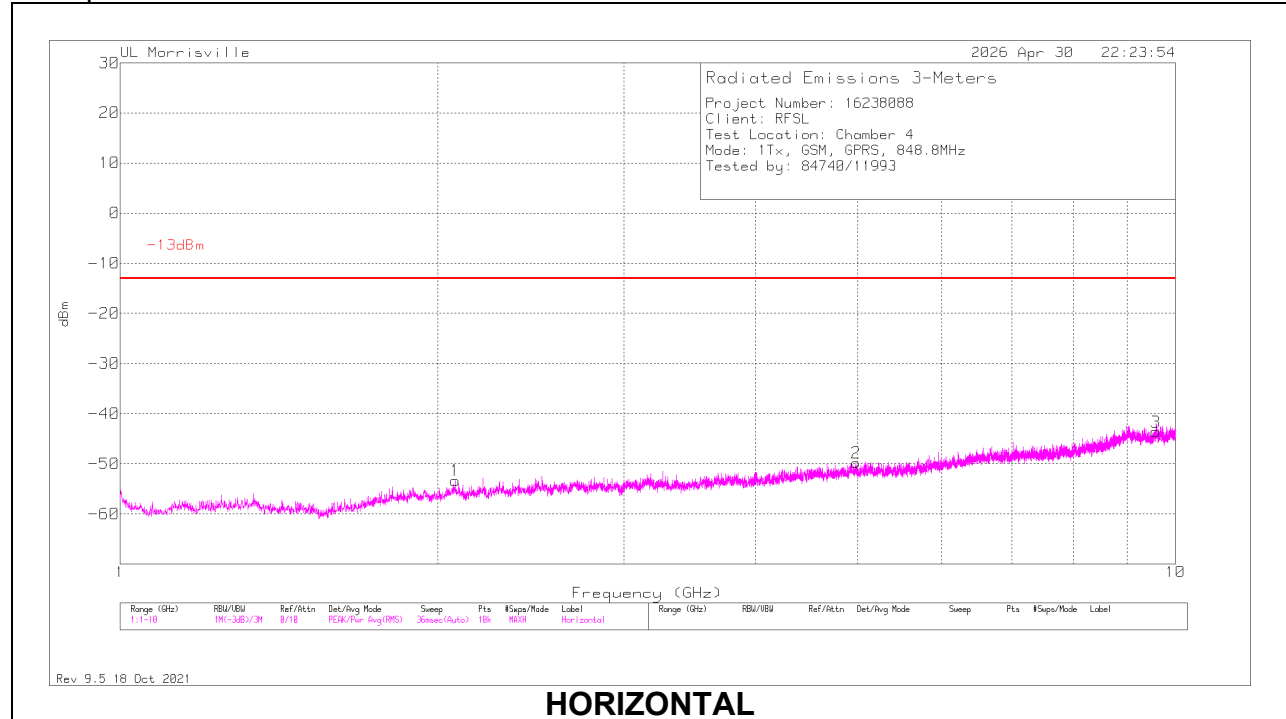
LTE Band 41 Peak to Average Ratio

Band	41	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2496	2690			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage				Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	2496.8280	2689.2120			
Extreme (50°C)		2496.8280	2689.2120	4.74	0.002	Yes
Extreme (40°C)		2496.8280	2689.2120	7.26	0.003	Yes
Extreme (30°C)		2496.8280	2689.2120	6.39	0.002	Yes
Extreme (10°C)		2496.8280	2689.2120	4.53	0.002	Yes
Extreme (0°C)		2496.8280	2689.2120	5.41	0.002	Yes
Extreme (-10°C)		2496.8280	2689.2120	7.34	0.003	Yes
Extreme (-20°C)		2496.8280	2689.2120	5.66	0.002	Yes
Extreme (-30°C)		2496.8280	2689.2120	4.49	0.002	Yes
20°C	End Point Voltage	2496.8280	2689.2120	5.86	0.002	Yes

LTE Band 41 QPSK Frequency Stability

10.6.2. RADIATED SPURIOUS EMISSIONS

Example Plot:



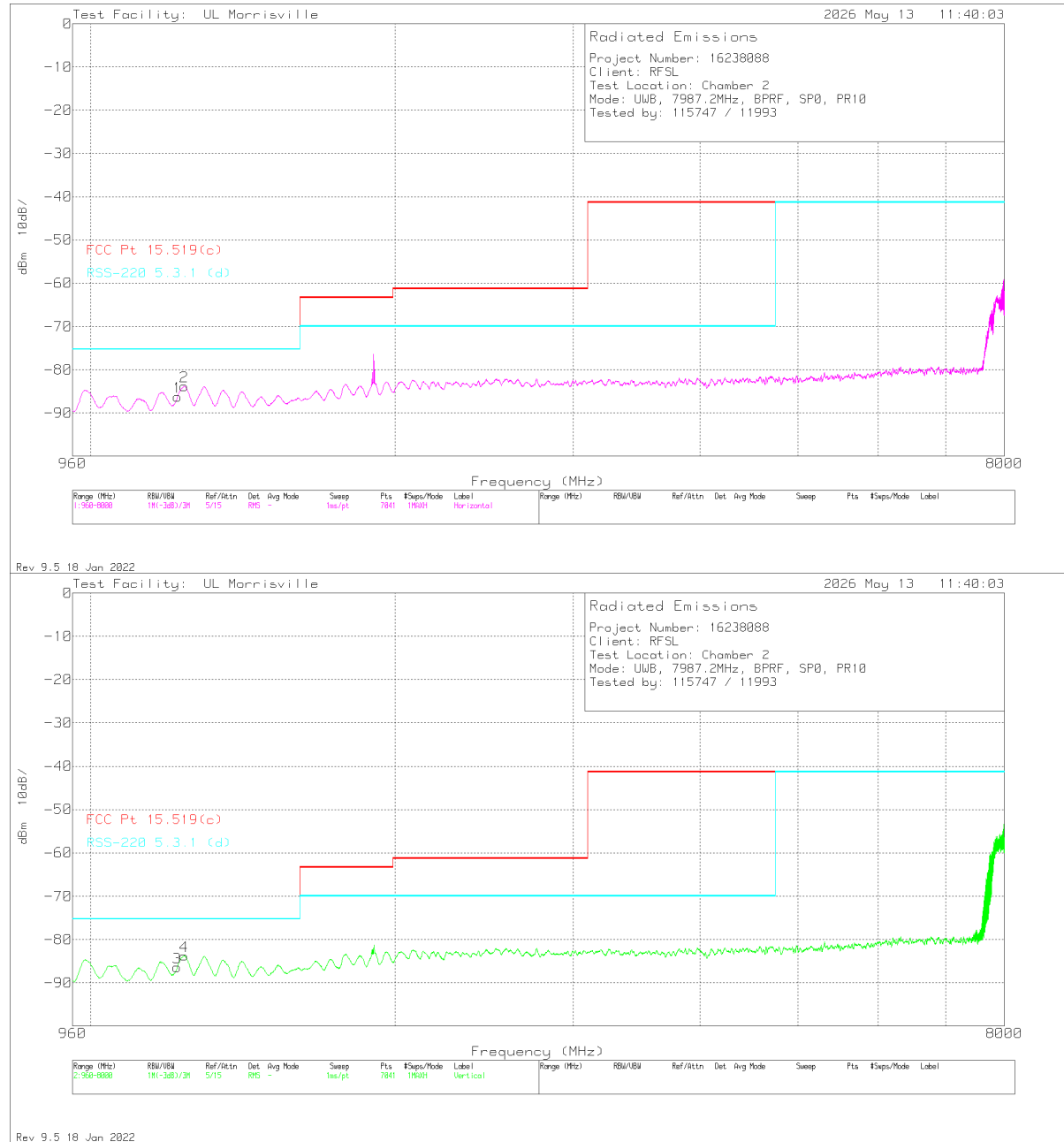
RADIATED EMISSIONS TEST DATA

Mode	Chain	Fund Freq [MHz]	Frequency (GHz)	Meter Reading (dBm)	Det	135143 ACF (dB)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
GSM850, GPRS, CS1, TS1	A+C (C0)	848.8	2.0773	-61.71	Pk	31.7	-35.6	.5	11.8	-53.31	-13	-40.31	0-360	100	H
			2.0818	-62.35	Pk	31.7	-35.6	.5	11.8	-53.95	-13	-40.95	0-360	300	V
			4.9816	-64.6	Pk	34.1	-31.5	.4	11.8	-49.8	-13	-36.8	0-360	100	H
			5.3641	-64.8	Pk	34.5	-31	.3	11.8	-49.2	-13	-36.2	0-360	300	V
			9.5797	-67.76	Pk	36.6	-24.7	.4	11.8	-43.66	-13	-30.66	0-360	200	H
			9.6949	-66.26	Pk	36.7	-24.6	.4	11.8	-41.96	-13	-28.96	0-360	200	V
n41, 16QAM, 100MHz, RB1-1	G (C1)	2592.99	3.976	-64.17	Pk	33.1	-31.4	11.8	.4	-50.27	-25	-25.27	0-360	100	H
			4.991	-63.68	Pk	34.1	-31.2	11.8	.6	-48.38	-25	-23.38	0-360	300	V
			9.054	-66.07	Pk	36.2	-23.2	11.8	.9	-40.37	-25	-15.37	0-360	200	H
			9.06	-66.88	Pk	36.2	-23.3	11.8	.9	-41.28	-25	-16.28	0-360	200	V
			11.648	-66.05	Pk	38.4	-22	11.8	1.1	-36.75	-25	-11.75	0-360	200	V
			11.928	-65.95	Pk	38.7	-22.4	11.8	.5	-37.35	-25	-12.35	0-360	100	H
GSM1900, GPRS, CS1, TS1	B (C0)	1909.8	13.661	-66.96	Pk	38.7	-21	11.8	.8	-36.66	-25	-11.66	0-360	200	H
			2.581	-57.78	Pk	32.5	-35.6	11.8	.6	-48.48	-13	-35.48	0-360	300	V
			2.585	-58.28	Pk	32.5	-35.7	11.8	.6	-49.08	-13	-36.08	0-360	200	H
			9.037	-68.47	Pk	36.2	-23.3	11.8	0	-43.77	-13	-30.77	0-360	200	H
			9.052	-68.53	Pk	36.2	-23.2	11.8	0	-43.73	-13	-30.73	0-360	300	V
			17.065	-66.94	Pk	41.1	-17.6	11.8	0	-31.64	-13	-18.64	0-360	100	H
			17.903	-68.96	Pk	41.1	-15.6	11.8	0	-31.66	-13	-18.66	0-360	300	V

Pk - Peak detector

10.7. UWB (DATA REFERENCING)

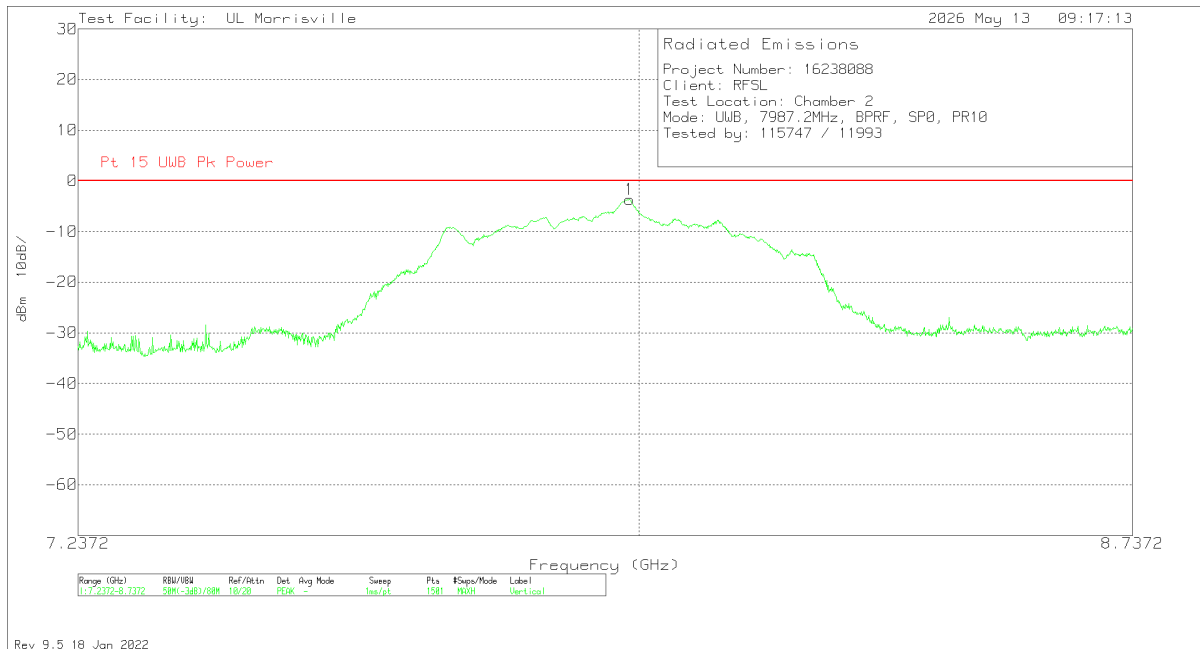
10.7.1. RADIATED SPURIOUS EMISSIONS



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	88761 (dB/m)	Gain/Loss (dB)	DCF (dB)	Conversion factor (dB)	Filter (dB)	Corrected Reading dBm	FCC Pt 15.519(c)	Margin (dB)	RSS-220 5.3.1 (d)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	1218	-61.54	RMS	29	-50.1	-15.6	11.8	0	-86.44	-75.3	-11.14	-75.3	-11.14	219	155	V
1	1219	-61.4	RMS	29	-50	-15.6	11.8	0	-86.2	-75.3	-10.9	-75.3	-10.9	229	155	H
2	1238	-59.25	RMS	29	-49.8	-15.6	11.8	0	-83.85	-75.3	-8.55	-75.3	-8.55	295	155	H
4	1238	-59.16	RMS	29	-49.8	-15.6	11.8	0	-83.76	-75.3	-8.46	-75.3	-8.46	264	155	V

RMS - RMS detection

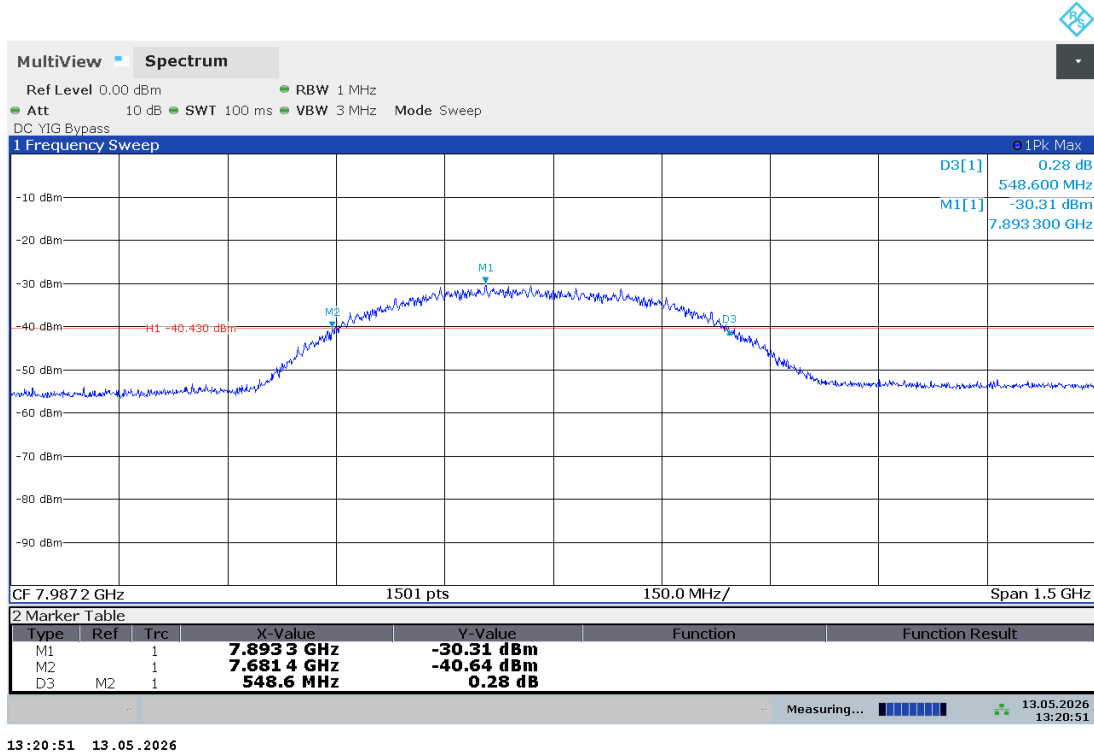
10.7.1. PEAK EIRP



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	Conversion factor (dB)	Corrected Reading dBm	Pt 15 UWB Pk Power	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.9862	-9.3	Pk	35.9	-42.1	11.8	-3.7	0	-3.7	41	110	V

Pk - Peak detector

10.7.1. 10dB BANDWIDTH

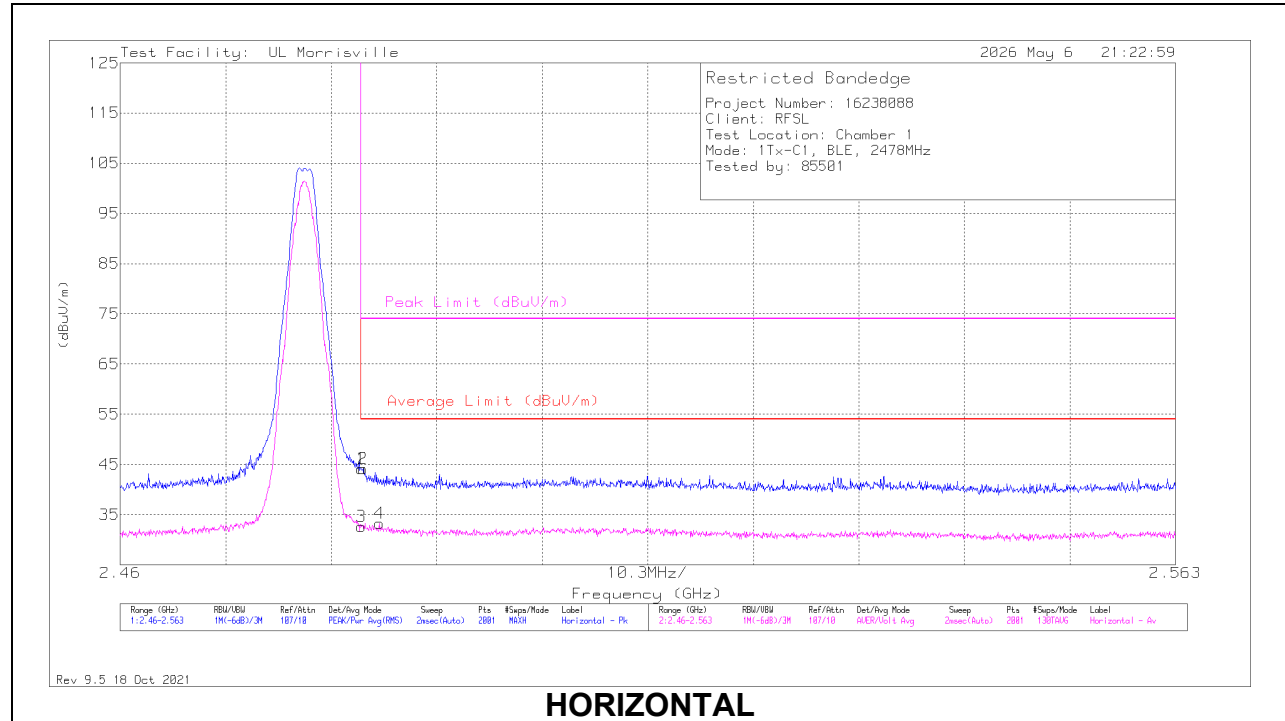


11. FULL TESTING

11.1. BLE TX MODE

RADIATED BANDEDGE

REPRESENTATIVE BANDEDGE (CHAIN 1, BLE 2Mbps, 2478MHz)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	36.28	Pk	32.3	-24.4	0	44.18	-	-	74	-29.82	315	111	H
2	* ** 2.48369	36.26	Pk	32.3	-24.4	0	44.16	-	-	74	-29.84	315	111	H
3	* ** 2.48354	22.42	ADV	32.3	-24.4	2.33	32.65	54	-21.35	-	-	315	111	H
4	* ** 2.48529	23.13	ADV	32.3	-24.5	2.33	33.26	54	-20.74	-	-	315	111	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

RADIATED BANDEDGE TEST DATA

Mode	Chain	Fund Freq [MHz]	Marker	Meas Freq. (MHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BLE 1Mbps	0	2402	1	*** 2.38996	33.24	Pk	32.1	-25.1	0	40.24	-	-	74	-33.76	198	113	H
			2	*** 2.33373	34.69	Pk	31.9	-24.9	0	41.69	-	-	74	-32.31	198	113	H
			3	*** 2.38996	21.57	ADV	32.1	-25.1	1.39	29.96	54	-24.04	-	-	198	113	H
			4	*** 2.35337	21.8	ADV	32	-24.6	1.39	30.59	54	-23.41	-	-	198	113	H
			1	*** 2.38996	32.64	Pk	32.1	-25.1	0	39.64	-	-	74	-34.36	94	115	V
			2	*** 2.34066	34.71	Pk	31.9	-24.9	0	41.71	-	-	74	-32.29	94	115	V
			3	*** 2.38996	21	ADV	32.1	-25.1	1.39	29.39	54	-24.61	-	-	94	115	V
			4	*** 2.35121	22.08	ADV	32	-24.7	1.39	30.77	54	-23.23	-	-	94	115	V
		2480	1	*** 2.48354	35.63	Pk	32.3	-24.4	0	43.53	-	-	74	-30.47	196	133	H
			2	** 2.503	34.82	Pk	32.3	-24.2	0	42.92	-	-	74	-31.08	196	133	H
			3	*** 2.48354	21.41	ADV	32.3	-24.4	1.39	30.7	54	-23.3	-	-	196	133	H
			4	** 2.50372	21.77	ADV	32.3	-24.2	1.39	31.26	54	-22.74	-	-	196	133	H
			1	*** 2.48354	33.06	Pk	32.3	-24.4	0	40.96	-	-	74	-33.04	97	123	V
			2	** 2.51511	35.02	Pk	32.3	-24.5	0	42.82	-	-	74	-31.18	97	123	V
			3	*** 2.48354	21.49	ADV	32.3	-24.4	1.39	30.78	54	-23.22	-	-	97	123	V
			4	*** 2.4995	22.14	ADV	32.3	-24.3	1.39	31.53	54	-22.47	-	-	97	123	V
	1	2402	1	*** 2.38996	32.97	Pk	32.1	-25.1	0	39.97	-	-	74	-34.03	299	133	H
			2	*** 2.33074	35.15	Pk	31.9	-24.9	0	42.15	-	-	74	-31.85	299	133	H
			3	*** 2.38996	20.76	ADV	32.1	-25.1	1.39	29.15	54	-24.85	-	-	299	133	H
			4	*** 2.35284	22.29	ADV	32	-24.6	1.39	31.08	54	-22.92	-	-	299	133	H
			1	*** 2.38996	32.51	Pk	32.1	-25.1	0	39.51	-	-	74	-34.49	101	399	V
			2	*** 2.34497	34.73	Pk	31.9	-24.9	0	41.73	-	-	74	-32.27	101	399	V
			3	*** 2.38996	20.78	ADV	32.1	-25.1	1.39	29.17	54	-24.83	-	-	101	399	V
			4	*** 2.35179	22.17	ADV	32	-24.7	1.39	30.86	54	-23.14	-	-	101	399	V
		2480	1	*** 2483.5	39.9	Pk	32.7	-25.5	0	47.1	-	-	74	-26.9	0	145	H
			2	*** 2483.587	39.77	Pk	32.7	-25.5	0	46.97	-	-	74	-27.03	0	145	H
			3	*** 2483.5	23.62	ADV	32.7	-25.5	1.39	32.21	54	-21.79	-	-	0	145	H
			4	*** 2483.793	23.92	ADV	32.7	-25.5	1.39	32.51	54	-21.49	-	-	0	145	H
			1	*** 2483.5	33.05	Pk	32.7	-25.5	0	40.25	-	-	74	-33.75	72	339	V
			2	** 2526.641	35.13	Pk	33	-26.3	0	41.83	-	-	74	-32.17	72	339	V
			3	*** 2483.5	21.03	ADV	32.7	-25.5	1.39	29.62	54	-24.38	-	-	72	339	V
			4	** 2510.11	22.22	ADV	32.8	-25.6	1.39	30.81	54	-23.19	-	-	72	339	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

Mode	Chain	Fund Freq [MHz]	Marker	Meas Freq. (MHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BLE 2Mbps	0	2404	1	*** 2.38996	32.79	Pk	32.1	-25.1	0	39.79	-	-	74	-34.21	194	120	H
			2	*** 2.35195	35.49	Pk	32	-24.7	0	42.79	-	-	74	-31.21	194	120	H
			3	*** 2.38996	21.01	ADV	32.1	-25.1	2.33	30.34	54	-23.66	-	-	194	120	H
			4	*** 2.35426	21.95	ADV	32	-24.7	2.33	31.58	54	-22.42	-	-	194	120	H
			1	*** 2.38996	32.77	Pk	32.1	-25.1	0	39.77	-	-	74	-34.23	121	309	V
			2	*** 2.32481	34.73	Pk	31.8	-24.9	0	41.63	-	-	74	-32.37	121	309	V
			3	*** 2.38996	20.89	ADV	32.1	-25.1	2.33	30.22	54	-23.78	-	-	121	309	V
			4	*** 2.33394	22.23	ADV	31.9	-24.9	2.33	31.56	54	-22.44	-	-	121	309	V
		2478	1	*** 2483.5	33.03	Pk	32.7	-25.5	0	40.23	-	-	74	-33.77	263	266	H
			2	** 2511.758	36.9	Pk	32.9	-25.5	0	44.3	-	-	74	-29.7	263	266	H
			3	*** 2483.5	21.64	ADV	32.7	-25.5	2.33	31.17	54	-22.83	-	-	263	265	H
			4	** 2512.376	22.05	ADV	32.9	-25.5	2.33	31.78	54	-22.22	-	-	263	265	H
			1	*** 2483.5	33.54	Pk	32.7	-25.5	0	40.74	-	-	74	-33.26	203	175	V
			2	** 2504.136	34.61	Pk	32.8	-25.7	0	41.71	-	-	74	-32.29	203	175	V
			3	*** 2483.5	21.39	ADV	32.7	-25.5	2.33	30.92	54	-23.08	-	-	203	175	V
			4	** 2511.5	22.07	ADV	32.9	-25.5	2.33	31.8	54	-22.2	-	-	203	175	V
	1	2404	1	*** 2.38996	33.34	Pk	32.1	-25.1	0	40.34	-	-	74	-33.66	275	140	H
			2	*** 2.32622	35.17	Pk	31.9	-24.9	0	42.17	-	-	74	-31.83	275	140	H
			3	*** 2.38996	21.31	ADV	32.1	-25.1	2.33	30.64	54	-23.36	-	-	275	140	H
			4	*** 2.34518	22.06	ADV	32	-24.8	2.33	31.59	54	-22.41	-	-	275	140	H
			1	*** 2.38996	32.97	Pk	32.1	-25.1	0	39.97	-	-	74	-34.03	193	353	V
			2	*** 2.31257	34.91	Pk	31.8	-24.8	0	41.91	-	-	74	-32.09	193	353	V
			3	*** 2.38996	21.36	ADV	32.1	-25.1	2.33	30.69	54	-23.31	-	-	193	353	V
			4	*** 2.35337	21.91	ADV	32	-24.6	2.33	31.64	54	-22.36	-	-	193	353	V
		2478	1	*** 2.48354	36.28	Pk	32.3	-24.4	0	44.18	-	-	74	-29.82	315	111	H
			2	*** 2.48369	36.26	Pk	32.3	-24.4	0	44.16	-	-	74	-29.84	315	111	H
			3	*** 2.48354	22.42	ADV	32.3	-24.4	2.33	32.65	54	-21.35	-	-	315	111	H
			4	*** 2.48529	23.13	ADV	32.3	-24.5	2.33	33.26	54	-20.74	-	-	315	111	H
			1	*** 2.48354	34.88	Pk	32.3	-24.4	0	42.78	-	-	74	-31.22	104	326	V
			2	*** 2.48359	35.51	Pk	32.3	-24.4	0	43.41	-	-	74	-30.59	104	326	V
			3	*** 2.48354	21.81	ADV	32.3	-24.4	2.33	32.04	54	-21.96	-	-	104	326	V
			4	** 2.50295	22.48	ADV	32.3	-24.2	2.33	32.91	54	-21.09	-	-	104	326	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

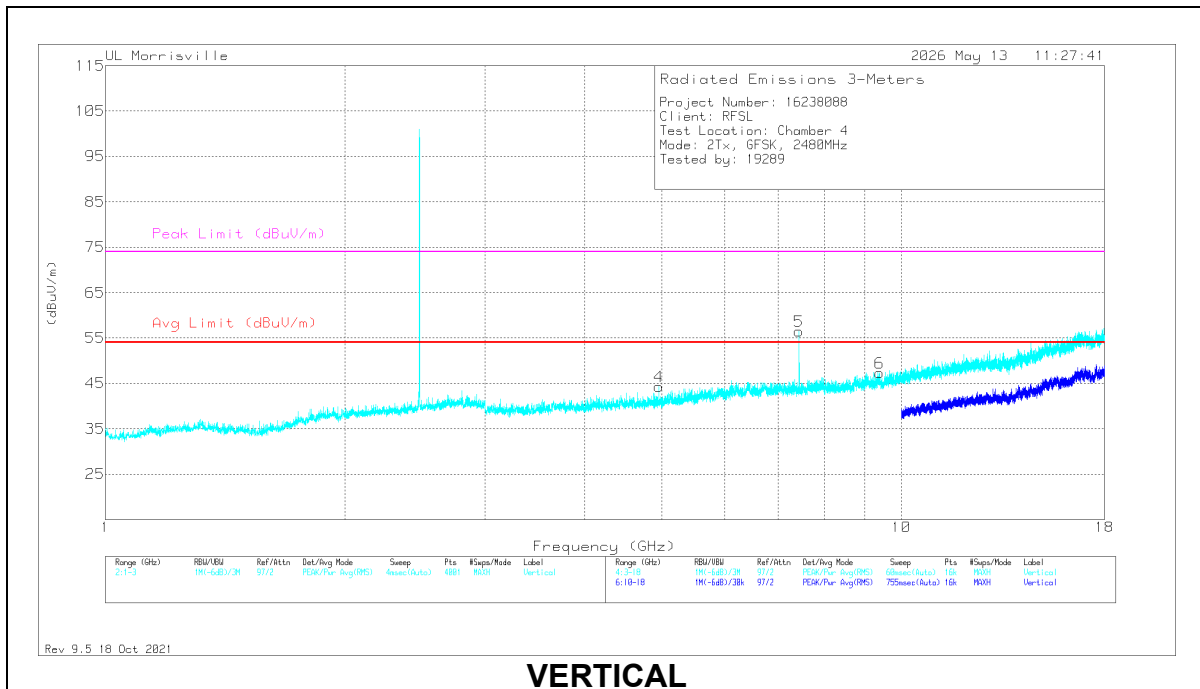
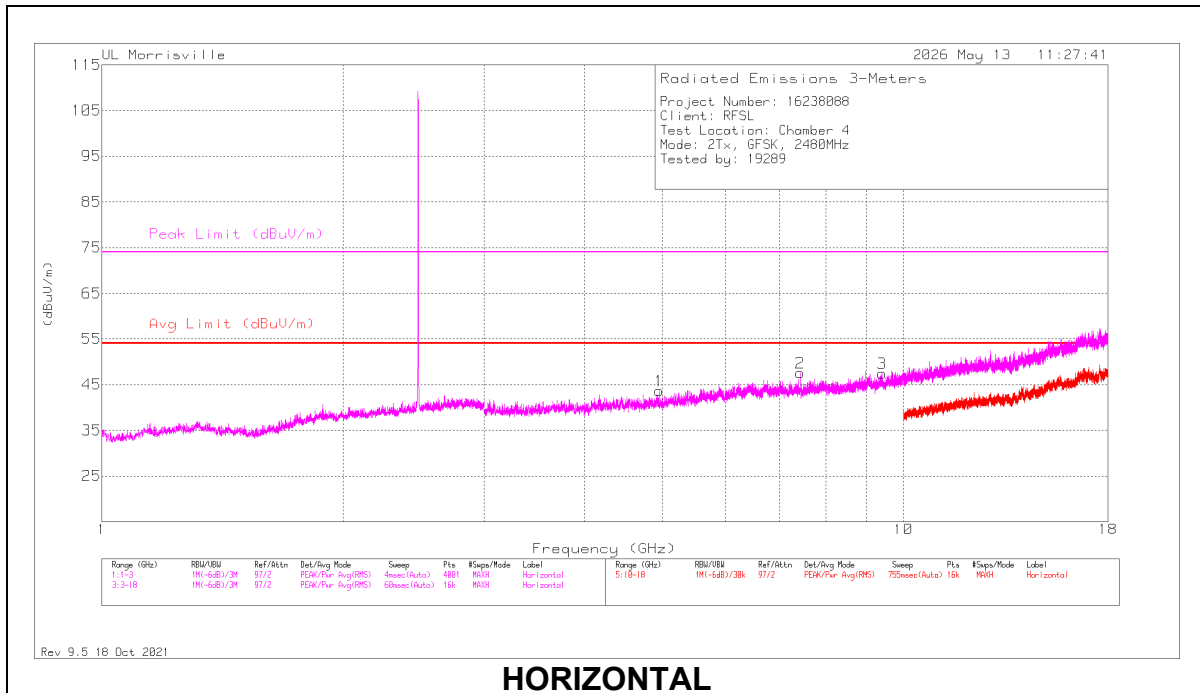
Pk - Peak detector

ADV - Linear Voltage Average

11.2. BT TX MODE

Note: The data below supersedes the corresponding data found in UL report R16238088-E14c.

REPRESENTATIVE HARMONICS (MIMO, GFSK, 2480 MHz)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.95938	40.14	Pk	34	-30.5	0	43.64	54	-10.36	74	-30.36	0-360	100	H
2	* ** 7.44	38.75	Pk	35.6	-26.8	0	47.55	54	-6.45	74	-26.45	0-360	100	H
3	* ** 9.40031	35.39	Pk	36.4	-24.3	0	47.49	54	-6.51	74	-26.51	0-360	100	H
4	* ** 4.96031	40.84	Pk	34	-30.5	0	44.34	54	-9.66	74	-29.66	0-360	200	V
5	* ** 7.44045	49.32	PK2	35.6	-26.8	0	58.12	-	-	74	-15.88	29	101	V
	* ** 7.44045	49.32	PK2	35.6	-26.8	-24	34.12	54	-19.88	-	-	29	101	V
6	* ** 9.38719	35.1	Pk	36.4	-24.2	0	47.3	54	-6.7	74	-26.7	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK2 - Maximum Peak

Average value was determined by subtracting the DCCF from the maximum peak value. The DCCF was calculated based on the worst case on-time when the device transmits DH5 packets and operates on 20 channels (5/1600 s per hop = 3.125 ms per channel). In this mode, the device will have a maximum of 2 hops on a channel in 100ms or 2x 3.125 ms = 6.25 ms on any channel. Therefore, $20\log(6.25 / 100) = -24\text{dB}$.

RADIATED EMISSIONS TEST DATA

Mode	Chain	Fund Freq [MHz]	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BT GFSK	MIMO	2480	1	*** 4.85438	40.19	Pk	33.9	-30.5	0	43.59	54	-10.41	74	-30.41	0-360	100	H
			3	*** 9.40313	34.71	Pk	36.4	-24.3	0	46.81	54	-7.19	74	-27.19	0-360	100	H
			7	*** 9.07781	33.85	Pk	36.3	-23.6	0	46.55	54	-7.45	74	-27.45	0-360	100	H
			4	*** 4.80375	42.02	Pk	33.8	-30.8	0	45.02	54	-8.98	74	-28.98	0-360	200	V
			6	*** 9.35344	34.33	Pk	36.4	-23.4	0	47.33	54	-6.67	74	-26.67	0-360	200	V
			8	*** 9.10031	35.09	Pk	36.3	-24.4	0	46.99	54	-7.01	74	-27.01	0-360	200	V
			2	7.20563	39.01	Pk	35.6	-27.1	0	47.51	-	-	-	-	0-360	100	H
			5	7.20563	49.57	Pk	35.6	-27.1	0	58.07	-	-	-	-	0-360	200	V
		2441	1	*** 4.91156	40.14	Pk	33.9	-30.4	0	43.64	54	-10.36	74	-30.36	0-360	100	H
			2	*** 7.32375	38.3	Pk	35.7	-26.9	0	47.1	54	-6.9	74	-26.9	0-360	100	H
			3	*** 9.38813	35.04	Pk	36.4	-24.3	0	47.14	54	-6.86	74	-26.86	0-360	100	H
			4	*** 4.88156	40.7	Pk	33.9	-31.1	0	43.5	54	-10.5	74	-30.5	0-360	200	V
			5	*** 7.32253	49.36	PK2	35.7	-26.9	0	58.16	-	-	74	-15.84	31	110	V
				*** 7.32253	49.36	PK2	35.7	-26.9	-24	34.16	54	-19.84	-	-	31	110	V
			6	*** 9.41063	34.94	Pk	36.4	-24.3	0	47.04	54	-6.96	74	-26.96	0-360	200	V
			1	*** 4.95938	40.14	Pk	34	-30.5	0	43.64	54	-10.36	74	-30.36	0-360	100	H
		2480	2	*** 7.44	38.75	Pk	35.6	-26.8	0	47.55	54	-6.45	74	-26.45	0-360	100	H
			3	*** 9.40031	35.39	Pk	36.4	-24.3	0	47.49	54	-6.51	74	-26.51	0-360	100	H
			4	*** 4.96031	40.84	Pk	34	-30.5	0	44.34	54	-9.66	74	-29.66	0-360	200	V
			5	*** 7.44045	49.32	PK2	35.6	-26.8	0	58.12	-	-	74	-15.88	29	101	V
				*** 7.44045	49.32	PK2	35.6	-26.8	-24	34.12	54	-19.88	-	-	29	101	V
			6	*** 9.38719	35.1	Pk	36.4	-24.2	0	47.3	54	-6.7	74	-26.7	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

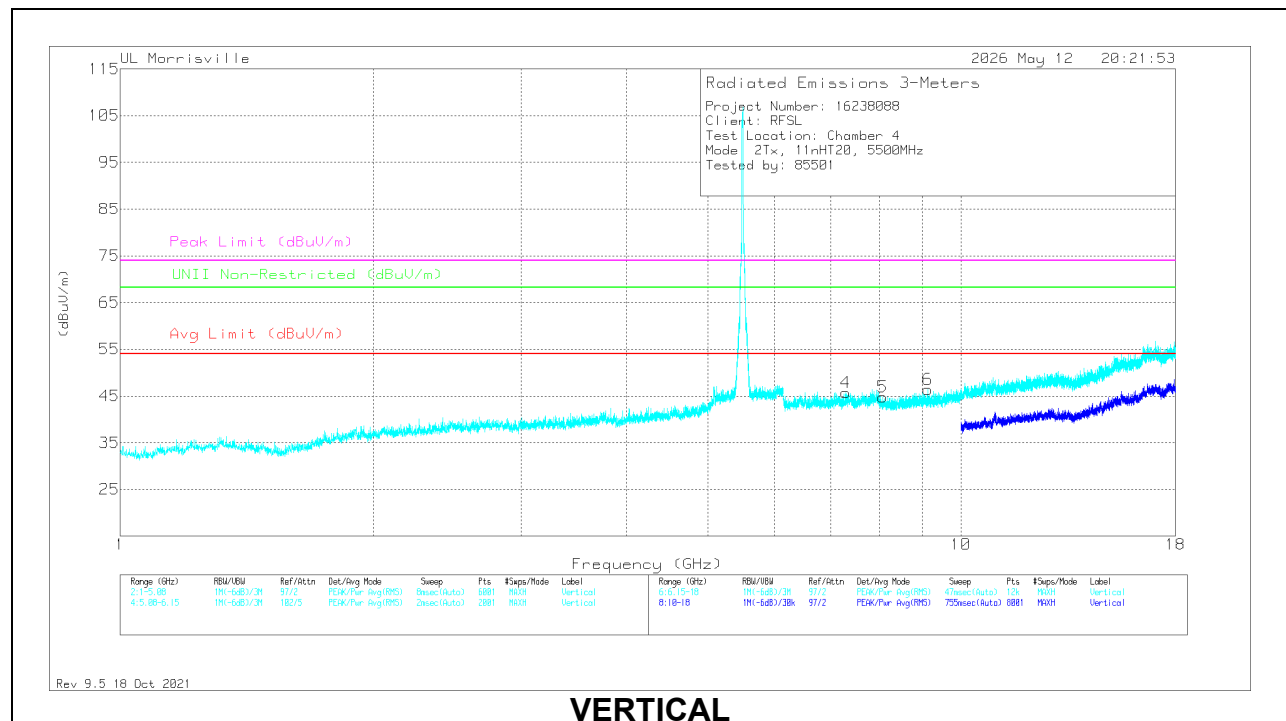
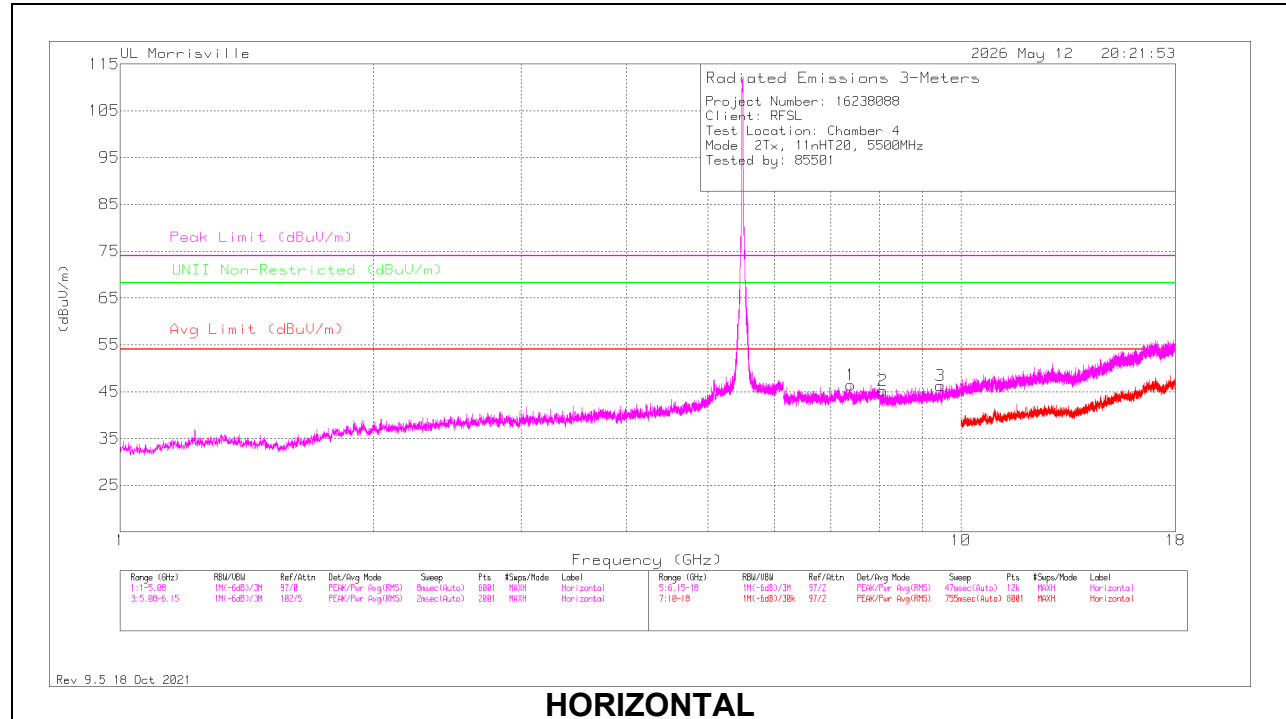
PK2 - Maximum Peak

Average value was determined by subtracting the DCCF from the maximum peak value. The DCCF was calculated based on the worst case on-time when the device transmits DH5 packets and operates on 20 channels (5/1600 s per hop = 3.125 ms per channel). In this mode, the device will have a maximum of 2 hops on a channel in 100ms or 2x 3.125 ms = 6.25 ms on any channel. Therefore, 20log (6.25 / 100) = - 24dB.

11.3. 5GHz WLAN MODE

Note: The data below supersedes the corresponding data found in UL report R16238088-E15c.

REPRESENTATIVE HARMONICS (MIMO, 802.11n HT20, 5500 MHz)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 7.39919	36.64	Pk	35.5	-25.7	0	46.44	54	-7.56	74	-27.56	-	-	0-360	200	H
2	* ** 8.07859	35.96	Pk	35.8	-26.5	0	45.26	54	-8.74	74	-28.74	-	-	0-360	200	H
3	* ** 9.45023	34.03	Pk	36.4	-24.2	0	46.23	54	-7.77	74	-27.77	-	-	0-360	200	H
4	* ** 7.29945	36.59	Pk	35.7	-26.6	0	45.69	54	-8.31	74	-28.31	-	-	0-360	100	V
5	* ** 8.07859	35.56	Pk	35.8	-26.5	0	44.86	54	-9.14	74	-29.14	-	-	0-360	100	V
6	* ** 9.14114	34.59	Pk	36.3	-24.5	0	46.39	54	-7.61	74	-27.61	-	-	0-360	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

RADIATED EMISSIONS TEST DATA

Mode	Chain	Fund Freq [MHz]	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
802.11n HT20	MIMO	5500	1	*** 7.39919	36.64	Pk	35.5	-25.7	0	46.44	54	-7.56	74	-27.56	-	-	0-360	200	H
			2	*** 8.07859	35.96	Pk	35.8	-26.5	0	45.26	54	-8.74	74	-28.74	-	-	0-360	200	H
			3	*** 9.45023	34.03	Pk	36.4	-24.2	0	46.23	54	-7.77	74	-27.77	-	-	0-360	200	H
			4	*** 7.29945	36.59	Pk	35.7	-26.6	0	45.69	54	-8.31	74	-28.31	-	-	0-360	100	V
			5	*** 8.07859	35.56	Pk	35.8	-26.5	0	44.86	54	-9.14	74	-29.14	-	-	0-360	100	V
			6	*** 9.14114	34.59	Pk	36.3	-24.5	0	46.39	54	-7.61	74	-27.61	-	-	0-360	100	V
		5600	1	*** 3.77848	42.55	Pk	33.2	-32.3	0	43.45	54	-10.55	74	-30.55	-	-	0-360	100	H
			2	*** 7.66581	36.93	Pk	35.6	-26.1	0	46.43	54	-7.57	74	-27.57	-	-	0-360	100	H
			3	*** 9.06806	34.65	Pk	36.2	-24.2	0	46.65	54	-7.35	74	-27.35	-	-	0-360	100	H
			4	*** 7.39623	36.02	Pk	35.5	-25.6	0	45.92	54	-8.08	74	-28.08	-	-	0-360	200	V
			5	*** 8.27411	36.51	Pk	35.8	-26	0	46.31	54	-7.69	74	-27.69	-	-	0-360	200	V
			6	*** 9.48479	35.55	Pk	36.5	-24.8	0	47.25	54	-6.75	74	-26.75	-	-	0-360	200	V
		5700	1	*** 4.32724	40.53	Pk	33.7	-31.3	0	42.93	54	-11.07	74	-31.07	-	-	0-360	100	H
			4	*** 4.36464	40.74	Pk	33.7	-31	0	43.44	54	-10.56	74	-30.56	-	-	0-360	200	V
			2	*** 7.37944	37.61	Pk	35.5	-26.3	0	46.81	54	-7.19	74	-27.19	-	-	0-360	100	H
			3	*** 9.3732	34.8	Pk	36.4	-24.6	0	46.6	54	-7.4	74	-27.4	-	-	0-360	100	H
			5	*** 7.40808	37.54	Pk	35.5	-26.3	0	46.74	54	-7.26	74	-27.26	-	-	0-360	200	V
			6	*** 9.14213	36.03	Pk	36.3	-24.5	0	47.83	54	-6.17	74	-26.17	-	-	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

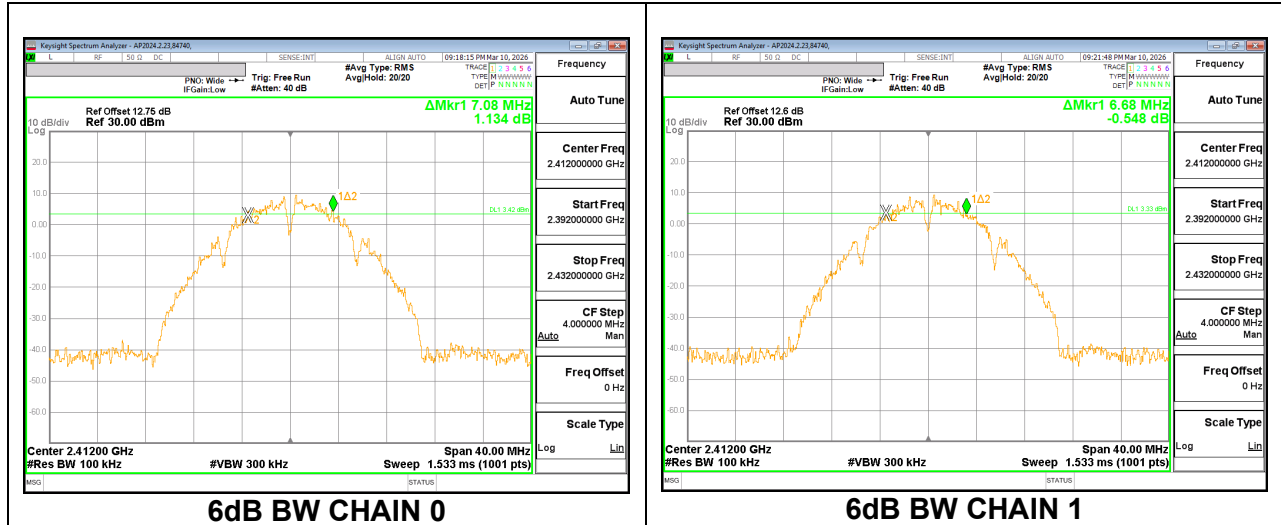
Pk - Peak detector

11.4. 2.4GHz WLAN 802.11b SISO MODE

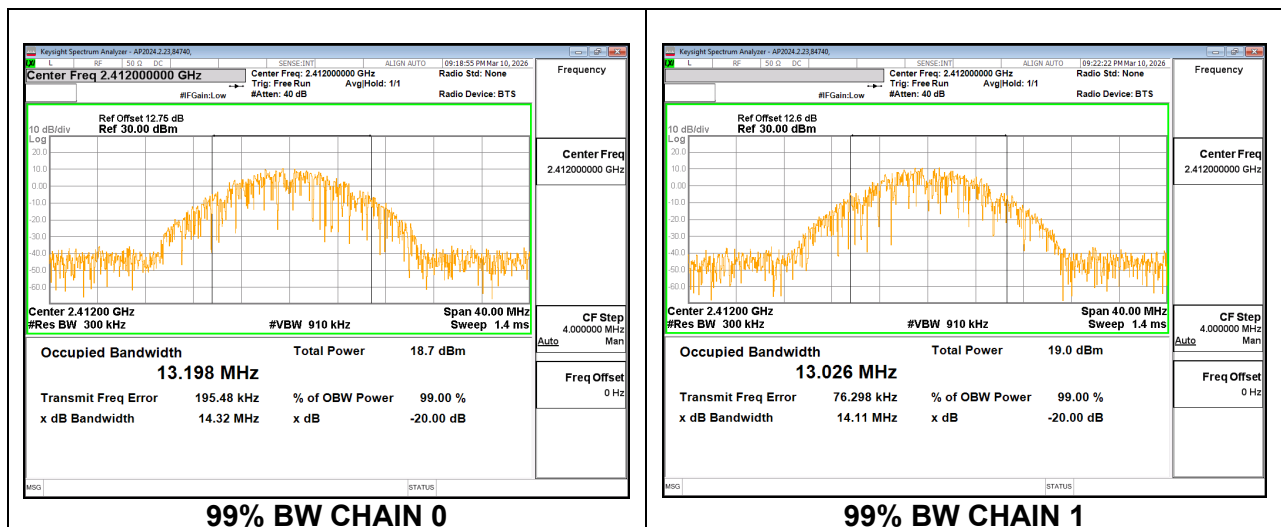
Note: The SISO data below supersedes the MIMO data found in UL report R16238088-E14c. 802.11b MIMO is not supported on the Japan Variant.

11.4.1. 6dB/99% BANDWIDTH

6dB BW Example Plot



99% BW Example Plot



Band	Chain	Center Frequency [MHz]	6dB BW [MHz]	Minimum 6dB BW [MHz]	99% BW [MHz]	Minimum 99% BW [MHz]
802.11b	0	2412	7.08	6.52	13.198	13.035
		2437	6.88		13.436	
		2472	6.52		13.035	
	1	2412	6.68	6.68	13.026	13.026
		2437	7.16		13.427	
		2472	7.80		13.097	

11.4.2. OUTPUT POWER

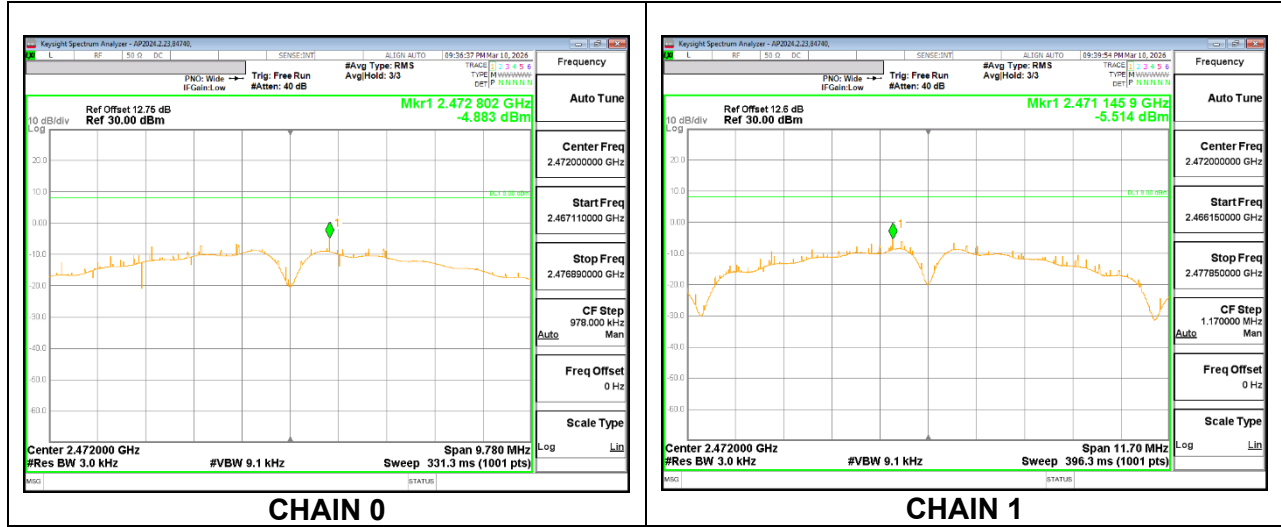
Mode	Chain	Freq. [MHz]	Output Power [dBm]	Maximum Power Limit [dBm]	Margin [dBm]	EIRP Limit [dBm]
802.11b	0	2412	22.18	30.00	-7.82	36.00
		2437	21.80	30.00	-8.20	36.00
		2462	21.65	30.00	-8.35	36.00
		2467	7.12	30.00	-22.88	36.00
		2472	0.90	30.00	-29.10	36.00
	1	2412	21.74	30.00	-8.26	36.00
		2437	21.65	30.00	-8.35	36.00
		2462	22.09	30.00	-7.91	36.00
		2467	7.81	30.00	-22.19	36.00
		2472	1.80	30.00	-28.20	36.00

11.4.3. AVERAGE POWER

Mode	Chain	Freq. [MHz]	Average Power [dBm]
802.11b	0	2412	19.36
		2437	18.84
		2462	18.91
		2467	4.26
		2472	-2.13
	1	2412	19.10
		2437	18.90
		2462	19.27
		2467	4.91
		2472	-1.18

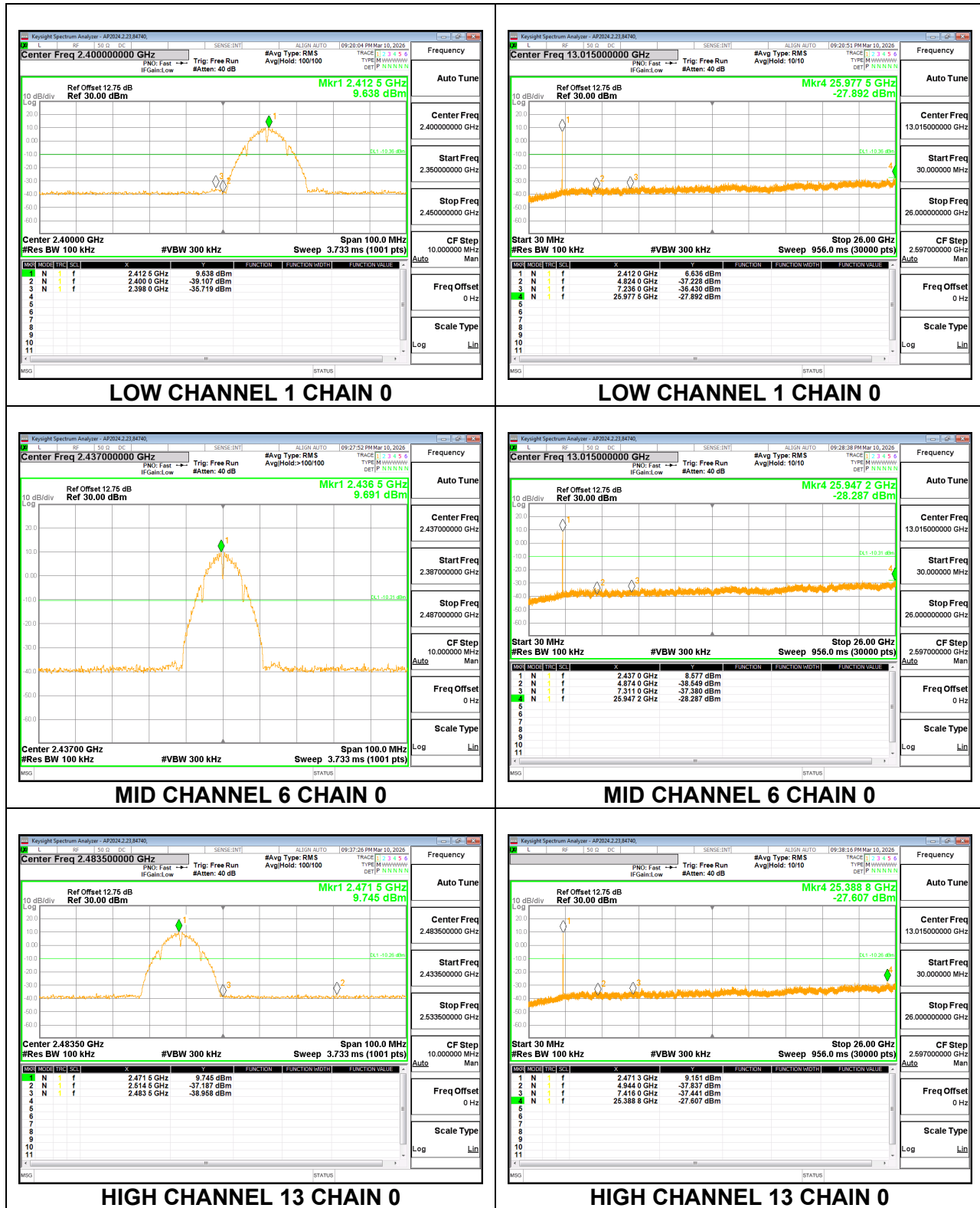
11.4.4. POWER SPECTRAL DENSITY

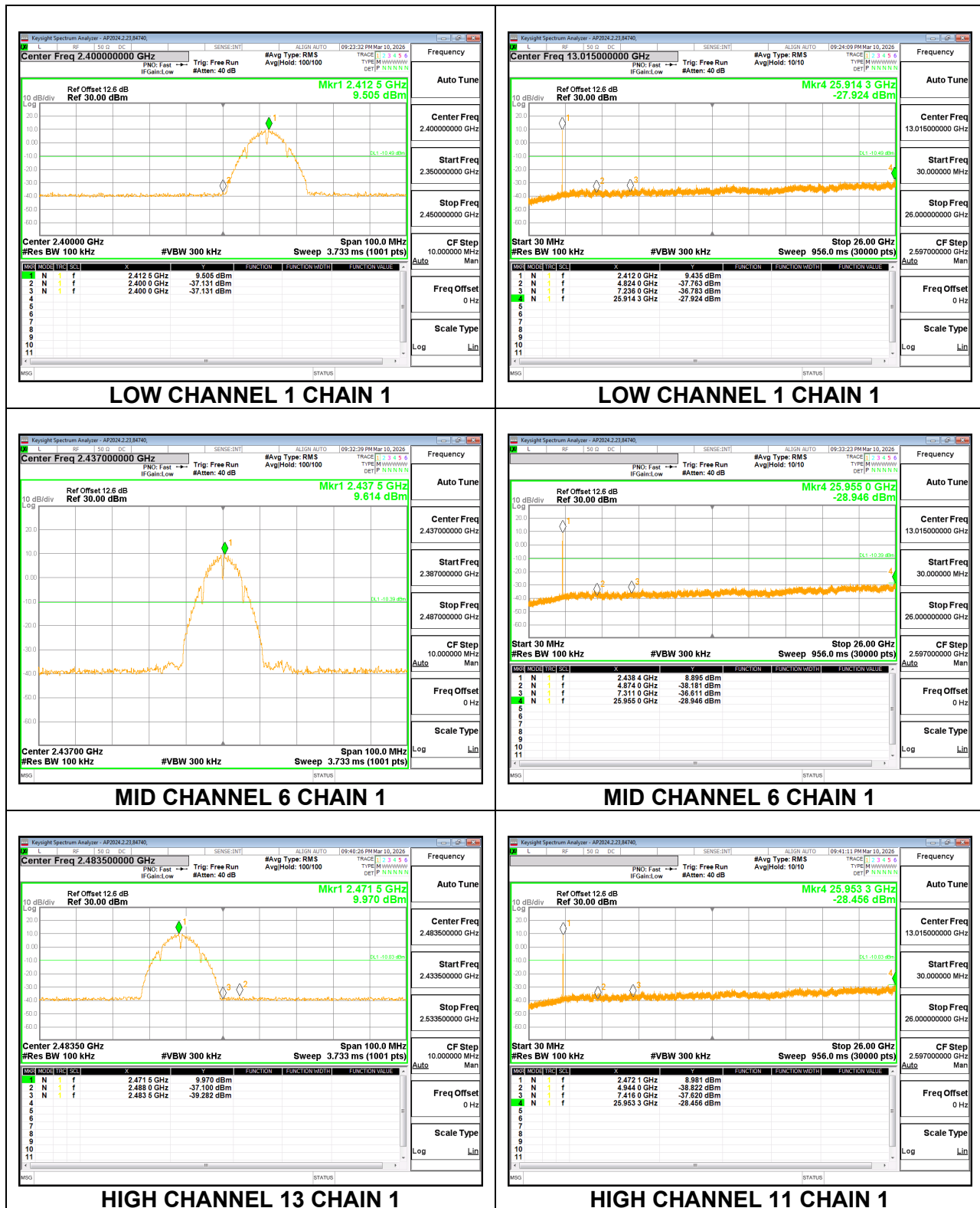
2.4 WLAN Worst-Case (802.11b)



Mode	Chain	Freq. [MHz]	PSD [dBm]	PSD Limit [dBm]
802.11b	0	2412	-7.12	8.00
		2437	-5.70	8.00
		2472	-4.88	8.00
	1	2412	-6.78	8.00
		2437	-4.93	8.00
		2472	-5.51	8.00

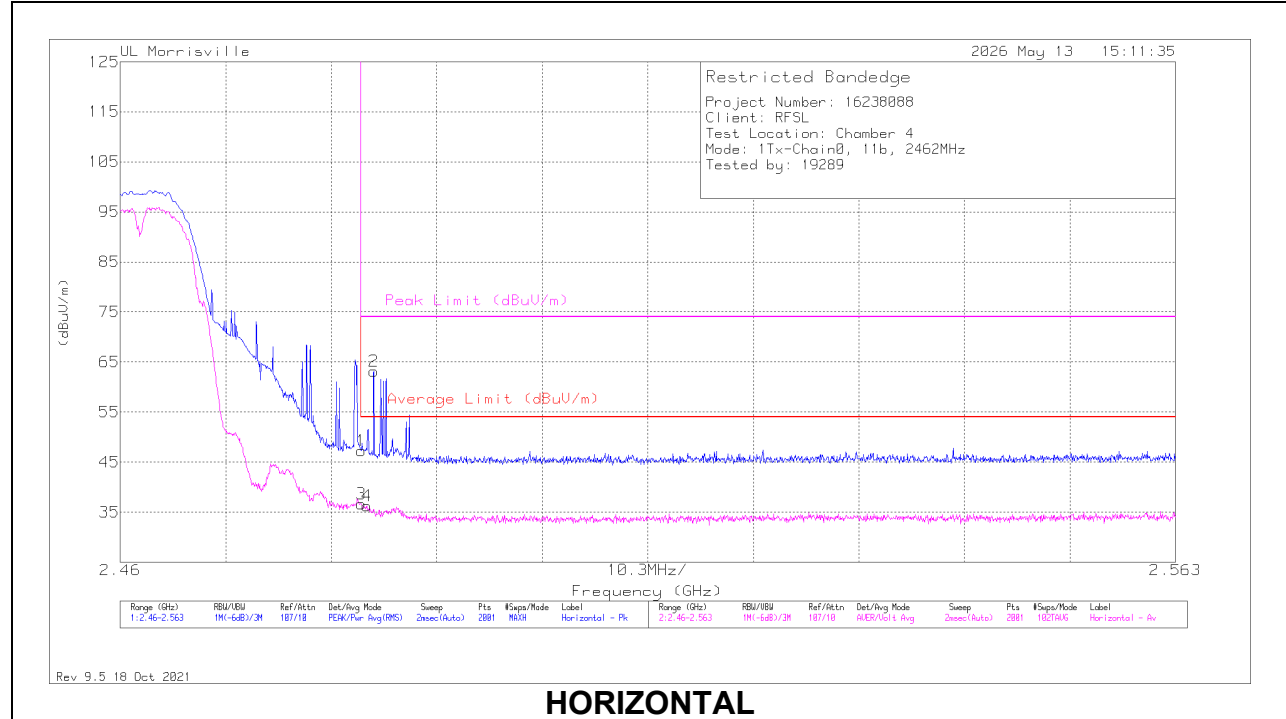
11.4.5. CONDUCTED SPURIOUS EMISSIONS





11.4.6. RADIATED BANDEGE

REPRESENTATIVE BANDEGE (CHAIN 0, 802.11b, 2462MHz)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	37.16	Pk	32.4	-22.3	0	47.26	-	-	74	-26.74	353	253	H
2	* ** 2.48477	53.07	Pk	32.4	-22.3	0	63.17	-	-	74	-10.83	353	253	H
3	* ** 2.48354	26.38	ADV	32.4	-22.3	.19	36.67	54	-17.33	-	-	353	253	H
4	* ** 2.4841	25.97	ADV	32.4	-22.3	.19	36.26	54	-17.74	-	-	353	253	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

RADIATED BANDEDGE TEST DATA

Mode	Chain	Fund Freq [MHz]	Marker	Meas Freq. (MHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
802.11b	0	2412	1	*** 2.38996	35.27	Pk	31.9	-22.4	0	44.77	-	-	74	-29.23	232	101	H
			2	*** 2.35835	36.85	Pk	31.9	-22.5	0	46.25	-	-	74	-27.75	232	101	H
			3	*** 2.38996	23.67	ADV	31.9	-22.4	.19	33.36	54	-20.64	-	-	232	100	H
			4	*** 2.3678	24.2	ADV	31.9	-22.5	.19	33.79	54	-20.21	-	-	232	100	H
			1	*** 2.38996	35.41	Pk	31.9	-22.4	0	44.91	-	-	74	-29.09	229	349	V
			2	*** 2.38581	36.73	Pk	31.9	-22.4	0	46.23	-	-	74	-27.77	229	349	V
			3	*** 2.38996	22.72	ADV	31.9	-22.4	.19	32.41	54	-21.59	-	-	229	349	V
			4	*** 2.38366	24.33	ADV	32	-22.5	.19	34.02	54	-19.98	-	-	229	349	V
			1	*** 2.48354	37.16	Pk	32.4	-22.3	0	47.26	-	-	74	-26.74	353	253	H
			2	*** 2.48477	53.07	Pk	32.4	-22.3	0	63.17	-	-	74	-10.83	353	253	H
			3	*** 2.48354	26.38	ADV	32.4	-22.3	.19	36.67	54	-17.33	-	-	353	253	H
			4	*** 2.4841	25.97	ADV	32.4	-22.3	.19	36.26	54	-17.74	-	-	353	253	H
		2462	1	*** 2.48354	37.11	Pk	32.4	-22.3	0	47.21	-	-	74	-26.79	122	130	V
			2	*** 2.48807	42.05	Pk	32.4	-22.3	0	52.15	-	-	74	-21.85	122	130	V
			3	*** 2.48354	25.59	ADV	32.4	-22.3	.19	35.88	54	-18.12	-	-	122	130	V
			4	*** 2.48364	25.94	ADV	32.4	-22.3	.19	36.23	54	-17.77	-	-	122	130	V
			1	*** 2.48354	35.38	Pk	32.4	-22.3	0	45.48	-	-	74	-28.52	351	277	H
			2	*** 2.48369	41.71	Pk	32.4	-22.3	0	51.81	-	-	74	-22.19	351	277	H
			3	*** 2.48354	23.54	ADV	32.4	-22.3	.19	33.83	54	-20.17	-	-	351	277	H
			4	** 2.50197	24.73	ADV	32.4	-22.4	.19	34.92	54	-19.08	-	-	351	277	H
		2467	1	*** 2.48354	34.21	Pk	32.4	-22.3	0	44.31	-	-	74	-29.69	116	132	V
			2	** 2.53746	36.55	Pk	32.5	-22.2	0	46.85	-	-	74	-27.15	116	132	V
			3	*** 2.48354	22.29	ADV	32.4	-22.3	.19	32.58	54	-21.42	-	-	116	132	V
			4	** 2.55919	24.05	ADV	32.5	-22	.19	34.74	54	-19.26	-	-	116	132	V
			1	*** 2.48354	34.94	Pk	32.4	-22.3	0	45.04	-	-	74	-28.96	350	259	H
			2	*** 2.48426	42.17	Pk	32.4	-22.3	0	52.27	-	-	74	-21.73	350	259	H
			3	*** 2.48354	23.02	ADV	32.4	-22.3	.19	33.31	54	-20.69	-	-	350	259	H
			4	** 2.56037	24.13	ADV	32.5	-22	.19	34.82	54	-19.18	-	-	350	259	H
		2472	1	*** 2.48354	34.36	Pk	32.4	-22.3	0	44.46	-	-	74	-29.54	114	124	V
			2	*** 2.49069	37.7	Pk	32.4	-22.3	0	47.8	-	-	74	-26.2	114	124	V
			3	*** 2.48354	23.13	ADV	32.4	-22.3	.19	33.42	54	-20.58	-	-	114	124	V
			4	** 2.55759	24.35	ADV	32.5	-22	.19	35.04	54	-18.96	-	-	114	124	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

Mode	Chain	Fund Freq [MHz]	Marker	Meas Freq. (MHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
802.11b	1		2412	1 *** 2.39	40.79	Pk	32.2	-25.1	0	47.89	-	-	74	-26.11	349	127	H
				2 *** 2.389433	40.63	Pk	32.2	-25	0	47.83	-	-	74	-26.17	349	127	H
				3 *** 2.39	31.75	ADV	32.2	-25.1	.19	39.04	54	-14.96	-	-	349	127	H
				4 *** 2.389958	31.65	ADV	32.2	-25.1	.19	38.94	54	-15.06	-	-	349	127	H
				1 *** 2.39	37.08	Pk	32.2	-25.1	0	44.18	-	-	74	-29.82	135	392	V
				2 *** 2.389905	37.1	Pk	32.2	-25	0	44.3	-	-	74	-29.7	135	392	V
				3 *** 2.39	27.43	ADV	32.2	-25.1	.19	34.72	54	-19.28	-	-	135	392	V
				4 *** 2.389958	27.22	ADV	32.2	-25.1	.19	34.51	54	-19.49	-	-	135	392	V
			2462	1 *** 2.4835	44.03	Pk	32.7	-25.5	0	51.23	-	-	74	-22.77	350	125	H
				2 *** 2.486935	44.69	Pk	32.7	-25.7	0	51.69	-	-	74	-22.31	350	125	H
				3 *** 2.4835	34.68	ADV	32.7	-25.5	.19	42.07	54	-11.93	-	-	350	125	H
				4 *** 2.486832	35.92	ADV	32.7	-25.7	.19	43.11	54	-10.89	-	-	350	125	H
				1 *** 2.4835	38.7	Pk	32.7	-25.5	0	45.9	-	-	74	-28.1	162	384	V
				2 *** 2.486986	39.6	Pk	32.7	-25.7	0	46.6	-	-	74	-27.4	162	384	V
				3 *** 2.4835	27.9	ADV	32.7	-25.5	.19	35.29	54	-18.71	-	-	162	384	V
				4 *** 2.486832	30.07	ADV	32.7	-25.7	.19	37.26	54	-16.74	-	-	162	384	V
			2467	1 *** 2.4835	33.32	Pk	32.7	-25.5	0	40.52	-	-	74	-33.48	17	142	H
				2 *** 2.483639	35.98	Pk	32.7	-25.5	0	43.18	-	-	74	-30.82	17	142	H
				3 *** 2.4835	21.75	ADV	32.7	-25.5	.19	29.14	54	-24.86	-	-	17	142	H
				4 *** 2.513818	22.15	ADV	32.9	-25.5	.19	29.74	54	-24.26	-	-	17	142	H
				1 *** 2.4835	32.53	Pk	32.7	-25.5	0	39.73	-	-	74	-34.27	317	358	V
				2 ** 2.504599	34.77	Pk	32.8	-25.7	0	41.87	-	-	74	-32.13	317	358	V
				3 *** 2.4835	21.02	ADV	32.7	-25.5	.19	28.41	54	-25.59	-	-	317	358	V
				4 ** 2.522624	22.87	ADV	32.9	-26.1	.19	29.86	54	-24.14	-	-	317	358	V
			2472	1 *** 2.4835	34.33	Pk	32.7	-25.5	0	41.53	-	-	74	-32.47	359	104	H
				2 *** 2.48575	37.23	Pk	32.7	-25.7	0	44.23	-	-	74	-29.77	359	104	H
				3 *** 2.4835	22.41	ADV	32.7	-25.5	.19	29.8	54	-24.2	-	-	359	104	H
				4 *** 2.485956	27.56	ADV	32.7	-25.7	.19	34.75	54	-19.25	-	-	359	104	H
				1 *** 2.4835	33.02	Pk	32.7	-25.5	0	40.22	-	-	74	-33.78	168	328	V
				2 *** 2.485956	36.73	Pk	32.7	-25.7	0	43.73	-	-	74	-30.27	168	328	V
				3 *** 2.4835	21.35	ADV	32.7	-25.5	.19	28.74	54	-25.26	-	-	168	328	V
				4 *** 2.486162	24.76	ADV	32.7	-25.7	.19	31.95	54	-22.05	-	-	168	328	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

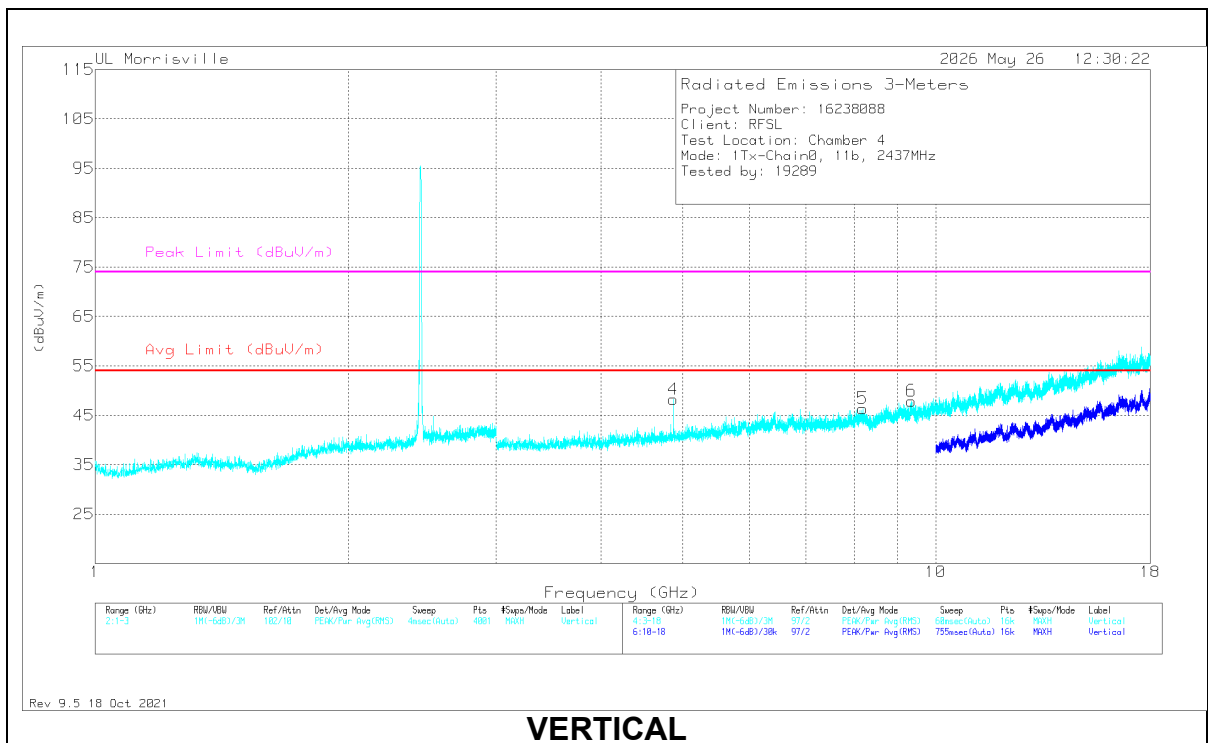
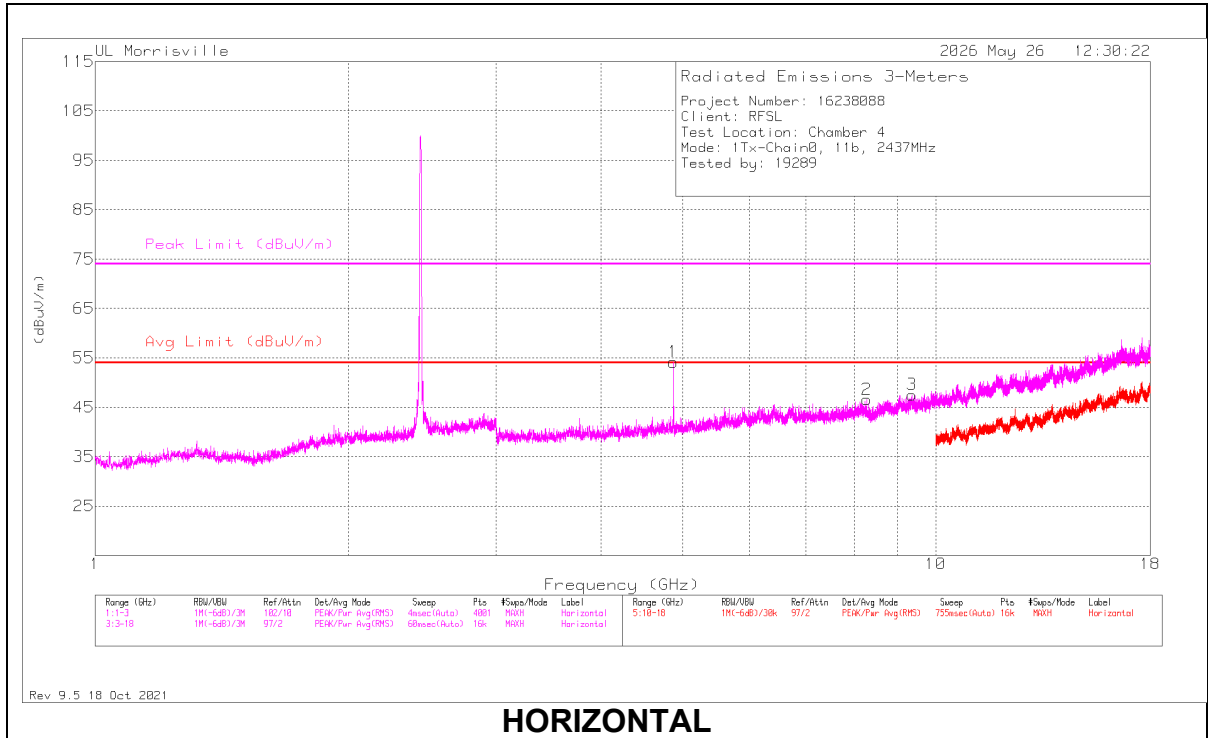
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

11.4.7. RADIATED HARMONICS

REPRESENTATIVE HARMONICS (Chain 0, 802.11b, 2437 MHz)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.87391	50.6	PK2	33.9	-31.1	0	53.4	-	-	74	-20.6	155	145	H
	* ** 4.874	47.75	ADV	33.9	-31.1	.19	50.74	54	-3.26	-	-	155	145	H
2	* ** 8.27531	36.57	Pk	35.8	-25.8	0	46.57	54	-7.43	74	-27.43	0-360	100	H
3	* ** 9.36656	35.04	Pk	36.4	-23.9	0	47.54	54	-6.46	74	-26.46	0-360	100	H
4	* ** 4.87406	45.43	Pk	33.9	-31.1	0	48.23	54	-5.77	74	-25.77	0-360	200	V
5	* ** 8.18813	36.95	Pk	35.8	-26.4	0	46.35	54	-7.65	74	-27.65	0-360	200	V
6	* ** 9.35625	35.09	Pk	36.4	-23.6	0	47.89	54	-6.11	74	-26.11	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

RADIATED HARMONICS TEST DATA

Mode	Chain	Fund Freq [MHz]	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
802.11b	0	2412	1	*** 4.82395	47.7	PK2	33.8	-31.1	0	50.4	-	-	74	-23.6	246	110	H
				*** 4.82393	43.08	ADV	33.8	-31.1	.19	45.97	54	-8.03	-	-	246	110	H
			2	*** 7.62188	37.18	Pk	35.6	-26.5	0	46.28	54	-7.72	74	-27.72	0-360	100	H
			3	*** 9.13594	34.81	Pk	36.3	-24.5	0	46.61	54	-7.39	74	-27.39	0-360	100	H
			4	*** 4.82406	45.63	PK2	33.8	-31.1	0	48.33	-	-	74	-25.67	135	157	V
				*** 4.82403	39.78	ADV	33.8	-31.1	.19	42.67	54	-11.33	-	-	135	157	V
		5	*** 8.1975	36.54	Pk	35.8	-26	0	46.34	54	-7.66	74	-27.66	0-360	200	V	
		6	*** 9.33188	35.79	Pk	36.4	-24.3	0	47.89	54	-6.11	74	-26.11	0-360	200	V	
		2437	1	*** 4.87391	50.6	PK2	33.9	-31.1	0	53.4	-	-	74	-20.6	155	145	H
				*** 4.874	47.75	ADV	33.9	-31.1	.19	50.74	54	-3.26	-	-	155	145	H
			2	*** 8.27531	36.57	Pk	35.8	-25.8	0	46.57	54	-7.43	74	-27.43	0-360	100	H
			3	*** 9.36656	35.04	Pk	36.4	-23.9	0	47.54	54	-6.46	74	-26.46	0-360	100	H
			4	*** 4.87406	45.43	Pk	33.9	-31.1	0	48.23	54	-5.77	74	-25.77	0-360	200	V
			5	*** 8.18813	36.95	Pk	35.8	-26.4	0	46.35	54	-7.65	74	-27.65	0-360	200	V
		6	*** 9.35625	35.09	Pk	36.4	-23.6	0	47.89	54	-6.11	74	-26.11	0-360	200	V	
		2472	1	*** 4.94398	48.88	PK2	34	-30.4	0	52.48	-	-	74	-21.52	334	213	H
				*** 4.94399	45.6	ADV	34	-30.4	.19	49.39	54	-4.61	-	-	334	213	H
			2	*** 8.41781	36.59	Pk	35.8	-25.5	0	46.89	54	-7.11	74	-27.11	0-360	100	H
			3	*** 9.44156	34.97	Pk	36.4	-24.7	0	46.67	54	-7.33	74	-27.33	0-360	100	H
			4	*** 4.94344	39.5	Pk	34	-30.4	0	43.1	54	-10.9	74	-30.9	0-360	200	V
			5	*** 8.41594	36.58	Pk	35.8	-25.5	0	46.88	54	-7.12	74	-27.12	0-360	200	V
	6	*** 9.3525	34.56	Pk	36.4	-23.5	0	47.46	54	-6.54	74	-26.54	0-360	200	V		
	1	2412	1	*** 4.93688	39.2	Pk	34	-30.4	0	42.8	54	-11.2	74	-31.2	0-360	100	H
			2	*** 8.21625	36.22	Pk	35.8	-25.8	0	46.22	54	-7.78	74	-27.78	0-360	100	H
			3	*** 9.42375	35.17	Pk	36.4	-24.6	0	46.97	54	-7.03	74	-27.03	0-360	100	H
			4	*** 4.84875	38.52	Pk	33.9	-30.6	0	41.82	54	-12.18	74	-32.18	0-360	200	V
			5	*** 8.27906	36.53	Pk	35.8	-25.9	0	46.43	54	-7.57	74	-27.57	0-360	200	V
			6	*** 9.40406	34.89	Pk	36.4	-24.3	0	46.99	54	-7.01	74	-27.01	0-360	200	V
		2437	1	*** 5.027813	51.34	Pk	34.1	-44.7	0	40.74	54	-13.26	74	-33.26	0-360	200	H
			2	*** 7.558125	49.66	Pk	35.6	-42.2	0	43.06	54	-10.94	74	-30.94	0-360	200	H
			3	*** 9.40875	50.33	Pk	36.4	-40.5	0	46.23	54	-7.77	74	-27.77	0-360	200	H
			4	*** 4.873125	52	Pk	34.2	-44.6	0	41.6	54	-12.4	74	-32.4	0-360	101	V
			5	*** 8.161875	49.81	Pk	36	-41.9	0	43.91	54	-10.09	74	-30.09	0-360	101	V
			6	*** 9.405938	49.06	Pk	36.4	-40.5	0	44.96	54	-9.04	74	-29.04	0-360	101	V
		2472	5	*** 2.2465	33.58	Pk	32	-23.5	0	42.08	54	-11.92	74	-31.92	0-360	200	V
			2	*** 7.409063	49.5	Pk	35.5	-41.6	0	43.4	54	-10.6	74	-30.6	0-360	200	H
			3	*** 9.106875	48.76	Pk	36	-40.3	0	44.46	54	-9.54	74	-29.54	0-360	200	H
			4	*** 9.403125	48.92	Pk	36.4	-40.7	0	44.62	54	-9.38	74	-29.38	0-360	200	H
			6	*** 8.175938	49.94	Pk	36	-41.8	0	44.14	54	-9.86	74	-29.86	0-360	200	V
			7	*** 9.430313	49.83	Pk	36.4	-41.4	0	44.83	54	-9.17	74	-29.17	0-360	200	V
	1		1.902	38.76	Pk	30.9	-24	0	45.66	-	-	-	-	0-360	101	H	

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

12. SETUP PHOTOS

Please refer to R16238088-EP1c for setup photos

END OF REPORT