

TEST REPORT

Report Number: R16213445-E1

Applicant : Garmin International Inc.
1200 East 151st Street
Olathe, KS 66062-3426, USA

Model : A05419

FCC ID : IPH-05419

IC : 1792A-05419

EUT Description : Extremity Worn Digital Transceiver

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C
ISED RSS-247 ISSUE 4
ISED RSS-GEN ISSUE 5 + A1 + A2

Date Of Issue:
2026-07-07

Prepared by:
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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2026-06-22	Initial Issue	Chandler Stanley
V2	2026-07-07	Updated Antenna Type	Chandler Stanley

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Garmin International Inc.
1200 East 151st Street
Olathe, KS 66062-3426, USA

EUT DESCRIPTION: Extremity Worn Digital Transceiver

MODEL: A05419

SERIAL NUMBER: 631723916, 631723841

SAMPLE RECEIPT DATE: 2026-04-24

DATE TESTED: 2026-05-01 to 2026-06-18

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

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 sample tested, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to ensure 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.

Approved & Released
For UL LLC By:

Prepared By:



Brian Kiewra
Project Engineer
Consumer, Medical and IT Segment
UL LLC



Chandler Stanley
Engineer Project Associate
Consumer, Medical and IT Segment
UL LLC

2. TEST RESULTS SUMMARY

This report contains info provided by the customer 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.

Below is a list of the data/info provided by the customer:

- 1)Antenna gain and type (see section 6.3)
- 2)Worst-case data rates (see section 6.5)

FCC Clause	ISED Clause	Requirement	Result	Comment
See Comment		Duty Cycle	Reporting purposes only	ANSI C63.10 Section 11.6.
-	RSS-GEN 6.7	99% OBW	Reporting purposes only	ANSI C63.10 Section 6.9.3.
15.247 (a) (2)	RSS-247 6.3.1 (a)	6dB BW	Compliant	None
15.247 (b) (3)	RSS-247 6.3.2	Output Power		
See Comment		Average power	Reporting purposes only	Per ANSI C63.10, Section 11.9.2.3.2.
15.247 (e)	RSS-247 6.3.1 (b)	PSD	Compliant	None
15.247 (d)	RSS-247 6.6	Conducted Spurious Emissions		
15.209, 15.205	RSS-GEN 8.9, 8.10	Radiated Emissions		
15.207	RSS-Gen 8.8	AC Mains Conducted Emissions		

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC 47 CFR Part 2, FCC 47 CFR Part 15, FCC ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024, ISED ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to 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.

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	UNCERTAINTY
Radio Frequency (Spectrum Analyzer)	141.2 Hz
Occupied Channel Bandwidth	1.22%
RF output power, conducted	1.3 dB (PK) 0.45 dB (AV)
Power Spectral Density, conducted	2.47 dB
Unwanted Emissions, conducted	1.94 dB
All emissions, radiated	6.01 dB
Conducted Emissions (0.150-30MHz) - LISN	3.40 dB
Temperature	0.57°C
Humidity	3.39%
DC Supply voltages	1.70%
Time	3.39%

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)
 $36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN
Insertion Loss.
 $36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is an extremity worn digital transceiver with BT, BLE, ANT/ANT+, 802.11b/g/n 2.4GHz WLAN, NFC, and Global Navigation Satellite System (GNSS) receiver. This report covers full testing on the ANT/ANT+, BLE, and 2.4GHz WLAN radios.

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2402 - 2480	ANT/ANT+	4.52	2.83
2402 - 2480	BLE 1Mbps	4.42	2.77
2402 - 2480	BLE 2Mbps	4.52	2.83
2412 - 2472	802.11b	18.69	73.96
2412 - 2472	802.11g	21.63	145.55
2412 - 2472	802.11n HT20	21.61	144.88

6.3. DESCRIPTION OF AVAILABLE ANTENNAS

The antenna's gain and type, as provided by the manufacturer are as follows:
The radio utilizes an antenna with the following type and maximum gain:

Type	Frequency Range (MHz)	Maximum 3D Gain (dBi)
Slot	2402-2480 MHz	-1.62

6.4. SOFTWARE AND FIRMWARE

SW Version: 4.16

6.5. WORST-CASE CONFIGURATION AND MODE

Radiated emissions below 1GHz, above 18GHz, and power line conducted emissions were performed with the EUT set to transmit at the channel with highest PSD as worst-case scenario. All radiated emissions below 30 MHz were more than 20 dB below the limit.

Apart from conducted power measurements for 2.4 WLAN, all other conducted measurements were taken at the mid channel power setting (highest) for all channels.

Power is not distributed equally among all channels and therefore radiated spurious emissions between 1GHz and 18GHz were performed on mid channel and the highest power low and high channel. Band edge scans were performed on all inner/outer channels up to mid channel power.

The EUT was investigated in three orthogonal axes, X, Y, and Z. The worst-case orientation was determined to be the Z-orientation. Therefore, all testing was performed with the EUT in the Z-orientation.

6.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Power Supply	PHIHONG	AQ27A-59CFA	N/A	N/A

I/O CABLES

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

TEST SETUP

EUT was configured using its own built-in push buttons prior to testing. For final emissions testing, the EUT was connected to AC Mains.

SETUP DIAGRAMS

Please refer to R16213445-EP1 for setup diagrams

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment were utilized for the tests documented in this report:

Test Equipment Used - Wireless Conducted Measurement Equipment

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
Conducted Room 1					
90416	Spectrum Analyzer	Keysight Technologies	N9030A	2025-07-31	2026-07-31
179892	Environmental Meter	Fisher Scientific	15-077-963	2025-08-05	2026-08-05
SOFTEMI	Antenna Port Software	UL	Version 2024.2.23	NA	NA
Conducted Room 3					
90411	Spectrum Analyzer	Keysight Technologies	N9030A	2025-07-30	2026-07-30
211055	Real-Time Peak Power Sensor 50MHz to 8GHz	Boonton	RTP5000	2025-07-30	2026-07-30
211058	Real-Time Peak Power Sensor 50MHz to 8GHz	Boonton	RTP5000	2025-07-30	2026-07-30
245766	Environmental Meter	Control Company	06-662-4	2026-03-10	2027-03-10
SOFTEMI	Antenna Port Software	UL	Version 2024.2.23	NA	NA
SOFTEMI	Antenna Port Software	UL	Version 2022.8.16	NA	NA
Power Software	Boonton Power Analyzer	Boonton	Version 3.0.13.0	NA	NA
Cables & Attenuators					
CBL093	Micro-Coax UTiFLEX Cable Assembly, Low Loss,40Ghz	Carlisle Interconnect Technologies	UFA147A-2-0360-200200	2025-09-05	2026-09-05
Pad IV	SMA Coaxial 10dB Attenuator	CentricRF	C18S2-10	2025-10-12	2026-10-12

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
18-26.5 GHz					
204704	Horn Antenna, 18-26.5GHz	Com Power	AH-826	2025-07-15	2027-07-15
Receiver & Software					
206459	Spectrum Analyzer	Rohde & Schwarz	FSW50	2025-09-15	2026-09-15
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

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

Equip. ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
0.009-30MHz					
65682	Active Loop Antenna	ETS-Lindgren	6502	2025-10-14	2027-10-14
30-1000 MHz					
90629	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2026-03-16	2028-03-16
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					
91974	Gain-loss string: 0.009-30MHz	Various	Various	2025-05-31	2026-05-31
91976	Gain-loss string: 25-1000MHz	Various	Various	2025-05-31	2026-05-31
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

Note: All equipment was in calibration at the time of tests.

Test Equipment Used - Line-Conducted Emissions – Voltage (Morrisville – Conducted 1)

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
CBL087	Coax cable, RG223, N-male to BNC-male, 20-ft.	Pasternack	PE3W06143-240	2026-05-11	2027-05-11
179892	Environmental Meter	Fisher Scientific	15-077-963	2025-08-05	2026-08-06
80391	LISN, 50-ohm/50-uH, 2-conductor, 25A	Fischer Custom Com.	FCC-LISN-50-25-2-01-550V	2025-08-01	2026-08-01
75141	EMI Test Receiver 9kHz-7GHz	Rohde & Schwarz	ESCI 7	2025-07-30	2026-07-30
52859	Transient Limiter, 0.009-100MHz	Electro-Metrics	EM-7600	2026-05-11	2027-05-11
PS214	AC Power Source	Elgar	CW2501M	NA	NA
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
Miscellaneous (if needed)					
84681	ANSI C63.4 1m extension cable.	UL	Per Annex B of ANSI C63.4	2026-05-11	2027-05-11

Note: All equipment was in calibration at the time of tests.

8. MEASUREMENT METHOD

On Time and Duty Cycle: ANSI C63.10-2020 Section 11.6

6 dB BW: ANSI C63.10-2020 Subclause -11.8.1

Occupied BW (99%): ANSI C63.10-2020 Section 6.9.3

Output Power: ANSI C63.10-2020 Subclause -11.9.1.2 Method PKPM1 Peak-reading power meter
ANSI C63.10-2020 Subclause -11.9.2.3.2 Method AVGPM-G (Measurement using
a gated RF average-reading power meter)

PSD: ANSI C63.10-2020 Subclause -11.10.2 Method PKPSD (peak PSD)

Conducted emissions non-restricted frequency bands: ANSI C63.10-2020 Subclause -11.11 and 6.10.4

Radiated emissions restricted frequency bands: ANSI C63.10-2020 Subclause -11.12.1 and 6.10.5, 6.3 to 6.6.

AC Power-line conducted emissions: ANSI C63.10-2020, Section 6.2.

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

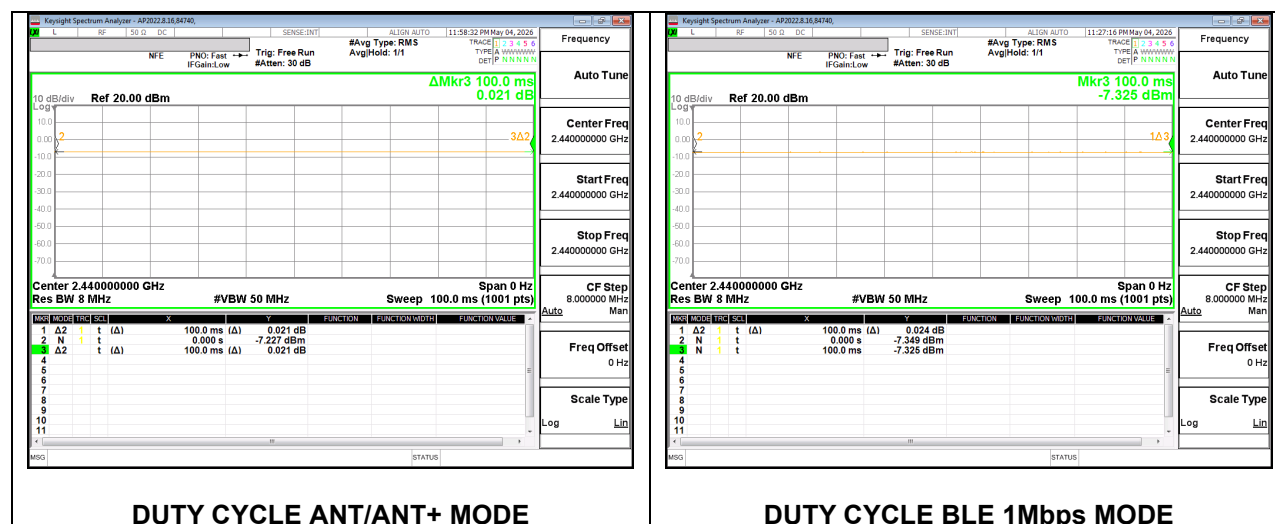
PROCEDURE

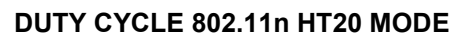
KDB 558074 Zero-Span Spectrum Analyzer Method.

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)
ANT/ANT+	100.000	100.000	1.000	100.00	0.00	0.00
BLE 1Mbps	100.000	100.000	1.000	100.00	0.00	0.00
BLE 2Mbps	100.000	100.000	1.000	100.00	0.00	0.00
802.11b	12.225	12.525	0.976	97.60	0.21	0.11
802.11g	2.030	2.130	0.953	95.30	0.42	0.21
802.11n HT20	1.890	2.045	0.924	92.40	0.69	0.34

Tester ID: 84740

Test Location: 2026-05-01 and 2026-05-04





9.2. 6dB/99% BANDWIDTH

LIMITS

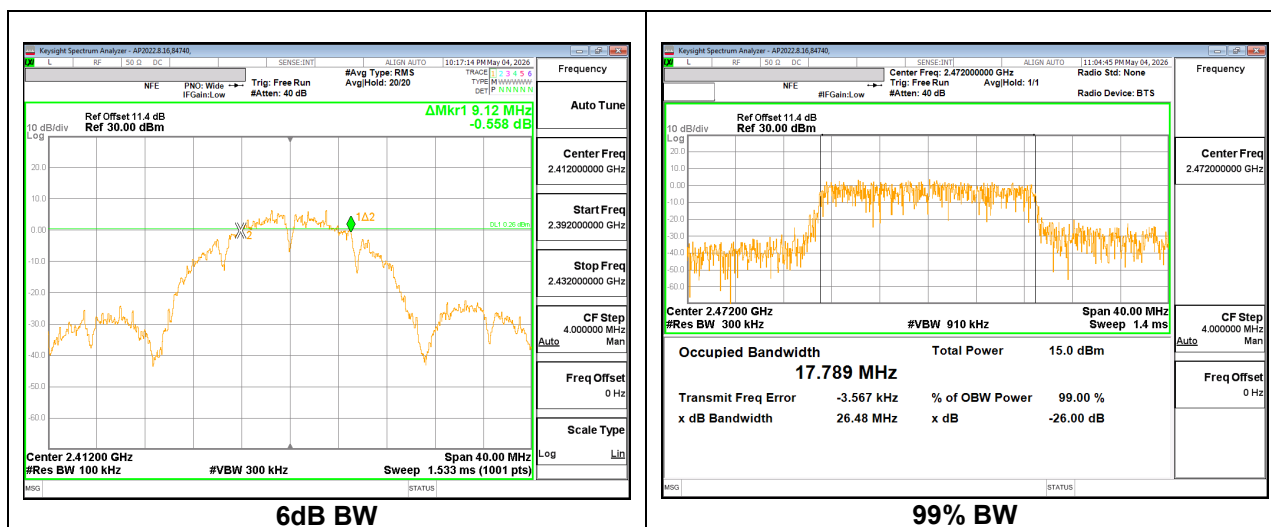
6dB BW:

FCC §15.247 (a) (2)
RSS-247 5.2 (a)

The minimum 6 dB bandwidth shall be at least 500 kHz.

99% BW:

None; for reporting purposes only.



Band	Center Frequency [MHz]	6dB BW [MHz]	Minimum 6dB BW [MHz]	99% BW [MHz]	Minimum 99% BW [MHz]
ANT/ANT+	2402	.810	.882	1.283	1.318
	2440	.882		1.318	
	2480	.819		1.287	
BLE 1Mbps	2402	.786	.888	1.336	1.336
	2440	.786		1.300	
	2480	.813		1.302	
BLE 2Mbps	2404	1.362	1.746	2.453	2.557
	2440	1.614		2.557	
	2478	1.566		2.542	
802.11b	2412	9.12	9.96	15.682	15.700
	2437	8.96		15.510	
	2472	9.96		15.700	
802.11g	2412	16.52	16.52	16.601	16.602
	2437	16.48		16.559	
	2472	16.52		16.602	
802.11n HT20	2412	17.72	17.72	17.634	17.789
	2437	17.64		17.513	
	2472	17.68		17.789	

9.3. OUTPUT POWER

LIMITS

FCC §15.247 (b) (3)
RSS-247 5.4 (d)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Mode	Directional Gain [dBi]	FCC Power Limit [dBm]
ANT/ANT+/BLE/WLAN	-1.62	30.00

TEST PROCEDURE

The transmitter output is connected to a power meter.

For 2.4 WLAN, the cable assembly insertion loss of 11.40 dB (including 10.09 dB pad and 1.31 dB cable) was entered as an offset in the power meter.

For BLE and ANT/ANT+, the cable assembly insertion loss of 0.69 dB (cable) was entered as an offset in the power meter.

The power output was measured on the EUT antenna port using SMA cable and attenuator connected to a power meter via wideband power sensor. Peak output power was read directly from power meter.

Test Engineer:	84740, 104463/85502, 85502
Test Date:	2026-05-04, 2026-05-13, 2026-06-17, 2026-06-18

Mode	Freq. [MHz]	Output Power [dBm]	Maximum Power Limit [dBm]	Margin [dBm]
ANT/ANT+	2402	1.26	30.00	-28.74
	2404	4.45	30.00	-25.55
	2440	4.43	30.00	-25.57
	2478	4.52	30.00	-25.48
	2480	1.13	30.00	-28.87
BLE 1Mbps	2402	1.21	30.00	-28.79
	2404	4.29	30.00	-25.71
	2440	4.42	30.00	-25.58
	2476	4.32	30.00	-25.68
	2478	0.64	30.00	-29.36
	2480	1.07	30.00	-28.93
BLE 2Mbps	2404	4.43	30.00	-25.57
	2440	4.27	30.00	-25.73
	2476	4.52	30.00	-25.48
	2478	0.65	30.00	-29.35
802.11b	2412	18.39	30.00	-11.61
	2437	18.61	30.00	-11.39
	2442	18.69	30.00	-11.31
	2447	16.88	30.00	-13.12
	2452	17.50	30.00	-12.50
	2457	13.99	30.00	-16.01
	2462	14.07	30.00	-15.93
	2467	10.79	30.00	-19.21
802.11g	2412	21.40	30.00	-8.60
	2437	21.53	30.00	-8.47
	2442	21.63	30.00	-8.37
	2447	21.16	30.00	-8.84
	2452	20.60	30.00	-9.40
	2457	20.45	30.00	-9.55
	2462	18.18	30.00	-11.82
	2467	15.01	30.00	-14.99
802.11n HT20	2412	20.99	30.00	-9.01
	2437	21.42	30.00	-8.58
	2447	21.61	30.00	-8.39
	2452	20.63	30.00	-9.37
	2457	19.34	30.00	-10.66
	2462	18.74	30.00	-11.26
	2467	18.01	30.00	-11.99
	2472	16.85	30.00	-13.15

9.4. AVERAGE POWER

LIMITS

None; for reporting purposes only

TEST PROCEDURE

The transmitter output is connected to a power meter.

For 2.4 WLAN, the cable assembly insertion loss of 11.40 dB (including 10.09 dB pad and 1.31 dB cable) was entered as an offset in the power meter.

For BLE and ANT/ANT+, the cable assembly insertion loss of 0.69 dB (cable) was entered as an offset in the power meter.

The power output was measured on the EUT antenna port using SMA cable with 10dB attenuator connected to a power meter via wideband power sensor. Gated average output power was read directly from power meter.

Test Engineer:	84740, 104463/85502, 85502
Test Date:	2026-05-04, 2026-05-13, 2026-06-17, 2026-06-18

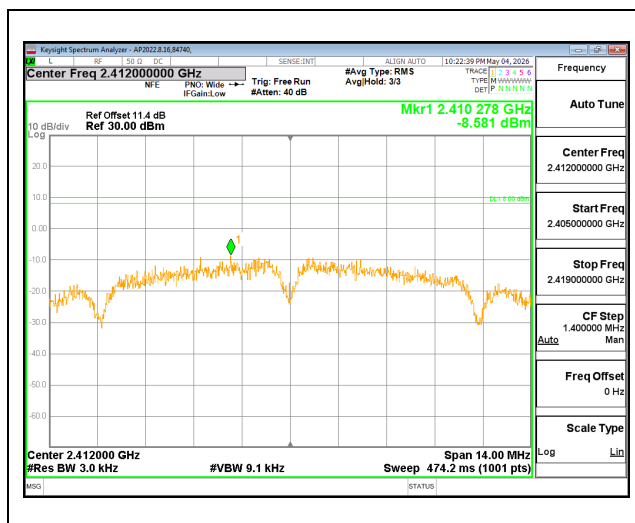
Mode	Freq. [MHz]	Average Power [dBm]
ANT/ANT+	2402	0.92
	2404	4.17
	2440	4.16
	2478	4.24
	2480	0.76
BLE 1Mbps	2402	0.88
	2404	4.15
	2440	4.14
	2476	4.05
	2478	0.29
BLE 2Mbps	2480	0.73
	2404	4.14
	2440	3.97
	2476	4.22
802.11b	2478	0.30
	2412	16.37
	2437	16.63
	2442	16.71
	2447	15.56
	2452	15.48
	2457	11.73
	2462	11.85
802.11g	2467	8.42
	2472	8.76
	2412	16.97
	2437	16.18
	2442	16.62
	2447	15.68
	2452	14.29
	2457	14.32
802.11n HT20	2462	11.37
	2467	8.95
	2472	9.08
	2412	15.60
	2437	15.67
	2447	15.47
	2452	14.25
	2457	12.29
	2462	10.92
	2467	10.01
	2472	9.41

9.5. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)
RSS-247 (5.2) (b)

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.



Mode	Freq. [MHz]	PSD [dBm]	PSD Limit [dBm]	Margin [dBm]
ANT/ANT+	2402	-16.66	8.00	-24.66
	2404	-11.82	8.00	-19.82
	2440	-12.47	8.00	-20.47
	2478	-11.95	8.00	-19.95
	2480	-16.63	8.00	-24.63
BLE 1Mbps	2402	-17.97	8.00	-25.97
	2404	-12.26	8.00	-20.26
	2440	-13.56	8.00	-21.56
	2476	-13.49	8.00	-21.49
	2478	-17.03	8.00	-25.03
	2480	-16.67	8.00	-24.67
BLE 2Mbps	2404	-12.91	8.00	-20.91
	2440	-14.30	8.00	-22.30
	2476	-14.05	8.00	-22.05
	2478	-17.60	8.00	-25.60
802.11b	2412	-8.58	8.00	-16.58
	2437	-9.96	8.00	-17.96
	2472	-8.81	8.00	-16.81
802.11g	2412	-10.03	8.00	-18.03
	2437	-10.62	8.00	-18.62
	2472	-10.23	8.00	-18.23
802.11n HT20	2437	-10.42	8.00	-18.42
	2437	-11.55	8.00	-19.55
	2472	-11.85	8.00	-19.85

9.6. CONDUCTED SPURIOUS EMISSIONS

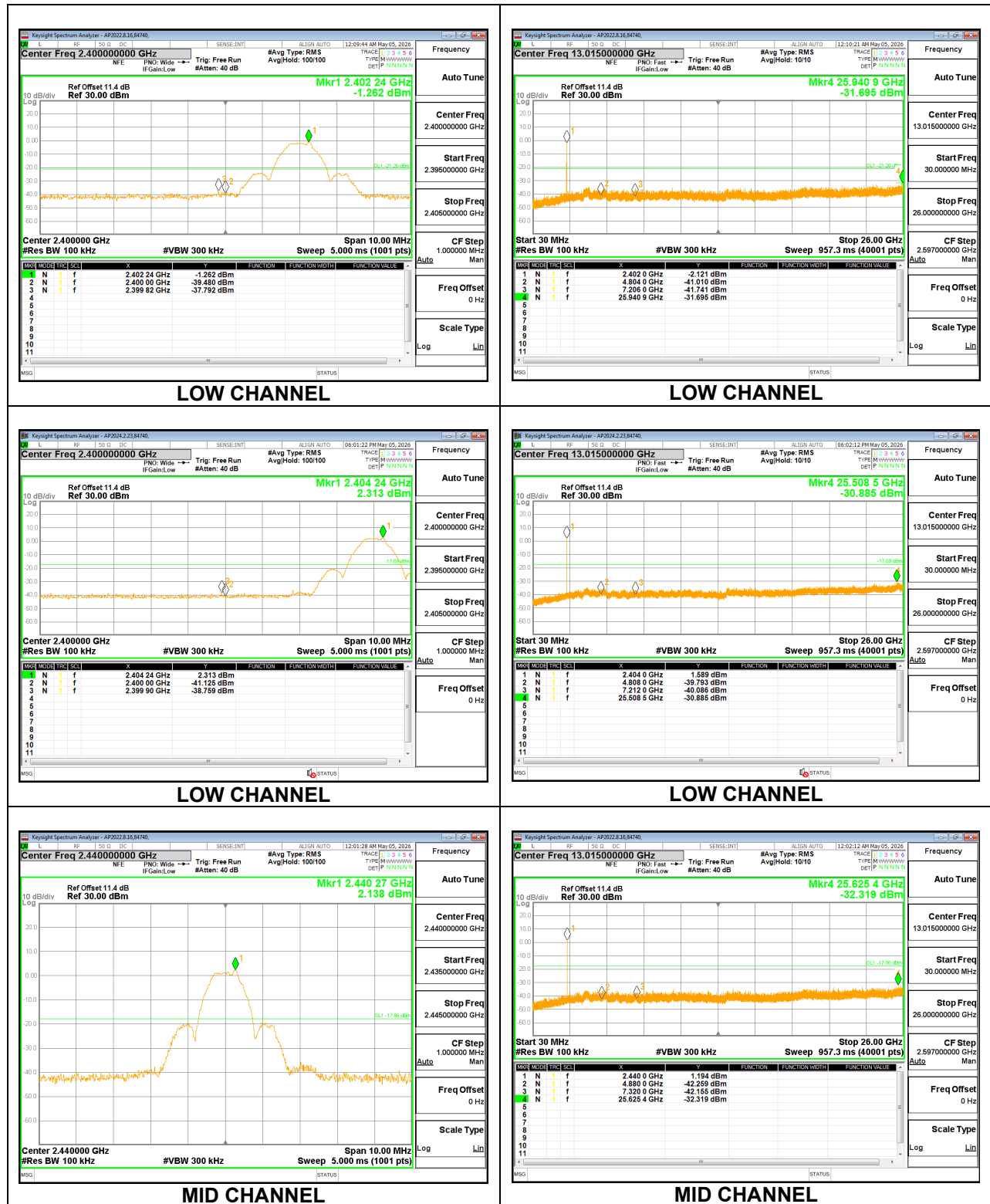
LIMITS

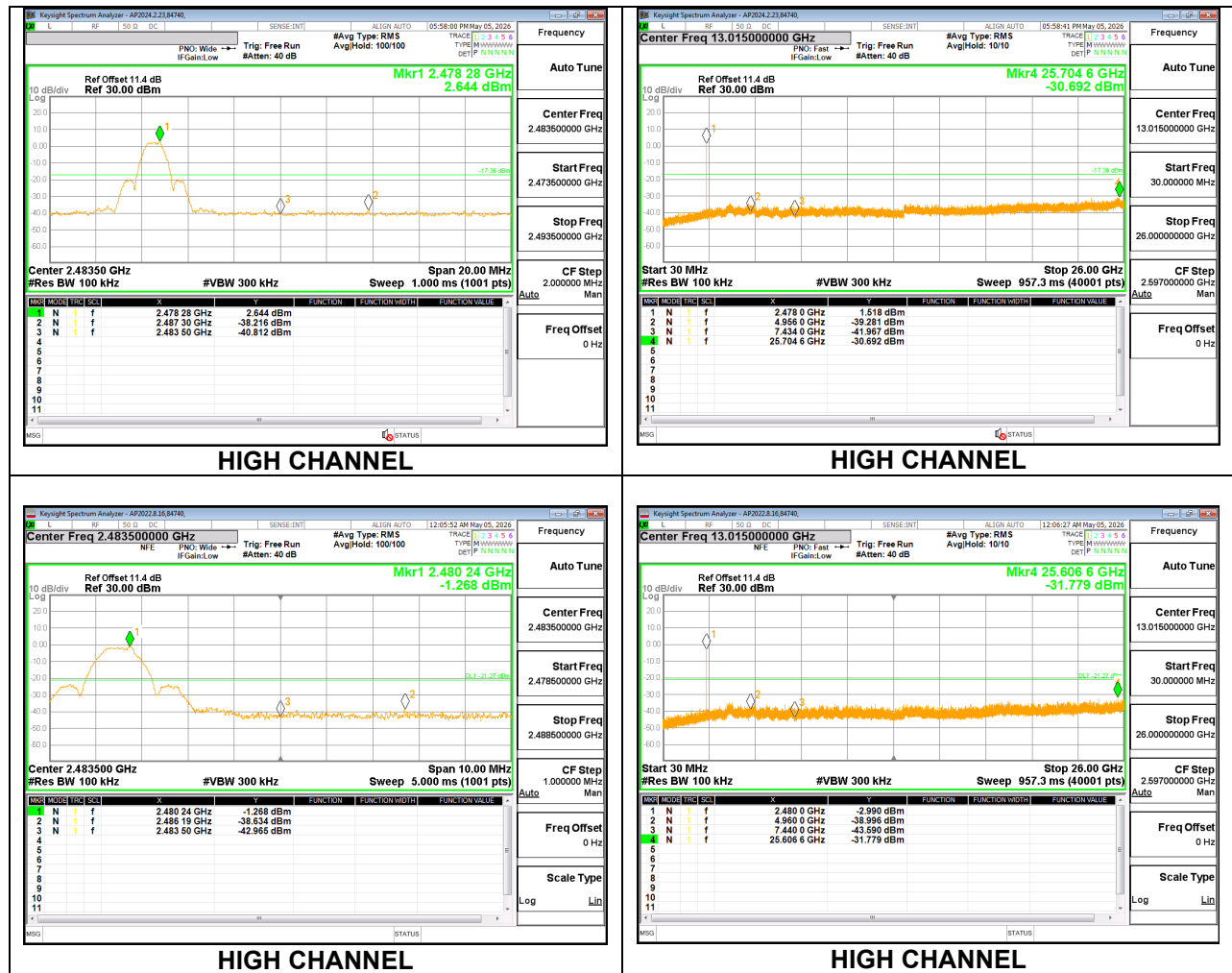
FCC §15.247 (d)
RSS-247 5.5

Output power was measured based on the use of peak measurement; therefore, the required attenuation is -20 dBc.

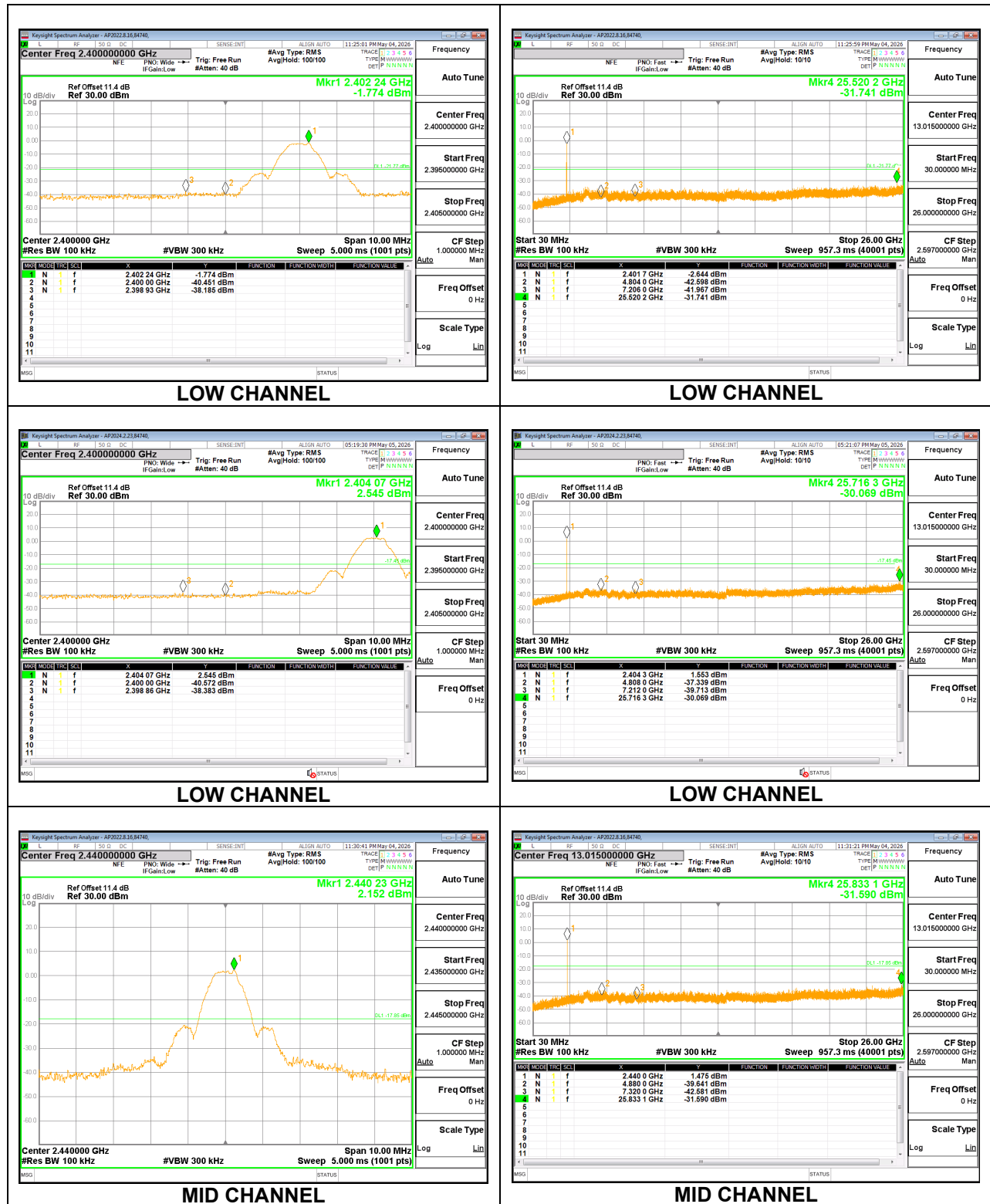
RESULTS

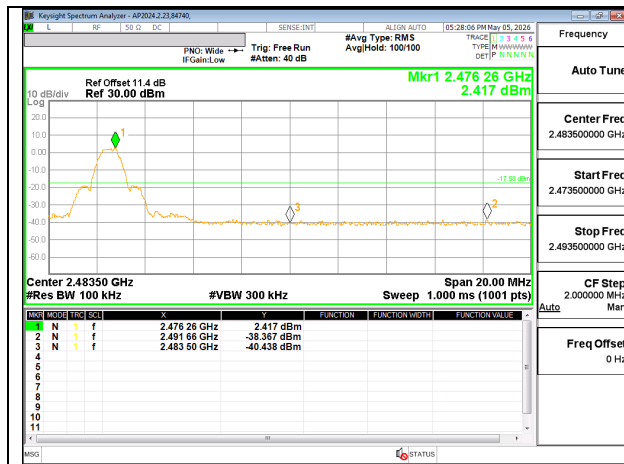
9.6.1. ANT/ANT+ MODE



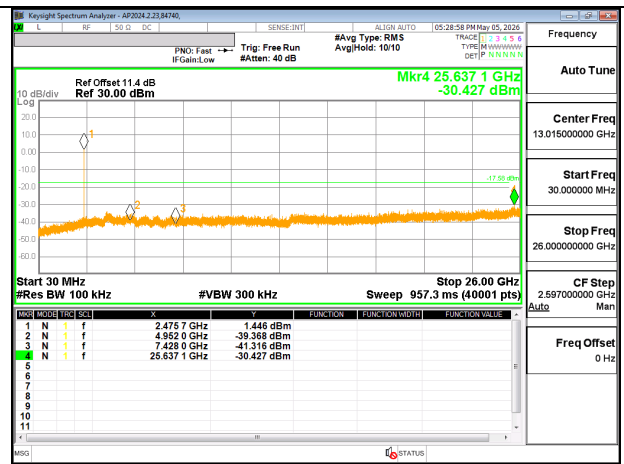


9.6.2. BLE 1Mbps MODE

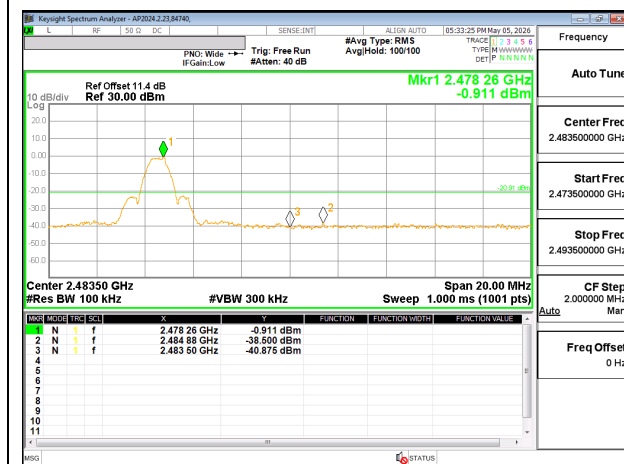




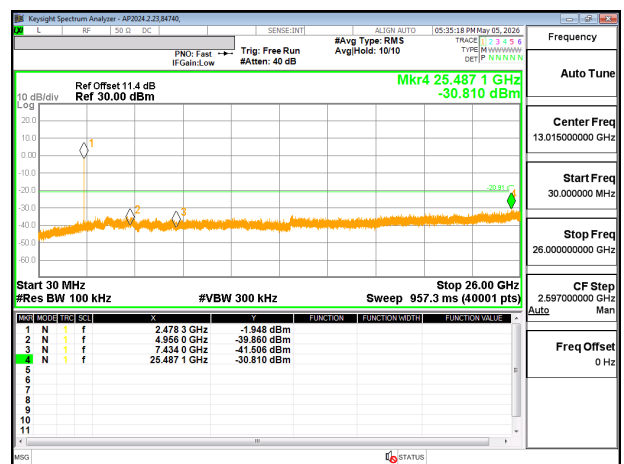
HIGH CHANNEL



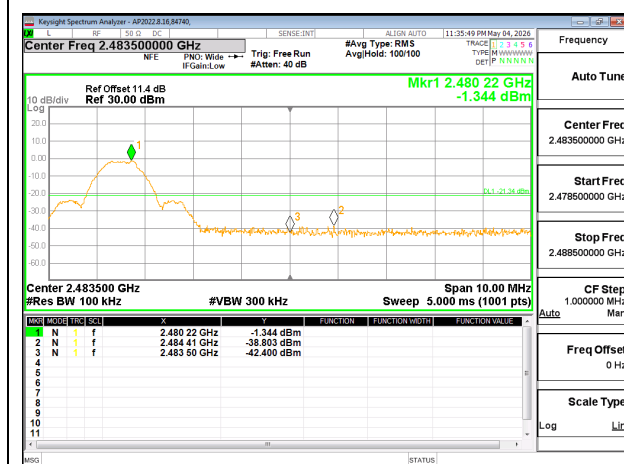
HIGH CHANNEL



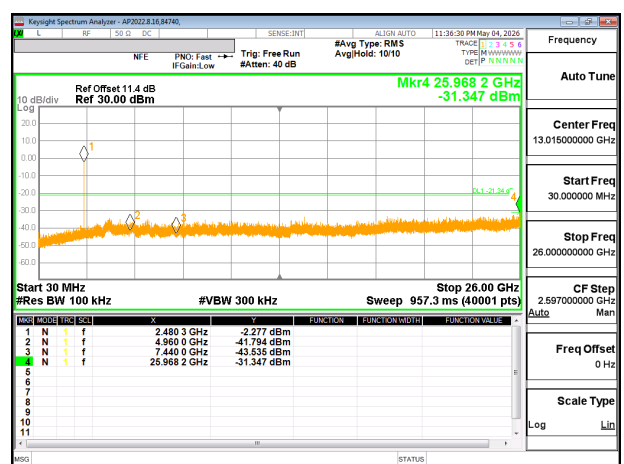
HIGH CHANNEL



HIGH CHANNEL



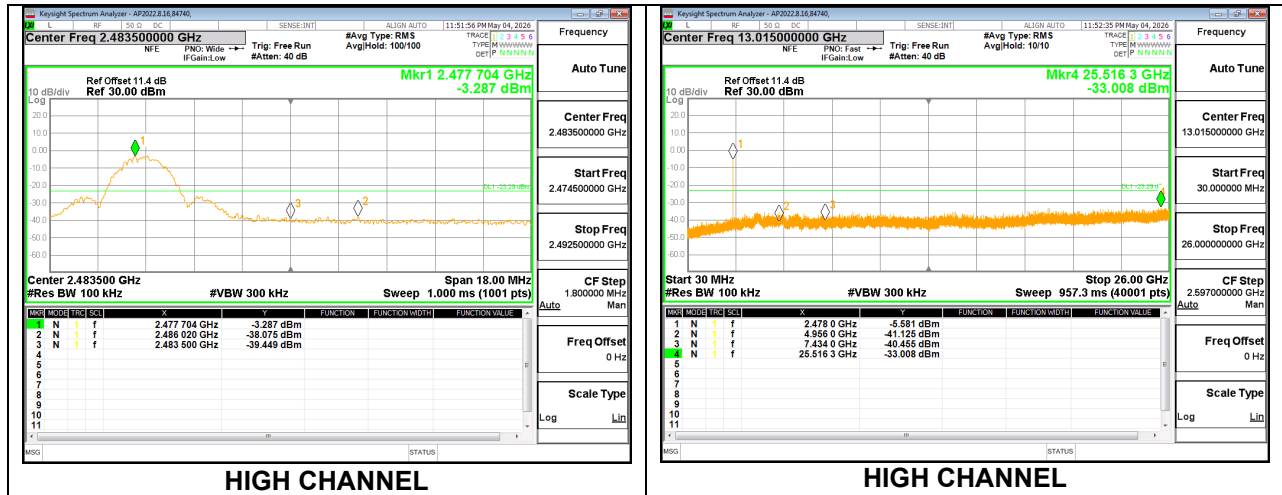
HIGH CHANNEL



HIGH CHANNEL

9.6.3. BLE 2Mbps MODE

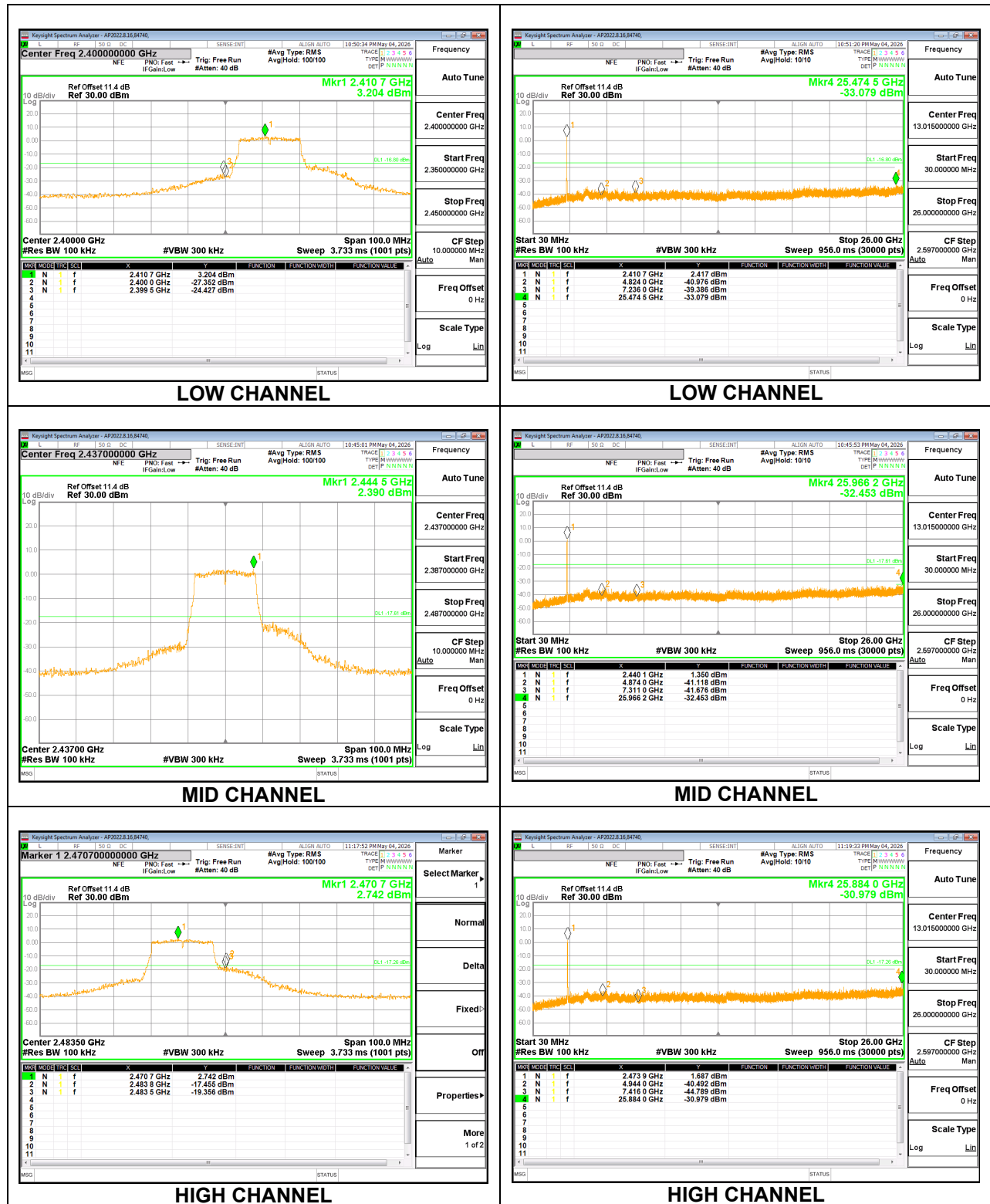




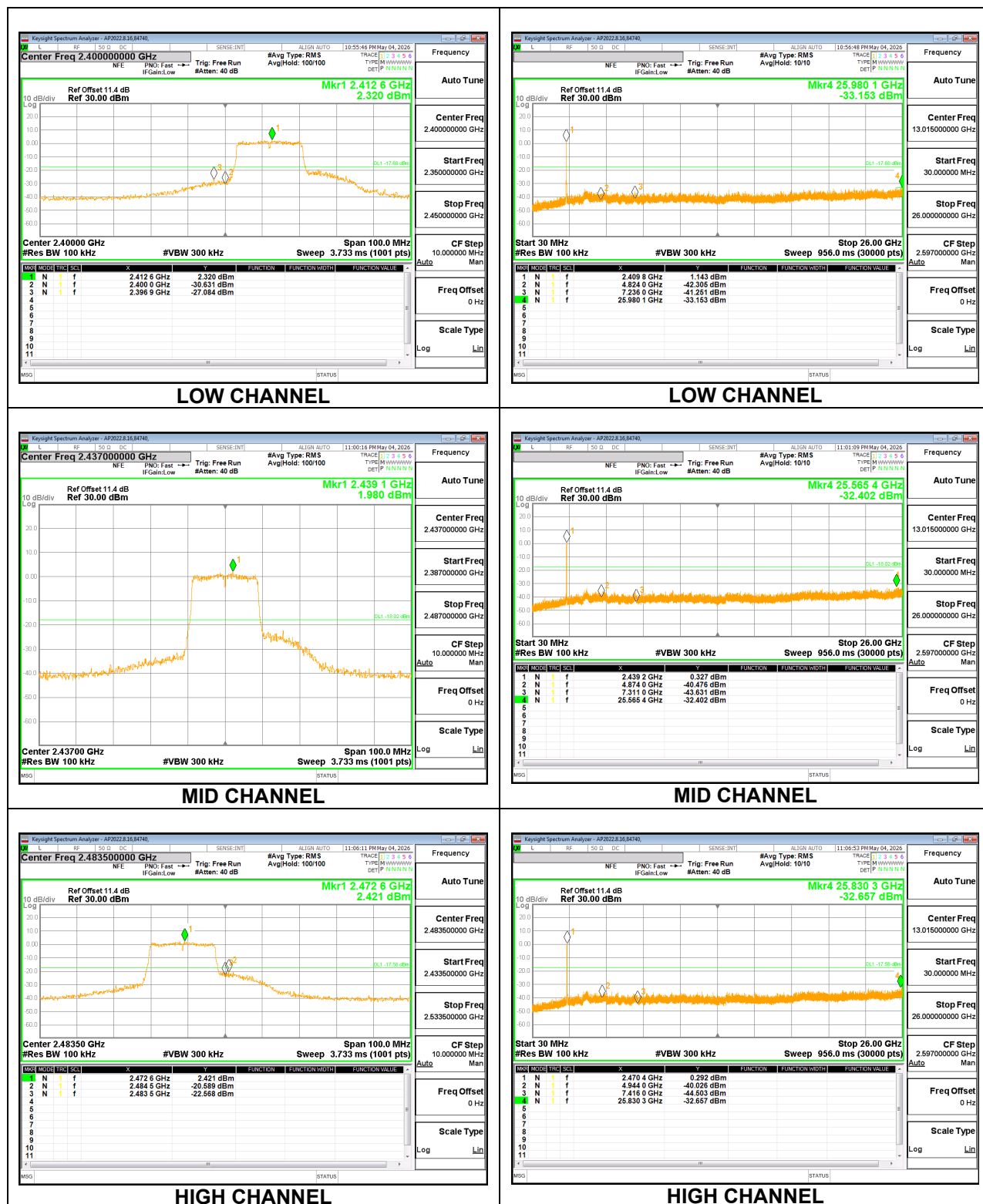
9.6.4. 802.11b MODE



9.6.5. 802.11g MODE



9.6.6. 802.11n HT20 MODE



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

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

IC RSS-GEN Clause 8.9 and 8.10

Frequency Range (kHz)	Field Strength Limit (uA/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	6.37/F(kHz) @ 300 m	-
0.490-1.705	63.7/F(kHz) @ 30 m	-
1.705 - 30	0.08 @ 30m	-
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3MHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for voltage average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

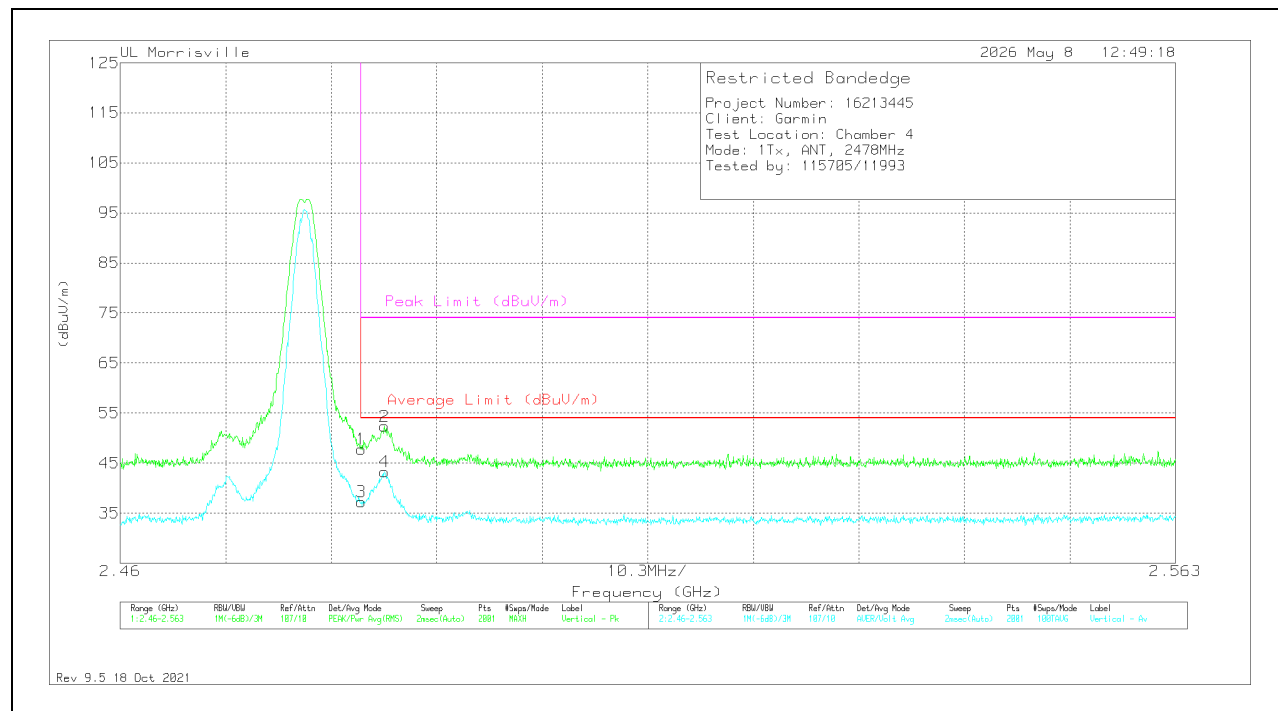
KDB 414788 Open Field Site (OFS) and Chamber Correlation Justification

OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. ANT/ANT+ BANDEDGE (WORST-CASE: 2478 MHz)

VERTICAL RESULT



Marker	Meas Freq. (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB)	Gain/Loss (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	37.67	Pk	32.4	-22.3	47.77	-	-	74	-26.23	343	123	V
2	* ** 2.4858	42.24	Pk	32.4	-22.3	52.34	-	-	74	-21.66	343	123	V
3	* ** 2.48354	27.2	ADV	32.4	-22.3	37.3	54	-16.7	-	-	343	123	V
4	* ** 2.4858	33.13	ADV	32.4	-22.3	43.23	54	-10.77	-	-	343	123	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

BANDEGE TEST DATA

Fund Freq [MHz]	Meas Freq. (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2402	*** 2.38996	34.26	Pk	31.9	-22.4	43.76	-	-	74	-30.24	200	140	H
	*** 2.35662	37.45	Pk	31.9	-22.5	46.85	-	-	74	-27.15	200	140	H
	*** 2.38996	23.57	ADV	31.9	-22.4	33.07	54	-20.93	-	-	200	140	H
	*** 2.3573	24.36	ADV	31.9	-22.5	33.76	54	-20.24	-	-	200	140	H
	*** 2.38996	34.77	Pk	31.9	-22.4	44.27	-	-	74	-29.73	331	139	V
	*** 2.31903	37.07	Pk	31.7	-22.7	46.07	-	-	74	-27.93	331	139	V
	*** 2.38996	22.87	ADV	31.9	-22.4	32.37	54	-21.63	-	-	331	139	V
2404	*** 2.32486	24.68	ADV	31.7	-22.7	33.68	54	-20.32	-	-	331	139	V
	*** 2.38996	35.5	Pk	31.9	-22.4	45	-	-	74	-29	225	103	H
	*** 2.32586	36.9	Pk	31.8	-22.7	46	-	-	74	-28	225	103	H
	*** 2.38996	23.01	ADV	31.9	-22.4	32.51	54	-21.49	-	-	225	103	H
	*** 2.31525	24.71	ADV	31.7	-22.6	33.81	54	-20.19	-	-	225	103	H
	*** 2.38996	34.41	Pk	31.9	-22.4	43.91	-	-	74	-30.09	334	154	V
	*** 2.35274	36.92	Pk	31.9	-22.5	46.32	-	-	74	-27.68	334	154	V
2478	*** 2.38996	23.61	ADV	31.9	-22.4	33.11	54	-20.89	-	-	334	154	V
	*** 2.37867	24.39	ADV	32	-22.5	33.89	54	-20.11	-	-	334	154	V
	*** 2.48354	34.66	Pk	32.4	-22.3	44.76	-	-	74	-29.24	358	132	H
	*** 2.48621	37.21	Pk	32.4	-22.3	47.31	-	-	74	-26.69	358	132	H
	*** 2.48354	24.1	ADV	32.4	-22.3	34.2	54	-19.8	-	-	358	132	H
	*** 2.48596	26.74	ADV	32.4	-22.3	36.84	54	-17.16	-	-	358	132	H
	*** 2.48354	37.67	Pk	32.4	-22.3	47.77	-	-	74	-26.23	343	123	V
2480	*** 2.4858	42.24	Pk	32.4	-22.3	52.34	-	-	74	-21.66	343	123	V
	*** 2.48354	27.2	ADV	32.4	-22.3	37.3	54	-16.7	-	-	343	123	V
	*** 2.4858	33.13	ADV	32.4	-22.3	43.23	54	-10.77	-	-	343	123	V
	*** 2.48354	37.79	Pk	32.4	-22.3	47.89	-	-	74	-26.11	28	110	H
	*** 2.48426	39.14	Pk	32.4	-22.3	49.24	-	-	74	-24.76	28	110	H
	*** 2.48354	26.25	ADV	32.4	-22.3	36.35	54	-17.65	-	-	28	110	H
	*** 2.4839	26.82	ADV	32.4	-22.3	36.92	54	-17.08	-	-	28	110	H
2480	*** 2.48354	40.9	Pk	32.4	-22.3	51	-	-	74	-23	343	126	V
	*** 2.48364	41.81	Pk	32.4	-22.3	51.91	-	-	74	-22.09	343	126	V
	*** 2.48354	30.34	ADV	32.4	-22.3	40.44	54	-13.56	-	-	343	126	V
	*** 2.48364	31.1	ADV	32.4	-22.3	41.2	54	-12.8	-	-	343	126	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

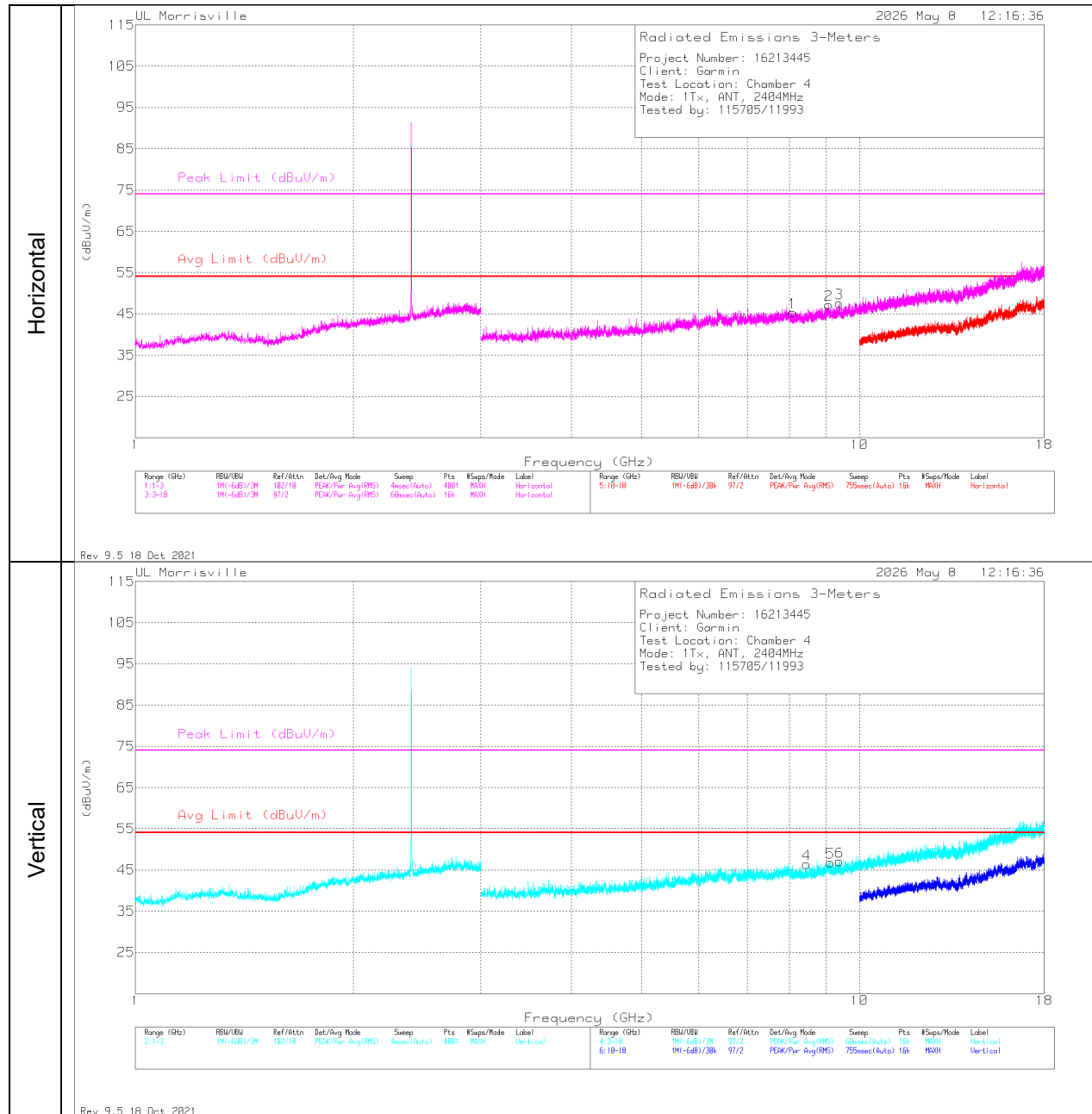
ADV - Linear Voltage Average

Tested By: 115705/11993

Test Dates: 2026-05-08

Test Locations: Chamber 4

HARMONICS AND SPURIOUS (WORST-CASE: 2404 MHz)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB)	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	*** 8.08313	36.03	Pk	35.8	-26.5	45.33	54	-8.67	74	-28.67	0-360	100	H
2	*** 9.07969	34.48	Pk	36.3	-23.6	47.18	54	-6.82	74	-26.82	0-360	100	H
3	*** 9.3825	35.21	Pk	36.4	-24	47.61	54	-6.39	74	-26.39	0-360	100	H
4	*** 8.45156	36.11	Pk	35.7	-25.4	46.41	54	-7.59	74	-27.59	0-360	200	V
5	*** 9.11625	34.7	Pk	36.3	-24.2	46.8	54	-7.2	74	-27.2	0-360	200	V
6	*** 9.38719	34.81	Pk	36.4	-24.2	47.01	54	-6.99	74	-26.99	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

HARMONICS AND SPURIOUS TEST DATA

Freq (MHz)	Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (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
2404	1	* ** 8.08313	36.03	Pk	35.8	-26.5	45.33	54	-8.67	74	-28.67	0-360	100	H
	2	* ** 9.07969	34.48	Pk	36.3	-23.6	47.18	54	-6.82	74	-26.82	0-360	100	H
	3	* ** 9.3825	35.21	Pk	36.4	-24	47.61	54	-6.39	74	-26.39	0-360	100	H
	4	* ** 8.45156	36.11	Pk	35.7	-25.4	46.41	54	-7.59	74	-27.59	0-360	200	V
	5	* ** 9.11625	34.7	Pk	36.3	-24.2	46.8	54	-7.2	74	-27.2	0-360	200	V
	6	* ** 9.38719	34.81	Pk	36.4	-24.2	47.01	54	-6.99	74	-26.99	0-360	200	V
2440	1	* ** 7.31906	38.01	Pk	35.7	-26.8	46.91	54	-7.09	74	-27.09	0-360	100	H
	2	* ** 9.00281	35.62	Pk	36.2	-24.5	47.32	54	-6.68	74	-26.68	0-360	100	H
	3	* ** 9.11953	35.15	Pk	36.3	-24.2	47.25	54	-6.75	74	-26.75	0-360	100	H
	4	* ** 7.31906	36.85	Pk	35.7	-26.8	45.75	54	-8.25	74	-28.25	0-360	200	V
	5	* ** 9.07313	34.28	Pk	36.2	-23.5	46.98	54	-7.02	74	-27.02	0-360	200	V
	6	* ** 9.41625	34.93	Pk	36.4	-24.4	46.93	54	-7.07	74	-27.07	0-360	200	V
2478	1	* ** 7.43438	38.6	Pk	35.6	-26.9	47.3	54	-6.7	74	-26.7	0-360	100	H
	2	* ** 9.02719	34.25	Pk	36.2	-23.6	46.85	54	-7.15	74	-27.15	0-360	100	H
	3	* ** 9.35906	33.97	Pk	36.4	-23.7	46.67	54	-7.33	74	-27.33	0-360	100	H
	4	* ** 7.43531	38.08	Pk	35.6	-26.9	46.78	54	-7.22	74	-27.22	0-360	200	V
	5	* ** 9.19313	35.15	Pk	36.3	-24.7	46.75	54	-7.25	74	-27.25	0-360	200	V
	6	* ** 9.49031	35.35	Pk	36.5	-25	46.85	54	-7.15	74	-27.15	0-360	200	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

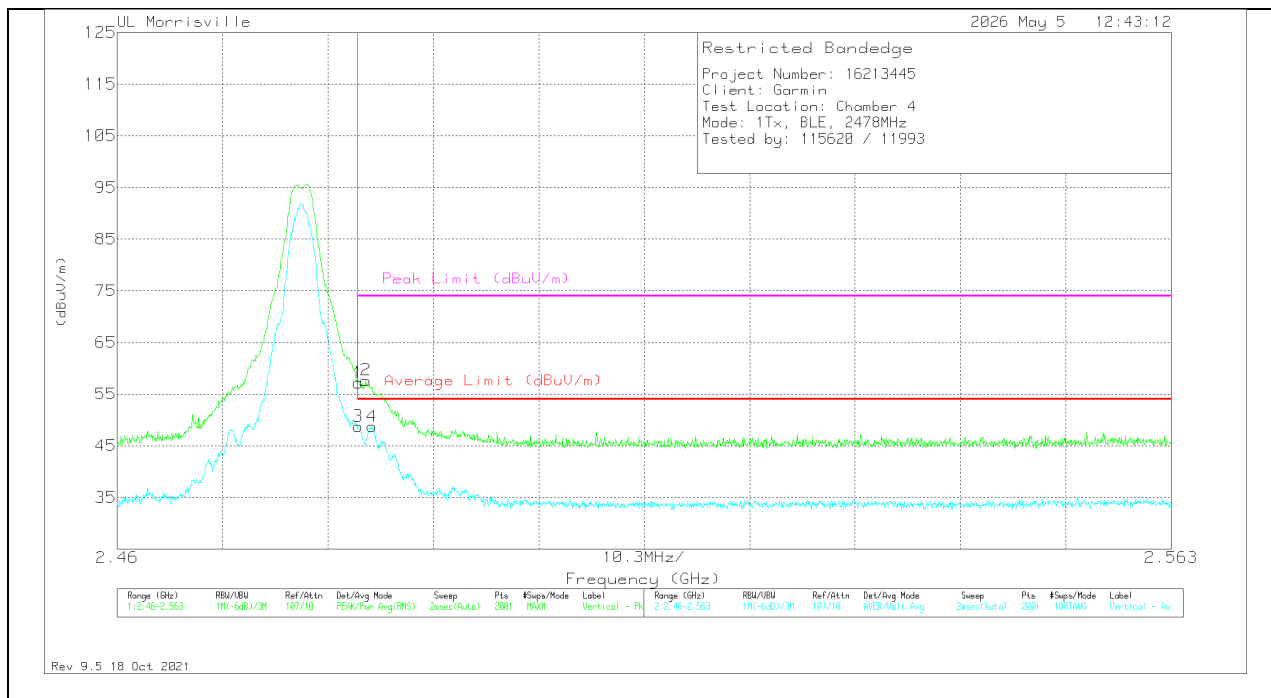
Pk - Peak detector

Tested By: 115705/11993,
Test Dates: 2026-05-08
Test Locations: Chamber 4

10.1.2. BLE

BANDEDGE (WORST-CASE: 2Mbps, 2478 MHz)

VERTICAL RESULT



Marker	Meas Freq. (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB)	Gain/Loss (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	47.12	Pk	32.4	-22.3	57.22	-	-	74	-16.78	321	103	V
2	* ** 2.48431	47.59	Pk	32.4	-22.3	57.69	-	-	74	-16.31	321	103	V
3	* ** 2.48354	38.65	ADV	32.4	-22.3	48.75	54	-5.25	-	-	321	103	V
4	* ** 2.48487	38.61	ADV	32.4	-22.3	48.71	54	-5.29	-	-	321	103	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

BANEDGE TEST DATA

Mode	Frequency (MHz)	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1Mbps	2402	1	*** 2.38996	35.2	Pk	31.9	-22.4	44.7	-	-	74	-29.3	343	101	H
		2	*** 2.36523	36.87	Pk	31.9	-22.4	46.37	-	-	74	-27.63	343	101	H
		3	*** 2.38996	23.27	ADV	31.9	-22.4	32.77	54	-21.23	-	-	343	100	H
		4	*** 2.36334	24.36	ADV	31.9	-22.4	33.86	54	-20.14	-	-	343	100	H
		1	*** 2.38996	34.55	Pk	31.9	-22.4	44.05	-	-	74	-29.95	349	113	V
		2	*** 2.36339	36.8	Pk	31.9	-22.4	46.3	-	-	74	-27.7	349	113	V
		3	*** 2.38996	23.04	ADV	31.9	-22.4	32.54	54	-21.46	-	-	349	113	V
		4	*** 2.36024	24.28	ADV	31.9	-22.4	33.78	54	-20.22	-	-	349	113	V
	2404	1	*** 2.38996	34.11	Pk	31.9	-22.4	43.61	-	-	74	-30.39	359	120	H
		2	*** 2.3867	36.7	Pk	31.9	-22.4	46.2	-	-	74	-27.8	359	120	H
		3	*** 2.38996	23.25	ADV	31.9	-22.4	32.75	54	-21.25	-	-	359	120	H
		4	*** 2.36061	24.41	ADV	31.9	-22.4	33.91	54	-20.09	-	-	359	120	H
		1	*** 2.38996	34.32	Pk	31.9	-22.4	43.82	-	-	74	-30.18	338	141	V
		2	*** 2.38224	37.46	Pk	32	-22.5	46.96	-	-	74	-27.04	338	141	V
		3	*** 2.38996	23.72	ADV	31.9	-22.4	33.22	54	-20.78	-	-	338	141	V
		4	*** 2.3572	24.54	ADV	31.9	-22.5	33.94	54	-20.06	-	-	338	141	V
	2476	1	*** 2.48354	37.1	Pk	32.4	-22.3	47.2	-	-	74	-26.8	8	107	H
		2	** 2.53617	37.67	Pk	32.5	-22.2	47.97	-	-	74	-26.03	8	107	H
		3	*** 2.48354	25.77	ADV	32.4	-22.3	35.87	54	-18.13	-	-	8	107	H
		4	*** 2.48359	26.62	ADV	32.4	-22.3	36.72	54	-17.28	-	-	8	107	H
		1	*** 2.48354	41.34	Pk	32.4	-22.3	51.44	-	-	74	-22.56	351	101	V
		2	*** 2.48395	42.09	Pk	32.4	-22.3	52.19	-	-	74	-21.81	351	101	V
		3	*** 2.48354	29.48	ADV	32.4	-22.3	39.58	54	-14.42	-	-	351	100	V
		4	*** 2.48384	30.26	ADV	32.4	-22.3	40.36	54	-13.64	-	-	351	100	V
	2478	1	*** 2.48354	37.84	Pk	32.4	-22.3	47.94	-	-	74	-26.06	28	113	H
		2	*** 2.48575	37.56	Pk	32.4	-22.3	47.66	-	-	74	-26.34	28	113	H
		3	*** 2.48354	25.79	ADV	32.4	-22.3	35.89	54	-18.11	-	-	28	113	H
		4	*** 2.48359	26.8	ADV	32.4	-22.3	36.9	54	-17.1	-	-	28	113	H
		1	*** 2.48354	41.54	Pk	32.4	-22.3	51.64	-	-	74	-22.36	343	109	V
		2	*** 2.48364	40.94	Pk	32.4	-22.3	51.04	-	-	74	-22.96	343	109	V
		3	*** 2.48354	30.75	ADV	32.4	-22.3	40.85	54	-13.15	-	-	343	109	V
		4	*** 2.48374	29.59	ADV	32.4	-22.3	39.69	54	-14.31	-	-	343	109	V
	2480	1	*** 2.48354	38.75	Pk	32.4	-22.3	48.85	-	-	74	-25.15	343	110	H
		2	*** 2.48364	38.08	Pk	32.4	-22.3	48.18	-	-	74	-25.82	343	110	H
		3	*** 2.48354	25.87	ADV	32.4	-22.3	35.97	54	-18.03	-	-	343	110	H
		4	*** 2.48364	26.42	ADV	32.4	-22.3	36.52	54	-17.48	-	-	343	110	H
		1	*** 2.48354	41.32	Pk	32.4	-22.3	51.42	-	-	74	-22.58	3	120	V
		2	*** 2.48364	41.03	Pk	32.4	-22.3	51.13	-	-	74	-22.87	3	120	V
		3	*** 2.48354	30.06	ADV	32.4	-22.3	40.16	54	-13.84	-	-	3	120	V
		4	*** 2.48374	29.11	ADV	32.4	-22.3	39.21	54	-14.79	-	-	3	120	V
2Mbps	2404	1	*** 2.38996	35.45	Pk	31.9	-22.4	44.95	-	-	74	-29.05	343	101	H
		2	*** 2.38886	37.67	Pk	31.9	-22.4	47.17	-	-	74	-26.83	343	101	H
		3	*** 2.38996	24.12	ADV	31.9	-22.4	33.62	54	-20.38	-	-	343	100	H
		4	*** 2.38896	25.03	ADV	31.9	-22.4	34.53	54	-19.47	-	-	343	100	H
		1	*** 2.38996	35.96	Pk	31.9	-22.4	45.46	-	-	74	-28.54	348	139	V
		2	*** 2.38917	37.26	Pk	31.9	-22.4	46.76	-	-	74	-27.24	348	139	V
		3	*** 2.38996	24.49	ADV	31.9	-22.4	33.99	54	-20.01	-	-	348	139	V
		4	*** 2.38912	26.06	ADV	31.9	-22.4	35.56	54	-18.44	-	-	348	139	V
	2476	1	*** 2.48354	39.81	Pk	32.4	-22.3	49.91	-	-	74	-24.09	3	109	H
		2	*** 2.48359	40.68	Pk	32.4	-22.3	50.78	-	-	74	-23.22	3	109	H
		3	*** 2.48354	29.8	ADV	32.4	-22.3	39.9	54	-14.1	-	-	3	109	H
		4	*** 2.4839	30.39	ADV	32.4	-22.3	40.49	54	-13.51	-	-	3	109	H
		1	*** 2.48354	46.15	Pk	32.4	-22.3	56.25	-	-	74	-17.75	350	117	V
		2	*** 2.48359	46.57	Pk	32.4	-22.3	56.67	-	-	74	-17.33	350	117	V
		3	*** 2.48354	36.05	ADV	32.4	-22.3	46.15	54	-7.85	-	-	350	117	V
		4	*** 2.4841	37.29	ADV	32.4	-22.3	47.39	54	-6.61	-	-	350	117	V

Mode	Frequency (MHz)	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2Mbps	2478	1	* ** 2.48354	41.39	Pk	32.4	-22.3	51.49	-	-	74	-22.51	345	110	H
		2	* ** 2.48359	41.45	Pk	32.4	-22.3	51.55	-	-	74	-22.45	345	110	H
		3	* ** 2.48354	32.4	ADV	32.4	-22.3	42.5	54	-11.5	-	-	345	110	H
		4	* ** 2.48472	32.38	ADV	32.4	-22.3	42.48	54	-11.52	-	-	345	110	H
		1	* ** 2.48354	47.12	Pk	32.4	-22.3	57.22	-	-	74	-16.78	321	103	V
		2	* ** 2.48431	47.59	Pk	32.4	-22.3	57.69	-	-	74	-16.31	321	103	V
		3	* ** 2.48354	38.65	ADV	32.4	-22.3	48.75	54	-5.25	-	-	321	103	V
		4	* ** 2.48487	38.61	ADV	32.4	-22.3	48.71	54	-5.29	-	-	321	103	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

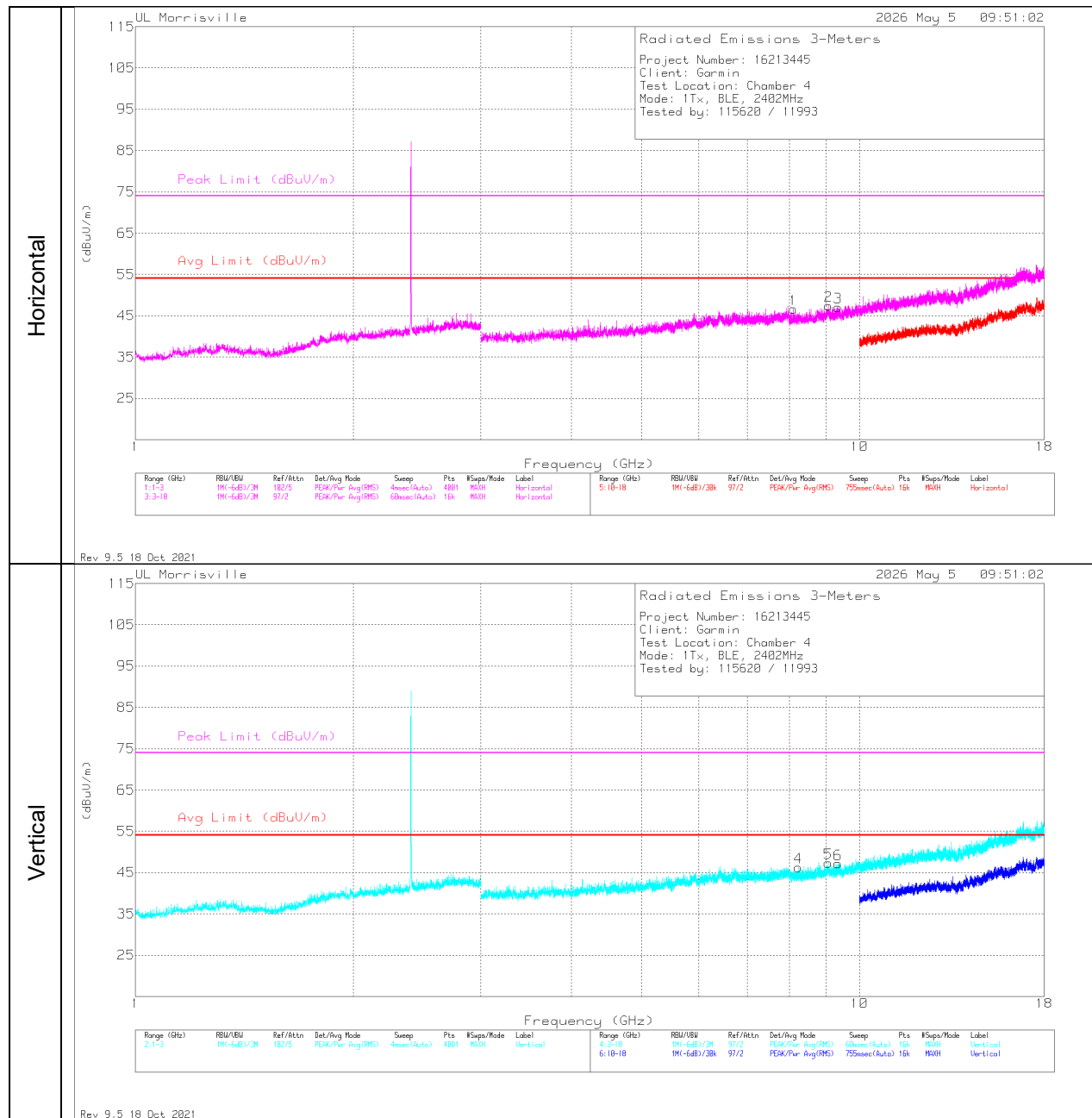
ADV - Linear Voltage Average

Tested By: 115620/11993, 115705/11993

Test Dates: 2026-05-05, 2026-05-08

Test Locations: Chamber 4

HARMONICS AND SPURIOUS (WORST-CASE: 1Mbps, 2402 MHz)



Marker	Frequency (MHz)	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	*** 8.10844	37.31	Pk	35.8	-26.5	46.61	54	-7.39	74	-27.39	0-360	100	H
2	*** 9.06563	34.79	Pk	36.2	-23.5	47.49	54	-6.51	74	-26.51	0-360	100	H
3	*** 9.345	34.31	Pk	36.4	-23.6	47.11	54	-6.89	74	-26.89	0-360	100	H
4	*** 8.235	36.3	Pk	35.8	-25.8	46.3	54	-7.7	74	-27.7	0-360	200	V
5	*** 9.06469	34.54	Pk	36.2	-23.4	47.34	54	-6.66	74	-26.66	0-360	200	V
6	*** 9.34875	34.23	Pk	36.4	-23.5	47.13	54	-6.87	74	-26.87	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

HARMONICS AND SPURIOUS TEST DATA

Mode	Frequency (MHz)	Marker	Frequency (MHz)	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
1Mbps	2402	1	* ** 8.10844	37.31	Pk	35.8	-26.5	46.61	54	-7.39	74	-27.39	0-360	100	H
		2	* ** 9.06563	34.79	Pk	36.2	-23.5	47.49	54	-6.51	74	-26.51	0-360	100	H
		3	* ** 9.345	34.31	Pk	36.4	-23.6	47.11	54	-6.89	74	-26.89	0-360	100	H
		4	* ** 8.235	36.3	Pk	35.8	-25.8	46.3	54	-7.7	74	-27.7	0-360	200	V
		5	* ** 9.06469	34.54	Pk	36.2	-23.4	47.34	54	-6.66	74	-26.66	0-360	200	V
		6	* ** 9.34875	34.23	Pk	36.4	-23.5	47.13	54	-6.87	74	-26.87	0-360	200	V
	2404	1	* ** 4.17563	40.1	Pk	33.4	-31.1	42.4	54	-11.6	74	-31.6	0-360	100	H
		2	* ** 7.49906	37.69	Pk	35.7	-27.4	45.99	54	-8.01	74	-28.01	0-360	100	H
		3	* ** 8.1975	36.02	Pk	35.8	-26	45.82	54	-8.18	74	-28.18	0-360	100	H
		4	* ** 2.2395	37.75	Pk	31.6	-22.5	46.85	54	-7.15	74	-27.15	0-360	200	V
		5	* ** 4.38938	39.93	Pk	33.8	-31.2	42.53	54	-11.47	74	-31.47	0-360	200	V
		6	* ** 8.17125	36.22	Pk	35.8	-25.9	46.12	54	-7.88	74	-27.88	0-360	200	V
	2440	1	** 1.8895	32.9	Pk	31.2	-23	41.1	54	-12.9	74	-32.9	0-360	100	H
		2	* ** 9.07219	34.71	Pk	36.2	-23.5	47.41	54	-6.59	74	-26.59	0-360	100	H
		3	* ** 9.30938	34.59	Pk	36.4	-24.2	46.79	54	-7.21	74	-27.21	0-360	100	H
		4	** 1.887	36.19	Pk	31.2	-23.1	44.29	54	-9.71	74	-29.71	0-360	200	V
		5	* ** 9.03094	34.52	Pk	36.2	-23.4	47.32	54	-6.68	74	-26.68	0-360	200	V
		6	* ** 9.36188	34.52	Pk	36.4	-23.8	47.12	54	-6.88	74	-26.88	0-360	200	V
	2476	1	* ** 3.86438	42.27	Pk	33.1	-32.3	43.07	54	-10.93	74	-30.93	0-360	100	H
		2	* ** 7.725	38.12	Pk	35.7	-26.7	47.12	54	-6.88	74	-26.88	0-360	100	H
		3	* ** 8.49	36.89	Pk	35.8	-25.6	47.09	54	-6.91	74	-26.91	0-360	100	H
		4	** 1.905	38.75	Pk	31.3	-22.9	47.15	54	-6.85	74	-26.85	0-360	200	V
		5	* ** 4.62	41.45	Pk	33.8	-31.2	44.05	54	-9.95	74	-29.95	0-360	200	V
		6	* ** 7.42688	37.91	Pk	35.6	-27	46.51	54	-7.49	74	-27.49	0-360	200	V
		7	* ** 8.16	37.1	Pk	35.8	-26.2	46.7	54	-7.3	74	-27.3	0-360	200	V
	2480	1	* ** 8.28188	36.79	Pk	35.8	-25.9	46.69	54	-7.31	74	-27.31	0-360	100	H
		2	* ** 9.07781	34.48	Pk	36.3	-23.6	47.18	54	-6.82	74	-26.82	0-360	100	H
		3	* ** 9.34031	34.25	Pk	36.4	-23.8	46.85	54	-7.15	74	-27.15	0-360	100	H
		4	* ** 8.37	36.4	Pk	35.8	-26.1	46.1	54	-7.9	74	-27.9	0-360	200	V
		5	* ** 9.04594	34.38	Pk	36.2	-23.3	47.28	54	-6.72	74	-26.72	0-360	200	V
		6	* ** 9.35719	34.56	Pk	36.4	-23.6	47.36	54	-6.64	74	-26.64	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

Tested By: 115620/11993, 115746/11993

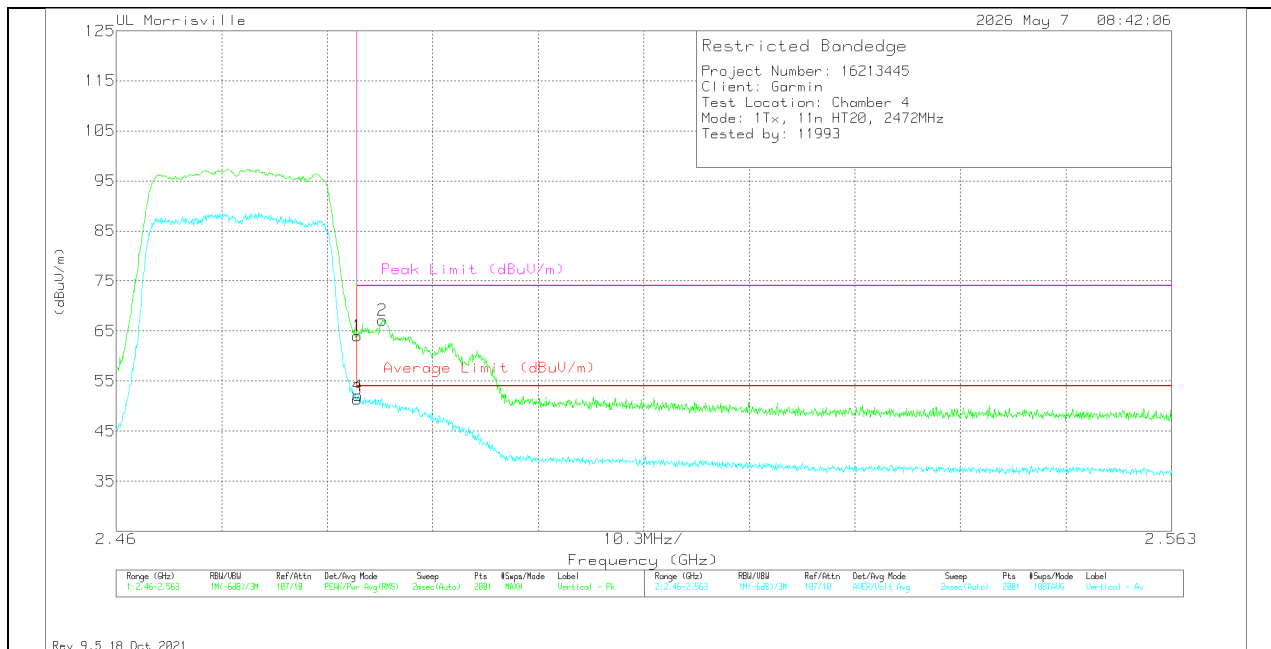
Test Dates: 2026-05-05, 2026-05-06

Test Locations: Chamber 4

10.1.3. 2.4GHz WLAN

BANDEDGE (WORST-CASE: 802.11n HT20, 2472 MHz)

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB)	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	53.95	Pk	32.4	-22.3	0	64.05	-	-	74	-9.95	345	128	V
2	*** 2.48601	57.09	Pk	32.4	-22.3	0	67.19	-	-	74	-6.81	345	128	V
3	*** 2.48354	40.61	ADV	32.4	-22.3	.69	51.4	54	-2.6	-	-	345	128	V
4	*** 2.48359	41.32	ADV	32.4	-22.3	.69	52.11	54	-1.89	-	-	345	128	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

BANEDGE TEST DATA

Mode	Frequency (MHz)	Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB)	13514 3 ACF (dB)	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	2412	1	*** 2.38996	44.05	Pk	32.1	-	-25.1	0	51.05	-	-	74	-22.95	307	116	H
		2	*** 2.38712	45.68	Pk	32.1	-	-25.1	0	52.68	-	-	74	-21.32	307	116	H
		3	*** 2.38996	35.99	ADV	32.1	-	-25.1	.21	43.2	54	-10.8	-	-	307	116	H
		4	*** 2.38733	39.03	ADV	32.1	-	-25.1	.21	46.24	54	-7.76	-	-	307	116	H
		1	*** 2.38996	44.87	Pk	32.1	-	-25.1	0	51.87	-	-	74	-22.13	284	157	V
		2	*** 2.38728	46.55	Pk	32.1	-	-25.1	0	53.55	-	-	74	-20.45	284	157	V
		3	*** 2.38996	35.96	ADV	32.1	-	-25.1	.21	43.17	54	-10.83	-	-	284	157	V
		4	*** 2.38576	39.81	ADV	32.1	-	-25.1	.21	47.02	54	-6.98	-	-	284	157	V
	2442	1	*** 2.48352	42.14	Pk	32.3	-	-24.4	0	50.04	-	-	74	-23.96	329	106	H
		2	*** 2.49288	43.7	Pk	32.3	-	-24.5	0	51.5	-	-	74	-22.5	329	106	H
		3	*** 2.48352	32.5	ADV	32.3	-	-24.4	.21	40.61	54	-13.39	-	-	329	106	H
		4	*** 2.48972	34.3	ADV	32.3	-	-24.5	.21	42.31	54	-11.69	-	-	329	106	H
		1	*** 2.48352	46.43	Pk	32.3	-	-24.4	0	54.33	-	-	74	-19.67	329	118	V
		2	*** 2.486	48.15	Pk	32.3	-	-24.5	0	55.95	-	-	74	-18.05	329	118	V
		3	*** 2.48352	37.29	ADV	32.3	-	-24.4	.21	45.4	54	-8.6	-	-	329	118	V
		4	*** 2.48984	39.39	ADV	32.3	-	-24.5	.21	47.4	54	-6.6	-	-	329	118	V
	2447	1	*** 2.48351	45.65	Pk	32.3	-	-24.4	0	53.55	-	-	74	-20.45	334	107	H
		2	*** 2.48601	46.22	Pk	32.3	-	-24.5	0	54.02	-	-	74	-19.98	334	107	H
		3	*** 2.48351	37.76	ADV	32.3	-	-24.4	.21	45.87	54	-8.13	-	-	334	107	H
		4	*** 2.48613	40.05	ADV	32.3	-	-24.5	.21	48.06	54	-5.94	-	-	334	107	H
		1	*** 2.48351	48.53	Pk	32.3	-	-24.4	0	56.43	-	-	74	-17.57	348	106	V
		2	*** 2.48595	49.51	Pk	32.3	-	-24.5	0	57.31	-	-	74	-16.69	348	106	V
		3	*** 2.48351	41.13	ADV	32.3	-	-24.4	.21	49.24	54	-4.76	-	-	348	106	V
		4	*** 2.48625	43.6	ADV	32.3	-	-24.5	.21	51.61	54	-2.39	-	-	348	106	V
	2452	1	*** 2.48354	42.57	Pk	32.3	-	-24.4	0	50.47	-	-	74	-23.53	328	136	H
		2	*** 2.49101	44.66	Pk	32.3	-	-24.5	0	52.46	-	-	74	-21.54	328	136	H
		3	*** 2.48354	33.6	ADV	32.3	-	-24.4	.21	41.71	54	-12.29	-	-	328	136	H
		4	*** 2.49118	37.39	ADV	32.3	-	-24.5	.21	45.4	54	-8.6	-	-	328	136	H
		1	*** 2.48354	48.12	Pk	32.3	-	-24.4	0	56.02	-	-	74	-17.98	280	124	V
		2	*** 2.49118	50.11	Pk	32.3	-	-24.5	0	57.91	-	-	74	-16.09	280	124	V
		3	*** 2.48354	40.23	ADV	32.3	-	-24.4	.21	48.34	54	-5.66	-	-	280	124	V
		4	*** 2.49124	43.89	ADV	32.3	-	-24.5	.21	51.9	54	-2.1	-	-	280	124	V
	2457	1	*** 2.48354	41.39	Pk	32.3	-	-24.4	0	49.29	-	-	74	-24.71	324	107	H
		2	*** 2.48365	41.57	Pk	32.3	-	-24.4	0	49.47	-	-	74	-24.53	324	107	H
		3	*** 2.48354	32.88	ADV	32.3	-	-24.4	.21	40.99	54	-13.01	-	-	324	107	H
		4	*** 2.48359	33.37	ADV	32.3	-	-24.4	.21	41.48	54	-12.52	-	-	324	107	H
		1	*** 2.48354	47.89	Pk	32.3	-	-24.4	0	55.79	-	-	74	-18.21	283	117	V
		2	*** 2.48359	48.2	Pk	32.3	-	-24.4	0	56.1	-	-	74	-17.9	283	117	V
		3	*** 2.48354	39.86	ADV	32.3	-	-24.4	.21	47.97	54	-6.03	-	-	283	117	V
		4	*** 2.48566	40.14	ADV	32.3	-	-24.5	.21	48.15	54	-5.85	-	-	283	117	V
	2462	1	*** 2.48354	39.94	Pk	-	32.4	-22.3	0	50.04	-	-	74	-23.96	15	117	H
		2	*** 2.4874	41.51	Pk	-	32.4	-22.3	0	51.61	-	-	74	-22.39	15	117	H
		3	*** 2.48354	28.75	ADV	-	32.4	-22.3	.21	39.06	54	-14.94	-	-	15	117	H
		4	*** 2.48771	33.75	ADV	-	32.4	-22.3	.21	44.06	54	-9.94	-	-	15	117	H
		1	*** 2.48354	45.48	Pk	-	32.4	-22.3	0	55.58	-	-	74	-18.42	348	129	V
		2	*** 2.48796	47.39	Pk	-	32.4	-22.3	0	57.49	-	-	74	-16.51	348	129	V
		3	*** 2.48354	35.13	ADV	-	32.4	-22.3	.21	45.44	54	-8.56	-	-	348	129	V
		4	*** 2.48766	40.45	ADV	-	32.4	-22.3	.21	50.76	54	-3.24	-	-	348	129	V
	2467	1	*** 2.48354	39.81	Pk	-	32.4	-22.3	0	49.91	-	-	74	-24.09	321	109	H
		2	*** 2.48426	40.21	Pk	-	32.4	-22.3	0	50.31	-	-	74	-23.69	321	109	H
		3	*** 2.48354	28.53	ADV	-	32.4	-22.3	.21	38.84	54	-15.16	-	-	321	109	H
		4	*** 2.48421	30.92	ADV	-	32.4	-22.3	.21	41.23	54	-12.77	-	-	321	109	H
		1	*** 2.48354	46.21	Pk	-	32.4	-22.3	0	56.31	-	-	74	-17.69	351	130	V
		2	*** 2.48441	46.64	Pk	-	32.4	-22.3	0	56.74	-	-	74	-17.26	351	130	V
		3	*** 2.48354	36.63	ADV	-	32.4	-22.3	.21	46.96	54	-7.04	-	-	351	130	V
		4	*** 2.48415	39.1	ADV	-	32.4	-22.3	.21	49.43	54	-4.57	-	-	351	130	V

Mode	Frequency (MHz)	Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB)	13514 3 ACF (dB)	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	2472	1	*** 2.48354	38.19	Pk	-	32.4	-22.3	0	48.29	-	-	74	-25.71	6	101	H
		2	*** 2.48369	39.16	Pk	-	32.4	-22.3	0	49.26	-	-	74	-24.74	6	101	H
		3	*** 2.48354	25.81	ADV	-	32.4	-22.3	.21	36.12	54	-17.88	-	-	6	100	H
		4	*** 2.48724	29.27	ADV	-	32.4	-22.3	.21	39.58	54	-14.42	-	-	6	100	H
		1	*** 2.48354	41.52	Pk	-	32.4	-22.3	0	51.62	-	-	74	-22.38	348	110	V
		2	*** 2.48477	44.79	Pk	-	32.4	-22.3	0	54.89	-	-	74	-19.11	348	110	V
		3	*** 2.48354	29.43	ADV	-	32.4	-22.3	.21	39.74	54	-14.26	-	-	348	110	V
		4	*** 2.48668	34.92	ADV	-	32.4	-22.3	.21	45.23	54	-8.77	-	-	348	110	V
802.11g	2412	1	*** 2.38996	57.24	Pk	32.1	-	-25.1	0	64.24	-	-	74	-9.76	161	113	H
		2	*** 2.38991	59.21	Pk	32.1	-	-25.1	0	66.21	-	-	74	-7.79	161	113	H
		3	*** 2.38996	42.34	ADV	32.1	-	-25.1	.42	49.76	54	-4.24	-	-	161	113	H
		4	*** 2.38991	42.74	ADV	32.1	-	-25.1	.42	50.16	54	-3.84	-	-	161	113	H
		1	*** 2.38996	58.43	Pk	32.1	-	-25.1	0	65.43	-	-	74	-8.57	325	110	V
		2	*** 2.38964	60.54	Pk	32.1	-	-25.1	0	67.54	-	-	74	-6.46	325	110	V
		3	*** 2.38996	43.37	ADV	32.1	-	-25.1	.42	50.79	54	-3.21	-	-	325	110	V
		4	*** 2.3897	44.16	ADV	32.1	-	-25.1	.42	51.58	54	-2.42	-	-	325	110	V
	2442	1	*** 2.48356	55.96	Pk	32.3	-	-24.4	0	63.86	-	-	74	-10.14	171	221	H
		2	*** 2.48387	56.15	Pk	32.3	-	-24.4	0	64.05	-	-	74	-9.95	171	221	H
		3	*** 2.48356	41.29	ADV	32.3	-	-24.4	.42	49.61	54	-4.39	-	-	171	221	H
		4	*** 2.48412	40.91	ADV	32.3	-	-24.4	.42	49.23	54	-4.77	-	-	171	221	H
		1	*** 2.48356	51.96	Pk	32.3	-	-24.4	0	59.86	-	-	74	-14.14	324	267	V
		2	*** 2.48375	53.37	Pk	32.3	-	-24.4	0	61.27	-	-	74	-12.73	324	267	V
		3	*** 2.48356	36.77	ADV	32.3	-	-24.4	.42	45.09	54	-8.91	-	-	324	267	V
		4	*** 2.48488	37.84	ADV	32.3	-	-24.5	.42	46.06	54	-7.94	-	-	324	267	V
	2447	1	*** 2.48354	48.42	Pk	32.3	-	-24.4	0	56.32	-	-	74	-17.68	352	303	H
		2	*** 2.48403	49.95	Pk	32.3	-	-24.4	0	57.85	-	-	74	-16.15	352	303	H
		3	*** 2.48354	31.87	ADV	32.3	-	-24.4	.42	40.19	54	-13.81	-	-	352	303	H
		4	*** 2.48483	33.47	ADV	32.3	-	-24.5	.42	41.69	54	-12.31	-	-	352	303	H
		1	*** 2.48354	55.56	Pk	32.3	-	-24.4	0	63.46	-	-	74	-10.54	15	134	V
		2	*** 2.48373	56.16	Pk	32.3	-	-24.4	0	64.06	-	-	74	-9.94	15	134	V
		3	*** 2.48354	41.5	ADV	32.3	-	-24.4	.42	49.82	54	-4.18	-	-	15	134	V
		4	*** 2.48367	41.01	ADV	32.3	-	-24.4	.42	49.33	54	-4.67	-	-	15	134	V
	2452	1	*** 2.4835	49.38	Pk	32.3	-	-24.4	0	57.28	-	-	74	-16.72	317	113	H
		2	*** 2.48486	53.09	Pk	32.3	-	-24.5	0	60.89	-	-	74	-13.11	317	113	H
		3	*** 2.4835	35.36	ADV	32.3	-	-24.4	.42	43.68	54	-10.32	-	-	317	113	H
		4	*** 2.48358	36.42	ADV	32.3	-	-24.4	.42	44.74	54	-9.26	-	-	317	113	H
		1	*** 2.4835	55.98	Pk	32.3	-	-24.4	0	63.88	-	-	74	-10.12	7	134	V
		2	*** 2.4851	60.02	Pk	32.3	-	-24.5	0	67.82	-	-	74	-6.18	7	134	V
		3	*** 2.4835	41.9	ADV	32.3	-	-24.4	.42	50.22	54	-3.78	-	-	7	134	V
		4	*** 2.48356	42.93	ADV	32.3	-	-24.4	.42	51.25	54	-2.75	-	-	7	134	V
	2457	1	*** 2.4835	54.36	Pk	32.3	-	-24.4	0	62.26	-	-	74	-11.74	1	150	H
		2	*** 2.48469	56.89	Pk	32.3	-	-24.5	0	64.69	-	-	74	-9.31	1	150	H
		3	*** 2.4835	40.76	ADV	32.3	-	-24.4	.42	49.08	54	-4.92	-	-	1	149	H
		4	*** 2.48384	41.11	ADV	32.3	-	-24.4	.42	49.43	54	-4.57	-	-	1	149	H
		1	*** 2.4835	56.75	Pk	32.3	-	-24.4	0	64.65	-	-	74	-9.35	340	304	V
		2	*** 2.48401	56.83	Pk	32.3	-	-24.4	0	64.73	-	-	74	-9.27	340	304	V
		3	*** 2.4835	41.21	ADV	32.3	-	-24.4	.42	49.53	54	-4.47	-	-	340	304	V
		4	*** 2.48384	42.39	ADV	32.3	-	-24.4	.42	50.71	54	-3.29	-	-	340	304	V
	2462	1	*** 2.48355	53.04	Pk	32.3	-	-24.4	0	60.94	-	-	74	-13.06	15	385	H
		2	*** 2.48408	51.11	Pk	32.3	-	-24.4	0	59.01	-	-	74	-14.99	15	385	H
		3	*** 2.48355	35.47	ADV	32.3	-	-24.4	.42	43.79	54	-10.21	-	-	15	385	H
		4	*** 2.48366	35.15	ADV	32.3	-	-24.4	.42	43.47	54	-10.53	-	-	15	385	H
		1	*** 2.48355	56.66	Pk	32.3	-	-24.4	0	64.56	-	-	74	-9.44	6	121	V
		2	*** 2.48461	57.78	Pk	32.3	-	-24.5	0	65.58	-	-	74	-8.42	6	121	V
		3	*** 2.48355	40.2	ADV	32.3	-	-24.4	.42	48.52	54	-5.48	-	-	6	121	V
		4	*** 2.48371	41.47	ADV	32.3	-	-24.4	.42	49.79	54	-4.21	-	-	6	121	V

Mode	Frequency (MHz)	Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB)	13514 3 ACF (dB)	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
802.11g	2467	1	*** 2.48354	50.62	Pk	32.3	-	-24.4	0	58.52	-	-	74	-15.48	312	115	H
		2	*** 2.48451	50.47	Pk	32.3	-	-24.4	0	58.37	-	-	74	-15.63	312	115	H
		3	*** 2.48354	37.36	ADV	32.3	-	-24.4	.42	45.68	54	-8.32	-	-	312	115	H
		4	*** 2.484	37.26	ADV	32.3	-	-24.4	.42	45.58	54	-8.42	-	-	312	115	H
		1	*** 2.48354	55.25	Pk	32.3	-	-24.4	0	63.15	-	-	74	-10.85	0	138	V
		2	*** 2.484	55.73	Pk	32.3	-	-24.4	0	63.63	-	-	74	-10.37	0	138	V
		3	*** 2.48354	41.78	ADV	32.3	-	-24.4	.42	50.1	54	-3.9	-	-	0	138	V
		4	*** 2.48364	42.45	ADV	32.3	-	-24.4	.42	50.77	54	-3.23	-	-	0	138	V
	2472	1	*** 2.48354	53.31	Pk	32.3	-	-24.4	0	61.21	-	-	74	-12.79	304	112	H
		2	*** 2.48431	58.41	Pk	32.3	-	-24.4	0	66.31	-	-	74	-7.69	304	112	H
		3	*** 2.48354	40.6	ADV	32.3	-	-24.4	.42	48.92	54	-5.08	-	-	304	112	H
		4	*** 2.48364	41.86	ADV	32.3	-	-24.4	.42	50.18	54	-3.82	-	-	304	112	H
		1	*** 2.48354	53.81	Pk	32.3	-	-24.4	0	61.71	-	-	74	-12.29	293	133	V
		2	*** 2.48431	59.43	Pk	32.3	-	-24.4	0	67.33	-	-	74	-6.67	293	133	V
		3	*** 2.48354	43.53	ADV	32.3	-	-24.4	.42	51.85	54	-2.15	-	-	293	133	V
		4	*** 2.48369	43.76	ADV	32.3	-	-24.4	.42	52.08	54	-1.92	-	-	293	133	V

Mode	Frequency (MHz)	Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB)	13514 3 ACF (dB)	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
802.11n HT20	2412	1	*** 2.38996	54.29	Pk	32.1	-	-25.1	0	61.29	-	-	74	-12.71	163	134	H
		2	*** 2.38844	58.46	Pk	32.1	-	-25.1	0	65.46	-	-	74	-8.54	163	134	H
		3	*** 2.38996	38.81	ADV	32.1	-	-25.1	.69	46.5	54	-7.5	-	-	163	134	H
		4	*** 2.38985	38.78	ADV	32.1	-	-25.1	.69	46.47	54	-7.53	-	-	163	134	H
		1	*** 2.38996	57.89	Pk	32.1	-	-25.1	0	64.89	-	-	74	-9.11	329	105	V
		2	*** 2.38849	62.7	Pk	32.1	-	-25.1	0	69.7	-	-	74	-4.3	329	105	V
		3	*** 2.38996	43.48	ADV	32.1	-	-25.1	.69	51.17	54	-2.83	-	-	329	105	V
		4	*** 2.38975	43.15	ADV	32.1	-	-25.1	.69	50.84	54	-3.16	-	-	329	105	V
	2447	1	*** 2.48353	51.3	Pk	-	32.4	-22.3	0	61.4	-	-	74	-12.6	26	101	H
		2	*** 2.485	52.6	Pk	-	32.4	-22.3	0	62.7	-	-	74	-11.3	26	101	H
		3	*** 2.48353	36.11	ADV	-	32.4	-22.3	.69	46.9	54	-7.1	-	-	26	100	H
		4	*** 2.48388	36.62	ADV	-	32.4	-22.3	.69	47.41	54	-6.59	-	-	26	100	H
		1	*** 2.48353	54.51	Pk	-	32.4	-22.3	0	64.61	-	-	74	-9.39	343	113	V
		2	*** 2.4909	54.85	Pk	-	32.4	-22.3	0	64.95	-	-	74	-9.05	343	113	V
		3	*** 2.48353	39.2	ADV	-	32.4	-22.3	.69	49.99	54	-4.01	-	-	343	113	V
		4	*** 2.4837	39.73	ADV	-	32.4	-22.3	.69	50.52	54	-3.48	-	-	343	113	V
	2452	1	*** 2.4835	47.53	Pk	-	32.4	-22.3	0	57.63	-	-	74	-16.37	313	100	H
		2	*** 2.48367	48.79	Pk	-	32.4	-22.3	0	58.89	-	-	74	-15.11	313	100	H
		3	*** 2.4835	32.71	ADV	-	32.4	-22.3	.69	43.5	54	-10.5	-	-	313	100	H
		4	*** 2.48373	32.93	ADV	-	32.4	-22.3	.69	43.72	54	-10.28	-	-	313	100	H
		1	*** 2.4835	53.84	Pk	-	32.4	-22.3	0	63.94	-	-	74	-10.06	313	100	V
		2	*** 2.48396	54.54	Pk	-	32.4	-22.3	0	64.64	-	-	74	-9.36	313	100	V
		3	*** 2.4835	37.13	ADV	-	32.4	-22.3	.69	47.92	54	-6.08	-	-	313	100	V
		4	*** 2.48356	38.02	ADV	-	32.4	-22.3	.69	48.81	54	-5.19	-	-	313	100	V
	2457	1	*** 2.48355	38.59	Pk	-	32.4	-22.3	0	48.69	-	-	74	-25.31	28	103	H
		2	*** 2.48548	41.63	Pk	-	32.4	-22.3	0	51.73	-	-	74	-22.27	28	103	H
		3	*** 2.48355	30.79	ADV	-	32.4	-22.3	.69	41.58	54	-12.42	-	-	28	103	H
		4	*** 2.4843	32.06	ADV	-	32.4	-22.3	.69	42.85	54	-11.15	-	-	28	103	H
		1	*** 2.48355	47.45	Pk	-	32.4	-22.3	0	57.55	-	-	74	-16.45	340	129	V
		2	*** 2.48505	49.54	Pk	-	32.4	-22.3	0	59.64	-	-	74	-14.36	340	129	V
		3	*** 2.48355	31.86	ADV	-	32.4	-22.3	.69	42.65	54	-11.35	-	-	340	129	V
		4	*** 2.48366	32.71	ADV	-	32.4	-22.3	.69	43.5	54	-10.5	-	-	340	129	V
	2462	1	*** 2.48354	48.17	Pk	-	32.4	-22.3	0	58.27	-	-	74	-15.73	97	290	H
		2	*** 2.48477	49.75	Pk	-	32.4	-22.3	0	59.85	-	-	74	-14.15	97	290	H
		3	*** 2.48354	34.11	ADV	-	32.4	-22.3	.69	44.9	54	-9.1	-	-	97	290	H
		4	*** 2.48379	34.65	ADV	-	32.4	-22.3	.69	45.44	54	-8.56	-	-	97	290	H
		1	*** 2.48354	50.49	Pk	-	32.4	-22.3	0	60.59	-	-	74	-13.41	165	220	V
		2	*** 2.48493	50.84	Pk	-	32.4	-22.3	0	60.94	-	-	74	-13.06	165	220	V
		3	*** 2.48354	35.44	ADV	-	32.4	-22.3	.69	46.23	54	-7.77	-	-	165	220	V
		4	*** 2.48359	35.69	ADV	-	32.4	-22.3	.69	46.48	54	-7.52	-	-	165	220	V

Mode	Frequency (MHz)	Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB)	13514 3 ACF (dB)	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
802.11n HT20	2467	1	* ** 2.48354	45.36	Pk	-	32.4	-22.3	0	55.46	-	-	74	-18.54	3	132	H
		2	* ** 2.48364	46.33	Pk	-	32.4	-22.3	0	56.43	-	-	74	-17.57	3	132	H
		3	* ** 2.48354	30.95	ADV	-	32.4	-22.3	.69	41.74	54	-12.26	-	-	3	132	H
		4	* ** 2.4839	31.76	ADV	-	32.4	-22.3	.69	42.55	54	-11.45	-	-	3	132	H
		1	* ** 2.48354	54.49	Pk	-	32.4	-22.3	0	64.59	-	-	74	-9.41	354	124	V
		2	* ** 2.48369	54.92	Pk	-	32.4	-22.3	0	65.02	-	-	74	-8.98	354	124	V
		3	* ** 2.48354	40.61	ADV	-	32.4	-22.3	.69	51.4	54	-2.6	-	-	354	124	V
		4	* ** 2.48379	41.06	ADV	-	32.4	-22.3	.69	51.85	54	-2.15	-	-	354	124	V
	2472	1	* ** 2.48354	49.06	Pk	-	32.4	-22.3	0	59.16	-	-	74	-14.84	28	320	H
		2	* ** 2.48611	52.09	Pk	-	32.4	-22.3	0	62.19	-	-	74	-11.81	28	320	H
		3	* ** 2.48354	36.25	ADV	-	32.4	-22.3	.69	47.04	54	-6.96	-	-	28	320	H
		4	* ** 2.48487	36.13	ADV	-	32.4	-22.3	.69	46.92	54	-7.08	-	-	28	320	H
		1	* ** 2.48354	53.95	Pk	-	32.4	-22.3	0	64.05	-	-	74	-9.95	345	128	V
		2	* ** 2.48601	57.09	Pk	-	32.4	-22.3	0	67.19	-	-	74	-6.81	345	128	V
		3	* ** 2.48354	40.61	ADV	-	32.4	-22.3	.69	51.4	54	-2.6	-	-	345	128	V
		4	* ** 2.48359	41.32	ADV	-	32.4	-22.3	.69	52.11	54	-1.89	-	-	345	128	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

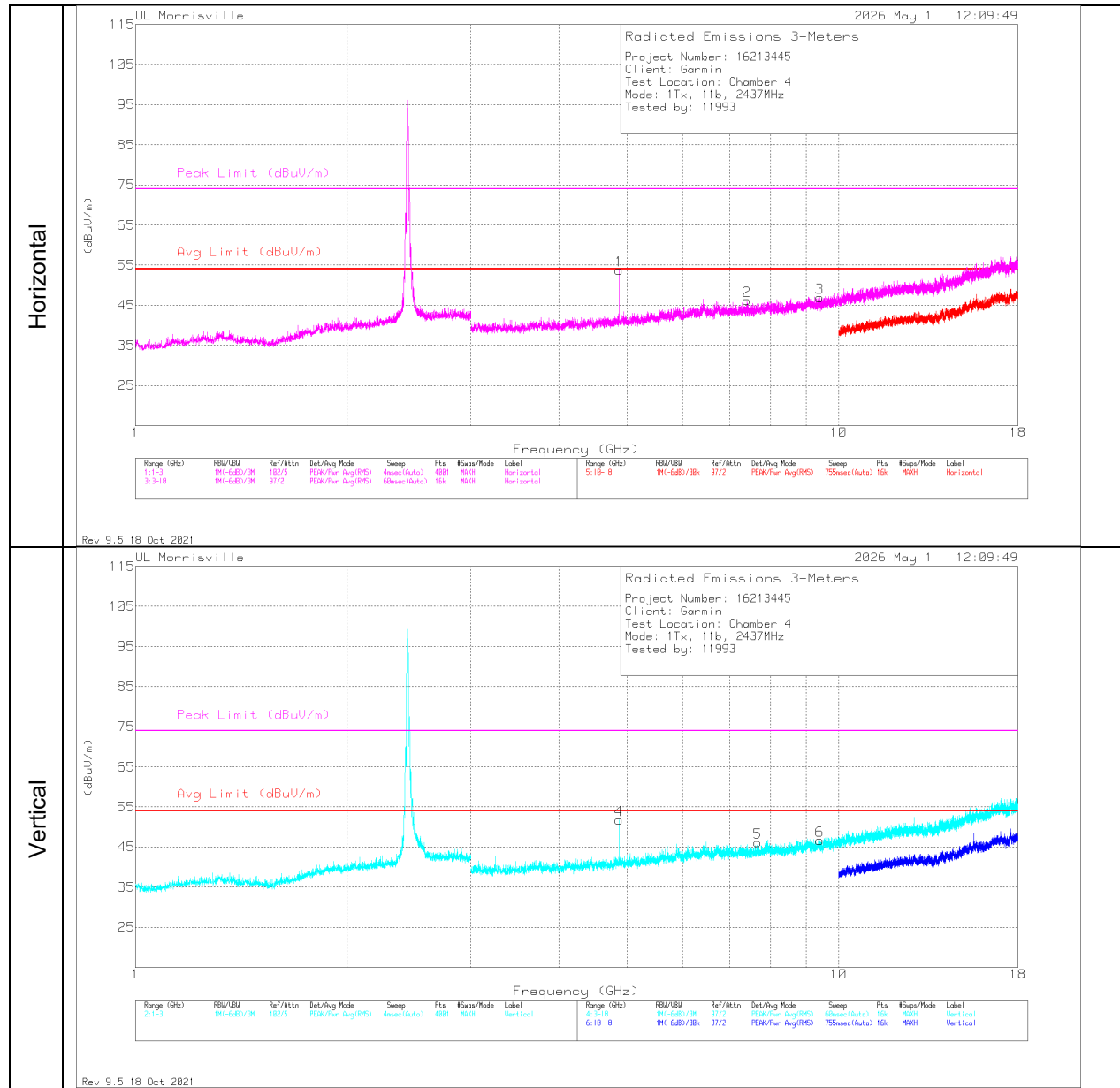
ADV - Linear Voltage Average

Tested By: 11993, 85501, 115620/11993, 115705/11993

Test Dates: 2026-05-01 to 2026-05-07

Test Locations: Chamber 1, Chamber 4

HARMONICS AND SPURIOUS (WORST-CASE: 802.11b, 2437 MHz)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB)	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	* ** 4.87389	54.62	PK2	33.9	-31.1	0	57.42	-	-	74	-16.58	319	128	H
	* ** 4.87394	46.55	ADV	33.9	-31.1	.21	49.56	54	-4.44	-	-	319	128	H
2	* ** 7.40719	37.81	PK	35.5	-27.1	0	46.21	54	-7.79	74	-27.79	0-360	100	H
3	* ** 9.4125	34.87	PK	36.4	-24.3	0	46.97	54	-7.03	74	-27.03	0-360	100	H
4	* ** 4.87401	52.83	PK2	33.9	-31.1	0	55.63	-	-	74	-18.37	187	238	V
	* ** 4.87395	46.15	ADV	33.9	-31.1	.21	49.16	54	-4.84	-	-	187	238	V
5	* ** 7.67531	37.1	PK	35.7	-26.7	0	46.1	54	-7.9	74	-27.9	0-360	200	V
6	* ** 9.4125	34.55	PK	36.4	-24.3	0	46.65	54	-7.35	74	-27.35	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

HARMONICS AND SPURIOUS TEST DATA

Mode	Frequency (MHz)	Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB)	135143 ACF (dB)	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	2412	1	*** 4.82402	66.57	PK2	34	-	-46.7	0	53.87	-	-	74	-20.13	230	121	H
			*** 4.82399	57.87	ADV	34	-	-46.7	.21	45.38	54	-8.62	-	-	230	121	H
		2	*** 9.15563	48.99	Pk	36.2	-	-41	0	44.19	54	-9.81	74	-29.81	0-360	200	H
		3	*** 9.40688	48.81	Pk	36.5	-	-40.2	0	45.11	54	-8.89	74	-28.89	0-360	101	H
		4	*** 4.82406	65.62	PK2	34	-	-46.7	0	52.92	-	-	74	-21.08	122	294	V
			*** 4.82401	59.06	ADV	34	-	-46.7	.21	46.57	54	-7.43	-	-	122	294	V
	2437	5	*** 9.16406	49.82	Pk	36.2	-	-41.6	0	44.42	54	-9.58	74	-29.58	0-360	101	V
		6	*** 9.405	49.07	Pk	36.5	-	-40.3	0	45.27	54	-8.73	74	-28.73	0-360	200	V
		1	*** 4.87389	54.62	PK2	33.9	-	-31.1	0	57.42	-	-	74	-16.58	319	128	H
			*** 4.87394	46.55	ADV	33.9	-	-31.1	.21	49.56	54	-4.44	-	-	319	128	H
		2	*** 7.40719	37.81	Pk	35.5	-	-27.1	0	46.21	54	-7.79	74	-27.79	0-360	100	H
		3	*** 9.4125	34.87	Pk	36.4	-	-24.3	0	46.97	54	-7.03	74	-27.03	0-360	100	H
	2472	4	*** 4.87401	52.83	PK2	33.9	-	-31.1	0	55.63	-	-	74	-18.37	187	238	V
			*** 4.87395	46.15	ADV	33.9	-	-31.1	.21	49.16	54	-4.84	-	-	187	238	V
		5	*** 7.67531	37.1	Pk	35.7	-	-26.7	0	46.1	54	-7.9	74	-27.9	0-360	200	V
		6	*** 9.4125	34.55	Pk	36.4	-	-24.3	0	46.65	54	-7.35	74	-27.35	0-360	200	V
		1	*** 4.94393	67.33	PK2	33.9	-	-45.4	0	55.83	-	-	74	-18.17	260	111	H
			*** 4.94395	60.14	ADV	33.9	-	-45.4	.21	48.85	54	-5.15	-	-	260	111	H
802.11g	2412	2	*** 9.135	50.41	Pk	36.2	-	-41.8	0	44.81	54	-9.19	74	-29.19	0-360	101	H
		3	*** 9.39094	50.14	Pk	36.5	-	-41.2	0	45.44	54	-8.56	74	-28.56	0-360	200	H
		4	*** 4.94388	65.34	PK2	33.9	-	-45.3	0	53.94	-	-	74	-20.06	279	246	V
			*** 4.94398	56.65	ADV	33.9	-	-45.4	.21	45.36	54	-8.64	-	-	279	246	V
		5	*** 9.18656	49.7	Pk	36.3	-	-41.1	0	44.9	54	-9.1	74	-29.1	0-360	101	V
		6	*** 9.42188	50.35	Pk	36.5	-	-41.3	0	45.55	54	-8.45	74	-28.45	0-360	200	V
	2437	1	*** 4.82218	49.24	PK2	-	33.8	-31.2	0	51.84	-	-	74	-22.16	318	240	H
			*** 4.8225	32.73	ADV	-	33.8	-31.2	.42	35.75	54	-18.25	-	-	318	240	H
		2	*** 7.33781	37.88	Pk	-	35.6	-26.8	0	46.68	54	-7.32	74	-27.32	0-360	100	H
		3	*** 7.67063	37.91	Pk	-	35.6	-26.6	0	46.91	54	-7.09	74	-27.09	0-360	100	H
		4	*** 4.81688	43.64	Pk	-	33.8	-30.9	0	46.54	54	-7.46	74	-27.46	0-360	200	V
		5	*** 8.36063	36.07	Pk	-	35.8	-25.6	0	46.27	54	-7.73	74	-27.73	0-360	200	V
	2472	6	*** 9.36322	35.42	PK2	-	36.4	-23.9	0	47.92	-	-	74	-26.08	15	211	V
			*** 9.36373	22.79	ADV	-	36.4	-23.9	.42	35.71	54	-18.29	-	-	15	211	V
		1	*** 4.87406	45.04	Pk	-	33.9	-31.1	0	47.84	54	-6.16	74	-26.16	0-360	100	H
		2	*** 7.45594	37.42	Pk	-	35.6	-27.3	0	45.72	54	-8.28	74	-28.28	0-360	100	H
		3	*** 8.29406	36.47	Pk	-	35.8	-25.9	0	46.37	54	-7.63	74	-27.63	0-360	100	H
		4	*** 4.87219	43.76	Pk	-	33.9	-31.1	0	46.56	54	-7.44	74	-27.44	0-360	200	V
	2472	5	*** 7.67813	37.39	Pk	-	35.7	-26.7	0	46.39	54	-7.61	74	-27.61	0-360	200	V
		6	*** 9.38063	34.72	Pk	-	36.4	-23.9	0	47.22	54	-6.78	74	-26.78	0-360	200	V
		1	*** 4.29281	39.65	Pk	-	33.7	-31.2	0	42.15	54	-11.85	74	-31.85	0-360	100	H
		2	*** 4.9425	40.08	Pk	-	34	-30.4	0	43.68	54	-10.32	74	-30.32	0-360	100	H
		3	*** 9.18094	35.91	Pk	-	36.3	-24.5	0	47.71	54	-6.29	74	-26.29	0-360	100	H
		4	*** 4.52625	40.22	Pk	-	33.8	-30.9	0	43.12	54	-10.88	74	-30.88	0-360	200	V
	2472	5	*** 8.29875	36.9	Pk	-	35.8	-25.9	0	46.8	54	-7.2	74	-27.2	0-360	200	V
		6	*** 9.09375	35.55	Pk	-	36.3	-24.2	0	47.65	54	-6.35	74	-26.35	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

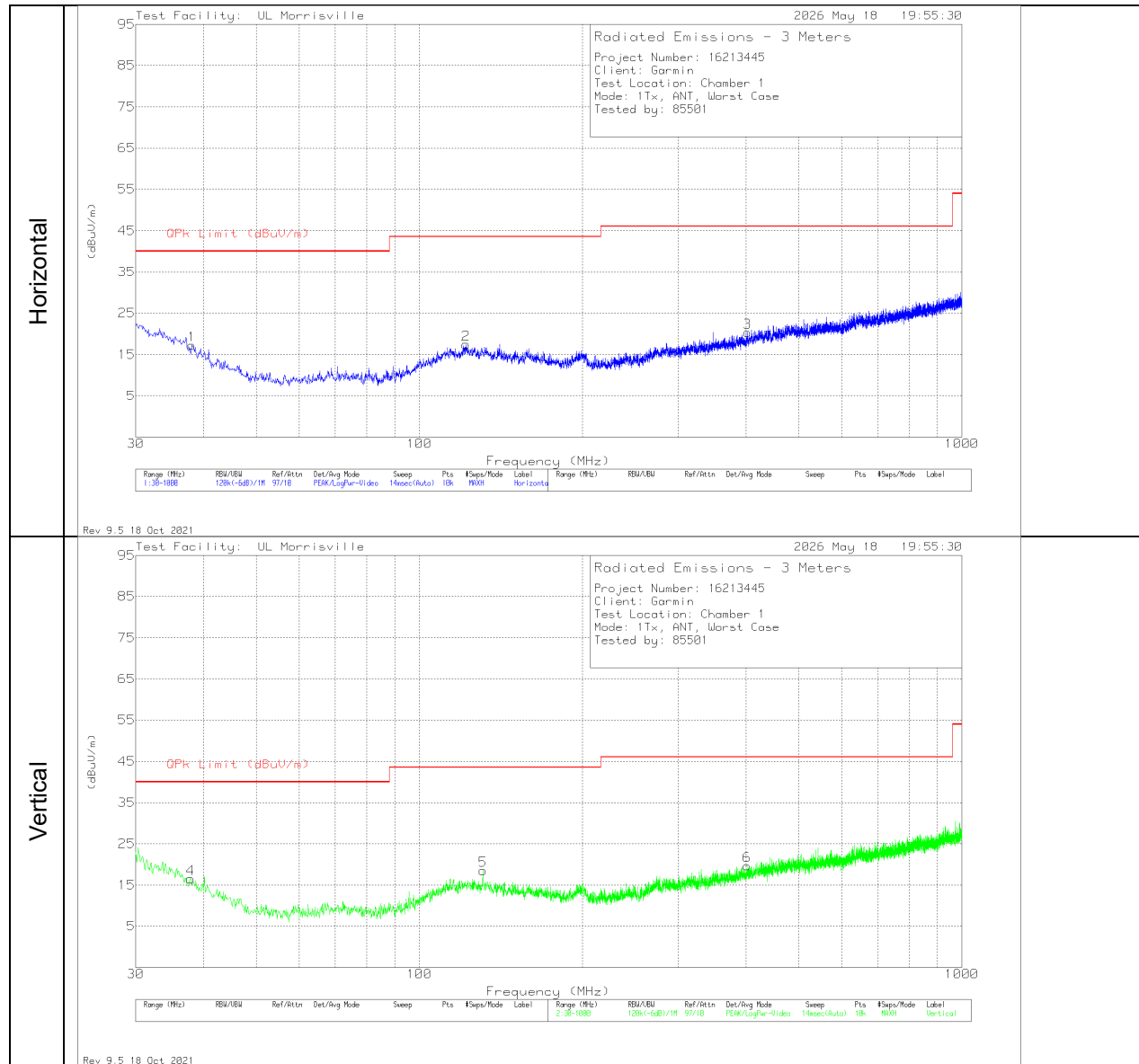
Tested By: 11993, 105705/11993, 115746/11993

Test Dates: 2026-05-01 to 2026-05-07

Test Locations: Chamber 1, Chamber 4

10.2. WORST CASE SPURIOUS BELOW 1 GHZ

10.2.1. ANT/ANT+



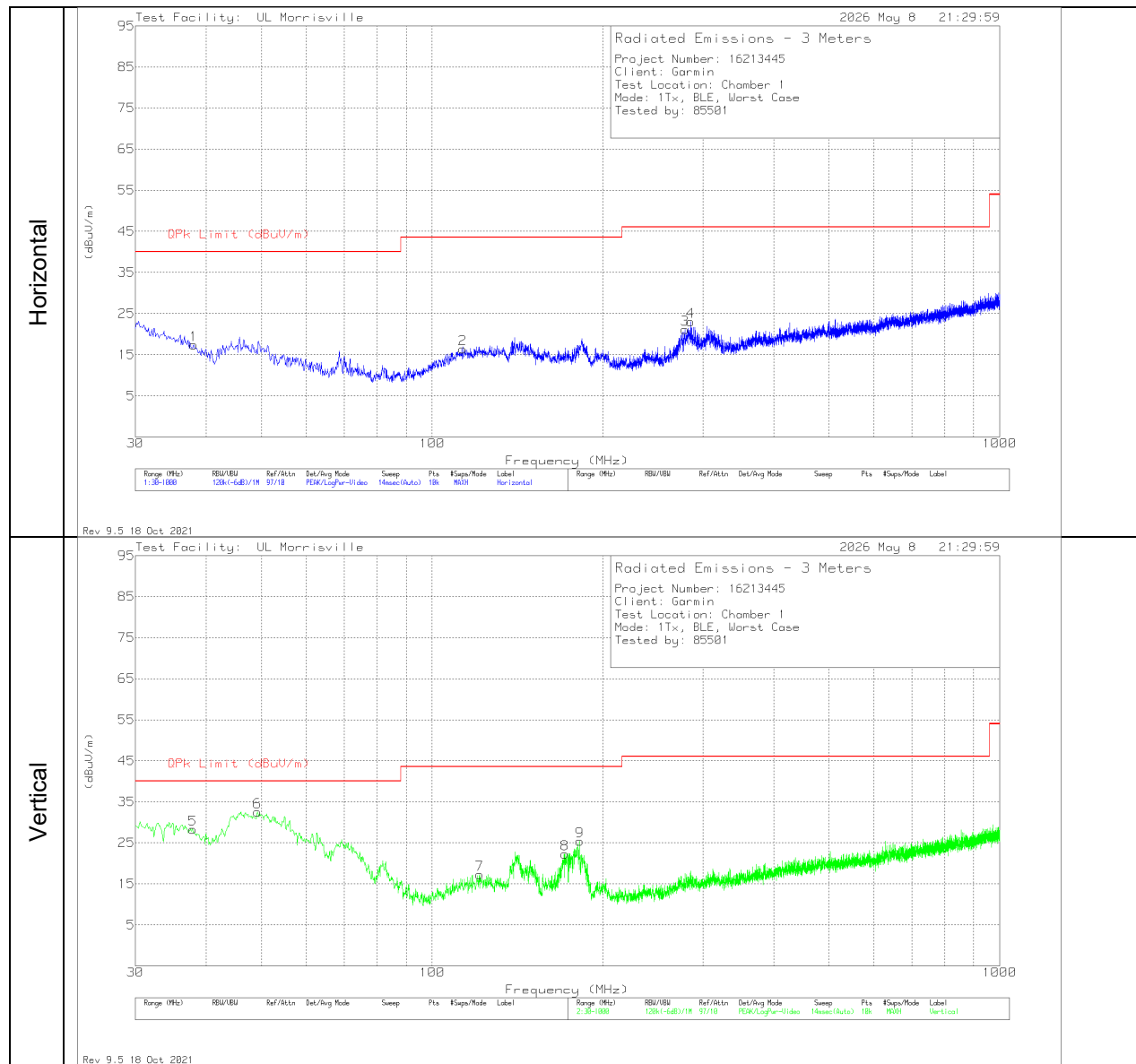
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 38.051	27.58	Pk	21.4	-31.7	17.28	40	-22.72	0-360	199	H
2	*** 121.859	28.03	Pk	20.1	-30.7	17.43	43.52	-26.09	0-360	399	H
3	*** 402.674	27.47	Pk	21.9	-29	20.37	46.02	-25.65	0-360	199	H
4	*** 37.857	26.89	Pk	21.5	-31.9	16.49	40	-23.51	0-360	100	V
5	*** 130.977	29.11	Pk	19.9	-30.5	18.51	43.52	-25.01	0-360	100	V
6	*** 401.607	26.79	Pk	21.8	-28.9	19.69	46.02	-26.33	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

10.2.2. BLE



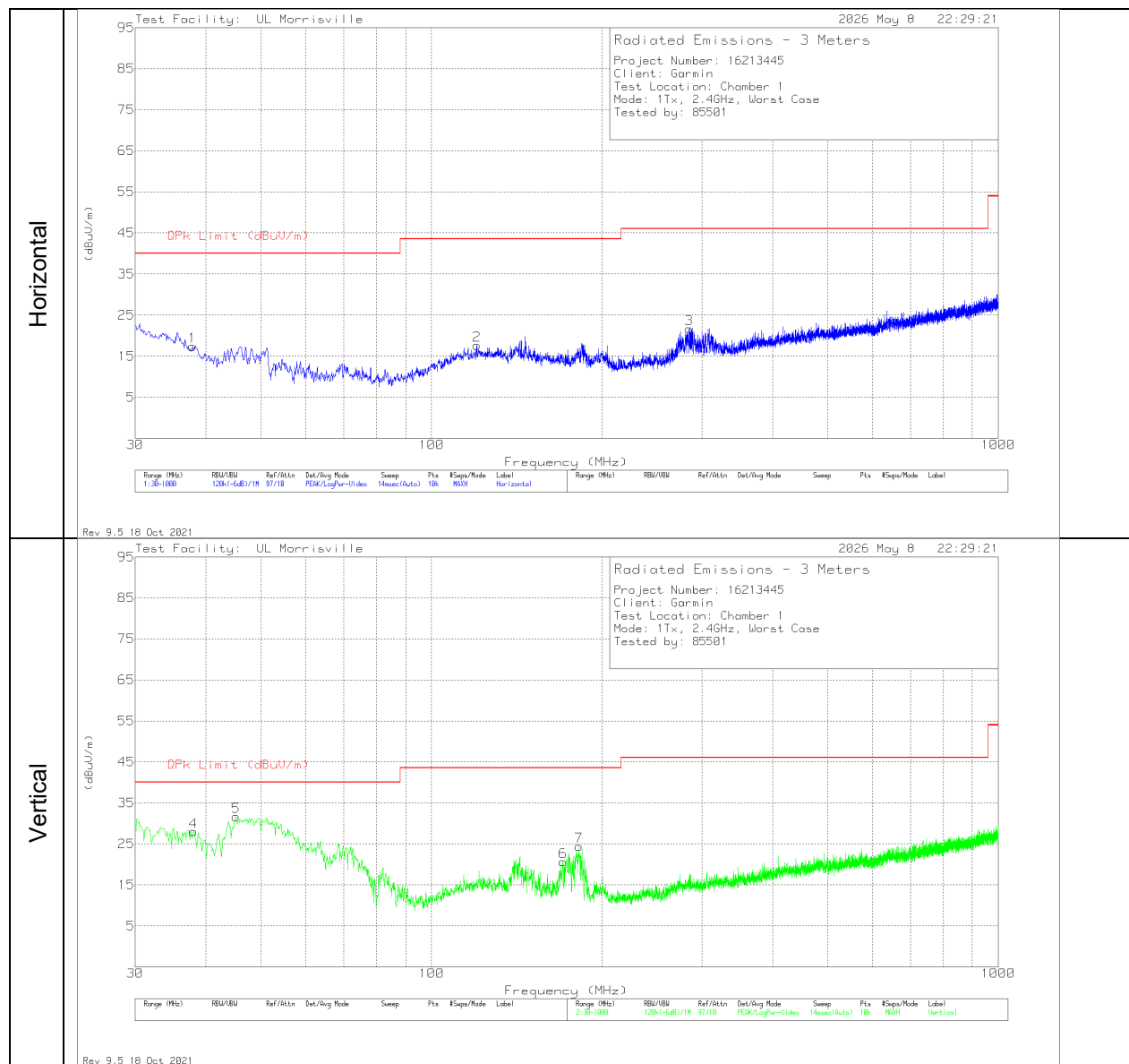
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 38.051	27.66	Pk	21.4	-31.7	17.36	40	-22.64	0-360	300	H
2	*** 113.226	28.13	Pk	19.4	-31.1	16.43	43.52	-27.09	0-360	100	H
3	*** 278.805	31.86	Pk	19.4	-30.1	21.16	46.02	-24.86	0-360	100	H
5	*** 37.857	38.72	Pk	21.5	-31.9	28.32	40	-11.68	0-360	100	V
7	*** 121.374	27.56	Pk	20.1	-30.4	17.26	43.52	-26.26	0-360	100	V
8	*** 171.232	34.77	Pk	18	-30.5	22.27	43.52	-21.25	0-360	100	V
6	49.206	49.31	Pk	14.5	-31.3	32.51	-	-	0-360	100	V
9	181.999	38.22	Pk	17.5	-30.3	25.42	-	-	0-360	100	V
4	285.304	32.28	Pk	19.4	-28.6	23.08	-	-	0-360	100	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.2.3. 2.4GHz WLAN



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 37.857	27.8	Pk	21.5	-31.9	17.4	40	-22.6	0-360	400	H
2	*** 120.21	28.36	Pk	20.1	-30.8	17.66	43.52	-25.86	0-360	400	H
3	*** 284.916	31.38	Pk	19.4	-29.1	21.68	46.02	-24.34	0-360	99	H
4	*** 38.051	38.28	Pk	21.4	-31.7	27.98	40	-12.02	0-360	100	V
6	*** 170.65	32.93	Pk	18	-30.3	20.63	43.52	-22.89	0-360	100	V
5	45.229	47.08	Pk	16.4	-31.8	31.68	-	-	0-360	100	V
7	181.999	37.19	Pk	17.5	-30.3	24.39	-	-	0-360	100	V

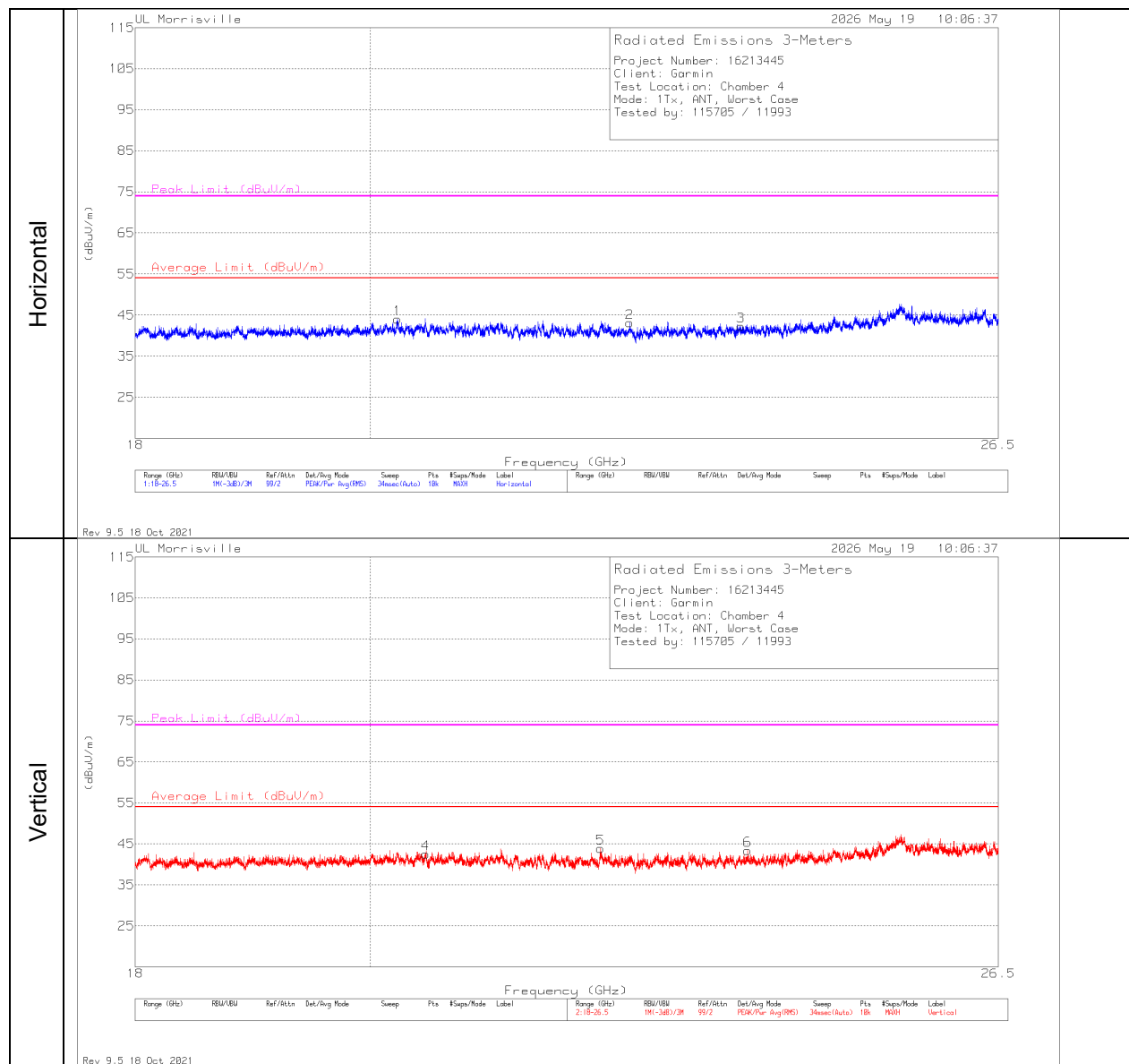
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.3. WORST CASE SPURIOUS 18-26 GHZ

10.3.1. ANT/ANT+



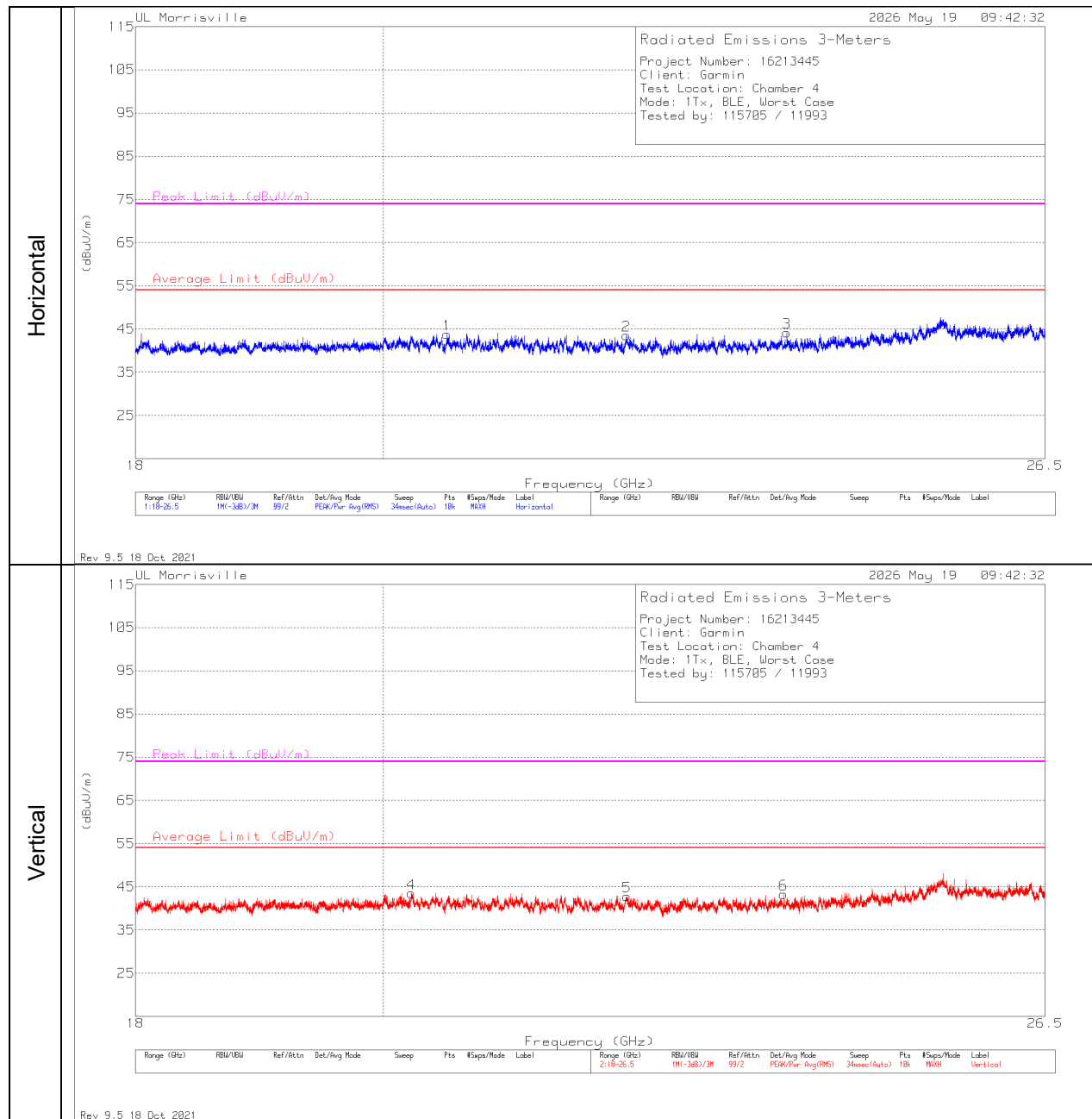
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 20.24507	48.96	Pk	33.4	-38.3	44.06	54	-9.94	74	-29.94	0-360	250	H
2	*** 22.46465	48.1	Pk	33.9	-38.9	43.1	54	-10.9	74	-30.9	0-360	100	H
3	*** 23.61396	46.73	Pk	34.3	-38.7	42.33	54	-11.67	74	-31.67	0-360	250	H
4	*** 20.50095	47.87	Pk	33.6	-38.9	42.57	54	-11.43	74	-31.43	0-360	200	V
5	*** 22.17477	48.16	Pk	33.9	-38.1	43.96	54	-10.04	74	-30.04	0-360	250	V
6	*** 23.68282	46.73	Pk	34.3	-37.6	43.43	54	-10.57	74	-30.57	0-360	300	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.3.2. BLE



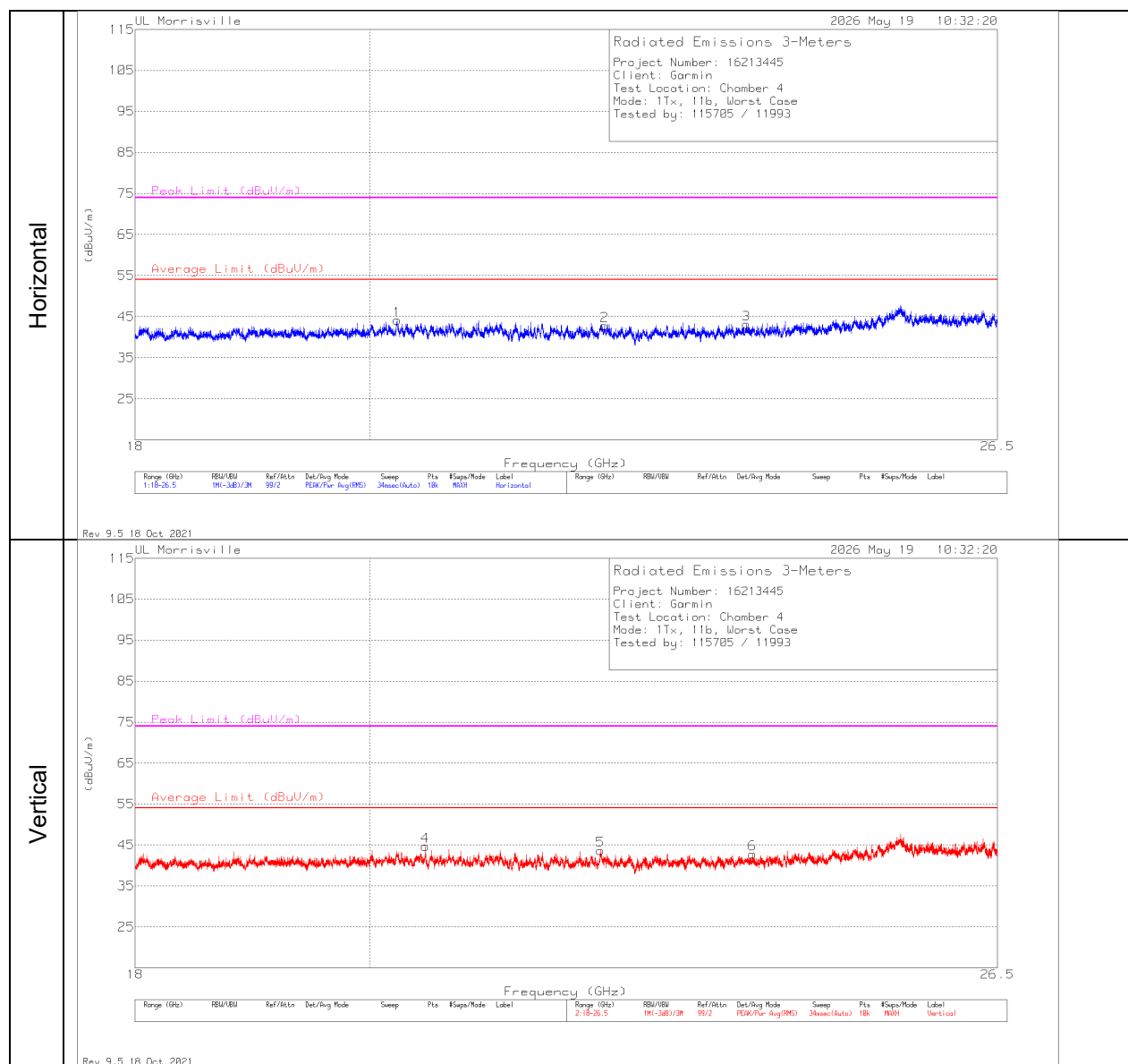
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.5477	49.52	Pk	33.6	-39.3	43.82	54	-10.18	74	-30.18	0-360	100	H
2	* ** 22.17902	47.29	Pk	33.9	-37.7	43.49	54	-10.51	74	-30.51	0-360	200	H
3	* ** 23.74487	48	Pk	34.3	-38.1	44.2	54	-9.8	74	-29.8	0-360	100	H
4	* ** 20.24252	48.18	Pk	33.4	-38.1	43.48	54	-10.52	74	-30.52	0-360	300	V
5	* ** 22.18412	46.85	Pk	33.9	-38	42.75	54	-11.25	74	-31.25	0-360	300	V
6	* ** 23.71172	47.34	Pk	34.3	-38.4	43.24	54	-10.76	74	-30.76	0-360	300	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

2.4GHz WLAN



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204704 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.24507	49	Pk	33.4	-38.3	44.1	54	-9.9	74	-29.9	0-360	150	H
2	* ** 22.21812	48.04	Pk	34	-39.3	42.74	54	-11.26	74	-31.26	0-360	100	H
3	* ** 23.67942	46.4	Pk	34.3	-37.6	43.1	54	-10.9	74	-30.9	0-360	100	H
4	* ** 20.50435	50.03	Pk	33.6	-39	44.63	54	-9.37	74	-29.37	0-360	250	V
5	* ** 22.17647	47.64	Pk	33.9	-37.9	43.64	54	-10.36	74	-30.36	0-360	300	V
6	* ** 23.74657	46.52	Pk	34.3	-38	42.82	54	-11.18	74	-31.18	0-360	300	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	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 PROCEDURE

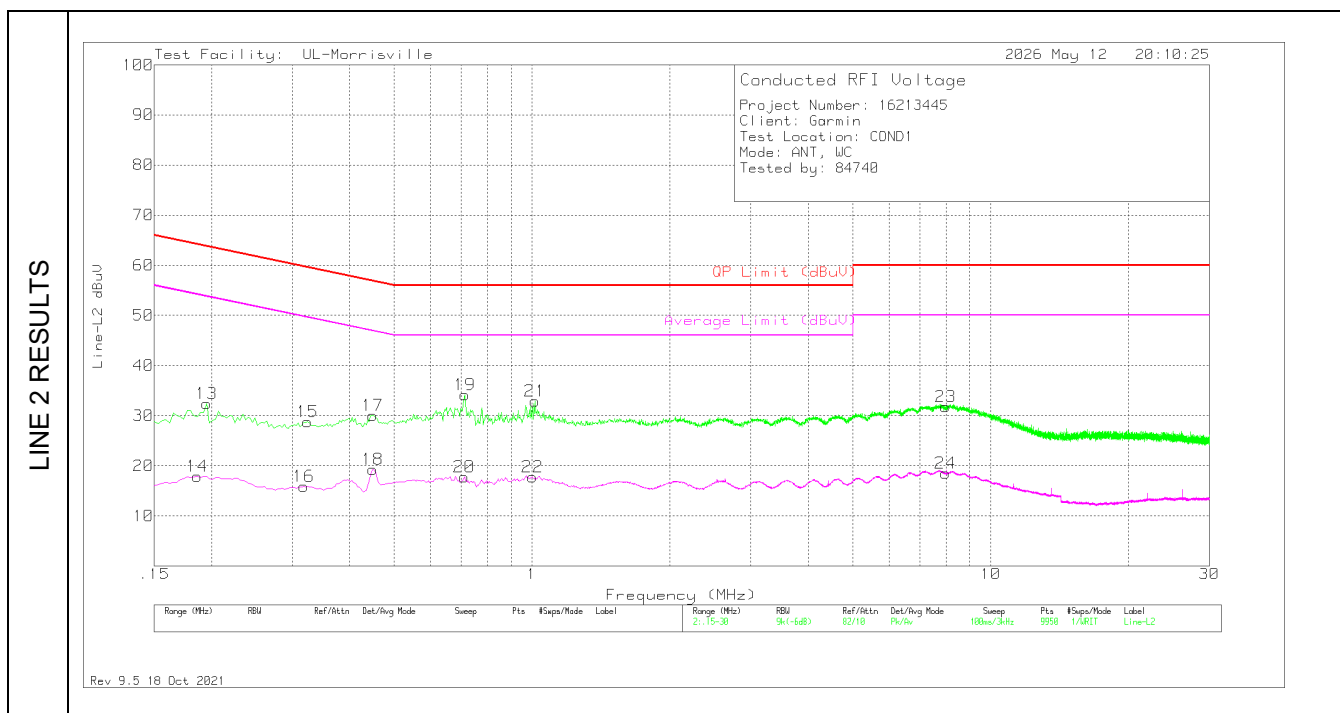
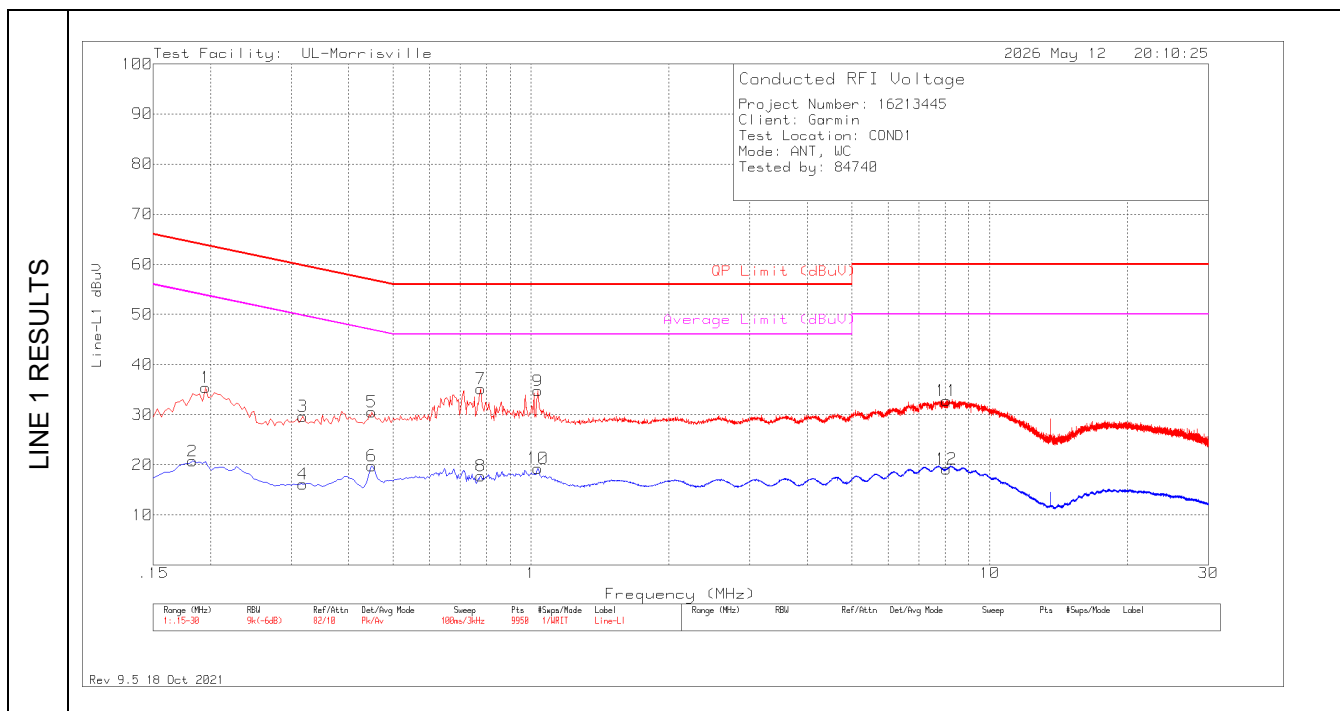
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

11.1. ANT/ANT+



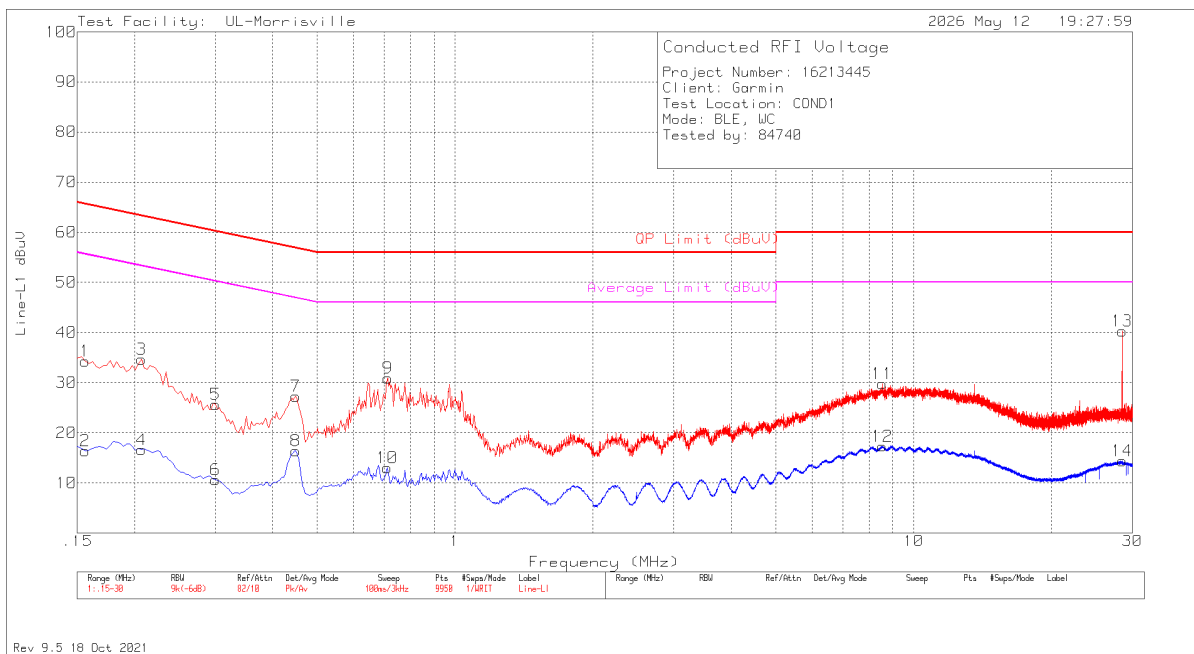
Line	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	1	.195	25.45	Pk	.2	9.8	35.45	63.82	-28.37	-	-
	2	.183	10.71	Av	.2	9.8	20.71	-	-	54.35	-33.64
	3	.318	19.8	Pk	.1	9.8	29.7	59.76	-30.06	-	-
	4	.318	6.25	Av	.1	9.8	16.15	-	-	49.76	-33.61
	5	.45	20.69	Pk	0	9.8	30.49	56.88	-26.39	-	-
	6	.45	9.95	Av	0	9.8	19.75	-	-	46.88	-27.13
	7	.777	25.37	Pk	0	9.8	35.17	56	-20.83	-	-
	8	.777	7.96	Av	0	9.8	17.76	-	-	46	-28.24
	9	1.035	24.93	Pk	0	9.8	34.73	56	-21.27	-	-
	10	1.035	9.46	Av	0	9.8	19.26	-	-	46	-26.74
	11	8.055	22.73	Pk	.1	10	32.83	60	-27.17	-	-
	12	8.055	9.02	Av	.1	10	19.12	-	-	50	-30.88
2	13	.195	22.42	Pk	.2	9.8	32.42	63.82	-31.4	-	-
	14	.186	7.94	Av	.2	9.8	17.94	-	-	54.21	-36.27
	15	.324	18.91	Pk	.1	9.8	28.81	59.6	-30.79	-	-
	16	.318	6.02	Av	.1	9.8	15.92	-	-	49.76	-33.84
	17	.45	20.28	Pk	0	9.8	30.08	56.88	-26.8	-	-
	18	.45	9.44	Av	0	9.8	19.24	-	-	46.88	-27.64
	19	.714	24.39	Pk	0	9.8	34.19	56	-21.81	-	-
	20	.711	7.94	Av	0	9.8	17.74	-	-	46	-28.26
	21	1.014	23.13	Pk	0	9.8	32.93	56	-23.07	-	-
	22	1.002	8	Av	0	9.8	17.8	-	-	46	-28.2
	23	7.986	21.78	Pk	0	10	31.78	60	-28.22	-	-
	24	7.971	8.49	Av	0	10	18.49	-	-	50	-31.51

Pk - Peak detector

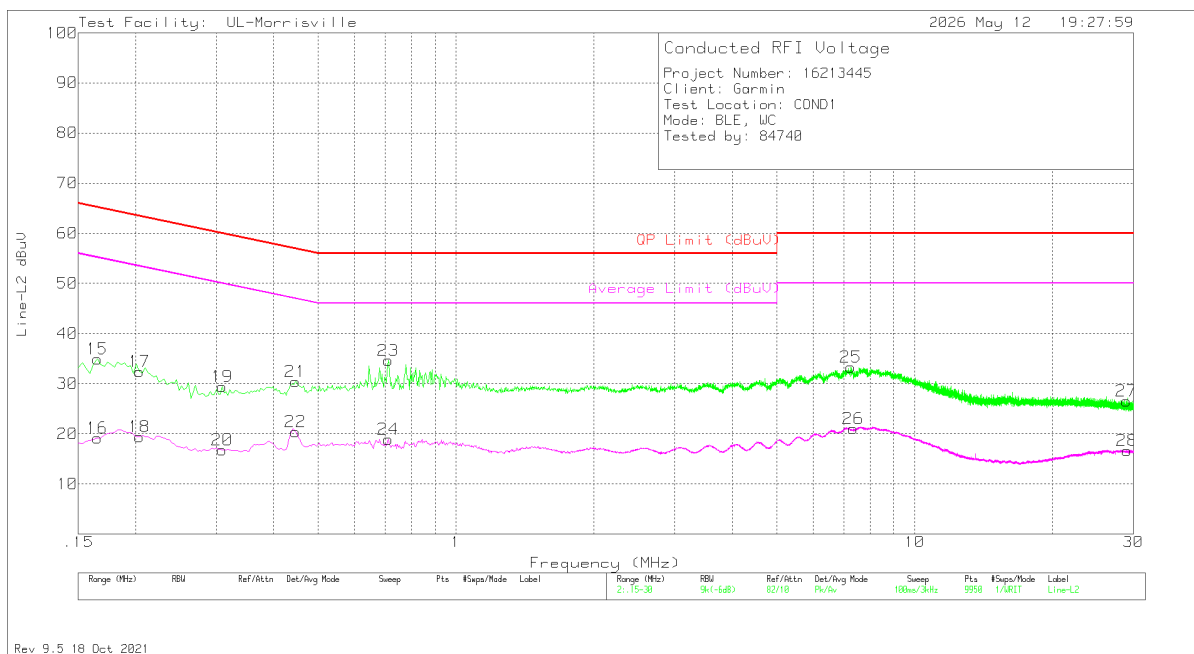
Av - Average detection

11.2. BLE

LINE 1 RESULTS



LINE 2 RESULTS



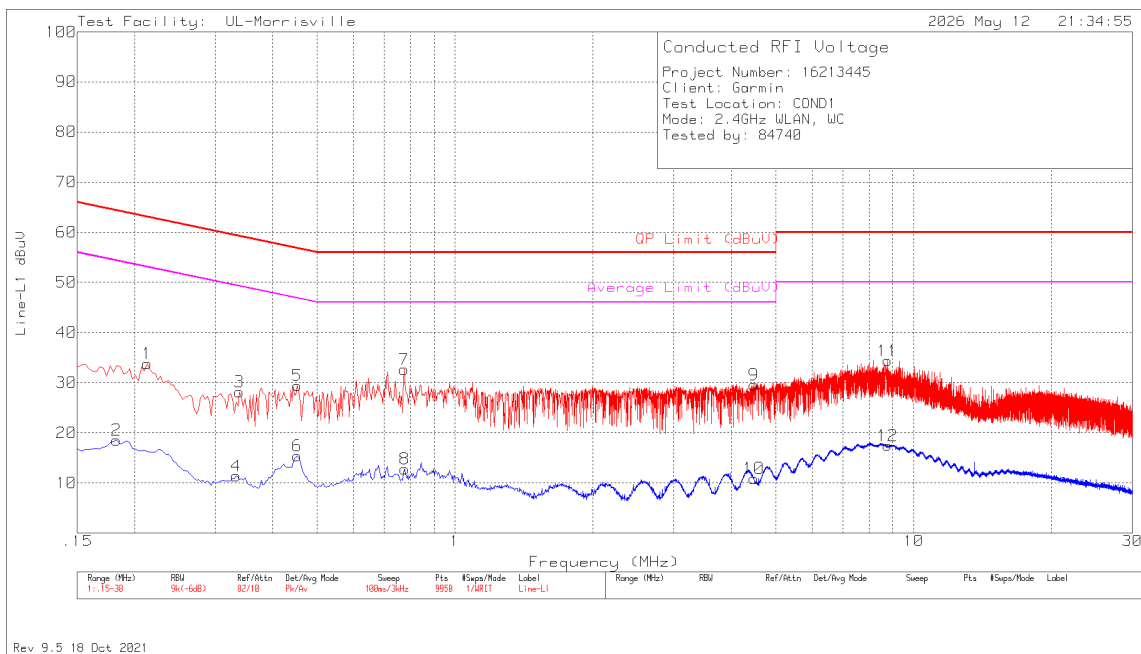
Line	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	1	.156	24.31	Pk	.2	9.8	34.31	65.67	-31.36	-	-
	2	.156	6.36	Av	.2	9.8	16.36	-	-	55.67	-39.31
	3	.207	24.79	Pk	.1	9.8	34.69	63.32	-28.63	-	-
	4	.207	6.68	Av	.1	9.8	16.58	-	-	53.32	-36.74
	5	.3	15.8	Pk	.1	9.8	25.7	60.24	-34.54	-	-
	6	.3	.75	Av	.1	9.8	10.65	-	-	50.24	-39.59
	7	.45	17.47	Pk	0	9.8	27.27	56.88	-29.61	-	-
	8	.45	6.62	Av	0	9.8	16.42	-	-	46.88	-30.46
	9	.714	21.16	Pk	0	9.8	30.96	56	-25.04	-	-
	10	.711	3.25	Av	0	9.8	13.05	-	-	46	-32.95
	11	8.541	19.64	Pk	.1	10	29.74	60	-30.26	-	-
	12	8.535	7.22	Av	.1	10	17.32	-	-	50	-32.68
	13	28.479	29.85	Pk	.3	10.2	40.35	60	-19.65	-	-
	14	28.479	3.84	Av	.3	10.2	14.34	-	-	50	-35.66
2	15	.165	24.96	Pk	.2	9.8	34.96	65.21	-30.25	-	-
	16	.165	9.14	Av	.2	9.8	19.14	-	-	55.21	-36.07
	17	.204	22.52	Pk	.1	9.8	32.42	63.45	-31.03	-	-
	18	.204	9.5	Av	.1	9.8	19.4	-	-	53.45	-34.05
	19	.309	19.5	Pk	.1	9.8	29.4	60	-30.6	-	-
	20	.309	6.87	Av	.1	9.8	16.77	-	-	50	-33.23
	21	.447	20.65	Pk	0	9.8	30.45	56.93	-26.48	-	-
	22	.447	10.63	Av	0	9.8	20.43	-	-	46.93	-26.5
	23	.711	24.81	Pk	0	9.8	34.61	56	-21.39	-	-
	24	.711	9.09	Av	0	9.8	18.89	-	-	46	-27.11
	25	7.266	23.33	Pk	0	10	33.33	60	-26.67	-	-
	26	7.356	11.01	Av	0	10	21.01	-	-	50	-28.99
	27	28.995	16.08	Pk	.3	10.2	26.58	60	-33.42	-	-
	28	29.079	6.15	Av	.3	10.2	16.65	-	-	50	-33.35

Pk - Peak detector

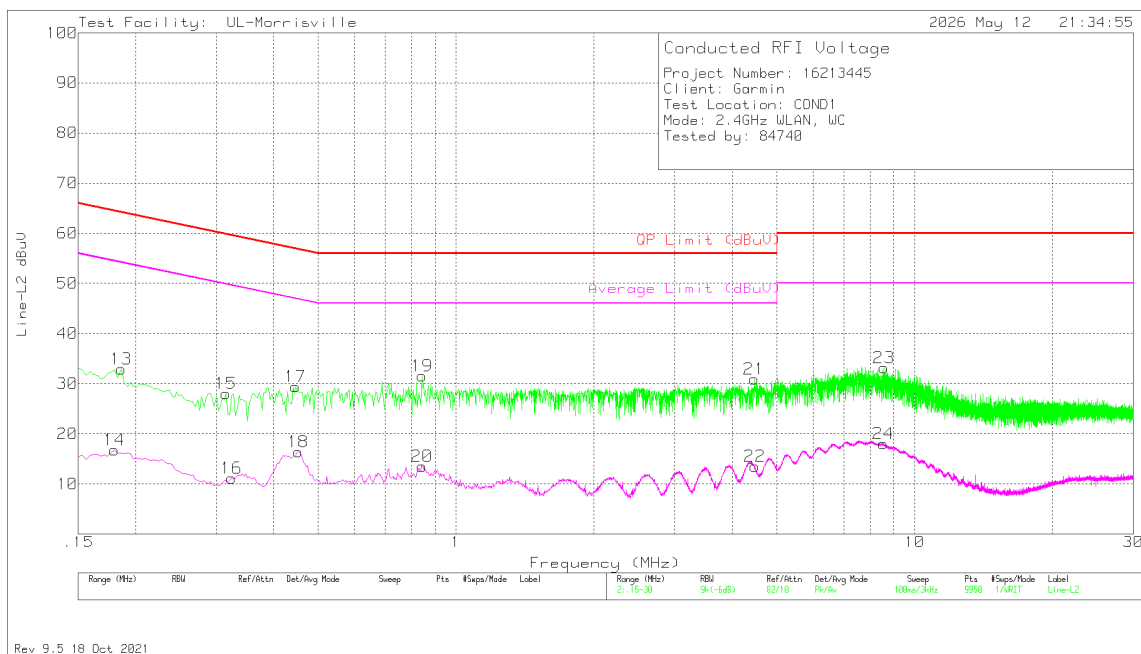
Av - Average detection

11.3. 2.4GHz WLAN

LINE 1 RESULTS



LINE 2 RESULTS



Line	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	1	.213	23.92	Pk	.1	9.8	33.82	63.09	-29.27	-	-
	2	.183	8.47	Av	.2	9.8	18.47	-	-	54.35	-35.88
	3	.339	18.27	Pk	.1	9.8	28.17	59.23	-31.06	-	-
	4	.333	1.43	Av	.1	9.8	11.33	-	-	49.38	-38.05
	5	.453	19.59	Pk	0	9.8	29.39	56.82	-27.43	-	-
	6	.453	5.63	Av	0	9.8	15.43	-	-	46.82	-31.39
	7	.774	22.81	Pk	0	9.8	32.61	56	-23.39	-	-
	8	.777	3	Av	0	9.8	12.8	-	-	46	-33.2
	9	4.482	19.66	Pk	0	9.9	29.56	56	-26.44	-	-
	10	4.482	.95	Av	0	9.9	10.85	-	-	46	-35.15
	11	8.778	24.26	Pk	.1	10	34.36	60	-25.64	-	-
	12	8.778	7.35	Av	.1	10	17.45	-	-	50	-32.55
2	13	.186	22.96	Pk	.2	9.8	32.96	64.21	-31.25	-	-
	14	.18	6.79	Av	.2	9.8	16.79	-	-	54.49	-37.7
	15	.315	18.1	Pk	.1	9.8	28	59.84	-31.84	-	-
	16	.324	1.23	Av	.1	9.8	11.13	-	-	49.6	-38.47
	17	.447	19.61	Pk	0	9.8	29.41	56.93	-27.52	-	-
	18	.453	6.63	Av	0	9.8	16.43	-	-	46.82	-30.39
	19	.843	21.74	Pk	0	9.8	31.54	56	-24.46	-	-
	20	.843	3.71	Av	0	9.8	13.51	-	-	46	-32.49
	21	4.473	20.99	Pk	0	9.9	30.89	56	-25.11	-	-
	22	4.482	3.63	Av	0	9.9	13.53	-	-	46	-32.47
	23	8.568	23.05	Pk	.1	10	33.15	60	-26.85	-	-
	24	8.553	7.91	Av	.1	10	18.01	-	-	50	-31.99

Pk - Peak detector

Av - Average detection

12. SETUP PHOTOS

Please refer to R16213445-EP1 for setup photos

END OF TEST REPORT