

TEST REPORT

Report Number: 16025792-E4V2

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

Model : A05116

Brand : Garmin

FCC ID : IPH-05116

IC : 1792A-05116

EUT Description : Portable 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:
2026-01-09

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2026-01-07	Initial issue	---
V2	2026-01-09	Updated Section 6.1 and 9.3	Tina Chu

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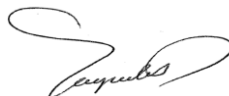
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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	Garmin International Inc. 1200 East 151 st Street Olathe, KS 66062-3426, USA
Model	A05116
Brand	Garmin
FCC ID	IPH-05116
IC	1792A-05116
EUT Description	Portable Digital Transceiver
Serial Number	3522388213 (Radiated); 3522388124 (Conducted)
Sample Receipt Date	2025-10-17
Date Tested	2025-10-17 to 2025-10-30, 2026-01-09
Applicable Standards	FCC 47 CFR Part 15 Subpart C ISED RSS-247 Issue 4 ISED RSS-GEN Issue 5 + A1 + A2
Test Results	COMPLIES
UL Verification Services Inc. 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 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 Verification Services Inc., and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.	
Approved & Released By:	Prepared & Reviewed By:
	
Francisco de Anda Staff Engineer UL Verification Services, Inc.	Vien Tran Senior Lab Engineer UL Verification Services, Inc.

2. TEST RESULTS SUMMARY

This report contains data provided by the customer, which can impact the validity of the results. UL Verification Services Inc. is only responsible for correctly integrating customer-provided data with measurements performed by UL Verification Services Inc.

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

1. Antenna gain and type (see section 6.3)
2. Cable loss (see section 6.3)

Requirement Description	Requirement Clause Number (FCC)	Requirement Clause Number (ISED)	Result
Duty Cycle	-	-	Reporting purposes only
99% OBW	-	RSS-GEN 6.7	Complies
6dB BW	15.247 (a) (2)	RSS-247 6.3.1 (a)	Complies
Output Power	15.247 (b) (3)	RSS-247 6.3.2	Complies
PSD	15.247 (e)	RSS-247 6.3.1 (b)	Complies
Conducted Spurious Emissions	15.247 (d)	RSS-247 6.6	Complies
Radiated Emissions	15.209, 15.205	RSS-GEN 8.9, 8.10	Complies
AC Mains Conducted Emissions	15.207	RSS-Gen 8.8	Not applicable. EUT is powered by battery/DC power supply

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with;

- ANSI C63.10-2020 (FCC)
- ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+ Errata to C63.10a-2024 (ISED)
- FCC 47 CFR Part 2
- FCC 47 CFR Part 15C
- KDB 558074 D01 15.247 Meas Guidance
- KDB 414788 D01 Radiated Test Site
- RSS-GEN Issue 5 + A1 + A2
- RSS-247 Issue 4

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, 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 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☐	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☐	Building 3: 843 Auburn Court, Fremont, CA 94538 USA			
☒	Building 4: 47658 Kato Rd, Fremont, CA 94538 USA			
☐	Building 5: 47670 Kato Rd, Fremont, CA 94538 USA			

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 regularly, with a maximum time between calibrations of one year or the manufacturer's 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	U _{LAB}
Conducted Antenna Port Emission Measurement	1.94 dB
Power Spectral Density	2.466 dB
Time Domain Measurements Using SA	3.39 %
RF Power Measurement Direct Method Using a Power Meter	0.45 dB (Ave), 1.30 dB Peak)
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22 %
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB

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

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 dBuV + 0 dB + 10.1 dB + 0 dB = 46.6 dBuV

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is a Portable Digital Transceiver.

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum peak conducted output power as follows:

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
1Tx			
2412 - 2462	802.11b	20.44	110.66
	802.11g	25.01	316.96
	802.11n HT20	25.06	320.63

6.3. DESCRIPTION OF AVAILABLE ANTENNAS AND CABLE LOSS

The antenna(s) gain and type, as provided by the manufacturer, are as follows:

The radio utilizes a PIFA antenna with a maximum gain of 1.40 dBi and 0.71 dB cable loss

The cables were used for RF antenna port tests that had been offset to the test equipment during testing.

6.4. SOFTWARE AND FIRMWARE

The EUT firmware and software installed during testing versions 0.74.

6.5. WORST-CASE CONFIGURATION AND MODE

Radiated emissions below 1GHz and above 18GHz were performed with the EUT set to transmit at the channel with the highest output power as a worst-case scenario.

Band edge and radiated emissions between 1GHz and 18GHz were performed with the EUT set to transmit at the highest power on low, middle, and high channels.

EUT was investigated in three orthogonal orientations: X (Flatbed), Y (Landscape), and Z (Portrait). The Z (Portrait) is the worst-case orientation. The full tests of the EUT have been made upon Z (Portrait) orientation. After investigation, the worst configuration set for all radiated tests is with EUT powered by an internal battery and the USB-C port is terminated by a laptop via USB cable.

Worst data rates provided by the manufacturer as follows:

802.11b mode: 1 Mbps

802.11g mode: 6 Mbps

802.11n HT20 mode: MCS0

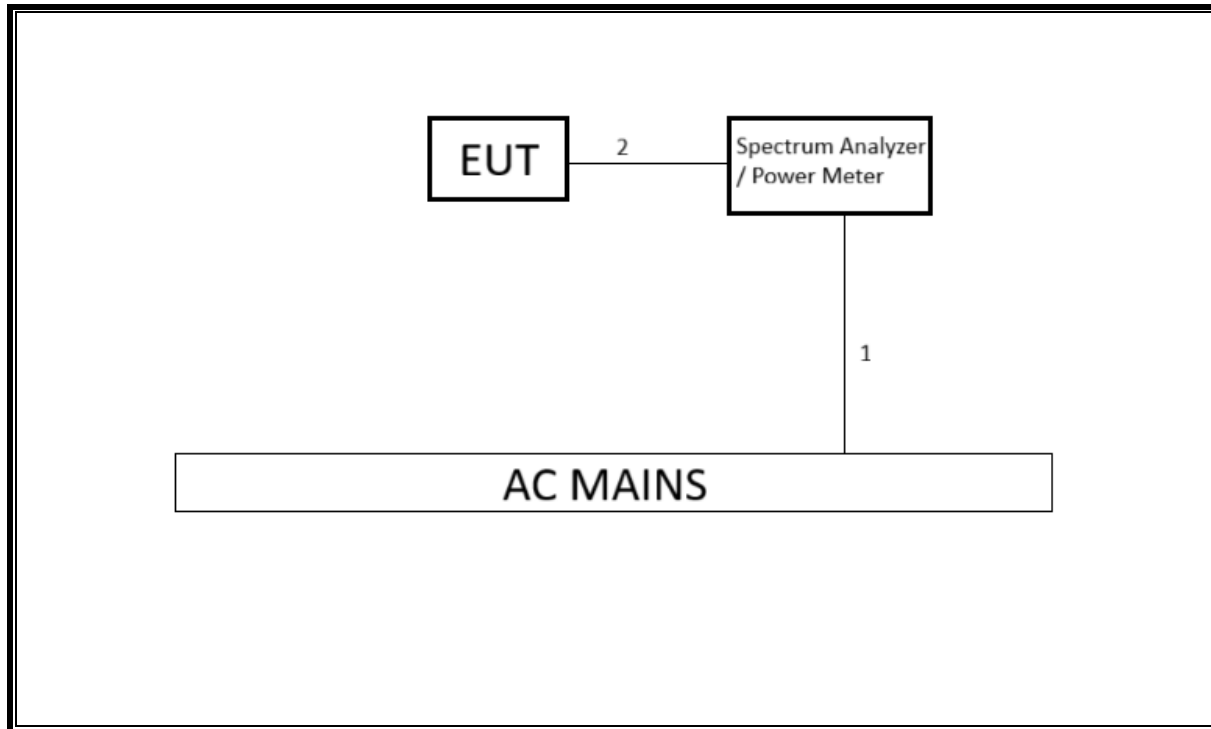
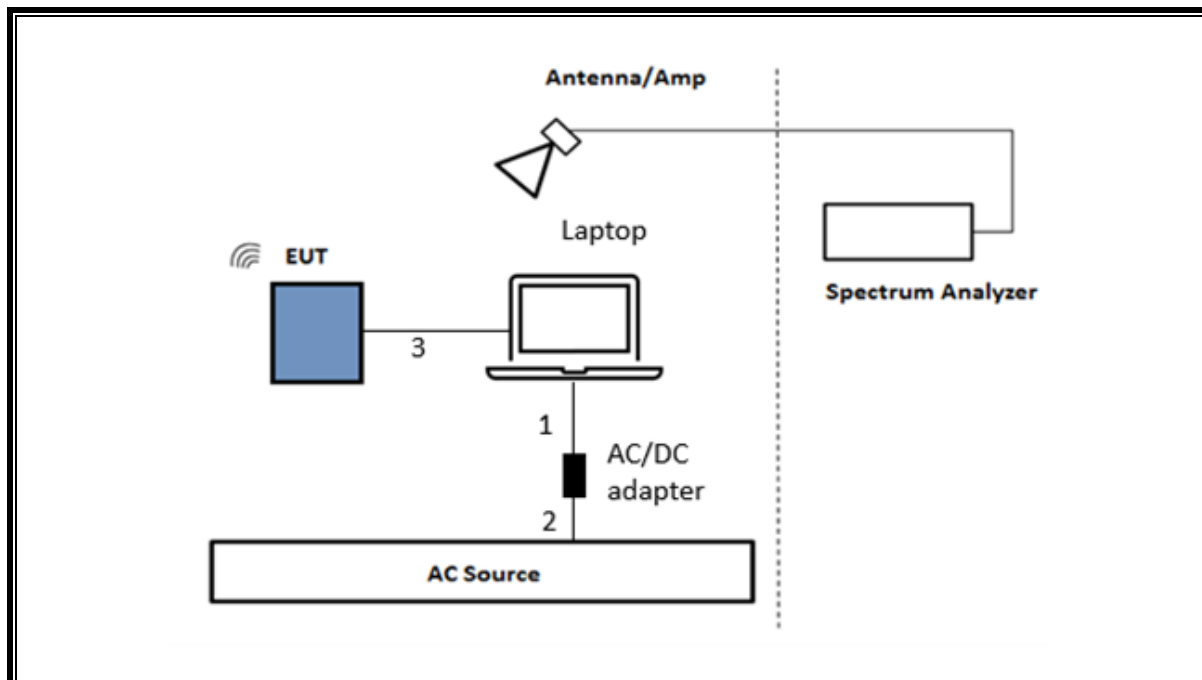
Plots included in the report are representative of the method and settings parameters used for the test.

6.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
Laptop		Lenovo	T14	PF4BYGWJ		DOC
Laptop AC/DC adapter		Lenovo	ADLX65YLC2A	8SSA10M13948L1CZ8CJ0EA6		DOC
I/O CABLES (RF CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	1	3-prongs	Un-Shielded	1.8	AC Mains to Analyzer/Power Meter
2	Antenna	1	SMA	Shielded	0.1	Analyzer/Power Meter to EUT
I/O CABLES (RF RADIATED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC	1	DC	Shielded	1.8	AC/DC Adapter to Laptop
2	AC	1	2-prongs	Unshielded	1.8	AC Mains to AC/DC Adapter
3	USB	1	USB-C	Shielded	1	Laptop to EUT

TEST SETUP

The EUT setup is shown below. Test software exercised the radio card.

SETUP DIAGRAM FOR CONDUCTED TESTS**SETUP DIAGRAM FOR RADIATED TESTS**

7. MEASUREMENT METHOD

Test Item	Test Method
On Time and Duty Cycle	ANSI C63.10 Section 11.6
6 dB BW	ANSI C63.10 Subclause -11.8.1 RBW $\geq$ DTS BW
99% BW	ANSI C63.10, Subclause 6.9.3.
Conducted Output Power	ANSI C63.10 Subclause -11.9.2.3.2 Method AVGPM G (Measurement using an RF average-reading power meter), 11.9.1.2 Method PKPM1 Peak-reading power meters
Power Spectral Density	ANSI C63.10 Subclause -11.10.2 Method PKPSD (peak PSD)
Radiated emissions non-restricted frequency bands	ANSI C63.10 Subclause -11.11
Radiated emissions restricted frequency bands	ANSI C63.10 Subclause -11.12.1
Conducted emissions in restricted frequency bands	ANSI C63.10 Subclause -11.12.2
Band-edge	ANSI C63.10 Subclause -11.12.2.4: Peak Measurement
Band-edge	ANSI C63.10 Subclause -11.12.2.5: Average Measurement
Radiated Spurious Emissions Below 30MHz	ANSI C63.10 Subclause 6.4

8. TEST AND MEASUREMENT EQUIPMENT

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

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	ID Num	Cal Due
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	206808	2027-04-30
RF Filter Box, 1-18GHz	UL-FR1	RATS 1.0, 2 Amp, 8 Port	197920	2026-03-31
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	81140	2027-05-31
Link File, RF Amplifier Assembly, 18-26.5GHz, 60dB Gainr	UL-FR1	AMP18G26.5-60	215705	2026-10-31
EMI Test Receiver	Rohde & Schwarz	ESW44	225688	2026-02-28
Antenna, Passive Loop 100kHz to 30MHz	ELECTRO-METRICS	EM-6872	219910	2026-08-31
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	219908	2026-08-31
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	202329	2027-04-30
Link File, 9KHz-1GHz Port 0 Factors	UL-FR1	Port 0 Factors	213877	2026-03-31
EMI TEST RECEIVER, with B8 option	Rohde & Schwarz	ESW44	245268	2026-02-28
10dB Fixed Attenuator	Pasternack Enterprises	PE7087-10	252765	Verified
Spectrum Analyzer, PXA, 3Hz to 44GHz	N9030A	Keysight Technologies Inc	85214	2026-01-31
Power Meter	Keysight	N1912A	259286	2026-03-31
Wideband Power Sensor	Keysight	N1921A	257703	2026-03-31

UL AUTOMATION SOFTWARE			
Radiated Software	UL	UL EMC	Ver 9.5, 25 Aug 2025
Conducted Software	UL	UL EMC	2024-02-23

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE LIMITS

None; for reporting purposes only.

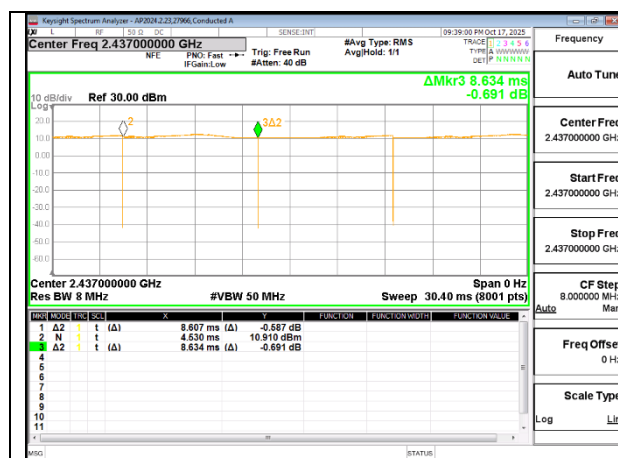
PROCEDURE

ANSI C63.10, Section 11.6: Zero-Span Spectrum Analyzer Method.

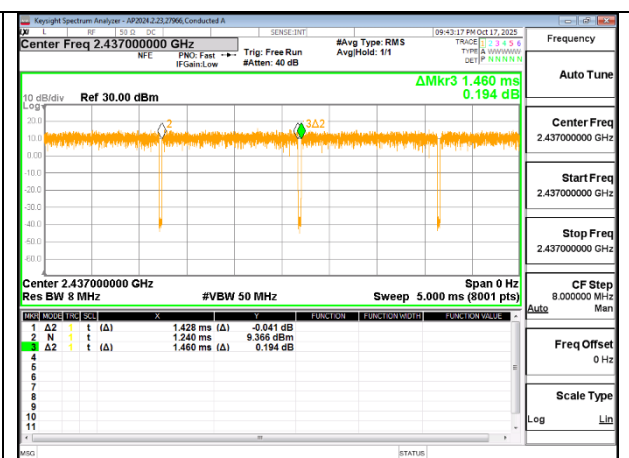
ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time T (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)
b	8.61	8.634	0.9969	99.69	0.00	0.010
g	1.428	1.460	0.9781	97.81	0.10	0.700
HT20	1.336	1.368	0.9766	97.66	0.10	0.749

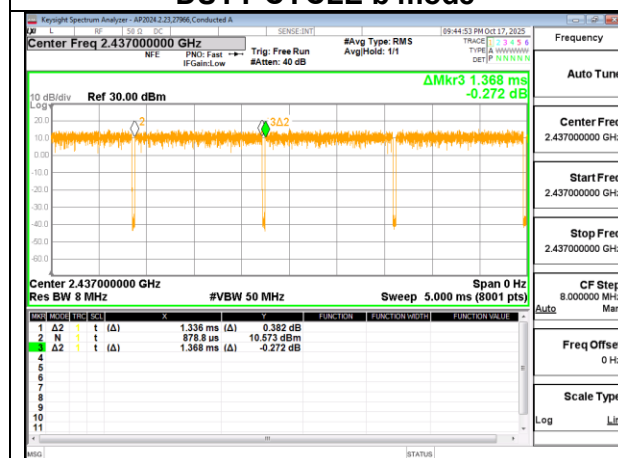
DUTY CYCLE PLOTS



DUTY CYCLE b mode



DUTY CYCLE g mode



DUTY CYCLE HT20 mode

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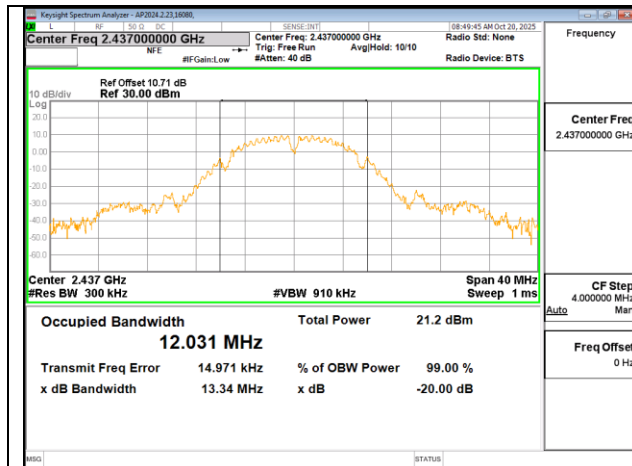
9.2. 99% BANDWIDTH LIMITS

None; for reporting purposes only.

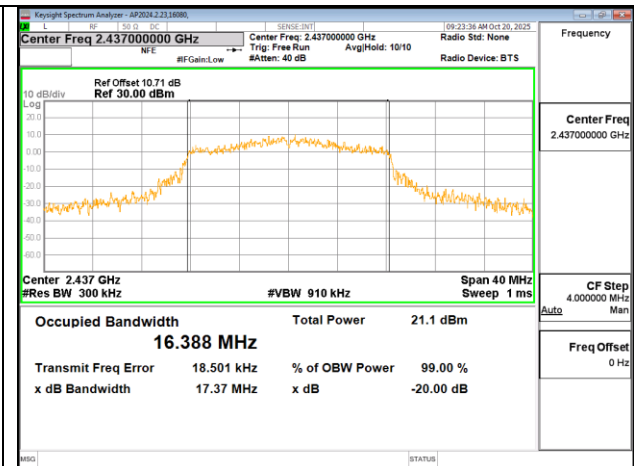
RESULTS

Only the mid-channel plot is reported to show that the setting parameter complies with the testing method/procedure.

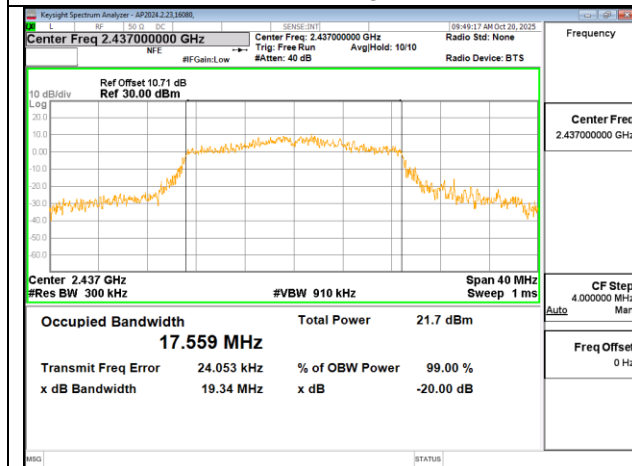
Mode	Frequency (MHz)	Channel Number	99% Bandwidth (MHz)
b	2412	1	12.006
	2437	6	12.031
	2462	11	12.108
g	2412	1	16.607
	2417	2	16.394
	2422	3	16.457
	2437	6	16.388
	2452	9	16.365
	2457	10	16.524
	2462	11	16.701
HT20	2412	1	17.761
	2417	2	17.574
	2422	3	17.672
	2437	6	17.559
	2452	9	17.611
	2457	10	17.586
	2462	11	17.820



b-mode – Mid Channel



g-mode – Mid Channel



HT20-mode – Mid Channel

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9.3. 6dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

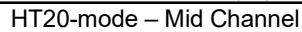
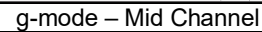
RSS-247 6.3.1 (a)

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

RESULTS

Only the mid-channel plot is reported to show that the setting parameter complies with the testing method/procedure.

Mode (SISO)	Frequency (MHz)	Channel Number	6dB Bandwidth (MHz)
b	2412	1	8.32
	2437	6	8.32
	2462	11	8.76
g	2412	1	15.16
	2417	2	15.32
	2422	3	16.04
	2437	6	16.00
	2452	9	16.08
	2457	10	16.04
	2462	11	15.84
HT20	2412	1	16.60
	2417	2	17.40
	2422	3	17.04
	2437	6	17.48
	2452	9	17.52
	2457	10	17.44
	2462	11	17.00



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9.4. OUTPUT POWER AND POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (b) (3) & (e)

RSS-247 6.3.2 & 6.3.1 (b)

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.

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.

TEST PROCEDURE

Measurements are performed using a wideband RF power meter.

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

DIRECTIONAL ANTENNA GAIN

For 1 TX:

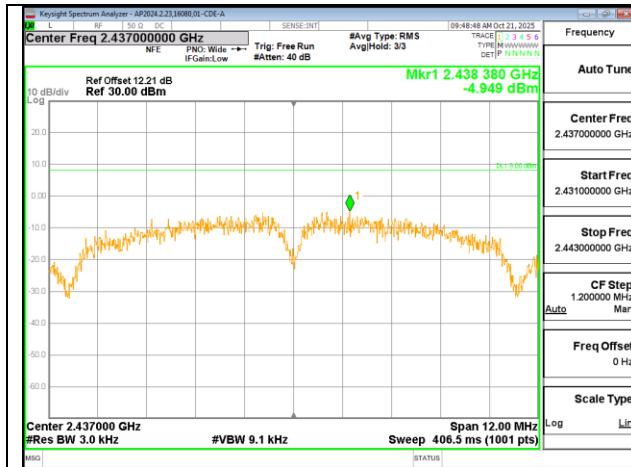
There is only one transmitter output; therefore, the directional gain is equal to the antenna gain of 1.40dBi.

RESULTS

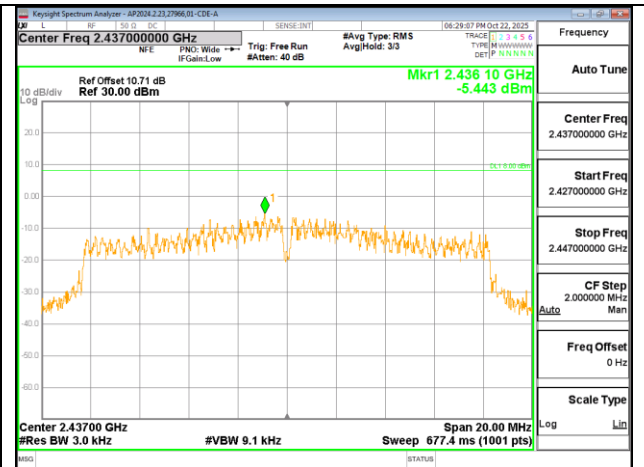
Only the mid-channel plot is reported to show that the setting parameters comply with the testing method/procedure.

Mode	No. of Tx	Channel	Freq (MHz)	Measured Conducted Avg Power (dBm)	Measured Conducted Peak Power (dBm)	Outpower Power Limit (dBm)	Power Margin (dB)	Measured PSD (dBm/3kHz)	*DCCF (dB)	Corrected Total PSD with DCCF (dBm/3kHz)	PSD Limit (dBm/3kHz)	PSD Margin (dB)
b	1Tx	1	2412	17.43	20.44	30.00	-9.56	-3.921	0.00	-3.92	8.00	-11.92
		6	2437	16.29	19.30	30.00	-10.70	-4.949	0.00	-4.95	8.00	-12.95
		11	2462	16.68	19.69	30.00	-10.31	-3.936	0.00	-3.94	8.00	-11.94
g	1Tx	1	2412	13.62	21.77	30.00	-8.23	-8.007	0.00	-8.01	8.00	-16.01
		2	2417	15.76	23.59	30.00	-6.41	-7.381	0.00	-7.38	8.00	-15.38
		3	2422	17.53	24.77	30.00	-5.23	-5.546	0.00	-5.55	8.00	-13.55
		6	2437	17.63	24.97	30.00	-5.03	-5.443	0.00	-5.44	8.00	-13.44
		9	2452	18.01	25.01	30.00	-4.99	-5.651	0.00	-5.65	8.00	-13.65
		10	2457	15.80	24.76	30.00	-5.24	-7.786	0.00	-7.79	8.00	-15.79
		11	2462	12.69	22.32	30.00	-7.68	-9.221	0.00	-9.22	8.00	-17.22
HT20	1Tx	1	2412	13.98	21.44	30.00	-8.56	-8.447	0.00	-8.45	8.00	-16.45
		2	2417	16.14	24.59	30.00	-5.41	-6.860	0.00	-6.86	8.00	-14.86
		3	2422	18.16	24.93	30.00	-5.07	-4.937	0.00	-4.94	8.00	-12.94
		6	2437	18.19	25.00	30.00	-5.00	-4.784	0.00	-4.78	8.00	-12.78
		9	2452	18.33	25.06	30.00	-4.94	-4.582	0.00	-4.58	8.00	-12.58
		10	2457	16.27	24.65	30.00	-5.35	-6.452	0.00	-6.45	8.00	-14.45
		11	2462	14.14	20.89	30.00	-9.11	-7.449	0.00	-7.45	8.00	-15.45

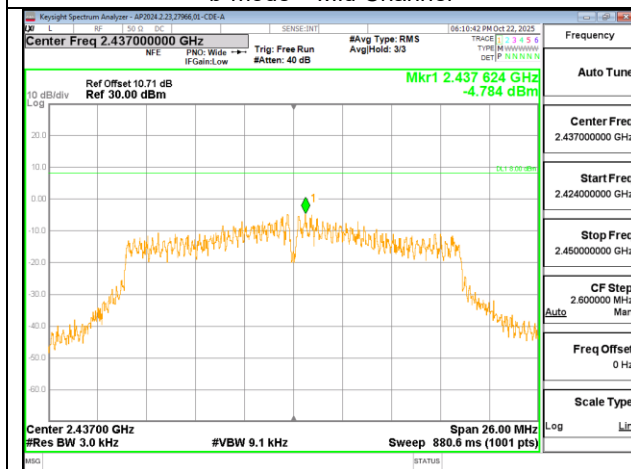
*PSD using Method PKPSD (peak PSD), DCCF=0

PSD PLOT

b-mode – Mid Channel



g-mode – Mid Channel



HT20-mode – Mid Channel

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9.5. CONDUCTED SPURIOUS EMISSIONS

LIMITS

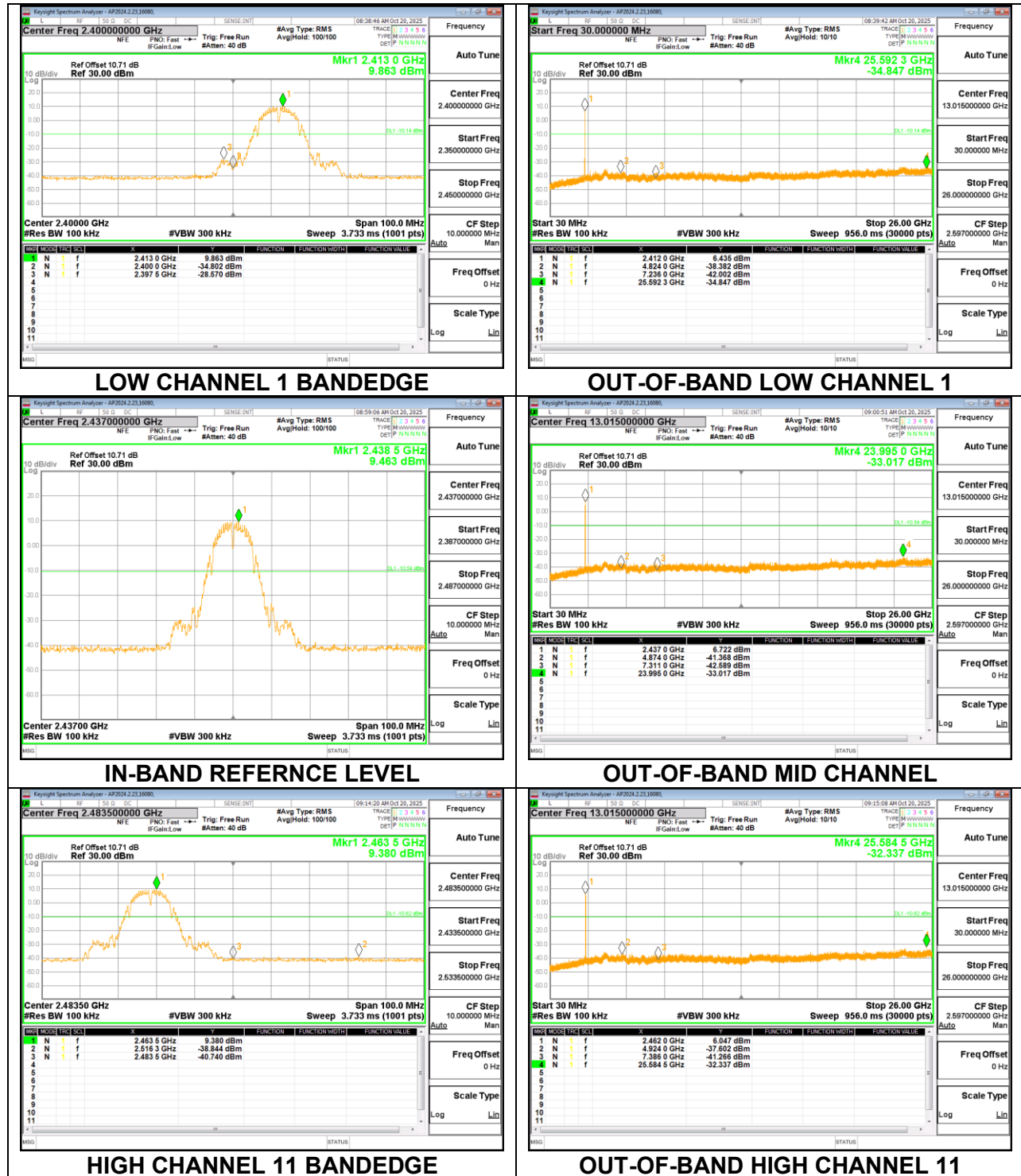
FCC §15.247 (d)

RSS-247 6.6

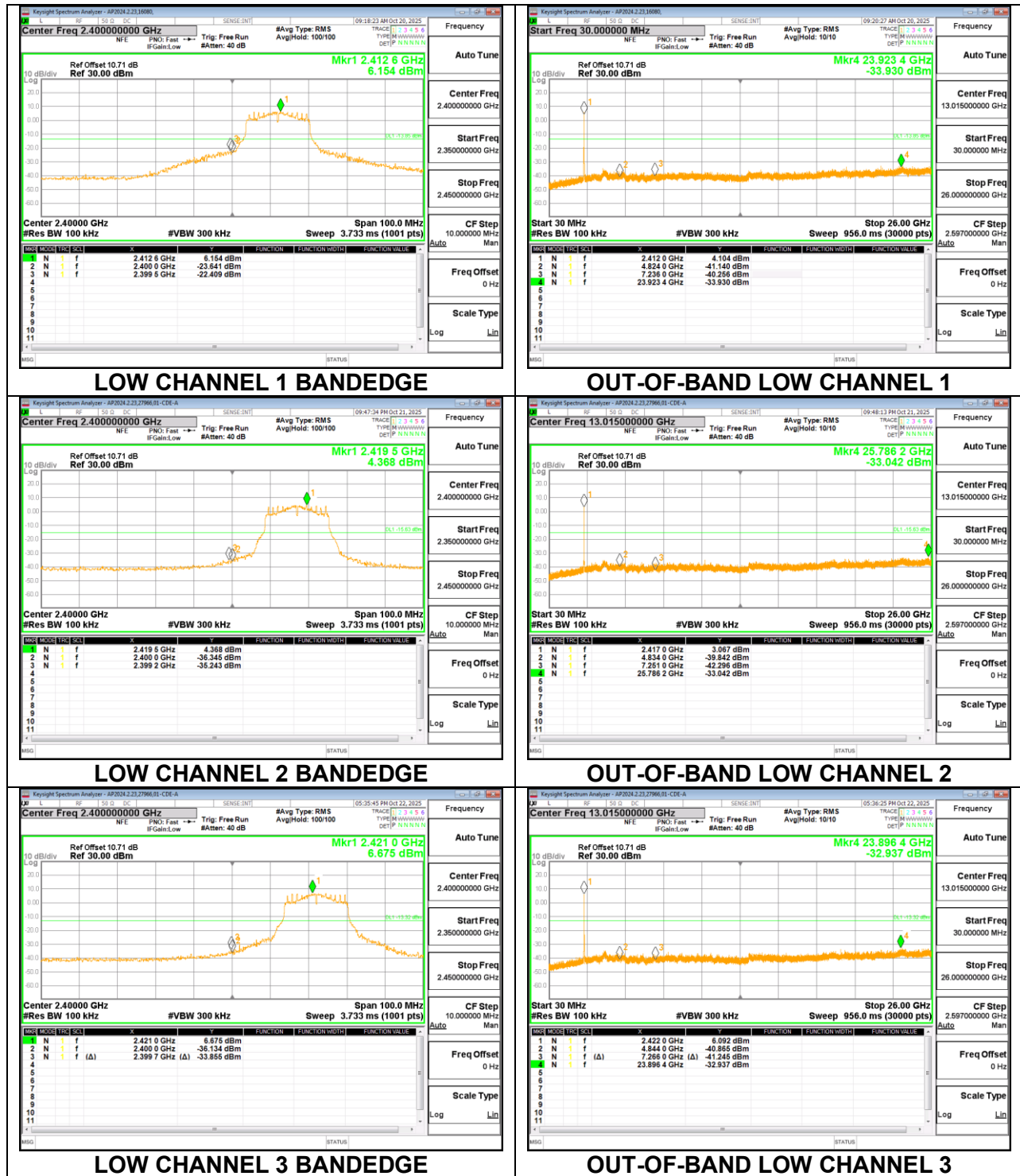
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

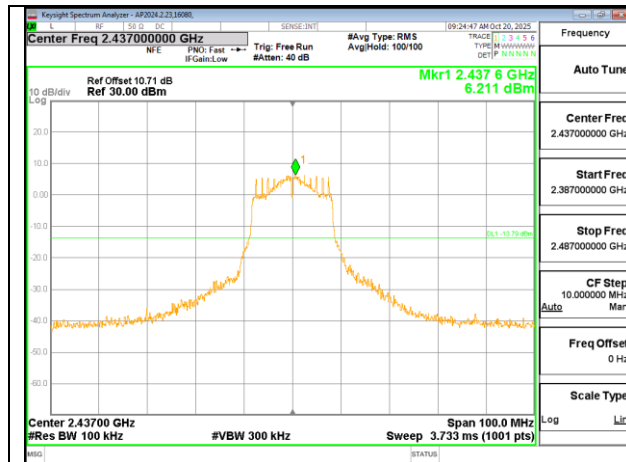
RESULTS

9.5.1. 802.11b MODE

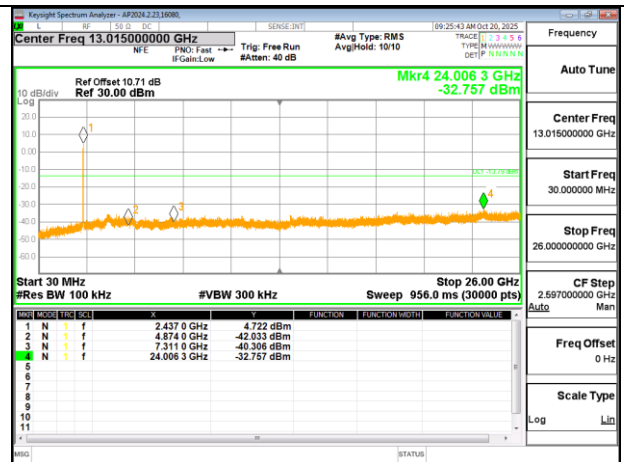


9.5.2. 802.11g MODE

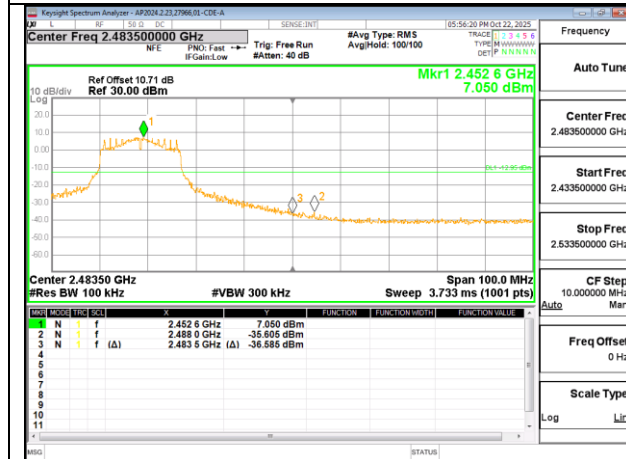




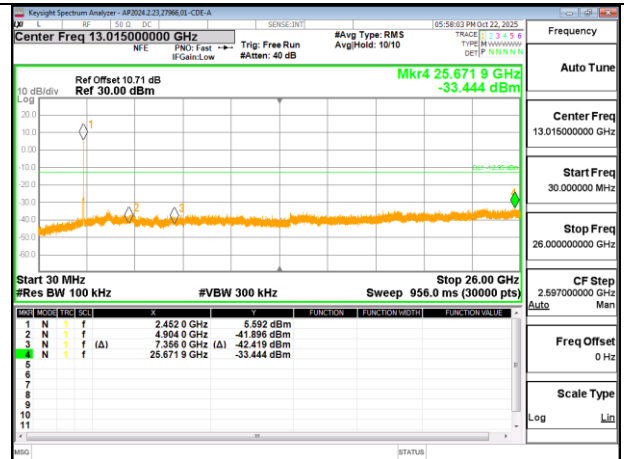
IN-BAND REFERENCE LEVEL



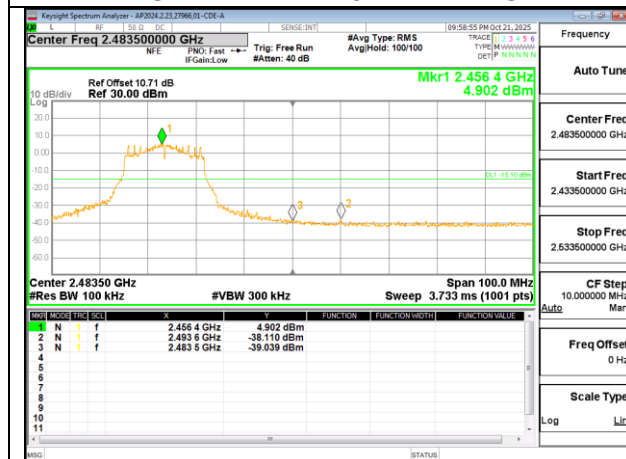
OUT-OF-BAND MID CHANNEL



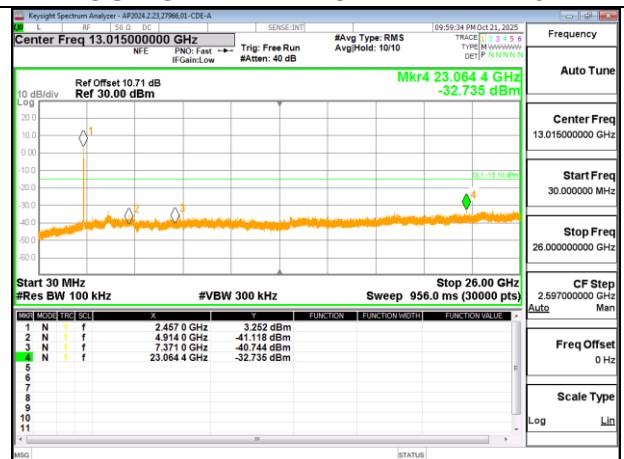
HIGH CHANNEL 9 BANDEDGE



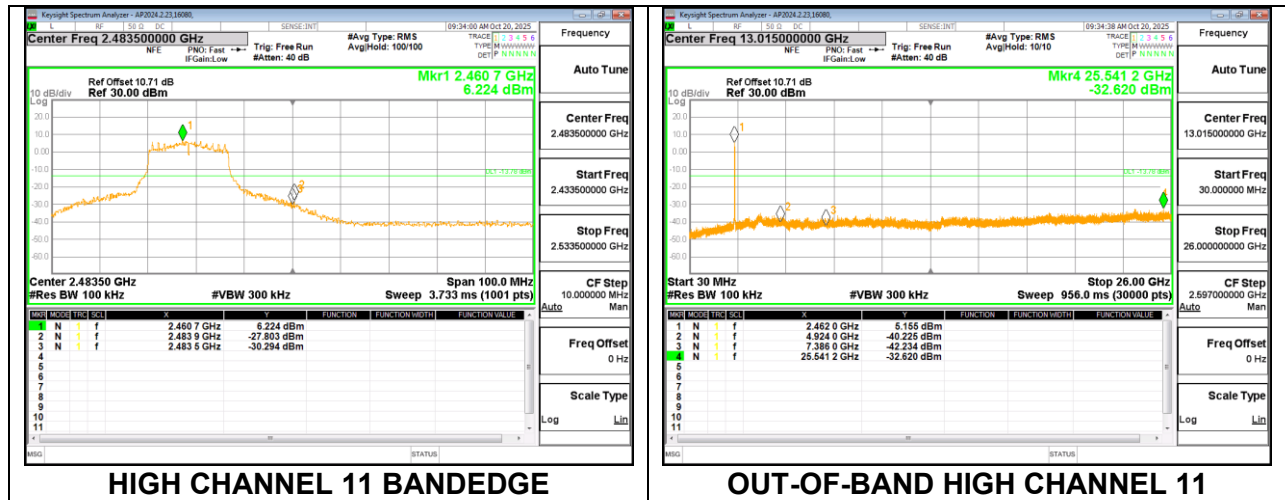
OUT-OF-BAND HIGH CHANNEL 9



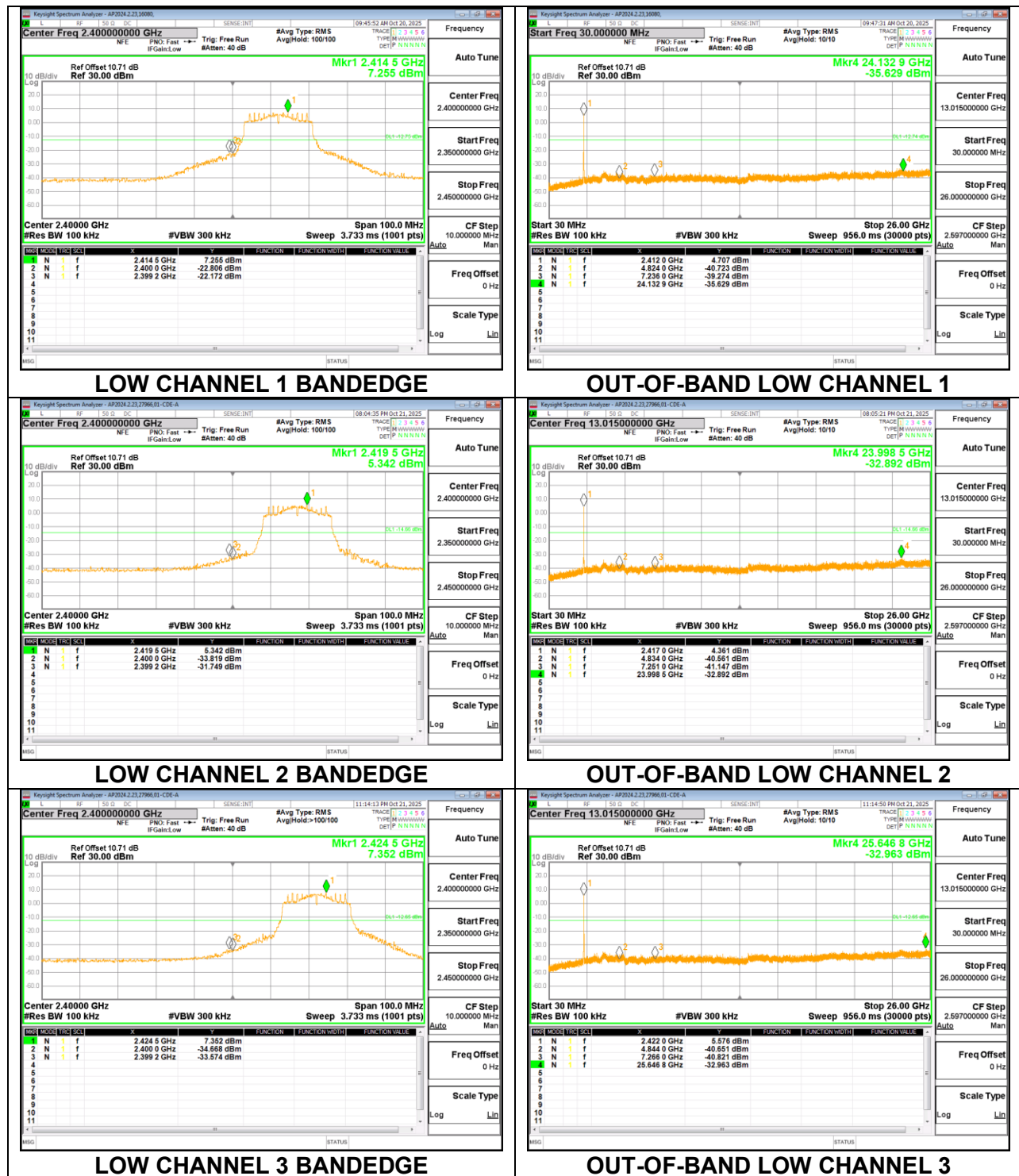
HIGH CHANNEL 10 BANDEDGE

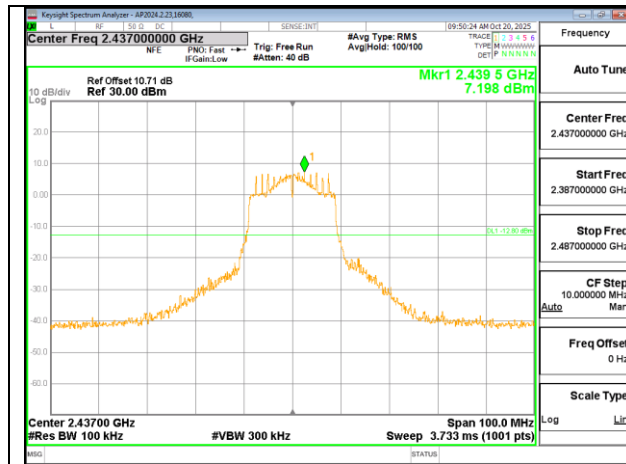


OUT-OF-BAND HIGH CHANNEL 10

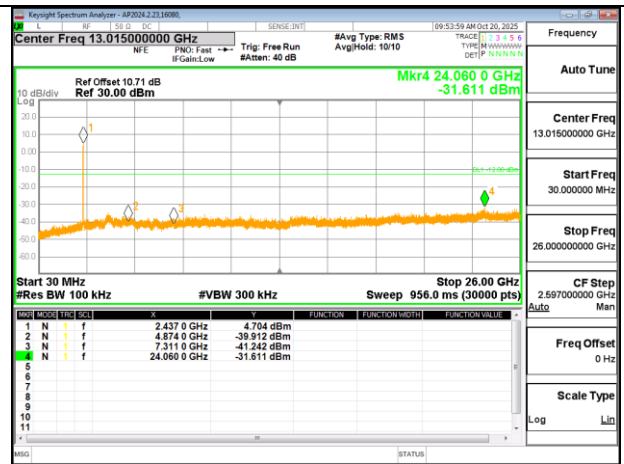


9.5.3. 802.11n HT20 MODE

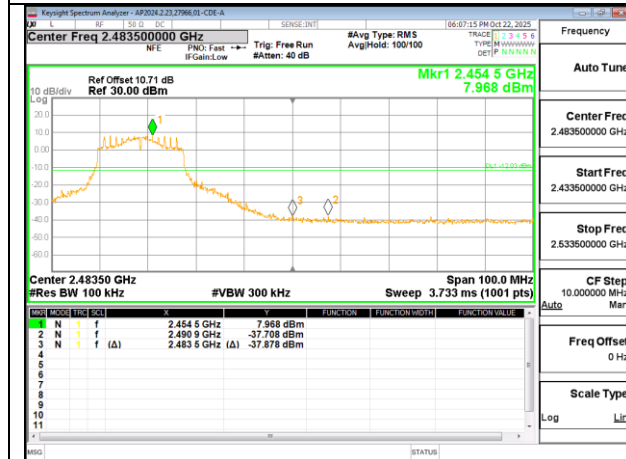




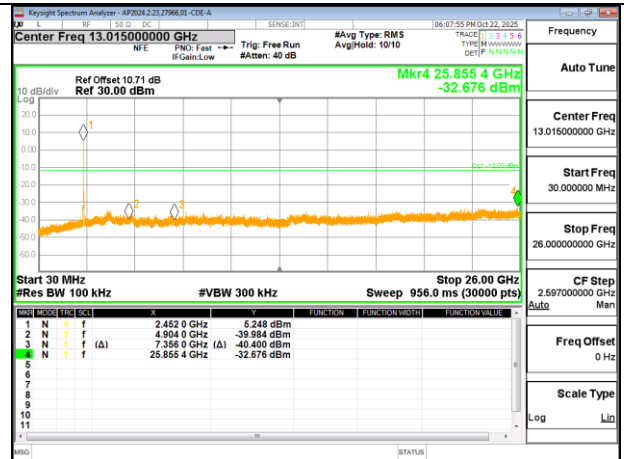
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



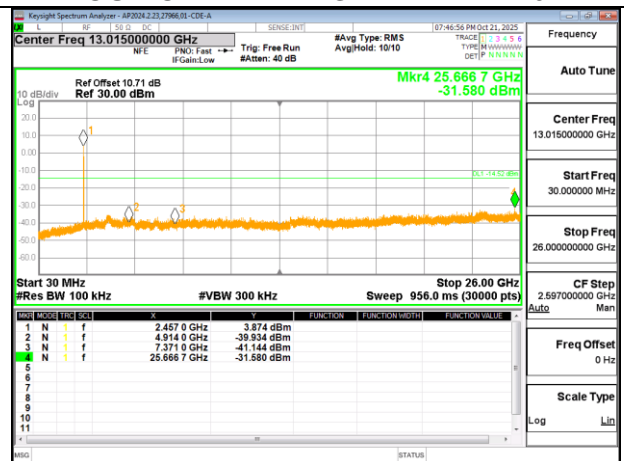
HIGH CHANNEL 9 BANDEDGE



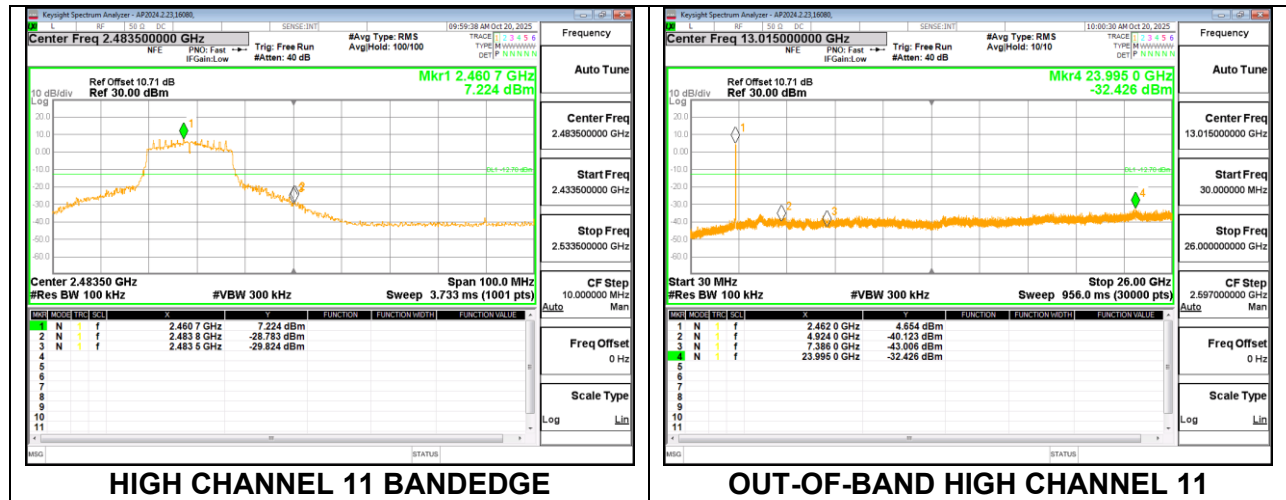
OUT-OF-BAND HIGH CHANNEL 9



HIGH CHANNEL 10 BANDEDGE



OUT-OF-BAND HIGH CHANNEL 10



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209
RSS-GEN, Sections 8.9 and 8.10

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

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. Peak detection is used unless otherwise noted as a quasi-peak.

For pre-scans above 1 GHz, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz 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 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.

For below 30MHz testing, an investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel). Parallel and perpendicular are the worst orientations, therefore, testing was performed on these two orientations only. Blue color trace on plots: Parallel orientation. Green color trace on plots: Perpendicular orientation.

Note: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB to the corresponding RSS-Gen Table 6 limit as the 15.209(a) limit.

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

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.

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

RESULTS

The plots in these sections are for reference settings only for different bandwidths and different antennas.

10.1. TRANSMITTER ABOVE 1 GHz

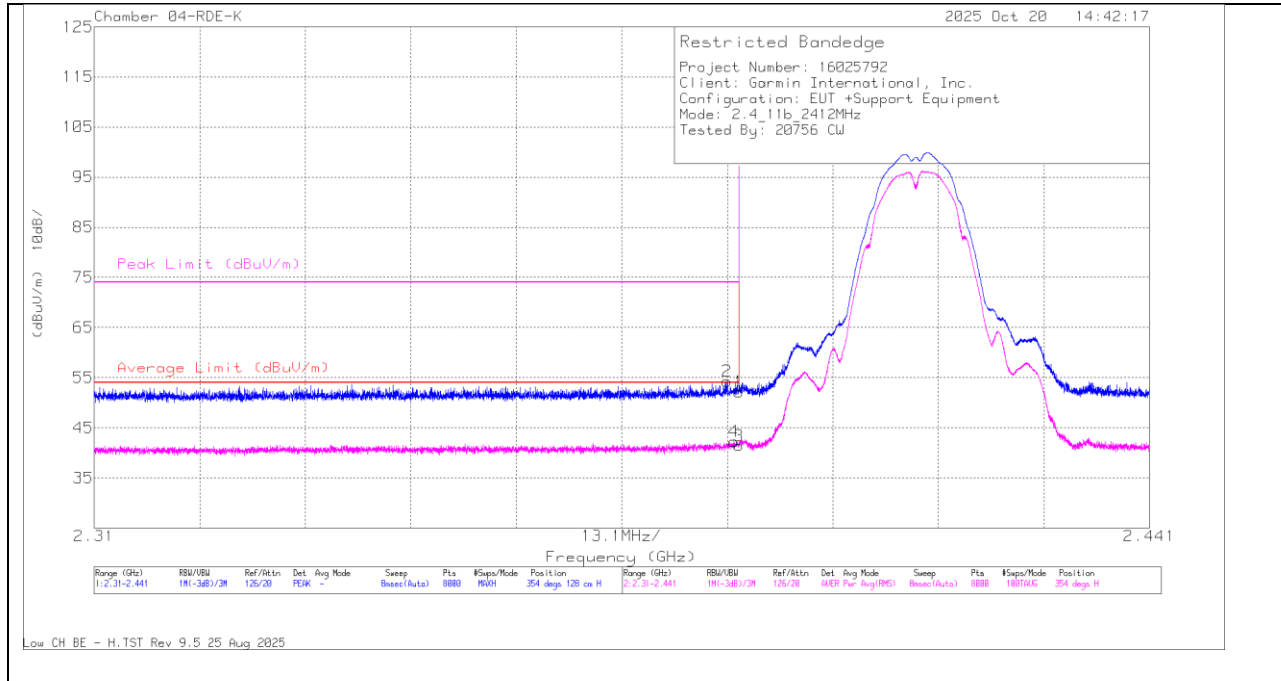
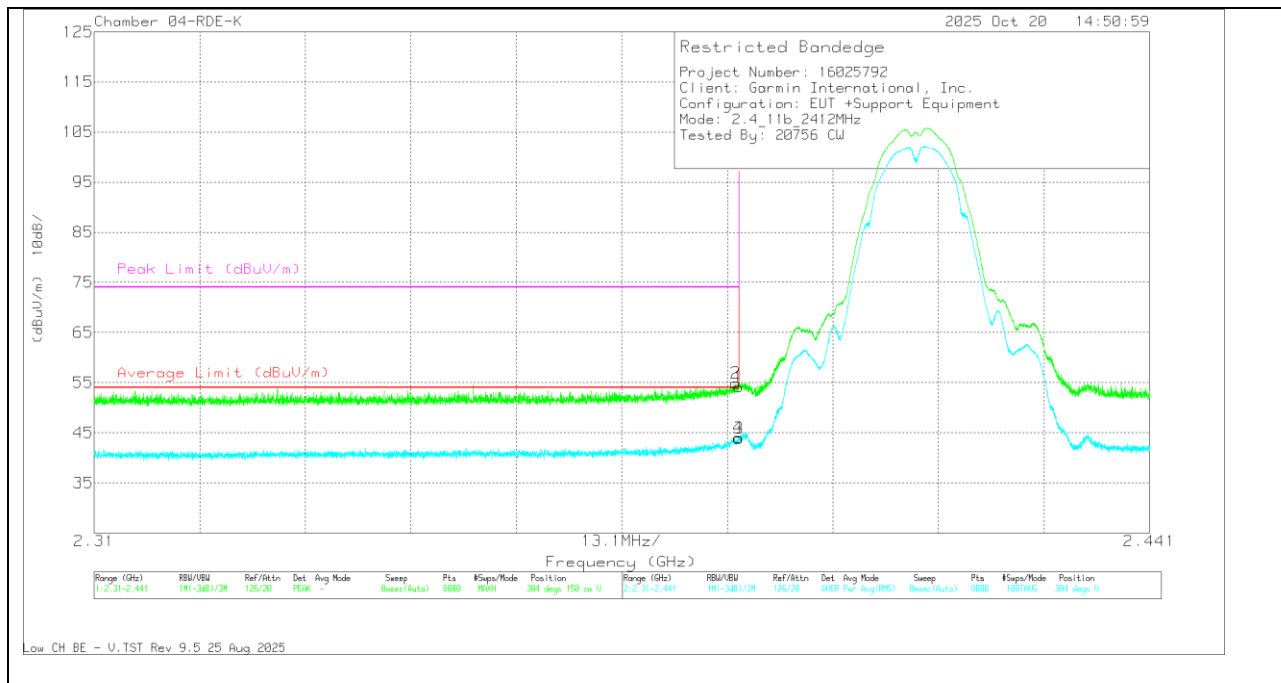
10.1.1. LOW BANDEDGE

DTS (SISO)	Channel Frequency (MHz)	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
b-Mode	2412	* 2.39	54.49	Pk	32.3	0	-34.6	52.19	-	-	74	-21.81	354	128	H
		* 2.388593	56.54	Pk	32.3	0	-34.6	54.24	-	-	74	-19.76	354	128	H
		* 2.39	43.75	RMS	32.3	0	-34.6	41.45	54	-12.55	-	-	354	128	H
		* 2.389445	44.56	RMS	32.3	0	-34.6	42.26	54	-11.74	-	-	354	128	H
		* 2.39	56.46	Pk	32.3	0	-34.6	54.16	-	-	74	-19.84	304	150	V
		* 2.389641	57.2	Pk	32.3	0	-34.6	54.9	-	-	74	-19.1	304	150	V
		* 2.39	46.14	RMS	32.3	0	-34.6	43.84	54	-10.16	-	-	304	150	V
g-Mode	2412	* 2.389953	46.28	RMS	32.3	0	-34.6	43.98	54	-10.02	-	-	304	150	V
		* 2.39	71.61	Pk	32.3	0	-34.6	69.31	-	-	74	-4.69	63	284	H
		* 2.389854	72.25	Pk	32.3	0	-34.6	69.95	-	-	74	-4.05	63	284	H
		* 2.39	53.27	RMS	32.3	0.1	-34.6	51.07	54	-2.93	-	-	63	284	H
		* 2.389772	53.03	RMS	32.3	0.1	-34.6	50.83	54	-3.17	-	-	63	284	H
		* 2.39	69.36	Pk	32.3	0	-34.6	67.06	-	-	74	-6.94	268	313	V
		* 2.389838	70.38	Pk	32.3	0	-34.6	68.08	-	-	74	-5.92	268	313	V
	2417	* 2.39	48.76	RMS	32.3	0.1	-34.6	46.56	54	-7.44	-	-	268	313	V
		* 2.389822	51.26	RMS	32.3	0.1	-34.6	49.06	54	-4.94	-	-	268	313	V
		* 2.39	69.28	Pk	32.3	0	-34.6	66.98	-	-	74	-7.02	166	362	H
		* 2.389232	71.88	Pk	32.3	0	-34.6	69.58	-	-	74	-4.42	166	362	H
		* 2.39	50.85	RMS	32.3	0.1	-34.6	48.65	54	-5.35	-	-	166	362	H
		* 2.389822	53.03	RMS	32.3	0.1	-34.6	50.83	54	-3.17	-	-	166	362	H
		* 2.39	68.62	Pk	32.3	0	-34.6	66.32	-	-	74	-7.68	249	205	V
	2422	* 2.38915	71.93	Pk	32.3	0	-34.6	69.63	-	-	74	-4.37	249	205	V
		* 2.39	52.65	RMS	32.3	0.1	-34.6	50.45	54	-3.55	-	-	249	205	V
		* 2.389969	53.21	RMS	32.3	0.1	-34.6	51.01	54	-2.99	-	-	249	205	V
		* 2.39	67.71	Pk	32.3	0	-34.6	65.41	-	-	74	-8.59	53	251	H
		* 2.389592	68.92	Pk	32.3	0	-34.6	66.62	-	-	74	-7.38	53	251	H
		* 2.39	54.18	RMS	32.3	0.1	-34.6	51.98	54	-2.02	-	-	53	251	H
		* 2.389985	53.75	RMS	32.3	0.1	-34.6	51.55	54	-2.45	-	-	53	251	H
HT20-Mode	2412	* 2.39	66.26	Pk	32.3	0	-34.6	63.96	-	-	74	-10.04	282	273	V
		* 2.389903	67.15	Pk	32.3	0	-34.6	64.85	-	-	74	-9.15	282	273	V
		* 2.39	50.73	RMS	32.3	0.1	-34.6	48.53	54	-5.47	-	-	282	273	V
		* 2.389789	52.36	RMS	32.3	0.1	-34.6	50.16	54	-3.84	-	-	282	273	V
		* 2.39	69.27	Pk	32.3	0	-34.6	66.97	-	-	74	-7.03	64	286	H
		* 2.389969	72.8	Pk	32.3	0	-34.6	70.5	-	-	74	-3.5	64	286	H
		* 2.39	51.18	RMS	32.3	0.1	-34.6	48.98	54	-5.02	-	-	64	286	H
	2417	* 2.389887	51.33	RMS	32.3	0.1	-34.6	49.13	54	-4.87	-	-	64	286	H
		* 2.39	65.86	Pk	32.3	0	-34.6	63.56	-	-	74	-10.44	264	313	V
		* 2.389641	70.2	Pk	32.3	0	-34.6	67.9	-	-	74	-6.1	264	313	V
		* 2.39	48.83	RMS	32.3	0.1	-34.6	46.63	54	-7.37	-	-	264	313	V
		* 2.389134	50	RMS	32.3	0.1	-34.6	47.8	54	-6.2	-	-	264	313	V
		* 2.39	72.73	Pk	32.3	0	-34.6	70.43	-	-	74	-3.57	42	183	H
		* 2.388544	74.7	Pk	32.3	0	-34.6	72.4	-	-	74	-1.6	42	183	H
	2422	* 2.39	50.8	RMS	32.3	0.1	-34.6	48.6	54	-5.4	-	-	42	183	H
		* 2.389543	52.97	RMS	32.3	0.1	-34.6	50.77	54	-3.23	-	-	42	183	H
		* 2.39	72.51	Pk	32.3	0	-34.6	70.21	-	-	74	-3.79	197	159	V
		* 2.389887	73.35	Pk	32.3	0	-34.6	71.05	-	-	74	-2.95	197	159	V
		* 2.39	51.61	RMS	32.3	0.1	-34.6	49.41	54	-4.59	-	-	197	159	V
		* 2.389969	52.27	RMS	32.3	0.1	-34.6	50.07	54	-3.93	-	-	197	159	V
		* 2.39	68.63	Pk	32.3	0	-34.6	66.33	-	-	74	-7.67	56	257	H
	2422	* 2.389527	72.01	Pk	32.3	0	-34.6	69.71	-	-	74	-4.29	56	257	H
		* 2.39	53.79	RMS	32.3	0.1	-34.6	51.59	54	-2.41	-	-	56	257	H
		* 2.388593	54.48	RMS	32.3	0.1	-34.6	52.28	54	-1.72	-	-	56	257	H
		* 2.39	70.16	Pk	32.3	0	-34.6	67.86	-	-	74	-6.14	255	157	V
		* 2.389625	70.91	Pk	32.3	0	-34.6	68.61	-	-	74	-5.39	255	157	V
		* 2.39	52.69	RMS	32.3	0.1	-34.6	50.49	54	-3.51	-	-	255	157	V
		* 2.389576	54.21	RMS	32.3	0.1	-34.6	52.01	54	-1.99	-	-	255	157	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL / 2412MHz), 802.11b Mode**HORIZONTAL RESULT****VERTICAL RESULT**

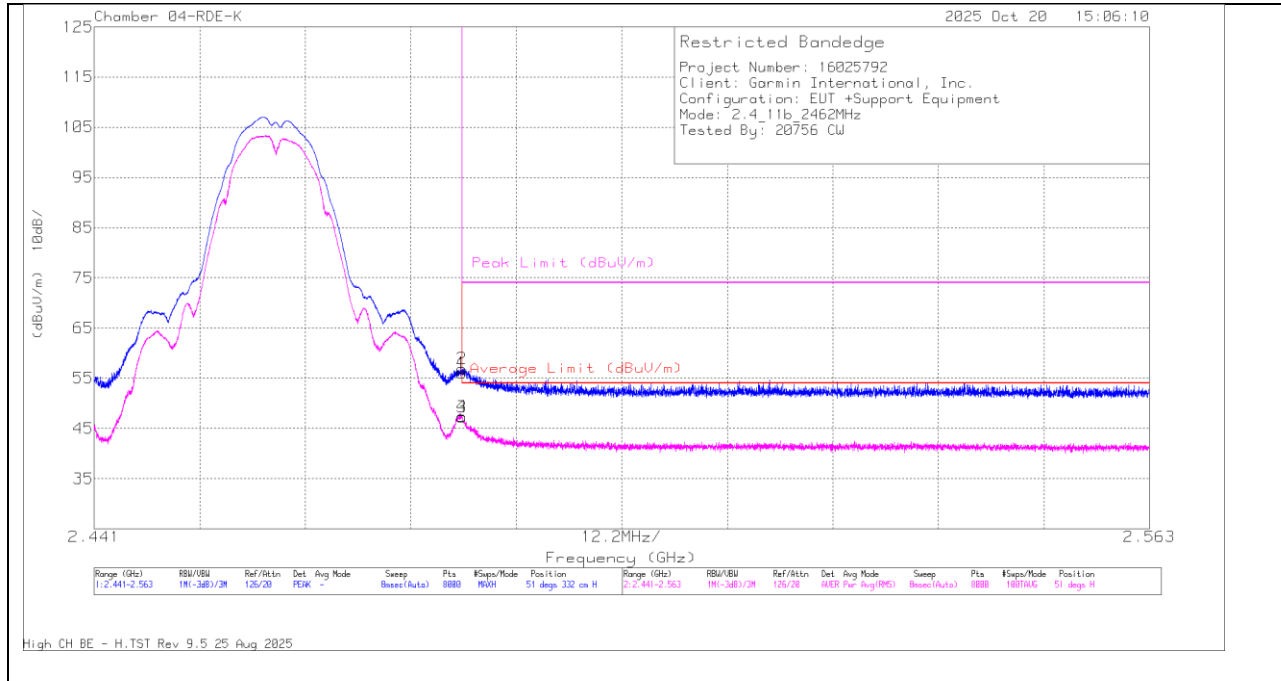
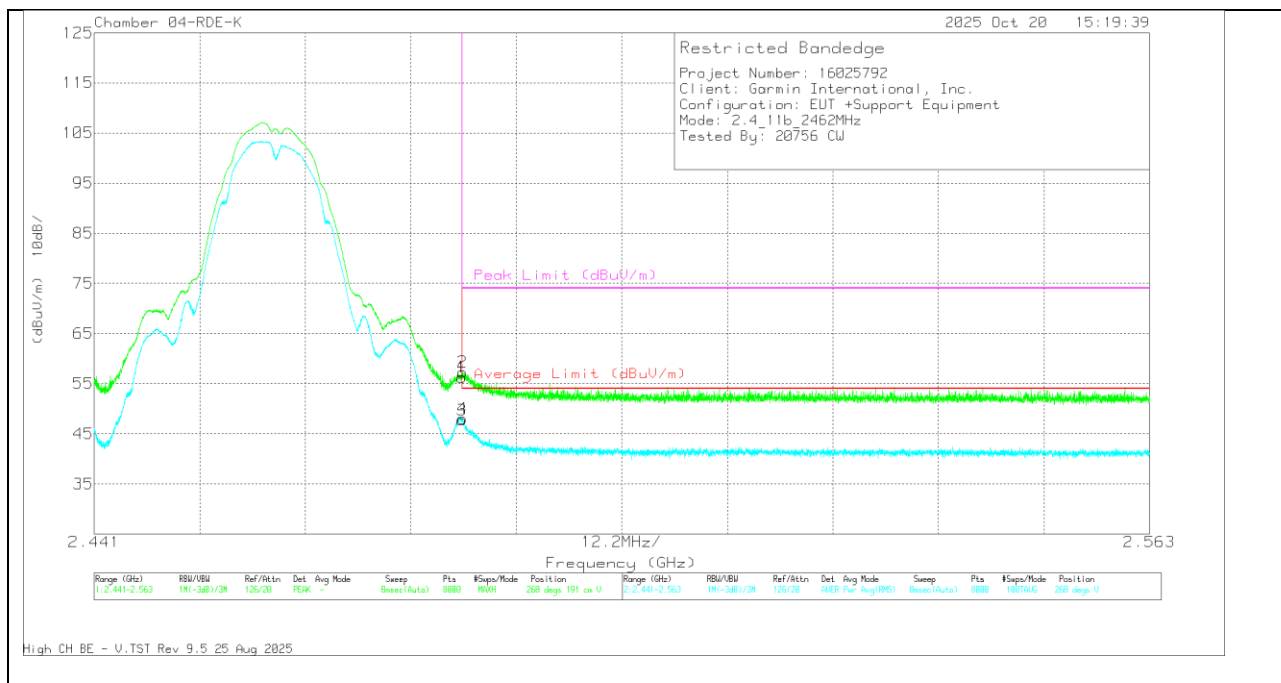
10.1.2. HIGH BANDEDGE

DTS (SISO)	Channel Frequency (MHz)	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
b-Mode	2462	* 2.4835	57.66	Pk	32.6	0	-34.2	56.06	-	-	74	-17.94	51	332	H
		* 2.483523	58.5	Pk	32.6	0	-34.2	56.9	-	-	74	-17.1	51	332	H
		* 2.4835	48.84	RMS	32.6	0	-34.2	47.24	54	-6.76	-	-	51	332	H
		* 2.483538	49.04	RMS	32.6	0	-34.2	47.44	54	-6.56	-	-	51	332	H
		* 2.4835	57.88	Pk	32.6	0	-34.2	56.28	-	-	74	-17.72	268	191	V
		* 2.483584	58.88	Pk	32.6	0	-34.2	57.28	-	-	74	-16.72	268	191	V
		* 2.4835	49.32	RMS	32.6	0	-34.2	47.72	54	-6.28	-	-	268	191	V
		* 2.483584	49.66	RMS	32.6	0	-34.2	48.06	54	-5.94	-	-	268	191	V
g-Mode	2462	* 2.4835	69.14	Pk	32.6	0	-34.2	67.54	-	-	74	-6.46	71	271	H
		* 2.483721	69.66	Pk	32.6	0	-34.2	68.06	-	-	74	-5.94	71	271	H
		* 2.4835	49.85	RMS	32.6	0.1	-34.2	48.35	54	-5.65	-	-	71	271	H
		* 2.48366	51.78	RMS	32.6	0.1	-34.2	50.28	54	-3.72	-	-	71	271	H
		* 2.4835	68.42	Pk	32.6	0	-34.2	66.82	-	-	74	-7.18	252	241	V
		* 2.483568	68.93	Pk	32.6	0	-34.2	67.33	-	-	74	-6.67	252	241	V
		* 2.4835	48.8	RMS	32.6	0.1	-34.2	47.3	54	-6.7	-	-	252	241	V
		* 2.483751	50.29	RMS	32.6	0.1	-34.2	48.79	54	-5.21	-	-	252	241	V
	2457	* 2.4835	69.66	Pk	32.6	0	-34.2	68.06	-	-	74	-5.94	48	268	H
		* 2.483599	70.06	Pk	32.6	0	-34.2	68.46	-	-	74	-5.54	48	268	H
		* 2.4835	50.84	RMS	32.6	0.1	-34.2	49.34	54	-4.66	-	-	48	268	H
		* 2.483782	53.42	RMS	32.6	0.1	-34.2	51.92	54	-2.08	-	-	48	268	H
		* 2.4835	69.74	Pk	32.6	0	-34.2	68.14	-	-	74	-5.86	294	187	V
		* 2.483584	69.92	Pk	32.6	0	-34.2	68.32	-	-	74	-5.68	294	187	V
		* 2.4835	51.71	RMS	32.6	0.1	-34.2	50.21	54	-3.79	-	-	294	187	V
		* 2.483797	53.32	RMS	32.6	0.1	-34.2	51.82	54	-2.18	-	-	294	187	V
	2452	* 2.4835	67.38	Pk	32.6	0	-34.2	65.78	-	-	74	-8.22	68	269	H
		* 2.484499	68.42	Pk	32.6	0	-34.3	66.72	-	-	74	-7.28	68	269	H
		* 2.4835	53.65	RMS	32.6	0.1	-34.2	52.15	54	-1.85	-	-	68	269	H
		* 2.483828	53.77	RMS	32.6	0.1	-34.2	52.27	54	-1.73	-	-	68	269	H
		* 2.4835	66.92	Pk	32.6	0	-34.2	65.32	-	-	74	-8.68	251	216	V
		* 2.483584	67.44	Pk	32.6	0	-34.2	65.84	-	-	74	-8.16	251	216	V
		* 2.4835	52.19	RMS	32.6	0.1	-34.2	50.69	54	-3.31	-	-	251	216	V
		* 2.483736	53.86	RMS	32.6	0.1	-34.2	52.36	54	-1.64	-	-	251	216	V
HT20-Mode	2462	* 2.4835	71.93	Pk	32.6	0	-34.2	70.33	-	-	74	-3.67	66	299	H
		* 2.484331	73.02	Pk	32.6	0	-34.2	71.42	-	-	74	-2.58	66	299	H
		* 2.4835	47.19	RMS	32.6	0.1	-34.2	45.69	54	-8.31	-	-	66	299	H
		* 2.483873	49.66	RMS	32.6	0.1	-34.2	48.16	54	-5.84	-	-	66	299	H
		* 2.4835	67.78	Pk	32.6	0	-34.2	66.18	-	-	74	-7.82	283	238	V
		* 2.483553	69.94	Pk	32.6	0	-34.2	68.34	-	-	74	-5.66	283	238	V
		* 2.4835	46.76	RMS	32.6	0.1	-34.2	45.26	54	-8.74	-	-	283	238	V
		* 2.48427	48.98	RMS	32.6	0.1	-34.2	47.48	54	-6.52	-	-	283	238	V
	2457	* 2.4835	69.61	Pk	32.6	0	-34.2	68.01	-	-	74	-5.99	55	242	H
		* 2.483919	70.45	Pk	32.6	0	-34.2	68.85	-	-	74	-5.15	55	242	H
		* 2.4835	50.36	RMS	32.6	0.1	-34.2	48.86	54	-5.14	-	-	55	242	H
		* 2.48366	51.5	RMS	32.6	0.1	-34.2	50	54	-4	-	-	55	242	H
		* 2.4835	68.48	Pk	32.6	0	-34.2	66.88	-	-	74	-7.12	259	239	V
		* 2.484788	71.27	Pk	32.6	0	-34.3	69.57	-	-	74	-4.43	259	239	V
		* 2.4835	50.88	RMS	32.6	0.1	-34.2	49.38	54	-4.62	-	-	259	239	V
		* 2.483889	51.8	RMS	32.6	0.1	-34.2	50.3	54	-3.7	-	-	259	239	V
	2452	* 2.4835	66.98	Pk	32.6	0	-34.2	65.38	-	-	74	-8.62	39	216	H
		* 2.483675	70.71	Pk	32.6	0	-34.2	69.11	-	-	74	-4.89	39	216	H
		* 2.4835	50.31	RMS	32.6	0.1	-34.2	48.81	54	-5.19	-	-	39	216	H
		* 2.483553	51.15	RMS	32.6	0.1	-34.2	49.65	54	-4.35	-	-	39	216	H
		* 2.4835	69.03	Pk	32.6	0	-34.2	67.43	-	-	74	-6.57	267	171	V
		* 2.483599	72.97	Pk	32.6	0	-34.2	71.37	-	-	74	-2.63	267	171	V
		* 2.4835	51.47	RMS	32.6	0.1	-34.2	49.97	54	-4.03	-	-	267	171	V
		* 2.483767	52.87	RMS	32.6	0.1	-34.2	51.37	54	-2.63	-	-	267	171	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL / 2462MHz), 802.11b Mode**HORIZONTAL RESULT****VERTICAL RESULT**

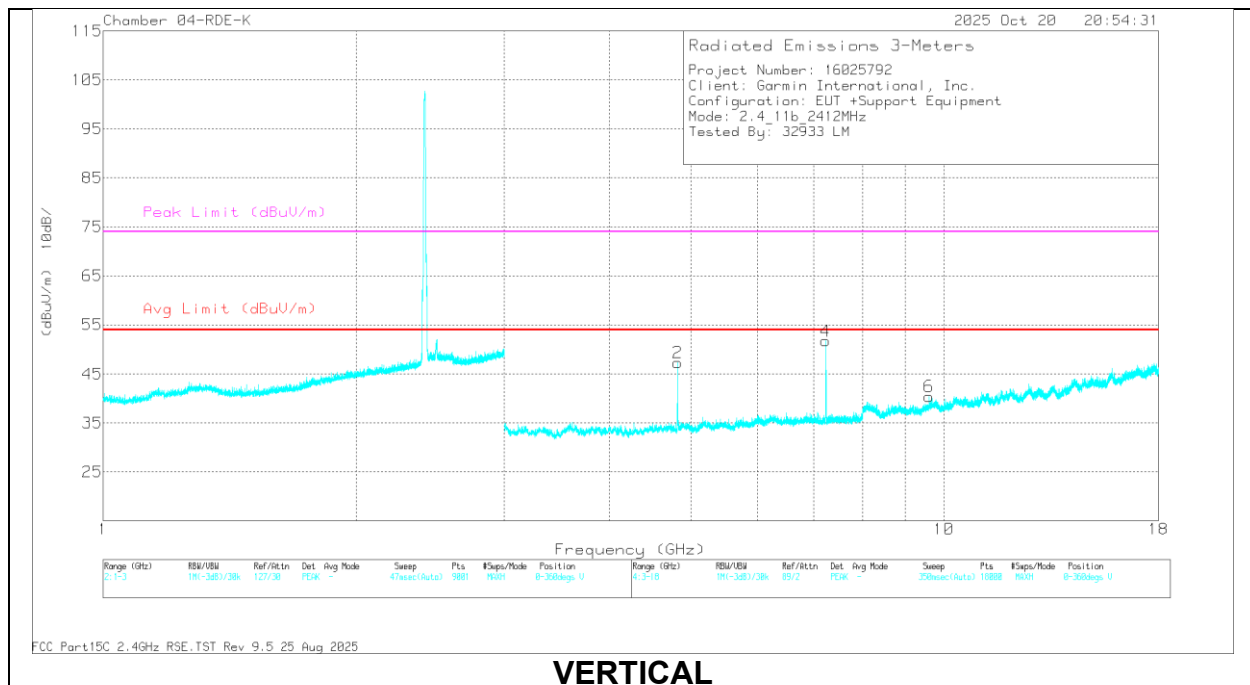
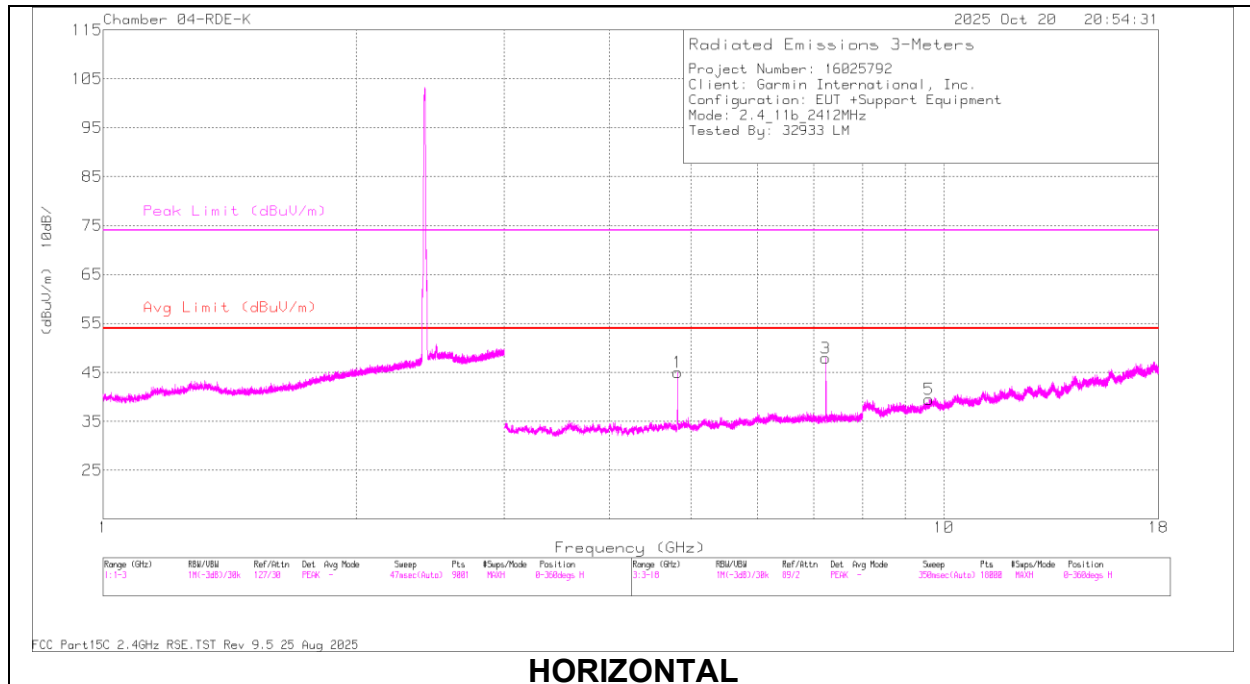
10.1.3. 802.11b MODE – HARMONIC AND SPURIOUS EMISSIONS

DTS (SISO)	Channel Frequency (MHz)	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Gain/Loss (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
b-Mode	2412	* 4.82394	51.18	MAv1	34.1	-40.2	0	45.08	54	-8.92	-	-	44	202	H
		* 4.824016	56.07	PK2	34.1	-40.2	0	49.97	-	-	74	-24.03	44	202	H
		* 4.823752	58.27	PK2	34.1	-40.2	0	52.17	-	-	74	-21.83	308	230	V
		* 4.823939	54.43	MAv1	34.1	-40.2	0	48.33	54	-5.67	-	-	308	230	V
		7.237019	50.91	MAv1	35.6	-38.1	0	48.41	-	-	-	-	193	201	H
		7.237295	56.76	PK2	35.6	-38.1	0	54.26	-	-	-	-	193	201	H
		7.234798	59.02	PK2	35.6	-38.1	0	56.52	-	-	-	-	241	103	V
		7.236878	53.98	MAv1	35.6	-38.1	0	51.48	-	-	-	-	241	103	V
		9.598606	49.94	PK2	36.7	-36.4	0	50.24	-	-	-	-	172	220	H
		9.598691	39.02	MAv1	36.7	-36.4	0	39.32	-	-	-	-	172	220	H
		9.597882	49.57	PK2	36.7	-36.4	0	49.87	-	-	-	-	223	365	V
		9.598469	39.48	MAv1	36.7	-36.4	0	39.78	-	-	-	-	223	365	V
		* 4.873922	57.15	PK2	34.1	-40.2	0	51.05	-	-	74	-22.95	282	159	H
		* 4.874015	51.73	MAv1	34.1	-40.2	0	45.63	54	-8.37	-	-	282	159	H
b-Mode	2437	* 4.873961	58.37	PK2	34.1	-40.2	0	52.27	-	-	74	-21.73	315	260	V
		* 4.873979	54.08	MAv1	34.1	-40.2	0	47.98	54	-6.02	-	-	315	260	V
		* 7.30952	55.09	PK2	35.6	-37.7	0	52.99	-	-	74	-21.01	191	199	H
		* 7.312156	48.88	MAv1	35.6	-37.8	0	46.68	54	-7.32	-	-	191	199	H
		* 7.312008	52.7	MAv1	35.6	-37.8	0	50.5	54	-3.5	-	-	240	102	V
		* 7.312137	58.18	PK2	35.6	-37.8	0	55.98	-	-	74	-18.02	240	102	V
		9.747935	39.94	MAv1	36.8	-36.4	0	40.34	-	-	-	-	207	144	H
		9.74829	49.21	PK2	36.8	-36.4	0	49.61	-	-	-	-	207	144	H
		9.747927	37.6	MAv1	36.8	-36.4	0	38	-	-	-	-	155	220	V
		9.764763	49.43	PK2	36.9	-36.2	0	50.13	-	-	-	-	155	220	V
		* 4.924011	51.82	MAv1	34.1	-40.3	0	45.62	54	-8.38	-	-	281	101	H
		* 4.924091	56.66	PK2	34.1	-40.3	0	50.46	-	-	74	-23.54	281	101	H
		* 4.923666	56.65	PK2	34.1	-40.3	0	50.45	-	-	74	-23.55	319	229	V
		* 4.923994	52.19	MAv1	34.1	-40.3	0	45.99	54	-8.01	-	-	319	229	V
b-Mode	2462	* 7.384903	47.2	MAv1	35.6	-37.6	0	45.2	54	-8.8	-	-	211	208	H
		* 7.385147	54.06	PK2	35.6	-37.6	0	52.06	-	-	74	-21.94	211	208	H
		* 7.384723	56.39	PK2	35.6	-37.6	0	54.39	-	-	74	-19.61	246	101	V
		* 7.384874	50.94	MAv1	35.6	-37.6	0	48.94	54	-5.06	-	-	246	101	V
		9.848032	38.32	MAv1	37	-35.9	0	39.42	-	-	-	-	240	103	H
		9.848094	48.23	PK2	37	-35.9	0	49.33	-	-	-	-	240	103	H
		9.833431	48.4	PK2	37	-36.1	0	49.3	-	-	-	-	19	287	V
		9.834577	36.73	MAv1	37	-36	0	37.73	-	-	-	-	19	287	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

LOW CHANNEL, CH 1 RESULTS, 802.11b Mode

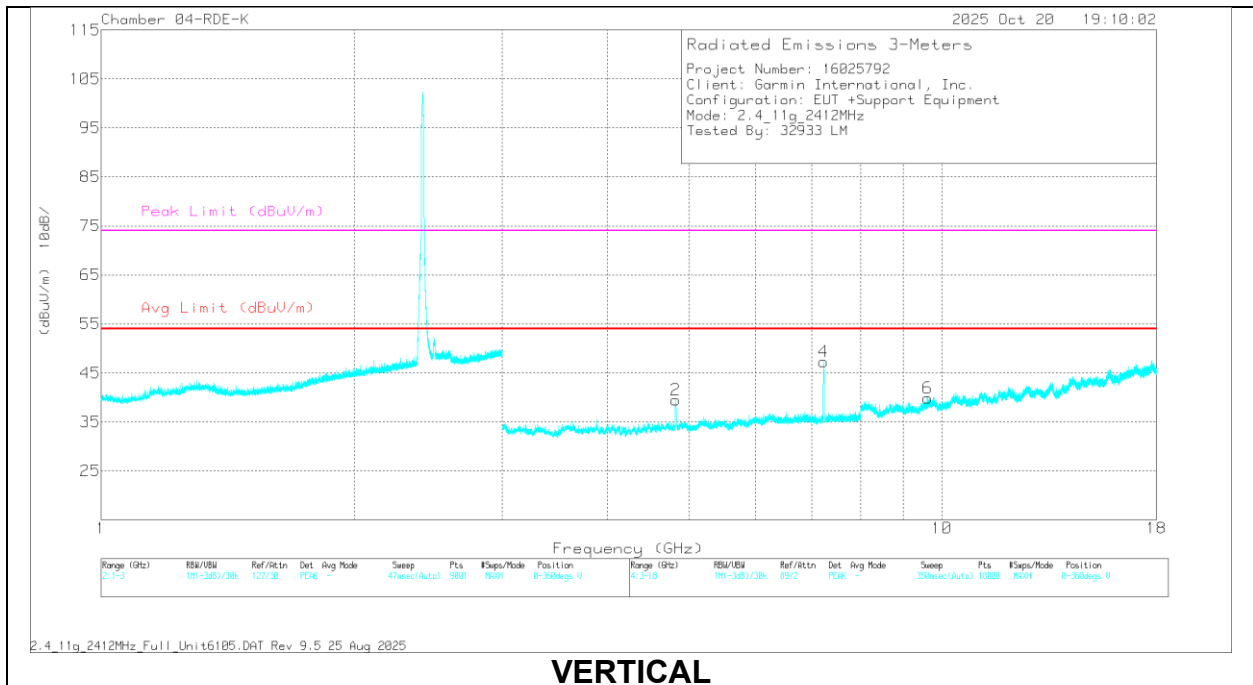
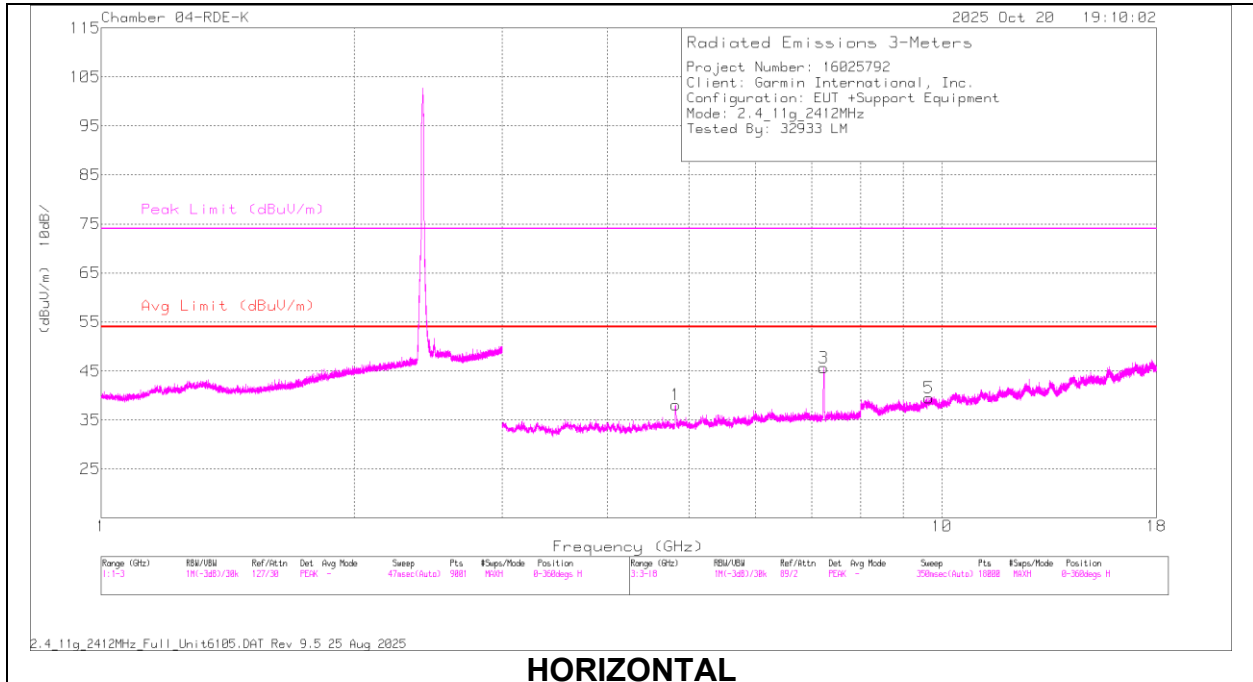
10.1.4. 802.11g MODE – HARMONIC AND SPURIOUS EMISSIONS

DTS (SISO)	Channel Frequency (MHz)	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Gain/Loss (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
g-Mode	2412	* 4.822967	56.65	PK2	34.1	-40.2	0	50.55	-	-	74	-23.45	84	223	H
		* 4.824985	43.36	MAv1	34.1	-40.2	0.1	37.36	54	-16.64	-	-	84	223	H
		* 4.823181	56.78	PK2	34.1	-40.2	0	50.68	-	-	74	-23.32	185	394	V
		* 4.825435	44.76	MAv1	34.1	-40.2	0.1	38.76	54	-15.24	-	-	185	394	V
		7.237171	47.25	MAv1	35.6	-38.1	0.1	44.85	-	-	-	-	239	210	H
		7.239913	61.27	PK2	35.6	-38.1	0	58.77	-	-	-	-	239	210	H
		7.237659	62.79	PK2	35.6	-38.1	0	60.29	-	-	-	-	239	164	V
		7.23901	49.09	MAv1	35.6	-38.1	0.1	46.69	-	-	-	-	239	164	V
		9.652777	37.31	MAv1	36.7	-36.5	0	37.61	-	-	-	-	218	290	H
		9.655354	49.21	PK2	36.7	-36.5	0	49.41	-	-	-	-	218	290	H
		9.628954	49.1	PK2	36.7	-36.4	0	49.4	-	-	-	-	302	381	V
		9.64231	37.38	MAv1	36.7	-36.4	0.1	37.78	-	-	-	-	302	381	V
		* 12.147584	35.06	MAv1	38.8	-34.5	0.1	39.46	54	-14.54	-	-	137	390	H
		* 12.169713	47.04	PK2	38.8	-34.6	0	51.24	-	-	74	-22.76	137	390	H
g-Mode	2437	* 12.17779	46.91	PK2	38.8	-34.6	0	51.11	-	-	74	-22.89	190	297	V
		* 12.17863	35.13	MAv1	38.8	-34.6	0.1	39.43	54	-14.57	-	-	190	297	V
		* 4.873145	59.46	PK2	34.1	-40.2	0	53.36	-	-	74	-20.64	277	110	H
		* 4.874758	46.68	MAv1	34.1	-40.2	0.1	40.68	54	-13.32	-	-	277	110	H
		* 4.872903	55.66	PK2	34.1	-40.2	0	49.56	-	-	74	-24.44	273	113	V
		* 4.874618	43.92	MAv1	34.1	-40.2	0.1	37.92	54	-16.08	-	-	273	113	V
		* 7.311266	46.53	MAv1	35.6	-37.8	0.1	44.43	54	-9.57	-	-	336	229	H
		* 7.312146	59.99	PK2	35.6	-37.8	0	57.79	-	-	74	-16.21	336	229	H
		* 7.312767	50.55	MAv1	35.6	-37.8	0.1	48.45	54	-5.55	-	-	237	177	V
		* 7.314603	63.8	PK2	35.6	-37.8	0	61.6	-	-	74	-12.4	237	177	V
		* 2.38557	64.59	PK2	32.3	-34.6	0	62.29	-	-	74	-11.71	42	231	H
		* 2.38293	52.9	MAv1	32.2	-34.6	0.1	50.6	54	-3.4	-	-	42	231	H
		* 2.384402	62.78	PK2	32.2	-34.6	0	60.38	-	-	74	-13.62	299	163	V
		* 2.384824	51.32	MAv1	32.3	-34.6	0.1	49.12	54	-4.88	-	-	299	163	V
g-Mode	2462	* 4.923116	58.43	PK2	34.1	-40.3	0	52.23	-	-	74	-21.77	275	114	H
		* 4.925933	46.11	MAv1	34.1	-40.3	0.1	40.01	54	-13.99	-	-	275	114	H
		* 4.923185	57.66	PK2	34.1	-40.3	0	51.46	-	-	74	-22.54	321	184	V
		* 4.925691	45.36	MAv1	34.1	-40.3	0.1	39.26	54	-14.74	-	-	321	184	V
		* 7.389298	59.15	PK2	35.6	-37.6	0	57.15	-	-	74	-16.85	212	216	H
		* 7.379867	46.69	MAv1	35.6	-37.5	0.1	44.89	54	-9.11	-	-	212	216	H
		* 7.385989	51.33	MAv1	35.6	-37.6	0.1	49.43	54	-4.57	-	-	249	182	V
		* 7.386136	63.71	PK2	35.6	-37.6	0	61.71	-	-	74	-12.29	249	182	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

LOW CHANNEL, CH 1 RESULTS, 802.11g Mode

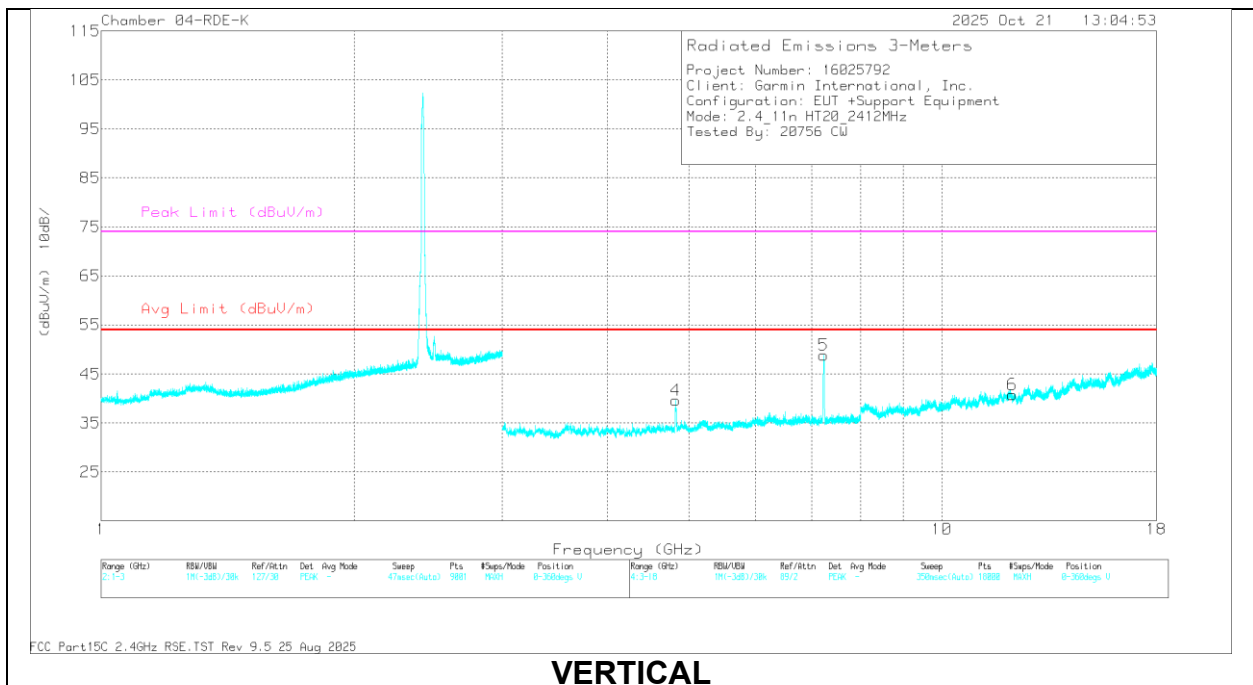
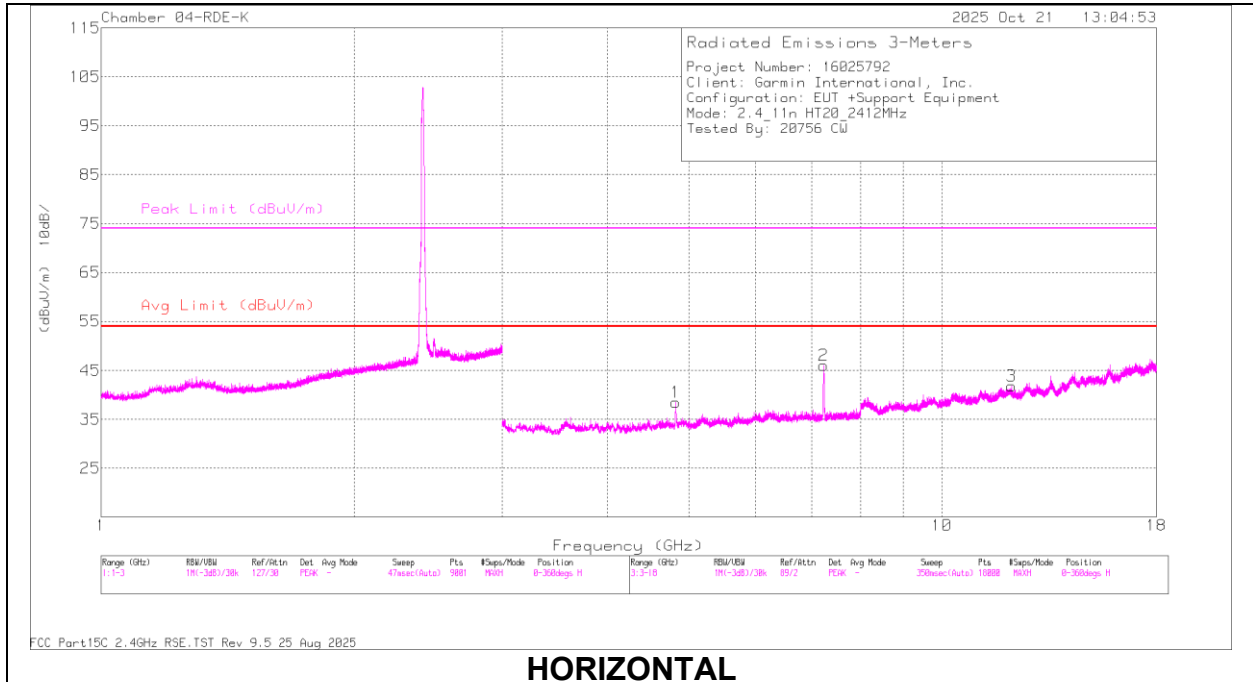
10.1.5. 802.11n HT20 MODE – HARMONIC AND SPURIOUS EMISSIONS

DTS (SISO)	Channel Frequency (MHz)	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HT20-Mode	2412	* 12.114571	34.98	MAV1	38.8	-34.3	0.1	39.58	54	-14.42	-	-	154	370	H
		* 12.116798	47.45	PK2	38.8	-34.3	0	51.95	-	-	74	-22.05	154	370	H
		* 12.129279	46.46	PK2	38.8	-34.4	0	50.86	-	-	74	-23.14	305	346	V
		* 12.140208	34.99	MAV1	38.8	-34.5	0.1	39.39	54	-14.61	-	-	305	346	V
		* 4.821993	54.63	PK2	34.1	-40.2	0	48.53	-	-	74	-25.47	216	187	H
		* 4.824766	42.92	MAV1	34.1	-40.2	0.1	36.92	54	-17.08	-	-	216	187	H
		* 4.822986	44.24	MAV1	34.1	-40.2	0.1	38.24	54	-15.76	-	-	184	113	V
		* 4.824048	56.46	PK2	34.1	-40.2	0	50.36	-	-	74	-23.64	184	113	V
		7.235676	64.04	PK2	35.6	-38.2	0	61.44	-	-	-	-	222	266	V
		7.234996	49.76	MAV1	35.6	-38.1	0.1	47.36	-	-	-	-	222	266	V
		7.235021	62.74	PK2	35.6	-38.1	0	60.24	-	-	-	-	333	209	H
		7.235168	48.33	MAV1	35.6	-38.1	0.1	45.93	-	-	-	-	333	209	H
HT20-Mode	2437	* 12.183759	47.2	PK2	38.8	-34.6	0	51.4	-	-	74	-22.6	19	384	V
		* 12.191008	35.02	MAV1	38.8	-34.6	0.1	39.32	54	-14.68	-	-	19	384	V
		* 12.202649	34.54	MAV1	38.8	-34.6	0.1	38.84	54	-15.16	-	-	341	176	H
		* 12.212982	46.64	PK2	38.8	-34.5	0	50.94	-	-	74	-23.06	341	176	H
		* 4.872015	59.34	PK2	34.1	-40.2	0	53.24	-	-	74	-20.76	288	109	H
		* 4.873517	46.38	MAV1	34.1	-40.2	0.1	40.38	54	-13.62	-	-	288	109	H
		* 4.874635	46.09	MAV1	34.1	-40.2	0.1	40.09	54	-13.91	-	-	284	288	V
		* 4.874808	57.98	PK2	34.1	-40.2	0	51.88	-	-	74	-22.12	284	288	V
		* 7.310518	66.34	PK2	35.6	-37.7	0	64.24	-	-	74	-9.76	226	124	V
		* 7.310678	52.44	MAV1	35.6	-37.7	0.1	50.44	54	-3.56	-	-	226	124	V
		* 7.310746	62.96	PK2	35.6	-37.7	0	60.86	-	-	74	-13.14	177	199	H
		* 7.312341	48.73	MAV1	35.6	-37.8	0.1	46.63	54	-7.37	-	-	177	199	H
HT20-Mode	2462	* 4.925009	45.85	MAV1	34.1	-40.3	0.1	39.75	54	-14.25	-	-	287	134	H
		* 4.9258	59.63	PK2	34.1	-40.3	0	53.43	-	-	74	-20.57	287	134	H
		* 7.38365	44.5	MAV1	35.6	-37.6	0.1	42.6	54	-11.4	-	-	287	200	H
		* 7.385081	57.71	PK2	35.6	-37.6	0	55.71	-	-	74	-18.29	287	200	H
		* 12.324277	34.05	MAV1	38.8	-34	0.1	38.95	54	-15.05	-	-	18	216	H
		* 12.345308	45.86	PK2	38.8	-33.8	0	50.86	-	-	74	-23.14	18	216	H
		* 4.924354	58.32	PK2	34.1	-40.3	0	52.12	-	-	74	-21.88	266	101	V
		* 4.925052	45.76	MAV1	34.1	-40.3	0.1	39.66	54	-14.34	-	-	266	101	V
		* 7.38369	52.11	MAV1	35.6	-37.6	0.1	50.21	54	-3.79	-	-	242	166	V
		* 7.385032	65.82	PK2	35.6	-37.6	0	63.82	-	-	74	-10.18	242	166	V
		* 12.292092	45.7	PK2	38.8	-34.3	0	50.2	-	-	74	-23.8	117	365	V
		* 12.294394	34.29	MAV1	38.8	-34.3	0.1	38.89	54	-15.11	-	-	117	365	V

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

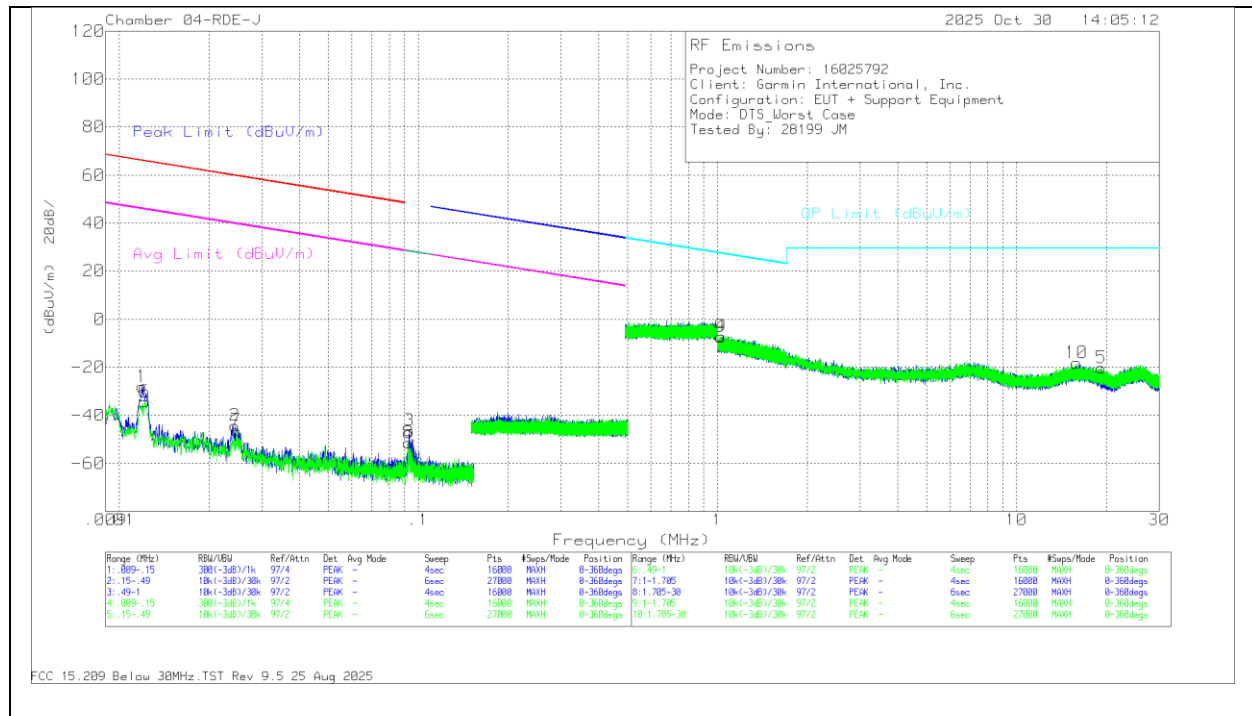
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

LOW CHANNEL, CH 1 RESULTS, 802.11n HT20 Mode

10.2. TRANSMITTER WORST CASE BELOW 30MHz

SPURIOUS EMISSIONS BELOW 30MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

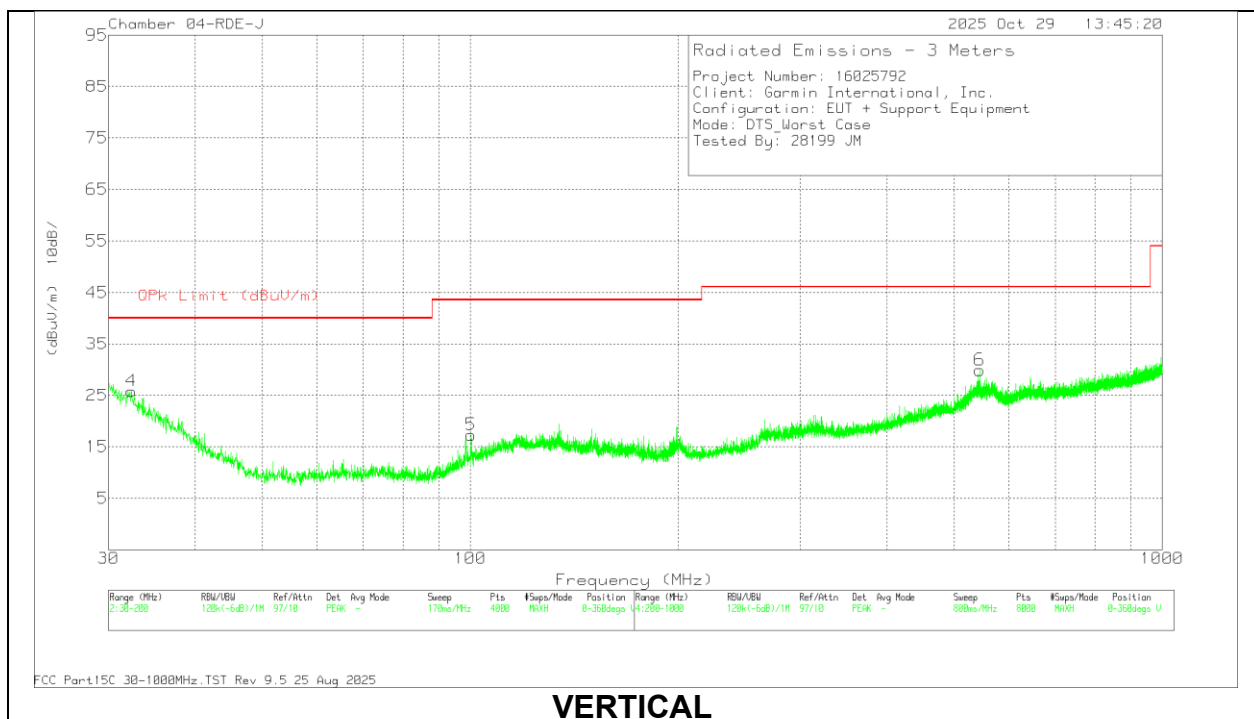
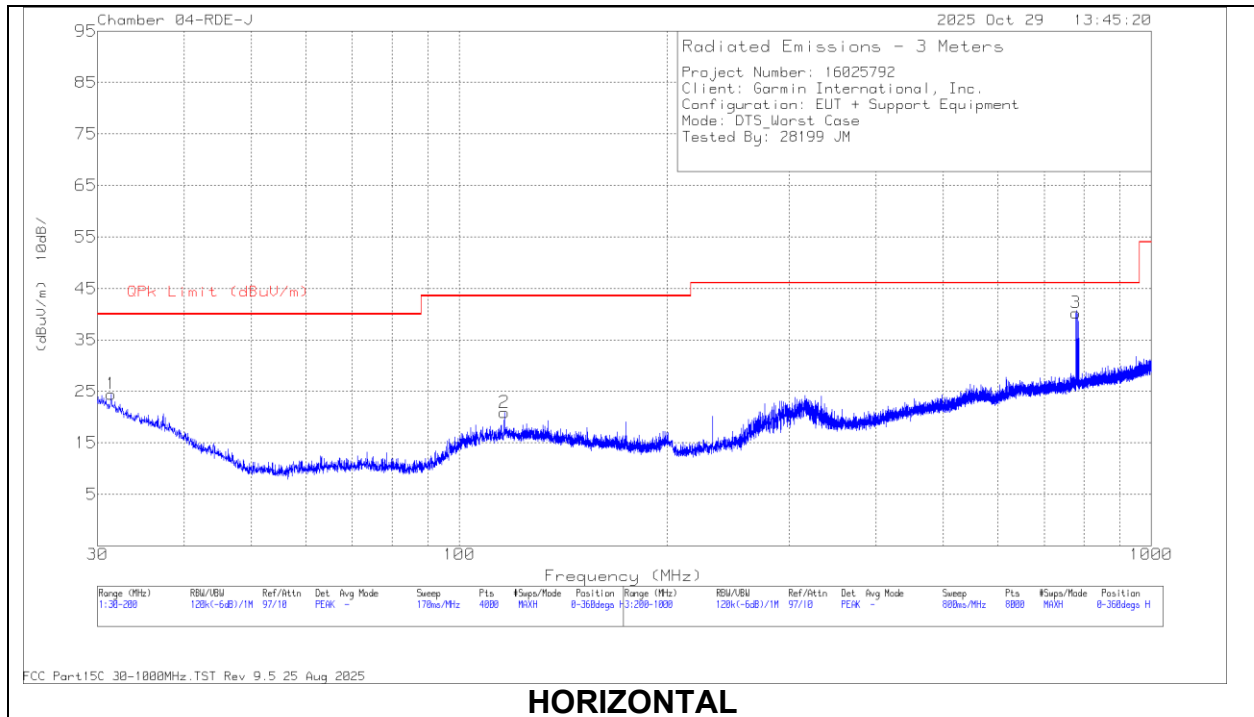
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	CBL/AMP (dB)	Dist Corr 300m (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Azimuth (Degs)
1	.0119	22.12	Pk	60.2	-30.4	-80	-28.08	66.07	-94.15	46.07	-74.15	-	0-360
2	.0244	8.75	Pk	58.6	-31.6	-80	-44.25	59.85	-104.1	39.85	-84.1	-	0-360
3	.0934	10.23	Pk	55.8	-32.4	-80	-46.37	-	-	-	-	28.19	0-360
6	.0122	15.92	Pk	60.1	-30.4	-80	-34.38	65.89	-100.27	45.89	-80.27	-	0-360
7	.0246	6.69	Pk	58.6	-31.6	-80	-46.31	59.76	-106.07	39.76	-86.07	-	0-360
8	.0927	5.12	Pk	55.8	-32.4	-80	-51.48	-	-	-	-	28.25	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	CBL/AMP (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
4	1.0231	18.5	Pk	46.7	-32.4	-40	-7.2	27.42	-34.62	0-360
5	19.2202	17.6	Pk	34.1	-32	-40	-20.3	29.5	-49.8	0-360
9	1.0267	18.44	Pk	46.6	-32.3	-40	-7.26	27.39	-34.65	0-360
10	15.8876	20.11	Pk	33.7	-32	-40	-18.19	29.5	-47.69	0-360

Pk - Peak detector

10.3. TRANSMITTER WORST CASE BELOW 1 GHz



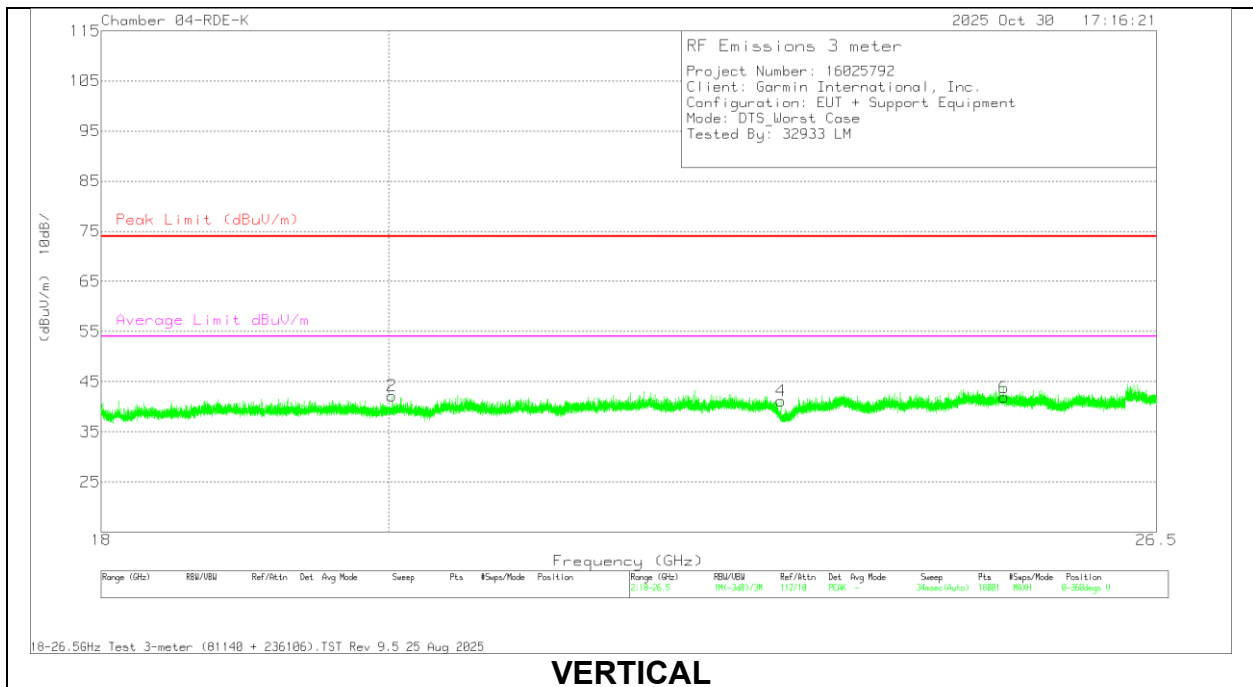
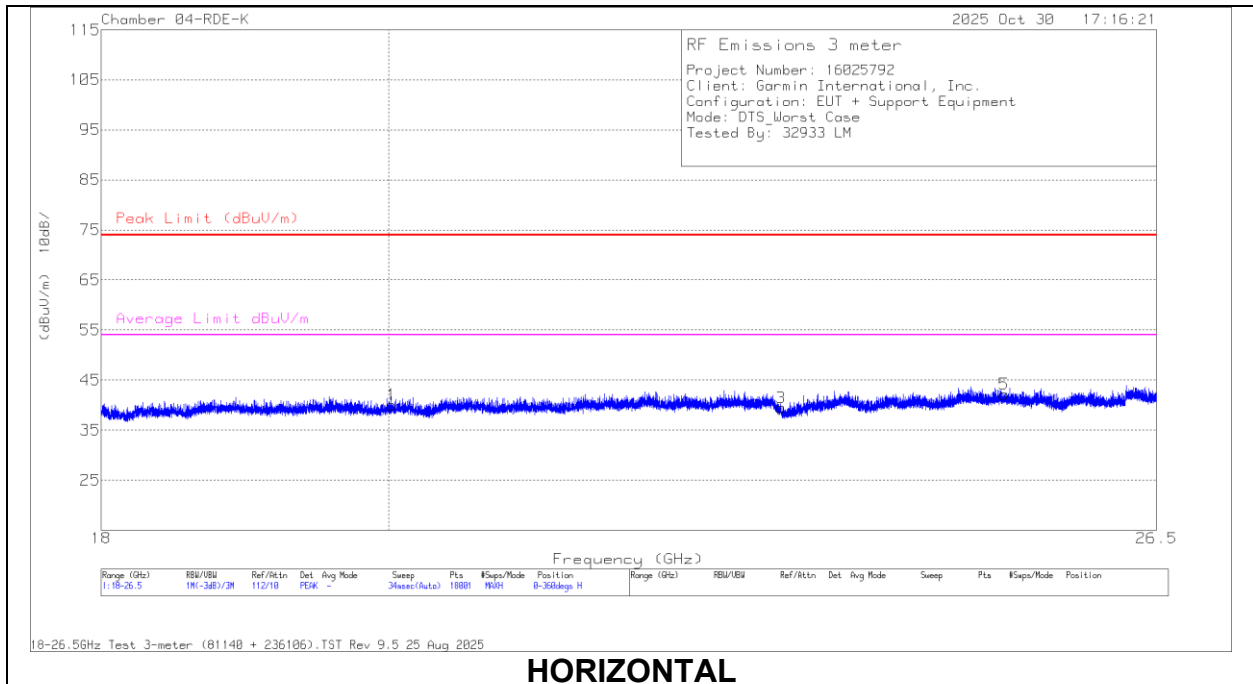
Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202329 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	31.4029	30.67	Pk	25.6	-31.8	24.47	40	-15.53	0-360	99	H
2	* 116.17	32.58	Pk	19.4	-31.1	20.88	43.52	-22.64	0-360	298	H
3	777.975	41.94	Pk	26.9	-28.6	40.24	46.02	-5.78	0-360	298	H
	777.975	21.36	Qp	26.9	-28.5	19.76	46.02	-26.26	43	334	H
4	32.3806	32.72	Pk	24.8	-31.7	25.82	40	-14.18	0-360	100	V
5	100.271	32.21	Pk	16.3	-31.2	17.31	43.52	-26.21	0-360	100	V
6	544.645	35.51	Pk	24	-29.6	29.91	46.02	-16.11	0-360	99	V

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

Pk - Peak detector

Qp - Quasi-Peak detector

10.4. TRANSMITTER WORST CASE 18-26 GHz

18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81140 ACF (dB/m)	CBL/AMP (dB)	CBL (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 20.024888	49.1	Pk	32.5	-61.7	20.1	40	74	-34	-	-	0-360	200	H
2	* 20.024416	51.27	Pk	32.5	-61.7	20.1	42.17	74	-31.83	-	-	0-360	200	V
3	* 23.093386	47.77	Pk	33.1	-62.9	21.5	39.47	74	-34.53	-	-	0-360	200	H
4	* 23.092914	49.42	Pk	33.1	-62.9	21.5	41.12	74	-32.88	-	-	0-360	101	V
5	25.062552	48.92	Pk	33.8	-62.9	22.3	42.12	74	-31.88	-	-	0-360	200	H
6	25.062552	48.64	Pk	33.8	-62.9	22.3	41.84	74	-32.16	-	-	0-360	200	V

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

Pk - Peak detector

11. SETUP PHOTOS

Please refer to 16025792-EP1 for setup photos.

END OF REPORT