

CERTIFICATION TEST REPORT

Report Number. : S-4792120201-FR1V2

Applicant : Genmega Gaming LLC
2901 Executive Blvd, Mesquite TX 75149

Model : A-POD

FCC ID : 2BRQ7A-POD2

EUT Description : Bluetooth LE

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C

Date Of Issue:

2026-03-23

Prepared by:

UL KOREA LTD.

26th floor, 152, Teheran-ro, Gangnam-gu Seoul, 06236, Korea

Suwon Test Site: UL KOREA LTD. Suwon Laboratory

218 Maeyeong-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16675, Korea

TEL: (031) 337-9902

FAX: (031) 213-5433

Revision History

Rev.	Issue Date	Revisions	Presented By
V1	2026-03-17	Initial issue	Hyein Lee
V2	2026-03-23	Updated to address TCB's question	Hyein Lee

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Genmega Gaming LLC
EUT DESCRIPTION: Bluetooth LE
MODEL NUMBER: A-POD
SERIAL NUMBER: Sample_1_A-POD_conducted sample (CONDUCTED);
Sample_1_A-POD_(RADIATED)
DATE TESTED: 2026-02-19 ~ 2026-03-17

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
47 CFR Part 15 Subpart C	Complies

UL KOREA LTD. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL KOREA LTD. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL KOREA LTD. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL KOREA LTD. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL KOREA LTD. By:



Seokhwan Hong
Suwon Lab Engineer
UL KOREA LTD.

Tested By:



Hyein Lee
Suwon Lab Engineer
UL KOREA LTD.

2. TEST METHODOLOGY

1. FCC 47 CFR Part 2.
2. FCC 47 CFR Part 15.
3. KDB 558074 D01 15.247 Meas Guidance v05r02.
4. ANSI/USEMCSC C63.10-2020/Cor 1-2023

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

218 Maeyeong-ro	
☒	Chamber 1(3m semi-anechoic chamber)
☐	Chamber 2(3m semi-anechoic chamber)
☒	Chamber 3(3m semi-anechoic chamber)
☐	Chamber 4(3m Full-anechoic chamber)
☐	Chamber 5(3m Full-anechoic chamber)

UL KOREA LTD. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at <https://www.iasonline.org/wp-content/uploads/201/05/TL-637-cert-New.pdf>.

4. DECISION RULES AND MEASUREMENT UNCERTAINTY

4.1. METROLOGICAL TRACEABILITY

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

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)

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

AC Corrected Reading (dBuV) = Measured Voltage (dBuV) + Extension Cord
Loss (dB) + Cable Loss (dB)

44.72 dBuV = 34.72 dBuV + 9.9 dB + 0.1 dB

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
RF Output Power	0.70 dB
Power Spectral Density	1.99 dB
Occupied Bandwidth	0.04 %
Conducted Spurious Emissions	2.00 dB
Conducted Disturbance, 0.15 to 30 MHz	1.84 dB
Radiated Disturbance, 9 kHz to 30 MHz	2.41 dB
Radiated Disturbance, 30 MHz to 1 GHz	3.78 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.25 dB
Radiated Disturbance, above 18 GHz	5.07 dB

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

4.4. DECISION RULES

Decision rule for statement(s) of conformity is based on Clause 4.4.3 in IEC Guide 115:2023.

5. EQUIPMENT UNDER TEST

5.1. EUT DESCRIPTION

The EUT is a BLE peripheral machine.
This test report addresses the DTS (BLE) operational mode.

5.2. MAXIMUM OUTPUT POWER

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

Frequency Range[MHz]	Mode	Power Mode	Output Power [dBm]	Output Power [mW]
2 402 ~ 2 480	1 Mbps (37 pkt)	Peak	2.400	1.738
		Average	2.180	1.652
	1 Mbps (255 pkt)	Peak	2.380	1.730
		Average	2.184	1.653
	2 Mbps (37 pkt)	Peak	2.810	1.910
		Average	2.414	1.743
	2 Mbps (255 pkt)	Peak	2.800	1.905
		Average	2.442	1.755
	125 kbps (37 pkt)	Peak	2.360	1.722
		Average	2.200	1.660
	125 kbps (255 pkt)	Peak	2.360	1.722
		Average	2.208	1.663
	500 kbps (37 pkt)	Peak	2.360	1.722
		Average	2.192	1.657
	500 kbps (255 pkt)	Peak	2.360	1.722
		Average	2.193	1.657

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

**The internal antenna was Permanently attached.
Therefore this E.U.T Complies with the requirement of §15.203.**

The radio utilizes a internal antenna, with a maximum gain of: -0.65

“BLE CHIP Antenna” as indicated in antenna specification are written as ANT1 in this report.

5.4. WORST-CASE CONFIGURATION AND MODE

The fundamentals of the EUT were investigated in three orthogonal orientations X, Y and Z. It was determined that below table's orientation was the worst-case orientation.

ANT1
X

Radiated and power line conducted tests were performed with EUT connected to AC power adapter as the worst-case configuration. Radiated harmonics spurious 1~18 GHz Low/Mid/High channels, 18-26GHz were performed with the EUT set at the 1Tx mode. Radiated emission below 1GHz and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

For Radiated band-edge and spurious test, tests were performed on 1Tx mode. All radiated and power line conducted tests were performed Power adapter for the worst-case condition mode.

Power verification

The Output Power of all data rate are all investigated, the 1 Mbps and 2 Mbps power is the worst case for symbol rate. All tests were performed in these two modes.

Symbol Rate [Ms/s]	Mode	Freq. [MHz]	Conducted PK [dBm]	Symbol Rate [Ms/s]	Mode	Freq. [MHz]	Conducted PK [dBm]
1	1 Mbps 37 pkt ANT1	2 402	2.400	2	2 Mbps 37 pkt ANT1	2 402	2.750
		2 440	2.190			2 440	2.610
		2 480	2.320			2 480	2.810
	1 Mbps 255 pkt ANT1	2 402	2.380		2 Mbps 255 pkt ANT1	2 402	2.730
		2 440	2.210			2 440	2.610
		2 480	2.330			2 480	2.800
1 Coded S=8	125 kbps 37 pkt ANT1	2 402	2.360	1 Coded S=2	500 kbps 37 pkt ANT1	2 402	2.360
		2 440	2.190			2 440	2.180
		2 480	2.320			2 480	2.310
	125 kbps 255 pkt ANT1	2 402	2.360		500 kbps 255 pkt ANT1	2 402	2.360
		2 440	2.180			2 440	2.160
		2 480	2.320			2 480	2.260

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Laptop	LG	15UD490	001QCFT576955	N/A

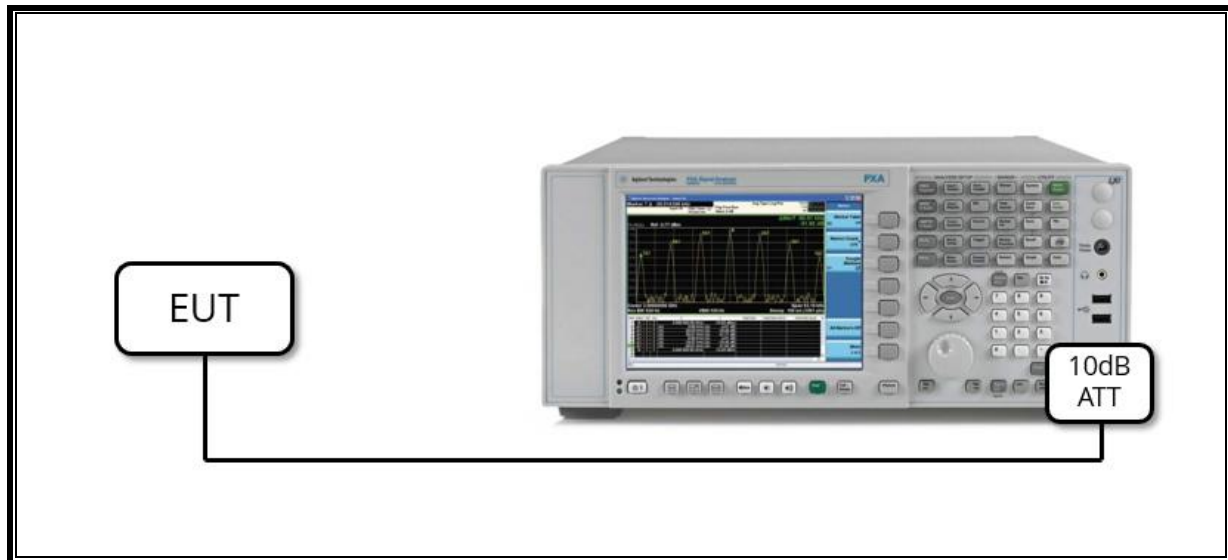
I/O CABLE

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
UART_USB BOARD	HANMEGA	-	-	N/A

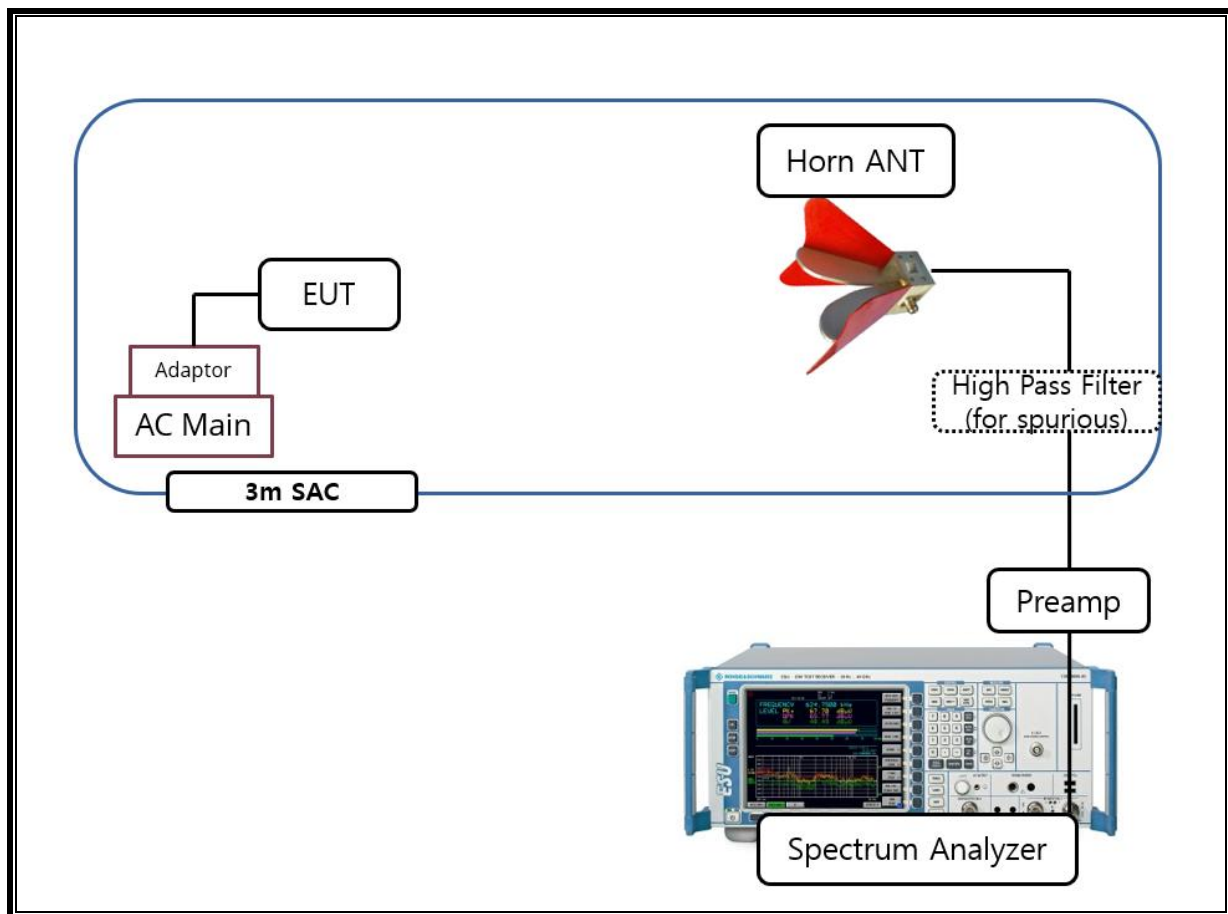
TEST SETUP

The EUT is a stand-alone unit during the tests.
Test software in hidden menu exercised the EUT to enable BLE mode.

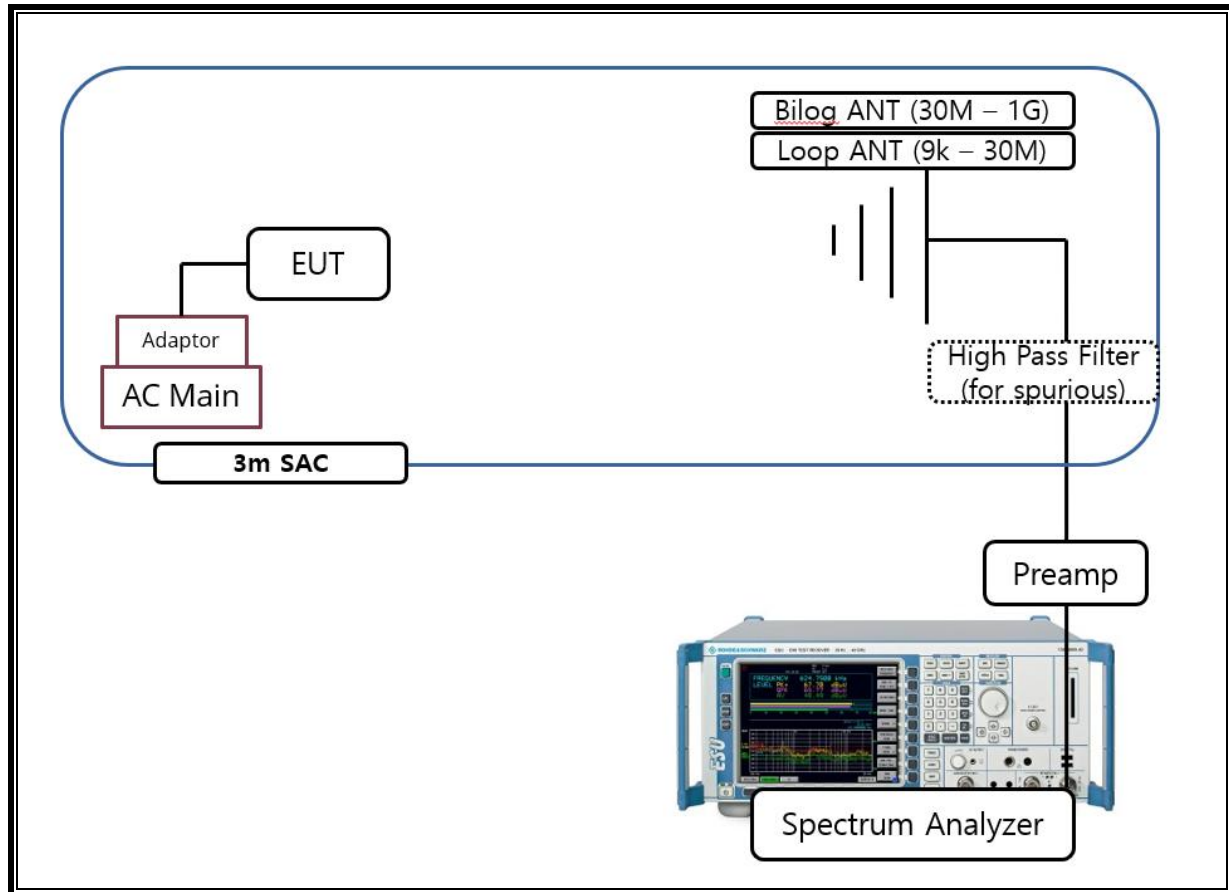
SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP) Below 1GHz



6. MEASUREMENT METHOD

6 dB BW : ANSI C63.10-2020, Section 11.8.2 Option 2

OUTPUT POWER: ANSI C63.10-2020, Section 11.9.1.1 $RBW \geq$ DTS bandwidth

POWER SPECTRAL DENSITY: ANSI C63.10-2020, Section 11.10.2 Method PKPSD (peak PSD)

Out-of-band Emissions (Conducted): ANSI C63.10-2020, Section 11.11 Emissions in nonrestricted frequency bands

Out-of-band Emissions in Non-restricted Bands: ANSI C63.10-2020, Section 11.11 Emissions in nonrestricted frequency bands

Out-of-band Emissions in Restricted Bands: ANSI C63.10-2020, Section 11.12 Emissions in restricted frequency bands

AC Power Line Conducted Emission: ANSI C63.10-2020, Section 6.2

7. 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	S/N	Cal Due
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB 9163	750	2026-07-30
Antenna, Horn, 18 GHz	ETS	3117	00168717	2026-07-17
Antenna, Horn, 40 GHz	ETS	3116C	00166155	2026-07-23
Preamplifier	ETS	3116C-PA	00168841	2026-07-28
Preamplifier, 1000 MHz	Sonoma	310N	341282	2026-07-21
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2026-07-21
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	2026-07-21
RF Switching Unit	TA Engineering	TA-018S-16	SW-1	N/A
Average Power Sensor	Agilent / HP	U2000A	MY54270007	2026-07-22
Attenuator	PASTERNAK	PE7087-10	A001	2026-07-22
Attenuator	PASTERNAK	PE7087-10	A008	2026-07-22
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2026-07-21
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2026-07-21
EMI Test Receiver, 3 GHz	R&S	ESR 3	101832	2026-11-11
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	009	2026-07-21
High Pass Filter 3GHz	Micro-Tronics	HPM17543	010	2026-07-21
LISN	R&S	ENV216	101837	2026-07-22
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2E	100900	2027-07-24
UL Software				
Description	Manufacturer	Model	Version	
Radiated software	UL	UL EMC	Ver 9.5	
AC Line Conducted software	UL	UL EMC	Ver 9.5	

8. TEST RESULTS SUMMARY

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result
15.247 (a)(2)	Occupied Bandwidth(6dB)	> 500kHz	Conducted	Complies
2.1051, 15.247(d)	Band Edge / Conducted Spurious Emission	-20 dBc		Complies
15.247 (b)(3)	TX conducted output power	< 30 dBm		Complies
15.247(e)	PSD	< 8 dBm/3kHz		Complies
15.207(a)	AC Power Line conducted emissions	Section 11	Power Line conducted	Complies
15.205, 15.209	Radiated Spurious Emission	< 54dBuV/m(Av)	Radiated	Complies

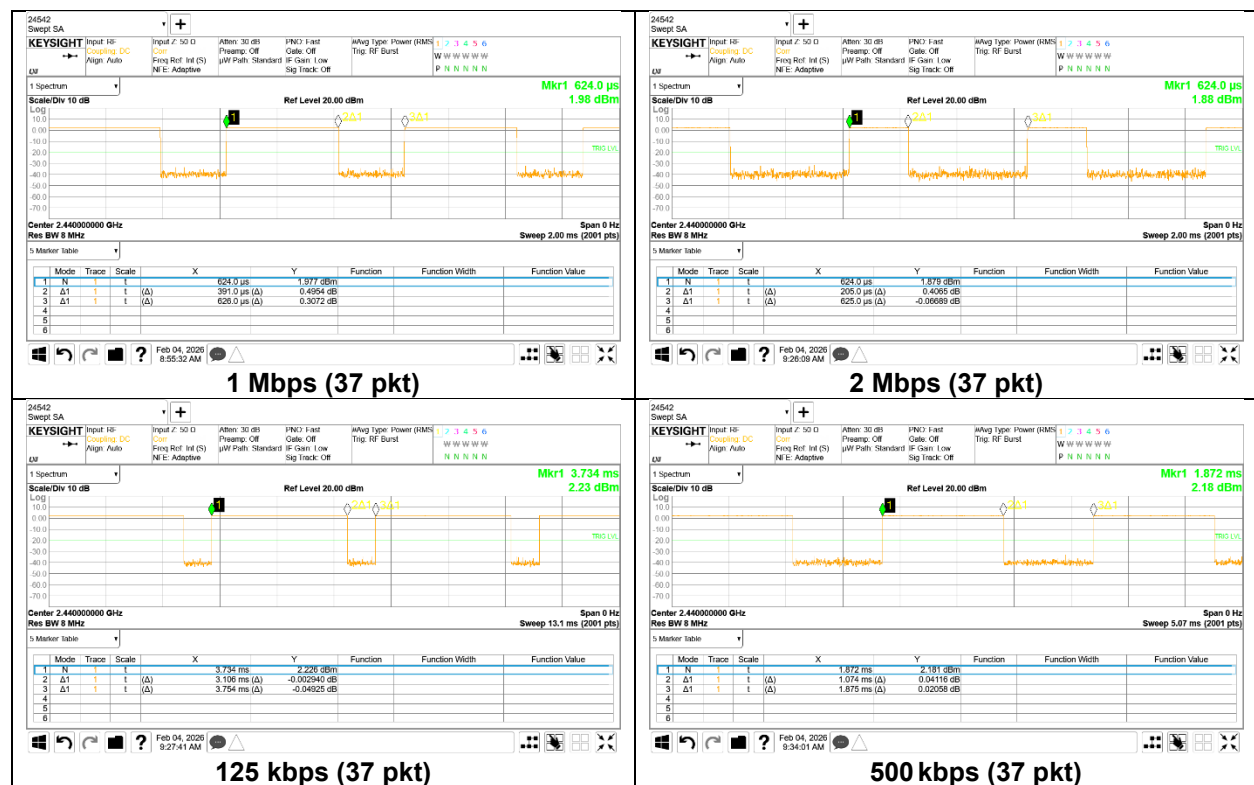
9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

Mode	On time [msec]	Period [msec]	Duty cycle x [Linear]	Duty Cycle [%]	Duty Cycle Correction Factor [dB]	1/T Minimum VBW [kHz]
2 400 ~ 2 483.5 MHz Bands						
1 Mbps [37 pkt]	0.391	0.626	0.625	62.460	2.04	2.56
1 Mbps [255 pkt]	2.135	2.502	0.853	85.332	0.69	0.47
2 Mbps [37 pkt]	0.205	0.625	0.328	32.800	4.84	4.88
2 Mbps [255 pkt]	1.076	1.875	0.574	57.387	2.41	0.93
125 kbps [37 pkt]	3.106	3.754	0.827	82.738	0.82	0.32
125 kbps [255 pkt]	17.060	17.490	0.975	97.541	0.11	0.06
500 kbps [37 pkt]	1.074	1.875	0.573	57.280	2.42	0.93
500 kbps [255 pkt]	4.565	5.002	0.913	91.263	0.40	0.22



9.2. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

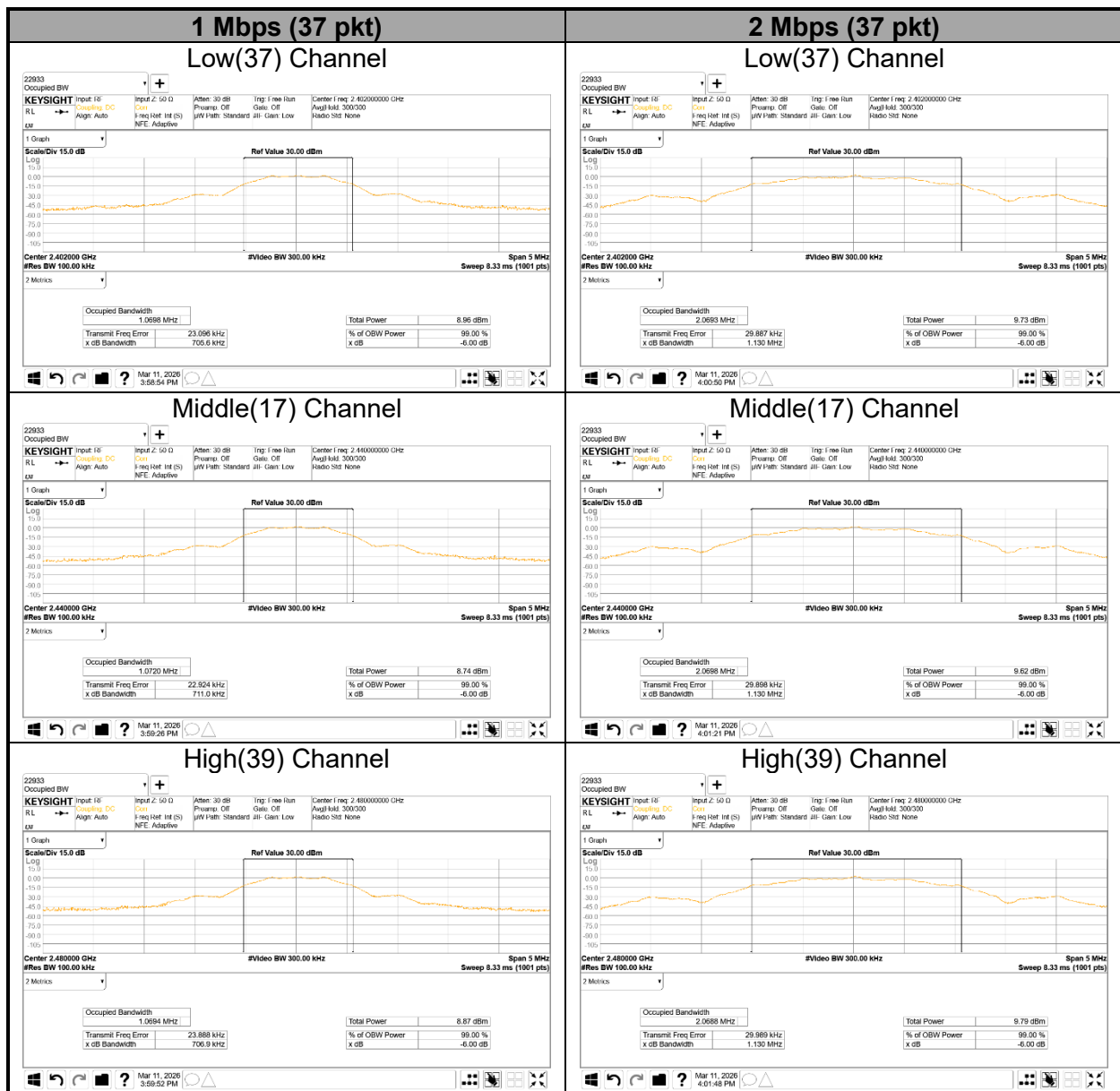
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

9.2.1. TEST DATA

Antenna	Symbol Rate [Ms/s]	Mode	Channel	Frequency [MHz]	6 dB Bandwidth [kHz]	Minimum Limit [kHz]
ANT1	1	1 Mbps (37 pkt)	37	2 402	705.6	500
			17	2 440	711.0	
			39	2 480	706.9	
	2	2 Mbps (37 pkt)	37	2 402	1130.0	
			17	2 440	1130.0	
			39	2 480	1130.0	
Worst					705.6	500

9.2.2. 6 dB BANDWIDTH PLOTS



9.3. OUTPUT POWER

LIMITS

FCC §15.247 (b) (3)

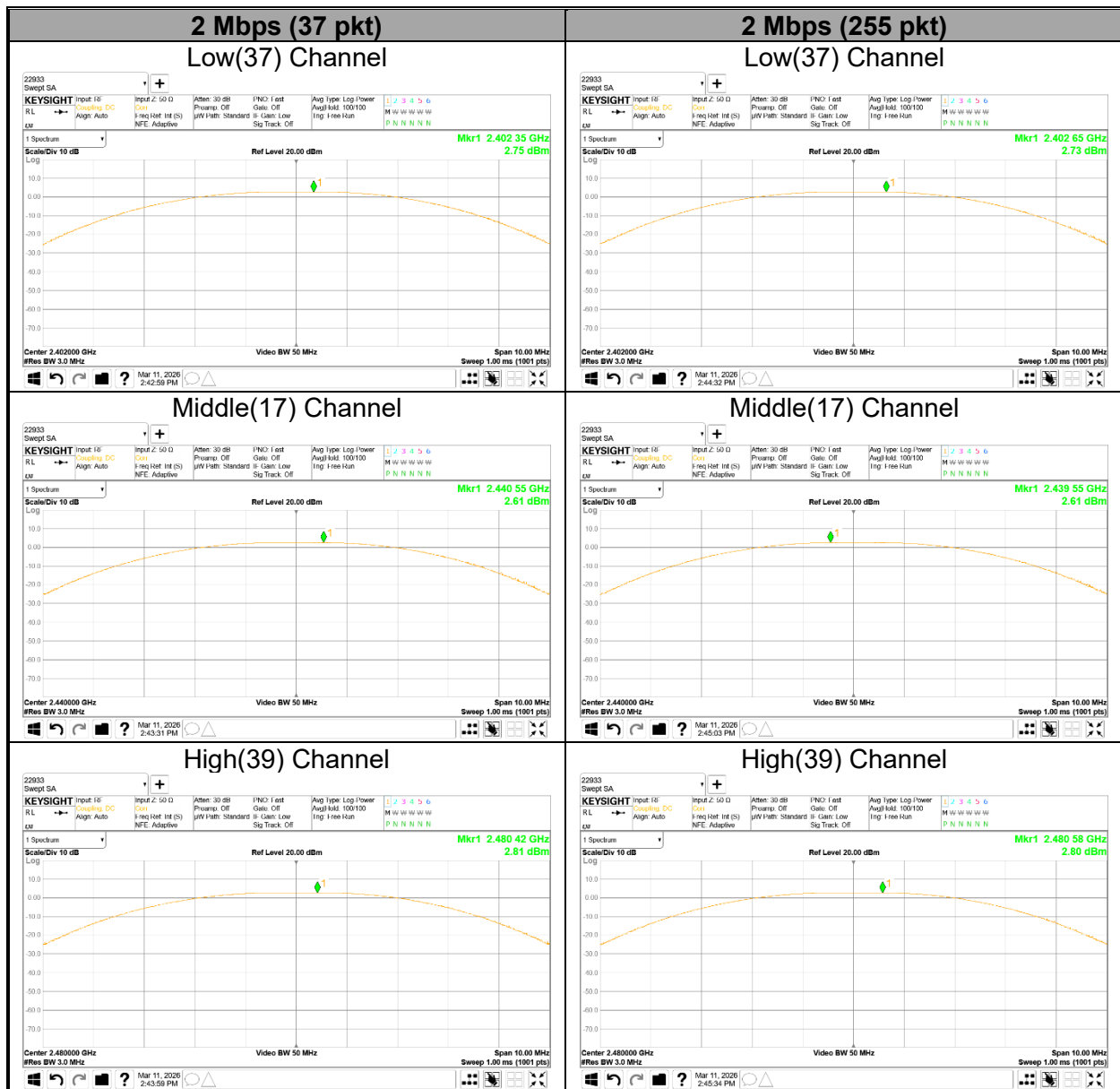
The maximum antenna gain is less than or equal to 6 dBi, therefore the limit is 30 dBm.

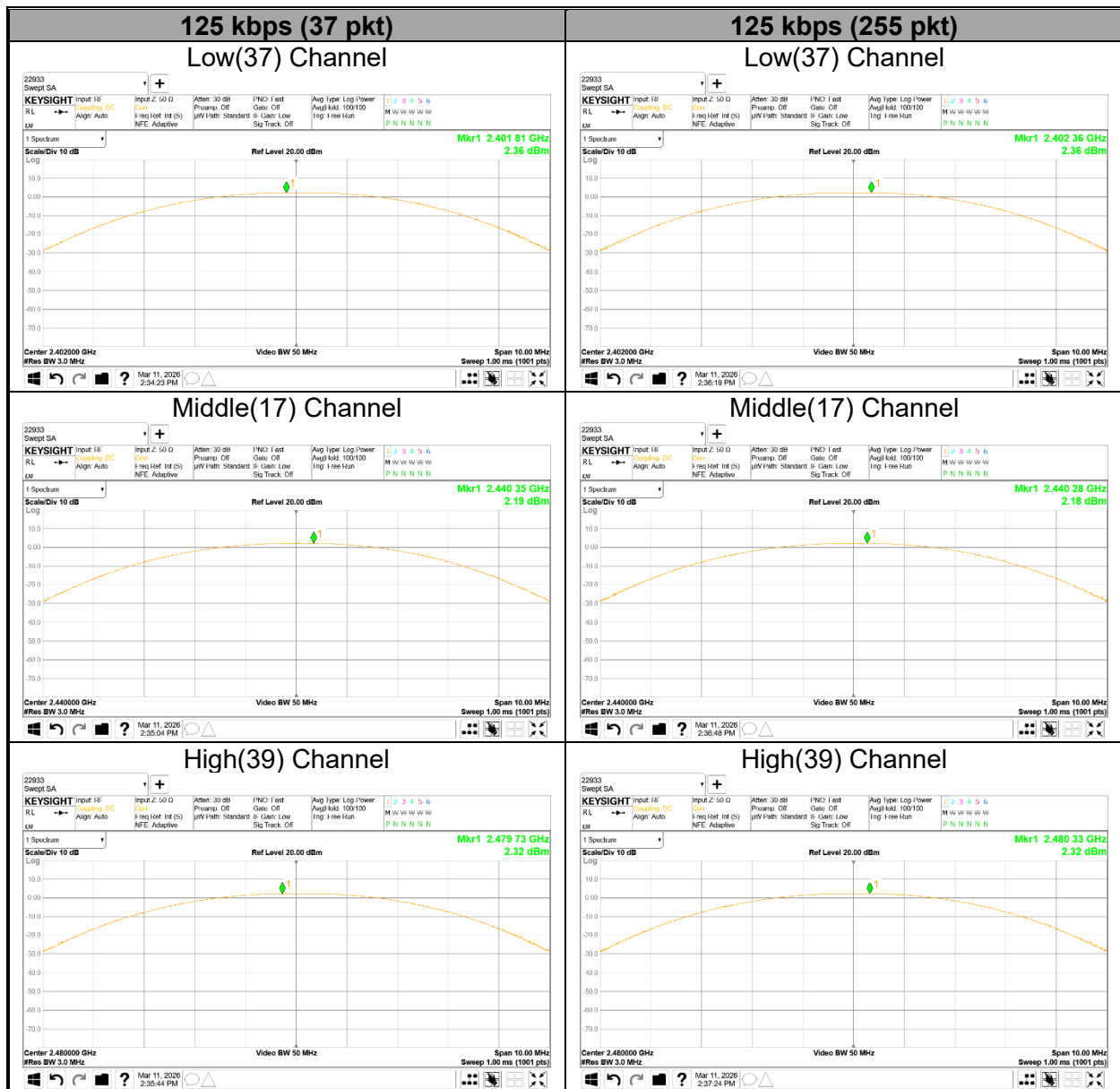
TEST PROCEDURE

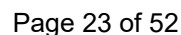
Peak power is measured using ANSI C63.10(2020) under section 11.9.1.1 utilizing spectrum analyzer(RBW $\geq$ DTS bandwidth).

9.3.1. TEST DATA

Antenna	Symbol Rate [Ms/s]	Mode	Channel	Frequency [MHz]	Peak Output Power [dBm]	Limit [dBm]	Margin [dB]
ANT1	1	1 Mbps (37 pkt)	37	2 402	2.40	30.000	-27.60
			17	2 440	2.19		-27.81
			39	2 480	2.32		-27.68
		1 Mbps (255 pkt)	37	2 402	2.38		-27.62
			17	2 440	2.21		-27.79
			39	2 480	2.33		-27.67
	2	2 Mbps (37 pkt)	37	2 402	2.75		-27.25
			17	2 440	2.61		-27.39
			39	2 480	2.81		-27.19
		2 Mbps (255 pkt)	37	2 402	2.73		-27.27
			17	2 440	2.61		-27.39
			39	2 480	2.80		-27.20
	1 Coded S=8	125 kbps (37 pkt)	37	2 402	2.36		-27.64
			17	2 440	2.19		-27.81
			39	2 480	2.32		-27.68
		125 kbps (255 pkt)	37	2 402	2.36		-27.64
			17	2 440	2.18		-27.82
			39	2 480	2.32		-27.68
	1 Coded S=2	500kbps (37 pkt)	37	2 402	2.36		-27.64
			17	2 440	2.18		-27.82
			39	2 480	2.31		-27.69
		500kbps (255 pkt)	37	2 402	2.36		-27.64
			17	2 440	2.16		-27.84
			39	2 480	2.26		-27.74
Worst					2.81		-27.19







9.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements are performed using a wideband RF frame average power sensor. The cable assembly insertion loss and duty cycle correction factors were entered as an offset in the power meter to allow for direct reading of power.

RESULTS

9.4.1. TEST DATA

Antenna	Symbol Rate [Ms/s]	Mode	Channel	Frequency [MHz]	Average Output Power [dBm]	Average Output Power [mW]
ANT1	1	1 Mbps (37 pkt)	37	2 402	2.180	1.652
			17	2 440	1.993	1.582
			39	2 480	2.140	1.637
		1 Mbps (255 pkt)	37	2 402	2.184	1.653
			17	2 440	2.000	1.585
			39	2 480	2.140	1.637
	2	2 Mbps (37 pkt)	37	2 402	2.413	1.743
			17	2 440	2.267	1.685
			39	2 480	2.414	1.743
		2 Mbps (255 pkt)	37	2 402	2.429	1.749
			17	2 440	2.292	1.695
			39	2 480	2.442	1.755
	1 Coded S=8	125 kbps (37 pkt)	37	2 402	2.220	1.667
			17	2 440	2.014	1.590
			39	2 480	2.132	1.634
		125 kbps (255 pkt)	37	2 402	2.208	1.663
			17	2 440	2.004	1.586
			39	2 480	2.118	1.629
	1 Coded S=2	500kbps (37 pkt)	37	2 402	2.192	1.657
			17	2 440	1.993	1.582
			39	2 480	2.104	1.623
		500kbps (255 pkt)	37	2 402	2.193	1.657
			17	2 440	2.001	1.585
			39	2 480	2.097	1.621

9.5. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)

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

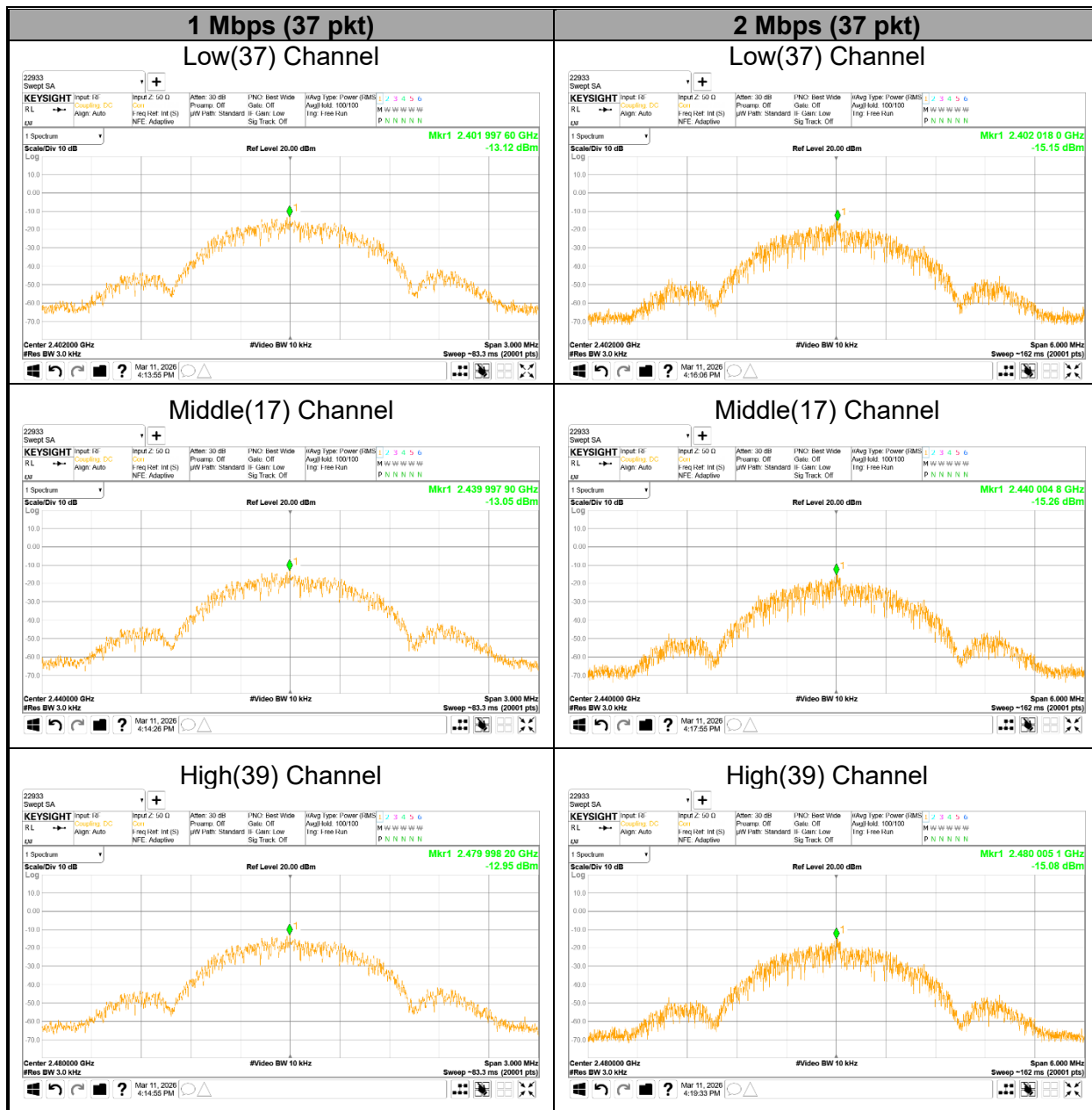
ANSI C63.10-2020, Section 11.10.2 Method PKPSD (peak PSD)

RESULTS

9.5.1. TEST DATA

Antenna	Mode	Channel	Frequency [MHz]	PSD [dBm/3kHz]	Limit [dBm/3kHz]	Margin [dB]
ANT1	1 Mbps (37 pkt)	37	2 402	-13.12	8.00	-21.12
		17	2 440	-13.05		-21.05
		39	2 480	-12.95		-20.95
	2 Mbps (37 pkt)	37	2 402	-15.15		-23.15
		17	2 440	-15.26		-23.26
		39	2 480	-15.08		-23.08
		Worst		-12.95		-20.95

9.5.2. PSD TEST PLOTS



9.6. CONDUCTED SPURIOUS EMISSIONS

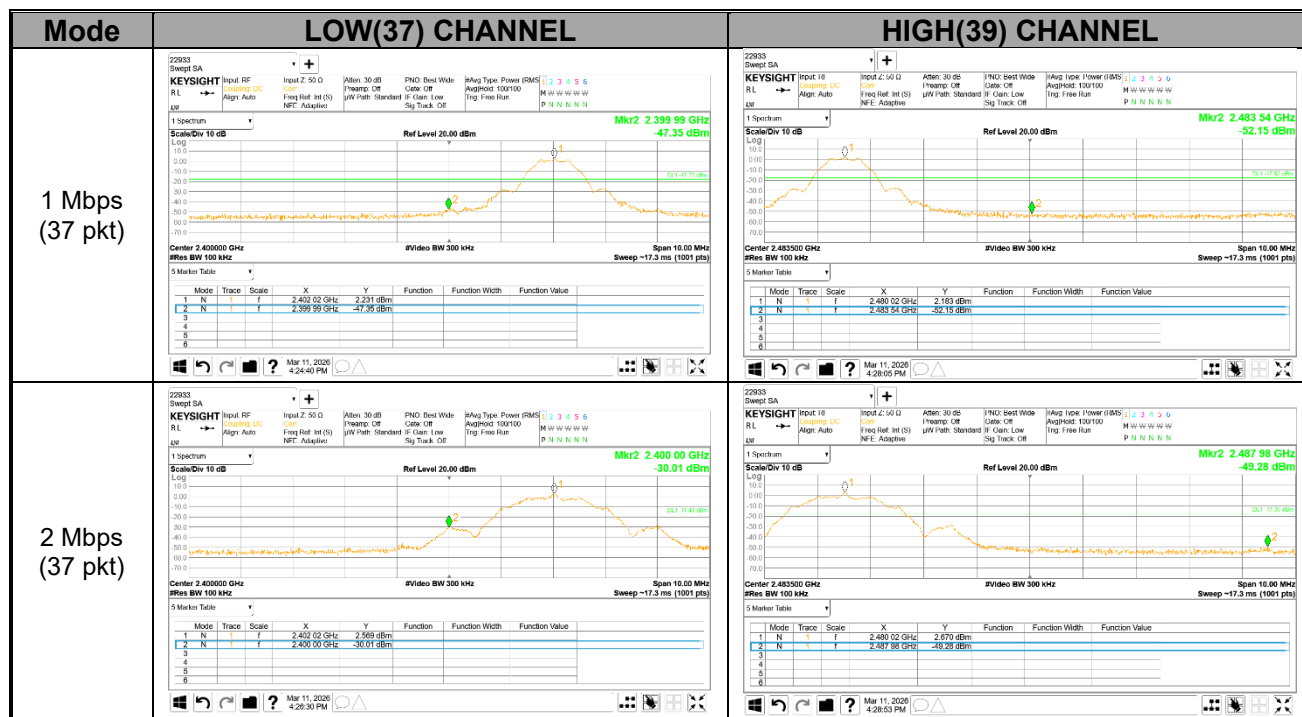
LIMITS

FCC §15.247 (d)

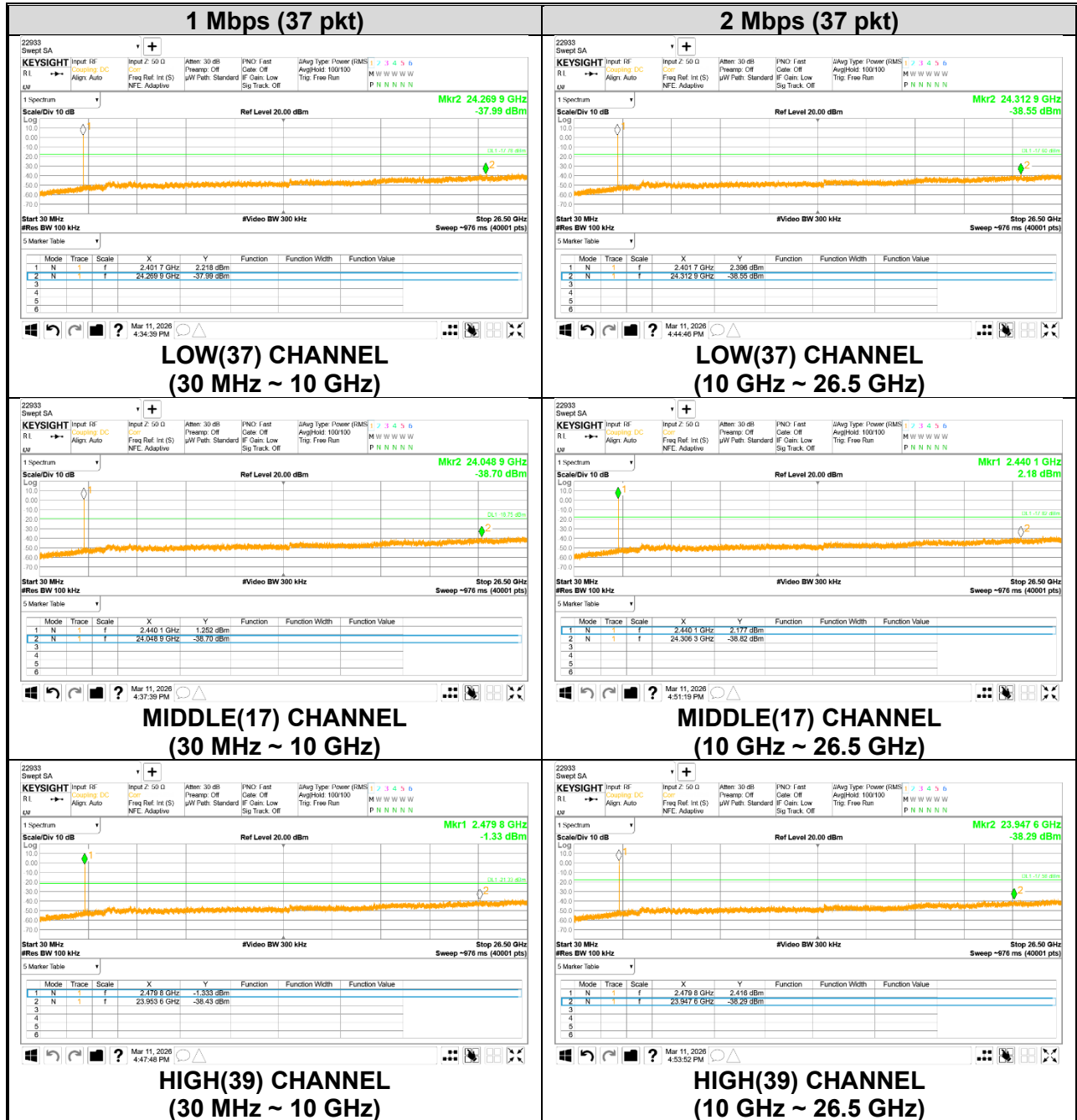
Output power was measured based on the use of a peak measurement.
Therefore, spurious emissions are required to be 20 dBc.

RESULTS

9.6.1. BANEDGE Test plot



9.6.2. OUT-OF-BAND Test plot



10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

Limits for radiated disturbance of an intentional radiator		
Frequency range (MHz)	Limits (μV/m)	Measurement Distance (m)
0.009 – 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 – 88	100**	3
88 - 216	150**	3
216 – 960	200**	3
Above 960	500	3

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

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150 cm for 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 quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements. (Restricted band-edge, Final detection of spurious harmonic emissions)

Duty cycle factor = $10 \log (1/x)$. For this sample:

Antenna	Mode	Duty cycle x [Linear]	Duty Cycle Correction Factor [dB]
ANT 1	1 Mbps [37pkt]	0.625	2.04
	2 Mbps [37pkt]	0.328	4.84
	125 kbps [37pkt]	0.827	0.82
	500 kbps [37pkt]	0.573	2.42

Worst case packet peak power: 37 pkt

Pre-scans to detect harmonic and spurious emissions, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

The spectrum from 1 GHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

(From 30MHz to 1GHz, test was performed with the EUT set to transmit at the channel with highest output power)

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.

Note : Emission was pre-scanned from 9kHz to 30MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).

Per FCC part 15.31(o), test results were not reported.

Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open are test site.

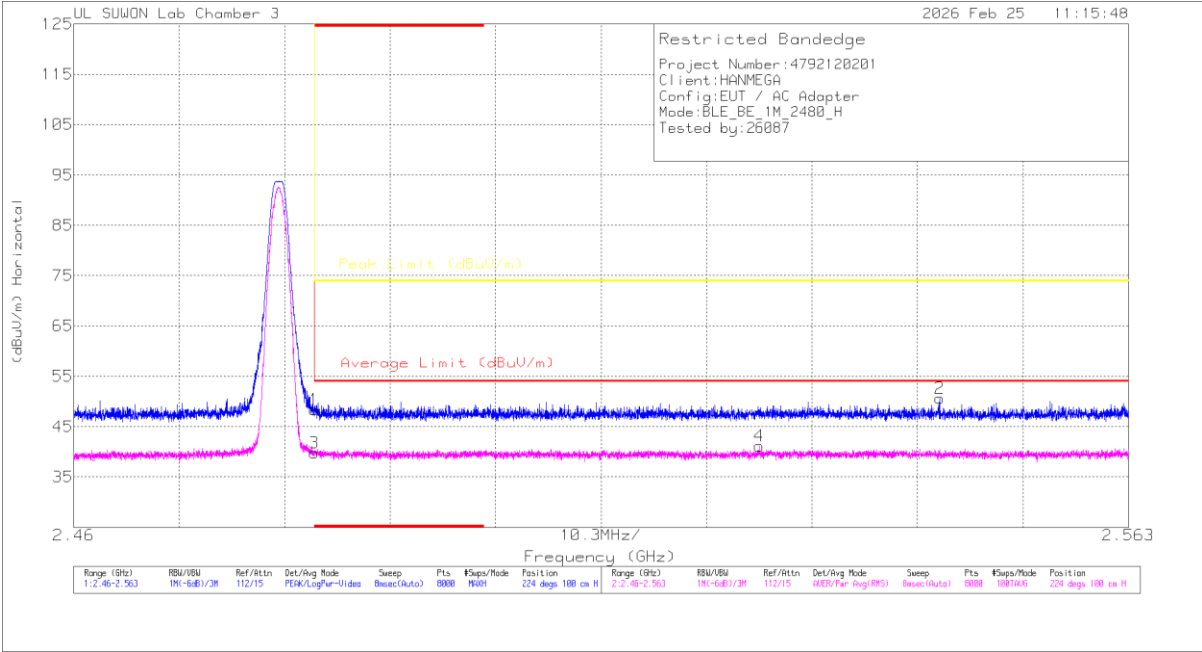
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. 1 Mbps

BANDEDGE (WORST CASE: 2480 MHz, HORIZONTAL)

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Factor (dB/m)	10dB Path Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (m)	Polarity
1	* 2.4835	40.84	PK	32.4	-24.9	0	45.34	-	-	74	-25.66	224	100	H
2	2.54455	42.98	PK	32.4	-24.7	0	50.68	-	-	74	-23.32	224	100	H
3	* 2.4835	30.25	RMS	32.4	-24.9	2.04	39.79	54	-14.21	-	-	224	100	H
4	2.52696	31.4	RMS	32.4	-24.7	2.04	41.14	54	-12.86	-	-	224	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK - Peak detector
RMS - RMS detection

BANDEDGE TEST DATA

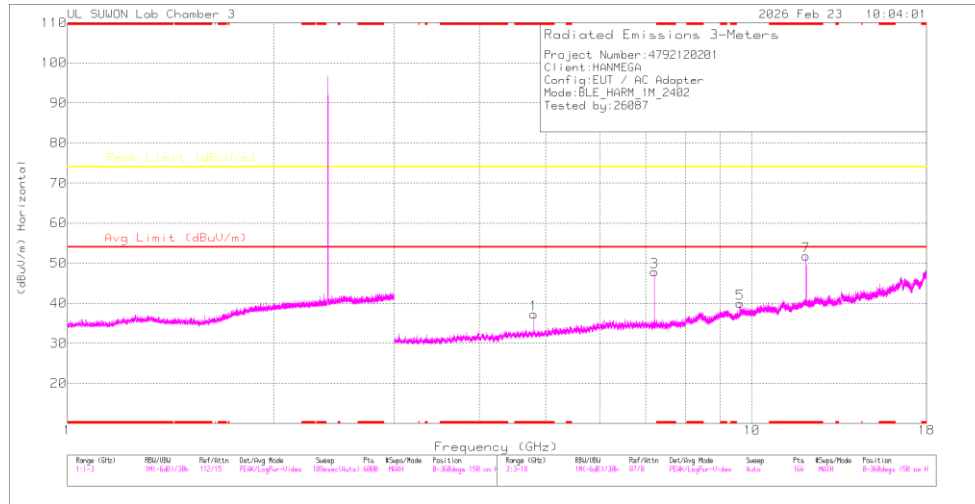
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT1	* 2.39	41.51	Pk	32.10	-24.90	0.00	48.71	-	-	74.00	-25.29	230	103	H
		* 2.3704	43.65	Pk	32.00	-25.00	0.00	50.65	-	-	74.00	-23.35	230	103	H
		* 2.39	30.51	RMS	32.10	-24.90	2.04	39.75	54.00	-14.25	-	-	230	103	H
		* 2.3702	31.66	RMS	32.00	-25.00	2.04	40.70	54.00	-13.30	-	-	230	103	H
		* 2.39	40.43	Pk	32.10	-24.90	0.00	47.63	-	-	74.00	-26.37	168	207	V
		* 2.38505	43.01	Pk	32.10	-25.00	0.00	50.11	-	-	74.00	-23.89	168	207	V
		* 2.39	30.31	RMS	32.10	-24.90	2.04	39.55	54.00	-14.45	-	-	168	207	V
		* 2.37041	31.94	RMS	32.00	-25.00	2.04	40.98	54.00	-13.02	-	-	168	207	V
		* 2.4835	40.84	Pk	32.40	-24.90	0.00	48.34	-	-	74.00	-25.66	224	100	H
		2.545	42.98	Pk	32.40	-24.70	0.00	50.68	-	-	74.00	-23.32	224	100	H
2480	ANT1	* 2.4835	30.25	RMS	32.40	-24.90	2.04	39.79	54.00	-14.21	-	-	224	100	H
		2.527	31.40	RMS	32.40	-24.70	2.04	41.14	54.00	-12.86	-	-	224	100	H
		* 2.4835	42.40	Pk	32.40	-24.90	0.00	49.90	-	-	74.00	-24.10	166	251	V
		* 2.48375	43.55	Pk	32.40	-24.90	0.00	51.05	-	-	74.00	-22.95	166	251	V
		* 2.4835	30.35	RMS	32.40	-24.90	2.04	39.89	54.00	-14.11	-	-	166	251	V
		2.558	31.07	RMS	32.40	-24.70	2.04	40.81	54.00	-13.19	-	-	166	251	V

Note1. Pk - Peak detector, RMS - RMS detector

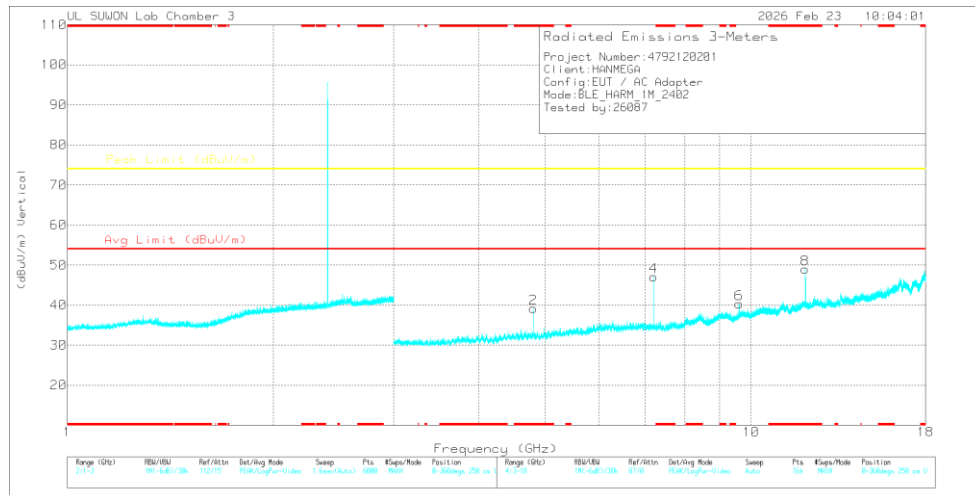
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 2402 MHz)

2402 MHz RESULTS



HORIZONTAL



VERTICAL

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dB/m)	3GHz_HP_Pat h Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.80366	42.61	PK2	34.3	-30.1	0	46.81	-	-	74	-27.19	220	128	H
* 4.80393	32.92	MAV1	34.3	-30.1	2.04	39.16	54	-14.84	-	-	220	128	H
* 4.80405	43.17	PK2	34.3	-30.1	0	47.37	-	-	74	-26.63	338	108	V
* 4.80353	34.26	MAV1	34.3	-30.1	2.04	40.5	54	-13.5	-	-	338	108	V
7.20602	42.67	PK2	35.8	-25.8	0	52.67	-	-	74	-21.33	308	103	H
7.2053	42.58	PK2	35.8	-25.8	0	52.58	-	-	74	-21.42	153	116	V
9.60908	34.39	PK2	36.7	-21.7	0	49.39	-	-	74	-24.61	82	106	H
9.60914	34.35	PK2	36.7	-21.7	0	49.35	-	-	74	-24.65	175	133	V
* 12.01151	39.6	PK2	38.7	-21.6	0	56.7	-	-	74	-17.3	242	203	H
* 12.00894	31	MAV1	38.7	-21.6	2.04	50.14	54	-3.86	-	-	242	203	H
* 12.00901	37.79	PK2	38.7	-21.6	0	54.89	-	-	74	-19.11	158	122	V
* 12.00881	28.66	MAV1	38.7	-21.6	2.04	47.8	54	-6.2	-	-	158	122	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
* 4.80366	42.61	PK2	34.30	-30.10	0.00	46.81	-	-	74.00	-27.19	220	128	H
* 4.80393	32.92	MAV1	34.30	-30.10	2.04	39.16	54.00	-14.84	-	-	220	128	H
* 4.80405	43.17	PK2	34.30	-30.10	0.00	47.37	-	-	74.00	-26.63	338	108	V
* 4.80353	34.26	MAV1	34.30	-30.10	2.04	40.50	54.00	-13.50	-	-	338	108	V
7.206	42.67	PK2	35.80	-25.80	0.00	52.67	-	-	74.00	-21.33	308	103	H
7.205	42.58	PK2	35.80	-25.80	0.00	52.58	-	-	74.00	-21.42	153	116	V
9.609	34.39	PK2	36.70	-21.70	0.00	49.39	-	-	74.00	-24.61	82	106	H
9.609	34.35	PK2	36.70	-21.70	0.00	49.35	-	-	74.00	-24.65	175	133	V
* 12.01151	39.60	PK2	38.70	-21.60	0.00	56.70	-	-	74.00	-17.30	242	203	H
* 12.00894	31.00	MAV1	38.70	-21.60	2.04	50.14	54.00	-3.86	-	-	242	203	H
* 12.00901	37.79	PK2	38.70	-21.60	0.00	54.89	-	-	74.00	-19.11	158	122	V
* 12.00881	28.66	MAV1	38.70	-21.60	2.04	47.80	54.00	-6.20	-	-	158	122	V
* 4.87954	42.38	PK2	34.20	-30.80	0.00	45.78	-	-	74.00	-28.22	31	132	H
* 4.87976	33.16	MAV1	34.20	-30.80	2.04	38.60	54.00	-15.40	-	-	31	132	H
* 4.8805	43.39	PK2	34.20	-30.80	0.00	46.79	-	-	74.00	-27.21	207	100	V
* 4.87955	34.32	MAV1	34.20	-30.80	2.04	39.76	54.00	-14.24	-	-	207	100	V
* 7.31932	43.37	PK2	35.80	-25.30	0.00	53.87	-	-	74.00	-20.13	331	100	H
* 7.31934	35.53	MAV1	35.80	-25.30	2.04	48.07	54.00	-5.93	-	-	331	100	H
* 7.32014	41.79	PK2	35.80	-25.30	0.00	52.29	-	-	74.00	-21.71	155	115	V
* 7.3192	33.36	MAV1	35.80	-25.30	2.04	45.90	54.00	-8.10	-	-	155	115	V
9.761	34.23	PK2	36.90	-21.30	0.00	49.83	-	-	74.00	-24.17	86	219	H
9.759	34.29	PK2	36.90	-21.30	0.00	49.89	-	-	74.00	-24.11	332	103	V
* 12.20119	37.74	PK2	39.00	-21.20	0.00	55.54	-	-	74.00	-18.46	242	203	H
* 12.19878	28.45	MAV1	39.00	-21.30	2.04	48.19	54.00	-5.81	-	-	242	203	H
* 12.2013	35.83	PK2	39.00	-21.20	0.00	53.63	-	-	74.00	-20.37	215	111	V
* 12.19876	25.86	MAV1	39.00	-21.30	2.04	45.60	54.00	-8.40	-	-	215	111	V
* 4.95941	42.19	PK2	34.30	-30.40	0.00	46.09	-	-	74.00	-27.91	233	118	H
* 4.95963	32.79	MAV1	34.30	-30.40	2.04	38.73	54.00	-15.27	-	-	233	118	H
* 4.96049	43.32	PK2	34.30	-30.30	0.00	47.32	-	-	74.00	-26.68	224	122	V
* 4.95971	34.86	MAV1	34.30	-30.40	2.04	40.80	54.00	-13.20	-	-	224	122	V
* 7.44086	42.12	PK2	35.70	-25.00	0.00	52.82	-	-	74.00	-21.18	329	104	H
* 7.43934	34.39	MAV1	35.70	-25.00	2.04	47.13	54.00	-6.87	-	-	329	104	H
* 7.44003	41.14	PK2	35.70	-25.00	0.00	51.84	-	-	74.00	-22.16	123	100	V
* 7.43947	32.33	MAV1	35.70	-25.00	2.04	45.07	54.00	-8.93	-	-	123	100	V
9.921	35.71	PK2	37.10	-21.40	0.00	51.41	-	-	74.00	-22.59	265	101	H
9.921	34.99	PK2	37.10	-21.40	0.00	50.69	-	-	74.00	-23.31	181	111	V
* 12.40127	36.08	PK2	39.20	-21.60	0.00	53.68	-	-	74.00	-20.32	238	203	H
* 12.39898	26.54	MAV1	39.20	-21.70	2.04	46.08	54.00	-7.92	-	-	238	203	H
* 12.39879	33.69	PK2	39.20	-21.70	0.00	51.19	-	-	74.00	-22.81	229	297	V
* 12.4014	22.74	MAV1	39.20	-21.60	2.04	42.38	54.00	-11.62	-	-	229	297	V

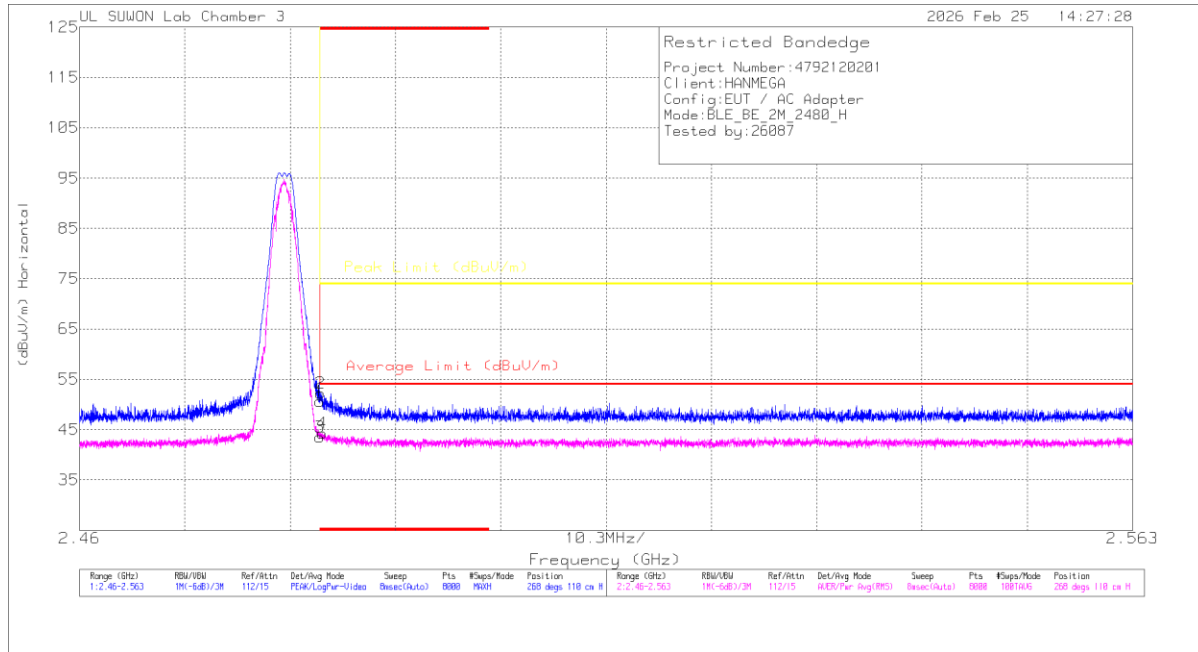
Note1. PK2 - KDB558074 Method: Maximum Peak / MAV1 - KDB558074 Option 1 Maximum RMS Average

Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

10.2.2. 2 Mbps

BANDEDGE (WORST CASE: 2480 MHz, HORIZONTAL)

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dBm)	10dB_Path 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	* 2.4835	43.11	Pk	32.4	-24.9	0	50.61	-	-	74	-23.39	268	110	H
2	* 2.48356	44.8	Pk	32.4	-24.9	0	52.3	-	-	74	-21.7	268	110	H
3	* 2.4835	31.13	RMS	32.4	-24.9	4.84	43.47	54	-10.53	-	-	268	110	H
4	* 2.48376	31.99	RMS	32.4	-24.9	4.84	44.33	54	-9.67	-	-	268	110	H

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE TEST DATA

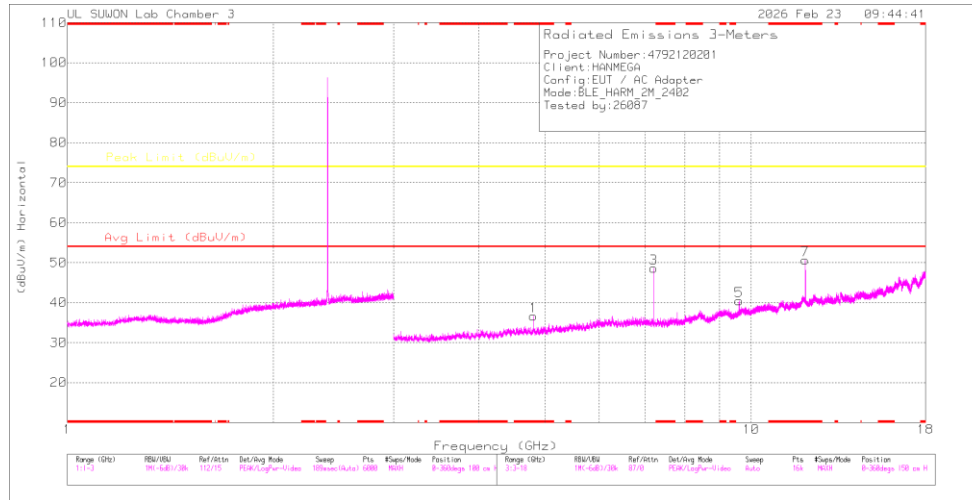
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result dBuV/m	AV Limit dBuV/m	AV Margin [dB]	PK Limit dBuV/m	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT 1	* 2.39	40.37	Pk	32.10	-24.90	0.00	47.57	-	-	74.00	-26.43	229	103	H
		* 2.38524	43.84	Pk	32.10	-25.00	0.00	50.94	-	-	74.00	-23.06	229	103	H
		* 2.39	30.57	RMS	32.10	-24.90	4.84	42.61	54.00	-11.39	-	-	229	103	H
		* 2.3699	31.86	RMS	32.00	-25.00	4.84	43.70	54.00	-10.30	-	-	229	103	H
		* 2.39	39.34	Pk	32.10	-24.90	0.00	46.54	-	-	74.00	-27.46	168	329	V
		* 2.38258	42.51	Pk	32.10	-25.00	0.00	49.61	-	-	74.00	-24.39	168	329	V
		* 2.39	30.23	RMS	32.10	-24.90	4.84	42.27	54.00	-11.73	-	-	168	329	V
		* 2.37004	31.21	RMS	32.00	-25.00	4.84	43.05	54.00	-10.95	-	-	168	329	V
		* 2.4835	43.11	Pk	32.40	-24.90	0.00	50.61	-	-	74.00	-23.39	268	110	H
		* 2.48356	44.80	Pk	32.40	-24.90	0.00	52.30	-	-	74.00	-21.70	268	110	H
2480	ANT 1	* 2.4835	31.13	RMS	32.40	-24.90	4.84	43.47	54.00	-10.53	-	-	268	110	H
		* 2.48376	31.99	RMS	32.40	-24.90	4.84	44.33	54.00	-9.67	-	-	268	110	H
		* 2.4835	42.95	Pk	32.40	-24.90	0.00	50.45	-	-	74.00	-23.55	169	251	V
		* 2.48395	44.02	Pk	32.40	-24.90	0.00	51.52	-	-	74.00	-22.48	169	251	V
		* 2.4835	30.50	RMS	32.40	-24.90	4.84	42.84	54.00	-11.16	-	-	169	251	V
		* 2.48358	31.73	RMS	32.40	-24.90	4.84	44.07	54.00	-9.93	-	-	169	251	V

Note1. Pk - Peak detector, RMS - RMS detector

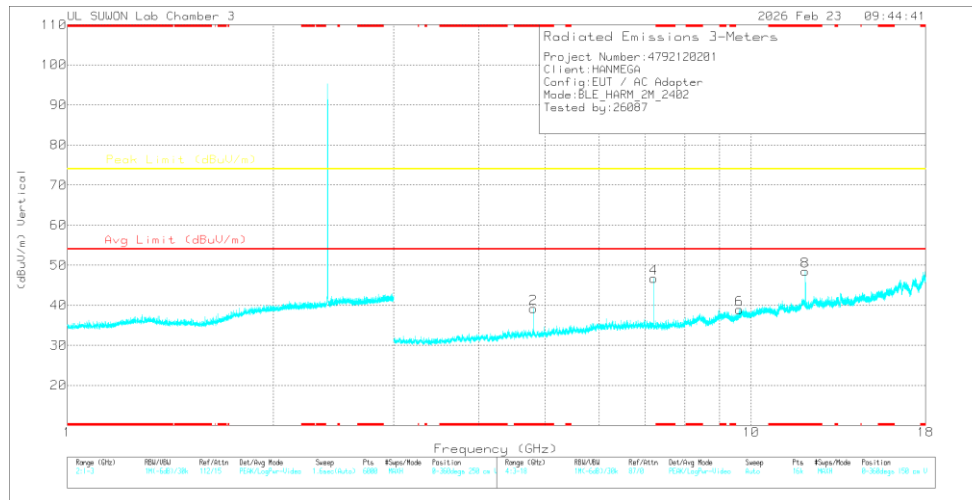
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 2402 MHz)

2402 MHz RESULTS



HORIZONTAL



VERTICAL

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dB/m)	3GHz_HP_Pat h Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.80491	42.29	PK2	34.3	-30.1	0	46.49	-	-	74	-27.51	286	100	H
* 4.80415	31.28	MAV1	34.3	-30.1	4.84	40.32	54	-13.68	-	-	286	100	H
* 4.804	43.17	PK2	34.3	-30.1	0	47.37	-	-	74	-26.63	328	118	V
* 4.80304	30.88	MAV1	34.3	-30.1	4.84	39.92	54	-14.08	-	-	328	118	V
7.2046	44.5	PK2	35.8	-25.8	0	54.5	-	-	74	-19.5	308	104	H
7.20602	43.53	PK2	35.8	-25.8	0	53.53	-	-	74	-20.47	153	116	V
9.60617	34.19	PK2	36.7	-21.7	0	49.19	-	-	74	-24.81	84	101	H
9.60805	32.58	PK2	36.7	-21.7	0	47.58	-	-	74	-26.42	267	110	V
* 12.00761	42.28	PK2	38.7	-21.7	0	59.28	-	-	74	-14.72	258	200	H
* 12.00788	30.88	MAV1	38.7	-21.7	4.84	52.72	54	-1.28	-	-	258	200	H
* 12.01022	40.21	PK2	38.7	-21.6	0	57.31	-	-	74	-16.69	160	132	V
* 12.00786	27.81	MAV1	38.7	-21.7	4.84	49.65	54	-4.35	-	-	160	132	V

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

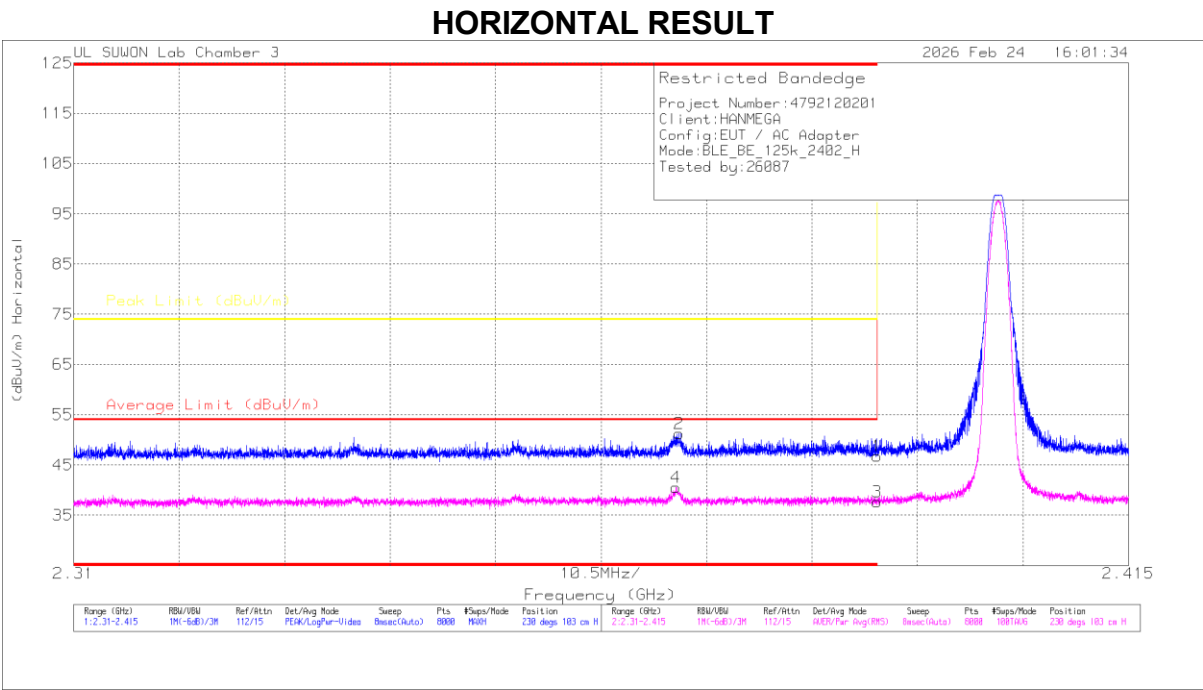
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT 1	* 4.80491	42.29	PK2	34.30	-30.10	0.00	46.49	-	-	74.00	-27.51	286	100	H
		* 4.80415	31.28	MAv1	34.30	-30.10	4.84	40.32	54.00	-13.68	-	-	286	100	H
		* 4.804	43.17	PK2	34.30	-30.10	0.00	47.37	-	-	74.00	-26.63	328	118	V
		* 4.80304	30.88	MAv1	34.30	-30.10	4.84	39.92	54.00	-14.08	-	-	328	118	V
		7.205	44.50	PK2	35.80	-25.80	0.00	54.50	-	-	74.00	-19.50	308	104	H
		7.206	43.53	PK2	35.80	-25.80	0.00	53.53	-	-	74.00	-20.47	153	116	V
		9.606	34.19	PK2	36.70	-21.70	0.00	49.19	-	-	74.00	-24.81	84	101	H
		9.608	32.58	PK2	36.70	-21.70	0.00	47.58	-	-	74.00	-26.42	267	110	V
		* 12.00761	42.28	PK2	38.70	-21.70	0.00	59.28	-	-	74.00	-14.72	258	200	H
		* 12.00788	30.88	MAv1	38.70	-21.70	4.84	52.72	54.00	-1.28	-	-	258	200	H
		* 12.01022	40.21	PK2	38.70	-21.60	0.00	57.31	-	-	74.00	-16.69	160	132	V
		* 12.00786	27.81	MAv1	38.70	-21.70	4.84	49.65	54.00	-4.35	-	-	160	132	V
		* 4.88011	42.64	PK2	34.20	-30.80	0.00	46.04	-	-	74.00	-27.96	296	100	H
		* 4.87971	30.72	MAv1	34.20	-30.80	4.84	38.96	54.00	-15.04	-	-	296	100	H
2440	ANT 1	* 4.87997	42.49	PK2	34.20	-30.80	0.00	45.89	-	-	74.00	-28.11	207	110	V
		* 4.87913	30.65	MAv1	34.20	-30.80	4.84	38.89	54.00	-15.11	-	-	207	110	V
		* 7.31861	44.34	PK2	35.80	-25.30	0.00	54.84	-	-	74.00	-19.16	339	117	H
		* 7.32135	33.47	MAv1	35.80	-25.20	4.84	48.91	54.00	-5.09	-	-	339	117	H
		* 7.3201	42.91	PK2	35.80	-25.30	0.00	53.41	-	-	74.00	-20.59	156	101	V
		* 7.3187	32.35	MAv1	35.80	-25.30	4.84	47.69	54.00	-6.31	-	-	156	101	V
		9.760	33.42	PK2	36.90	-21.30	0.00	49.02	-	-	74.00	-24.98	93	220	H
		9.762	32.29	PK2	36.90	-21.40	0.00	47.79	-	-	74.00	-26.21	330	100	V
		* 12.20266	40.44	PK2	39.00	-21.20	0.00	58.24	-	-	74.00	-15.76	261	211	H
		* 12.19772	29.06	MAv1	39.00	-21.30	4.84	51.60	54.00	-2.40	-	-	261	211	H
		* 12.19777	36.63	PK2	39.00	-21.30	0.00	54.33	-	-	74.00	-19.67	217	108	V
		* 12.19767	25.22	MAv1	39.00	-21.30	4.84	47.76	54.00	-6.24	-	-	217	108	V
		* 4.9593	42.82	PK2	34.30	-30.40	0.00	46.72	-	-	74.00	-27.28	223	123	H
		* 4.95893	31.15	MAv1	34.30	-30.40	4.84	39.89	54.00	-14.11	-	-	223	123	H
2480	ANT 1	* 4.95899	42.28	PK2	34.30	-30.40	0.00	46.18	-	-	74.00	-27.82	239	101	V
		* 4.95903	30.00	MAv1	34.30	-30.40	4.84	38.74	54.00	-15.26	-	-	239	101	V
		* 7.43862	43.17	PK2	35.70	-24.90	0.00	53.97	-	-	74.00	-20.03	334	100	H
		* 7.43872	32.97	MAv1	35.70	-24.90	4.84	48.61	54.00	-5.39	-	-	334	100	H
		* 7.43853	42.11	PK2	35.70	-24.90	0.00	52.91	-	-	74.00	-21.09	317	233	V
		* 7.43878	31.60	MAv1	35.70	-24.90	4.84	47.24	54.00	-6.76	-	-	317	233	V
		9.918	37.13	PK2	37.10	-21.50	0.00	52.73	-	-	74.00	-21.27	260	101	H
		9.920	35.14	PK2	37.10	-21.50	0.00	50.74	-	-	74.00	-23.26	176	100	V
		* 12.40271	36.91	PK2	39.20	-21.60	0.00	54.51	-	-	74.00	-19.49	255	206	H
		* 12.40223	24.57	MAv1	39.20	-21.60	4.84	47.01	54.00	-6.99	-	-	255	206	H
		* 12.40008	34.62	PK2	39.20	-21.60	0.00	52.22	-	-	74.00	-21.78	227	113	V
		* 12.39772	22.20	MAv1	39.20	-21.70	4.84	44.54	54.00	-9.46	-	-	227	113	V

Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average

Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

10.2.3. 125 kbps

BANDEDGE (WORST CASE: 2402 MHz, HORIZONTAL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dBm)	10dB_Path 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	* 2.39	39.55	Pk	32.1	-24.9	0	46.75	-	-	74	-27.25	230	103	H
2	* 2.37027	44.29	Pk	32	-25	0	51.29	-	-	74	-22.71	230	103	H
3	* 2.39	29.68	RMS	32.1	-24.9	.82	37.7	54	-16.3	-	-	230	103	H
4	* 2.36995	32.7	RMS	32	-25	.82	40.52	54	-13.48	-	-	230	103	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE TEST DATA

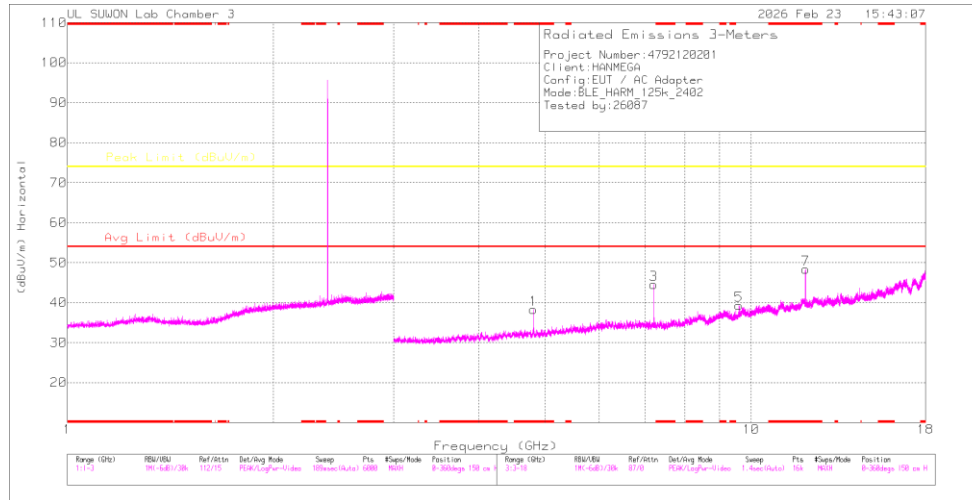
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT1	* 2.39	39.55	Pk	32.10	-24.90	0.00	46.75	-	-	74.00	-27.25	230	103	H
		* 2.37027	44.29	Pk	32.00	-25.00	0.00	51.29	-	-	74.00	-22.71	230	103	H
		* 2.39	29.68	RMS	32.10	-24.90	0.82	37.70	54.00	-16.30	-	-	230	103	H
		* 2.36995	32.70	RMS	32.00	-25.00	0.82	40.52	54.00	-13.48	-	-	230	103	H
		* 2.39	39.18	Pk	32.10	-24.90	0.00	46.38	-	-	74.00	-27.62	166	328	V
		* 2.33402	42.62	Pk	31.90	-24.90	0.00	49.62	-	-	74.00	-24.38	166	328	V
		* 2.39	30.48	RMS	32.10	-24.90	0.82	38.50	54.00	-15.50	-	-	166	328	V
		* 2.38914	31.05	RMS	32.10	-24.90	0.82	39.07	54.00	-14.93	-	-	166	328	V
		* 2.4835	42.09	Pk	32.40	-24.90	0.00	49.59	-	-	74.00	-24.41	263	156	H
		* 2.48381	44.10	Pk	32.40	-24.90	0.00	51.60	-	-	74.00	-22.40	263	156	H
2480	ANT1	* 2.4835	30.99	RMS	32.40	-24.90	0.82	39.31	54.00	-14.69	-	-	263	156	H
		* 2.48354	31.44	RMS	32.40	-24.90	0.82	39.76	54.00	-14.24	-	-	263	156	H
		* 2.4835	40.20	Pk	32.40	-24.90	0.00	47.70	-	-	74.00	-26.30	166	251	V
		2.543	42.33	Pk	32.40	-24.70	0.00	50.03	-	-	74.00	-23.97	166	251	V
		* 2.4835	30.92	RMS	32.40	-24.90	0.82	39.24	54.00	-14.76	-	-	166	251	V
		2.530	31.04	RMS	32.40	-24.70	0.82	39.56	54.00	-14.44	-	-	166	251	V

Note1. Pk - Peak detector, RMS - RMS detector

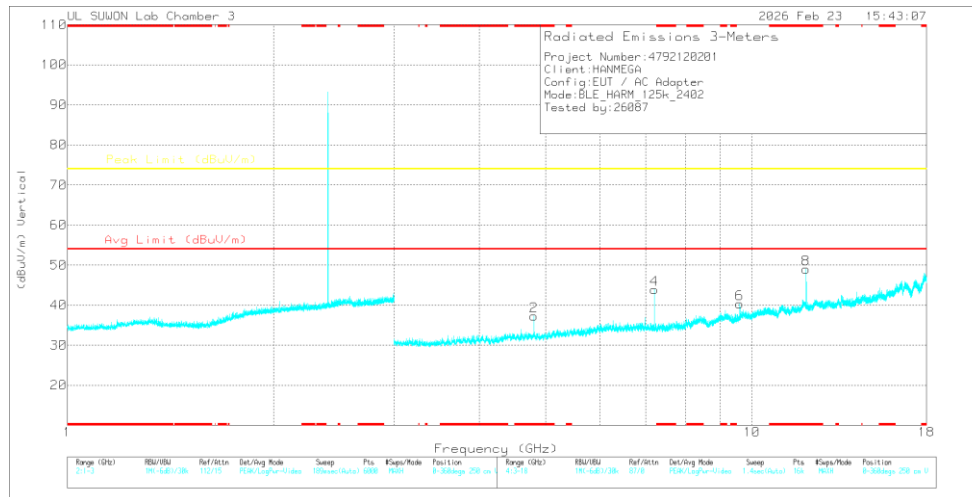
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 2402 MHz)

2402 MHz RESULTS



HORIZONTAL



VERTICAL

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dB/m)	3GHz_HP_Pat h Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.80447	43.08	PK2	34.3	-30.1	0	47.28	-	-	74	-26.72	245	116	H
* 4.80433	34.05	MAV1	34.3	-30.1	.82	39.07	54	-14.93	-	-	245	116	H
* 4.80357	41.67	PK2	34.3	-30.1	0	45.87	-	-	74	-28.13	311	100	V
* 4.80348	33.12	MAV1	34.3	-30.1	.82	38.14	54	-15.86	-	-	311	100	V
7.2067	43.06	PK2	35.8	-25.8	0	53.06	-	-	74	-20.94	306	106	H
7.20531	42.48	PK2	35.8	-25.8	0	52.48	-	-	74	-21.52	155	125	V
9.60746	34.35	PK2	36.7	-21.7	0	49.35	-	-	74	-24.65	90	230	H
9.60693	34.9	PK2	36.7	-21.7	0	49.9	-	-	74	-24.1	191	141	V
* 12.01129	39.68	PK2	38.7	-21.6	0	56.78	-	-	74	-17.22	263	213	H
* 12.01118	32.36	MAV1	38.7	-21.6	.82	50.28	54	-3.72	-	-	263	213	H
* 12.00881	38.47	PK2	38.7	-21.6	0	55.57	-	-	74	-18.43	163	140	V
* 12.00876	29.59	MAV1	38.7	-21.6	.82	47.51	54	-6.49	-	-	163	140	V

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT 1	* 4.80447	43.08	PK2	34.30	-30.10	0.00	47.28	-	-	74.00	-26.72	245	116	H
		* 4.80433	34.05	MAv1	34.30	-30.10	0.82	39.07	54.00	-14.93	-	-	245	116	H
		* 4.80357	41.67	PK2	34.30	-30.10	0.00	45.87	-	-	74.00	-28.13	311	100	V
		* 4.80348	33.12	MAv1	34.30	-30.10	0.82	38.14	54.00	-15.86	-	-	311	100	V
		7.207	43.06	PK2	35.80	-25.80	0.00	53.06	-	-	74.00	-20.94	306	106	H
		7.205	42.48	PK2	35.80	-25.80	0.00	52.48	-	-	74.00	-21.52	155	125	V
		9.607	34.35	PK2	36.70	-21.70	0.00	49.35	-	-	74.00	-24.65	90	230	H
		9.607	34.90	PK2	36.70	-21.70	0.00	49.90	-	-	74.00	-24.10	191	141	V
		* 12.01129	39.68	PK2	38.70	-21.60	0.00	56.78	-	-	74.00	-17.22	263	213	H
		* 12.01118	32.36	MAv1	38.70	-21.60	0.82	50.28	54.00	-3.72	-	-	263	213	H
		* 12.00881	38.47	PK2	38.70	-21.60	0.00	55.57	-	-	74.00	-18.43	163	140	V
		* 12.00876	29.59	MAv1	38.70	-21.60	0.82	47.51	54.00	-6.49	-	-	163	140	V
		* 4.87955	42.49	PK2	34.20	-30.80	0.00	45.89	-	-	74.00	-28.11	246	360	H
		* 4.87963	33.96	MAv1	34.20	-30.80	0.82	38.18	54.00	-15.82	-	-	246	360	H
2440	ANT 1	* 4.87958	43.18	PK2	34.20	-30.80	0.00	46.58	-	-	74.00	-27.42	199	100	V
		* 4.87964	34.50	MAv1	34.20	-30.80	0.82	38.72	54.00	-15.28	-	-	199	100	V
		* 7.32082	43.65	PK2	35.80	-25.20	0.00	54.25	-	-	74.00	-19.75	336	118	H
		* 7.32068	37.77	MAv1	35.80	-25.20	0.82	49.19	54.00	-4.81	-	-	336	118	H
		* 7.31932	41.73	PK2	35.80	-25.30	0.00	52.23	-	-	74.00	-21.77	148	118	V
		* 7.31933	34.93	MAv1	35.80	-25.30	0.82	46.25	54.00	-7.75	-	-	148	118	V
		9.761	33.40	PK2	36.90	-21.30	0.00	49.00	-	-	74.00	-25.00	261	101	H
		9.761	33.07	PK2	36.90	-21.30	0.00	48.67	-	-	74.00	-25.33	328	103	V
		* 12.19887	37.96	PK2	39.00	-21.30	0.00	55.66	-	-	74.00	-18.34	240	209	H
		* 12.19884	30.28	MAv1	39.00	-21.30	0.82	48.80	54.00	-5.20	-	-	240	209	H
		* 12.19895	35.27	PK2	39.00	-21.30	0.00	52.97	-	-	74.00	-21.03	215	106	V
		* 12.19888	26.09	MAv1	39.00	-21.30	0.82	44.61	54.00	-9.39	-	-	215	106	V
		* 4.96052	43.06	PK2	34.30	-30.30	0.00	47.06	-	-	74.00	-26.94	225	129	H
		* 4.96046	35.04	MAv1	34.30	-30.30	0.82	39.86	54.00	-14.14	-	-	225	129	H
2480	ANT 1	* 4.96051	43.24	PK2	34.30	-30.30	0.00	47.24	-	-	74.00	-26.76	222	122	V
		* 4.9596	35.09	MAv1	34.30	-30.40	0.82	39.81	54.00	-14.19	-	-	222	122	V
		* 7.43933	42.30	PK2	35.70	-25.00	0.00	53.00	-	-	74.00	-21.00	334	113	H
		* 7.44075	36.11	MAv1	35.70	-25.00	0.82	47.63	54.00	-6.37	-	-	334	113	H
		* 7.4392	40.13	PK2	35.70	-25.00	0.00	50.83	-	-	74.00	-23.17	118	104	V
		* 7.44065	32.67	MAv1	35.70	-25.00	0.82	44.19	54.00	-9.81	-	-	118	104	V
		9.919	35.92	PK2	37.10	-21.50	0.00	51.52	-	-	74.00	-22.48	265	101	H
		9.919	35.32	PK2	37.10	-21.50	0.00	50.92	-	-	74.00	-23.08	175	116	V
		* 12.39877	35.38	PK2	39.20	-21.70	0.00	52.88	-	-	74.00	-21.12	243	100	H
		* 12.39899	25.24	MAv1	39.20	-21.70	0.82	43.56	54.00	-10.44	-	-	243	100	H
		* 12.40111	34.41	PK2	39.20	-21.60	0.00	52.01	-	-	74.00	-21.99	232	208	V
		* 12.40135	23.48	MAv1	39.20	-21.60	0.82	41.90	54.00	-12.10	-	-	232	208	V

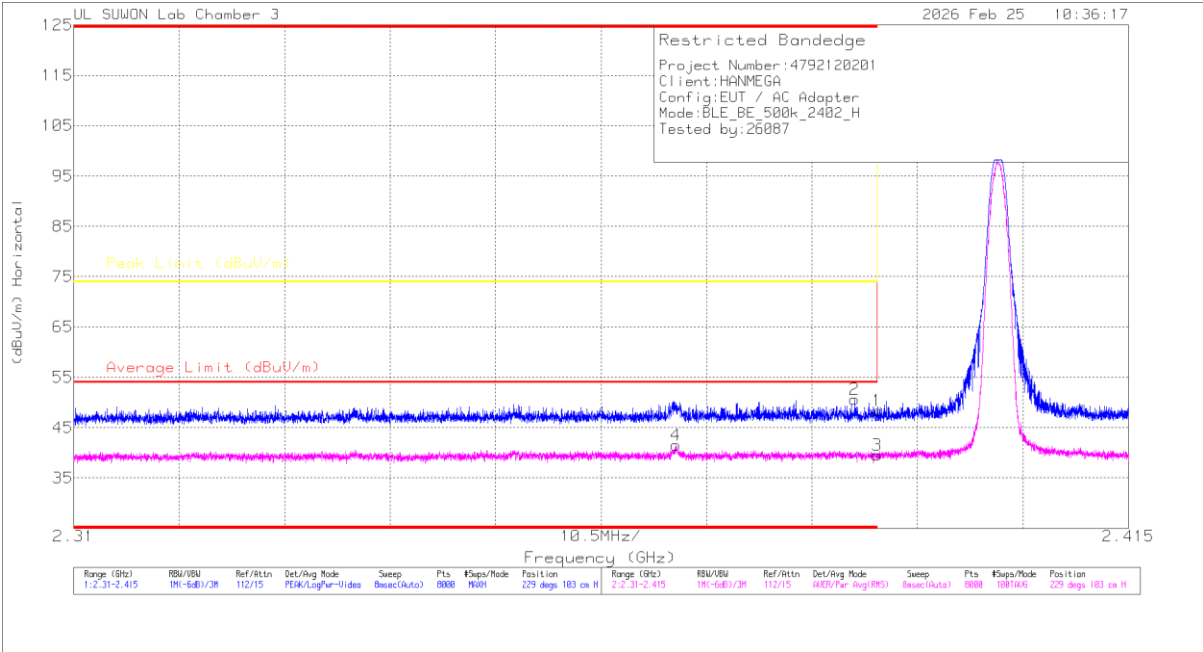
Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average

Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

10.2.4. 500 kbps

BANDEDGE (WORST CASE: 2402 MHz, HORIZONTAL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	Antenna_Factor (dBm)	10dB_Path Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
1	* 2.39	41.23	Pk	32.1	-24.9	0	48.43	-	-	74	-25.57	229	103	H
2	* 2.38775	43.48	Pk	32.1	-24.9	0	50.68	-	-	74	-23.32	229	103	H
3	* 2.39	29.89	RMS	32.1	-24.9	2.42	39.51	54	-14.49	-	-	229	103	H
4	* 2.36992	32.16	RMS	32	-25	2.42	41.58	54	-12.42	-	-	229	103	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE TEST DATA

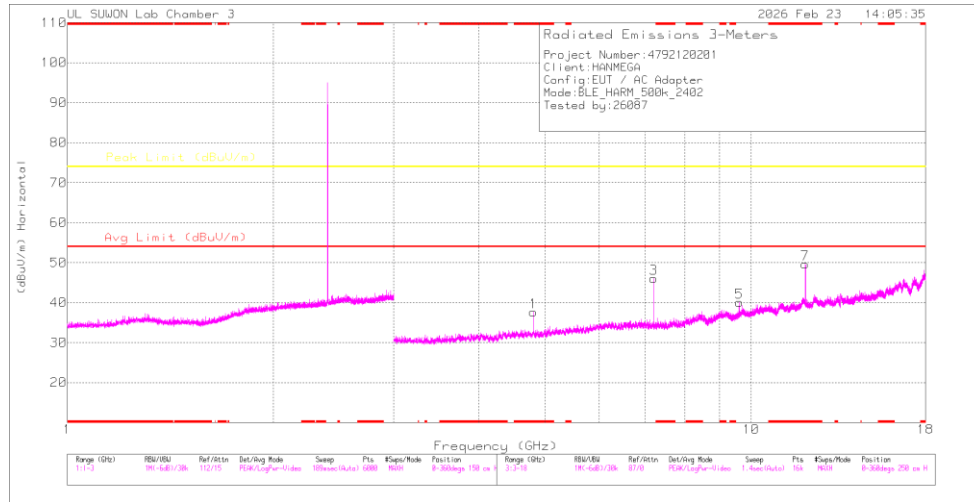
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result dBuV/m	AV Limit dBuV/m	AV Margin [dB]	PK Limit dBuV/m	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT 1	* 2.39	41.23	Pk	32.10	-24.90	0.00	48.43	-	-	74.00	-25.57	229	103	H
		* 2.38775	43.48	Pk	32.10	-24.90	0.00	50.68	-	-	74.00	-23.32	229	103	H
		* 2.39	29.89	RMS	32.10	-24.90	2.42	39.51	54.00	-14.49	-	-	229	103	H
		* 2.36992	32.16	RMS	32.00	-25.00	2.42	41.58	54.00	-12.42	-	-	229	103	H
		* 2.39	39.37	Pk	32.10	-24.90	0.00	46.57	-	-	74.00	-27.43	166	328	V
		* 2.35633	42.37	Pk	32.00	-24.90	0.00	49.47	-	-	74.00	-24.53	166	328	V
		* 2.39	29.46	RMS	32.10	-24.90	2.42	39.08	54.00	-14.92	-	-	166	328	V
		* 2.3757	31.26	RMS	32.10	-25.00	2.42	40.78	54.00	-13.22	-	-	166	328	V
		* 2.4835	41.30	Pk	32.40	-24.90	0.00	48.80	-	-	74.00	-25.20	265	111	H
		* 2.48462	43.42	Pk	32.40	-24.90	0.00	50.92	-	-	74.00	-23.08	265	111	H
2480	ANT 1	* 2.4835	30.58	RMS	32.40	-24.90	2.42	40.50	54.00	-13.50	-	-	265	111	H
		2.526	31.21	RMS	32.40	-24.70	2.42	41.33	54.00	-12.67	-	-	265	111	H
		* 2.4835	41.60	Pk	32.40	-24.90	0.00	49.10	-	-	74.00	-24.90	166	104	V
		* 2.48425	43.28	Pk	32.40	-24.90	0.00	50.78	-	-	74.00	-23.22	166	104	V
		* 2.4835	30.66	RMS	32.40	-24.90	2.42	40.58	54.00	-13.42	-	-	166	104	V
		2.538	31.02	RMS	32.40	-24.60	2.42	41.24	54.00	-12.76	-	-	166	104	V

Note1. Pk - Peak detector, RMS - RMS detector

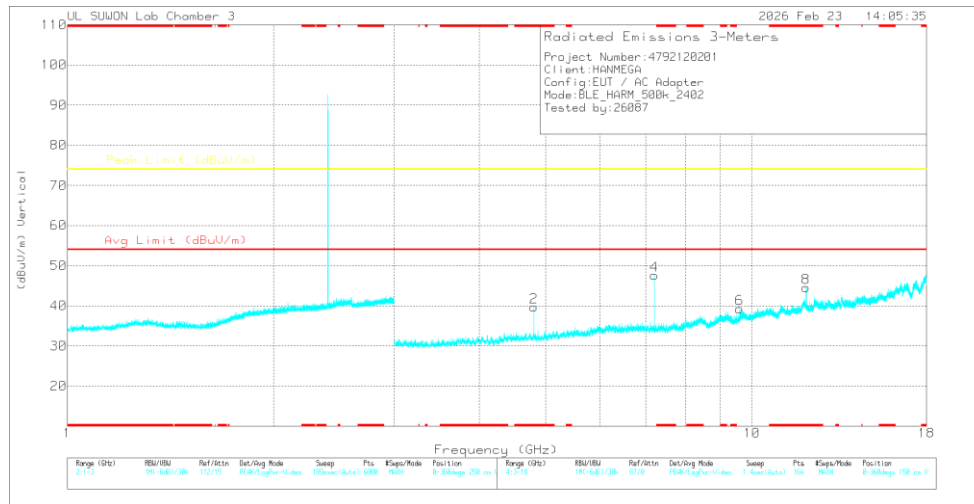
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 2402 MHz)

2402 MHz RESULTS



HORIZONTAL



VERTICAL

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dB/m)	3GHz_HP_Pat h Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.80454	42.4	PK2	34.3	-30.1	0	46.6	-	-	74	-27.4	286	100	H
* 4.80445	32.7	MAv1	34.3	-30.1	2.42	39.32	54	-14.68	-	-	286	100	H
* 4.80396	42.25	PK2	34.3	-30.1	0	46.45	-	-	74	-27.55	308	123	V
* 4.80437	32.57	MAv1	34.3	-30.1	2.42	39.19	54	-14.81	-	-	308	123	V
7.20685	43.14	PK2	35.8	-25.7	0	53.24	-	-	74	-20.76	301	101	H
7.20681	41.47	PK2	35.8	-25.7	0	51.57	-	-	74	-22.43	151	113	V
9.60904	34.26	PK2	36.7	-21.7	0	49.26	-	-	74	-24.74	90	231	H
9.60685	34.33	PK2	36.7	-21.7	0	49.33	-	-	74	-24.67	189	144	V
* 12.01123	39.97	PK2	38.7	-21.6	0	57.07	-	-	74	-16.93	261	213	H
* 12.01133	31.05	MAv1	38.7	-21.6	2.42	50.57	54	-3.43	-	-	261	213	H
* 12.01149	38.01	PK2	38.7	-21.6	0	55.11	-	-	74	-18.89	166	111	V
* 12.00893	28.6	MAv1	38.7	-21.6	2.42	48.12	54	-5.88	-	-	166	111	V

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

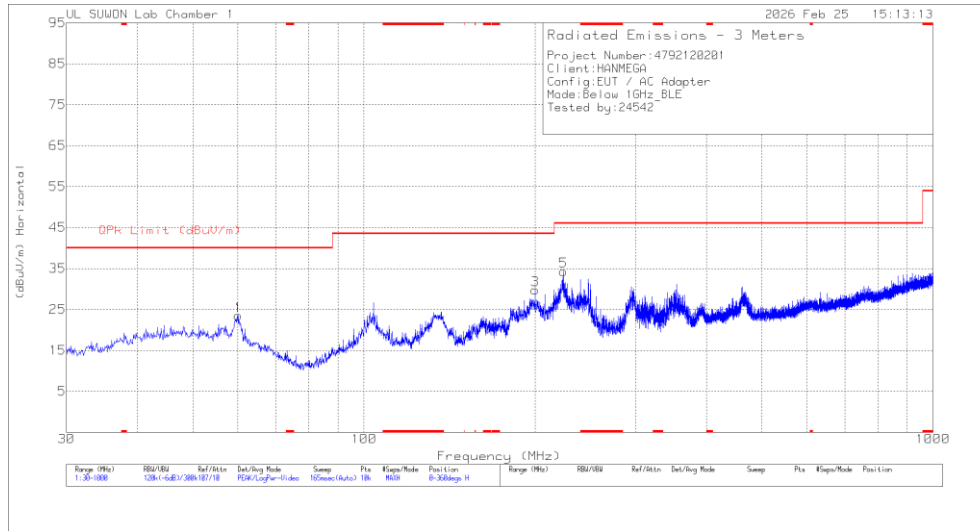
HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT 1	* 4.80454	42.40	PK2	34.30	-30.10	0.00	46.60	-	-	74.00	-27.40	286	100	H
		* 4.80445	32.70	MAv1	34.30	-30.10	2.42	39.32	54.00	-14.68	-	-	286	100	H
		* 4.80396	42.25	PK2	34.30	-30.10	0.00	46.45	-	-	74.00	-27.55	308	123	V
		* 4.80437	32.57	MAv1	34.30	-30.10	2.42	39.19	54.00	-14.81	-	-	308	123	V
		7.207	43.14	PK2	35.80	-25.70	0.00	53.24	-	-	74.00	-20.76	301	101	H
		7.207	41.47	PK2	35.80	-25.70	0.00	51.57	-	-	74.00	-22.43	151	113	V
		9.609	34.26	PK2	36.70	-21.70	0.00	49.26	-	-	74.00	-24.74	90	231	H
		9.607	34.33	PK2	36.70	-21.70	0.00	49.33	-	-	74.00	-24.67	189	144	V
		* 12.01123	39.97	PK2	38.70	-21.60	0.00	57.07	-	-	74.00	-16.93	261	213	H
		* 12.01133	31.05	MAv1	38.70	-21.60	2.42	50.57	54.00	-3.43	-	-	261	213	H
		* 12.01149	38.01	PK2	38.70	-21.60	0.00	55.11	-	-	74.00	-18.89	166	111	V
		* 12.00893	28.60	MAv1	38.70	-21.60	2.42	48.12	54.00	-5.88	-	-	166	111	V
		* 4.88055	42.38	PK2	34.20	-30.80	0.00	45.78	-	-	74.00	-28.22	144	149	H
		* 4.87978	32.44	MAv1	34.20	-30.80	2.42	38.26	54.00	-15.74	-	-	144	149	H
2440	ANT 1	* 4.88048	43.60	PK2	34.20	-30.80	0.00	47.00	-	-	74.00	-27.00	202	100	V
		* 4.8804	34.06	MAv1	34.20	-30.80	2.42	39.88	54.00	-14.12	-	-	202	100	V
		* 7.31936	44.15	PK2	35.80	-25.30	0.00	54.65	-	-	74.00	-19.35	330	102	H
		* 7.31927	36.29	MAv1	35.80	-25.30	2.42	49.21	54.00	-4.79	-	-	330	102	H
		* 7.31934	41.75	PK2	35.80	-25.30	0.00	52.25	-	-	74.00	-21.75	148	110	V
		* 7.31947	33.33	MAv1	35.80	-25.30	2.42	46.25	54.00	-7.75	-	-	148	110	V
		9.759	33.59	PK2	36.90	-21.30	0.00	49.19	-	-	74.00	-24.81	261	104	H
		9.759	33.98	PK2	36.90	-21.30	0.00	49.58	-	-	74.00	-24.42	328	104	V
		* 12.19894	37.66	PK2	39.00	-21.30	0.00	55.36	-	-	74.00	-18.64	240	204	H
		* 12.1988	28.46	MAv1	39.00	-21.30	2.42	48.58	54.00	-5.42	-	-	240	204	H
		* 12.19878	35.86	PK2	39.00	-21.30	0.00	53.56	-	-	74.00	-20.44	214	108	H
		* 12.19887	25.23	MAv1	39.00	-21.30	2.42	45.35	54.00	-8.65	-	-	214	108	V
		* 4.96045	43.42	PK2	34.30	-30.30	0.00	47.42	-	-	74.00	-26.58	225	127	H
		* 4.96022	34.08	MAv1	34.30	-30.30	2.42	40.50	54.00	-13.50	-	-	225	127	H
2480	ANT 1	* 4.9596	43.25	PK2	34.30	-30.40	0.00	47.15	-	-	74.00	-26.85	217	100	V
		* 4.9597	33.79	MAv1	34.30	-30.40	2.42	40.11	54.00	-13.89	-	-	217	100	V
		* 7.44071	42.40	PK2	35.70	-25.00	0.00	53.10	-	-	74.00	-20.90	334	108	H
		* 7.44083	34.39	MAv1	35.70	-25.00	2.42	47.51	54.00	-6.49	-	-	334	108	H
		* 7.43917	40.50	PK2	35.70	-25.00	0.00	51.20	-	-	74.00	-22.80	311	117	V
		* 7.44072	32.28	MAv1	35.70	-25.00	2.42	45.40	54.00	-8.60	-	-	311	117	V
		9.921	36.54	PK2	37.10	-21.40	0.00	52.24	-	-	74.00	-21.76	263	100	H
		9.921	35.32	PK2	37.10	-21.40	0.00	51.02	-	-	74.00	-22.98	181	110	V
		* 12.39884	35.99	PK2	39.20	-21.70	0.00	53.49	-	-	74.00	-20.51	241	198	H
		* 12.40131	25.30	MAv1	39.20	-21.60	2.42	45.32	54.00	-8.68	-	-	241	198	H
		* 12.39885	34.83	PK2	39.20	-21.70	0.00	52.33	-	-	74.00	-21.67	214	111	V
		* 12.40118	23.64	MAv1	39.20	-21.60	2.42	43.66	54.00	-10.34	-	-	214	111	V

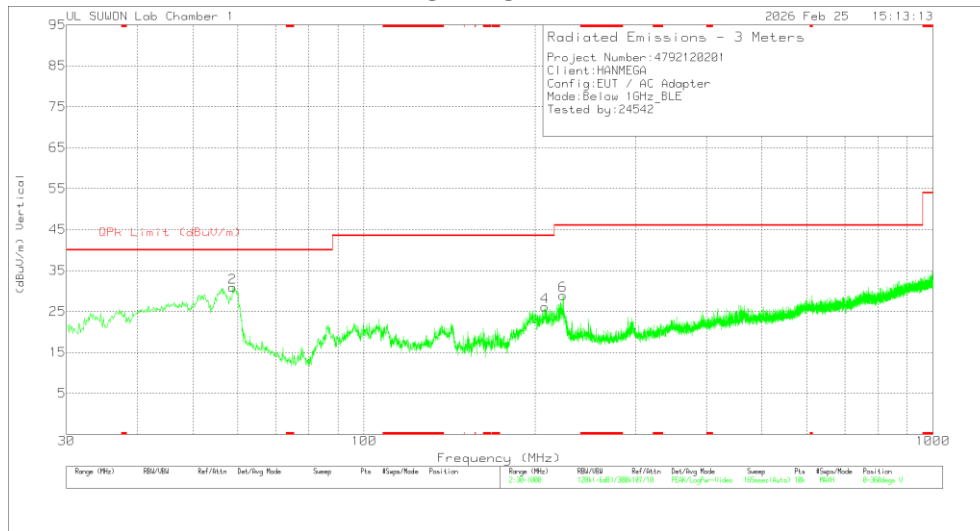
Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

10.3. WORST CASE 30 MHz ~1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



HORIZONTAL



VERTICAL

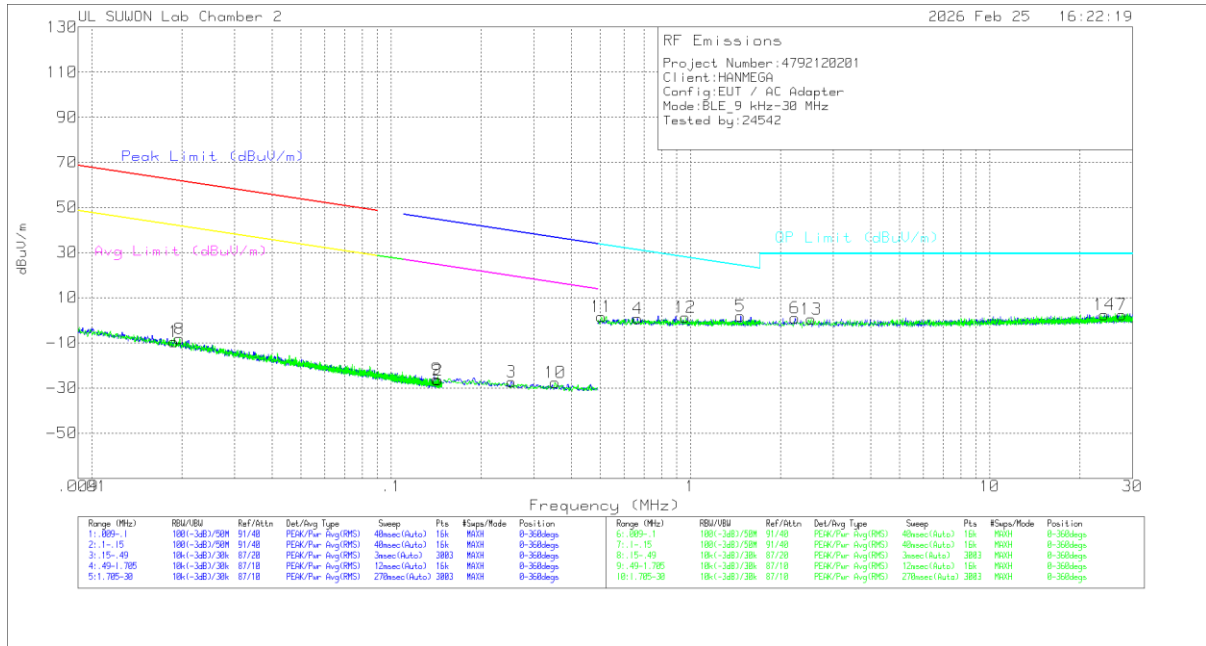
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dB/m)	Below_1G_Path Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	OPK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	60.167	35.65	Pk	18.5	-30.7	0	23.45	40	-16.55	0-360	300	H
2	58.809	42.87	Pk	18.8	-30.8	0	30.87	40	-9.13	0-360	200	V
3	199.944	41.98	Pk	17.1	-29.3	0	29.78	43.52	-13.74	0-360	100	H
4	207.995	38.86	Pk	16.6	-29.3	0	26.16	43.52	-17.36	0-360	200	V
5	224	46.12	Pk	17.3	-29.1	0	34.32	46.02	-11.7	0-360	100	H
6	223.903	40.75	Pk	17.3	-29.1	0	28.95	46.02	-17.07	0-360	300	V

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

10.4. WORST CASE BELOW 30 MHz

SPURIOUS EMISSIONS 9 kHz TO 30 MHz (WORST-CASE CONFIGURATION)



TEST DATA

Trace Markers Face On

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	HFH2-ZZE Loop Antenna (dBm)	Cable Loss (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)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.01879	48.58	Pk	20.5	1.5	-80	-9.42	62.11	-71.53	42.11	-51.53	-	-	-	-	-	-	0-360
2	.14337	32.65	Pk	20.5	.3	-80	-26.55	-	-	-	-	-	-	44.49	-71.04	24.49	-51.04	0-360
3	.25266	32.02	Pk	20.5	.3	-80	-27.18	-	-	-	-	-	-	39.56	-66.74	19.56	-46.74	0-360
4	.66628	20.01	Pk	20.5	.3	-40	.81	-	-	-	-	31.14	-30.33	-	-	-	-	0-360
5	1.47264	21.01	Pk	20.5	.3	-40	1.81	-	-	-	-	24.27	-22.46	-	-	-	-	0-360
6	2.2328	20.13	Pk	20.6	.4	-40	1.13	-	-	-	-	29.5	-28.37	-	-	-	-	0-360
7	27.88973	19.73	Pk	21.9	.9	-40	2.53	-	-	-	-	29.5	-26.97	-	-	-	-	0-360

Face Off

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	HFH2-ZZE Loop Antenna (dBm)	Cable Loss (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)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
8	.01965	49.88	Pk	20.5	1.4	-80	-8.22	61.72	-69.94	41.72	-49.94	-	-	-	-	-	-	0-360
9	.14222	33.03	Pk	20.5	.3	-80	-26.17	-	-	-	-	-	-	44.56	-70.73	24.56	-50.73	0-360
10	.35278	31.55	Pk	20.5	.3	-80	-27.65	-	-	-	-	-	-	36.66	-64.31	16.66	-44.31	0-360
11	.50448	20.73	Pk	20.5	.3	-40	1.53	-	-	-	-	33.55	-32.02	-	-	-	-	0-360
12	.96204	20.49	Pk	20.5	.3	-40	1.29	-	-	-	-	27.96	-26.67	-	-	-	-	0-360
13	2.5344	19.48	Pk	20.6	.4	-40	.48	-	-	-	-	29.5	-29.02	-	-	-	-	0-360
14	24.1365	19.81	Pk	21.7	.9	-40	2.41	-	-	-	-	29.5	-27.09	-	-	-	-	0-360

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST 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.

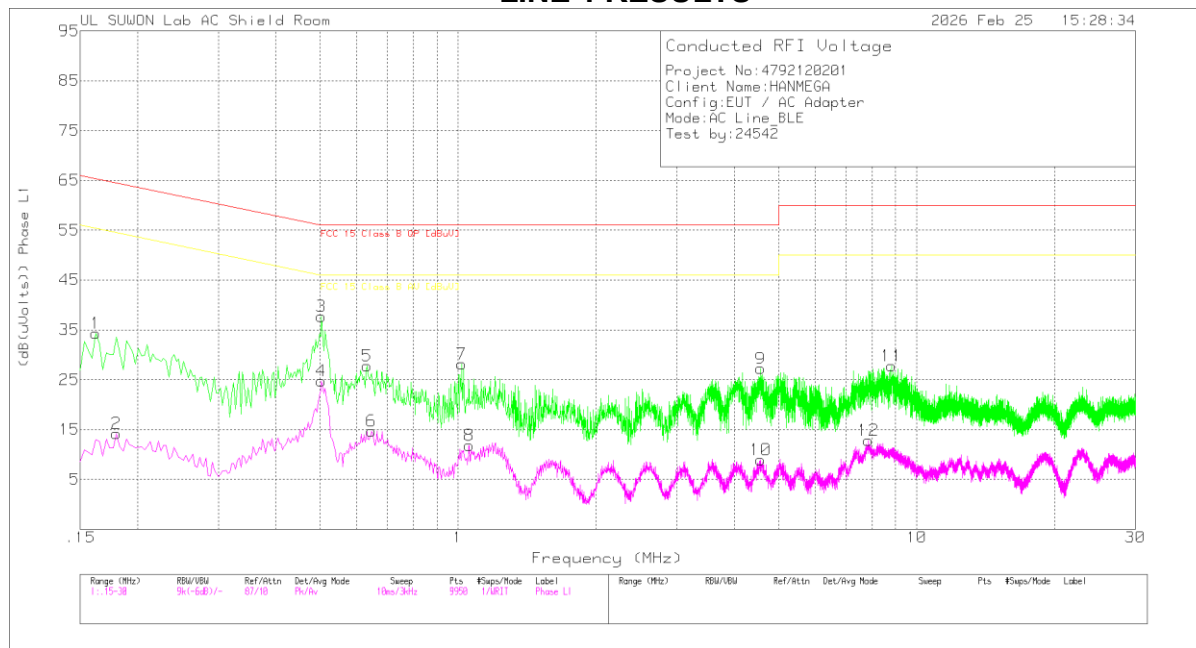
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line

LINE 1 RESULTS



Trace Markers

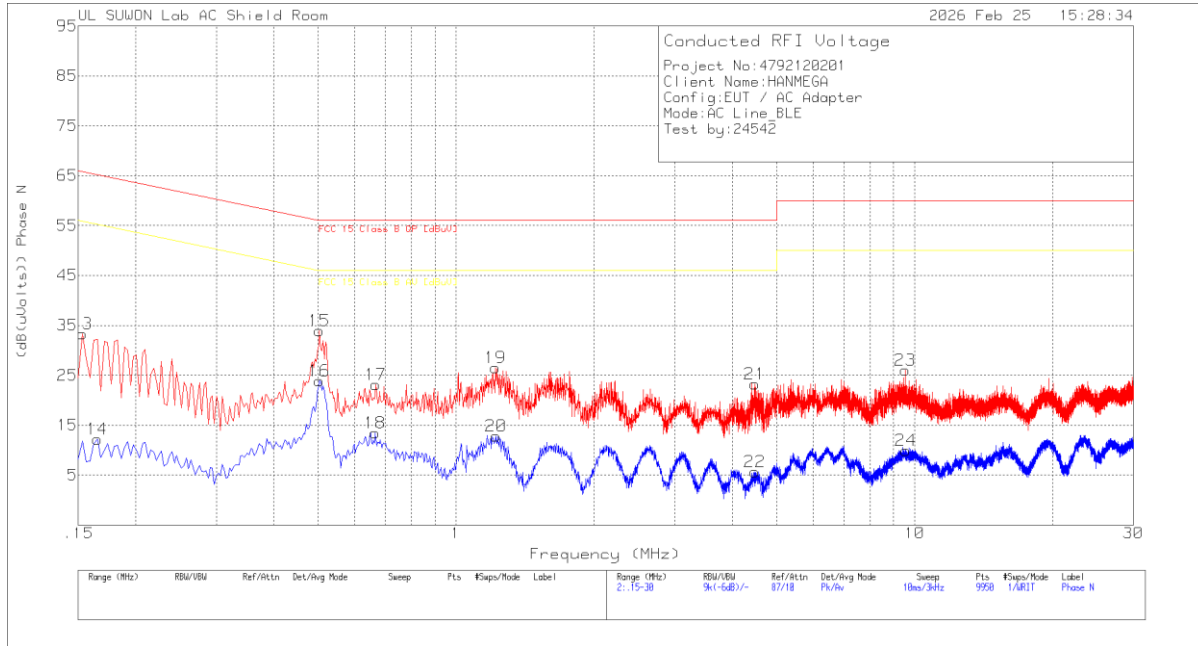
Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_L1 [dB]	Cable Loss [dB]	Corrected Reading (dB(uVolts))	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
1	.162	24.33	Pk	9.9	.1	34.33	65.36	-31.03	-	-
2	.18	4.19	Av	9.9	.1	14.19	-	-	54.49	-40.3
3	.504	27.66	Pk	9.9	.1	37.66	56	-18.34	-	-
4	.504	14.77	Av	9.9	.1	24.77	-	-	46	-21.23
5	.633	17.92	Pk	9.8	.1	27.82	56	-28.18	-	-
6	.648	4.8	Av	9.8	.1	14.7	-	-	46	-31.3
7	1.02	18.32	Pk	9.7	.1	28.12	56	-27.88	-	-
8	1.059	2.01	Av	9.7	.1	11.81	-	-	46	-34.19
9	4.563	17.32	Pk	9.7	.2	27.22	56	-28.78	-	-
10	4.563	-.98	Av	9.7	.2	8.92	-	-	46	-37.08
11	8.808	17.79	Pk	9.8	.2	27.79	60	-32.21	-	-
12	7.842	2.81	Av	9.8	.2	12.81	-	-	50	-37.19

Pk - Peak detector

Av - Average detection

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_N [dB]	Cable Loss [dB]	Corrected Reading (dB(uVolts))	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
13	.153	23.37	Pk	9.8	.1	33.27	65.84	-32.57	-	-
14	.165	2.17	Av	9.9	.1	12.17	-	-	55.21	-43.04
15	.504	23.92	Pk	9.9	.1	33.92	56	-22.08	-	-
16	.504	13.86	Av	9.9	.1	23.86	-	-	46	-22.14
17	.669	13.27	Pk	9.8	.1	23.17	56	-32.83	-	-
18	.666	3.53	Av	9.8	.1	13.43	-	-	46	-32.57
19	1.218	16.77	Pk	9.7	.1	26.57	56	-29.43	-	-
20	1.221	3.03	Av	9.7	.1	12.83	-	-	46	-33.17
21	4.479	13.32	Pk	9.7	.2	23.22	56	-32.78	-	-
22	4.479	-4.26	Av	9.7	.2	5.64	-	-	46	-40.36
23	9.543	15.95	Pk	9.9	.2	26.05	60	-33.95	-	-
24	9.573	-.21	Av	9.9	.2	9.89	-	-	50	-40.11

Pk - Peak detector

Av - Average detection

END OF TEST REPORT