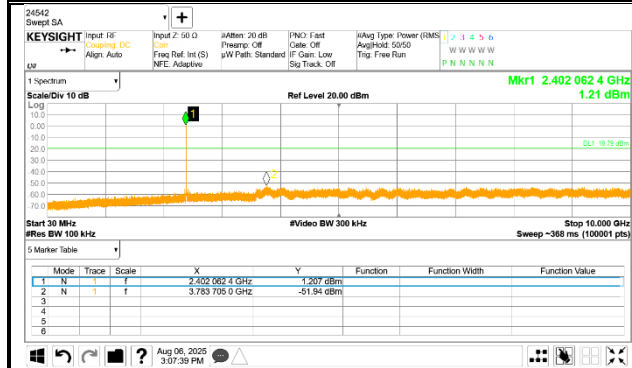


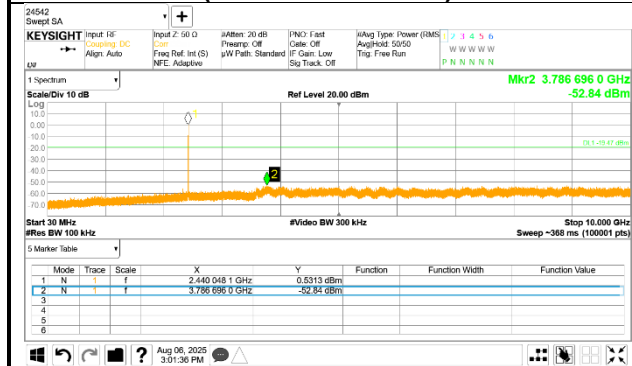
2 Mbps 37 pkt



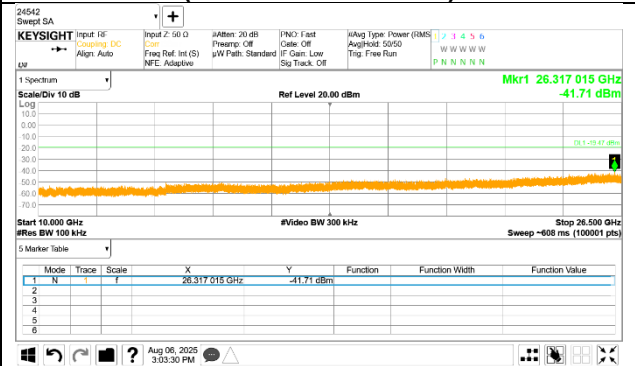
**LOW(37) CHANNEL
(30 MHz ~ 10 GHz)**



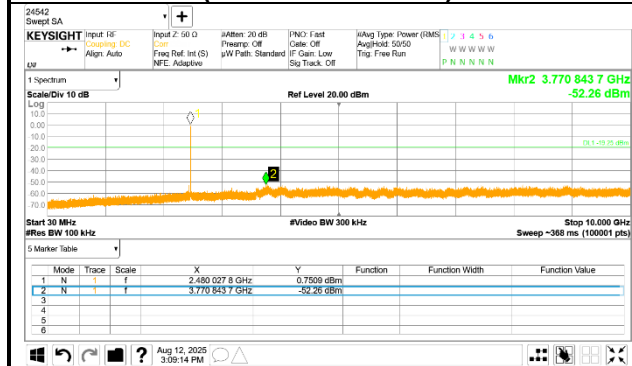
**LOW(37) CHANNEL
(10 GHz ~ 26.5 GHz)**



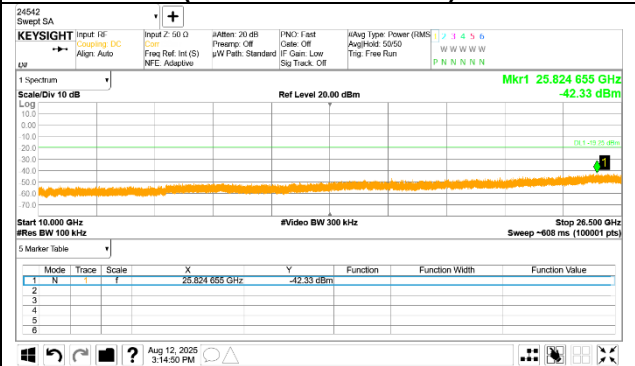
**MIDDLE(17) CHANNEL
(30 MHz ~ 10 GHz)**



**MIDDLE(17) CHANNEL
(10 GHz ~ 26.5 GHz)**

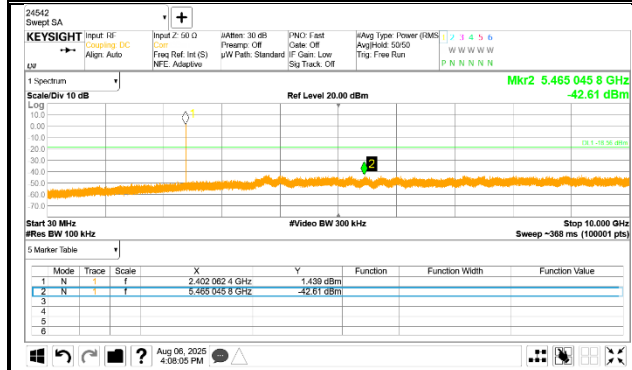


**HIGH(39) CHANNEL
(30 MHz ~ 10 GHz)**

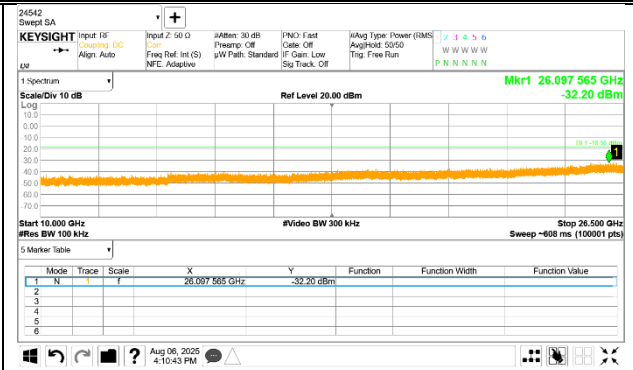


**HIGH(39) CHANNEL
(10 GHz ~ 26.5 GHz)**

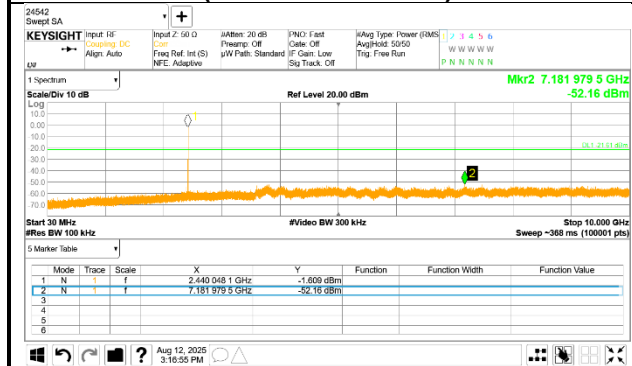
125 kbps 37 pkt



**LOW(37) CHANNEL
(30 MHz ~ 10 GHz)**



**LOW(37) CHANNEL
(10 GHz ~ 26.5 GHz)**



**MIDDLE(17) CHANNEL
(30 MHz ~ 10 GHz)**



**MIDDLE(17) CHANNEL
(10 GHz ~ 26.5 GHz)**

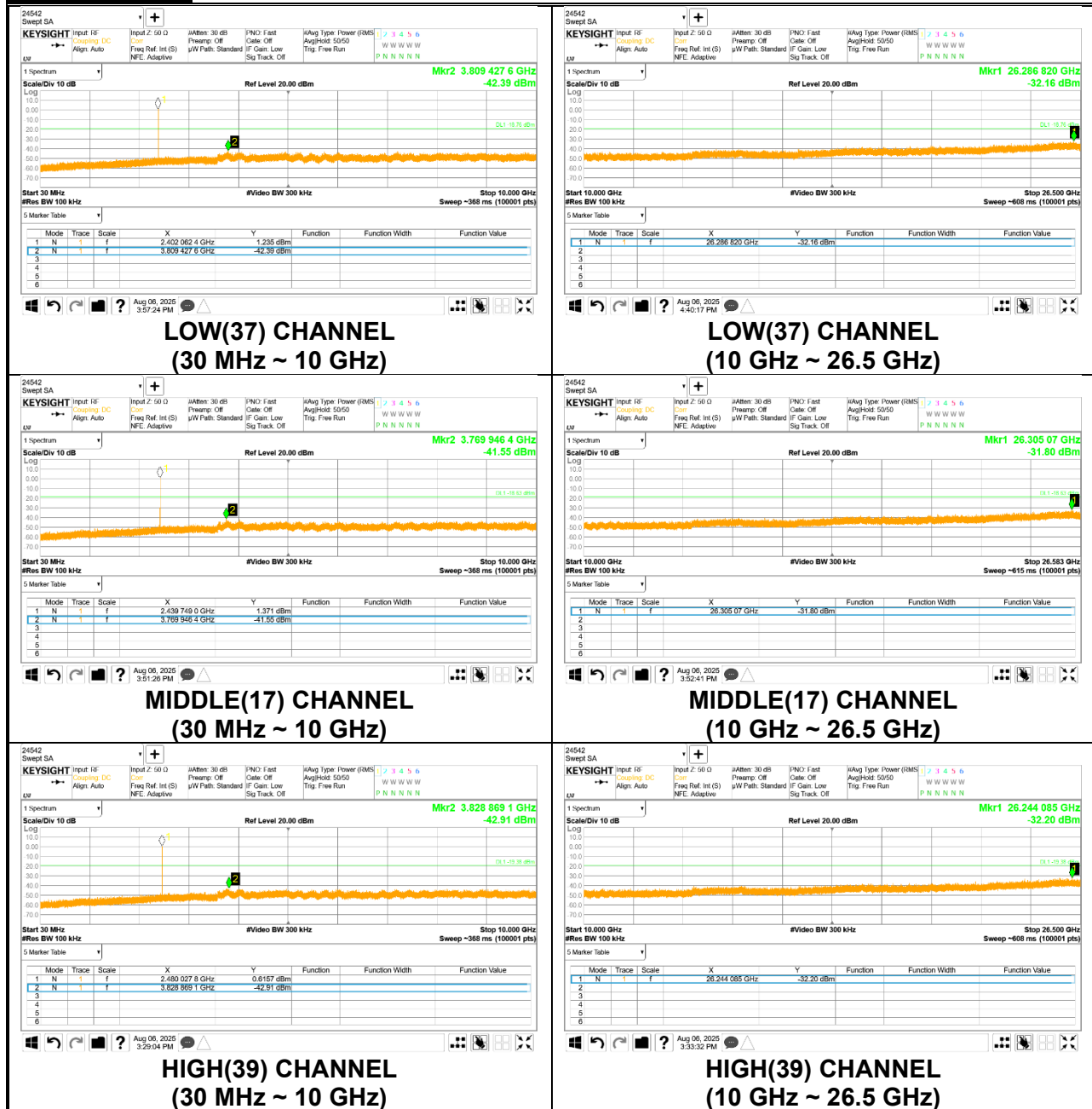


**HIGH(39) CHANNEL
(30 MHz ~ 10 GHz)**



**HIGH(39) CHANNEL
(10 GHz ~ 26.5 GHz)**

500 kbps 37 pkt



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]	0.626	2.03
	2 Mbps [37pkt]	0.329	4.83
	125 kbps [37pkt]	0.828	0.82
	500 kbps [37pkt]	0.574	2.41

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.

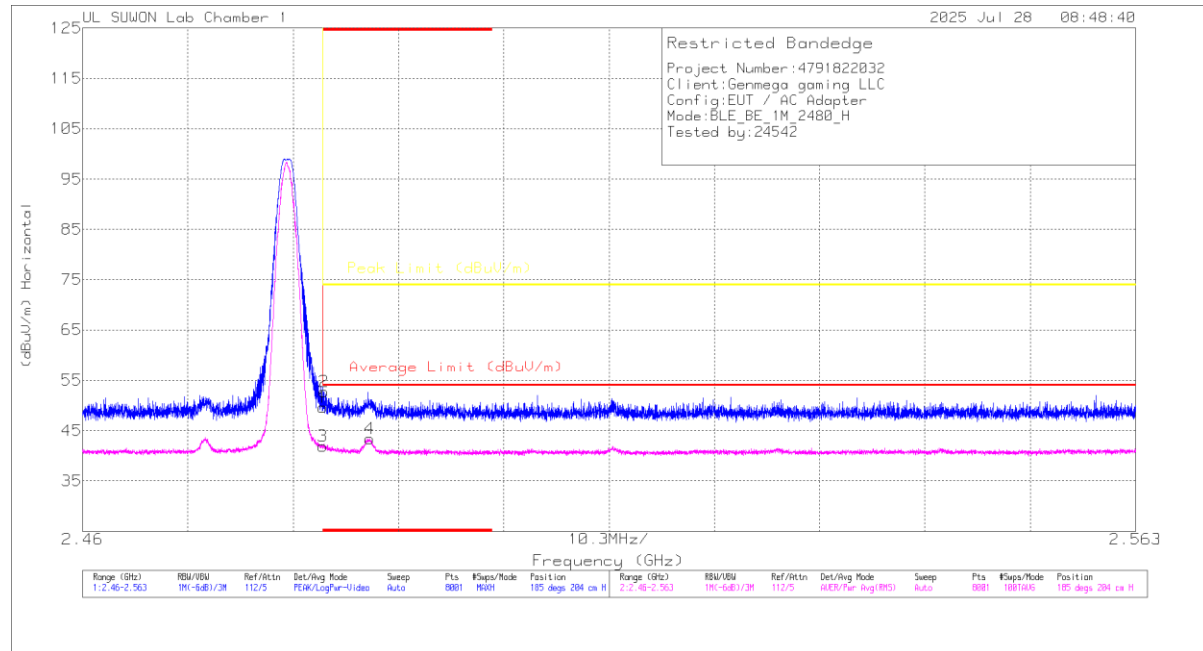
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.38	Pk	32	-25.8	0	49.58	-	-	74	-24.42	185	204	H
2	* 2.4836	46.59	Pk	32	-25.8	0	52.79	-	-	74	-21.21	185	204	H
3	* 2.48351	33.64	RMS	32	-25.8	2.03	41.87	54	-12.13	-	-	185	204	H
4	* 2.48808	35.14	RMS	32	-25.8	2.03	43.37	54	-10.63	-	-	185	204	H

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE TEST DATA

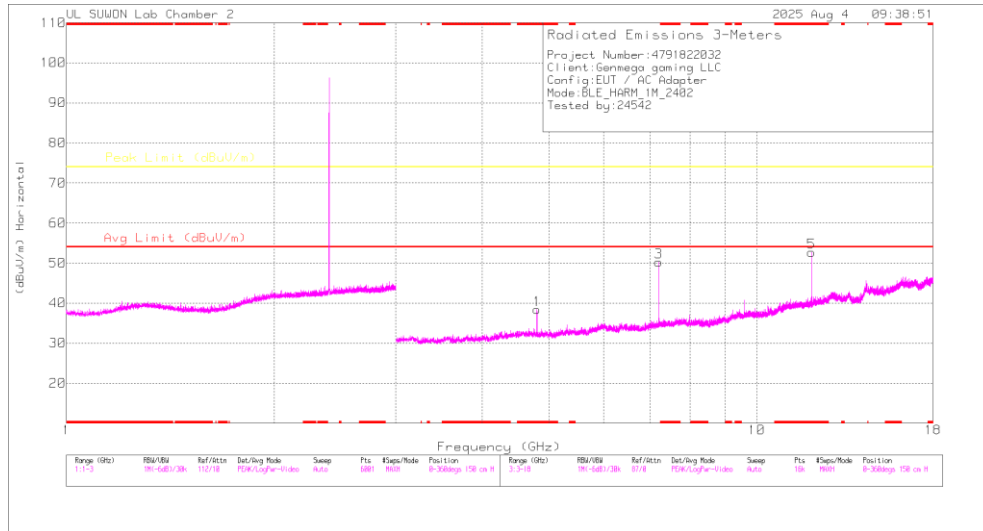
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT1	* 2.39	42.74	Pk	31.70	-26.00	0.00	48.44	-	-	74.00	-25.56	48	100	H
		* 2.38185	46.21	Pk	31.70	-25.90	0.00	52.01	-	-	74.00	-21.99	48	100	H
		* 2.39	32.72	RMS	31.70	-26.00	2.03	40.45	54.00	-13.55	-	-	48	100	H
		* 2.36997	34.30	RMS	31.70	-25.90	2.03	42.13	54.00	-11.87	-	-	48	100	H
		* 2.39	41.57	Pk	31.70	-26.00	0.00	47.27	-	-	74.00	-26.73	155	103	V
		* 2.35134	45.71	Pk	31.60	-26.00	0.00	51.31	-	-	74.00	-22.69	155	103	V
		* 2.39	32.67	RMS	31.70	-26.00	2.03	40.40	54.00	-13.60	-	-	155	103	V
		* 2.36996	34.11	RMS	31.70	-25.90	2.03	41.94	54.00	-12.06	-	-	155	103	V
2480	ANT1	* 2.48351	43.38	Pk	32.00	-25.80	0.00	49.58	-	-	74.00	-24.42	185	204	H
		* 2.4836	46.59	Pk	32.00	-25.80	0.00	52.79	-	-	74.00	-21.21	185	204	H
		* 2.48351	33.64	RMS	32.00	-25.80	2.03	41.87	54.00	-12.13	-	-	185	204	H
		* 2.48808	35.14	RMS	32.00	-25.80	2.03	43.37	54.00	-10.63	-	-	185	204	H
		* 2.48351	42.79	Pk	32.00	-25.80	0.00	48.99	-	-	74.00	-25.01	140	100	V
		* 2.543	45.46	Pk	32.10	-25.80	0.00	51.76	-	-	74.00	-22.24	140	100	V
		* 2.48351	33.16	RMS	32.00	-25.80	2.03	41.39	54.00	-12.61	-	-	140	100	V
		* 2.48796	33.78	RMS	32.00	-25.80	2.03	42.01	54.00	-11.99	-	-	140	100	V

Note1. Pk - Peak detector, RMS - RMS detector

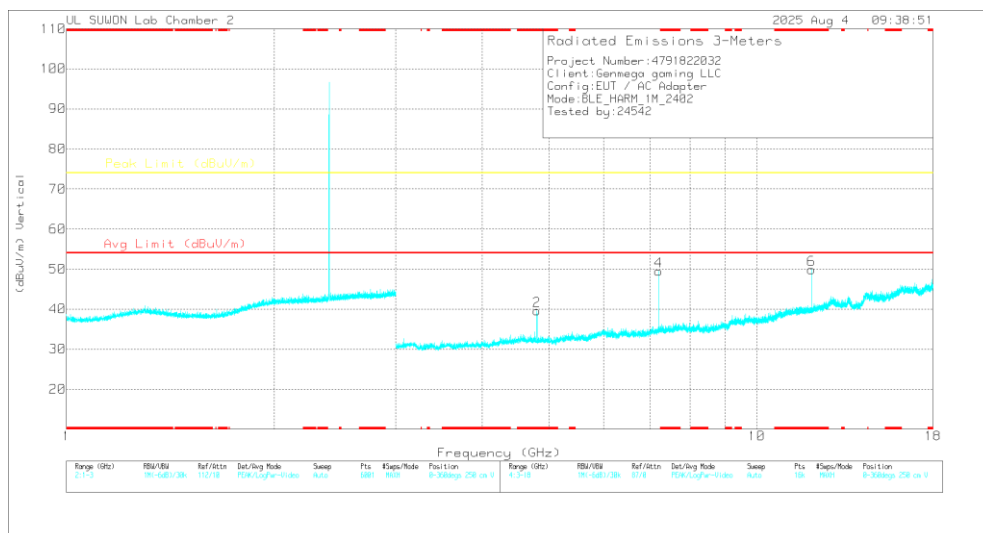
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

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 Path 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
* 4.80342	43.45	PK2	34	-31.6	0	45.85	-	-	74	-28.15	218	100	H
* 4.80362	34.36	MAV1	34	-31.6	2.03	38.79	54	-15.21	-	-	218	100	H
* 4.80359	44.22	PK2	34	-31.6	0	46.62	-	-	74	-27.38	215	108	V
* 4.80382	35.68	MAV1	34	-31.6	2.03	40.11	54	-13.89	-	-	215	108	V
7.20531	48.21	PK2	35.7	-28.7	0	55.21	-	-	74	-18.79	329	100	H
7.20672	45.74	PK2	35.7	-28.7	0	52.74	-	-	74	-21.26	80	101	V
* 12.00873	41.6	PK2	38.7	-21.9	0	58.4	-	-	74	-15.6	256	219	H
* 12.00868	33.72	MAV1	38.7	-21.9	2.03	52.55	54	-1.45	-	-	256	219	H
* 12.01126	40.29	PK2	38.7	-21.9	0	57.09	-	-	74	-16.91	216	105	V
* 12.00887	31.69	MAV1	38.7	-21.9	2.03	50.52	54	-3.48	-	-	216	105	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

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	* 4.80342	43.45	PK2	34.00	-31.60	0.00	45.85	-	-	74.00	-28.15	218	100	H
		* 4.80362	34.36	MAv1	34.00	-31.60	2.03	38.79	54.00	-15.21	-	-	218	100	H
		* 4.80359	44.22	PK2	34.00	-31.60	0.00	46.62	-	-	74.00	-27.38	215	108	V
		* 4.80352	35.68	MAv1	34.00	-31.60	2.03	40.11	54.00	-13.89	-	-	215	108	V
		7.205	48.21	PK2	35.70	-28.70	0.00	55.21	-	-	74.00	-18.79	329	100	H
		7.207	45.74	PK2	35.70	-28.70	0.00	52.74	-	-	74.00	-21.26	80	101	V
		* 12.00873	41.60	PK2	38.70	-21.90	0.00	58.40	-	-	74.00	-15.60	256	219	H
		* 12.00868	33.72	MAv1	38.70	-21.90	2.03	52.55	54.00	-1.45	-	-	256	219	H
		* 12.01126	40.29	PK2	38.70	-21.90	0.00	57.09	-	-	74.00	-16.91	216	105	V
		* 12.00887	31.69	MAv1	38.70	-21.90	2.03	50.52	54.00	-3.48	-	-	216	105	V
		* 4.87951	43.68	PK2	34.00	-31.20	0.00	46.48	-	-	74.00	-27.52	164	147	H
		* 4.87965	34.44	MAv1	34.00	-31.20	2.03	39.27	54.00	-14.73	-	-	164	147	H
2440	ANT 1	* 4.88019	44.99	PK2	34.00	-31.20	0.00	47.79	-	-	74.00	-26.21	140	208	V
		* 4.87975	37.26	MAv1	34.00	-31.20	2.03	42.09	54.00	-11.91	-	-	140	208	V
		* 7.31996	45.68	PK2	35.70	-28.30	0.00	53.08	-	-	74.00	-20.92	331	105	H
		* 7.31929	38.08	MAv1	35.70	-28.30	2.03	47.51	54.00	-6.49	-	-	331	105	H
		* 7.31917	44.18	PK2	35.70	-28.30	0.00	51.58	-	-	74.00	-22.42	200	105	V
		* 7.31923	36.31	MAv1	35.70	-28.30	2.03	45.74	54.00	-8.26	-	-	200	105	V
		* 12.19988	39.36	PK2	38.80	-21.90	0.00	56.26	-	-	74.00	-17.74	141	100	H
		* 12.1987	30.15	MAv1	38.80	-21.90	2.03	49.08	54.00	-4.92	-	-	141	100	H
		* 12.20131	39.42	PK2	38.80	-21.90	0.00	56.32	-	-	74.00	-17.68	213	110	V
		* 12.19883	30.60	MAv1	38.80	-21.90	2.03	49.53	54.00	-4.47	-	-	213	110	V
		* 4.96045	42.78	PK2	34.10	-31.10	0.00	45.78	-	-	74.00	-28.22	224	101	H
		* 4.95957	33.80	MAv1	34.10	-31.20	2.03	38.73	54.00	-15.27	-	-	224	101	H
2480	ANT 1	* 4.96021	43.19	PK2	34.10	-31.10	0.00	46.19	-	-	74.00	-27.81	137	129	V
		* 4.95978	34.22	MAv1	34.10	-31.20	2.03	39.15	54.00	-14.85	-	-	137	129	V
		* 7.44012	45.24	PK2	35.70	-27.80	0.00	53.14	-	-	74.00	-20.86	343	103	H
		* 7.43922	37.67	MAv1	35.70	-27.80	2.03	47.60	54.00	-6.40	-	-	343	103	H
		* 7.44087	42.59	PK2	35.70	-27.80	0.00	50.49	-	-	74.00	-23.51	206	100	V
		* 7.43916	34.86	MAv1	35.70	-27.80	2.03	44.79	54.00	-9.21	-	-	206	100	V
		* 12.39876	38.91	PK2	38.80	-21.60	0.00	56.11	-	-	74.00	-17.89	255	226	H
		* 12.39879	29.91	MAv1	38.80	-21.60	2.03	49.14	54.00	-4.86	-	-	255	226	H
		* 12.40131	37.00	PK2	38.80	-21.60	0.00	54.20	-	-	74.00	-19.80	217	105	V
		* 12.39874	27.06	MAv1	38.80	-21.60	2.03	46.29	54.00	-7.71	-	-	217	105	V

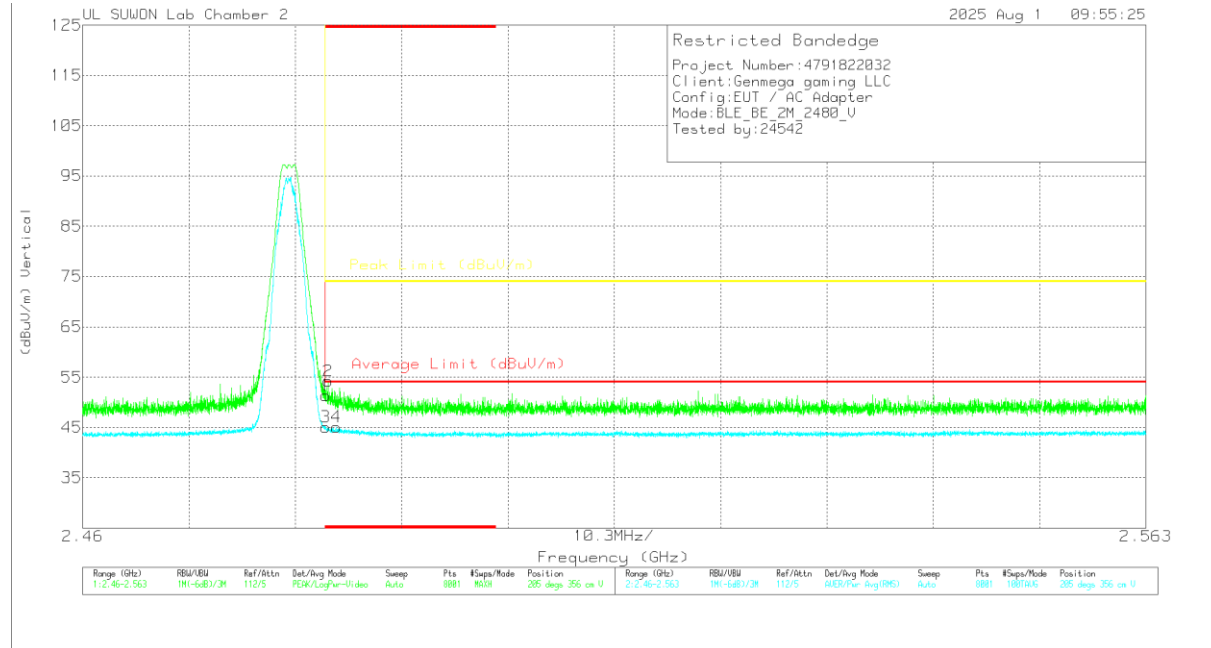
Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average

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

10.2.2. 2 Mbps

BANDEDGE (WORST CASE: 2480 MHz, VERTICAL)

VERTICAL 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]	Azimuth [Degs]	Height [cm]	Polarity
1	* 2.48351	44.48	Pk	31.9	-25	0	51.38	-	-	74	-22.62	205	356	V
2	* 2.48378	47.31	Pk	31.9	-25	0	54.21	-	-	74	-19.79	205	356	V
3	* 2.48351	33.34	RMS	31.9	-25	4.83	45.07	54	-8.93	-	-	205	356	V
4	* 2.48457	33.21	RMS	31.9	-24.9	4.83	45.04	54	-8.96	-	-	205	356	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE TEST DATA

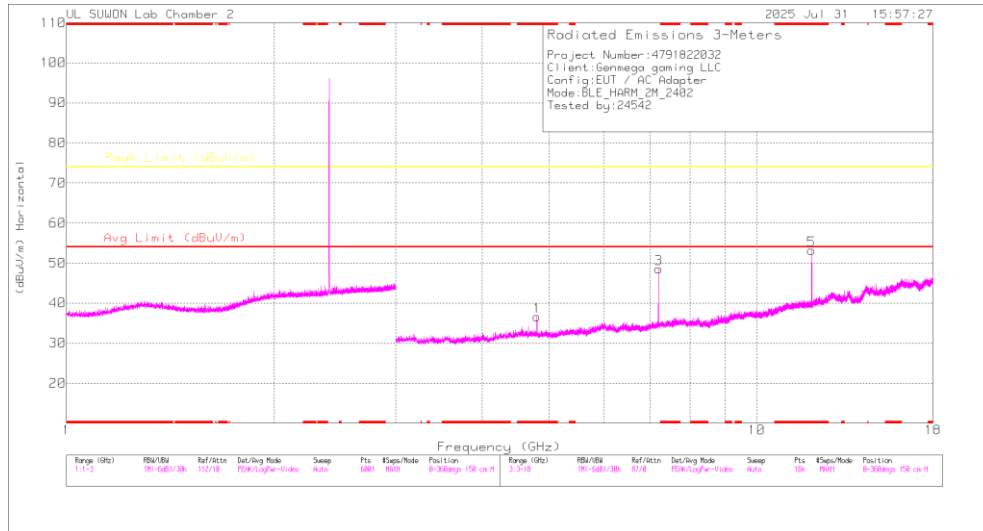
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT 1	* 2.39	42.48	Pk	31.70	-25.00	0.00	49.18	-	-	74.00	-24.82	242	100	H
		* 2.38771	44.95	Pk	31.70	-24.90	0.00	51.75	-	-	74.00	-22.25	242	100	H
		* 2.39	31.77	RMS	31.70	-25.00	4.83	43.30	54.00	-10.70	-	-	242	100	H
		* 2.36985	32.79	RMS	31.60	-25.00	4.83	44.22	54.00	-9.78	-	-	242	100	H
		* 2.39	41.98	Pk	31.70	-25.00	0.00	48.68	-	-	74.00	-25.32	212	269	V
		* 2.36982	45.20	Pk	31.60	-25.00	0.00	51.80	-	-	74.00	-22.20	212	269	V
		* 2.39	31.38	RMS	31.70	-25.00	4.83	42.91	54.00	-11.09	-	-	212	269	V
		* 2.37776	32.31	RMS	31.70	-24.90	4.83	43.94	54.00	-10.06	-	-	212	269	V
		* 2.48351	43.32	Pk	31.90	-25.00	0.00	50.22	-	-	74.00	-23.78	249	350	H
		2.536	44.51	Pk	32.00	-24.80	0.00	51.71	-	-	74.00	-22.29	249	350	H
2480	ANT 1	* 2.48351	32.48	RMS	31.90	-25.00	4.83	44.21	54.00	-9.79	-	-	249	350	H
		* 2.48393	32.93	RMS	31.90	-25.00	4.83	44.66	54.00	-9.34	-	-	249	350	H
		* 2.48351	44.48	Pk	31.90	-25.00	0.00	51.38	-	-	74.00	-22.62	205	356	V
		* 2.48378	47.31	Pk	31.90	-25.00	0.00	54.21	-	-	74.00	-19.79	205	356	V
		* 2.48351	33.34	RMS	31.90	-25.00	4.83	45.07	54.00	-8.93	-	-	205	356	V
		* 2.48457	33.21	RMS	31.90	-24.90	4.83	45.04	54.00	-8.96	-	-	205	356	V

Note1. Pk - Peak detector, RMS - RMS detector

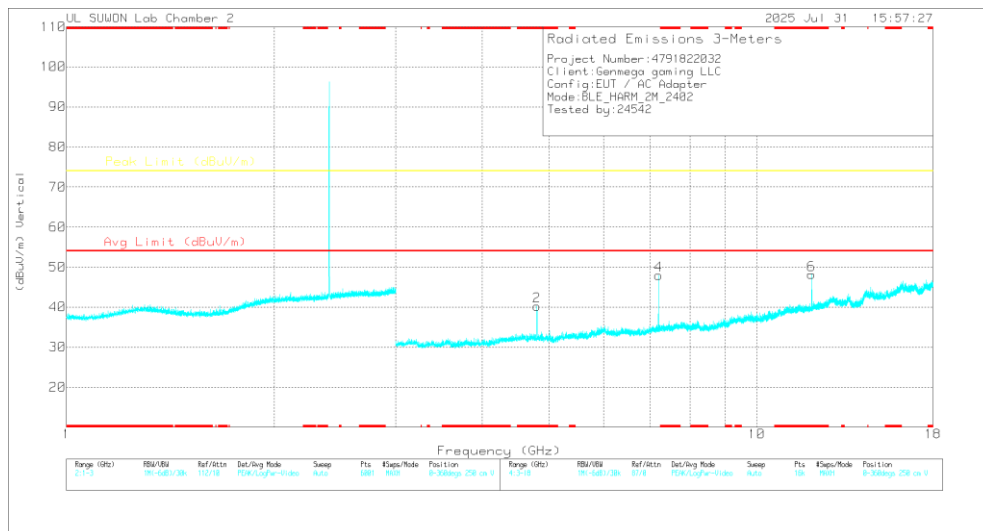
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

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 Path 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
* 4.80311	42.68	PK2	34	-31.6	0	45.08	-	-	74	-28.92	227	100	H
* 4.80313	30.58	MAV1	34	-31.6	4.83	37.81	54	-16.19	-	-	227	100	H
* 4.80305	44.12	PK2	34	-31.6	0	46.52	-	-	74	-27.48	77	147	V
* 4.80295	31.98	MAV1	34	-31.6	4.83	39.21	54	-14.79	-	-	77	147	V
7.20748	47.92	PK2	35.7	-28.7	0	54.92	-	-	74	-19.08	329	104	H
7.20754	45.17	PK2	35.7	-28.6	0	52.27	-	-	74	-21.73	75	100	V
* 12.01237	41.08	PK2	38.7	-21.9	0	57.88	-	-	74	-16.12	140	100	H
* 12.0076	30.04	MAV1	38.7	-22	4.83	51.57	54	-2.43	-	-	140	100	H
* 12.00744	40.1	PK2	38.7	-22	0	56.8	-	-	74	-17.2	214	102	V
* 12.00767	28.64	MAV1	38.7	-22	4.83	50.17	54	-3.83	-	-	214	102	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	* 4.80311	42.68	PK2	34.00	-31.60	0.00	45.08	-	-	74.00	-28.92	227	100	H
		* 4.80313	30.58	MAv1	34.00	-31.60	4.83	37.81	54.00	-16.19	-	-	227	100	H
		* 4.80305	44.12	PK2	34.00	-31.60	0.00	46.52	-	-	74.00	-27.48	77	147	V
		* 4.80295	31.98	MAv1	34.00	-31.60	4.83	39.21	54.00	-14.79	-	-	77	147	V
		7.207	47.92	PK2	35.70	-28.70	0.00	54.92	-	-	74.00	-19.08	329	104	H
		7.208	45.17	PK2	35.70	-28.60	0.00	52.27	-	-	74.00	-21.73	75	100	V
		* 12.01237	41.08	PK2	38.70	-21.90	0.00	57.88	-	-	74.00	-16.12	140	100	H
		* 12.0076	30.04	MAv1	38.70	-22.00	4.83	51.57	54.00	-2.43	-	-	140	100	H
		* 12.00744	40.10	PK2	38.70	-22.00	0.00	56.80	-	-	74.00	-17.20	214	102	V
		* 12.00767	28.64	MAv1	38.70	-22.00	4.83	50.17	54.00	-3.83	-	-	214	102	V
		* 4.88092	43.79	PK2	34.00	-31.30	0.00	46.49	-	-	74.00	-27.51	217	147	H
		* 4.8791	31.43	MAv1	34.00	-31.20	4.83	39.06	54.00	-14.94	-	-	217	147	H
2440	ANT 1	* 4.87894	43.96	PK2	34.00	-31.20	0.00	46.76	-	-	74.00	-27.24	132	149	V
		* 4.88012	32.20	MAv1	34.00	-31.20	4.83	39.83	54.00	-14.17	-	-	132	149	V
		* 7.31849	45.54	PK2	35.70	-28.30	0.00	52.94	-	-	74.00	-21.06	343	120	H
		* 7.31879	35.18	MAv1	35.70	-28.30	4.83	47.41	54.00	-6.59	-	-	343	120	H
		* 7.31845	44.03	PK2	35.70	-28.30	0.00	51.43	-	-	74.00	-22.57	78	103	V
		* 7.31858	33.36	MAv1	35.70	-28.30	4.83	45.59	54.00	-8.41	-	-	78	103	V
		* 12.2024	39.70	PK2	38.80	-21.80	0.00	56.70	-	-	74.00	-17.30	252	224	H
		* 12.19774	28.20	MAv1	38.80	-21.90	4.83	49.93	54.00	-4.07	-	-	252	224	H
		* 12.20016	39.65	PK2	38.80	-21.90	0.00	56.55	-	-	74.00	-17.45	217	105	V
		* 12.19774	27.50	MAv1	38.80	-21.90	4.83	49.23	54.00	-4.77	-	-	217	105	V
		* 4.961	43.76	PK2	34.10	-31.10	0.00	46.76	-	-	74.00	-27.24	226	101	H
		* 4.95924	31.89	MAv1	34.10	-31.20	4.83	39.62	54.00	-14.38	-	-	226	101	H
2480	ANT 1	* 4.96004	43.66	PK2	34.10	-31.10	0.00	46.66	-	-	74.00	-27.34	139	117	V
		* 4.95899	31.28	MAv1	34.10	-31.20	4.83	39.01	54.00	-14.99	-	-	139	117	V
		* 7.44011	44.91	PK2	35.70	-27.80	0.00	52.81	-	-	74.00	-21.19	336	106	H
		* 7.4387	34.23	MAv1	35.70	-27.90	4.83	46.86	54.00	-7.14	-	-	336	106	H
		* 7.4384	43.12	PK2	35.70	-27.90	0.00	50.92	-	-	74.00	-23.08	206	100	V
		* 7.43874	32.28	MAv1	35.70	-27.90	4.83	44.91	54.00	-9.09	-	-	206	100	V
		* 12.3974	38.26	PK2	38.80	-21.60	0.00	55.46	-	-	74.00	-18.54	257	214	H
		* 12.39763	25.99	MAv1	38.80	-21.60	4.83	48.02	54.00	-5.98	-	-	257	214	H
		* 12.39992	36.89	PK2	38.80	-21.60	0.00	54.09	-	-	74.00	-19.91	217	105	V
		* 12.39762	24.74	MAv1	38.80	-21.60	4.83	46.77	54.00	-7.23	-	-	217	105	V

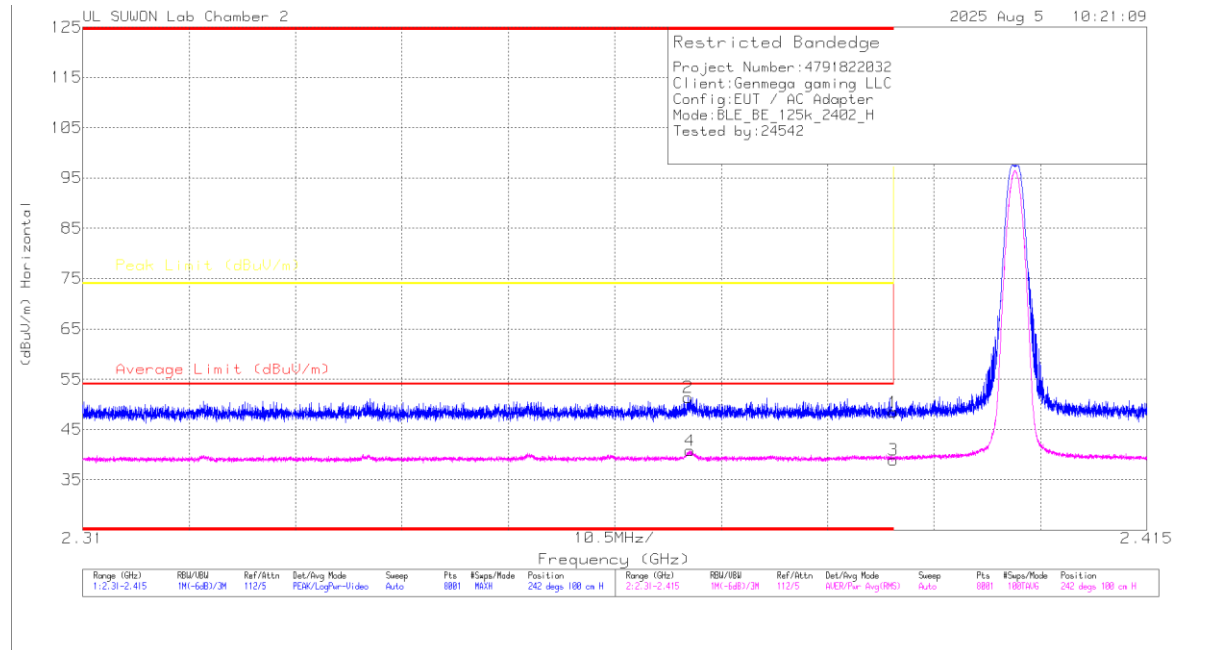
Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average

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

10.2.3. 125 kbps

BANDEDGE (WORST CASE: 2402 MHz, HORIZONTAL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency [GHz]	Marker Reading [dBm]	Det	Antenna Factor [dB/m]	10dB Path Loss [dB]	DC Corr [dB]	Corrected Reading [dBm]	Average Limit [dBuV/m]	Margin [dB]	Peak Limit [dBuV/m]	PK Margin [dB]	Altitude [Degs]	Height [cm]	Polarity
1	* 2.39	41.72	Pk	31.7	-25	0	48.42	-	-	74	-25.58	242	100	H
2	* 2.36973	44.75	Pk	31.6	-25	0	51.35	-	-	74	-22.65	242	100	H
3	* 2.39	31.38	RMS	31.7	-25	.82	38.9	54	-15.1	-	-	242	100	H
4	* 2.36992	33.34	RMS	31.6	-25	.82	40.76	54	-13.24	-	-	242	100	H

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE TEST DATA

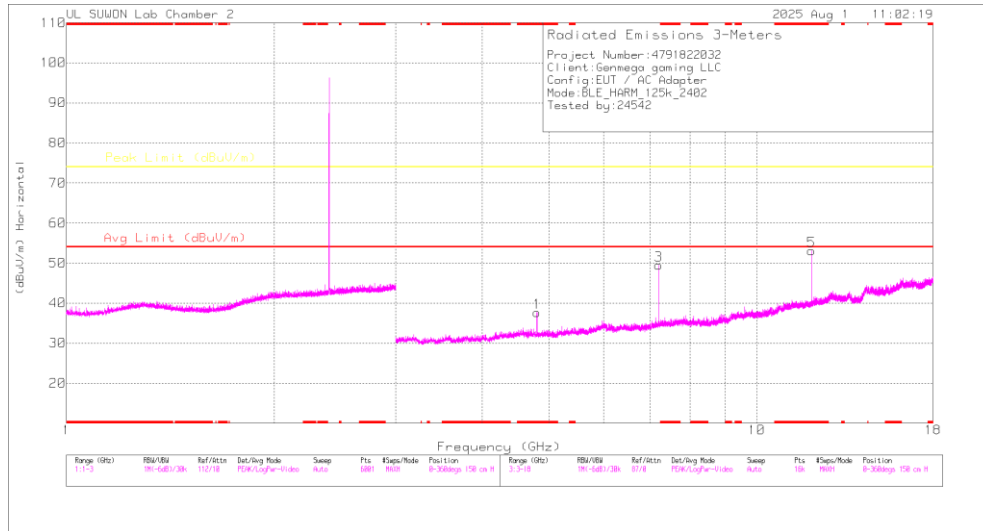
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Altitude [Degs]	Height [cm]	Polarity
2402	ANT 1	* 2.39	41.72	Pk	31.70	-25.00	0.00	48.42	-	-	74.00	-25.58	242	100	H
		* 2.36973	44.75	Pk	31.60	-25.00	0.00	51.35	-	-	74.00	-22.65	242	100	H
		* 2.39	31.38	RMS	31.70	-25.00	0.82	38.90	54.00	-15.10	-	-	242	100	H
		* 2.36992	33.34	RMS	31.60	-25.00	0.82	40.76	54.00	-13.24	-	-	242	100	H
		* 2.39	41.13	Pk	31.70	-25.00	0.00	47.83	-	-	74.00	-26.17	205	388	V
		* 2.3848	44.96	Pk	31.70	-25.00	0.00	51.66	-	-	74.00	-22.34	205	388	V
		* 2.39	31.64	RMS	31.70	-25.00	0.82	39.16	54.00	-14.84	-	-	205	388	V
		* 2.37005	33.31	RMS	31.60	-25.00	0.82	40.73	54.00	-13.27	-	-	205	388	V
2480	ANT 1	* 2.48351	44.03	Pk	31.90	-25.00	0.00	50.93	-	-	74.00	-23.07	241	253	H
		* 2.528	44.52	Pk	32.00	-24.80	0.00	51.72	-	-	74.00	-22.28	241	253	H
		* 2.48351	32.98	RMS	31.90	-25.00	0.82	40.70	54.00	-13.30	-	-	241	253	H
		* 2.48378	32.81	RMS	31.90	-25.00	0.82	40.53	54.00	-13.47	-	-	241	253	H
		* 2.48351	42.51	Pk	31.90	-25.00	0.00	49.41	-	-	74.00	-24.59	201	400	V
		* 2.554	44.67	Pk	32.10	-24.80	0.00	51.97	-	-	74.00	-22.03	201	400	V
		* 2.48351	32.58	RMS	31.90	-25.00	0.82	40.30	54.00	-13.70	-	-	201	400	V
		* 2.48355	33.02	RMS	31.90	-25.00	0.82	40.74	54.00	-13.26	-	-	201	400	V

Note1. Pk - Peak detector, RMS - RMS detector

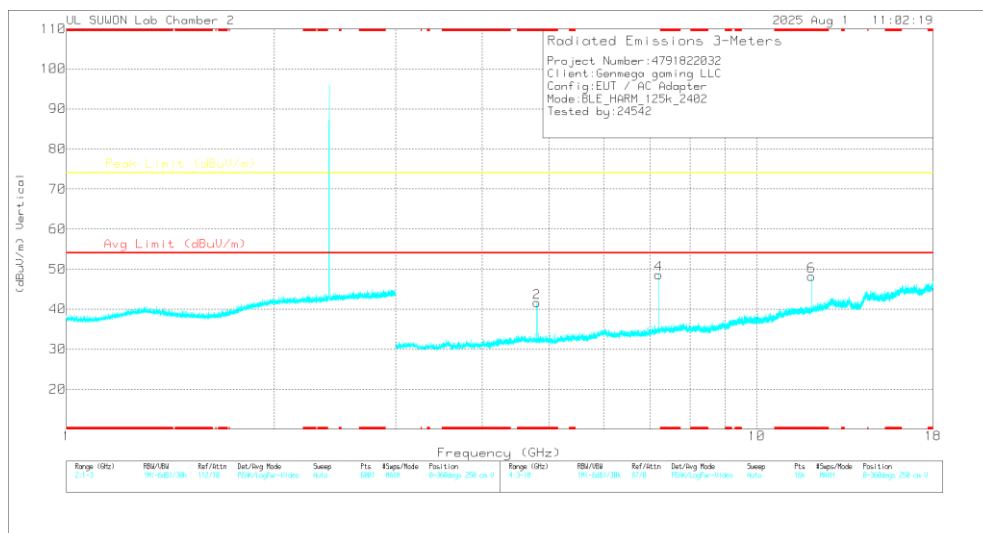
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

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
* 4.80407	43.99	PK2	34	-31.6	0	46.39	-	-	74	-27.61	323	165	H
* 4.80436	35.46	MAV1	34	-31.6	.82	38.68	54	-15.32	-	-	323	165	H
* 4.80441	44.47	PK2	34	-31.6	0	46.87	-	-	74	-27.13	214	108	V
* 4.80416	36.34	MAV1	34	-31.6	.82	39.56	54	-14.44	-	-	214	108	V
7.20524	48.11	PK2	35.7	-28.7	0	55.11	-	-	74	-18.89	335	109	H
7.20527	45.71	PK2	35.7	-28.7	0	52.71	-	-	74	-21.29	79	100	V
* 12.01123	41.88	PK2	38.7	-21.9	0	58.68	-	-	74	-15.32	256	228	H
* 12.00882	34.89	MAV1	38.7	-21.9	.82	52.51	54	-1.49	-	-	256	228	H
* 12.0112	40.76	PK2	38.7	-21.9	0	57.56	-	-	74	-16.44	217	107	V
* 12.00893	32.5	MAV1	38.7	-21.9	.82	50.12	54	-3.88	-	-	213	109	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	* 4.80407	43.99	PK2	34.00	-31.60	0.00	46.39	-	-	74.00	-27.61	323	165	H
		* 4.80436	35.46	MAv1	34.00	-31.60	0.82	38.68	54.00	-15.32	-	-	323	165	H
		* 4.80441	44.47	PK2	34.00	-31.60	0.00	46.87	-	-	74.00	-27.13	214	108	V
		* 4.80416	36.34	MAv1	34.00	-31.60	0.82	39.56	54.00	-14.44	-	-	214	108	V
		7.205	48.11	PK2	35.70	-28.70	0.00	55.11	-	-	74.00	-18.89	335	109	H
		7.205	45.71	PK2	35.70	-28.70	0.00	52.71	-	-	74.00	-21.29	79	100	V
		* 12.01123	41.88	PK2	38.70	-21.90	0.00	58.68	-	-	74.00	-15.32	256	228	H
		* 12.00882	34.89	MAv1	38.70	-21.90	0.82	52.51	54.00	-1.49	-	-	256	228	H
		* 12.0112	40.76	PK2	38.70	-21.90	0.00	57.56	-	-	74.00	-16.44	217	107	V
		* 12.00893	32.50	MAv1	38.70	-21.90	0.82	50.12	54.00	-3.88	-	-	213	109	V
		* 4.8805	43.35	PK2	34.00	-31.30	0.00	46.05	-	-	74.00	-27.95	164	110	H
		* 4.88032	35.14	MAv1	34.00	-31.20	0.82	38.76	54.00	-15.24	-	-	164	110	H
2440	ANT 1	* 4.87941	44.78	PK2	34.00	-31.20	0.00	47.58	-	-	74.00	-26.42	142	244	V
		* 4.87959	37.37	MAv1	34.00	-31.20	0.82	40.99	54.00	-13.01	-	-	142	244	V
		* 7.31926	45.66	PK2	35.70	-28.30	0.00	53.06	-	-	74.00	-20.94	334	105	H
		* 7.31923	39.52	MAv1	35.70	-28.30	0.82	47.74	54.00	-6.26	-	-	334	105	H
		* 7.32084	44.25	PK2	35.70	-28.30	0.00	51.65	-	-	74.00	-22.35	200	100	V
		* 7.31936	37.46	MAv1	35.70	-28.30	0.82	45.68	54.00	-8.32	-	-	200	100	V
		* 12.20124	40.53	PK2	38.80	-21.90	0.00	57.43	-	-	74.00	-16.57	240	217	H
		* 12.19886	33.00	MAv1	38.80	-21.90	0.82	50.72	54.00	-3.28	-	-	240	217	H
		* 12.19876	39.21	PK2	38.80	-21.90	0.00	56.11	-	-	74.00	-17.89	213	102	V
		* 12.19877	31.48	MAv1	38.80	-21.90	0.82	49.20	54.00	-4.80	-	-	213	102	V
		* 4.96051	42.53	PK2	34.10	-31.10	0.00	45.53	-	-	74.00	-28.47	282	100	H
		* 4.96033	33.20	MAv1	34.10	-31.10	0.82	37.02	54.00	-16.98	-	-	282	100	H
2480	ANT 1	* 4.96073	41.40	PK2	34.10	-31.10	0.00	44.40	-	-	74.00	-29.60	288	102	V
		* 4.95964	31.67	MAv1	34.10	-31.20	0.82	35.39	54.00	-18.61	-	-	288	102	V
		* 7.44067	45.26	PK2	35.70	-27.80	0.00	53.16	-	-	74.00	-20.84	333	104	H
		* 7.44063	37.95	MAv1	35.70	-27.80	0.82	46.67	54.00	-7.33	-	-	333	104	H
		* 7.44061	43.13	PK2	35.70	-27.80	0.00	51.03	-	-	74.00	-22.97	198	100	V
		* 7.43917	35.73	MAv1	35.70	-27.80	0.82	44.45	54.00	-9.55	-	-	198	100	V
		* 12.40138	38.39	PK2	38.80	-21.60	0.00	55.59	-	-	74.00	-18.41	257	237	H
		* 12.39878	30.15	MAv1	38.80	-21.60	0.82	48.17	54.00	-5.83	-	-	257	237	H
		* 12.39878	37.82	PK2	38.80	-21.60	0.00	55.02	-	-	74.00	-18.98	211	110	V
		* 12.39871	28.48	MAv1	38.80	-21.60	0.82	46.50	54.00	-7.50	-	-	211	110	V

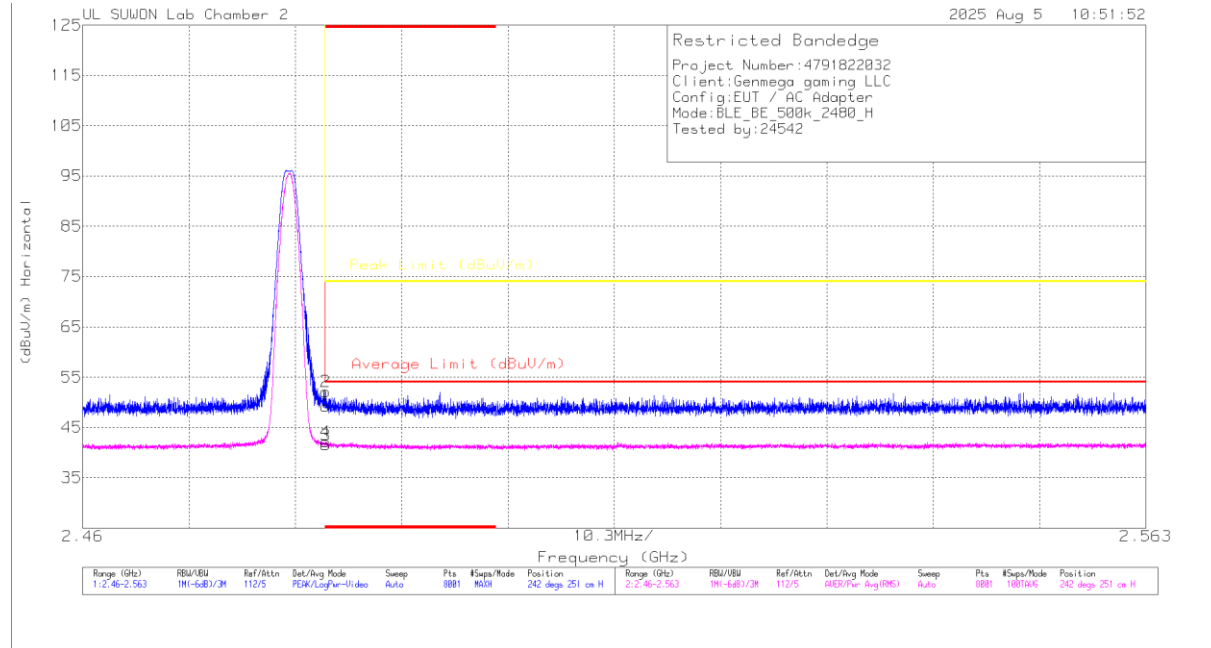
Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average

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

10.2.4. 500 kbps

BANDEDGE (WORST CASE: 2480 MHz, HORIZONTAL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency [GHz]	Marker 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 [cm]	Height [cm]	Polarity
1	* 2.48351	42.32	Pk	31.9	-25	0	49.22	-	-	74	-24.78	242	251	H
2	* 2.48355	45.19	Pk	31.9	-25	0	52.09	-	-	74	-21.91	242	251	H
3	* 2.48351	32.2	RMS	31.9	-25	2.41	41.51	54	-12.49	-	-	242	251	H
4	* 2.48355	32.83	RMS	31.9	-25	2.41	42.14	54	-11.86	-	-	242	251	H

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

Pk - Peak detector
RMS - RMS detection

BANDEDGE TEST DATA

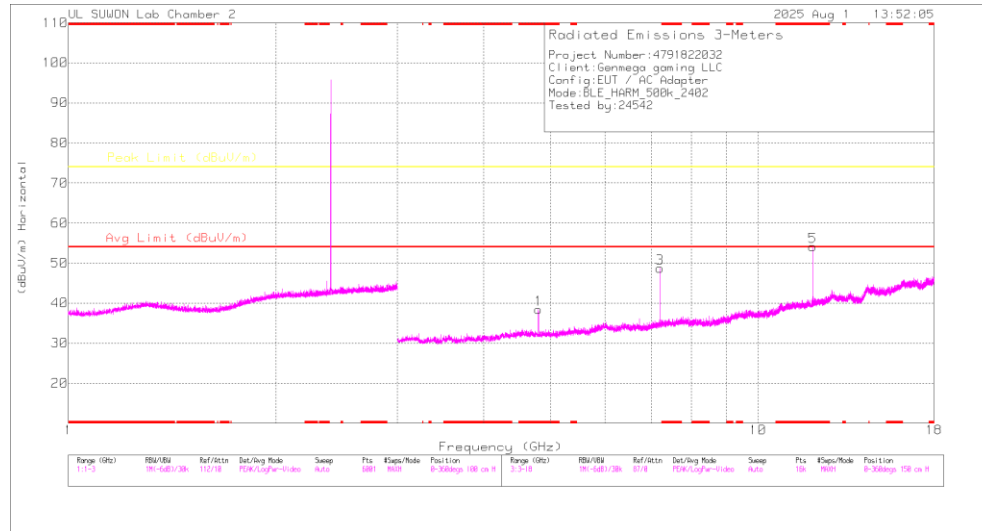
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Altitude [cm]	Height [cm]	Polarity
2402	ANT1	* 2.39	42.27	Pk	31.70	-25.00	0.00	48.97	-	-	74.00	-25.03	241	100	H
		* 2.38904	44.70	Pk	31.70	-25.00	0.00	51.40	-	-	74.00	-22.60	241	100	H
		* 2.39	30.18	RMS	31.70	-25.00	2.41	39.29	54.00	-14.71	-	-	241	100	H
		* 2.36977	31.64	RMS	31.60	-25.00	2.41	40.65	54.00	-13.35	-	-	241	100	H
		* 2.39	41.57	Pk	31.70	-25.00	0.00	48.27	-	-	74.00	-25.73	203	378	V
		* 2.35865	45.41	Pk	31.60	-25.00	0.00	52.01	-	-	74.00	-21.99	203	378	V
		* 2.39	31.76	RMS	31.70	-25.00	2.41	40.87	54.00	-13.13	-	-	203	378	V
		* 2.32221	32.65	RMS	31.60	-25.10	2.41	41.56	54.00	-12.44	-	-	203	378	V
		* 2.48351	42.32	Pk	31.90	-25.00	0.00	49.22	-	-	74.00	-24.78	242	251	H
		* 2.48355	45.19	Pk	31.90	-25.00	0.00	52.09	-	-	74.00	-21.91	242	251	H
2480	ANT1	* 2.48351	32.20	RMS	31.90	-25.00	2.41	41.51	54.00	-12.49	-	-	242	251	H
		* 2.48355	32.83	RMS	31.90	-25.00	2.41	42.14	54.00	-11.86	-	-	242	251	H
		* 2.48351	42.88	Pk	31.90	-25.00	0.00	49.78	-	-	74.00	-24.22	173	393	V
		* 2.48444	45.21	Pk	31.90	-25.00	0.00	52.11	-	-	74.00	-21.89	173	393	V
		* 2.48351	32.64	RMS	31.90	-25.00	2.41	41.95	54.00	-12.05	-	-	173	393	V
		* 2.512	32.52	RMS	32.00	-24.80	2.41	42.13	54.00	-11.87	-	-	173	393	V

Note1. Pk - Peak detector, RMS - RMS detector

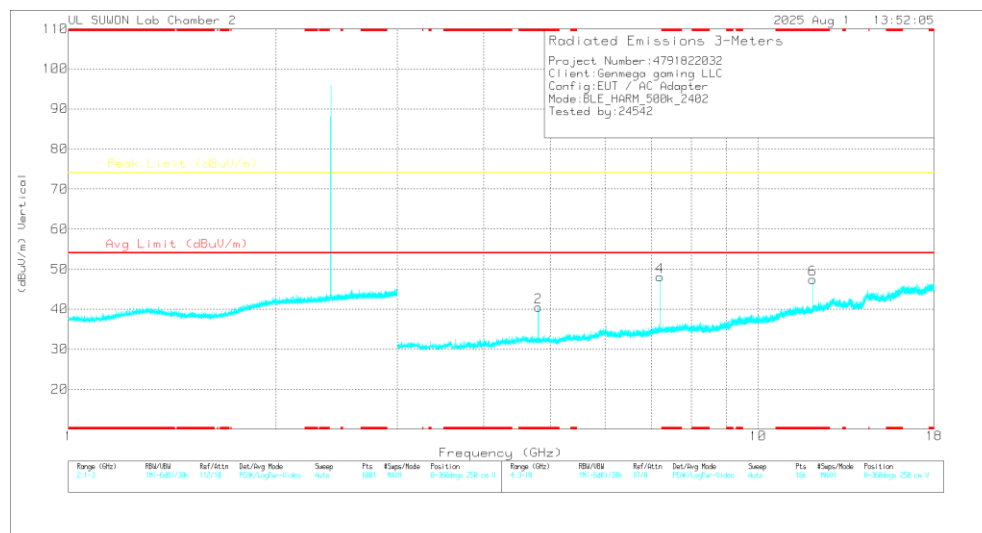
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

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
* 4.80423	43.45	PK2	34	-31.6	0	45.85	-	-	74	-28.15	324	165	H
* 4.80354	34.35	MAV1	34	-31.6	2.41	39.16	54	-14.84	-	-	324	165	H
* 4.80443	44.45	PK2	34	-31.6	0	46.85	-	-	74	-27.15	215	108	V
* 4.80418	35.27	MAV1	34	-31.6	2.41	40.08	54	-13.92	-	-	215	108	V
7.20537	48.32	PK2	35.7	-28.7	0	55.32	-	-	74	-18.68	329	110	H
7.20665	45.61	PK2	35.7	-28.7	0	52.61	-	-	74	-21.39	80	100	V
* 12.0088	41.29	PK2	38.7	-21.9	0	58.09	-	-	74	-15.91	255	220	H
* 12.00894	33.74	MAV1	38.7	-21.9	2.41	52.95	54	-1.05	-	-	255	220	H
* 12.0087	40.08	PK2	38.7	-21.9	0	56.88	-	-	74	-17.12	213	110	V
* 12.00874	32.43	MAV1	38.7	-21.9	2.41	51.64	54	-2.36	-	-	213	110	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

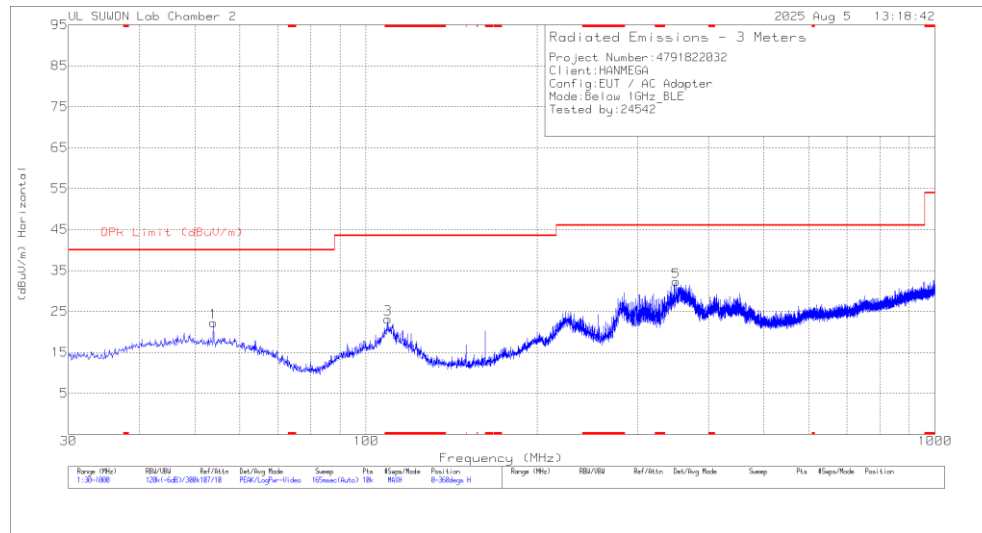
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT 1	* 4.80423	43.45	PK2	34.00	-31.60	0.00	45.85	-	-	74.00	-28.15	324	165	H
		* 4.80354	34.35	MAv1	34.00	-31.60	2.41	39.16	54.00	-14.84	-	-	324	165	H
		* 4.80443	44.45	PK2	34.00	-31.60	0.00	46.85	-	-	74.00	-27.15	215	108	V
		* 4.80418	35.27	MAv1	34.00	-31.60	2.41	40.08	54.00	-13.92	-	-	215	108	V
		7.205	48.32	PK2	35.70	-28.70	0.00	55.32	-	-	74.00	-18.68	329	110	H
		7.207	45.61	PK2	35.70	-28.70	0.00	52.61	-	-	74.00	-21.39	80	100	V
		* 12.0088	41.29	PK2	38.70	-21.90	0.00	58.09	-	-	74.00	-15.91	255	220	H
		* 12.00894	33.74	MAv1	38.70	-21.90	2.41	52.95	54.00	-1.05	-	-	255	220	H
		* 12.0087	40.08	PK2	38.70	-21.90	0.00	56.88	-	-	74.00	-17.12	213	110	V
		* 12.00874	32.43	MAv1	38.70	-21.90	2.41	51.64	54.00	-2.36	-	-	213	110	V
		* 4.87947	43.46	PK2	34.00	-31.20	0.00	46.26	-	-	74.00	-27.74	162	145	H
		* 4.87975	34.16	MAv1	34.00	-31.20	2.41	39.37	54.00	-14.63	-	-	162	145	H
2440	ANT 1	* 4.88044	44.92	PK2	34.00	-31.30	0.00	47.62	-	-	74.00	-26.38	140	209	V
		* 4.87966	36.85	MAv1	34.00	-31.20	2.41	42.06	54.00	-11.94	-	-	140	209	V
		* 7.31915	45.46	PK2	35.70	-28.30	0.00	52.86	-	-	74.00	-21.14	331	105	H
		* 7.32053	38.63	MAv1	35.70	-28.30	2.41	48.44	54.00	-5.56	-	-	331	105	H
		* 7.31918	44.25	PK2	35.70	-28.30	0.00	51.65	-	-	74.00	-22.35	201	107	V
		* 7.31916	35.99	MAv1	35.70	-28.30	2.41	45.80	54.00	-8.20	-	-	201	107	V
		* 12.19874	40.25	PK2	38.80	-21.90	0.00	57.15	-	-	74.00	-16.85	239	215	H
		* 12.20118	31.68	MAv1	38.80	-21.90	2.41	50.99	54.00	-3.01	-	-	239	215	H
		* 12.20121	39.08	PK2	38.80	-21.90	0.00	55.98	-	-	74.00	-18.02	213	112	V
		* 12.19869	30.33	MAv1	38.80	-21.90	2.41	49.64	54.00	-4.36	-	-	213	112	V
		* 4.96052	42.33	PK2	34.10	-31.10	0.00	45.33	-	-	74.00	-28.67	281	100	H
		* 4.95948	32.10	MAv1	34.10	-31.20	2.41	37.41	54.00	-16.59	-	-	281	100	H
2480	ANT 1	* 4.96051	41.49	PK2	34.10	-31.10	0.00	44.49	-	-	74.00	-29.51	288	101	V
		* 4.95965	30.79	MAv1	34.10	-31.20	2.41	36.10	54.00	-17.90	-	-	288	101	V
		* 7.43924	44.76	PK2	35.70	-27.80	0.00	52.66	-	-	74.00	-21.34	332	104	H
		* 7.44074	36.55	MAv1	35.70	-27.80	2.41	46.86	54.00	-7.14	-	-	332	104	H
		* 7.44072	43.33	PK2	35.70	-27.80	0.00	51.23	-	-	74.00	-22.77	199	100	V
		* 7.44068	34.09	MAv1	35.70	-27.80	2.41	44.40	54.00	-9.60	-	-	199	100	V
		* 12.39865	38.57	PK2	38.80	-21.60	0.00	55.77	-	-	74.00	-18.23	254	243	H
		* 12.4012	28.64	MAv1	38.80	-21.60	2.41	48.25	54.00	-5.75	-	-	254	243	H
		* 12.39874	37.16	PK2	38.80	-21.60	0.00	54.36	-	-	74.00	-19.64	213	110	V
		* 12.40117	26.86	MAv1	38.80	-21.60	2.41	46.47	54.00	-7.53	-	-	213	110	V

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

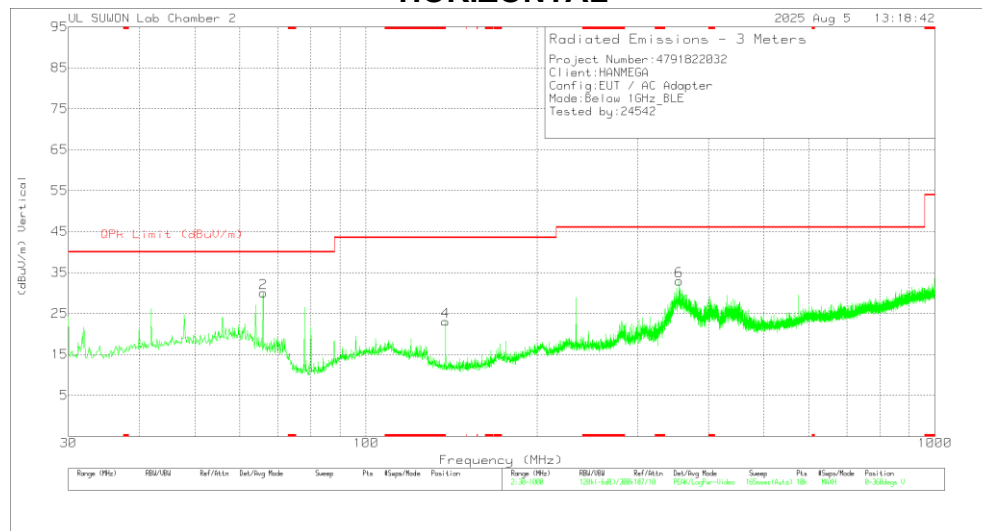
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

10.3. WORST CASE 30 MHz ~1 GHz

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



HORIZONTAL



VERTICAL

Trace Markers

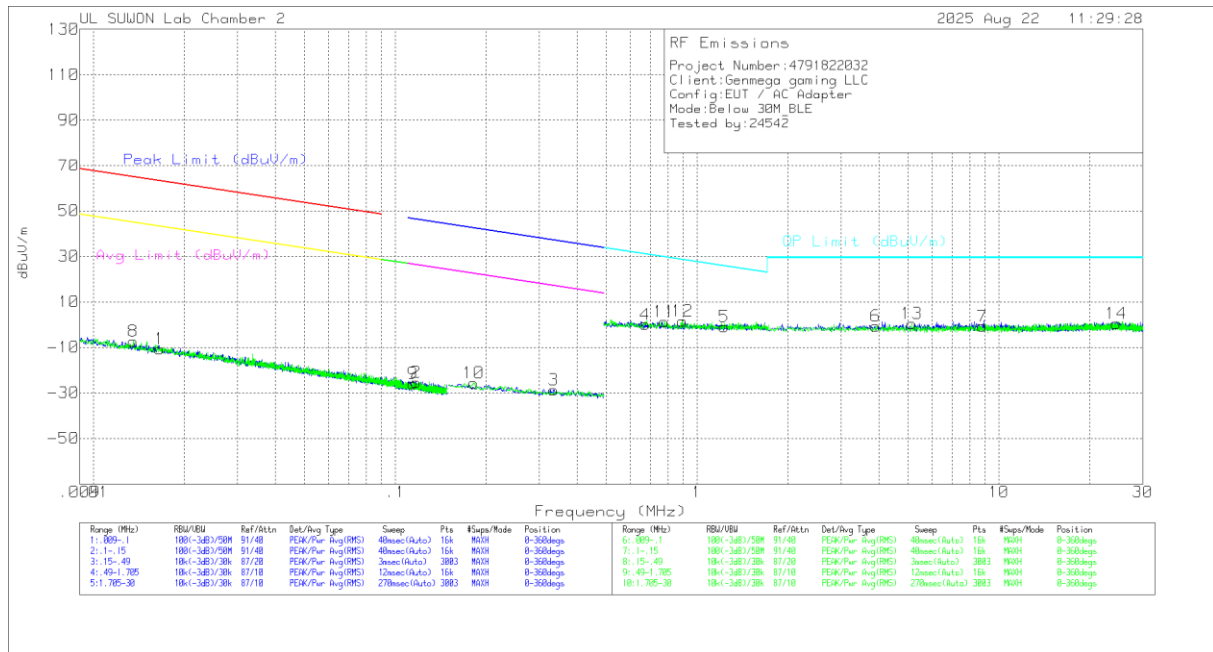
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dB/m)	Below_1G_Path Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	QPK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	53.959	34.55	Pk	19.5	-31.8	0	22.25	40	-17.75	0-360	300	H
3	* 109.346	37.19	Pk	17.2	-31.3	0	23.09	43.52	-20.43	0-360	200	H
5	350.488	41.45	Pk	20.9	-30.1	0	32.25	46.02	-13.77	0-360	100	H
2	65.987	44.6	Pk	16.9	-31.5	0	30	40	-10	0-360	300	V
4	* 137.961	40.36	Pk	13.8	-31.1	0	23.06	43.52	-20.46	0-360	200	V
6	354.853	42.19	Pk	20.8	-30.1	0	32.89	46.02	-13.13	0-360	100	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

Marker	Frequency (MHz)	Meter Reading g (dBuV)	Det	HFH2-ZZ_Loop Antenna (dB/m)	Cable Loss (dB)	Dist Corr 300m (dB)	Correct ed Reading g (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.01658	48.91	Pk	20.3	.1	-80	-10.69	63.19	-73.88	43.19	-53.88	-	-	-	-	0-360
2	.11732	34.63	Pk	20	.1	-80	-25.27	-	-	-	-	46.24	-71.51	26.24	-51.51	0-360
3	.33453	31.49	Pk	19.8	.1	-80	-28.61	-	-	-	-	37.12	-65.73	17.12	-45.73	0-360
8	.01357	52.45	Pk	20.3	.1	-80	-7.15	64.94	-72.09	44.94	-52.09	-	-	-	-	0-360
9	.11449	34.11	Pk	20	.1	-80	-25.79	-	-	-	-	46.45	-72.24	26.45	-52.24	0-360
10	.18204	34.44	Pk	19.9	.1	-80	-25.56	-	-	-	-	42.42	-67.98	22.42	-47.98	0-360

Marker	Frequency (MHz)	Meter Reading g (dBuV)	Det	HFH2-ZZ_Loop Antenna (dB/m)	Cable Loss (dB)	Dist Corr 300m (dB)	Correct ed Reading g (dBuV/m)	OP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
4	.67487	20.11	Pk	19.9	.1	-40	.11	31.03	-30.92	0-360
5	1.23081	18.94	Pk	19.9	.2	-40	-.96	25.82	-26.78	0-360
6	3.91045	19.12	Pk	20.1	.3	-40	-.48	29.5	-29.98	0-360
7	8.8303	18.88	Pk	20	.4	-40	-.72	29.5	-30.22	0-360
11	.77914	21.33	Pk	19.9	.2	-40	1.43	29.78	-28.35	0-360
12	.89478	21.44	Pk	19.9	.2	-40	1.54	28.58	-27.04	0-360
13	5.1357	20.02	Pk	20.1	.3	-40	.42	29.5	-29.08	0-360
14	24.46638	18.99	Pk	20.7	.8	-40	.49	29.5	-29.01	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.

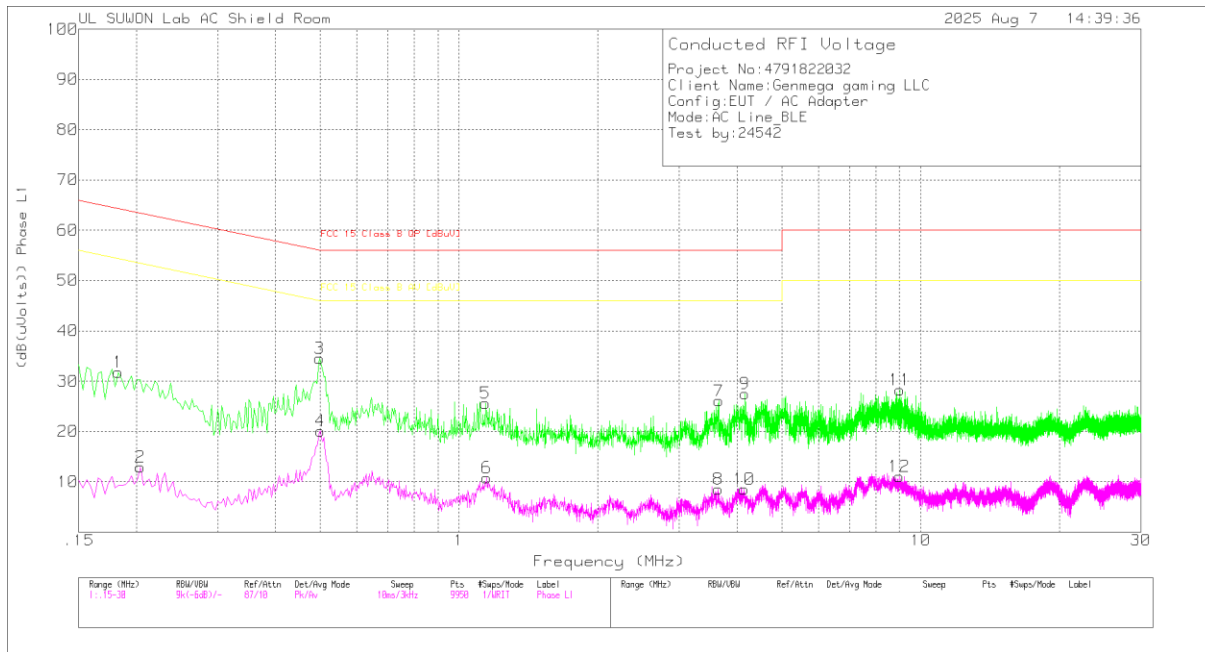
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line

LINE 1 RESULTS



Trace Markers

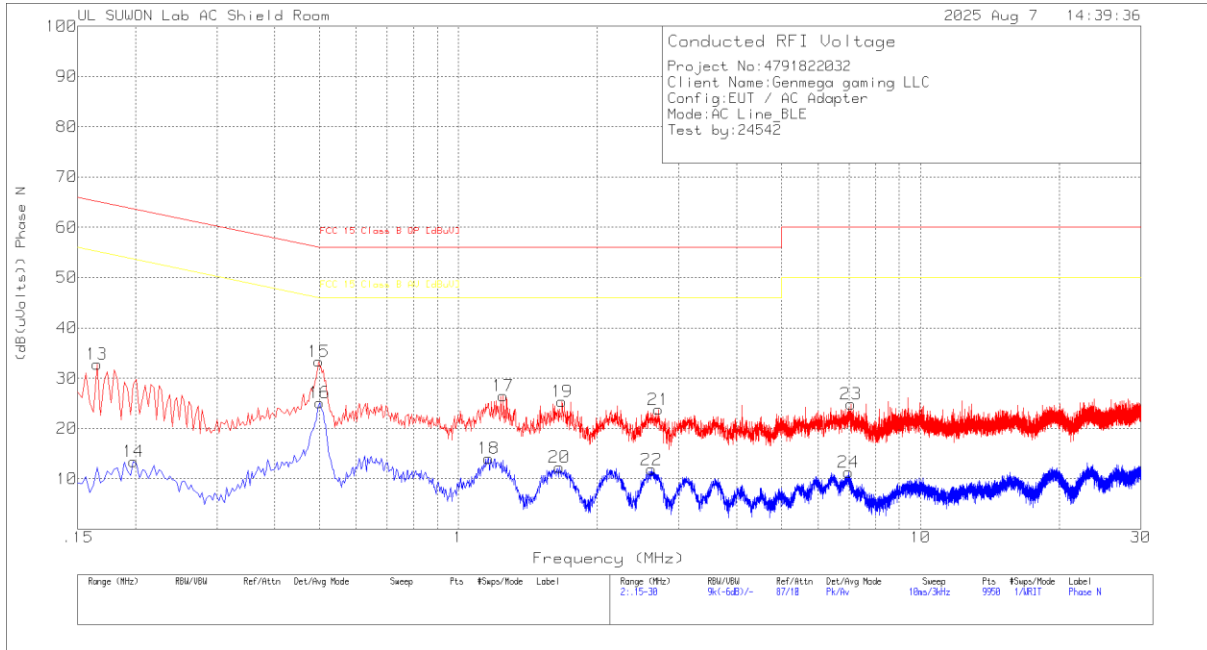
Range 1: Phase L1 .15 - 30MHz

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	.183	21.81	Pk	9.9	.1	31.81	64.35	-32.54	-	-
2	.204	3.07	Av	9.8	.1	12.97	-	-	53.45	-40.48
3	.498	24.57	Pk	9.9	.1	34.57	56.03	-21.46	-	-
4	.501	10.14	Av	9.9	.1	20.14	-	-	46	-25.86
5	1.14	15.79	Pk	9.7	.1	25.59	56	-30.41	-	-
6	1.149	.98	Av	9.7	.1	10.78	-	-	46	-35.22
7	3.651	16.26	Pk	9.7	.1	26.06	56	-29.94	-	-
8	3.648	-1.24	Av	9.7	.1	8.56	-	-	46	-37.44
9	4.164	17.75	Pk	9.7	.1	27.55	56	-28.45	-	-
10	4.149	-1.23	Av	9.7	.1	8.57	-	-	46	-37.43
11	9.006	18.3	Pk	9.8	.2	28.3	60	-31.7	-	-
12	8.991	1.05	Av	9.8	.2	11.05	-	-	50	-38.95

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	.165	22.81	Pk	9.9	.1	32.81	65.21	-32.4	-	-
14	.198	3.43	Av	9.9	.1	13.43	-	-	53.69	-40.26
15	.498	23.34	Pk	9.9	.1	33.34	56.03	-22.69	-	-
16	.501	15.11	Av	9.9	.1	25.11	-	-	46	-20.89
17	1.251	16.67	Pk	9.7	.1	26.47	56	-29.53	-	-
18	1.164	4.31	Av	9.7	.1	14.11	-	-	46	-31.89
19	1.677	15.61	Pk	9.7	.1	25.41	56	-30.59	-	-
20	1.653	2.46	Av	9.7	.1	12.26	-	-	46	-33.74
21	2.712	13.99	Pk	9.7	.1	23.79	56	-32.21	-	-
22	2.616	2.06	Av	9.7	.1	11.86	-	-	46	-34.14
23	7.071	14.83	Pk	9.8	.2	24.83	60	-35.17	-	-
24	6.984	1.26	Av	9.8	.2	11.26	-	-	50	-38.74

Pk - Peak detector

Av - Average detection

END OF TEST REPORT