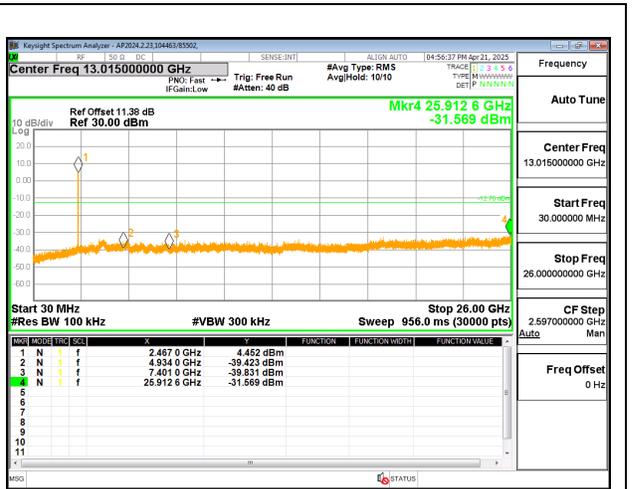


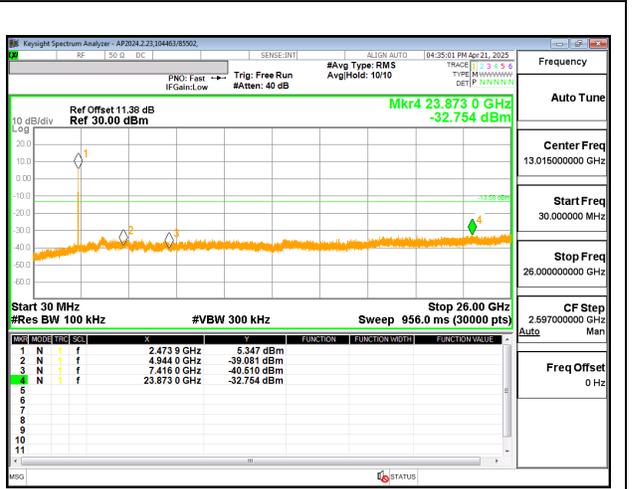
HIGH CHANNEL 12 BANDEDGE



OUT-OF-BAND HIGH CHANNEL 12

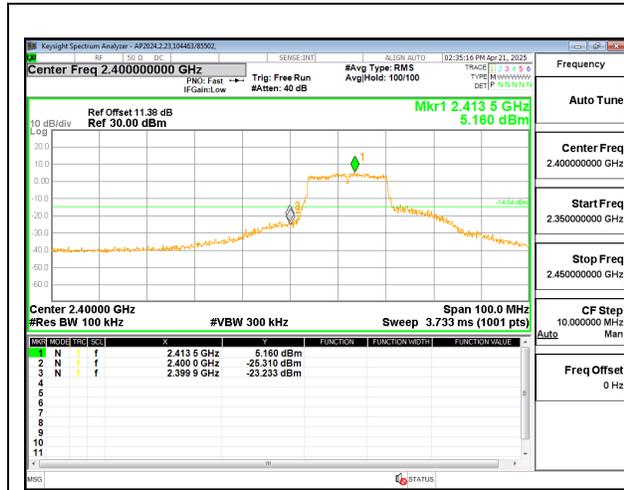


HIGH CHANNEL 13 BANDEDGE

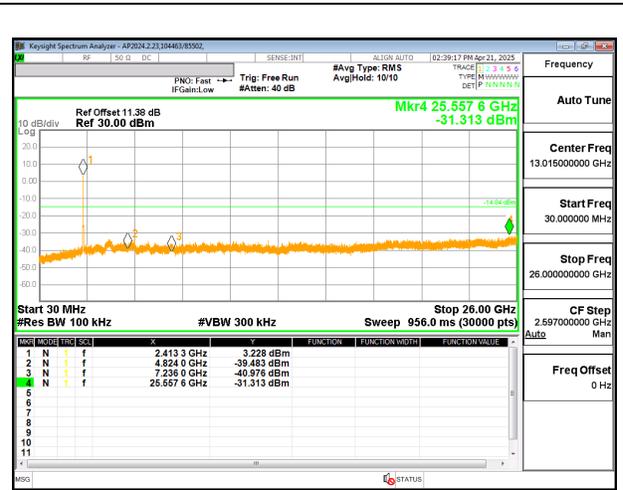


OUT-OF-BAND HIGH CHANNEL 13

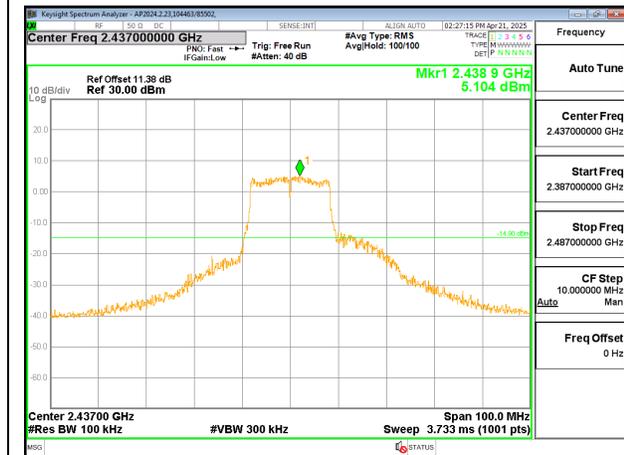
9.7.2. 802.11g MODE



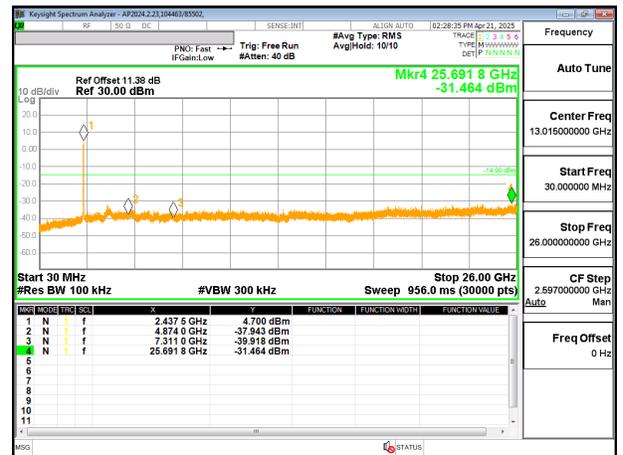
LOW CHANNEL 1 BANDEDGE



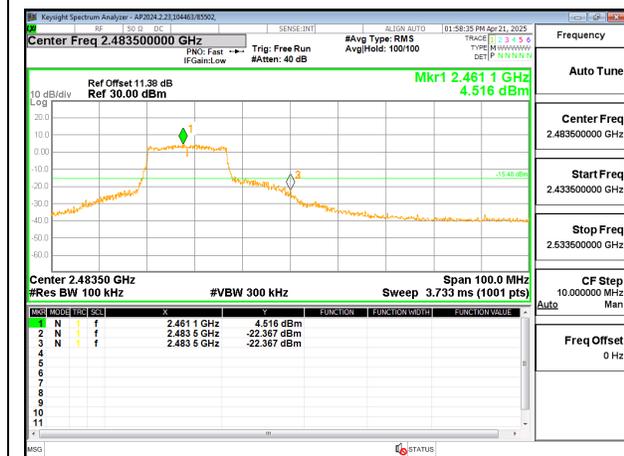
OUT-OF-BAND LOW CHANNEL 1



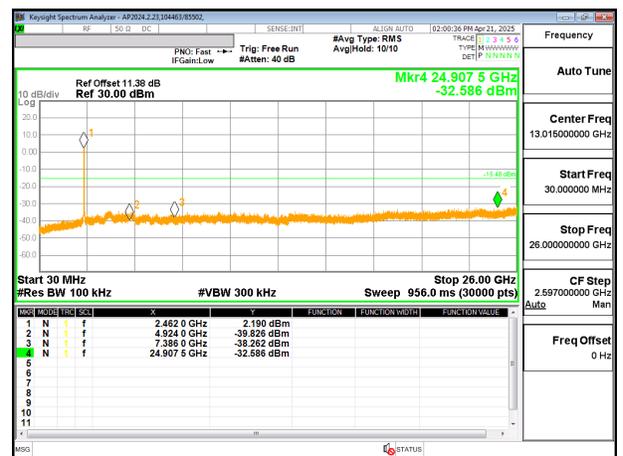
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



HIGH CHANNEL 11 BANDEDGE



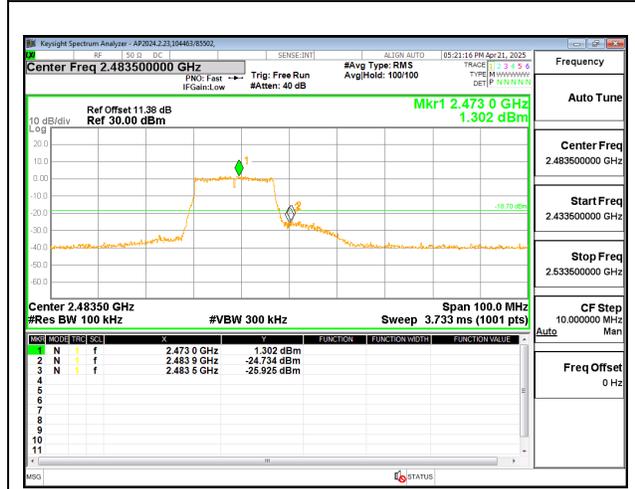
OUT-OF-BAND HIGH CHANNEL 11



HIGH CHANNEL 12 BANDEDGE



OUT-OF-BAND HIGH CHANNEL 12

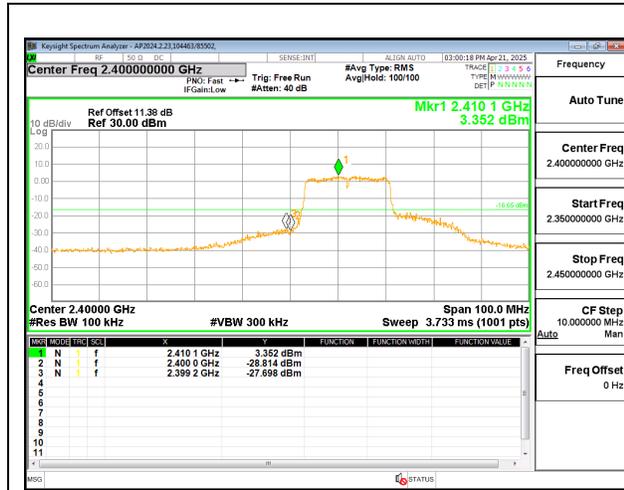


HIGH CHANNEL 13 BANDEDGE

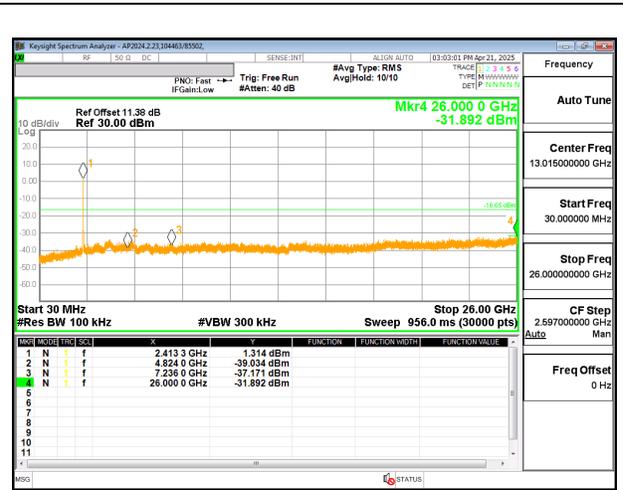


OUT-OF-BAND HIGH CHANNEL 13

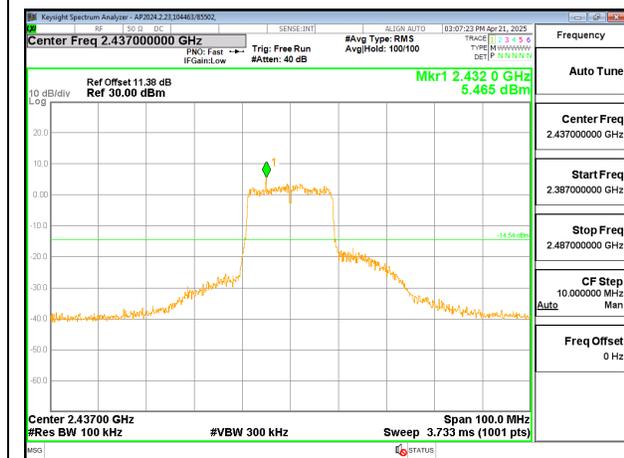
9.7.3. 802.11n HT20 MODE



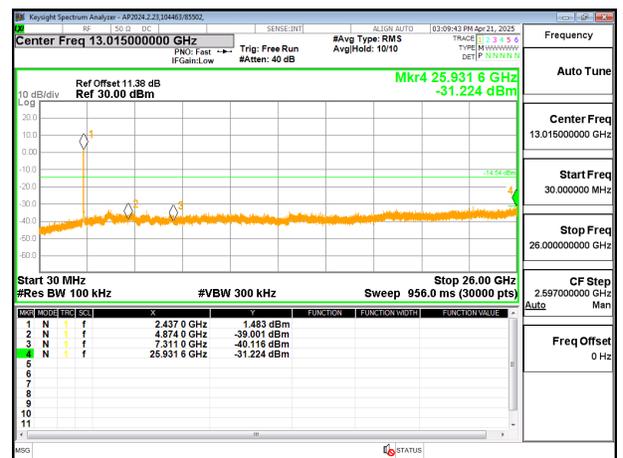
LOW CHANNEL 1 BANDEDGE



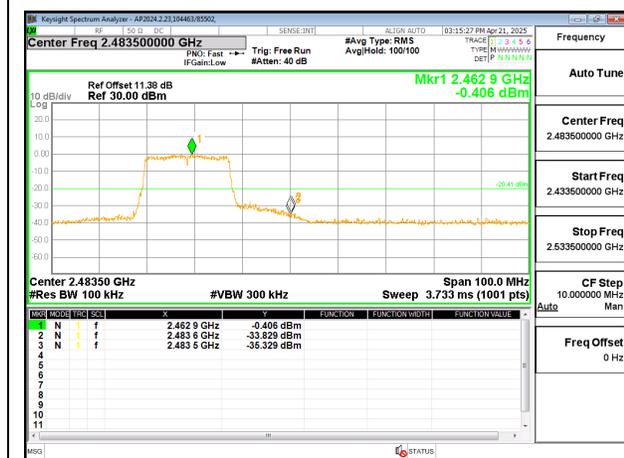
OUT-OF-BAND LOW CHANNEL 1



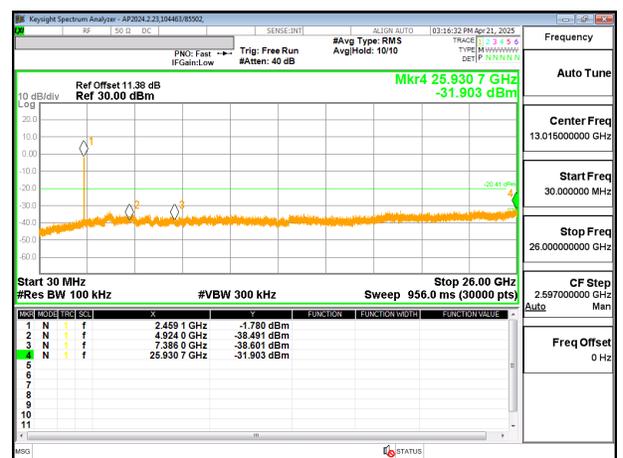
IN-BAND REFERENCE LEVEL



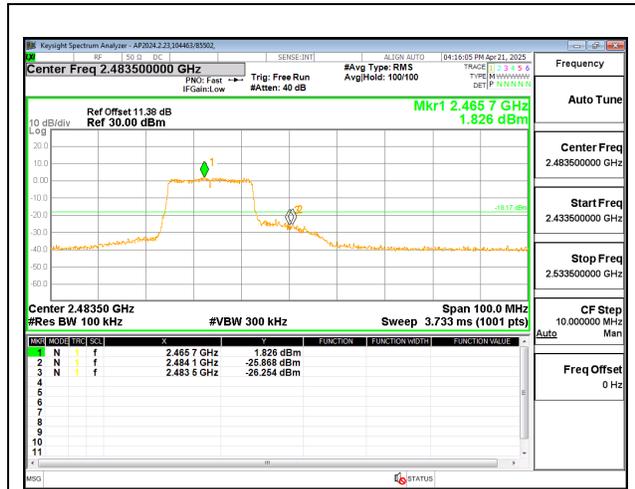
OUT-OF-BAND MID CHANNEL



HIGH CHANNEL 11 BANDEDGE



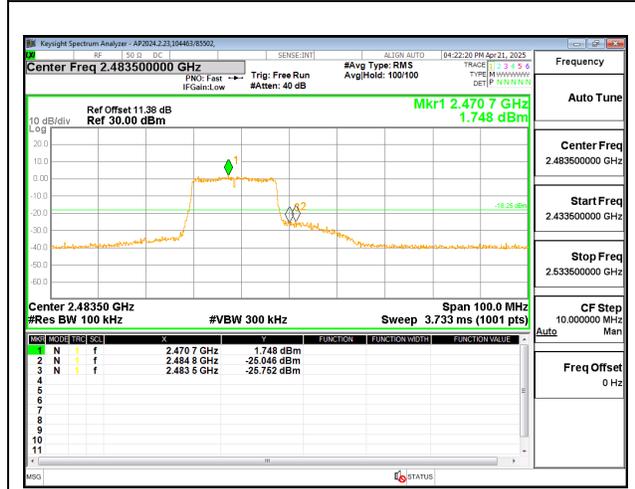
OUT-OF-BAND HIGH CHANNEL 11



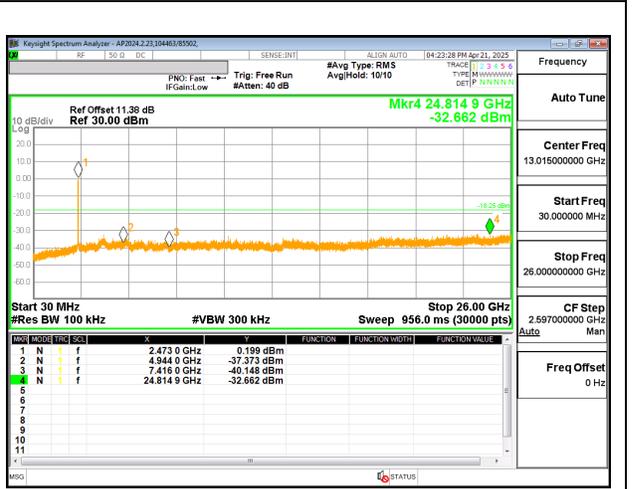
HIGH CHANNEL 12 BANDEDGE



OUT-OF-BAND HIGH CHANNEL 12

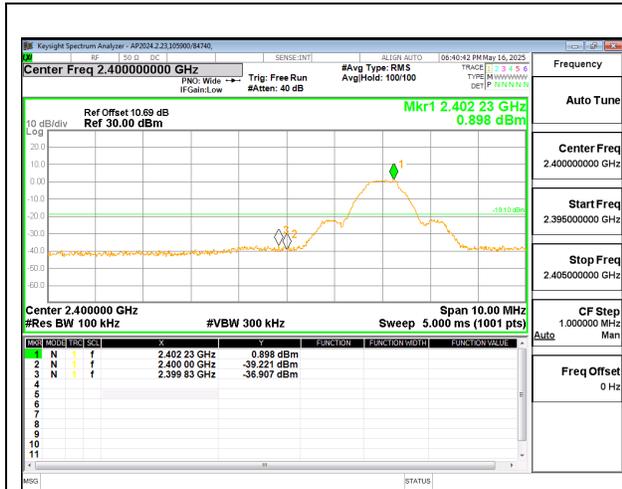


HIGH CHANNEL 13 BANDEDGE

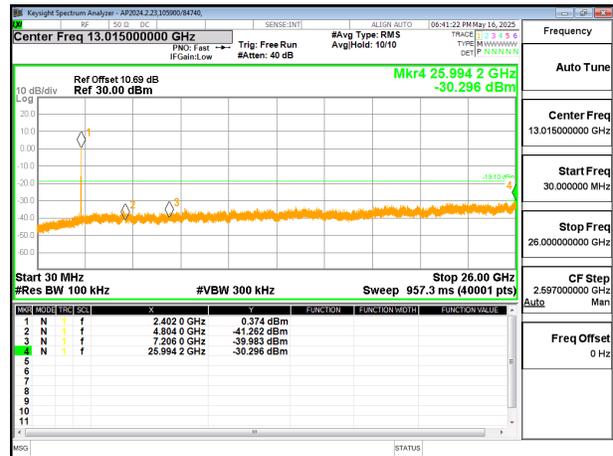


OUT-OF-BAND HIGH CHANNEL 13

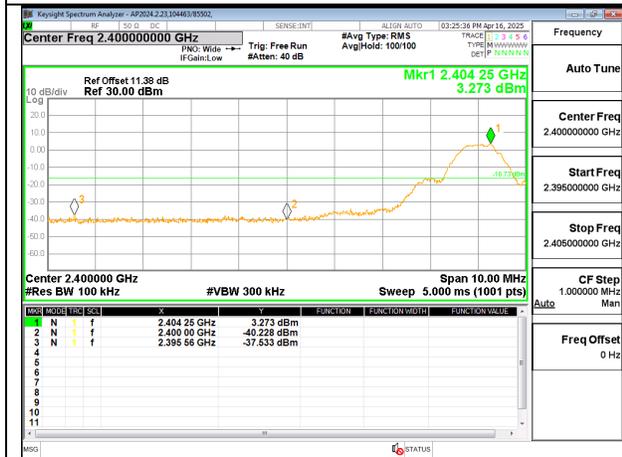
9.7.4. BLE (1Mbps)



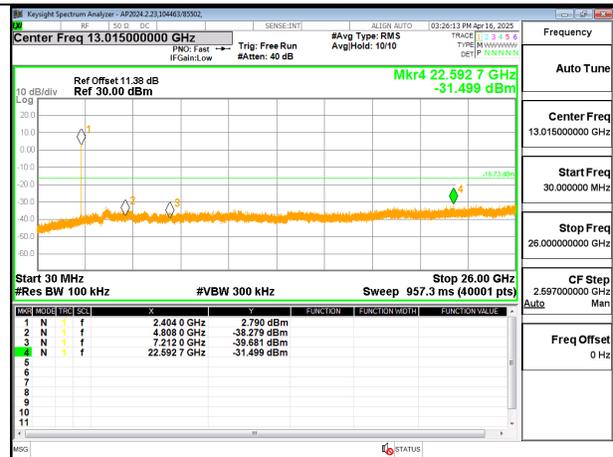
LOW CHANNEL BANDEDGE



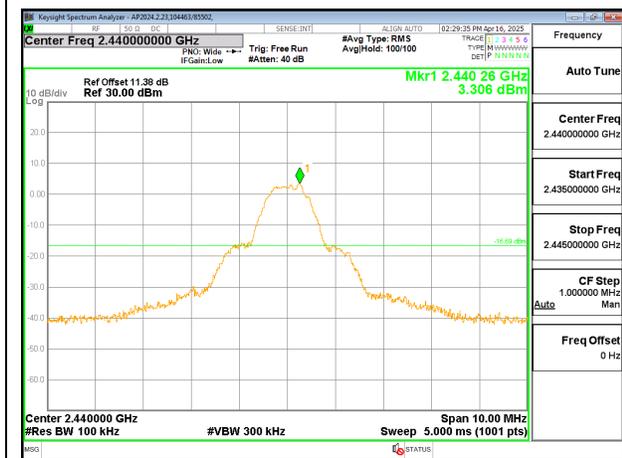
OUT-OF-BAND LOW CHANNEL



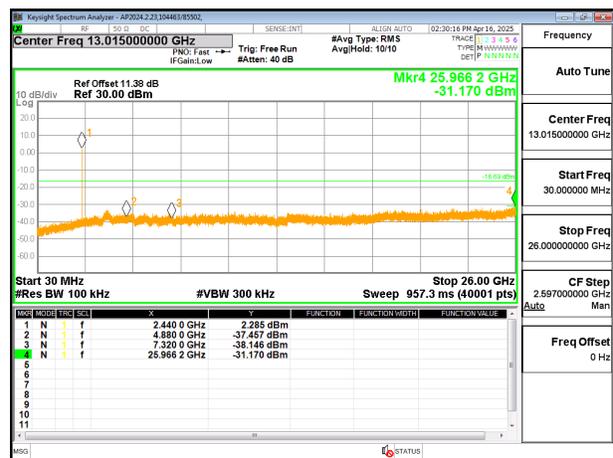
LOW CHANNEL BANDEDGE



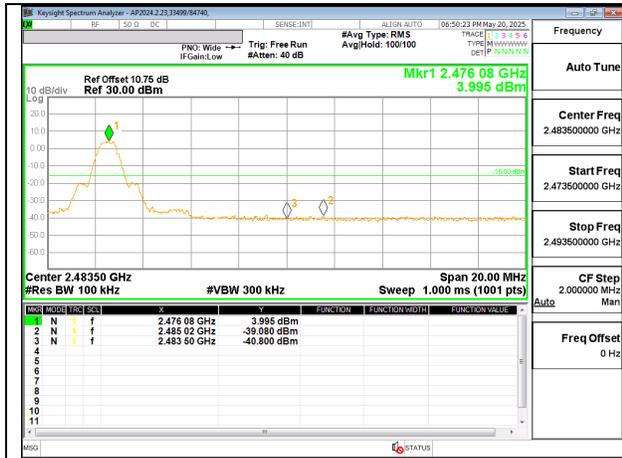
OUT-OF-BAND LOW CHANNEL



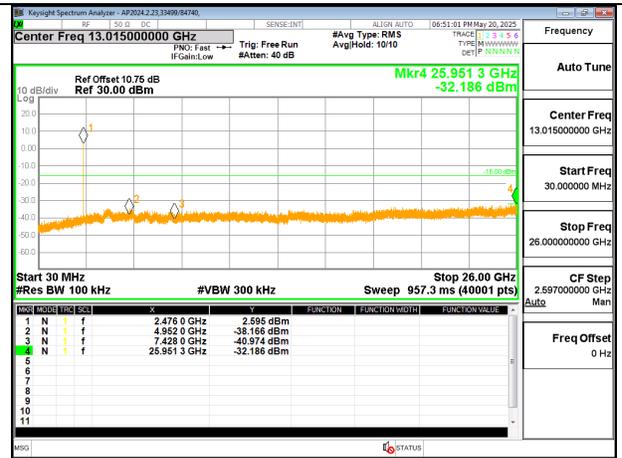
IN-BAND REFERENCE LEVEL



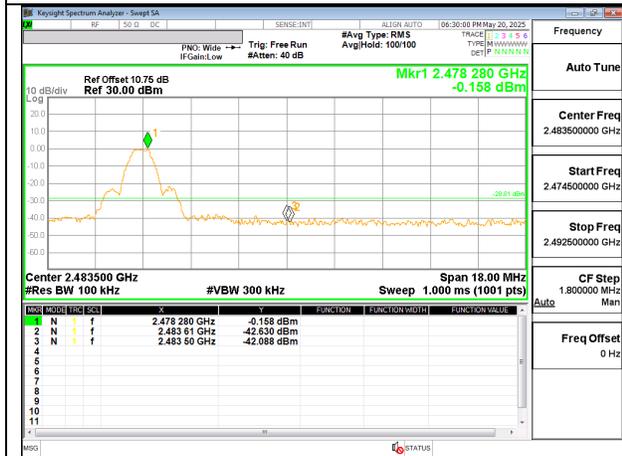
OUT-OF-BAND MID CHANNEL



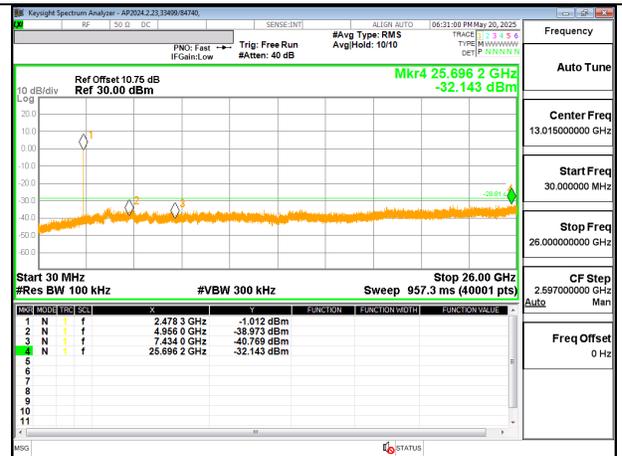
HIGH CHANNEL BANDEDGE



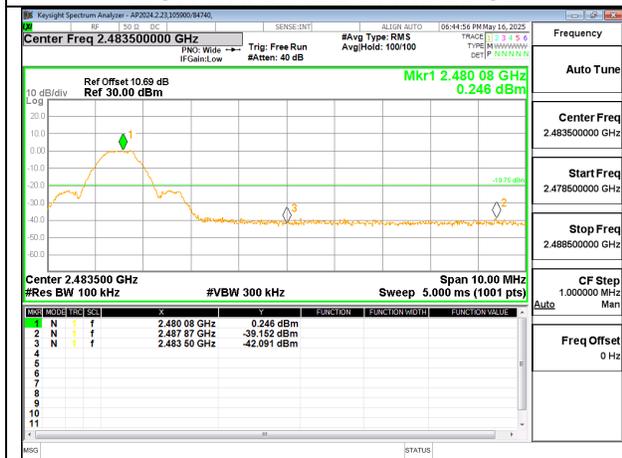
OUT-OF-BAND HIGH CHANNEL



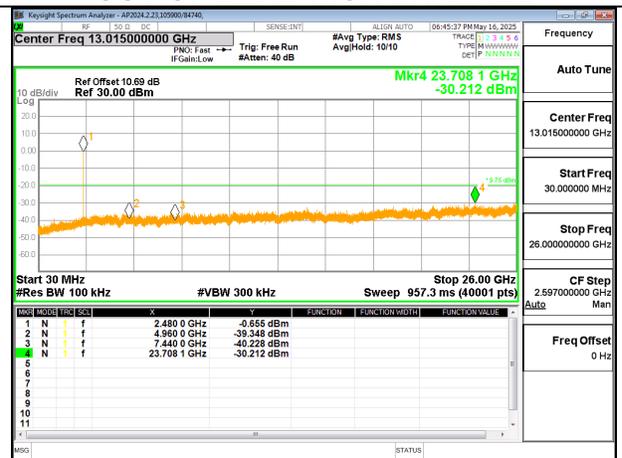
HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

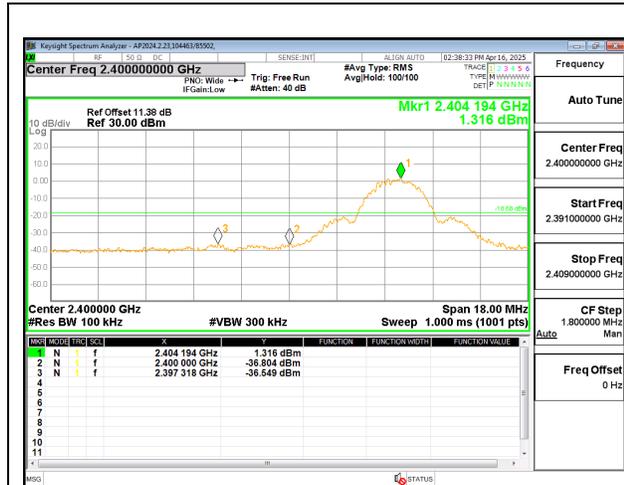


HIGH CHANNEL BANDEDGE

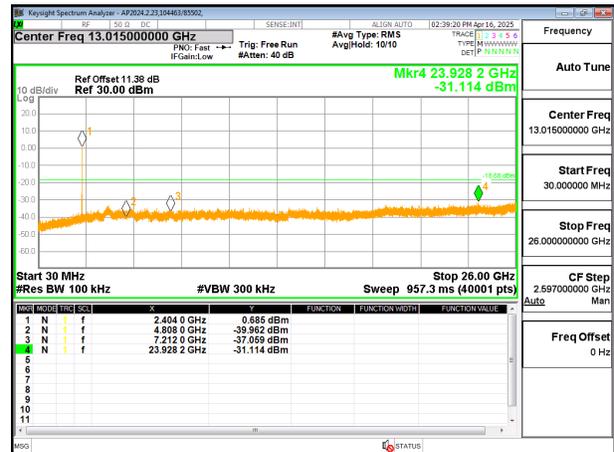


OUT-OF-BAND HIGH CHANNEL

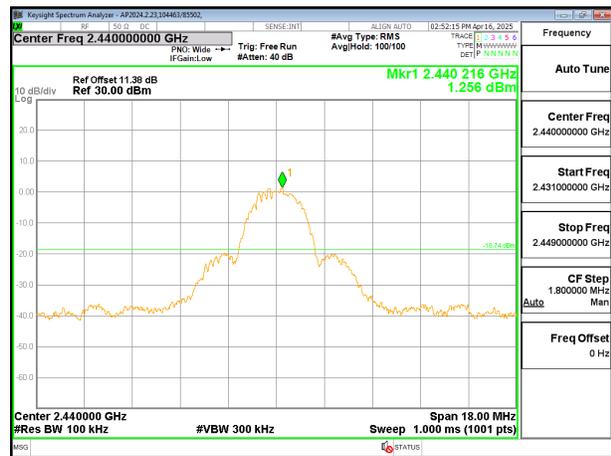
9.7.5. BLE (2Mbps)



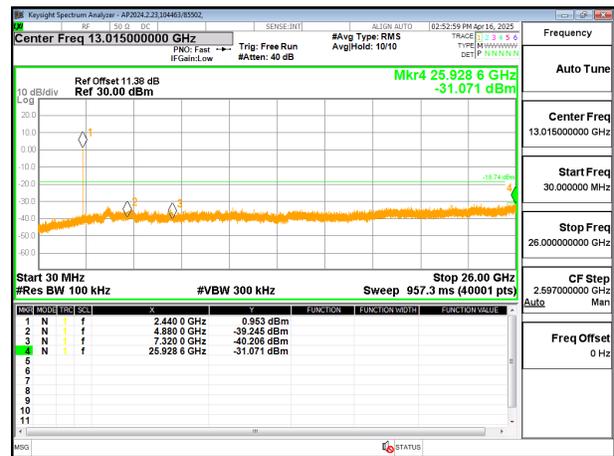
LOW CHANNEL BANDEDGE



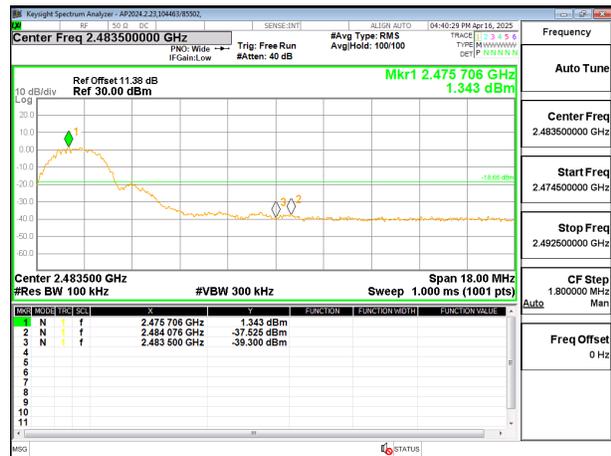
OUT-OF-BAND LOW CHANNEL



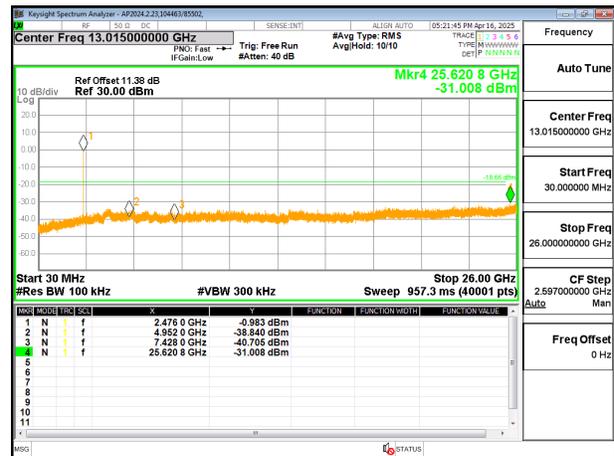
IN-BAND REFERENCE LEVEL



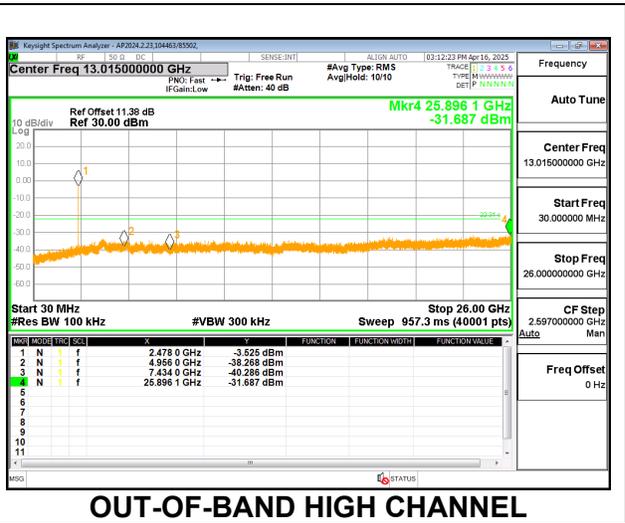
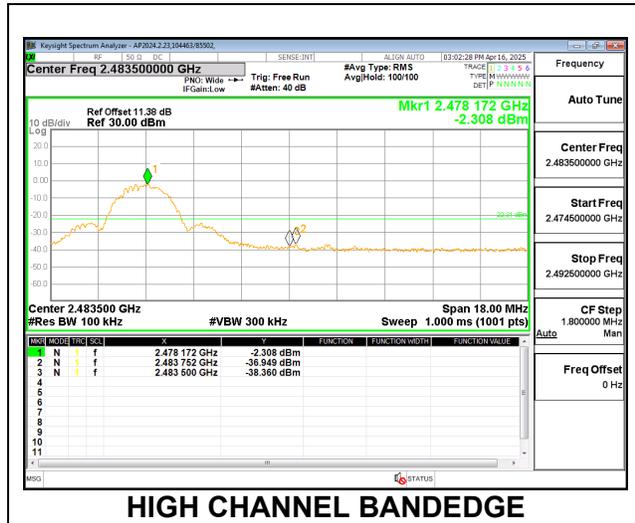
OUT-OF-BAND MID CHANNEL



HIGH CHANNEL BANDEDGE



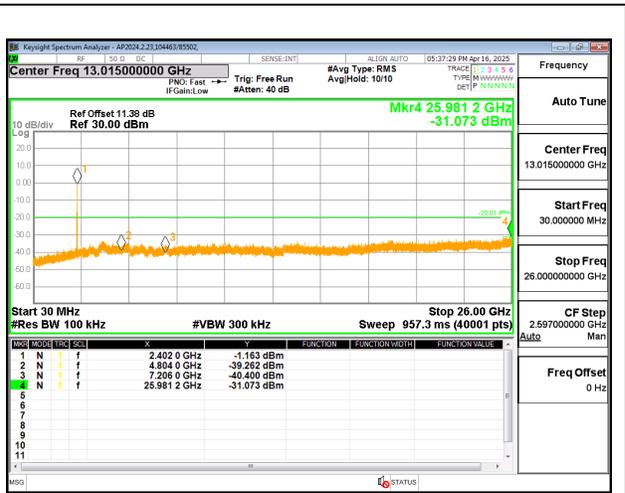
OUT-OF-BAND HIGH CHANNEL



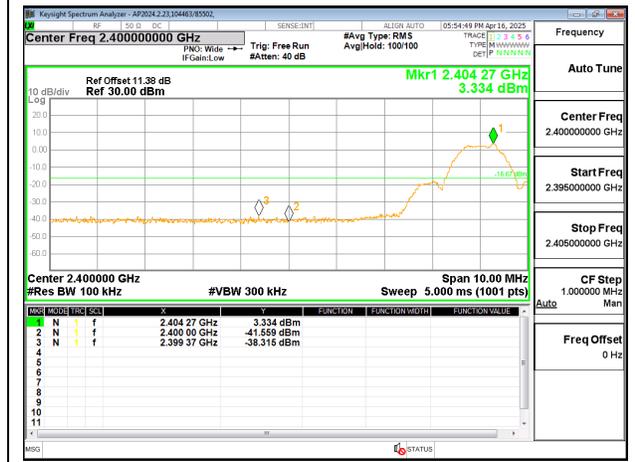
9.7.6 ANT/ANT+ (60 kbps)



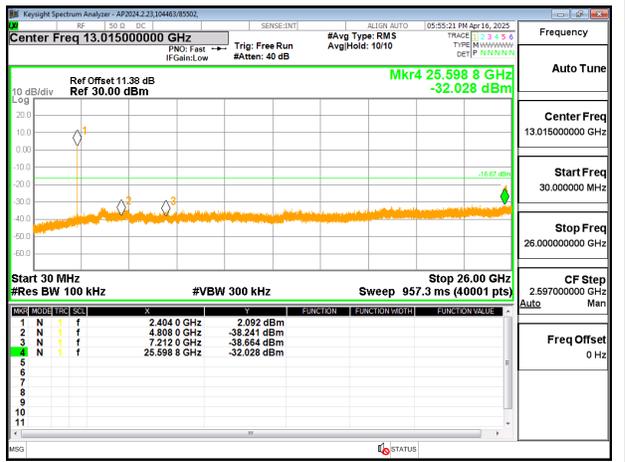
LOW CHANNEL BANDEDGE



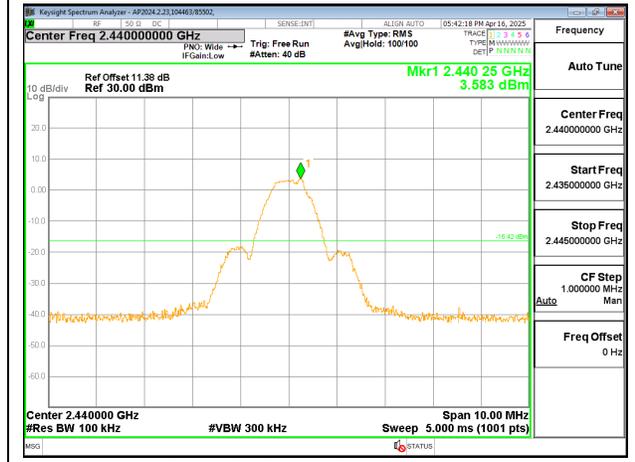
OUT-OF-BAND LOW CHANNEL



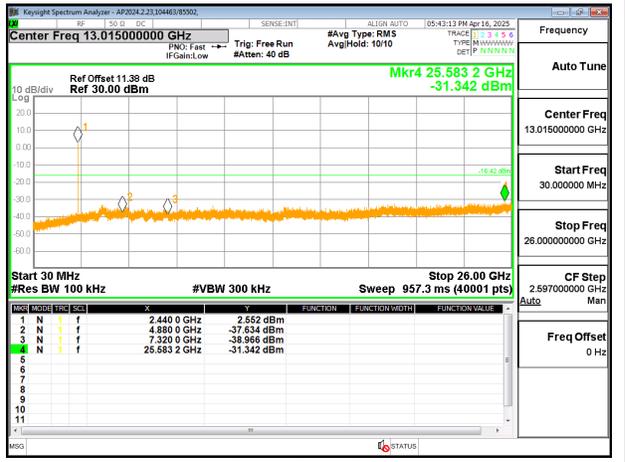
LOW CHANNEL BANDEDGE



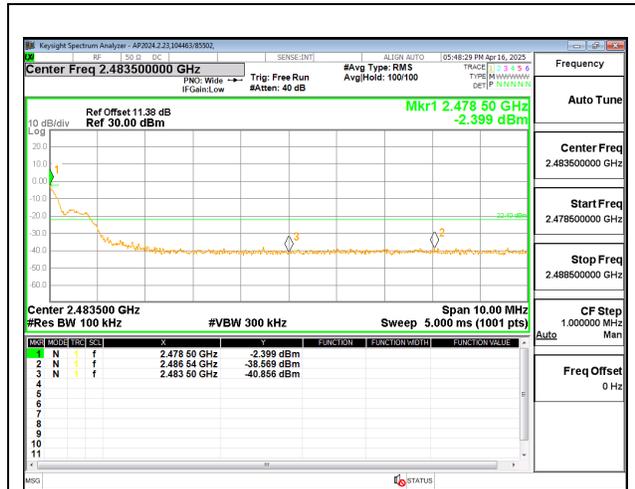
OUT-OF-BAND LOW CHANNEL



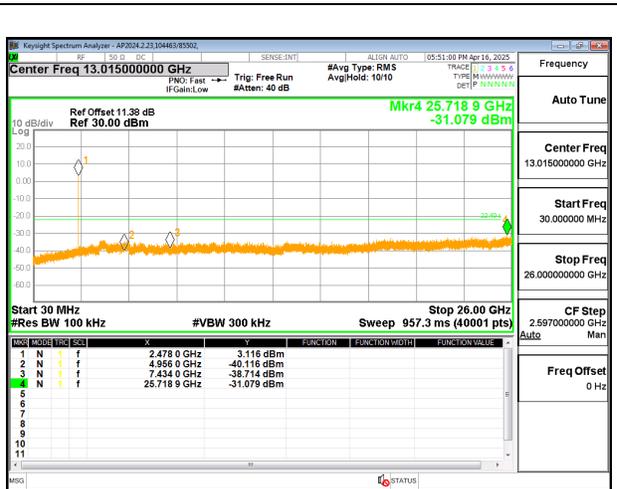
IN-BAND REFERENCE LEVEL



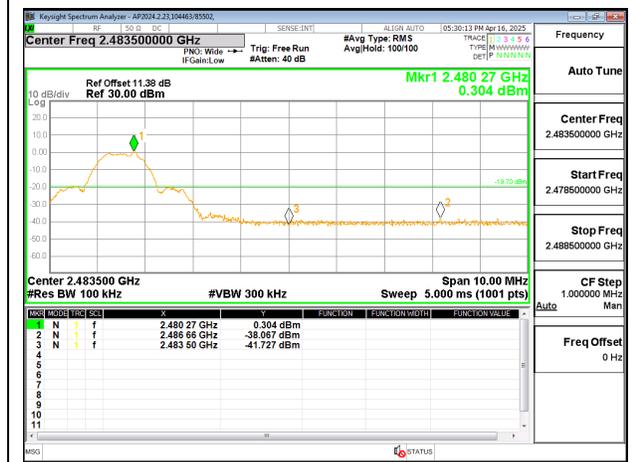
OUT-OF-BAND MID CHANNEL



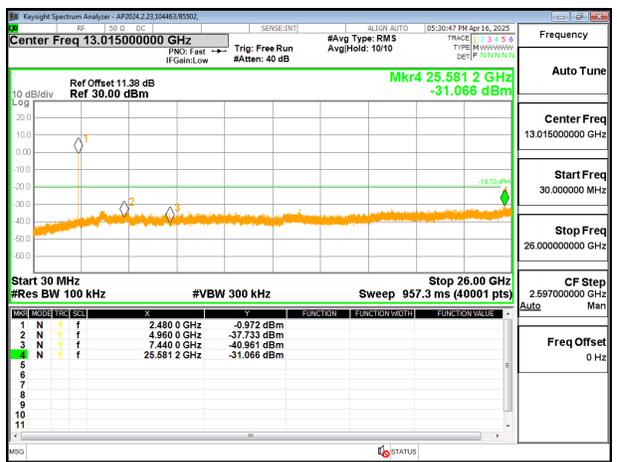
HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL



HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

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

IC RSS-GEN Clause 8.9 and 8.10

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

TEST PROCEDURE

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

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

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

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

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

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

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

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

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

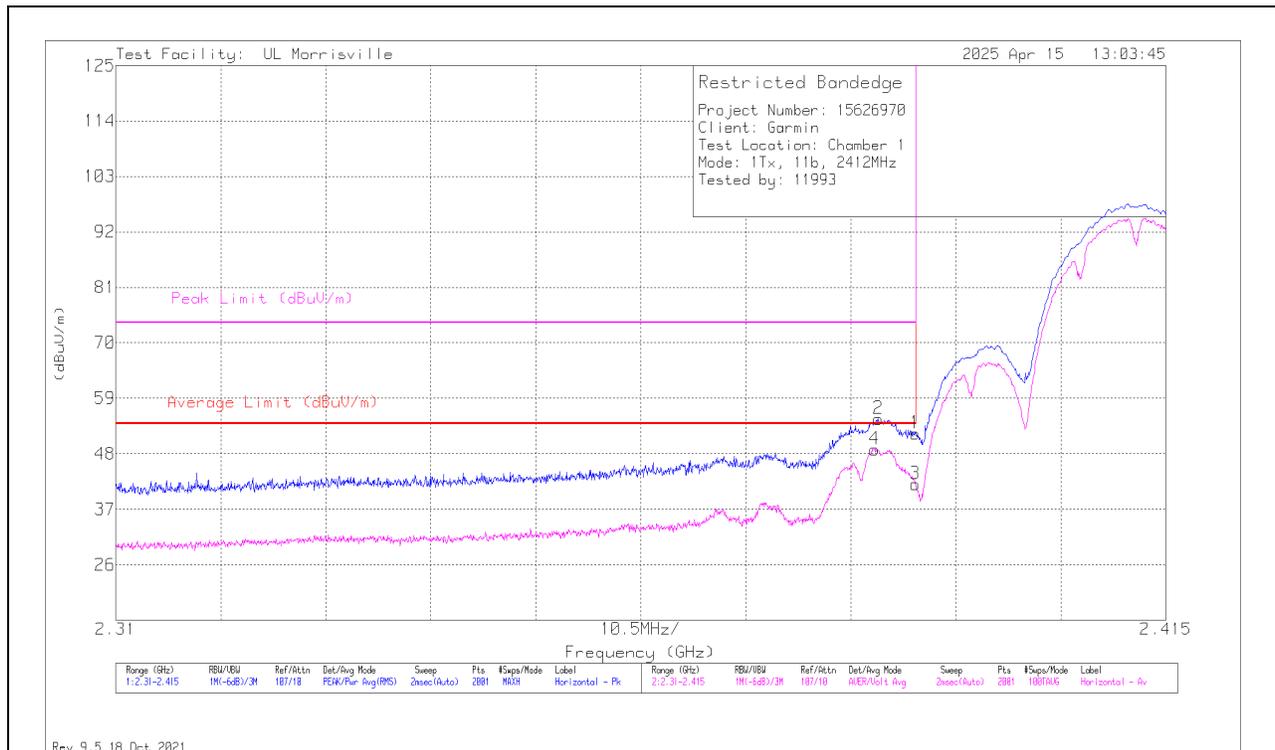
OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

BANDEDGE (LOW CHANNEL, 2412 MHz)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	44.18	Pk	31.9	-24	52.08	-	-	74	-21.92	88	239	H
2	*** 2.38623	46.87	Pk	31.9	-23.9	54.87	-	-	74	-19.13	88	239	H
3	*** 2.38996	34.07	ADV	31.9	-24	41.97	54	-12.03	-	-	88	239	H
4	*** 2.38586	40.92	ADV	31.9	-23.9	48.92	54	-5.08	-	-	88	239	H

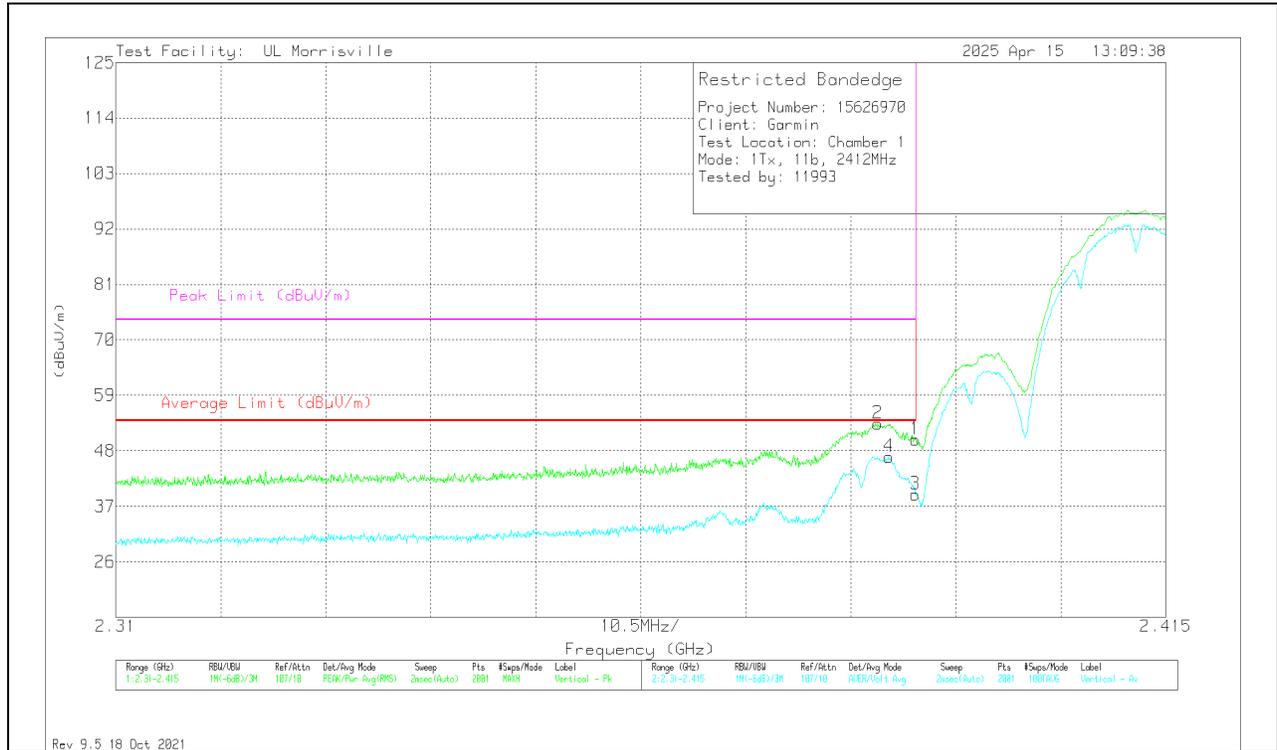
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

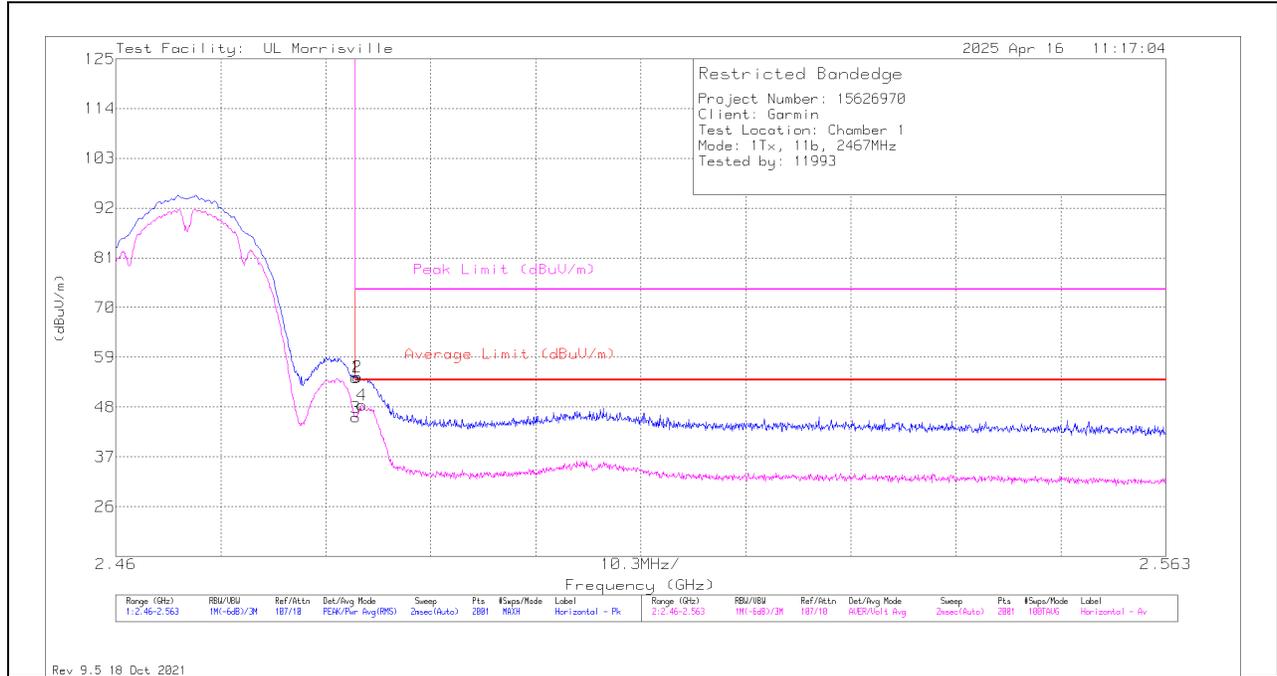


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	42.33	Pk	31.9	-24	50.23	-	-	74	-23.77	165	248	V
2	*** 2.38618	45.42	Pk	31.9	-23.9	53.42	-	-	74	-20.58	165	248	V
3	*** 2.38996	31.5	ADV	31.9	-24	39.4	54	-14.6	-	-	165	248	V
4	*** 2.38733	38.8	ADV	31.9	-23.9	46.8	54	-7.2	-	-	165	248	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, 2467 MHz)

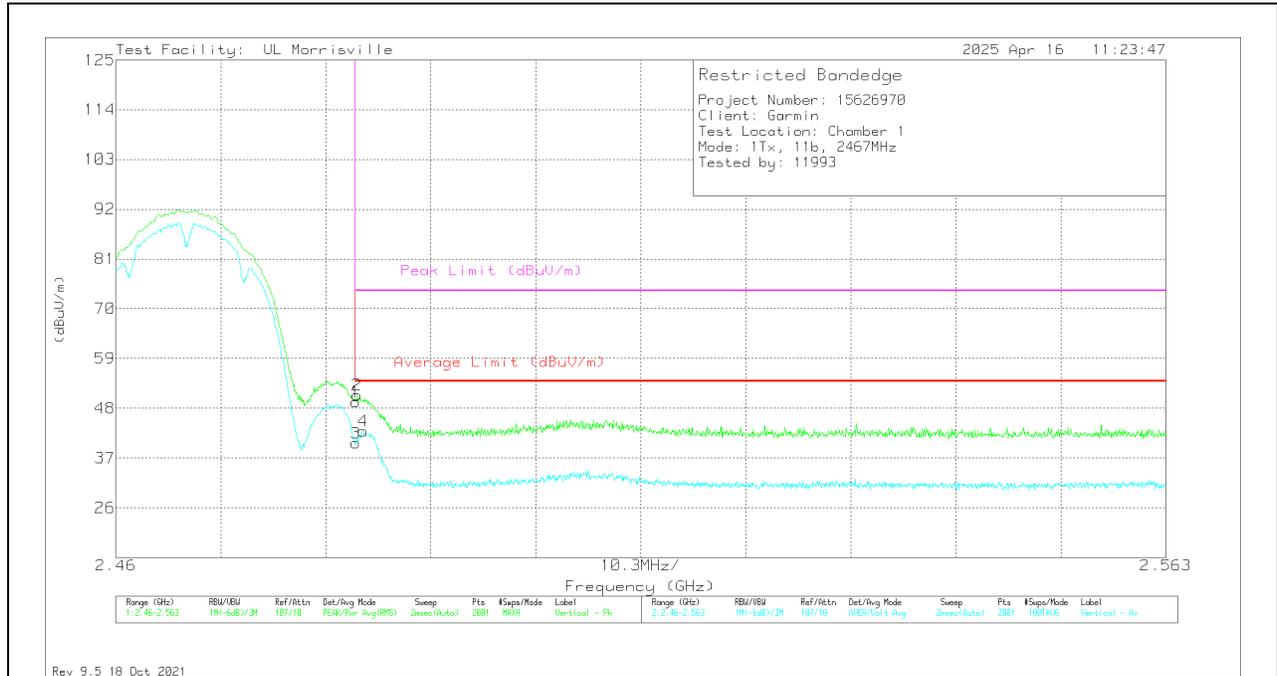
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	46	Pk	32.2	-23.7	54.5	-	-	74	-19.5	63	236	H
2	*** 2.48369	46.18	Pk	32.2	-23.7	54.68	-	-	74	-19.32	63	236	H
3	*** 2.48354	37.26	ADV	32.2	-23.7	45.76	54	-8.24	-	-	63	236	H
4	*** 2.48415	40.1	ADV	32.2	-23.8	48.5	54	-5.5	-	-	63	236	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

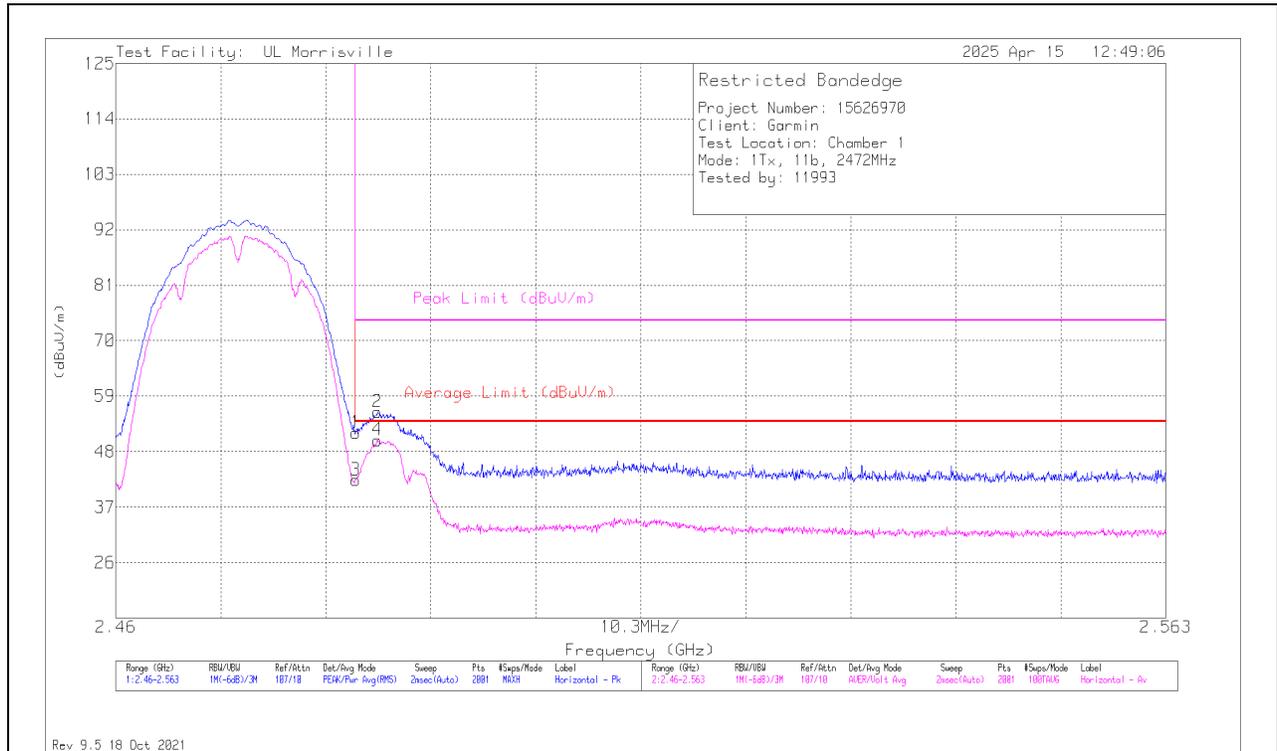


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	40.94	Pk	32.2	-23.7	49.44	-	-	74	-24.56	165	166	V
2	*** 2.48364	42.46	Pk	32.2	-23.7	50.96	-	-	74	-23.04	165	166	V
3	*** 2.48354	31.77	ADV	32.2	-23.7	40.27	54	-13.73	-	-	165	166	V
4	*** 2.48426	34.6	ADV	32.2	-23.8	43	54	-11	-	-	165	166	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, 2472 MHz)

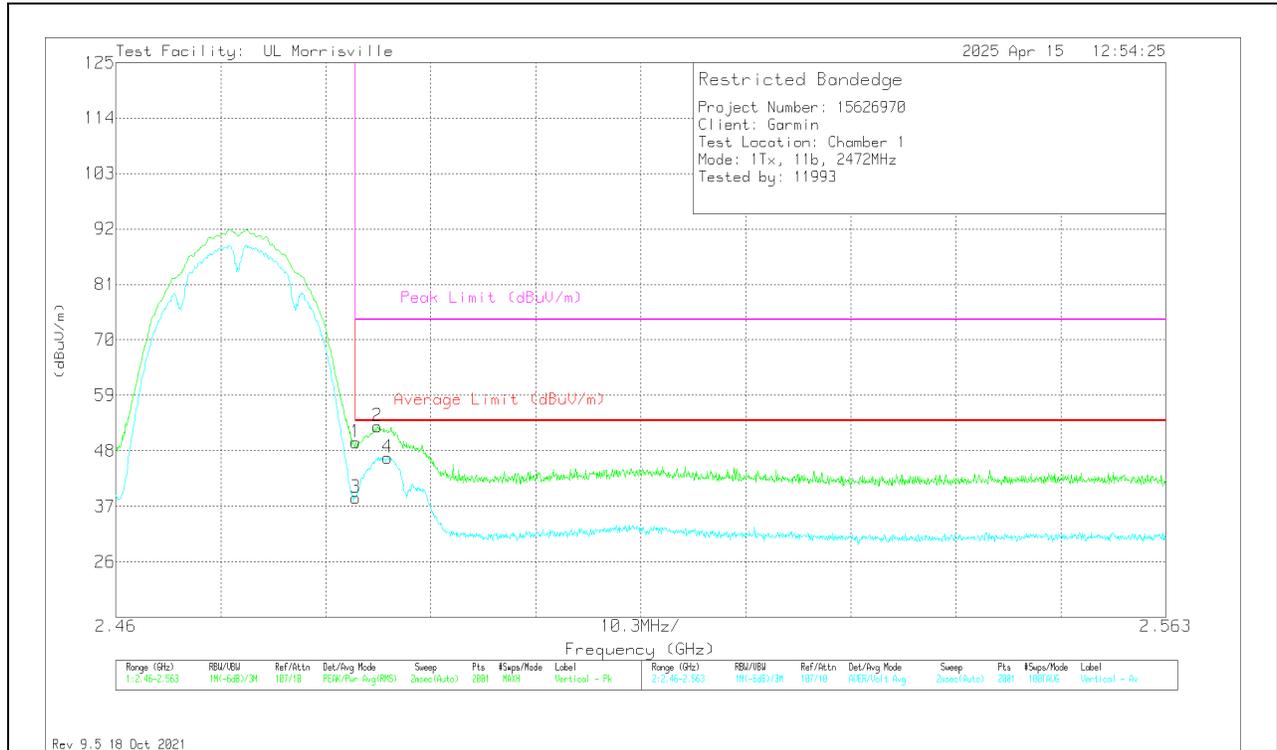
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	43.2	Pk	32.2	-23.7	51.7	-	-	74	-22.3	89	192	H
2	* ** 2.48565	47.52	Pk	32.2	-23.9	55.82	-	-	74	-18.18	89	192	H
3	* ** 2.48354	33.82	ADV	32.2	-23.7	42.32	54	-11.68	-	-	89	192	H
4	* ** 2.48565	41.92	ADV	32.2	-23.9	50.22	54	-3.78	-	-	89	192	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

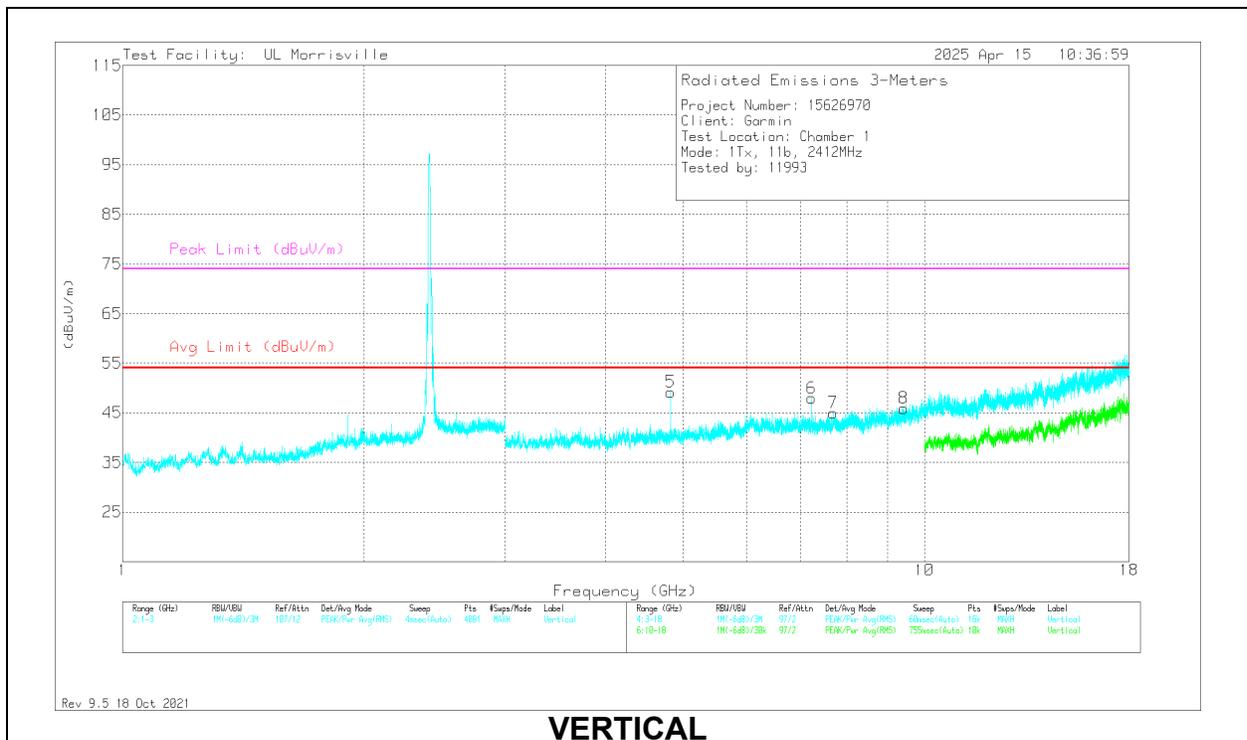
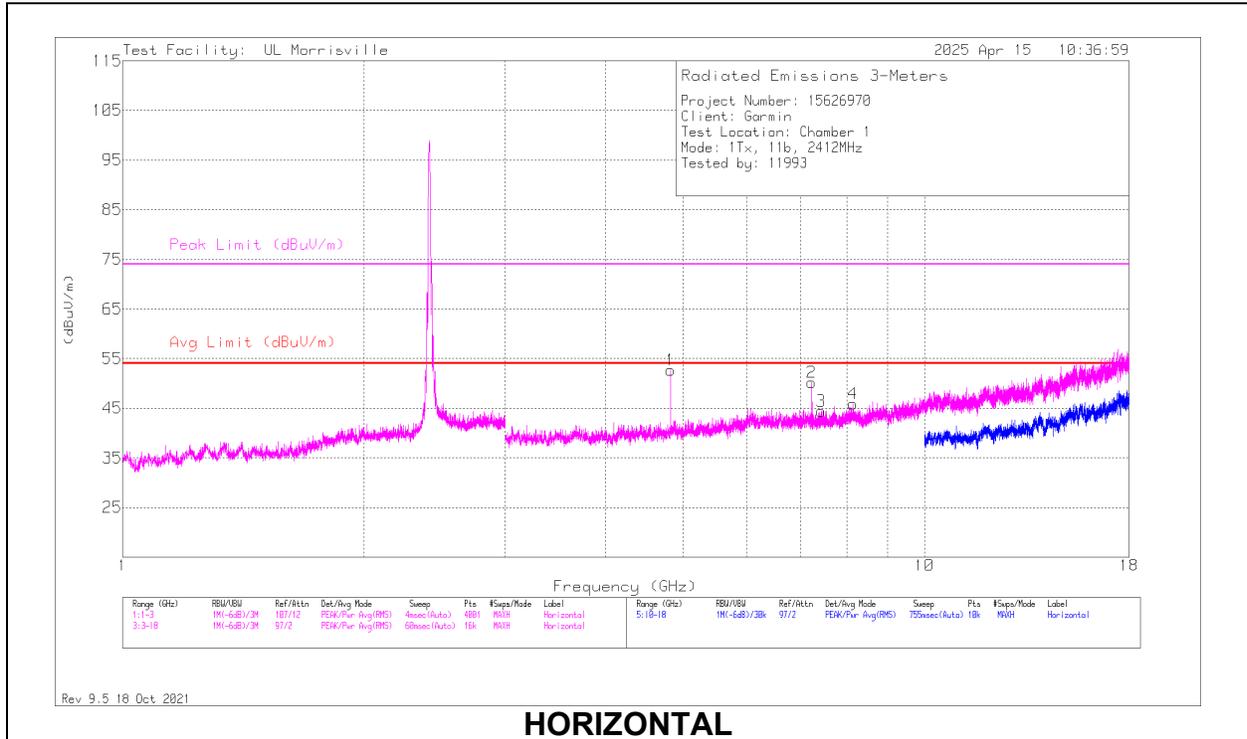


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	41.21	Pk	32.2	-23.7	49.71	-	-	74	-24.29	159	206	V
2	* ** 2.48565	44.51	Pk	32.2	-23.9	52.81	-	-	74	-21.19	159	206	V
3	* ** 2.48354	30.15	ADV	32.2	-23.7	38.65	54	-15.35	-	-	159	206	V
4	* ** 2.48668	38.4	ADV	32.2	-23.9	46.7	54	-7.3	-	-	159	206	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, 2412 MHz RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.82395	64.4	PK2	33.9	-45.3	53	-	-	74	-21	282	111	H
	* ** 4.82396	55.25	ADV	33.9	-45.3	43.85	54	-10.15	-	-	282	111	H
3	* ** 7.43719	49.98	Pk	35.4	-41	44.38	54	-9.62	74	-29.62	0-360	199	H
4	* ** 8.14031	50.83	Pk	35.9	-40.9	45.83	54	-8.17	74	-28.17	0-360	199	H
5	* ** 4.82402	63.7	PK2	33.9	-45.3	52.3	-	-	74	-21.7	183	146	V
	* ** 4.82395	54.24	ADV	33.9	-45.3	42.84	54	-11.16	-	-	183	146	V
7	* ** 7.69313	50.47	Pk	35.6	-41.1	44.97	54	-9.03	74	-29.03	0-360	101	V
8	* ** 9.41531	49.33	Pk	36.3	-39.7	45.93	54	-8.07	74	-28.07	0-360	101	V
6	7.23563	55.02	Pk	35.4	-42.5	47.92	-	-	-	-	0-360	101	V
2	7.2375	57.15	Pk	35.4	-42.4	50.15	-	-	-	-	0-360	199	H

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

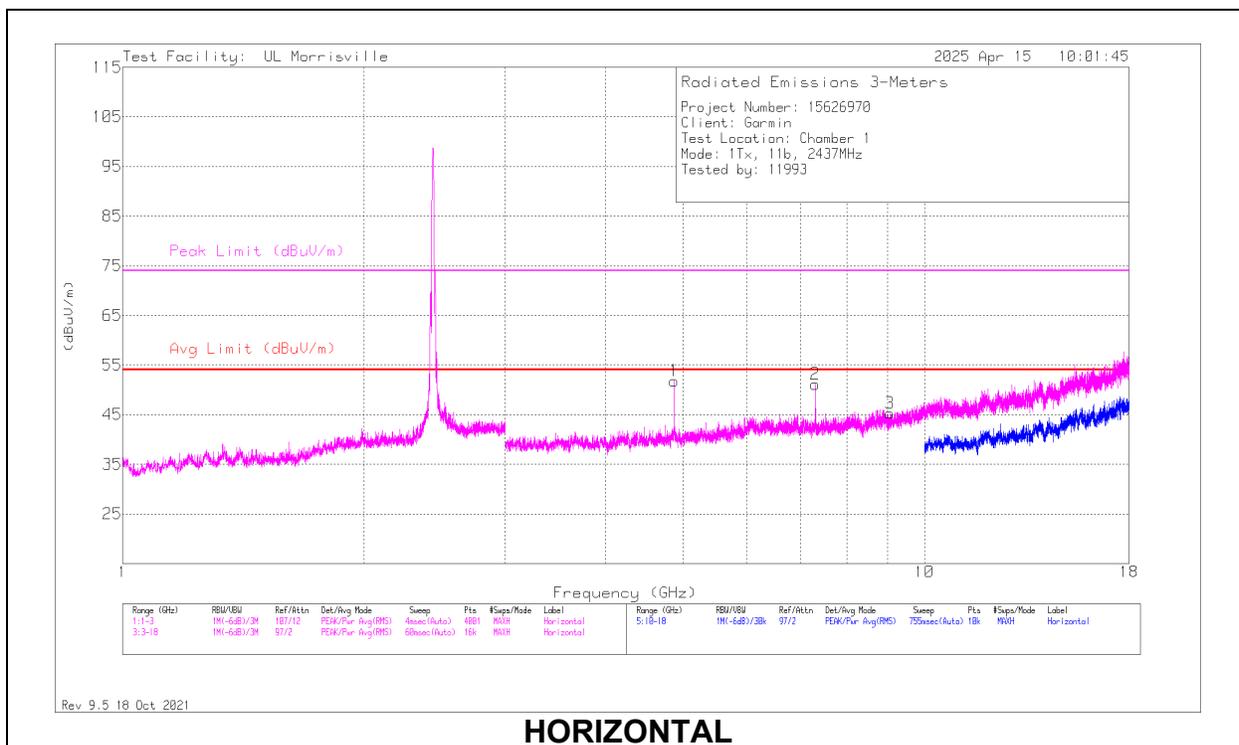
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

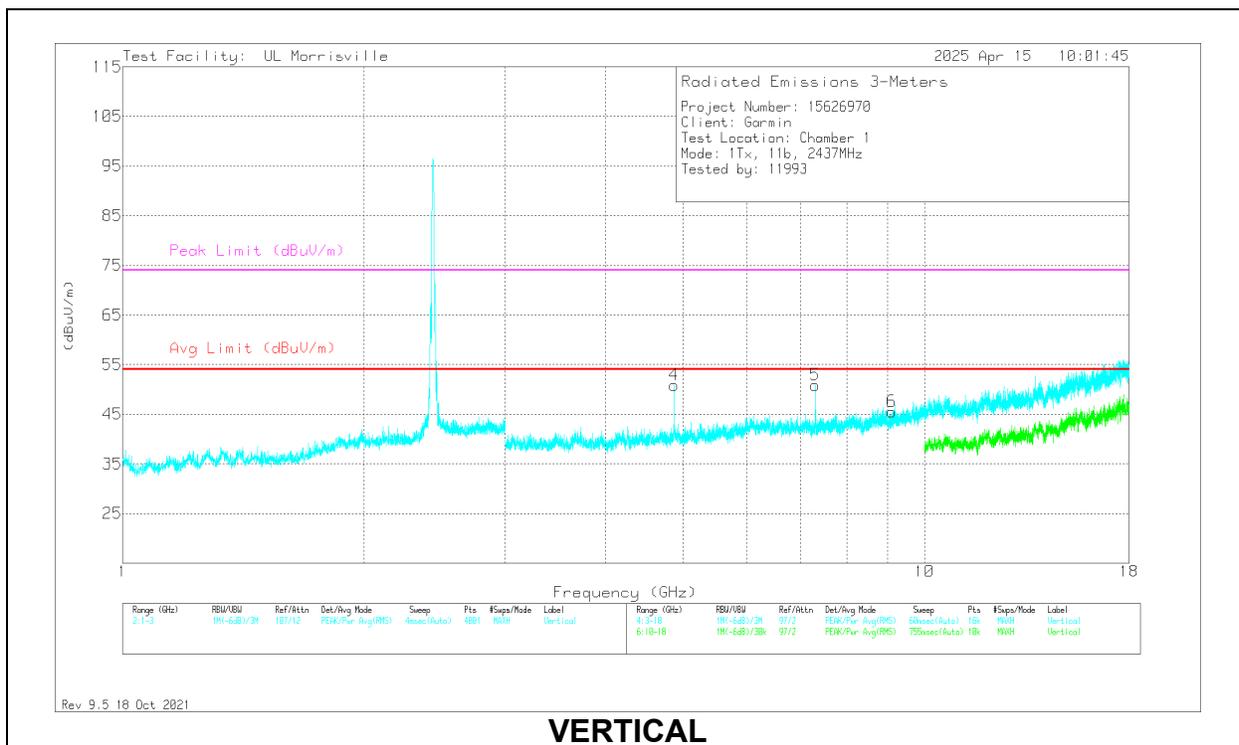
PK2 - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL, 2437 MHz RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.87409	65.07	PK2	34	-44.8	54.27	-	-	74	-19.73	277	113	H
	* ** 4.87397	56.18	ADV	34	-44.8	45.38	54	-8.62	-	-	277	113	H
2	* ** 7.31027	60.47	PK2	35.4	-41.7	54.17	-	-	74	-19.83	45	103	H
	* ** 7.31021	53.1	ADV	35.4	-41.7	46.8	54	-7.2	-	-	45	103	H
3	* ** 9.05813	49.69	Pk	35.8	-40.2	45.29	54	-8.71	74	-28.71	0-360	200	H
4	* ** 4.87399	64.84	PK2	34	-44.8	54.04	-	-	74	-19.96	178	109	V
	* ** 4.87397	55.44	ADV	34	-44.8	44.64	54	-9.36	-	-	178	109	V
5	* ** 7.31147	59.15	PK2	35.4	-41.7	52.85	-	-	74	-21.15	309	194	V
	* ** 7.31187	51.24	ADV	35.4	-41.7	44.94	54	-9.06	-	-	309	194	V
6	* ** 9.09844	49.83	Pk	35.9	-40.2	45.53	54	-8.47	74	-28.47	0-360	101	V

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

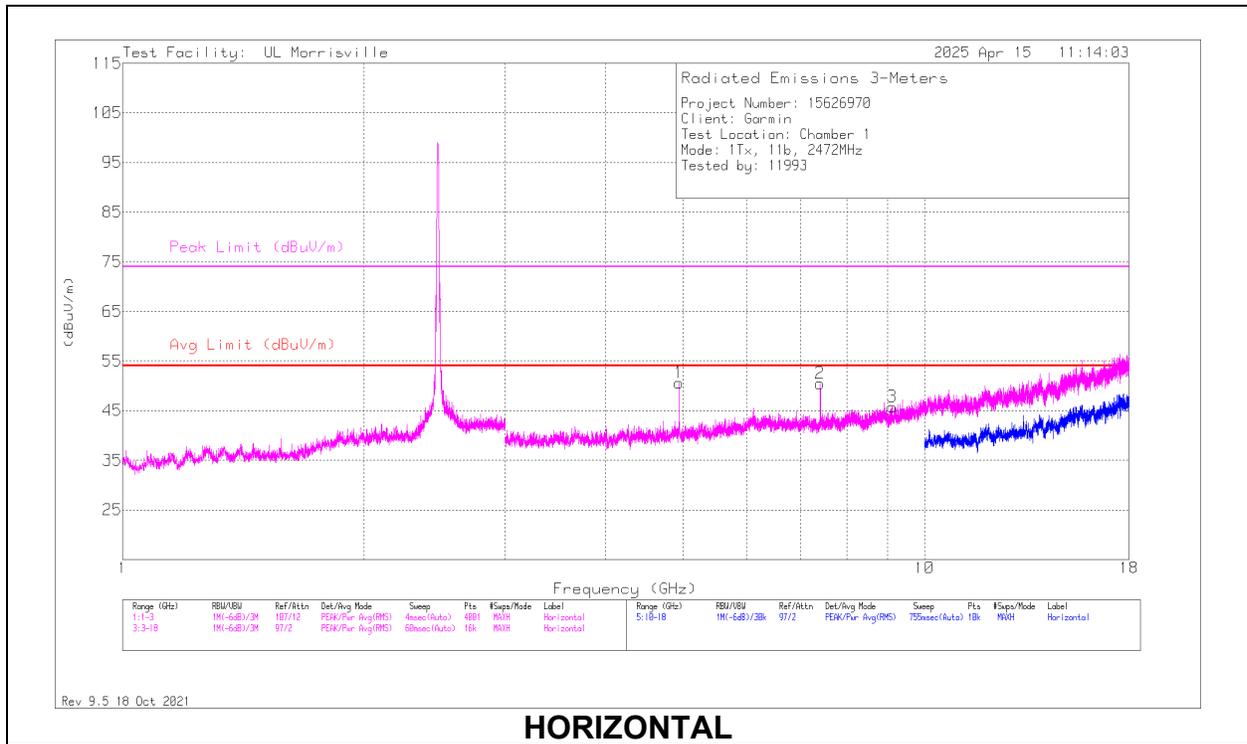
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

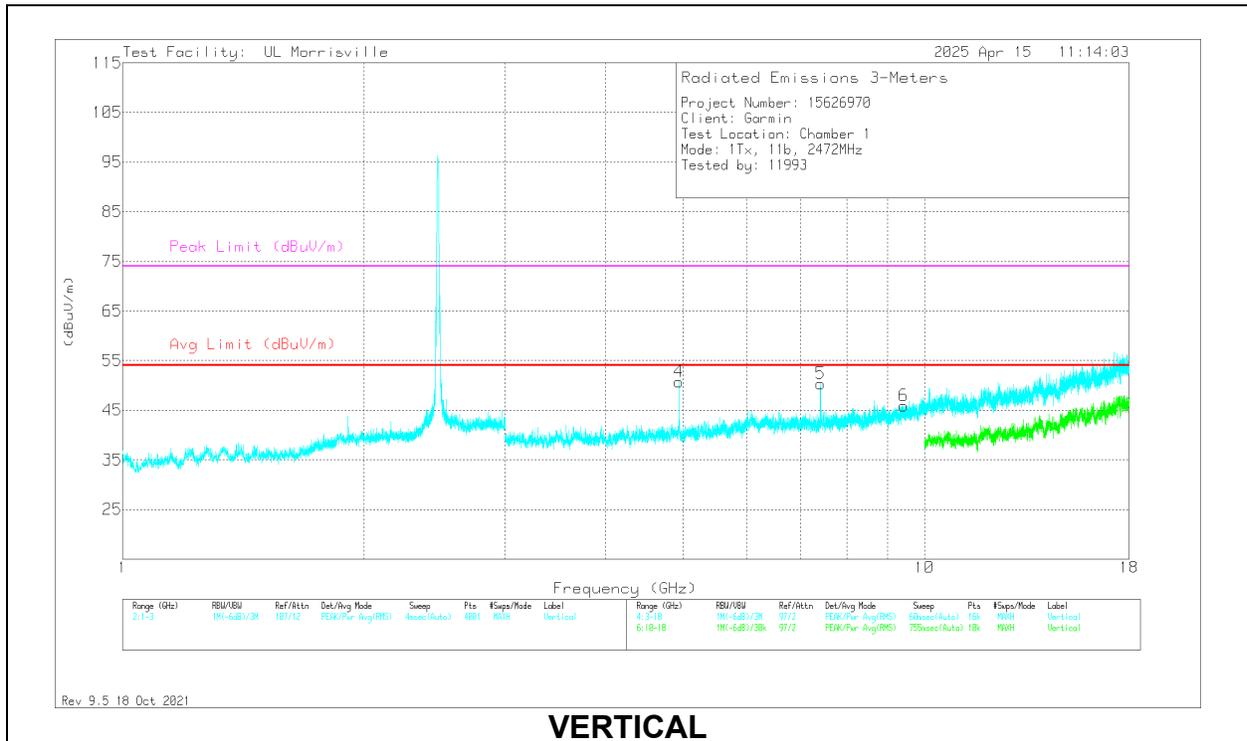
PK2 - KDB558074 Method: Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL, 2472 MHz RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

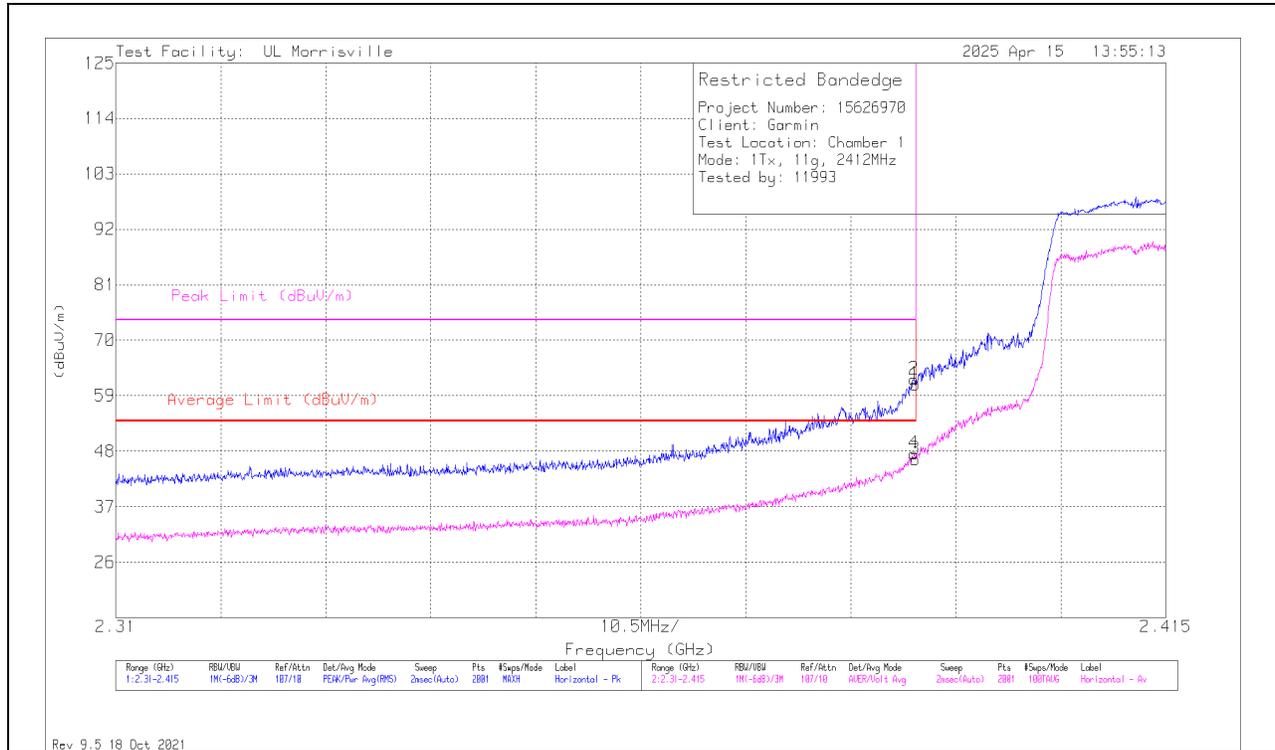
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.94417	63.5	PK2	34.1	-44.4	53.2	-	-	74	-20.8	98	197	H
	*** 4.94399	54.03	ADV	34.1	-44.4	43.73	54	-10.27	-	-	98	197	H
2	*** 7.41593	58.17	PK2	35.4	-41.2	52.37	-	-	74	-21.63	45	118	H
	*** 7.41511	50.83	ADV	35.4	-41.2	45.03	54	-8.97	-	-	45	118	H
3	*** 9.12188	50.19	Pk	35.9	-40.3	45.79	54	-8.21	74	-28.21	0-360	199	H
4	*** 4.94388	63.63	PK2	34.1	-44.4	53.33	-	-	74	-20.67	127	216	V
	*** 4.94399	54.37	ADV	34.1	-44.4	44.07	54	-9.93	-	-	127	216	V
5	*** 7.41496	57.51	PK2	35.4	-41.2	51.71	-	-	74	-22.29	168	121	V
	*** 7.41482	50.36	ADV	35.4	-41.2	44.56	54	-9.44	-	-	168	121	V
6	*** 9.41531	49.24	Pk	36.3	-39.7	45.84	54	-8.16	74	-28.16	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 PK2 - KDB558074 Method: Maximum Peak
 ADV - Linear Voltage Average

10.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

BANDEDGE (LOW CHANNEL, 2412 MHz)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	53.32	Pk	31.9	-24	61.22	-	-	74	-12.78	266	109	H
2	*** 2.3898	54.38	Pk	31.9	-24	62.28	-	-	74	-11.72	266	109	H
3	*** 2.38996	38.51	ADV	31.9	-24	46.41	54	-7.59	-	-	266	109	H
4	*** 2.3898	39.65	ADV	31.9	-24	47.55	54	-6.45	-	-	266	109	H

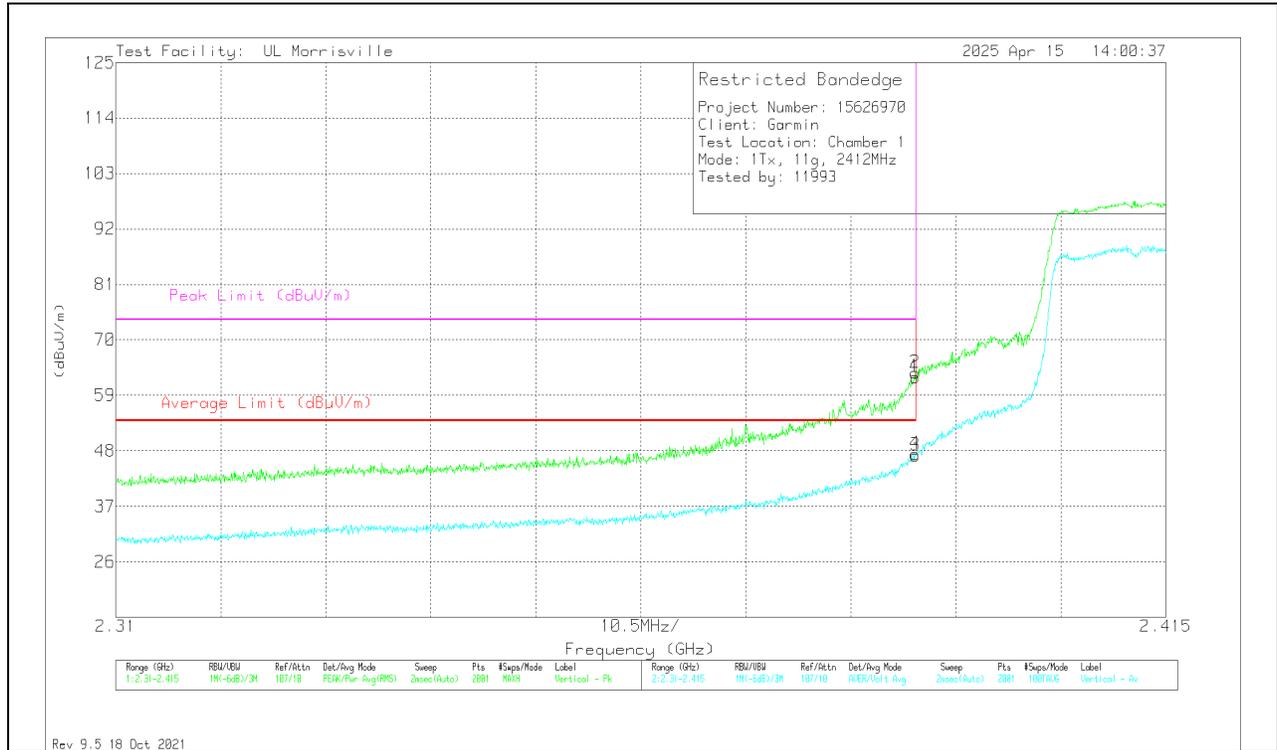
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

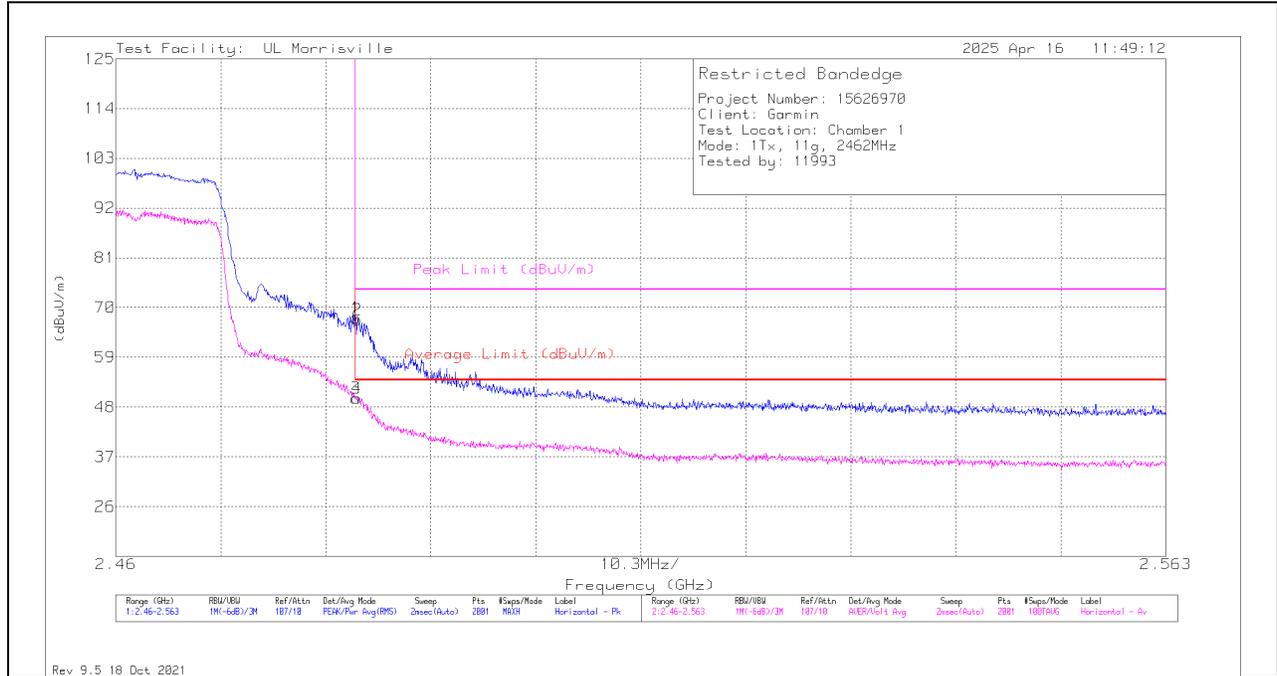


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	54.68	Pk	31.9	-24	62.58	-	-	74	-11.42	147	247	V
2	* ** 2.38991	55.62	Pk	31.9	-24	63.52	-	-	74	-10.48	147	247	V
3	* ** 2.38996	39.13	ADV	31.9	-24	47.03	54	-6.97	-	-	147	247	V
4	* ** 2.38991	39.43	ADV	31.9	-24	47.33	54	-6.67	-	-	147	247	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, 2462 MHz)

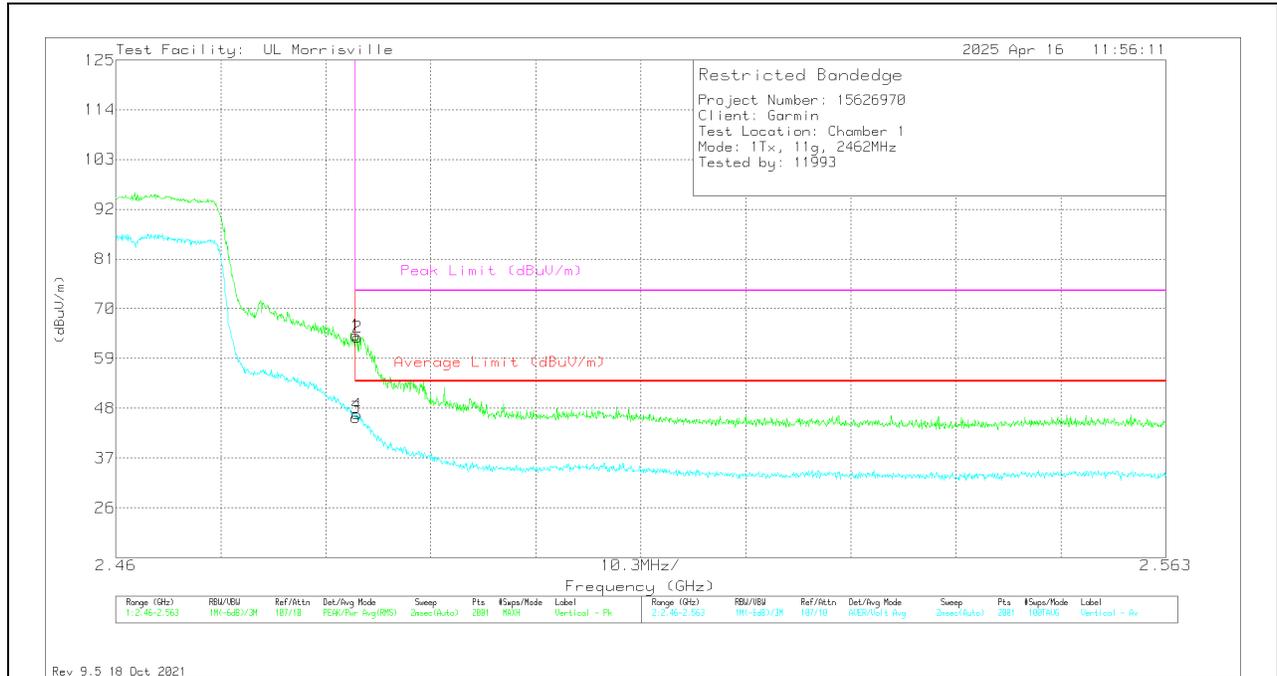
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	59.27	Pk	32.2	-23.7	67.77	-	-	74	-6.23	67	216	H
2	*** 2.48369	58.77	Pk	32.2	-23.7	67.27	-	-	74	-6.73	67	216	H
3	*** 2.48354	41.5	ADV	32.2	-23.7	50	54	-4	-	-	67	216	H
4	*** 2.48364	41.41	ADV	32.2	-23.7	49.91	54	-4.09	-	-	67	216	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

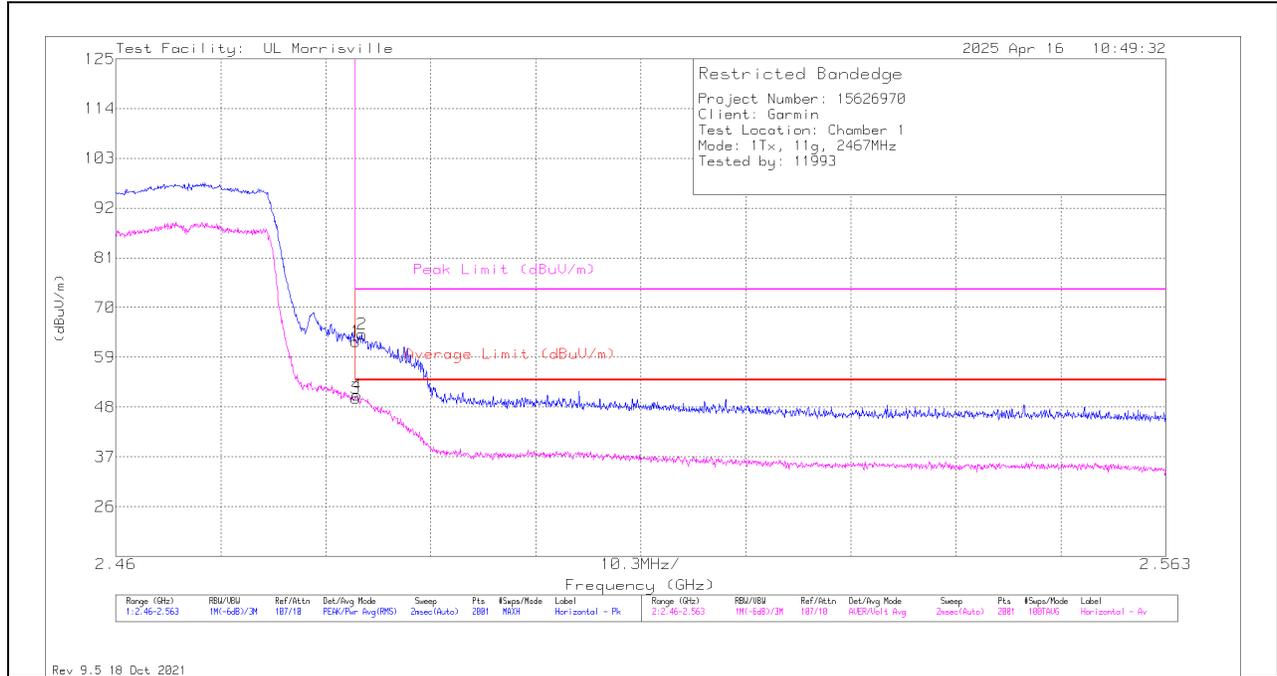


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	55.66	Pk	32.2	-23.7	64.16	-	-	74	-9.84	168	118	V
2	*** 2.48374	55.26	Pk	32.2	-23.7	63.76	-	-	74	-10.24	168	118	V
3	*** 2.48354	37.47	ADV	32.2	-23.7	45.97	54	-8.03	-	-	168	118	V
4	*** 2.48364	38.22	ADV	32.2	-23.7	46.72	54	-7.28	-	-	168	118	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, 2467 MHz)

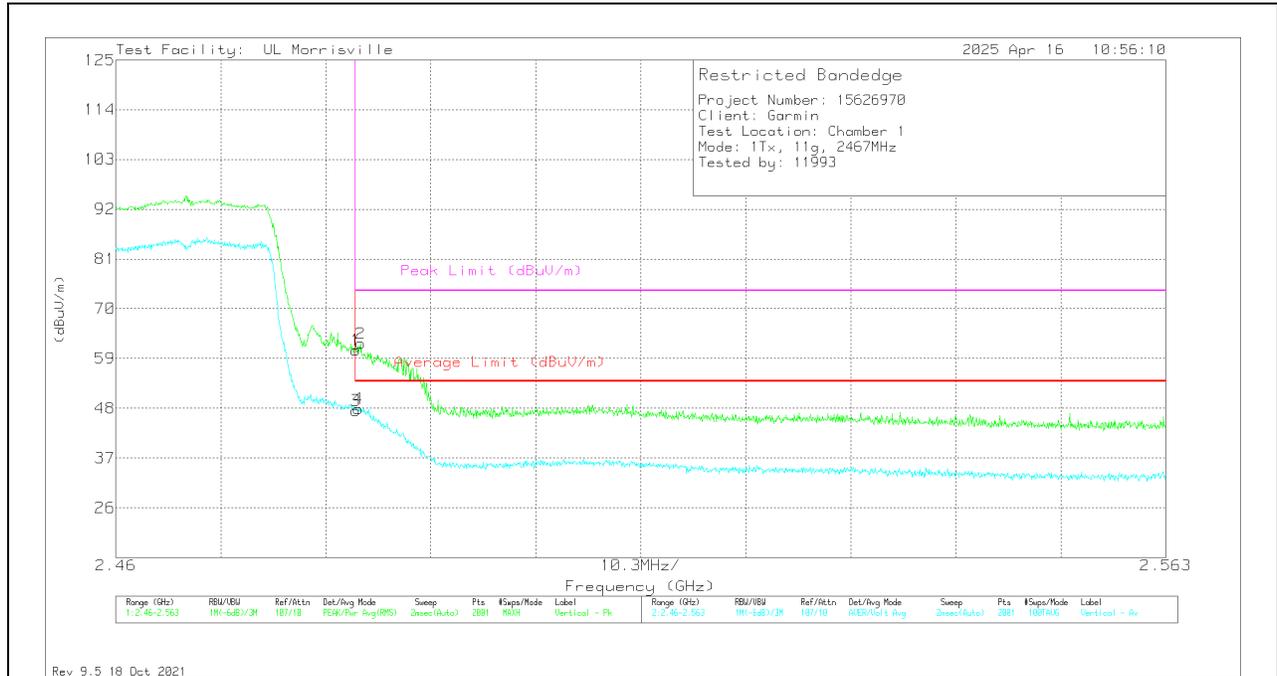
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	54.04	Pk	32.2	-23.7	62.54	-	-	74	-11.46	76	245	H
2	* ** 2.48415	55.78	Pk	32.2	-23.8	64.18	-	-	74	-9.82	76	245	H
3	* ** 2.48354	41.48	ADV	32.2	-23.7	49.98	54	-4.02	-	-	76	245	H
4	* ** 2.48364	42.18	ADV	32.2	-23.7	50.68	54	-3.32	-	-	76	245	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

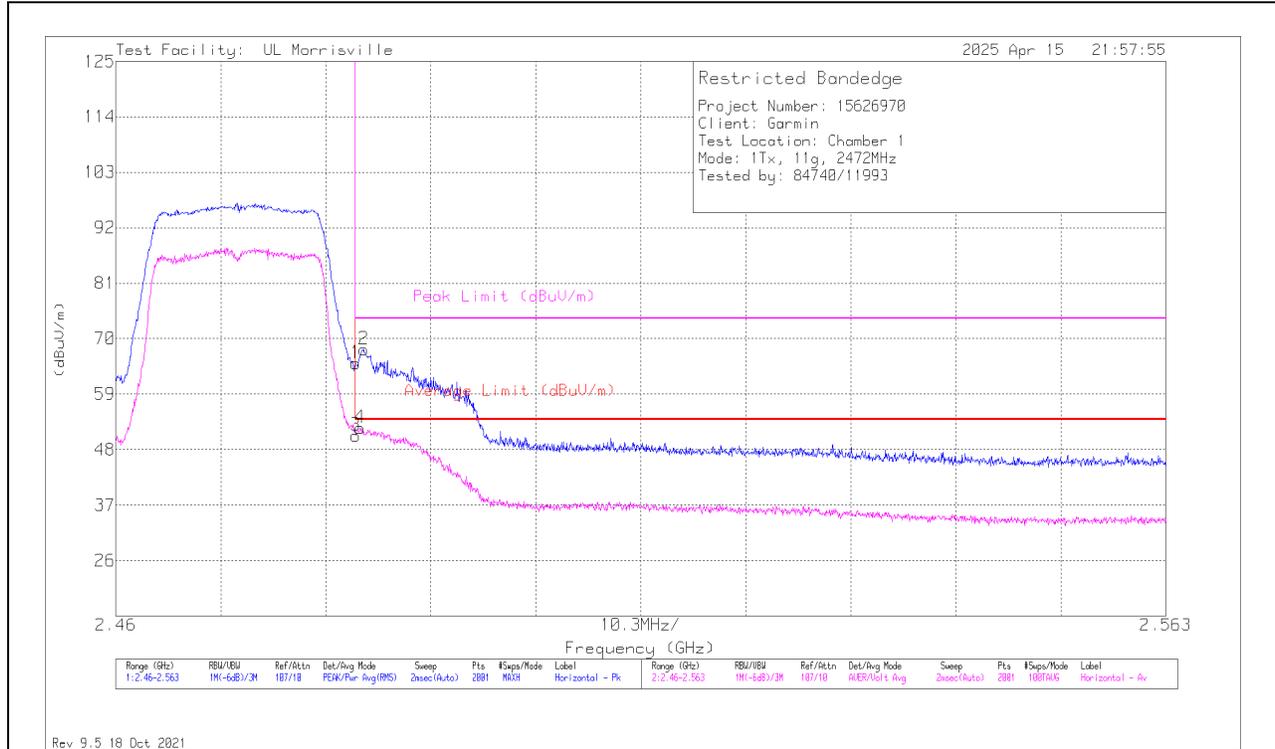


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	52.39	Pk	32.2	-23.7	60.89	-	-	74	-13.11	170	159	V
2	*** 2.48405	53.9	Pk	32.2	-23.8	62.3	-	-	74	-11.7	170	159	V
3	*** 2.48354	39.01	ADV	32.2	-23.7	47.51	54	-6.49	-	-	170	159	V
4	*** 2.48379	39.39	ADV	32.2	-23.7	47.89	54	-6.11	-	-	170	159	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, 2472 MHz)

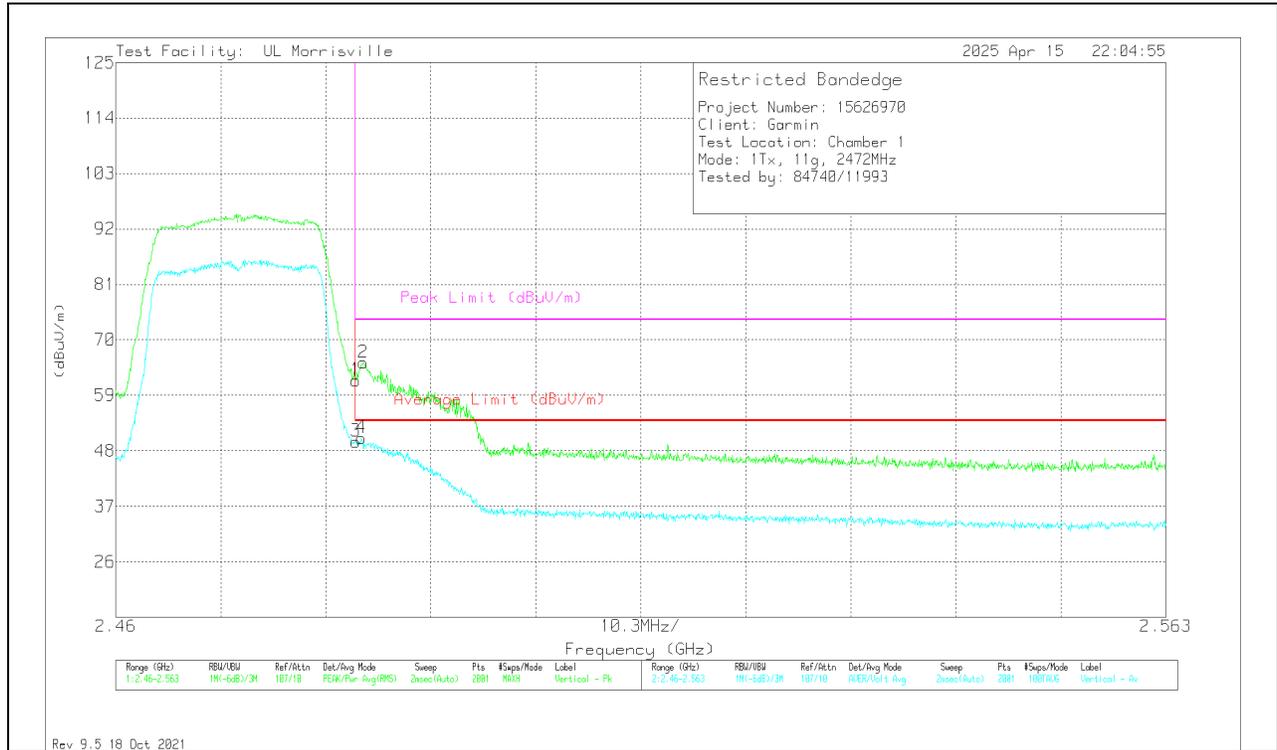
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	56.6	Pk	32.2	-23.7	65.1	-	-	74	-8.9	233	222	H
2	* ** 2.48431	59.48	Pk	32.2	-23.8	67.88	-	-	74	-6.12	233	222	H
3	* ** 2.48354	42.32	ADV	32.2	-23.7	50.82	54	-3.18	-	-	233	222	H
4	* ** 2.48395	43.86	ADV	32.2	-23.7	52.36	54	-1.64	-	-	233	222	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

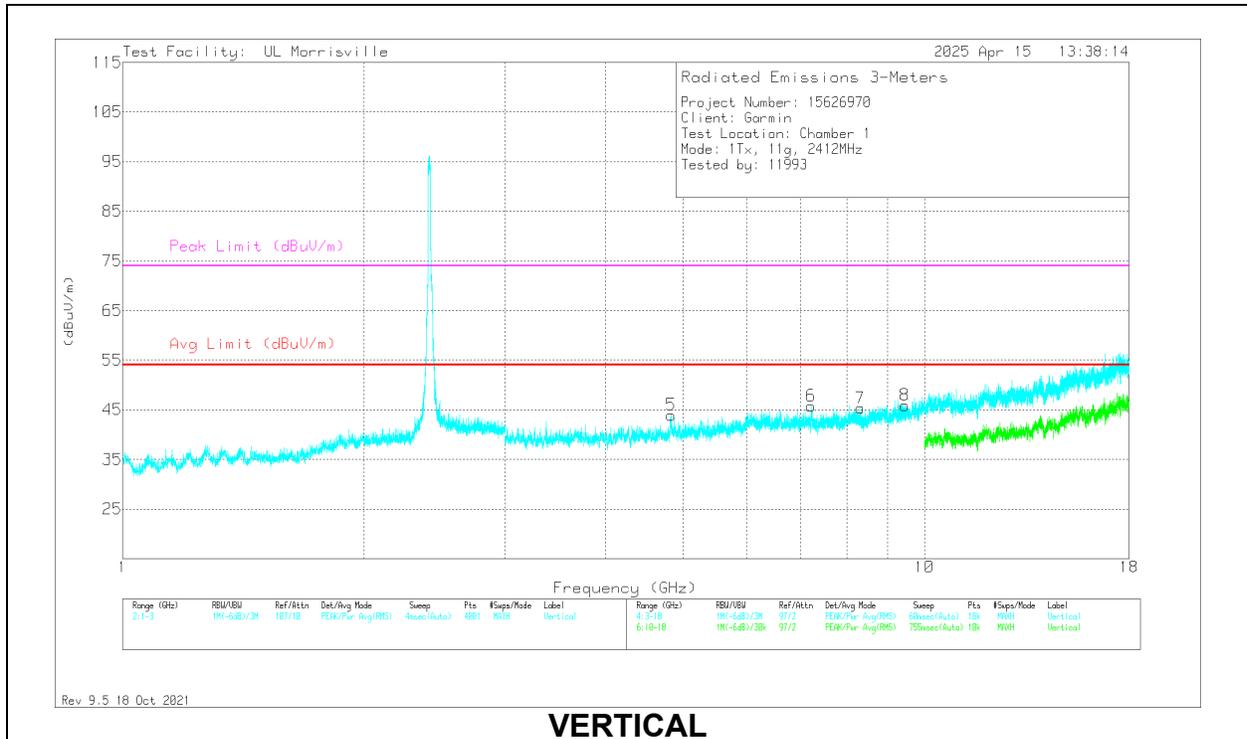
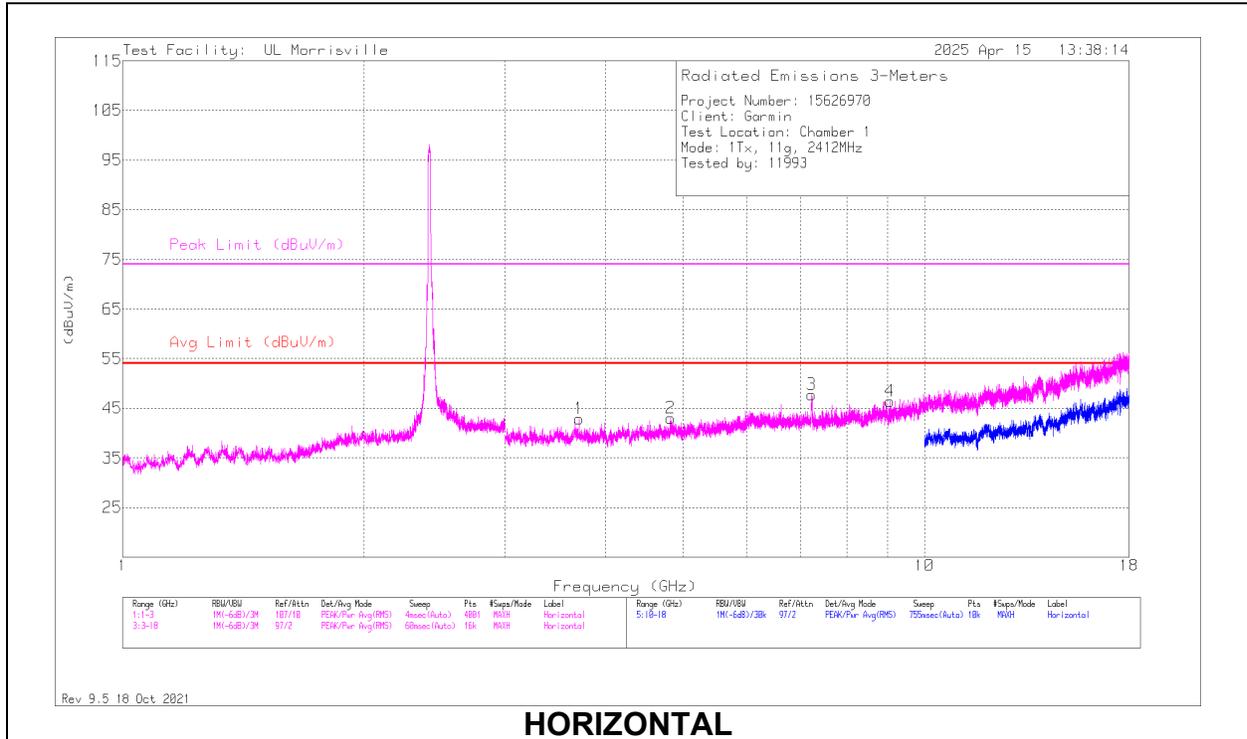


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	53.39	Pk	32.2	-23.7	61.89	-	-	74	-12.11	321	241	V
2	*** 2.48426	57.06	Pk	32.2	-23.8	65.46	-	-	74	-8.54	321	241	V
3	*** 2.48354	41.29	ADV	32.2	-23.7	49.79	54	-4.21	-	-	321	241	V
4	*** 2.4841	42.17	ADV	32.2	-23.8	50.57	54	-3.43	-	-	321	241	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, 2412 MHz RESULTS



RADIATED EMISSIONS

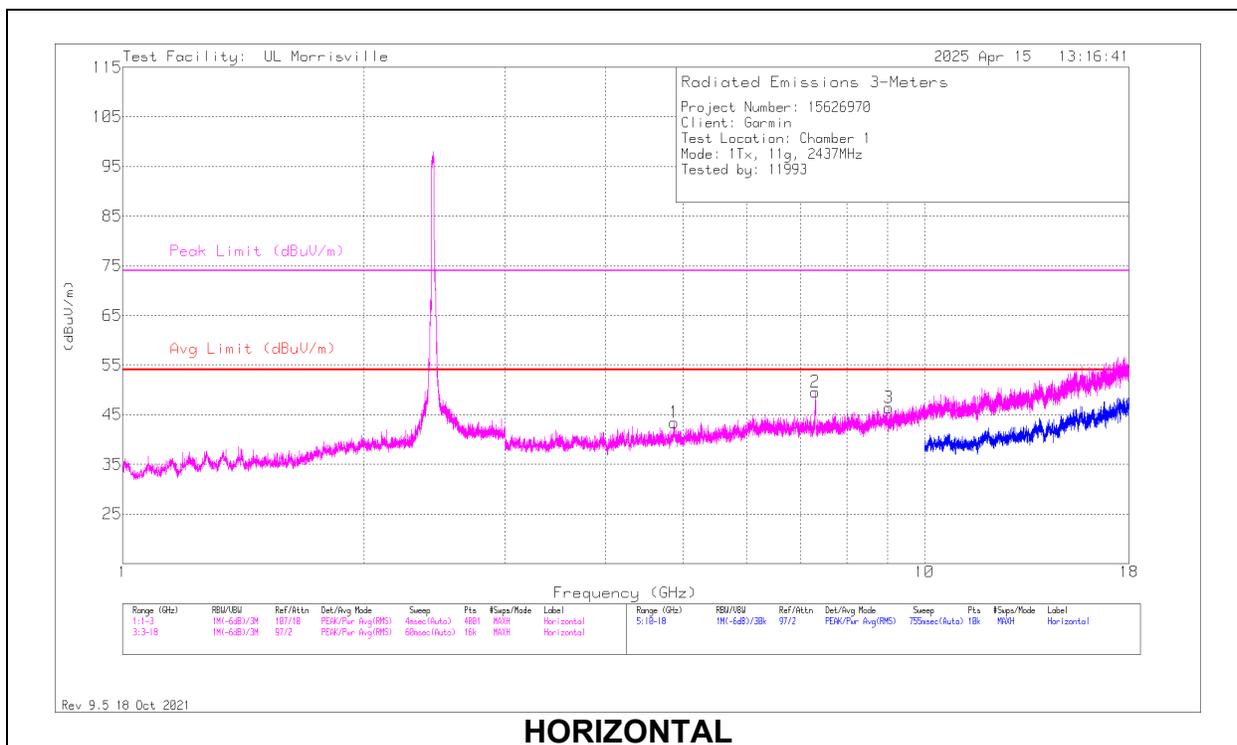
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 3.70969	53.93	Pk	33.2	-44.3	42.83	54	-11.17	74	-31.17	0-360	101	H
2	*** 4.82531	54.45	Pk	33.9	-45.3	43.05	54	-10.95	74	-30.95	0-360	101	H
4	*** 9.05813	50.81	Pk	35.8	-40.2	46.41	54	-7.59	74	-27.59	0-360	200	H
5	*** 4.83375	55.21	Pk	33.9	-45.2	43.91	54	-10.09	74	-30.09	0-360	101	V
7	*** 8.32031	50.4	Pk	35.8	-40.9	45.3	54	-8.7	74	-28.7	0-360	101	V
8	*** 9.45844	50.33	Pk	36.4	-40.8	45.93	54	-8.07	74	-28.07	0-360	101	V
6	7.22625	52.36	Pk	35.4	-42	45.76	-	-	-	-	0-360	200	V
3	7.2375	54.7	Pk	35.4	-42.4	47.7	-	-	-	-	0-360	101	H

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

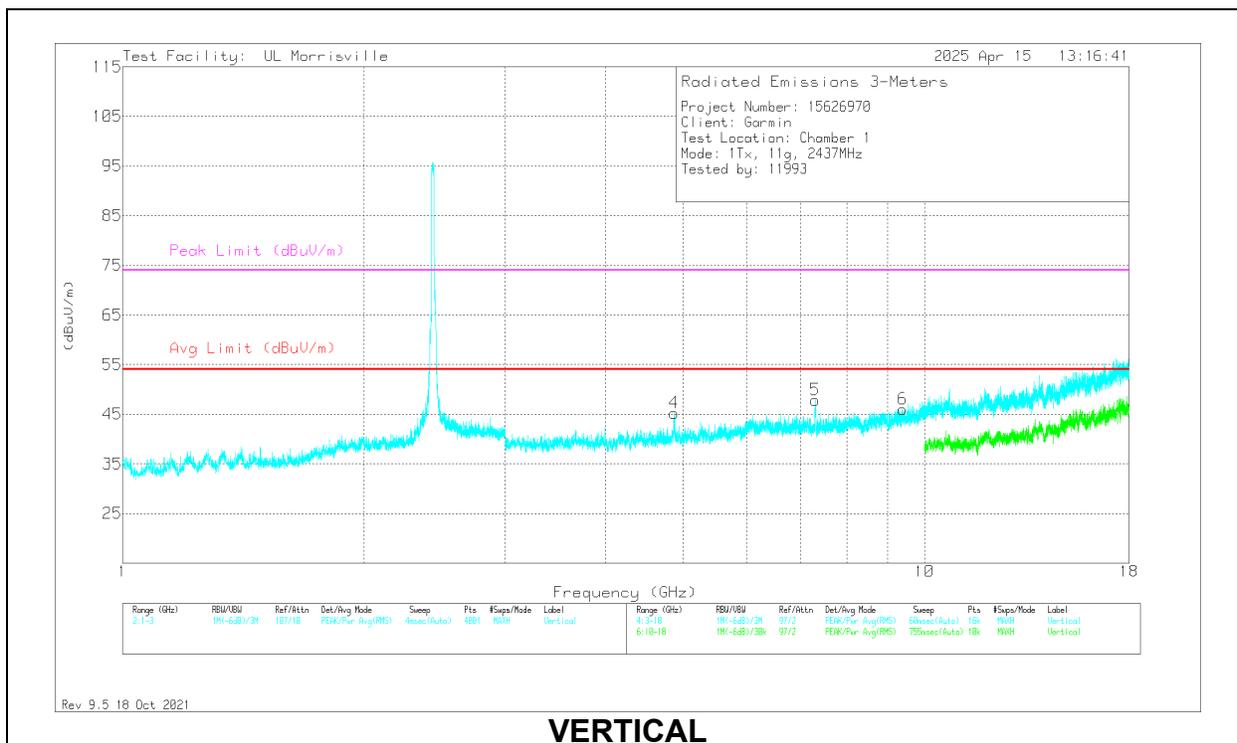
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL, 2437 MHz RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

TY	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.87031	54.25	Pk	34	-44.9	43.35	54	-10.65	74	-30.65	0-360	101	H
2	* ** 7.31429	60.01	PK2	35.4	-41.6	53.81	-	-	74	-20.19	45	104	H
	* ** 7.31332	45.39	ADV	35.4	-41.6	39.19	54	-14.81	-	-	45	104	H
3	* ** 9.03188	50.01	Pk	35.8	-39.4	46.41	54	-7.59	74	-27.59	0-360	199	H
4	* ** 4.87594	55.99	Pk	34	-44.8	45.19	54	-8.81	74	-28.81	0-360	101	V
5	* ** 7.31156	54.2	Pk	35.4	-41.7	47.9	54	-6.1	74	-26.1	0-360	200	V
6	* ** 9.39844	50.01	Pk	36.3	-40.3	46.01	54	-7.99	74	-27.99	0-360	101	V

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

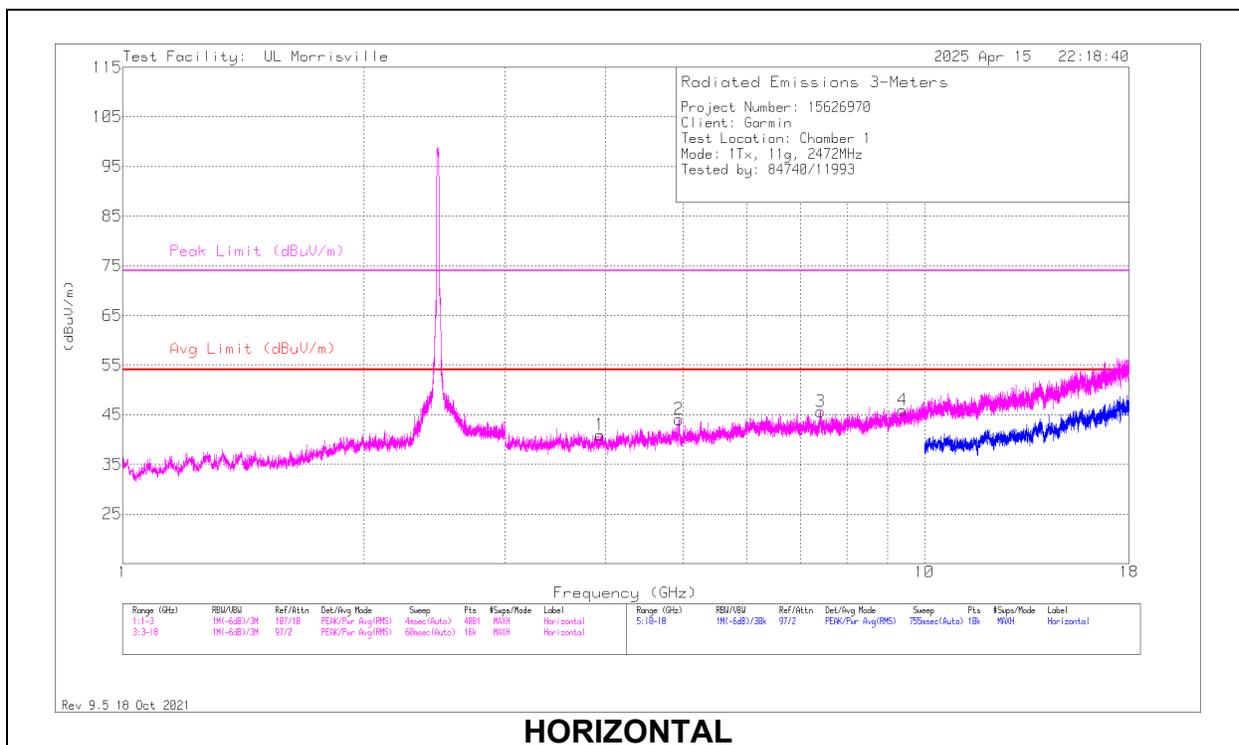
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

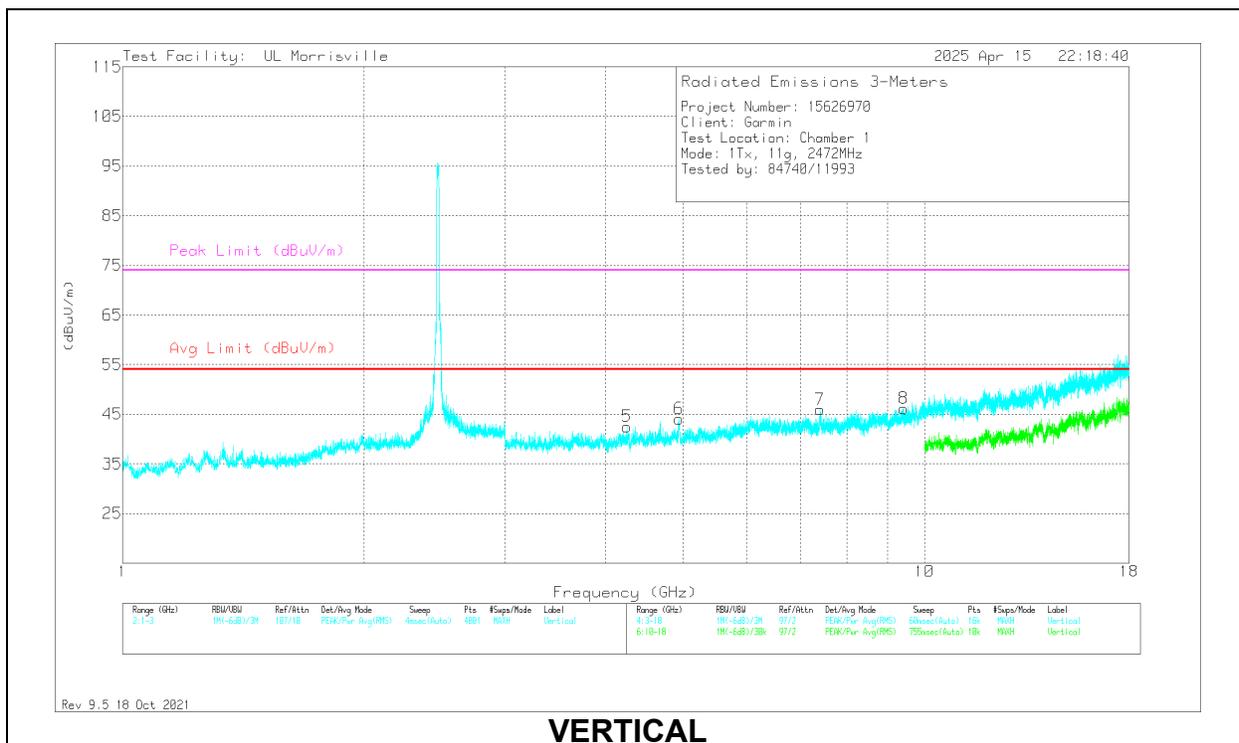
PK2 - KDB558074 Method: Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL, 2472 MHz RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.93844	52.68	Pk	32.9	-44.7	40.88	54	-13.12	74	-33.12	0-360	101	H
2	* ** 4.94156	54.26	Pk	34.1	-44.3	44.06	54	-9.94	74	-29.94	0-360	101	H
3	* ** 7.42031	51.41	Pk	35.4	-41.2	45.61	54	-8.39	74	-28.39	0-360	101	H
4	* ** 9.39375	49.62	Pk	36.3	-40	45.92	54	-8.08	74	-28.08	0-360	101	H
5	* ** 4.25625	53.57	Pk	33.7	-44.8	42.47	54	-11.53	74	-31.53	0-360	200	V
6	* ** 4.9425	54.27	Pk	34.1	-44.3	44.07	54	-9.93	74	-29.93	0-360	200	V
7	* ** 7.41281	51.75	Pk	35.4	-41.2	45.95	54	-8.05	74	-28.05	0-360	200	V
8	* ** 9.42563	50.21	Pk	36.3	-40.4	46.11	54	-7.89	74	-27.89	0-360	200	V

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

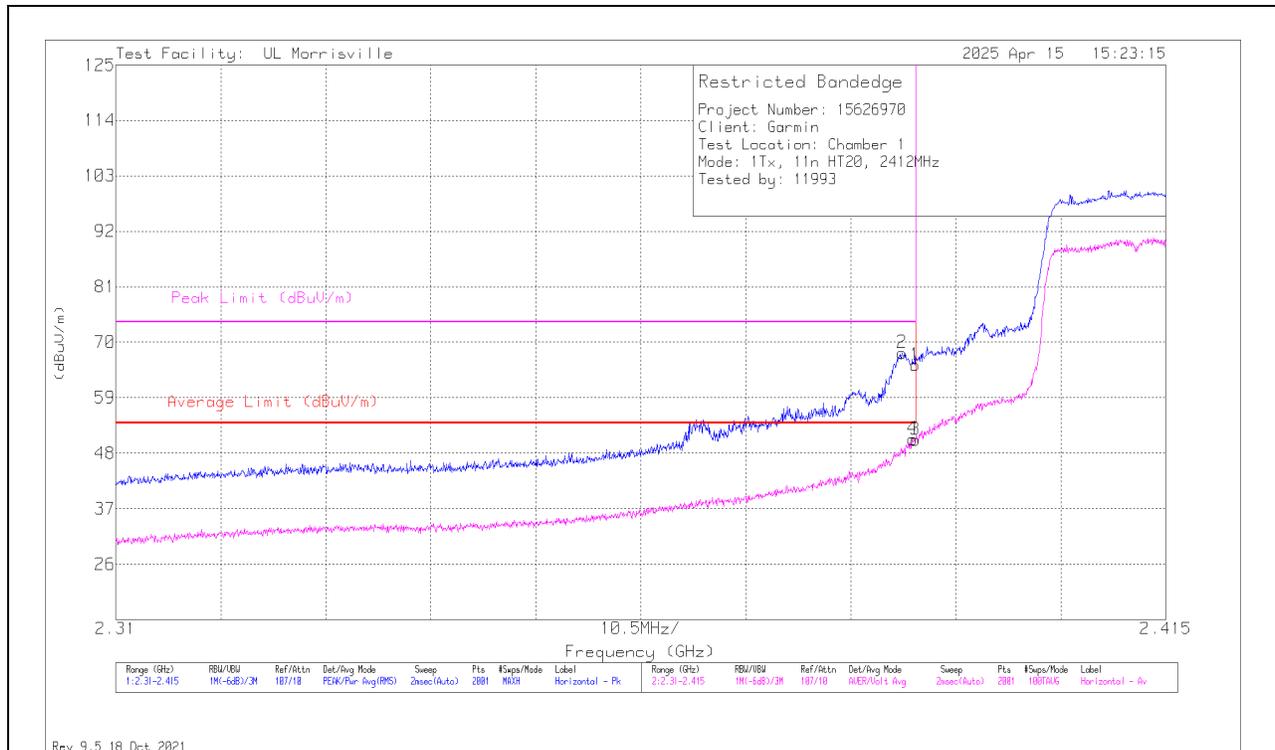
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

BANDEDGE (LOW CHANNEL, 2412 MHz)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	57.56	Pk	31.9	-24	65.46	-	-	74	-8.54	332	113	H
2	*** 2.38859	59.98	Pk	31.9	-24	67.88	-	-	74	-6.12	332	113	H
3	*** 2.38996	42.76	ADV	31.9	-24	50.66	54	-3.34	-	-	332	113	H
4	*** 2.3897	42.91	ADV	31.9	-24	50.81	54	-3.19	-	-	332	113	H

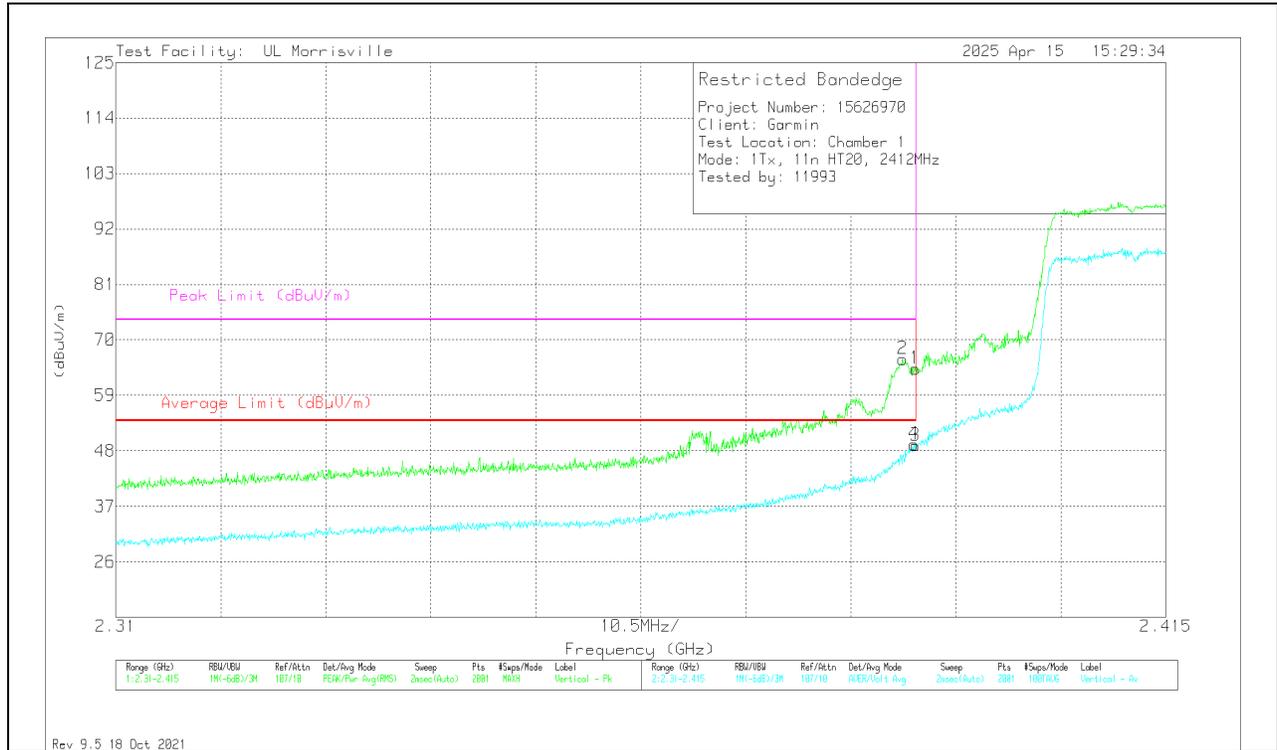
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

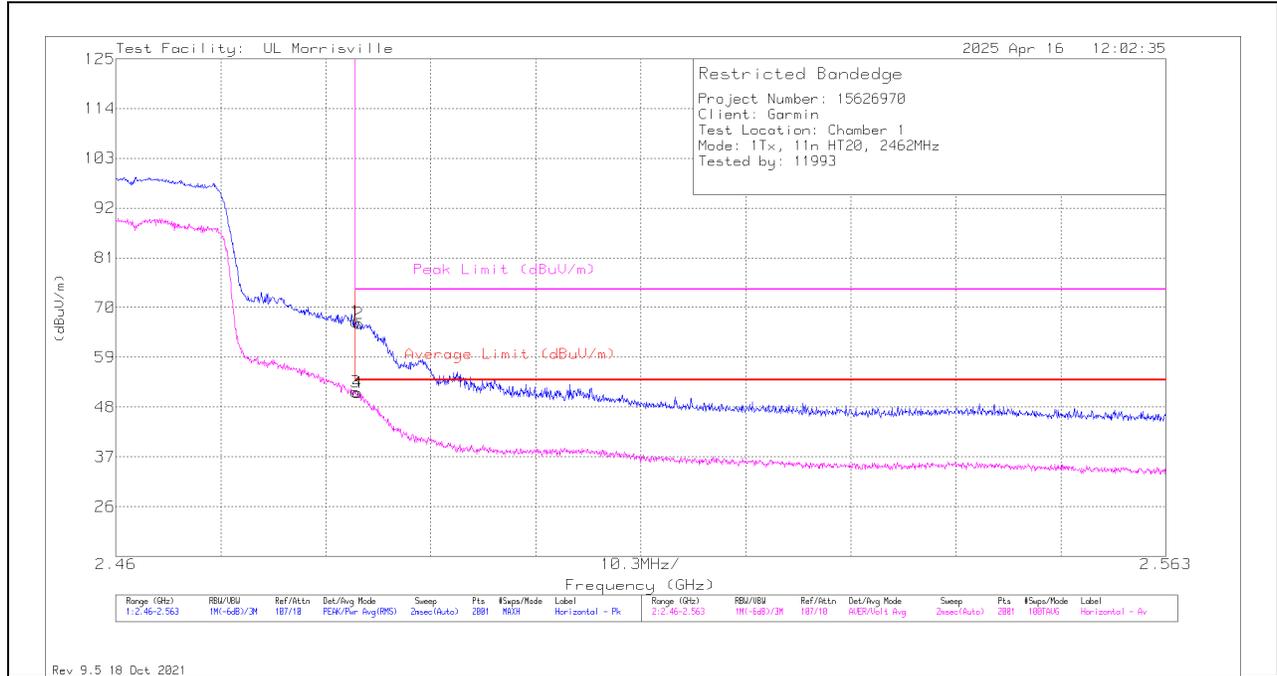


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	56.36	Pk	31.9	-24	64.26	-	-	74	-9.74	343	106	V
2	*** 2.3887	58.27	Pk	31.9	-24	66.17	-	-	74	-7.83	343	106	V
3	*** 2.38996	41.16	ADV	31.9	-24	49.06	54	-4.94	-	-	343	106	V
4	*** 2.3898	41.38	ADV	31.9	-24	49.28	54	-4.72	-	-	343	106	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, 2462 MHz)

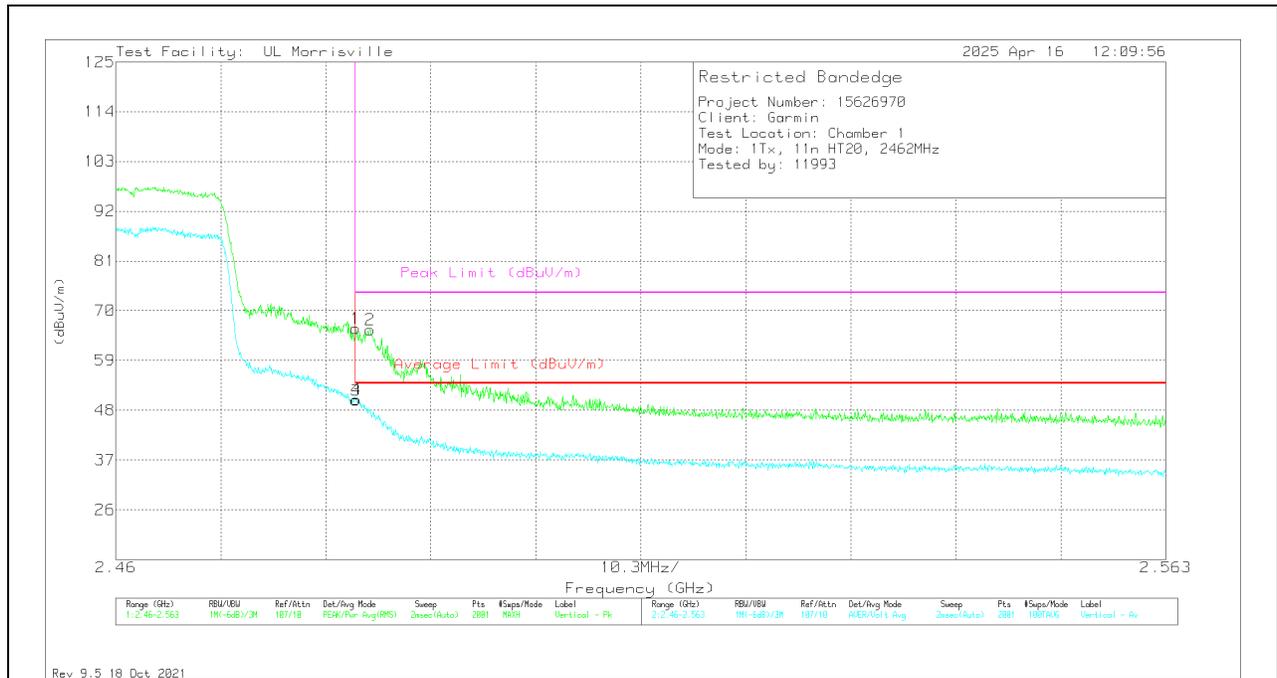
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	58.45	Pk	32.2	-23.7	66.95	-	-	74	-7.05	285	110	H
2	* ** 2.48384	57.95	Pk	32.2	-23.7	66.45	-	-	74	-7.55	285	110	H
3	* ** 2.48354	42.82	ADV	32.2	-23.7	51.32	54	-2.68	-	-	285	110	H
4	* ** 2.48374	42.68	ADV	32.2	-23.7	51.18	54	-2.82	-	-	285	110	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

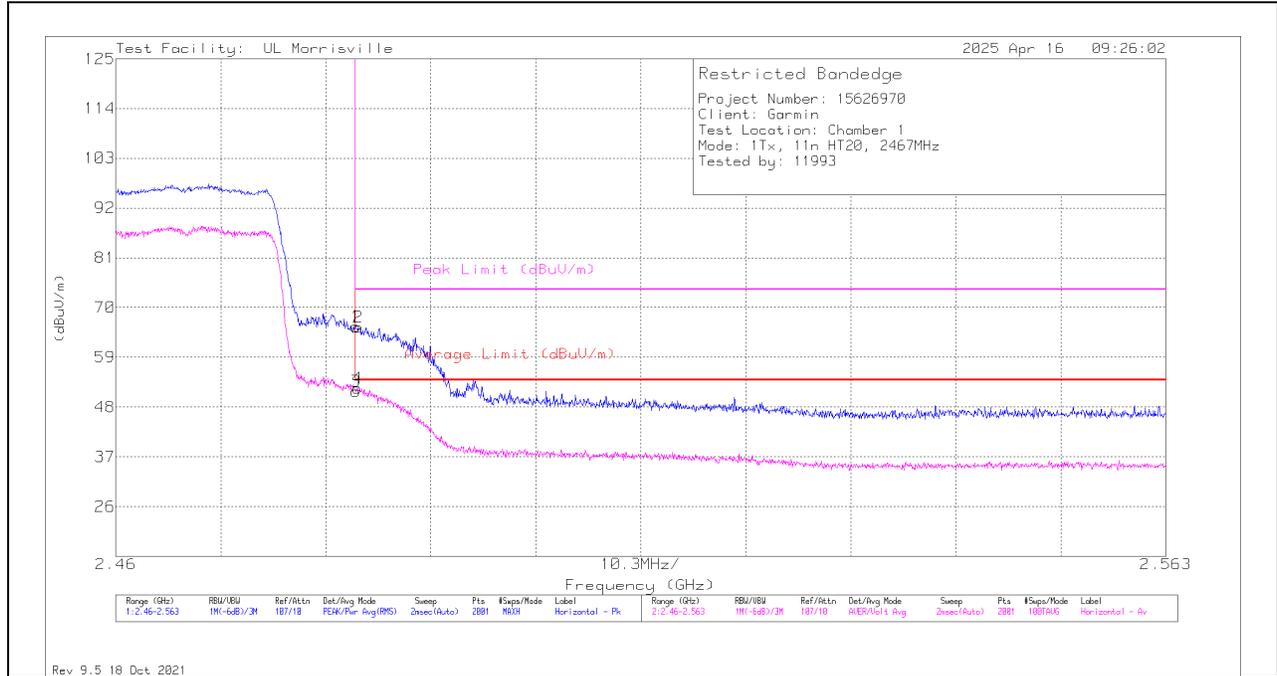


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	57.63	Pk	32.2	-23.7	66.13	-	-	74	-7.87	5	104	V
2	*** 2.48493	57.41	Pk	32.2	-23.8	65.81	-	-	74	-8.19	5	104	V
3	*** 2.48354	41.68	ADV	32.2	-23.7	50.18	54	-3.82	-	-	5	104	V
4	*** 2.48359	41.92	ADV	32.2	-23.7	50.42	54	-3.58	-	-	5	104	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, 2467 MHz)

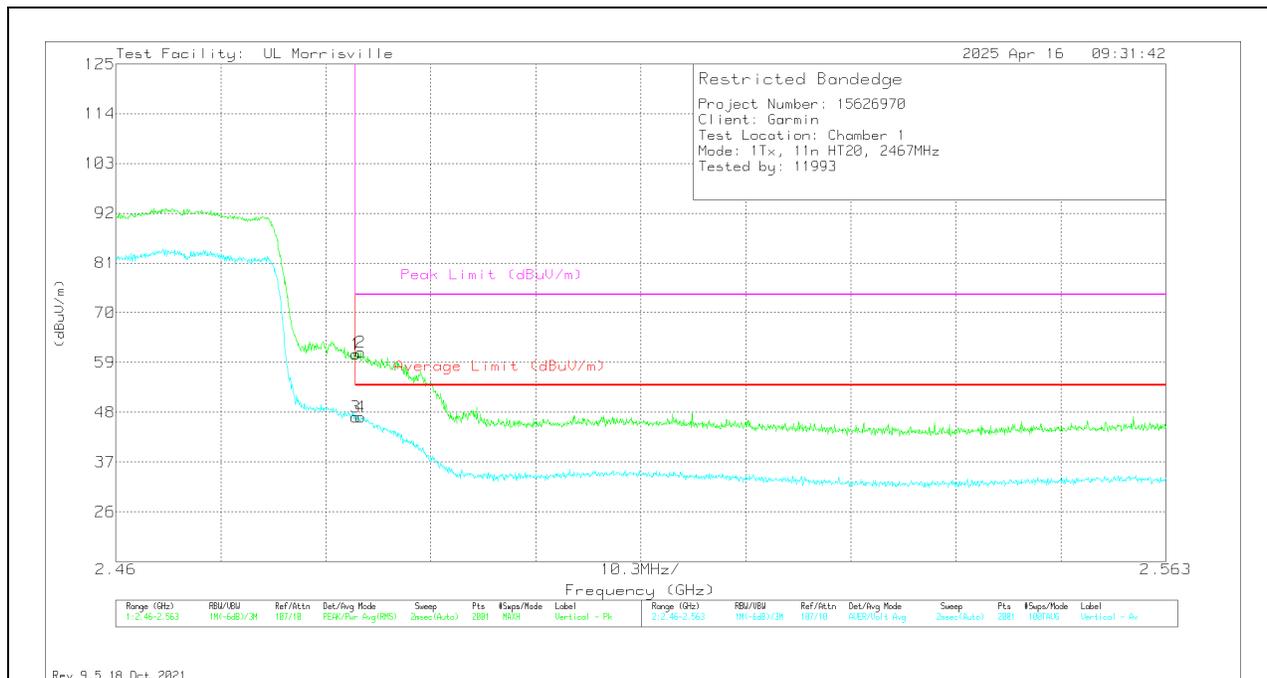
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	57.31	Pk	32.2	-23.7	65.81	-	-	74	-8.19	72	192	H
2	*** 2.48379	57.21	Pk	32.2	-23.7	65.71	-	-	74	-8.29	72	192	H
3	*** 2.48354	43.02	ADV	32.2	-23.7	51.52	54	-2.48	-	-	72	192	H
4	*** 2.48369	43.68	ADV	32.2	-23.7	52.18	54	-1.82	-	-	72	192	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	52.4	Pk	32.2	-23.7	60.9	-	-	74	-13.1	238	162	V
2	*** 2.484	52.89	Pk	32.2	-23.8	61.29	-	-	74	-12.71	238	162	V
3	*** 2.48354	38.49	ADV	32.2	-23.7	46.99	54	-7.01	-	-	238	162	V
4	*** 2.48405	38.59	ADV	32.2	-23.8	46.99	54	-7.01	-	-	238	162	V

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

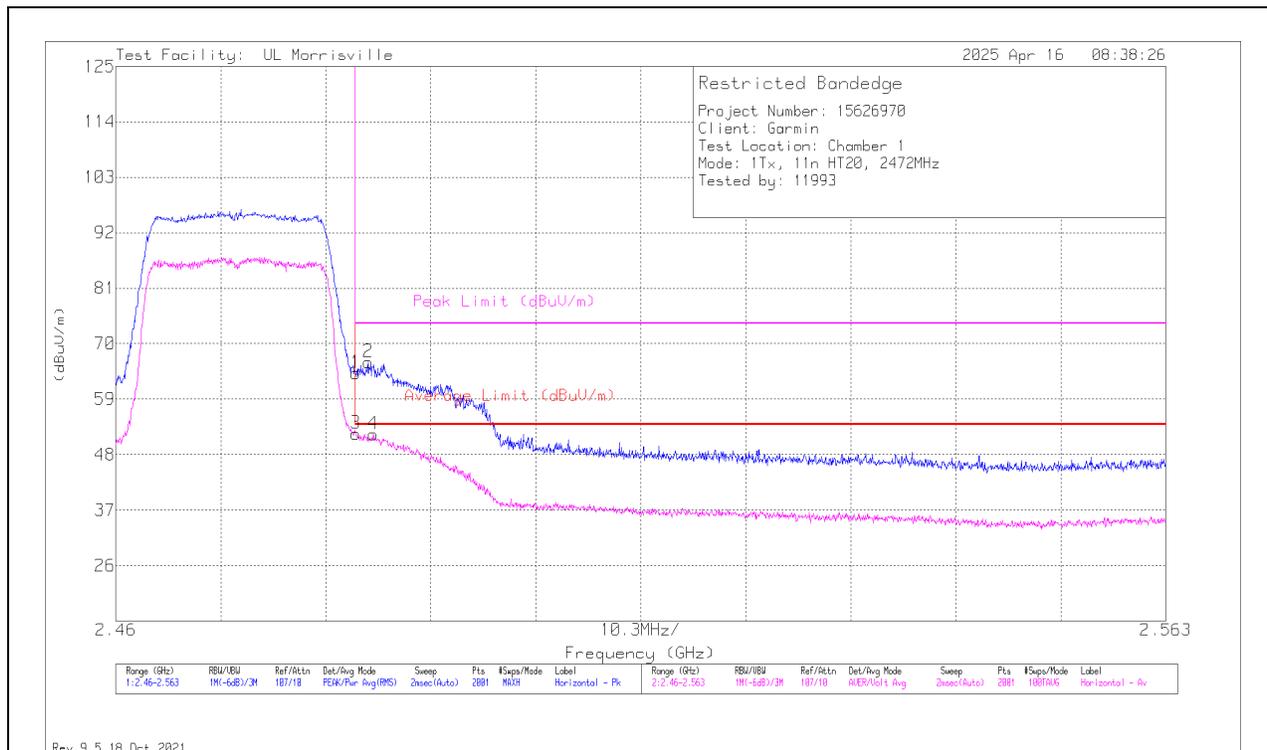
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, 2472 MHz)

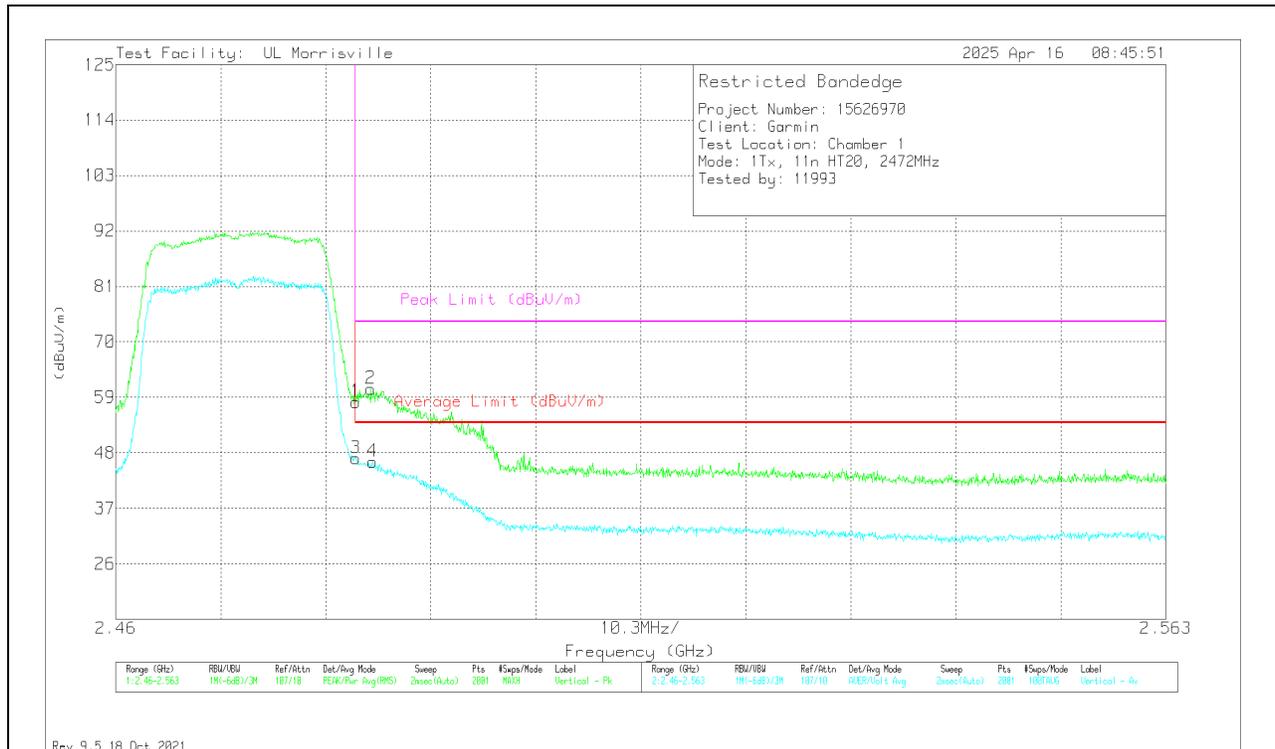
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	55.62	Pk	32.2	-23.7	64.12	-	-	74	-9.88	71	279	H
2	*** 2.48477	57.97	Pk	32.2	-23.8	66.37	-	-	74	-7.63	71	279	H
3	*** 2.48354	43.68	ADV	32.2	-23.7	52.18	54	-1.82	-	-	71	279	H
4	*** 2.48524	43.66	ADV	32.2	-23.8	52.06	54	-1.94	-	-	71	279	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

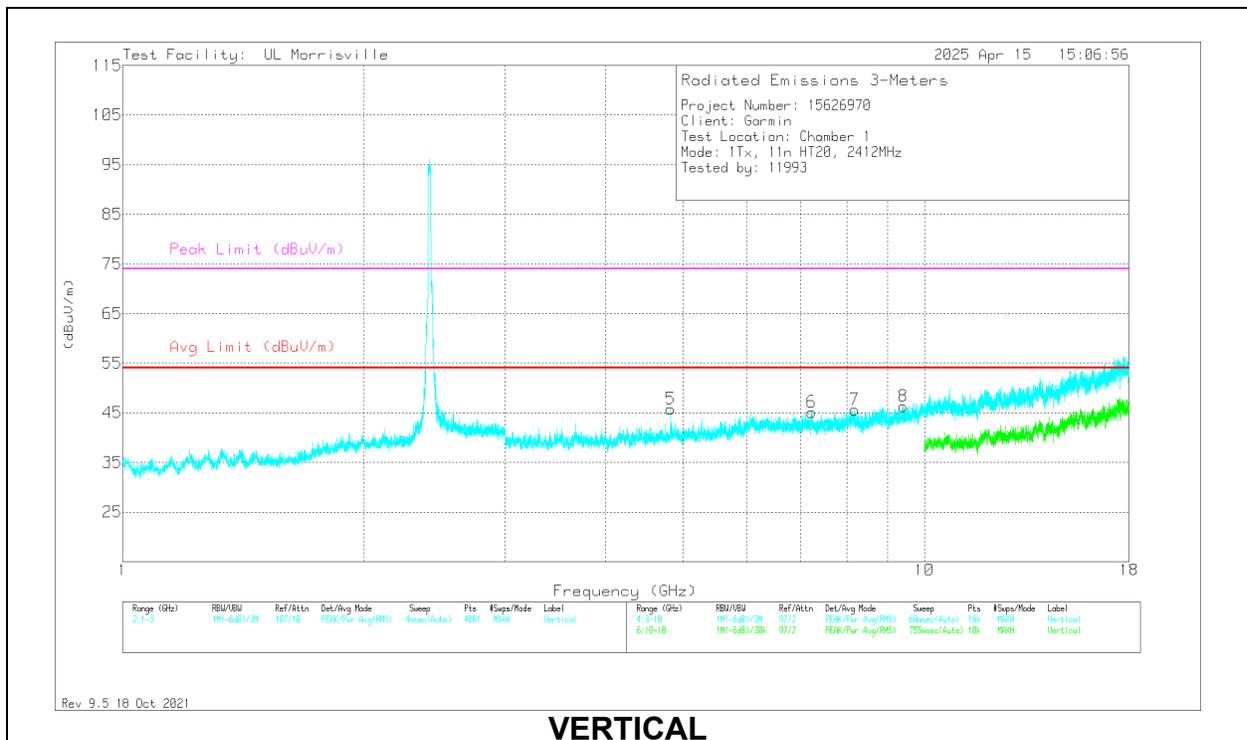
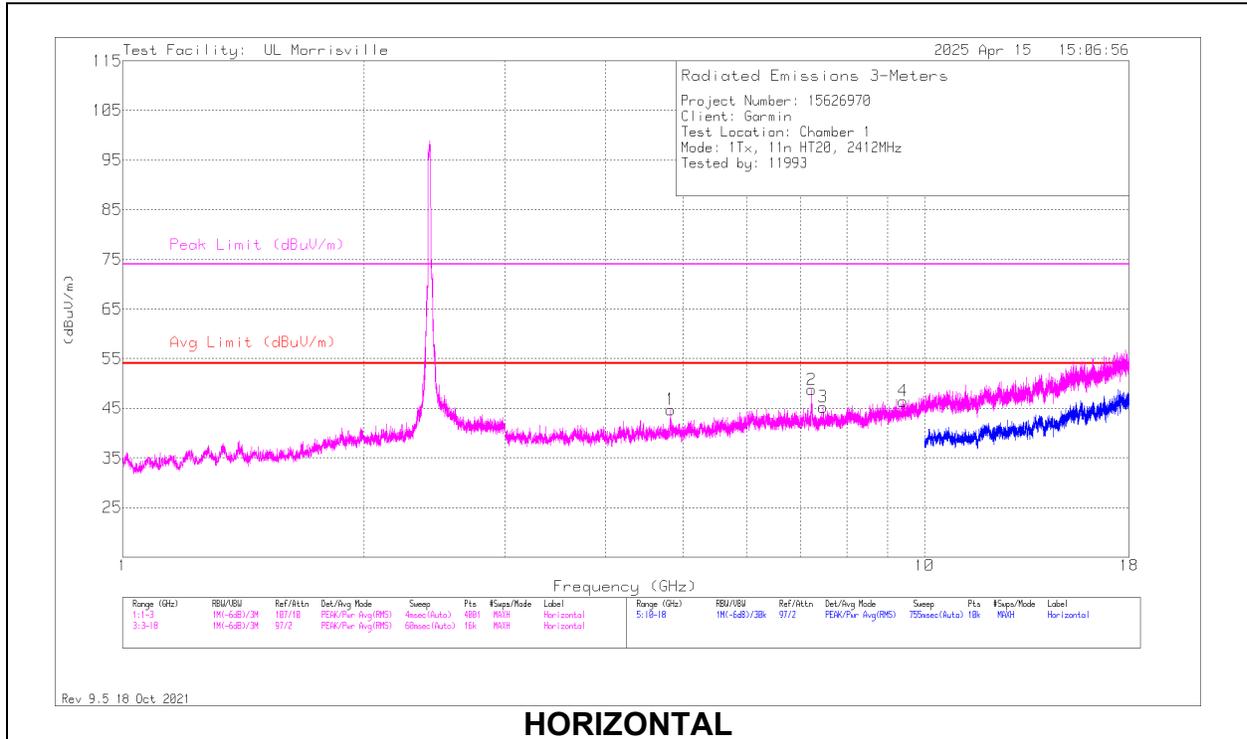


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	49.63	Pk	32.2	-23.7	58.13	-	-	74	-15.87	275	172	V
2	* ** 2.48503	52.31	Pk	32.2	-23.8	60.71	-	-	74	-13.29	275	172	V
3	* ** 2.48354	38.38	ADV	32.2	-23.7	46.88	54	-7.12	-	-	275	172	V
4	* ** 2.48518	37.86	ADV	32.2	-23.8	46.26	54	-7.74	-	-	275	172	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, 2412 MHz RESULTS



RADIATED EMISSIONS

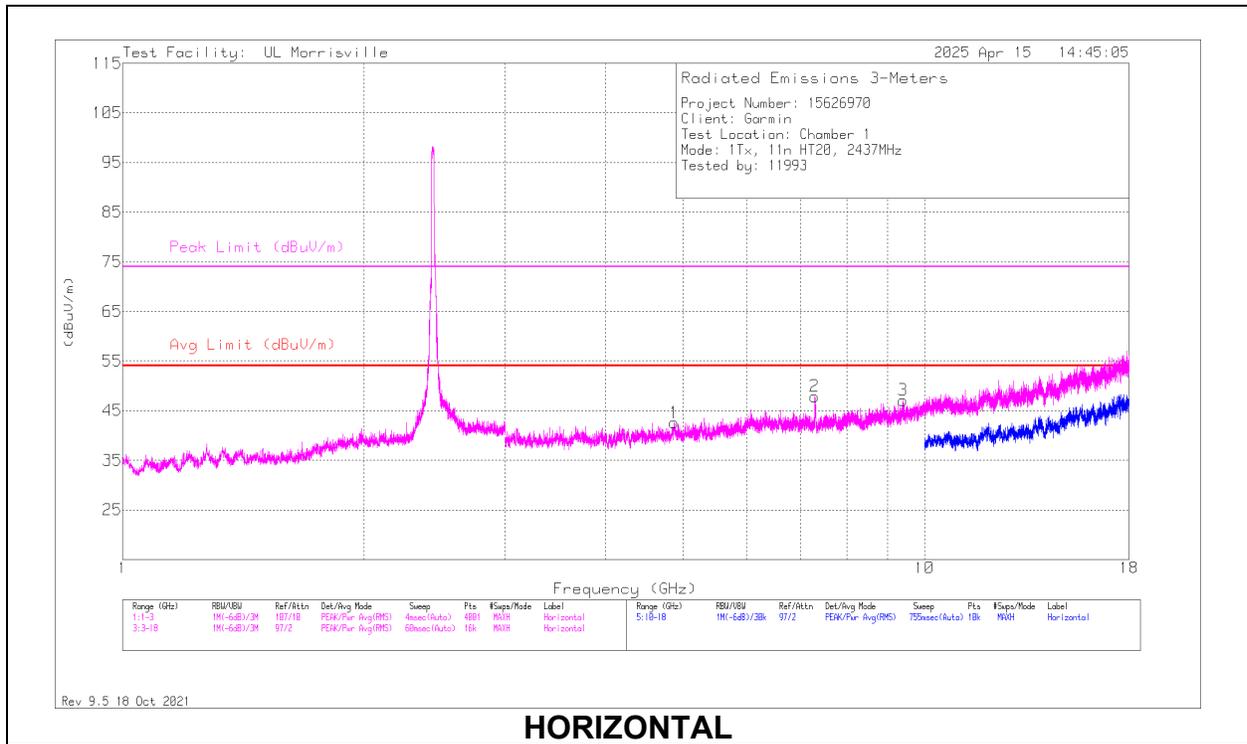
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.82625	55.99	Pk	33.9	-45.2	44.69	54	-9.31	74	-29.31	0-360	101	H
3	*** 7.4775	50.96	Pk	35.5	-41.2	45.26	54	-8.74	74	-28.74	0-360	101	H
4	*** 9.40594	50.96	Pk	36.3	-40.9	46.36	54	-7.64	74	-27.64	0-360	200	H
5	*** 4.82344	57.26	Pk	33.9	-45.4	45.76	54	-8.24	74	-28.24	0-360	101	V
7	*** 8.19188	50.39	Pk	35.9	-40.7	45.59	54	-8.41	74	-28.41	0-360	101	V
8	*** 9.41438	49.78	Pk	36.3	-39.8	46.28	54	-7.72	74	-27.72	0-360	101	V
2	7.23094	55.81	Pk	35.4	-42.5	48.71	-	-	-	-	0-360	101	H
6	7.2375	52.09	Pk	35.4	-42.4	45.09	-	-	-	-	0-360	101	V

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

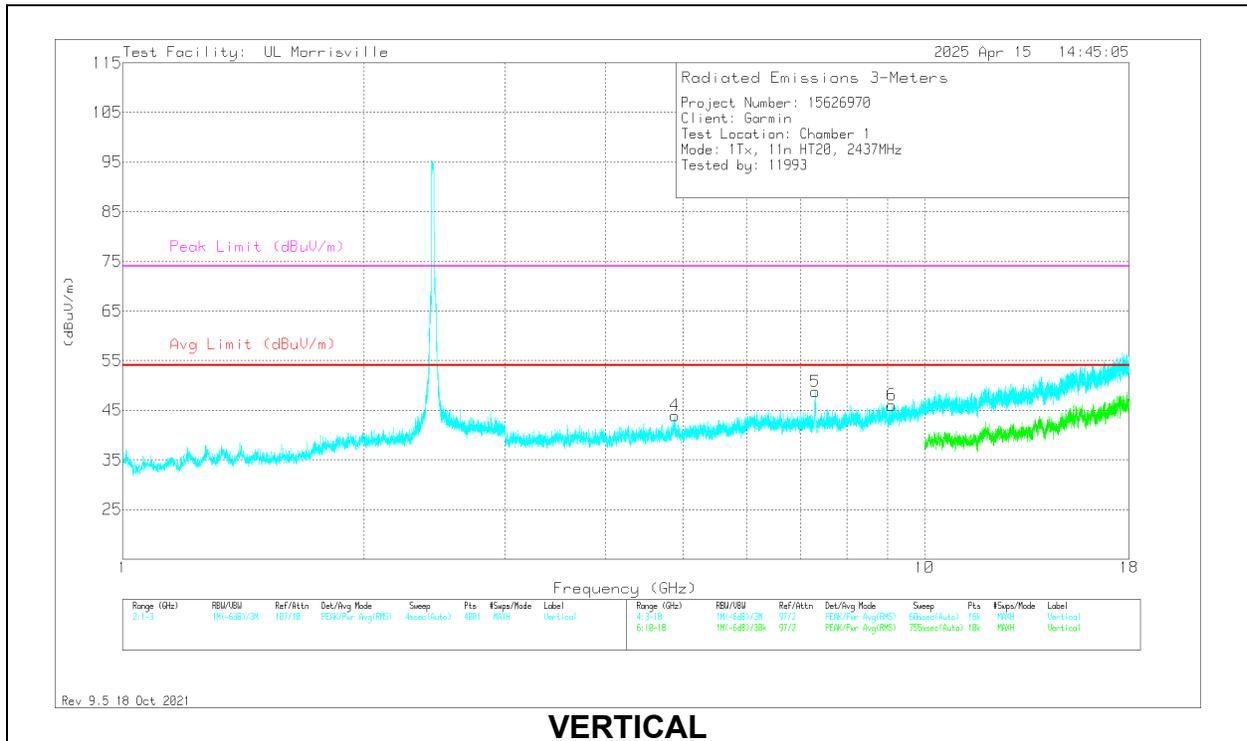
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL, 2437 MHz RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.87031	53.45	Pk	34	-44.9	42.55	54	-11.45	74	-31.45	0-360	101	H
2	* ** 7.30031	54.3	Pk	35.4	-41.9	47.8	54	-6.2	74	-26.2	0-360	101	H
3	* ** 9.41344	50.74	Pk	36.3	-40	47.04	54	-6.96	74	-26.96	0-360	101	H
4	* ** 4.88438	54.75	Pk	34	-44.8	43.95	54	-10.05	74	-30.05	0-360	101	V
5	* ** 7.30894	57.96	PK2	35.4	-41.7	51.66	-	-	74	-22.34	178	182	V
	* ** 7.30949	43.9	ADV	35.4	-41.7	37.6	54	-16.4	-	-	178	182	V
6	* ** 9.10969	50.3	Pk	35.9	-40.2	46	54	-8	74	-28	0-360	101	V

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

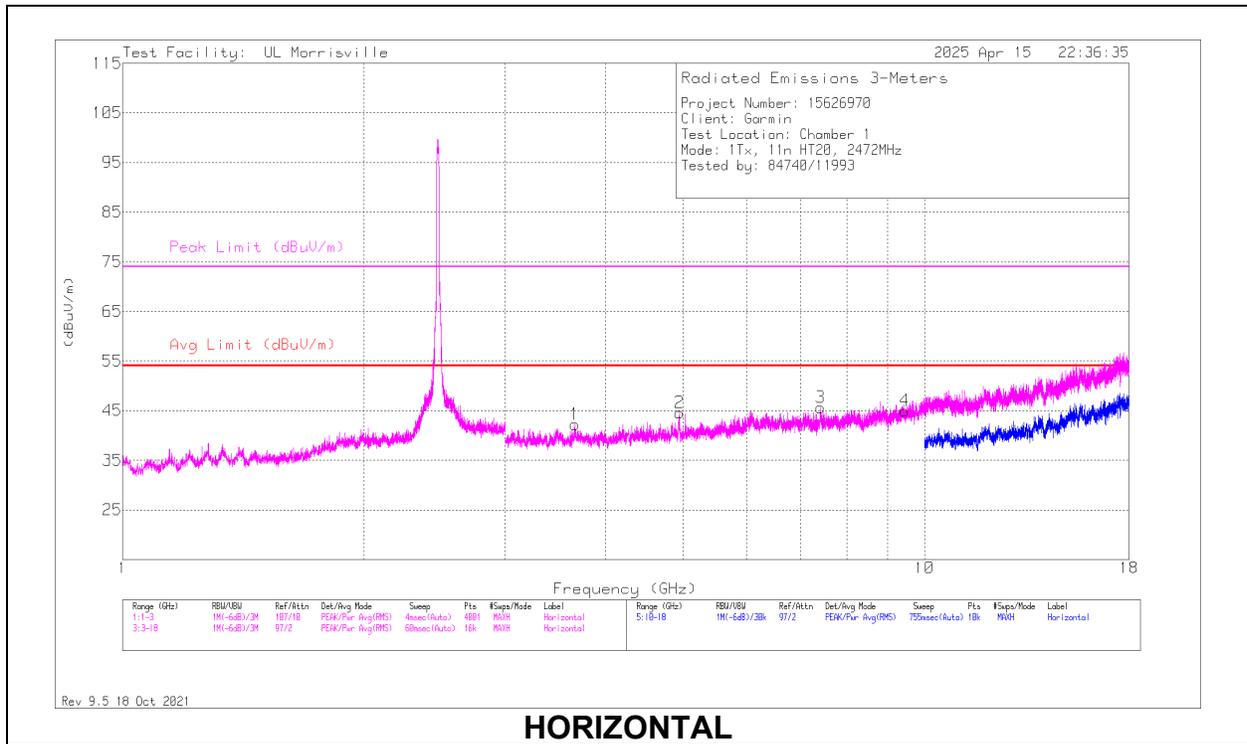
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

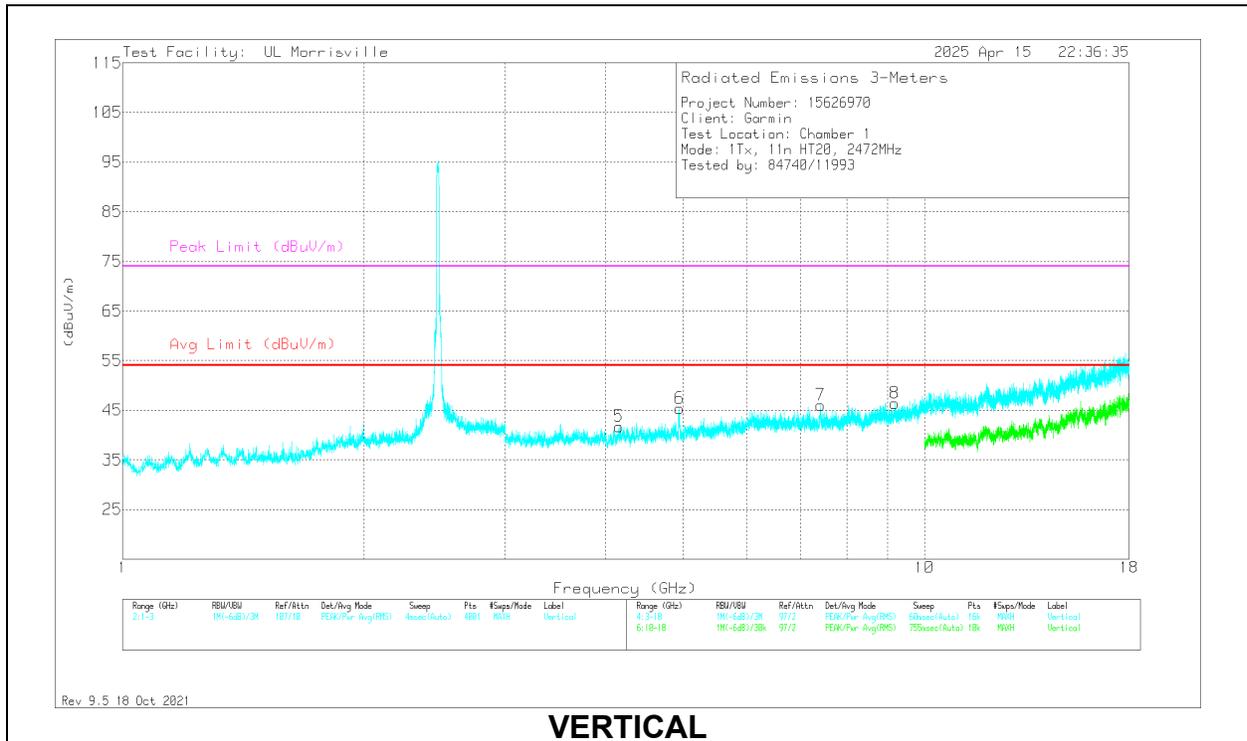
PK2 - KDB558074 Method: Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL, 2472 MHz RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 3.66563	52.85	Pk	33.1	-43.7	42.25	54	-11.75	74	-31.75	0-360	200	H
2	* ** 4.94625	54.75	Pk	34.2	-44.4	44.55	54	-9.45	74	-29.45	0-360	101	H
3	* ** 7.42125	51.42	Pk	35.4	-41.2	45.62	54	-8.38	74	-28.38	0-360	101	H
4	* ** 9.45844	49.38	Pk	36.4	-40.8	44.98	54	-9.02	74	-29.02	0-360	101	H
5	* ** 4.15875	53.7	Pk	33.4	-45.4	41.7	54	-12.3	74	-32.3	0-360	200	V
6	* ** 4.94813	55.64	Pk	34.2	-44.5	45.34	54	-8.66	74	-28.66	0-360	200	V
7	* ** 7.42031	51.87	Pk	35.4	-41.2	46.07	54	-7.93	74	-27.93	0-360	101	V
8	* ** 9.18375	50.17	Pk	36	-39.8	46.37	54	-7.63	74	-27.63	0-360	200	V

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

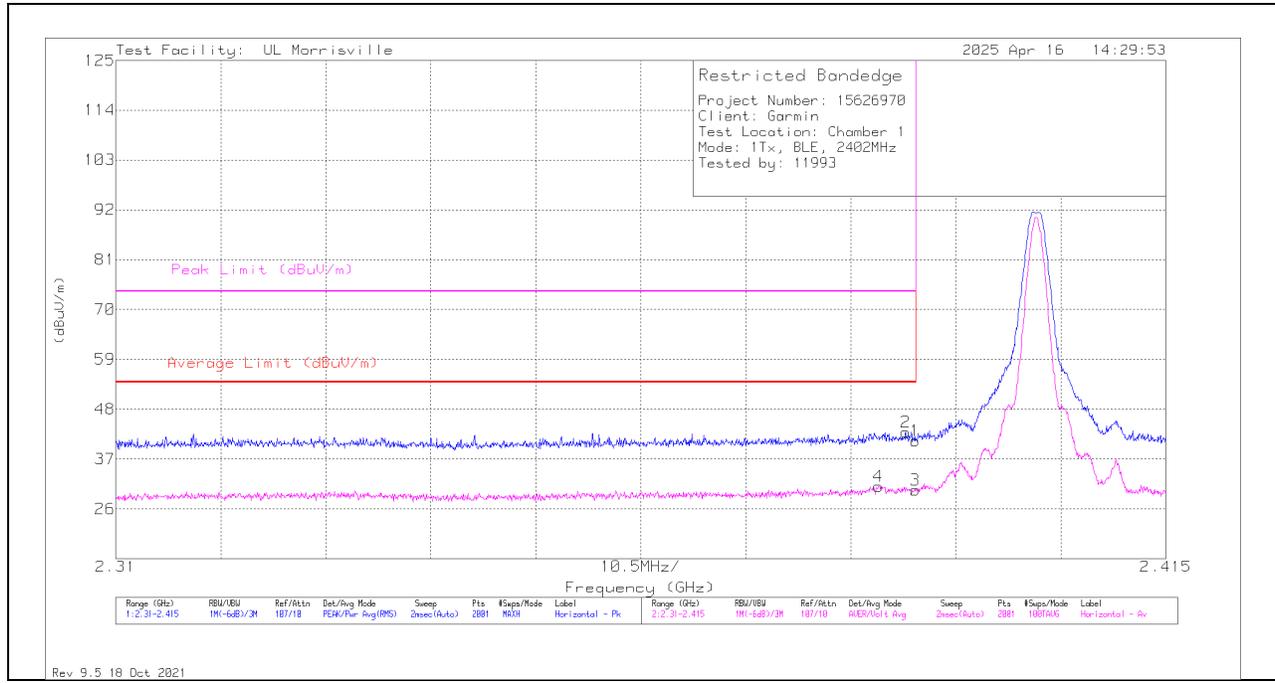
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.1.1. BLE (1Mbps)

BANDEDGE (LOW CHANNEL, 2402 MHz)

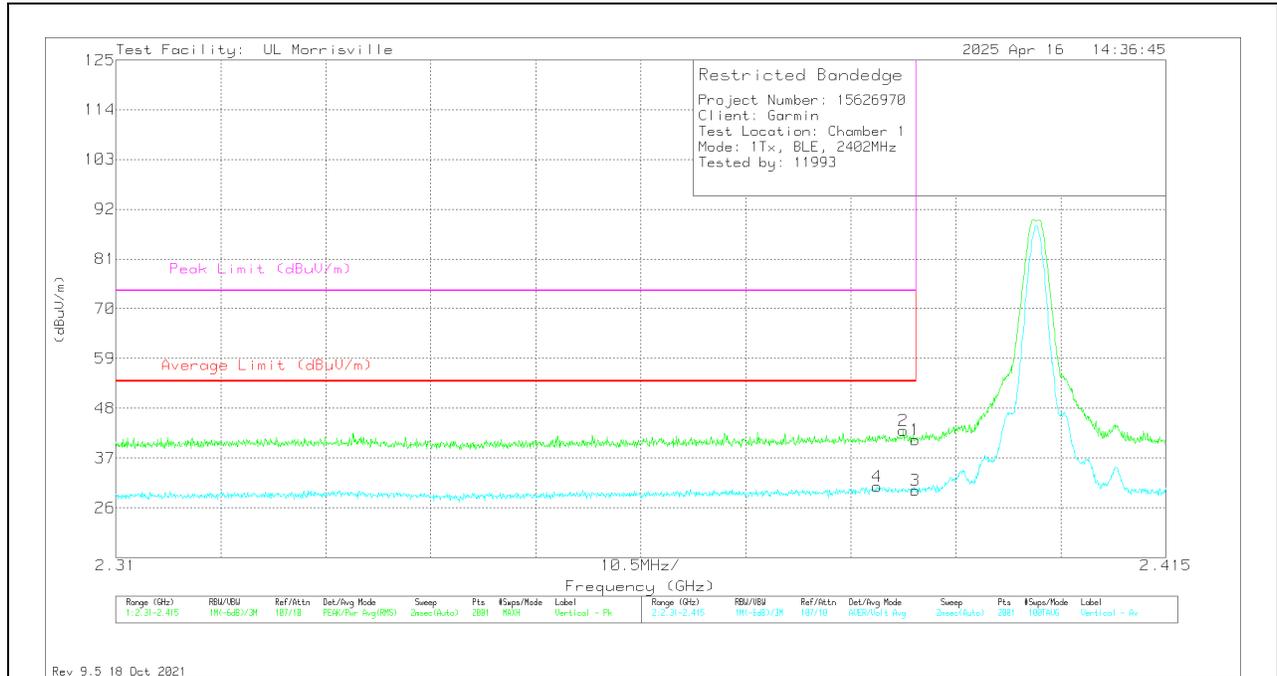
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	33.17	Pk	31.9	-24	41.07	-	-	74	-32.93	282	117	H
2	*** 2.38901	35.01	Pk	31.9	-24	42.91	-	-	74	-31.09	282	117	H
3	*** 2.38996	22.28	ADV	31.9	-24	30.18	54	-23.82	-	-	282	117	H
4	*** 2.38623	22.98	ADV	31.9	-23.9	30.98	54	-23.02	-	-	282	117	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

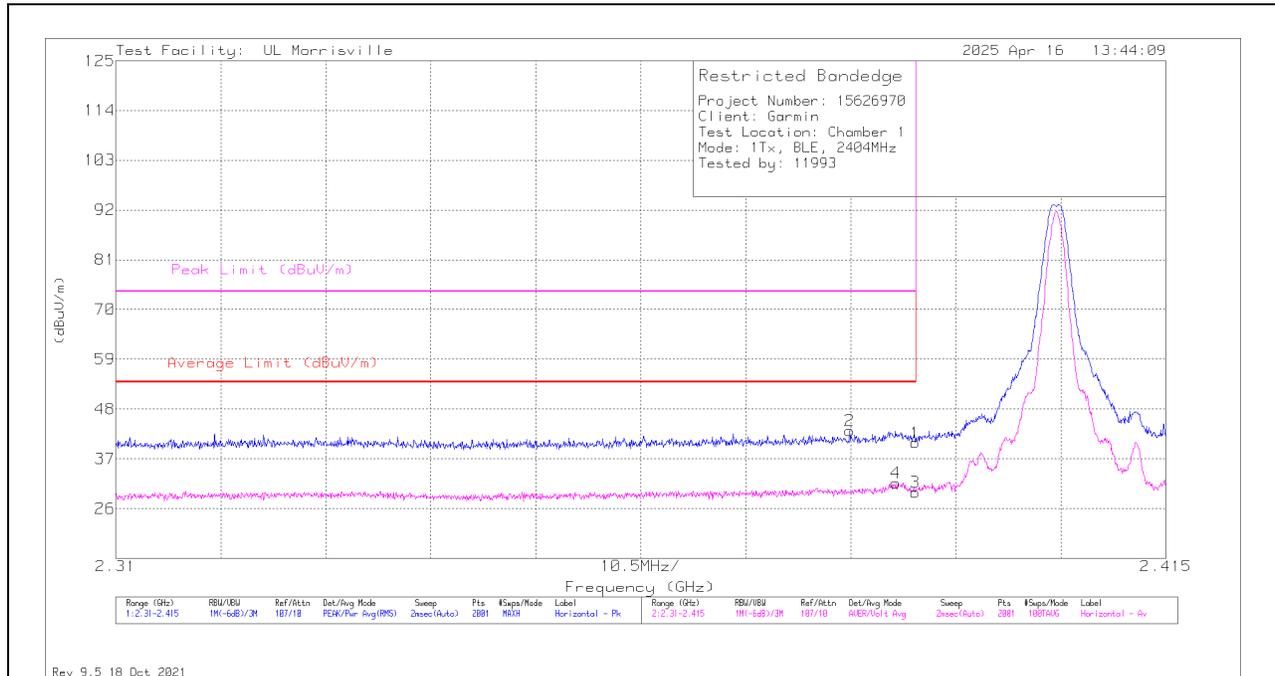


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	33.08	Pk	31.9	-24	40.98	-	-	74	-33.02	159	163	V
2	*** 2.38875	35.16	Pk	31.9	-24	43.06	-	-	74	-30.94	159	163	V
3	*** 2.38996	21.95	ADV	31.9	-24	29.85	54	-24.15	-	-	159	163	V
4	*** 2.38613	22.7	ADV	31.9	-23.9	30.7	54	-23.3	-	-	159	163	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (LOW CHANNEL, 2404 MHz)

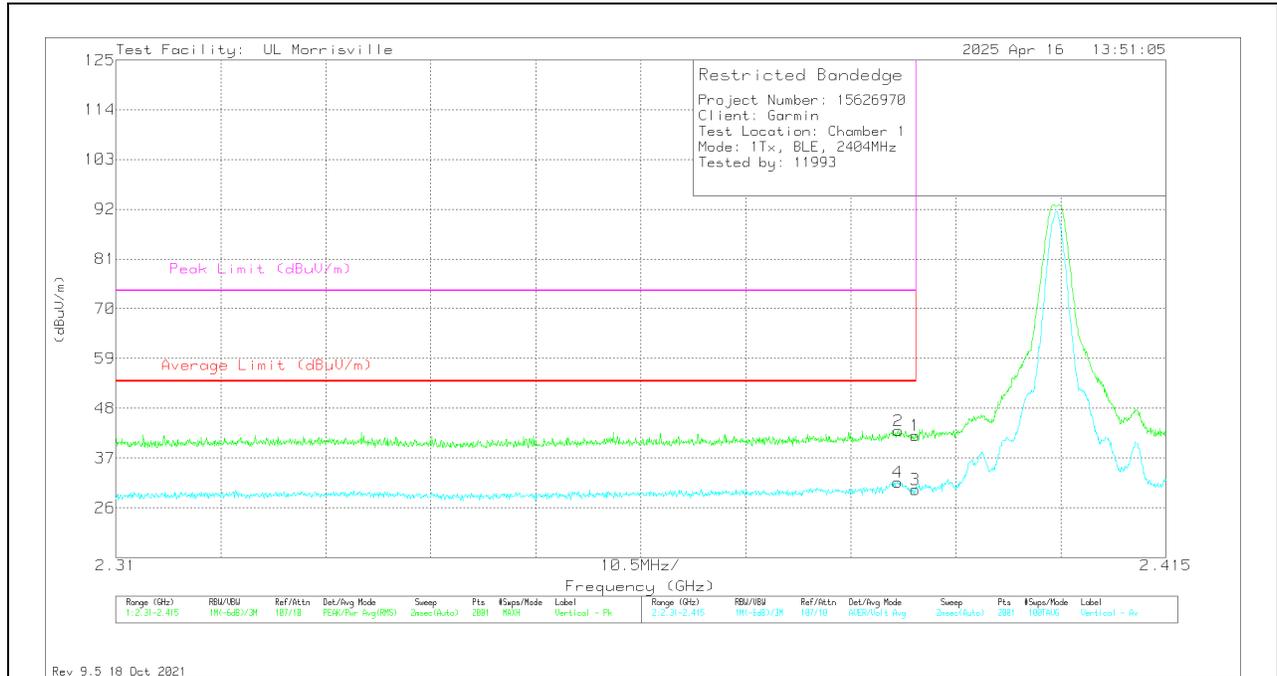
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	32.64	Pk	31.9	-24	40.54	-	-	74	-33.46	34	264	H
2	* ** 2.3834	35.28	Pk	31.9	-24	43.18	-	-	74	-30.82	34	264	H
3	* ** 2.38996	21.73	ADV	31.9	-24	29.63	54	-24.37	-	-	34	264	H
4	* ** 2.38802	23.66	ADV	31.9	-23.9	31.66	54	-22.34	-	-	34	264	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

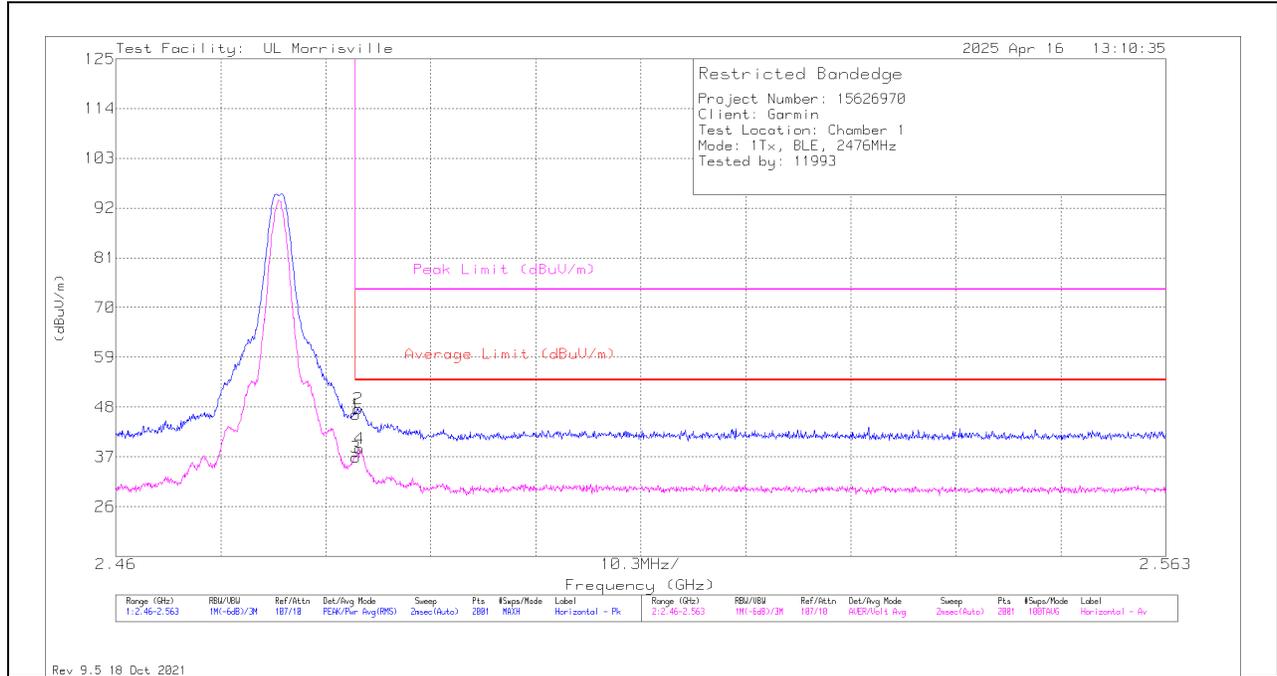


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	34.1	Pk	31.9	-24	42	-	-	74	-32	167	221	V
2	*** 2.38823	35.12	Pk	31.9	-24	43.02	-	-	74	-30.98	167	221	V
3	*** 2.38996	22.11	ADV	31.9	-24	30.01	54	-23.99	-	-	167	221	V
4	*** 2.38817	23.61	ADV	31.9	-23.9	31.61	54	-22.39	-	-	167	221	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL 2476 MHz)

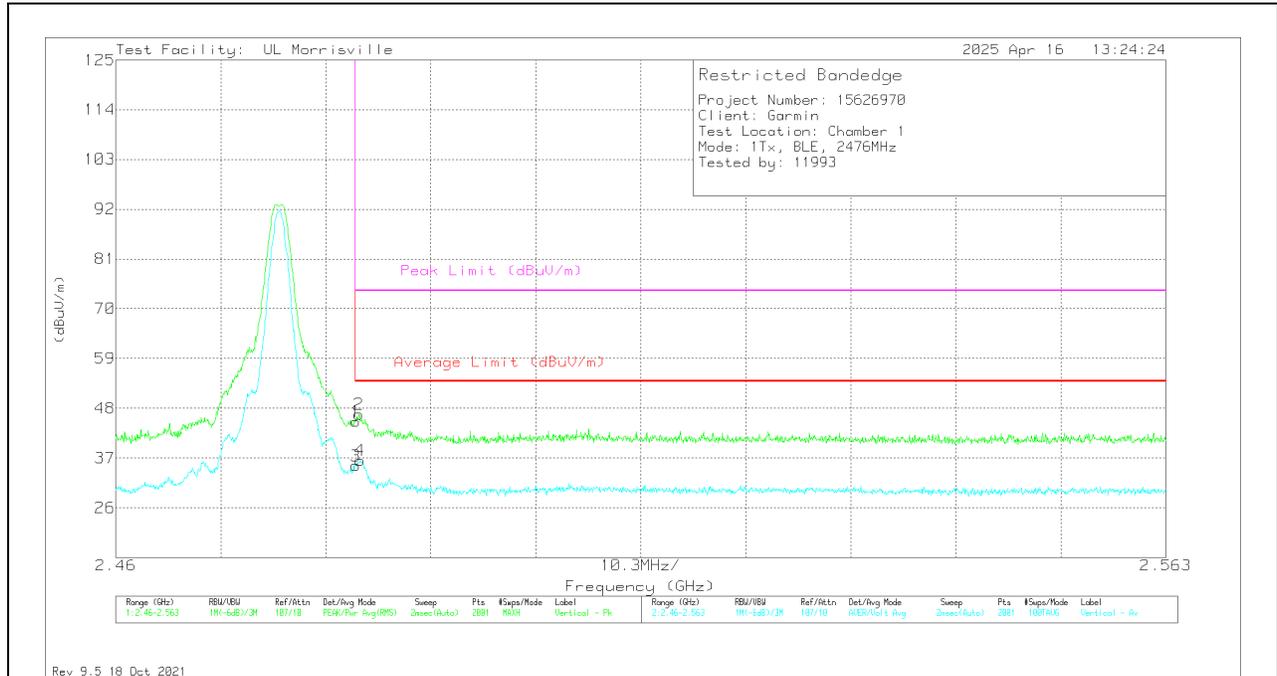
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	37.93	Pk	32.2	-23.7	46.43	-	-	74	-27.57	60	244	H
2	*** 2.48379	39.18	Pk	32.2	-23.7	47.68	-	-	74	-26.32	60	244	H
3	*** 2.48354	28.42	ADV	32.2	-23.7	36.92	54	-17.08	-	-	60	244	H
4	*** 2.4839	30.32	ADV	32.2	-23.7	38.82	54	-15.18	-	-	60	244	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	36.57	Pk	32.2	-23.7	45.07	-	-	74	-28.93	205	189	V
2	* ** 2.48384	38.21	Pk	32.2	-23.7	46.71	-	-	74	-27.29	205	189	V
3	* ** 2.48354	26.8	ADV	32.2	-23.7	35.3	54	-18.7	-	-	205	189	V
4	* ** 2.48395	28.02	ADV	32.2	-23.7	36.52	54	-17.48	-	-	205	189	V

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

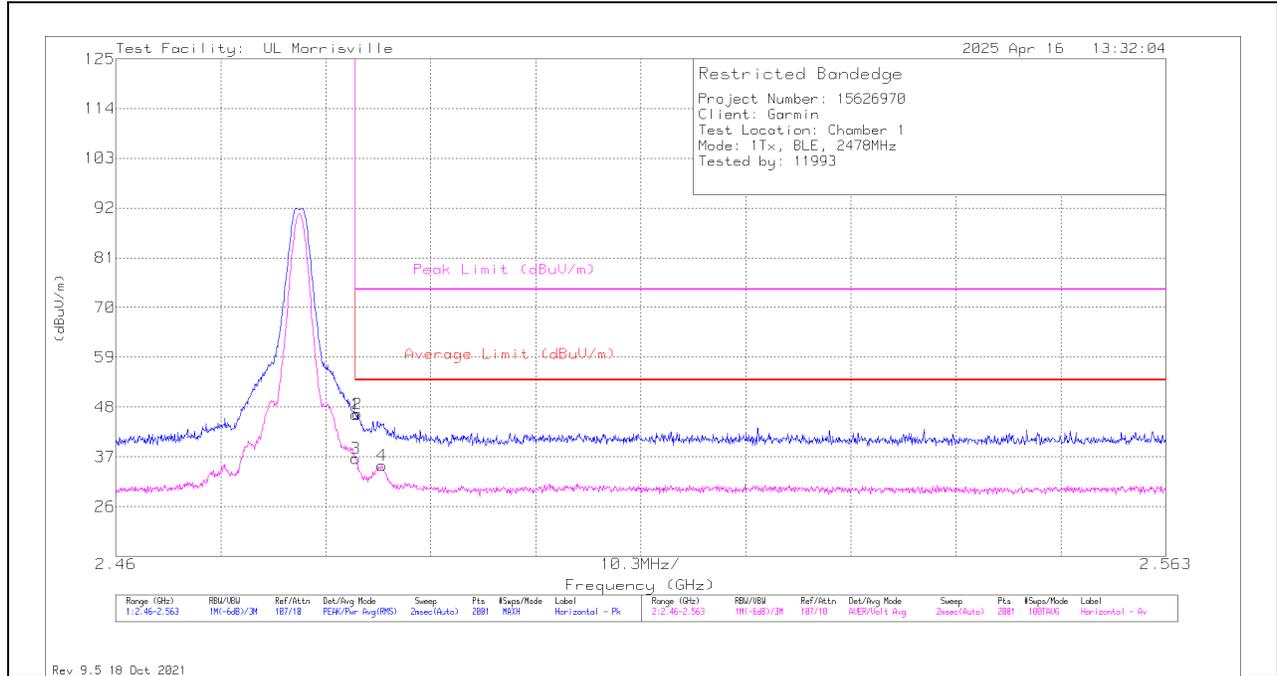
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL 2478 MHz)

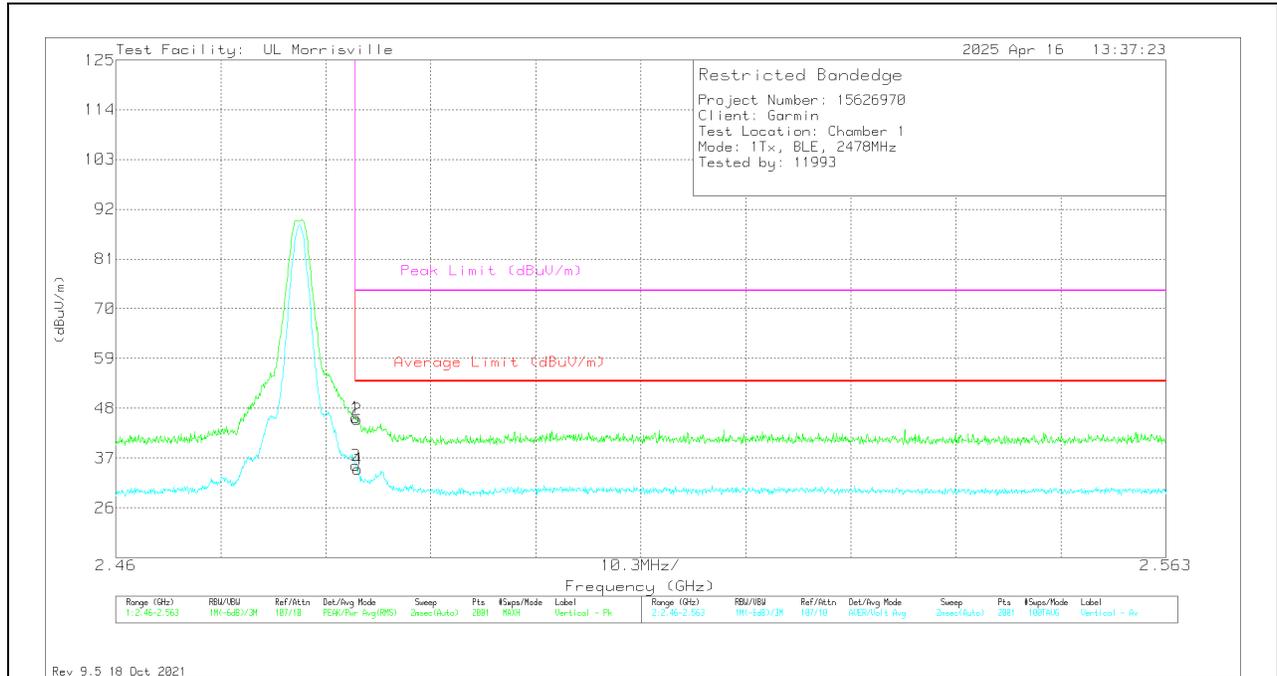
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	37.9	Pk	32.2	-23.7	46.4	-	-	74	-27.6	86	246	H
2	* ** 2.48369	37.96	Pk	32.2	-23.7	46.46	-	-	74	-27.54	86	246	H
3	* ** 2.48354	28.07	ADV	32.2	-23.7	36.57	54	-17.43	-	-	86	246	H
4	* ** 2.48611	26.85	ADV	32.2	-23.9	35.15	54	-18.85	-	-	86	246	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	37.52	Pk	32.2	-23.7	46.02	-	-	74	-27.98	226	248	V
2	* ** 2.48364	37.1	Pk	32.2	-23.7	45.6	-	-	74	-28.4	226	248	V
3	* ** 2.48354	26.85	ADV	32.2	-23.7	35.35	54	-18.65	-	-	226	248	V
4	* ** 2.48374	26	ADV	32.2	-23.7	34.5	54	-19.5	-	-	226	248	V

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

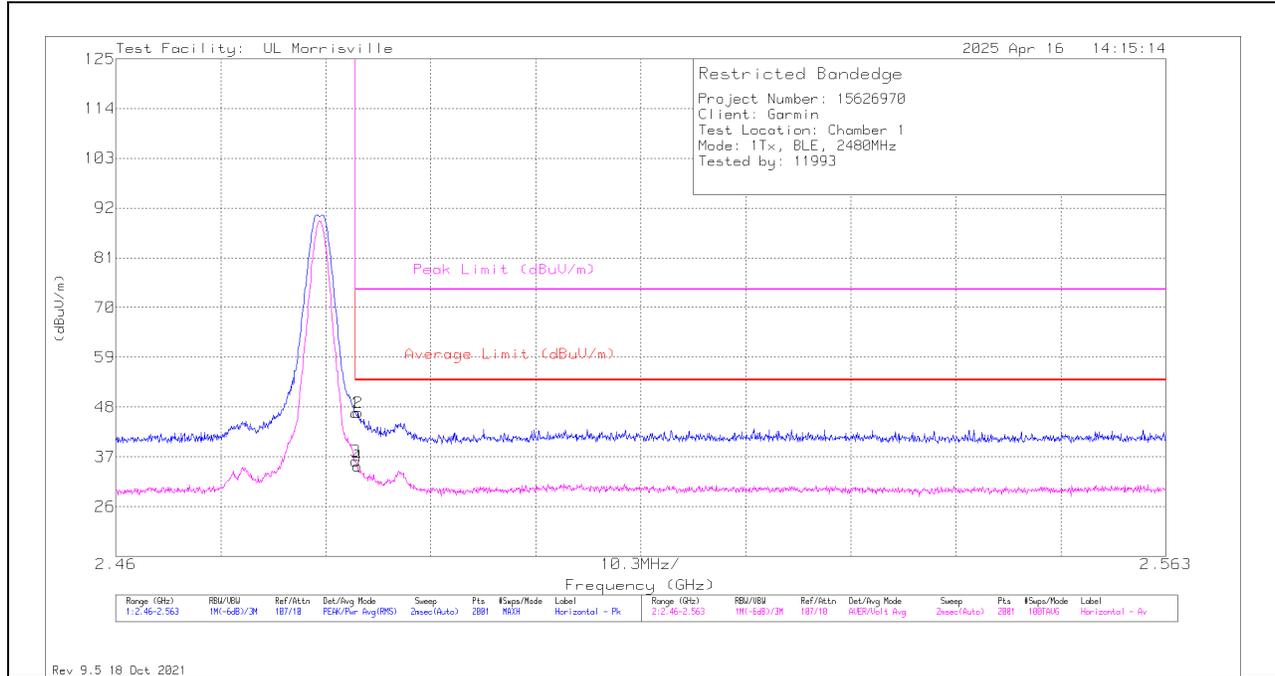
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL 2480 MHz)

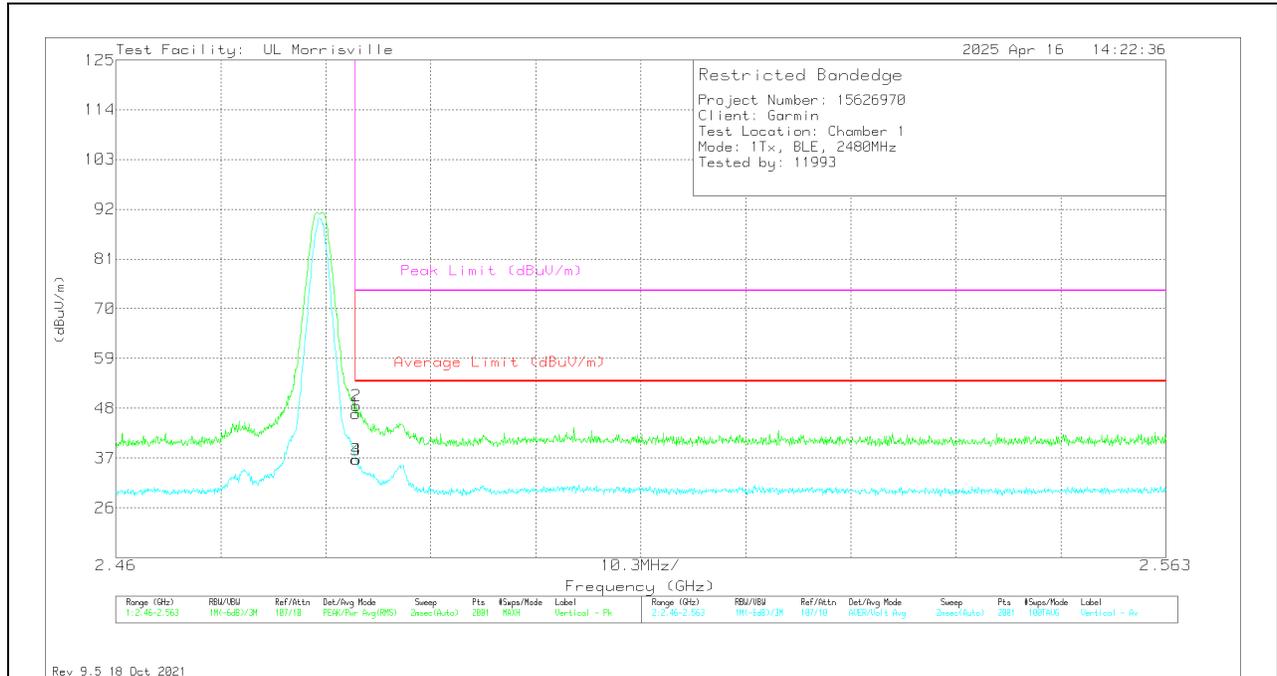
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	38.22	Pk	32.2	-23.7	46.72	-	-	74	-27.28	210	104	H
2	*** 2.48379	38.24	Pk	32.2	-23.7	46.74	-	-	74	-27.26	210	104	H
3	*** 2.48354	27.61	ADV	32.2	-23.7	36.11	54	-17.89	-	-	210	104	H
4	*** 2.48369	26.41	ADV	32.2	-23.7	34.91	54	-19.09	-	-	210	104	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	38.3	Pk	32.2	-23.7	46.8	-	-	74	-27.2	8	117	V
2	*** 2.48359	40.07	Pk	32.2	-23.7	48.57	-	-	74	-25.43	8	117	V
3	*** 2.48354	28.17	ADV	32.2	-23.7	36.67	54	-17.33	-	-	8	117	V
4	*** 2.48359	28.17	ADV	32.2	-23.7	36.67	54	-17.33	-	-	8	117	V

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

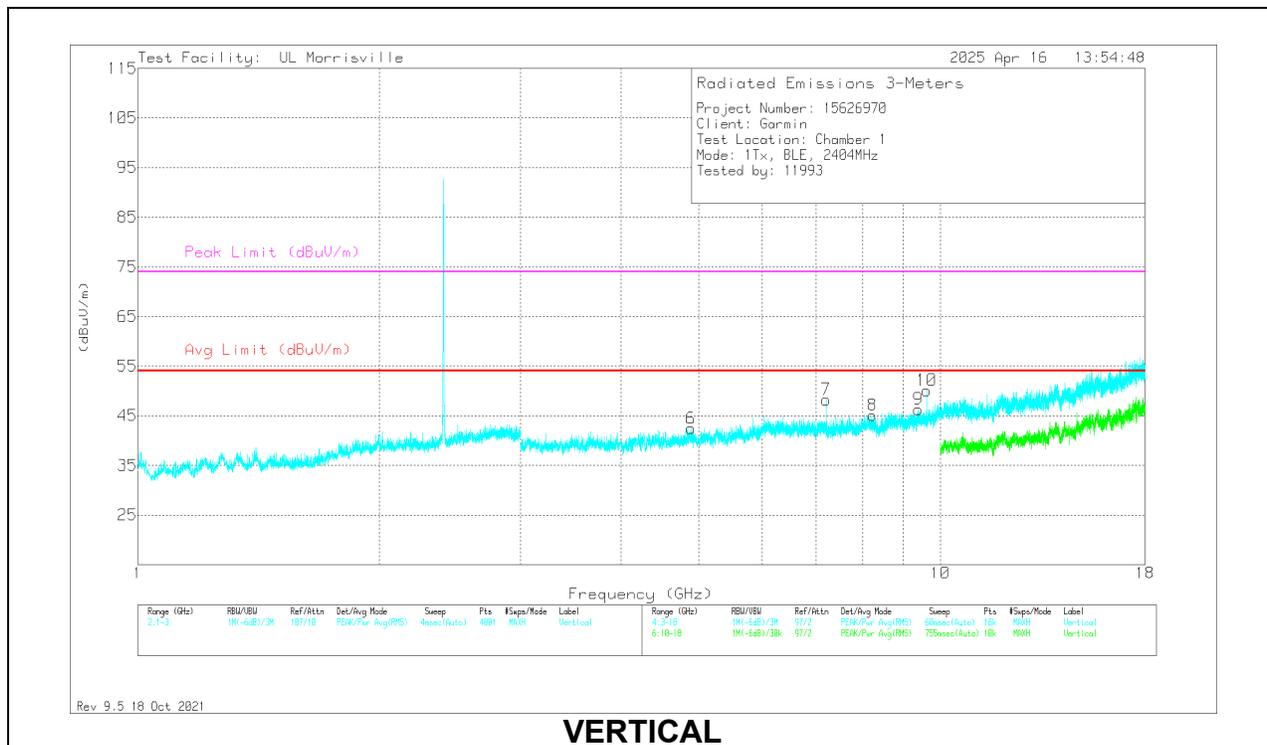
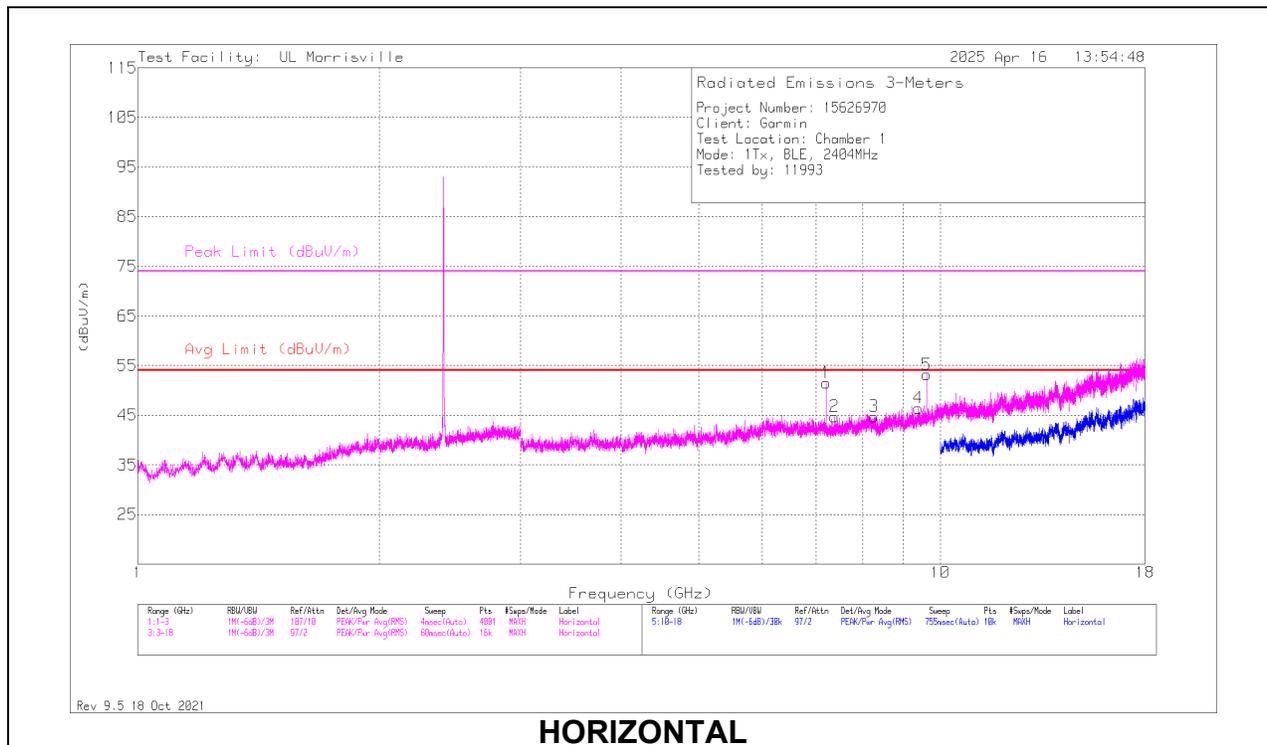
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 2404 MHz RESULTS

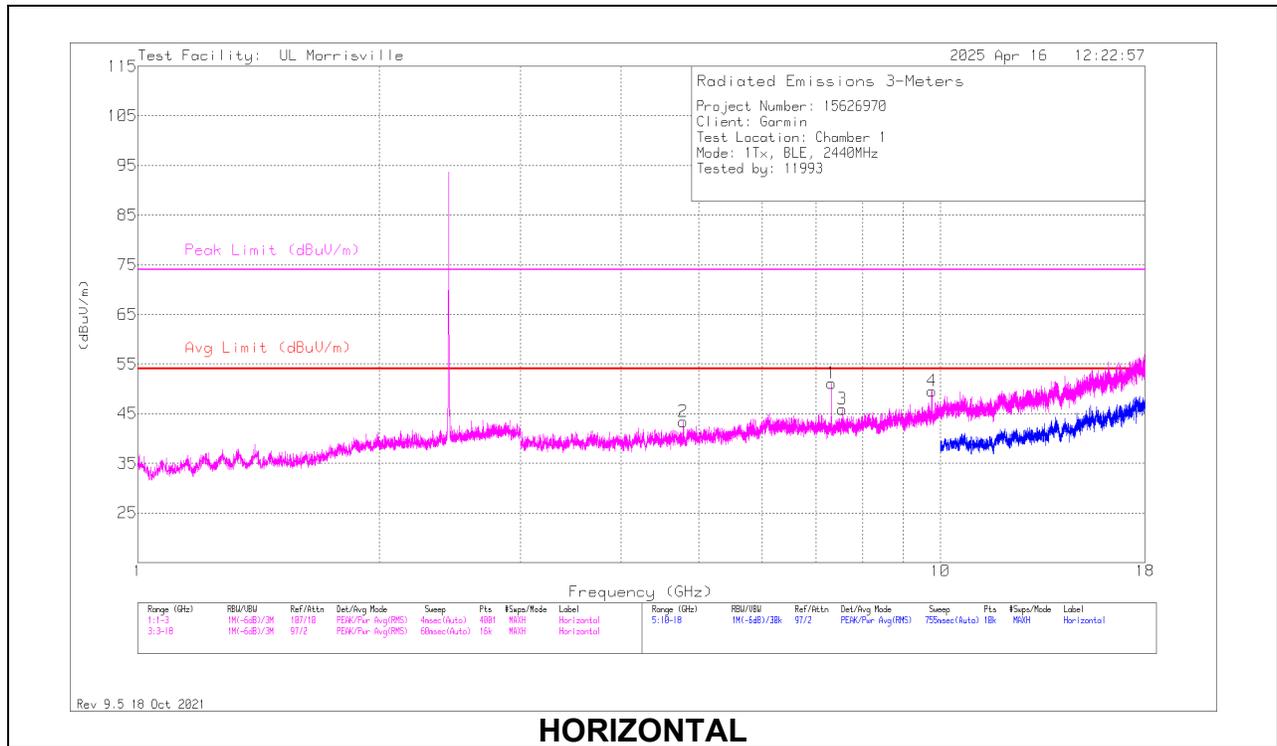


RADIATED EMISSIONS

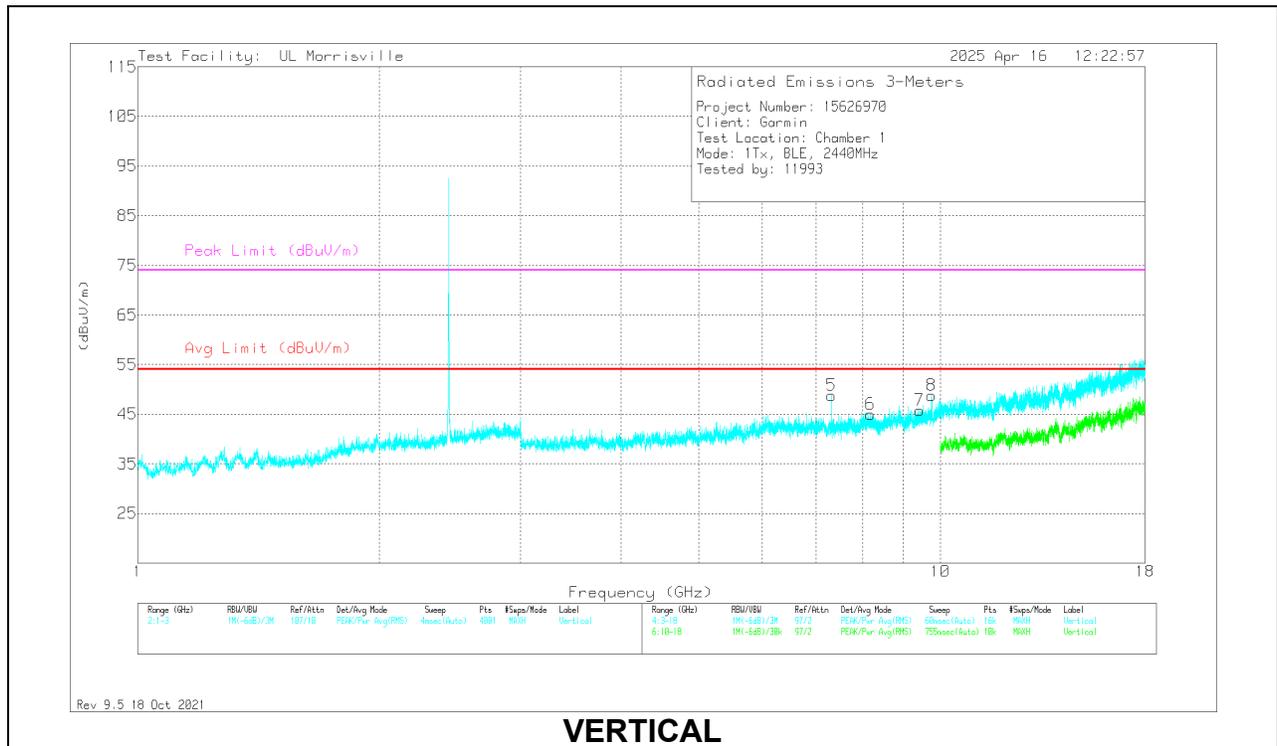
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* ** 7.38656	51.11	Pk	35.4	-41.8	44.71	54	-9.29	74	-29.29	0-360	101	H
3	* ** 8.27344	49.56	Pk	35.9	-40.7	44.76	54	-9.24	74	-29.24	0-360	101	H
4	* ** 9.39188	50.17	Pk	36.3	-40.1	46.37	54	-7.63	74	-27.63	0-360	101	H
6	* ** 4.89188	53.22	Pk	34	-44.8	42.42	54	-11.58	74	-31.58	0-360	101	V
8	* ** 8.235	50.05	Pk	35.9	-40.9	45.05	54	-8.95	74	-28.95	0-360	200	V
9	* ** 9.39375	50.01	Pk	36.3	-40	46.31	54	-7.69	74	-27.69	0-360	200	V
7	7.21125	55.37	Pk	35.4	-42.5	48.27	-	-	-	-	0-360	101	V
1	7.21313	58.52	Pk	35.4	-42.4	51.52	-	-	-	-	0-360	199	H
10	9.615	54.2	Pk	36.7	-40.8	50.1	-	-	-	-	0-360	101	V
5	9.61688	57.25	Pk	36.7	-40.8	53.15	-	-	-	-	0-360	101	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector

MID CHANNEL 2440 MHz RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 7.3208	59.65	PK2	35.4	-41.8	53.25	-	-	74	-20.75	46	203	H
	*** 7.3208	52.22	ADV	35.4	-41.8	45.82	54	-8.18	-	-	46	203	H
2	*** 4.78688	54.62	Pk	33.8	-45	43.42	54	-10.58	74	-30.58	0-360	199	H
3	*** 7.55344	51.83	Pk	35.5	-41.4	45.93	54	-8.07	74	-28.07	0-360	199	H
5	*** 7.32082	58.93	PK2	35.4	-41.8	52.53	-	-	74	-21.47	172	203	V
	*** 7.32081	51.64	ADV	35.4	-41.8	45.24	54	-8.76	-	-	172	203	V
6	*** 8.17969	50.09	Pk	35.9	-41	44.99	54	-9.01	74	-29.01	0-360	200	V
7	*** 9.41625	49.05	Pk	36.3	-39.6	45.75	54	-8.25	74	-28.25	0-360	200	V
8	9.75938	51.49	Pk	37.1	-39.8	48.79	-	-	-	-	0-360	200	V
4	9.76125	52.18	Pk	37.1	-39.7	49.58	-	-	-	-	0-360	101	H

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

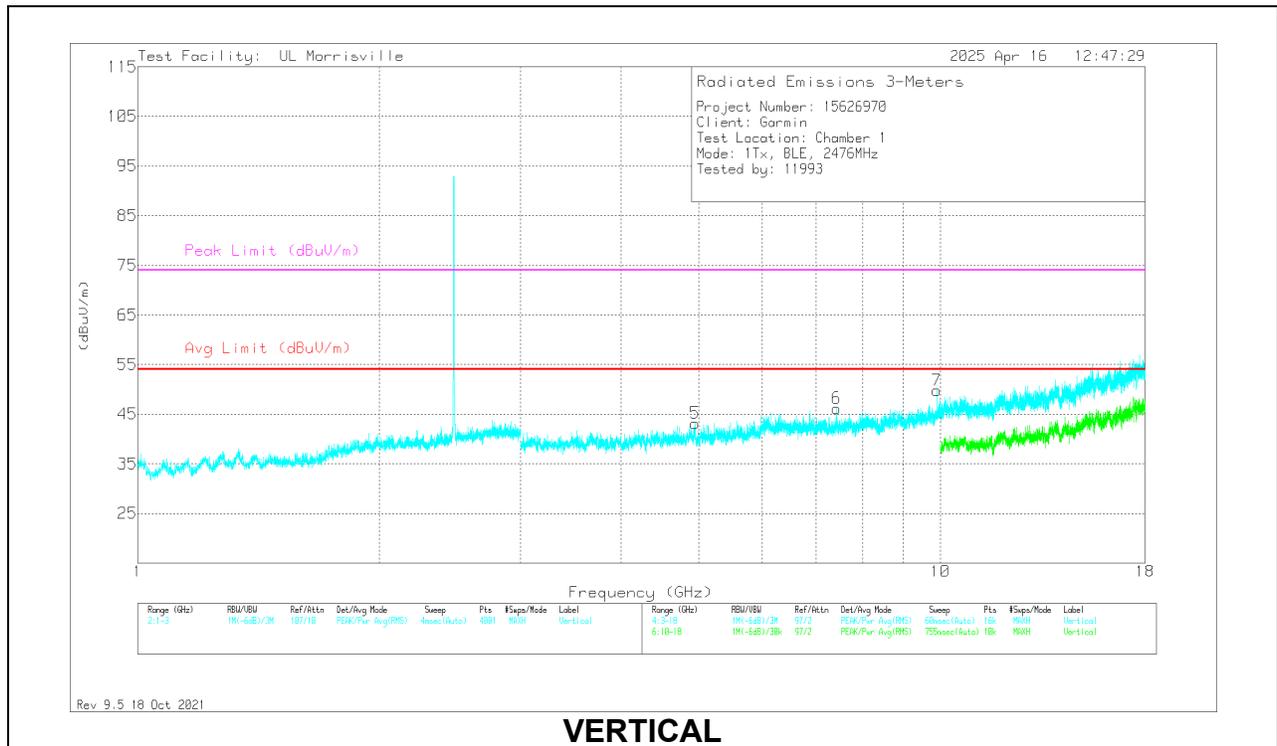
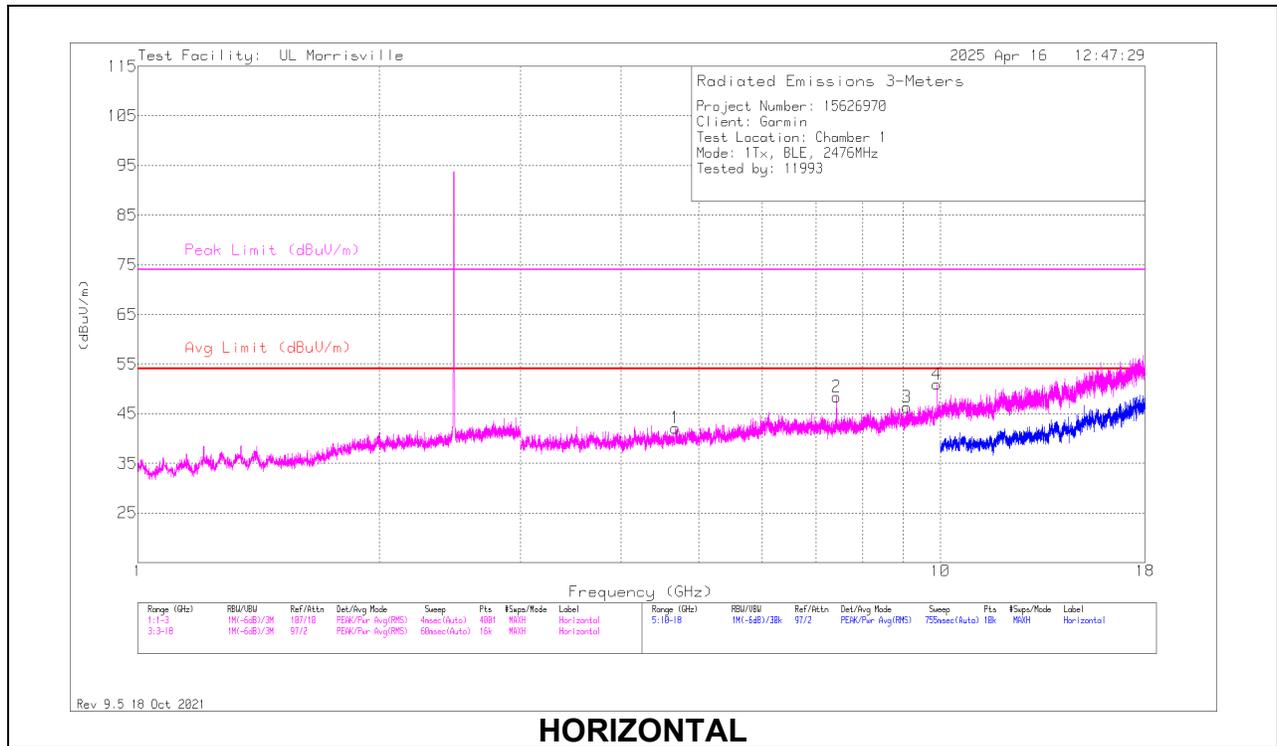
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL 2476 MHz RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.67813	53.4	Pk	33.8	-45.1	42.1	54	-11.9	74	-31.9	0-360	200	H
2	* ** 7.42879	56.09	PK2	35.4	-41.1	50.39	-	-	74	-23.61	43	208	H
	* ** 7.42729	46.78	ADV	35.4	-41.2	40.98	54	-13.02	-	-	43	208	H
3	* ** 9.09375	50.65	Pk	35.9	-40.3	46.25	54	-7.75	74	-27.75	0-360	200	H
5	* ** 4.95188	53.67	Pk	34.2	-44.7	43.17	54	-10.83	74	-30.83	0-360	101	V
6	* ** 7.42875	51.87	Pk	35.4	-41.1	46.17	54	-7.83	74	-27.83	0-360	200	V
4	9.90281	53.72	Pk	37.4	-40.2	50.92	-	-	-	-	0-360	101	H
7	9.90281	52.56	Pk	37.4	-40.2	49.76	-	-	-	-	0-360	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

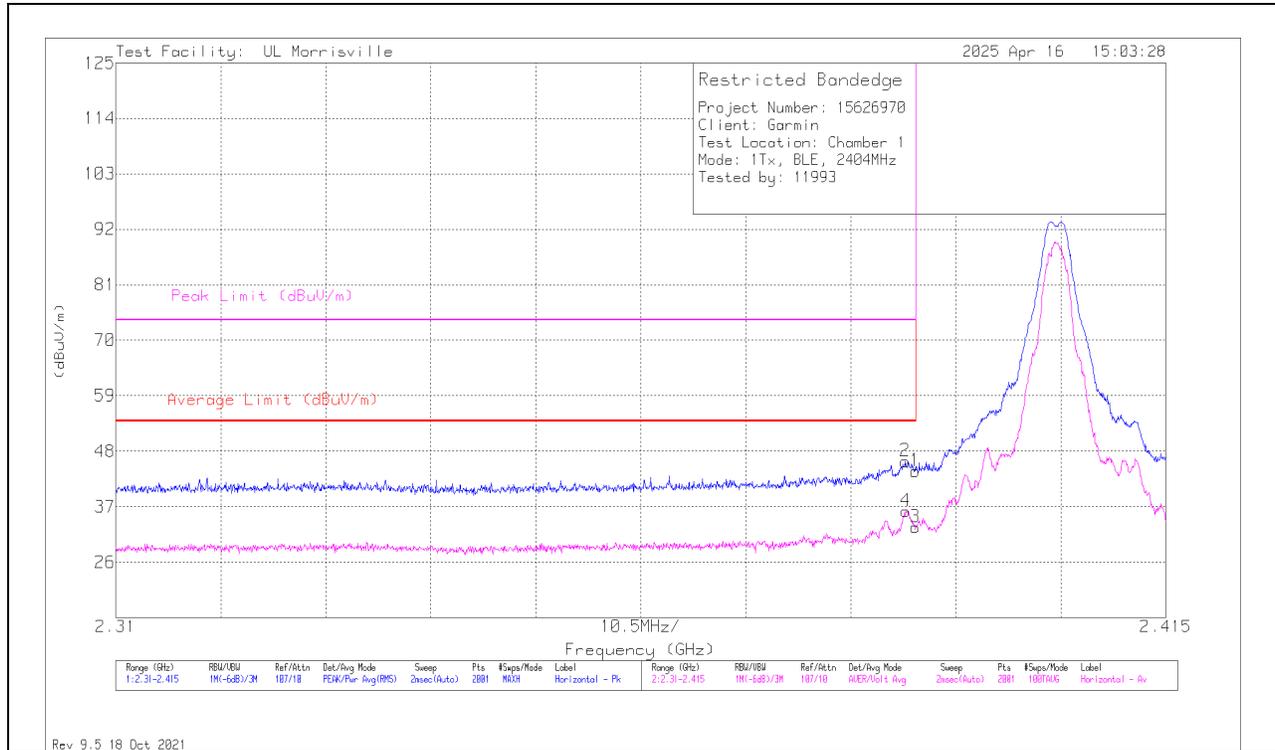
PK2 - KDB558074 Method: Maximum Peak

ADV - Linear Voltage Average

10.1.2. BLE (2Mbps)

BANDEDGE (2404 MHz LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	36.19	Pk	31.9	-24	44.09	-	-	74	-29.91	282	117	H
2	* ** 2.38891	38.04	Pk	31.9	-24	45.94	-	-	74	-28.06	282	117	H
3	* ** 2.38996	25.05	ADV	31.9	-24	32.95	54	-21.05	-	-	282	117	H
4	* ** 2.38901	28.22	ADV	31.9	-24	36.12	54	-17.88	-	-	282	117	H

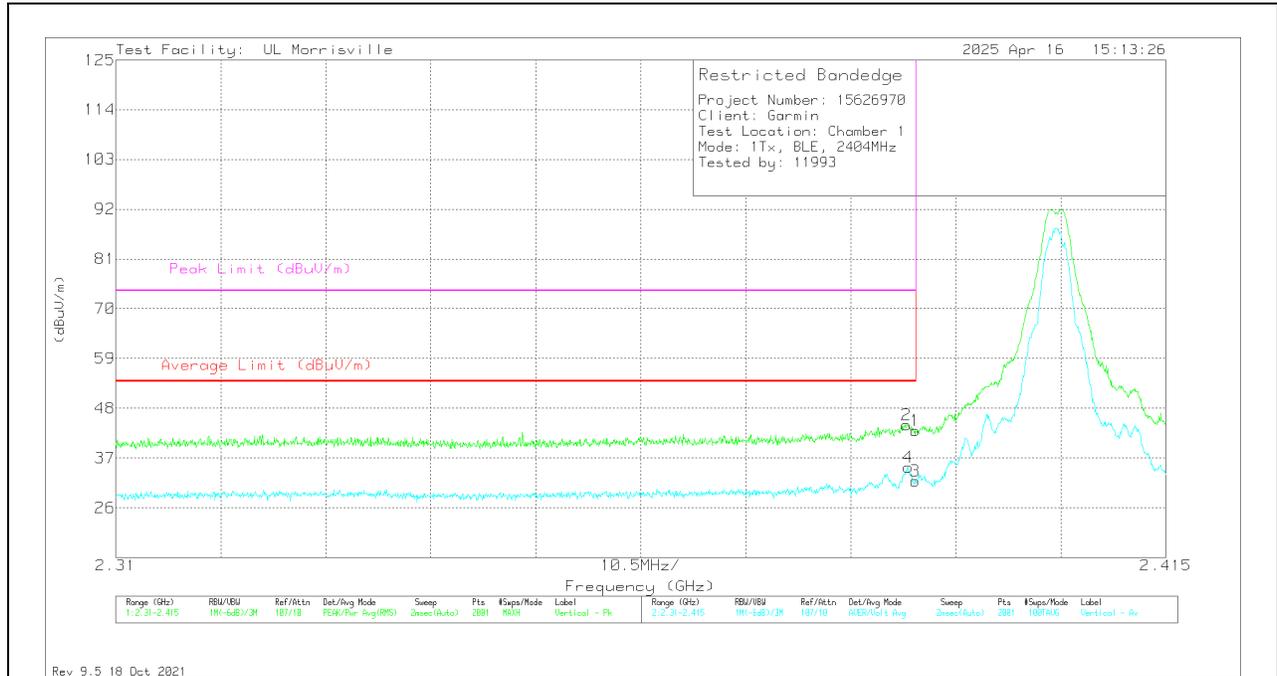
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

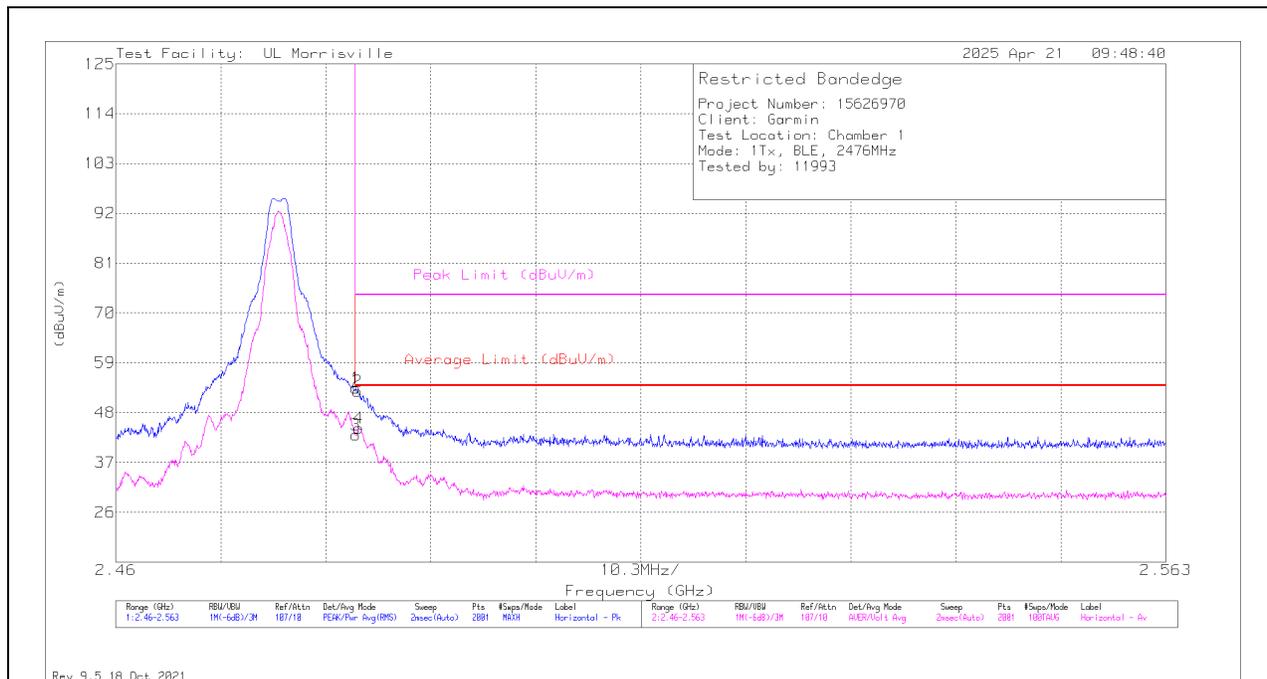


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	35.16	Pk	31.9	-24	43.06	-	-	74	-30.94	159	164	V
2	* ** 2.38907	36.45	Pk	31.9	-24	44.35	-	-	74	-29.65	159	164	V
3	* ** 2.38996	24.07	ADV	31.9	-24	31.97	54	-22.03	-	-	159	164	V
4	* ** 2.38922	27.1	ADV	31.9	-24	35	54	-19	-	-	159	164	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (2476 MHz HIGH CHANNEL)

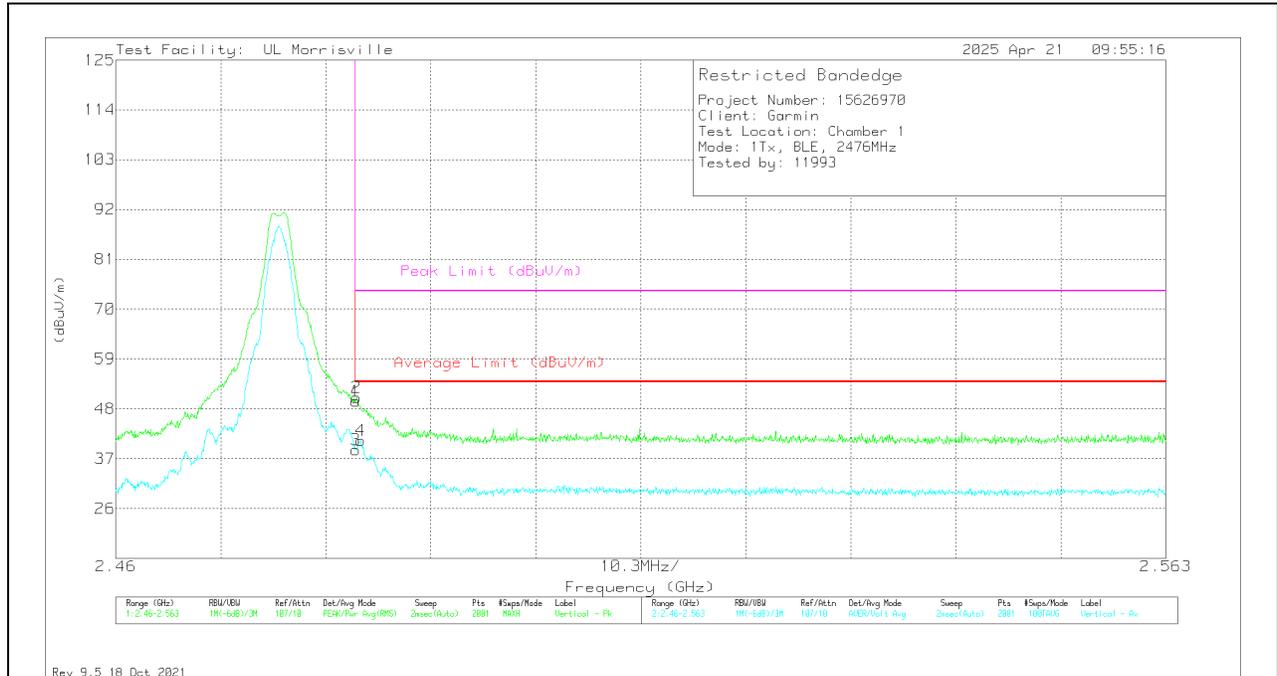
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	44.87	Pk	32.2	-23.7	53.37	-	-	74	-20.63	80	128	H
2	* ** 2.48374	44.19	Pk	32.2	-23.7	52.69	-	-	74	-21.31	80	128	H
3	* ** 2.48354	34.63	ADV	32.2	-23.7	43.13	54	-10.87	-	-	80	128	H
4	* ** 2.48384	36.11	ADV	32.2	-23.7	44.61	54	-9.39	-	-	80	128	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

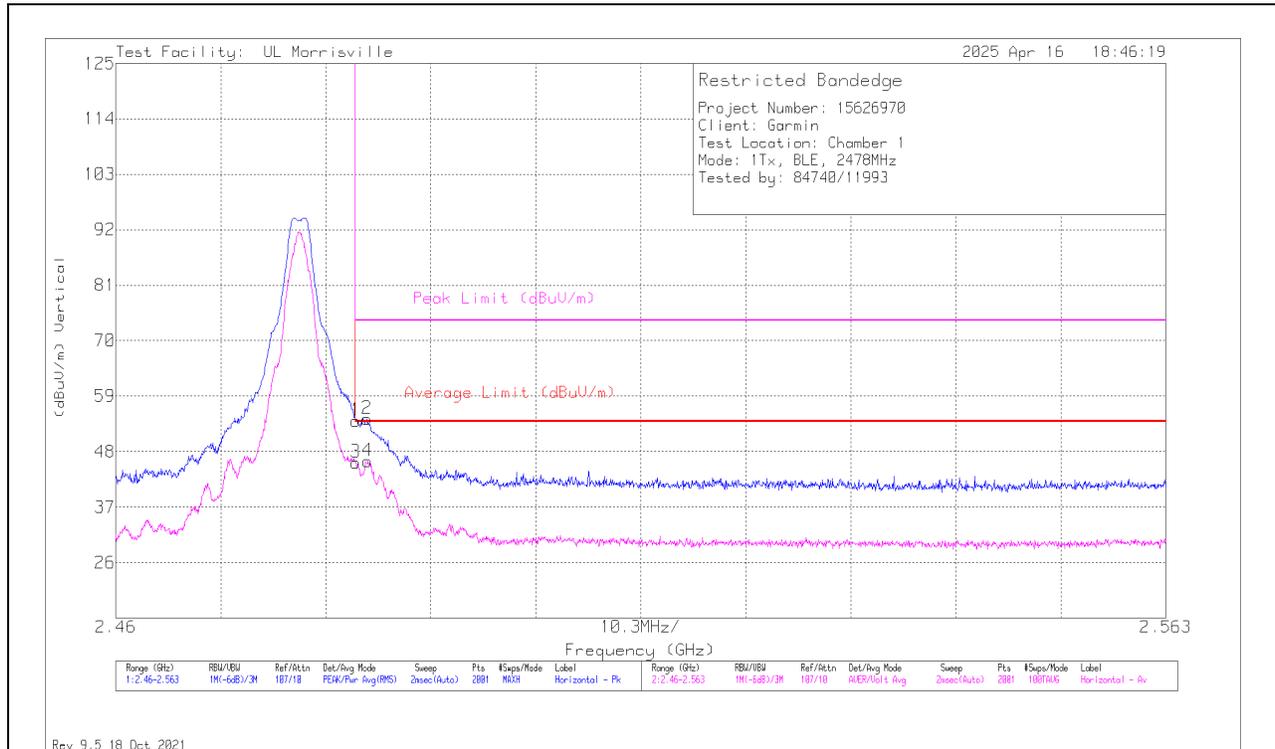


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	41.17	Pk	32.2	-23.7	49.67	-	-	74	-24.33	44	128	V
2	* ** 2.48359	41.99	Pk	32.2	-23.7	50.49	-	-	74	-23.51	44	128	V
3	* ** 2.48354	30.48	ADV	32.2	-23.7	38.98	54	-15.02	-	-	44	128	V
4	* ** 2.484	32.59	ADV	32.2	-23.8	40.99	54	-13.01	-	-	44	128	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (2478 MHz HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	45.64	Pk	32.2	-23.7	54.14	-	-	74	-19.86	258	111	H
2	*** 2.48462	46.16	Pk	32.2	-23.8	54.56	-	-	74	-19.44	258	111	H
3	* ** 2.48354	37.36	ADV	32.2	-23.7	45.86	54	-8.14	-	-	258	111	H
4	* ** 2.48472	37.73	ADV	32.2	-23.8	46.13	54	-7.87	-	-	258	111	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average