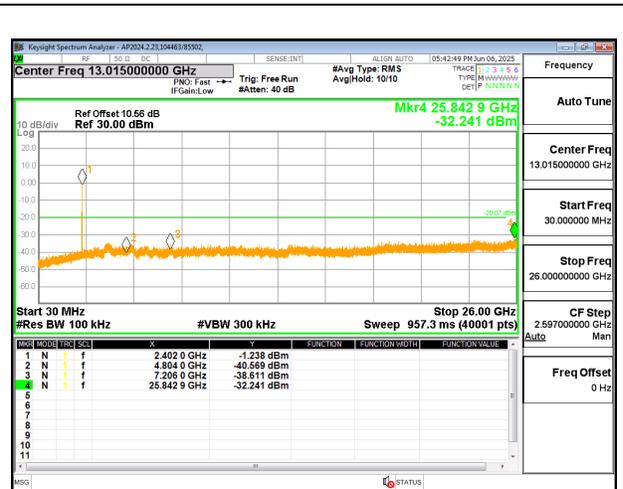


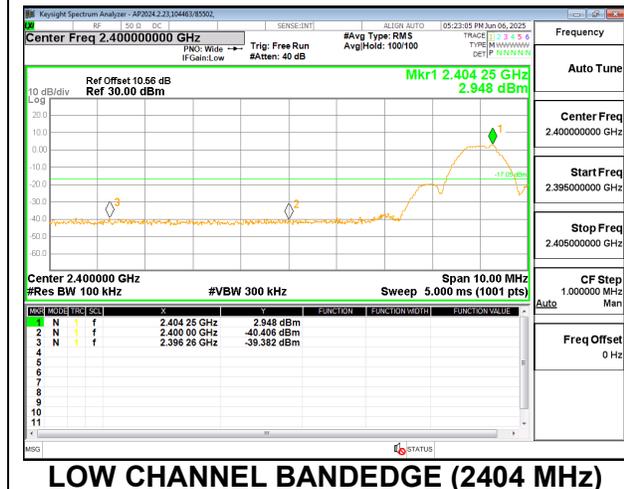
### 9.7.6. ANT



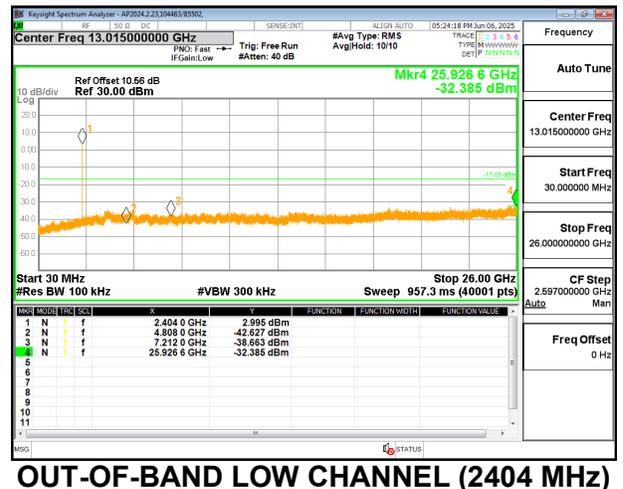
**LOW CHANNEL BANDEDGE (2402 MHz)**



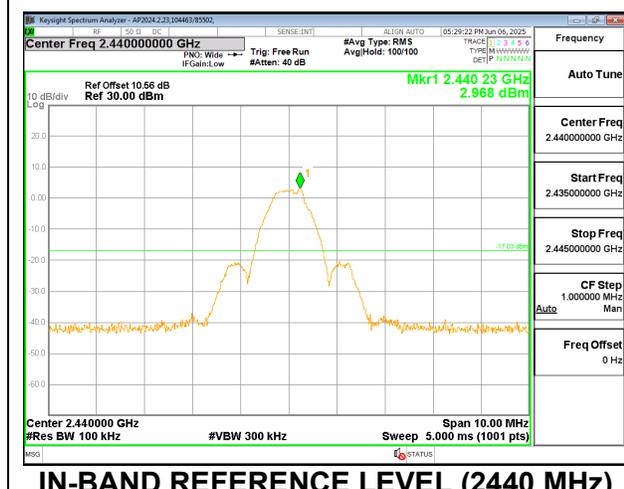
**OUT-OF-BAND LOW CHANNEL (2402 MHz)**



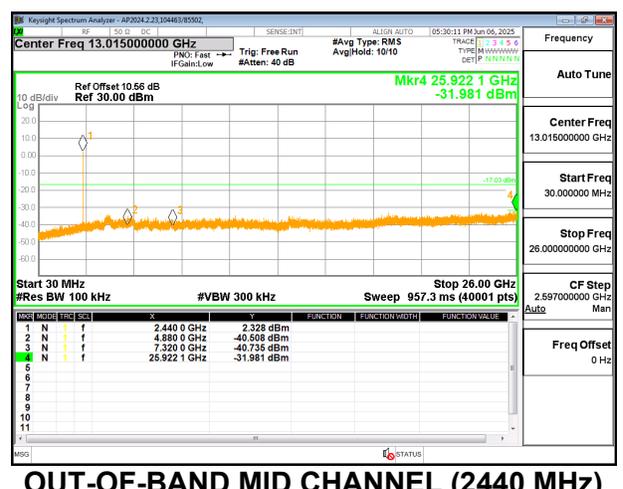
**LOW CHANNEL BANDEDGE (2404 MHz)**



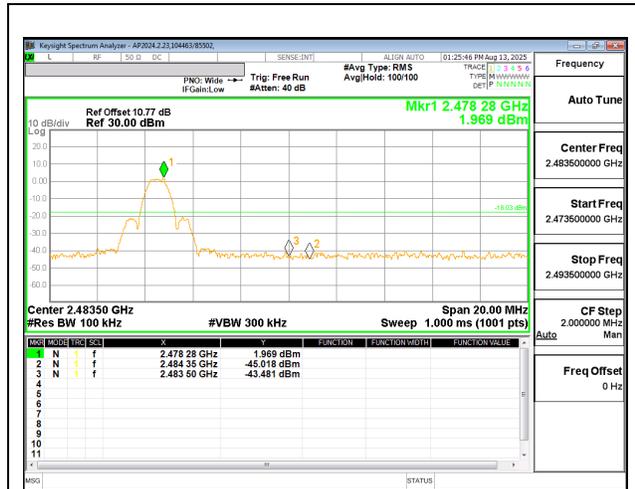
**OUT-OF-BAND LOW CHANNEL (2404 MHz)**



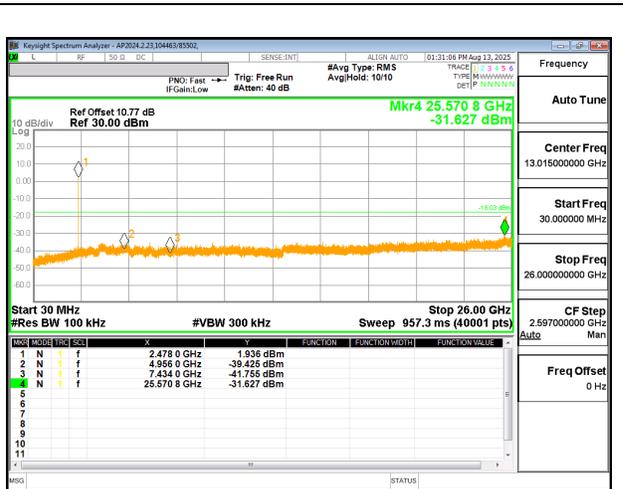
**IN-BAND REFERENCE LEVEL (2440 MHz)**



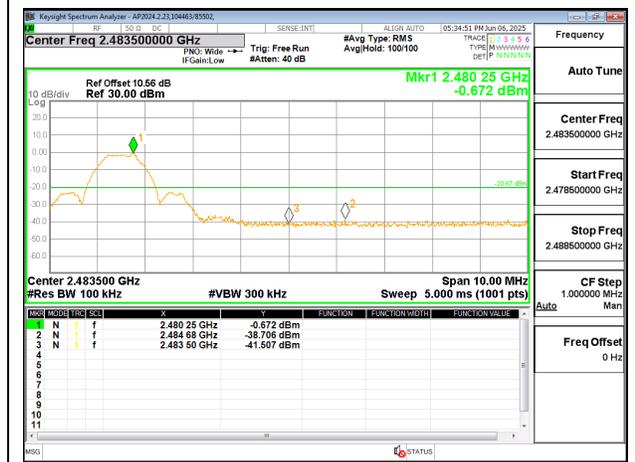
**OUT-OF-BAND MID CHANNEL (2440 MHz)**



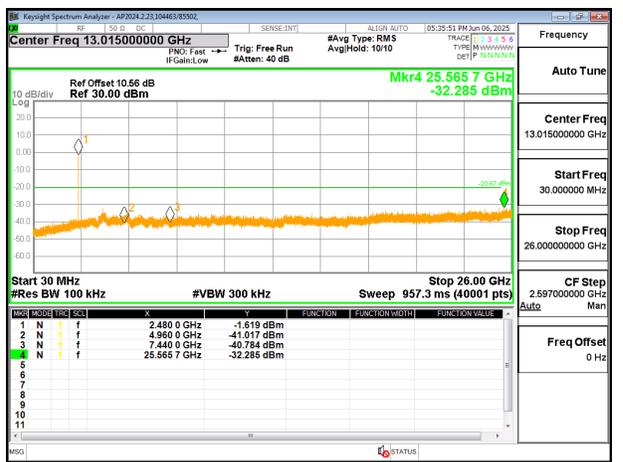
**HIGH CHANNEL BANDEDGE (2478 MHz)**



**OUT-OF-BAND HIGH CHANNEL (2478 MHz)**



**HIGH CHANNEL 39 BANDEDGE (2480 MHz)**



**OUT-OF-BAND HIGH CHANNEL (2480 MHz)**

## 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

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 3 MHz for peak measurements.

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

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to 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**

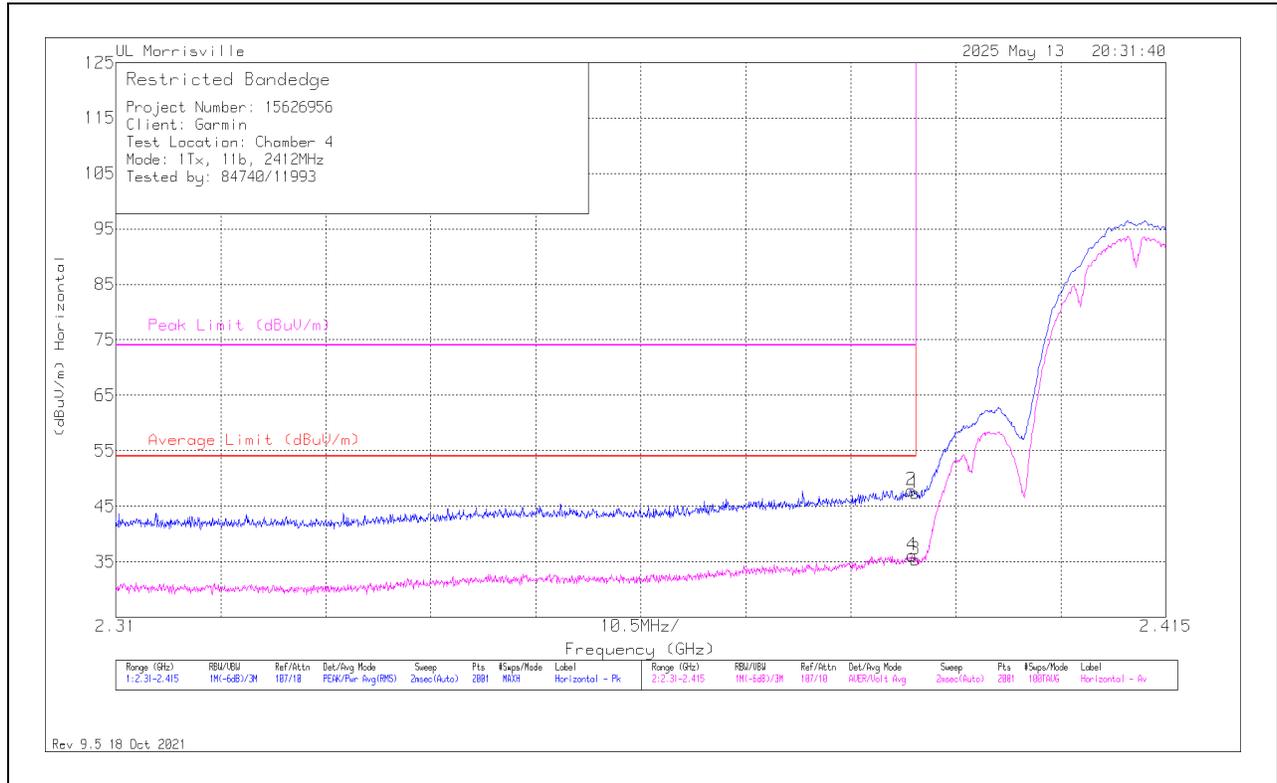
OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

### 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, CH 1)

#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	38.62	Pk	32	-23.2	47.42	-	-	74	-26.58	339	115	H
2	* ** 2.38954	39.14	Pk	32	-23.2	47.94	-	-	74	-26.06	339	115	H
3	* ** 2.38996	26.62	ADV	32	-23.2	35.42	54	-18.58	-	-	339	115	H
4	* ** 2.38959	27.38	ADV	32	-23.2	36.18	54	-17.82	-	-	339	115	H

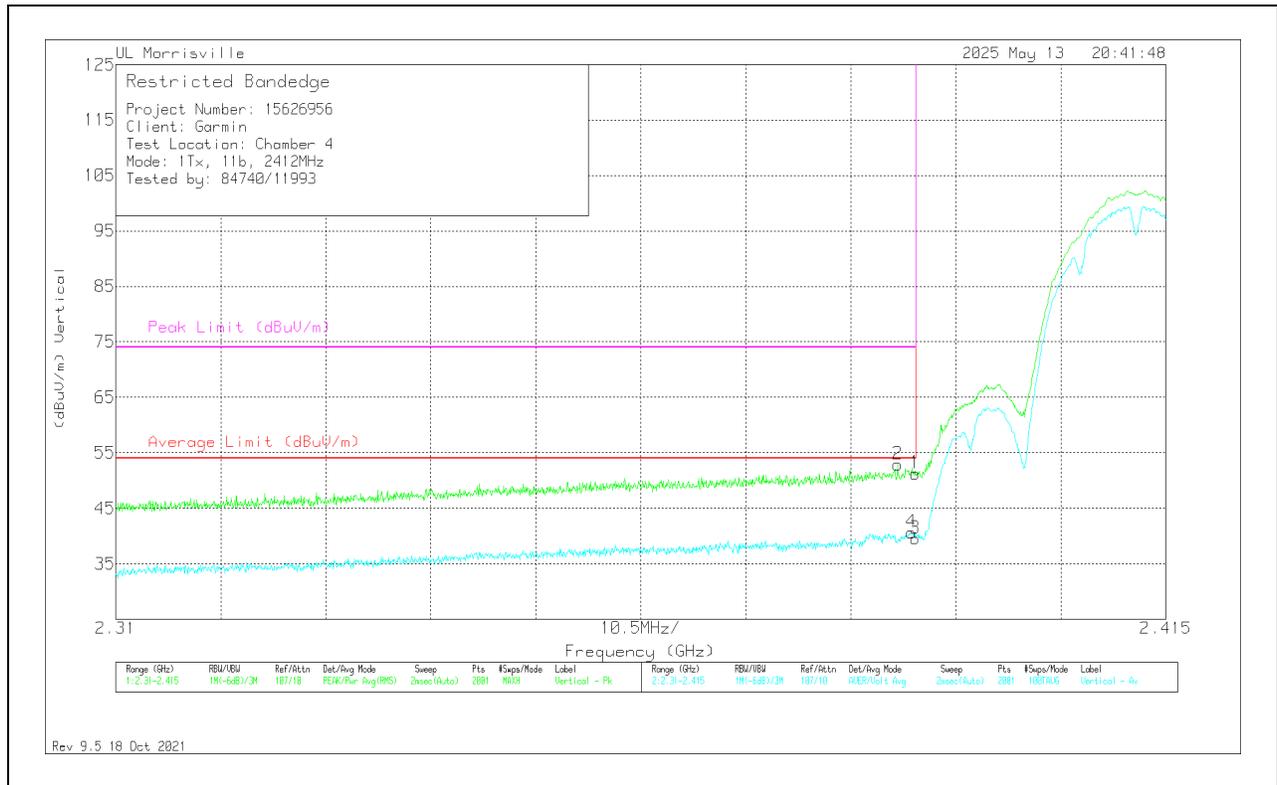
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

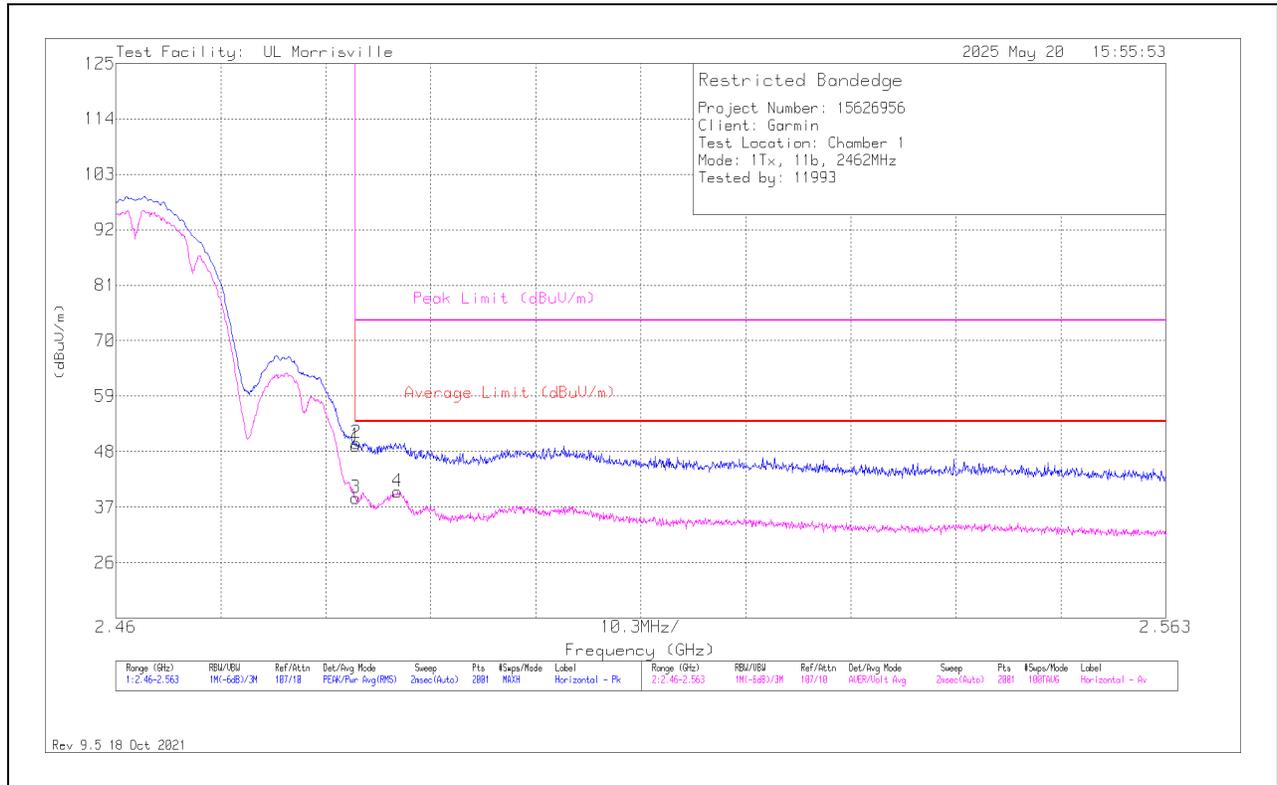


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	42.48	Pk	32	-23.2	51.28	-	-	74	-22.72	27	103	V
2	* ** 2.38817	44.08	Pk	32	-23.2	52.88	-	-	74	-21.12	27	103	V
3	* ** 2.38996	30.77	ADV	32	-23.2	39.57	54	-14.43	-	-	27	103	V
4	* ** 2.38954	31.84	ADV	32	-23.2	40.64	54	-13.36	-	-	27	103	V

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

**BANDEDGE (HIGH CHANNEL, CH 11)**

**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	40.61	Pk	32.2	-23.7	49.11	-	-	74	-24.89	282	144	H
2	* ** 2.48359	41.18	Pk	32.2	-23.7	49.68	-	-	74	-24.32	282	144	H
3	* ** 2.48354	30.26	ADV	32.2	-23.7	38.76	54	-15.24	-	-	282	144	H
4	* ** 2.48766	31.82	ADV	32.2	-24	40.02	54	-13.98	-	-	282	144	H

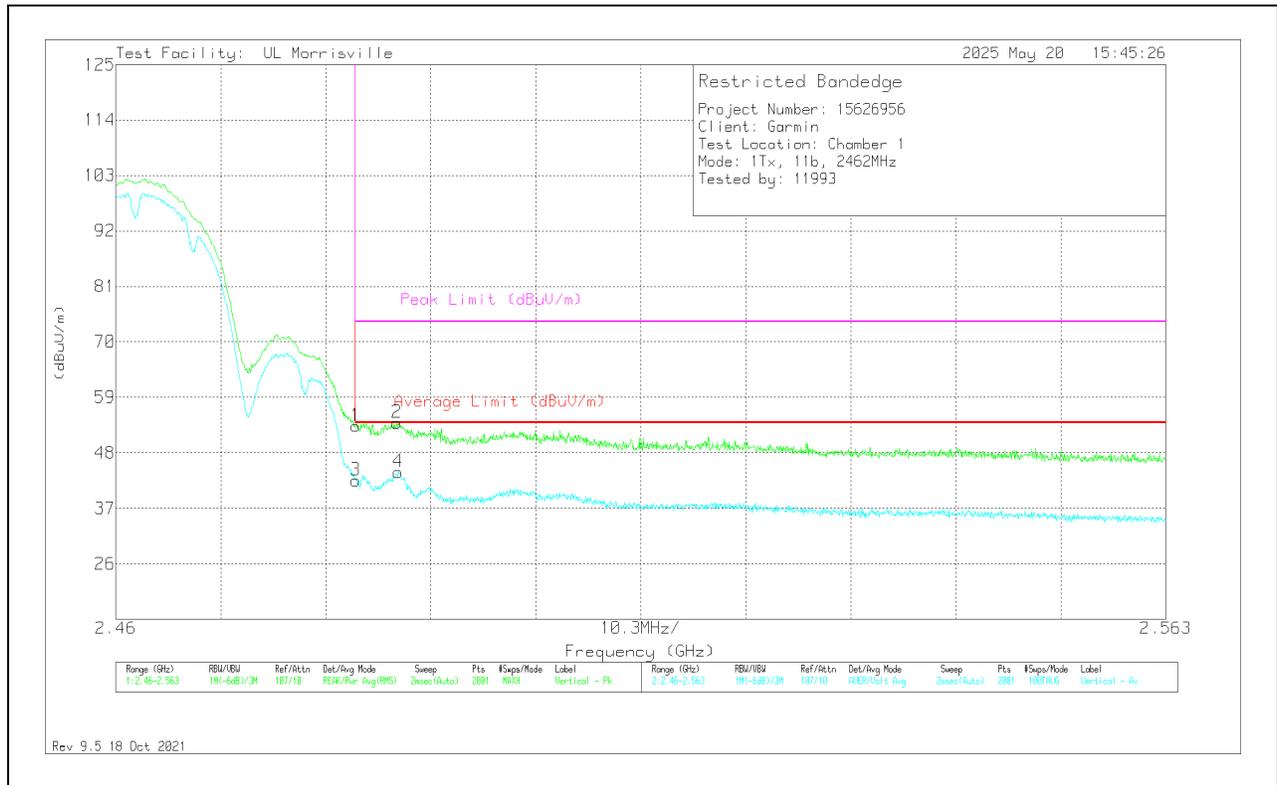
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

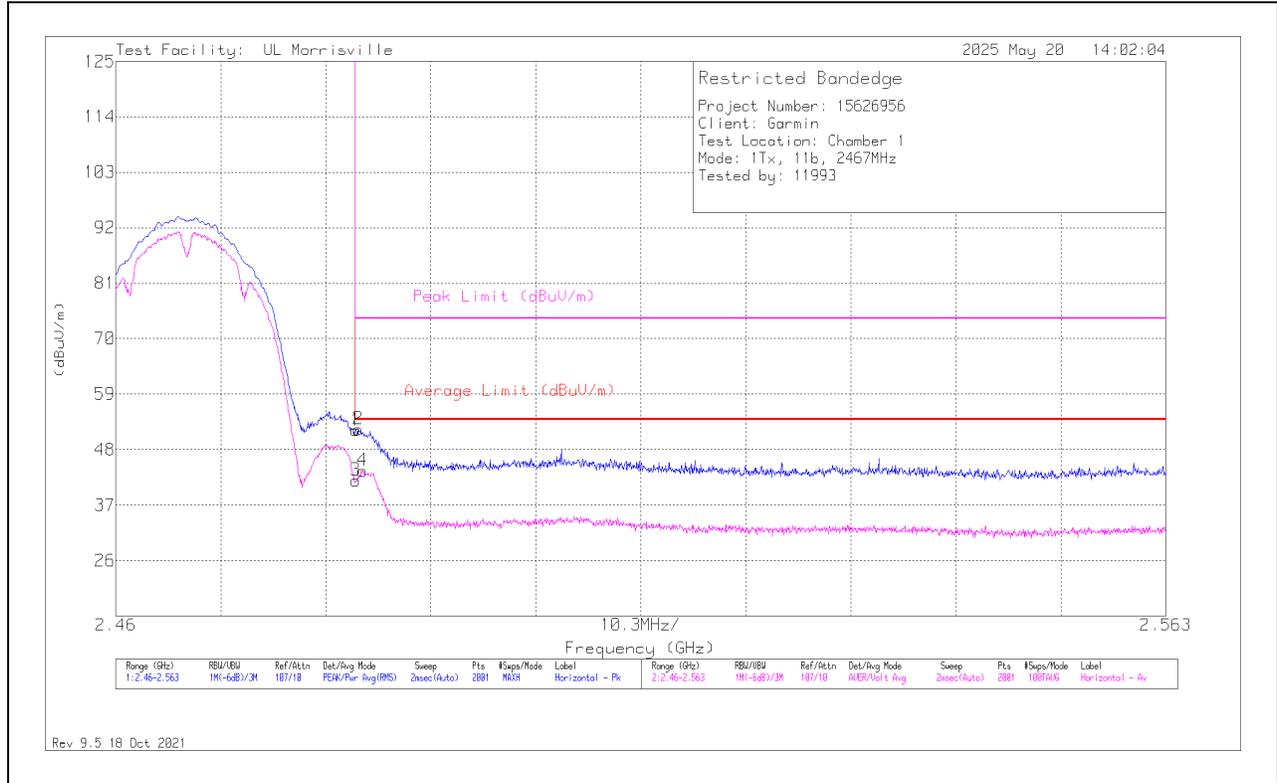


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	44.83	Pk	32.2	-23.7	53.33	-	-	74	-20.67	157	238	V
2	* ** 2.48755	45.81	Pk	32.2	-24	54.01	-	-	74	-19.99	157	238	V
3	* ** 2.48354	34	ADV	32.2	-23.7	42.5	54	-11.5	-	-	157	238	V
4	* ** 2.48771	35.93	ADV	32.2	-24	44.13	54	-9.87	-	-	157	238	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, CH 12)**

**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	43.32	Pk	32.2	-23.7	51.82	-	-	74	-22.18	269	139	H
2	** 2.48379	43.49	Pk	32.2	-23.7	51.99	-	-	74	-22.01	269	139	H
3	*** 2.48354	33.32	ADV	32.2	-23.7	41.82	54	-12.18	-	-	269	139	H
4	*** 2.48421	35.42	ADV	32.2	-23.8	43.82	54	-10.18	-	-	269	139	H

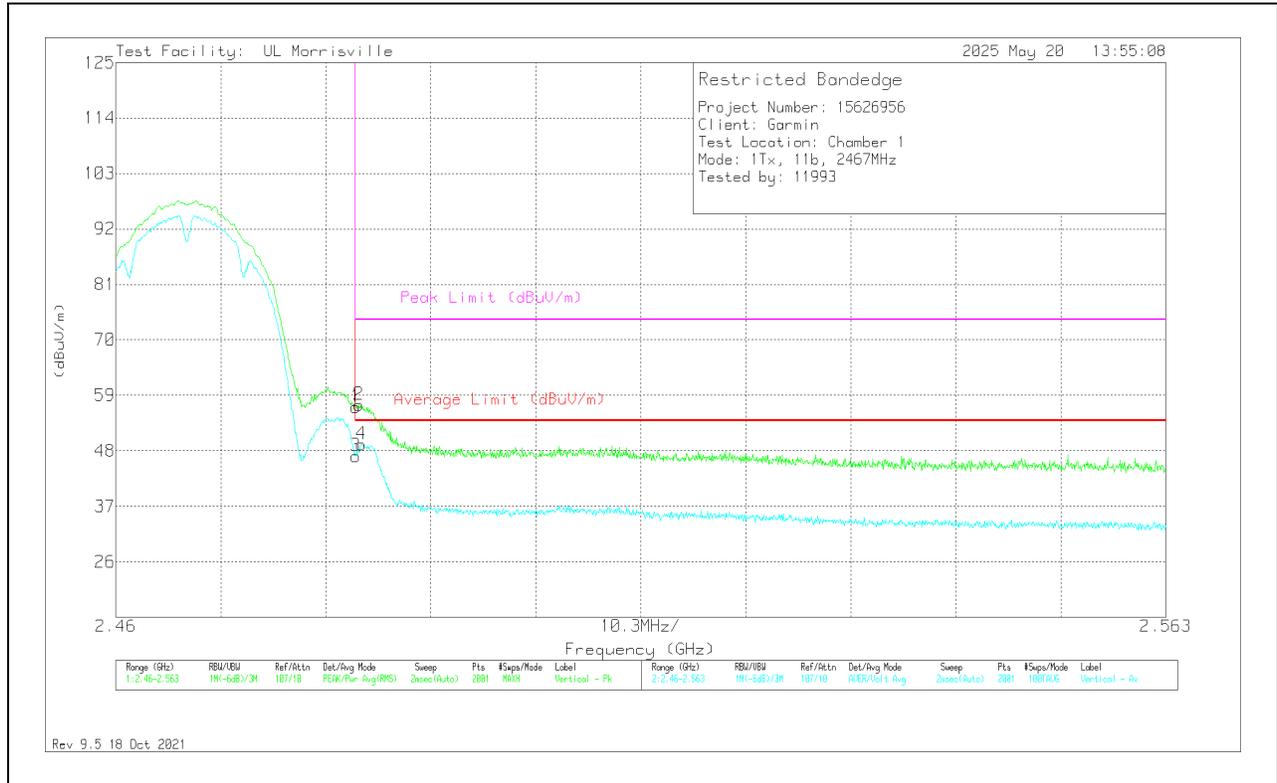
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

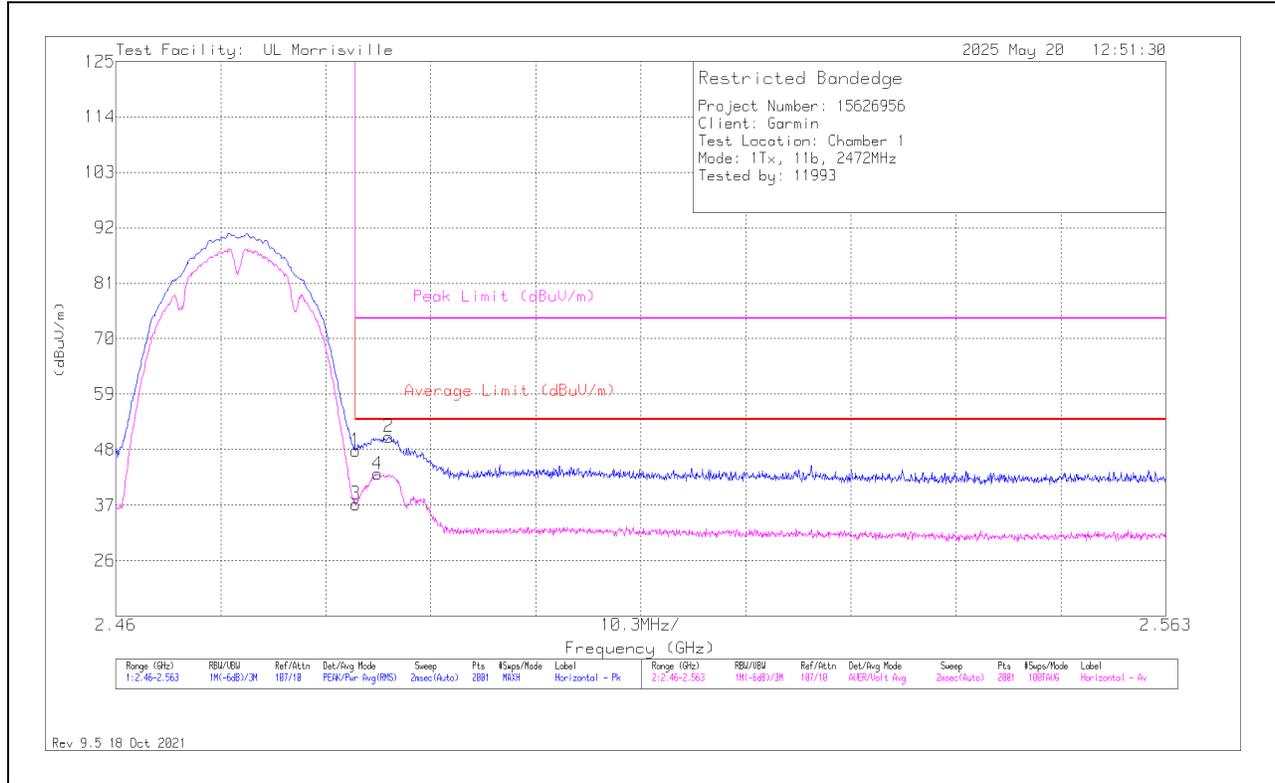


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	48.19	Pk	32.2	-23.7	56.69	-	-	74	-17.31	351	130	V
2	* ** 2.48384	48.61	Pk	32.2	-23.7	57.11	-	-	74	-16.89	351	130	V
3	* ** 2.48354	38.46	ADV	32.2	-23.7	46.96	54	-7.04	-	-	351	130	V
4	* ** 2.4841	40.84	ADV	32.2	-23.8	49.24	54	-4.76	-	-	351	130	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, CH 13)**

**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	39.24	Pk	32.2	-23.7	47.74	-	-	74	-26.26	277	118	H
2	* ** 2.48678	42.23	Pk	32.2	-23.9	50.53	-	-	74	-23.47	277	118	H
3	* ** 2.48354	28.71	ADV	32.2	-23.7	37.21	54	-16.79	-	-	277	118	H
4	* ** 2.4857	34.85	ADV	32.2	-23.9	43.15	54	-10.85	-	-	277	118	H

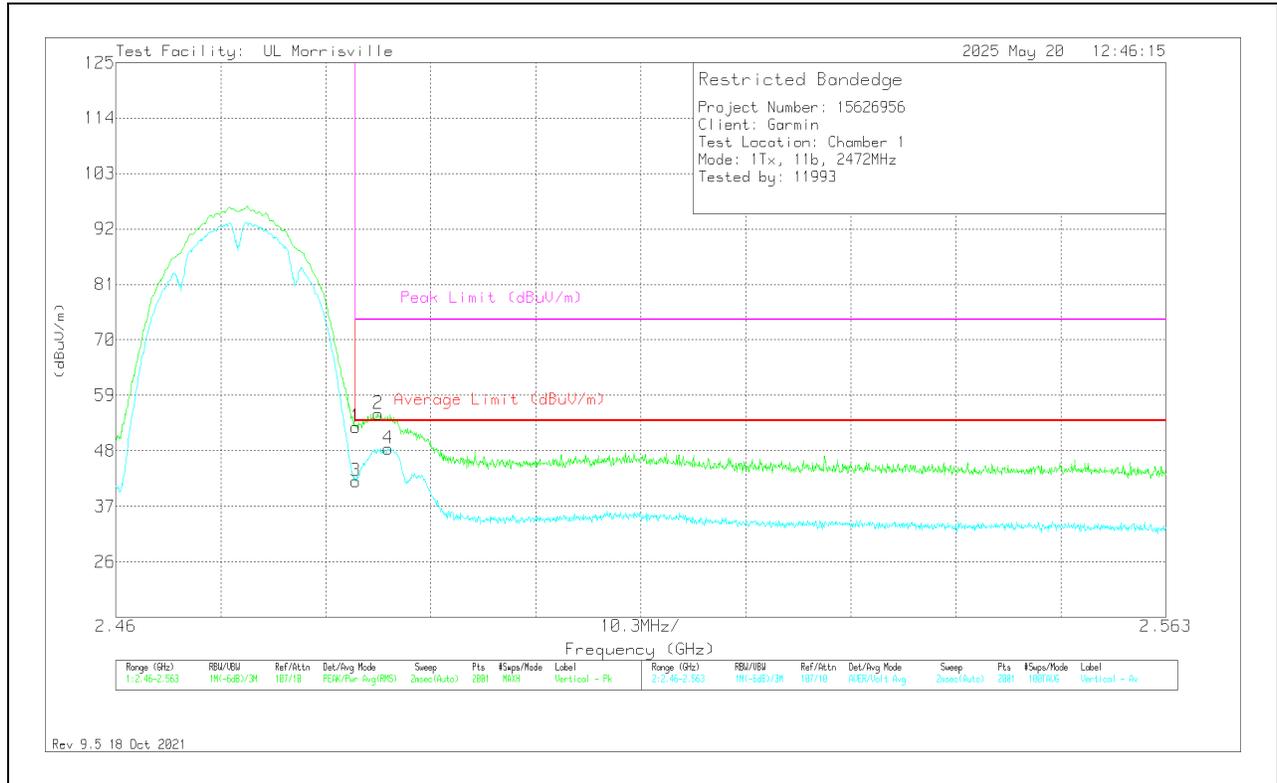
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

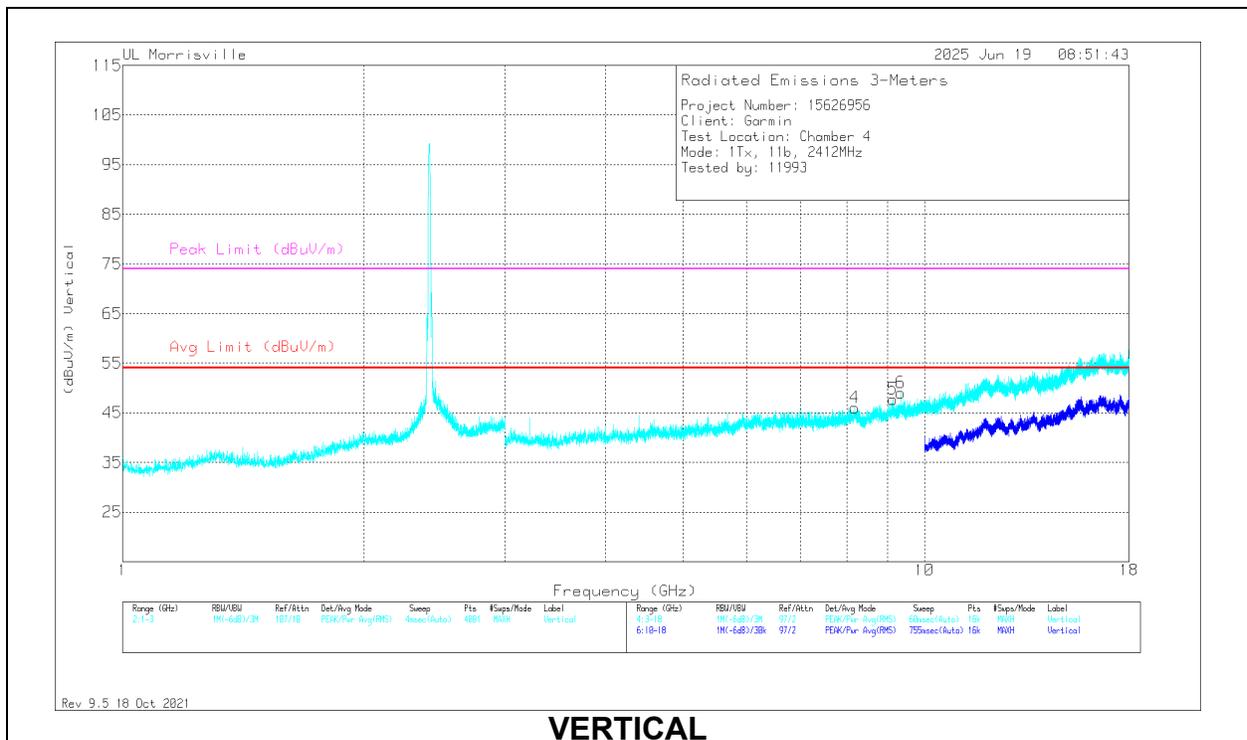
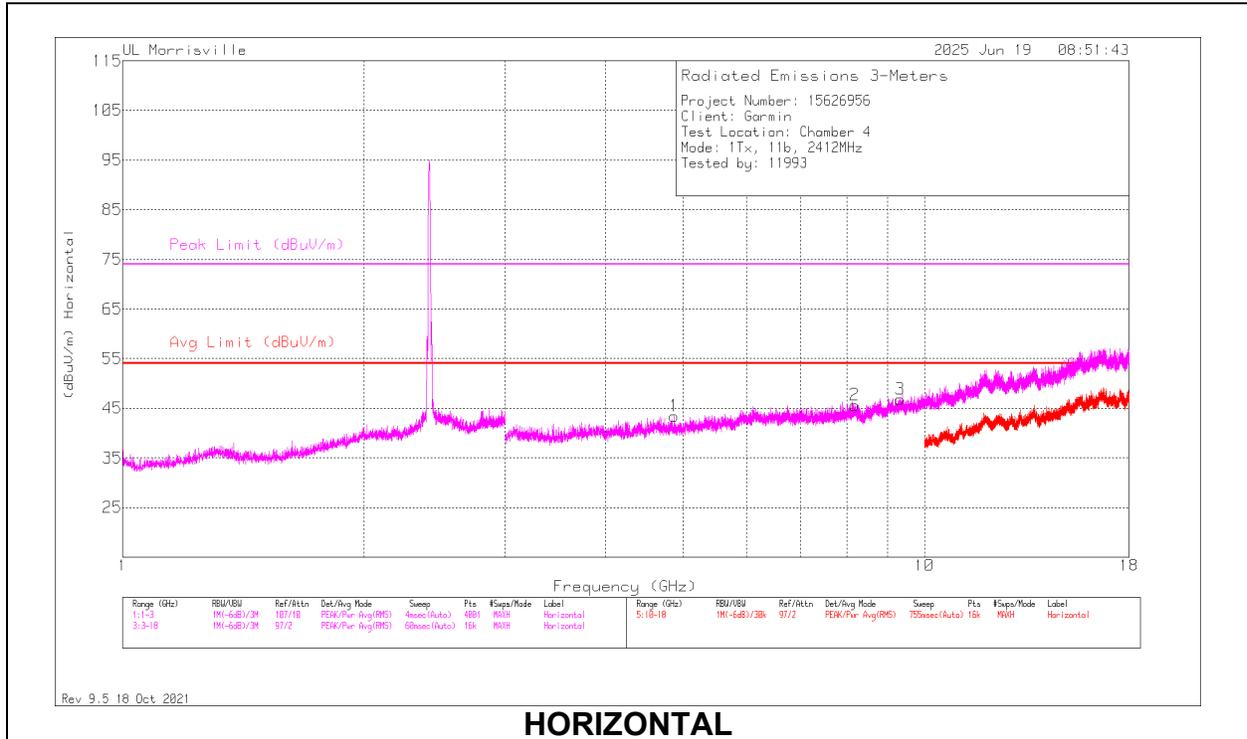


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	44.18	Pk	32.2	-23.7	52.68	-	-	74	-21.32	5	125	V
2	*** 2.48575	47.08	Pk	32.2	-23.9	55.38	-	-	74	-18.62	5	125	V
3	*** 2.48354	33.52	ADV	32.2	-23.7	42.02	54	-11.98	-	-	5	125	V
4	*** 2.48673	40.12	ADV	32.2	-23.9	48.42	54	-5.58	-	-	5	125	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, CH 1 RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (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	*** 4.87406	40.66	Pk	33.9	-31.2	43.36	54	-10.64	74	-30.64	0-360	100	H
2	*** 8.19	36.12	Pk	35.7	-26.2	45.62	54	-8.38	74	-28.38	0-360	100	H
3	*** 9.32344	34.92	Pk	36.3	-24.4	46.82	54	-7.18	74	-27.18	0-360	100	H
4	*** 8.19094	36.56	Pk	35.7	-26.2	46.06	54	-7.94	74	-27.94	0-360	200	V
5	*** 9.13219	36.38	Pk	36.1	-24.8	47.68	54	-6.32	74	-26.32	0-360	200	V
6	*** 9.3371	36.43	PK2	36.4	-24.2	48.63	-	-	74	-25.37	357	270	V
	*** 9.33954	24.2	ADV	36.4	-24.2	36.4	54	-17.6	-	-	357	270	V

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

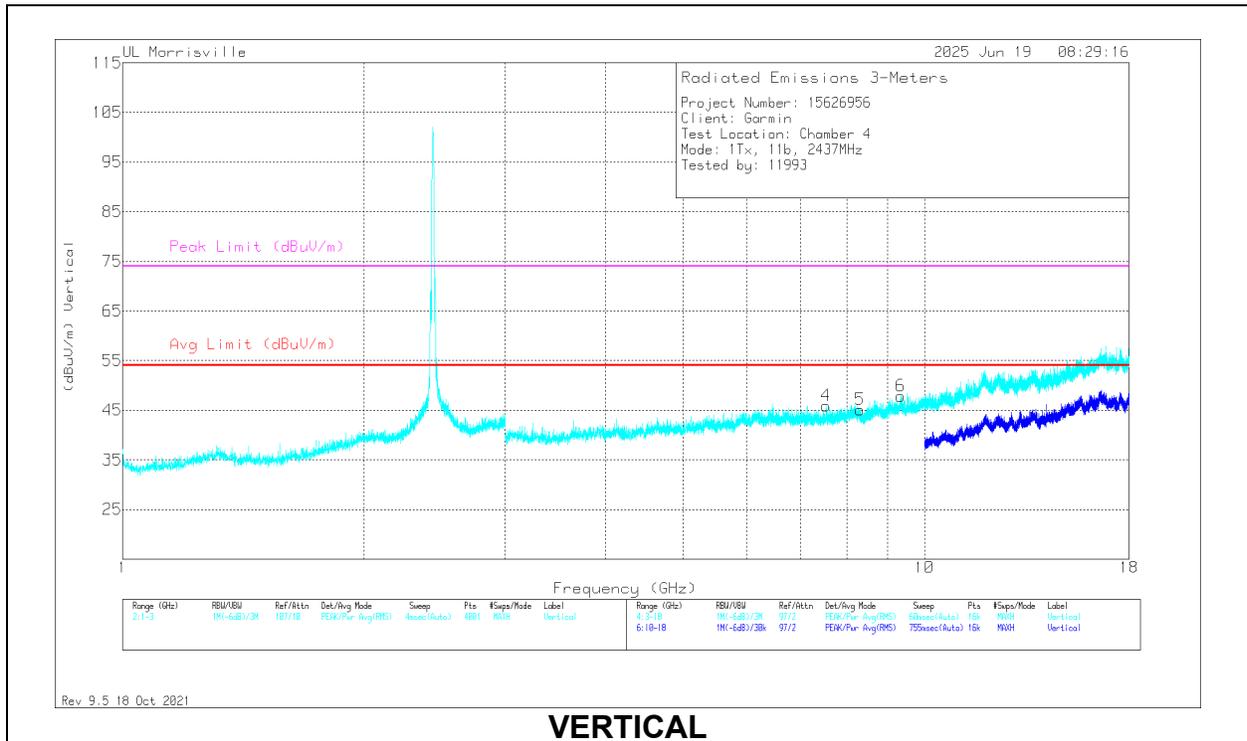
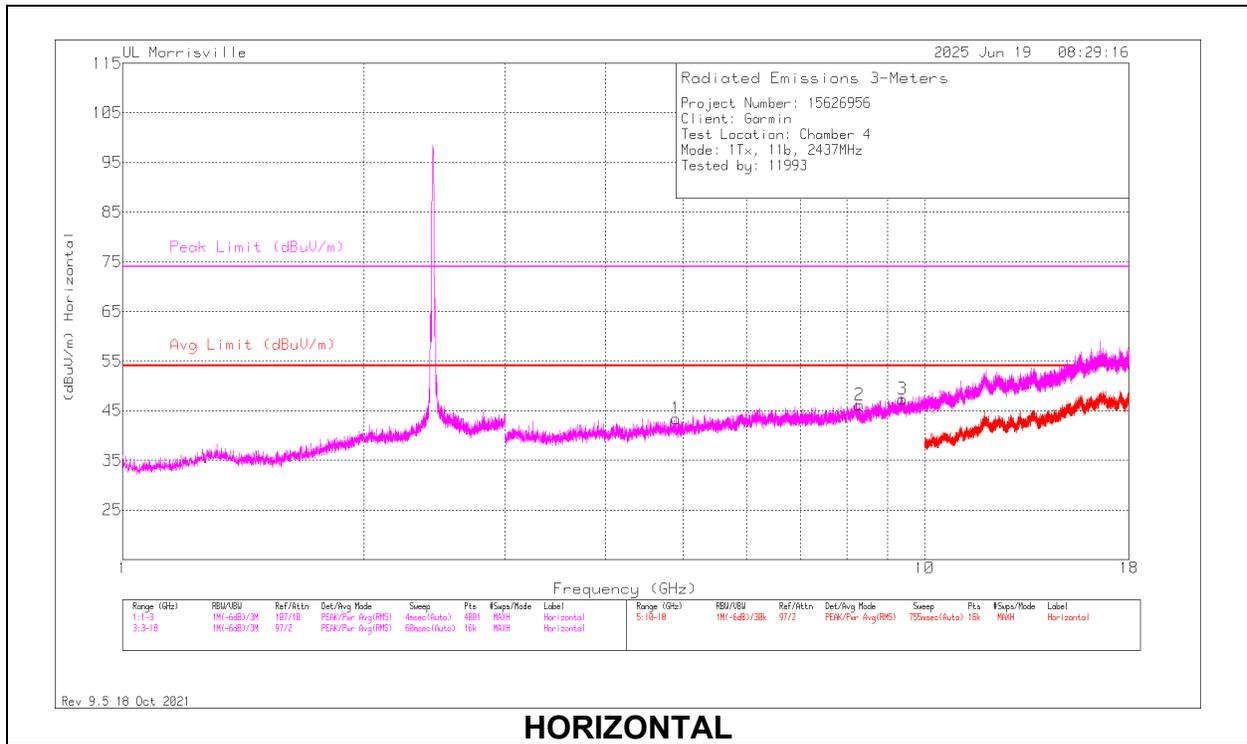
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

### MID CHANNEL, CH 6 RESULTS



**RADIATED EMISSIONS**

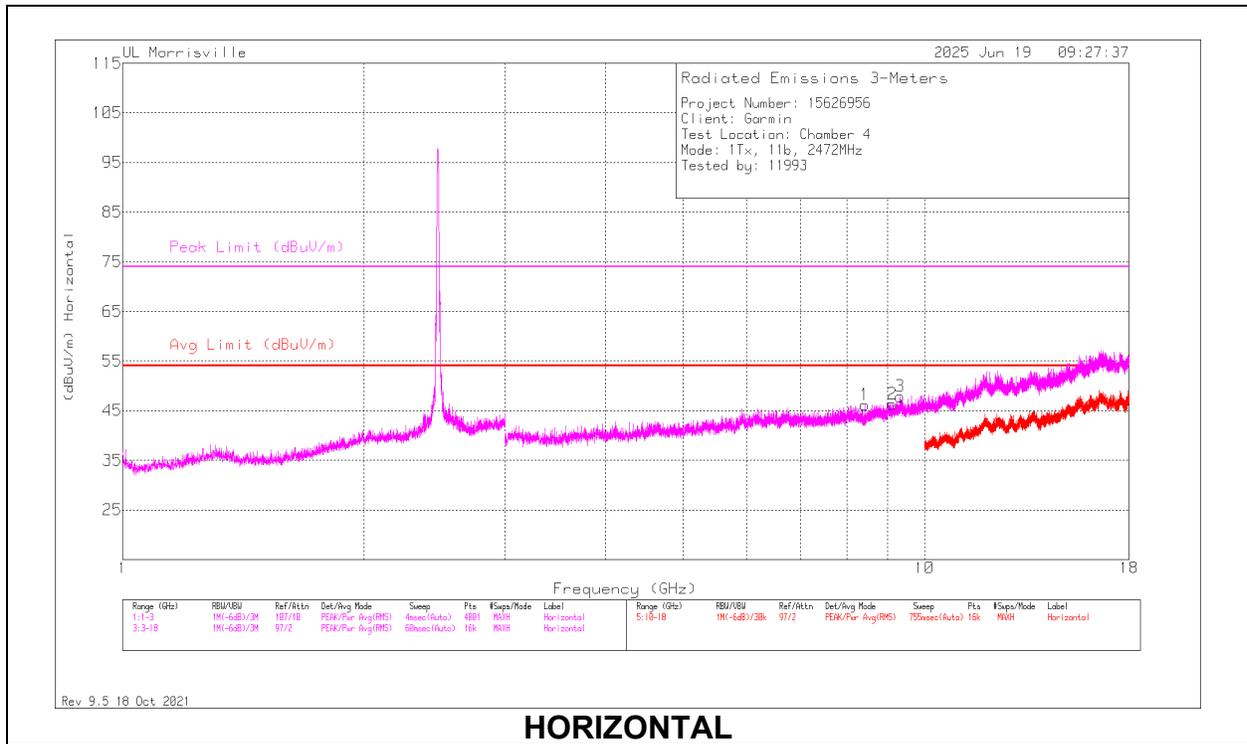
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.89563	40.53	Pk	33.8	-30.9	43.43	54	-10.57	74	-30.57	0-360	100	H
2	*** 8.29406	36.7	Pk	35.7	-26.3	46.1	54	-7.9	74	-27.9	0-360	100	H
3	*** 9.39656	35.68	Pk	36.5	-24.8	47.38	54	-6.62	74	-26.62	0-360	100	H
4	*** 7.53469	37.82	Pk	35.5	-27.4	45.92	54	-8.08	74	-28.08	0-360	200	V
5	*** 8.31563	35.71	Pk	35.7	-26.3	45.11	54	-8.89	74	-28.89	0-360	200	V
6	*** 9.34031	35.69	Pk	36.4	-24.2	47.89	54	-6.11	74	-26.11	0-360	200	V

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

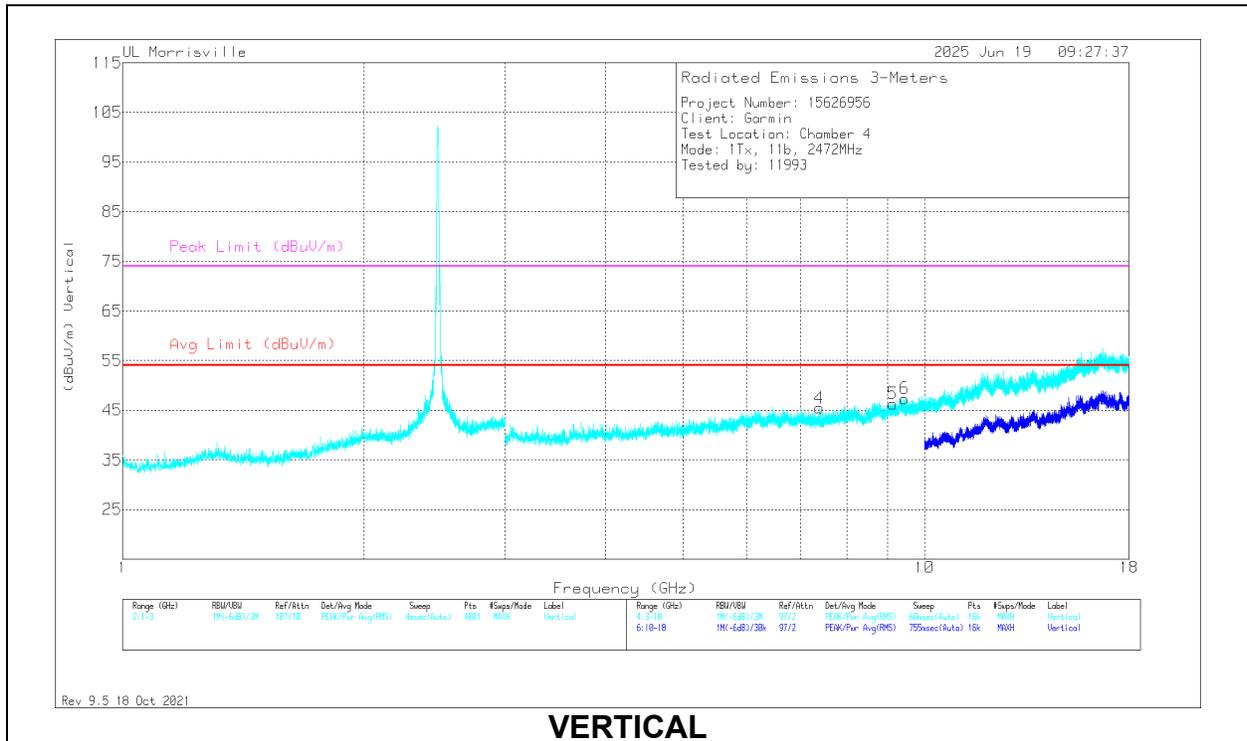
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

### HIGH CHANNEL, CH 13 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 8.42344	36.64	Pk	35.7	-26.2	46.14	54	-7.86	74	-27.86	0-360	100	H
2	** 9.12	34.86	Pk	36.1	-24.7	46.26	54	-7.74	74	-27.74	0-360	100	H
3	*** 9.33094	35.5	Pk	36.4	-24.1	47.8	54	-6.2	74	-26.2	0-360	100	H
4	*** 7.4025	37.53	Pk	35.5	-27.6	45.43	54	-8.57	74	-28.57	0-360	200	V
5	*** 9.13406	34.99	Pk	36.1	-24.8	46.29	54	-7.71	74	-27.71	0-360	200	V
6	*** 9.44719	35.88	Pk	36.5	-25	47.38	54	-6.62	74	-26.62	0-360	200	V

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

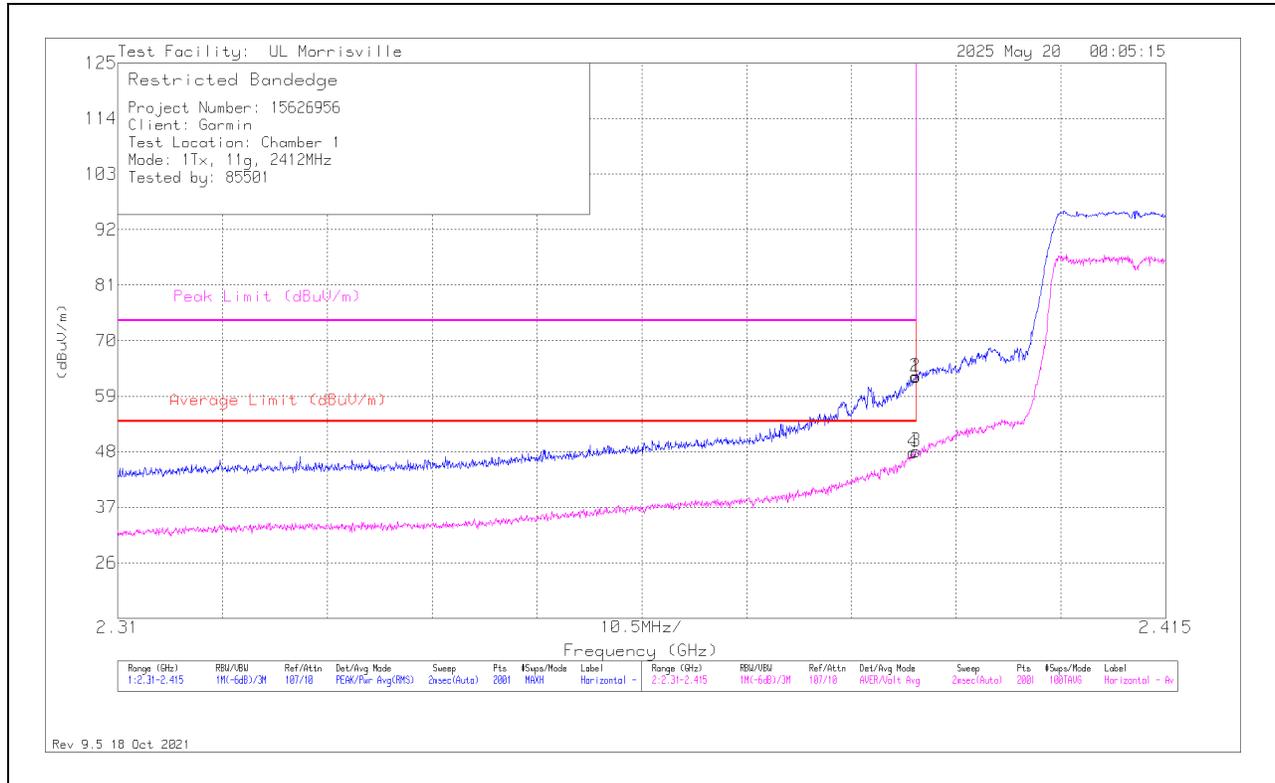
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

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

#### BANDEDGE (LOW CHANNEL, CH 1)

#### 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	54.89	Pk	31.9	-24	62.79	-	-	74	-11.21	227	256	H
2	*** 2.38991	55.02	Pk	31.9	-24	62.92	-	-	74	-11.08	227	256	H
3	*** 2.38996	40.19	ADV	31.9	-24	48.09	54	-5.91	-	-	227	255	H
4	*** 2.38964	39.95	ADV	31.9	-24	47.85	54	-6.15	-	-	227	255	H

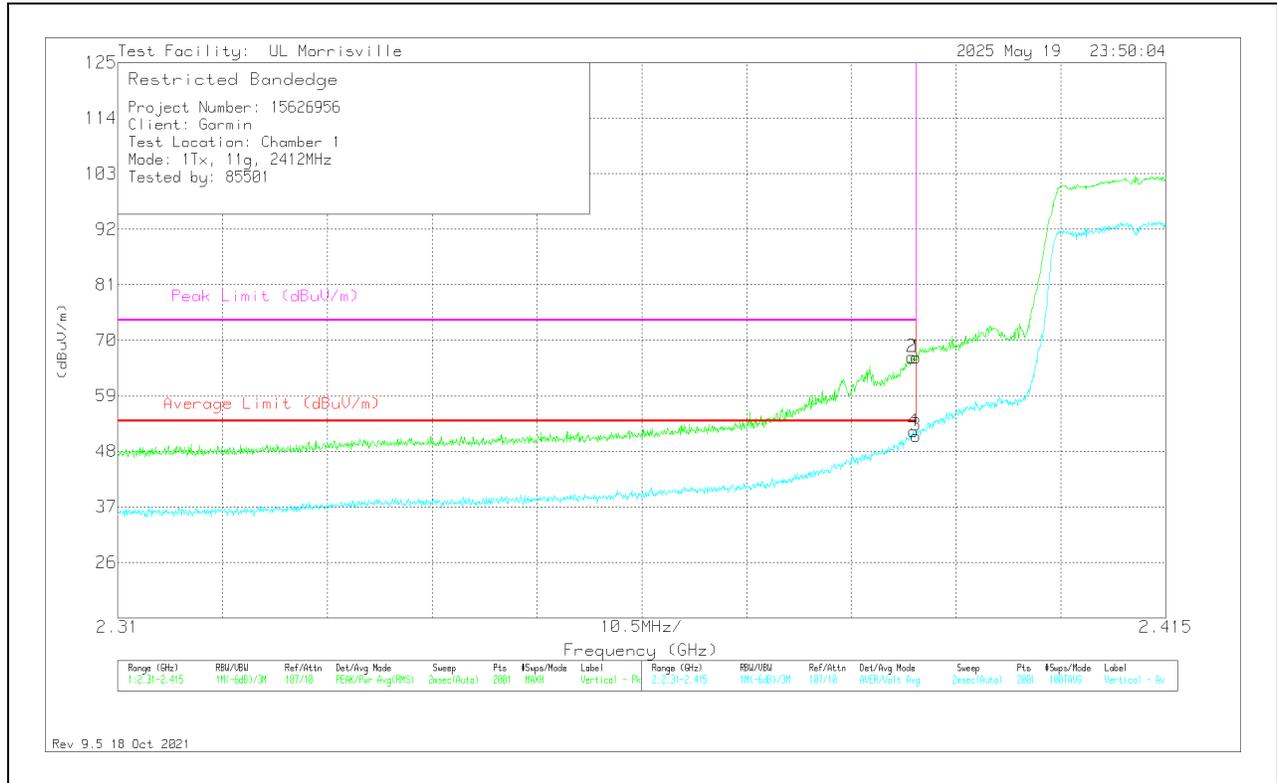
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

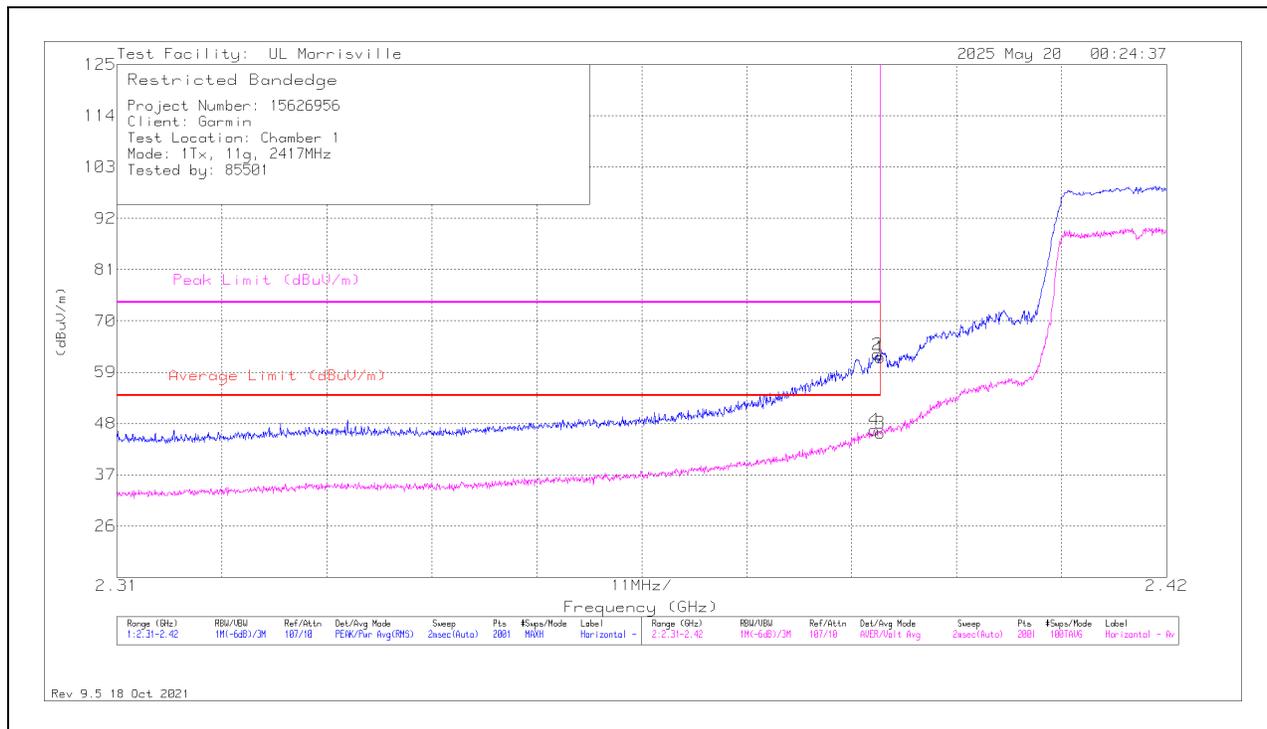


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	58.7	Pk	31.9	-24	66.6	-	-	74	-7.4	283	285	V
2	*** 2.38954	58.76	Pk	31.9	-24	66.66	-	-	74	-7.34	283	285	V
3	*** 2.38996	43.19	ADV	31.9	-24	51.09	54	-2.91	-	-	283	285	V
4	*** 2.38975	44.03	ADV	31.9	-24	51.93	54	-2.07	-	-	283	285	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, CH 2)

### 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	*** 2.38997	54.32	Pk	31.9	-24	62.22	-	-	74	-11.78	254	317	H
2	*** 2.3897	54.89	Pk	31.9	-24	62.79	-	-	74	-11.21	254	317	H
3	*** 2.38997	38.08	ADV	31.9	-24	45.98	54	-8.02	-	-	254	317	H
4	*** 2.38937	38.74	ADV	31.9	-24	46.64	54	-7.36	-	-	254	317	H

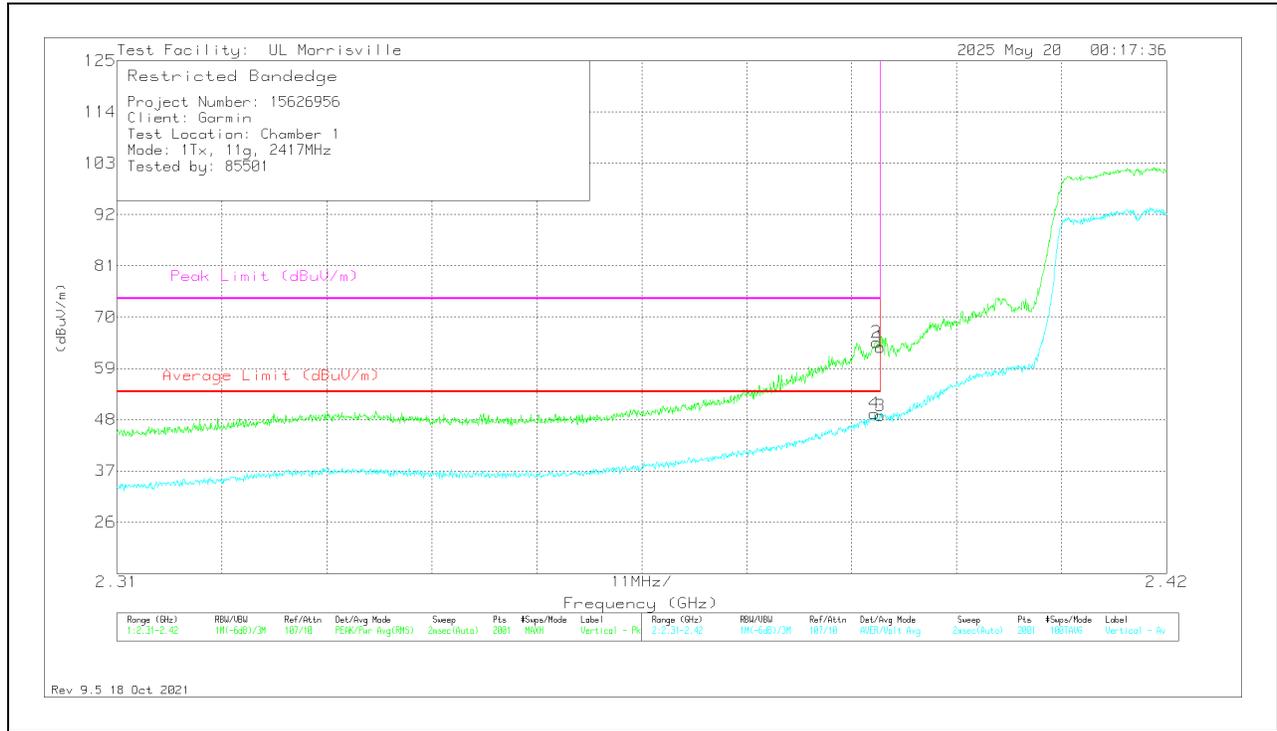
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

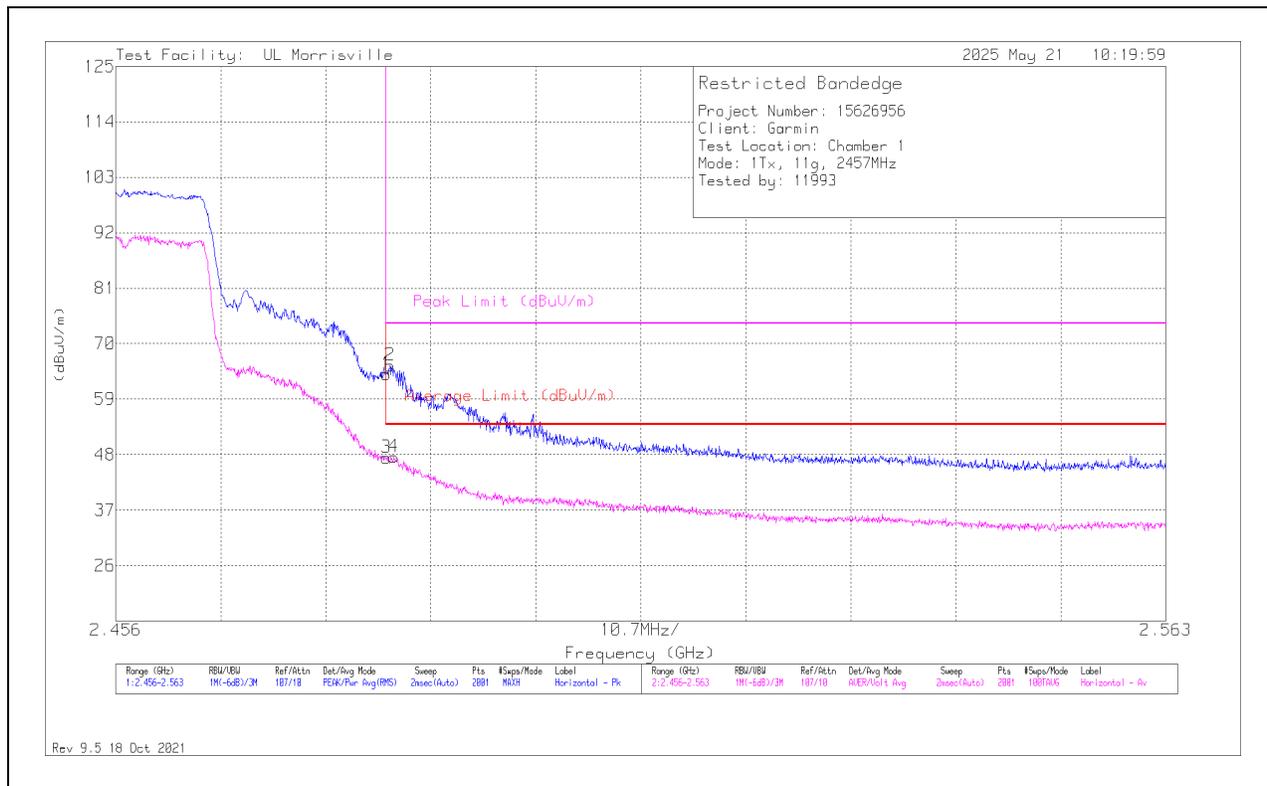


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38997	55.66	Pk	31.9	-24	63.56	-	-	74	-10.44	348	286	V
2	*** 2.38959	56.67	Pk	31.9	-24	64.57	-	-	74	-9.43	348	286	V
3	*** 2.38997	40.95	ADV	31.9	-24	48.85	54	-5.15	-	-	348	286	V
4	*** 2.38937	41.44	ADV	31.9	-24	49.34	54	-4.66	-	-	348	286	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, CH 10)**

**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	*** 2.48355	55.44	Pk	32.2	-23.7	63.94	-	-	74	-10.06	89	216	H
2	*** 2.48393	57.13	Pk	32.2	-23.7	65.63	-	-	74	-8.37	89	216	H
3	*** 2.48355	38.86	ADV	32.2	-23.7	47.36	54	-6.64	-	-	89	216	H
4	*** 2.48436	39.15	ADV	32.2	-23.8	47.55	54	-6.45	-	-	89	216	H

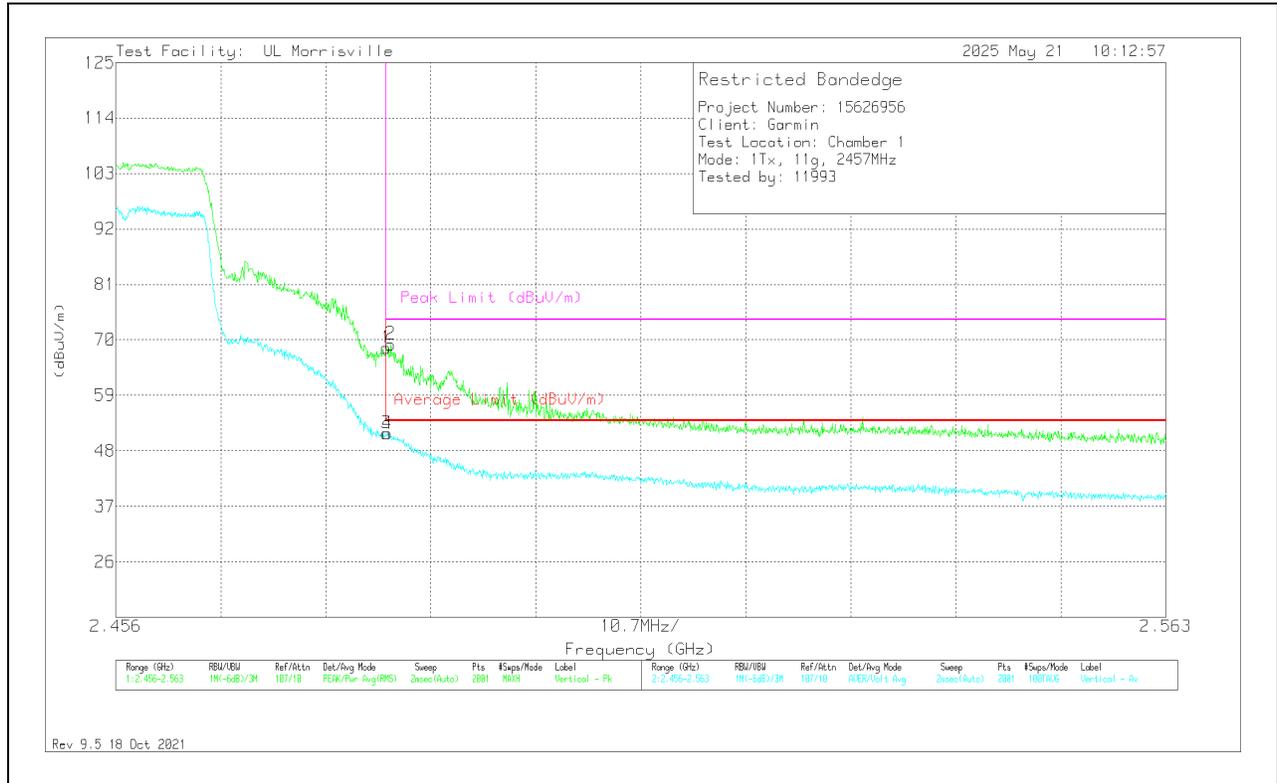
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

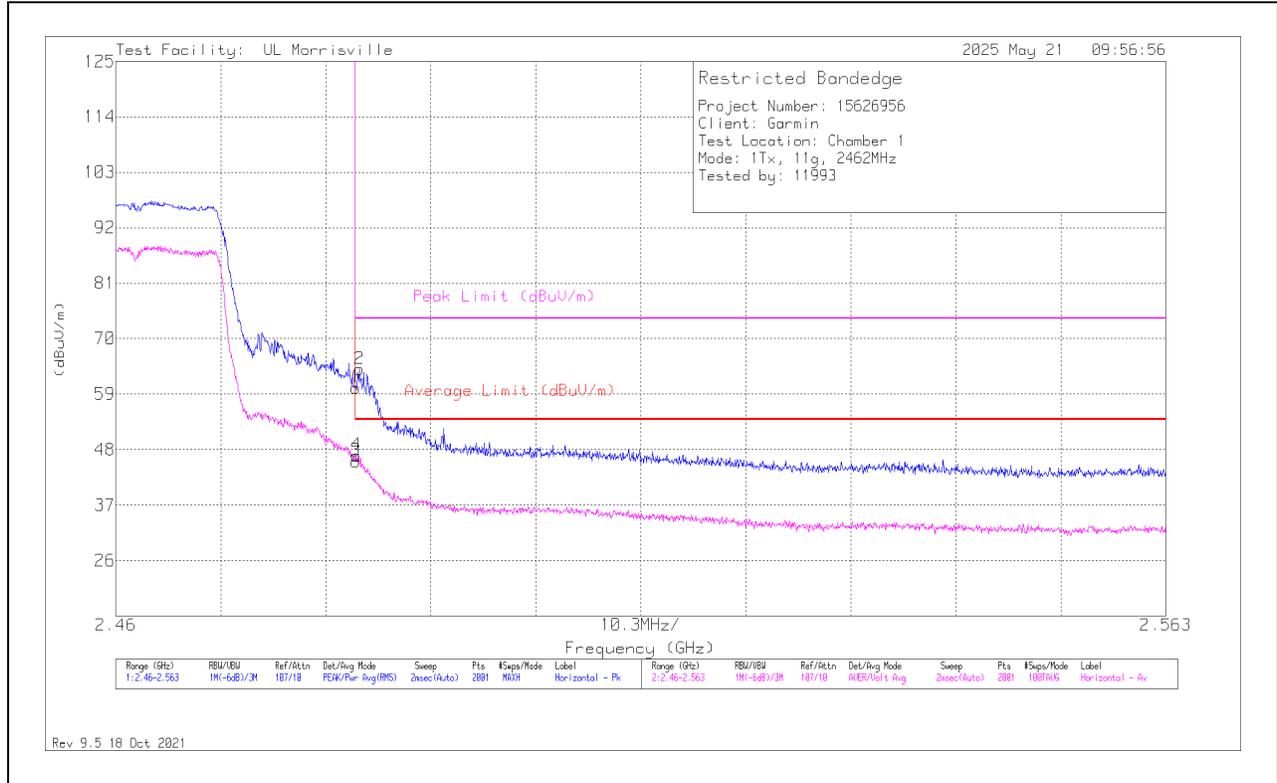


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48355	59.86	Pk	32.2	-23.7	68.36	-	-	74	-5.64	172	217	V
2	*** 2.48403	60.7	Pk	32.2	-23.8	69.1	-	-	74	-4.9	172	217	V
3	*** 2.48355	42.92	ADV	32.2	-23.7	51.42	54	-2.58	-	-	172	217	V
4	*** 2.48371	42.91	ADV	32.2	-23.7	51.41	54	-2.59	-	-	172	217	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, CH 11)**

**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	51.81	Pk	32.2	-23.7	60.31	-	-	74	-13.69	82	217	H
2	* ** 2.4839	55.45	Pk	32.2	-23.7	63.95	-	-	74	-10.05	82	217	H
3	* ** 2.48354	37.17	ADV	32.2	-23.7	45.67	54	-8.33	-	-	82	217	H
4	* ** 2.48359	38.27	ADV	32.2	-23.7	46.77	54	-7.23	-	-	82	217	H

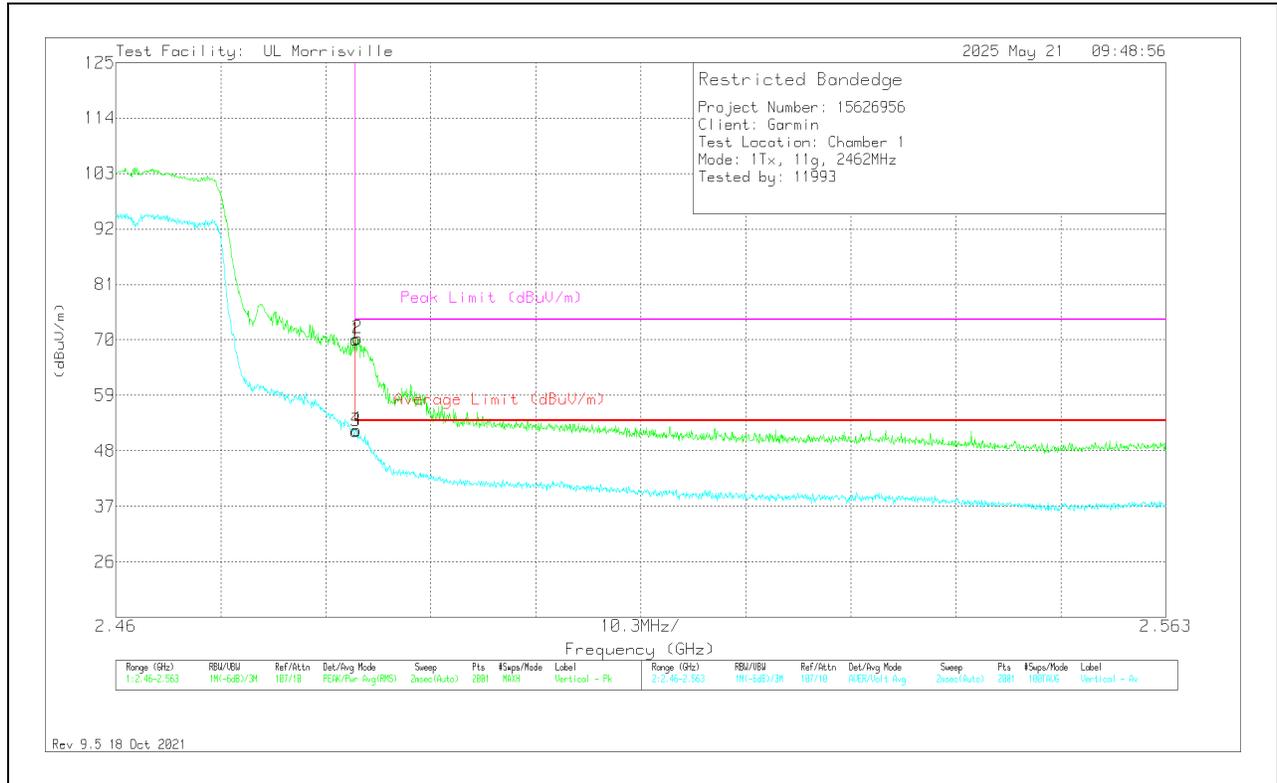
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

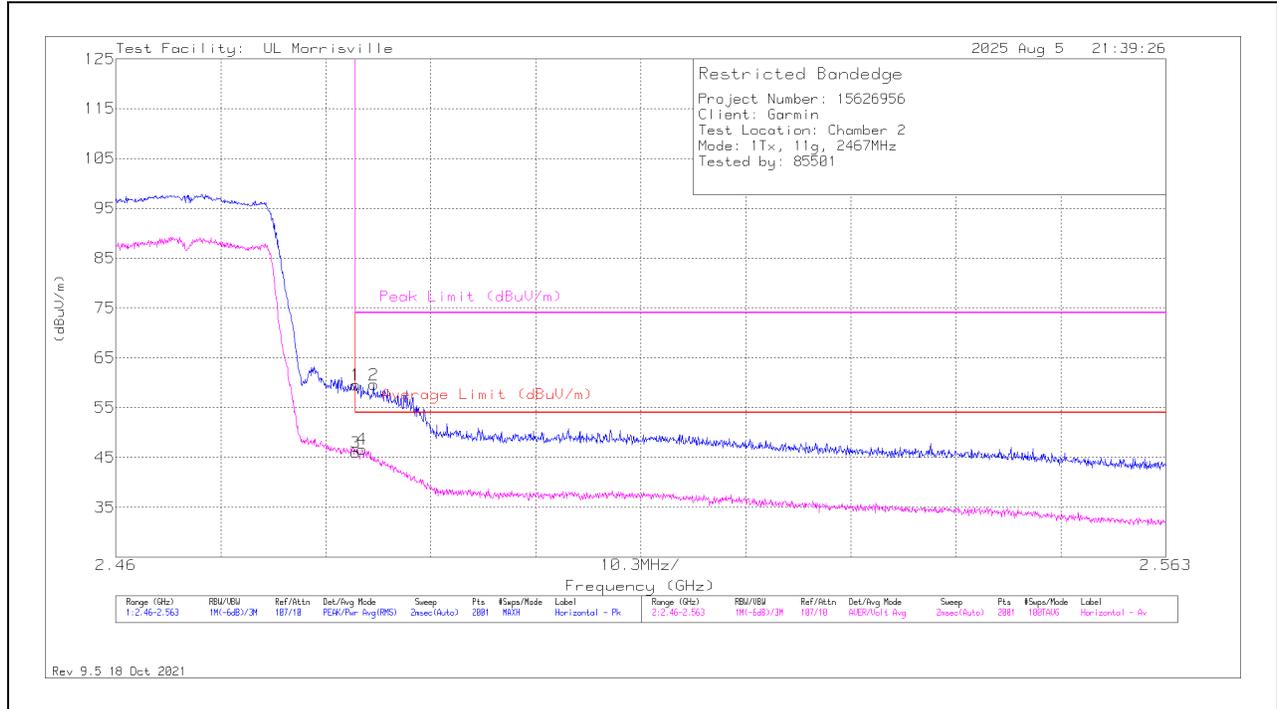


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	61.5	Pk	32.2	-23.7	70	-	-	74	-4	164	210	V
2	* ** 2.48374	61.81	Pk	32.2	-23.7	70.31	-	-	74	-3.69	164	210	V
3	* ** 2.48354	43.39	ADV	32.2	-23.7	51.89	54	-2.11	-	-	164	210	V
4	* ** 2.48359	43.72	ADV	32.2	-23.7	52.22	54	-1.78	-	-	164	210	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, CH 12)**

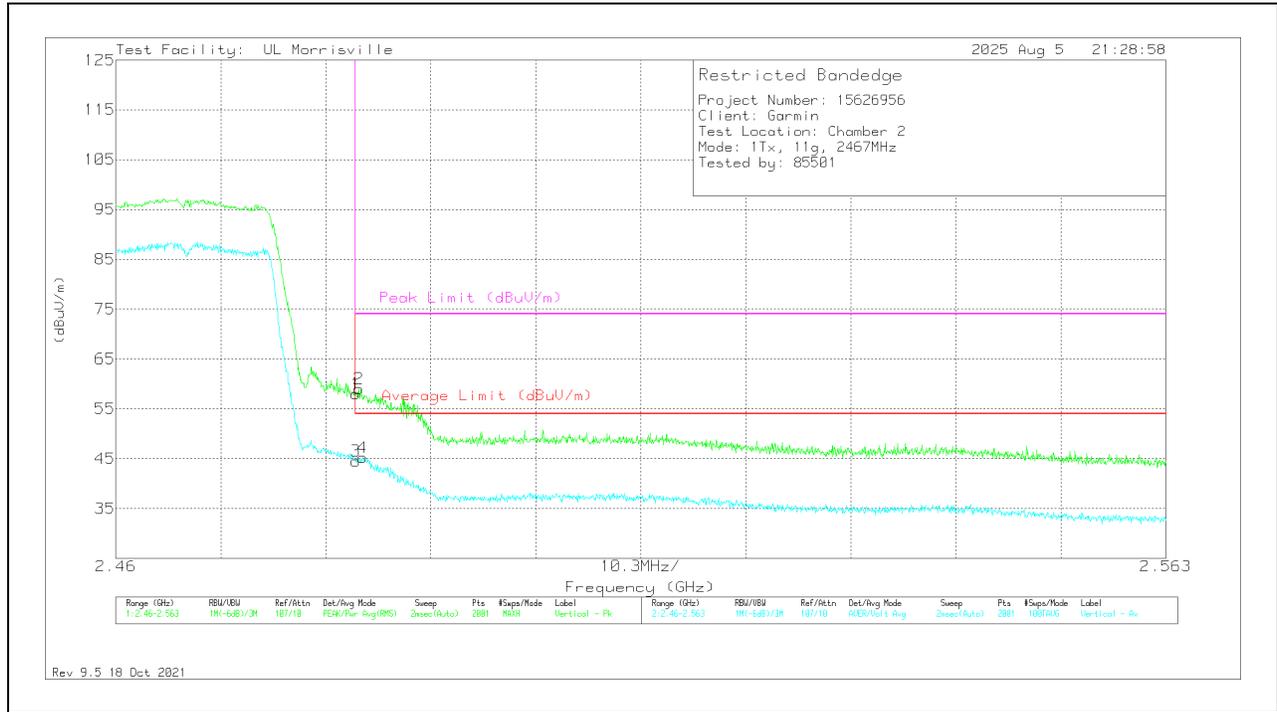
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (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	52.84	Pk	32.2	-25.5	59.54	-	-	74	-14.46	353	127	H
2	*** 2.48529	53	Pk	32.2	-25.6	59.6	-	-	74	-14.4	353	127	H
3	*** 2.48354	39.26	ADV	32.2	-25.5	45.96	54	-8.04	-	-	353	127	H
4	*** 2.48415	40.04	ADV	32.2	-25.6	46.64	54	-7.36	-	-	353	127	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

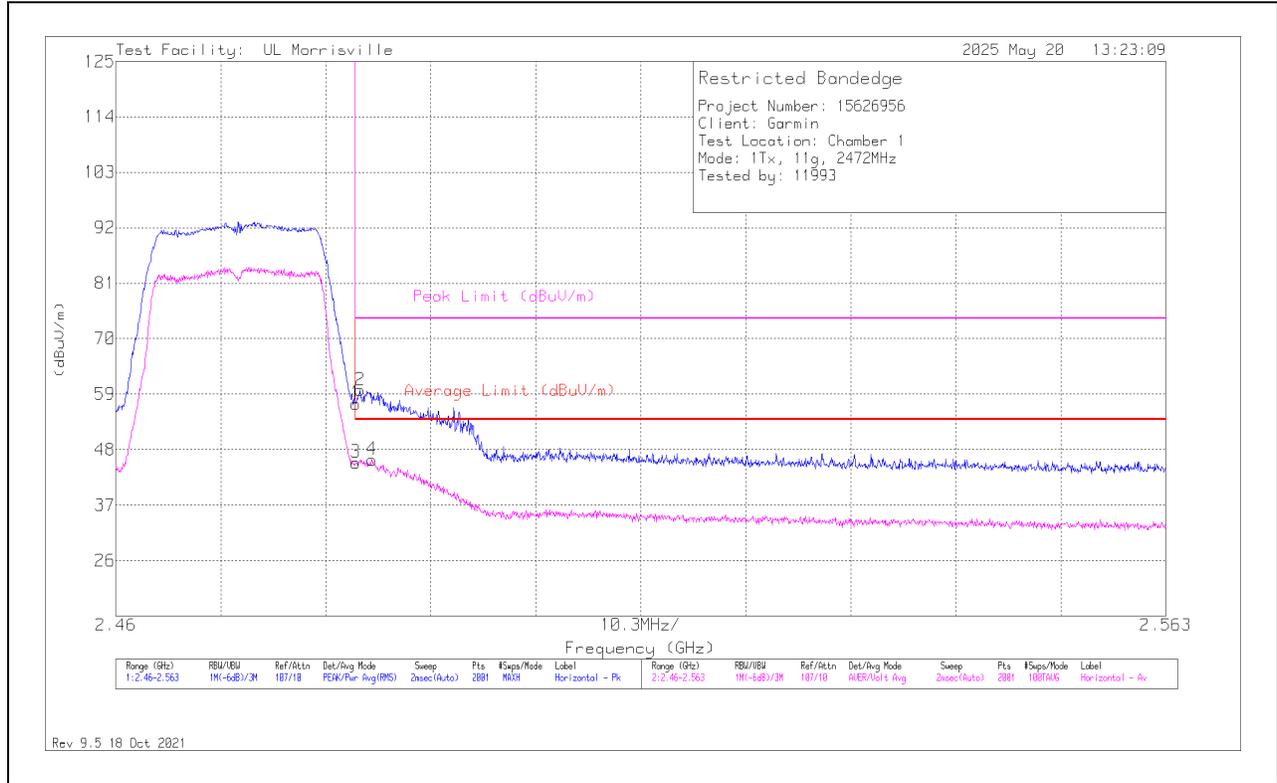


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	51.35	Pk	32.2	-25.5	58.05	-	-	74	-15.95	6	102	V
2	* ** 2.48384	52.35	Pk	32.2	-25.5	59.05	-	-	74	-14.95	6	102	V
3	* ** 2.48354	37.81	ADV	32.2	-25.5	44.51	54	-9.49	-	-	6	102	V
4	* ** 2.48421	38.61	ADV	32.2	-25.6	45.21	54	-8.79	-	-	6	102	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, CH 13)**

**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	48.59	Pk	32.2	-23.7	57.09	-	-	74	-16.91	306	139	H
2	* ** 2.48395	51.31	Pk	32.2	-23.7	59.81	-	-	74	-14.19	306	139	H
3	* ** 2.48354	36.89	ADV	32.2	-23.7	45.39	54	-8.61	-	-	306	139	H
4	* ** 2.48513	37.6	ADV	32.2	-23.8	46	54	-8	-	-	306	139	H

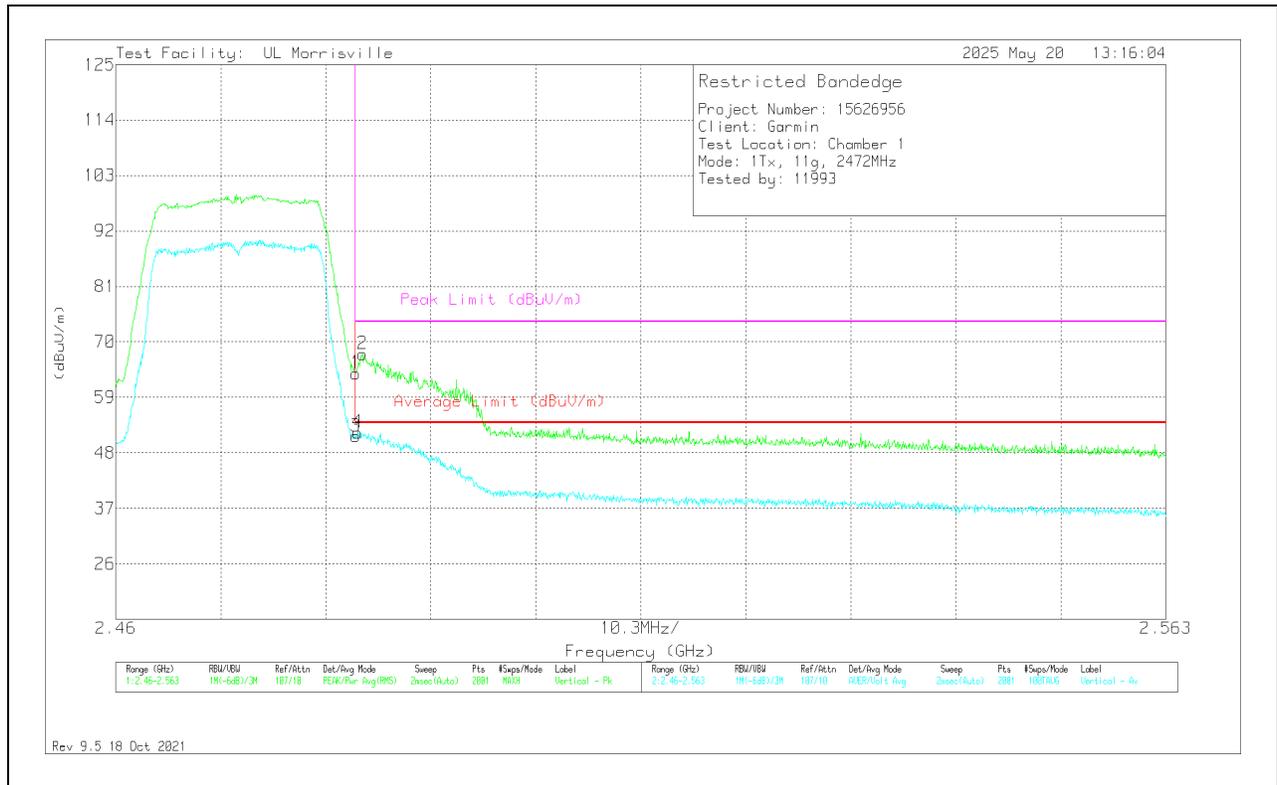
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

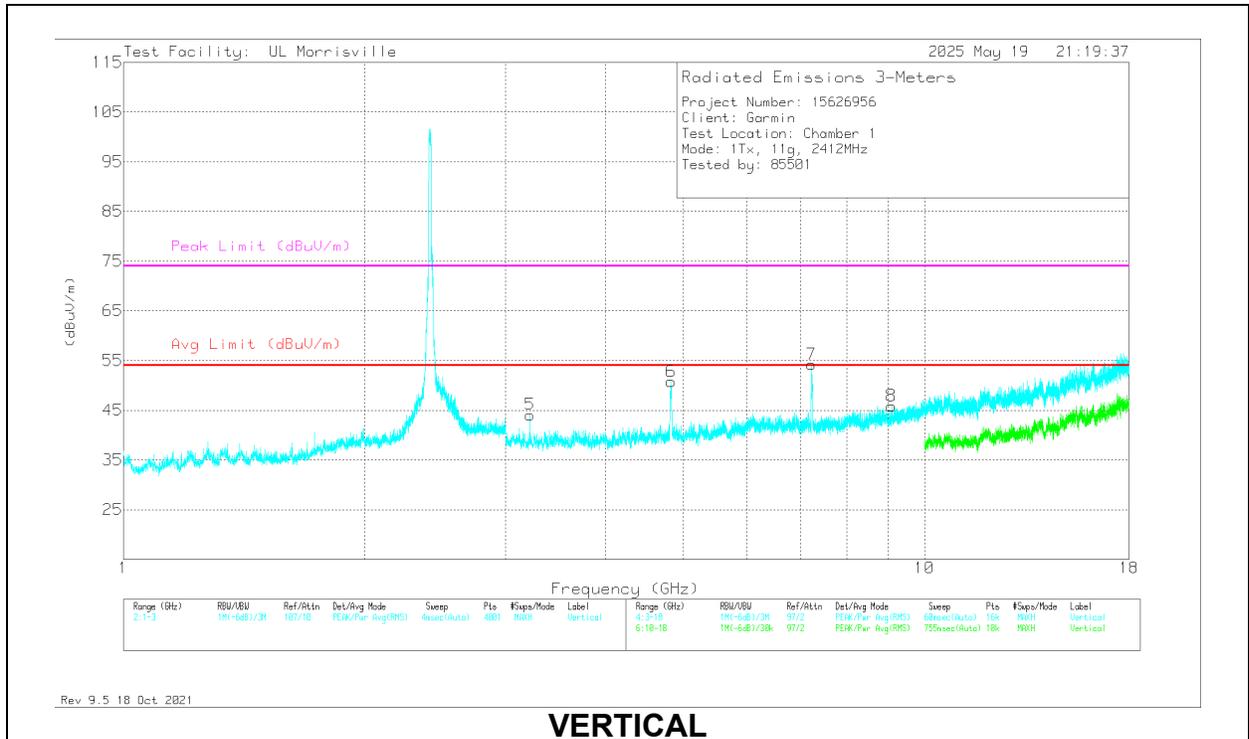
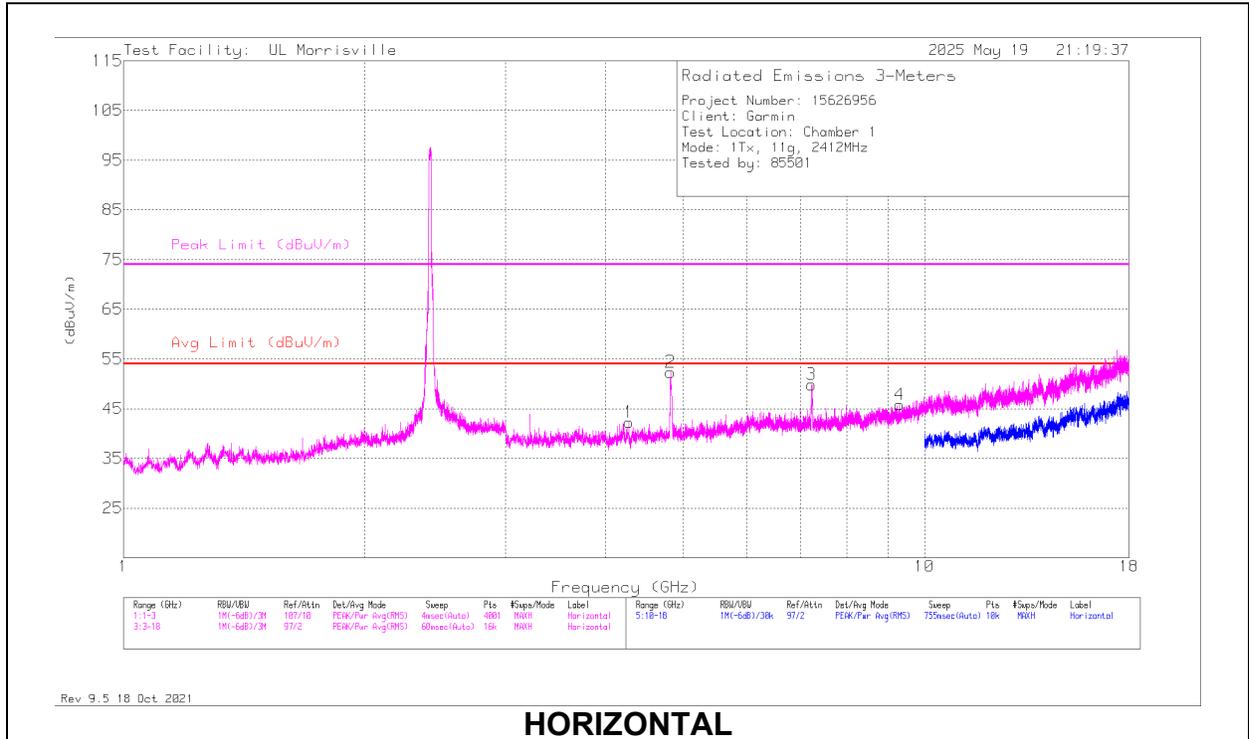


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	55.18	Pk	32.2	-23.7	63.68	-	-	74	-10.32	10	110	V
2	* ** 2.48421	59.14	Pk	32.2	-23.8	67.54	-	-	74	-6.46	10	110	V
3	* ** 2.48354	42.77	ADV	32.2	-23.7	51.27	54	-2.73	-	-	10	110	V
4	* ** 2.48374	43.49	ADV	32.2	-23.7	51.99	54	-2.01	-	-	10	110	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, CH 1 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	*** 4.27594	53.26	Pk	33.7	-44.7	42.26	54	-11.74	74	-31.74	0-360	101	H
2	*** 4.82241	69.09	PK2	33.9	-45.4	57.59	-	-	74	-16.41	43	125	H
	*** 4.82216	50.8	ADV	33.9	-45.4	39.3	54	-14.7	-	-	43	125	H
4	*** 9.30938	49.61	Pk	36.1	-39.9	45.81	54	-8.19	74	-28.19	0-360	199	H
6	*** 4.82212	67.78	PK2	33.9	-45.4	56.28	-	-	74	-17.72	254	139	V
	*** 4.82286	49.58	ADV	33.9	-45.4	38.08	54	-15.92	-	-	254	139	V
8	*** 9.09375	50.25	Pk	35.9	-40.3	45.85	54	-8.15	74	-28.15	0-360	200	V
5	3.21563	55.7	Pk	32.6	-44.2	44.1	-	-	-	-	0-360	101	V
3	7.22906	56.74	Pk	35.4	-42.3	49.84	-	-	-	-	0-360	101	H
7	7.23	61.21	Pk	35.4	-42.4	54.21	-	-	-	-	0-360	101	V

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

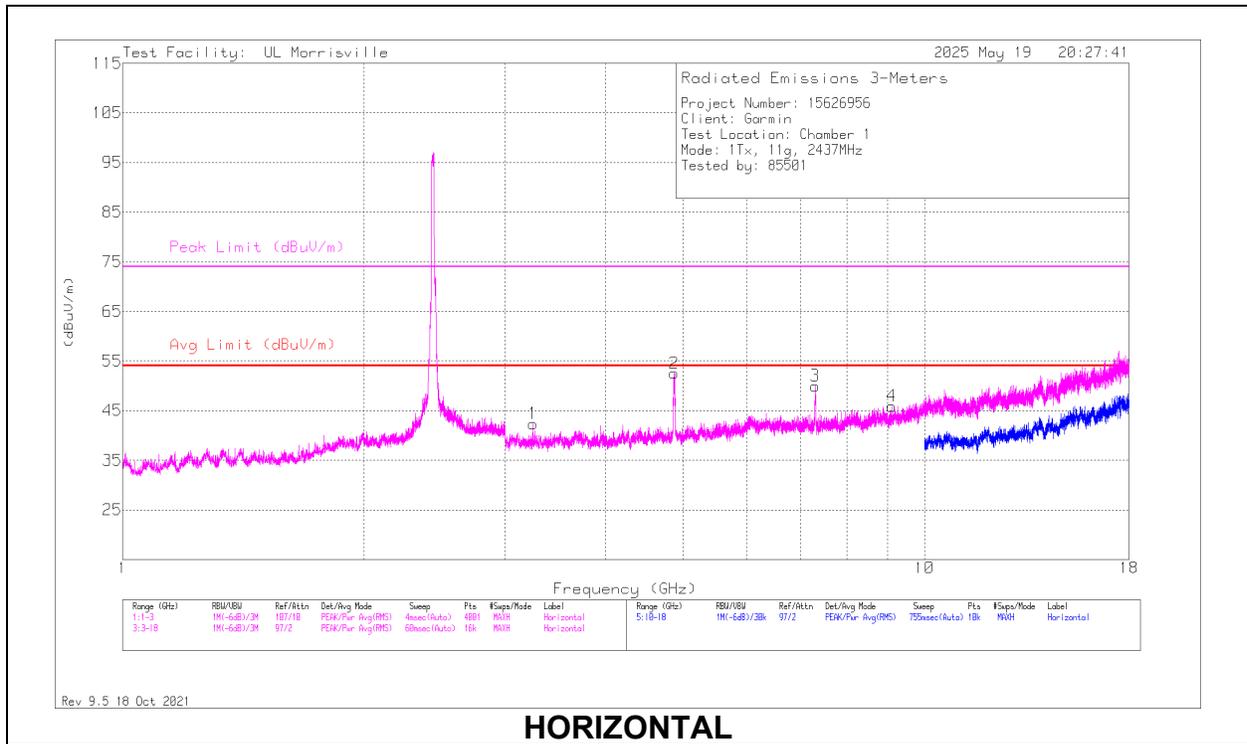
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

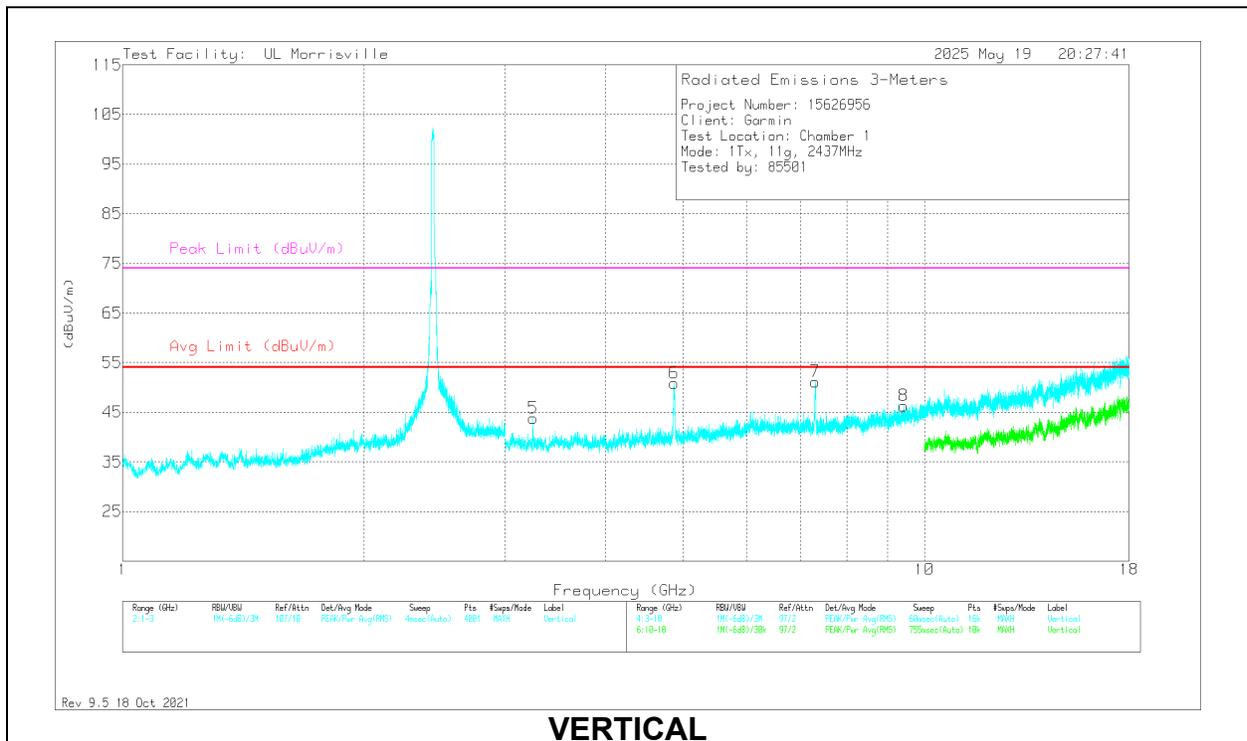
PK2 - Maximum Peak

ADV - Linear Voltage Average

### MID CHANNEL, CH 6 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
2	*** 4.87709	69.68	PK2	34	-44.8	58.88	-	-	74	-15.12	43	136	H
	*** 4.87404	51.47	ADV	34	-44.8	40.67	54	-13.33	-	-	43	136	H
3	*** 7.30194	60.25	PK2	35.4	-41.9	53.75	-	-	74	-20.25	235	115	H
	*** 7.30623	46.09	ADV	35.4	-41.8	39.69	54	-14.31	-	-	235	115	H
4	*** 9.11063	50.19	PK	35.9	-40.2	45.89	54	-8.11	74	-28.11	0-360	200	H
6	*** 4.8723	64.92	PK2	34	-44.8	54.12	-	-	74	-19.88	235	134	V
	*** 4.87205	46.72	ADV	34	-44.8	35.92	54	-18.08	-	-	235	134	V
7	*** 7.30176	63.76	PK2	35.4	-41.9	57.26	-	-	74	-16.74	113	153	V
	*** 7.30995	49.35	ADV	35.4	-41.7	43.05	54	-10.95	-	-	113	153	V
8	*** 9.42188	50.04	PK	36.3	-40.1	46.24	54	-7.76	74	-27.76	0-360	200	V
1	3.24844	53.79	PK	32.7	-44.1	42.39	-	-	-	-	0-360	200	H
5	3.24844	55.19	PK	32.7	-44.1	43.79	-	-	-	-	0-360	101	V

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

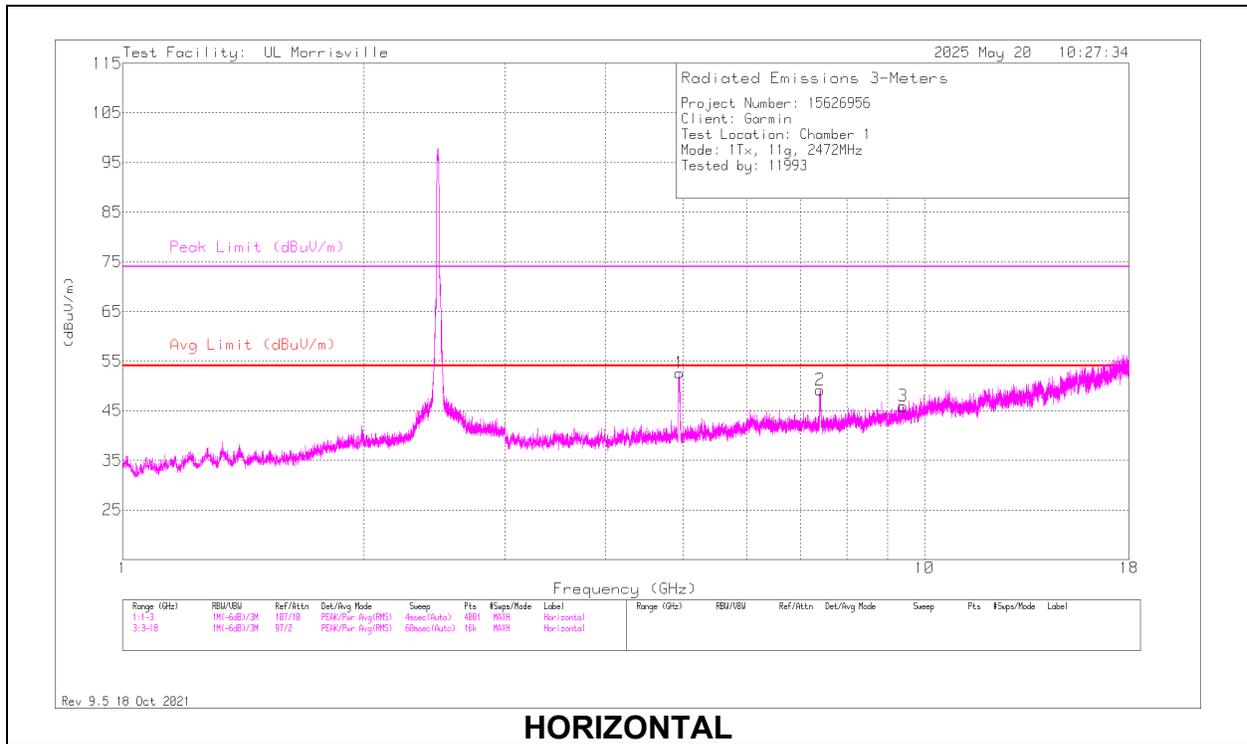
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK - Peak detector

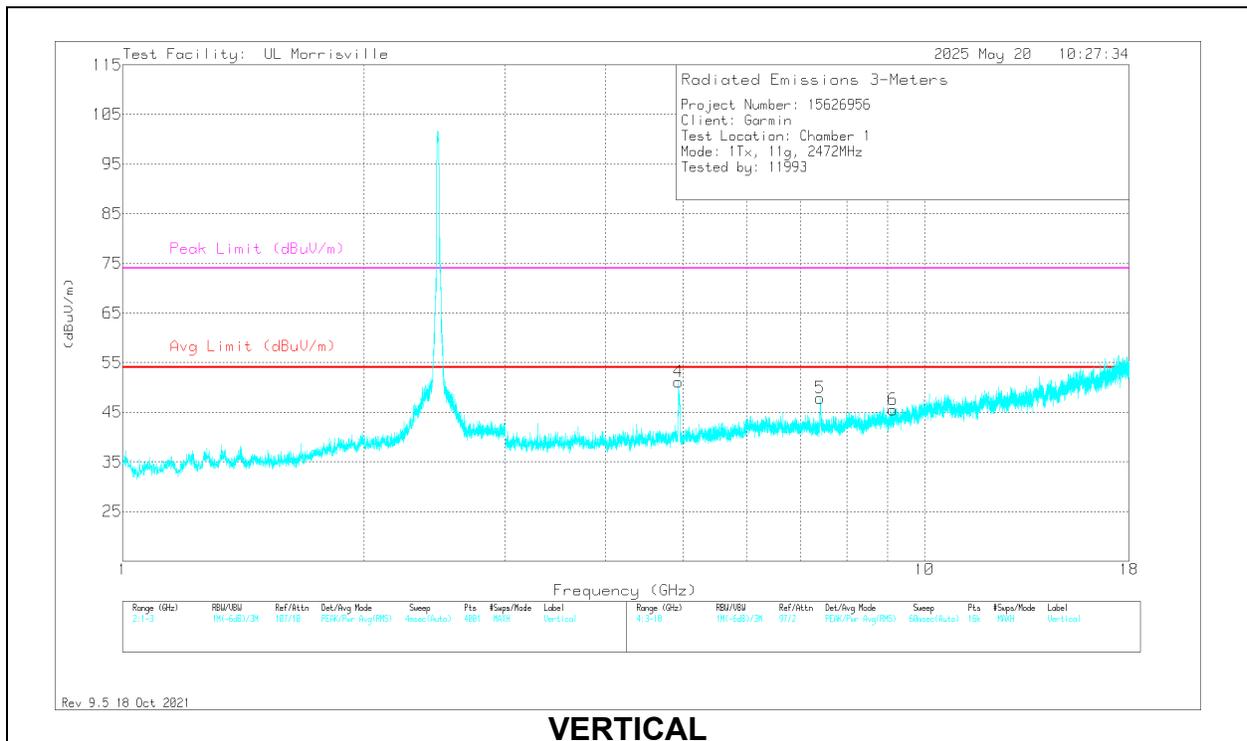
PK2 - Maximum Peak

ADV - Linear Voltage Average

### HIGH CHANNEL, CH 13 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	*** 4.94387	70.26	PK2	34.1	-44.4	59.96	-	-	74	-14.04	42	113	H
	*** 4.94397	51.45	ADV	34.1	-44.4	41.15	54	-12.85	-	-	42	113	H
2	*** 7.41033	59.51	PK2	35.4	-41.3	53.61	-	-	74	-20.39	132	103	H
	*** 7.4104	46.25	ADV	35.4	-41.3	40.35	54	-13.65	-	-	132	103	H
3	*** 9.41344	49.64	Pk	36.3	-40	45.94	54	-8.06	74	-28.06	0-360	101	H
4	*** 4.94247	66.52	PK2	34.1	-44.3	56.32	-	-	74	-17.68	254	111	V
	*** 4.94232	48.24	ADV	34.1	-44.3	38.04	54	-15.96	-	-	254	111	V
5	*** 7.41094	53.79	Pk	35.4	-41.3	47.89	54	-6.11	74	-26.11	0-360	200	V
	*** 9.12938	50.12	Pk	35.9	-40.5	45.52	54	-8.48	74	-28.48	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

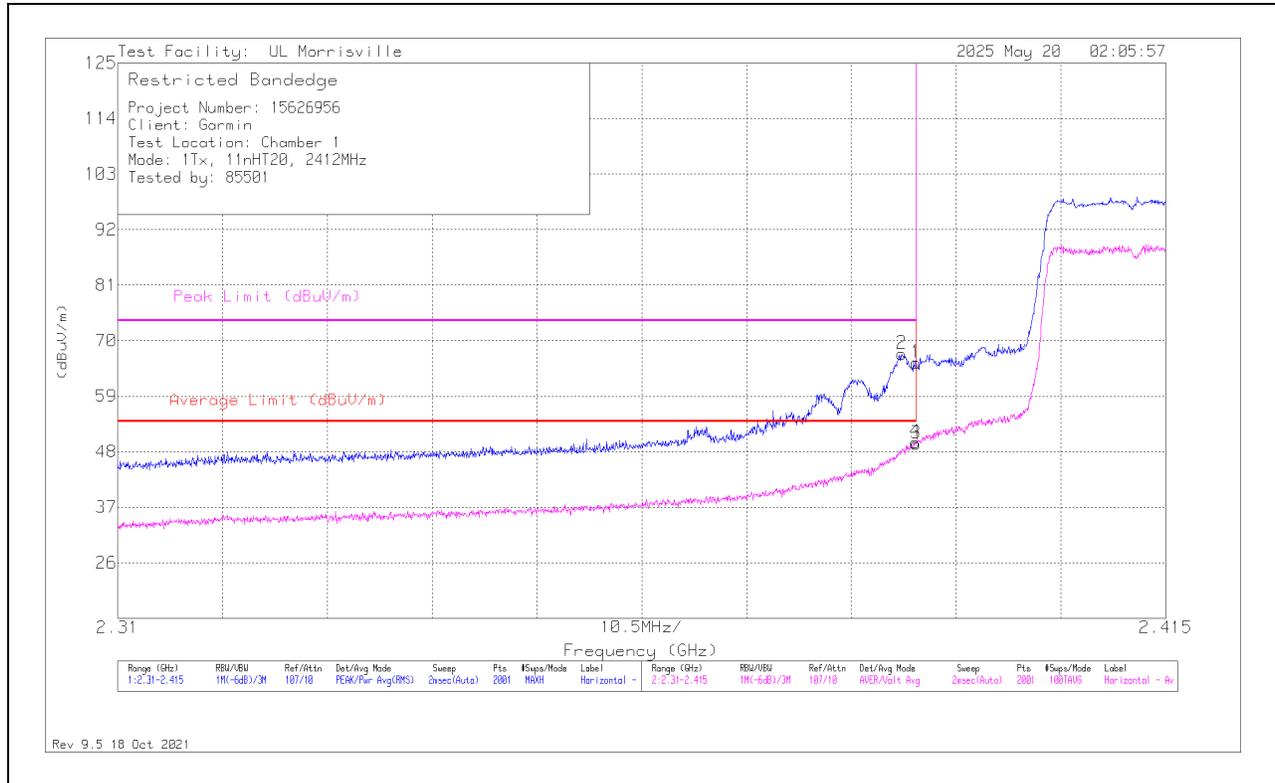
PK2 - Maximum Peak

ADV - Linear Voltage Average

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

#### BANDEDGE (LOW CHANNEL, CH 1)

#### 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	57.74	Pk	31.9	-24	65.64	-	-	74	-8.36	186	160	H
2	*** 2.38854	59.52	Pk	31.9	-24	67.42	-	-	74	-6.58	186	160	H
3	*** 2.38996	41.71	ADV	31.9	-24	49.61	54	-4.39	-	-	186	160	H
4	*** 2.38991	41.97	ADV	31.9	-24	49.87	54	-4.13	-	-	186	160	H

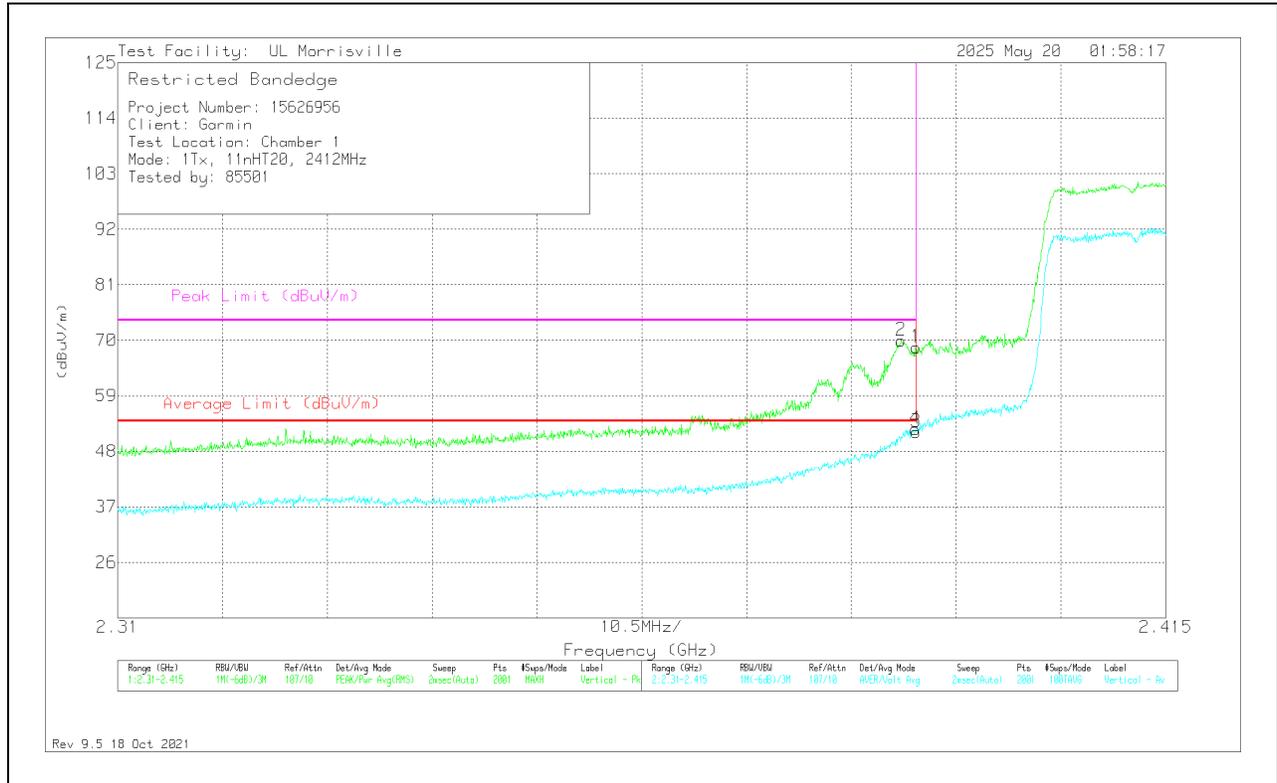
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

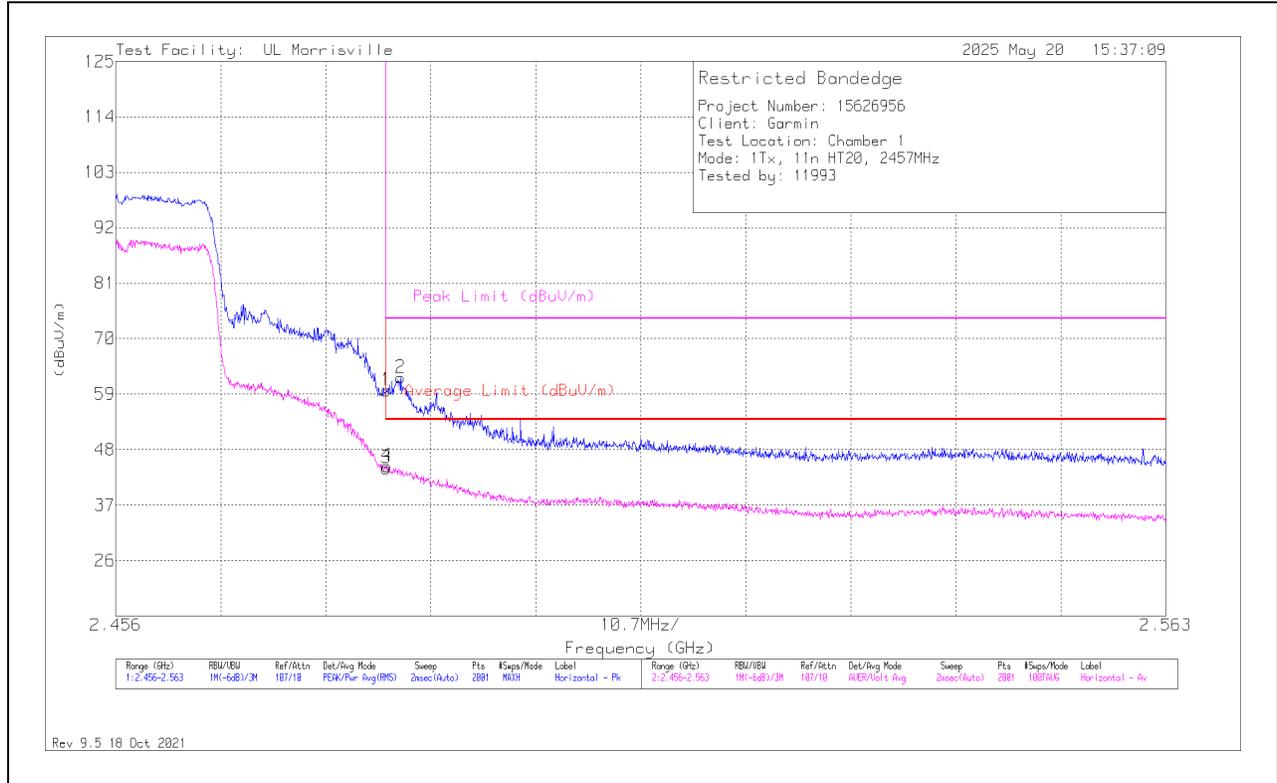


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	60.71	Pk	31.9	-24	68.61	-	-	74	-5.39	320	137	V
2	*** 2.38849	62.05	Pk	31.9	-24	69.95	-	-	74	-4.05	320	137	V
3	*** 2.38996	43.98	ADV	31.9	-24	51.88	54	-2.12	-	-	320	137	V
4	*** 2.38991	44.54	ADV	31.9	-24	52.44	54	-1.56	-	-	320	137	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, CH 10)**

**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	* ** 2.48355	51.22	Pk	32.2	-23.7	59.72	-	-	74	-14.28	244	227	H
2	* ** 2.48505	53.88	Pk	32.2	-23.8	62.28	-	-	74	-11.72	244	227	H
3	* ** 2.48355	35.79	ADV	32.2	-23.7	44.29	54	-9.71	-	-	244	227	H
4	* ** 2.48361	36.23	ADV	32.2	-23.7	44.73	54	-9.27	-	-	244	227	H

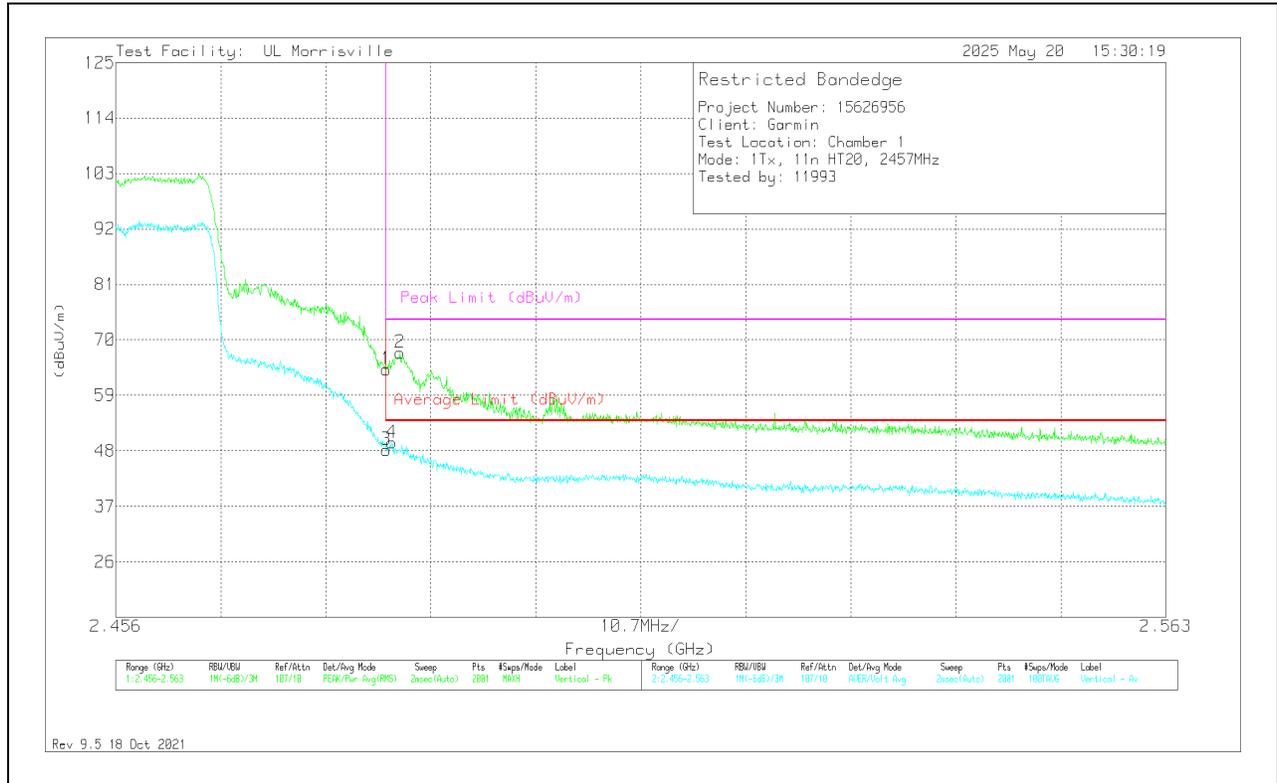
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

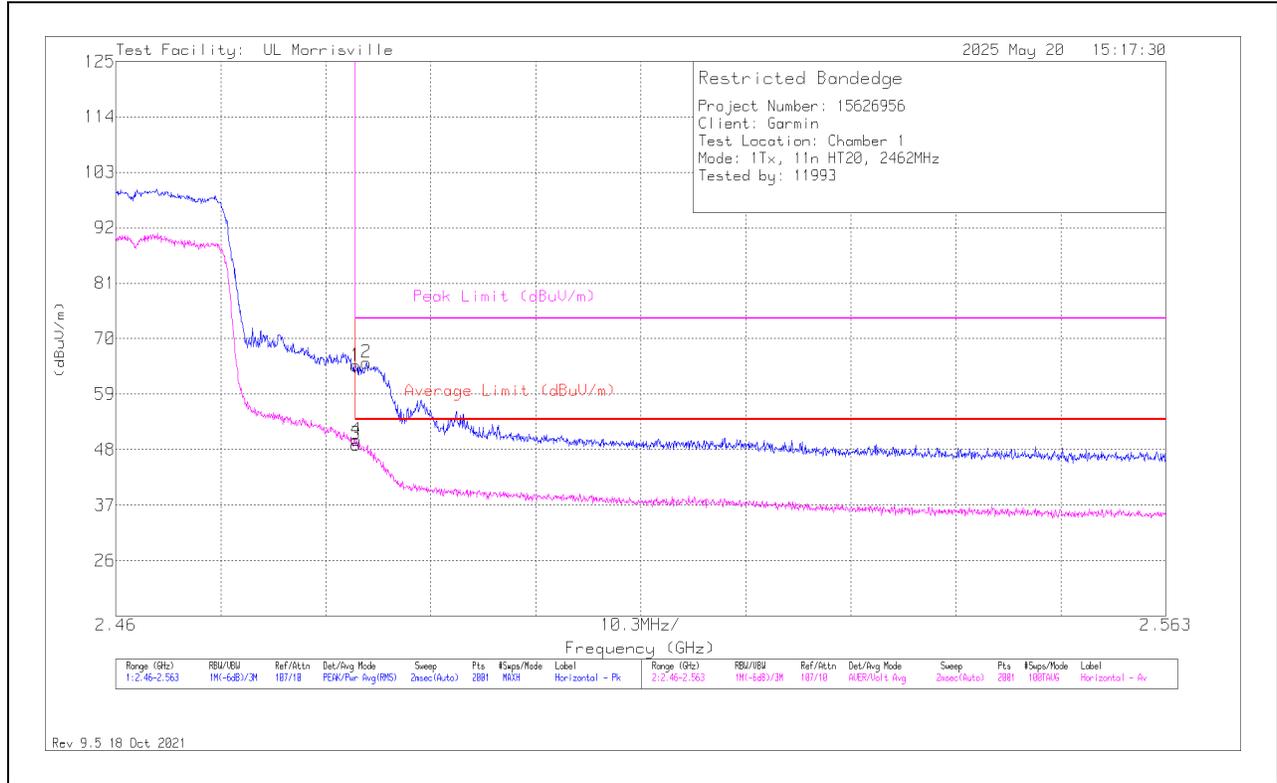


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48355	55.62	Pk	32.2	-23.7	64.12	-	-	74	-9.88	4	127	V
2	*** 2.48494	59	Pk	32.2	-23.8	67.4	-	-	74	-6.6	4	127	V
3	*** 2.48355	39.68	ADV	32.2	-23.7	48.18	54	-5.82	-	-	4	127	V
4	*** 2.48414	41.22	ADV	32.2	-23.8	49.62	54	-4.38	-	-	4	127	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, CH 11)**

**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	56.13	Pk	32.2	-23.7	64.63	-	-	74	-9.37	277	157	H
2	*** 2.48457	56.85	Pk	32.2	-23.8	65.25	-	-	74	-8.75	277	157	H
3	*** 2.48354	40.54	ADV	32.2	-23.7	49.04	54	-4.96	-	-	277	157	H
4	*** 2.48359	41.4	ADV	32.2	-23.7	49.9	54	-4.1	-	-	277	157	H

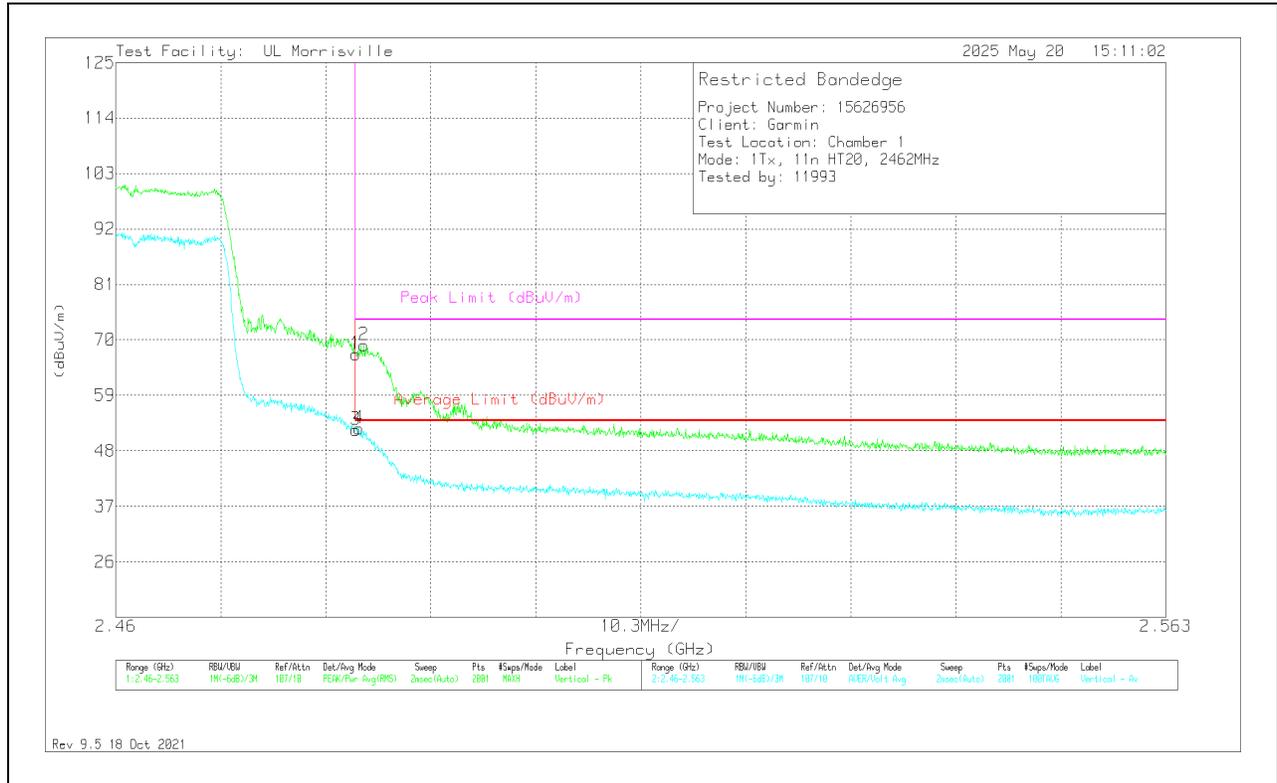
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

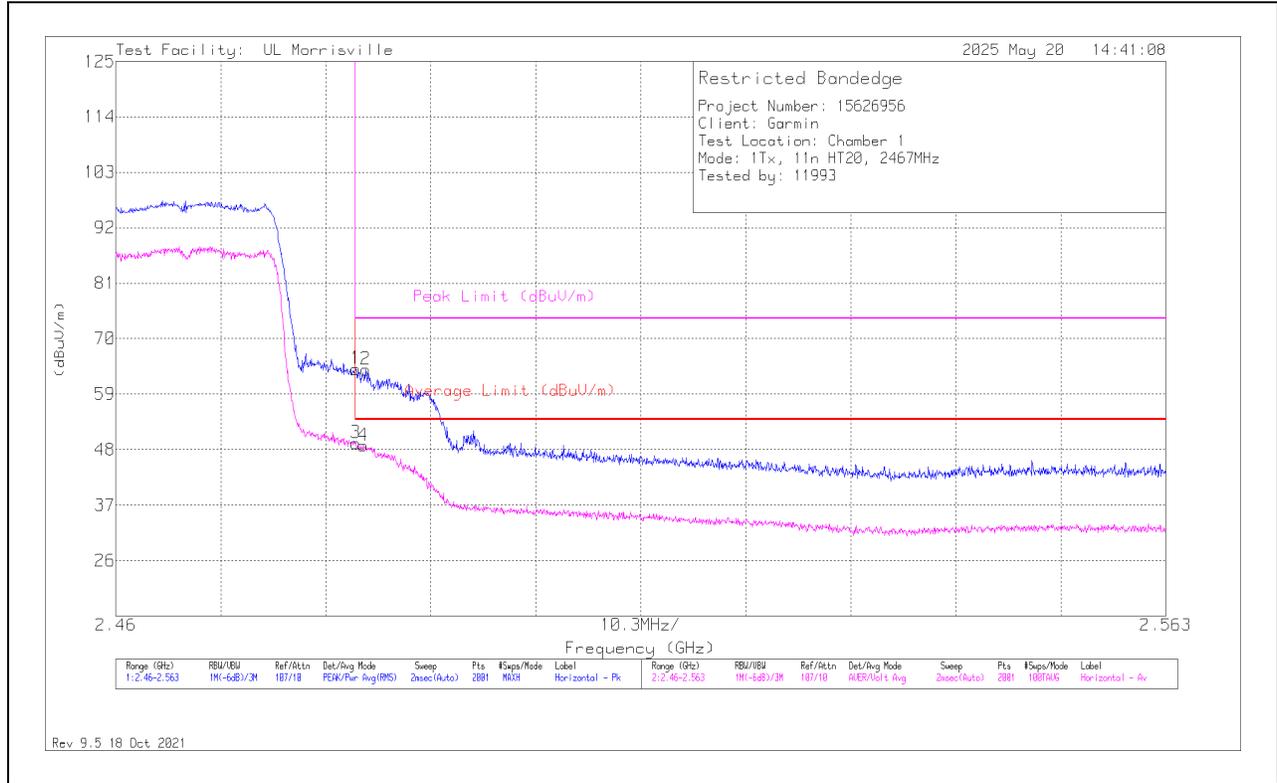


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	58.72	Pk	32.2	-23.7	67.22	-	-	74	-6.78	163	153	V
2	*** 2.48431	60.57	Pk	32.2	-23.8	68.97	-	-	74	-5.03	163	153	V
3	*** 2.48354	43.72	ADV	32.2	-23.7	52.22	54	-1.78	-	-	163	153	V
4	*** 2.48384	43.91	ADV	32.2	-23.7	52.41	54	-1.59	-	-	163	153	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, CH 12)**

**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	55.53	Pk	32.2	-23.7	64.03	-	-	74	-9.97	162	233	H
2	* ** 2.48451	55.47	Pk	32.2	-23.8	63.87	-	-	74	-10.13	162	233	H
3	* ** 2.48354	40.78	ADV	32.2	-23.7	49.28	54	-4.72	-	-	162	233	H
4	* ** 2.48426	40.39	ADV	32.2	-23.8	48.79	54	-5.21	-	-	162	233	H

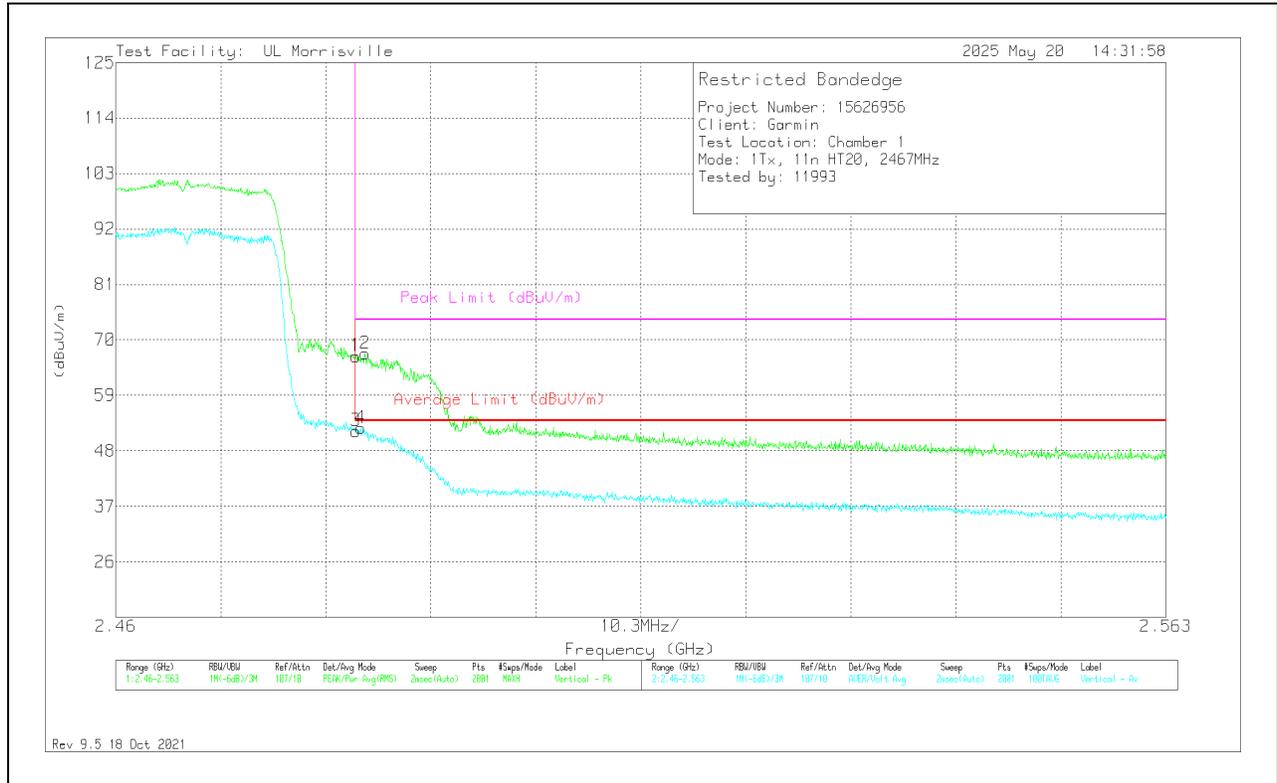
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

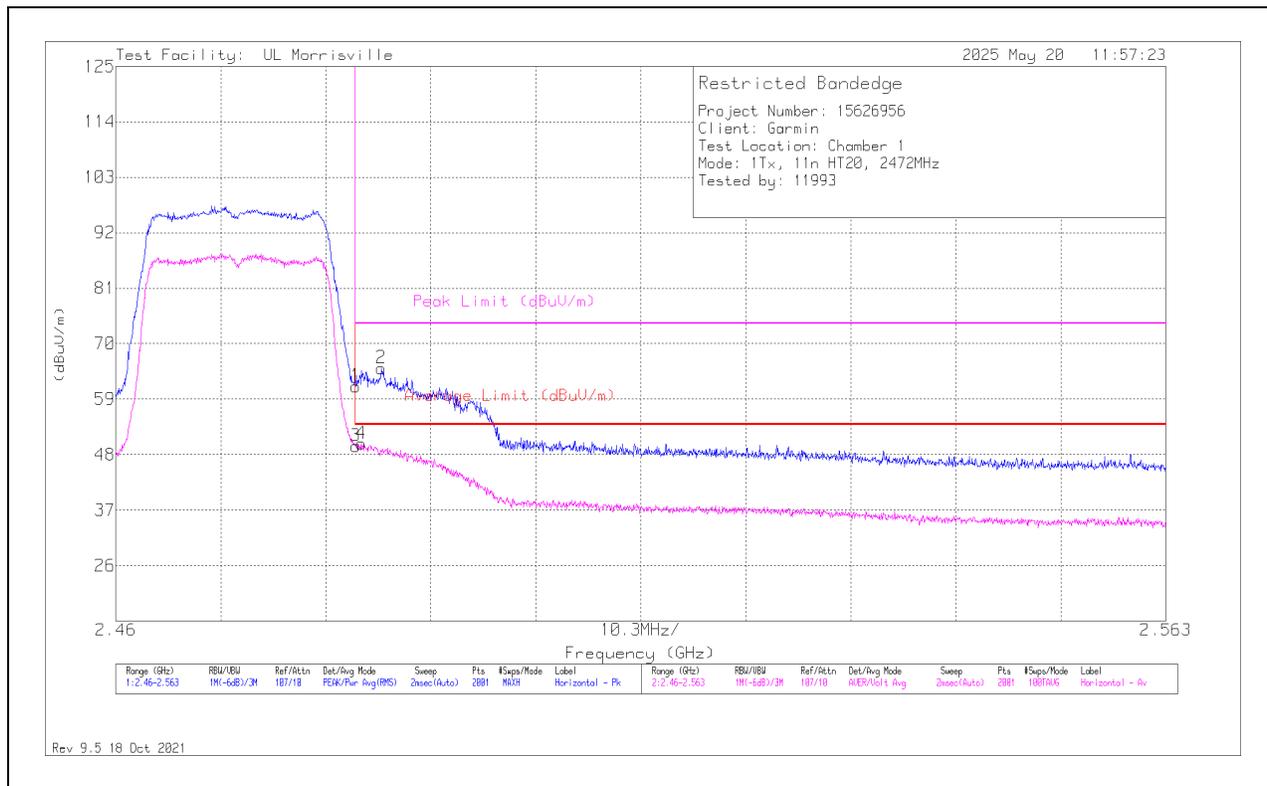


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	58.24	Pk	32.2	-23.7	66.74	-	-	74	-7.26	150	234	V
2	*** 2.48446	58.85	Pk	32.2	-23.8	67.25	-	-	74	-6.75	150	234	V
3	*** 2.48354	43.39	ADV	32.2	-23.7	51.89	54	-2.11	-	-	150	234	V
4	*** 2.484	44.11	ADV	32.2	-23.8	52.51	54	-1.49	-	-	150	234	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, CH 13)**

**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	52.98	Pk	32.2	-23.7	61.48	-	-	74	-12.52	174	171	H
2	*** 2.48606	56.84	Pk	32.2	-23.9	65.14	-	-	74	-8.86	174	171	H
3	*** 2.48354	41.13	ADV	32.2	-23.7	49.63	54	-4.37	-	-	174	171	H
4	*** 2.4841	41.77	ADV	32.2	-23.8	50.17	54	-3.83	-	-	174	171	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

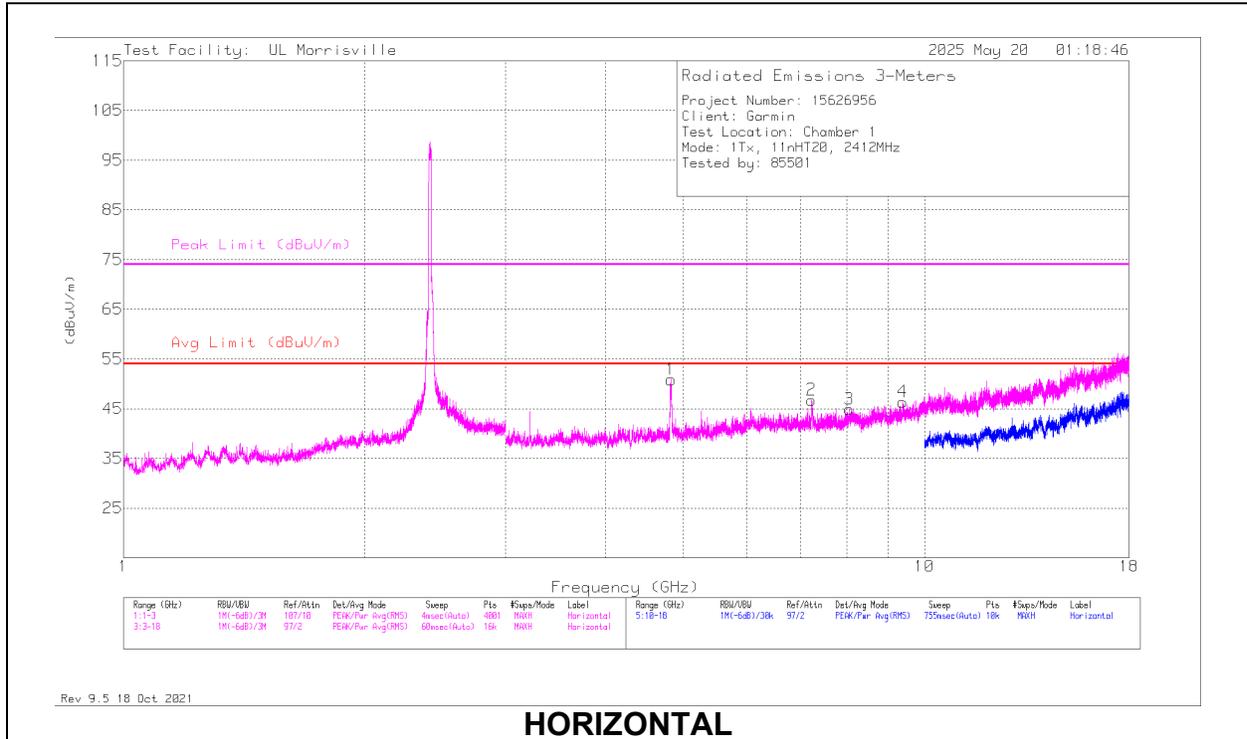


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	57.88	Pk	32.2	-23.7	66.38	-	-	74	-7.62	281	128	V
2	* ** 2.48415	58.8	Pk	32.2	-23.8	67.2	-	-	74	-6.8	281	128	V
3	* ** 2.48354	43.02	ADV	32.2	-23.7	51.52	54	-2.48	-	-	281	128	V
4	* ** 2.48369	44.03	ADV	32.2	-23.7	52.53	54	-1.47	-	-	281	128	V

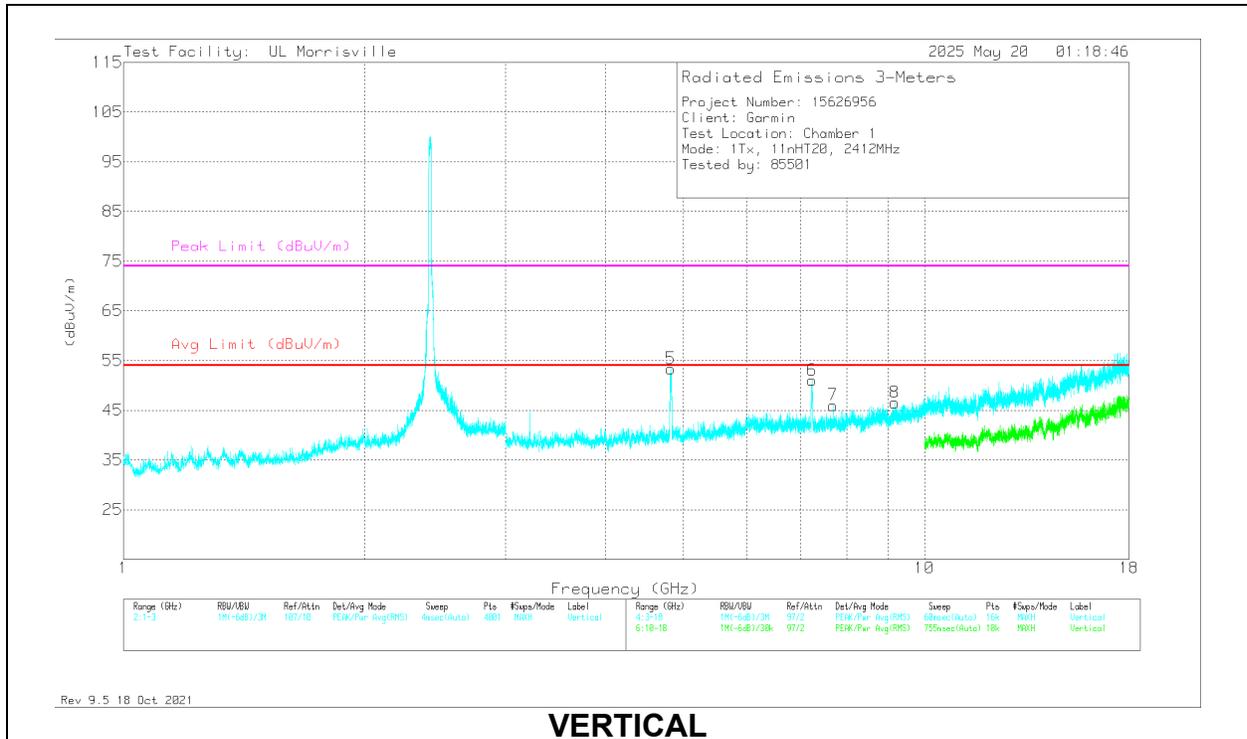
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 ADV - Linear Voltage Average

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL, CH 1 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	*** 4.8235	66.42	PK2	33.9	-45.4	54.92	-	-	74	-19.08	27	130	H
	*** 4.8238	47.99	ADV	33.9	-45.4	36.49	54	-17.51	-	-	27	130	H
3	*** 8.05688	49.81	Pk	35.9	-40.8	44.91	54	-9.09	74	-29.09	0-360	101	H
4	*** 9.39469	50.08	Pk	36.3	-40	46.38	54	-7.62	74	-27.62	0-360	200	H
5	*** 4.82658	68.16	PK2	33.9	-45.2	56.86	-	-	74	-17.14	191	128	V
	*** 4.82014	49.48	ADV	33.9	-45.5	37.88	54	-16.12	-	-	191	128	V
7	*** 7.69125	51.5	Pk	35.6	-41.1	46	54	-8	74	-28	0-360	200	V
8	*** 9.17531	50.54	Pk	36	-40	46.54	54	-7.46	74	-27.46	0-360	101	V
2	7.22344	53.05	Pk	35.4	-41.7	46.75	-	-	-	-	0-360	101	H
6	7.23844	57.94	Pk	35.4	-42.3	51.04	-	-	-	-	0-360	200	V

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

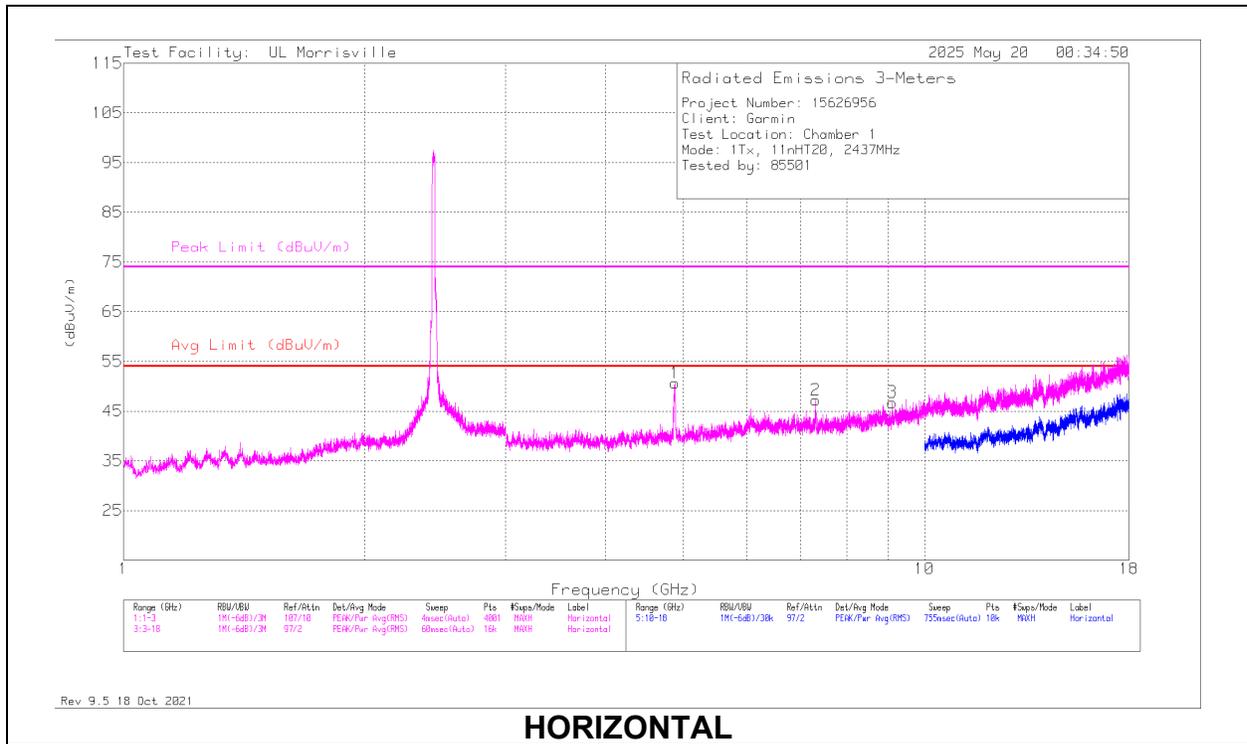
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

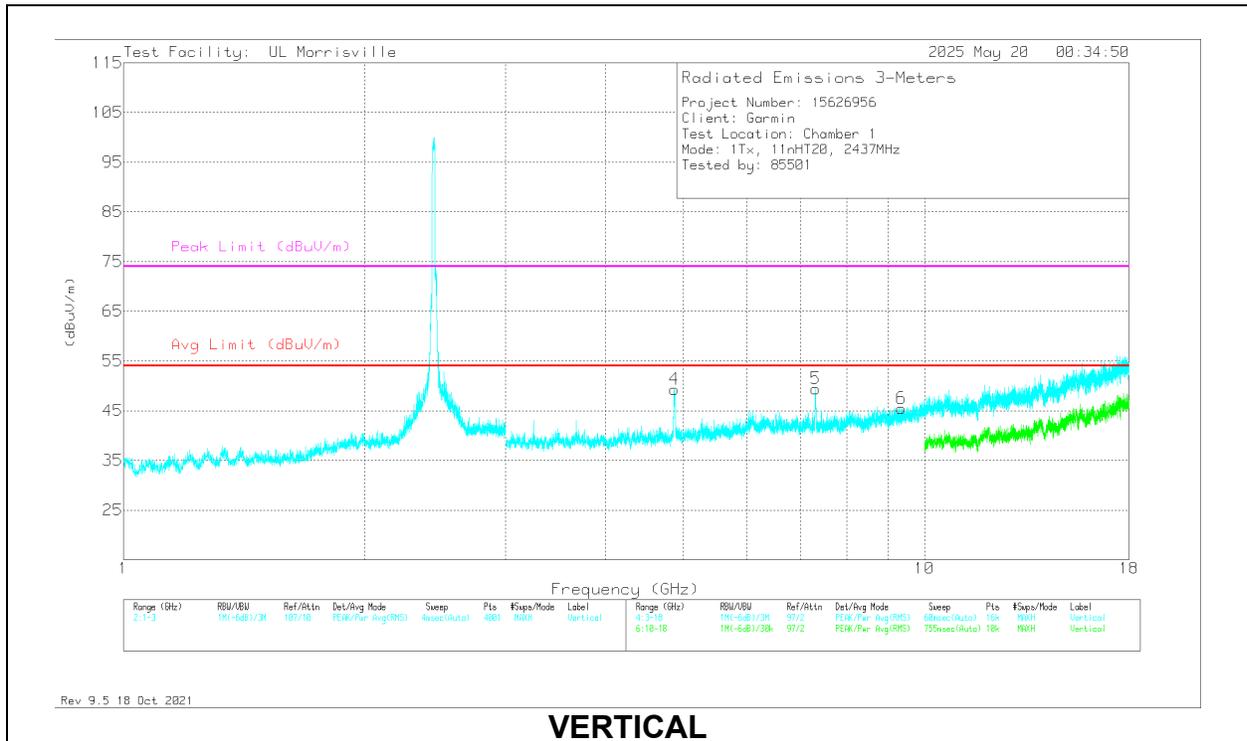
PK2 - Maximum Peak

ADV - Linear Voltage Average

### MID CHANNEL, CH 6 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	*** 4.87354	67.3	PK2	34	-44.8	56.5	-	-	74	-17.5	11	121	H
	*** 4.87449	47.94	ADV	34	-44.8	37.14	54	-16.86	-	-	11	121	H
2	*** 7.31344	53.41	Pk	35.4	-41.6	47.21	54	-6.79	74	-26.79	0-360	200	H
3	*** 9.12188	51.16	Pk	35.9	-40.3	46.76	54	-7.24	74	-27.24	0-360	101	H
4	*** 4.87214	69.03	PK2	34	-44.8	58.23	-	-	74	-15.77	188	183	V
	*** 4.87394	50.52	ADV	34	-44.8	39.72	54	-14.28	-	-	188	183	V
5	*** 7.30865	58.56	PK2	35.4	-41.7	52.26	-	-	74	-21.74	124	268	V
	*** 7.30681	44.77	ADV	35.4	-41.8	38.37	54	-15.63	-	-	124	268	V
6	*** 9.36094	49.88	Pk	36.2	-40.6	45.48	54	-8.52	74	-28.52	0-360	101	V

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

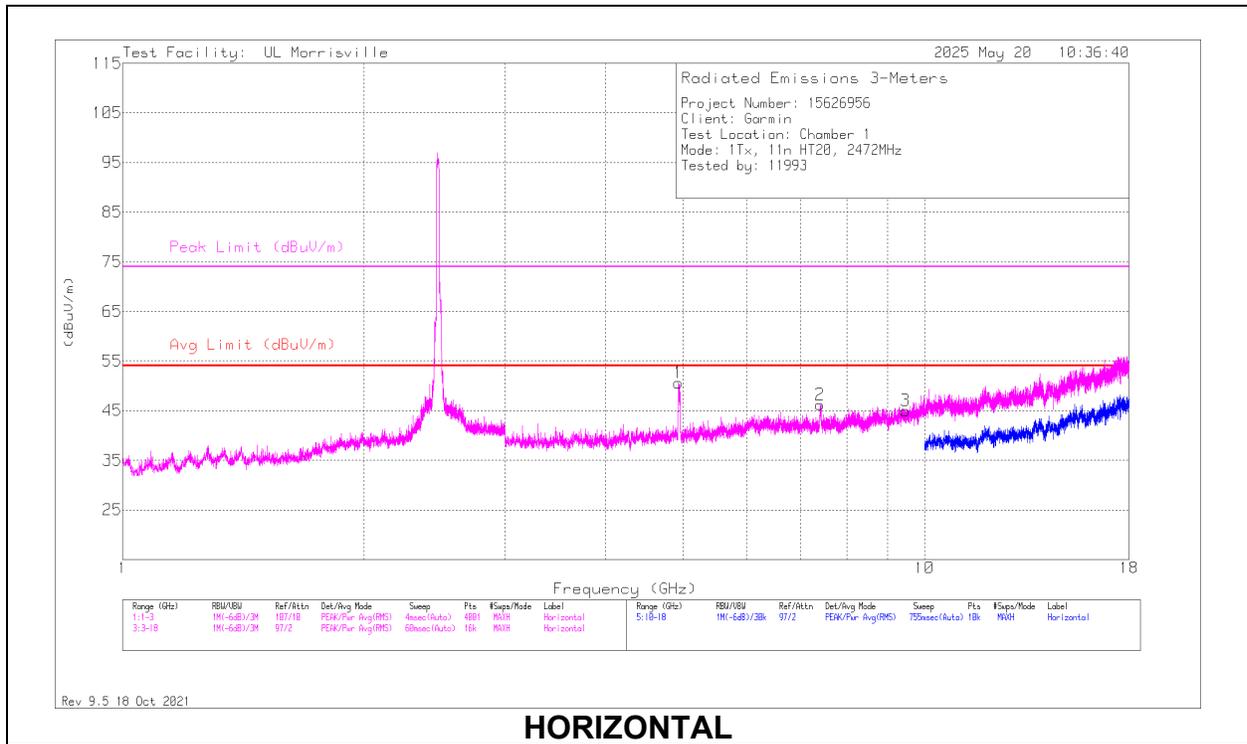
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

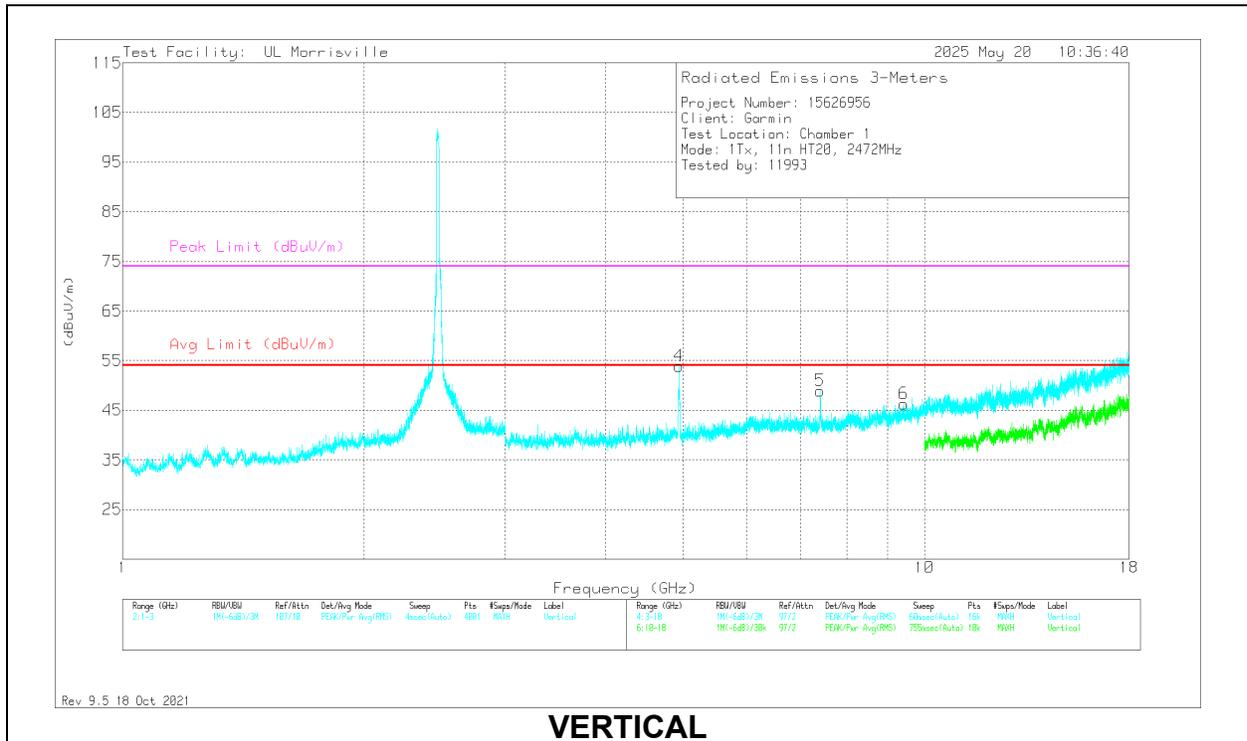
PK2 - Maximum Peak

ADV - Linear Voltage Average

### HIGH CHANNEL, CH 13 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	*** 4.94297	67.65	PK2	34.1	-44.3	57.45	-	-	74	-16.55	147	153	H
	*** 4.94467	48.25	ADV	34.1	-44.4	37.95	54	-16.05	-	-	147	153	H
2	*** 7.41188	52.11	Pk	35.4	-41.3	46.21	54	-7.79	74	-27.79	0-360	200	H
	*** 9.47906	49.12	Pk	36.4	-40.6	44.92	54	-9.08	74	-29.08	0-360	200	H
4	*** 4.94137	68.12	PK2	34.1	-44.3	57.92	-	-	74	-16.08	124	127	V
	*** 4.94336	48.67	ADV	34.1	-44.3	38.47	54	-15.53	-	-	124	127	V
5	*** 7.41535	57.75	PK2	35.4	-41.2	51.95	-	-	74	-22.05	179	124	V
	*** 7.41393	43.47	ADV	35.4	-41.2	37.67	54	-16.33	-	-	179	124	V
6	*** 9.42281	50.17	Pk	36.3	-40.2	46.27	54	-7.73	74	-27.73	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

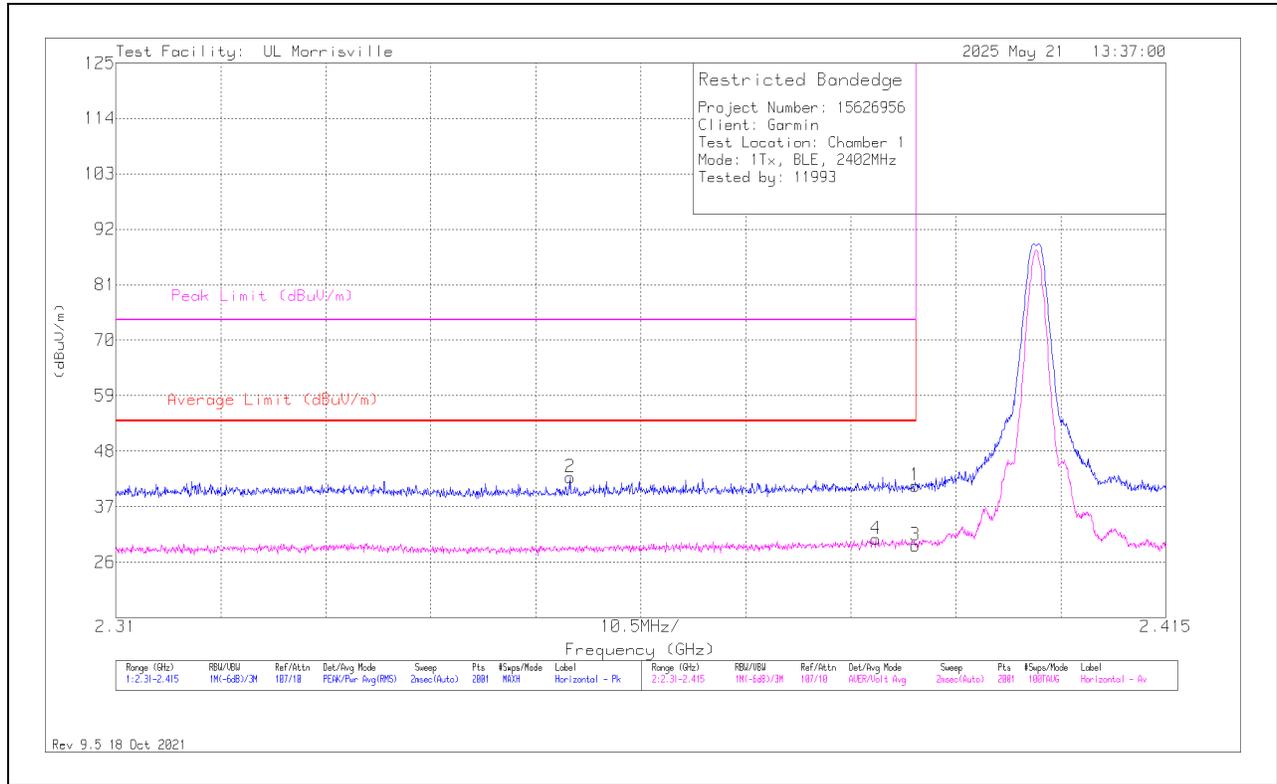
PK2 - Maximum Peak

ADV - Linear Voltage Average

### 10.1.4. BLE (1Mbps)

### BANDEDGE (LOW CHANNEL 37)

### 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	33.23	Pk	31.9	-24	41.13	-	-	74	-32.87	79	202	H
2	*** 2.35547	35.5	Pk	31.8	-24.5	42.8	-	-	74	-31.2	79	202	H
3	*** 2.38996	21.42	ADV	31.9	-24	29.32	54	-24.68	-	-	79	202	H
4	*** 2.38602	22.61	ADV	31.9	-23.9	30.61	54	-23.39	-	-	79	202	H

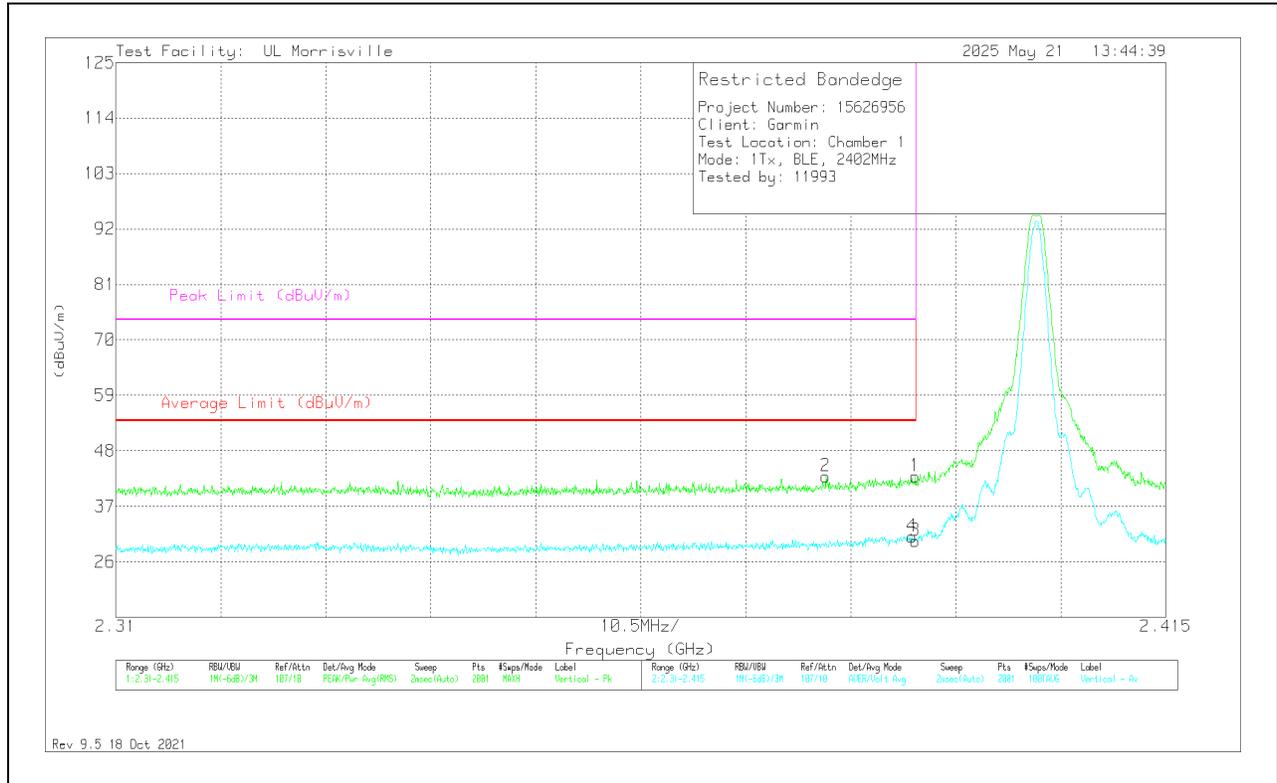
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

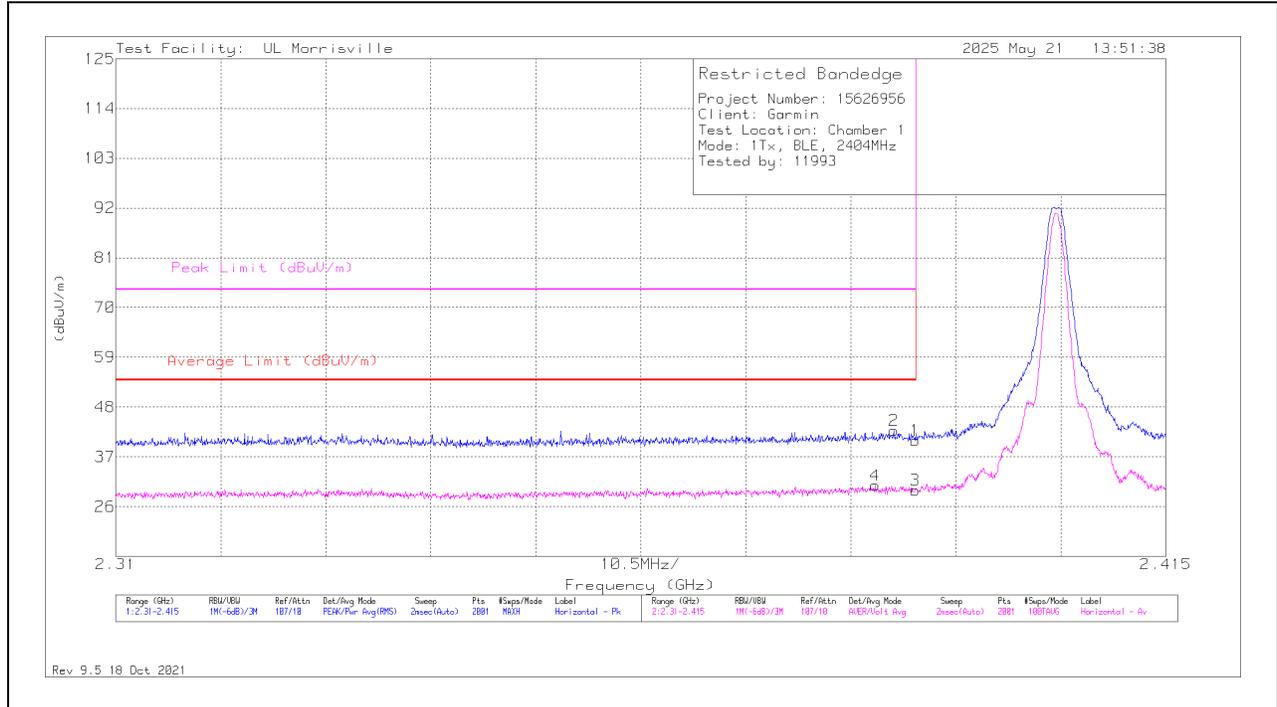


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	35.03	Pk	31.9	-24	42.93	-	-	74	-31.07	163	227	V
2	*** 2.38098	35.16	Pk	31.9	-24.1	42.96	-	-	74	-31.04	163	227	V
3	*** 2.38996	22.27	ADV	31.9	-24	30.17	54	-23.83	-	-	163	227	V
4	*** 2.38959	23.12	ADV	31.9	-24	31.02	54	-22.98	-	-	163	227	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 0)**

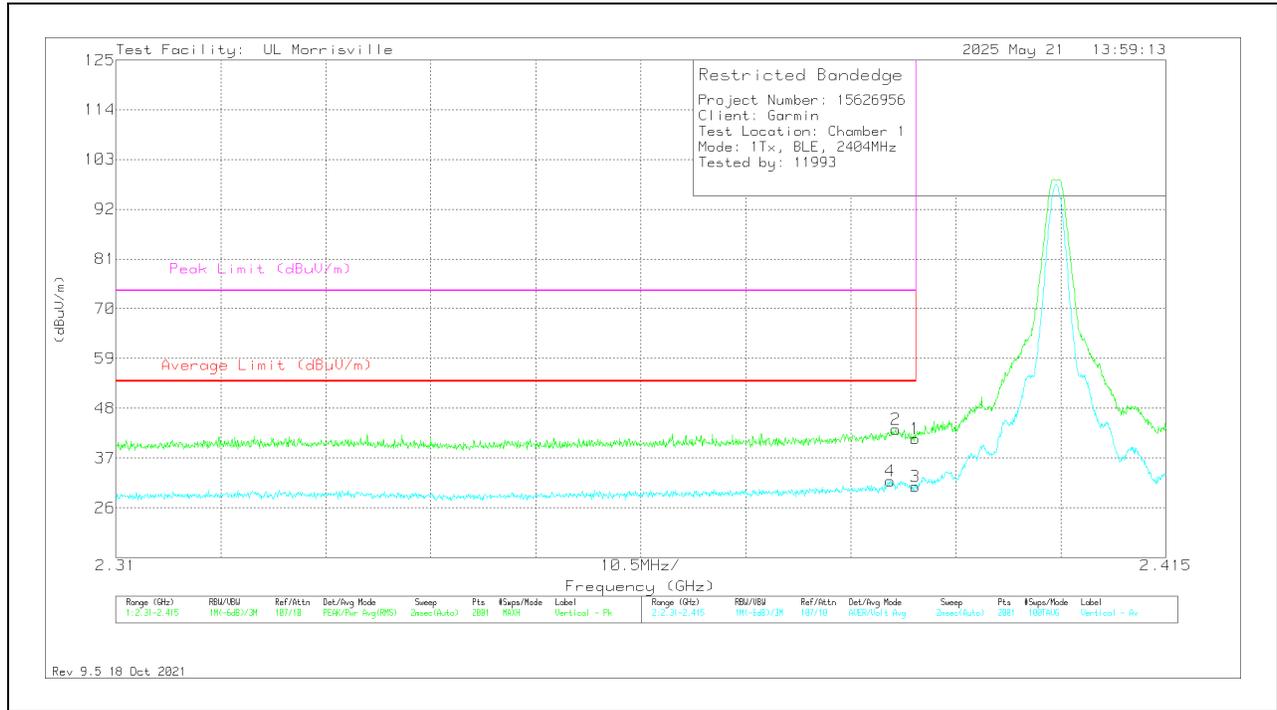
**HORIZONTAL RESULT**



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	32.67	Pk	31.9	-24	40.57	-	-	74	-33.43	92	208	H
2	* ** 2.38781	34.79	Pk	31.9	-23.9	42.79	-	-	74	-31.21	92	208	H
3	* ** 2.38996	21.69	ADV	31.9	-24	29.59	54	-24.41	-	-	92	208	H
4	* ** 2.38592	22.63	ADV	31.9	-23.9	30.63	54	-23.37	-	-	92	208	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

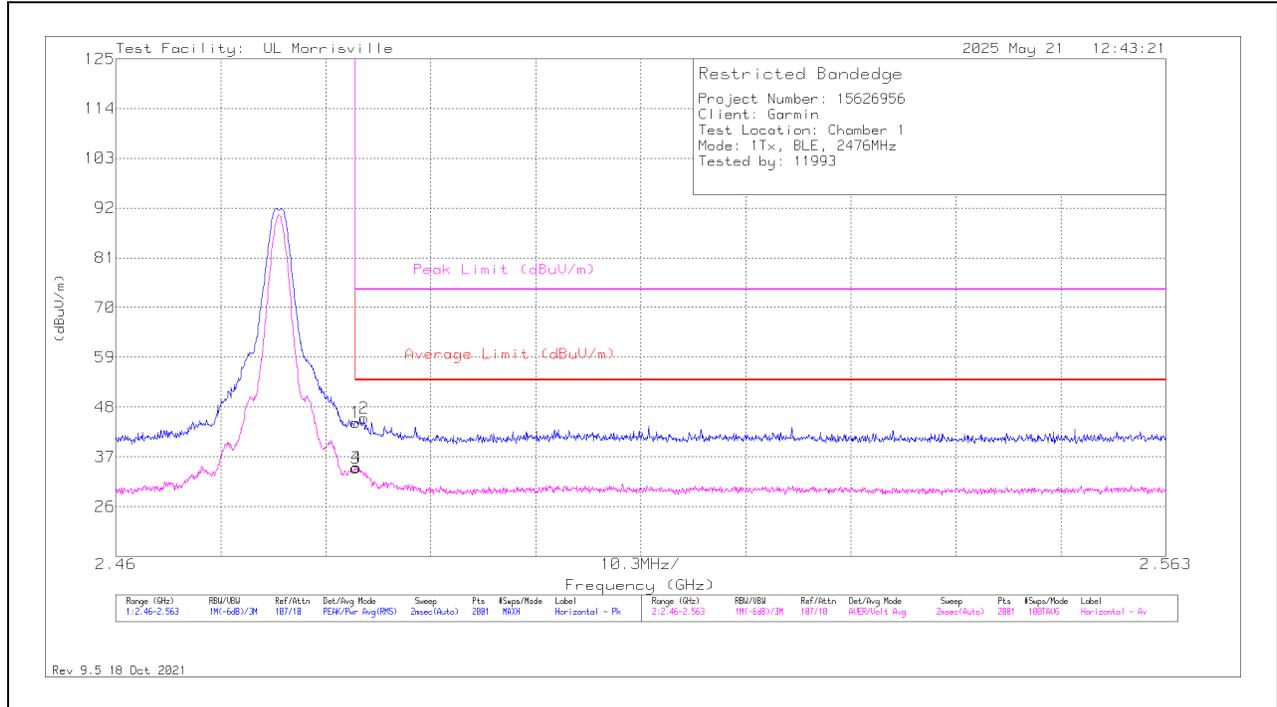


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	33.38	Pk	31.9	-24	41.28	-	-	74	-32.72	165	215	V
2	* ** 2.38802	35.4	Pk	31.9	-23.9	43.4	-	-	74	-30.6	165	215	V
3	* ** 2.38996	22.81	ADV	31.9	-24	30.71	54	-23.29	-	-	165	215	V
4	* ** 2.38744	23.96	ADV	31.9	-23.9	31.96	54	-22.04	-	-	165	215	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 35)**

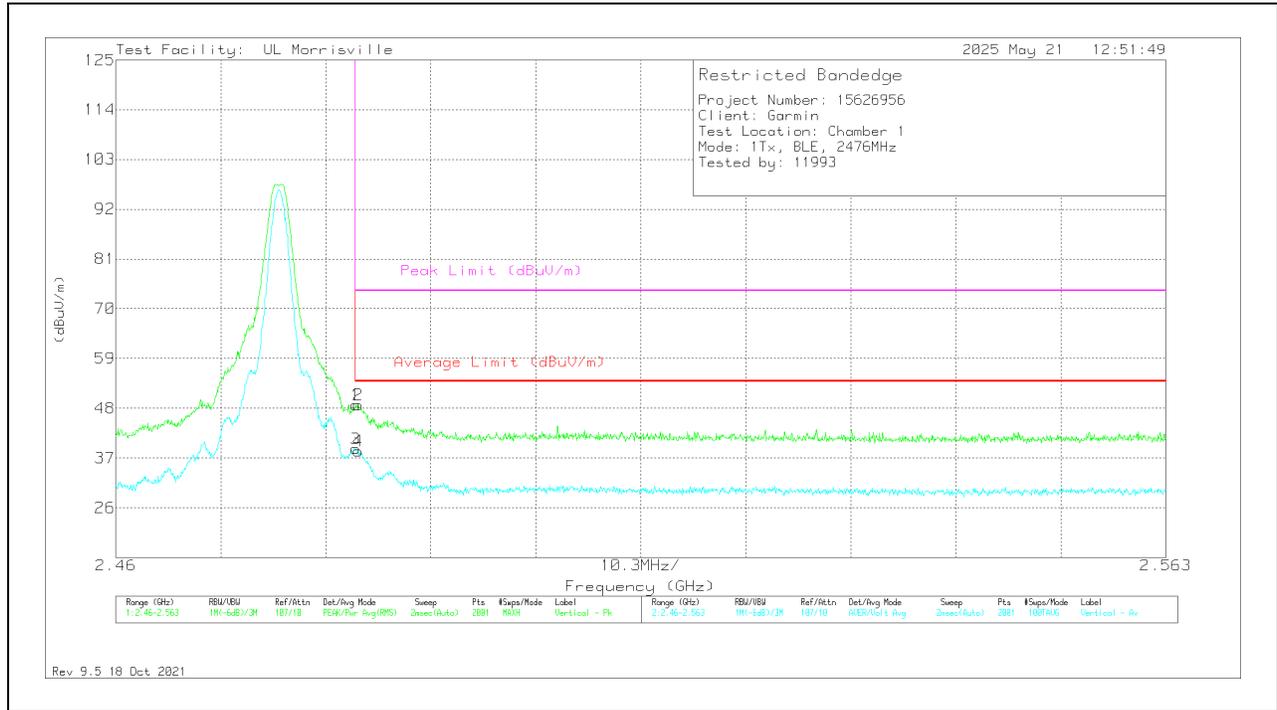
**HORIZONTAL RESULT**



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	36.06	Pk	32.2	-23.7	44.56	-	-	74	-29.44	200	329	H
2	* ** 2.48436	37.18	Pk	32.2	-23.8	45.58	-	-	74	-28.42	200	329	H
3	* ** 2.48354	25.99	ADV	32.2	-23.7	34.49	54	-19.51	-	-	200	329	H
4	* ** 2.48359	26.23	ADV	32.2	-23.7	34.73	54	-19.27	-	-	200	329	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

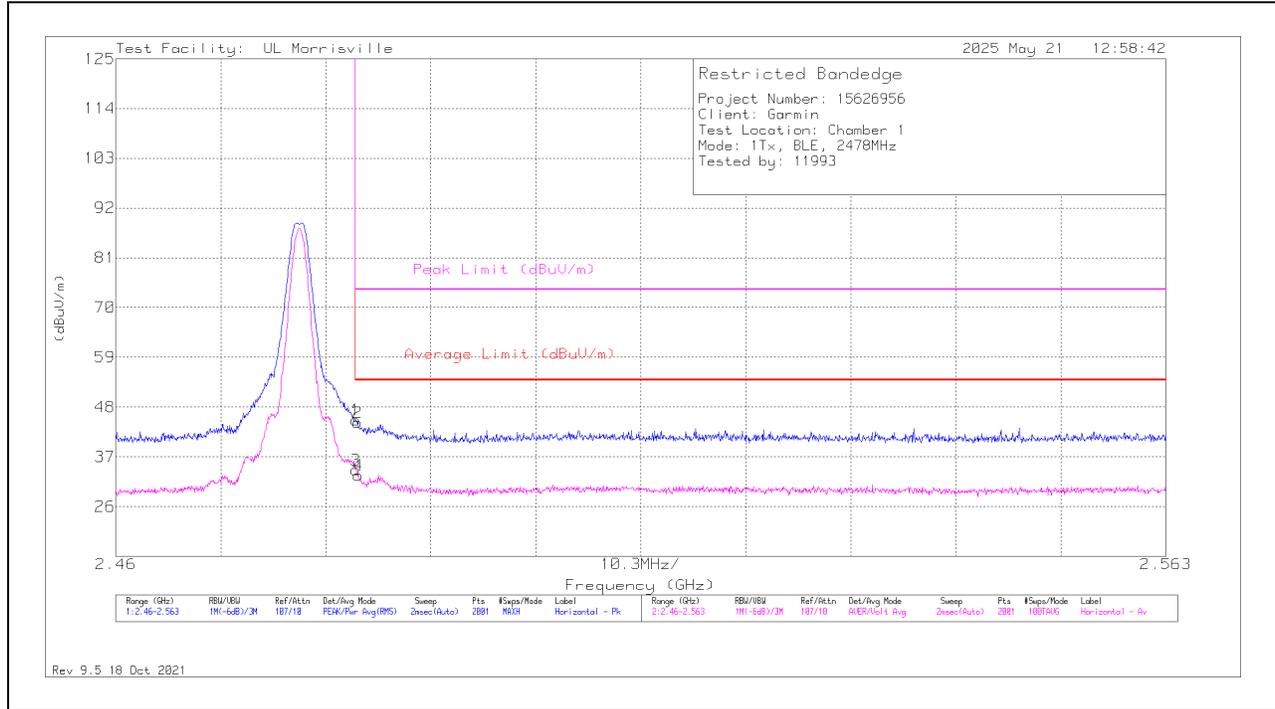


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	40.21	Pk	32.2	-23.7	48.71	-	-	74	-25.29	160	232	V
2	*** 2.48379	40.2	Pk	32.2	-23.7	48.7	-	-	74	-25.3	160	232	V
3	*** 2.48354	30.52	ADV	32.2	-23.7	39.02	54	-14.98	-	-	160	232	V
4	*** 2.48379	30.06	ADV	32.2	-23.7	38.56	54	-15.44	-	-	160	232	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 36)**

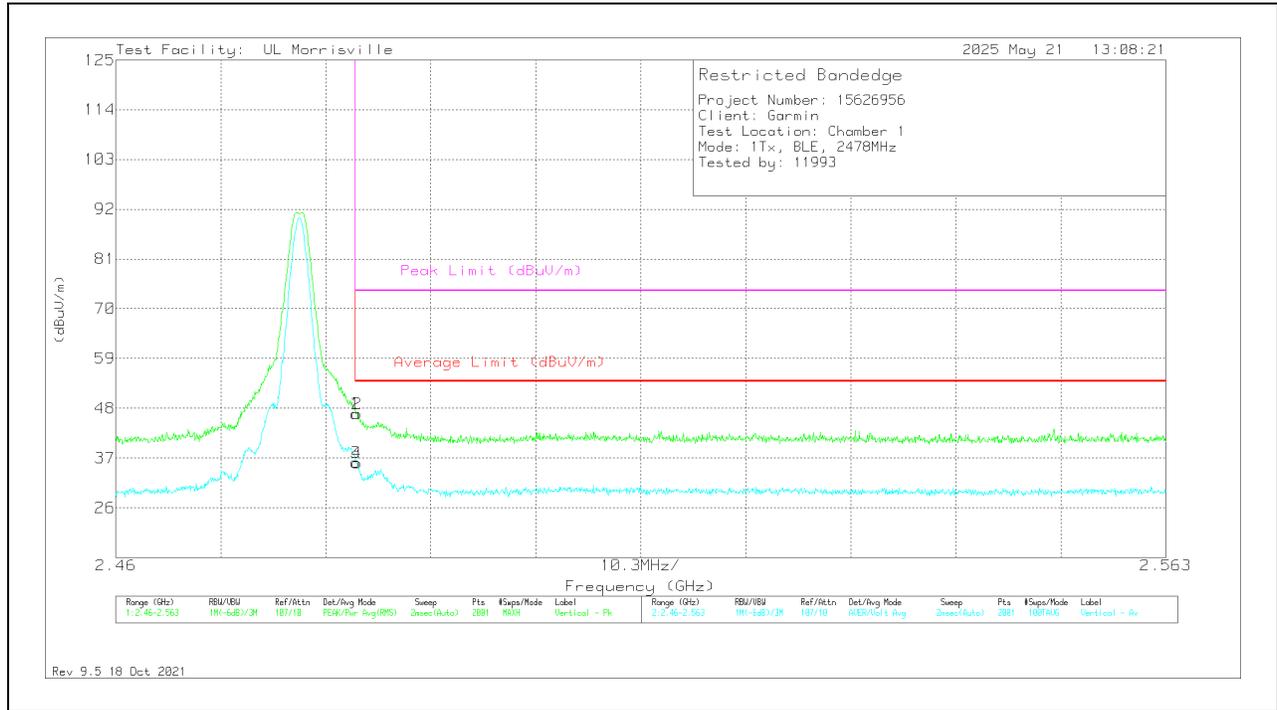
**HORIZONTAL RESULT**



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	36.61	Pk	32.2	-23.7	45.11	-	-	74	-28.89	207	351	H
2	* ** 2.48374	36.04	Pk	32.2	-23.7	44.54	-	-	74	-29.46	207	351	H
3	* ** 2.48354	25.56	ADV	32.2	-23.7	34.06	54	-19.94	-	-	207	351	H
4	* ** 2.48379	24.41	ADV	32.2	-23.7	32.91	54	-21.09	-	-	207	351	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

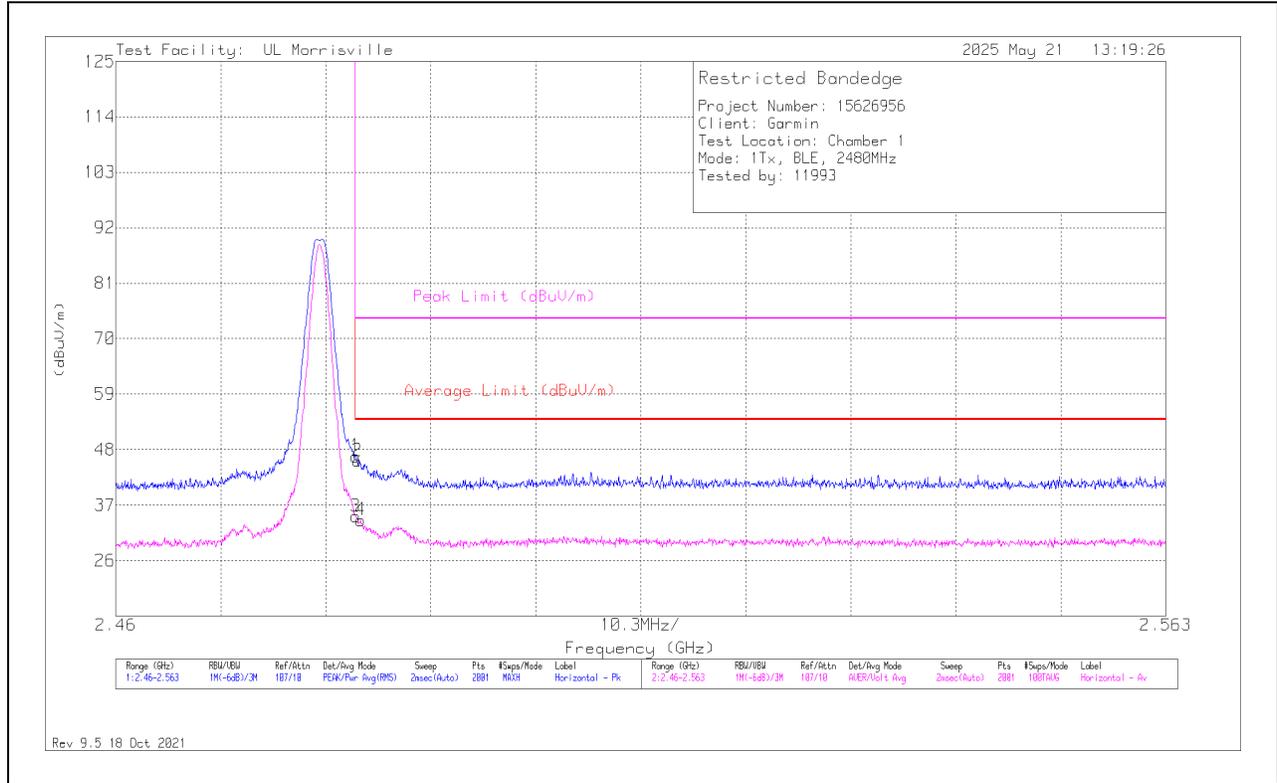


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	38.32	Pk	32.2	-23.7	46.82	-	-	74	-27.18	272	123	V
2	*** 2.48364	38.25	Pk	32.2	-23.7	46.75	-	-	74	-27.25	272	123	V
3	*** 2.48354	27.5	ADV	32.2	-23.7	36	54	-18	-	-	272	123	V
4	*** 2.48364	27.41	ADV	32.2	-23.7	35.91	54	-18.09	-	-	272	123	V

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

**BANDEGE (HIGH CHANNEL 39)**

**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	38.2	Pk	32.2	-23.7	46.7	-	-	74	-27.3	267	117	H
2	* ** 2.48369	37.26	Pk	32.2	-23.7	45.76	-	-	74	-28.24	267	117	H
3	* ** 2.48354	26.25	ADV	32.2	-23.7	34.75	54	-19.25	-	-	267	117	H
4	* ** 2.484	25.65	ADV	32.2	-23.8	34.05	54	-19.95	-	-	267	117	H

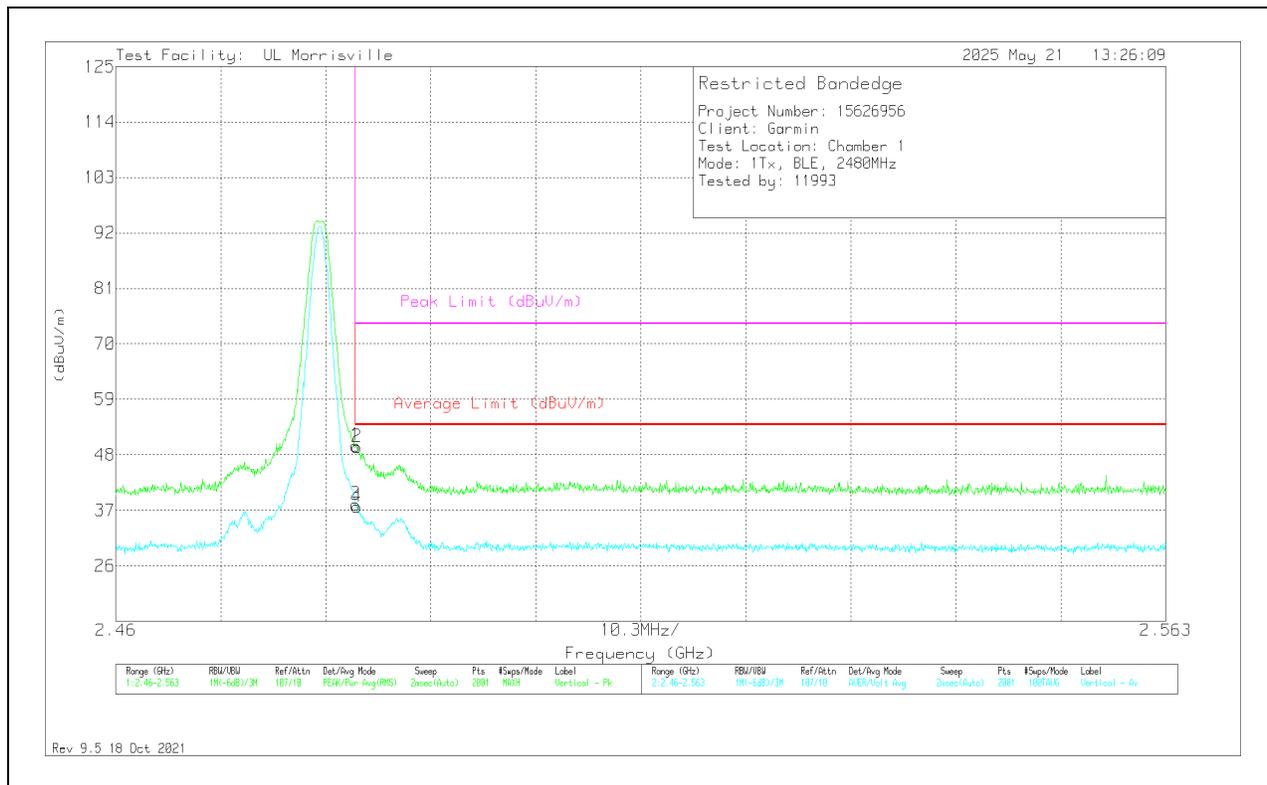
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - 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	*** 2.48354	41.32	Pk	32.2	-23.7	49.82	-	-	74	-24.18	159	233	V
2	*** 2.48364	41.1	Pk	32.2	-23.7	49.6	-	-	74	-24.4	159	233	V
3	*** 2.48354	29.68	ADV	32.2	-23.7	38.18	54	-15.82	-	-	159	233	V
4	*** 2.48364	29.24	ADV	32.2	-23.7	37.74	54	-16.26	-	-	159	233	V

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

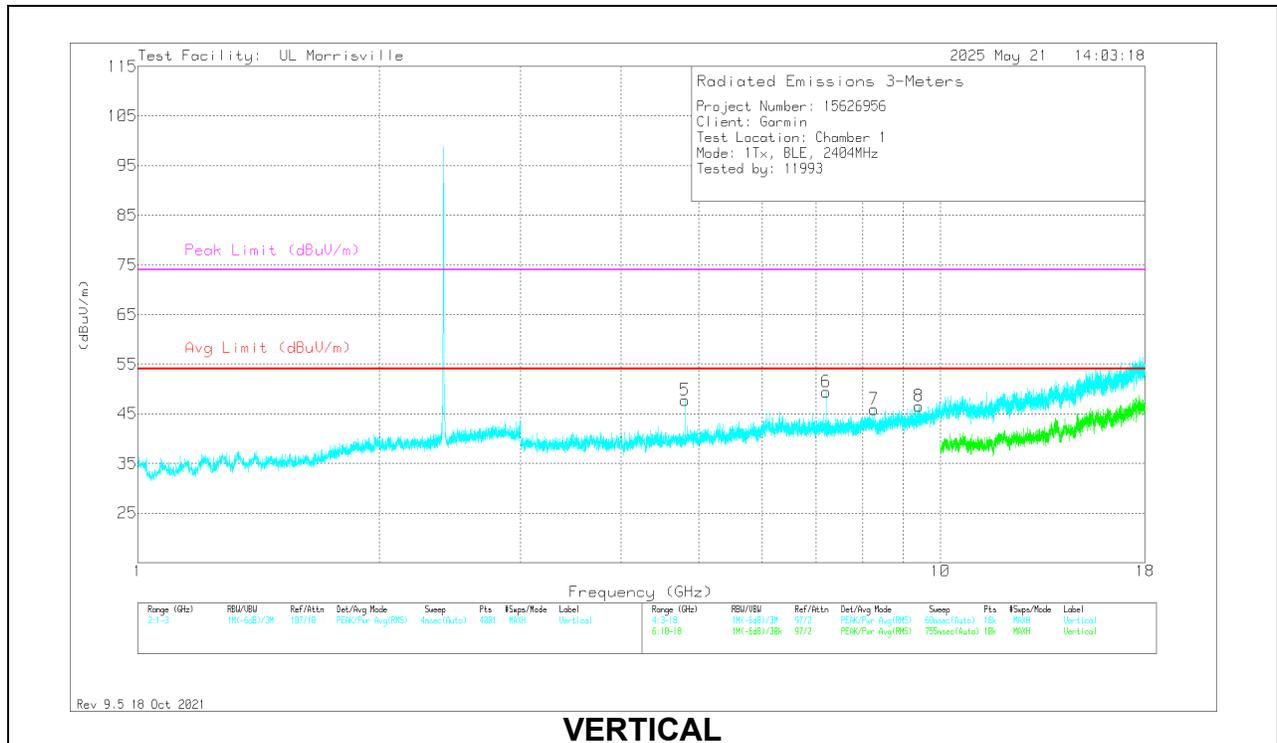
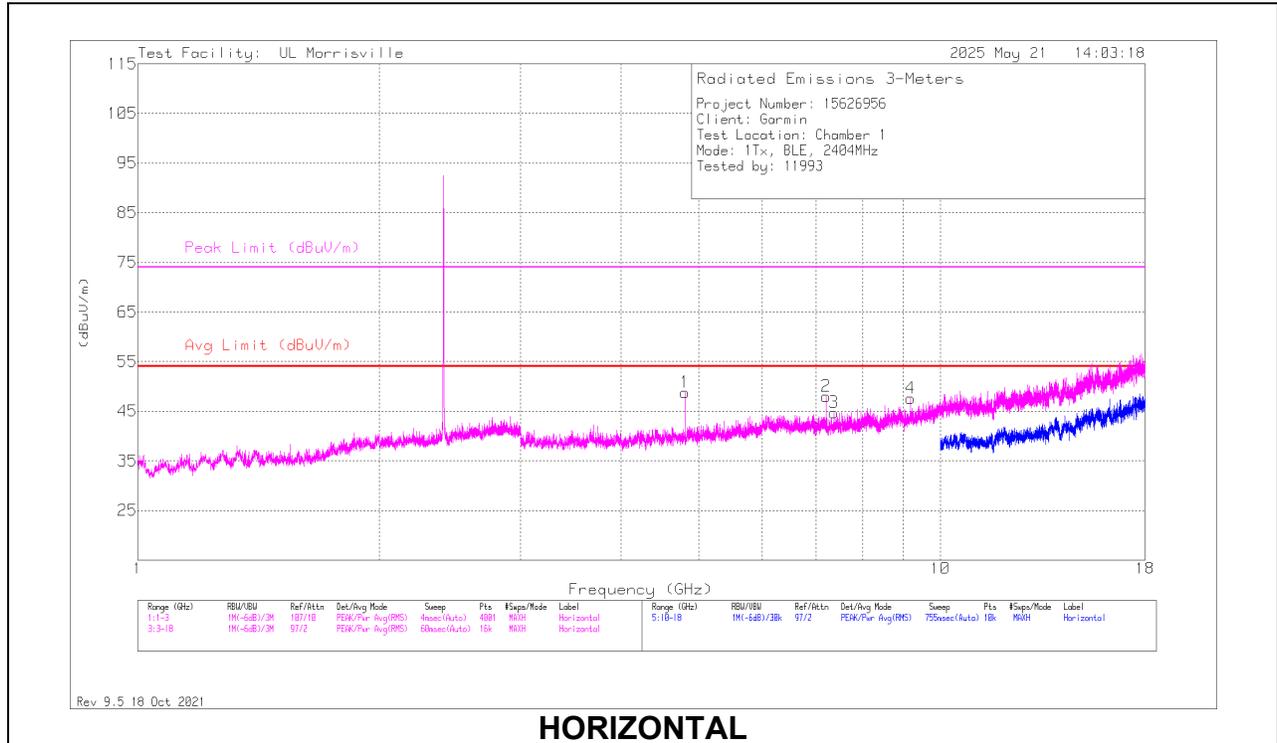
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL 0 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	*** 4.80852	62.56	PK2	33.9	-45.7	50.76	-	-	74	-23.24	34	108	H
	*** 4.80754	49.84	ADV	33.9	-45.7	38.04	54	-15.96	-	-	34	108	H
3	*** 7.37063	50.73	Pk	35.4	-41.4	44.73	54	-9.27	74	-29.27	0-360	200	H
4	*** 9.18188	51.42	Pk	36	-39.8	47.62	54	-6.38	74	-26.38	0-360	101	H
5	*** 4.80844	59.55	Pk	33.9	-45.7	47.75	54	-6.25	74	-26.25	0-360	101	V
7	*** 8.2725	50.72	Pk	35.9	-40.7	45.92	54	-8.08	74	-28.08	0-360	200	V
8	*** 9.39938	50.62	Pk	36.3	-40.4	46.52	54	-7.48	74	-27.48	0-360	101	V
2	7.21125	55.07	Pk	35.4	-42.5	47.97	-	-	-	-	0-360	200	H
6	7.21125	56.51	Pk	35.4	-42.5	49.41	-	-	-	-	0-360	101	V

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

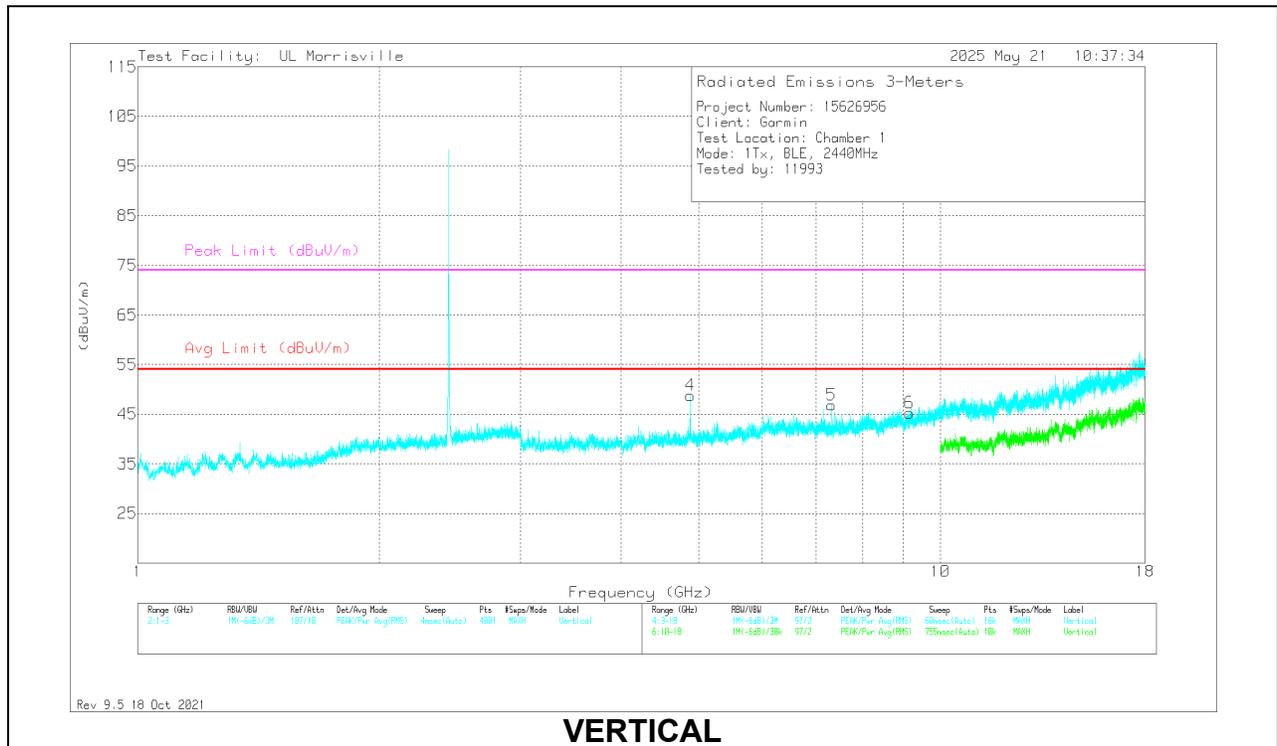
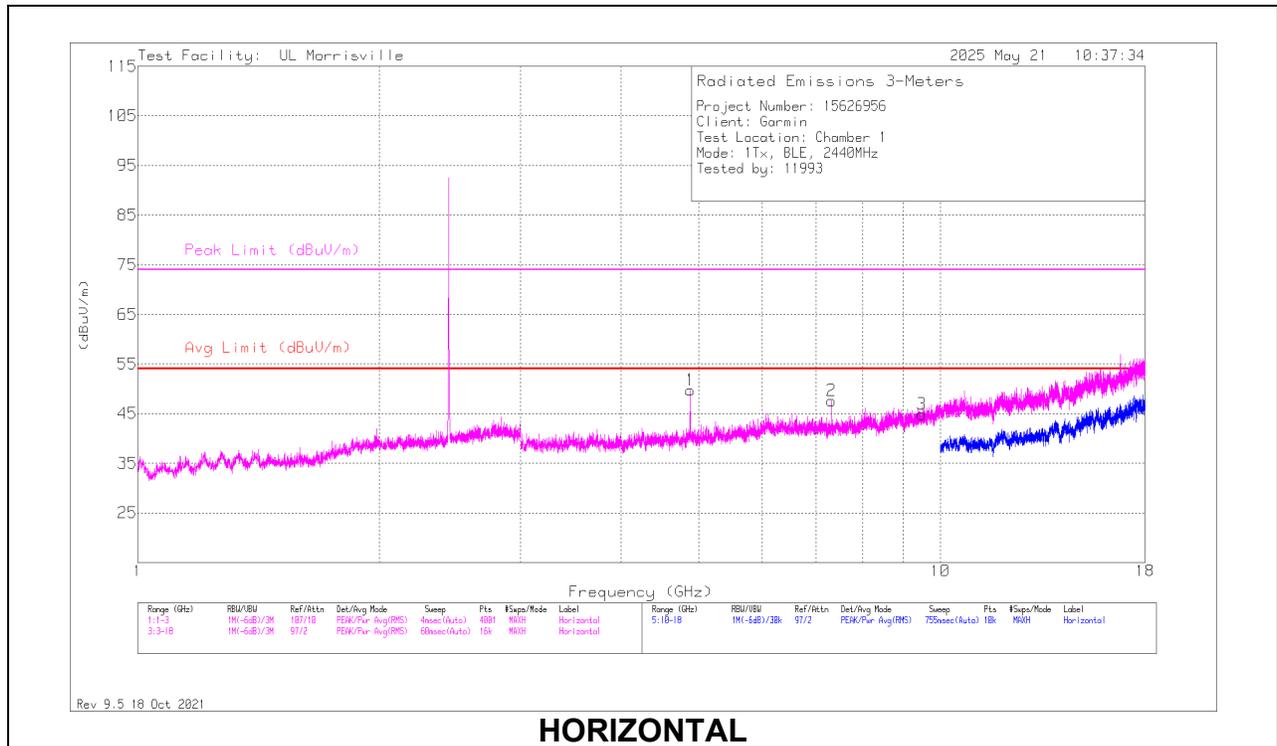
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

### MID CHANNEL 17 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	*** 4.88044	63.63	PK2	34	-44.7	52.93	-	-	74	-21.07	35	102	H
	*** 4.87938	51.33	ADV	34	-44.7	40.63	54	-13.37	-	-	35	102	H
2	*** 7.32094	53.95	Pk	35.4	-41.8	47.55	54	-6.45	74	-26.45	0-360	200	H
3	*** 9.48188	48.99	Pk	36.4	-40.5	44.89	54	-9.11	74	-29.11	0-360	101	H
4	*** 4.88064	63.36	PK2	34	-44.7	52.66	-	-	74	-21.34	123	302	V
	*** 4.8795	51.76	ADV	34	-44.7	41.06	54	-12.94	-	-	123	302	V
5	*** 7.32094	53.26	Pk	35.4	-41.8	46.86	54	-7.14	74	-27.14	0-360	200	V
6	*** 9.15469	49.51	Pk	35.9	-40.2	45.21	54	-8.79	74	-28.79	0-360	200	V

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

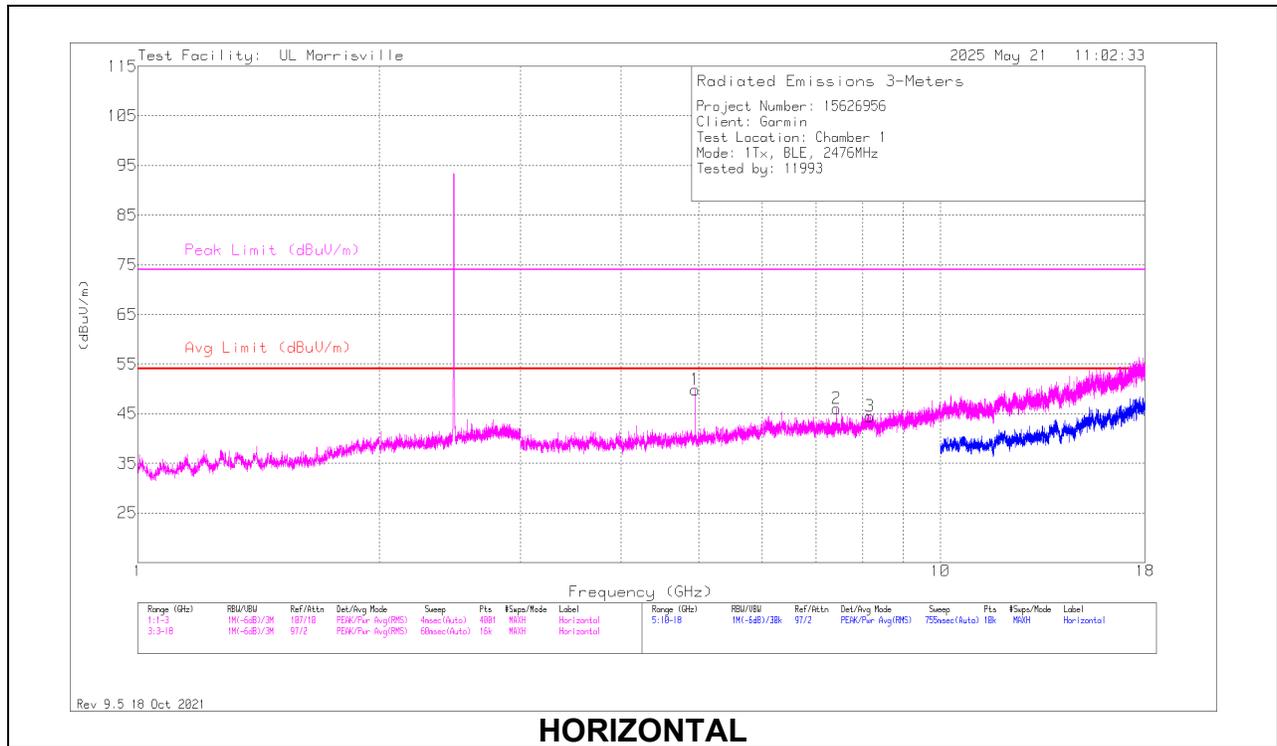
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

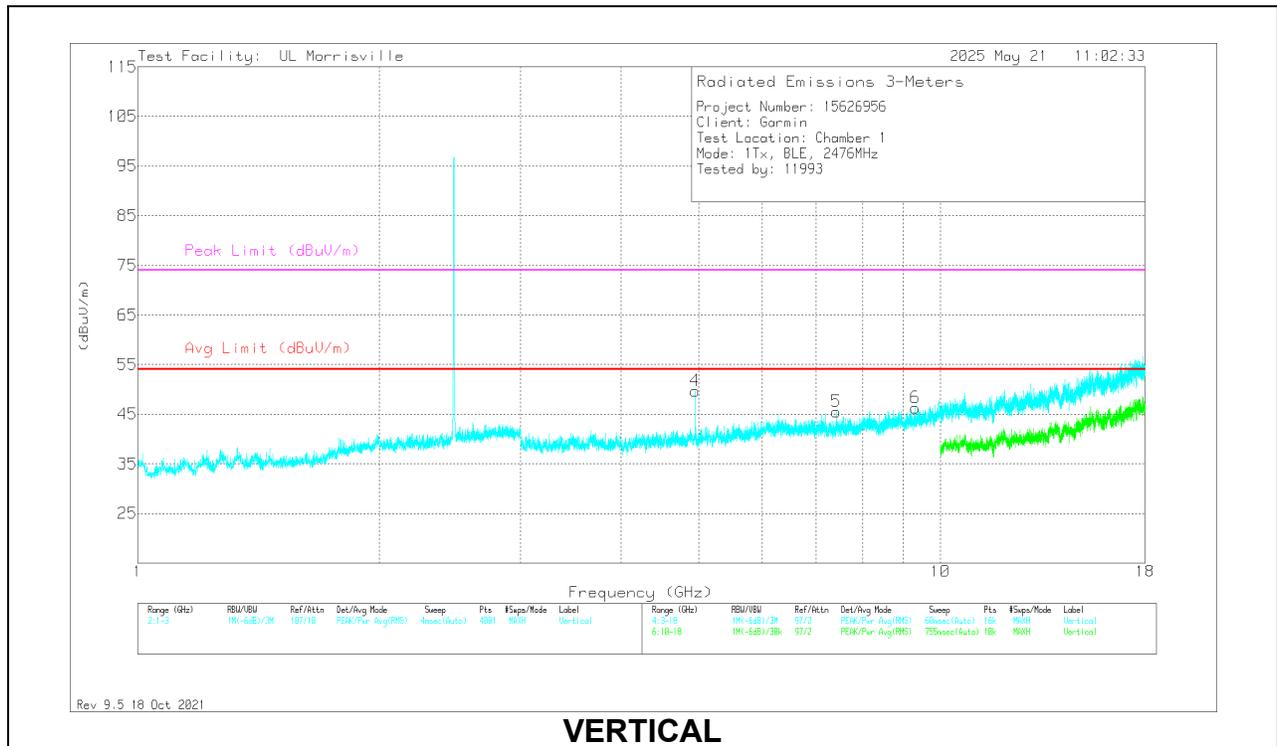
PK2 - Maximum Peak

ADV - Linear Voltage Average

### HIGH CHANNEL 35 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	*** 4.95141	64.26	PK2	34.2	-44.6	53.86	-	-	74	-20.14	275	125	H
	*** 4.95147	52.92	ADV	34.2	-44.7	42.42	54	-11.58	-	-	275	125	H
2	*** 7.42875	51.7	Pk	35.4	-41.1	46	54	-8	74	-28	0-360	199	H
3	*** 8.17219	49.5	Pk	35.9	-40.9	44.5	54	-9.5	74	-29.5	0-360	199	H
4	*** 4.95143	64.7	PK2	34.2	-44.6	54.3	-	-	74	-19.7	129	331	V
	*** 4.95253	52.68	ADV	34.2	-44.7	42.18	54	-11.82	-	-	129	331	V
5	*** 7.42688	51.25	Pk	35.4	-41.2	45.45	54	-8.55	74	-28.55	0-360	200	V
6	*** 9.30938	50.06	Pk	36.1	-39.9	46.26	54	-7.74	74	-27.74	0-360	200	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

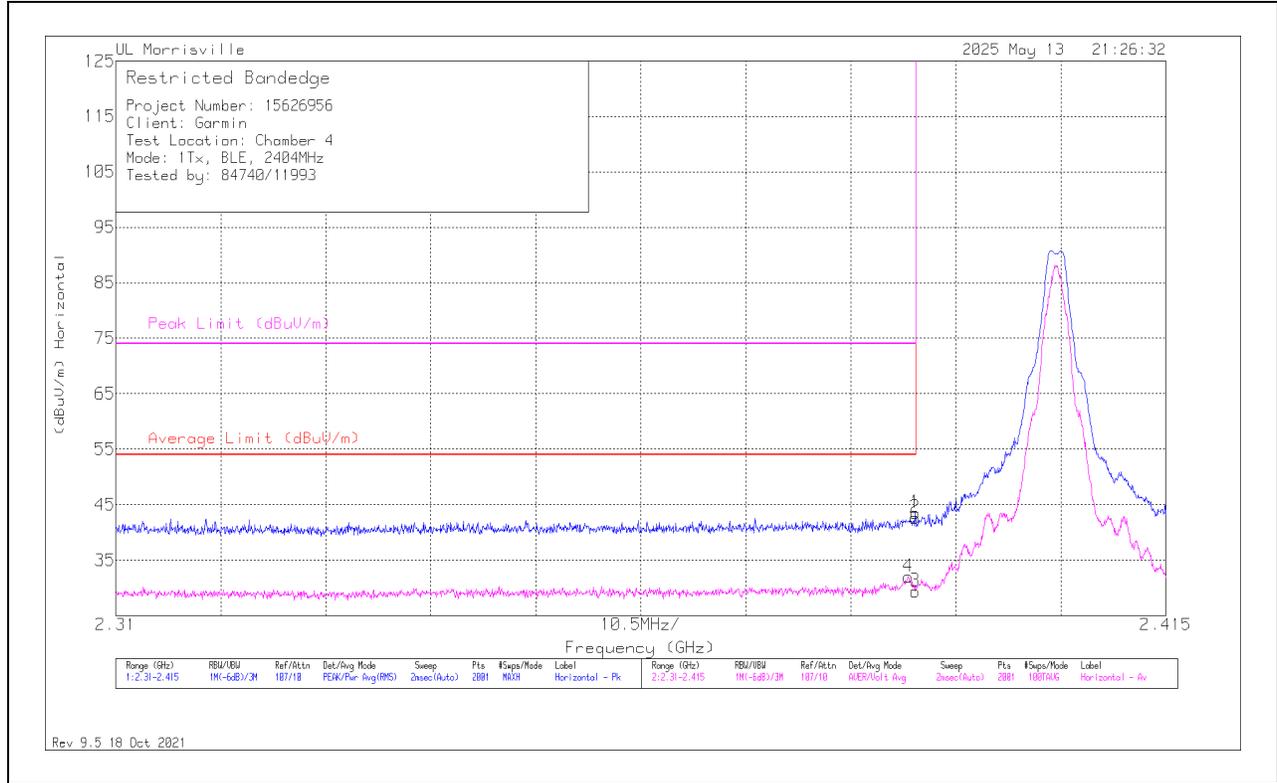
PK2 - Maximum Peak

ADV - Linear Voltage Average

### 10.1.5. BLE (2Mbps)

### BANDEDGE (LOW CHANNEL 0)

### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	34.77	Pk	32	-23.2	43.57	-	-	74	-30.43	252	296	H
2	* ** 2.38991	33.86	Pk	32	-23.2	42.66	-	-	74	-31.34	252	296	H
3	* ** 2.38996	20.59	ADV	32	-23.2	29.39	54	-24.61	-	-	252	296	H
4	* ** 2.38922	23.17	ADV	32	-23.2	31.97	54	-22.03	-	-	252	296	H

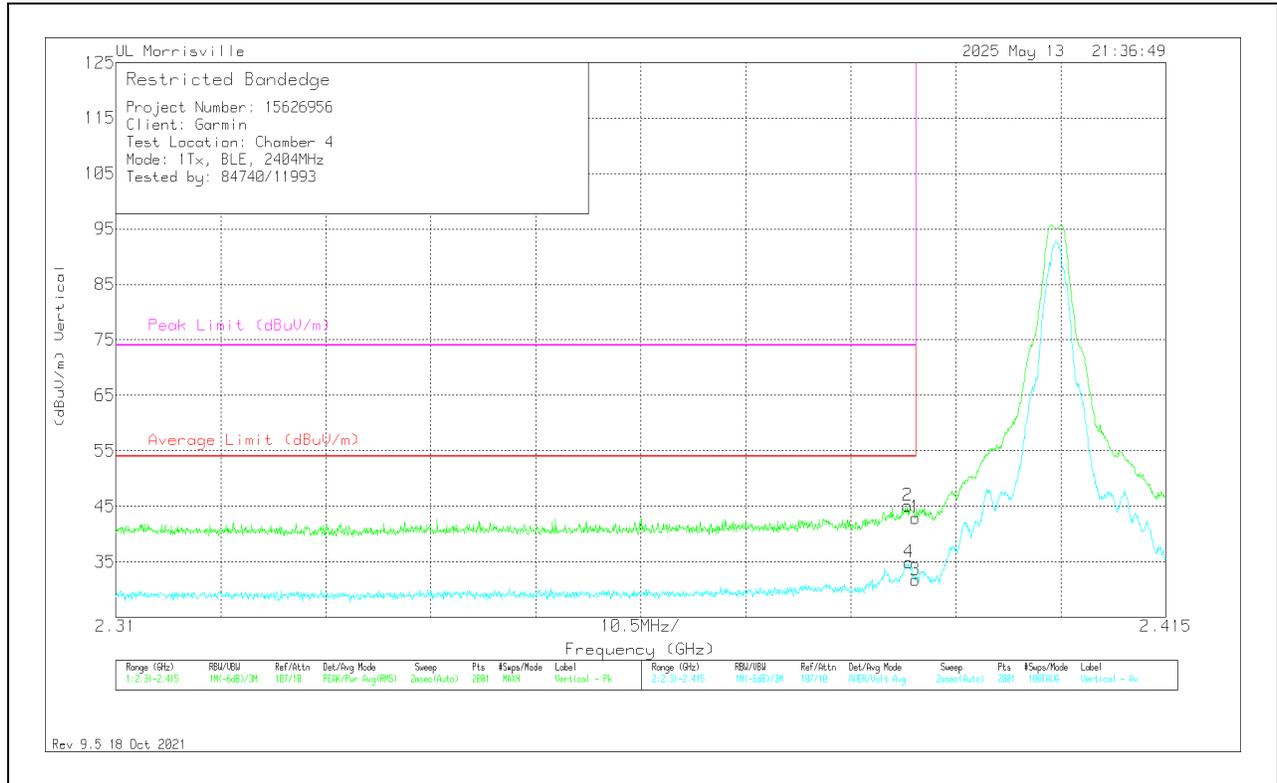
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

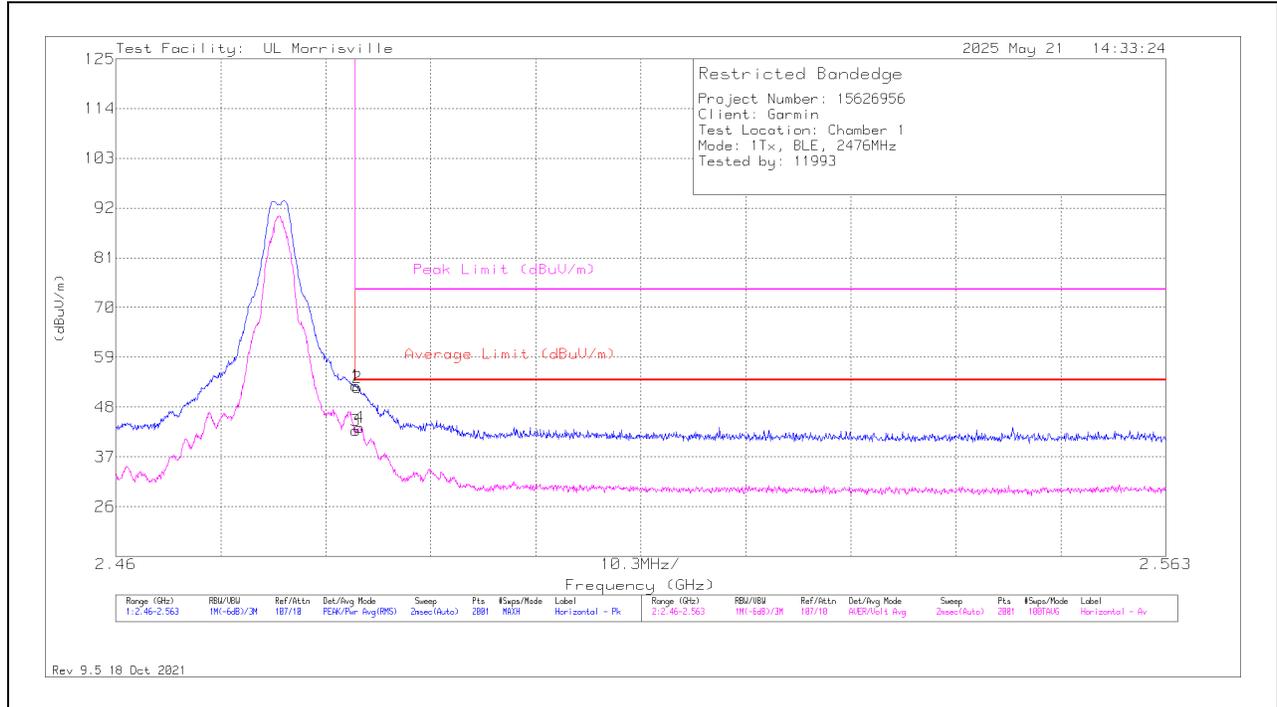


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	34.13	Pk	32	-23.2	42.93	-	-	74	-31.07	229	262	V
2	*** 2.38917	36.29	Pk	32	-23.2	45.09	-	-	74	-28.91	229	262	V
3	*** 2.38996	22.89	ADV	32	-23.2	31.69	54	-22.31	-	-	229	262	V
4	*** 2.38933	26.06	ADV	32	-23.2	34.86	54	-19.14	-	-	229	262	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 35)**

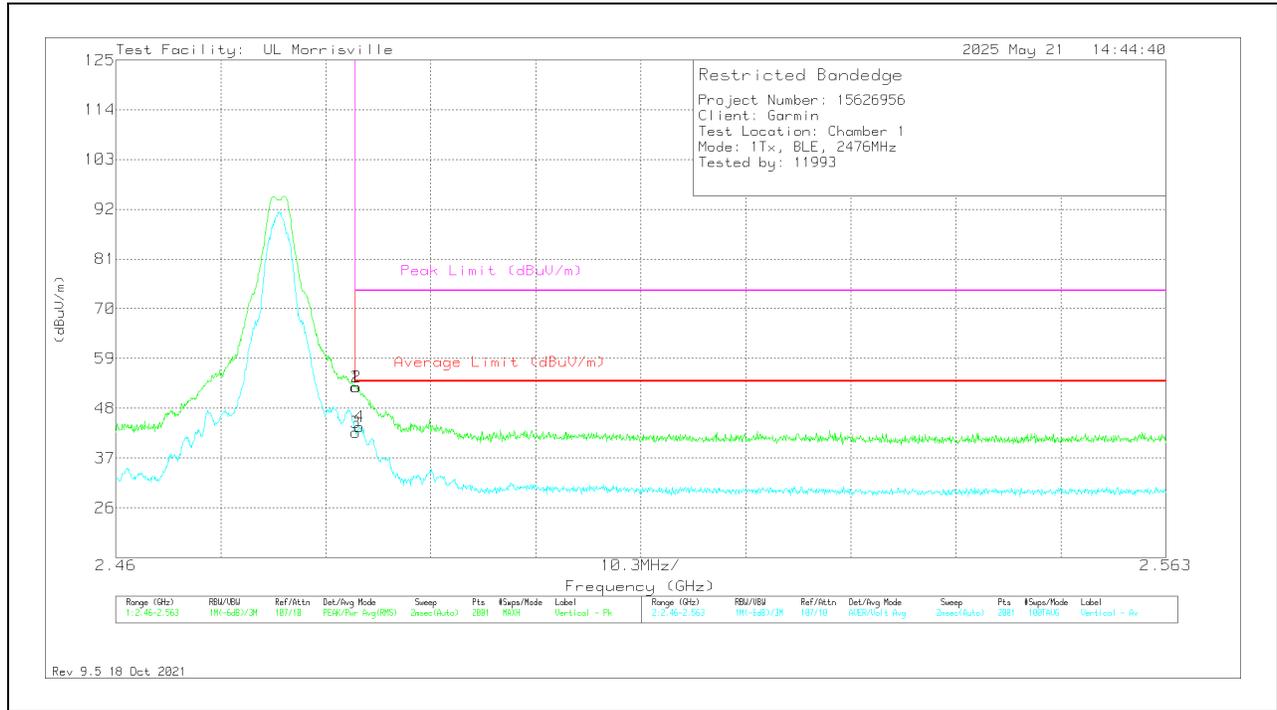
**HORIZONTAL RESULT**



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	44.26	Pk	32.2	-23.7	52.76	-	-	74	-21.24	268	116	H
2	* ** 2.48369	43.82	Pk	32.2	-23.7	52.32	-	-	74	-21.68	268	116	H
3	* ** 2.48354	34.27	ADV	32.2	-23.7	42.77	54	-11.23	-	-	268	116	H
4	* ** 2.4839	34.97	ADV	32.2	-23.7	43.47	54	-10.53	-	-	268	116	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	44.15	Pk	32.2	-23.7	52.65	-	-	74	-21.35	14	120	V
2	*** 2.48359	44.23	Pk	32.2	-23.7	52.73	-	-	74	-21.27	14	120	V
3	*** 2.48354	34.17	ADV	32.2	-23.7	42.67	54	-11.33	-	-	14	120	V
4	*** 2.4839	35.4	ADV	32.2	-23.7	43.9	54	-10.1	-	-	14	120	V

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

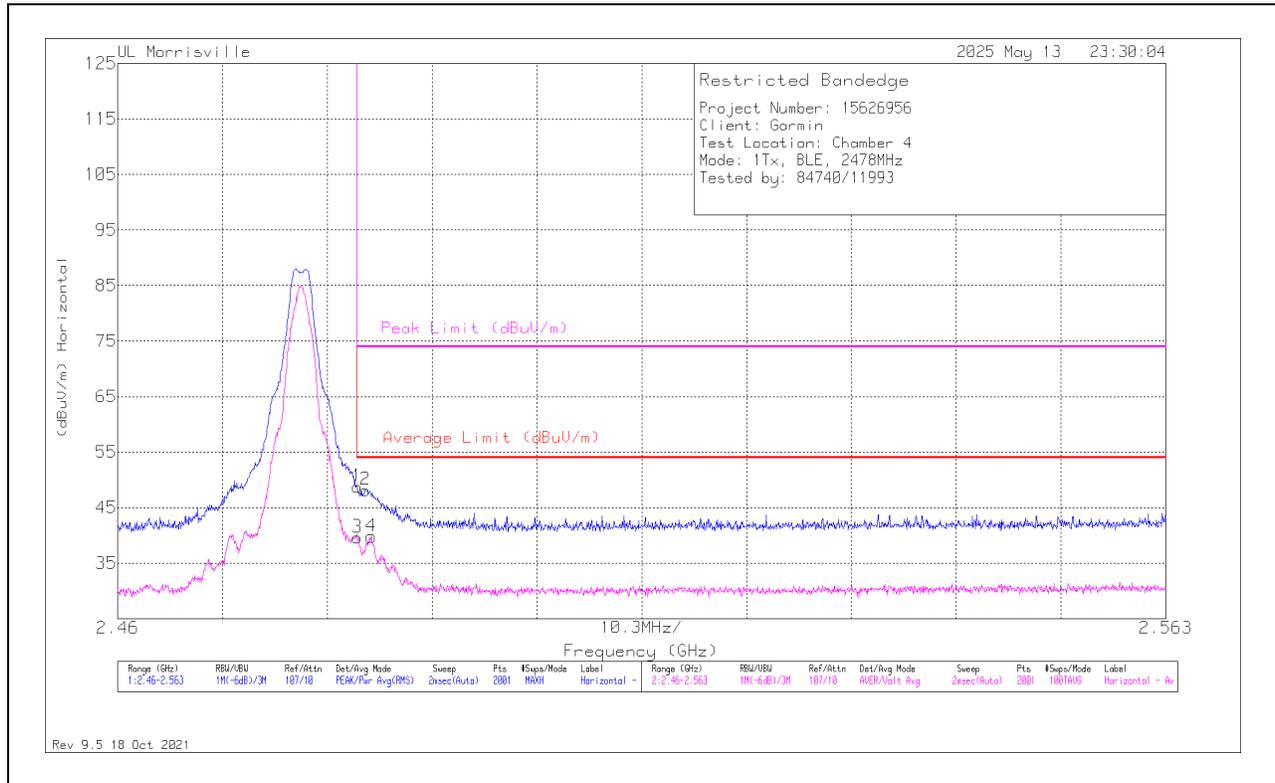
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

**BANDEDGE (HIGH CHANNEL 36)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.48354	39.3	Pk	32.3	-22.8	48.8	-	-	74	-25.2	166	282	H
2	*** 2.48436	38.68	Pk	32.3	-22.8	48.18	-	-	74	-25.82	166	282	H
3	*** 2.48354	30.11	ADV	32.3	-22.8	39.61	54	-14.39	-	-	166	282	H
4	*** 2.48493	30.3	ADV	32.3	-22.8	39.8	54	-14.2	-	-	166	282	H

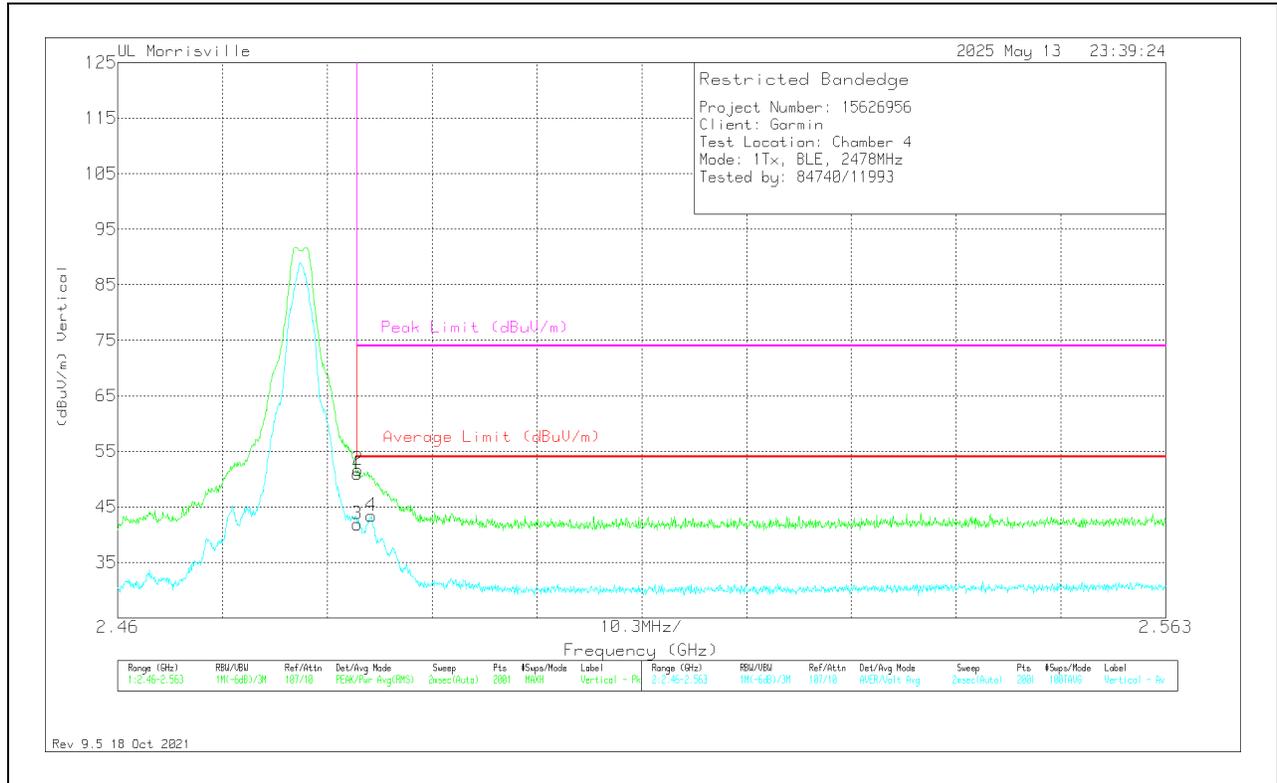
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

### VERTICAL RESULT

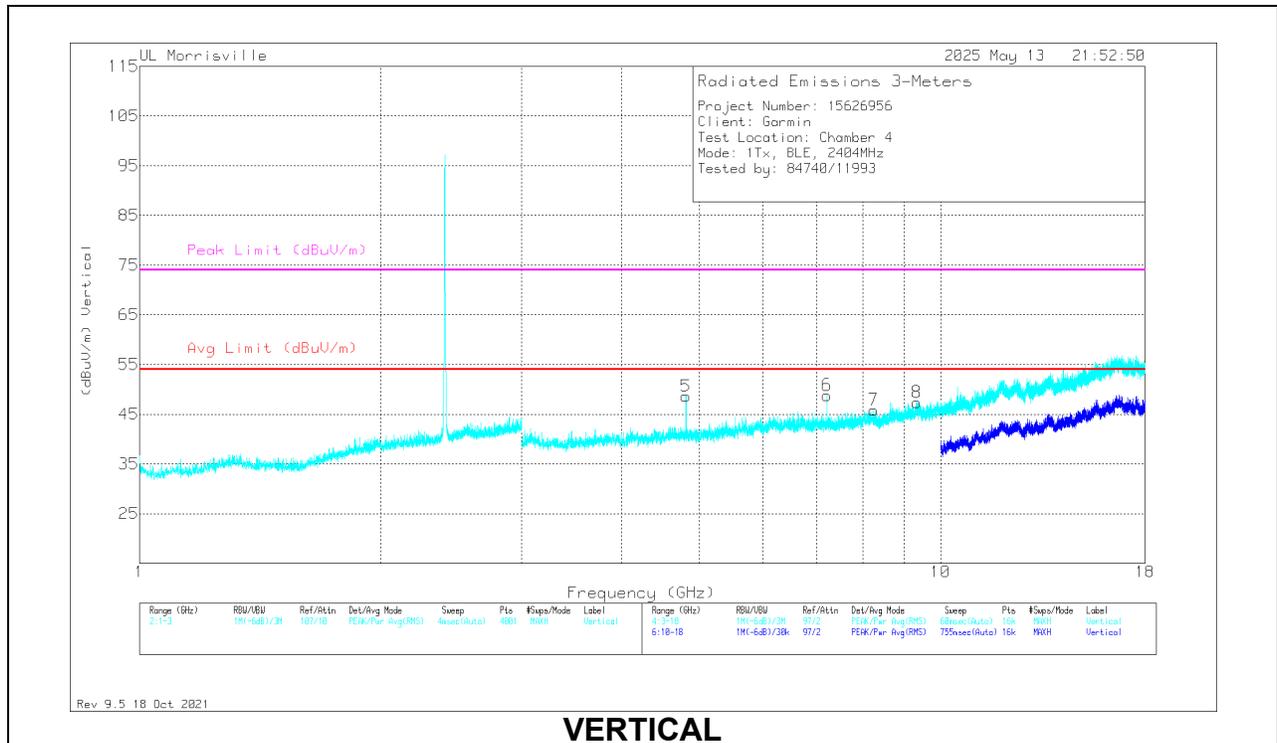
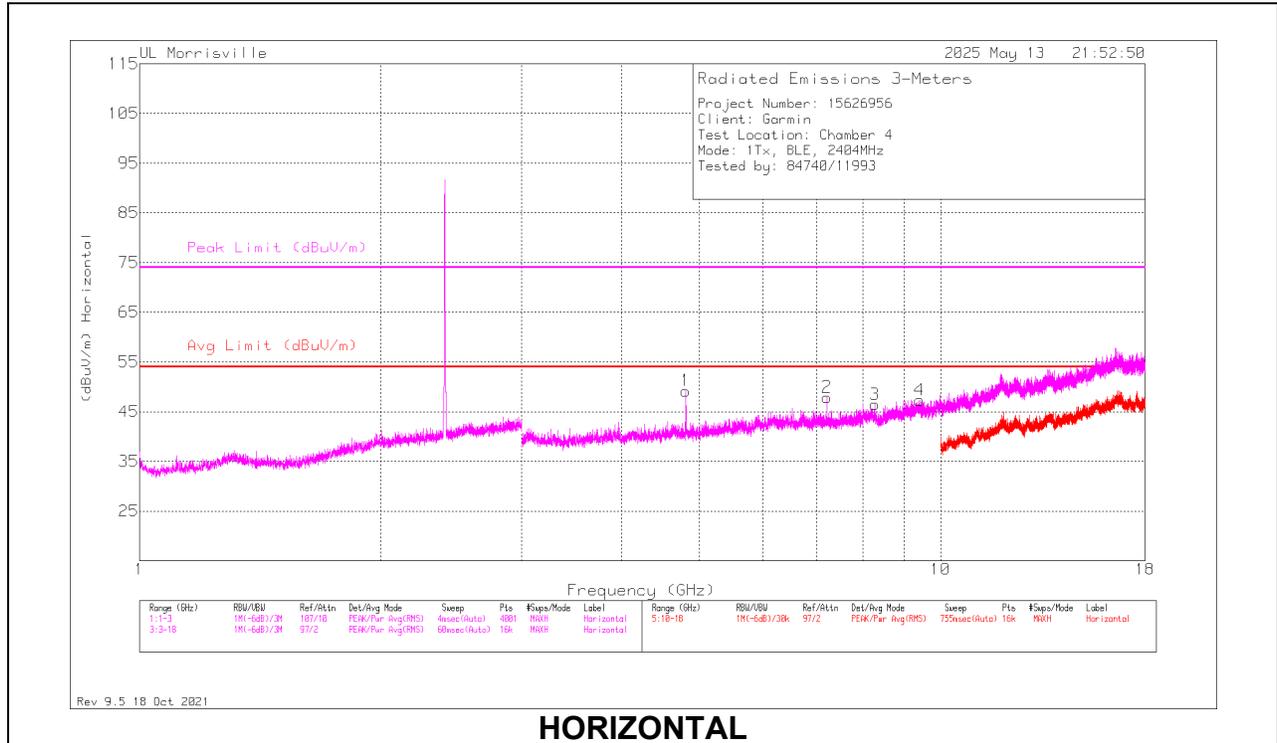


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	41.51	Pk	32.3	-22.8	51.01	-	-	74	-22.99	81	356	V
2	* ** 2.48359	42.18	Pk	32.3	-22.8	51.68	-	-	74	-22.32	81	356	V
3	* ** 2.48354	32.38	ADV	32.3	-22.8	41.88	54	-12.12	-	-	81	356	V
4	* ** 2.48493	33.91	ADV	32.3	-22.8	43.41	54	-10.59	-	-	81	356	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 0 RESULTS

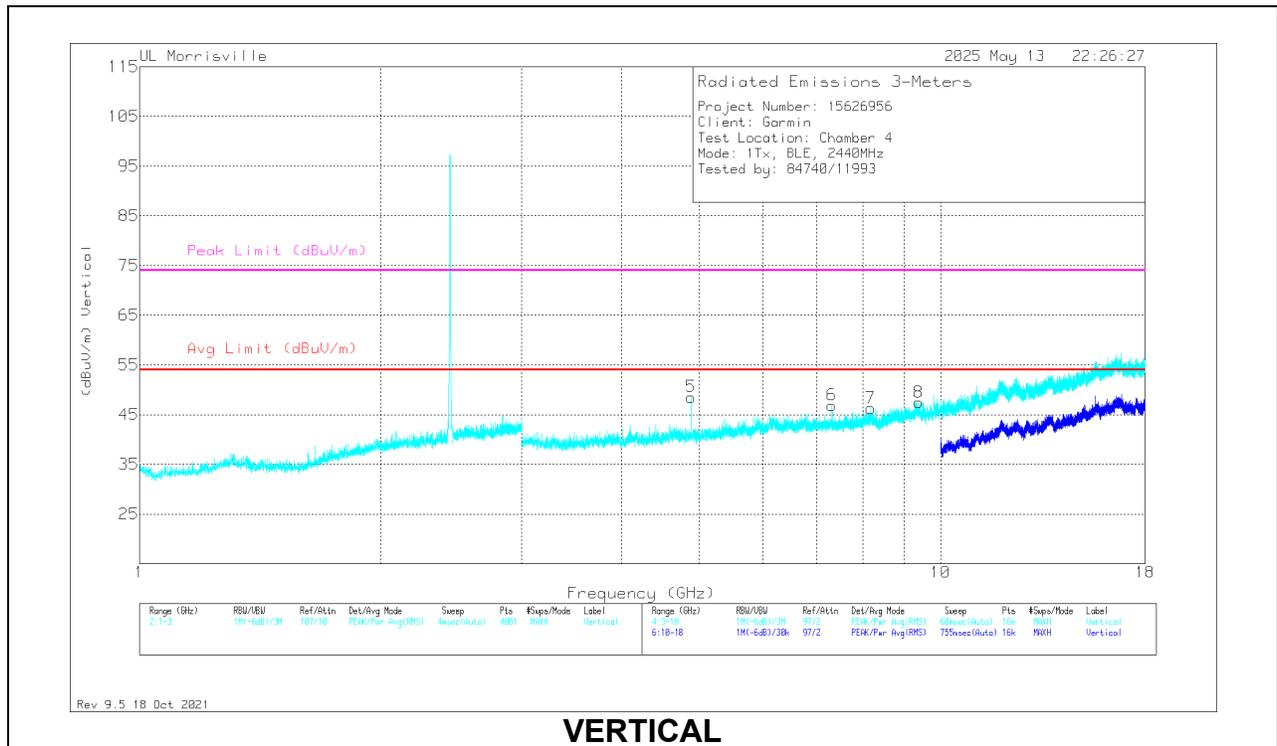
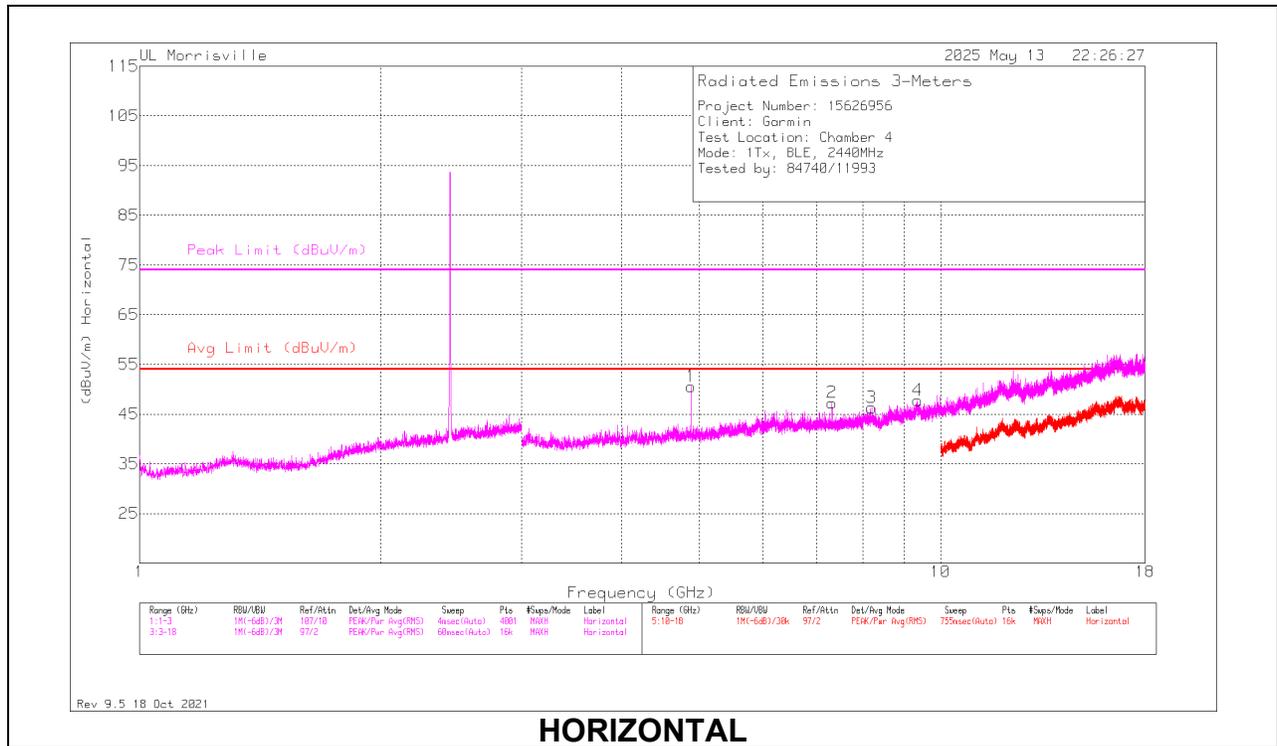


**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.80699	49.69	PK2	34.1	-31.3	52.49	-	-	74	-21.51	327	125	H
	* ** 4.80713	36.18	ADV	34.1	-31.3	38.98	54	-15.02	-	-	327	125	H
3	* ** 8.28281	37.03	Pk	35.8	-26.4	46.43	54	-7.57	74	-27.57	0-360	100	H
4	* ** 9.41438	35.89	Pk	36.6	-25.2	47.29	54	-6.71	74	-26.71	0-360	100	H
5	* ** 4.80897	49.55	PK2	34.1	-31.3	52.35	-	-	74	-21.65	162	107	V
	* ** 4.80711	35.87	ADV	34.1	-31.3	38.67	54	-15.33	-	-	162	107	V
7	* ** 8.25563	36.54	Pk	35.8	-26.5	45.84	54	-8.16	74	-28.16	0-360	200	V
8	* ** 9.34406	35.06	Pk	36.5	-24.2	47.36	54	-6.64	74	-26.64	0-360	200	V
6	7.21031	41.09	Pk	35.6	-27.9	48.79	-	-	-	-	0-360	200	V
2	7.21313	40.19	Pk	35.6	-27.9	47.89	-	-	-	-	0-360	100	H

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

### MID CHANNEL 17 RESULTS

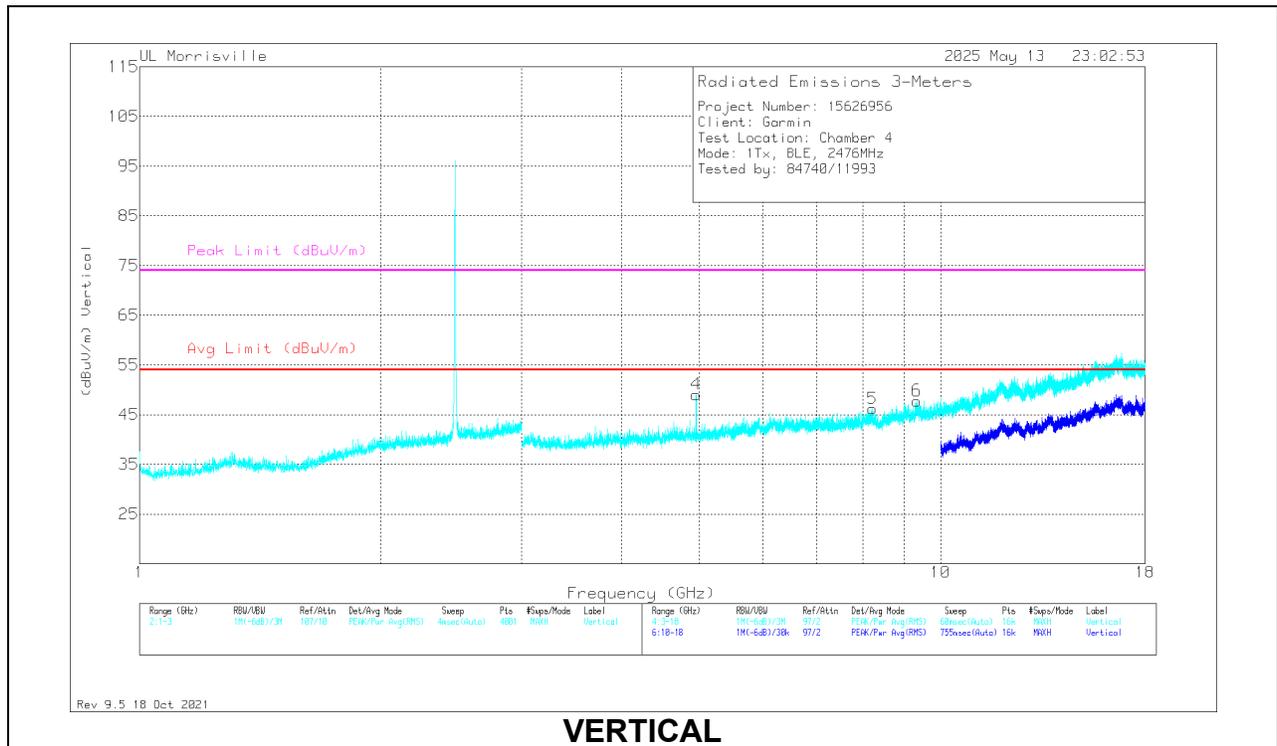
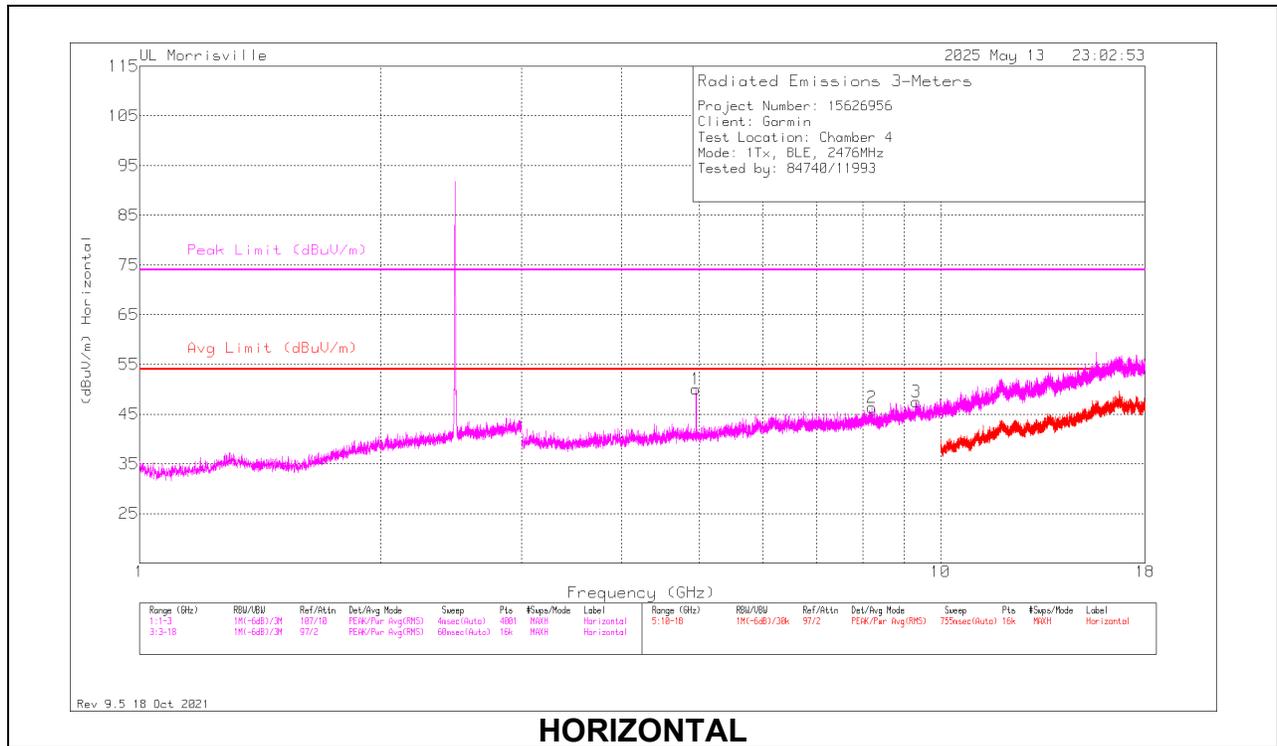


**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.87903	50.04	PK2	34	-31	53.04	-	-	74	-20.96	22	110	H
	* ** 4.88092	36.21	ADV	34	-31	39.21	54	-14.79	-	-	22	110	H
2	* ** 7.31906	39.38	Pk	35.6	-27.7	47.28	54	-6.72	74	-26.72	0-360	100	H
3	* ** 8.20219	36.99	Pk	35.8	-26.5	46.29	54	-7.71	74	-27.71	0-360	100	H
4	* ** 9.36281	35.75	Pk	36.5	-24.5	47.75	54	-6.25	74	-26.25	0-360	100	H
5	* ** 4.88096	49.33	PK2	34	-31	52.33	-	-	74	-21.67	189	145	V
	* ** 4.8789	35.93	ADV	34	-31	38.93	54	-15.07	-	-	189	145	V
6	* ** 7.31813	39	Pk	35.6	-27.7	46.9	54	-7.1	74	-27.1	0-360	200	V
7	* ** 8.17781	36.88	Pk	35.8	-26.4	46.28	54	-7.72	74	-27.72	0-360	200	V
8	* ** 9.39375	35.55	Pk	36.6	-24.7	47.45	54	-6.55	74	-26.55	0-360	200	V

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

### HIGH CHANNEL 35 RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.95092	50.53	PK2	33.9	-31	53.43	-	-	74	-20.57	87	127	H
	* ** 4.95107	37.94	ADV	33.9	-31	40.84	54	-13.16	-	-	87	127	H
2	* ** 8.20406	36.91	Pk	35.8	-26.4	46.31	54	-7.69	74	-27.69	0-360	100	H
3	* ** 9.32531	35.37	Pk	36.5	-24.4	47.47	54	-6.53	74	-26.53	0-360	100	H
4	* ** 4.95299	48.45	PK2	33.9	-31	51.35	-	-	74	-22.65	158	329	V
	* ** 4.9529	35.84	ADV	33.9	-31	38.74	54	-15.26	-	-	158	329	V
5	* ** 8.22188	36.67	Pk	35.8	-26.3	46.17	54	-7.83	74	-27.83	0-360	200	V
6	* ** 9.33938	35.47	Pk	36.5	-24.2	47.77	54	-6.23	74	-26.23	0-360	200	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

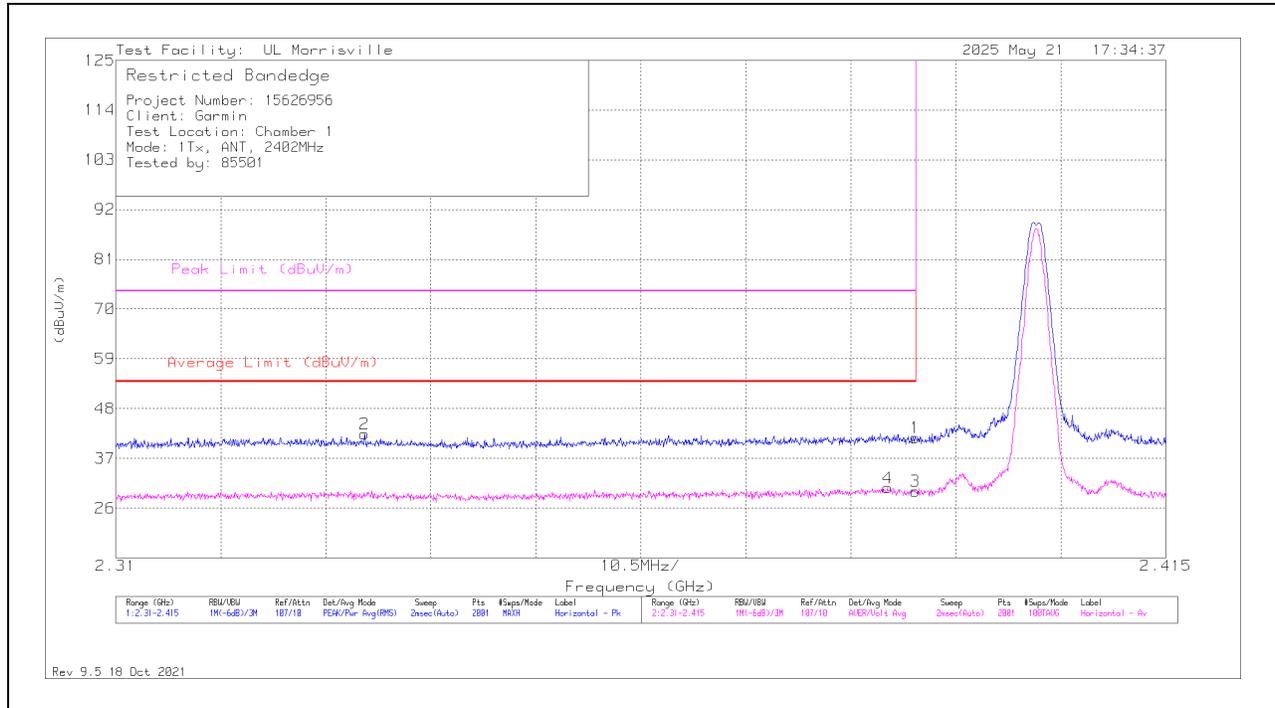
PK2 - Maximum Peak

ADV - Linear Voltage Average

**10.1.6. ANT**

**BANDEDGE (2402 MHz)**

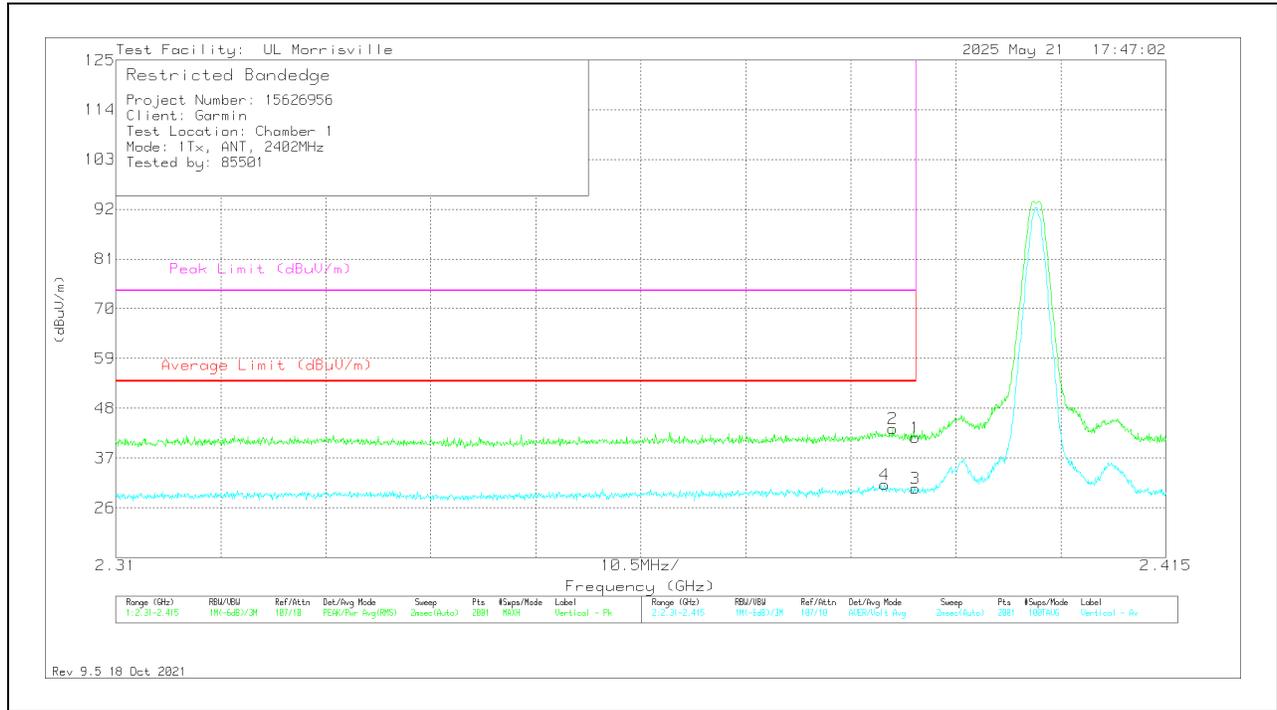
**HORIZONTAL RESULT**



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	33.66	Pk	31.9	-24	41.56	-	-	74	-32.44	222	137	H
2	*** 2.33489	34.8	Pk	31.8	-24.2	42.4	-	-	74	-31.6	222	137	H
3	*** 2.38996	21.88	ADV	31.9	-24	29.78	54	-24.22	-	-	222	137	H
4	*** 2.38718	22.48	ADV	31.9	-23.9	30.48	54	-23.52	-	-	222	137	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

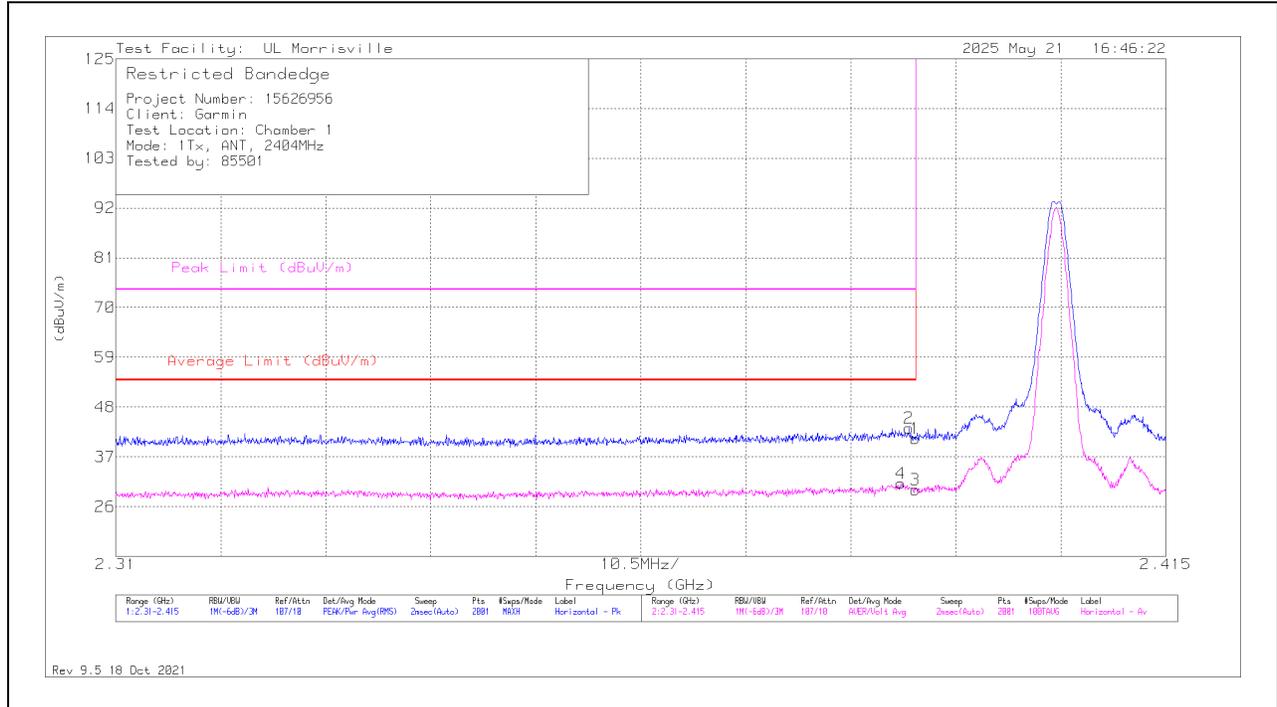


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.38996	33.61	Pk	31.9	-24	41.51	-	-	74	-32.49	341	105	V
2	* ** 2.3877	35.44	Pk	31.9	-23.9	43.44	-	-	74	-30.56	341	105	V
3	* ** 2.38996	22.4	ADV	31.9	-24	30.3	54	-23.7	-	-	341	105	V
4	* ** 2.38686	23.16	ADV	31.9	-23.9	31.16	54	-22.84	-	-	341	105	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 (2404 MHz)**

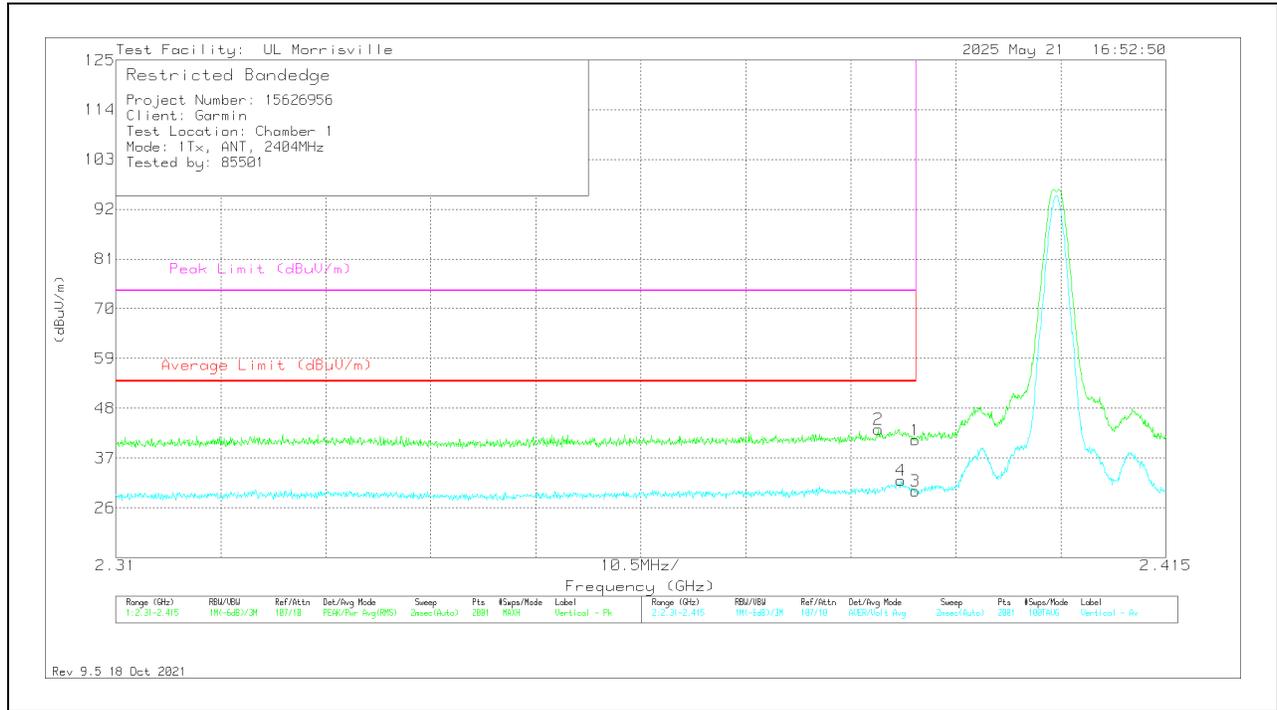
**HORIZONTAL RESULT**



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	33.15	Pk	31.9	-24	41.05	-	-	74	-32.95	276	116	H
2	* ** 2.38933	35.51	Pk	31.9	-24	43.41	-	-	74	-30.59	276	116	H
3	* ** 2.38996	21.79	ADV	31.9	-24	29.69	54	-24.31	-	-	276	116	H
4	* ** 2.38849	23.26	ADV	31.9	-24	31.16	54	-22.84	-	-	276	116	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

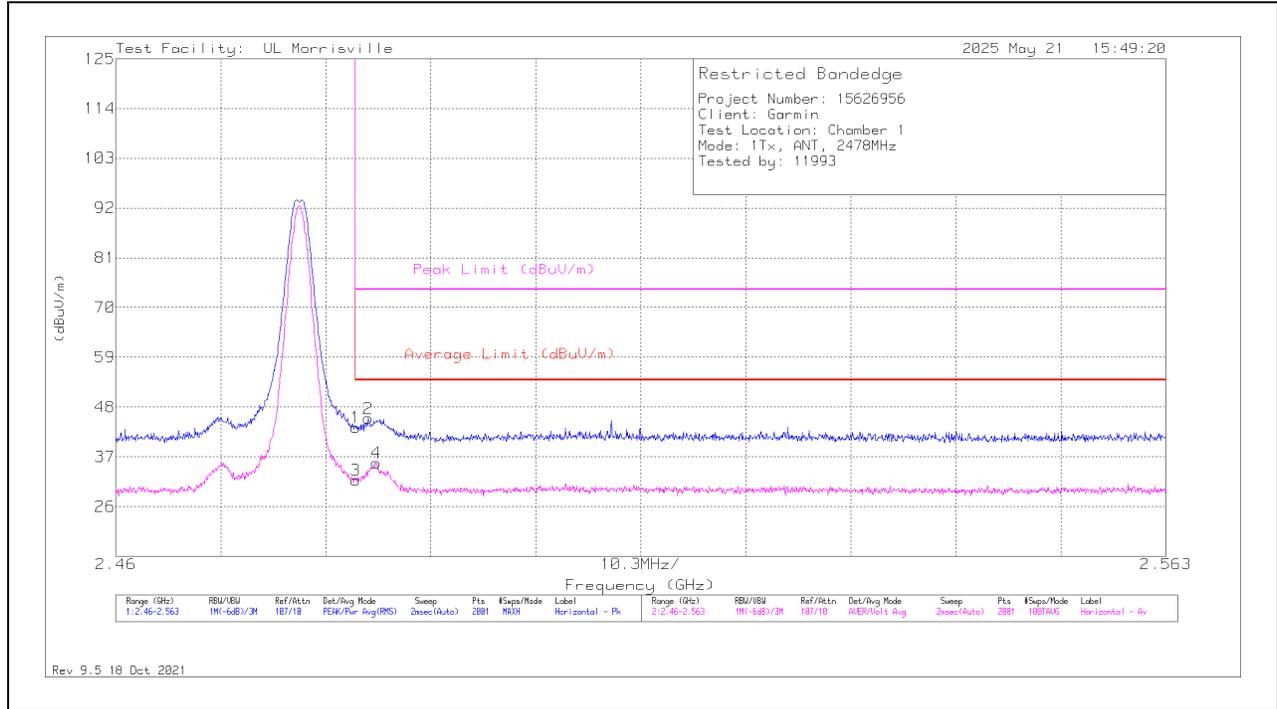


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.38996	33.06	Pk	31.9	-24	40.96	-	-	74	-33.04	343	119	V
2	*** 2.38623	35.34	Pk	31.9	-23.9	43.34	-	-	74	-30.66	343	119	V
3	*** 2.38996	21.83	ADV	31.9	-24	29.73	54	-24.27	-	-	343	119	V
4	*** 2.38849	24.15	ADV	31.9	-24	32.05	54	-21.95	-	-	343	119	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)**

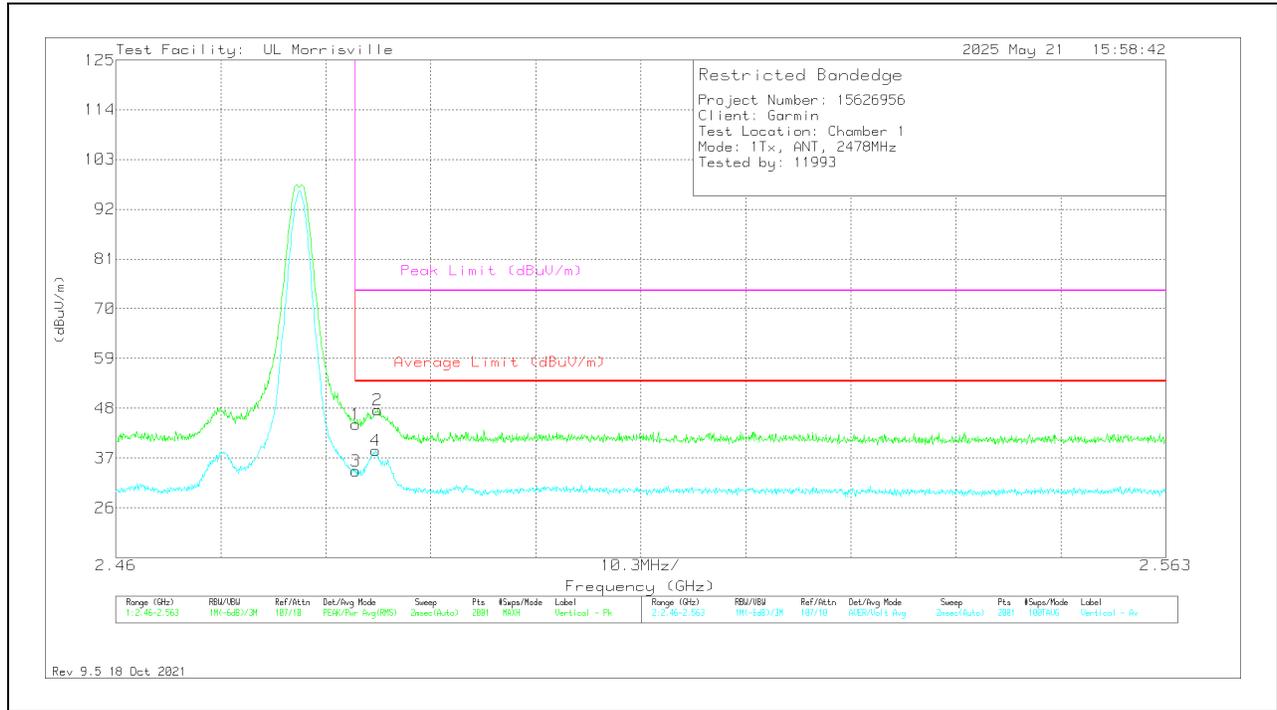
**HORIZONTAL RESULT**



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	34.94	Pk	32.2	-23.7	43.44	-	-	74	-30.56	246	317	H
2	* ** 2.48477	37.09	Pk	32.2	-23.8	45.49	-	-	74	-28.51	246	317	H
3	* ** 2.48354	23.24	ADV	32.2	-23.7	31.74	54	-22.26	-	-	246	317	H
4	* ** 2.48554	27.37	ADV	32.2	-23.9	35.67	54	-18.33	-	-	246	317	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

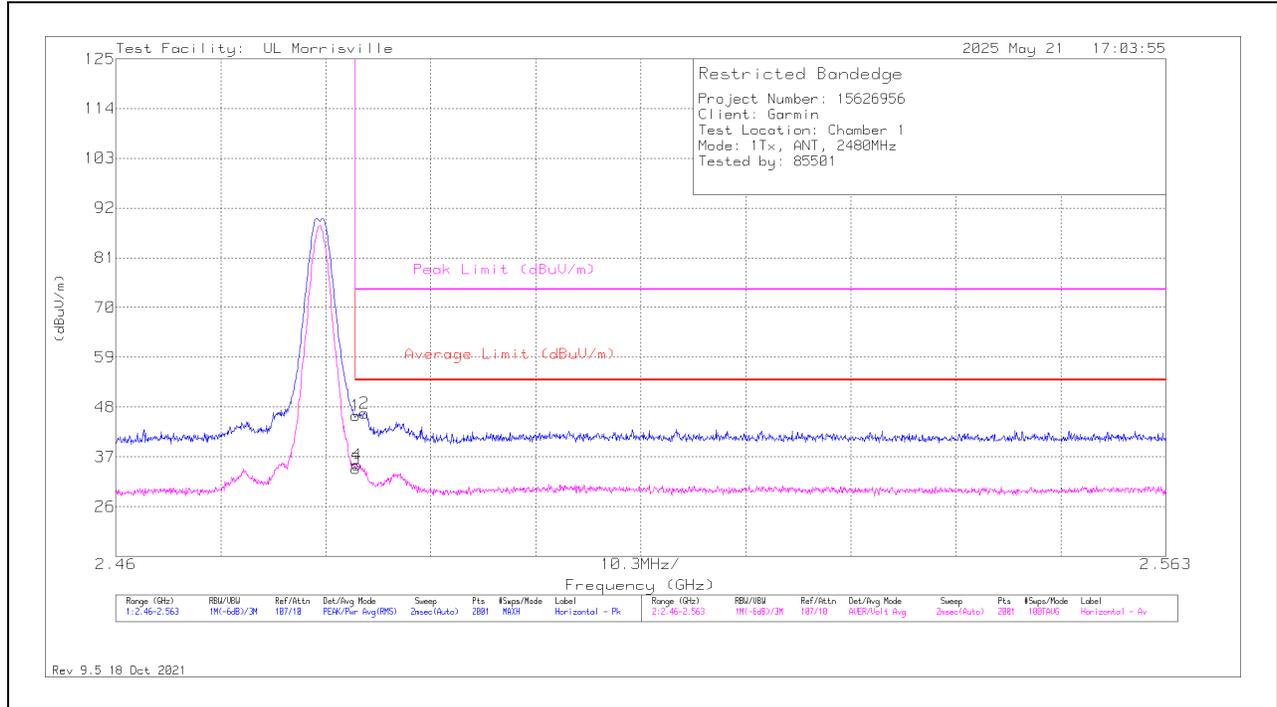


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	35.92	Pk	32.2	-23.7	44.42	-	-	74	-29.58	145	260	V
2	* ** 2.4857	39.36	Pk	32.2	-23.9	47.66	-	-	74	-26.34	145	260	V
3	* ** 2.48354	25.58	ADV	32.2	-23.7	34.08	54	-19.92	-	-	145	260	V
4	* ** 2.48549	30.42	ADV	32.2	-23.9	38.72	54	-15.28	-	-	145	260	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 (2480 MHz)**

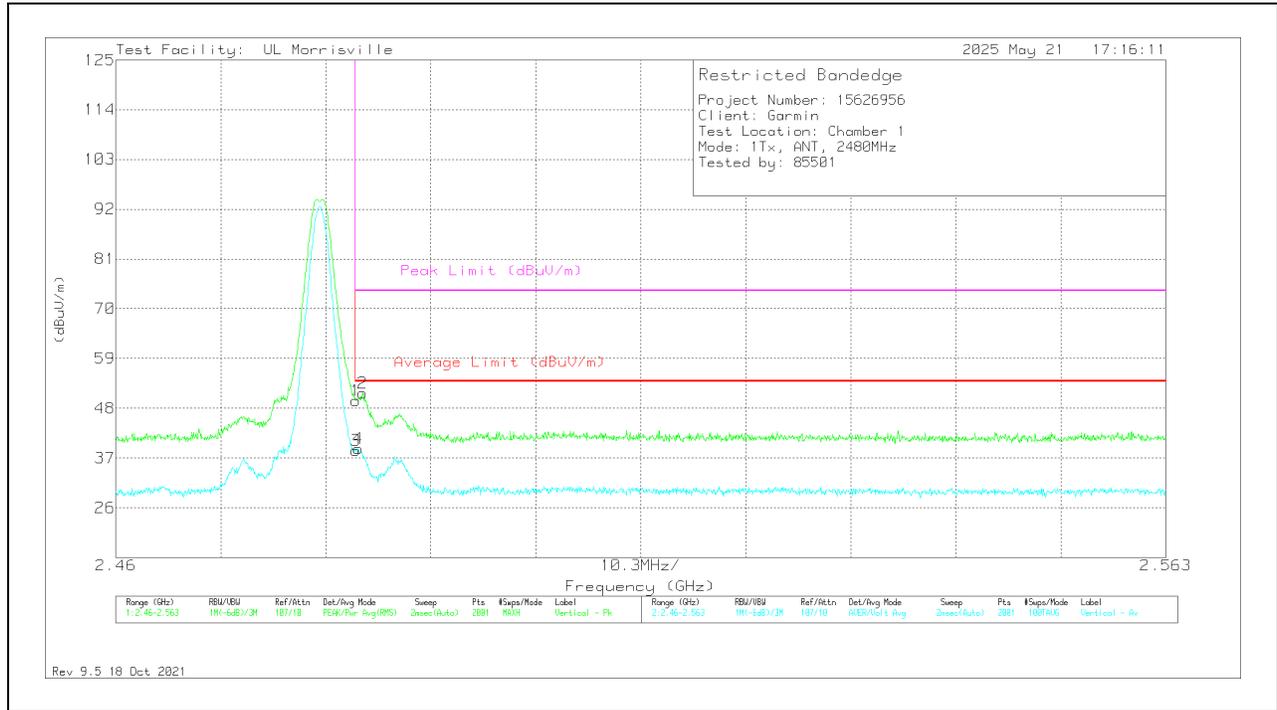
**HORIZONTAL RESULT**



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	37.56	Pk	32.2	-23.7	46.06	-	-	74	-27.94	245	132	H
2	* ** 2.48441	38.28	Pk	32.2	-23.8	46.68	-	-	74	-27.32	245	132	H
3	* ** 2.48354	25.83	ADV	32.2	-23.7	34.33	54	-19.67	-	-	245	132	H
4	* ** 2.48364	26.76	ADV	32.2	-23.7	35.26	54	-18.74	-	-	245	132	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

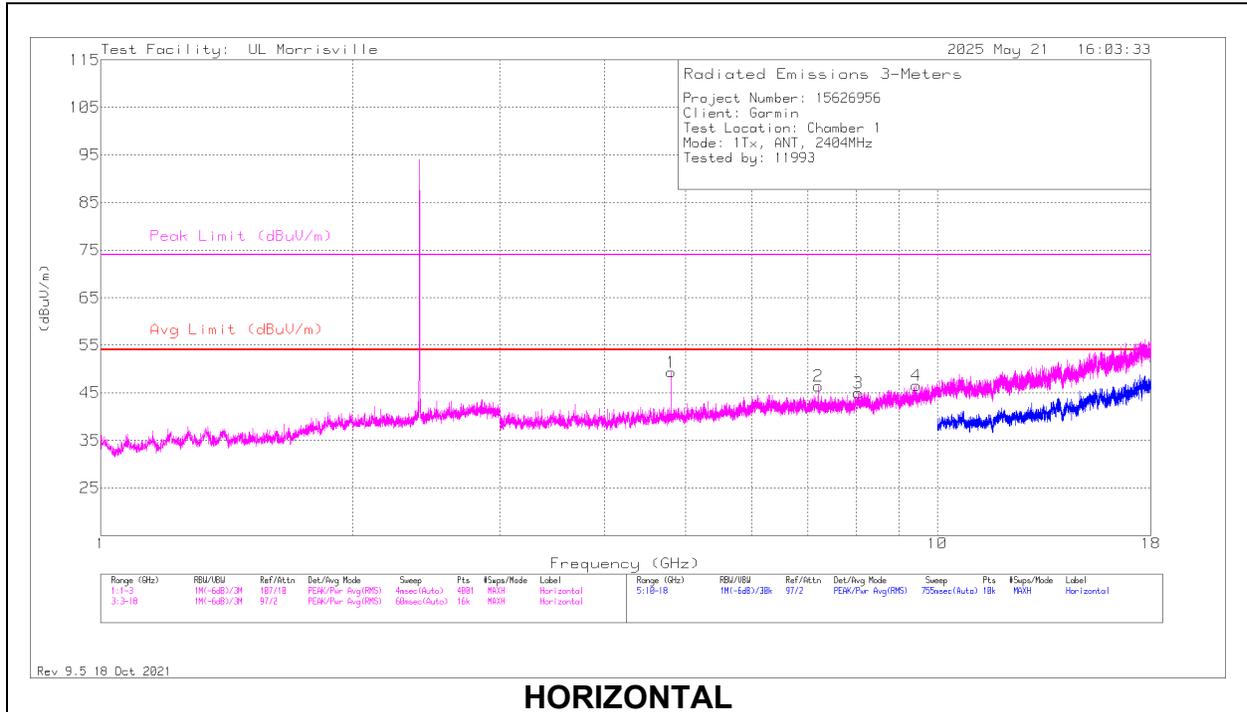


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	41.2	Pk	32.2	-23.7	49.7	-	-	74	-24.3	342	127	V
2	* ** 2.48421	42.99	Pk	32.2	-23.8	51.39	-	-	74	-22.61	342	127	V
3	* ** 2.48354	30.2	ADV	32.2	-23.7	38.7	54	-15.3	-	-	342	127	V
4	* ** 2.48379	30.61	ADV	32.2	-23.7	39.11	54	-14.89	-	-	342	127	V

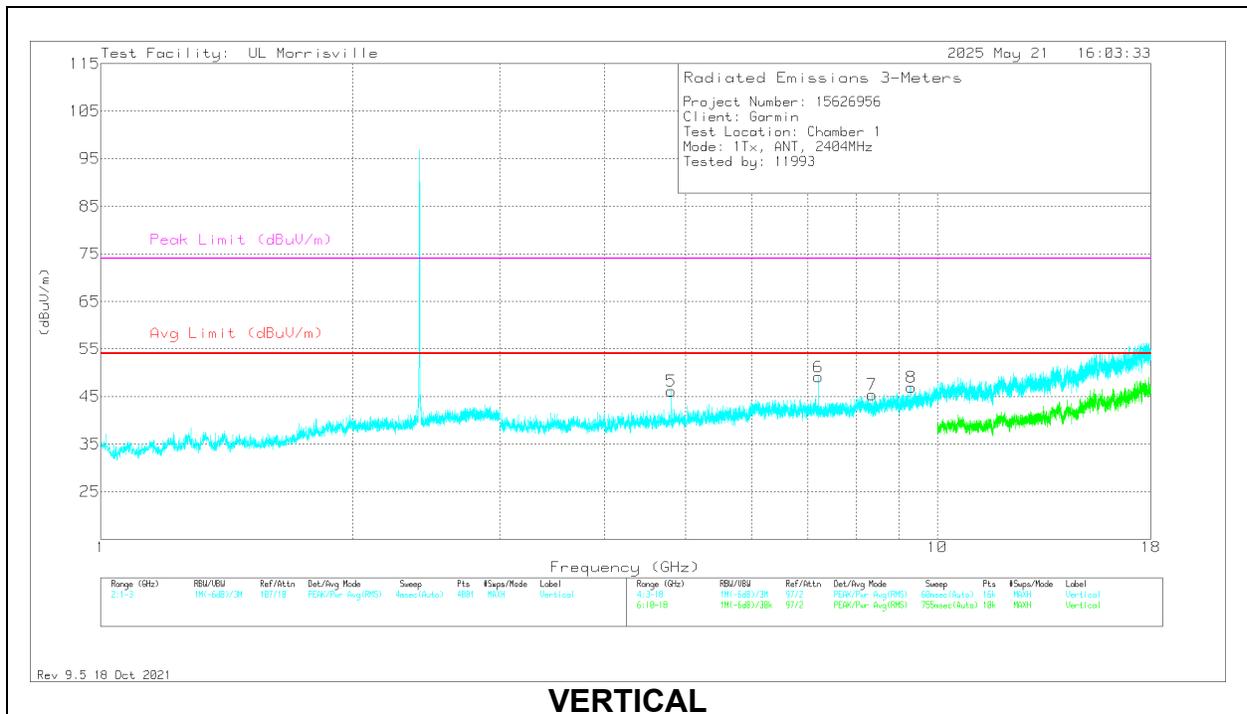
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 ADV - Linear Voltage Average

# HARMONICS AND SPURIOUS EMISSIONS

## 2404 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	*** 4.80748	63.76	PK2	33.9	-45.7	51.96	-	-	74	-22.04	35	115	H
	*** 4.80852	51.37	ADV	33.9	-45.7	39.57	54	-14.43	-	-	35	115	H
3	*** 8.05125	49.77	Pk	35.9	-40.7	44.97	54	-9.03	74	-29.03	0-360	199	H
4	*** 9.43875	50.55	Pk	36.3	-40.3	46.55	54	-7.45	74	-27.45	0-360	101	H
5	*** 4.8075	57.94	Pk	33.9	-45.7	46.14	54	-7.86	74	-27.86	0-360	101	V
7	*** 8.35313	50.52	Pk	35.8	-41	45.32	54	-8.68	74	-28.68	0-360	101	V
8	*** 9.30375	51.01	Pk	36.1	-40.2	46.91	54	-7.09	74	-27.09	0-360	200	V
2	7.21125	53.54	Pk	35.4	-42.5	46.44	-	-	-	-	0-360	199	H
6	7.21125	56.2	Pk	35.4	-42.5	49.1	-	-	-	-	0-360	200	V

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

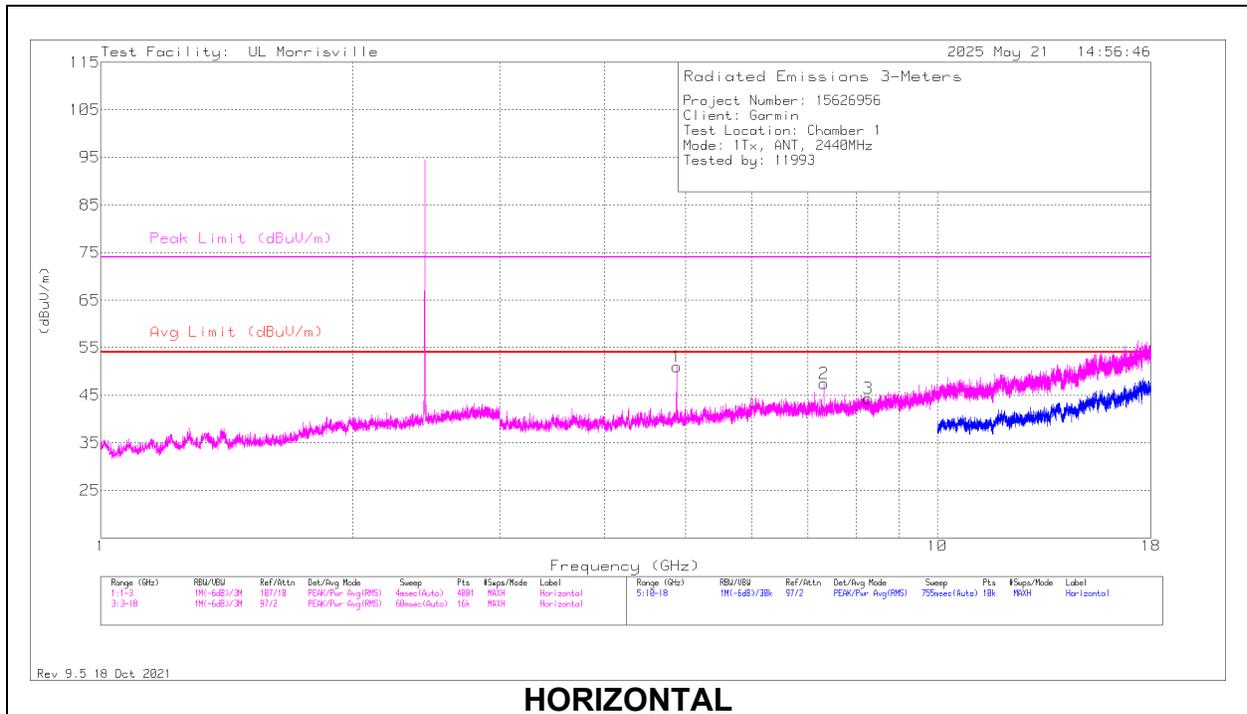
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

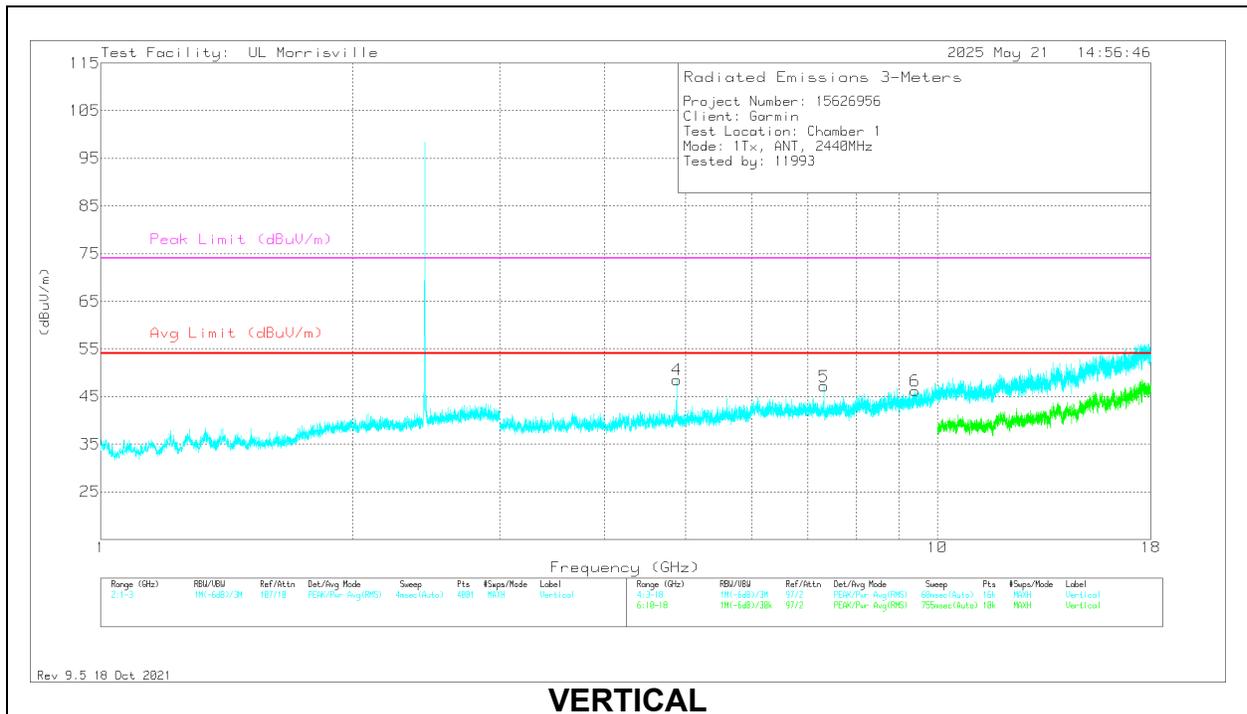
PK2 - Maximum Peak

ADV - Linear Voltage Average

### 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	* ** 4.8795	63.53	PK2	34	-44.7	52.83	-	-	74	-21.17	240	126	H
	* ** 4.87954	51.3	ADV	34	-44.7	40.6	54	-13.4	-	-	240	126	H
2	* ** 7.31906	53.69	Pk	35.4	-41.6	47.49	54	-6.51	74	-26.51	0-360	200	H
3	* ** 8.26594	48.96	Pk	35.9	-40.5	44.36	54	-9.64	74	-29.64	0-360	200	H
4	* ** 4.8805	61.95	PK2	34	-44.7	51.25	-	-	74	-22.75	126	133	V
	* ** 4.88055	49.86	ADV	34	-44.7	39.16	54	-14.84	-	-	126	133	V
5	* ** 7.32094	53.53	Pk	35.4	-41.8	47.13	54	-6.87	74	-26.87	0-360	200	V
6	* ** 9.40313	50.71	Pk	36.3	-40.8	46.21	54	-7.79	74	-27.79	0-360	200	V

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

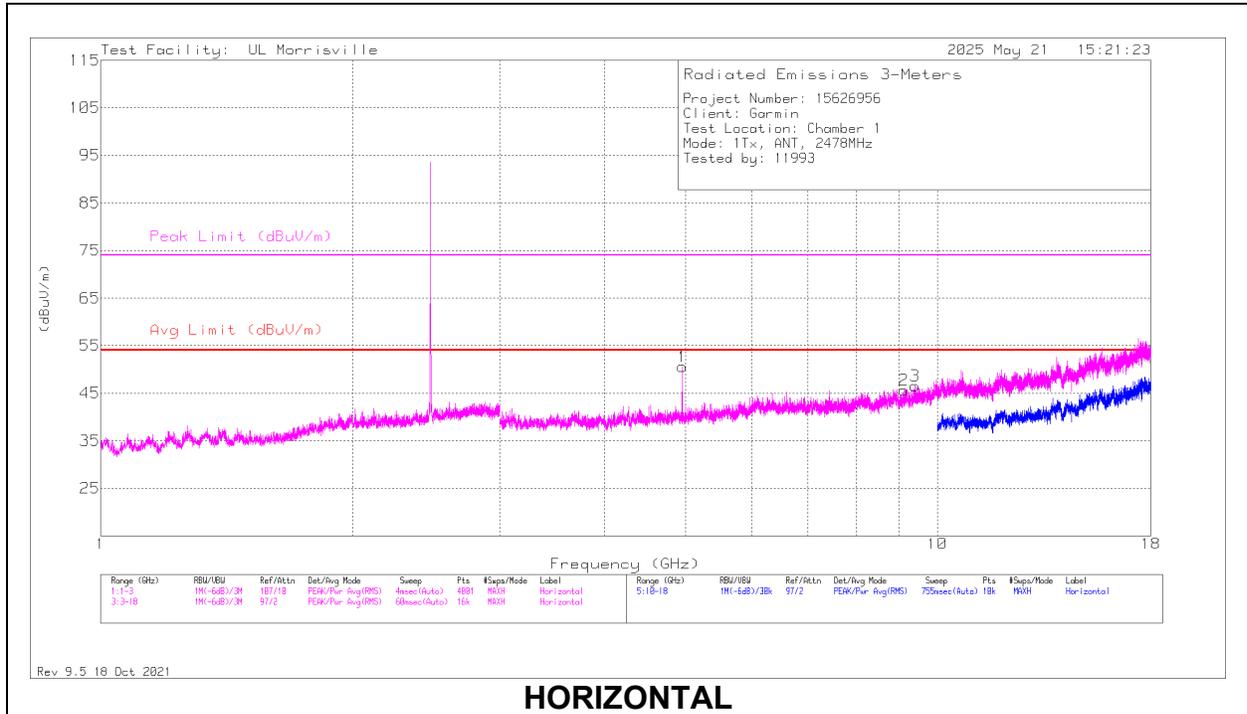
\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

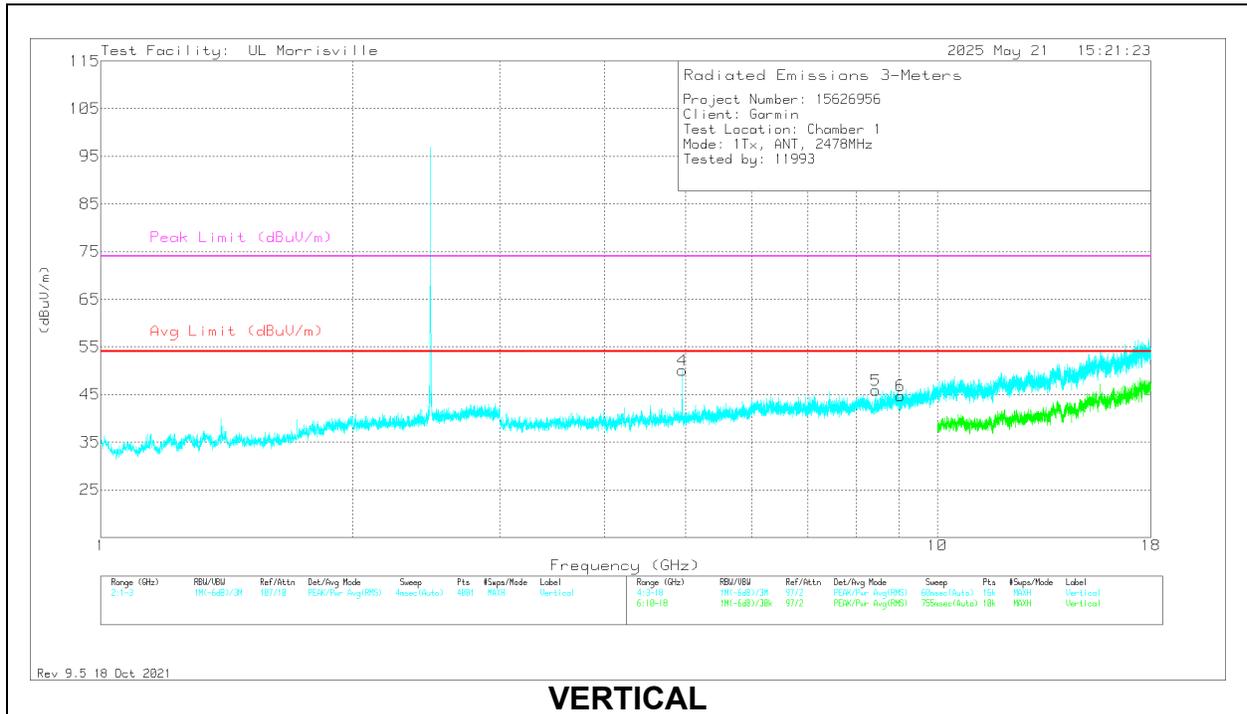
PK2 - Maximum Peak

ADV - Linear Voltage Average

### 2478 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	* ** 4.95647	64.02	PK2	34.2	-44.8	53.42	-	-	74	-20.58	159	197	H
	* ** 4.95648	52.64	ADV	34.2	-44.8	42.04	54	-11.96	-	-	159	197	H
2	* ** 9.11719	49.91	Pk	35.9	-40.2	45.61	54	-8.39	74	-28.39	0-360	200	H
3	* ** 9.40969	50.63	Pk	36.3	-40.4	46.53	54	-7.47	74	-27.47	0-360	200	H
4	* ** 4.95542	62.92	PK2	34.2	-44.8	52.32	-	-	74	-21.68	131	121	V
	* ** 4.95632	51.97	ADV	34.2	-44.8	41.37	54	-12.63	-	-	131	121	V
5	* ** 8.43563	50.13	Pk	35.8	-40.1	45.83	54	-8.17	74	-28.17	0-360	101	V
6	* ** 9.03469	48.44	Pk	35.8	-39.5	44.74	54	-9.26	74	-29.26	0-360	200	V

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

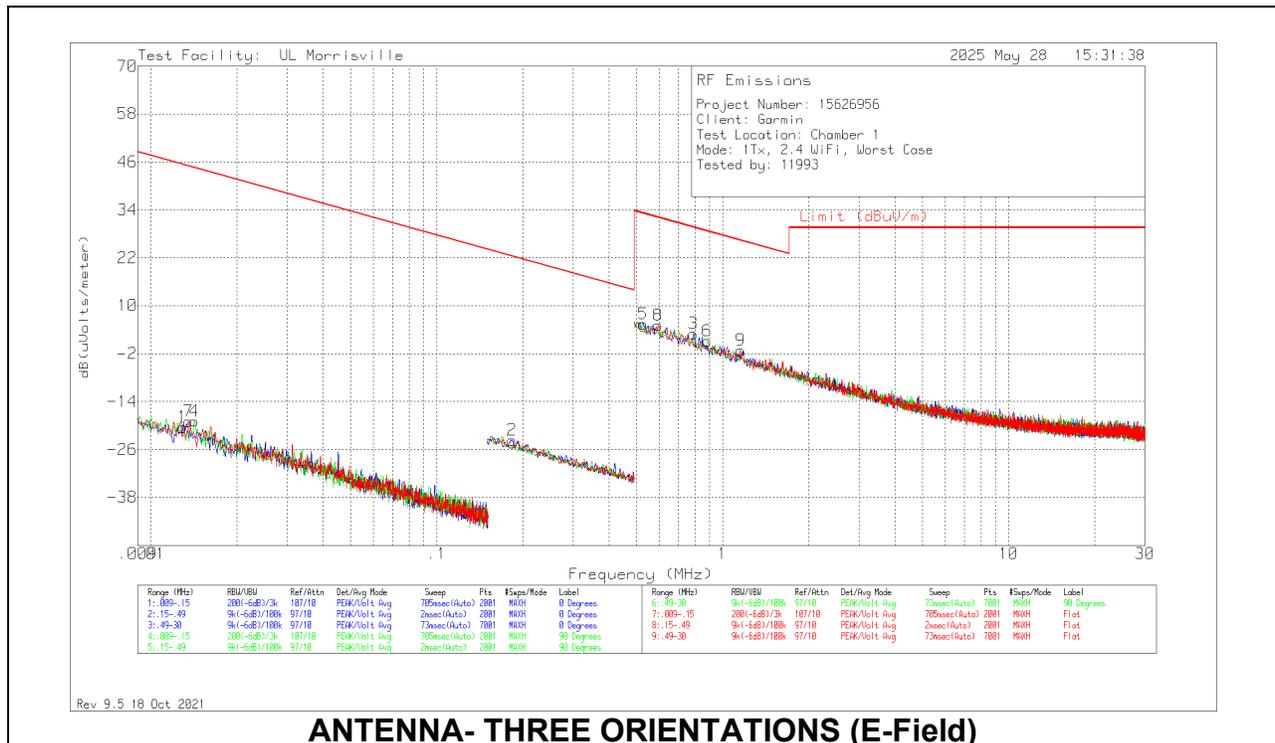
ADV - Linear Voltage Average

## 10.2. WORST CASE BELOW 30MHZ

Note: All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were  $40 \cdot \log(\text{test distance} / \text{specification distance})$ .

### 10.2.1. 2.4 WLAN

#### SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)

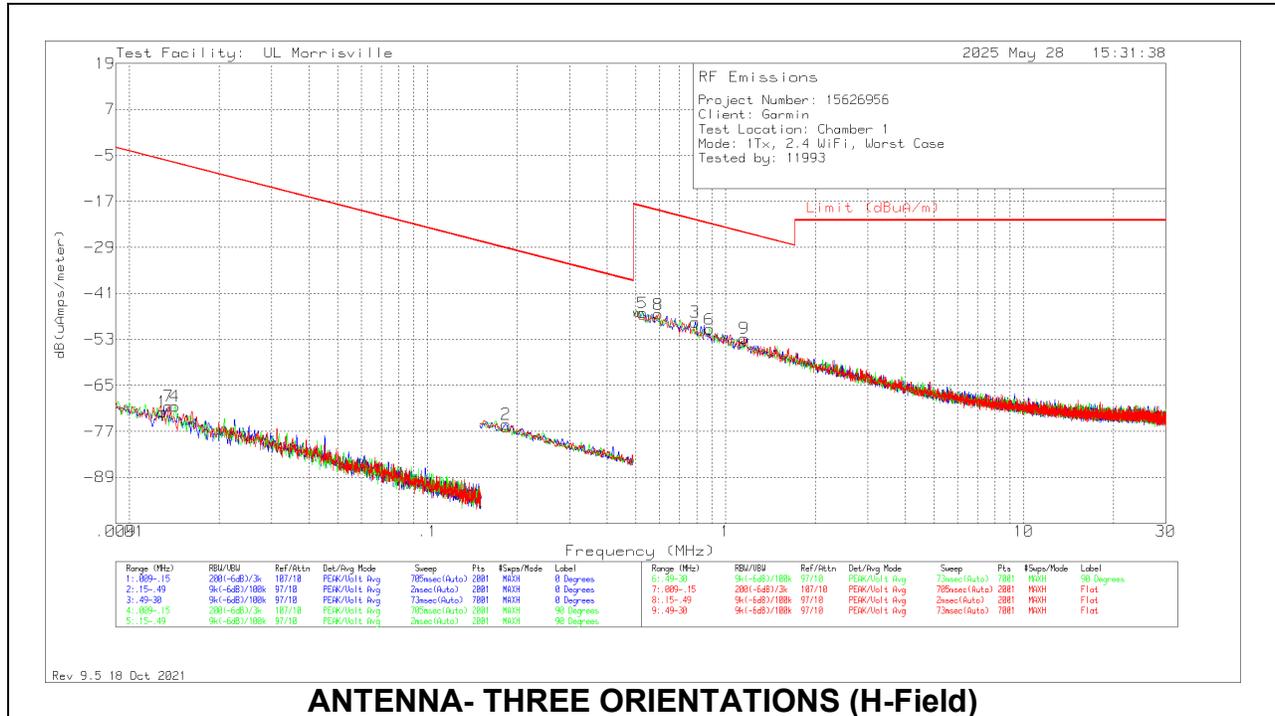


#### Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.01291	42.02	Pk	17.5	.1	-80	-20.38	45.39	65.39	-65.77	0-360	0 degs
7	.01354	43.7	Pk	17.2	.1	-80	-19	44.97	64.97	-63.97	0-360	Flat
4	.01418	44.1	Pk	16.9	.1	-80	-18.9	44.57	64.57	-63.47	0-360	90 degs
2	.18307	45.23	Pk	11	.1	-80	-23.67	22.35	42.35	-46.02	0-360	0 degs
5	.52584	34.26	Pk	11	.1	-40	5.36	33.19	-	-27.83	0-360	90 degs
8	.5954	33.93	Pk	11	.1	-40	5.03	32.11	-	-27.08	0-360	Flat
3	.78934	31.85	Pk	11	.1	-40	2.95	29.66	-	-26.71	0-360	0 degs
6	.88209	30.03	Pk	11	.1	-40	1.13	28.69	-	-27.56	0-360	90 degs
9	1.15613	27.53	Pk	11	.2	-40	-1.27	26.34	-	-27.61	0-360	Flat

Pk - Peak detector

**SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)**



**ANTENNA- THREE ORIENTATIONS (H-Field)**

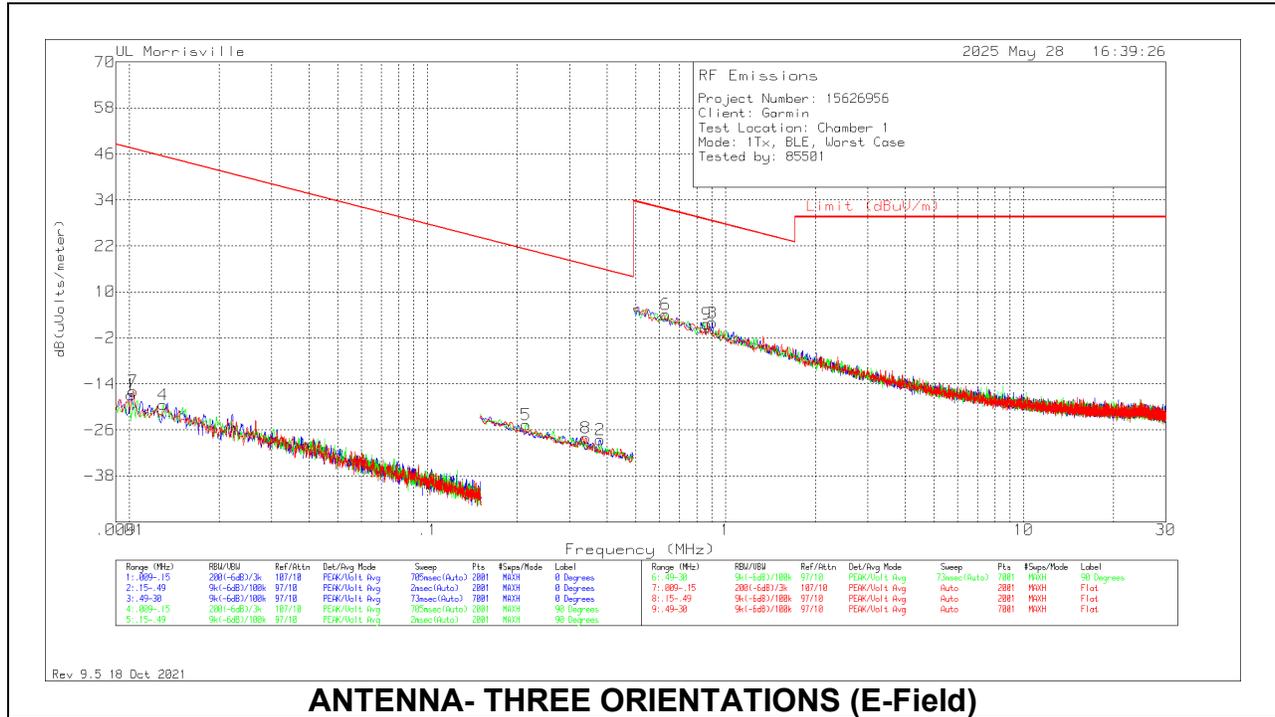
**Below 30MHz Data**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uAmps/meter)	QP/AV Limit (dBuA/m)	PK Limit (dBuA/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.01291	42.02	Pk	-34	.1	-80	-71.88	-6.11	13.89	-65.77	0-360	0 degs
7	.01354	43.7	Pk	-34.3	.1	-80	-70.5	-6.53	13.47	-63.97	0-360	Flat
4	.01418	44.1	Pk	-34.6	.1	-80	-70.4	-6.93	13.07	-63.47	0-360	90 degs
2	.18307	45.23	Pk	-40.5	.1	-80	-75.17	-29.15	-9.15	-46.02	0-360	0 degs
5	.52584	34.26	Pk	-40.5	.1	-40	-46.14	-18.31	-	-27.83	0-360	90 degs
8	.5954	33.93	Pk	-40.5	.1	-40	-46.47	-19.39	-	-27.08	0-360	Flat
3	.78934	31.85	Pk	-40.5	.1	-40	-48.55	-21.84	-	-26.71	0-360	0 degs
6	.88209	30.03	Pk	-40.5	.1	-40	-50.37	-22.81	-	-27.56	0-360	90 degs
9	1.15613	27.53	Pk	-40.5	.2	-40	-52.77	-25.16	-	-27.61	0-360	Flat

Pk - Peak detector

10.2.2. BLE

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



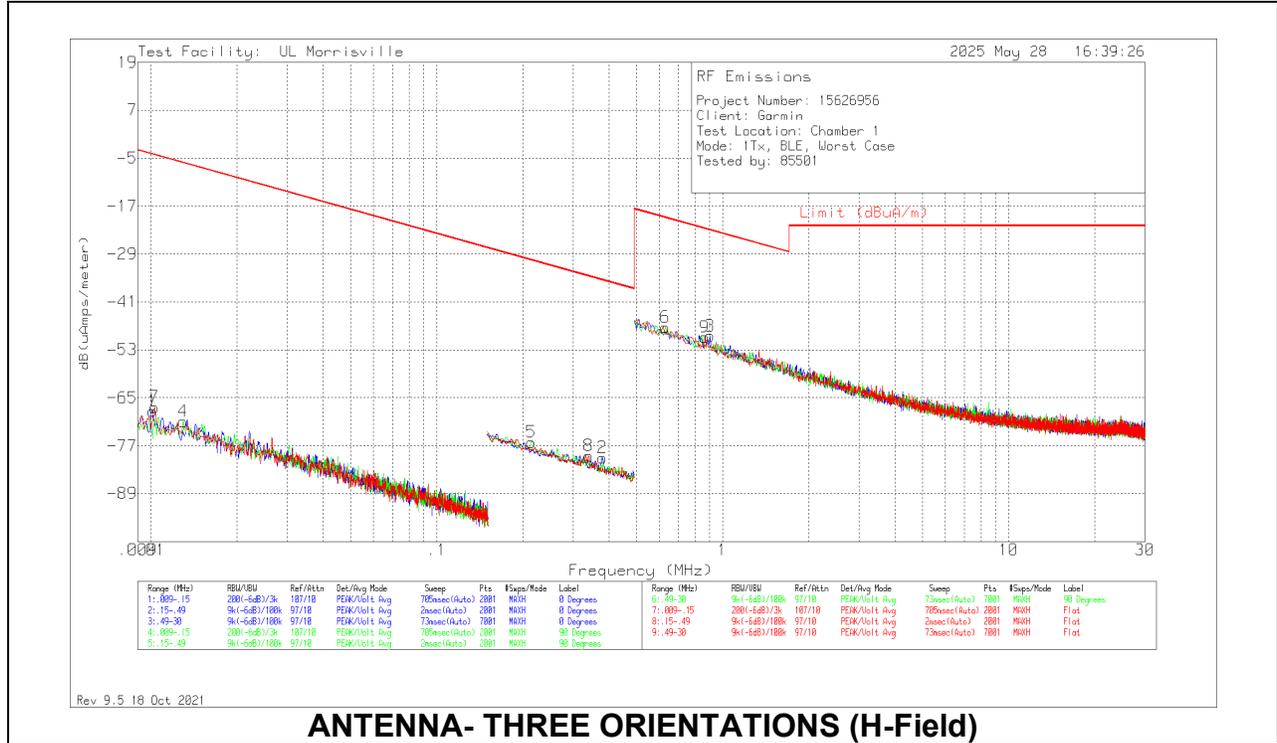
ANTENNA- THREE ORIENTATIONS (E-Field)

Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.01014	44.17	Pk	18.9	.1	-80	-16.83	47.49	67.49	-64.32	0-360	0 degs
7	.01028	45.18	Pk	18.8	.1	-80	-15.92	47.37	67.37	-63.29	0-360	Flat
4	.01298	43.01	Pk	17.5	.1	-80	-19.39	45.34	65.34	-64.73	0-360	90 degs
5	.21426	44.38	Pk	10.9	.1	-80	-24.62	20.99	40.99	-45.61	0-360	90 degs
8	.33989	40.94	Pk	10.9	.1	-80	-28.06	16.98	36.98	-45.04	0-360	Flat
2	.37891	40.29	Pk	11	.1	-80	-28.61	16.03	36.03	-44.64	0-360	0 degs
6	.62913	33.09	Pk	11	.1	-40	4.19	31.63	-	-27.44	0-360	90 degs
9	.86522	30.52	Pk	11	.1	-40	1.62	28.86	-	-27.24	0-360	Flat
3	.90317	30.84	Pk	11	.1	-40	1.94	28.49	-	-26.55	0-360	0 degs

Pk - Peak detector

**SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)**



**ANTENNA- THREE ORIENTATIONS (H-Field)**

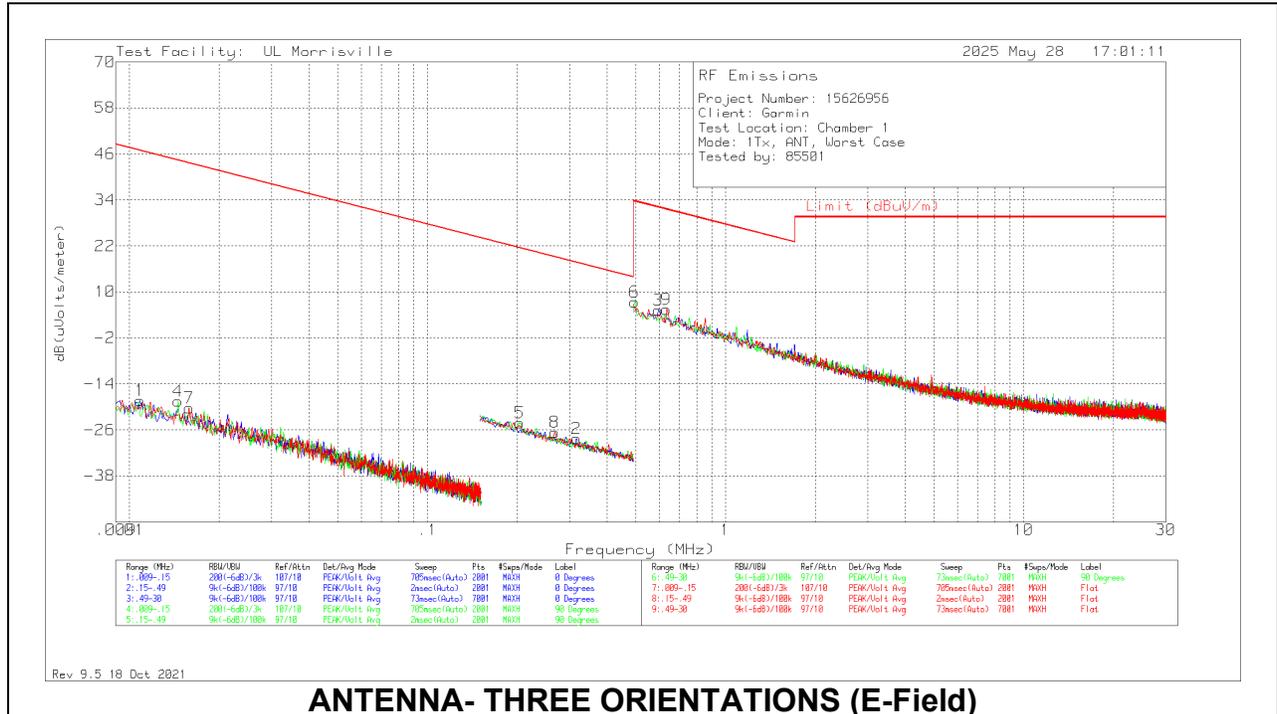
**Below 30MHz Data**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uAmps/meter)	QP/AV Limit (dBuA/m)	PK Limit (dBuA/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.01014	44.17	Pk	-32.6	.1	-80	-68.33	-4.01	15.99	-64.32	0-360	0 degs
7	.01028	45.18	Pk	-32.7	.1	-80	-67.42	-4.13	15.87	-63.29	0-360	Flat
4	.01298	43.01	Pk	-34	.1	-80	-70.89	-6.16	13.84	-64.73	0-360	90 degs
5	.21426	44.38	Pk	-40.6	.1	-80	-76.12	-30.51	-10.51	-45.61	0-360	90 degs
8	.33989	40.94	Pk	-40.6	.1	-80	-79.56	-34.52	-14.52	-45.04	0-360	Flat
2	.37891	40.29	Pk	-40.5	.1	-80	-80.11	-35.47	-15.47	-44.64	0-360	0 degs
6	.62913	33.09	Pk	-40.5	.1	-40	-47.31	-19.87	-	-27.44	0-360	90 degs
9	.86522	30.52	Pk	-40.5	.1	-40	-49.88	-22.64	-	-27.24	0-360	Flat
3	.90317	30.84	Pk	-40.5	.1	-40	-49.56	-23.01	-	-26.55	0-360	0 degs

Pk - Peak detector

### 10.2.3. ANT

#### SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



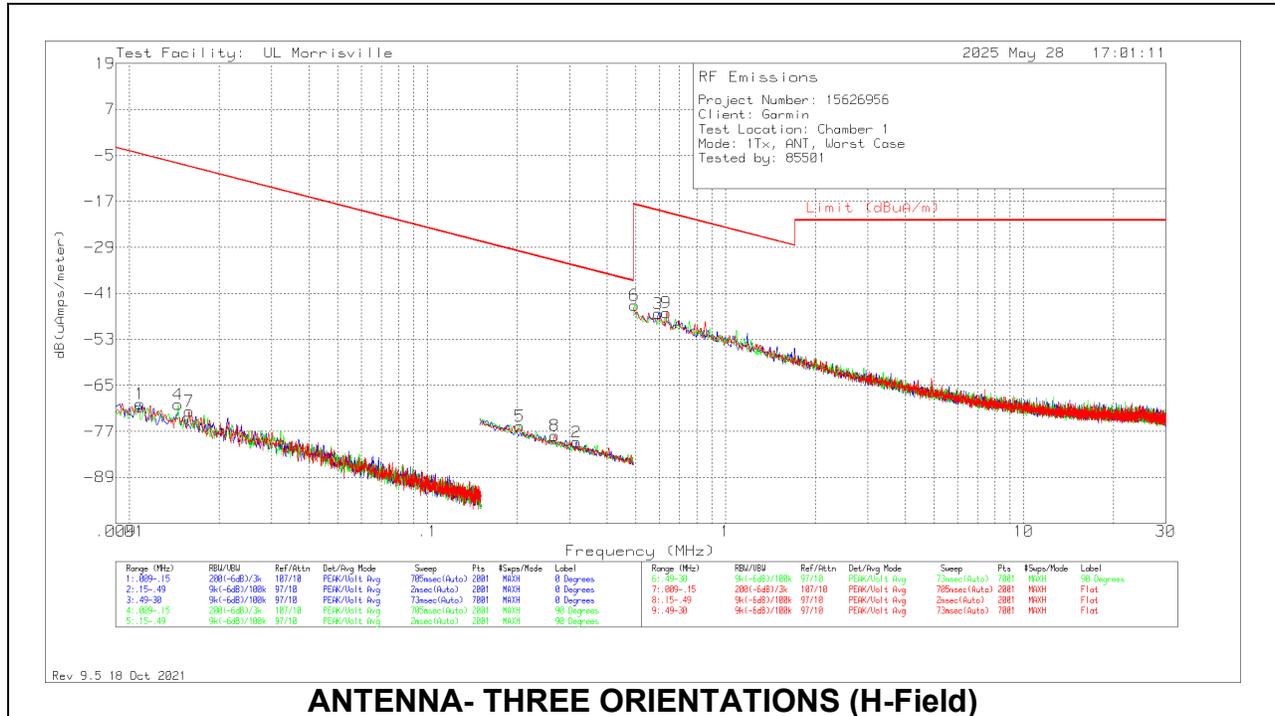
#### ANTENNA- THREE ORIENTATIONS (E-Field)

#### Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBUV/m)	PK Limit (dBUV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.01085	43.14	Pk	18.5	.1	-80	-18.26	46.9	66.9	-65.16	0-360	0 degs
4	.01454	44.7	Pk	16.7	.1	-80	-18.5	44.35	64.35	-62.85	0-360	90 degs
7	.01589	43.61	Pk	16	.1	-80	-20.29	43.58	63.58	-63.87	0-360	Flat
5	.20398	44.84	Pk	10.9	.1	-80	-24.16	21.41	41.41	-45.57	0-360	90 degs
8	.2673	42.36	Pk	10.9	.1	-80	-26.64	19.06	39.06	-45.7	0-360	Flat
2	.31643	40.69	Pk	10.9	.1	-80	-28.31	17.6	37.6	-45.91	0-360	0 degs
6	.49422	36.32	Pk	11	.1	-40	7.42	33.73	-	-26.31	0-360	90 degs
3	.5954	34.1	Pk	11	.1	-40	5.2	32.11	-	-26.91	0-360	0 degs
9	.63334	34.39	Pk	11	.1	-40	5.49	31.57	-	-26.08	0-360	Flat

Pk - Peak detector

**SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)**



**ANTENNA- THREE ORIENTATIONS (H-Field)**

**Below 30MHz Data**

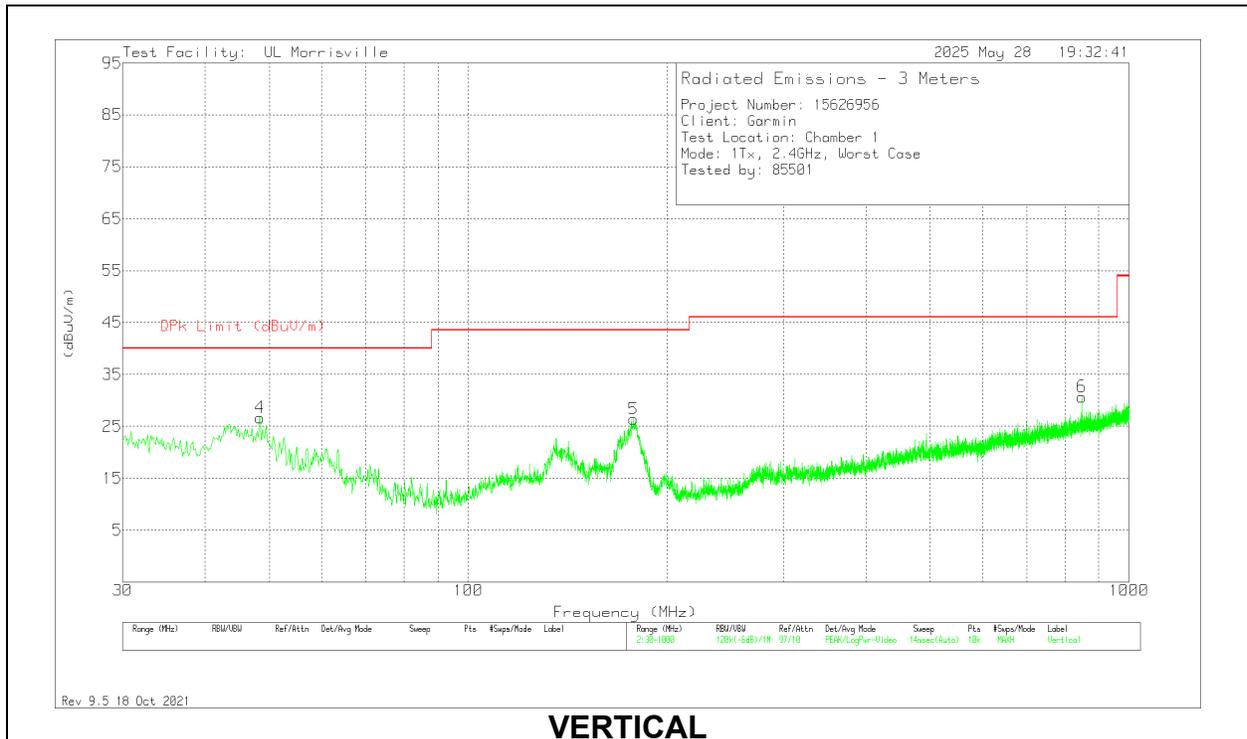
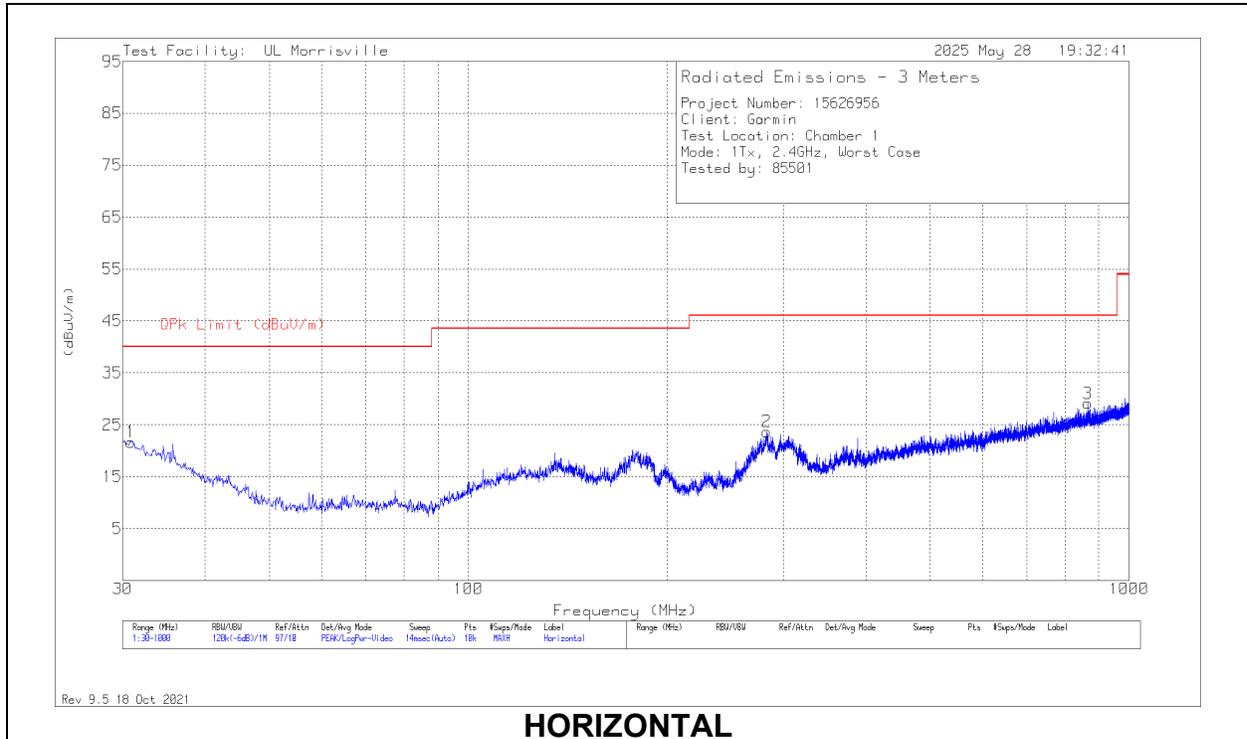
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uAmps/meter)	QP/AV Limit (dBuA/m)	PK Limit (dBuA/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.01085	43.14	Pk	-33	.1	-80	-69.76	-4.6	15.4	-65.16	0-360	0 degs
4	.01454	44.7	Pk	-34.8	.1	-80	-70	-7.15	12.85	-62.85	0-360	90 degs
7	.01589	43.61	Pk	-35.5	.1	-80	-71.79	-7.92	12.08	-63.87	0-360	Flat
5	.20398	44.84	Pk	-40.6	.1	-80	-75.66	-30.09	-10.09	-45.57	0-360	90 degs
8	.2673	42.36	Pk	-40.6	.1	-80	-78.14	-32.44	-12.44	-45.7	0-360	Flat
2	.31643	40.69	Pk	-40.6	.1	-80	-79.81	-33.9	-13.9	-45.91	0-360	0 degs
6	.49422	36.32	Pk	-40.5	.1	-40	-44.08	-17.77	-	-26.31	0-360	90 degs
3	.5954	34.1	Pk	-40.5	.1	-40	-46.3	-19.39	-	-26.91	0-360	0 degs
9	.63334	34.39	Pk	-40.5	.1	-40	-46.01	-19.93	-	-26.08	0-360	Flat

Pk - Peak detector

### 10.3. WORST CASE BELOW 1 GHZ

#### 10.3.1. 2.4 WLAN

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



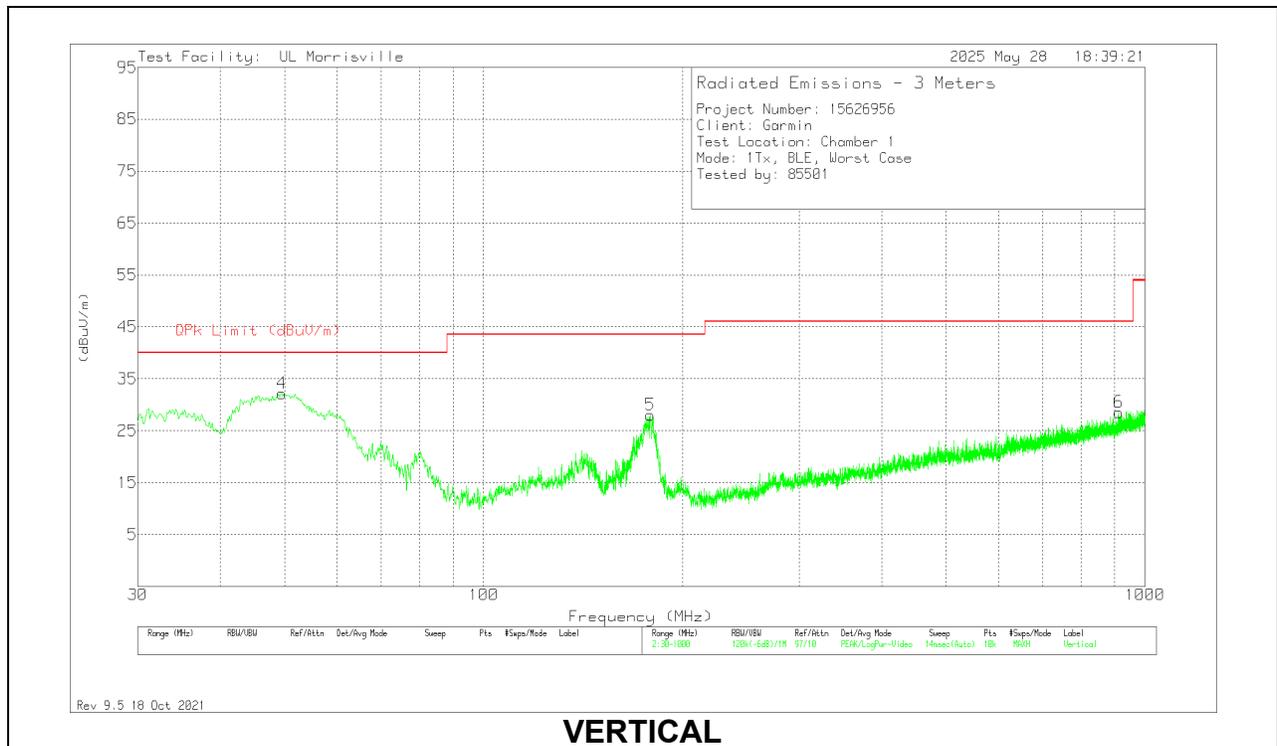
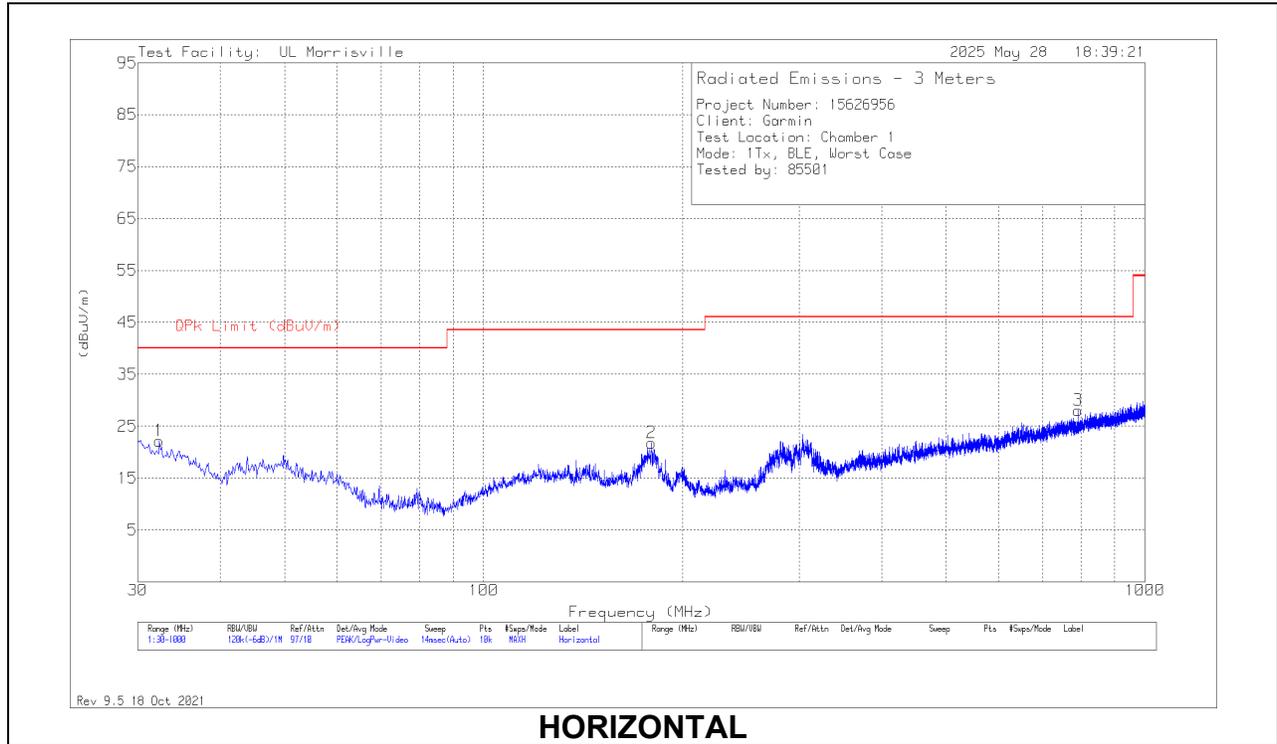
**Below 1GHz Data**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.873	27.29	Pk	26.2	-31.8	21.69	40	-18.31	0-360	200	H
4	48.3815	43.73	Pk	14.6	-31.7	26.63	40	-13.37	0-360	100	V
5	177.925	38.95	Pk	17.6	-30.2	26.35	43.52	-17.17	0-360	100	V
2	283.267	33.12	Pk	19.5	-29	23.62	46.02	-22.4	0-360	100	H
6	847.904	30	Pk	27.9	-27.2	30.7	46.02	-15.32	0-360	100	V
3	866.431	27.8	Pk	28.1	-26.8	29.1	46.02	-16.92	0-360	200	H

Pk - Peak detector

**10.3.2. BLE**

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



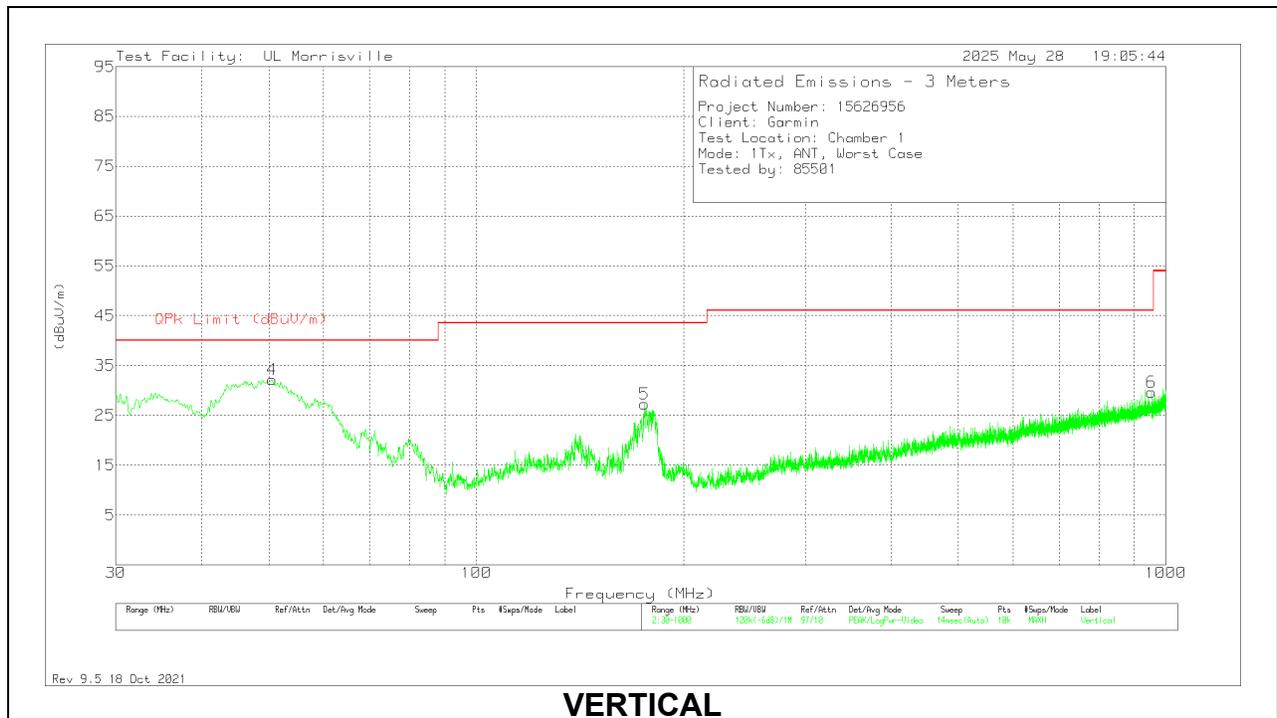
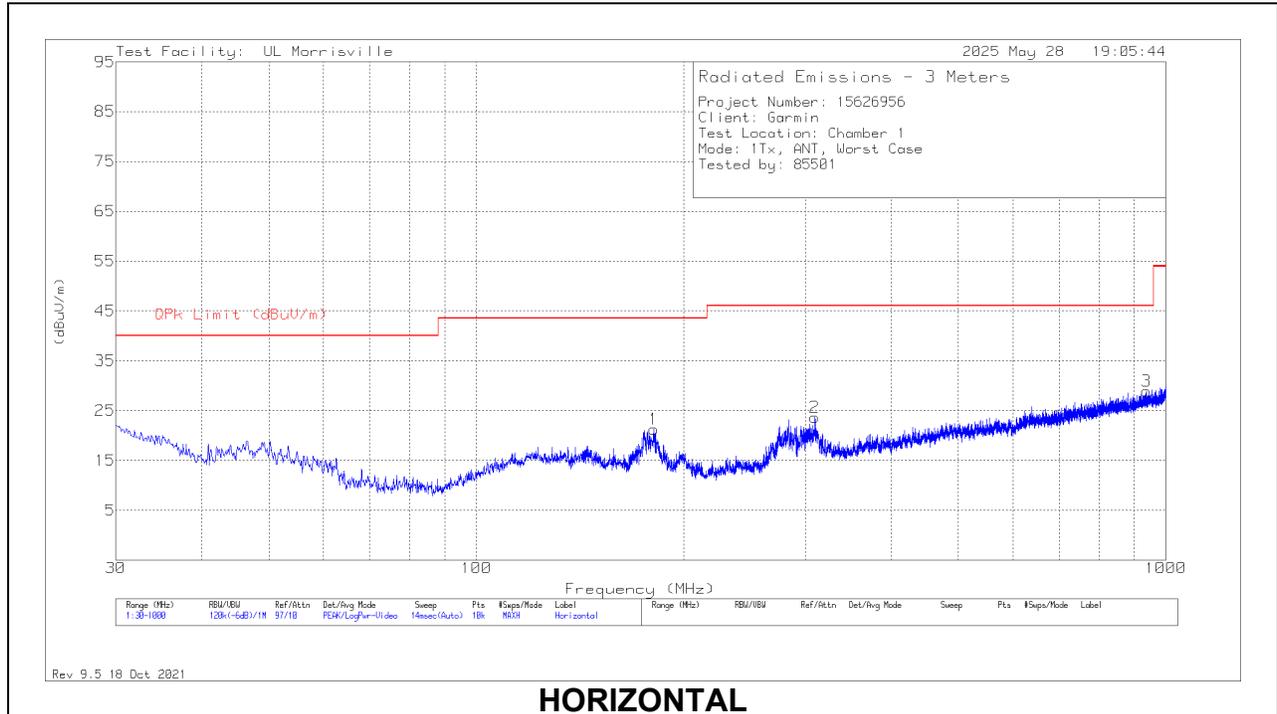
**Below 1GHz Data**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	32.328	28.93	Pk	25.2	-32	22.13	40	-17.87	0-360	299	H
4	49.497	49.27	Pk	14.2	-31.3	32.17	40	-7.83	0-360	100	V
5	178.701	40.83	Pk	17.6	-30.4	28.03	43.52	-15.49	0-360	100	V
2	179.283	34.86	Pk	17.6	-30.7	21.76	43.52	-21.76	0-360	199	H
3	791.353	28.39	Pk	27.4	-27.7	28.09	46.02	-17.93	0-360	299	H
6	911.73	26.7	Pk	28.4	-26.6	28.5	46.02	-17.52	0-360	100	V

Pk - Peak detector

### 10.3.3. ANT

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



**Below 1GHz Data**

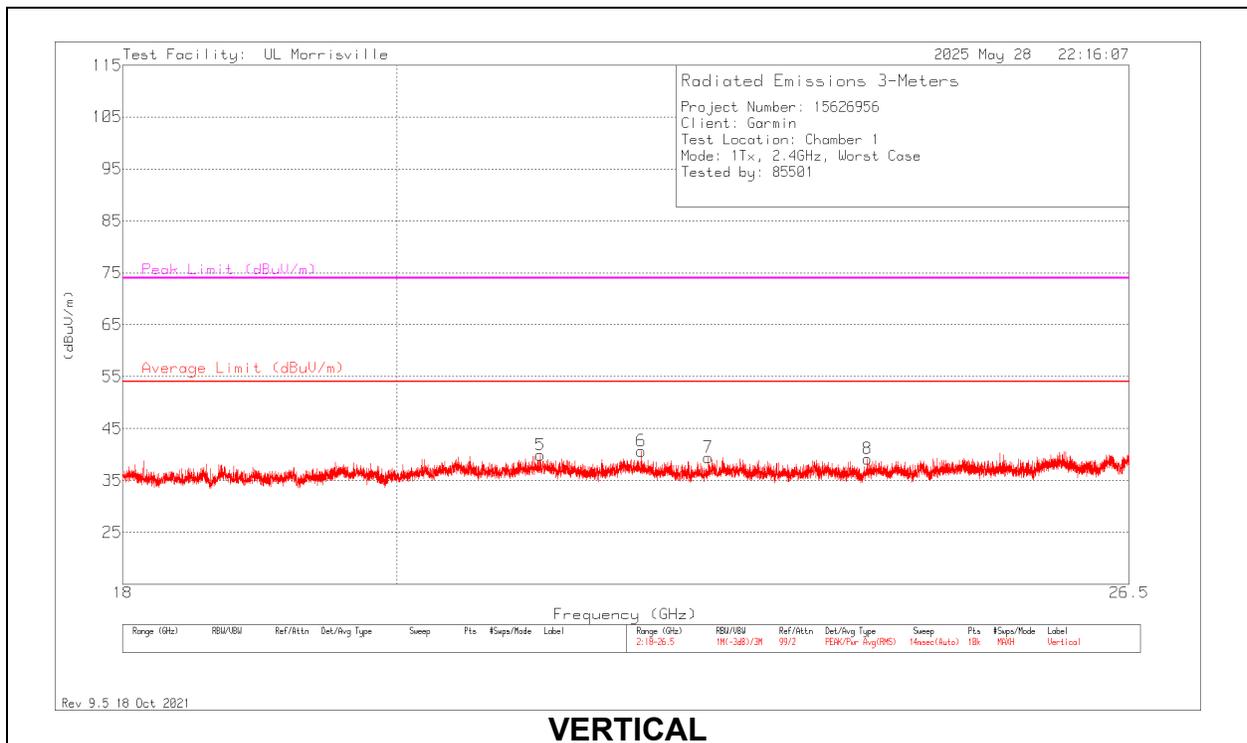
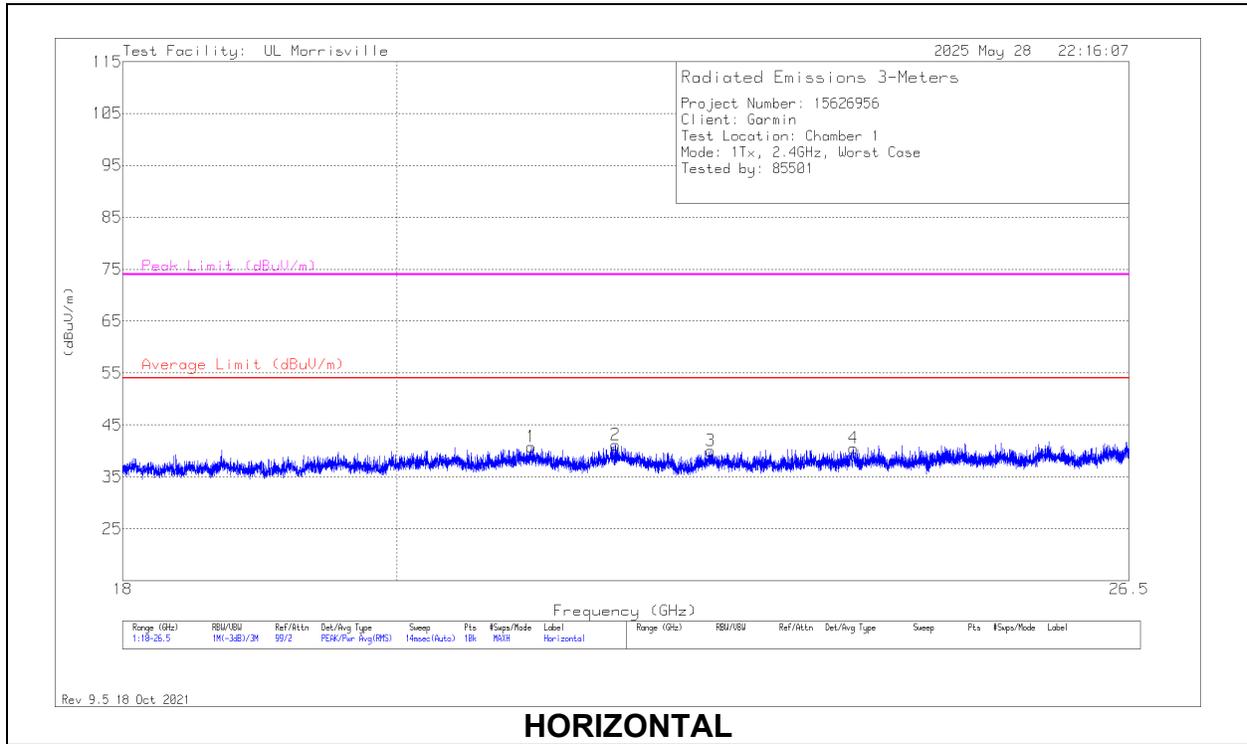
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	50.564	49.68	Pk	13.9	-31.4	32.18	40	-7.82	0-360	100	V
5	175.403	39.47	Pk	17.7	-29.9	27.27	43.52	-16.25	0-360	100	V
1	180.932	34.38	Pk	17.5	-30.6	21.28	43.52	-22.24	0-360	199	H
2	309.845	33.04	Pk	19.8	-29.2	23.64	46.02	-22.38	0-360	100	H
3	936.562	26.44	Pk	28.8	-26.3	28.94	46.02	-17.08	0-360	199	H
6	953.052	26.9	Pk	29	-26.2	29.7	46.02	-16.32	0-360	100	V

Pk - Peak detector

## 10.4. WORST CASE 18-26 GHZ

### 10.4.1. 2.4 WLAN

#### SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



**18 – 26GHz Data**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 21.06201	47.97	Pk	32.8	-40	40.77	54	-13.23	74	-33.23	0-360	149	H
3	* ** 22.56496	46.85	Pk	33.4	-40.2	40.05	54	-13.95	74	-33.95	0-360	101	H
4	* ** 23.83923	46.52	Pk	33.9	-39.9	40.52	54	-13.48	74	-33.48	0-360	101	H
5	* ** 21.13256	47.05	Pk	32.8	-40	39.85	54	-14.15	74	-34.15	0-360	201	V
7	* ** 22.54285	46.2	Pk	33.4	-40.2	39.4	54	-14.6	74	-34.6	0-360	101	V
8	* ** 23.9659	45.17	Pk	33.8	-39.8	39.17	54	-14.83	74	-34.83	0-360	101	V
2	21.75228	47.99	Pk	33.3	-40.1	41.19	54	-12.81	74	-32.81	0-360	149	H
6	21.97075	47.48	Pk	33.4	-40.2	40.68	54	-13.32	74	-33.32	0-360	201	V

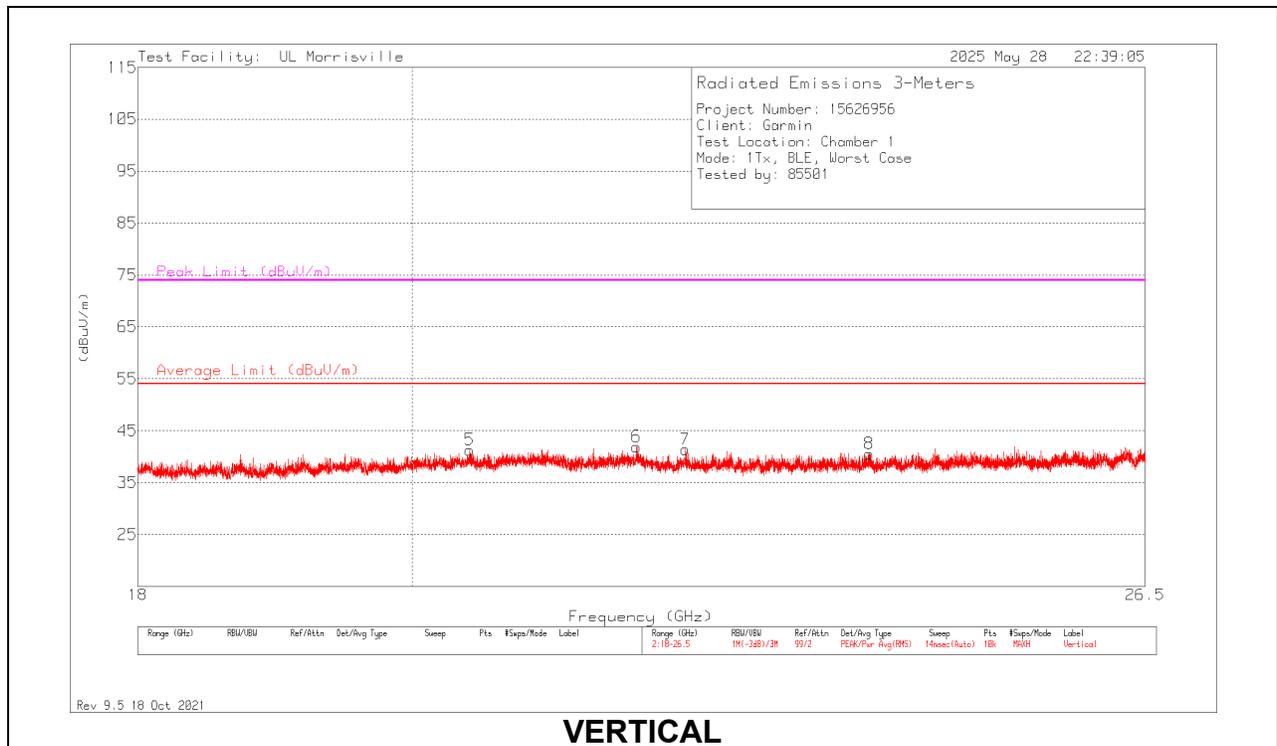
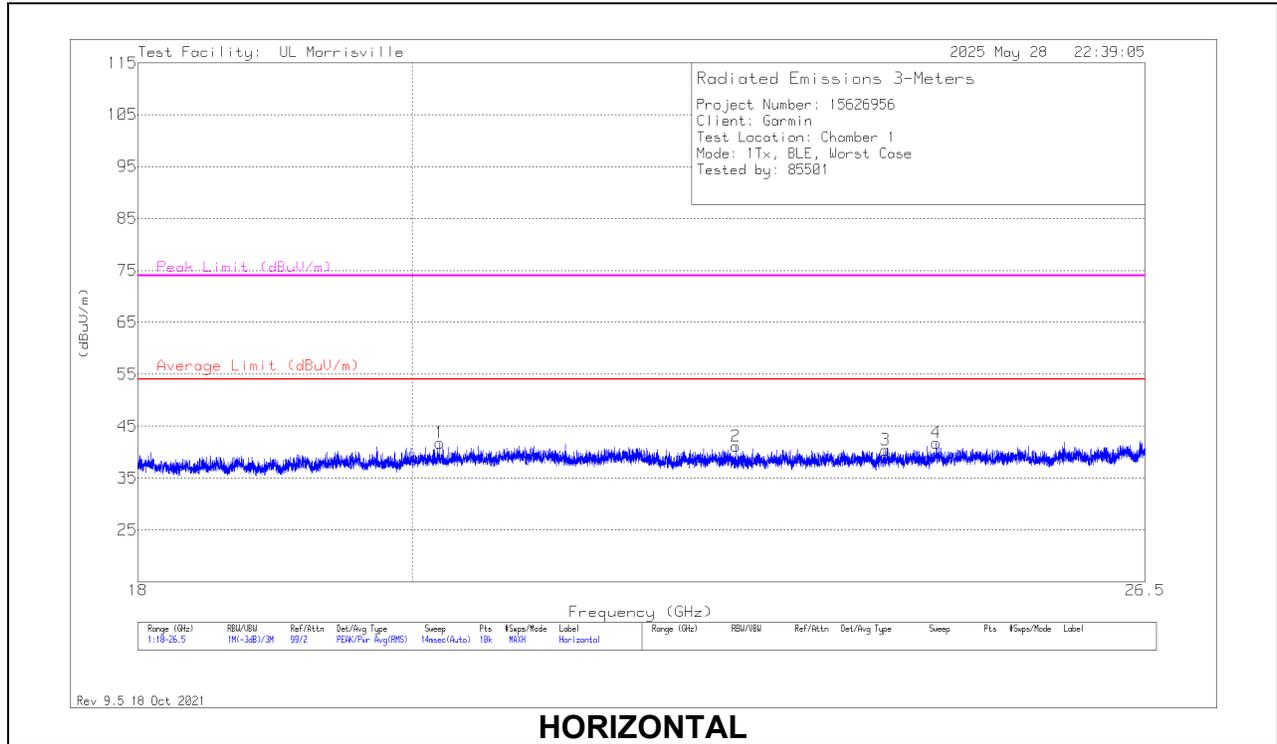
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**10.4.2. BLE**

**SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)**



**18 – 26GHz Data**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.21277	49.41	Pk	32.5	-40.1	41.81	54	-12.19	74	-32.19	0-360	101	H
2	* ** 22.64741	47.9	Pk	33.4	-40.2	41.1	54	-12.9	74	-32.9	0-360	101	H
3	* ** 23.9846	46.37	Pk	33.8	-39.8	40.37	54	-13.63	74	-33.63	0-360	150	H
5	* ** 20.44569	48.58	Pk	32.8	-40.1	41.28	54	-12.72	74	-32.72	0-360	251	V
7	* ** 22.21132	48.15	Pk	33.4	-40.2	41.35	54	-12.65	74	-32.65	0-360	150	V
8	* ** 23.83583	46.49	Pk	33.9	-39.9	40.49	54	-13.51	74	-33.51	0-360	251	V
6	21.80158	48.57	Pk	33.4	-40.1	41.87	-	-	-	-	0-360	300	V
4	24.46065	47.17	Pk	34.1	-39.5	41.77	-	-	-	-	0-360	101	H

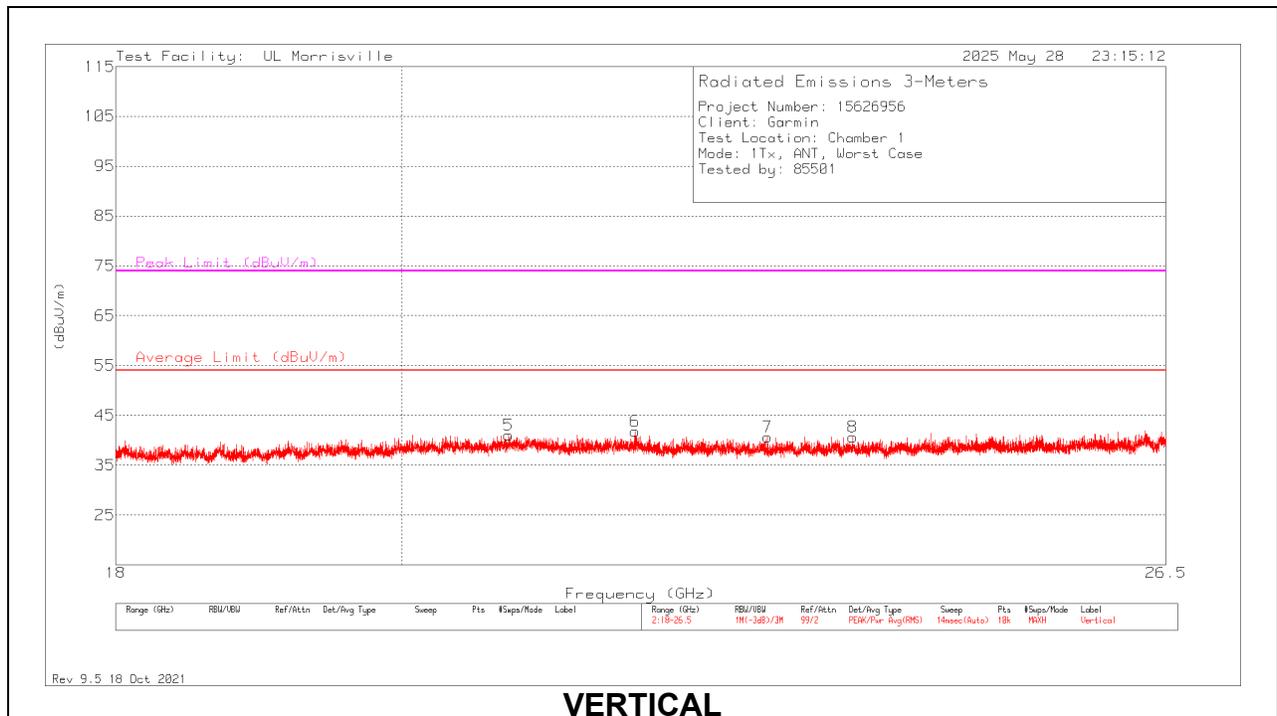
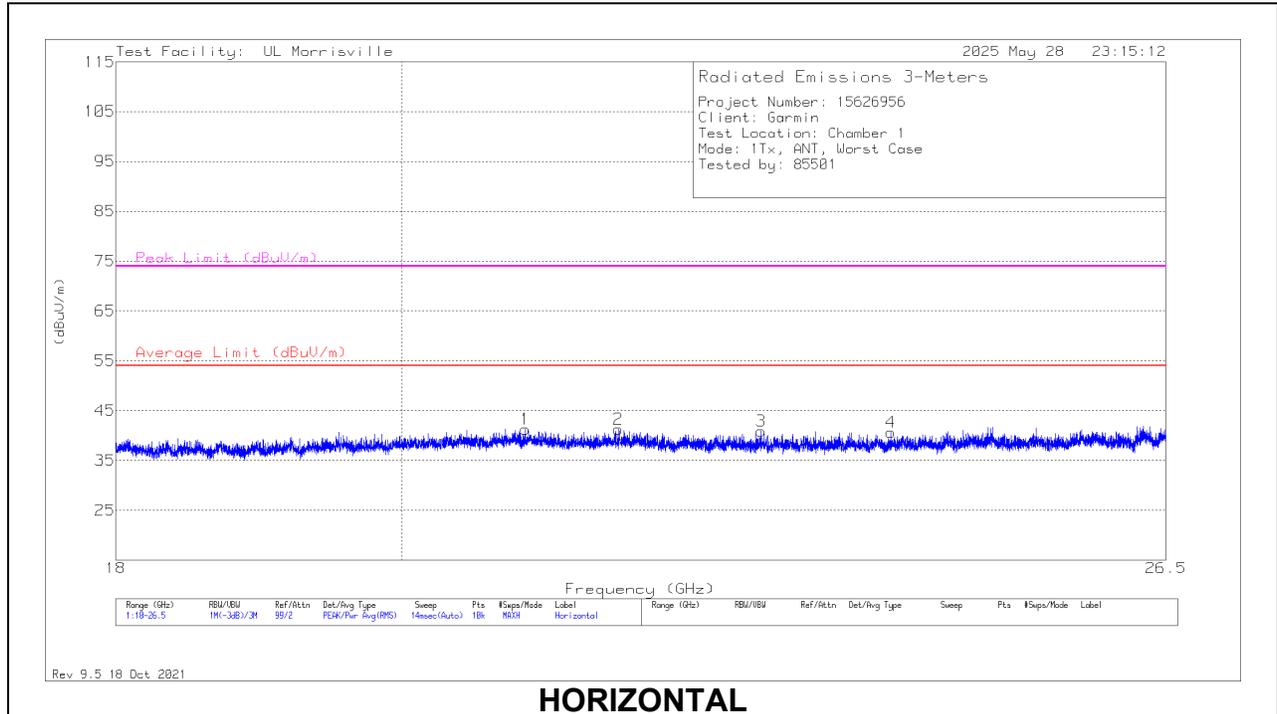
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

**10.4.3. ANT**

**SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)**



**18 – 26GHz Data**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Horn (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.92939	48.45	Pk	32.8	-40	41.25	54	-12.75	74	-32.75	0-360	299	H
3	* ** 22.82763	47.57	Pk	33.5	-40.2	40.87	54	-13.13	74	-33.13	0-360	299	H
4	* ** 23.94804	46.64	Pk	33.8	-39.8	40.64	54	-13.36	74	-33.36	0-360	299	H
5	* ** 20.80188	48.3	Pk	32.7	-40	41	54	-13	74	-33	0-360	101	V
7	* ** 22.88459	47.32	Pk	33.5	-40.2	40.62	54	-13.38	74	-33.38	0-360	299	V
8	* ** 23.61311	46.81	Pk	33.8	-40	40.61	54	-13.39	74	-33.39	0-360	150	V
2	21.66047	48.26	Pk	33.1	-40.1	41.26	54	-12.74	74	-32.74	0-360	249	H
6	21.79648	48.46	Pk	33.4	-40.1	41.76	54	-12.24	74	-32.24	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

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)  
RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

### TEST PROCEDURE

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

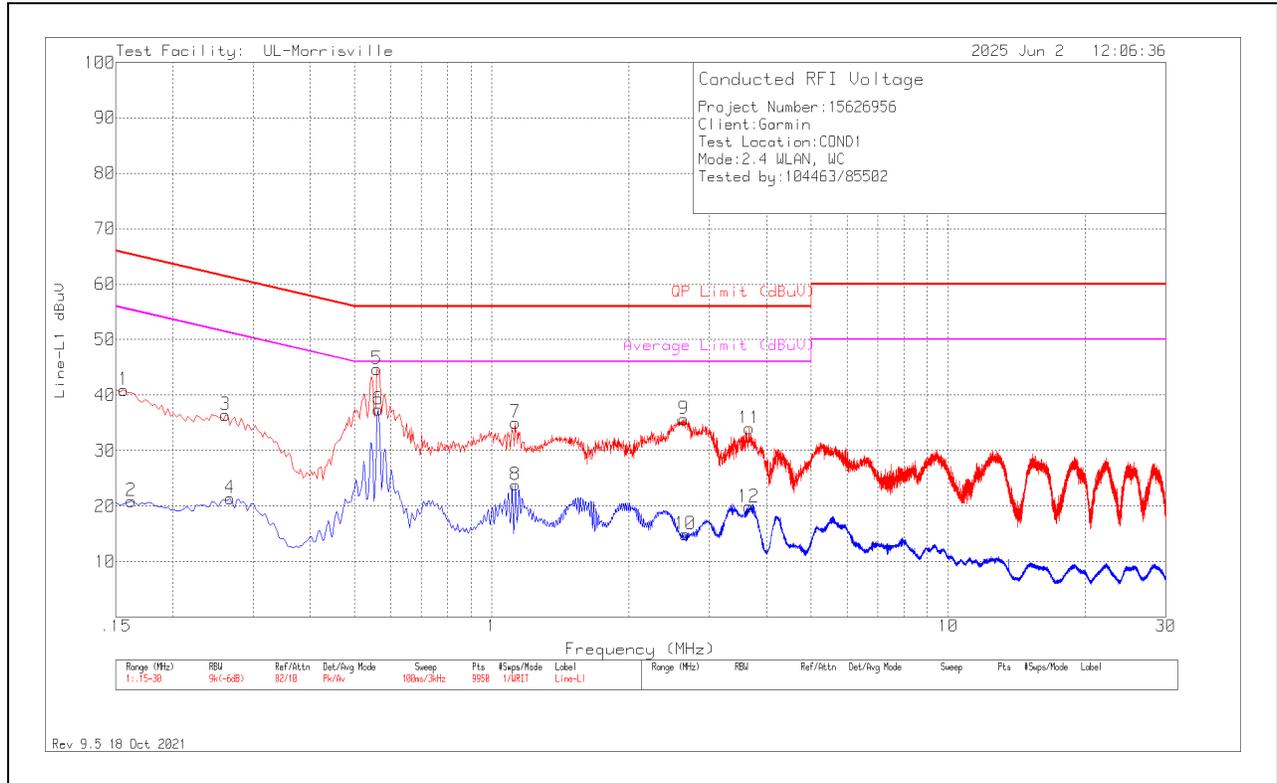
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

### 11.1. AC Power Line (WLAN)

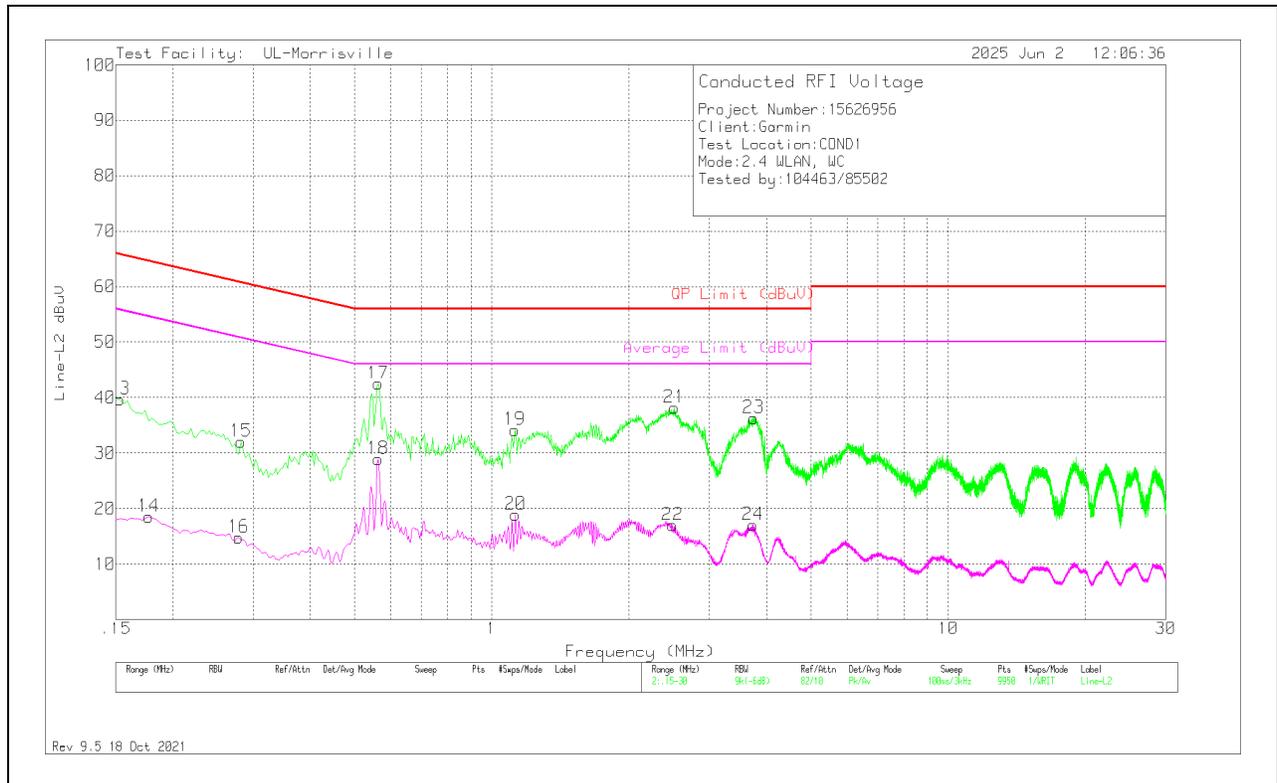
#### LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading (dBuV)	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.156	31.01	Pk	.2	9.7	40.91	65.67	-24.76	-	-
2	.162	10.98	Av	.2	9.7	20.88	-	-	55.36	-34.48
3	.261	26.62	Pk	.1	9.7	36.42	61.4	-24.98	-	-
4	.267	11.55	Av	.1	9.7	21.35	-	-	51.21	-29.86
5	.561	35.03	Pk	0	9.7	44.73	56	-11.27	-	-
6	.564	27.68	Av	0	9.7	37.38	-	-	46	-8.62
7	1.125	25.38	Pk	0	9.7	35.08	56	-20.92	-	-
8	1.128	14.13	Av	0	9.7	23.83	-	-	46	-22.17
9	2.637	25.96	Pk	0	9.7	35.66	56	-20.34	-	-
10	2.655	5.24	Av	0	9.7	14.94	-	-	46	-31.06
12	3.651	10.13	Av	0	9.7	19.83	-	-	46	-26.17
11	3.666	24.28	Pk	0	9.7	33.98	56	-22.02	-	-

Pk - Peak detector  
 Av - Average detection

### LINE 2 RESULTS

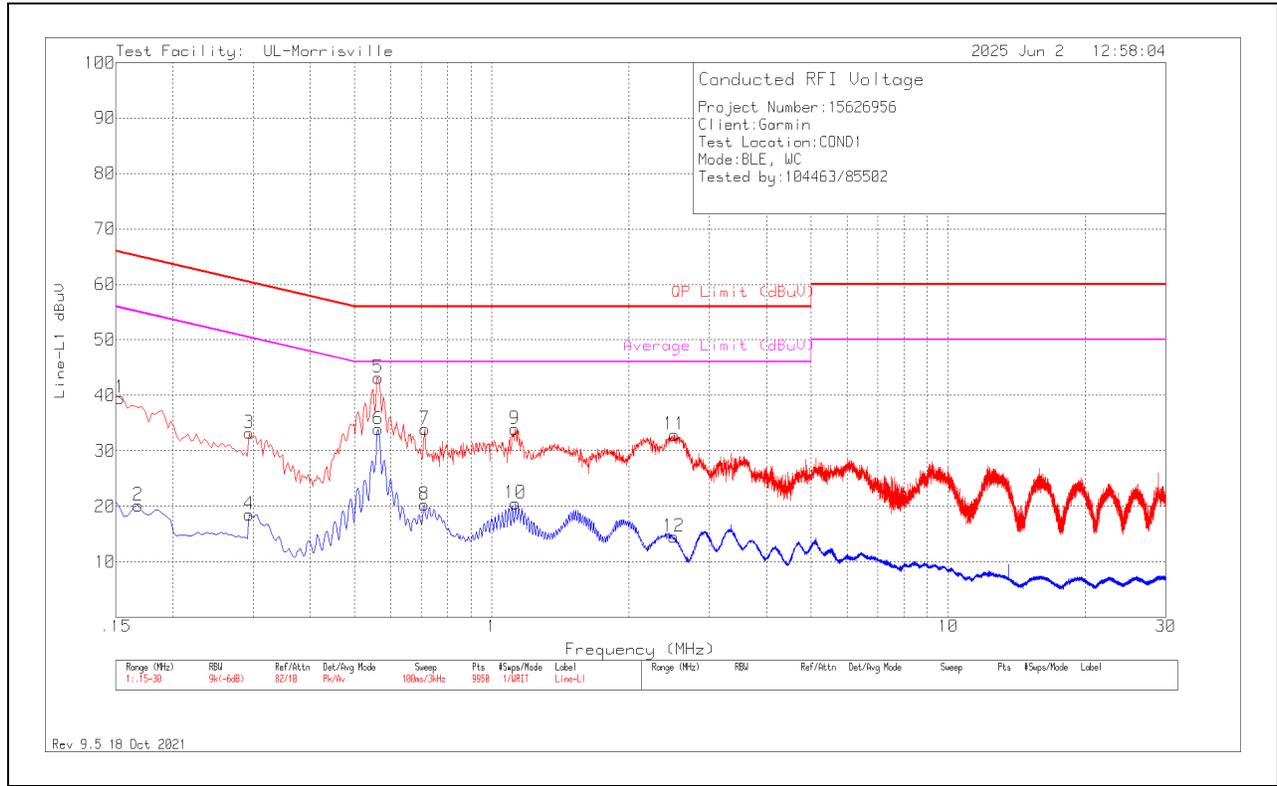


Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	29.76	Pk	.2	9.7	39.66	65.84	-26.18	-	-
14	.177	8.63	Av	.2	9.7	18.53	-	-	54.63	-36.1
16	.279	4.93	Av	.1	9.7	14.73	-	-	50.85	-36.12
15	.282	22.2	Pk	.1	9.7	32	60.76	-28.76	-	-
17	.564	32.79	Pk	0	9.7	42.49	56	-13.51	-	-
18	.564	19.25	Av	0	9.7	28.95	-	-	46	-17.05
19	1.122	24.48	Pk	0	9.7	34.18	56	-21.82	-	-
20	1.128	9.21	Av	0	9.7	18.91	-	-	46	-27.09
22	2.49	7.26	Av	0	9.7	16.96	-	-	46	-29.04
21	2.514	28.49	Pk	0	9.7	38.19	56	-17.81	-	-
24	3.738	7.29	Av	0	9.7	16.99	-	-	46	-29.01
23	3.75	26.6	Pk	0	9.7	36.3	56	-19.7	-	-

Pk - Peak detector  
 Av - Average detection

## 11.2. BLE

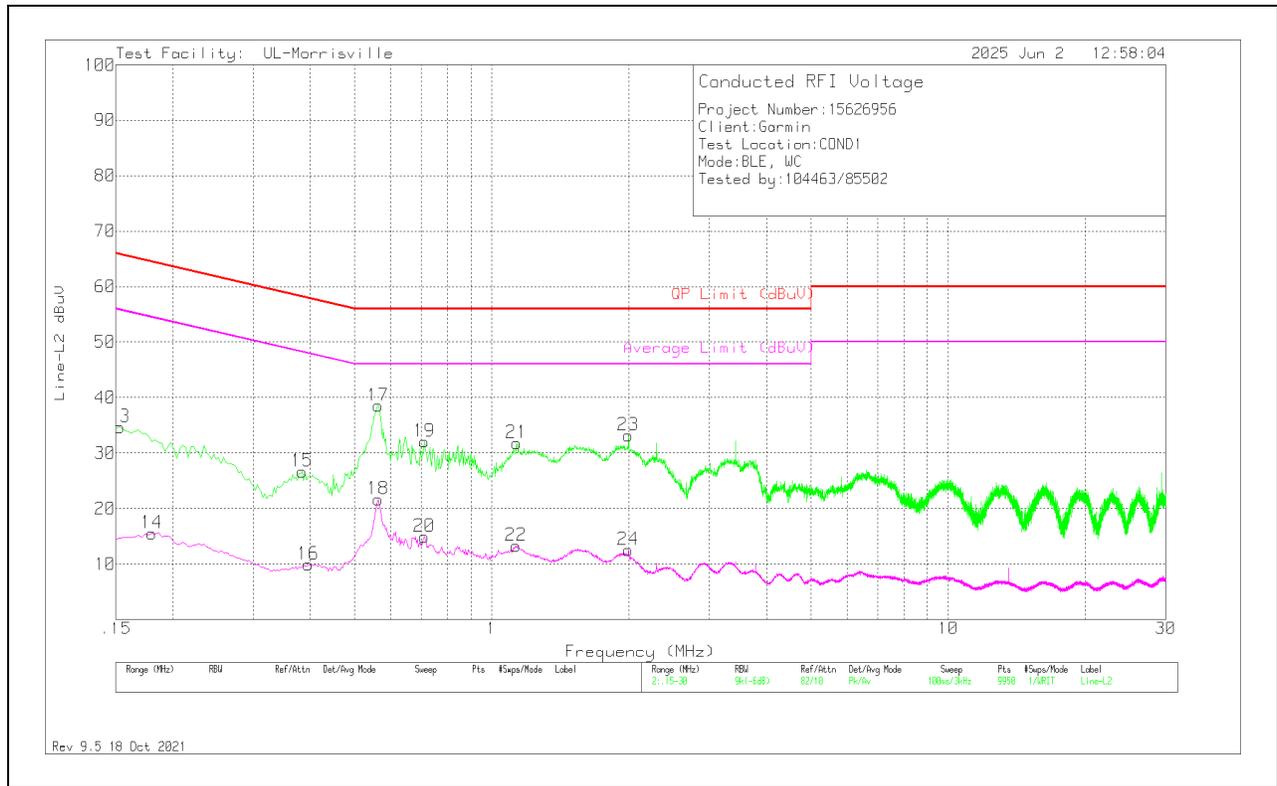
### LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.153	29.62	Pk	.2	9.7	39.52	65.84	-26.32	-	-
2	.168	10.23	Av	.2	9.7	20.13	-	-	55.06	-34.93
3	.294	23.42	Pk	.1	9.7	33.22	60.41	-27.19	-	-
4	.294	8.76	Av	.1	9.7	18.56	-	-	50.41	-31.85
5	.564	33.53	Pk	0	9.7	43.23	56	-12.77	-	-
6	.564	24.16	Av	0	9.7	33.86	-	-	46	-12.14
8	.711	10.62	Av	0	9.7	20.32	-	-	46	-25.68
7	.714	24.17	Pk	0	9.7	33.87	56	-22.13	-	-
9	1.122	24.19	Pk	0	9.7	33.89	56	-22.11	-	-
10	1.128	10.85	Av	0	9.7	20.55	-	-	46	-25.45
12	2.508	4.84	Av	0	9.7	14.54	-	-	46	-31.46
11	2.511	23.26	Pk	0	9.7	32.96	56	-23.04	-	-

Pk - Peak detector  
 Av - Average detection

### LINE 2 RESULTS

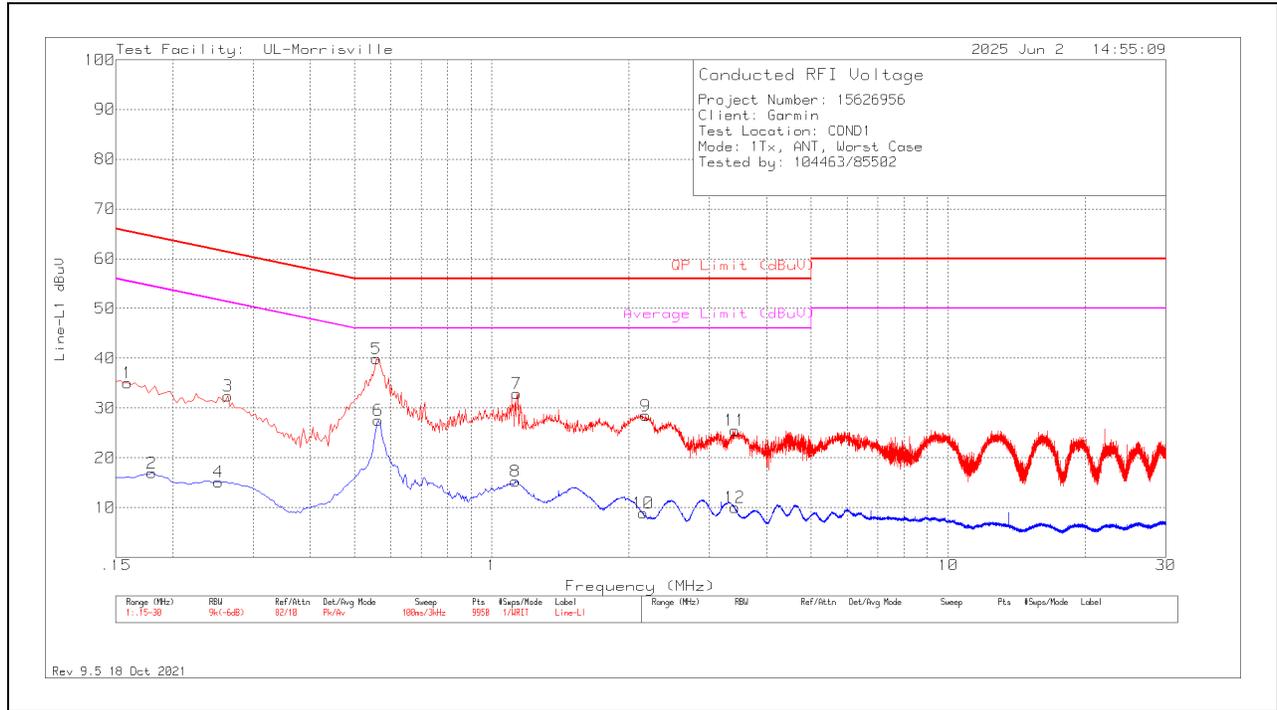


Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	24.8	Pk	.2	9.7	34.7	65.84	-31.14	-	-
14	.18	5.6	Av	.2	9.7	15.5	-	-	54.49	-38.99
15	.384	16.9	Pk	.1	9.7	26.7	58.19	-31.49	-	-
16	.396	.13	Av	.1	9.7	9.93	-	-	47.94	-38.01
17	.564	28.79	Pk	0	9.7	38.49	56	-17.51	-	-
18	.564	11.93	Av	0	9.7	21.63	-	-	46	-24.37
19	.711	22.39	Pk	0	9.7	32.09	56	-23.91	-	-
20	.711	5.17	Av	0	9.7	14.87	-	-	46	-31.13
22	1.131	3.59	Av	0	9.7	13.29	-	-	46	-32.71
21	1.134	22.04	Pk	0	9.7	31.74	56	-24.26	-	-
23	1.992	23.45	Pk	0	9.7	33.15	56	-22.85	-	-
24	1.992	2.82	Av	0	9.7	12.52	-	-	46	-33.48

Pk - Peak detector  
 Av - Average detection

### 11.3. AC Power Line (ANT)

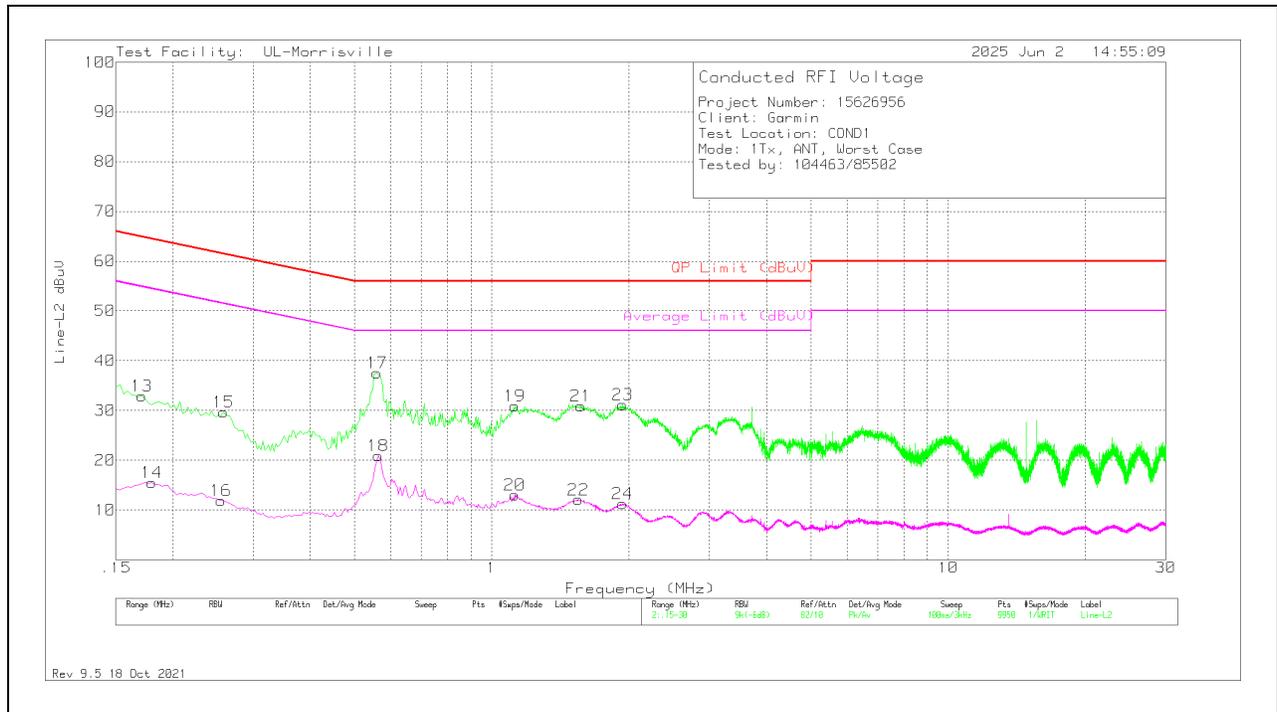
#### LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.159	25.18	Pk	.2	9.7	35.08	65.52	-30.44	-	-
2	.18	7.05	Av	.2	9.7	16.95	-	-	54.49	-37.54
4	.252	5.39	Av	.1	9.7	15.19	-	-	51.69	-36.5
3	.264	22.6	Pk	.1	9.7	32.4	61.3	-28.9	-	-
5	.558	30.17	Pk	0	9.7	39.87	56	-16.13	-	-
6	.564	17.79	Av	0	9.7	27.49	-	-	46	-18.51
8	1.128	5.61	Av	0	9.7	15.31	-	-	46	-30.69
7	1.134	23.18	Pk	0	9.7	32.88	56	-23.12	-	-
10	2.145	-.83	Av	0	9.7	8.87	-	-	46	-37.13
9	2.172	18.77	Pk	0	9.7	28.47	56	-27.53	-	-
11	3.405	15.82	Pk	0	9.7	25.52	56	-30.48	-	-
12	3.405	.27	Av	0	9.7	9.97	-	-	46	-36.03

Pk - Peak detector  
 Av - Average detection

### LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.171	23.02	Pk	.2	9.7	32.92	64.91	-31.99	-	-
14	.18	5.66	Av	.2	9.7	15.56	-	-	54.49	-38.93
16	.255	2.11	Av	.1	9.7	11.91	-	-	51.59	-39.68
15	.258	19.9	Pk	.1	9.7	29.7	61.5	-31.8	-	-
17	.561	27.87	Pk	0	9.7	37.57	56	-18.43	-	-
18	.564	11.17	Av	0	9.7	20.87	-	-	46	-25.13
19	1.122	21.2	Pk	0	9.7	30.9	56	-25.1	-	-
20	1.1235	3.27	Av	0	9.7	12.97	-	-	46	-33.03
22	1.548	2.37	Av	0	9.7	12.07	-	-	46	-33.93
21	1.566	21.26	Pk	0	9.7	30.96	56	-25.04	-	-
24	1.935	1.51	Av	0	9.7	11.21	-	-	46	-34.79
23	1.938	21.42	Pk	0	9.7	31.12	56	-24.88	-	-

Pk - Peak detector  
 Av - Average detection

## 12. SETUP PHOTOS

Please refer to R15626956-EP1 for setup photos

**END OF TEST REPORT**