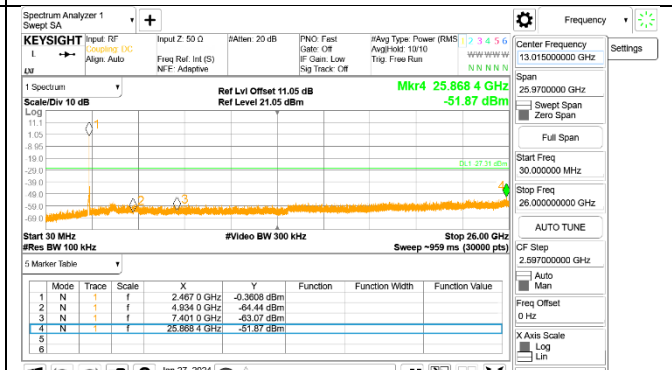
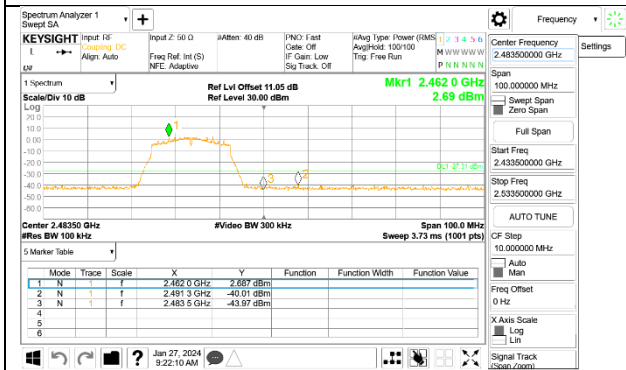
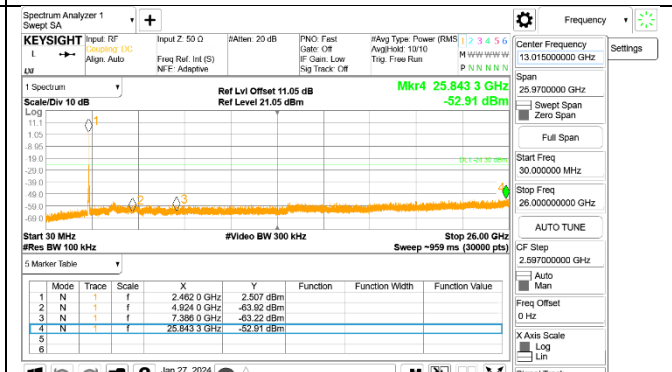
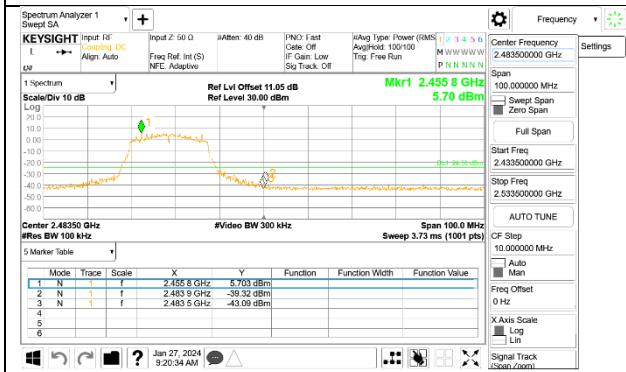
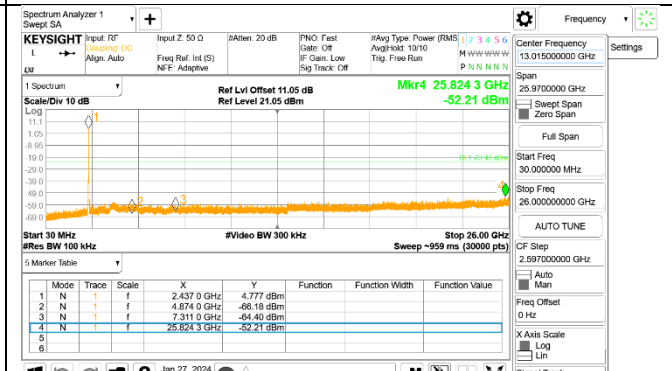
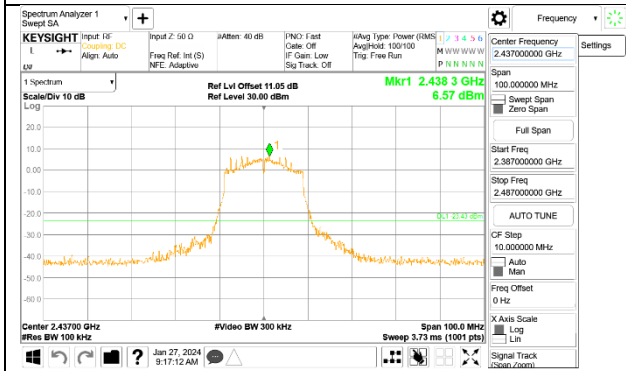
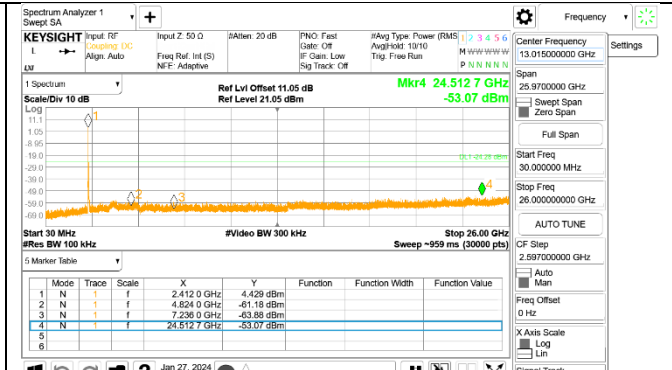
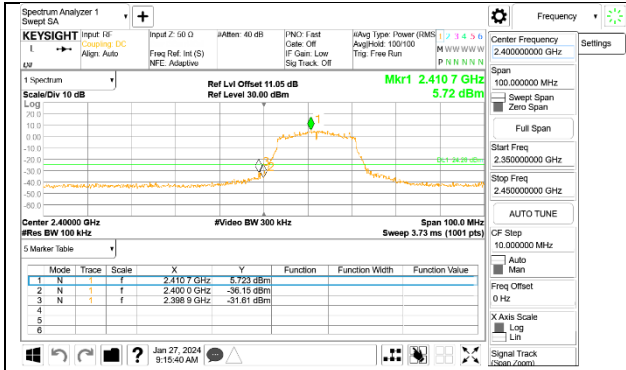
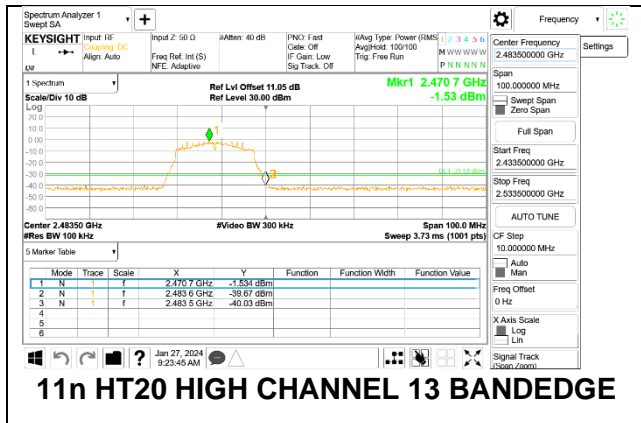


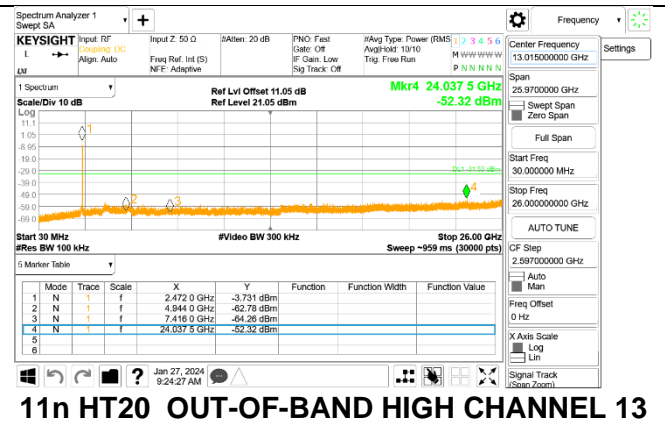
### 9.4.3. 802.11n HT20 MODE

#### Tx0





11n HT20 HIGH CHANNEL 13 BANDEDGE



11n HT20 OUT-OF-BAND HIGH CHANNEL 13

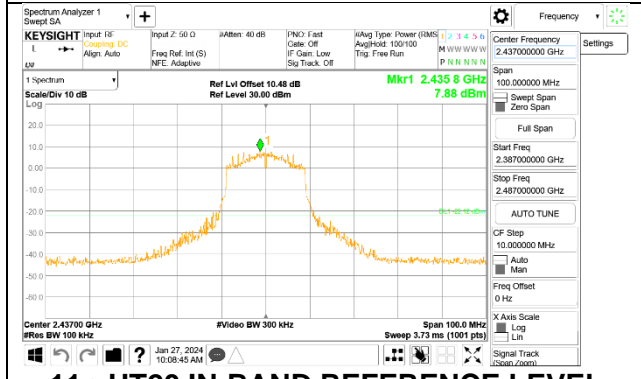
**Tx1**



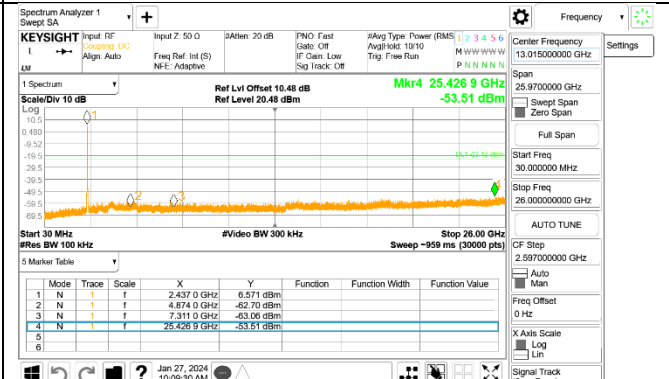
**11n HT20 LOW CHANNEL 1 BANDEDGE**



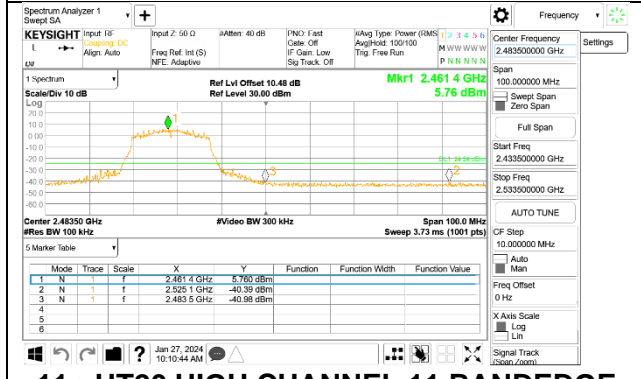
**11n HT20 OUT-OF-BAND LOW CHANNEL 1**



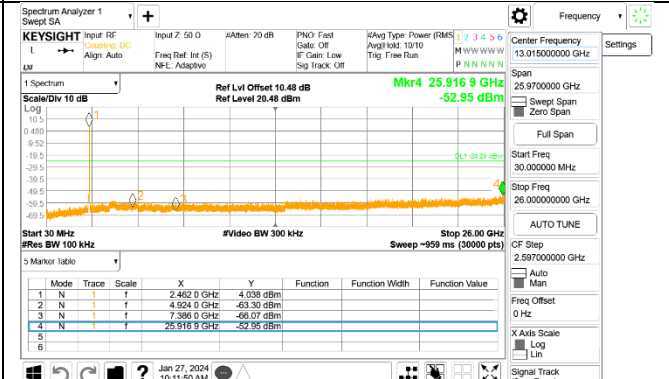
**11n HT20 IN-BAND REFERENCE LEVEL**



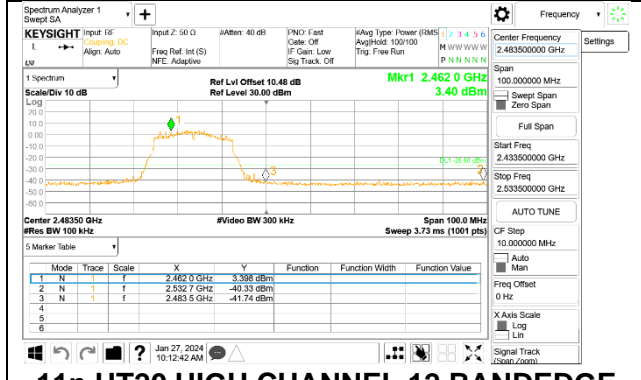
**11n HT20 OUT-OF-BAND MID CHANNEL**



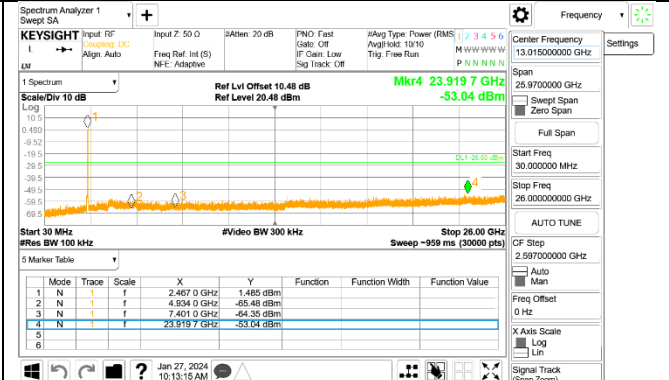
**11n HT20 HIGH CHANNEL 11 BANDEDGE**



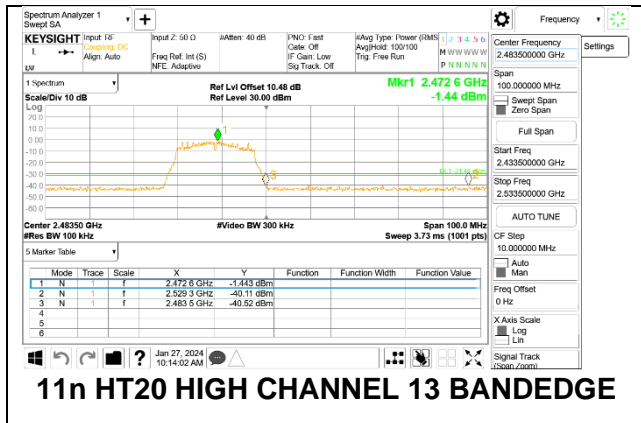
**11n HT20 OUT-OF-BAND HIGH CHANNEL 11**



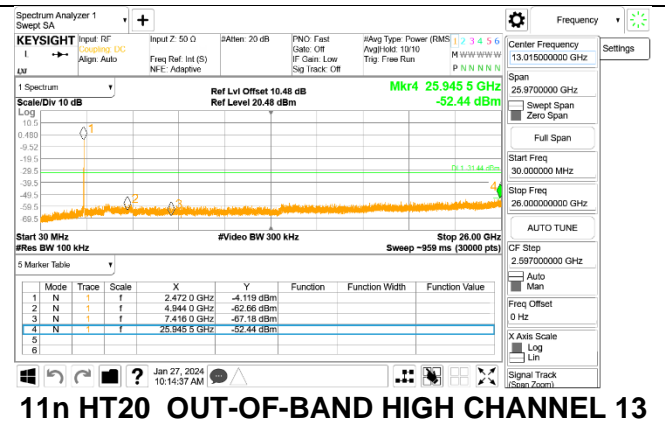
**11n HT20 HIGH CHANNEL 12 BANDEDGE**



**11n HT20 OUT-OF-BAND HIGH CHANNEL 12**



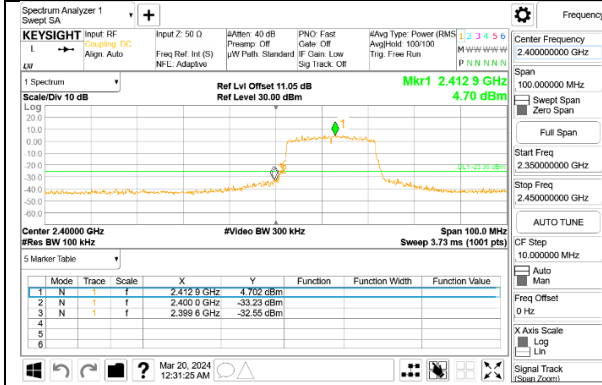
11n HT20 HIGH CHANNEL 13 BANDEDGE



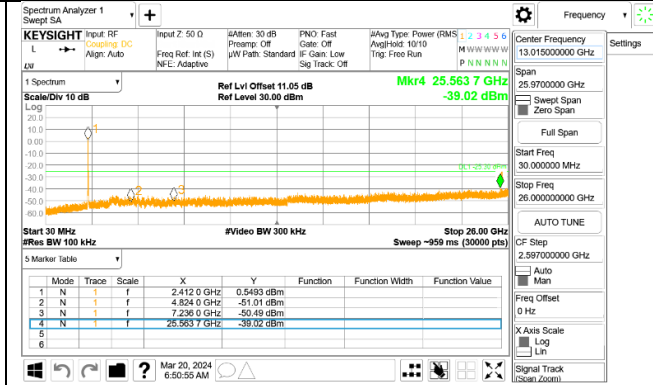
11n HT20 OUT-OF-BAND HIGH CHANNEL 13

### 9.4.4. 802.11be EHT20 MODE

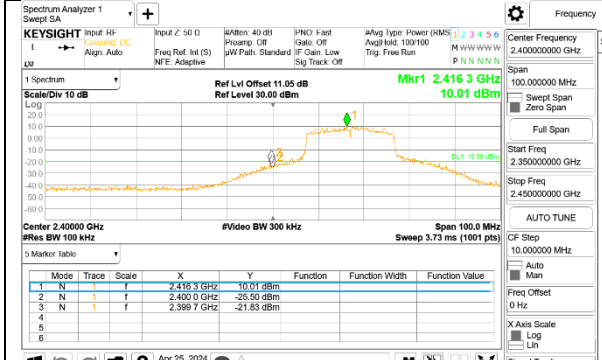
#### Tx0



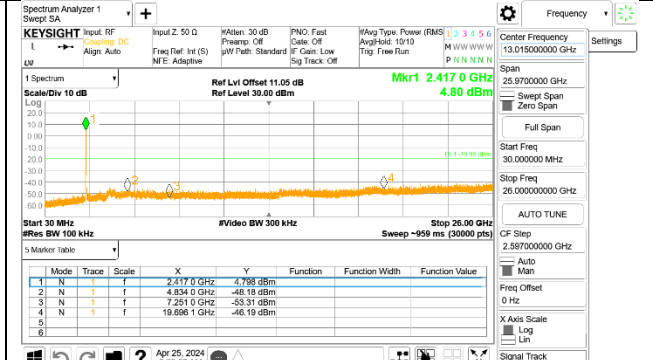
242T LOW CHANNEL 1 BANDEGE



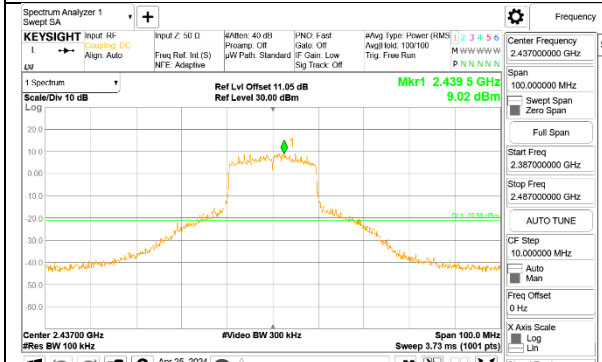
242T OUT-OF-BAND LOW CHANNEL 1



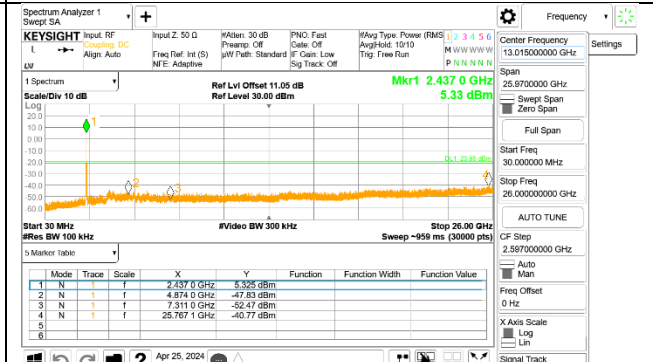
242T LOW CHANNEL 2 BANDEGE



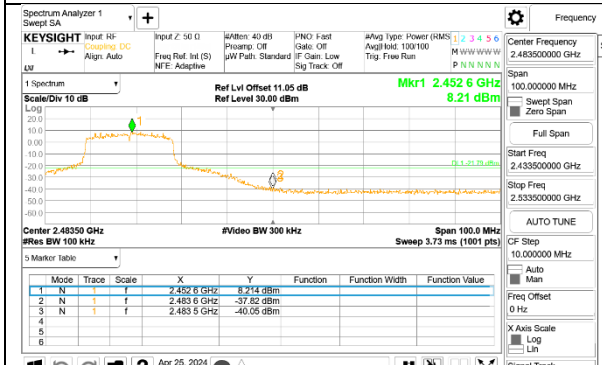
242T OUT-OF-BAND LOW CHANNEL 2



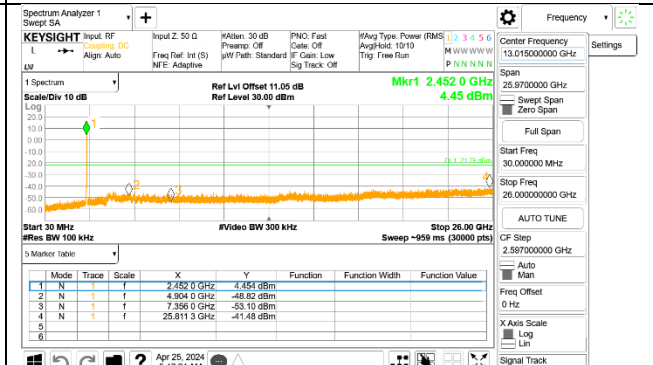
242T IN-BAND REFERENCE LEVEL



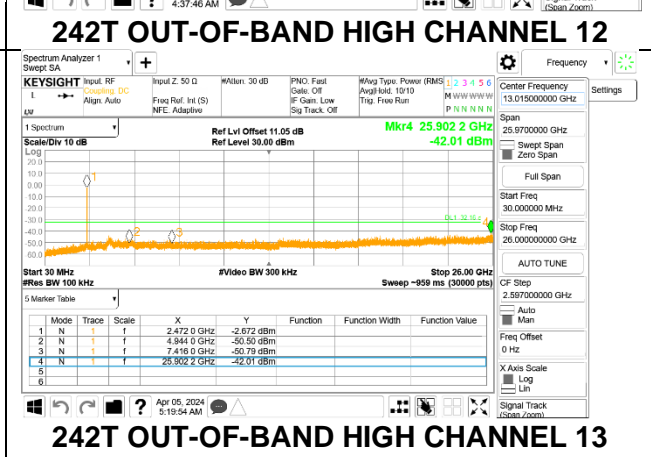
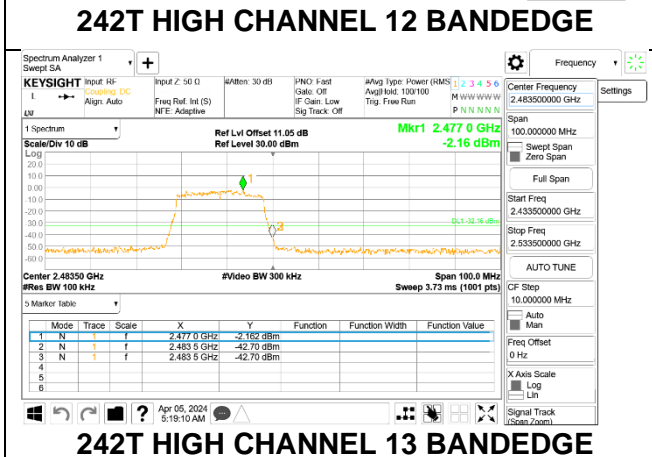
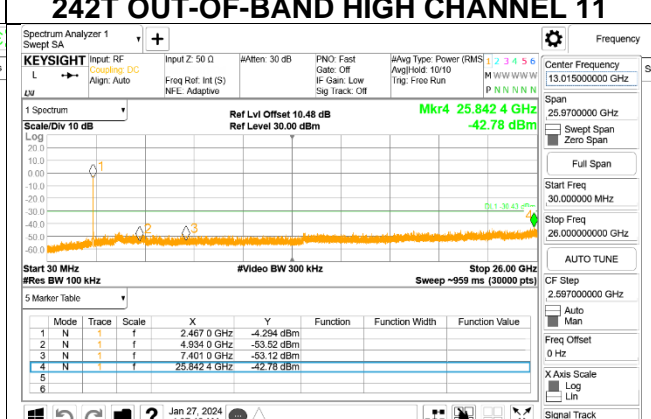
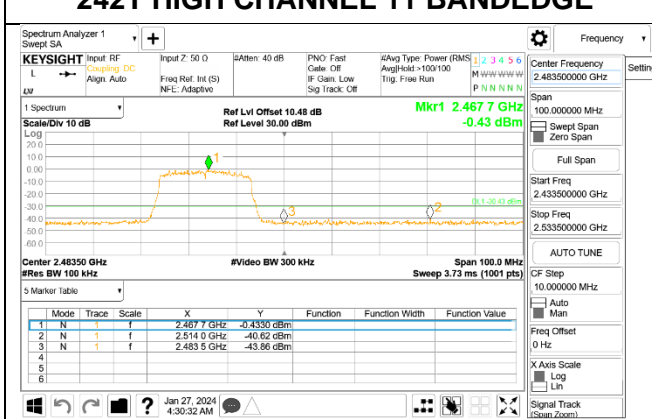
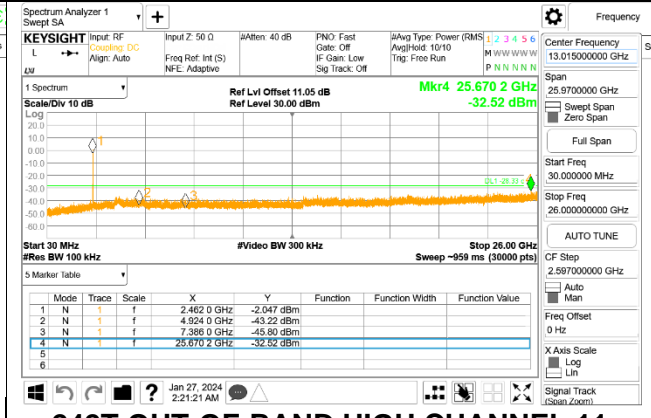
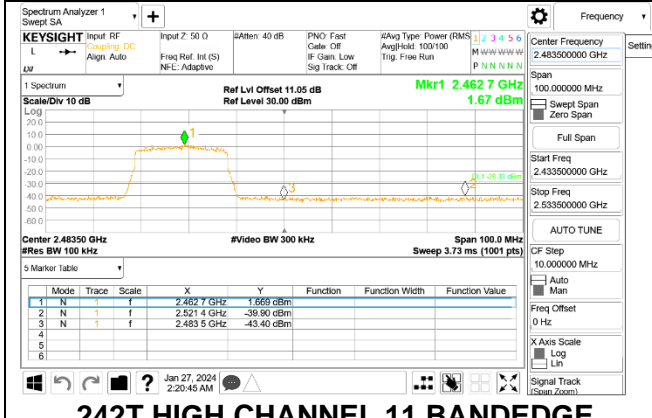
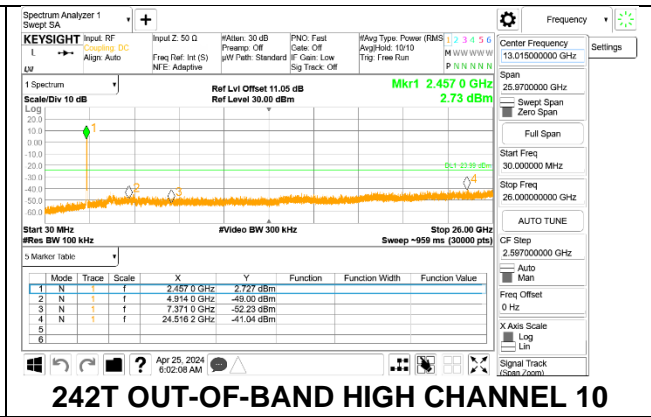
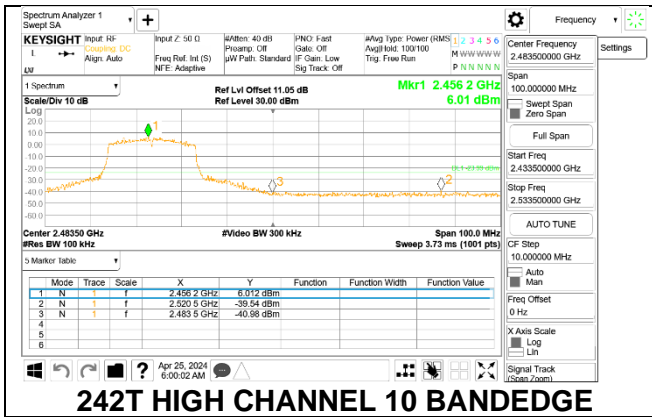
242T OUT-OF-BAND MID CHANNEL



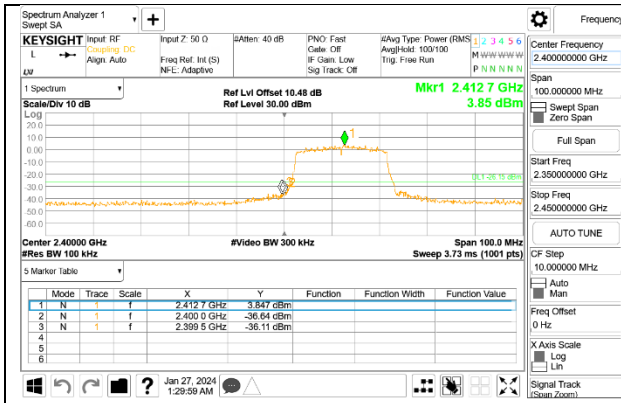
242T HIGH CHANNEL 9 BANDEGE



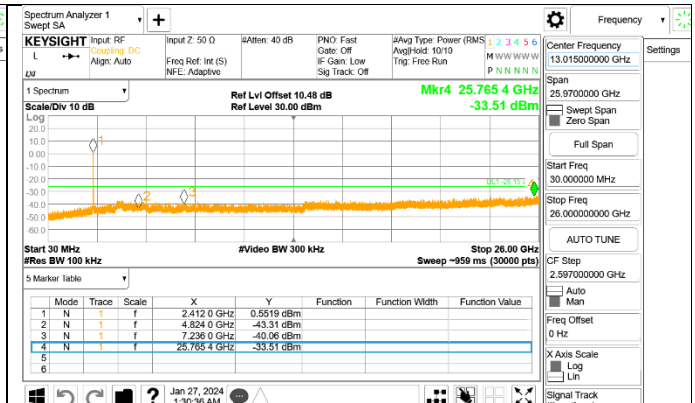
242T OUT-OF-BAND HIGH CHANNEL 9



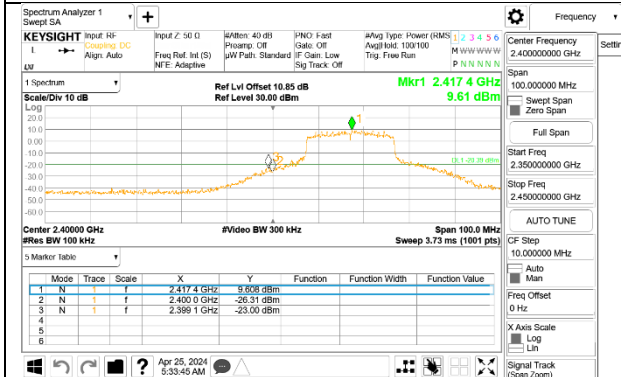
Tx1



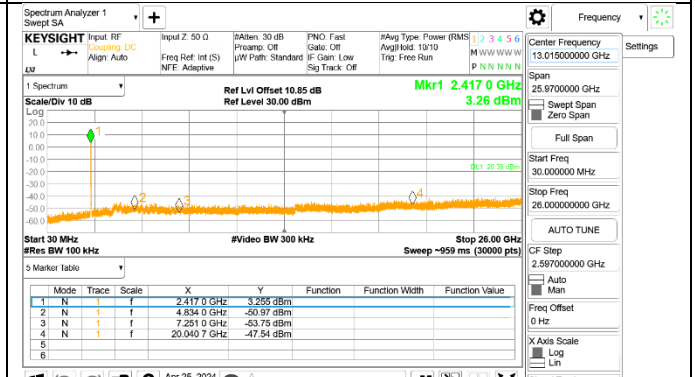
242T LOW CHANNEL 1 BANDEDGE



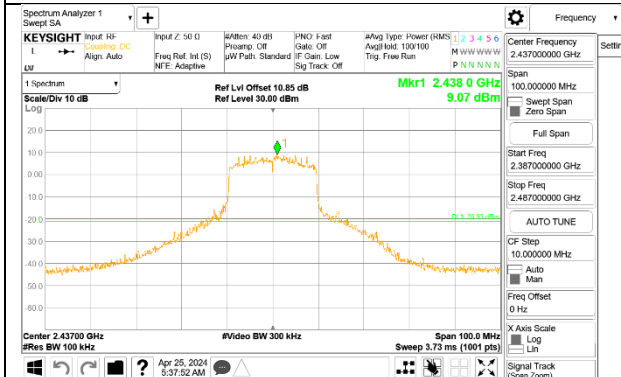
242T OUT-OF-BAND LOW CHANNEL 1



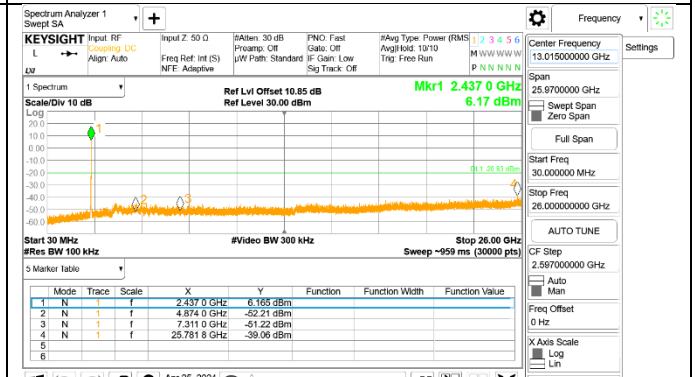
242T LOW CHANNEL 2 BANDEDGE



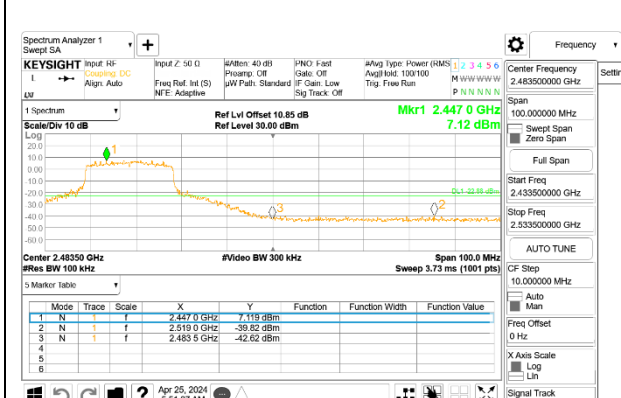
242T OUT-OF-BAND LOW CHANNEL 2



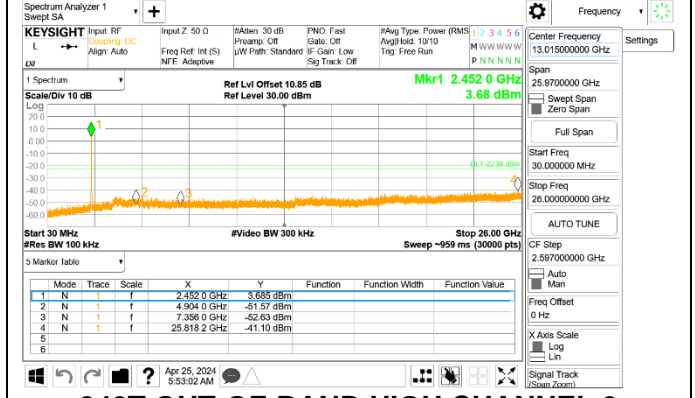
242T LOW CHANNEL 6 BANDEDGE



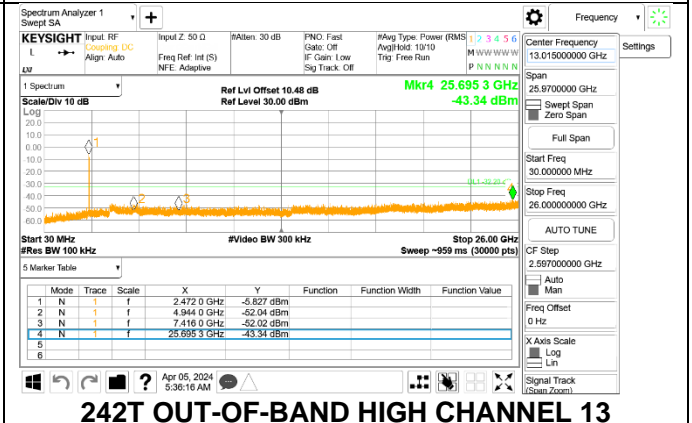
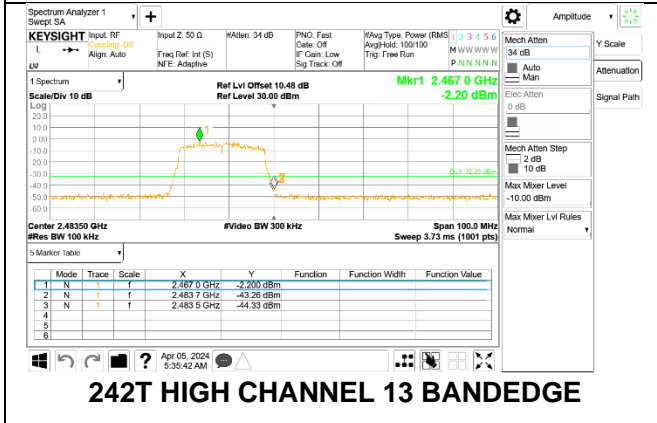
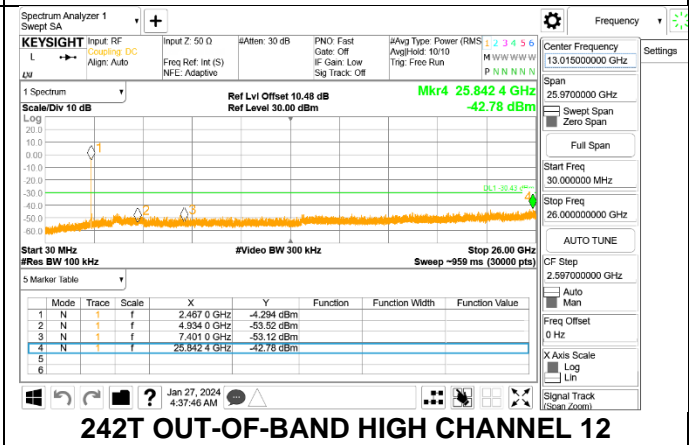
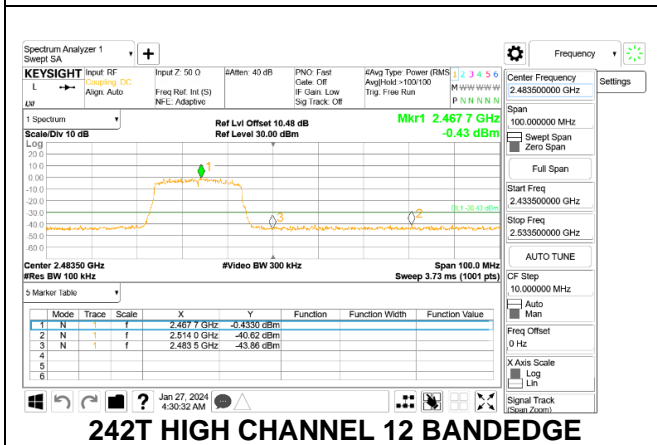
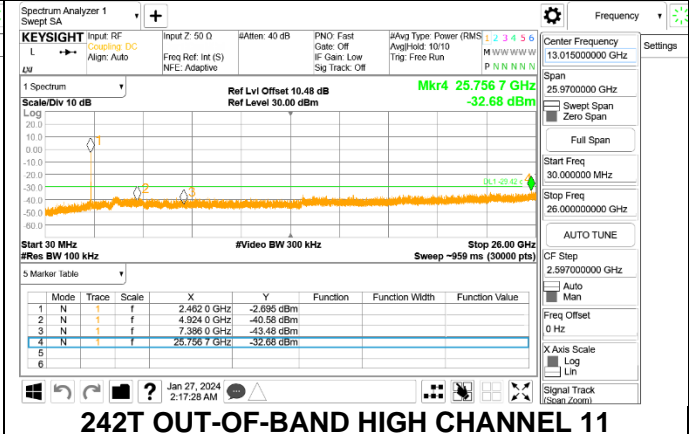
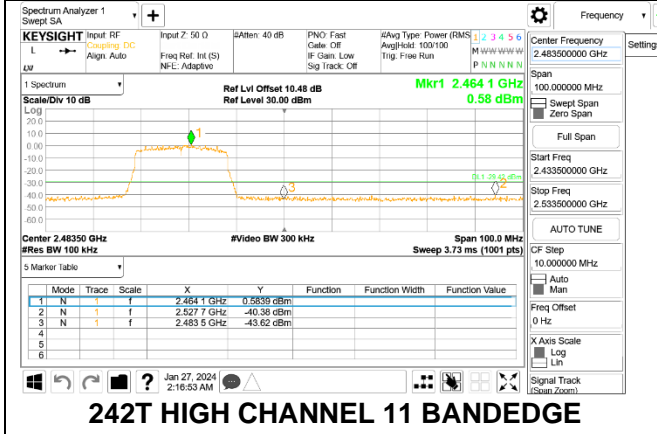
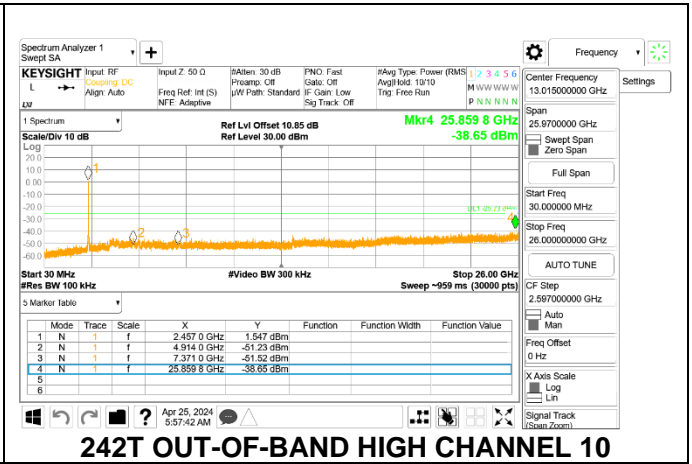
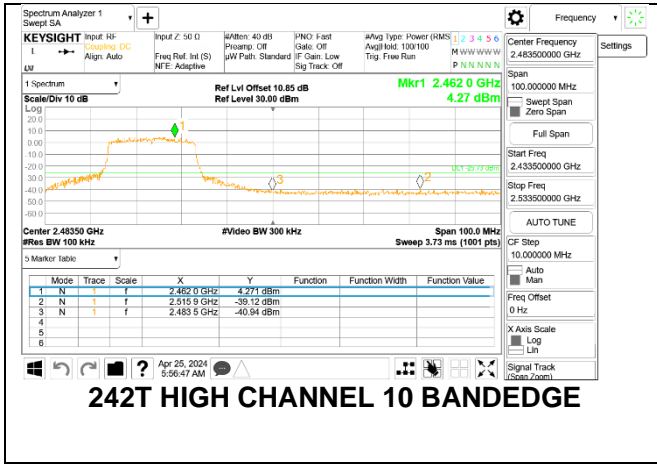
242T OUT-OF-BAND MID CHANNEL



242T HIGH CHANNEL 9 BANDEDGE



242T OUT-OF-BAND HIGH CHANNEL 9





## 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

### 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 30 KHz for peak measurements.

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

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

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

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

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.

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

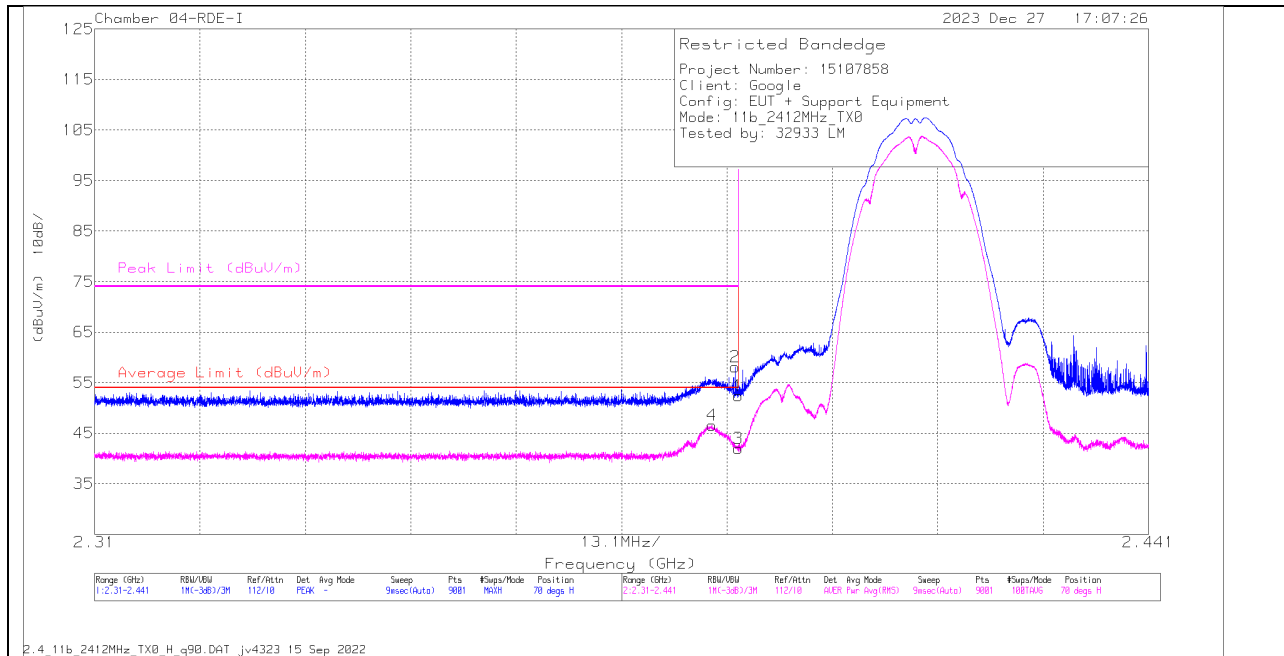
# 10.1. TRANSMITTER ABOVE 1 GHz

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

**Tx0**

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

### HORIZONTAL RESULT

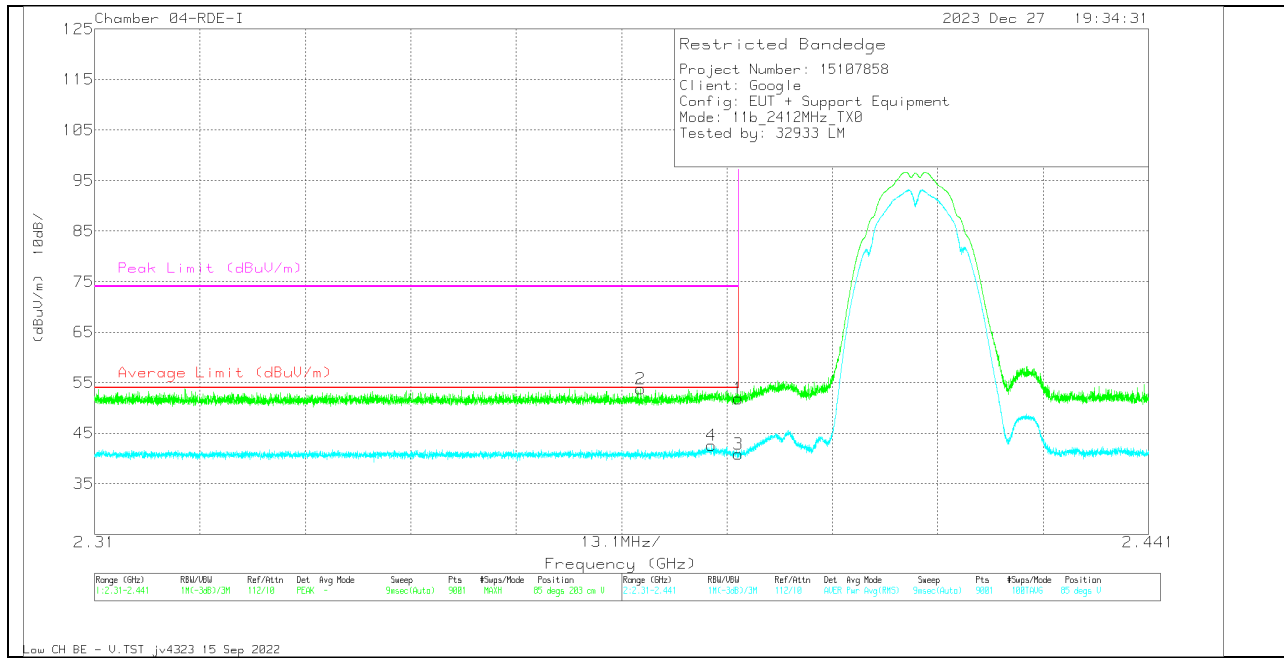


### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.39	40.42	Pk	31.7	-19.7	52.42	-	-	74	-21.58	70	136	H
2	*** 2.38965	46.14	Pk	31.7	-19.7	58.14	-	-	74	-15.86	70	136	H
3	*** 2.39	30.01	RMS	31.7	-19.7	42.01	54	-11.99	-	-	70	136	H
4	*** 2.386768	34.43	RMS	31.7	-19.6	46.53	54	-7.47	-	-	70	136	H

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

### VERTICAL RESULT



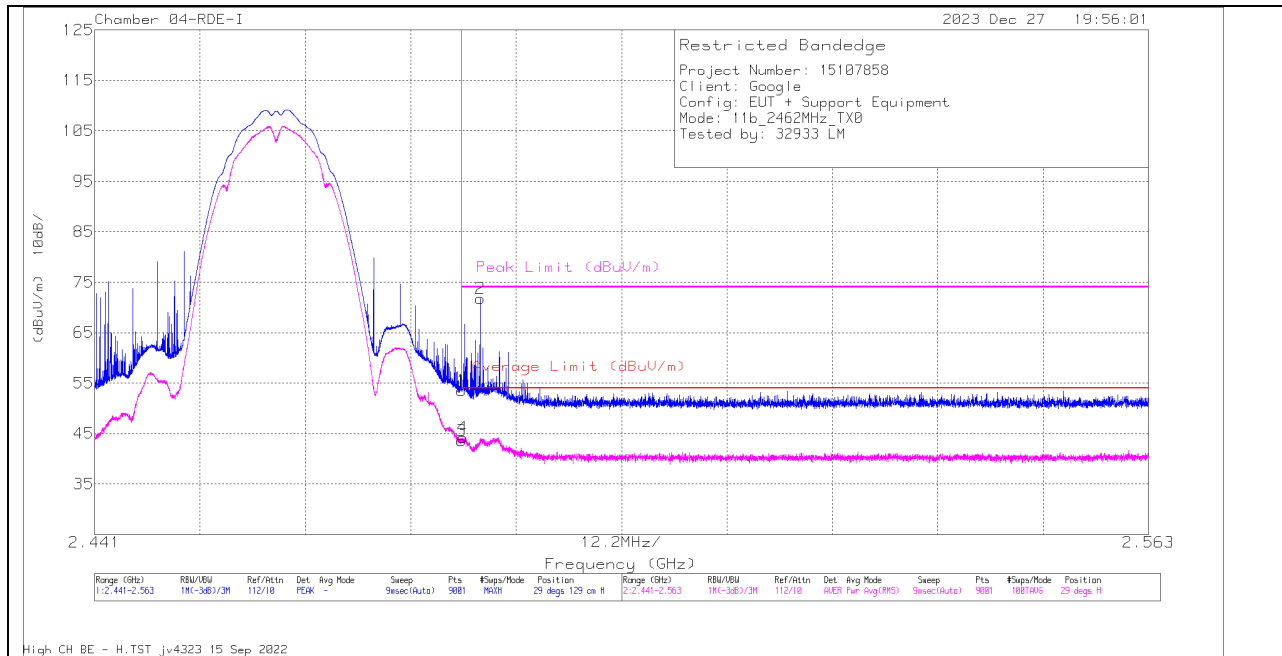
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.39	39.85	Pk	31.7	-19.7	51.85	-	-	74	-22.15	85	203	V
2	** 2.377904	41.8	Pk	31.7	-19.7	53.8	-	-	74	-20.2	85	203	V
3	** 2.39	28.87	RMS	31.7	-19.7	40.87	54	-13.13	-	-	85	203	V
4	** 2.386652	30.47	RMS	31.7	-19.6	42.57	54	-11.43	-	-	85	203	V

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

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

**HORIZONTAL RESULT**

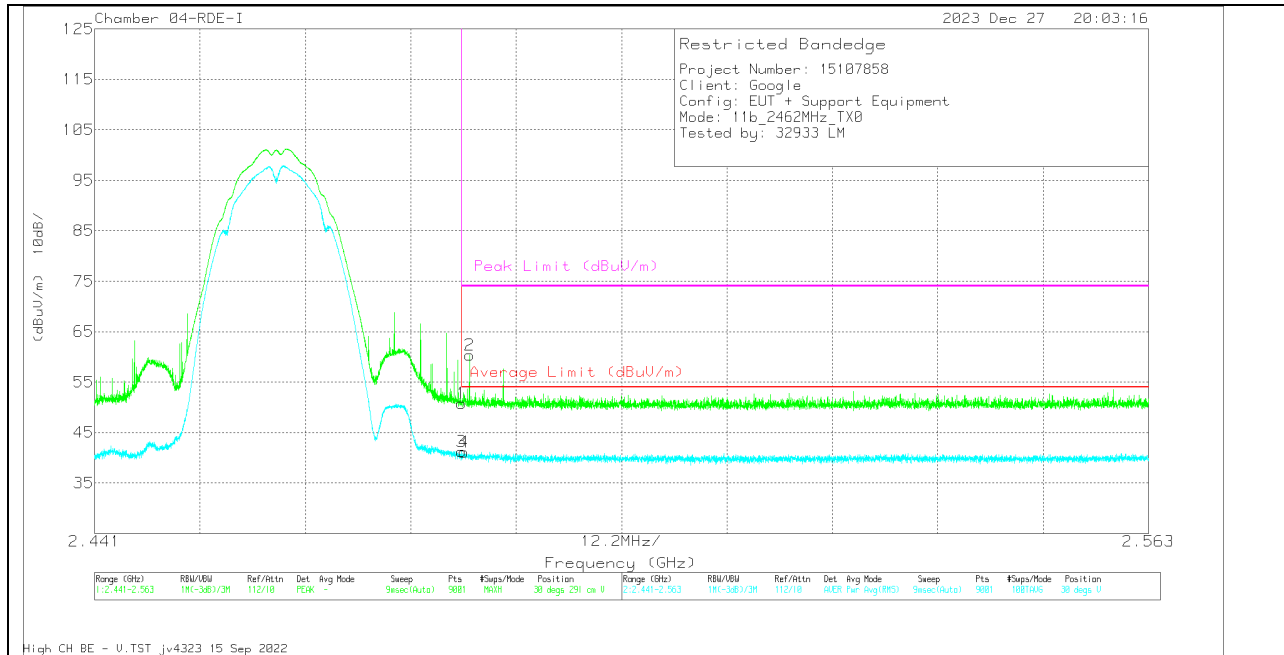


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	41.68	PK	32	-20.2	53.48	-	-	74	-20.52	29	129	H
2	*** 2.485613	59.95	PK	32	-20.2	71.75	-	-	74	-2.25	29	129	H
3	** 2.4835	31.8	RMS	32	-20.2	43.6	54	-10.4	-	-	29	129	H
4	*** 2.48362	32.33	RMS	32	-20.1	44.23	54	-9.77	-	-	29	129	H

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

### VERTICAL RESULT



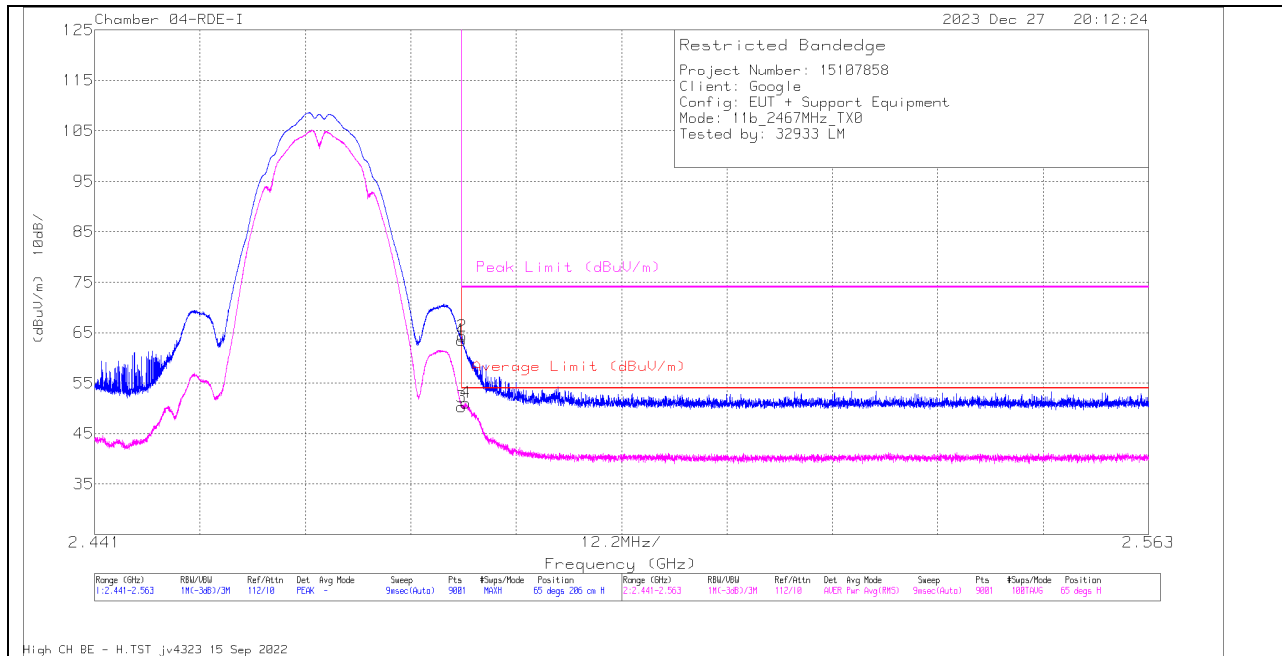
### Trace Markers

Marker	Frequency(GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	38.95	Pk	32	-20.2	50.75	-	-	74	-23.25	30	291	V
2	*** 2.484393	48.4	Pk	32	-20.1	60.3	-	-	74	-13.7	30	291	V
3	*** 2.4835	29.45	RMS	32	-20.2	41.25	54	-12.75	-	-	30	291	V
4	*** 2.483783	29.26	RMS	32	-20.1	41.16	54	-12.84	-	-	30	291	V

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

**BANDEDGE (HIGH CHANNEL, CH 12)**

**HORIZONTAL RESULT**

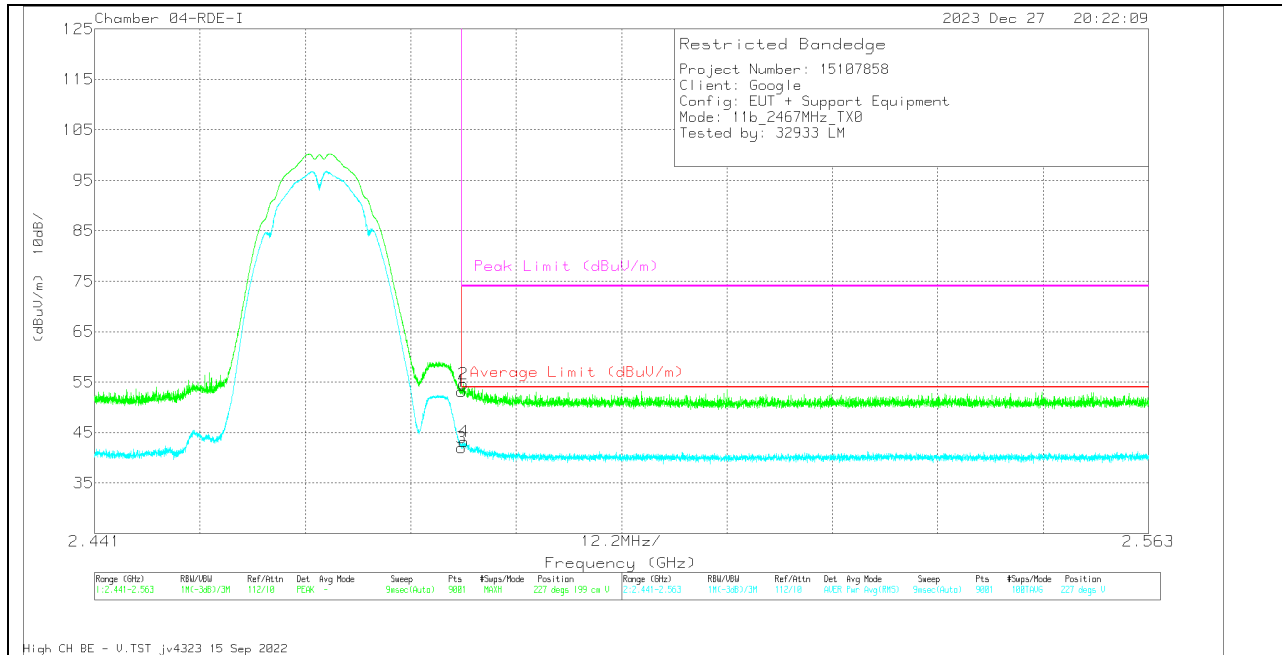


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	51.72	Pk	32	-20.2	63.52	-	-	74	-10.48	65	206	H
2	* ** 2.483512	52.37	Pk	32	-20.1	64.27	-	-	74	-9.73	65	206	H
3	* ** 2.4835	38.48	RMS	32	-20.2	50.28	54	-3.72	-	-	65	206	H
4	* ** 2.484	39.2	RMS	32	-20.1	51.1	54	-2.9	-	-	65	206	H

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

### VERTICAL RESULT



### Trace Markers

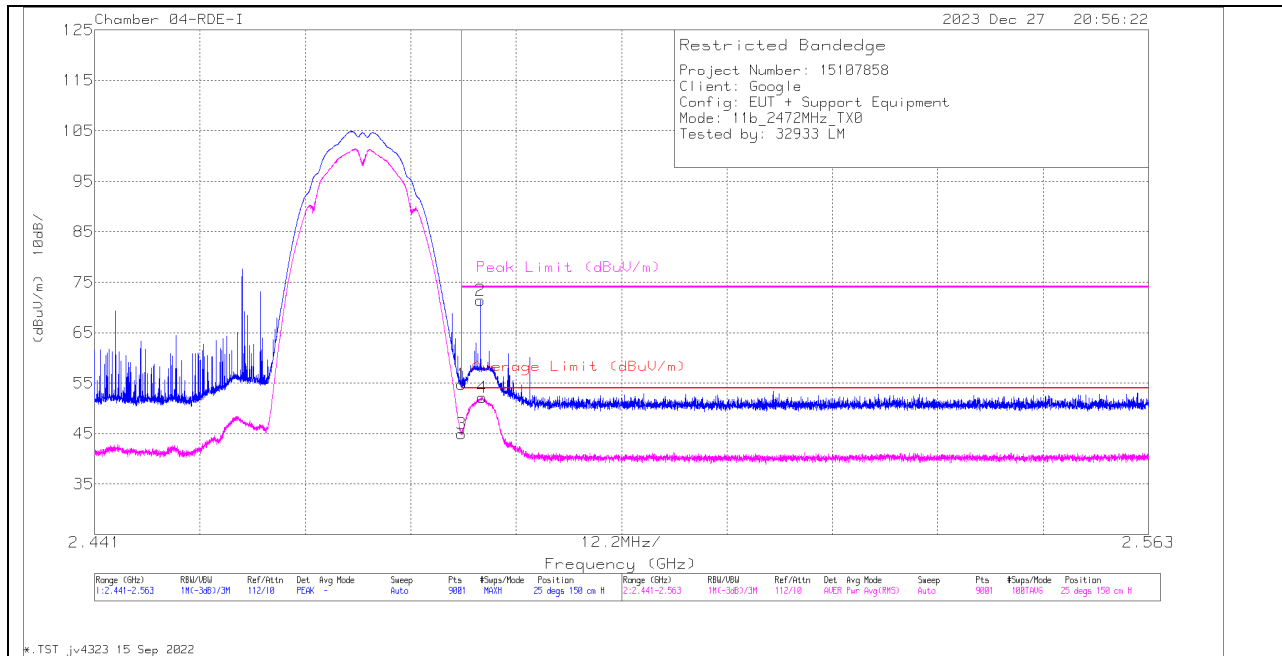
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	41.33	Pk	32	-20.2	53.13	-	-	74	-20.87	227	199	V
2	*** 2.483674	42.74	Pk	32	-20.1	54.64	-	-	74	-19.36	227	199	V
3	*** 2.4835	30.13	RMS	32	-20.2	41.93	54	-12.07	-	-	227	199	V
4	*** 2.483742	31.34	RMS	32	-20.1	43.24	54	-10.76	-	-	227	199	V

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



**BANDEDGE (HIGH CHANNEL, CH 13)**

**HORIZONTAL RESULT**

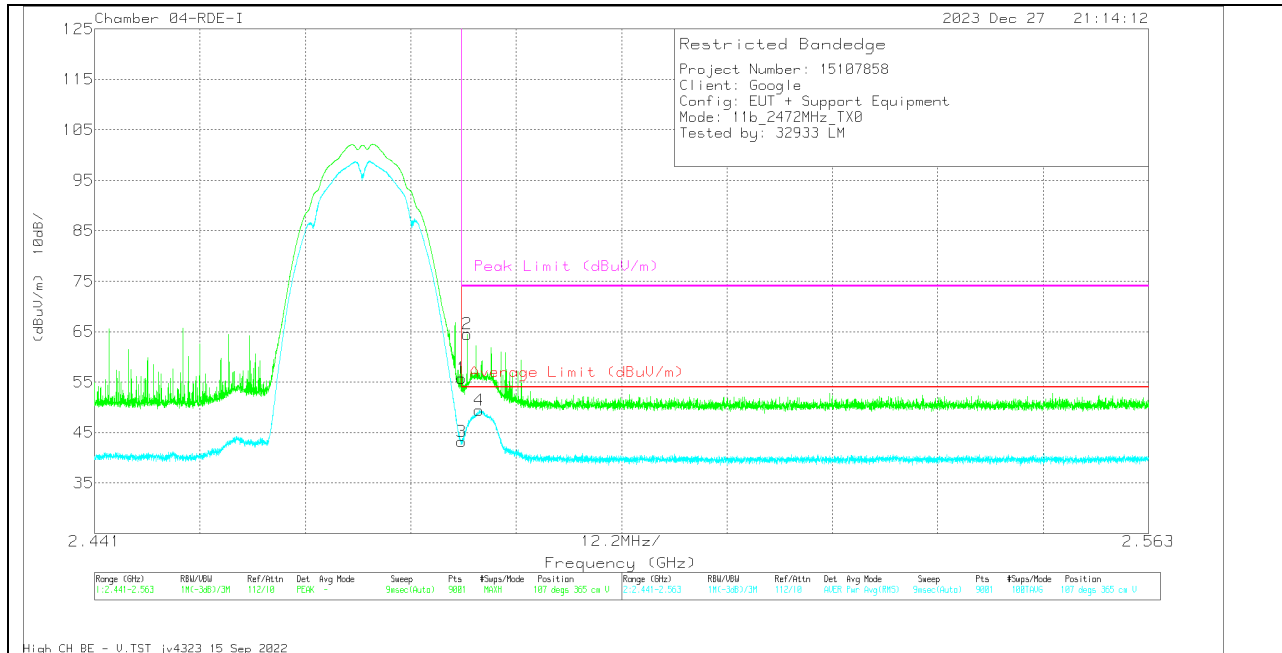


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	42.99	Pk	32	-20.2	54.79	-	-	74	-19.21	25	150	H
3	* 2.4835	33.14	RMS	32	-20.2	44.94	54	-9.06	-	-	25	150	H
2	* 2.48564	59.63	Pk	32	-20.2	71.43	-	-	74	-2.57	25	150	H
4	* 2.48587	40.41	RMS	32	-20.2	52.21	54	-1.79	-	-	25	150	H

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

### VERTICAL RESULT



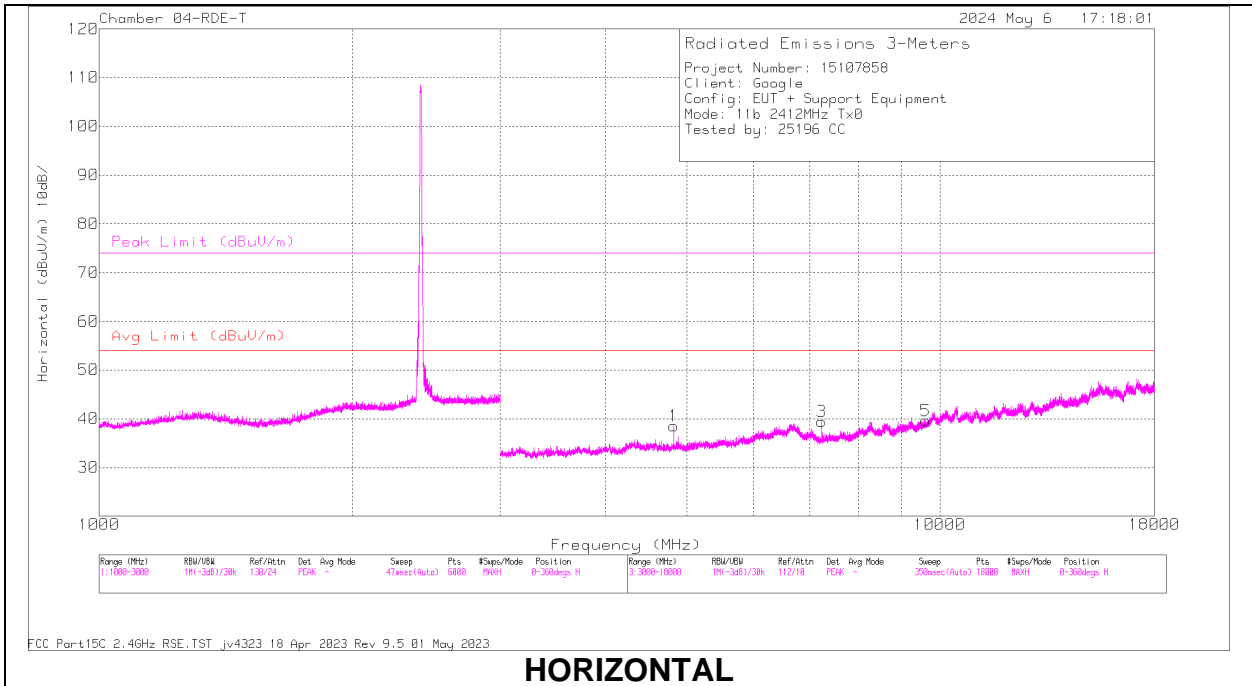
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	43.96	Pk	32	-20.2	55.76	-	-	74	-18.24	107	365	V
3	*** 2.4835	31.36	RMS	32	-20.2	43.16	54	-10.84	-	-	107	365	V
2	*** 2.484108	52.61	Pk	32	-20.1	64.51	-	-	74	-9.49	107	365	V
4	** 2.485518	37.57	RMS	32	-20.2	49.37	54	-4.63	-	-	107	365	V

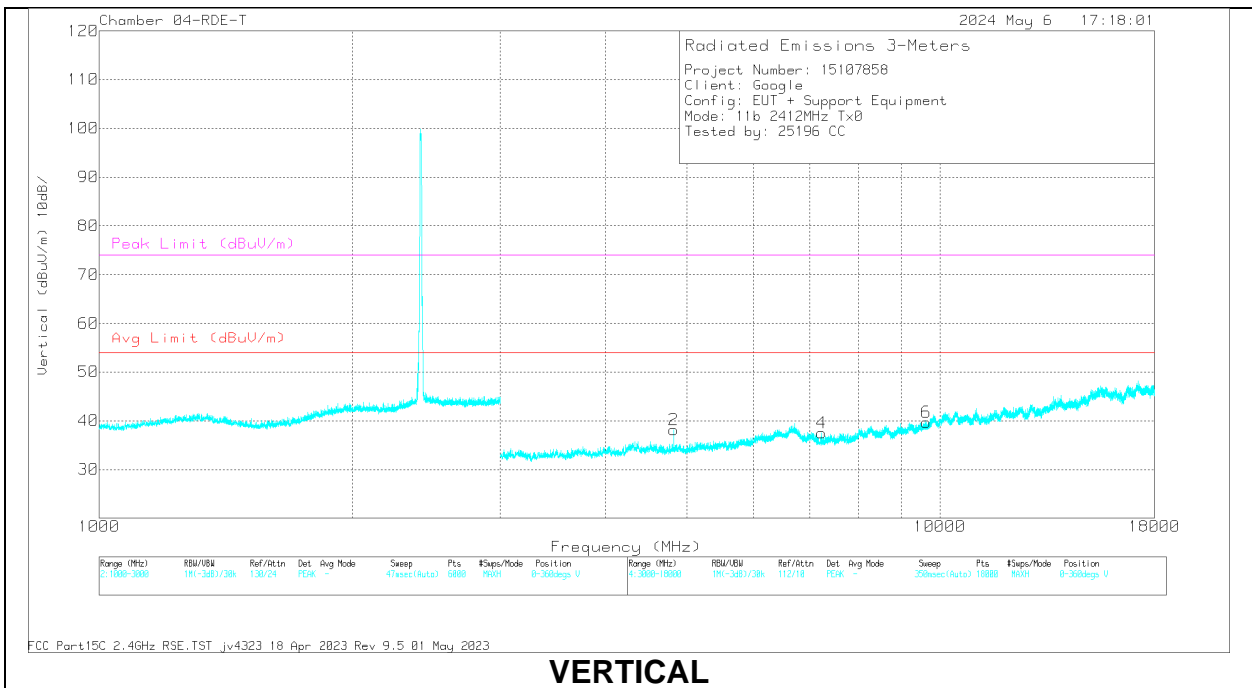
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL, CH 1 RESULTS



**HORIZONTAL**



**VERTICAL**

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 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	** 4826.202	57.32	PK2	34	-46.78	44.54	-	-	74	-29.46	147	351	H
	** 4822.739	45.93	MAv1	34	-46.79	33.14	54	-20.86	-	-	147	351	H
2	** 4824.218	57.25	PK2	34	-46.81	44.44	-	-	74	-29.56	358	208	V
	** 4822.397	45.74	MAv1	34	-46.83	32.91	54	-21.09	-	-	358	208	V
3	7238.953	69.16	PK2	35.4	-44.5	60.06	-	-	74	-13.94	154	381	H
4	7237.067	79.09	PK2	35.4	-44.48	70.01	-	-	74	-3.99	104	317	V
5	9624.602	54.44	PK2	36.7	-42.15	48.99	-	-	74	-25.01	316	136	H
6	9630.857	54.61	PK2	36.7	-42.25	49.06	-	-	74	-24.94	23	128	V

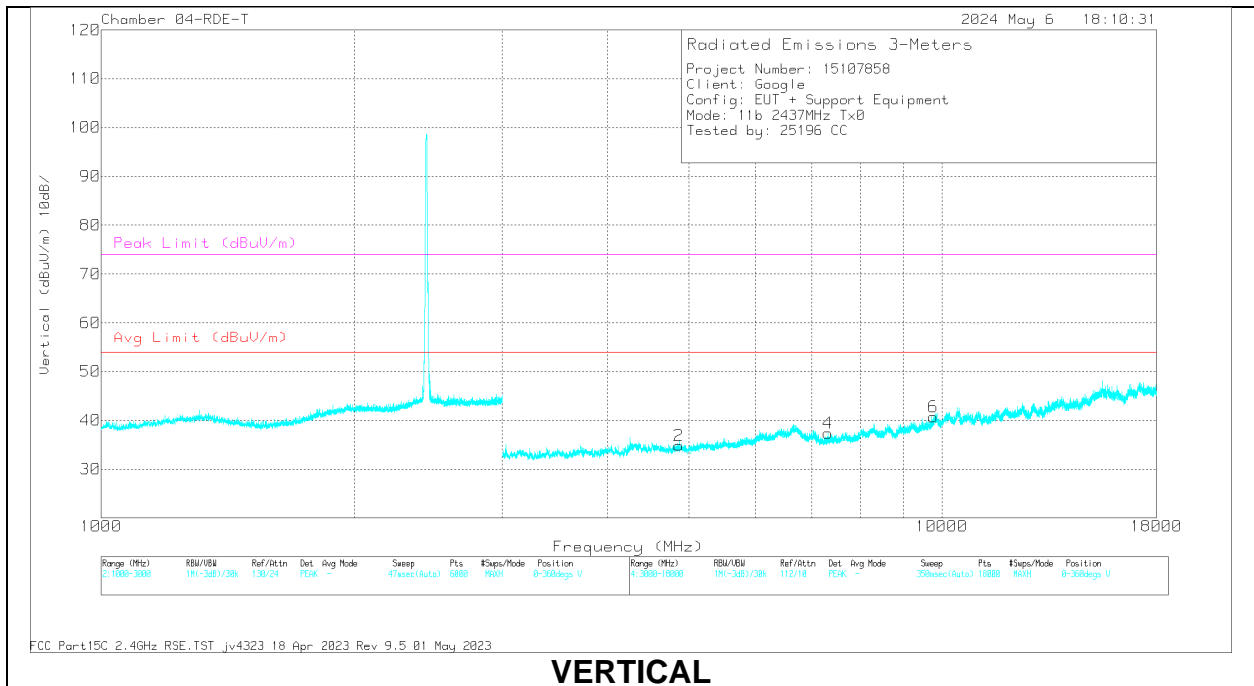
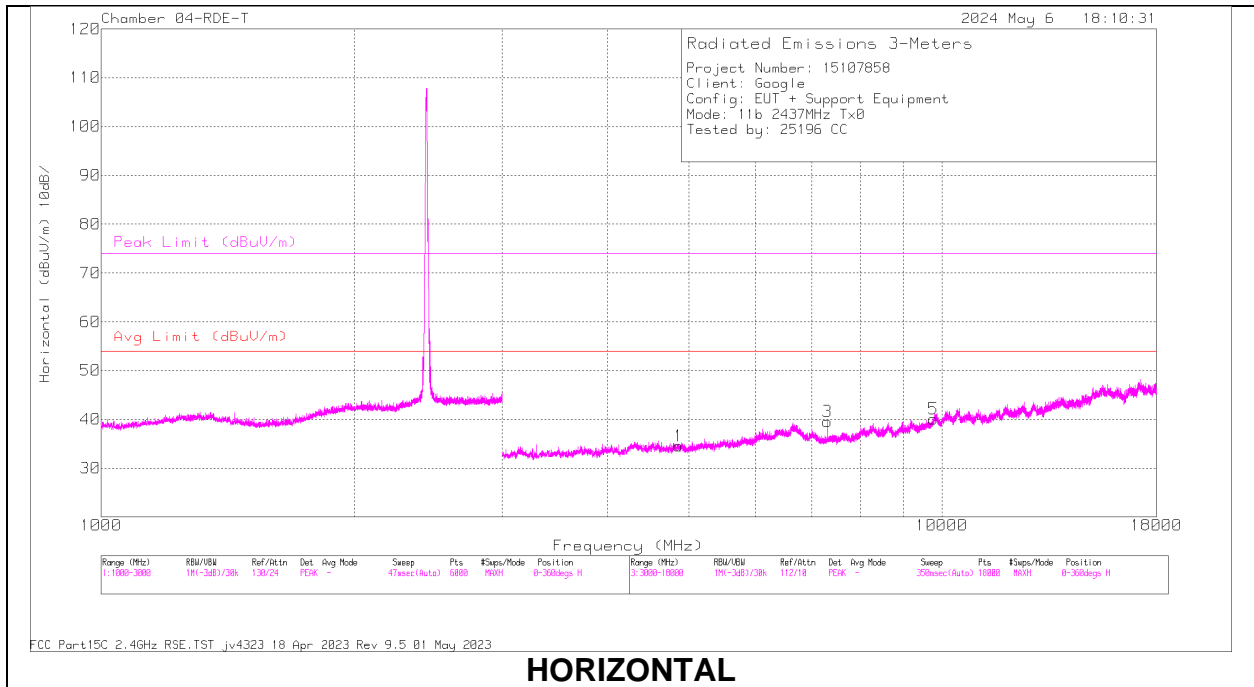
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL, CH 6 RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 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	*** 4864.483	58.51	PK2	34	-46.61	45.9	-	-	74	-28.1	73	333	H
	*** 4864.765	46.14	MAv1	34	-46.62	33.52	54	-20.48	-	-	73	333	H
3	*** 7309.343	67.54	PK2	35.4	-44.14	58.8	-	-	74	-15.2	89	298	H
	*** 7310.584	43.5	MAv1	35.4	-44.15	34.75	54	-19.25	-	-	89	298	H
2	*** 4864.953	57.68	PK2	34	-46.62	45.06	-	-	74	-28.94	150	212	V
	*** 4862.757	46	MAv1	34	-46.62	33.38	54	-20.62	-	-	150	212	V
4	*** 7315.74	61.64	PK2	35.4	-44.27	52.77	-	-	74	-21.23	301	198	V
	*** 7316.438	43.89	MAv1	35.4	-44.27	35.02	54	-18.98	-	-	301	198	V
5	9766.355	55.3	PK2	37.1	-42.56	49.84	-	-	74	-24.16	36	108	H
	9766.835	55.55	PK2	37.1	-42.58	50.07	-	-	74	-23.93	213	399	V

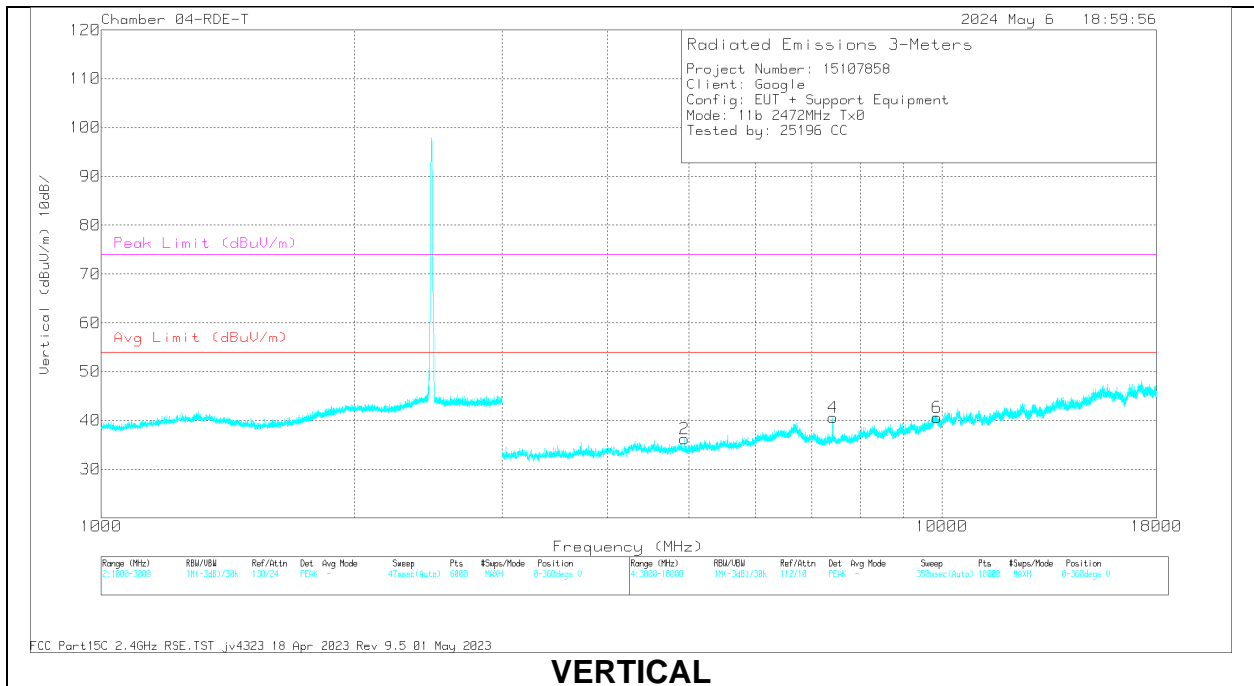
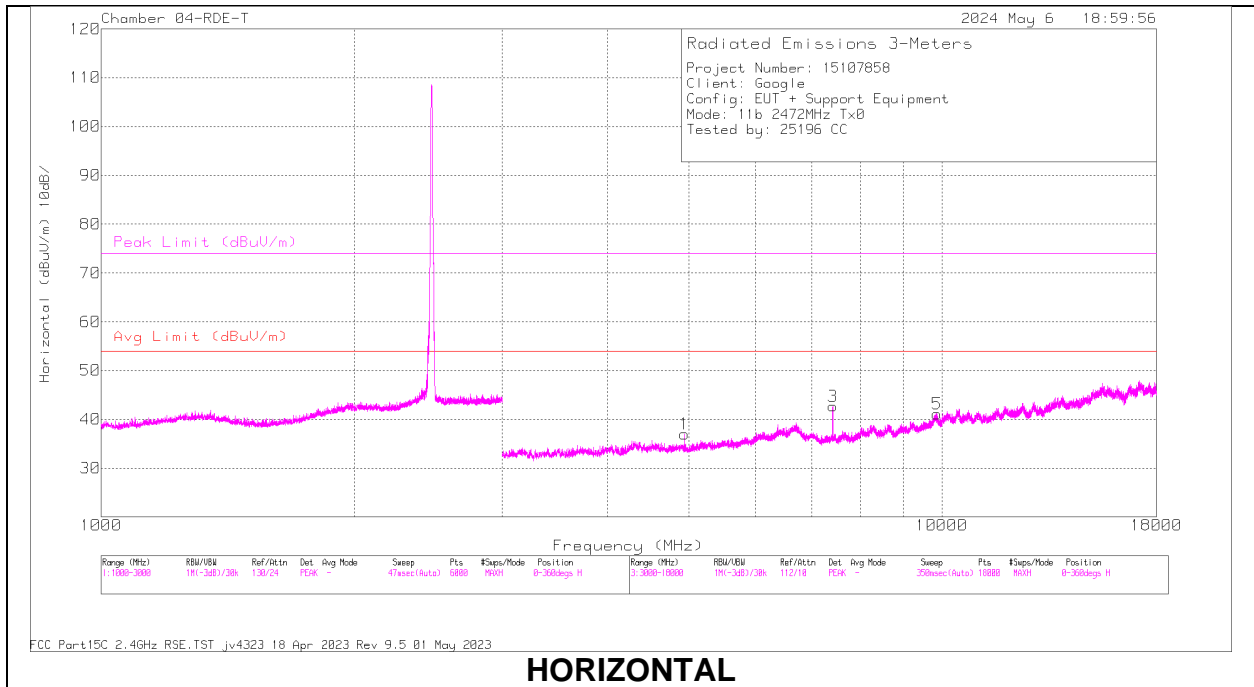
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### HIGH CHANNEL, CH 13 RESULTS



**RADIATED EMISSIONS**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 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	***4942.786	57.01	PK2	34.1	-46.57	44.54	-	-	74	-29.46	195	386	H
	***4941.521	45.57	MAv1	34.1	-46.58	33.09	54	-20.91	-	-	195	386	H
3	**7417.399	65.39	PK2	35.4	-44.41	56.38	-	-	74	-17.62	338	127	H
	**7418.8	43.55	MAv1	35.4	-44.35	34.6	54	-19.4	-	-	338	127	H
2	**4942.936	57.11	PK2	34.1	-46.58	44.63	-	-	74	-29.37	325	124	V
	***4943.581	45.42	MAv1	34.1	-46.6	32.92	54	-21.08	-	-	325	124	V
4	**7417.204	56.26	PK2	35.4	-44.42	47.24	-	-	74	-26.76	322	118	V
	**7416.862	45.16	MAv1	35.4	-44.42	36.14	54	-17.86	-	-	322	118	V
6	9869.895	55.16	PK2	37.4	-41.95	50.61	-	-	74	-23.39	93	343	V
5	9870.189	55.29	PK2	37.4	-41.96	50.73	-	-	74	-23.27	12	114	H

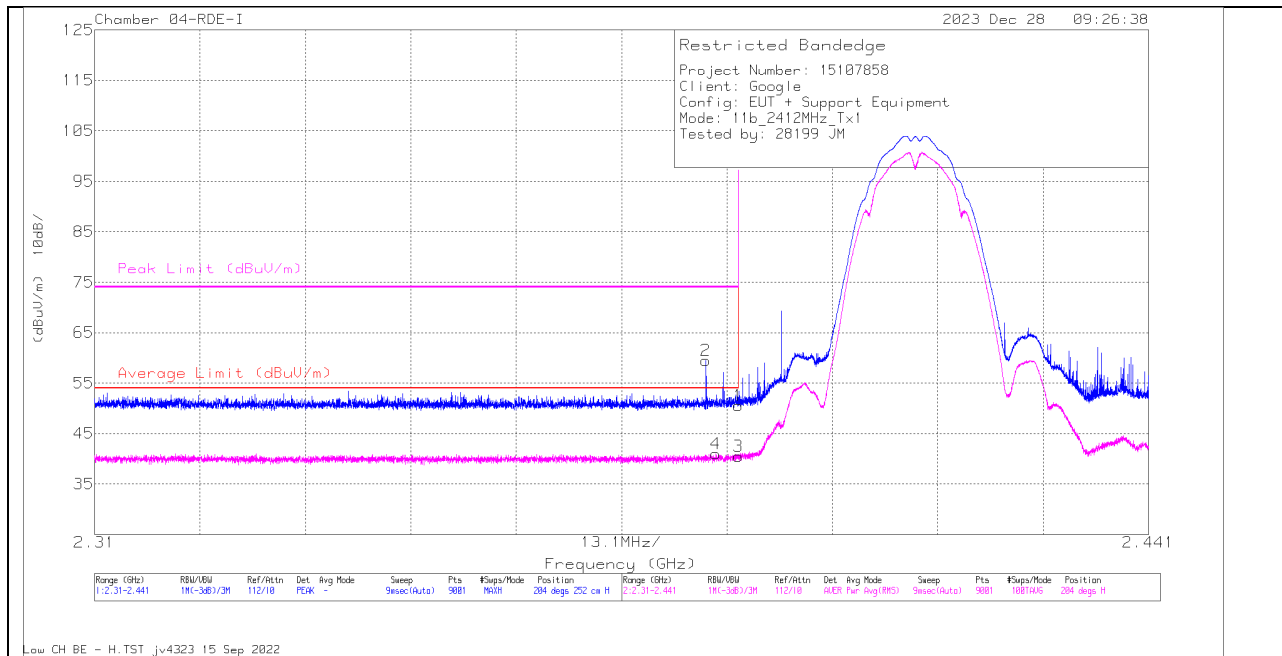
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average



**TX1**

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

**HORIZONTAL RESULT**



**Trace Markers**

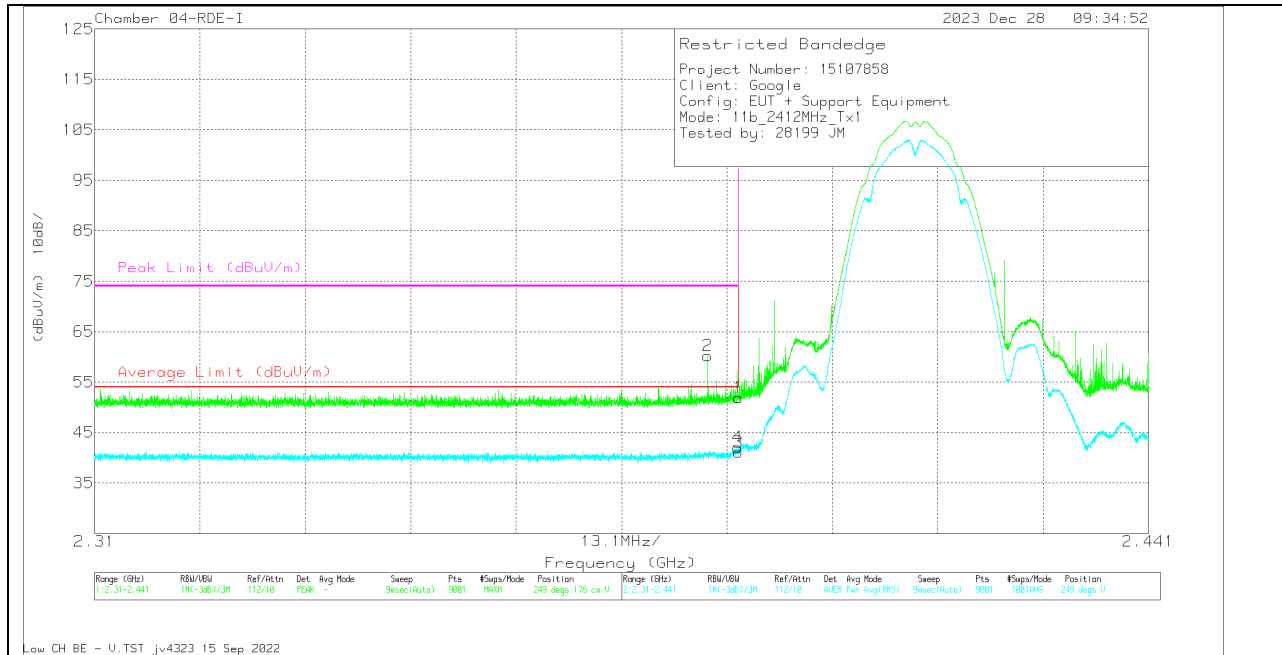
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	38.52	Pk	31.7	-19.7	50.52	-	-	74	-23.48	204	252	H
2	* ** 2.385997	47.45	Pk	31.7	-19.7	59.45	-	-	74	-14.55	204	252	H
3	* ** 2.39	28.51	RMS	31.7	-19.7	40.51	54	-13.49	-	-	204	252	H
4	* ** 2.387234	28.87	RMS	31.7	-19.6	40.97	54	-13.03	-	-	204	252	H

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

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

Pk - Peak detector  
RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

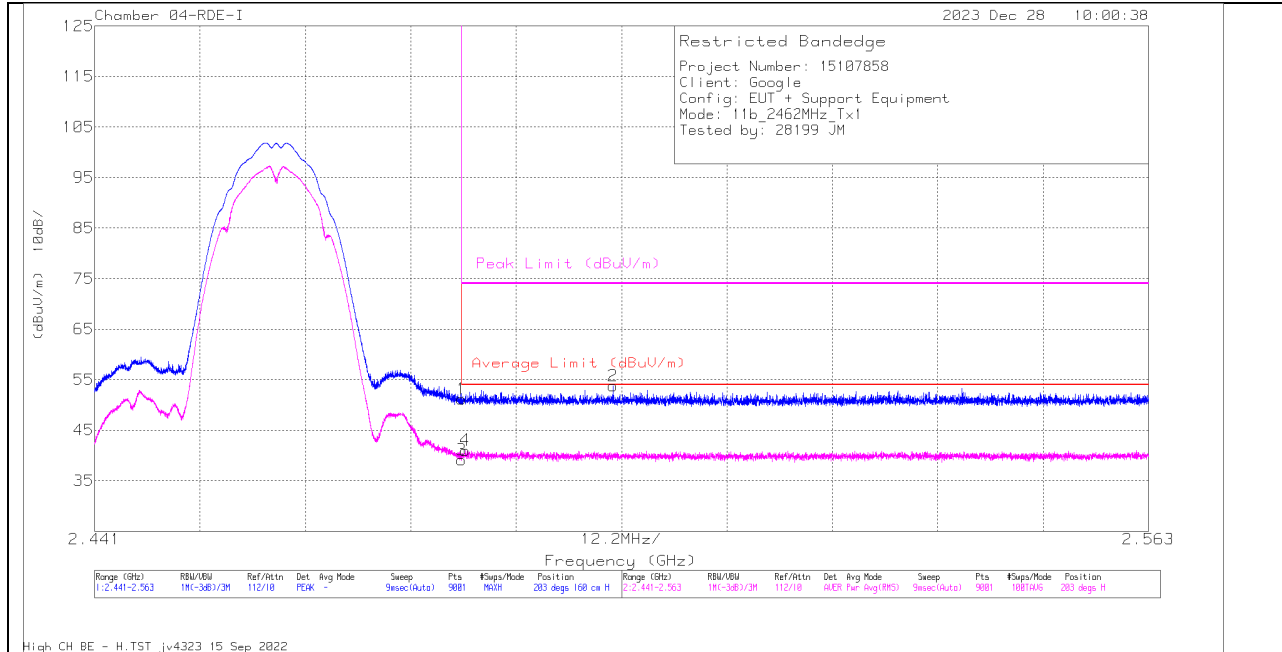
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	39.93	Pk	31.7	-19.7	51.93	-	-	74	-22.07	249	176	V
2	* ** 2.386215	48.28	Pk	31.7	-19.7	60.28	-	-	74	-13.72	249	176	V
3	* ** 2.39	29.16	RMS	31.7	-19.7	41.16	54	-12.84	-	-	249	176	V
4	* ** 2.389956	30.04	RMS	31.7	-19.7	42.04	54	-11.96	-	-	249	176	V

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

Pk - Peak detector  
RMS - RMS detection

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

**HORIZONTAL RESULT**



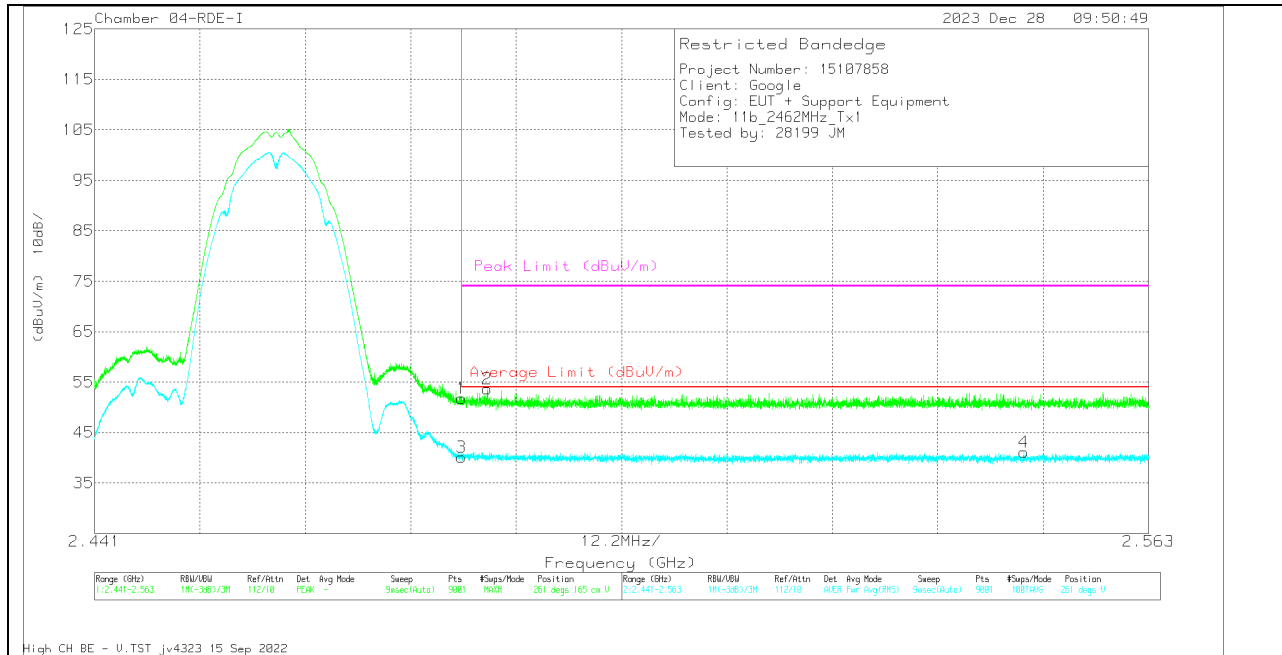
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	39.38	Pk	32	-20.2	51.18	-	-	74	-22.82	203	160	H
3	* ** 2.4835	27.32	RMS	32	-20.2	39.12	54	-14.88	-	-	203	160	H
4	* ** 2.483918	29.14	RMS	32	-20.1	41.04	54	-12.96	-	-	203	160	H
2	2.500985	41.87	Pk	32.1	-20.2	53.77	-	-	74	-20.23	203	160	H

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

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

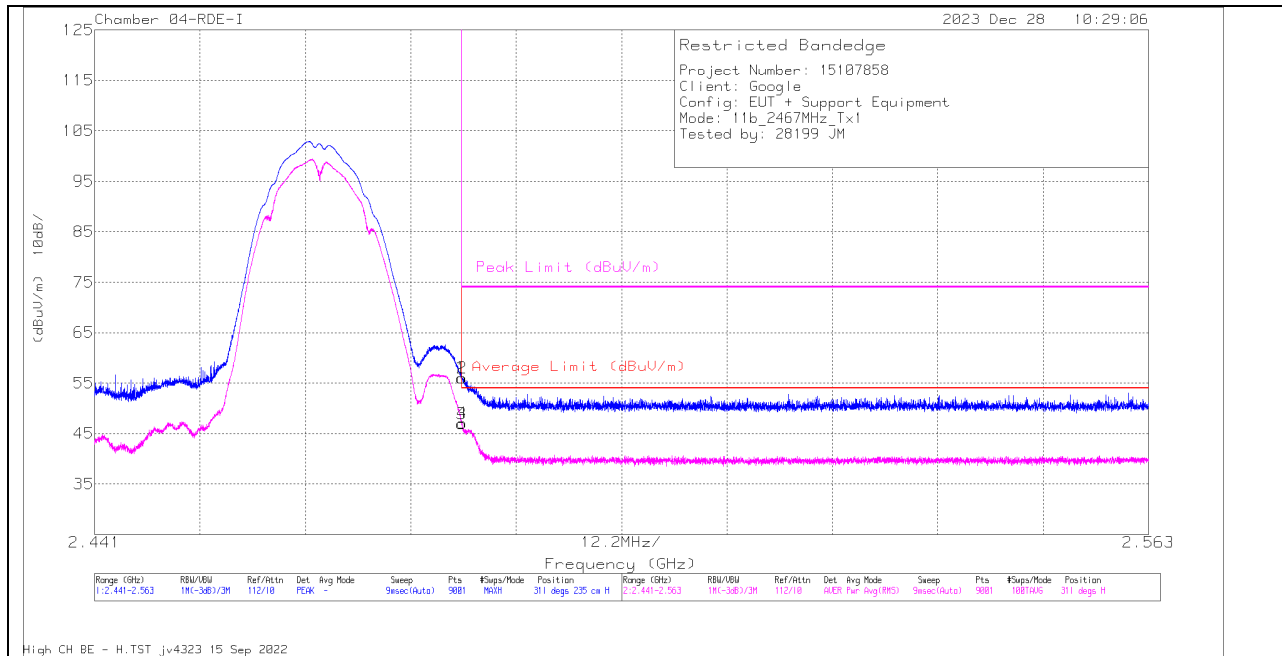
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	40.02	Pk	32	-20.2	51.82	-	-	74	-22.18	261	165	V
2	*** 2.486467	41.87	Pk	32	-20.2	53.67	-	-	74	-20.33	261	165	V
3	*** 2.4835	28.29	RMS	32	-20.2	40.09	54	-13.91	-	-	261	165	V
4	2.548594	29.35	RMS	32.2	-20.4	41.15	54	-12.85	-	-	261	165	V

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

Pk - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL, CH 12)**

**HORIZONTAL RESULT**



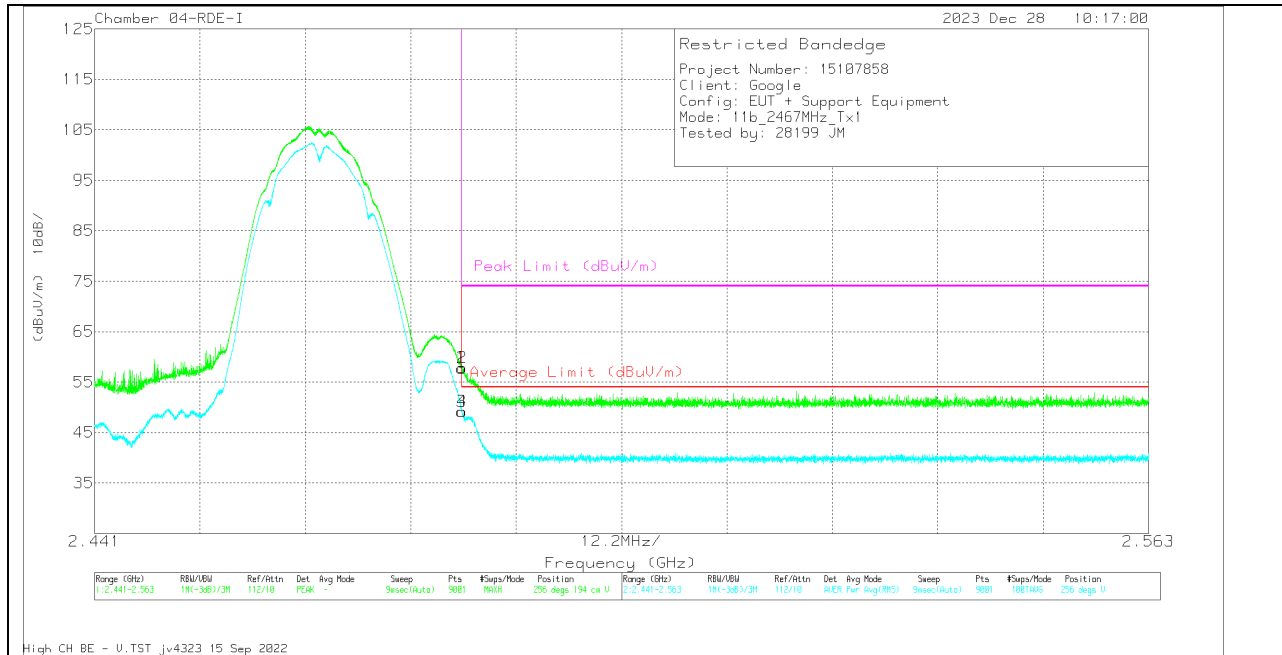
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	44.26	Pk	32	-20.2	56.06	-	-	74	-17.94	311	235	H
2	*** 2.48352	44.09	Pk	32	-20.1	55.99	-	-	74	-18.01	311	235	H
3	*** 2.4835	35.1	RMS	32	-20.2	46.9	54	-7.1	-	-	311	235	H
4	*** 2.483525	35.12	RMS	32	-20.1	47.02	54	-6.98	-	-	311	235	H

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

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



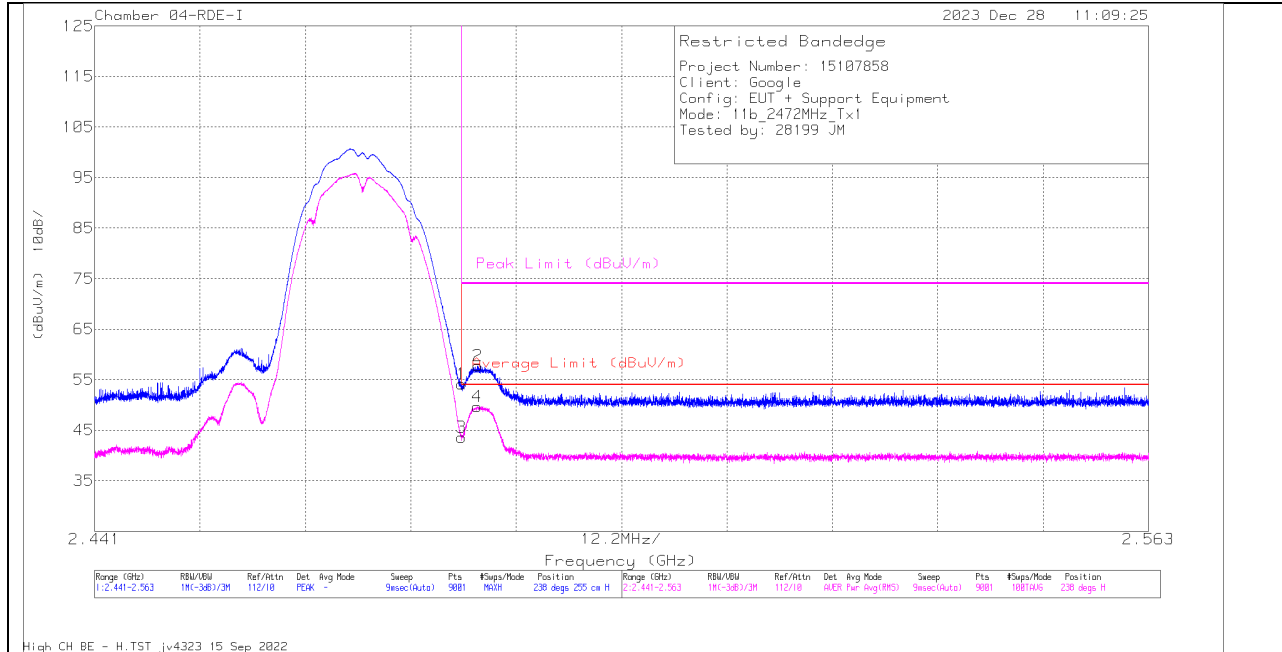
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	46	Pk	32	-20.2	57.8	-	-	74	-16.2	256	194	V
2	* ** 2.483512	45.91	Pk	32	-20.1	57.81	-	-	74	-16.19	256	194	V
3	* ** 2.4835	37.39	RMS	32	-20.2	49.19	54	-4.81	-	-	256	194	V
4	* ** 2.483552	37.23	RMS	32	-20.1	49.13	54	-4.87	-	-	256	194	V

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

**BANDEDGE (HIGH CHANNEL, CH 13)**

**HORIZONTAL RESULT**

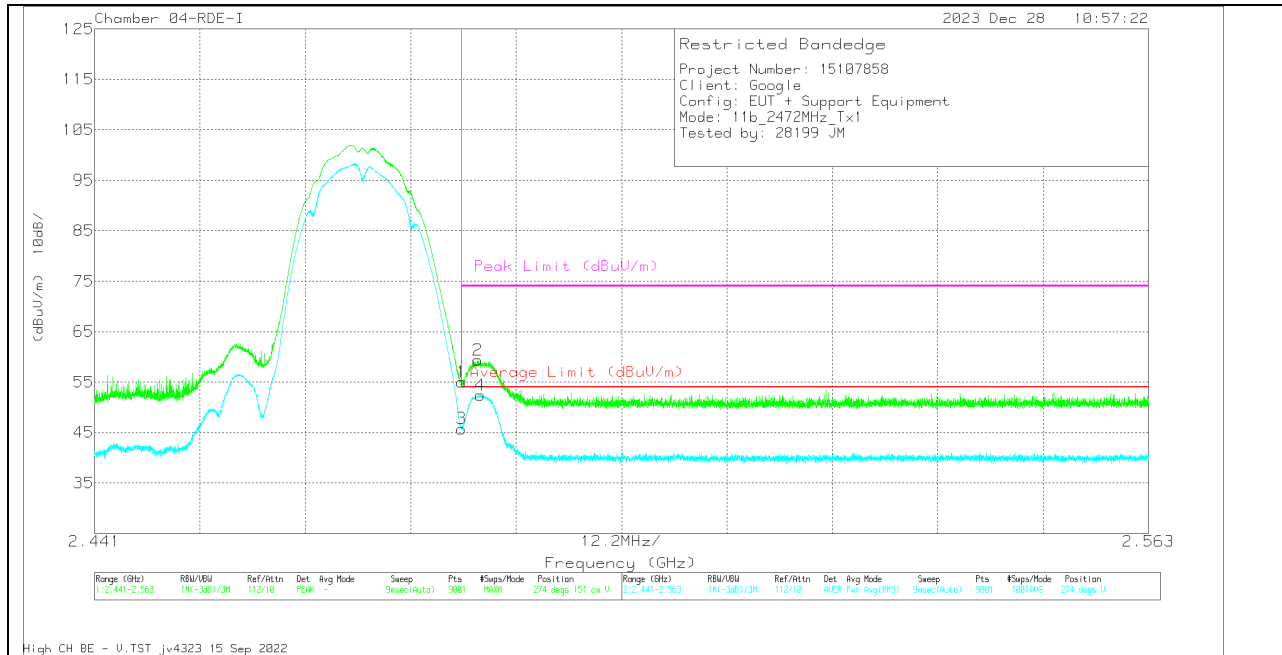


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	42.33	Pk	32	-20.2	54.13	-	-	74	-19.87	238	255	H
2	* ** 2.485382	45.8	Pk	32	-20.1	57.7	-	-	74	-16.3	238	255	H
3	* ** 2.4835	31.76	RMS	32	-20.2	43.56	54	-10.44	-	-	238	255	H
4	* ** 2.48526	37.81	RMS	32	-20.1	49.71	54	-4.29	-	-	238	255	H

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

### VERTICAL RESULT



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.4835	43.17	Pk	32	-20.2	54.97	-	-	74	-19.03	274	151	V
2	* ** 2.485382	47.49	Pk	32	-20.1	59.39	-	-	74	-14.61	274	151	V
3	* ** 2.4835	33.96	RMS	32	-20.2	45.76	54	-8.24	-	-	274	151	V
4	* ** 2.48564	40.61	RMS	32	-20.2	52.41	54	-1.59	-	-	274	151	V

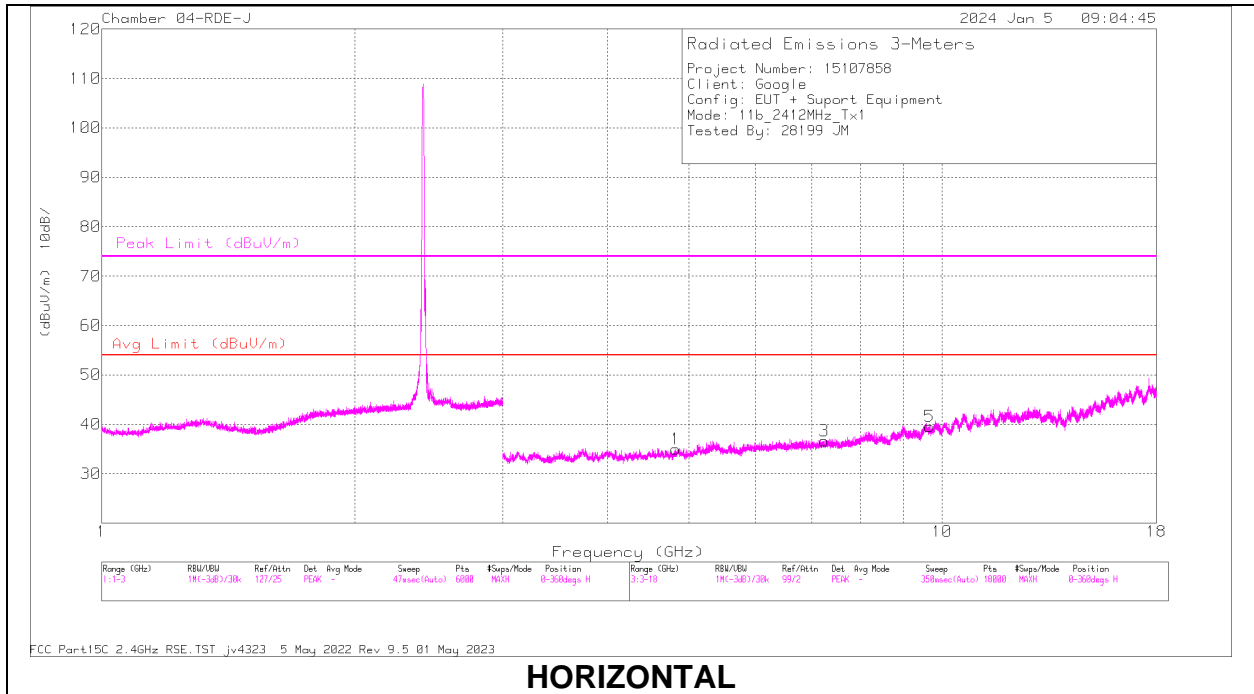
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector  
 RMS - RMS detection

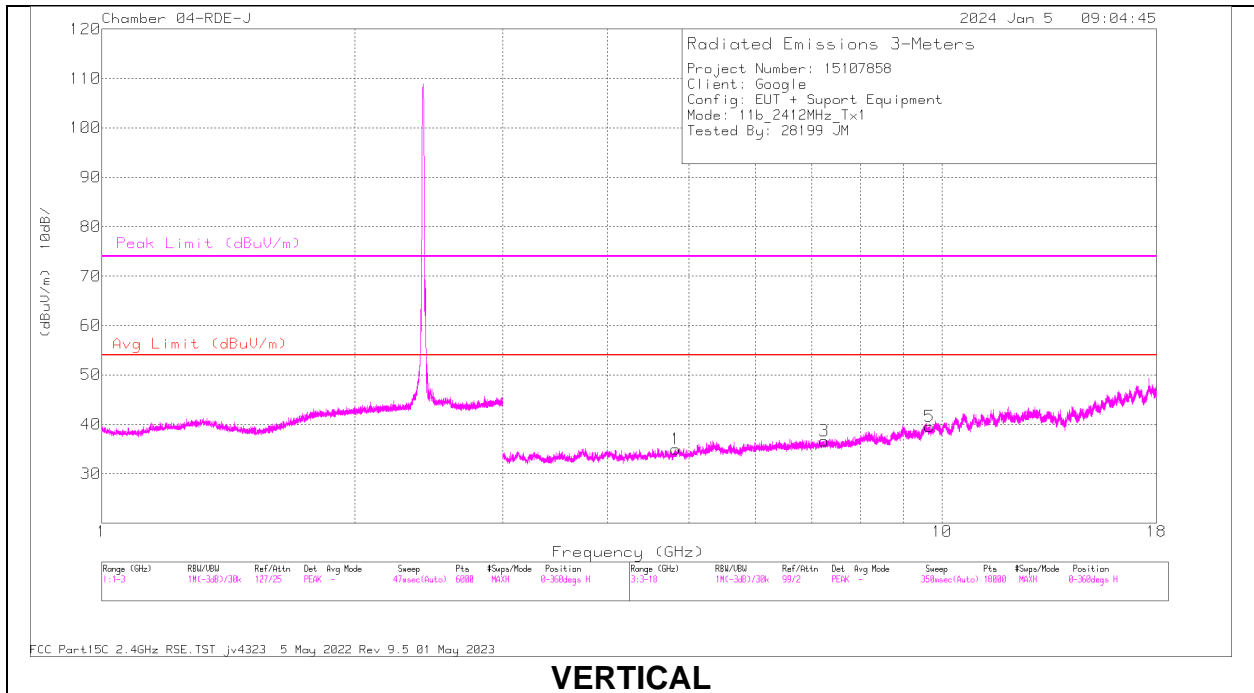


**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL, CH 1 RESULTS**



**HORIZONTAL**



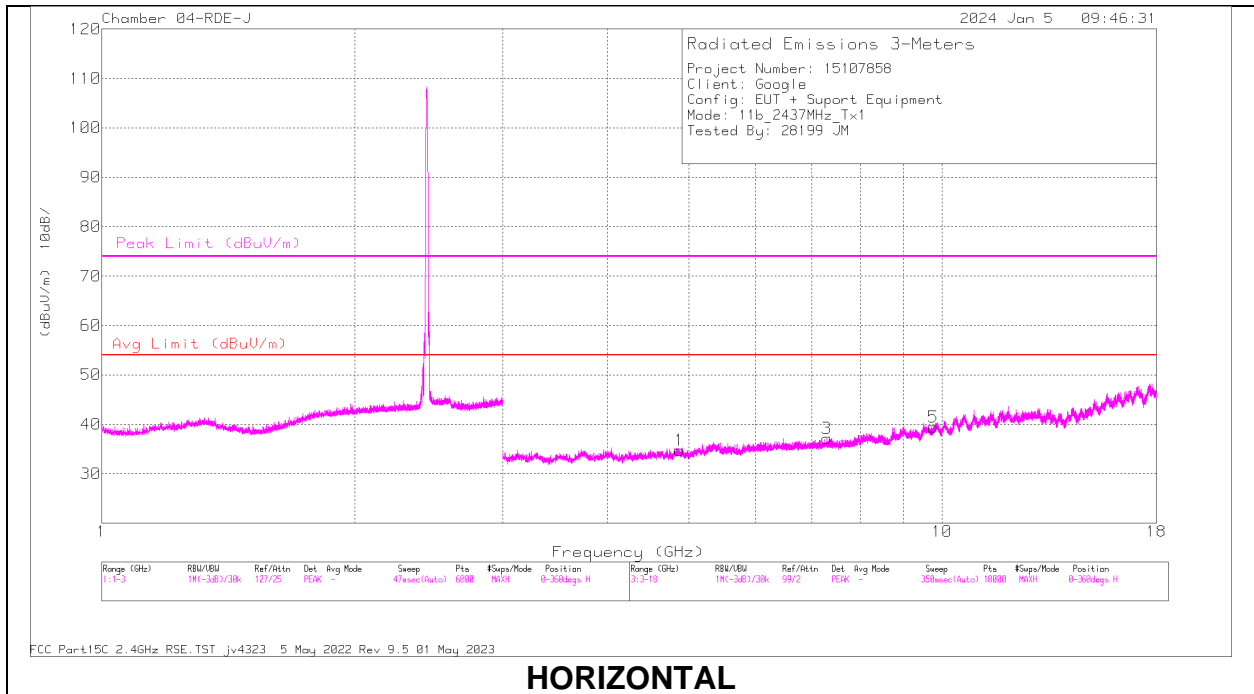
**VERTICAL**

**RADIATED EMISSIONS**

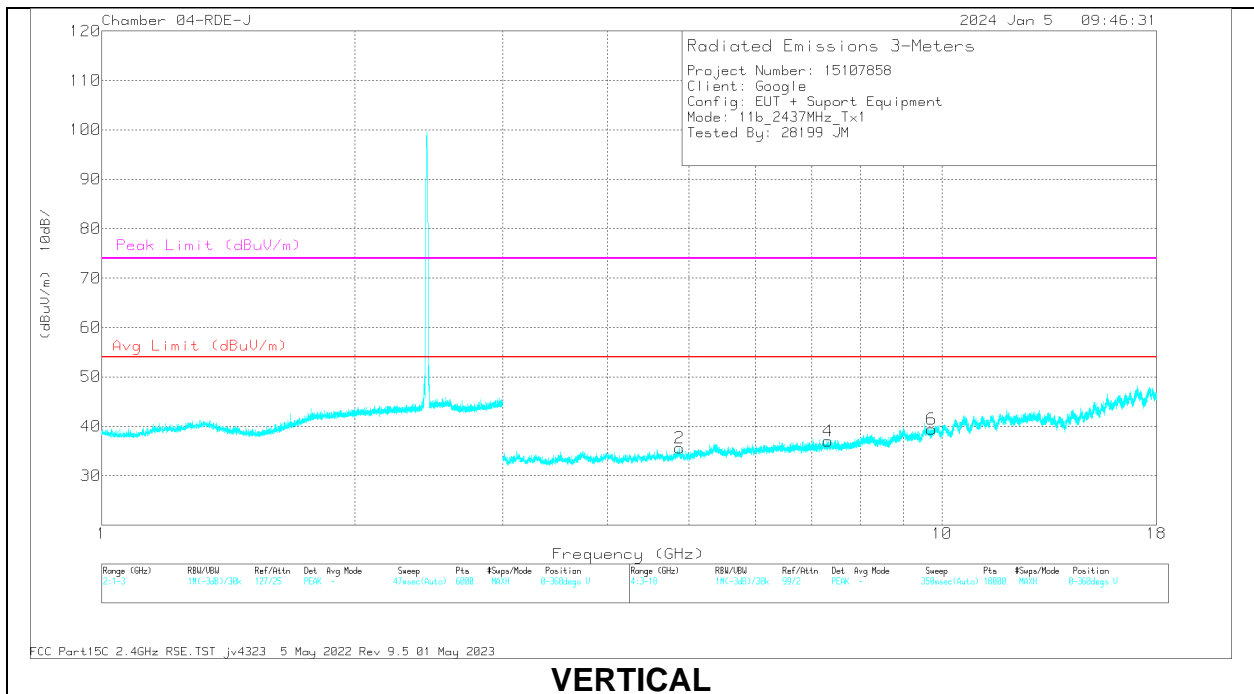
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.820466	55.8	PK2	34	-44.9	44.9	-	-	74	-29.1	314	278	H
	*** 4.819416	44.1	MAv1	34	-45	33.1	54	-20.9	-	-	314	278	H
2	*** 4.836771	55.86	PK2	34	-44.7	45.16	-	-	74	-28.84	20	398	V
	*** 4.836678	43.98	MAv1	34	-44.7	33.28	54	-20.72	-	-	20	398	V
3	7.248479	53.55	PK2	35.8	-42.5	46.85	-	-	74	-27.15	20	252	H
4	7.242681	53.22	PK2	35.8	-42.5	46.52	-	-	74	-27.48	0	176	V
5	9.670991	53.86	PK2	36.7	-40.8	49.76	-	-	74	-24.24	339	231	H
6	9.66714	53.66	PK2	36.7	-40.8	49.56	-	-	74	-24.44	144	329	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 4.873891	55.75	PK2	34	-44.6	45.15	-	-	74	-28.85	287	231	H
	*** 4.873392	43.89	MAv1	34	-44.7	33.19	54	-20.81	-	-	287	231	H
2	*** 4.868921	55.6	PK2	34	-44.6	45	-	-	74	-29	116	358	V
	*** 4.870297	43.88	MAv1	34	-44.4	33.48	54	-20.52	-	-	116	358	V
3	*** 7.29479	53.84	PK2	35.8	-42.6	47.04	-	-	74	-26.96	355	320	H
	*** 7.293674	41.7	MAv1	35.8	-42.5	35	54	-19	-	-	355	320	H
4	*** 7.318065	53.47	PK2	35.8	-42.3	46.97	-	-	74	-27.03	119	313	V
	*** 7.320946	41.55	MAv1	35.8	-42.4	34.95	54	-19.05	-	-	119	313	V
5	9.764323	54.49	PK2	36.8	-40.9	50.39	-	-	74	-23.61	280	324	H
6	9.725246	53.92	PK2	36.8	-41.1	49.62	-	-	74	-24.38	253	345	V

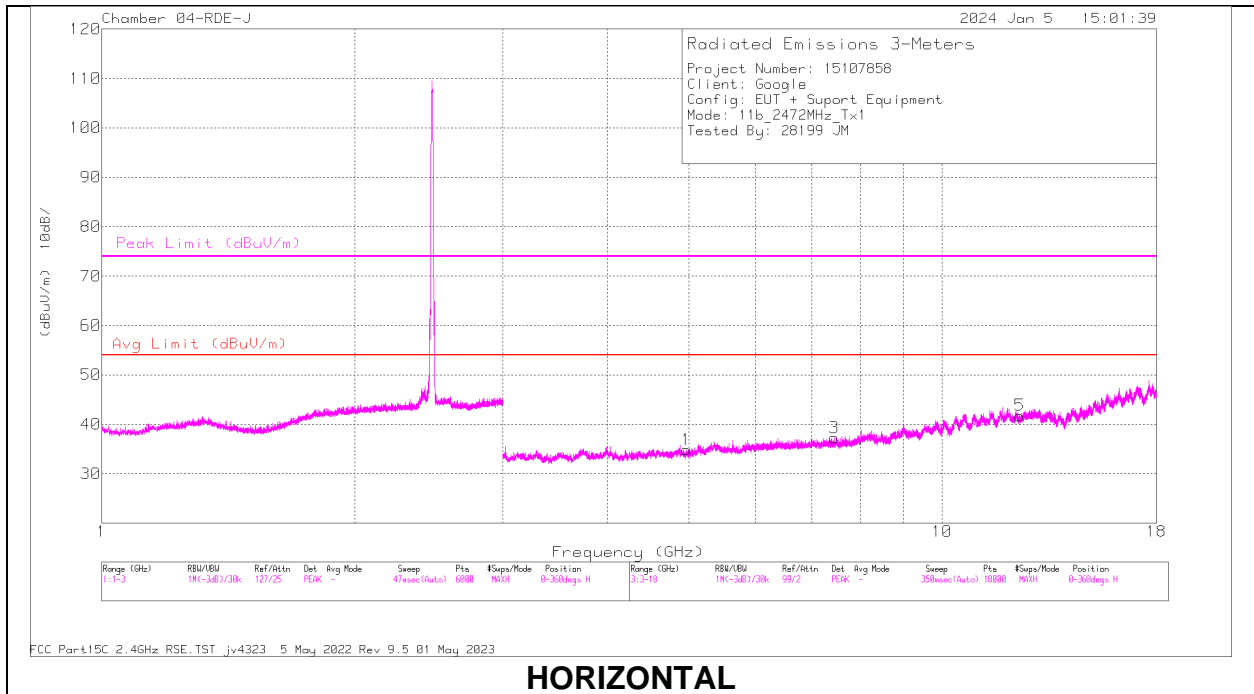
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

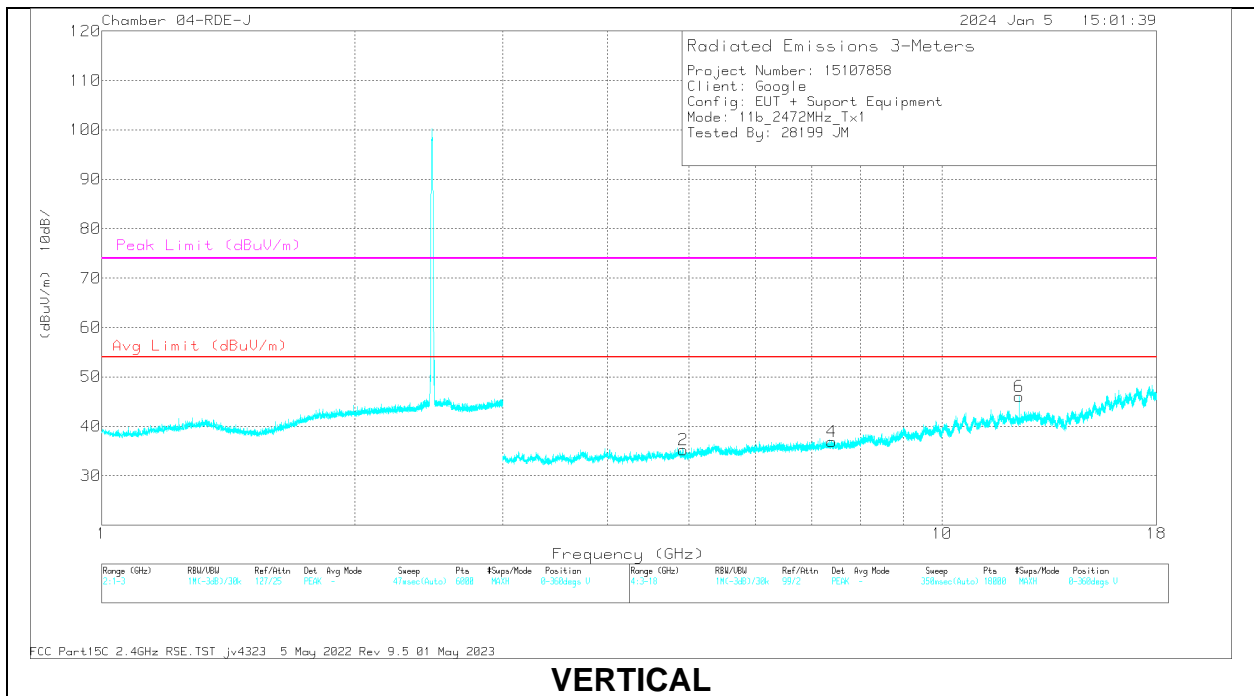
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### HIGH CHANNEL, CH 13 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.966803	55.47	PK2	34.1	-44.6	-44.97	-	-	74	-29.03	234	202	H
	* ** 4.967125	43.63	MAv1	34.1	-44.6	33.13	54	-20.87	-	-	234	202	H
	* ** 4.92195	55.02	PK2	34.1	-44.4	44.72	-	-	74	-29.28	20	275	V
2	* ** 4.919138	43.69	MAv1	34.1	-44.4	33.39	54	-20.61	-	-	20	275	V
	* ** 7.435069	53.37	PK2	35.8	-42.2	46.97	-	-	74	-27.03	78	133	H
3	* ** 7.435533	41.48	MAv1	35.8	-42.1	35.18	54	-18.82	-	-	78	133	H
	* ** 7.395853	53.4	PK2	35.8	-42.4	46.8	-	-	74	-27.2	357	231	V
4	* ** 7.398504	41.74	MAv1	35.8	-42.3	35.24	54	-18.76	-	-	357	231	V
	* ** 12.367357	52.73	PK2	38.9	-39.3	52.33	-	-	74	-21.67	243	190	H
5	* ** 12.366115	40.25	MAv1	38.9	-39.2	39.95	54	-14.05	-	-	243	190	H
	* ** 12.361797	51.47	PK2	38.9	-39.2	51.17	-	-	74	-22.83	352	237	V
6	* ** 12.360885	40.14	MAv1	38.9	-39.3	39.74	54	-14.26	-	-	352	237	V

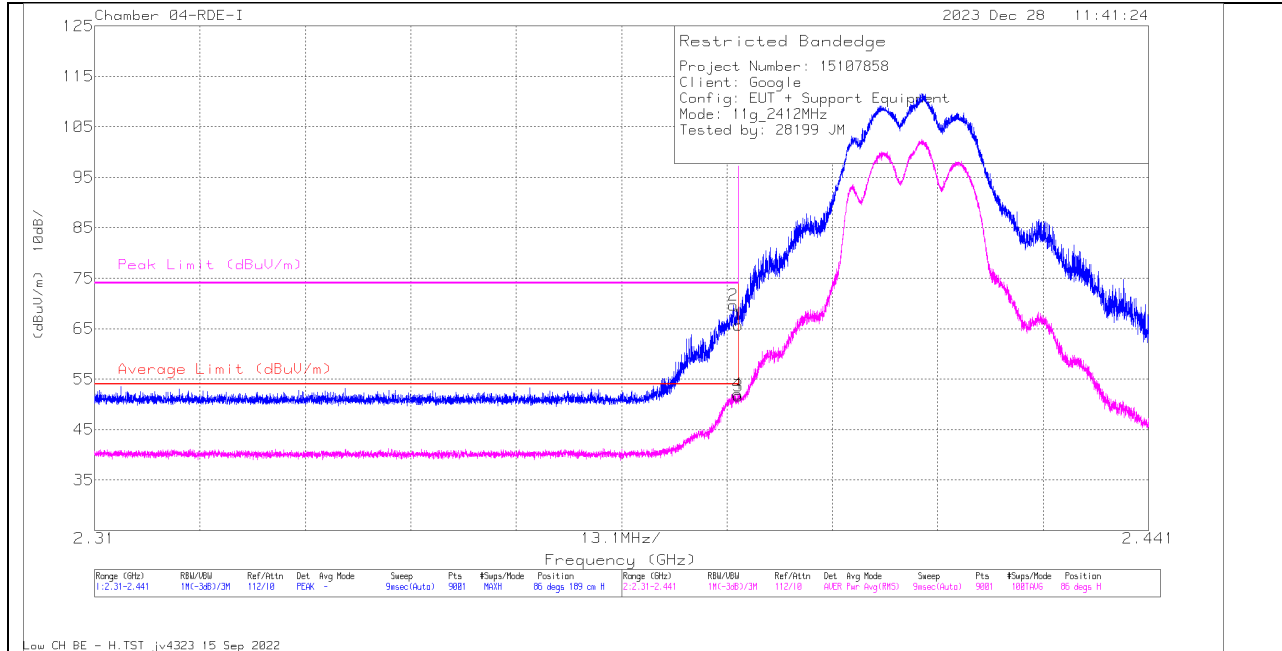
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 \*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

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

**2TX**

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

**HORIZONTAL RESULT**

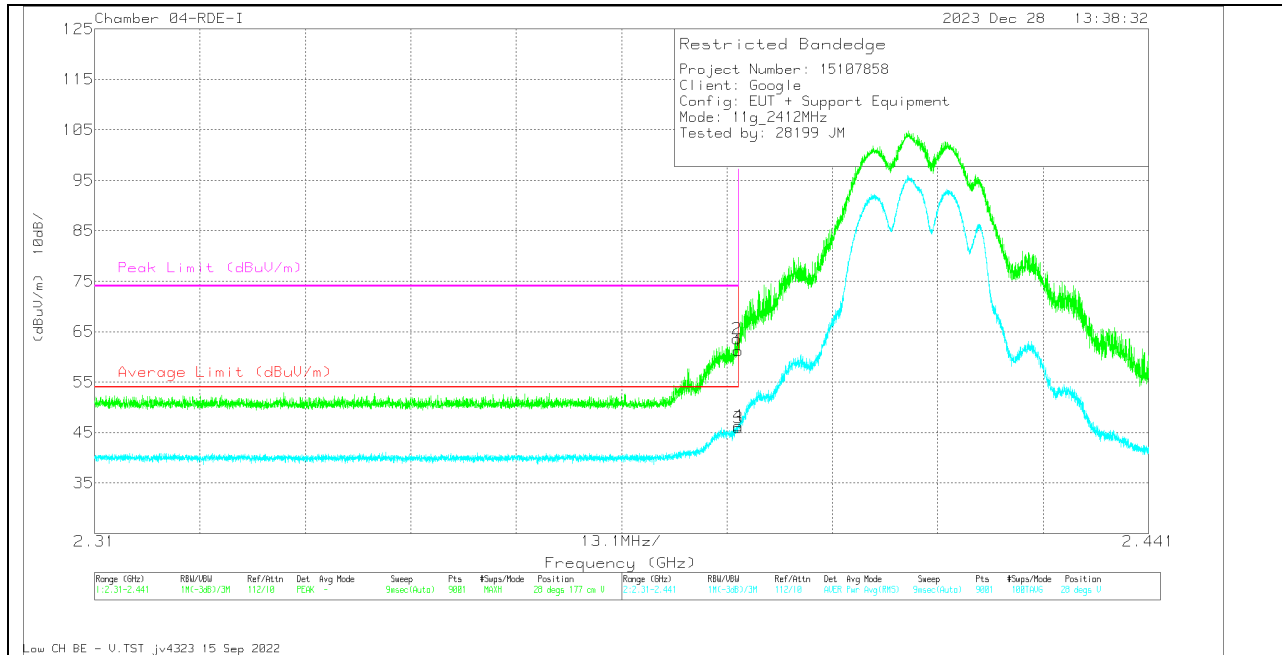


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.64	Pk	31.7	-19.7	65.64	-	-	74	-8.36	86	189	H
2	* 2.389374	57.71	Pk	31.7	-19.7	69.71	-	-	74	-4.29	86	189	H
3	* 2.39	39.63	RMS	31.7	-19.7	51.63	54	-2.37	-	-	86	189	H
4	* 2.389942	40.08	RMS	31.7	-19.7	52.08	54	-1.92	-	-	86	189	H

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

### VERTICAL RESULT



### Trace Markers

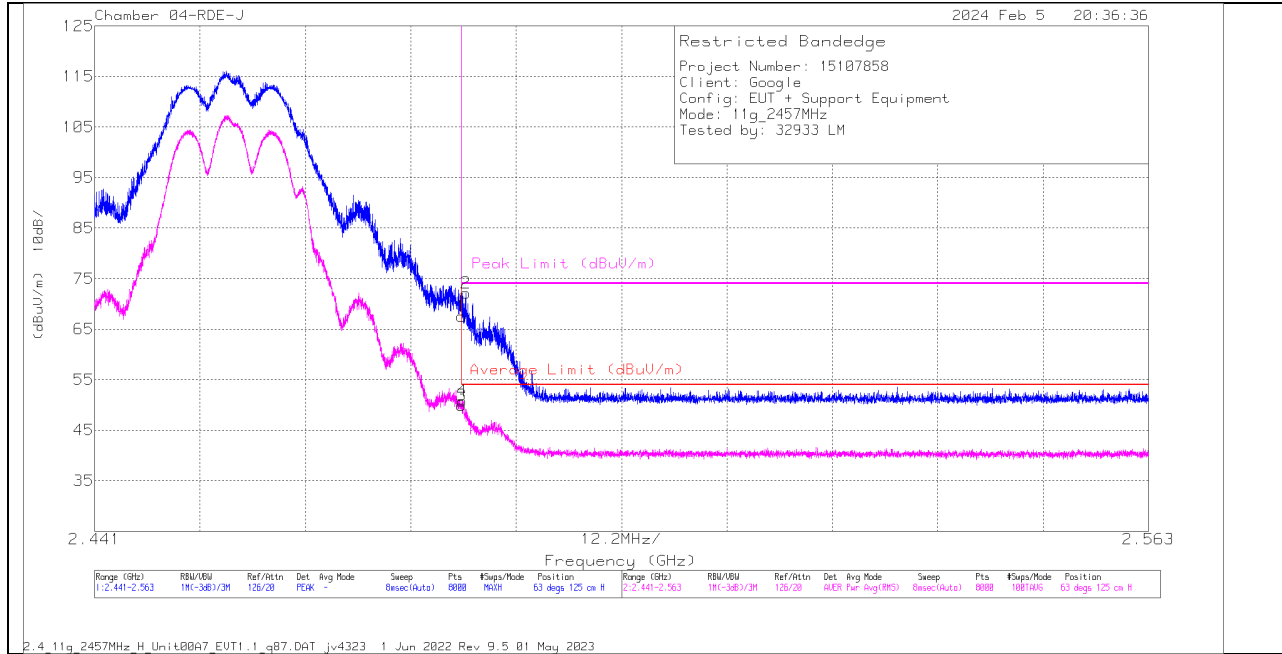
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	49.25	Pk	31.7	-19.7	61.25	-	-	74	-12.75	28	177	V
2	* ** 2.389869	51.54	Pk	31.7	-19.7	63.54	-	-	74	-10.46	28	177	V
3	* ** 2.39	33.9	RMS	31.7	-19.7	45.9	54	-8.1	-	-	28	177	V
4	* ** 2.389985	34.35	RMS	31.7	-19.7	46.35	54	-7.65	-	-	28	177	V

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



**BANDEDGE (HIGH CHANNEL, CH 10)**

**HORIZONTAL RESULT**

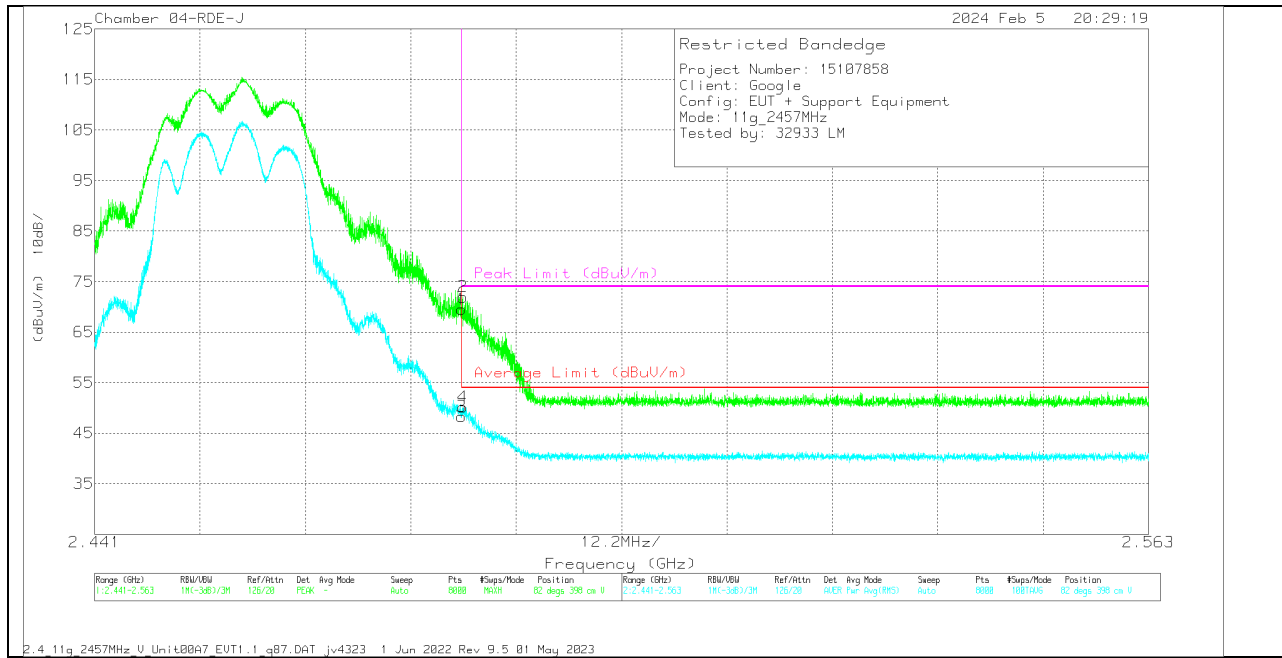


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	72.37	Pk	32.2	-37	67.57	-	-	74	-6.43	63	125	H
3	*** 2.4835	54.67	RMS	32.2	-37	49.87	54	-4.13	-	-	63	125	H
4	*** 2.483553	55.58	RMS	32.2	-37	50.78	54	-3.22	-	-	63	125	H
2	*** 2.48395	76.89	Pk	32.3	-37	72.19	-	-	74	-1.81	63	125	H

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

### VERTICAL RESULT



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.4835	74.35	Pk	32.2	-37	69.55	-	-	74	-4.45	82	398	V
3	*** 2.4835	53.13	RMS	32.2	-37	48.33	54	-5.67	-	-	82	398	V
2	*** 2.483614	76.66	Pk	32.3	-37	71.96	-	-	74	-2.04	82	398	V
4	*** 2.483629	54.91	RMS	32.3	-37	50.21	54	-3.79	-	-	82	398	V

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