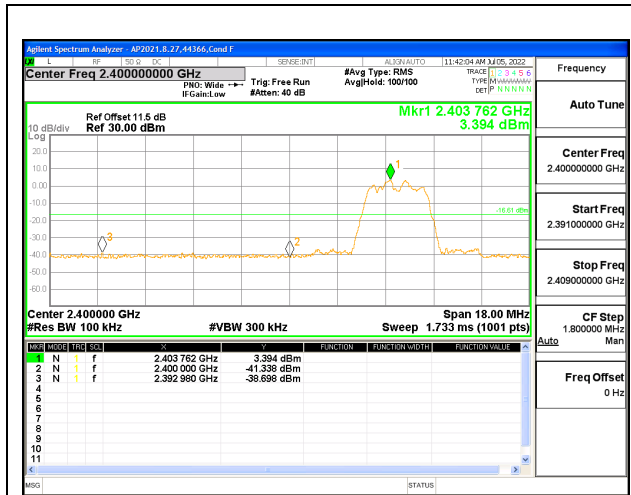


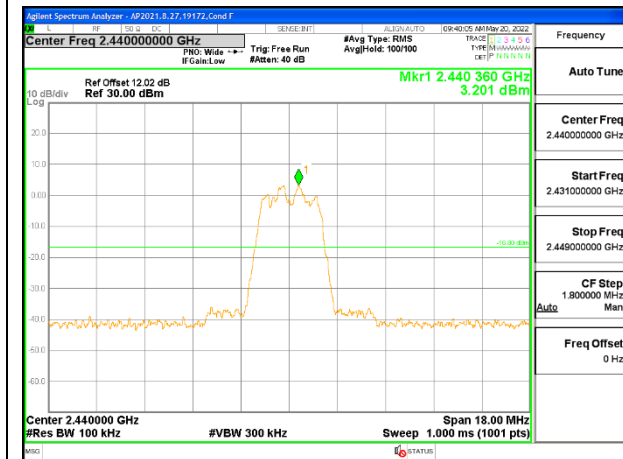
**ANT 3**



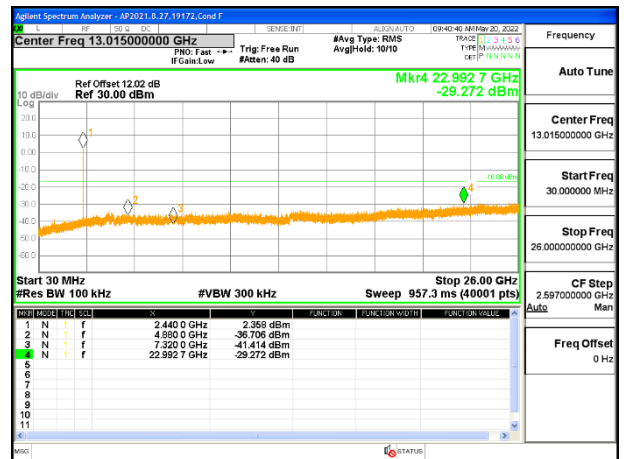
**LOW CHANNEL BANDEDGE ANT 3**



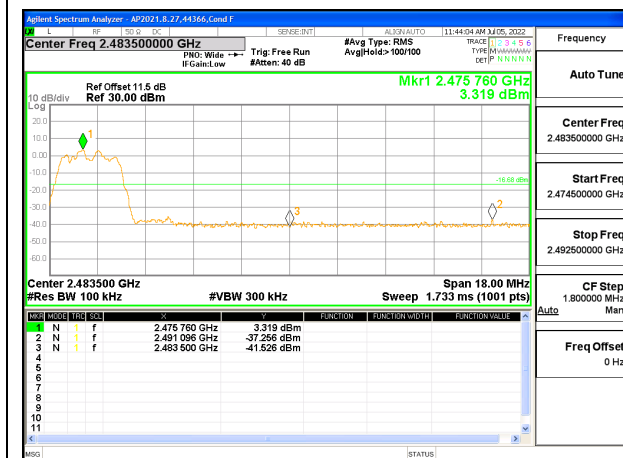
**OUT-OF-BAND LOW CHANNEL ANT 3**



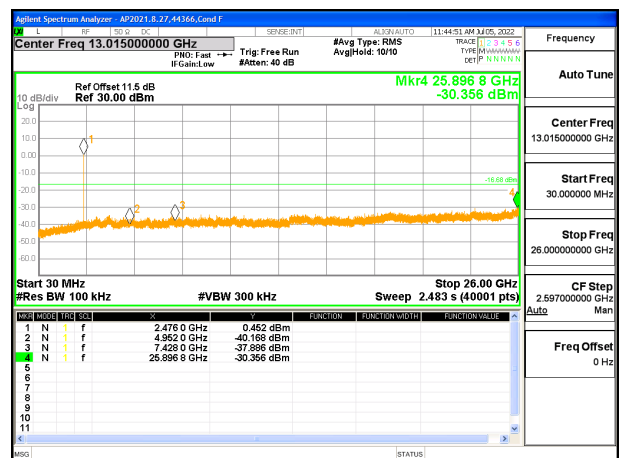
**IN-BAND REFERENCE LEVEL ANT 3**



**OUT-OF-BAND MID CHANNEL ANT 3**



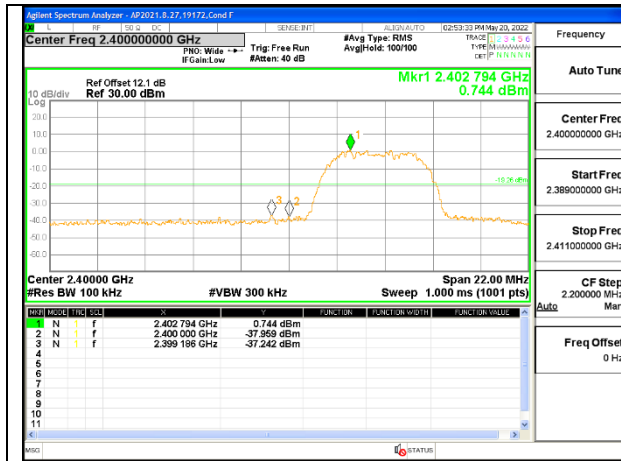
**HIGH CHANNEL BANDEDGE ANT 3**



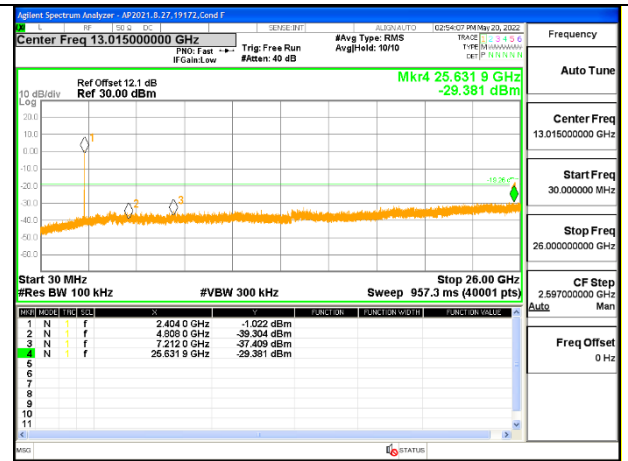
**OUT-OF-BAND HIGH CHANNEL ANT 3**

### 9.7.7. LOW POWER HDR (HDR8)

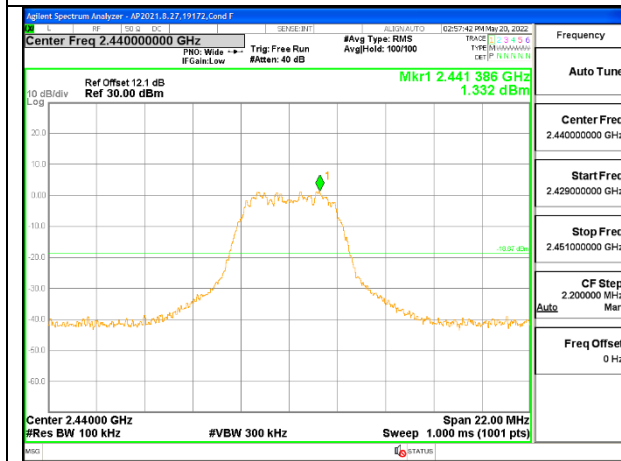
#### ANT 4



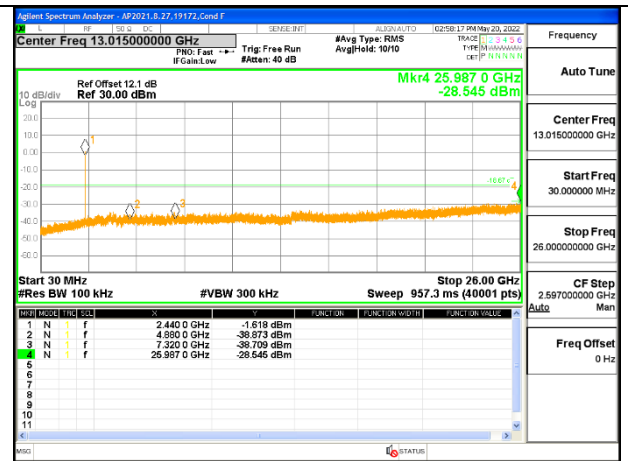
LOW CHANNEL BANDEDGE



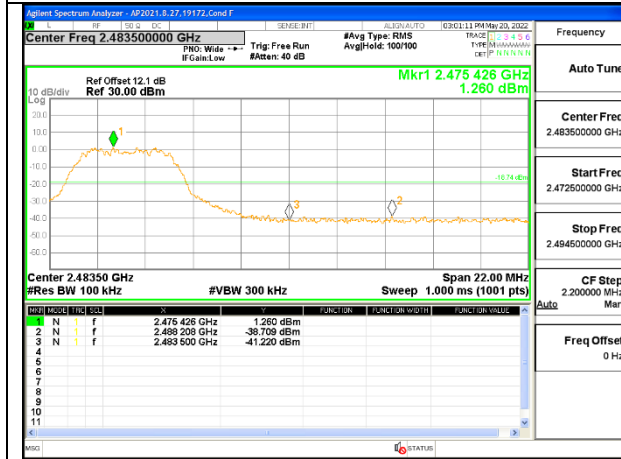
OUT-OF-BAND LOW CHANNEL



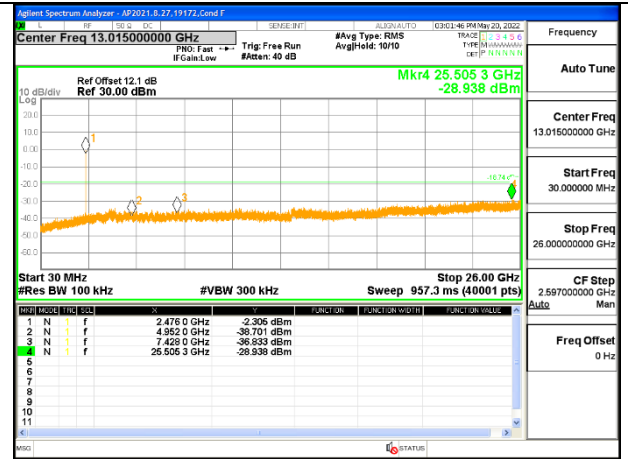
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

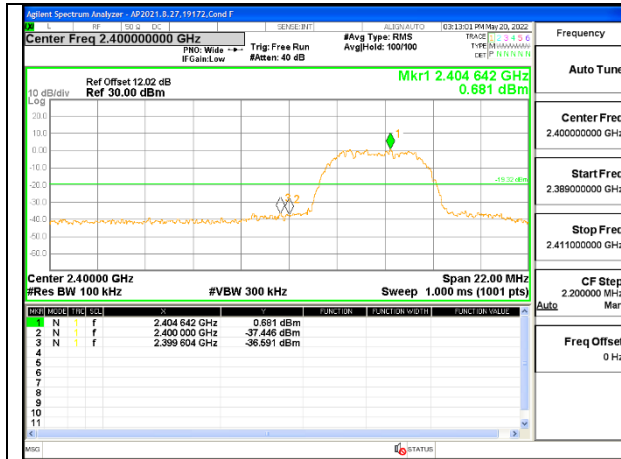


HIGH CHANNEL BANDEDGE

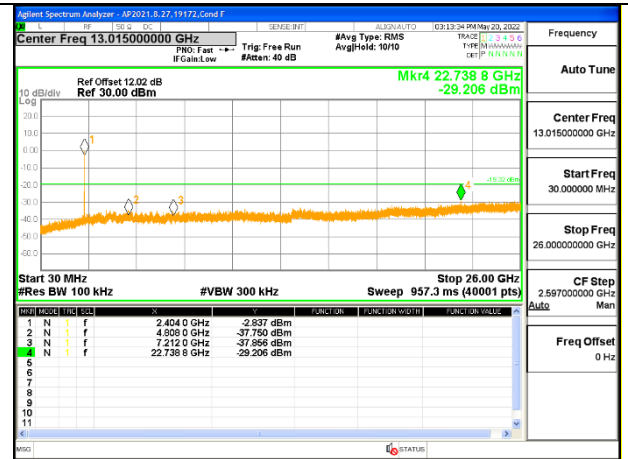


OUT-OF-BAND HIGH CHANNEL

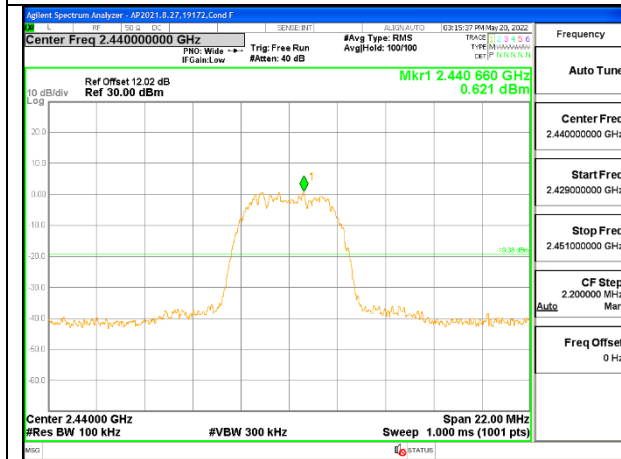
ANT 3



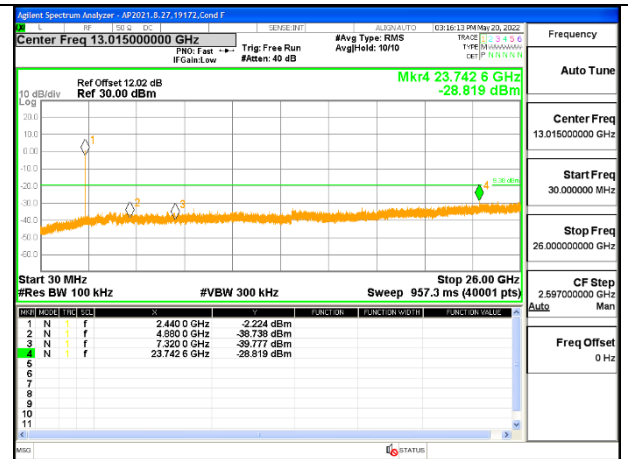
LOW CHANNEL BANDEDGE



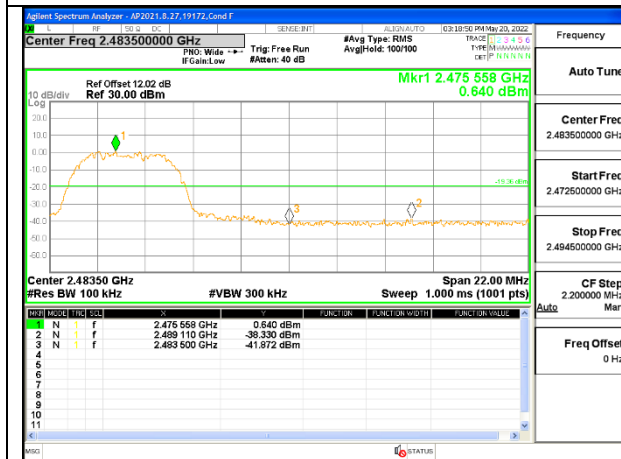
OUT-OF-BAND LOW CHANNEL



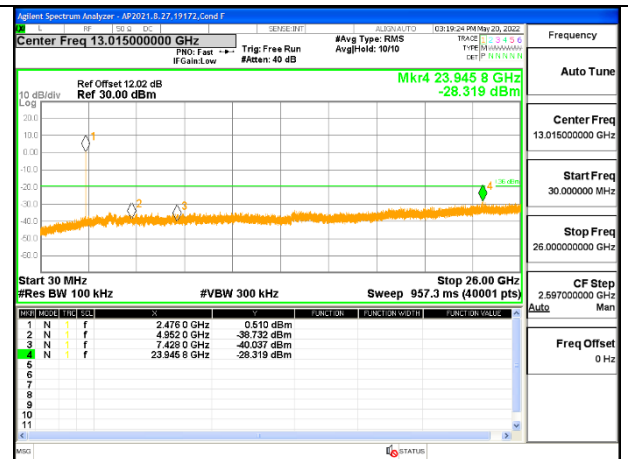
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



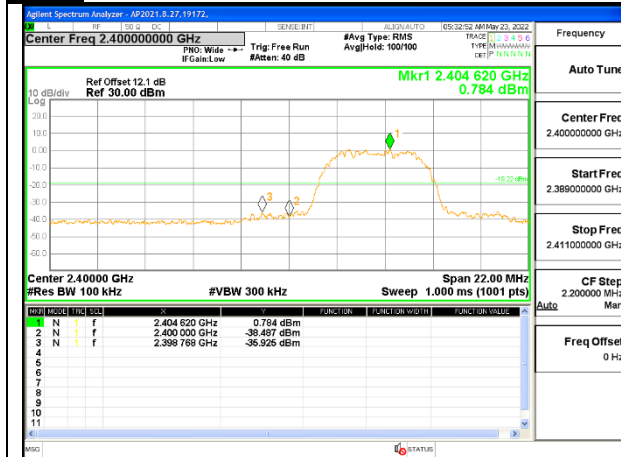
HIGH CHANNEL BANDEDGE



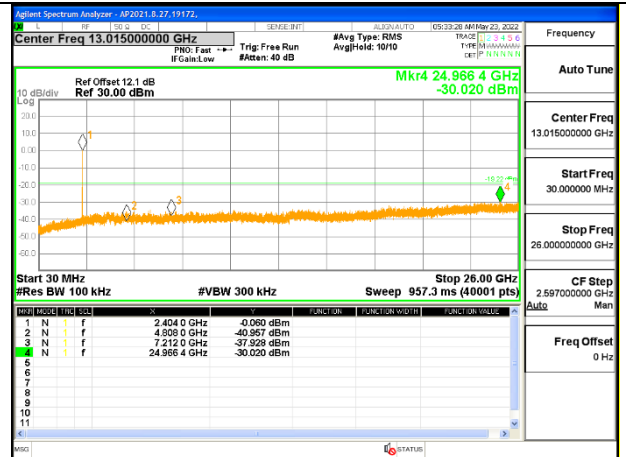
OUT-OF-BAND HIGH CHANNEL

### 9.7.8. LOW POWER HDR TXBF (HDR8)

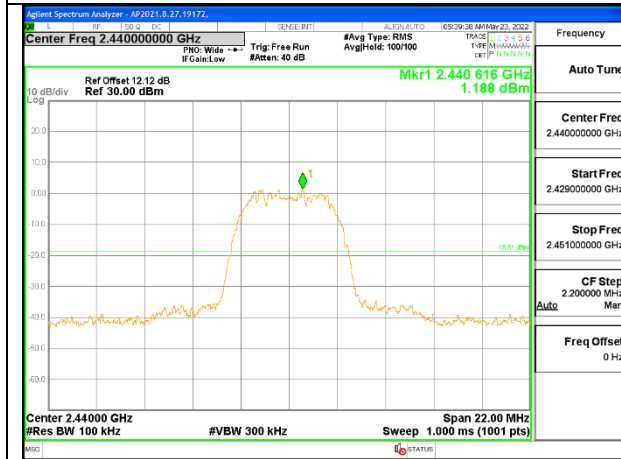
#### ANT 4



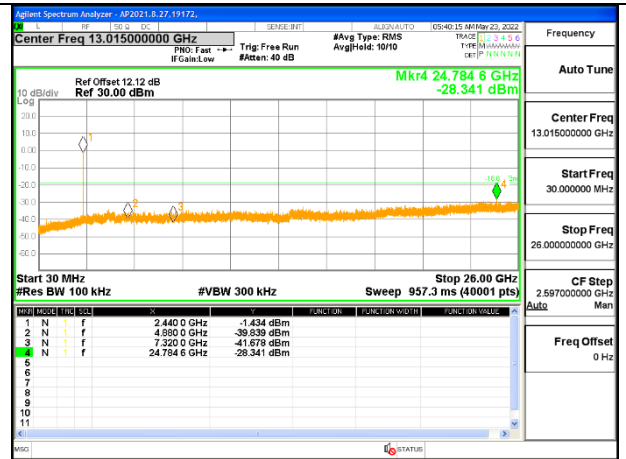
**LOW CHANNEL BANDEDGE ANT 4**



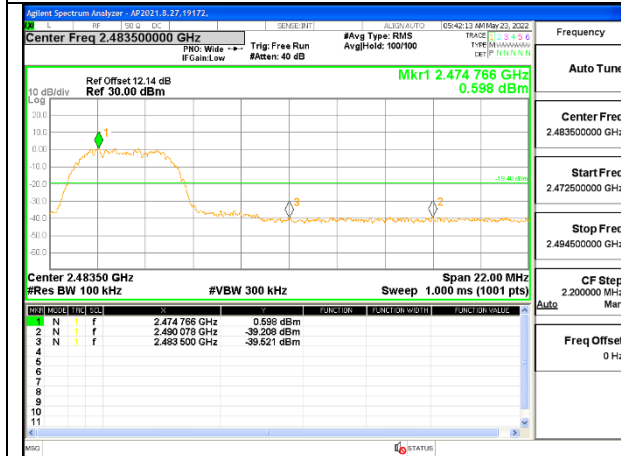
**OUT-OF-BAND LOW CHANNEL ANT 4**



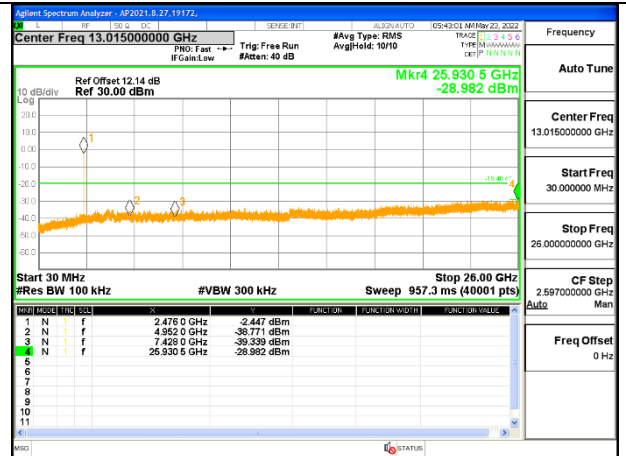
**IN-BAND REFERENCE LEVEL ANT 4**



**OUT-OF-BAND MID CHANNEL ANT 4**

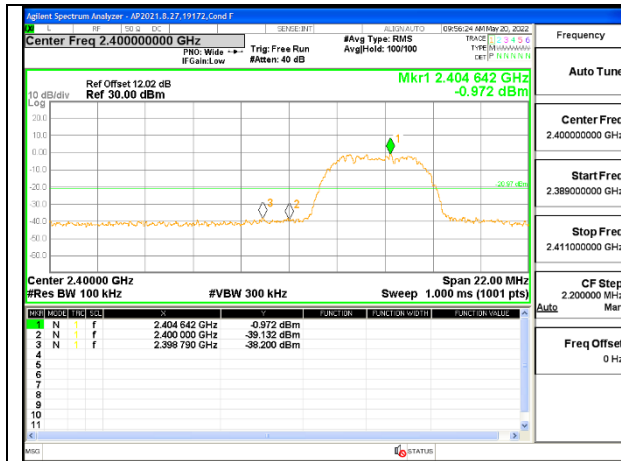


**HIGH CHANNEL BANDEDGE ANT 4**

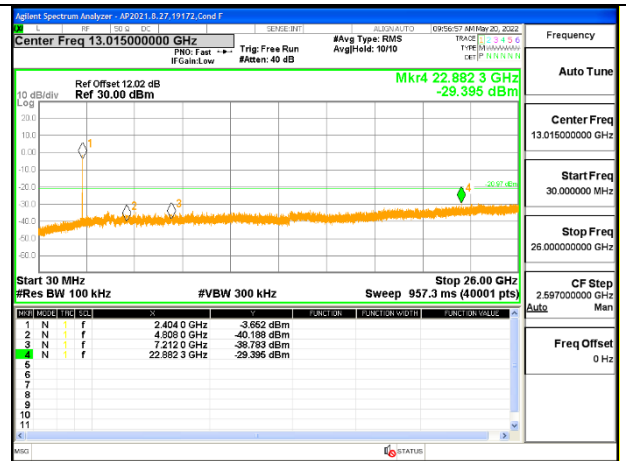


**OUT-OF-BAND HIGH CHANNEL ANT 4**

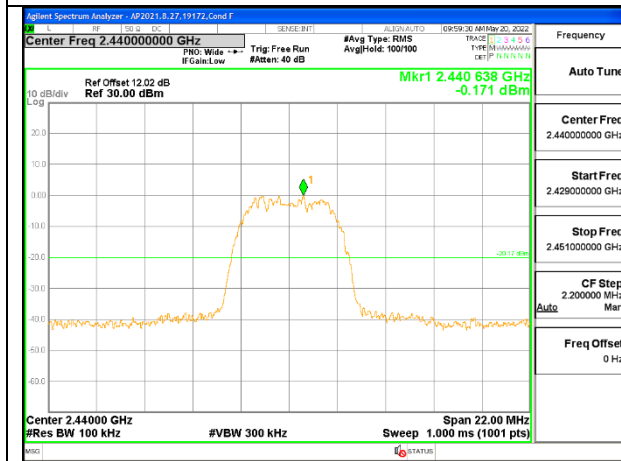
ANT 3



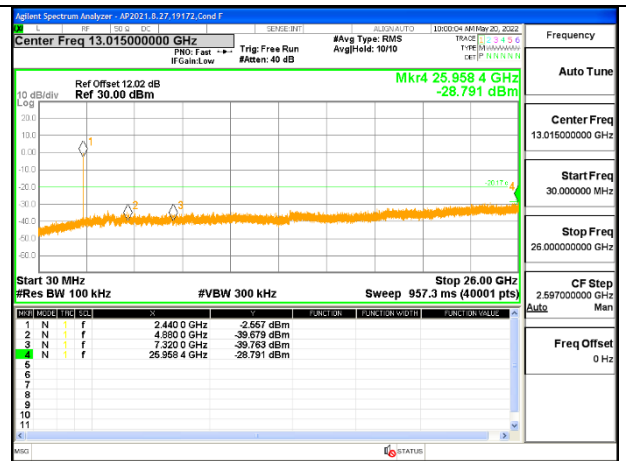
LOW CHANNEL BANDEDGE ANT 3



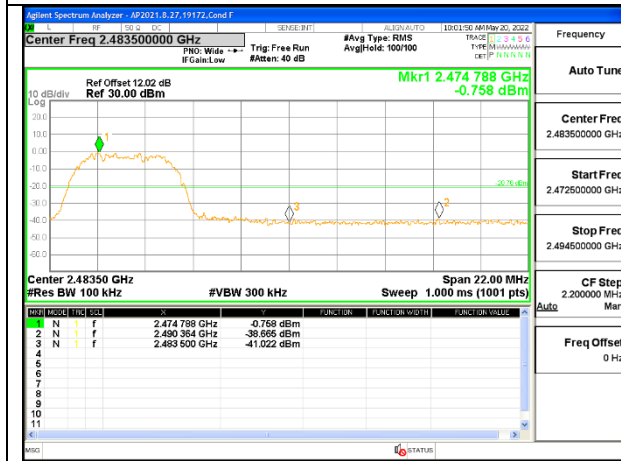
OUT-OF-BAND LOW CHANNEL ANT 3



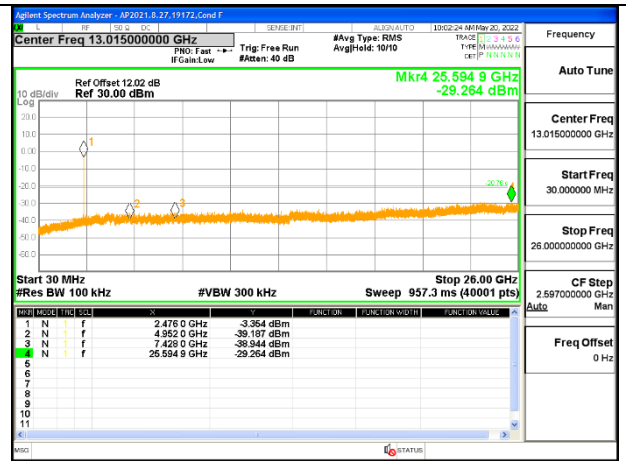
IN-BAND REFERENCE LEVEL ANT 3



OUT-OF-BAND MID CHANNEL ANT 3



HIGH CHANNEL BANDEDGE ANT 3



OUT-OF-BAND HIGH CHANNEL ANT 3

## 10. RADIATED TEST RESULTS

### 10.1. LIMITS AND PROCEDURE

#### LIMITS

FCC §15.205 and §15.209  
RSS-GEN, Section 8.9 and 8.10.

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. Peak detection is used unless otherwise noted as quasi-peak.

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.

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 report in the table) using 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.

In addition:

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

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.

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

**RESULTS:**

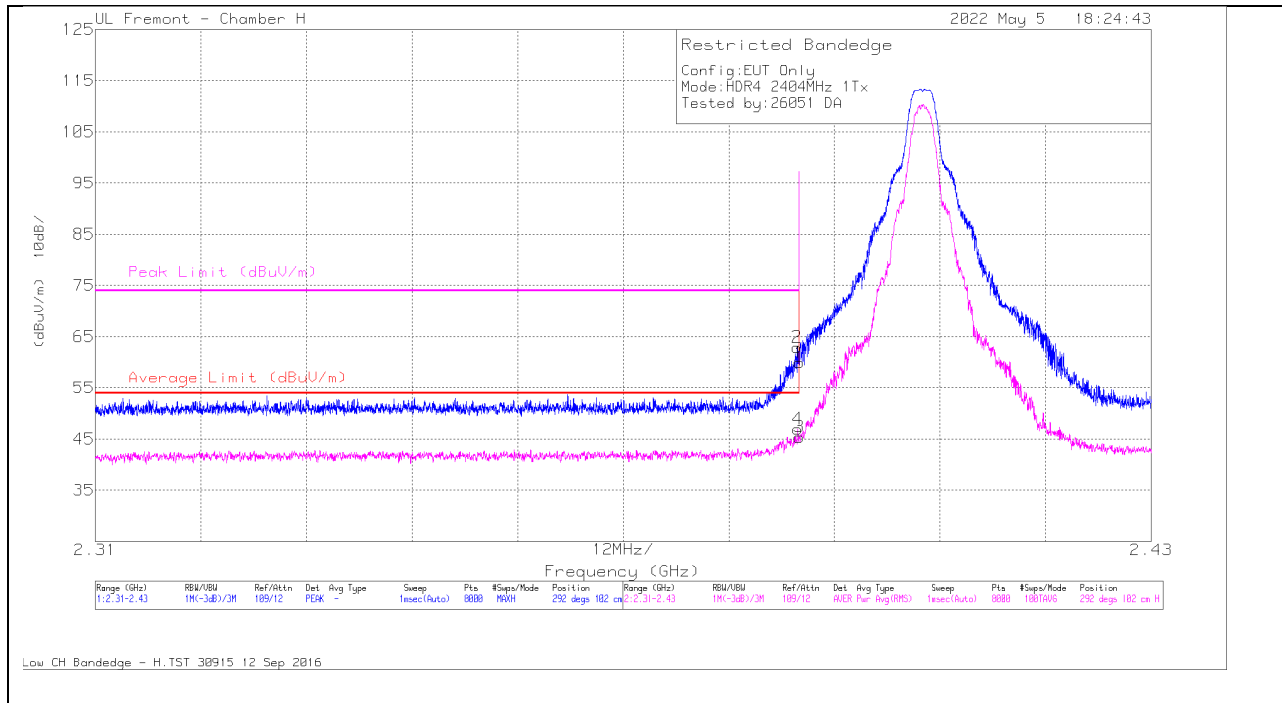
## 10.2. TRANSMITTER ABOVE 1 GHz

### 10.2.1. HIGH POWER HDR (HDR4)

#### ANT 4

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.65	Pk	32	-17.7	0	59.95	-	-	74	-14.05	292	102	H
2	* 2.389766	48.62	Pk	32	-17.7	0	62.92	-	-	74	-11.08	292	102	H
3	* 2.39	31.1	RMS	32	-17.7	0	45.4	54	-8.6	-	-	292	102	H
4	* 2.389826	32.65	RMS	32	-17.7	0	46.95	54	-7.05	-	-	292	102	H

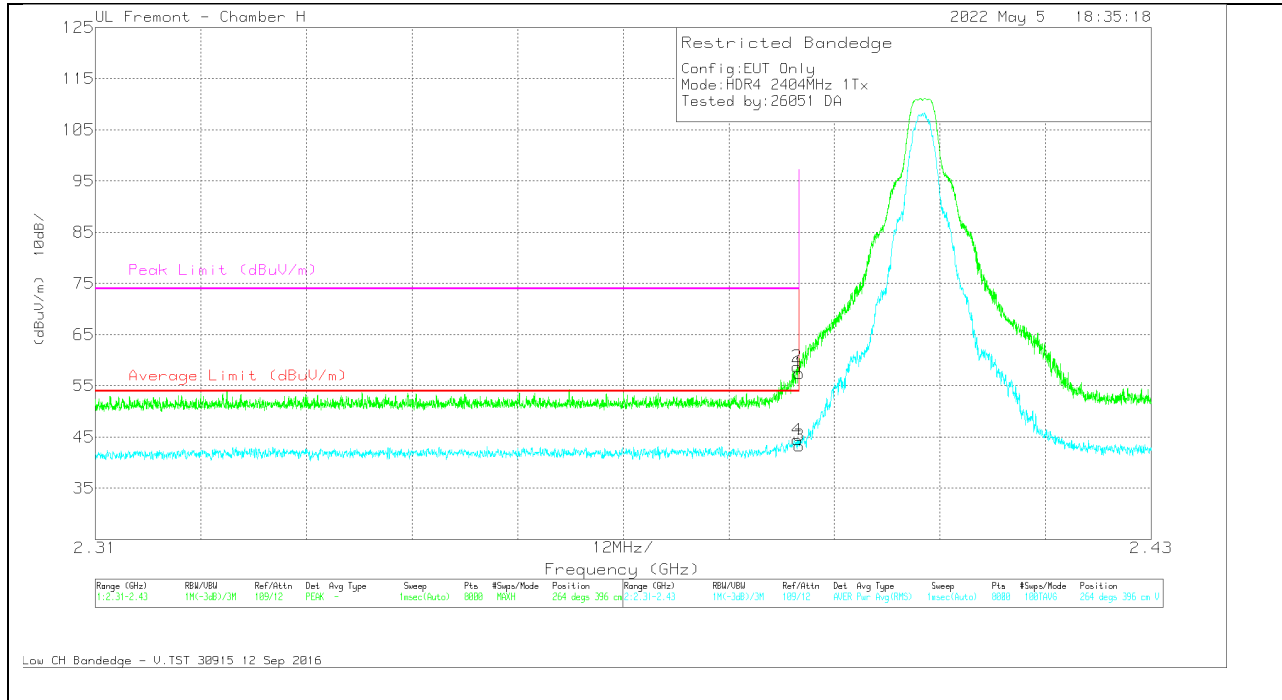
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.39	43.13	Pk	32	-17.7	0	57.43	-	-	74	-16.57	264	396	V
2	*2.389751	44.44	Pk	32	-17.7	0	58.74	-	-	74	-15.26	264	396	V
3	*2.39	29.01	RMS	32	-17.7	0	43.31	54	-10.69	-	-	264	396	V
4	*2.389781	30.18	RMS	32	-17.7	0	44.48	54	-9.52	-	-	264	396	V

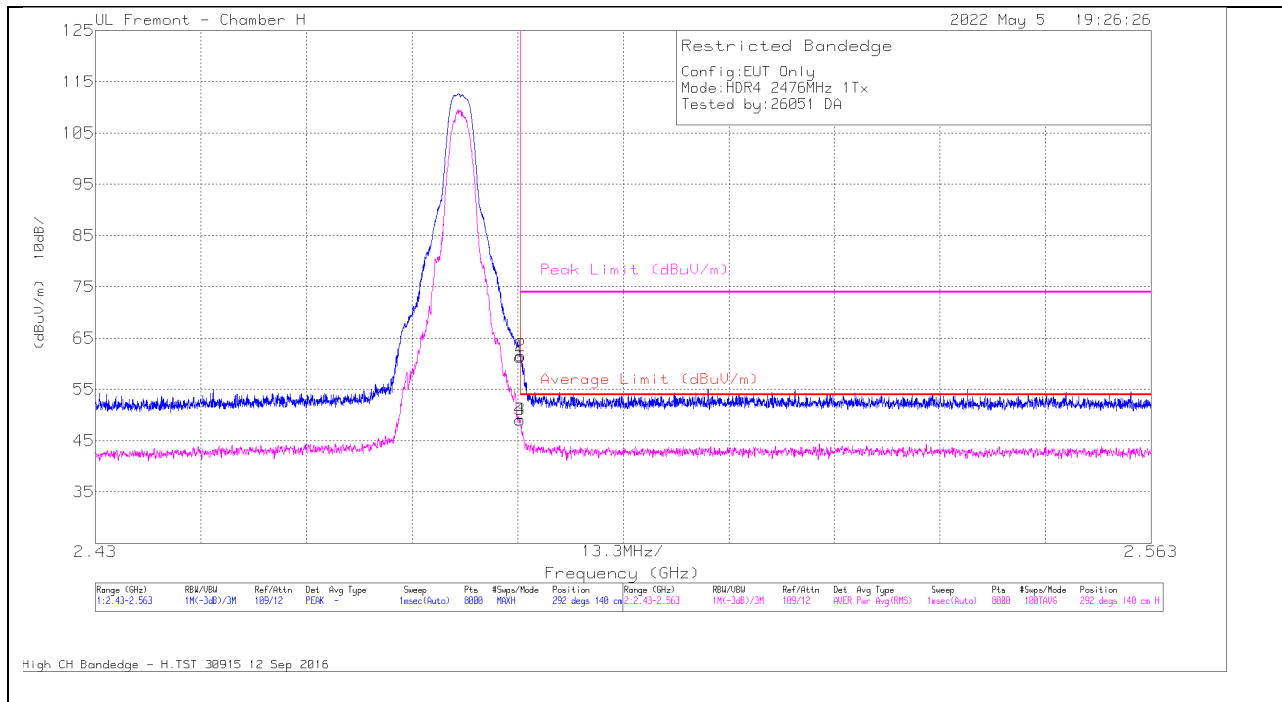
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



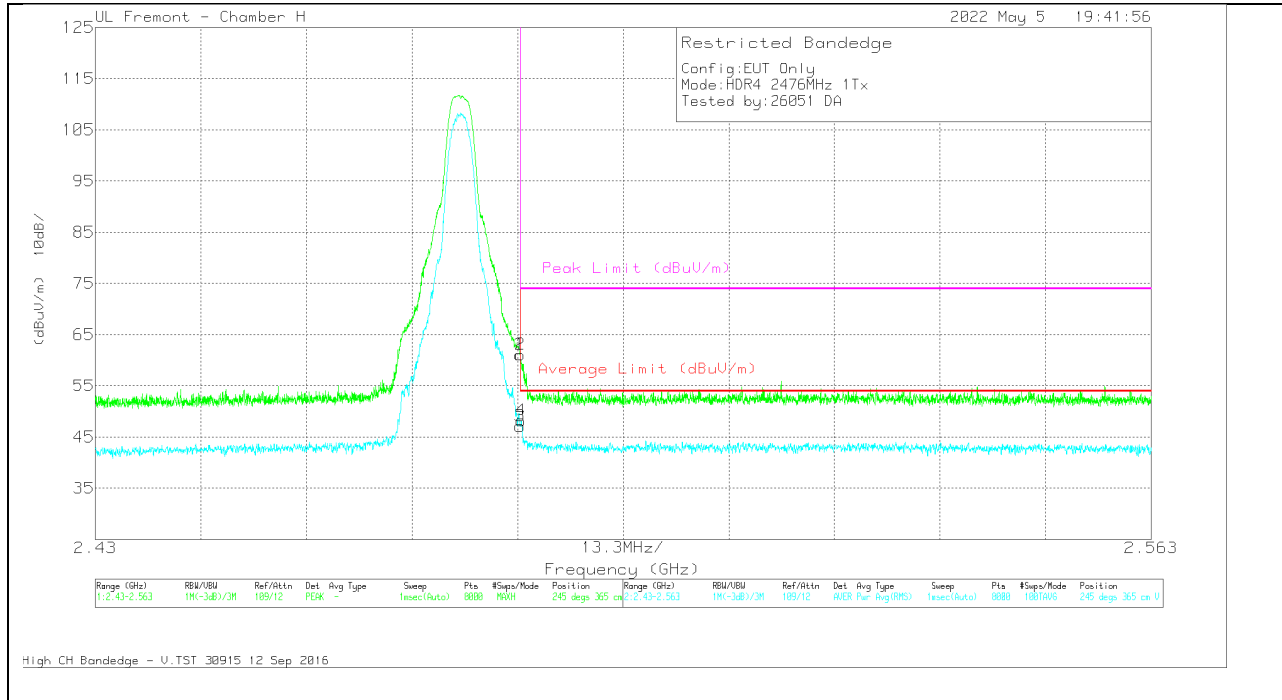
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	46.25	Pk	32.7	-17.6	0	61.35	-	-	74	-12.65	292	140	H
3	* 2.4835	33.99	RMS	32.7	-17.6	0	49.09	54	-4.91	-	-	292	140	H
4	* 2.483506	33.99	RMS	32.7	-17.6	0	49.09	54	-4.91	-	-	292	140	H
2	* 2.483572	46.45	Pk	32.7	-17.6	0	61.55	-	-	74	-12.45	292	140	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	45.98	Pk	32.7	-17.6	0	61.08	-	-	74	-12.92	245	365	V
2	* 2.483522	46.01	Pk	32.7	-17.6	0	61.11	-	-	74	-12.89	245	365	V
3	* 2.4835	32.03	RMS	32.7	-17.6	0	47.13	54	-6.87	-	-	245	365	V
4	* 2.483639	33.13	RMS	32.7	-17.6	0	48.23	54	-5.77	-	-	245	365	V

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

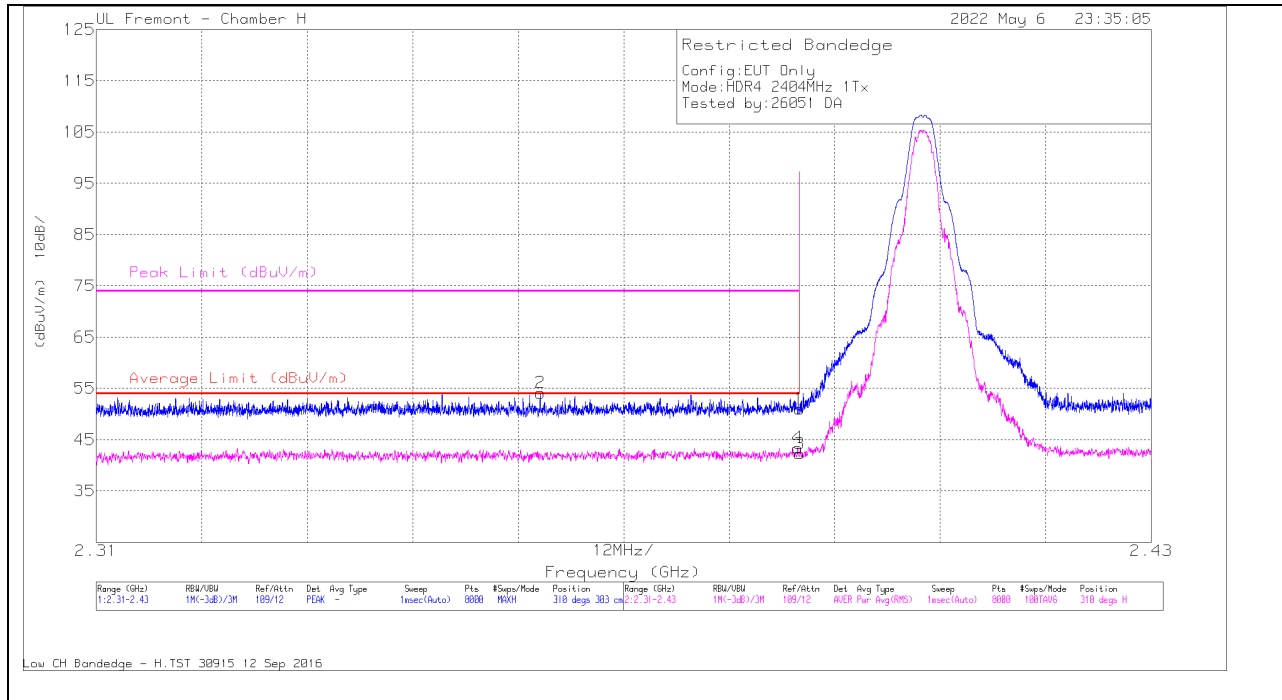
Pk - Peak detector

RMS - RMS detection

**ANT 3**

**BANDEDGE (LOW CHANNEL)**

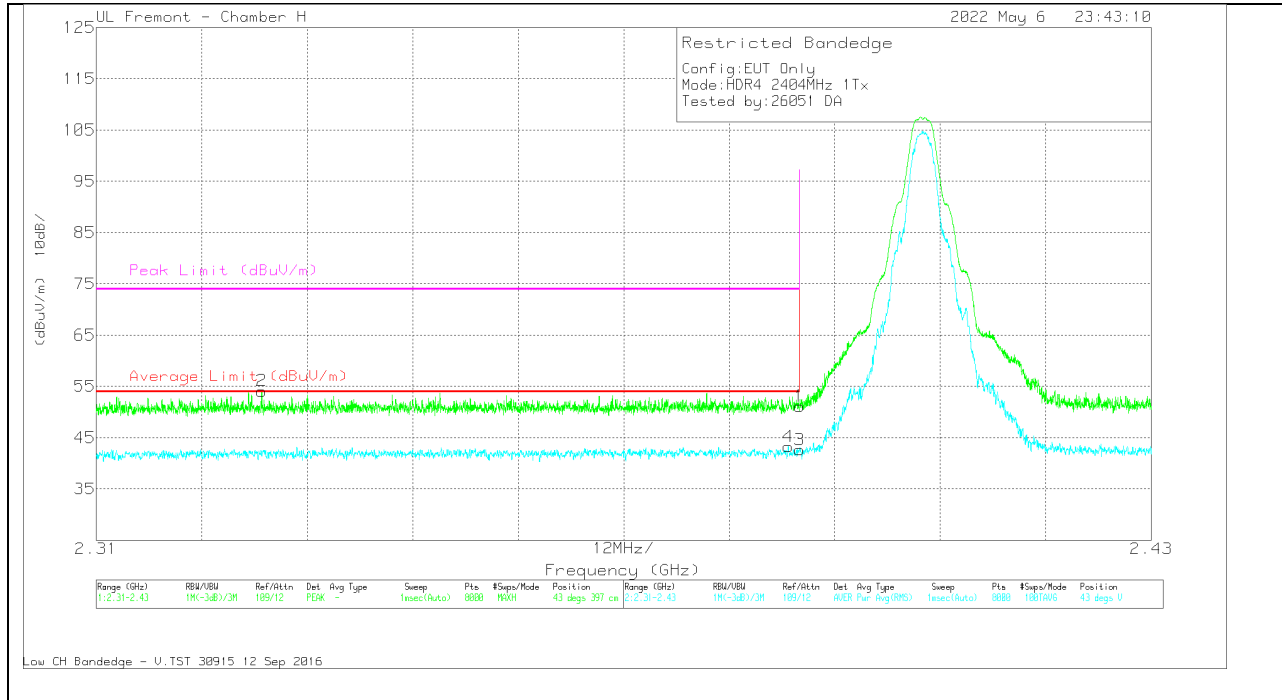
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	36.74	Pk	32	-17.7	0	51.04	-	-	74	-22.96	310	303	H
2	* 2.360497	40.03	Pk	31.9	-17.8	0	54.13	-	-	74	-19.87	310	303	H
3	* 2.39	27.95	RMS	32	-17.7	0	42.25	54	-11.75	-	-	310	303	H
4	* 2.389796	29.11	RMS	32	-17.7	0	43.41	54	-10.59	-	-	310	303	H

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

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	36.82	Pk	32	-17.7	0	51.12	-	-	74	-22.88	43	397	V
2	* 2.328828	39.91	Pk	31.9	-17.7	0	54.11	-	-	74	-19.89	43	397	V
3	* 2.39	28.32	RMS	32	-17.7	0	42.62	54	-11.38	-	-	43	397	V
4	* 2.388715	29.05	RMS	32	-17.8	0	43.25	54	-10.75	-	-	43	397	V

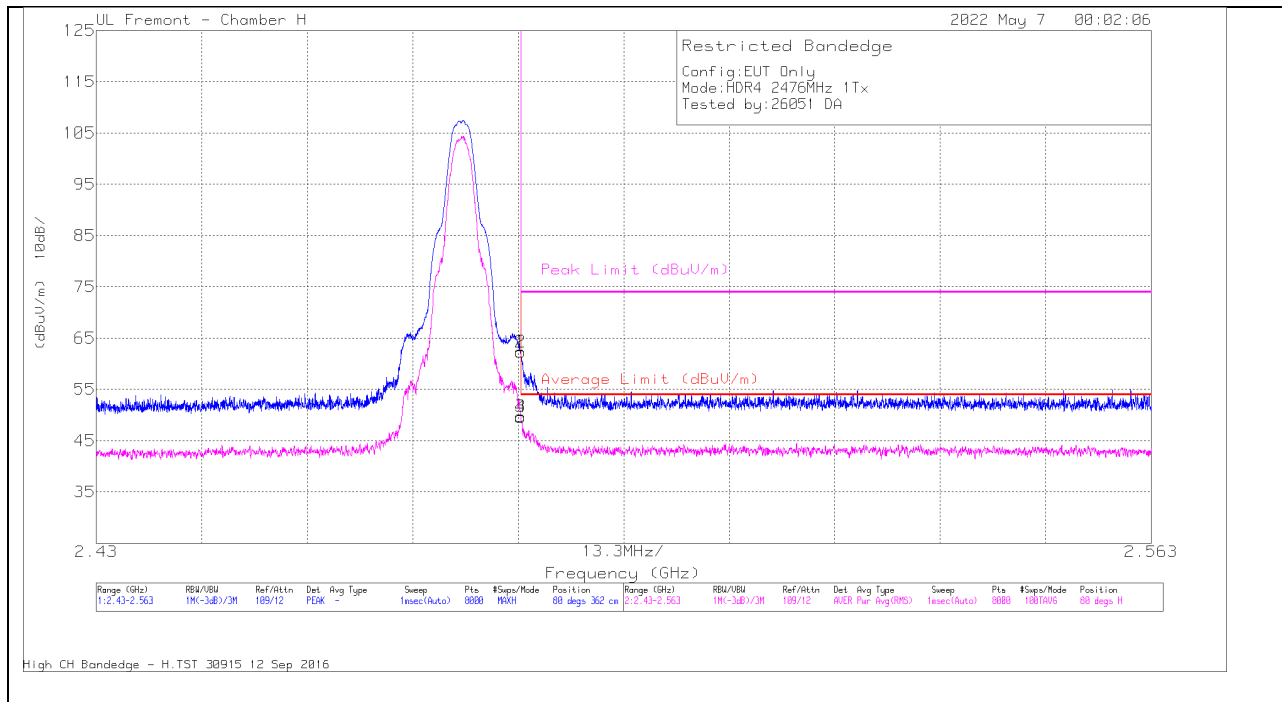
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



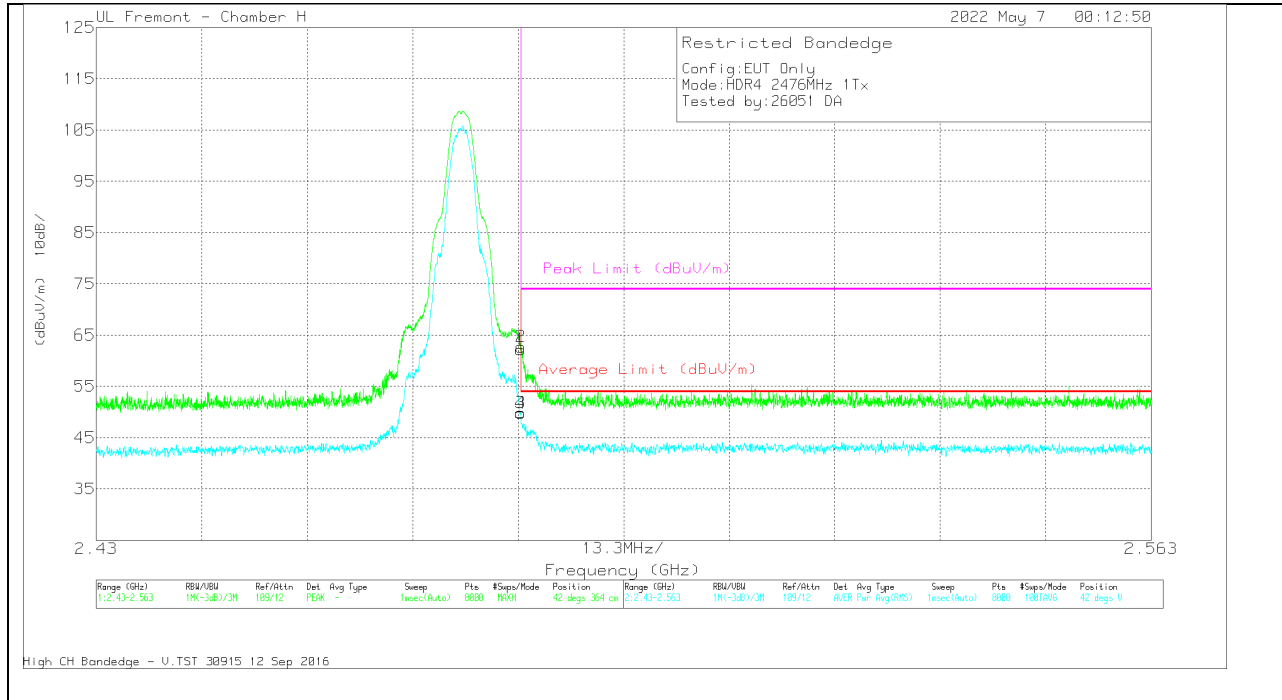
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	47.26	Pk	32.7	-17.6	0	62.36	-	-	74	-11.64	80	362	H
2	* 2.483506	47.22	Pk	32.7	-17.6	0	62.32	-	-	74	-11.68	80	362	H
3	* 2.4835	34.65	RMS	32.7	-17.6	0	49.75	54	-4.25	-	-	80	362	H
4	* 2.483506	34.48	RMS	32.7	-17.6	0	49.58	54	-4.42	-	-	80	362	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



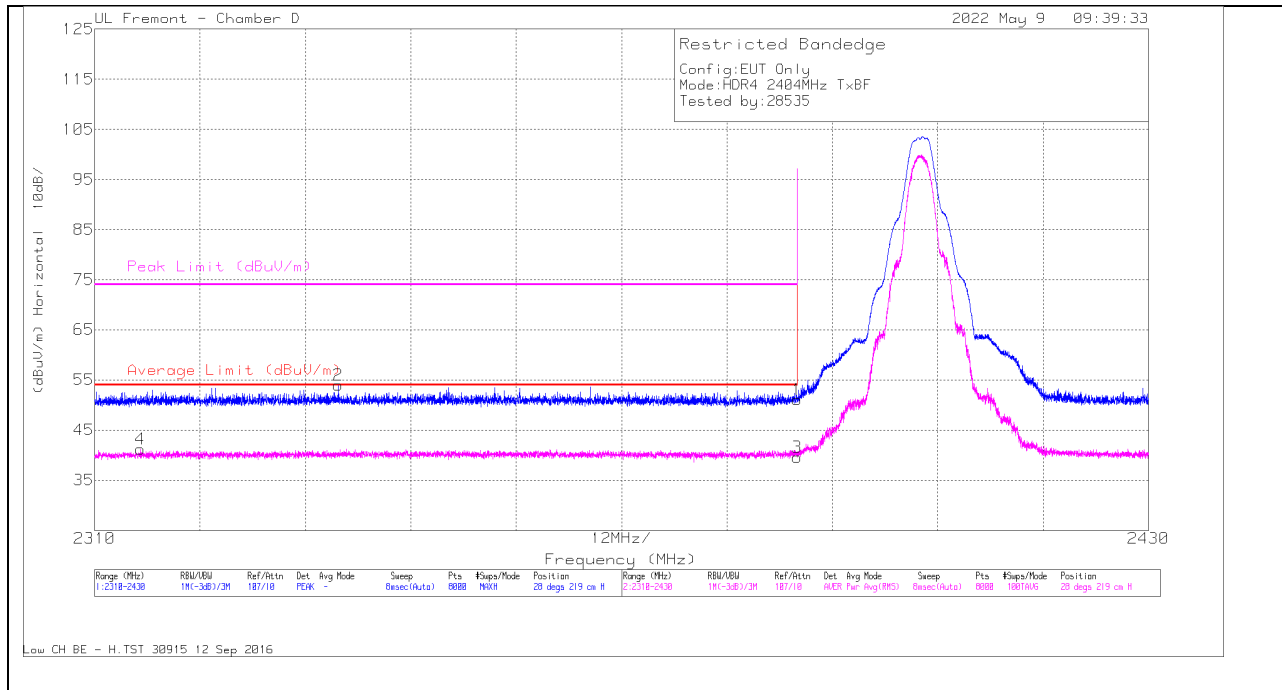
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	47.07	Pk	32.7	-17.6	62.17	-	-	74	-11.83	42	364	V
2	* 2.483539	47.62	Pk	32.7	-17.6	62.72	-	-	74	-11.28	42	364	V
3	* 2.4835	34.76	RMS	32.7	-17.6	49.86	54	-4.14	-	-	42	364	V
4	* 2.483506	34.67	RMS	32.7	-17.6	49.77	54	-4.23	-	-	42	364	V

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

**10.2.2. HIGH POWER HDR TXBF (HDR4)**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

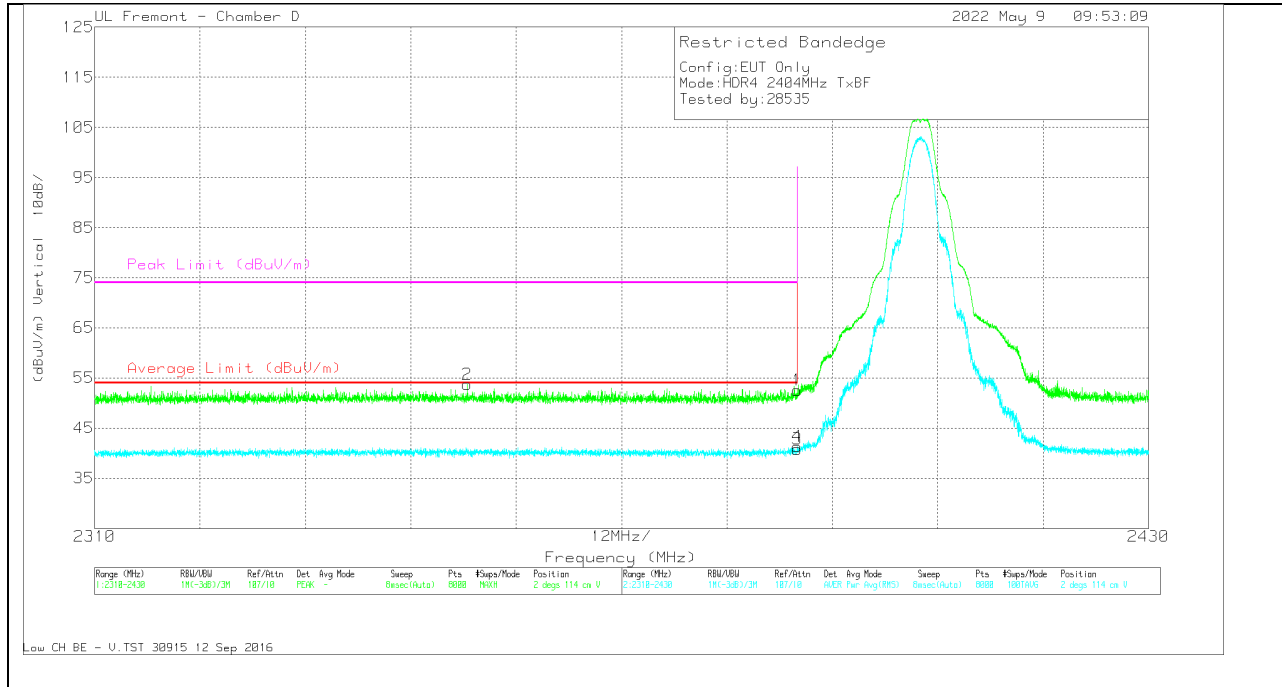


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/C b/Filtr/ Pad (dB)	Correct ed Reading (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 2390	39.7	Pk	32.1	-20.7	51.1	-	-	74	-22.9	28	219	H
2	* 2337.739	42.55	Pk	32.3	-20.9	53.95	-	-	74	-20.05	28	219	H
3	* 2390	28.21	RMS	32.1	-20.7	39.61	54	-14.39	-	-	28	219	H
4	* 2315.221	29.97	RMS	32.1	-20.9	41.17	54	-12.83	-	-	28	219	H

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



### VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	41.14	Pk	32.1	-20.7	52.54	-	-	74	-21.46	2	114	V
2	* 2352.426	42.36	Pk	32.3	-20.9	53.76	-	-	74	-20.24	2	114	V
3	* 2390	29.38	RMS	32.1	-20.7	40.78	54	-13.22	-	-	2	114	V
4	* 2389.976	29.98	RMS	32.1	-20.7	41.38	54	-12.62	-	-	2	114	V

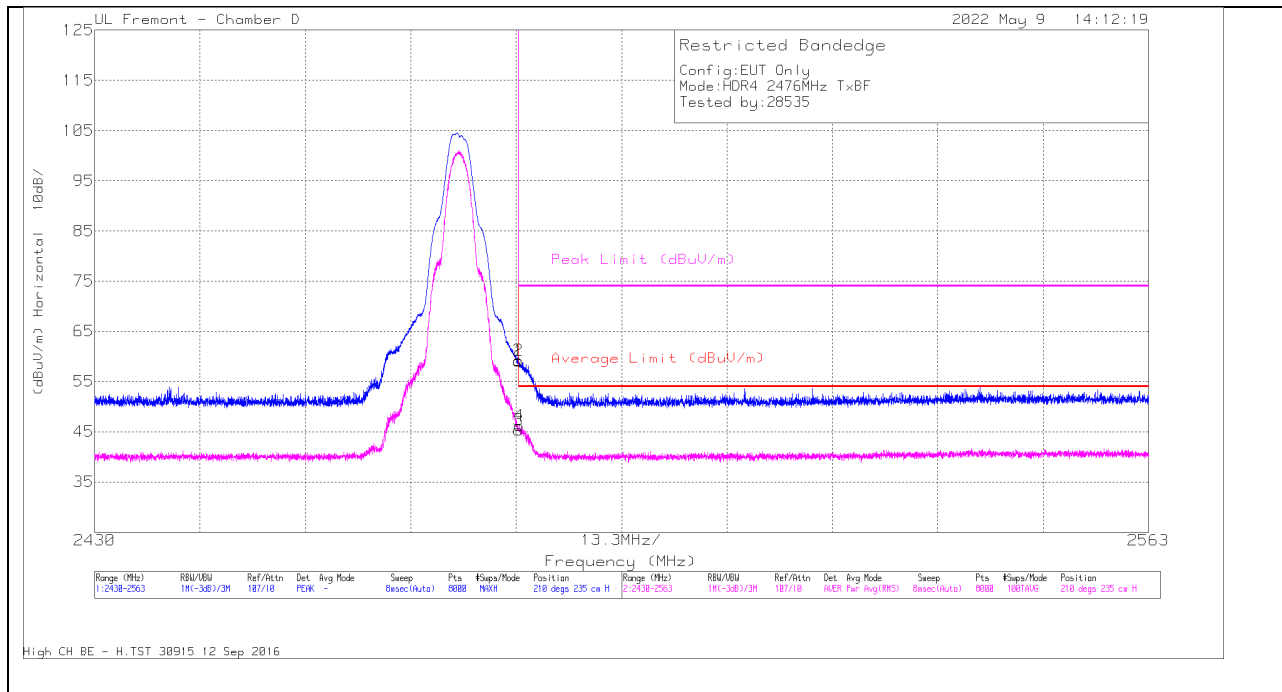
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

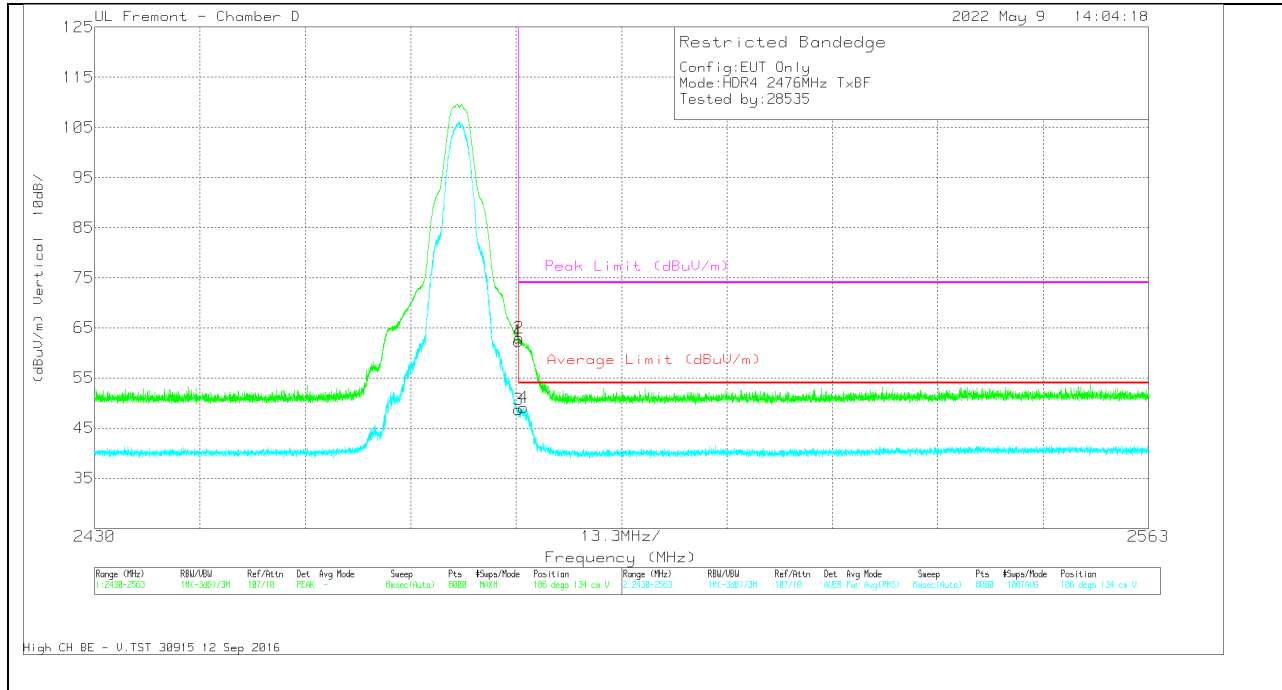
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	47.81	Pk	32	-20.7	59.11	-	-	74	-14.89	210	235	H
3	* 2483.5	34.08	RMS	32	-20.7	45.38	54	-8.62	-	-	210	235	H
2	* 2483.506	47.98	Pk	32	-20.7	59.28	-	-	74	-14.72	210	235	H
4	* 2483.572	34.86	RMS	32	-20.7	46.16	54	-7.84	-	-	210	235	H

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

**VERTICAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	51.04	Pk	32	-20.7	62.34	-	-	74	-11.66	186	134	V
2	* 2483.556	51.66	Pk	32	-20.7	62.96	-	-	74	-11.04	186	134	V
3	* 2483.5	37.42	RMS	32	-20.7	48.72	54	-5.28	-	-	186	134	V
4	* 2484.138	37.79	RMS	32	-20.7	49.09	54	-4.91	-	-	186	134	V

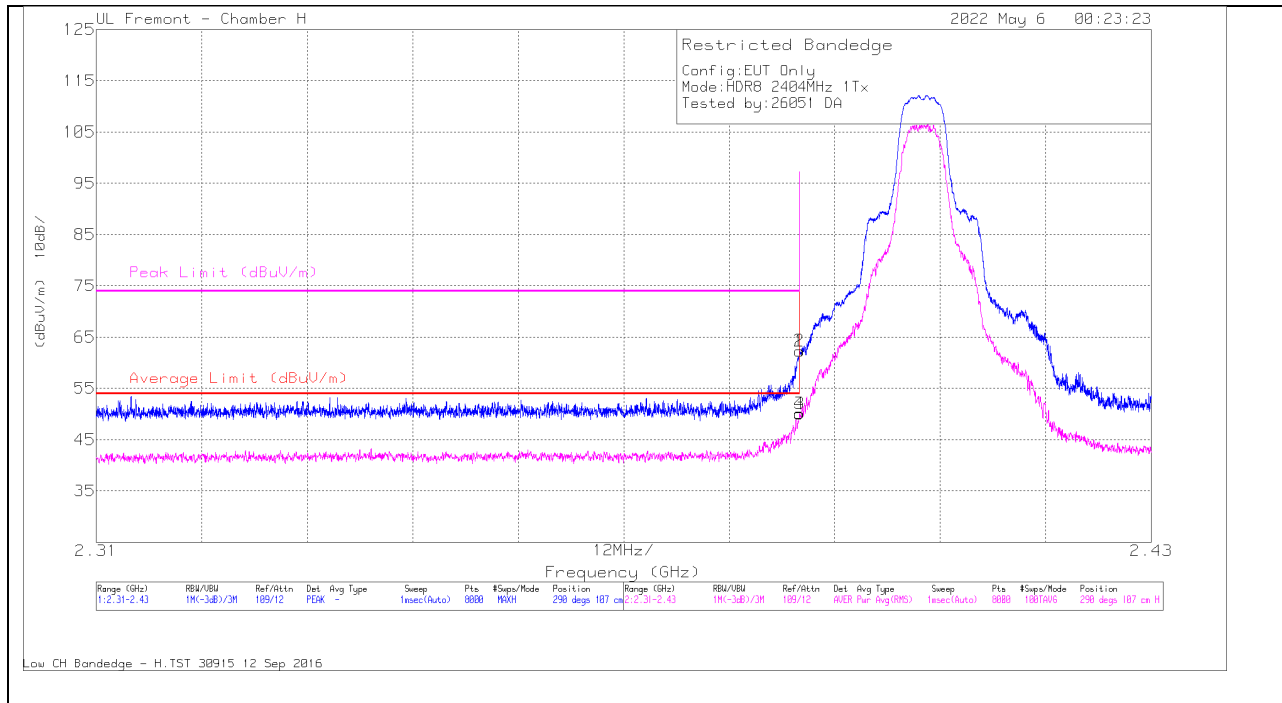
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**10.2.3. HIGH POWER HDR (HDR8)**

**ANT 4**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



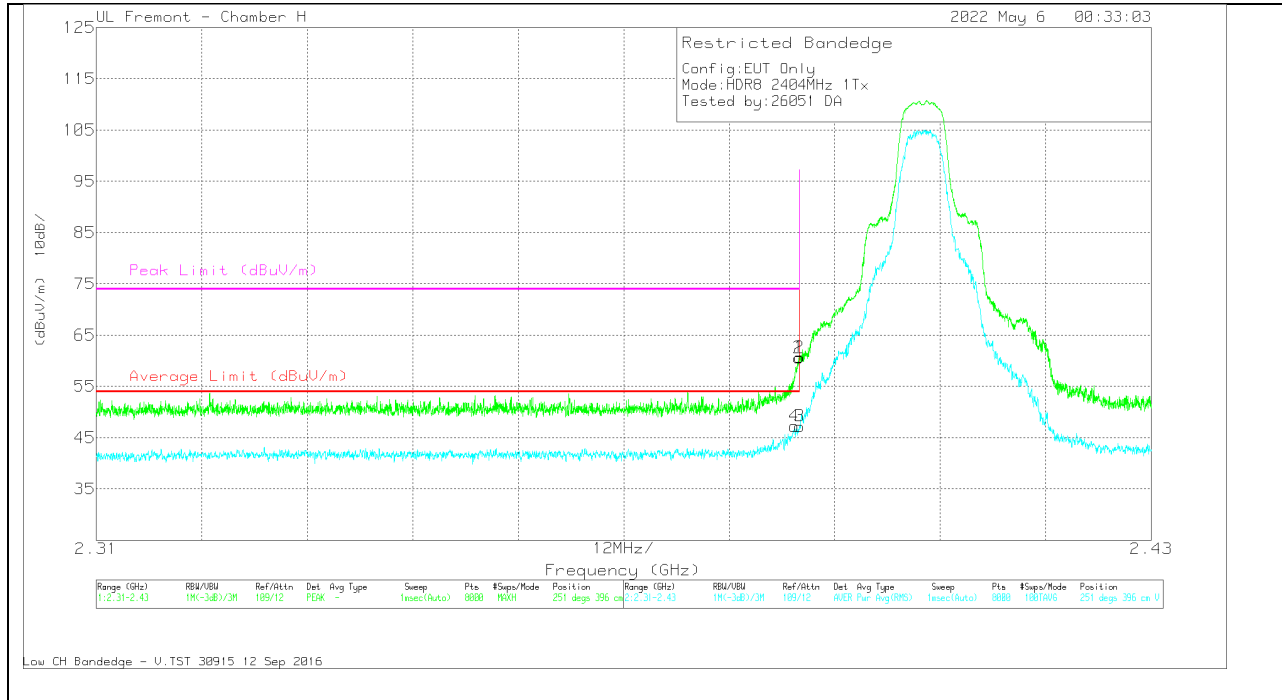
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	47.98	Pk	32	-17.7	0	62.28	-	-	74	-11.72	290	107	H
2	* 2.389991	48	Pk	32	-17.7	0	62.3	-	-	74	-11.7	290	107	H
3	* 2.39	35.81	RMS	32	-17.7	0	50.11	54	-3.89	-	-	290	107	H
4	* 2.389991	35.75	RMS	32	-17.7	0	50.05	54	-3.95	-	-	290	107	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	46.44	Pk	32	-17.7	0	60.74	-	-	74	-13.26	251	396	V
2	* 2.389931	46.3	Pk	32	-17.7	0	60.6	-	-	74	-13.4	251	396	V
3	* 2.39	32.95	RMS	32	-17.7	0	47.25	54	-6.75	-	-	251	396	V
4	* 2.389406	33.05	RMS	32	-17.8	0	47.25	54	-6.75	-	-	251	396	V

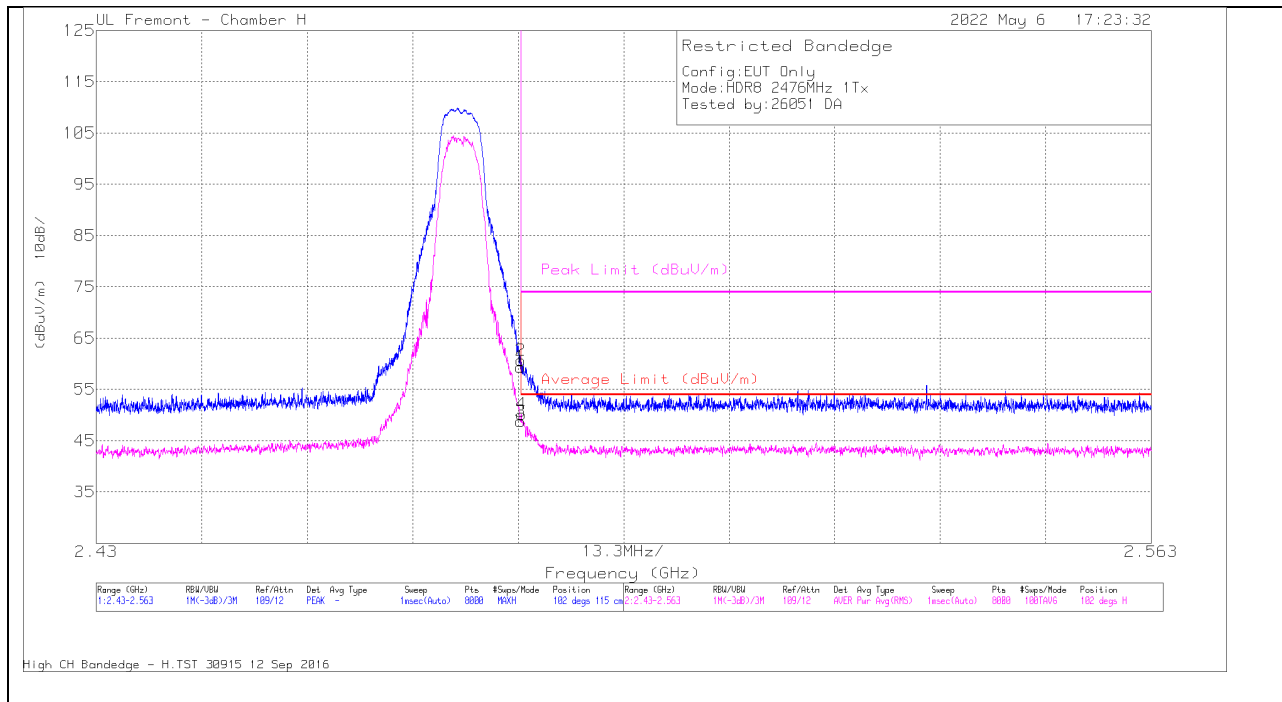
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



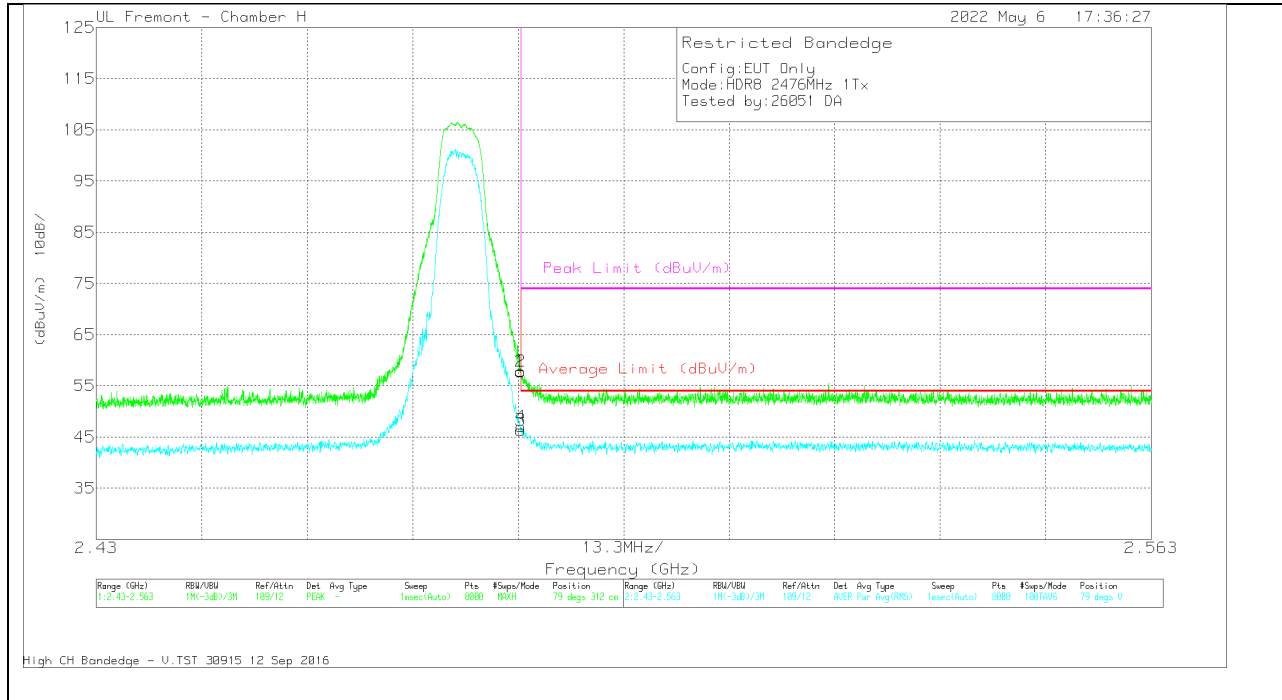
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	44.23	Pk	32.7	-17.6	0	59.33	-	-	74	-14.67	102	115	H
2	* 2.483539	45.55	Pk	32.7	-17.6	0	60.65	-	-	74	-13.35	102	115	H
3	* 2.4835	33.66	RMS	32.7	-17.6	0	48.76	54	-5.24	-	-	102	115	H
4	* 2.483589	35.06	RMS	32.7	-17.6	0	50.16	54	-3.84	-	-	102	115	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	42.68	Pk	32.7	-17.6	0	57.78	-	-	74	-16.22	79	312	V
2	* 2.483506	42.74	Pk	32.7	-17.6	0	57.84	-	-	74	-16.16	79	312	V
3	* 2.4835	31.25	RMS	32.7	-17.6	0	46.35	54	-7.65	-	-	79	312	V
4	* 2.483556	31.95	RMS	32.7	-17.6	0	47.05	54	-6.95	-	-	79	312	V

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

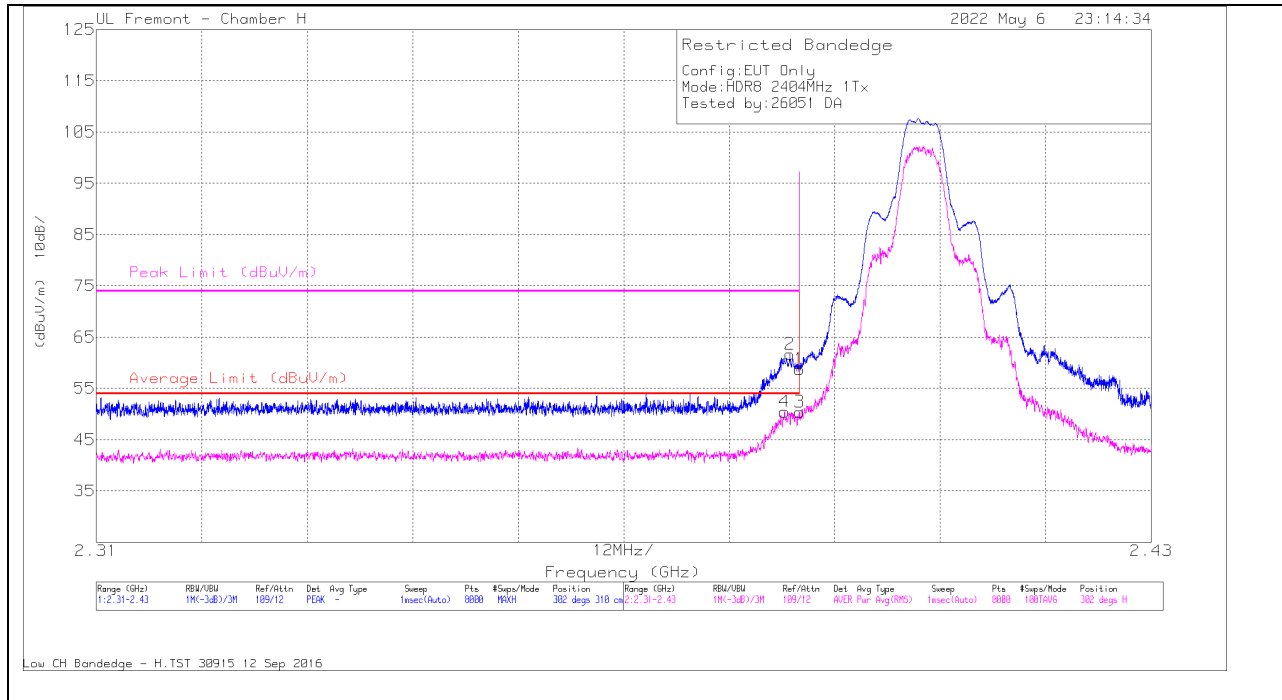
Pk - Peak detector

RMS - RMS detection

**ANT 3**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

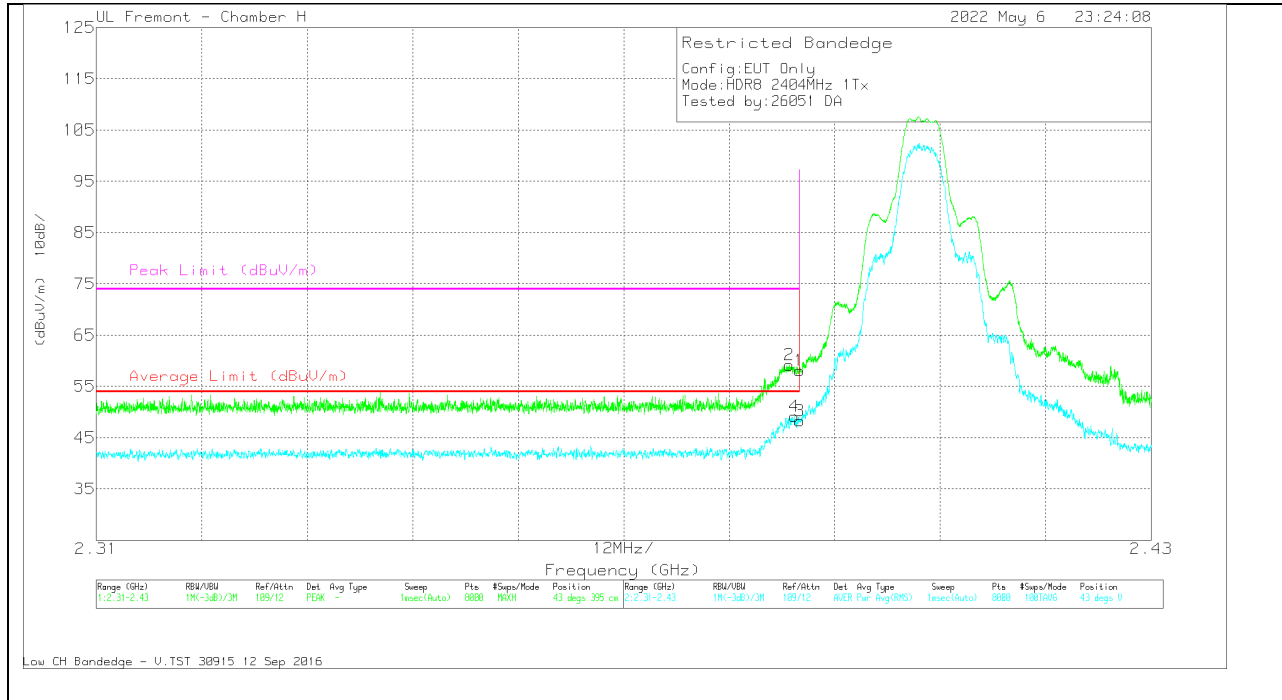


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.388295	36.25	RMS	32	-17.8	0	50.45	54	-3.55	-	-	302	310	H
2	* 2.388896	47.49	Pk	32	-17.8	0	61.69	-	-	74	-12.31	302	310	H
1	* 2.39	44.44	Pk	32	-17.7	0	58.74	-	-	74	-15.26	302	310	H
3	* 2.39	36.11	RMS	32	-17.7	0	50.41	54	-3.59	-	-	302	310	H

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



### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.8	Pk	32	-17.7	0	58.1	-	-	74	-15.9	43	395	V
2	* 2.388851	44.96	Pk	32	-17.8	0	59.16	-	-	74	-14.84	43	395	V
3	* 2.39	33.97	RMS	32	-17.7	0	48.27	54	-5.73	-	-	43	395	V
4	* 2.389376	34.94	RMS	32	-17.8	0	49.14	54	-4.86	-	-	43	395	V

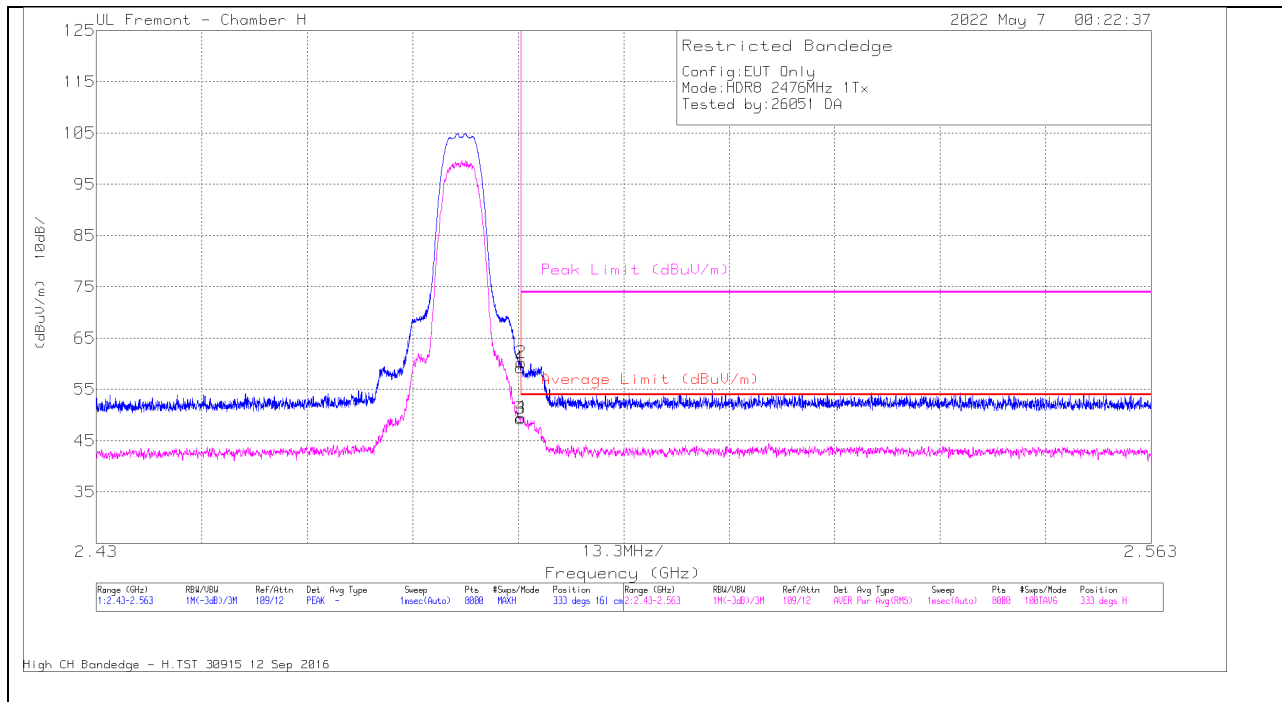
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



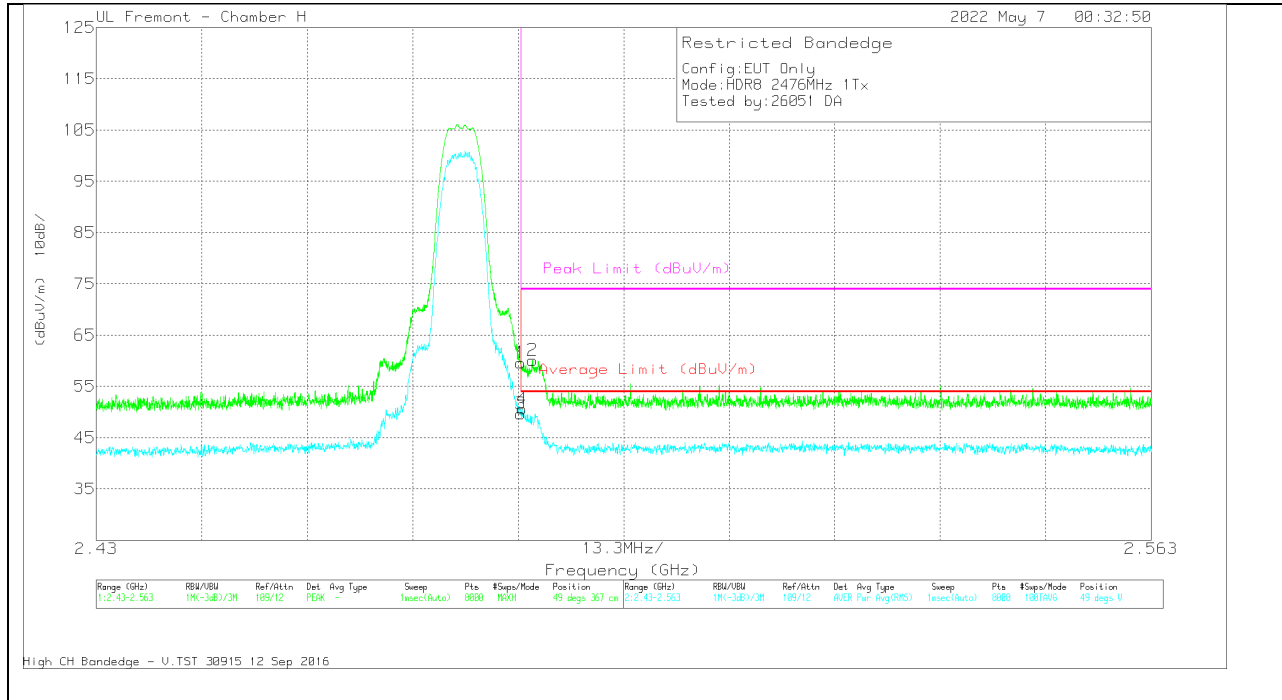
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	44.11	Pk	32.7	-17.6	0	59.21	-	-	74	-14.79	333	161	H
2	* 2.483572	45.12	Pk	32.7	-17.6	0	60.22	-	-	74	-13.78	333	161	H
3	* 2.4835	34.22	RMS	32.7	-17.6	0	49.32	54	-4.68	-	-	333	161	H
4	* 2.483522	34.46	RMS	32.7	-17.6	0	49.56	54	-4.44	-	-	333	161	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



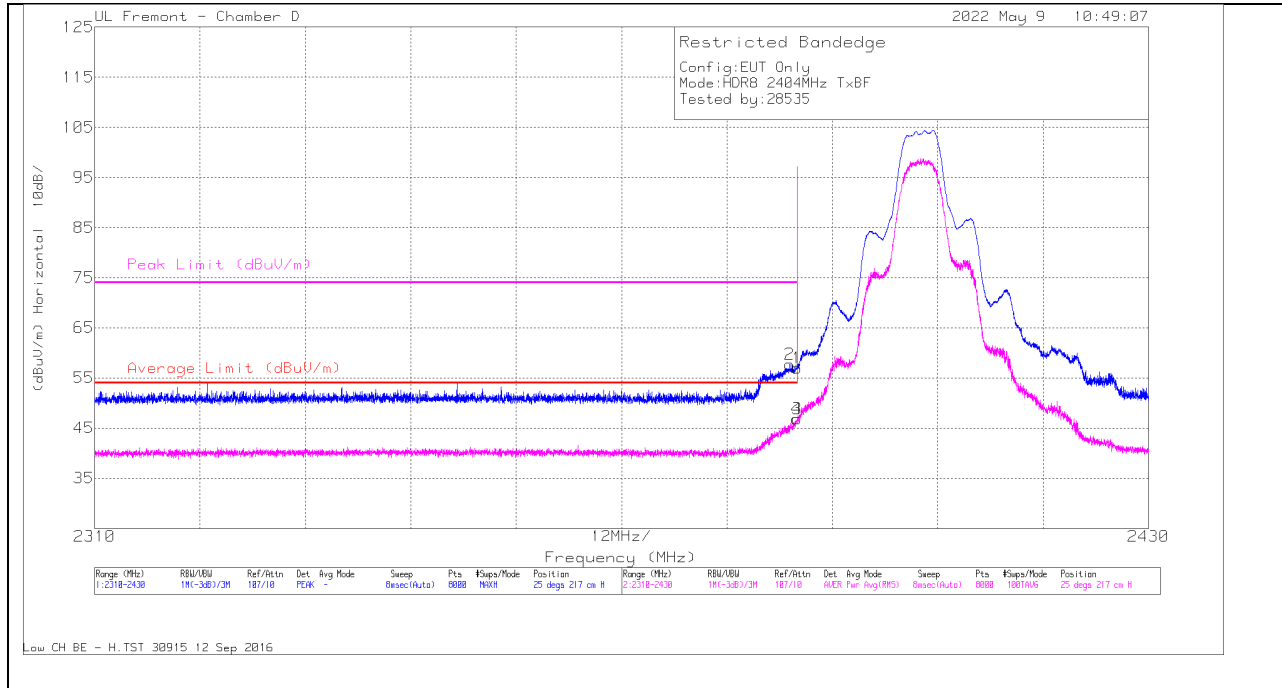
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	44.48	Pk	32.7	-17.6	59.58	-	-	74	-14.42	49	367	V
2	* 2.485002	45.1	Pk	32.7	-17.7	60.1	-	-	74	-13.9	49	367	V
3	* 2.4835	34.56	RMS	32.7	-17.6	49.66	54	-4.34	-	-	49	367	V
4	* 2.483672	35.52	RMS	32.7	-17.6	50.62	54	-3.38	-	-	49	367	V

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

**10.2.4. HIGH POWER HDR TXBF (HDR8)**

**BANDEDGE (LOW CHANNEL)**

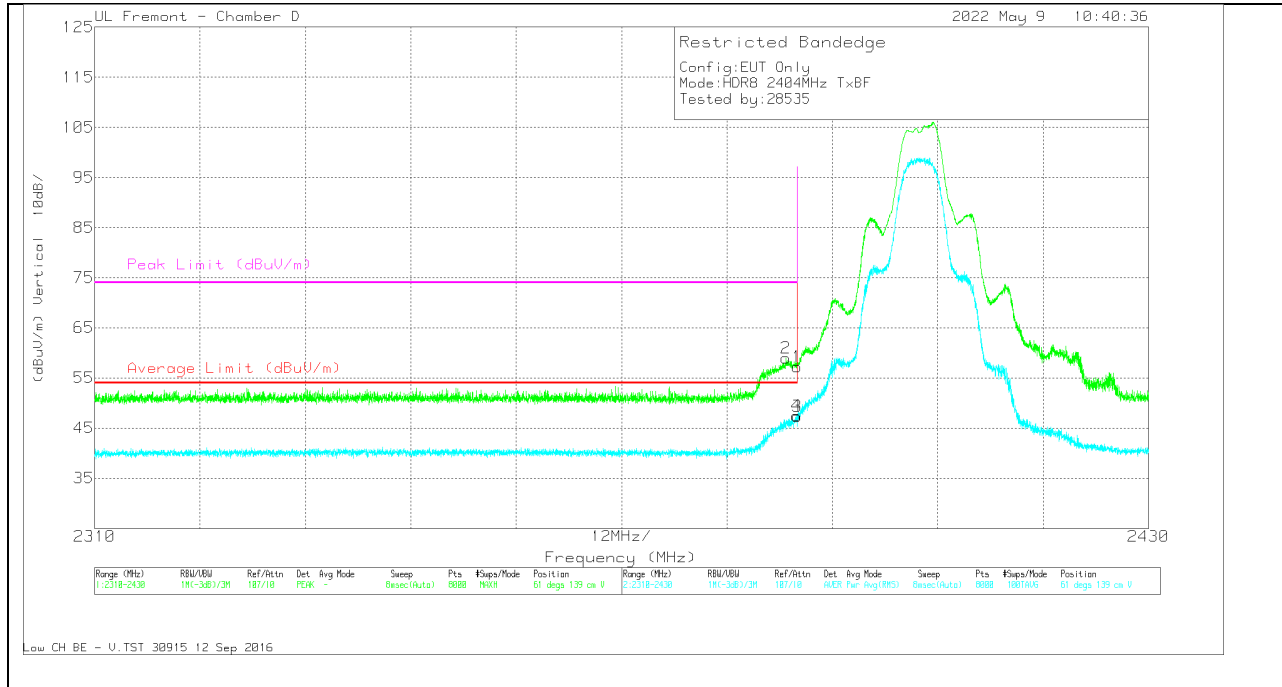
**HORIZONTAL RESULT**



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/C b/Filtr/ Pad (dB)	Correct ed Reading (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 2390	45.59	Pk	32.1	-20.7	56.99	-	-	74	-17.01	25	217	H
2	* 2389.121	46.36	Pk	32.1	-20.7	57.76	-	-	74	-16.24	25	217	H
3	* 2390	35.45	RMS	32.1	-20.7	46.85	54	-7.15	-	-	25	217	H
4	* 2389.961	35.48	RMS	32.1	-20.7	46.88	54	-7.12	-	-	25	217	H

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

### VERTICAL RESULT

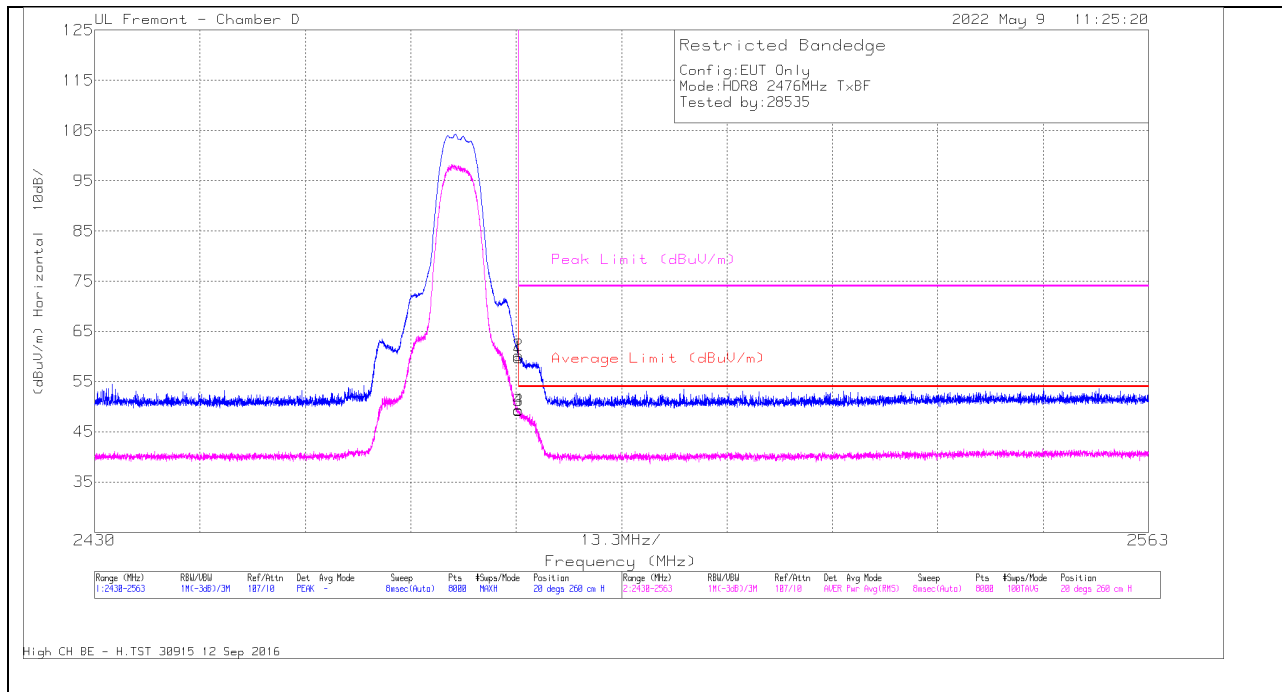


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbi/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	45.85	Pk	32.1	-20.7	57.25	-	-	74	-16.75	61	139	V
2	* 2388.715	47.62	Pk	32.1	-20.7	59.02	-	-	74	-14.98	61	139	V
3	* 2390	35.91	RMS	32.1	-20.7	47.31	54	-6.69	-	-	61	139	V
4	* 2389.946	36.12	RMS	32.1	-20.7	47.52	54	-6.48	-	-	61	139	V

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

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



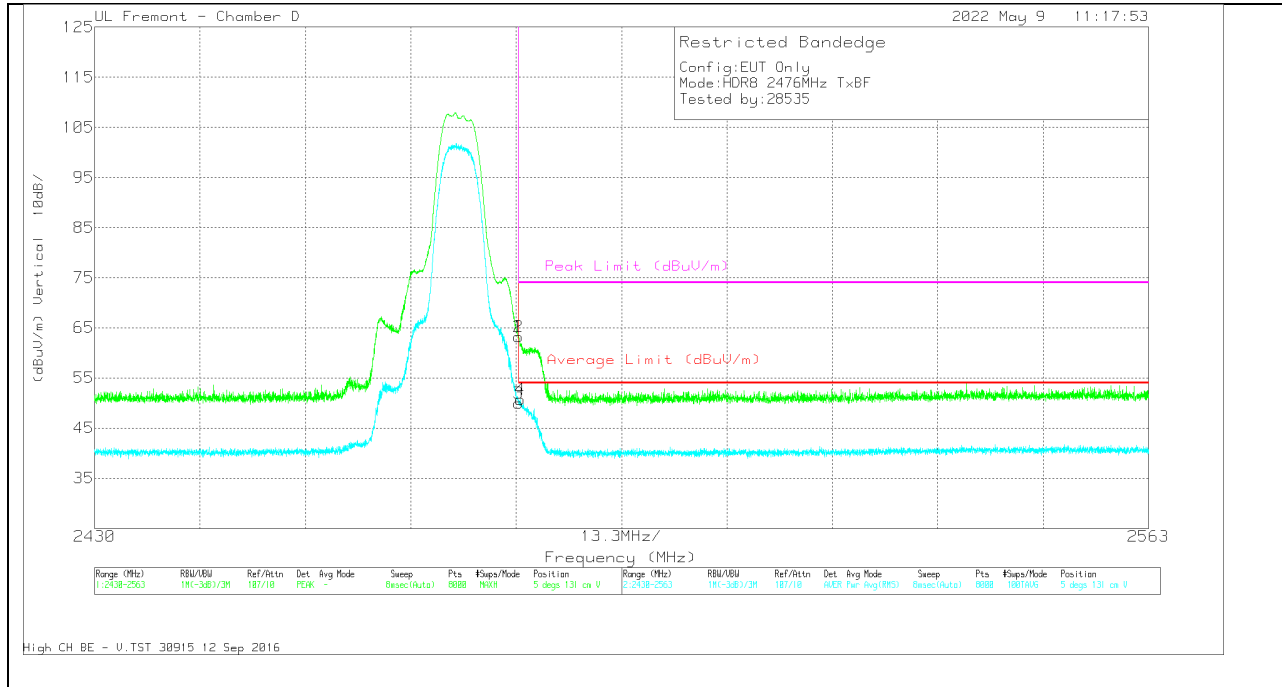
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	48.49	Pk	32	-20.7	59.79	-	-	74	-14.21	20	260	H
2	* 2483.522	48.89	Pk	32	-20.7	60.19	-	-	74	-13.81	20	260	H
3	* 2483.5	37.97	RMS	32	-20.7	49.27	54	-4.73	-	-	20	260	H
4	* 2483.522	38.03	RMS	32	-20.7	49.33	54	-4.67	-	-	20	260	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

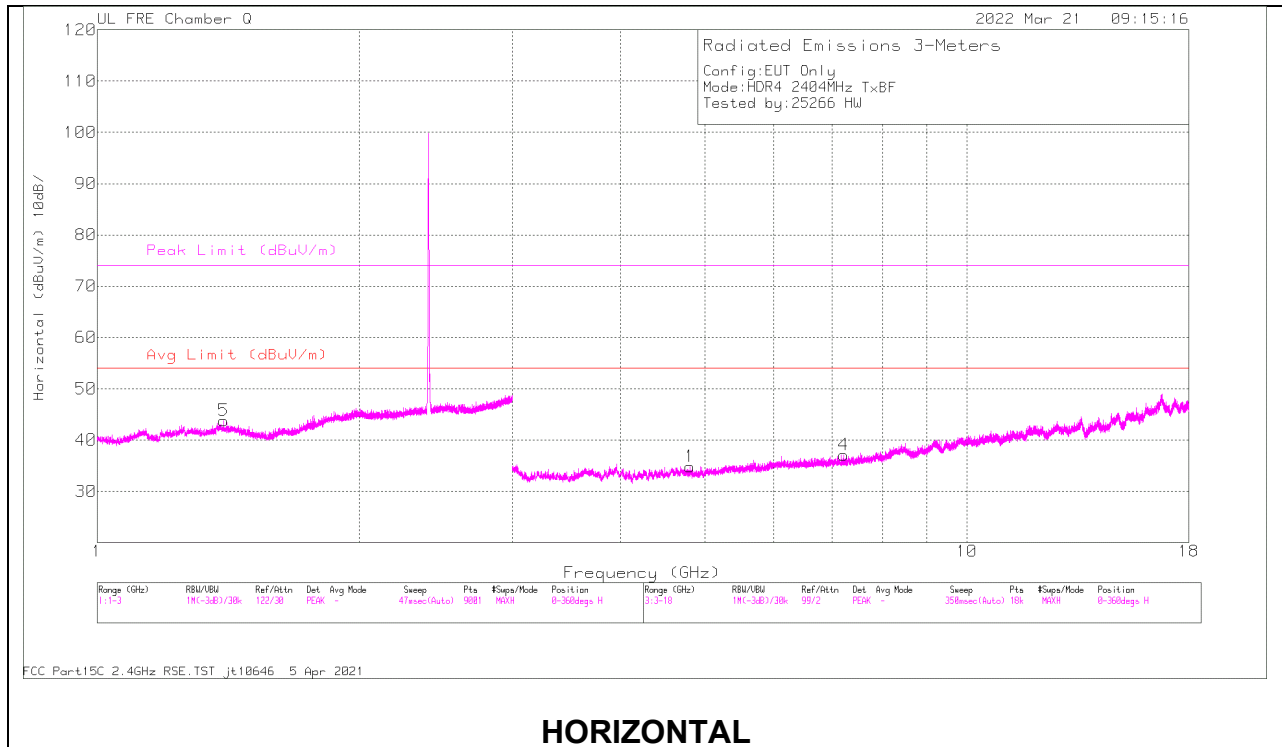


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200786 ACF (dB/m)	Amp/Cbi/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	51.92	Pk	32	-20.7	63.22	-	-	74	-10.78	5	131	V
2	* 2483.506	51.9	Pk	32	-20.7	63.2	-	-	74	-10.8	5	131	V
3	* 2483.5	38.65	RMS	32	-20.7	49.95	54	-4.05	-	-	5	131	V
4	* 2483.722	39.44	RMS	32	-20.7	50.74	54	-3.26	-	-	5	131	V

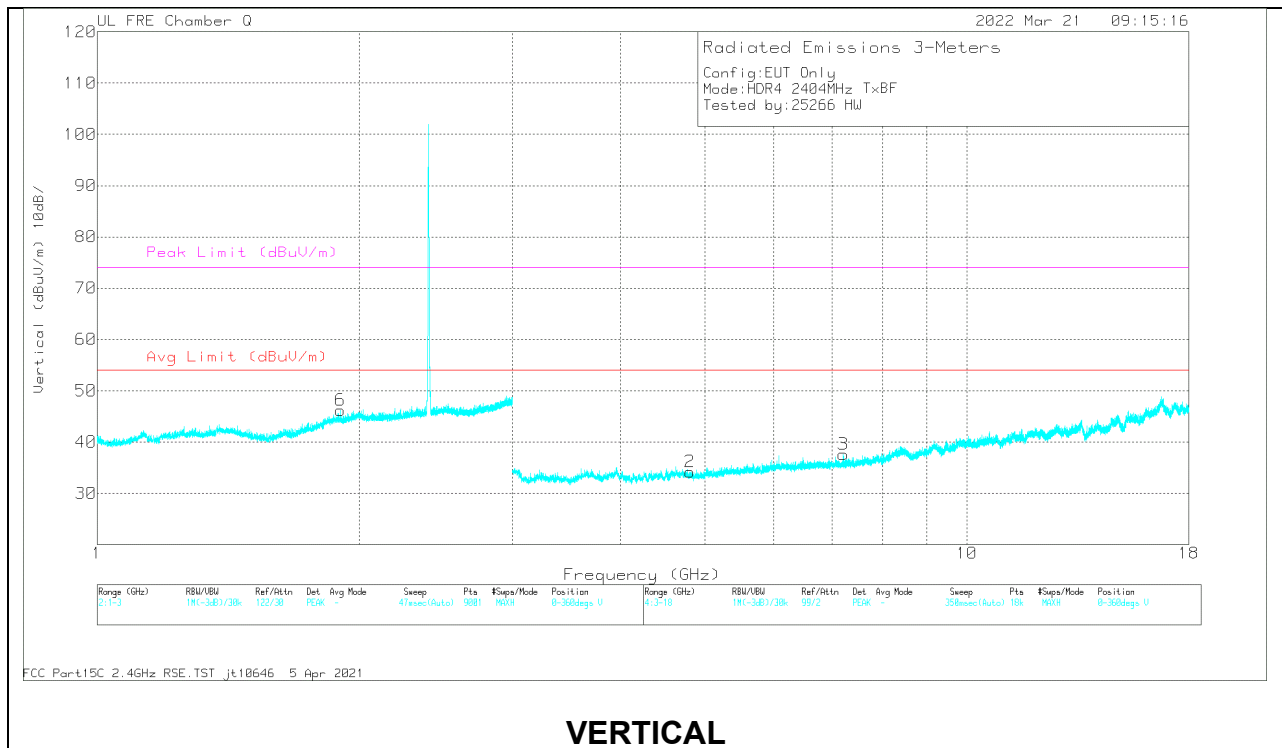
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### 10.2.5. HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**



### RADIATED EMISSIONS

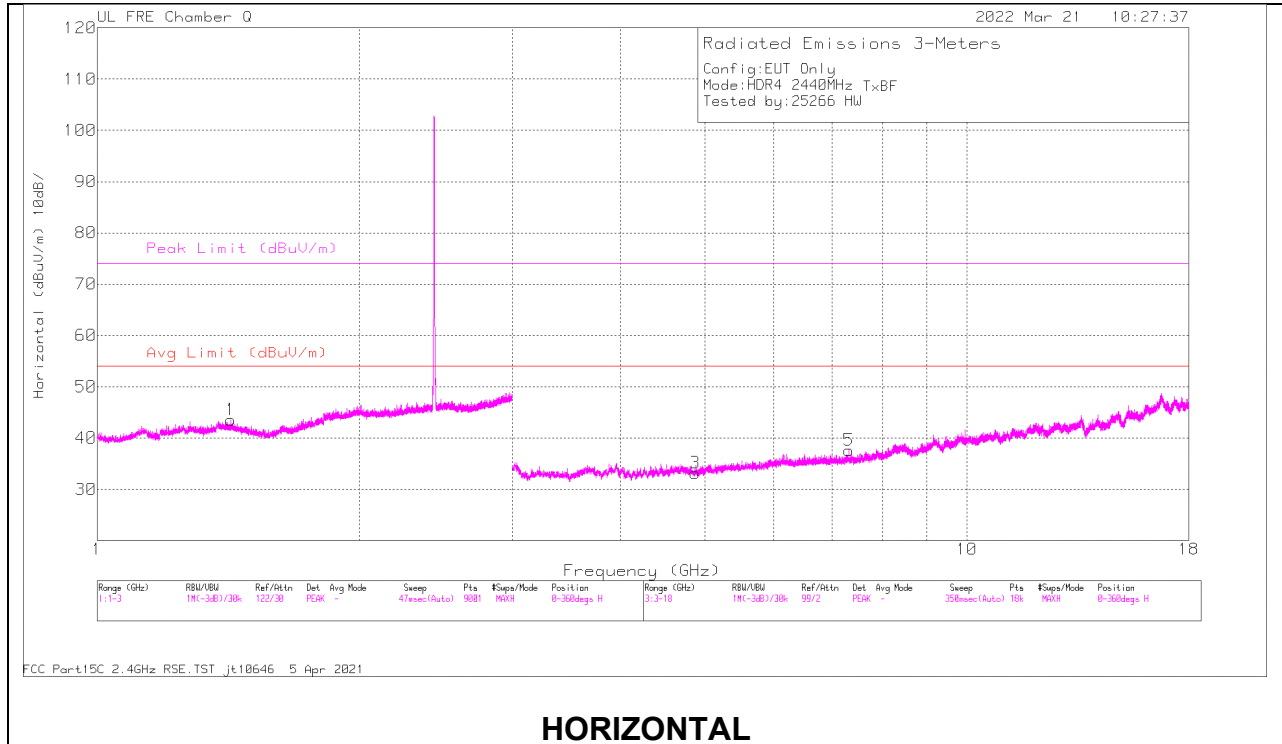
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	*1.398541	59.18	PK2	28.5	-35.1	52.58	-	-	74	-21.42	95	192	H
	1.398585	47.77	MAv1	28.5	-35.1	41.17	54	-12.83	-	-	95	192	H
6	1.902336	58.56	PK2	31	-34.6	54.96	-	-	-	-	260	304	V
	1.903187	46.72	MAv1	31	-34.7	43.02	-	-	-	-	260	304	V
2	*4.801414	50.95	PK2	34	-40.9	44.05	-	-	74	-29.95	297	234	V
	4.801138	38.85	MAv1	34	-40.9	31.95	54	-22.05	-	-	297	234	V
1	*4.807182	51.36	PK2	34	-40.9	44.46	-	-	74	-29.54	239	215	H
	4.806954	39.6	MAv1	34	-40.9	32.7	54	-21.3	-	-	239	215	H
4	7.211118	49.98	PK2	35.7	-38	47.68	-	-	-	-	89	266	H
	7.211477	37.79	MAv1	35.7	-38	35.49	-	-	-	-	89	266	H
3	7.211395	48.69	PK2	35.7	-38	46.39	-	-	-	-	297	248	V
	7.212558	36.95	MAv1	35.7	-38	34.65	-	-	-	-	297	248	V

PK2 - KDB558074 Method: Maximum Peak

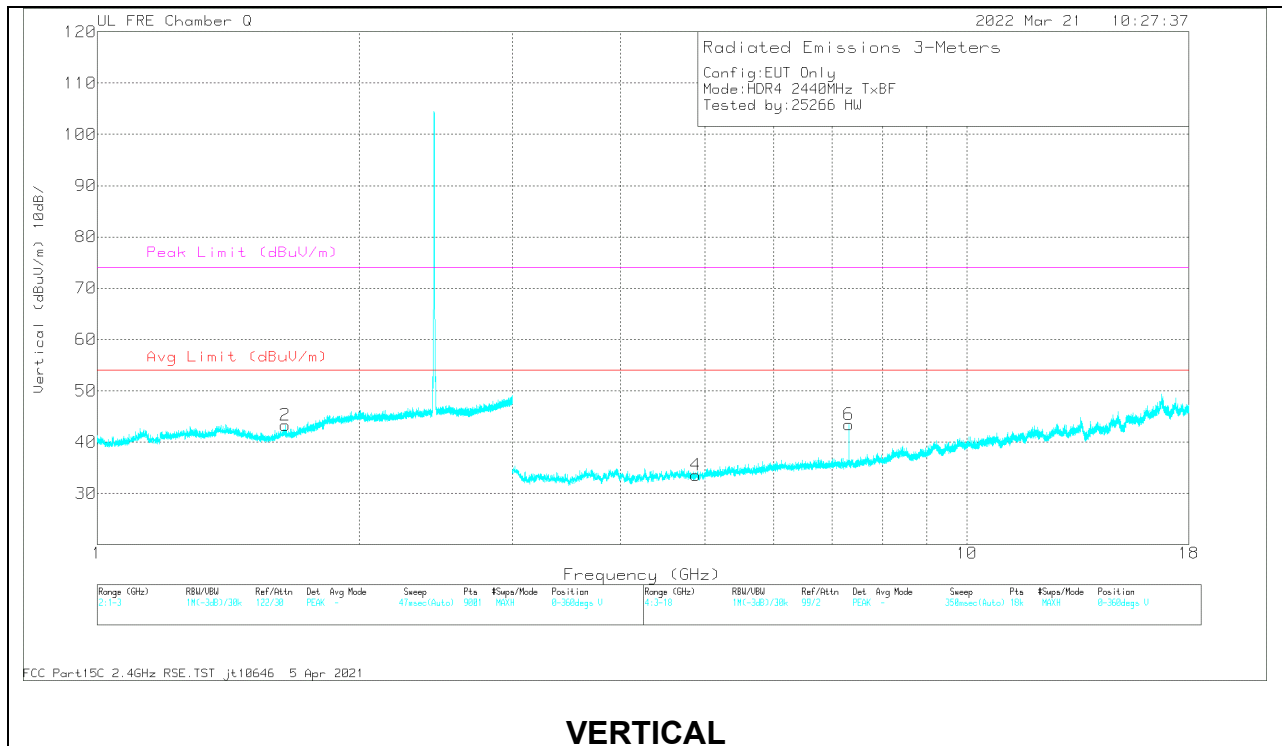
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

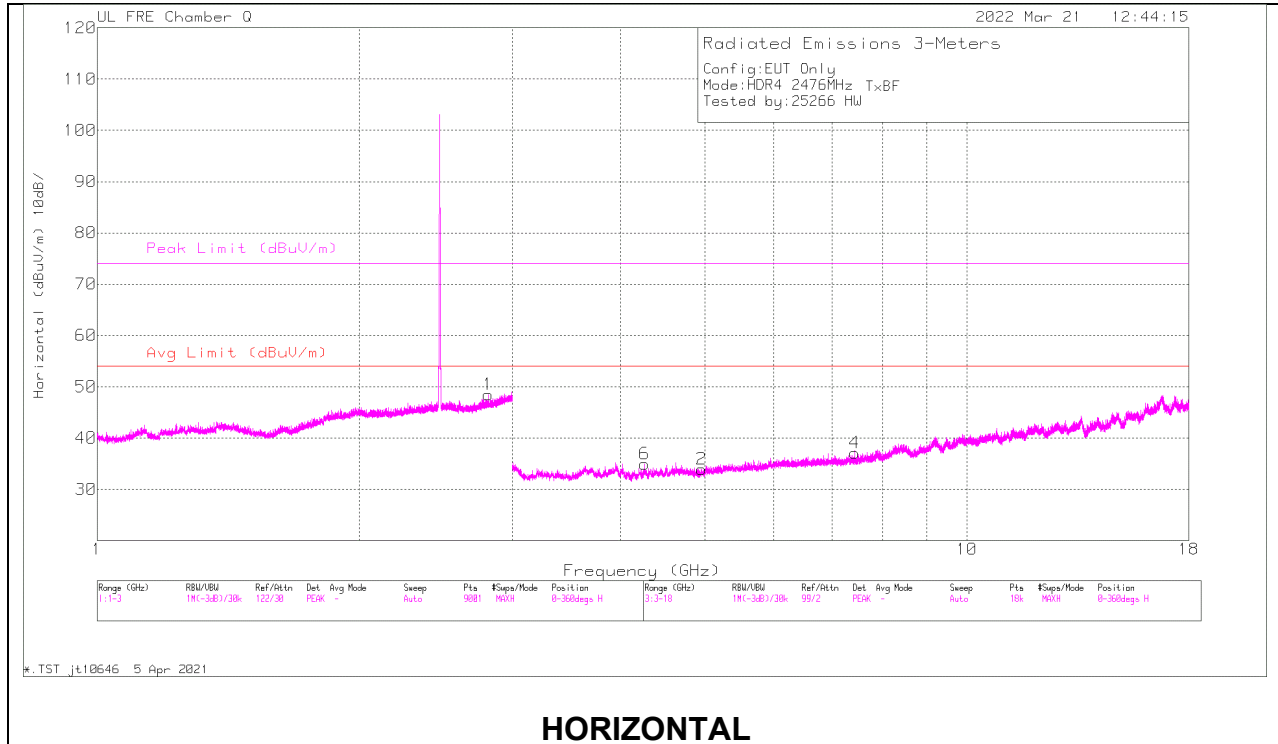
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.424514	59.19	PK2	28.4	-35.1	52.49	-	-	74	-21.51	108	252	H
	1.422647	47.78	MAv1	28.4	-35.1	41.08	54	-12.92	-	-	108	252	H
2	*1.646873	58.99	PK2	28.7	-35.1	52.59	-	-	-	-	281	348	V
	1.647584	46.75	MAv1	28.7	-35.1	40.35	-	-	-	-	281	348	V
3	*4.870191	51.26	PK2	33.9	-41.1	44.06	-	-	74	-29.94	95	395	H
	4.87141	38.98	MAv1	33.9	-41.1	31.78	54	-22.22	-	-	95	395	H
4	*4.880679	51.37	PK2	33.9	-41.4	43.87	-	-	74	-30.13	20	208	V
	4.879592	39.65	MAv1	33.9	-41.3	32.25	54	-21.75	-	-	20	208	V
6	*7.319579	51.04	PK2	35.7	-37.7	49.04	-	-	74	-24.96	169	114	V
	7.320354	40.35	MAv1	35.7	-37.7	38.35	54	-15.65	-	-	169	114	V
5	*7.320719	50.35	PK2	35.7	-37.7	48.35	-	-	74	-25.65	340	248	H
	7.320392	38.89	MAv1	35.7	-37.7	36.89	54	-17.11	-	-	340	248	H

PK2 - KDB558074 Method: Maximum Peak

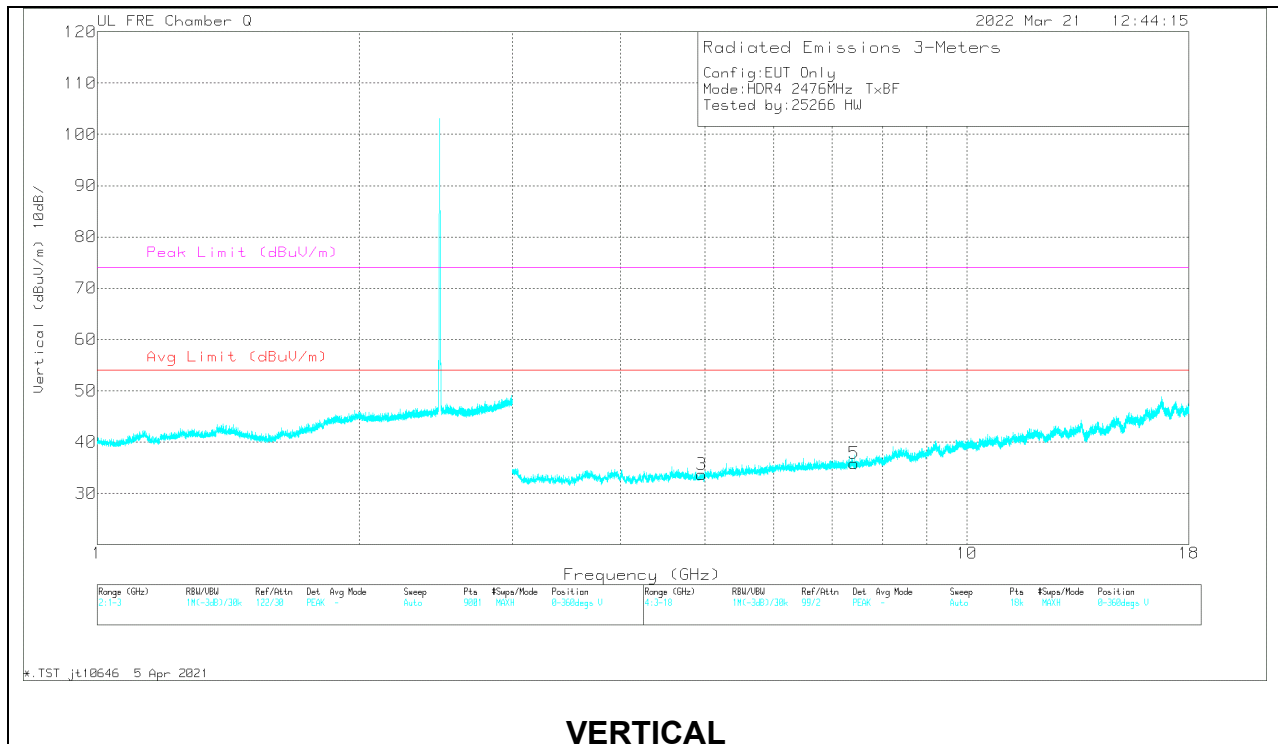
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 200895 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.817726	58.32	PK2	32.2	-33.8	56.72	-	-	74	-17.28	219	231	H
	2.819324	46.92	MAv1	32.2	-33.9	45.22	54	-8.78	-	-	219	231	H
6	4.262559	51.28	PK2	33.4	-41.2	43.48	-	-	74	-30.52	189	146	H
	4.264137	39.75	MAv1	33.4	-41.2	31.95	54	-22.05	-	-	189	146	H
3	4.95151	51.17	PK2	33.9	-41.5	43.57	-	-	74	-30.43	264	189	V
	4.952006	39.91	MAv1	33.9	-41.4	32.41	54	-21.59	-	-	264	189	V
2	4.952464	51.58	PK2	33.9	-41.4	44.08	-	-	74	-29.92	40	180	H
	4.951513	39.96	MAv1	33.9	-41.5	32.36	54	-21.64	-	-	40	180	H
5	7.427194	49.29	PK2	35.7	-37.7	47.29	-	-	74	-26.71	338	162	V
	7.427174	38.1	MAv1	35.7	-37.7	36.1	54	-17.9	-	-	338	162	V
4	7.428541	48.38	PK2	35.7	-37.7	46.38	-	-	74	-27.62	274	104	H
	7.428085	37.18	MAv1	35.7	-37.7	35.18	54	-18.82	-	-	274	104	H

PK2 - KDB558074 Method: Maximum Peak

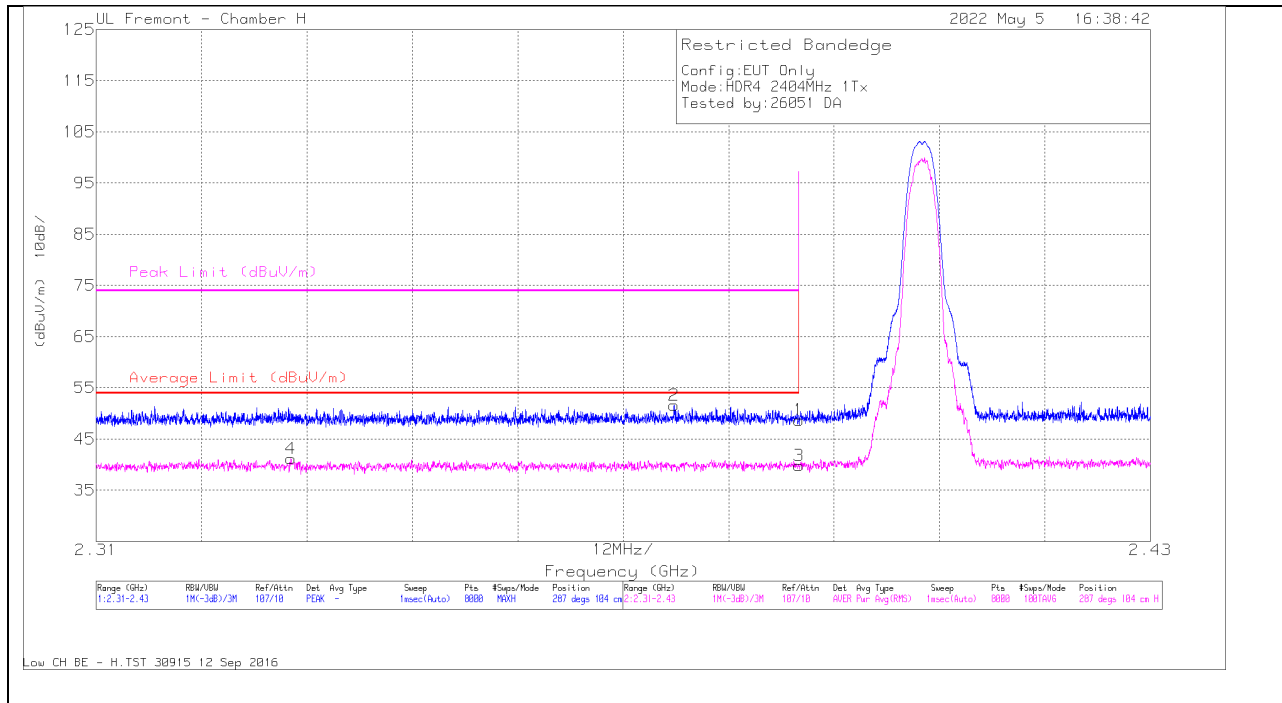
MAv1 - KDB558074 Option 1 Maximum RMS Average

**10.2.6. LOW POWER HDR (HDR4)**

**ANT 4**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



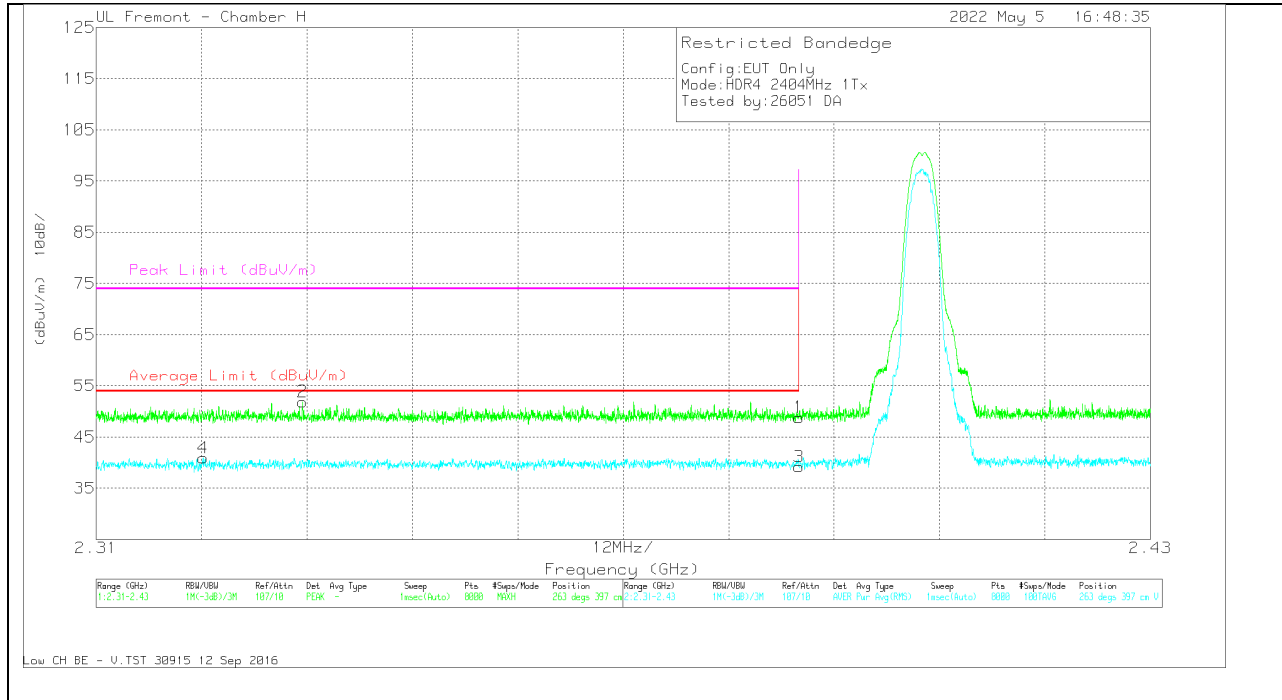
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.41	Pk	32	-27.7	0	48.71	-	-	74	-25.29	287	104	H
2	* 2.375784	47.18	Pk	32	-27.6	0	51.58	-	-	74	-22.42	287	104	H
3	* 2.39	35.51	RMS	32	-27.7	0	39.81	54	-14.19	-	-	287	104	H
4	* 2.332173	36.85	RMS	31.9	-27.6	0	41.15	54	-12.85	-	-	287	104	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.52	Pk	32	-27.7	0	48.82	-	-	74	-25.18	263	397	V
2	* 2.333493	47.67	Pk	31.9	-27.7	0	51.87	-	-	74	-22.13	263	397	V
3	* 2.39	34.9	RMS	32	-27.7	0	39.2	54	-14.8	-	-	263	397	V
4	* 2.322182	36.7	RMS	31.9	-27.7	0	40.9	54	-13.1	-	-	263	397	V

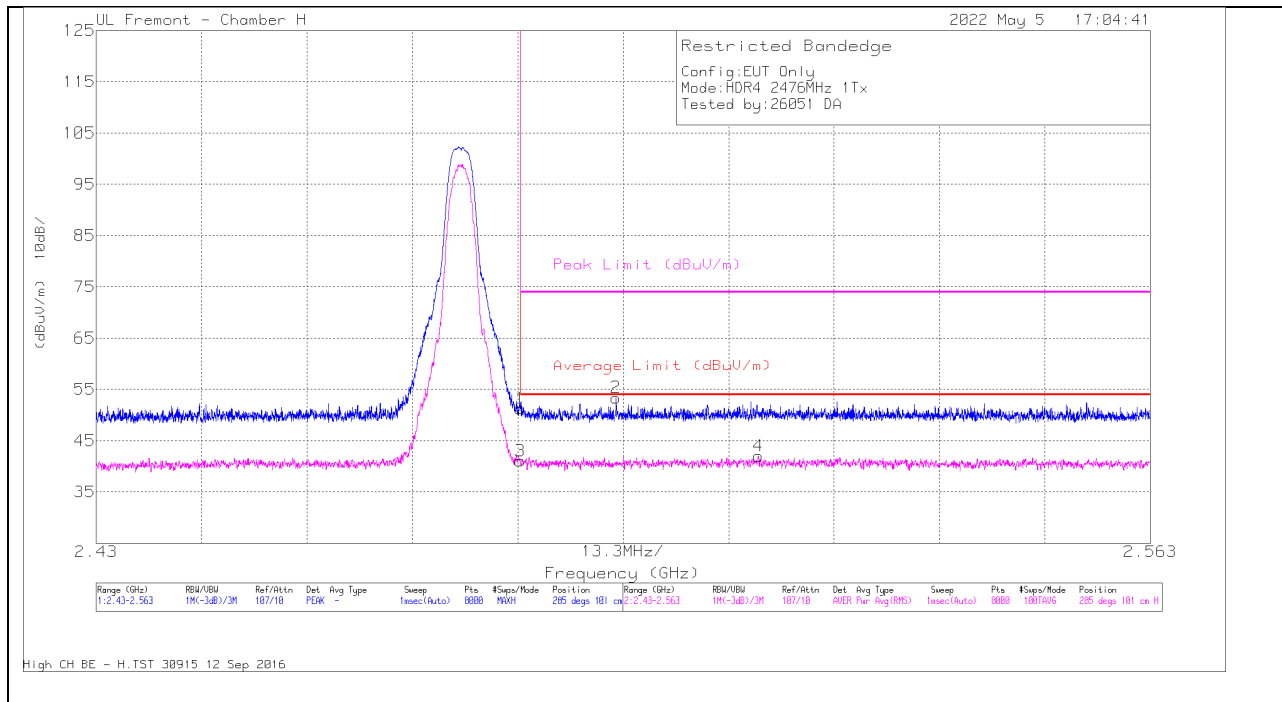
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	46.32	Pk	32.7	-27.8	0	51.22	-	-	74	-22.78	285	101	H
2	* 2.495594	48.58	Pk	32.7	-27.9	0	53.38	-	-	74	-20.62	285	101	H
3	* 2.4835	36.13	RMS	32.7	-27.8	0	41.03	54	-12.97	-	-	285	101	H
4	2.513534	36.99	RMS	32.8	-27.8	0	41.99	54	-12.01	-	-	285	101	H

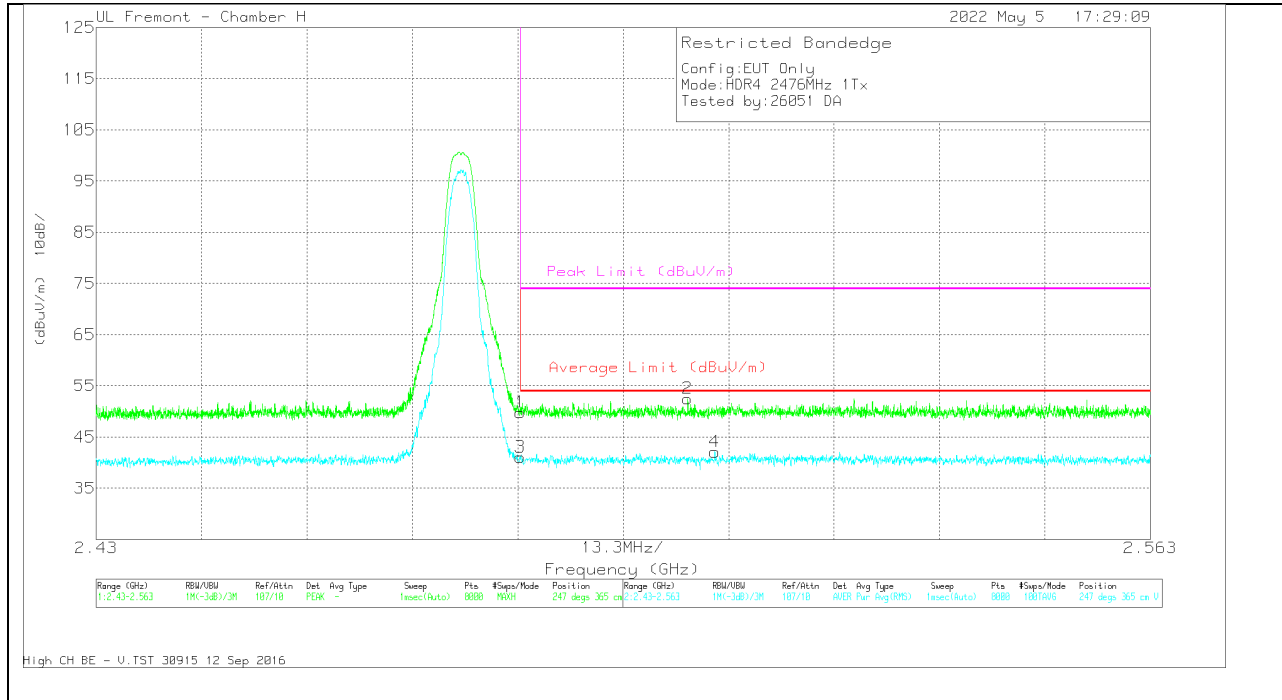
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	44.91	Pk	32.7	-27.8	0	49.81	-	-	74	-24.19	247	365	V
3	* 2.4835	36.19	RMS	32.7	-27.8	0	41.09	54	-12.91	-	-	247	365	V
2	2.504622	47.61	Pk	32.8	-27.9	0	52.51	-	-	74	-21.49	247	365	V
4	2.508047	37.2	RMS	32.8	-27.9	0	42.1	54	-11.9	-	-	247	365	V

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

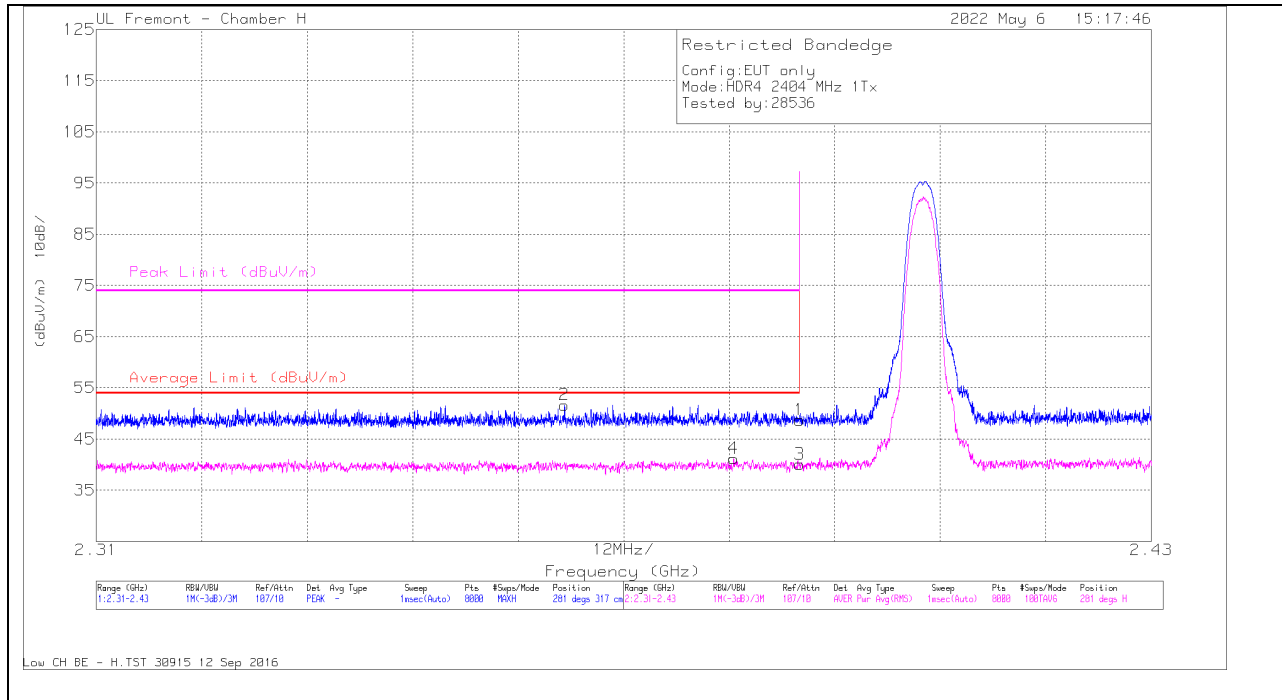
Pk - Peak detector

RMS - RMS detection

**ANT 3**

**BANDEDGE (LOW CHANNEL)**

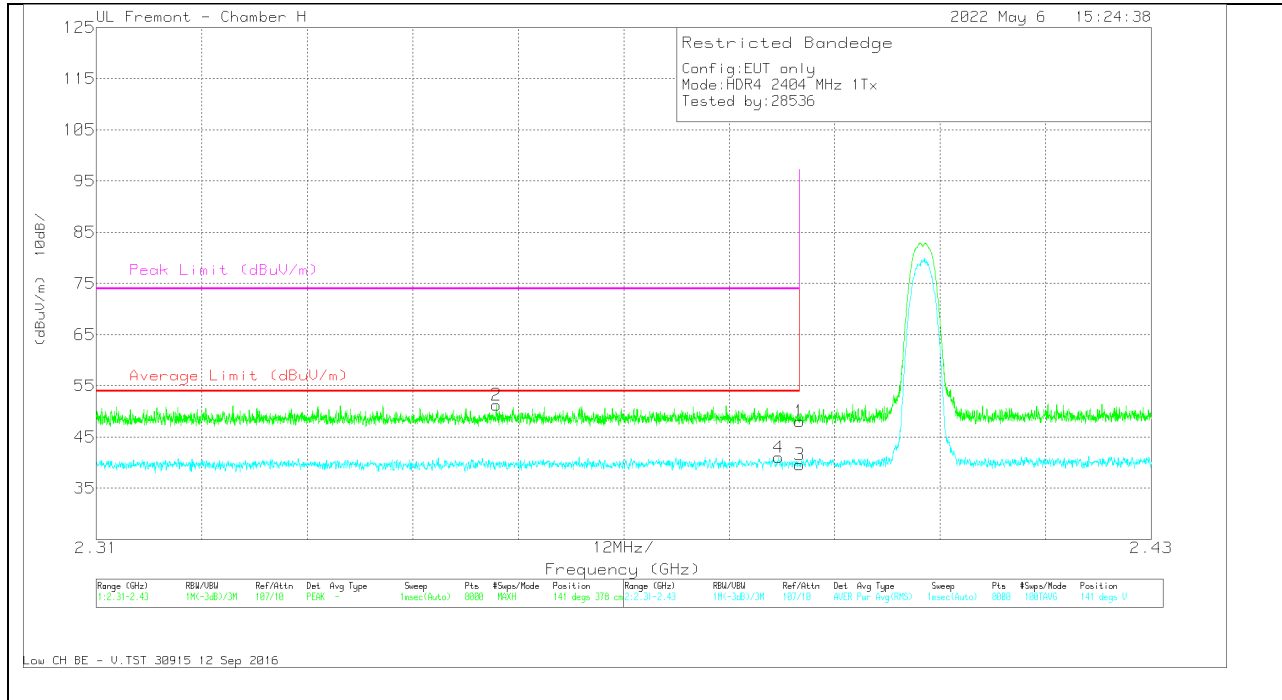
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (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	44.43	Pk	32	-27.7	48.73	-	-	74	-25.27	281	317	H
2	* 2.363257	47.46	Pk	31.9	-27.7	51.66	-	-	74	-22.34	281	317	H
3	* 2.39	35.77	RMS	32	-27.7	40.07	54	-13.93	-	-	281	317	H
4	* 2.38249	37.01	RMS	32	-27.8	41.21	54	-12.79	-	-	281	317	H

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

### VERTICAL RESULT



Marker	Frequency(G Hz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin(dB)	Peak Limit (dBuV/m)	PK Margin(dB)	Azimuth(Degs)	Height(cm)	Polarit y
2	* 2.355501	47.05	Pk	31.9	-27.7	51.25	-	-	74	-22.75	141	378	V
4	* 2.387605	36.83	RMS	32	-27.8	41.03	54	-12.97	-	-	141	378	V
1	* 2.39	43.75	Pk	32	-27.7	48.05	-	-	74	-25.95	141	378	V
3	* 2.39	35.3	RMS	32	-27.7	39.6	54	-14.4	-	-	141	378	V

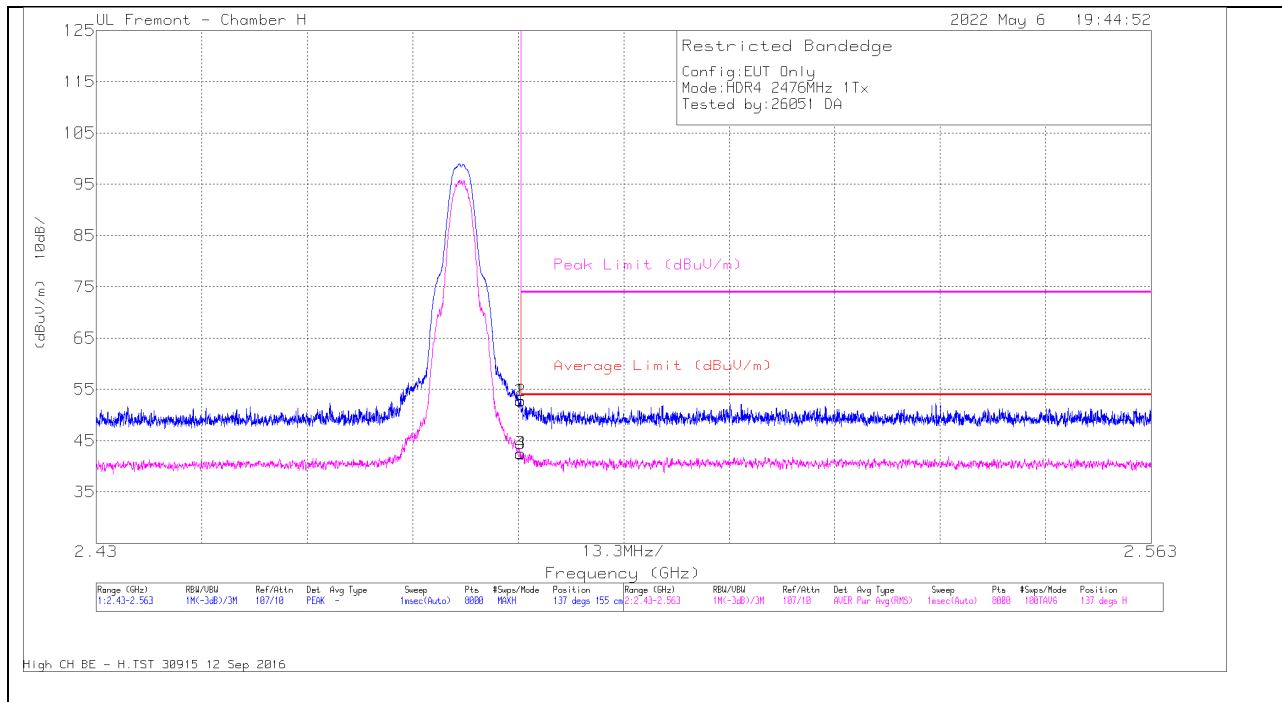
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



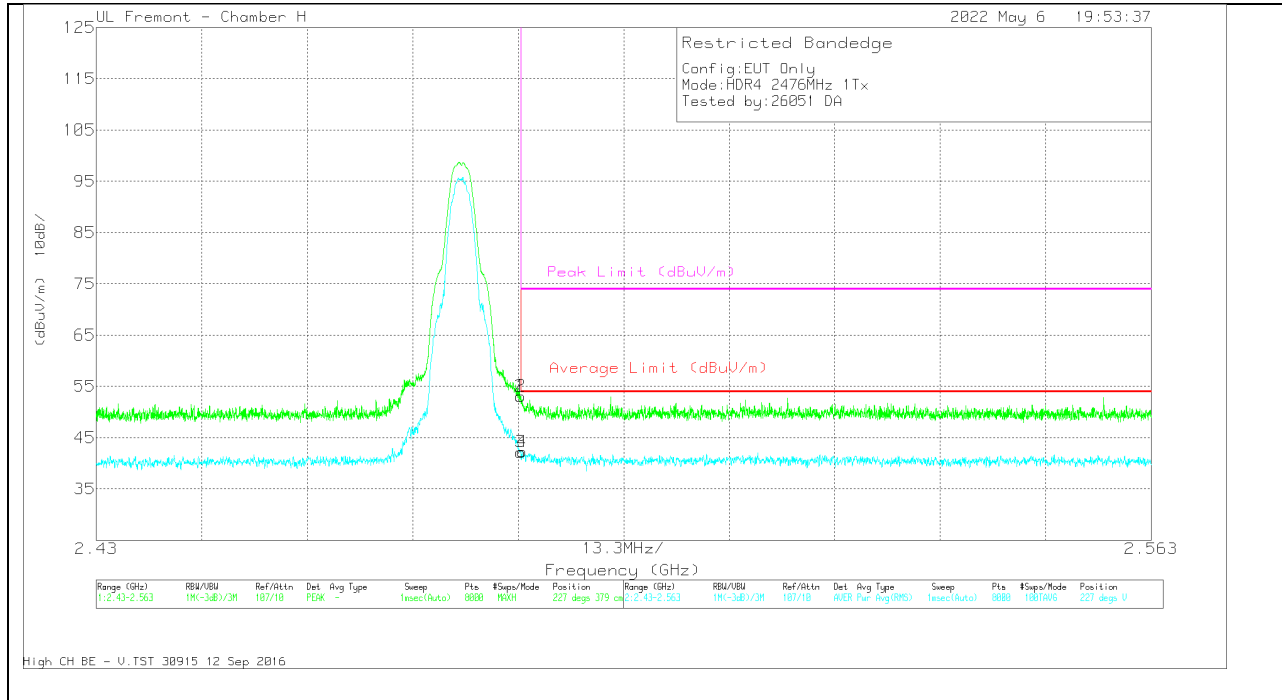
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	47.93	Pk	32.7	-27.8	0	52.83	-	-	74	-21.17	137	155	H
2	* 2.483506	47.86	Pk	32.7	-27.8	0	52.76	-	-	74	-21.24	137	155	H
3	* 2.4835	37.64	RMS	32.7	-27.8	0	42.54	54	-11.46	-	-	137	155	H
4	* 2.483506	37.56	RMS	32.7	-27.8	0	42.46	54	-11.54	-	-	137	155	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	48.22	Pk	32.7	-27.8	0	53.12	-	-	74	-20.88	227	379	V
2	* 2.483506	48.21	Pk	32.7	-27.8	0	53.11	-	-	74	-20.89	227	379	V
3	* 2.4835	37.3	RMS	32.7	-27.8	0	42.2	54	-11.8	-	-	227	379	V
4	* 2.483672	37.34	RMS	32.7	-27.8	0	42.24	54	-11.76	-	-	227	379	V

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

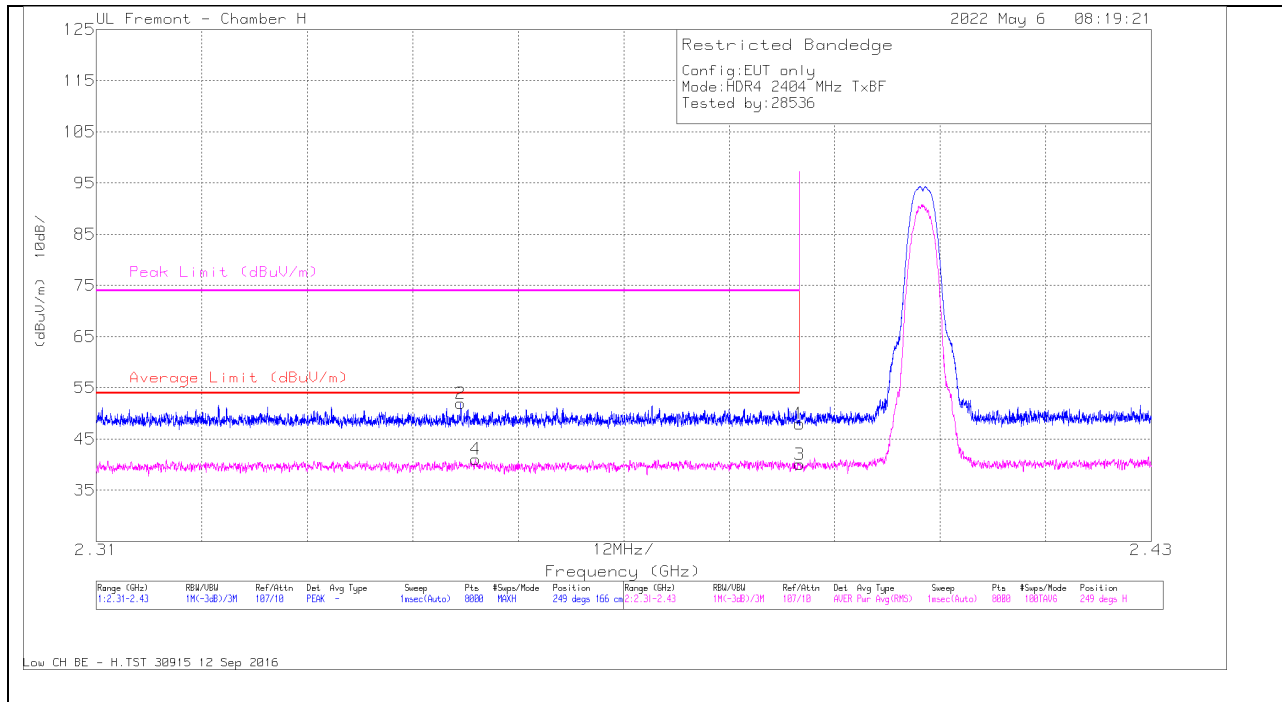
Pk - Peak detector

RMS - RMS detection

**10.2.7. LOW POWER HDR TXBF (HDR4)**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



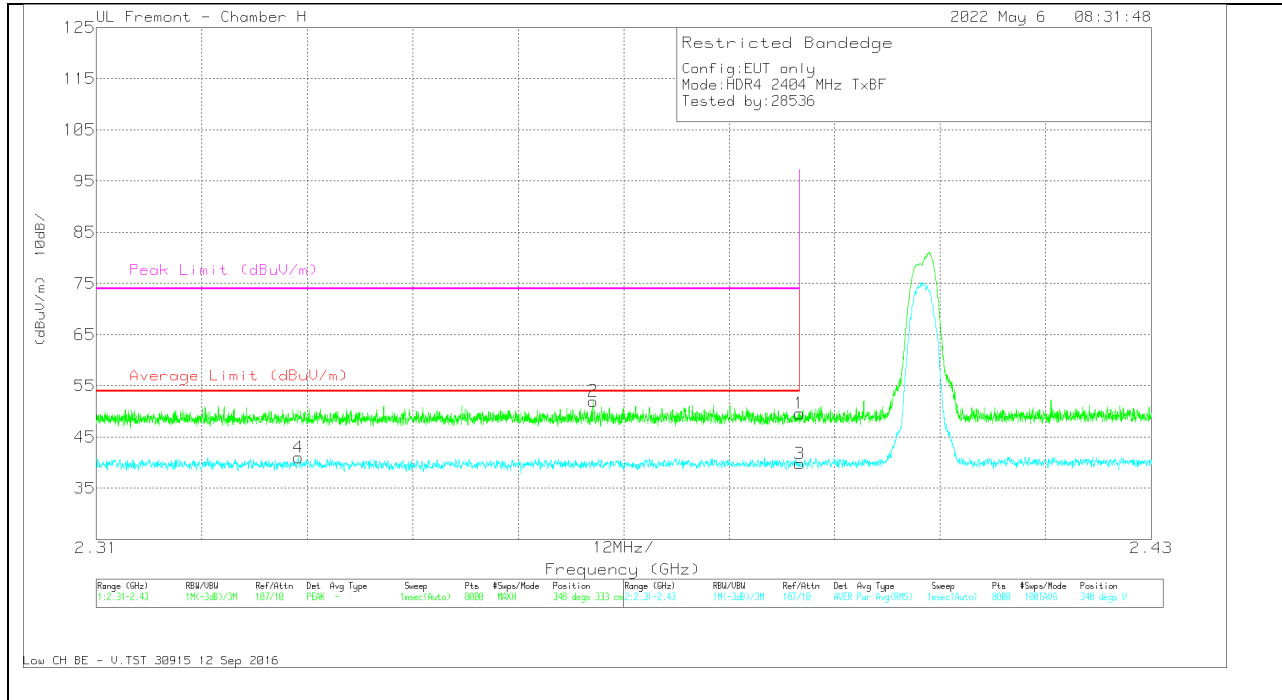
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 2.39	43.69	Pk	32	-27.7	47.99	-	-	74	-26.01	249	166	H
2	* 2.351451	47.74	Pk	31.9	-27.7	51.94	-	-	74	-22.06	249	166	H
3	* 2.39	35.76	RMS	32	-27.7	40.06	54	-13.94	-	-	249	166	H
4	* 2.353161	36.87	RMS	31.9	-27.7	41.07	54	-12.93	-	-	249	166	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

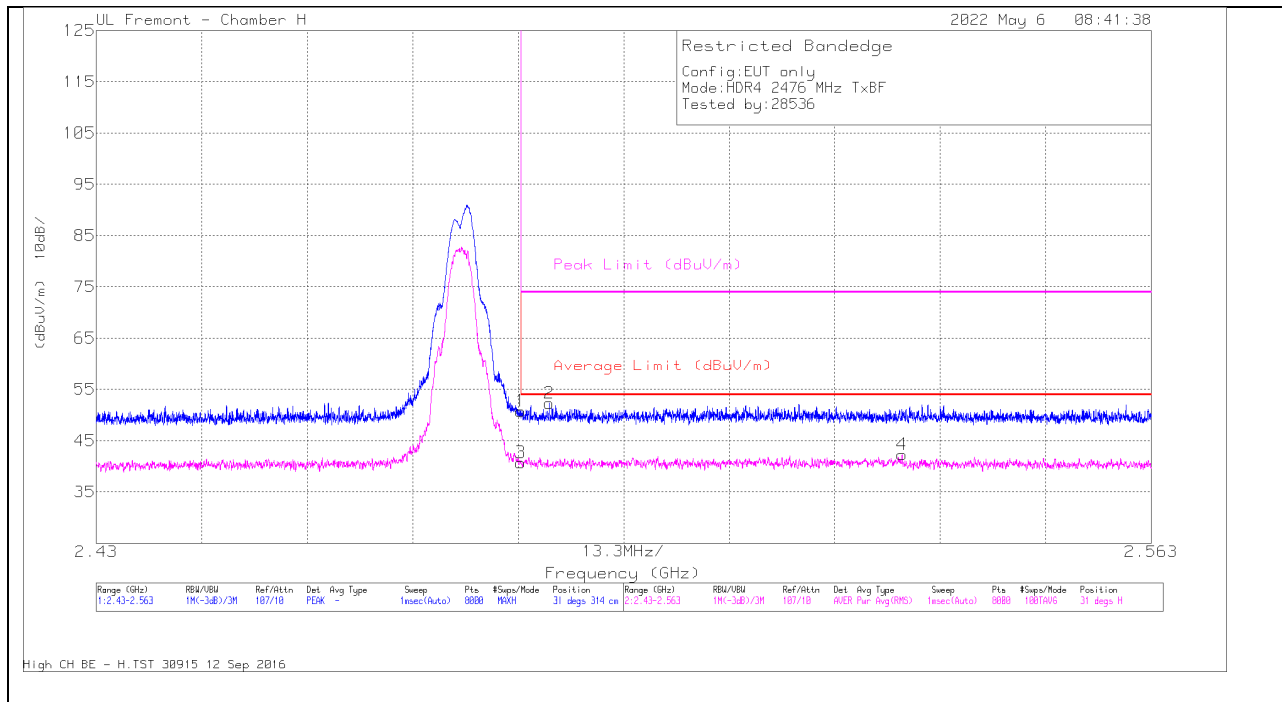


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.332983	36.81	RMS	31.9	-27.7	41.01	54	-12.99	-	-	348	333	V
2	* 2.366513	47.81	Pk	31.9	-27.7	52.01	-	-	74	-21.99	348	333	V
1	* 2.39	45.29	Pk	32	-27.7	49.59	-	-	74	-24.41	348	333	V
3	* 2.39	35.51	RMS	32	-27.7	39.81	54	-14.19	-	-	348	333	V

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

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbi/Pad (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	45.89	Pk	32.7	-27.8	50.79	-	-	74	-23.21	31	314	H
3	* 2.4835	35.81	RMS	32.7	-27.8	40.71	54	-13.29	-	-	31	314	H
2	* 2.487097	47.4	Pk	32.7	-27.8	52.3	-	-	74	-21.7	31	314	H
4	2.531591	37.48	RMS	32.7	-27.9	42.28	54	-11.72	-	-	31	314	H

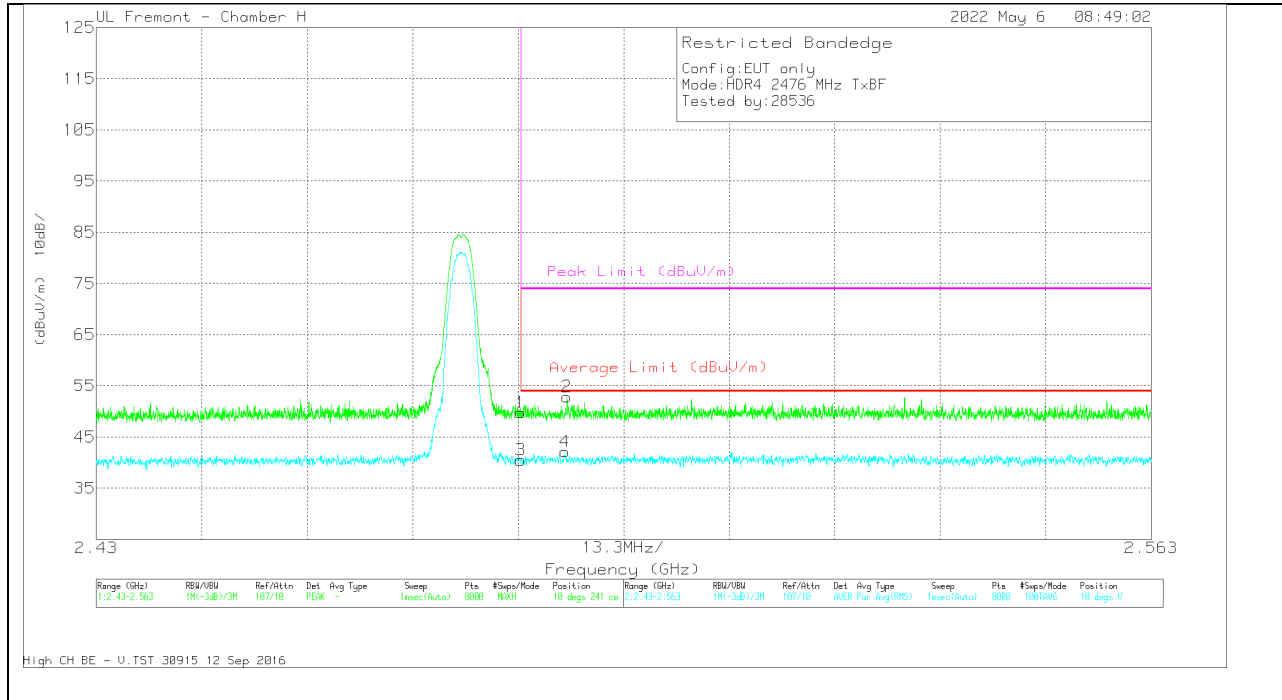
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (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	44.83	Pk	32.7	-27.8	49.73	-	-	74	-24.27	10	241	V
2	* 2.489325	47.93	Pk	32.7	-27.8	52.83	-	-	74	-21.17	10	241	V
3	* 2.4835	35.61	RMS	32.7	-27.8	40.51	54	-13.49	-	-	10	241	V
4	* 2.489076	37.23	RMS	32.7	-27.8	42.13	54	-11.87	-	-	10	241	V

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

Pk - Peak detector

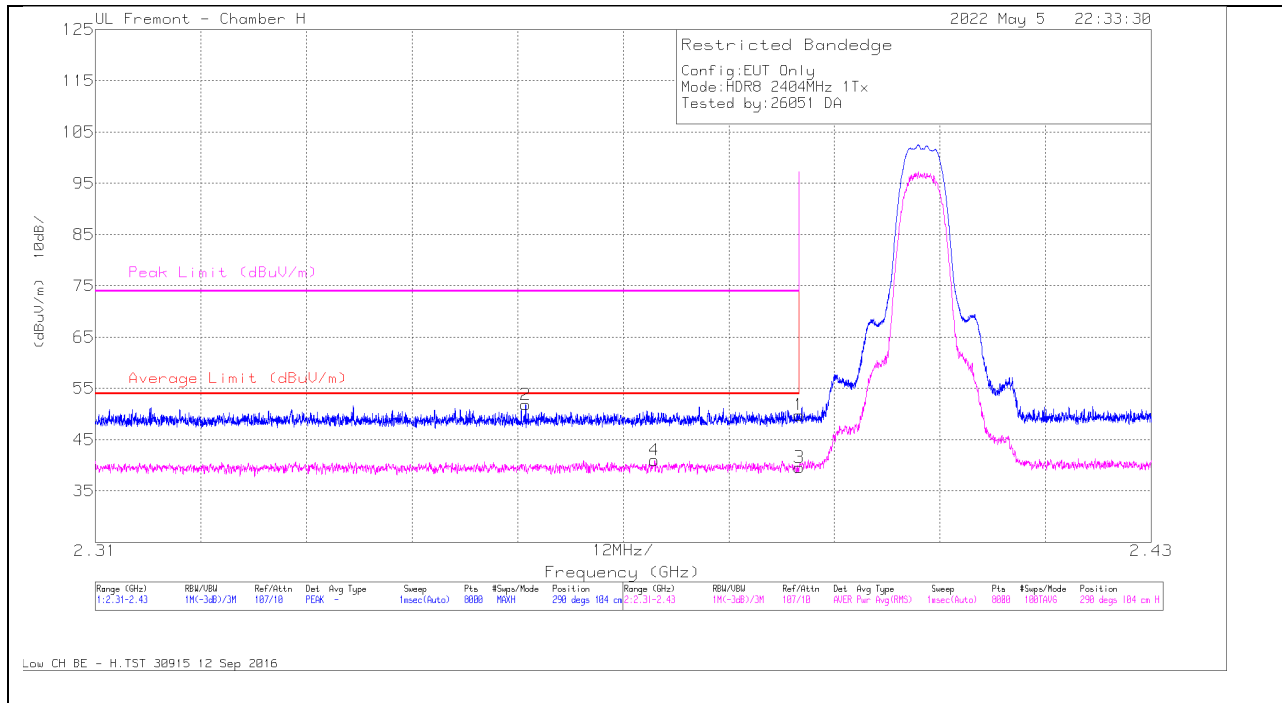
RMS - RMS detection

**10.2.8. LOW POWER HDR (HDR8)**

**ANT 4**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



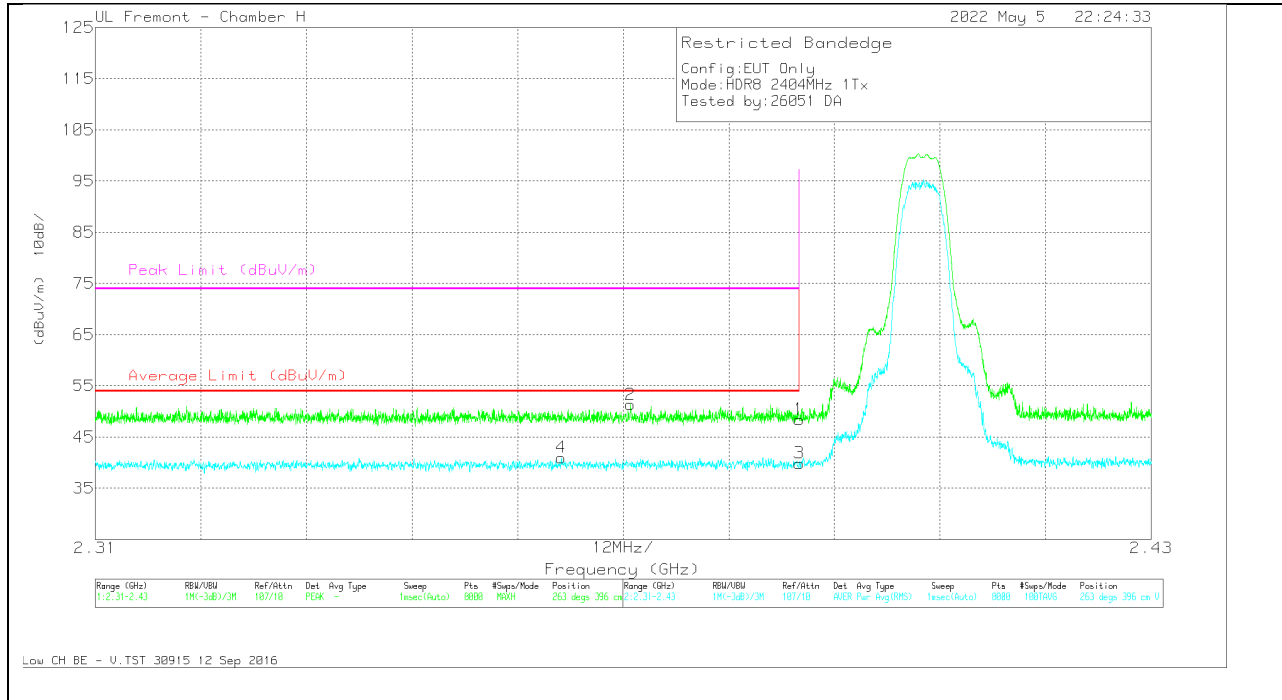
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.52	Pk	32	-27.7	0	49.82	-	-	74	-24.18	290	104	H
2	* 2.358907	47.53	Pk	31.9	-27.6	0	51.83	-	-	74	-22.17	290	104	H
3	* 2.39	35.29	RMS	32	-27.7	0	39.59	54	-14.41	-	-	290	104	H
4	* 2.373548	36.69	RMS	32	-27.7	0	40.99	54	-13.01	-	-	290	104	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.362957	36.68	RMS	31.9	-27.6	0	40.98	54	-13.02	-	-	263	396	V
2	* 2.370818	47.03	Pk	32	-27.7	0	51.33	-	-	74	-22.67	263	396	V
1	* 2.39	44.14	Pk	32	-27.7	0	48.44	-	-	74	-25.56	263	396	V
3	* 2.39	35.57	RMS	32	-27.7	0	39.87	54	-14.13	-	-	263	396	V

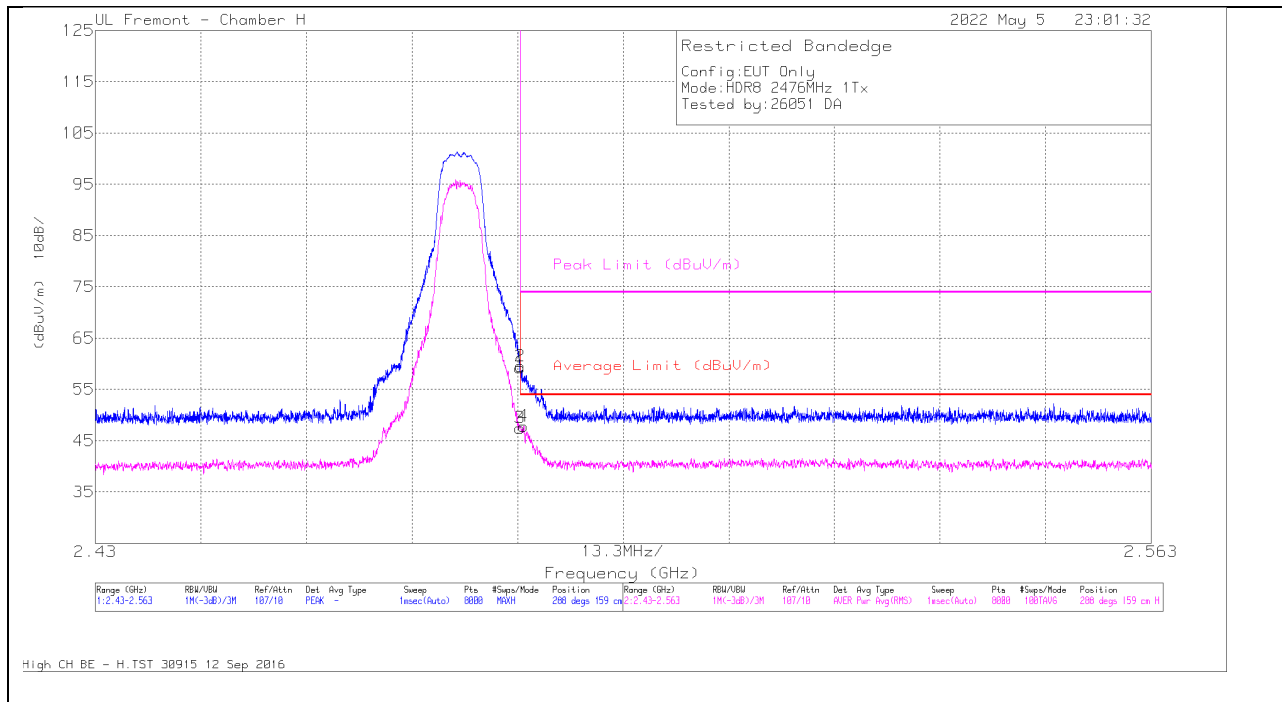
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



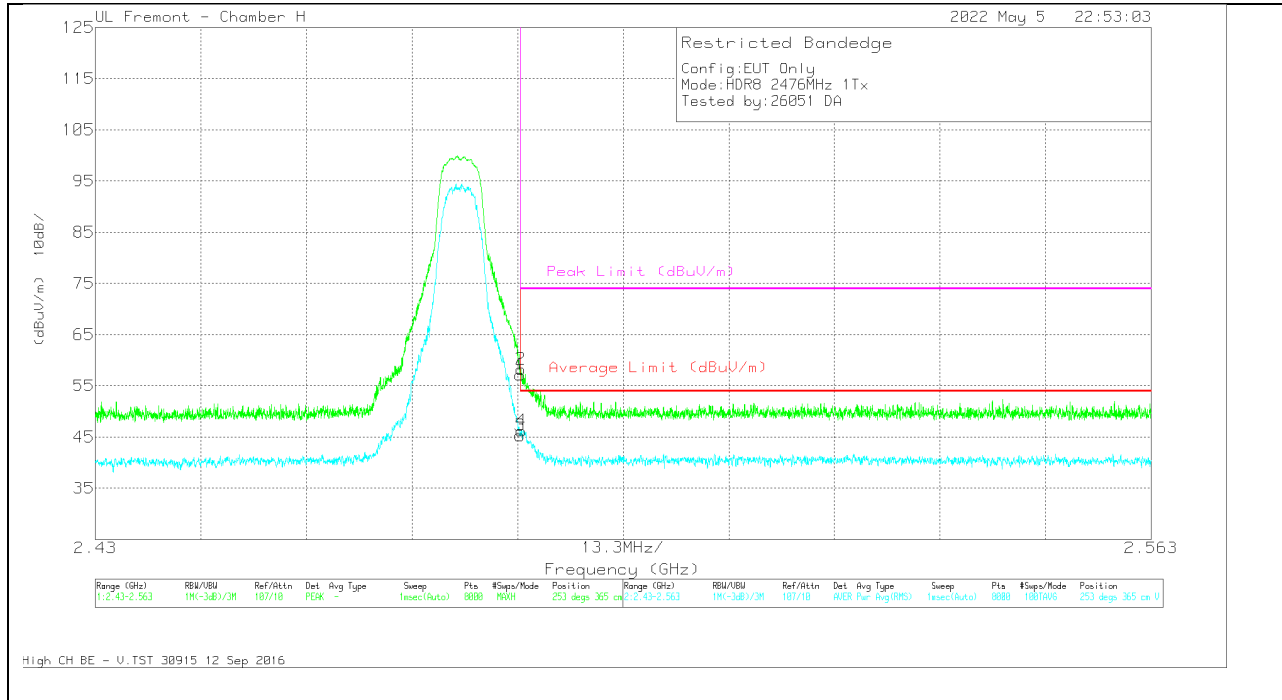
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	54.34	Pk	32.7	-27.8	0	59.24	-	-	74	-14.76	288	159	H
2	* 2.483539	54.64	Pk	32.7	-27.8	0	59.54	-	-	74	-14.46	288	159	H
3	* 2.4835	42.58	RMS	32.7	-27.8	0	47.48	54	-6.52	-	-	288	159	H
4	* 2.483955	42.92	RMS	32.7	-27.8	0	47.82	54	-6.18	-	-	288	159	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	52.28	Pk	32.7	-27.8	0	57.18	-	-	74	-16.82	253	365	V
2	* 2.483622	53.36	Pk	32.7	-27.8	0	58.26	-	-	74	-15.74	253	365	V
3	* 2.4835	40.41	RMS	32.7	-27.8	0	45.31	54	-8.69	-	-	253	365	V
4	* 2.483655	41.31	RMS	32.7	-27.8	0	46.21	54	-7.79	-	-	253	365	V

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

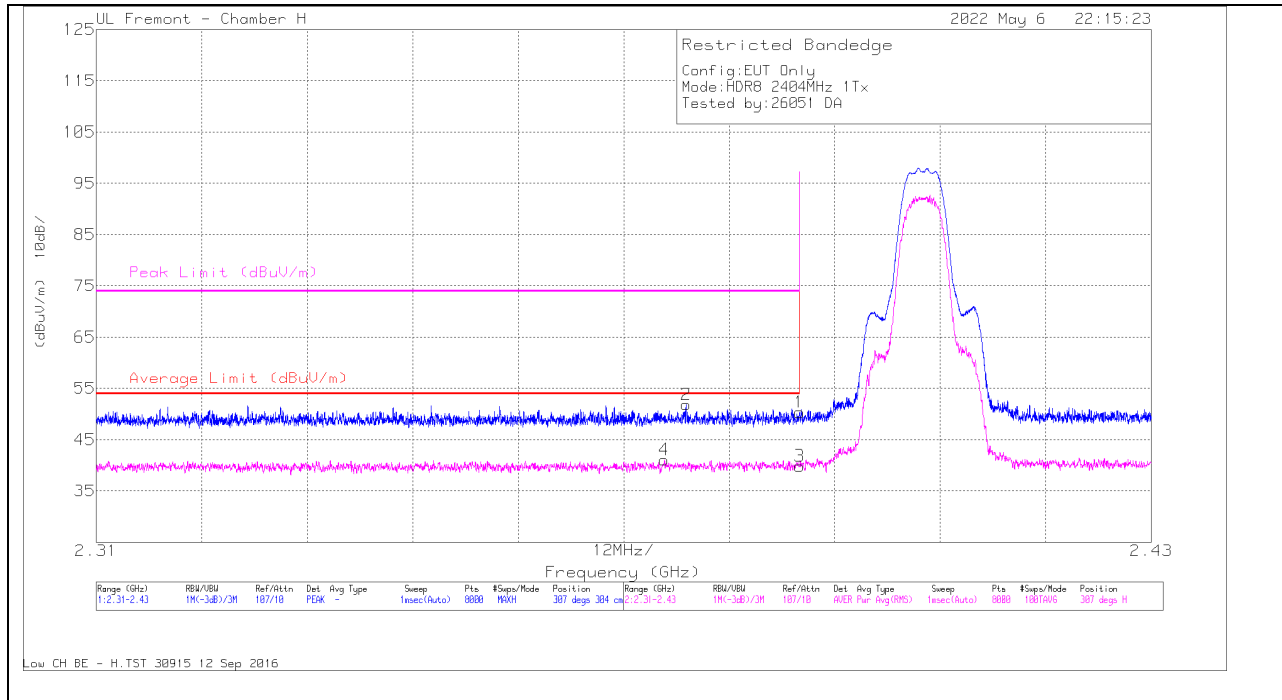
Pk - Peak detector

RMS - RMS detection

**ANT 3**

**BANDEDGE (LOW CHANNEL)**

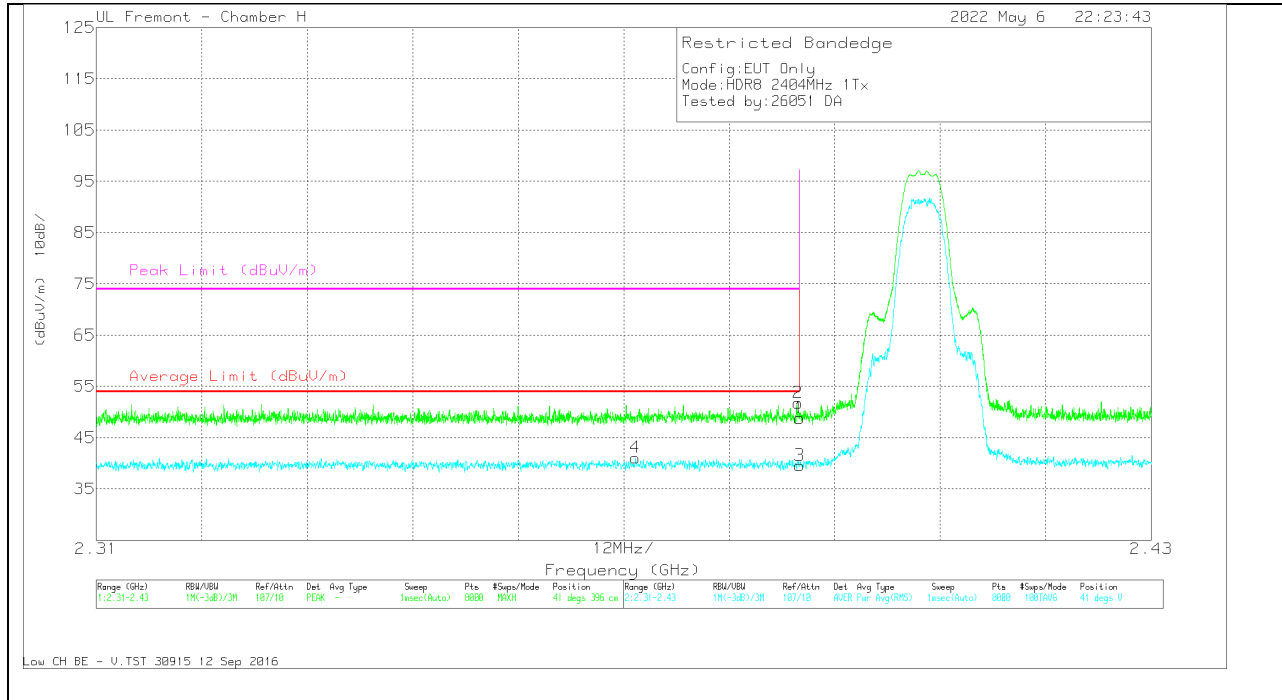
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	46.02	Pk	32	-27.7	0	50.32	-	-	74	-23.68	307	304	H
2	* 2.377089	47.44	Pk	32	-27.6	0	51.84	-	-	74	-22.16	307	304	H
3	* 2.39	35.52	RMS	32	-27.7	0	39.82	54	-14.18	-	-	307	304	H
4	* 2.374614	36.67	RMS	32	-27.6	0	41.07	54	-12.93	-	-	307	304	H

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

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.54	Pk	32	-27.7	0	48.84	-	-	74	-25.16	41	396	V
2	* 2.389826	47.49	Pk	32	-27.7	0	51.79	-	-	74	-22.21	41	396	V
3	* 2.39	35.29	RMS	32	-27.7	0	39.59	54	-14.41	-	-	41	396	V
4	* 2.371328	36.8	RMS	32	-27.7	0	41.1	54	-12.9	-	-	41	396	V

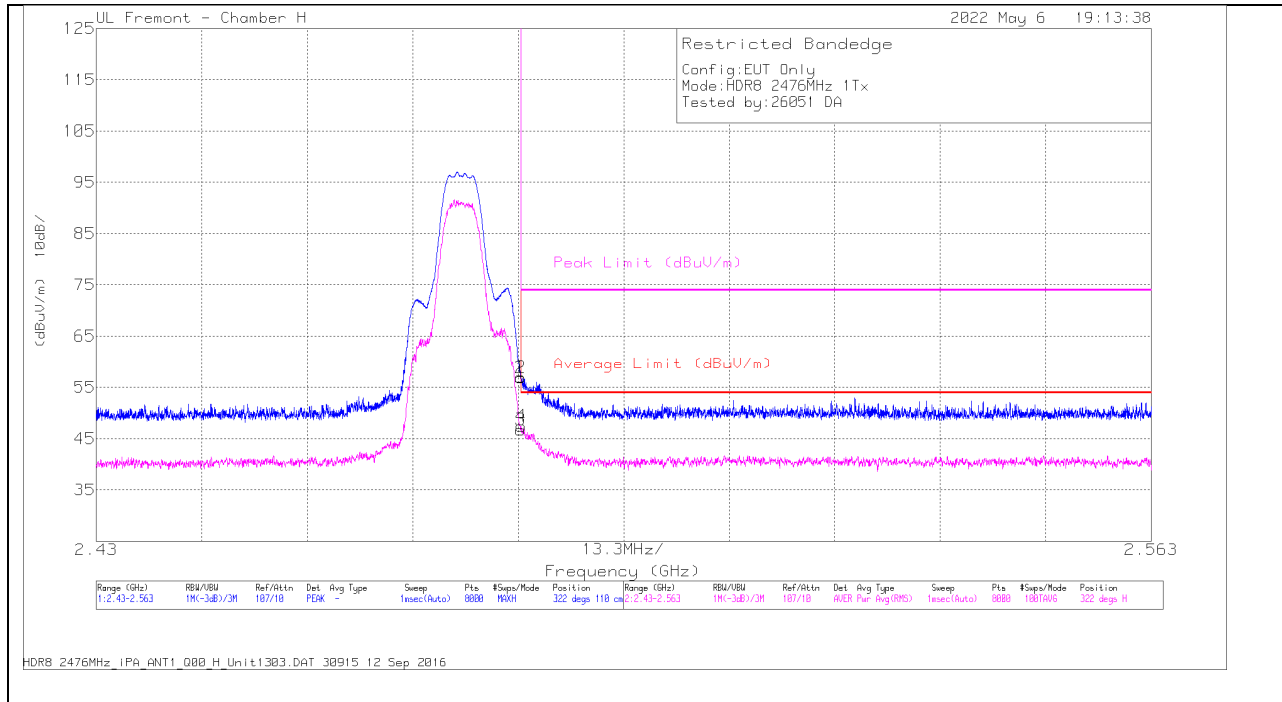
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	52.08	Pk	32.7	-27.8	0	56.98	-	-	74	-17.02	322	110	H
2	* 2.483506	52	Pk	32.7	-27.8	0	56.9	-	-	74	-17.1	322	110	H
3	* 2.4835	41.84	RMS	32.7	-27.8	0	46.74	54	-7.26	-	-	322	110	H
4	* 2.483572	42.55	RMS	32.7	-27.8	0	47.45	54	-6.55	-	-	322	110	H

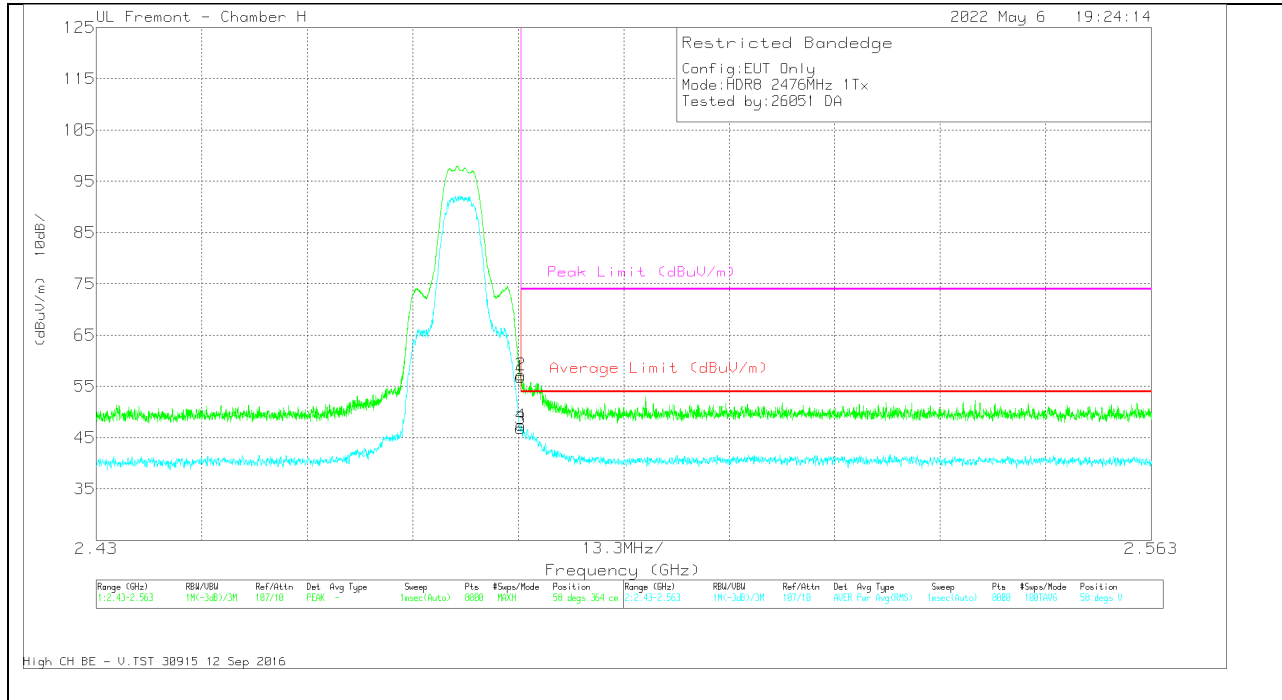
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	51.94	Pk	32.7	-27.8	0	56.84	-	-	74	-17.16	58	364	V
2	* 2.483522	52.38	Pk	32.7	-27.8	0	57.28	-	-	74	-16.72	58	364	V
3	* 2.4835	41.91	RMS	32.7	-27.8	0	46.81	54	-7.19	-	-	58	364	V
4	* 2.483522	42.53	RMS	32.7	-27.8	0	47.43	54	-6.57	-	-	58	364	V

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

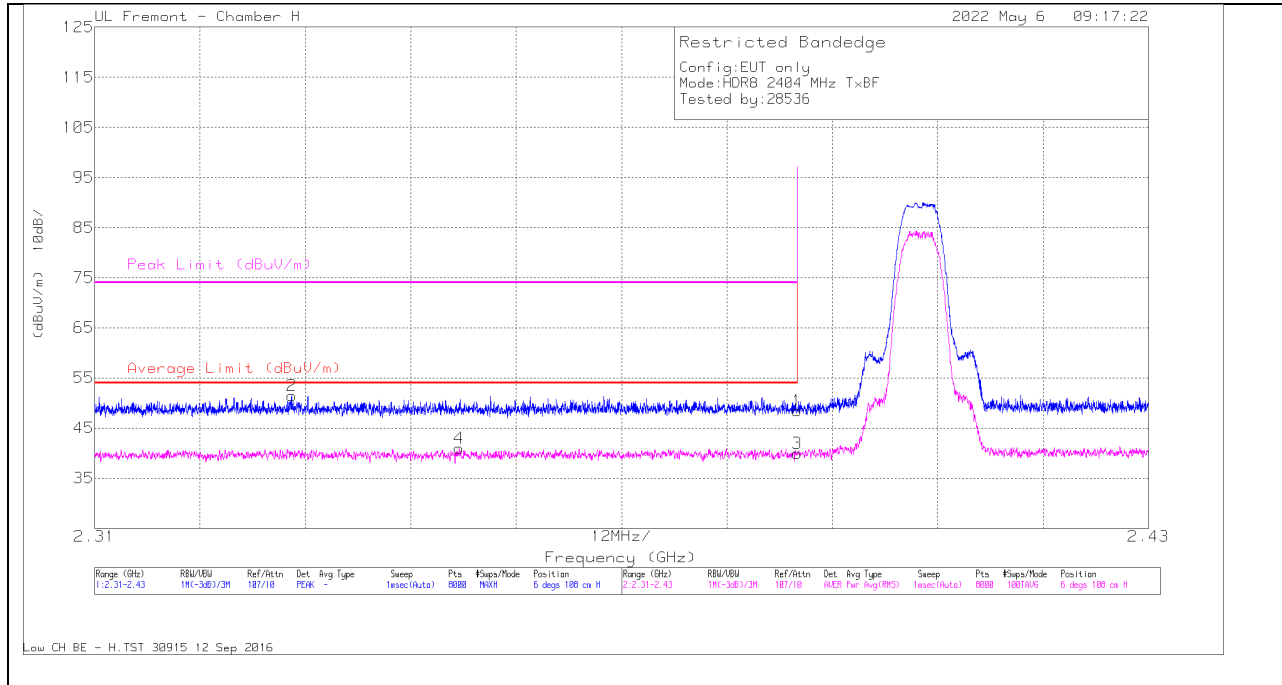
Pk - Peak detector

RMS - RMS detection

**10.2.9. LOW POWER HDR TXBF (HDR8)**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



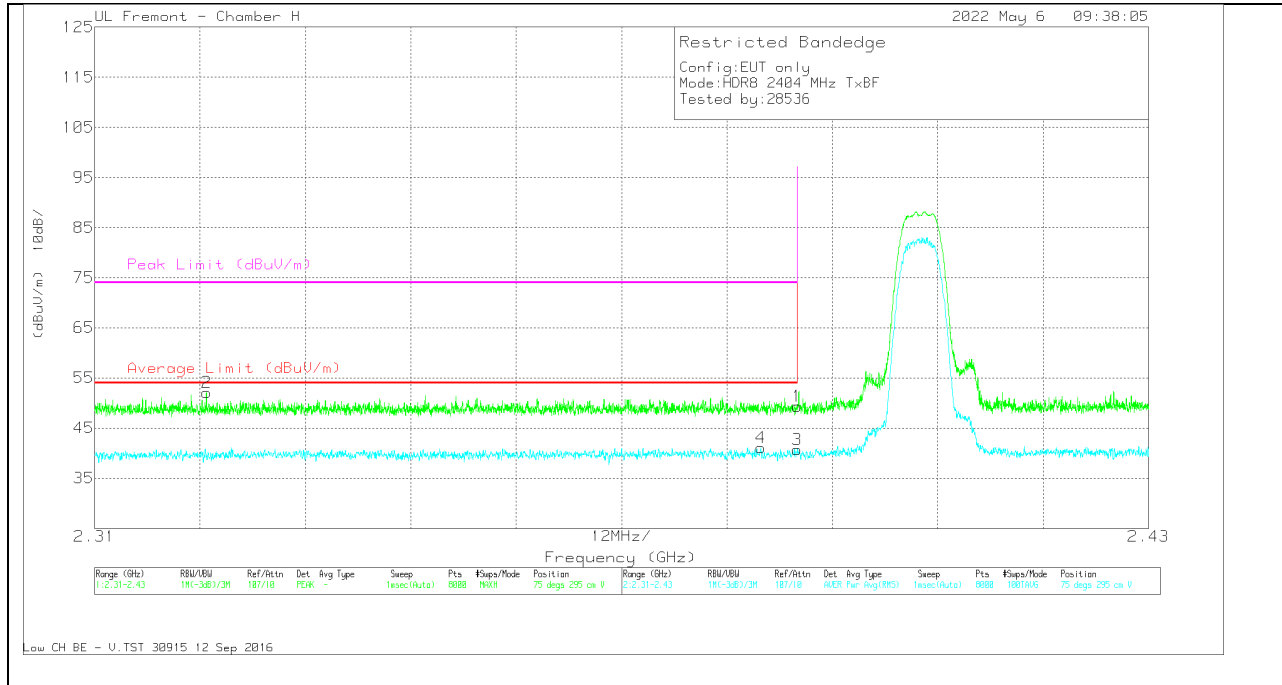
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbi/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.12	Pk	32	-27.7	48.42	-	-	74	-25.58	6	108	H
2	* 2.332428	47.2	Pk	31.9	-27.6	51.5	-	-	74	-22.5	6	108	H
3	* 2.39	35.66	RMS	32	-27.7	39.96	54	-14.04	-	-	6	108	H
4	* 2.351511	36.8	RMS	31.9	-27.7	41	54	-13	-	-	6	108	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (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	45.06	Pk	32	-27.7	49.36	-	-	74	-24.64	75	295	V
2	* 2.322722	47.85	Pk	31.9	-27.7	52.05	-	-	74	-21.95	75	295	V
3	* 2.39	36.4	RMS	32	-27.7	40.7	54	-13.3	-	-	75	295	V
4	* 2.38585	36.92	RMS	32	-27.8	41.12	54	-12.88	-	-	75	295	V

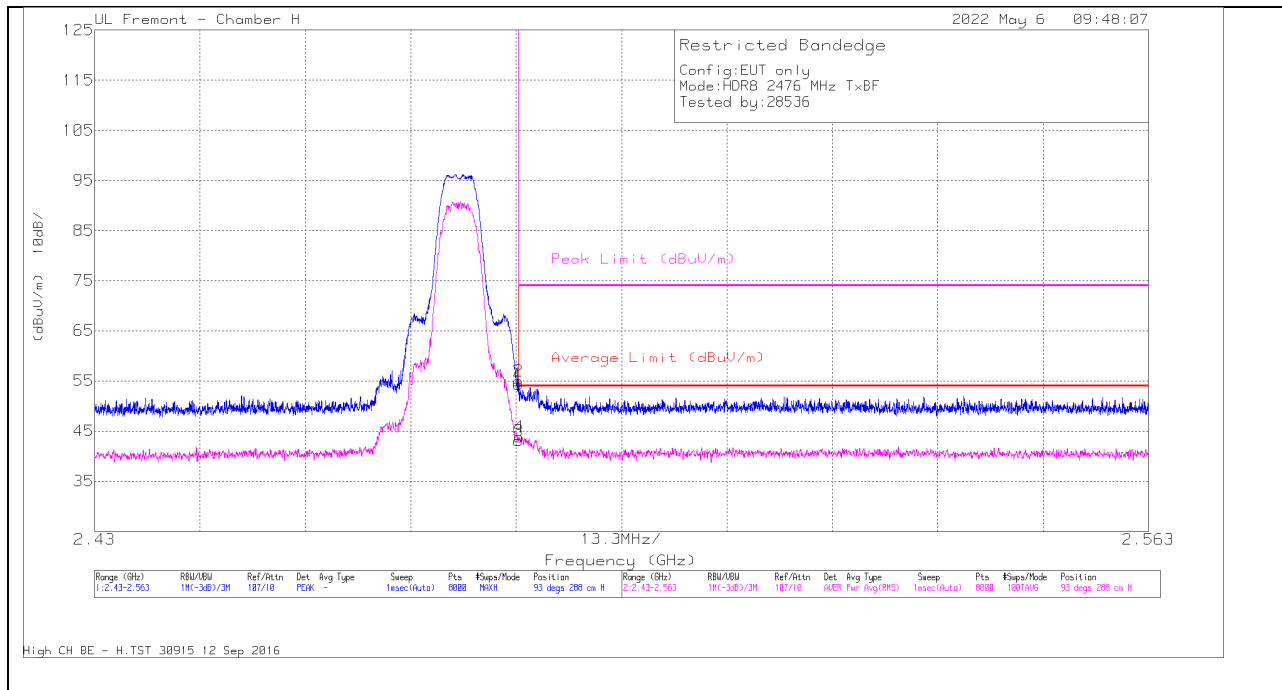
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



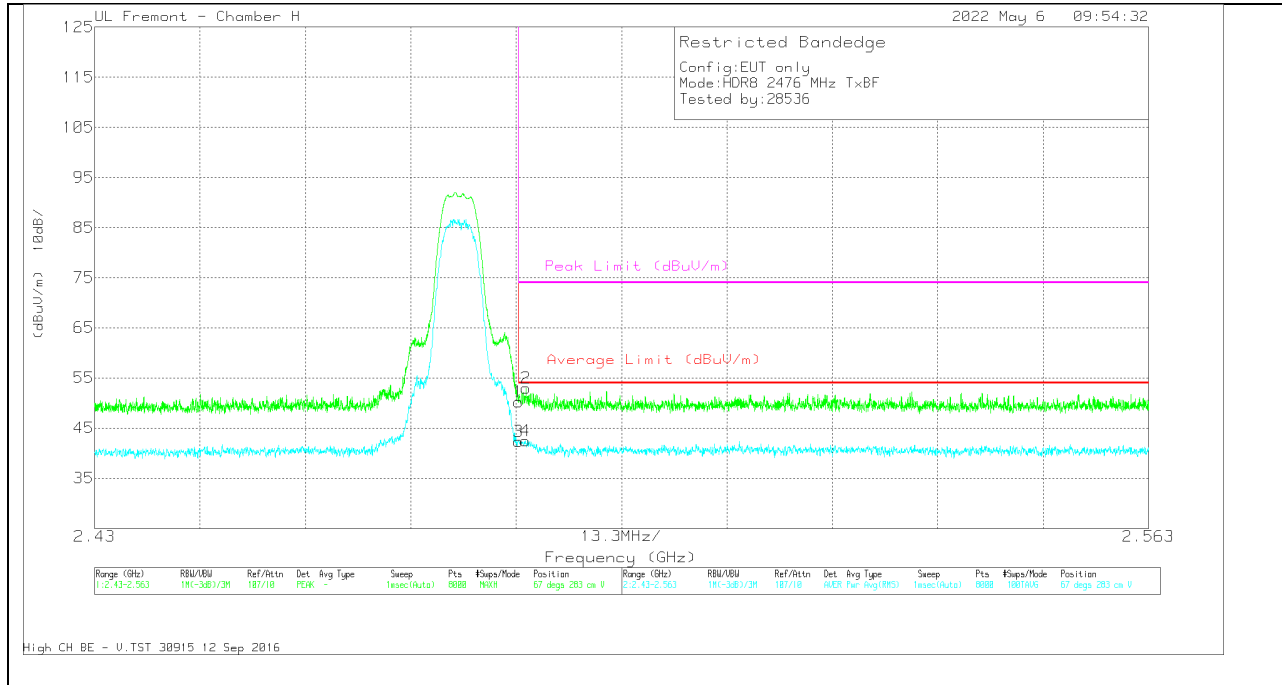
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/C bl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	49.5	Pk	32.7	-27.8	54.4	-	-	74	-19.6	93	288	H
2	* 2.483522	50.06	Pk	32.7	-27.8	54.96	-	-	74	-19.04	93	288	H
3	* 2.4835	38.2	RMS	32.7	-27.8	43.1	54	-10.9	-	-	93	288	H
4	* 2.483572	38.95	RMS	32.7	-27.8	43.85	54	-10.15	-	-	93	288	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 80430 (dB/m)	Amp/Cbl/Pad (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	45.34	Pk	32.7	-27.8	50.24	-	-	74	-23.76	67	283	V
2	* 2.484437	48.06	Pk	32.7	-27.8	52.96	-	-	74	-21.04	67	283	V
3	* 2.4835	37.43	RMS	32.7	-27.8	42.33	54	-11.67	-	-	67	283	V
4	* 2.484337	37.58	RMS	32.7	-27.8	42.48	54	-11.52	-	-	67	283	V

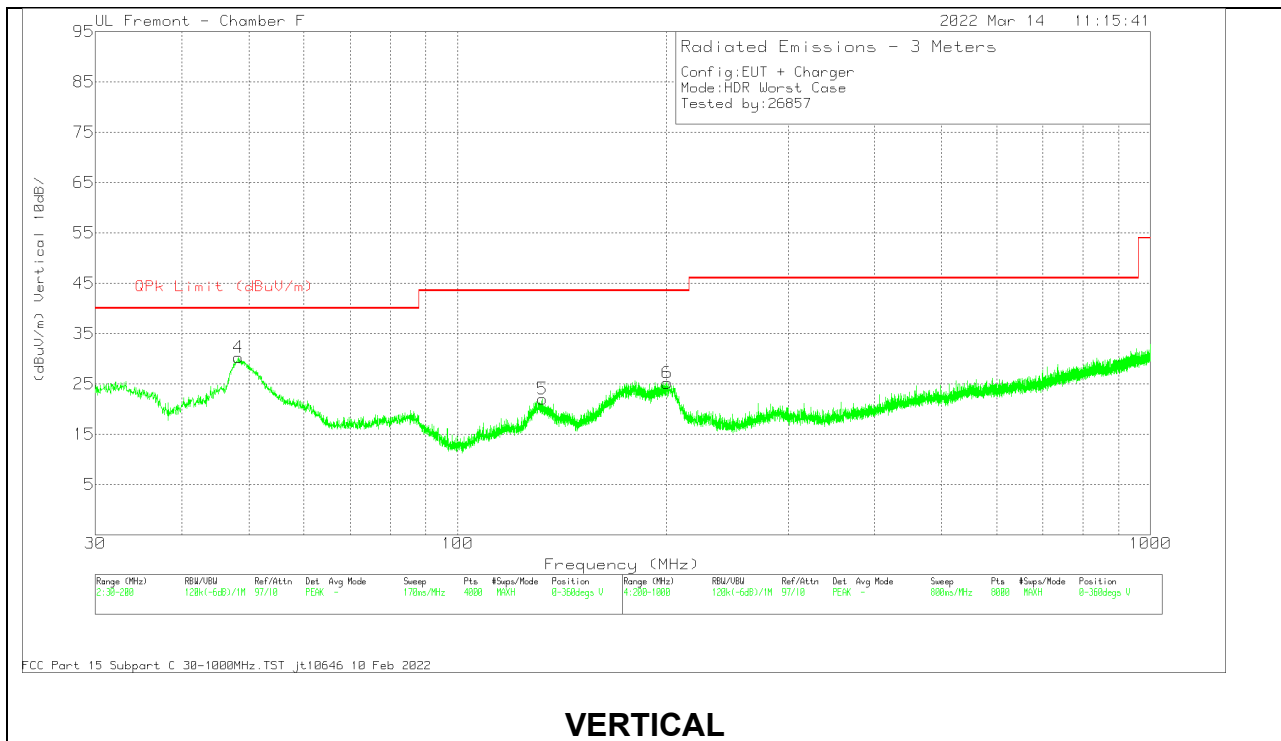
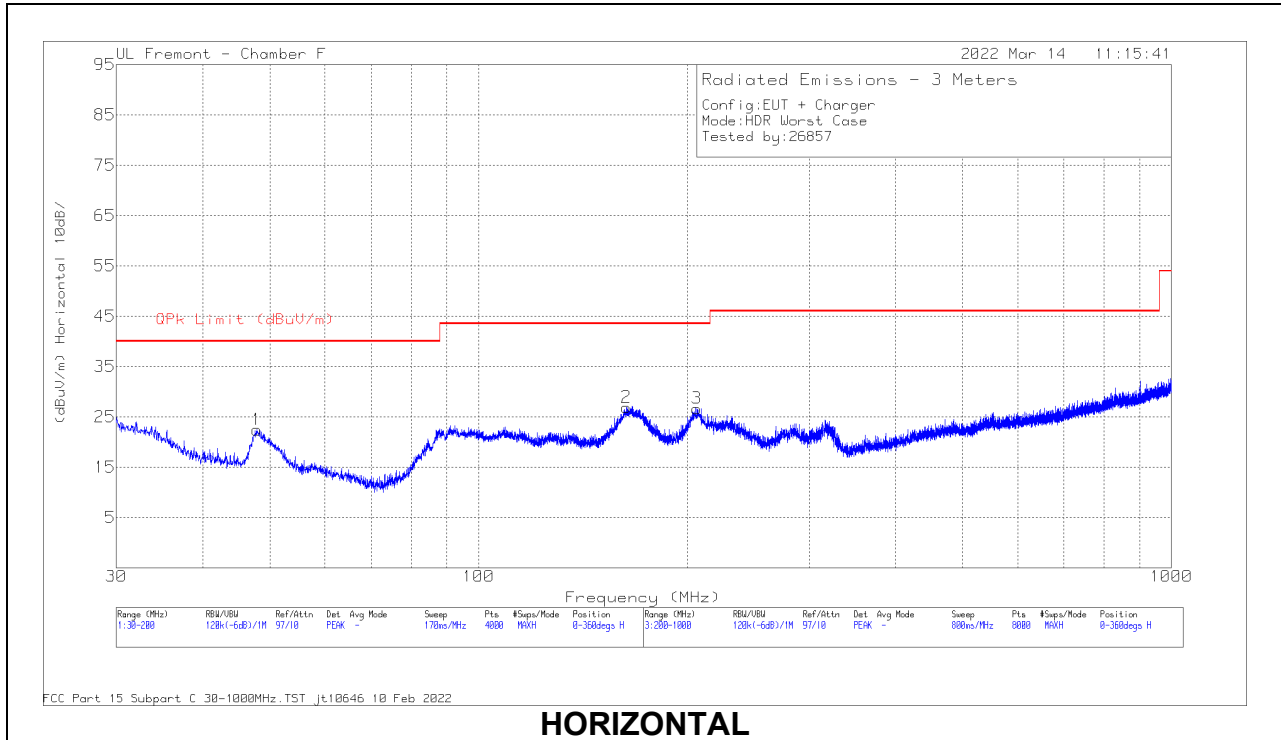
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### 10.3. WORST CASE BELOW 1 GHz

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



**Below 1GHz Data**

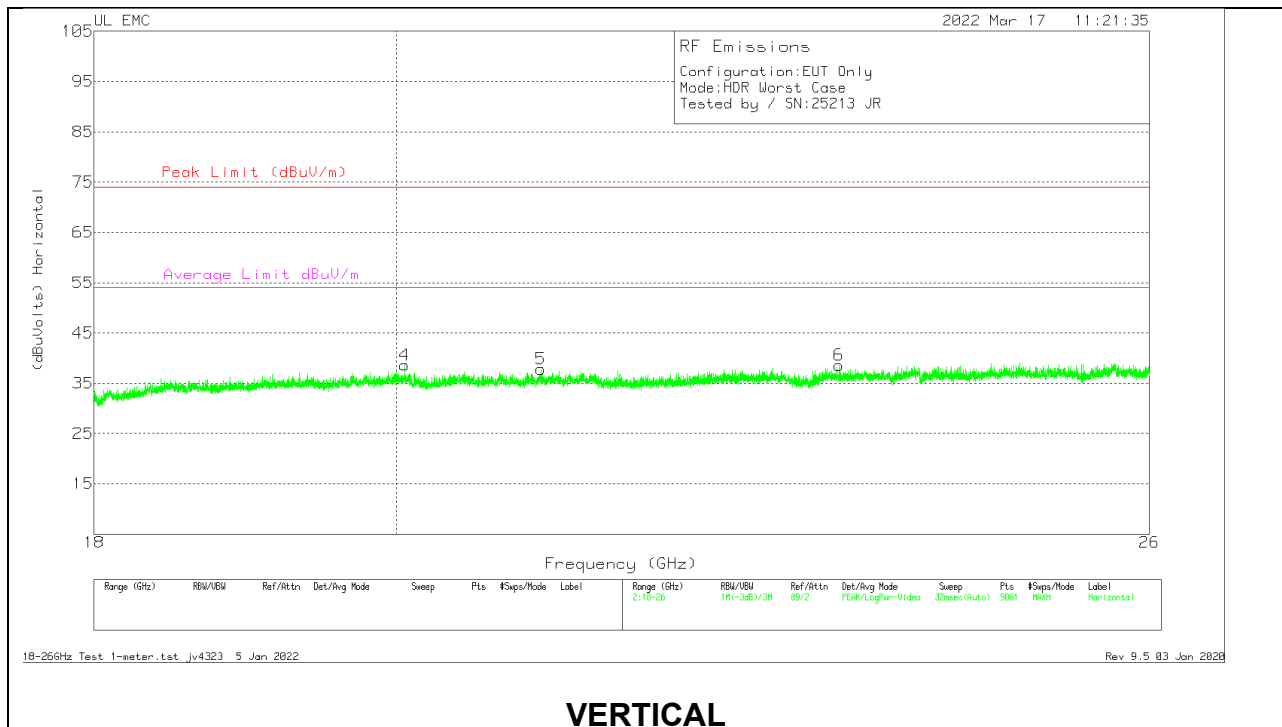
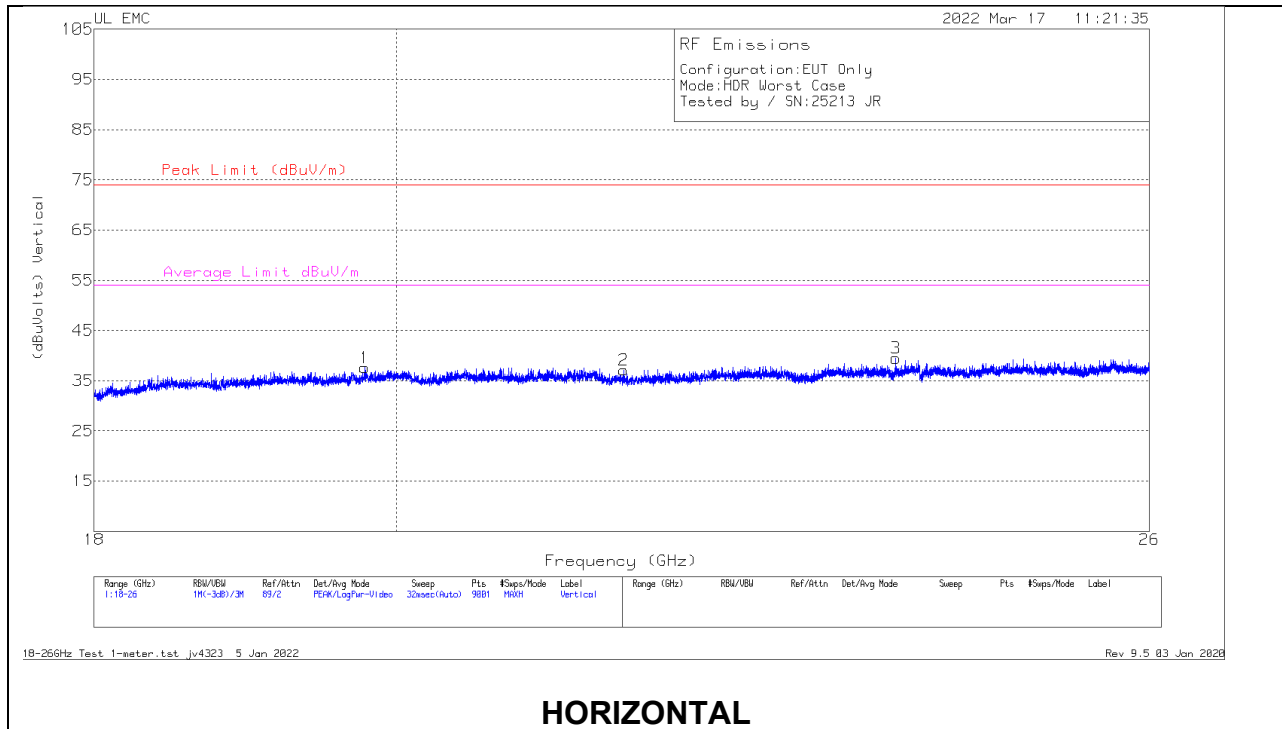
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 204044 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	47.7816	34.78	Qp	16	-31.8	18.98	40	-21.02	153	390	H
2	* 163.581	35.65	Qp	18.7	-31	23.35	43.52	-20.17	320	169	H
4	48.5089	42.8	Qp	15.7	-31.8	26.7	40	-13.3	39	106	V
5	* 132.769	27.19	Qp	20.1	-31.2	16.09	43.52	-27.43	16	138	V
3	206.41	34.82	Qp	18.1	-30.8	22.12	43.52	-21.4	279	139	H
6	200.575	32.68	Qp	18.5	-30.9	20.28	43.52	-23.24	59	103	V

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

Qp - Quasi-Peak detector

### 10.4. WORST CASE 18-26 GHz

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





**18 – 26GHz DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 81139 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)
1	19.78044	70.3	Pk	33.6	-56.8	-9.5	37.6	74	-36.4	54	-16.4
2	21.648	70.12	Pk	33.9	-57.4	-9.5	37.12	74	-36.88	54	-16.88
3	23.80178	71.68	Pk	34.5	-57.2	-9.5	39.48	74	-34.52	54	-14.52
4	20.05689	71.04	Pk	33.7	-56.6	-9.5	38.64	74	-35.36	54	-15.36
5	21.03289	70.34	Pk	33.8	-56.8	-9.5	37.84	74	-36.16	54	-16.16
6	23.33333	70.8	Pk	34.5	-57.2	-9.5	38.6	74	-35.4	54	-15.4

Pk - Peak detector

18-26GHz Test 1-meter.tst jv4323 5 Jan 2022

Rev 9.5 03 Jan 2020

## 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.

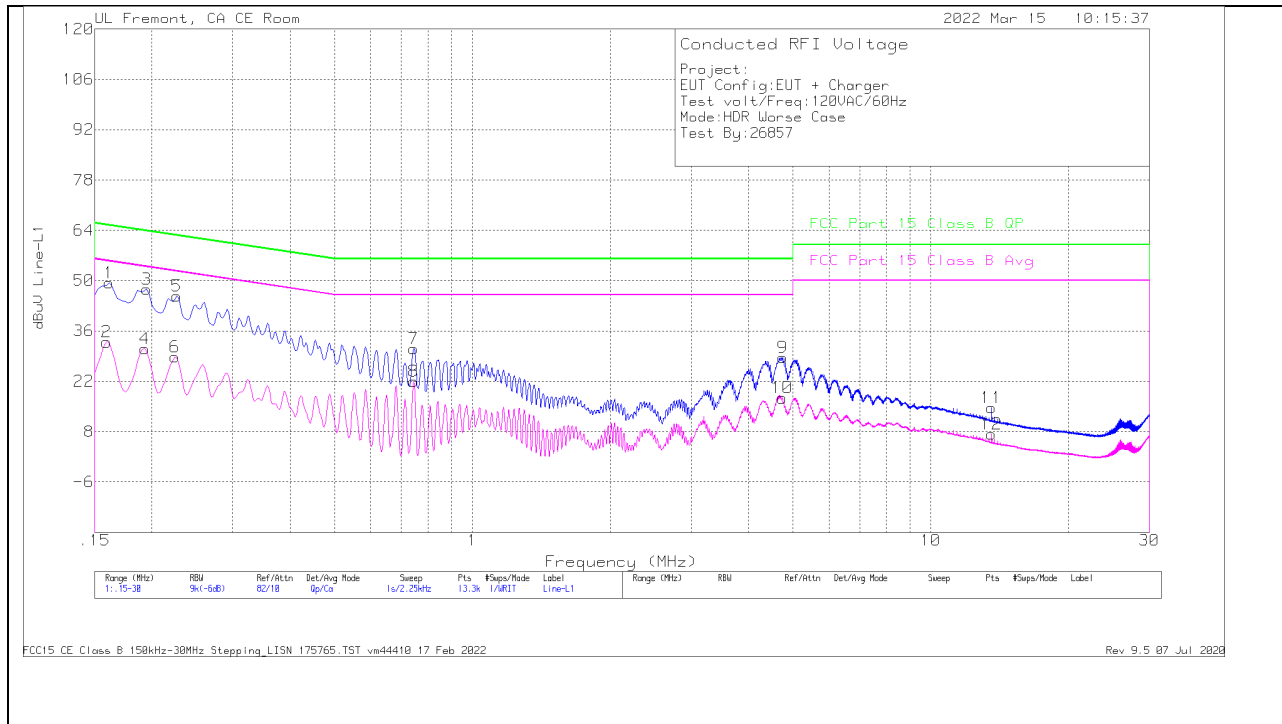
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

# 11.1. AC Power Line With AC/DC Adapter

## LINE 1 RESULTS

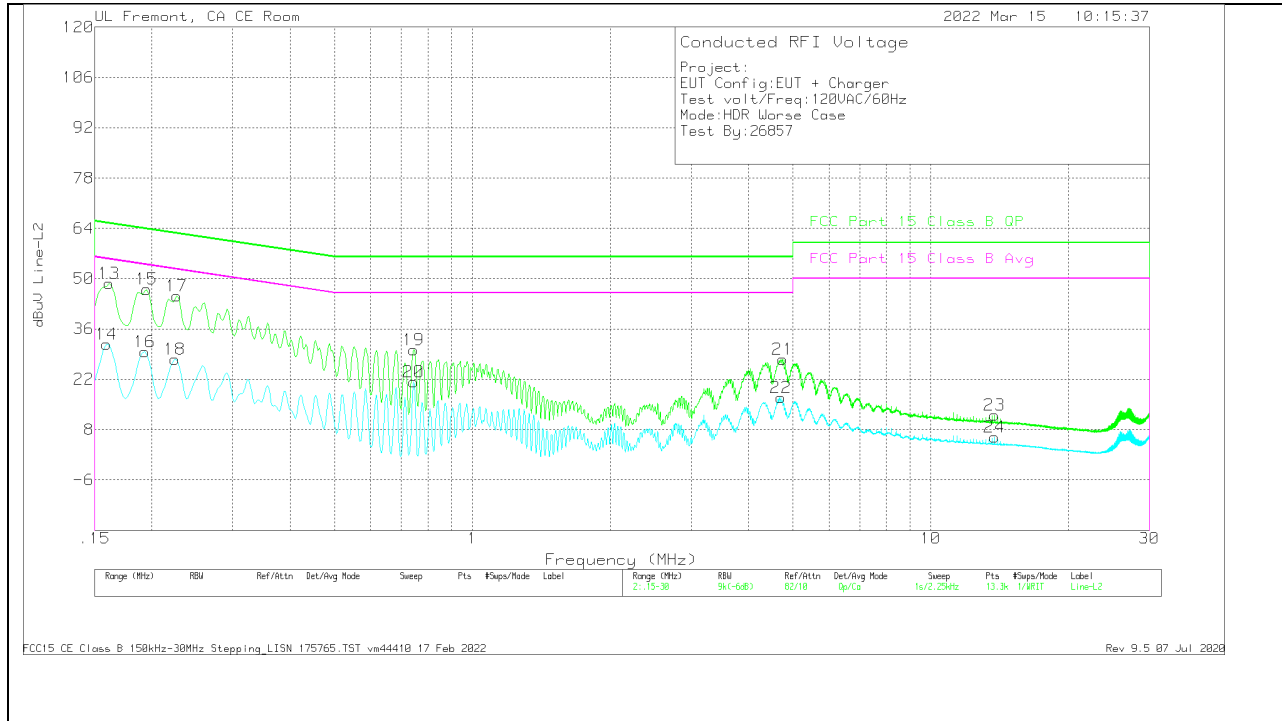


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1 (dB)	C1&C3 cable (dB)	TekBox Limiter TBFL1 Model 207 (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av(CISPR) Margin (dB)
2	.159	23.4	Ca	.1	0	9.4	32.9	-	-	55.52	-22.62
4	.19275	21.71	Ca	.1	0	9.3	31.11	-	-	53.92	-22.81
6	.22425	19.43	Ca	0	0	9.3	28.73	-	-	52.66	-23.93
8	.744	12.55	Ca	0	.1	9.3	21.95	-	-	46	-24.05
10	4.74	7.97	Ca	0	.1	9.3	17.37	-	-	46	-28.63
12	13.56	-2.25	Ca	.1	.2	9.3	7.35	-	-	50	-42.65
1	.16125	39.83	Qp	.1	0	9.4	49.33	65.4	-16.07	-	-
3	.195	38.26	Qp	.1	0	9.3	47.66	63.82	-16.16	-	-
5	.2265	36.48	Qp	0	0	9.3	45.78	62.58	-16.8	-	-
7	.744	21.63	Qp	0	.1	9.3	31.03	56	-24.97	-	-
9	4.749	19.29	Qp	0	.1	9.3	28.69	56	-27.31	-	-
11	13.56	4.99	Qp	.1	.2	9.3	14.59	60	-45.41	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS

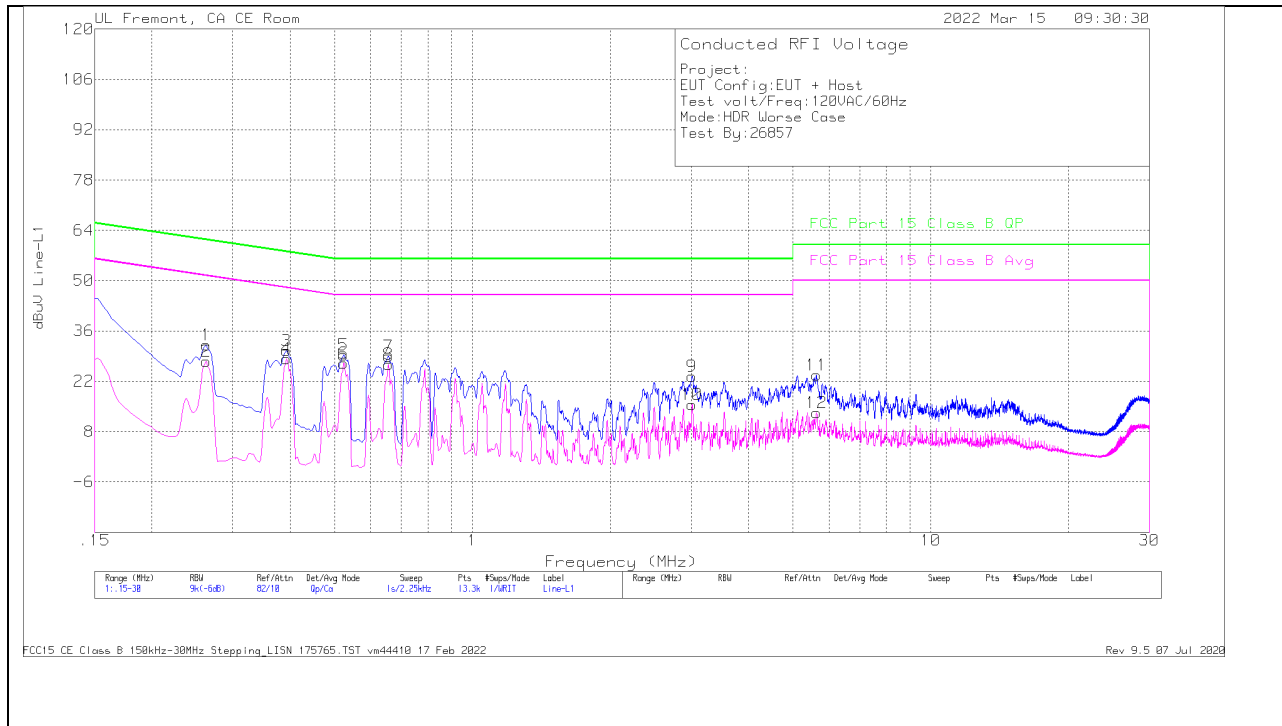


Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1 (dB)	C1&C3 cable (dB)	TekBox Limiter TBFL1 Model 207 (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av(CISPR) Margin (dB)
14	.159	22.24	Ca	.1	0	9.4	31.74	-	-	55.52	-23.78
16	.19275	20.42	Ca	0	0	9.3	29.72	-	-	53.92	-24.2
18	.22425	18.28	Ca	0	0	9.3	27.58	-	-	52.66	-25.08
20	.744	11.87	Ca	0	.1	9.3	21.27	-	-	46	-24.73
22	4.7085	7.49	Ca	0	.1	9.3	16.89	-	-	46	-29.11
24	13.79625	-3.69	Ca	.1	.2	9.3	5.91	-	-	50	-44.09
13	.16125	39.13	Qp	.1	0	9.4	48.63	65.4	-16.77	-	-
15	.195	37.73	Qp	0	0	9.3	47.03	63.82	-16.79	-	-
17	.2265	35.92	Qp	0	0	9.3	45.22	62.58	-17.36	-	-
19	.74513	20.78	Qp	0	.1	9.3	30.18	56	-25.82	-	-
21	4.749	18.2	Qp	0	.1	9.3	27.6	56	-28.4	-	-
23	13.79625	2.47	Qp	.1	.2	9.3	12.07	60	-47.93	-	-

Qp - Quasi-Peak detector  
Ca - CISPR average detection

# 11.2. AC Power Line With Laptop

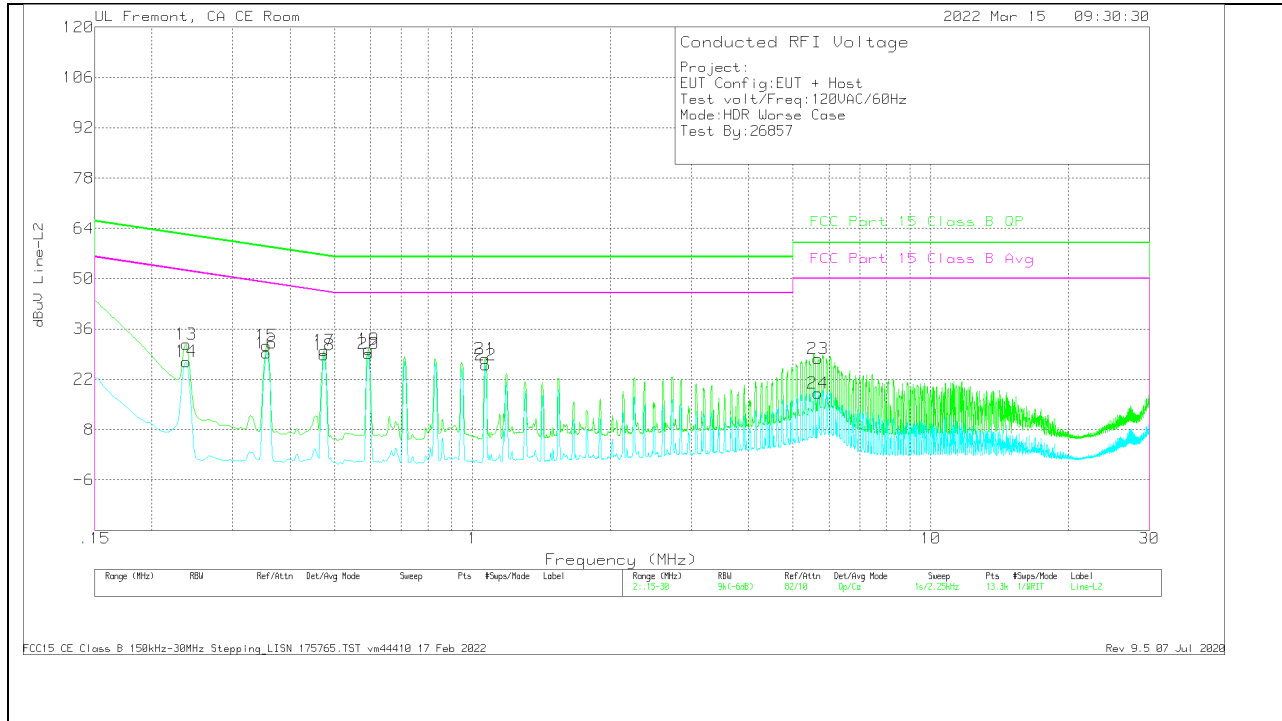
## LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1 (dB)	C1&C3 cable (dB)	TekBox Limiter TBFL1 Model 207 (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av(CISPR) Margin (dB)
2	.2625	18.35	Ca	0	0	9.3	27.65	-	-	51.35	-23.7
4	.393	18.93	Ca	0	0	9.3	28.23	-	-	48	-19.77
6	.5235	17.82	Ca	0	0	9.3	27.12	-	-	46	-18.88
8	.65625	17.38	Ca	0	.1	9.3	26.78	-	-	46	-19.22
10	3.0165	6.17	Ca	0	.1	9.3	15.57	-	-	46	-30.43
12	5.62875	3.85	Ca	0	.1	9.3	13.25	-	-	50	-36.75
1	.2625	22.84	Qp	0	0	9.3	32.14	61.35	-29.21	-	-
3	.393	21.25	Qp	0	0	9.3	30.55	58	-27.45	-	-
5	.5235	20.01	Qp	0	0	9.3	29.31	56	-26.69	-	-
7	.65625	19.55	Qp	0	.1	9.3	28.95	56	-27.05	-	-
9	3.0165	14.06	Qp	0	.1	9.3	23.46	56	-32.54	-	-
11	5.62875	14.36	Qp	0	.1	9.3	23.76	60	-36.24	-	-

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

### LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1 (dB)	C1&C3 cable (dB)	TekBox Limiter TBFL1 Model 207 (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av(CISPR) Margin (dB)
14	.23775	17.66	Ca	0	0	9.3	26.96	-	-	52.17	-25.21
16	.35475	20	Ca	0	0	9.3	29.3	-	-	48.85	-19.55
18	.474	19.46	Ca	0	0	9.3	28.76	-	-	46.44	-17.68
20	.59325	19.76	Ca	0	.1	9.3	29.16	-	-	46	-16.84
22	1.068	16.59	Ca	0	.1	9.3	25.99	-	-	46	-20.01
24	5.67825	8.7	Ca	0	.1	9.3	18.1	-	-	50	-31.9
13	.23775	22.5	Qp	0	0	9.3	31.8	62.17	-30.37	-	-
15	.35475	22.13	Qp	0	0	9.3	31.43	58.85	-27.42	-	-
17	.474	20.65	Qp	0	0	9.3	29.95	56.44	-26.49	-	-
19	.59325	21	Qp	0	.1	9.3	30.4	56	-25.6	-	-
21	1.06575	18.31	Qp	0	.1	9.3	27.71	56	-28.29	-	-
23	5.676	18.27	Qp	0	.1	9.3	27.67	60	-32.33	-	-

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

## 12. SETUP PHOTOS

Please refer to 14040867-EP1V1 for setup photos

**END OF TEST REPORT**