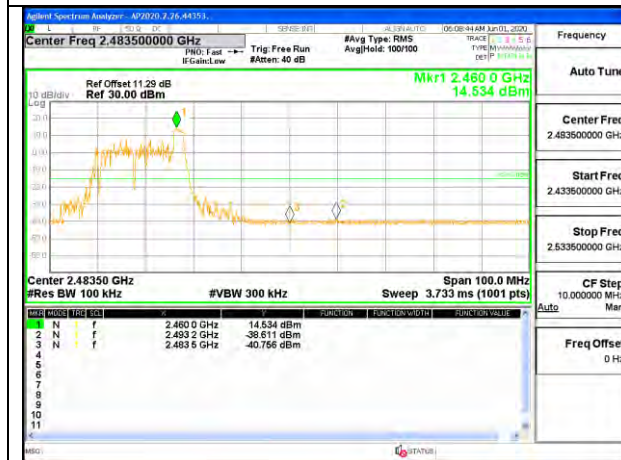


MID CHANNEL REFERENCE LEVEL ANT 3



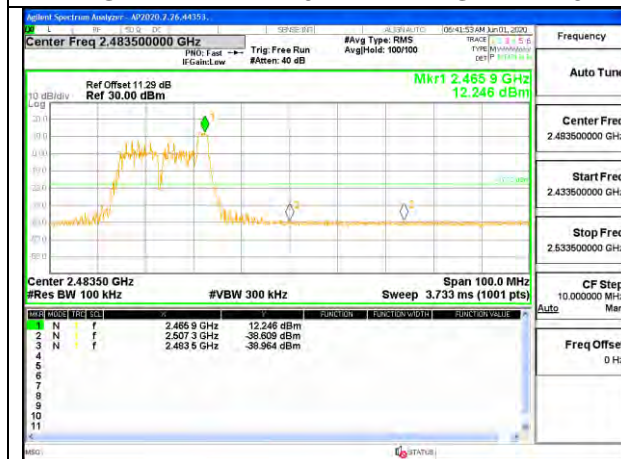
OUT-OF-BAND MID CHANNEL ANT 3



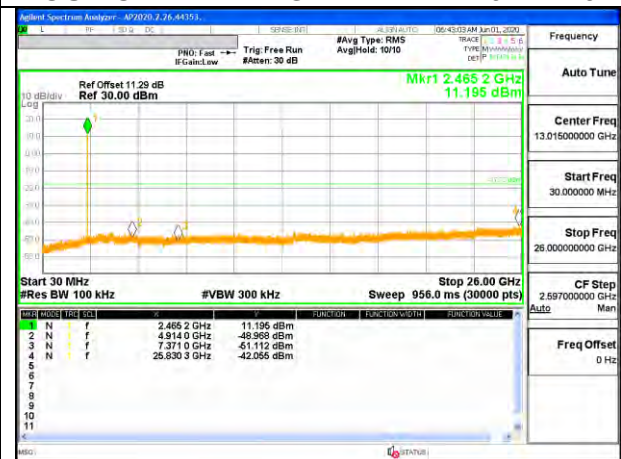
HIGH CHANNEL 9 BANDEDGE ANT 3



OUT-OF-BAND HIGH CHANNEL 9 ANT 3



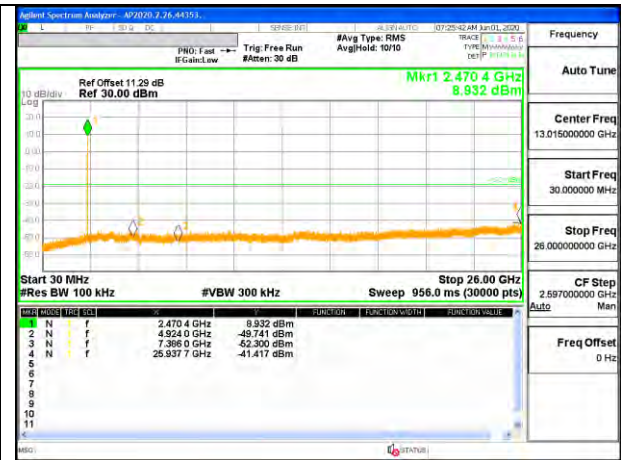
HIGH CHANNEL 10 BANDEDGE ANT 3



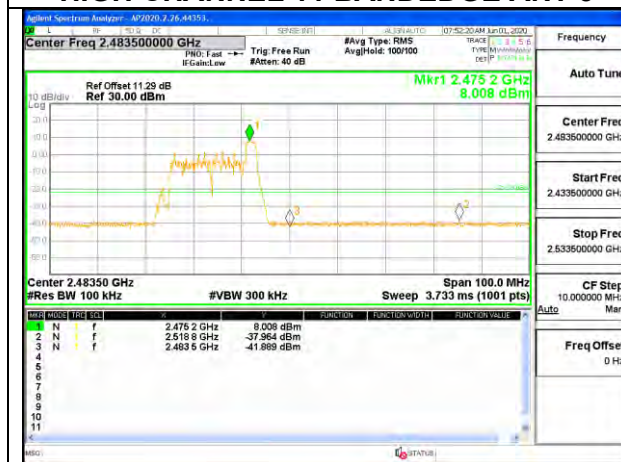
OUT-OF-BAND HIGH CHANNEL 10 ANT 3



**HIGH CHANNEL 11 BANDEDGE ANT 3**



**OUT-OF-BAND HIGH CHANNEL 11 ANT 3**



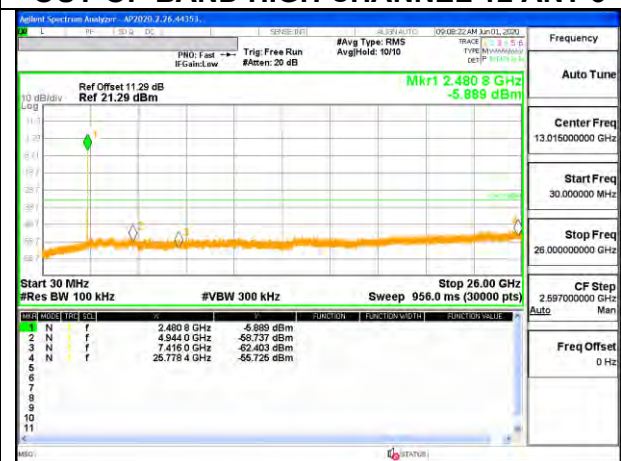
**HIGH CHANNEL 12 BANDEDGE ANT 3**



**OUT-OF-BAND HIGH CHANNEL 12 ANT 3**



**HIGH CHANNEL 13 BANDEDGE ANT 3**



**OUT-OF-BAND HIGH CHANNEL 13 ANT 3**

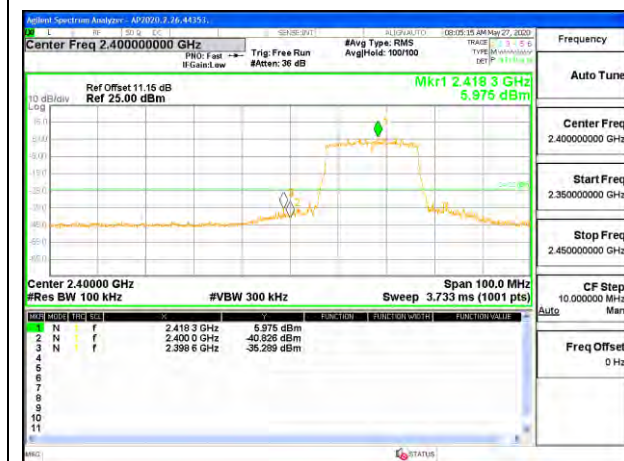
**ANT 4 + ANT 3 2TX MODE: 242-Tones, RU Index 61**



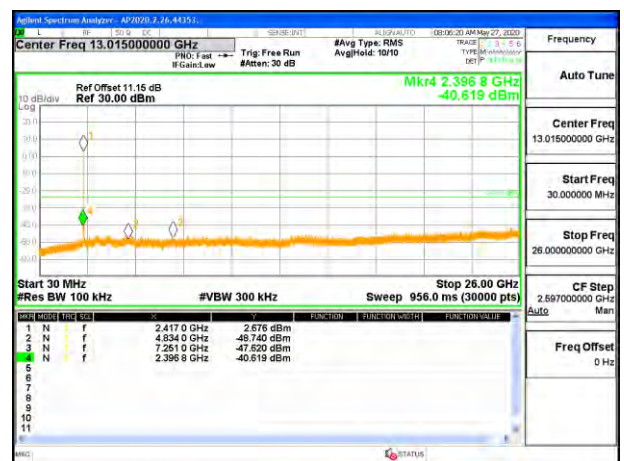
**LOW CHANNEL 1 BANDEDGE ANT 4**



**OUT-OF-BAND LOW CHANNEL 1 ANT 4**



**LOW CHANNEL 2 BANDEDGE ANT 4**



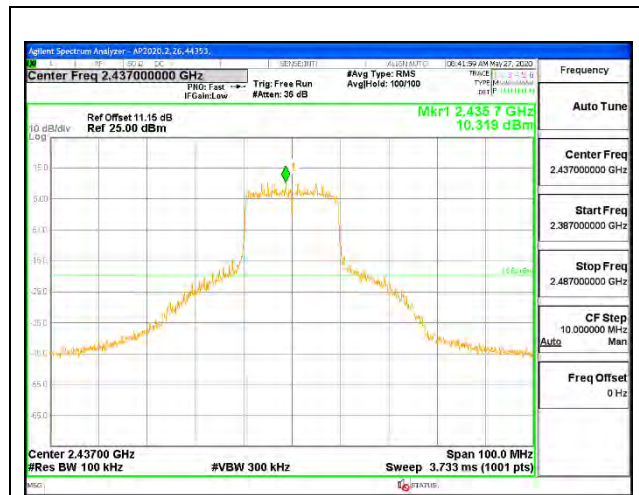
**OUT-OF-BAND LOW CHANNEL 2 ANT 4**



**LOW CHANNEL 3 BANDEDGE ANT 4**



**OUT-OF-BAND LOW CHANNEL 3 ANT 4**



MID CHANNEL REFERENCE LEVEL ANT 4



OUT-OF-BAND MID CHANNEL ANT 4



HIGH CHANNEL 9 BANDEDGE ANT 4



OUT-OF-BAND HIGH CHANNEL 9 ANT 4



**HIGH CHANNEL 10 BANDEGE ANT 4**



**OUT-OF-BAND HIGH CHANNEL 10 ANT 4**



**HIGH CHANNEL 11 BANDEGE ANT 4**



**OUT-OF-BAND HIGH CHANNEL 11 ANT 4**



**HIGH CHANNEL 12 BANDEGE ANT 4**



**OUT-OF-BAND HIGH CHANNEL 12 ANT 4**



**HIGH CHANNEL 13 BANDEDGE ANT 4**



**OUT-OF-BAND HIGH CHANNEL 13 ANT 4**



**LOW CHANNEL 1 BANDEGE ANT 3**



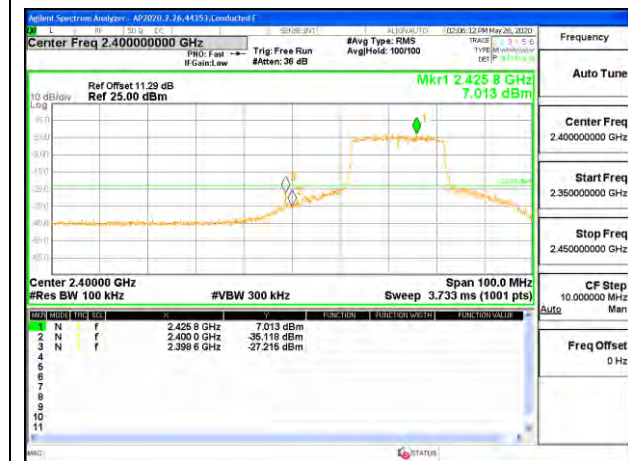
**OUT-OF-BAND LOW CHANNEL 1 ANT 3**



**LOW CHANNEL 2 BANDEGE ANT 3**



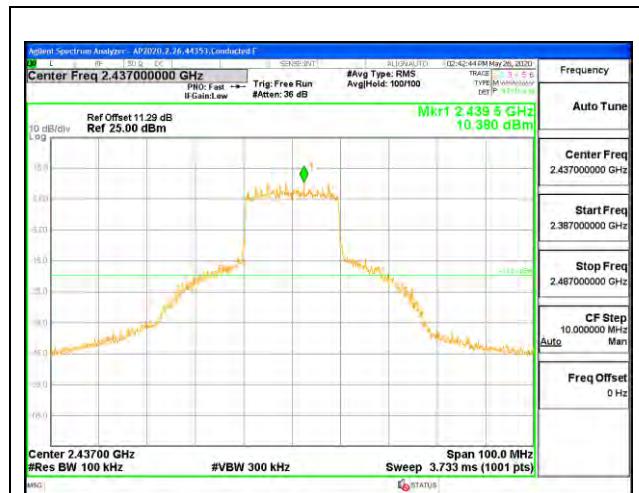
**OUT-OF-BAND LOW CHANNEL 2 ANT 3**



**LOW CHANNEL 3 BANDEGE ANT 3**



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



**MID CHANNEL REFERENCE LEVEL LAT3**



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



**HIGH CHANNEL 9 BANDEDGE ANT 3**



**OUT-OF-BAND HIGH CHANNEL 9 ANT 3**

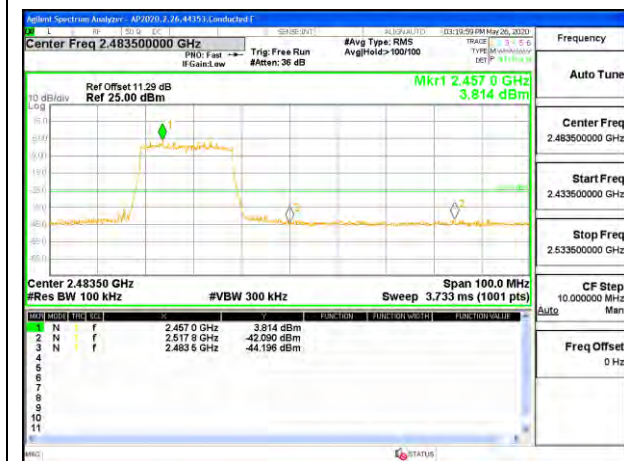




**HIGH CHANNEL 10 BANDEGE ANT 3**



**OUT-OF-BAND HIGH CHANNEL 10 ANT 3**



**HIGH CHANNEL 11 BANDEGE ANT 3**



**OUT-OF-BAND HIGH CHANNEL 11 ANT 3**



**HIGH CHANNEL 12 BANDEGE ANT 3**



**OUT-OF-BAND HIGH CHANNEL 12 ANT 3**



**HIGH CHANNEL 13 BANDEDGE ANT 3**



**OUT-OF-BAND HIGH CHANNEL 13 ANT 3**

## 10. RADIATED TEST RESULTS

### 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.

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. No emission was found.

**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**

Besides 802.11b 2TX and HT20 CDD, for 802.11ax OFDMA modes use mode with highest PSD and mode with highest total power only within each band.

802.11b 2TX, HT20 CDD, 802.11ax OFDMA modes are set to maximum power per chain to cover both SISO and MIMO modes to complies with radiated spurious emissions limits in the restricted bands between 1GHz and 18GHz low/mid/high channel (except the band edge).

Spurious emissions for frequencies below 1GHz and above 18GHz were limited to the middle channel as preliminary testing indicated that changing the operating frequency had no significant impact on the emissions in those frequency bands.

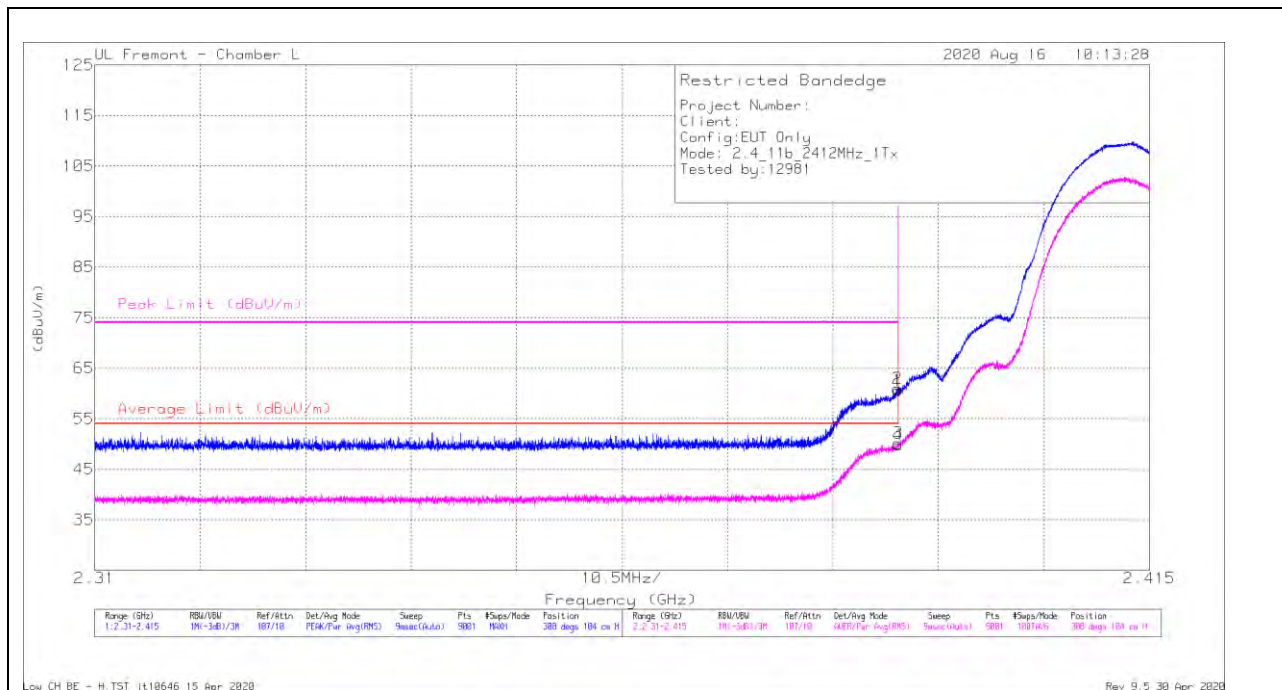
## 10.1. TRANSMITTER ABOVE 1 GHz

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

#### 1TX ANT 4 MODE

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

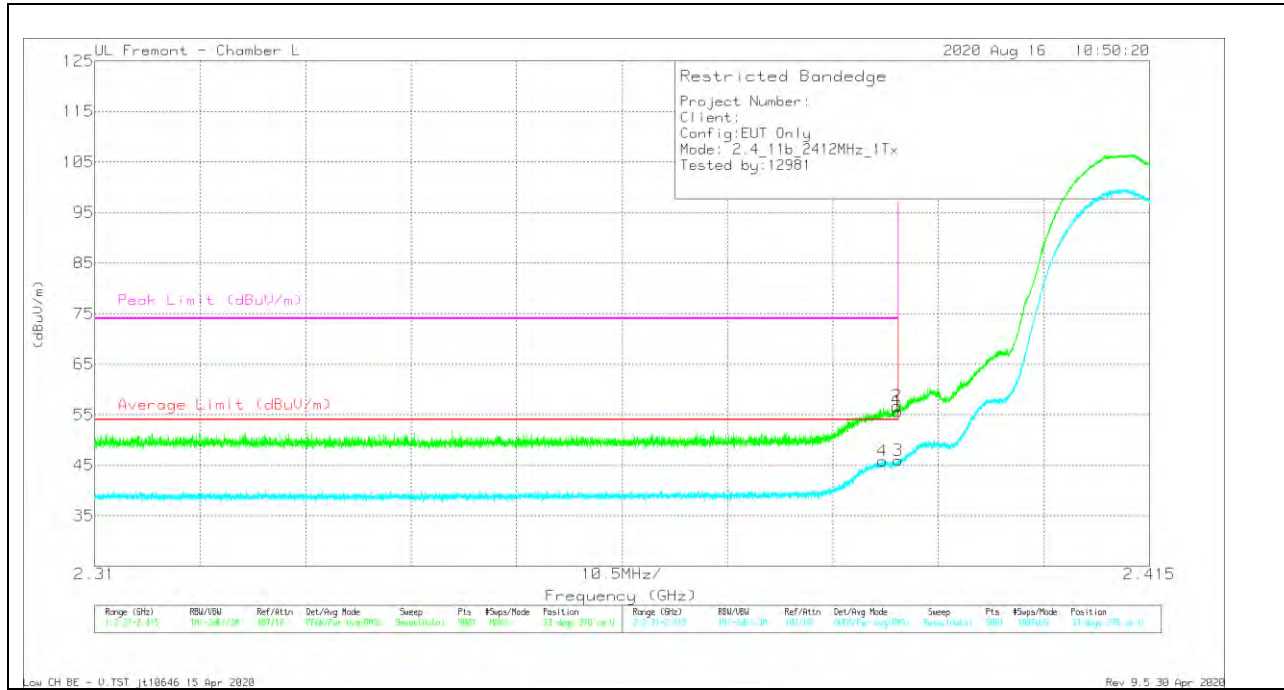
#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbll/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	49.84	Pk	31.9	-21.1	60.64	-	-	74	-13.36	308	104	H
2	* 2.38991	50.2	Pk	31.9	-21.1	61	-	-	74	-13	308	104	H
3	* 2.38999	39.31	RMS	31.9	-21.1	50.11	54	-3.89	-	-	308	104	H
4	* 2.38998	39	RMS	31.9	-21.1	49.8	54	-4.2	-	-	308	104	H

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

### VERTICAL RESULT

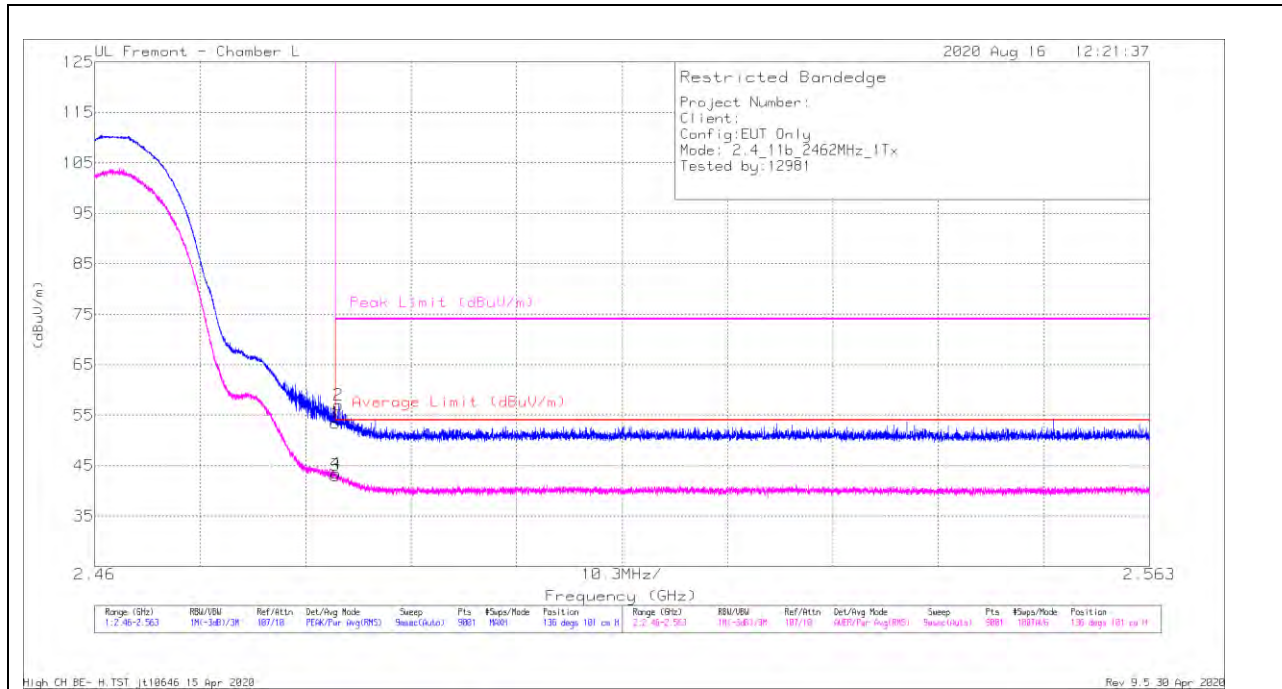


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/CbI/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	44.88	Pk	31.9	-21.1	55.68	-	-	74	-18.32	33	378	V
2	* 2.38983	45.89	Pk	31.9	-21.1	56.69	-	-	74	-17.31	33	378	V
3	* 2.38999	35.14	RMS	31.9	-21.1	45.94	54	-8.06	-	-	33	378	V
4	* 2.38839	35.07	RMS	31.9	-21.1	45.87	54	-8.13	-	-	33	378	V

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

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

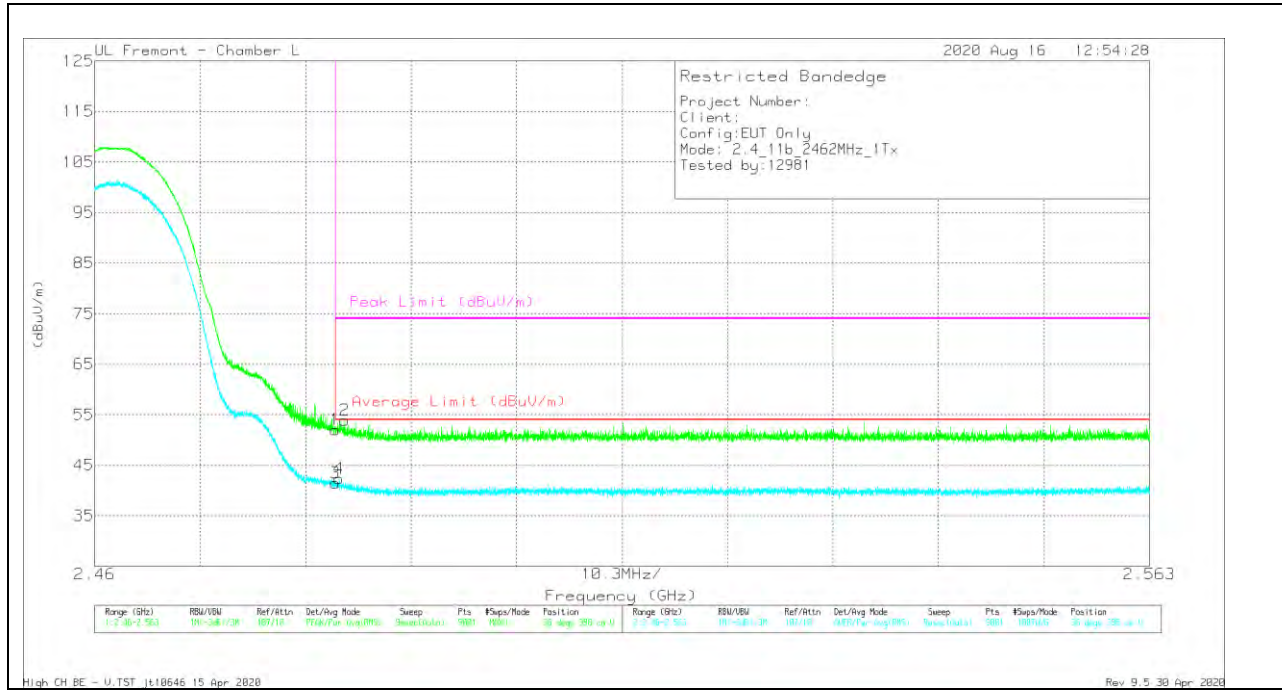
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.01	Pk	32.3	-20.9	53.41	-	-	74	-20.59	136	101	H
2	* 2.48378	45.54	Pk	32.3	-20.9	56.94	-	-	74	-17.06	136	101	H
3	* 2.48351	31.63	RMS	32.3	-20.9	43.03	54	-10.97	-	-	136	101	H
4	* 2.48355	32.04	RMS	32.3	-20.9	43.44	54	-10.56	-	-	136	101	H

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

### VERTICAL RESULT



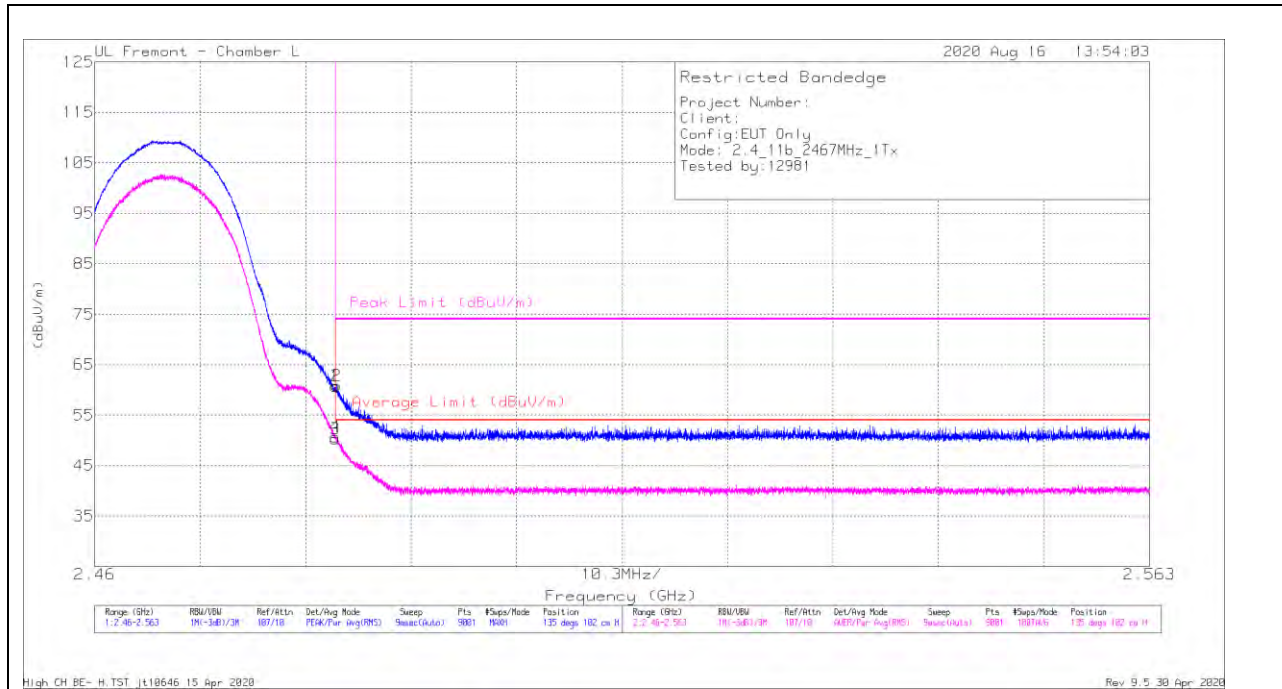
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.61	Pk	32.3	-20.9	52.01	-	-	74	-21.99	36	398	V
2	* 2.48442	42.5	Pk	32.3	-20.9	53.9	-	-	74	-20.1	36	398	V
3	* 2.48351	30.13	RMS	32.3	-20.9	41.53	54	-12.47	-	-	36	398	V
4	* 2.48388	30.99	RMS	32.3	-20.9	42.39	54	-11.61	-	-	36	398	V

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



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

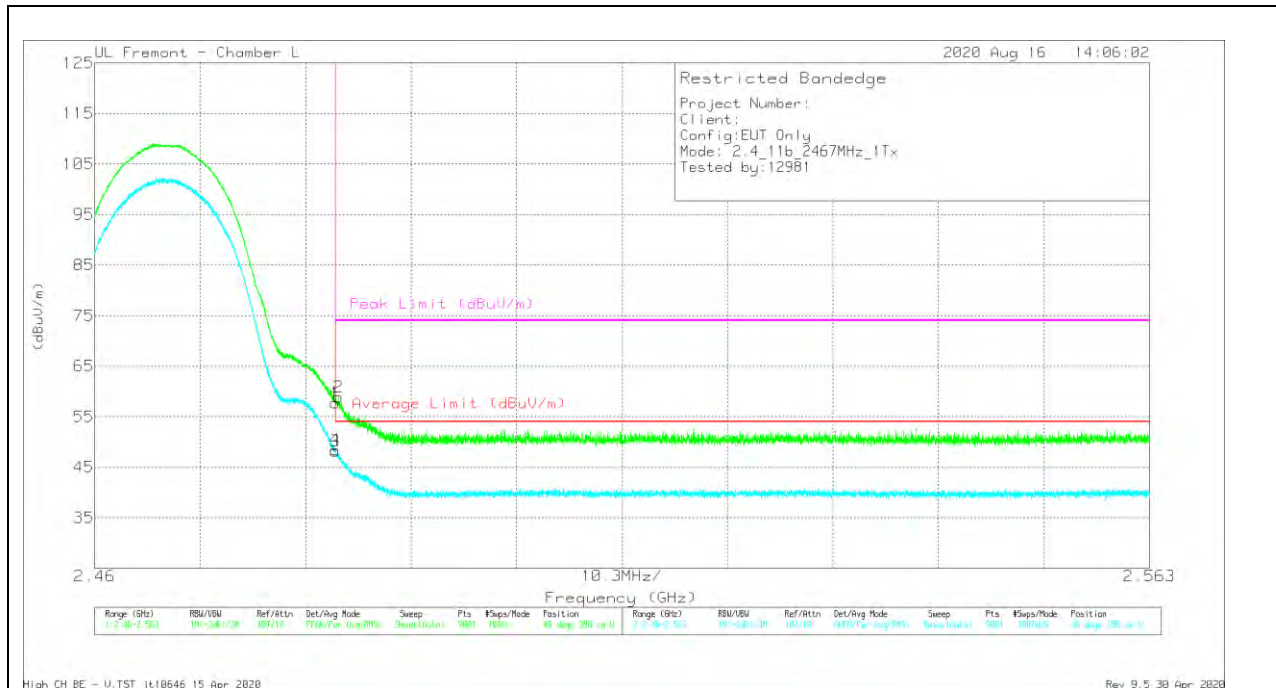
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.29	Pk	32.3	-20.9	60.69	-	-	74	-13.31	135	102	H
2	* 2.48362	49.41	Pk	32.3	-20.9	60.81	-	-	74	-13.19	135	102	H
3	* 2.48351	38.84	RMS	32.3	-20.9	50.24	54	-3.76	-	-	135	102	H
4	* 2.48352	39.22	RMS	32.3	-20.9	50.62	54	-3.38	-	-	135	102	H

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

### VERTICAL RESULT

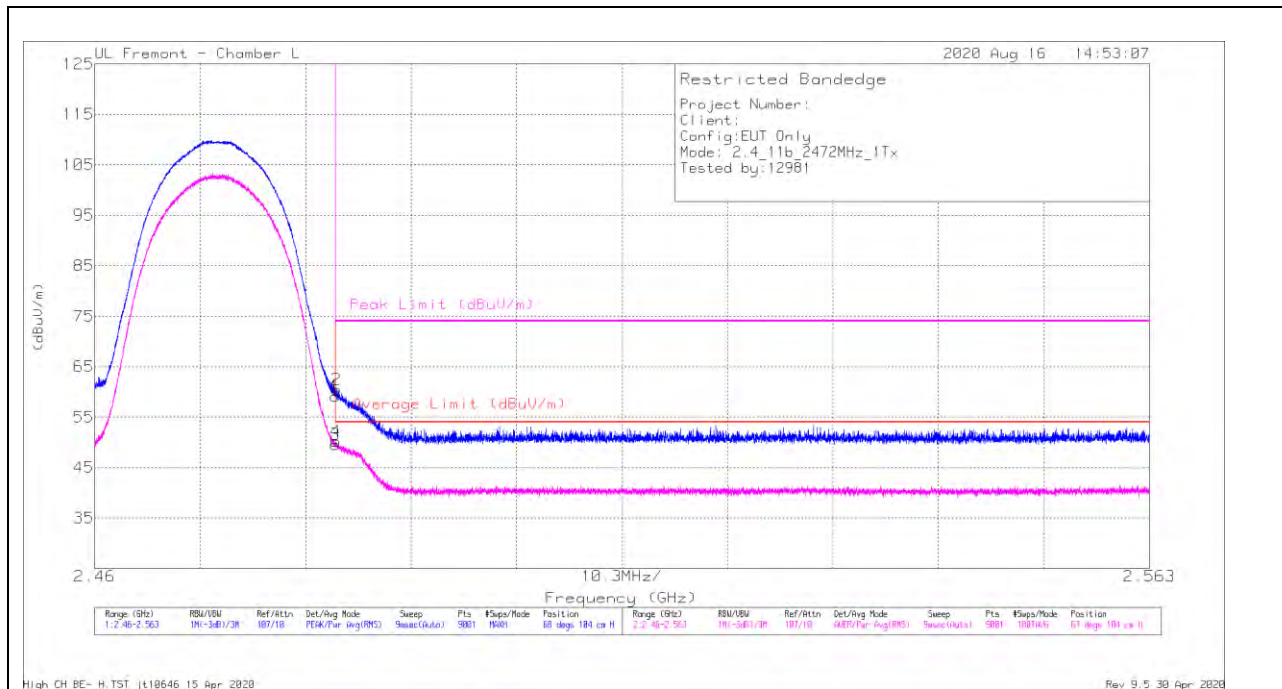


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbll/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	46.39	Pk	32.3	-20.9	57.79	-	-	74	-16.21	46	398	V
2	* 2.48383	47.46	Pk	32.3	-20.9	58.86	-	-	74	-15.14	46	398	V
3	* 2.48351	36.75	RMS	32.3	-20.9	48.15	54	-5.85	-	-	46	398	V
4	* 2.48352	37.08	RMS	32.3	-20.9	48.48	54	-5.52	-	-	46	398	V

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

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

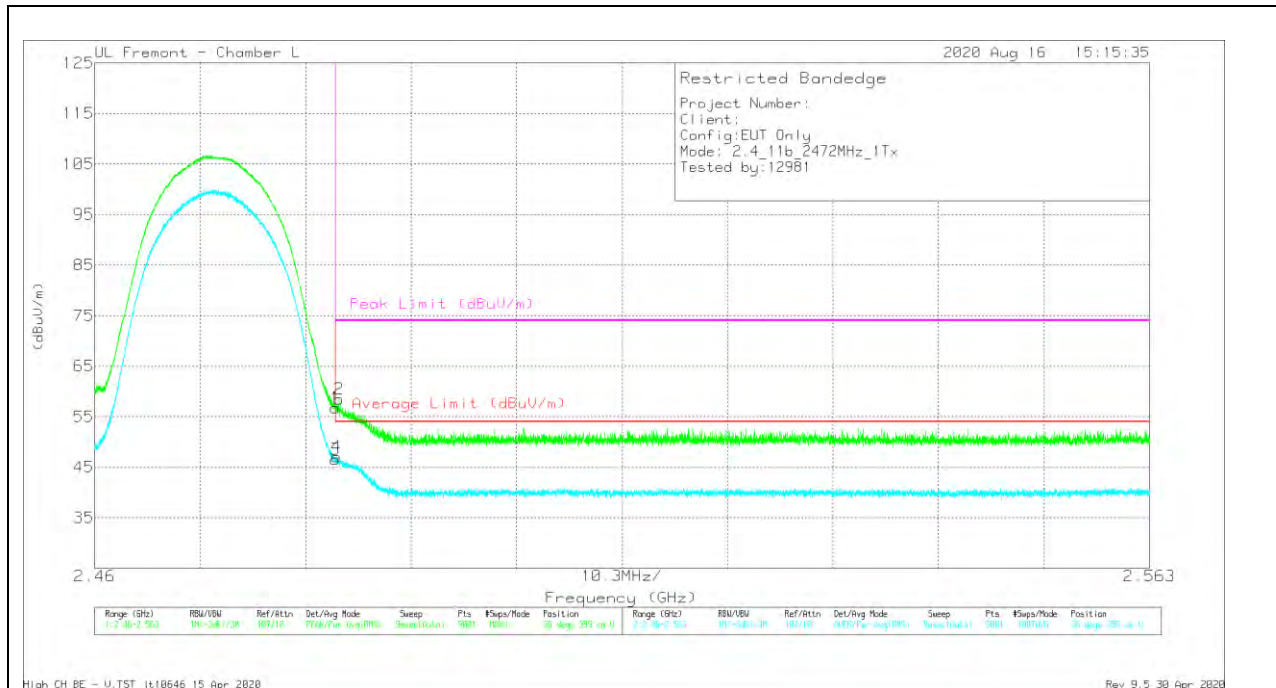
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Fitr/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	*2.48351	47.71	Pk	32.3	-20.9	59.11	-	-	74	-14.89	68	104	H
2	*2.48364	49.05	Pk	32.3	-20.9	60.45	-	-	74	-13.55	68	104	H
3	*2.48351	38.13	RMS	32.3	-20.9	49.53	54	-4.47	-	-	67	104	H
4	*2.48353	38.8	RMS	32.3	-20.9	50.2	54	-3.8	-	-	67	104	H

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

### VERTICAL RESULT

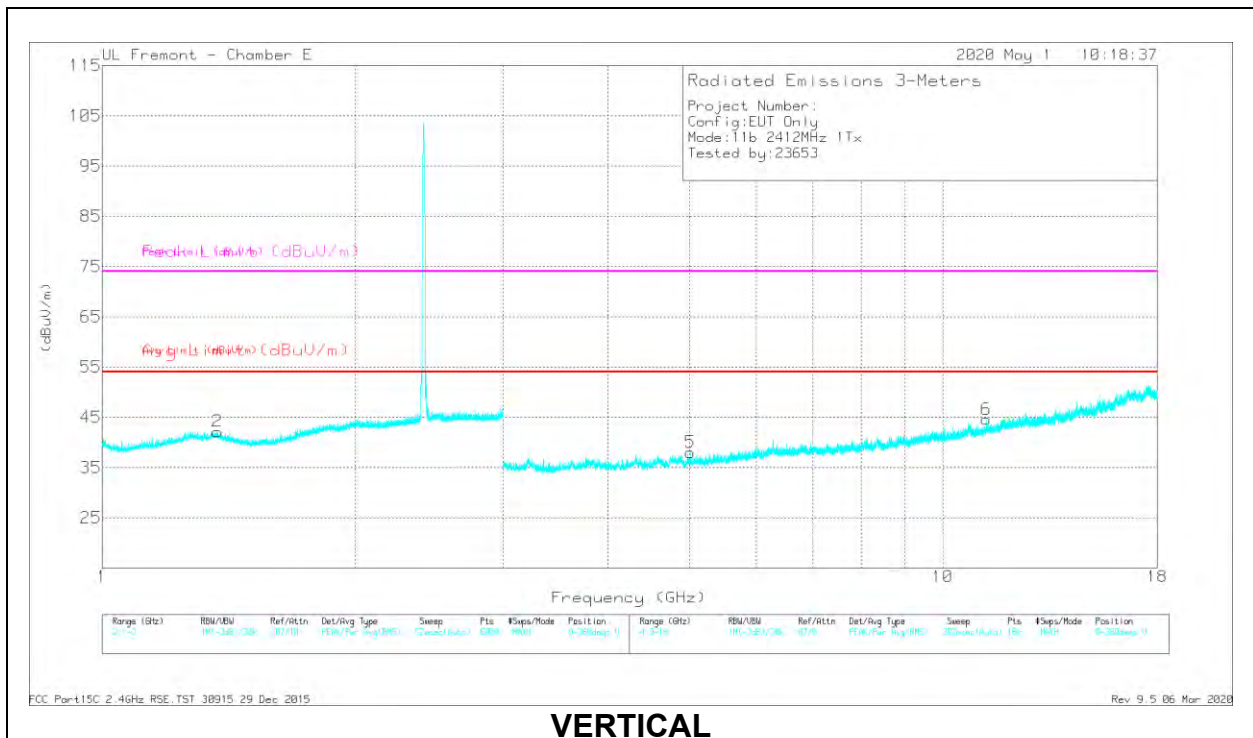
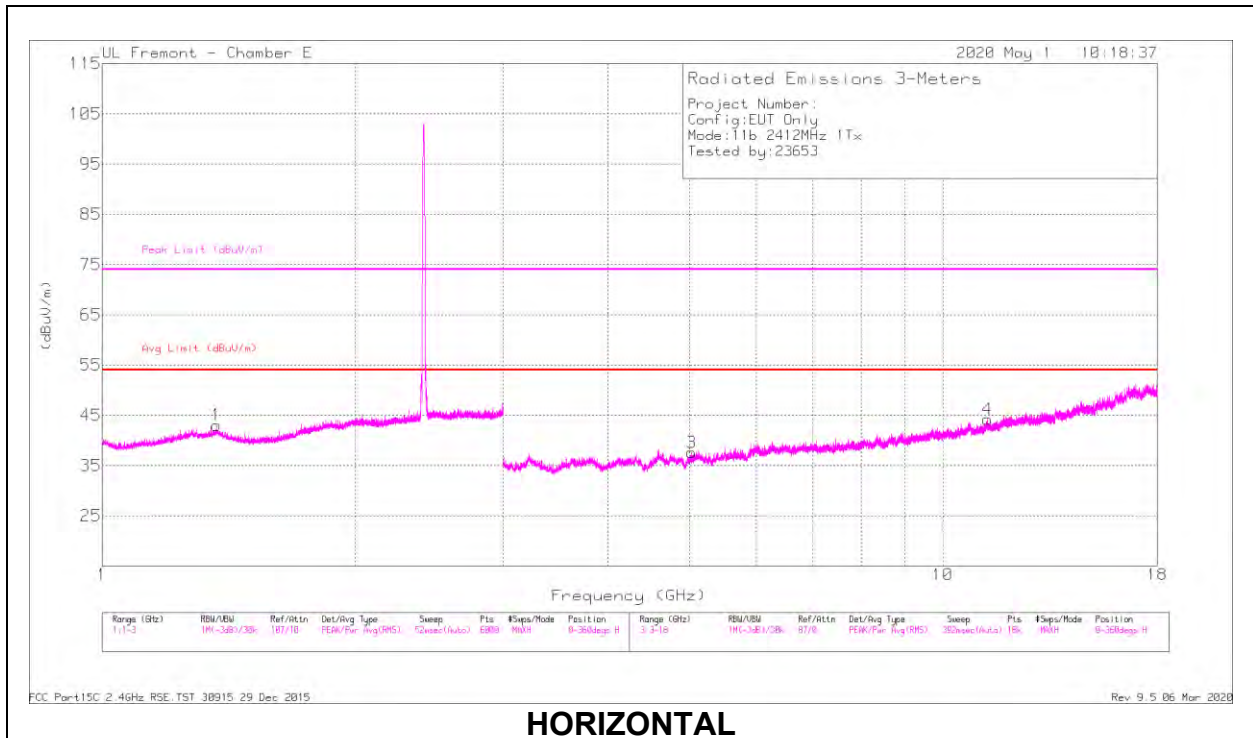


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbll/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	45.32	Pk	32.3	-20.9	56.72	-	-	74	-17.28	36	399	V
2	* 2.48385	47.06	Pk	32.3	-20.9	58.46	-	-	74	-15.54	36	399	V
3	* 2.48351	35.13	RMS	32.3	-20.9	46.53	54	-7.47	-	-	36	399	V
4	* 2.48362	35.65	RMS	32.3	-20.9	47.05	54	-6.95	-	-	36	399	V

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

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL, CH 1 RESULTS



**RADIATED EMISSIONS**

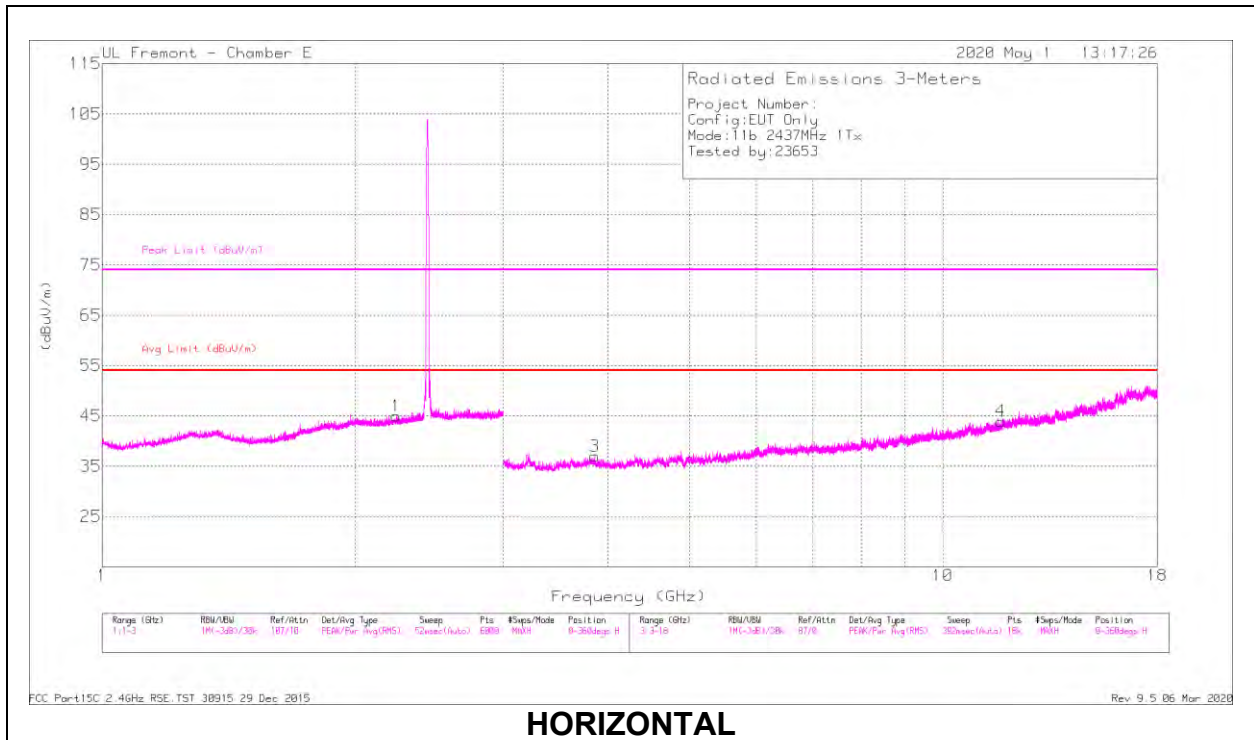
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.36853	46.26	PK2	29.8	-26.3	49.76	-	-	74	-24.24	85	181	H
	* 1.36636	34.36	MAv1	29.8	-26.4	37.76	54	-16.24	-	-	85	181	H
2	* 1.37177	46	PK2	29.7	-26.4	49.3	-	-	74	-24.7	185	247	V
	* 1.37175	34.3	MAv1	29.7	-26.4	37.6	54	-16.4	-	-	185	247	V
3	* 5.02731	40.99	PK2	34.1	-31.8	43.29	-	-	74	-30.71	255	204	H
	* 5.02528	29.74	MAv1	34.1	-31.8	32.04	54	-21.96	-	-	255	204	H
4	* 11.30125	36.07	PK2	37.8	-23.2	50.67	-	-	74	-23.33	303	174	H
	* 11.30328	24.73	MAv1	37.8	-23.2	39.33	54	-14.67	-	-	303	174	H
5	* 5.0074	41.17	PK2	34.1	-31.7	43.57	-	-	74	-30.43	255	189	V
	* 5.00743	30.49	MAv1	34.1	-31.7	32.89	54	-21.11	-	-	255	189	V
6	* 11.26637	35.58	PK2	37.8	-23.2	50.18	-	-	74	-23.82	288	130	V
	* 11.26665	24.9	MAv1	37.8	-23.2	39.5	54	-14.5	-	-	288	130	V

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

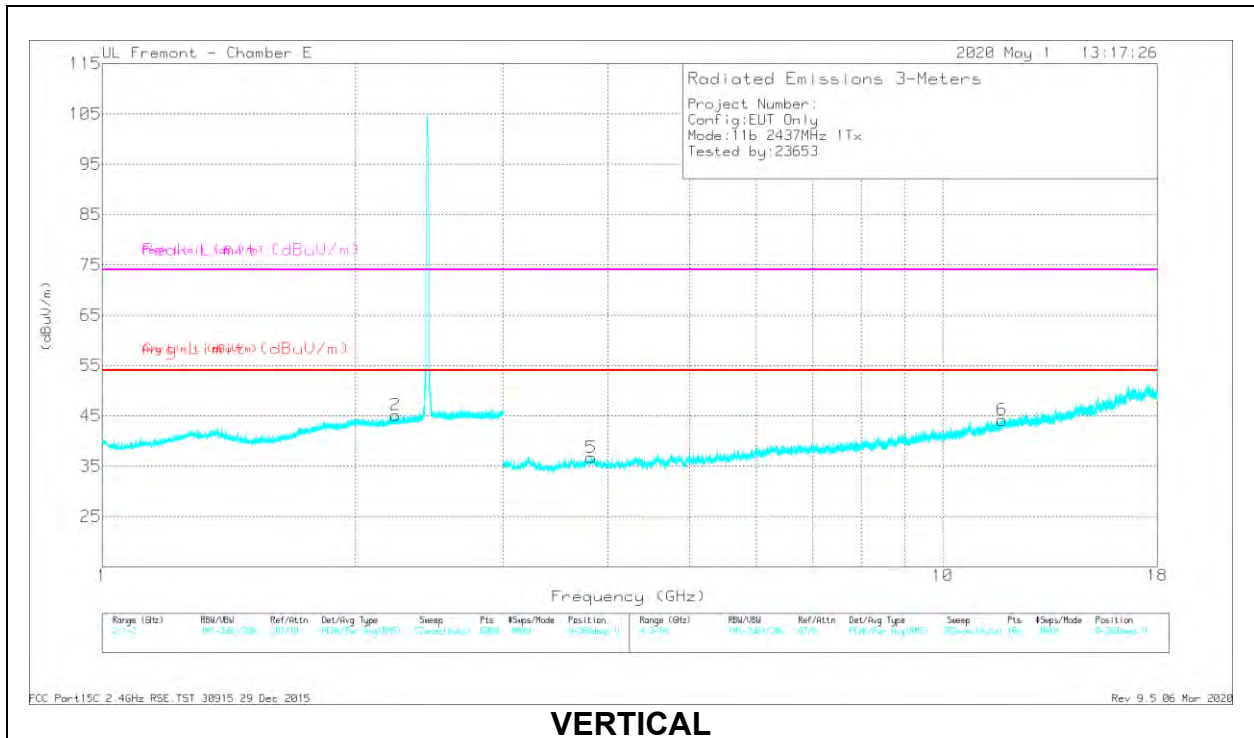
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.23694	46.42	PK2	31.8	-26.4	51.82	-	-	74	-22.18	106	227	H
	* 2.23922	34.73	MAv1	31.8	-26.4	40.13	54	-13.87	-	-	106	227	H
2	* 2.23144	46.6	PK2	31.8	-26.5	51.9	-	-	74	-22.1	190	198	V
	* 2.23427	34.62	MAv1	31.8	-26.5	39.92	54	-14.08	-	-	190	198	V
3	* 3.85602	42.05	PK2	33.7	-32.5	43.25	-	-	74	-30.75	324	173	H
	* 3.85513	31.06	MAv1	33.7	-32.5	32.26	54	-21.74	-	-	324	173	H
4	* 11.72072	35.79	PK2	38.2	-23.3	50.69	-	-	74	-23.31	294	165	H
	* 11.71957	24.6	MAv1	38.3	-23.3	39.6	54	-14.4	-	-	294	165	H
5	* 3.81869	43.57	PK2	33.6	-32.9	44.27	-	-	74	-29.73	240	140	V
	* 3.82016	31.8	MAv1	33.6	-32.9	32.5	54	-21.5	-	-	240	140	V
6	* 11.77134	35.8	PK2	38.3	-22.8	51.3	-	-	74	-22.7	176	255	V
	* 11.76787	24.43	MAv1	38.3	-22.8	39.93	54	-14.07	-	-	176	255	V

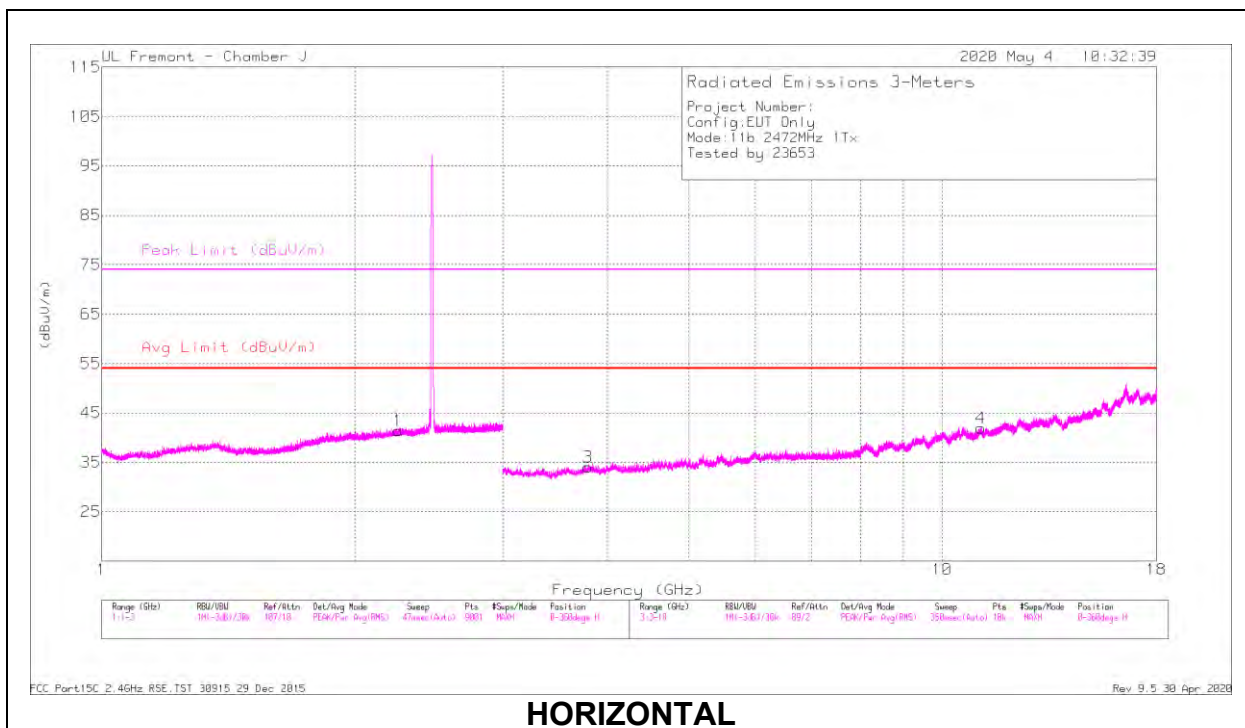
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

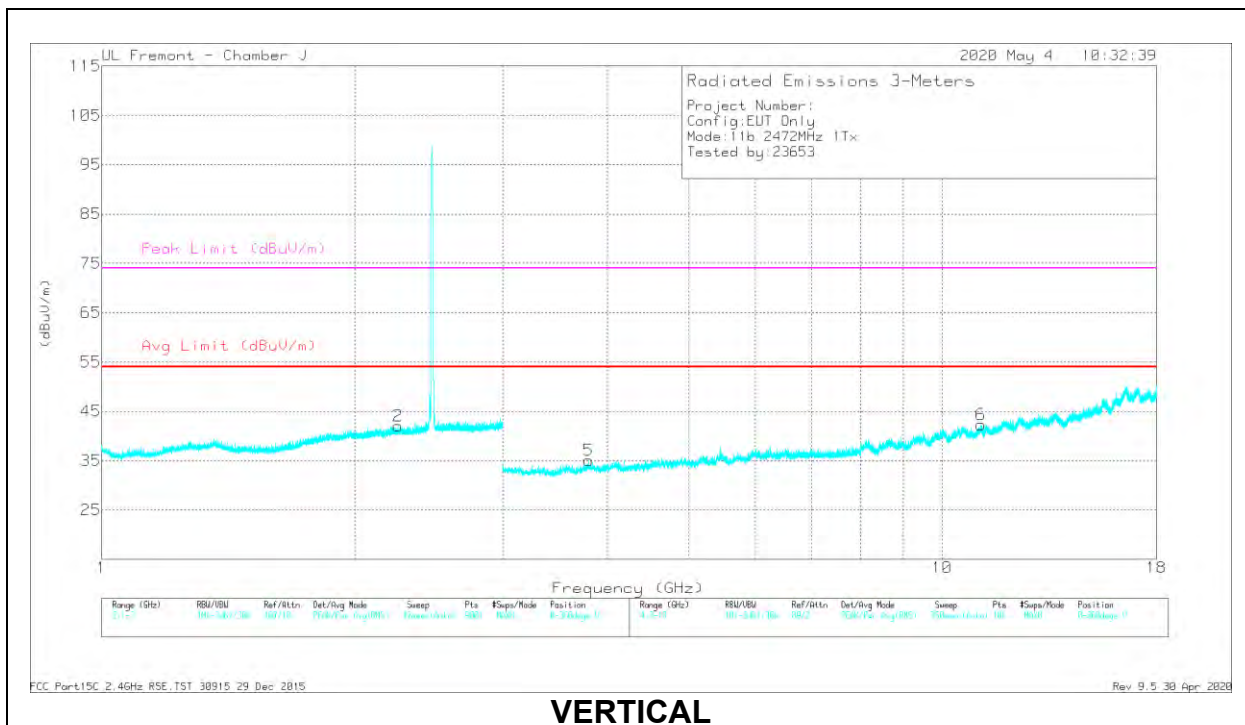
MAv1 - KDB558074 Option 1 Maximum RMS Average



### HIGH CHANNEL, CH 13 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.25183	43.71	PK2	31.7	-25.6	49.81	-	-	74	-24.19	272	347	H
	* 2.2517	33.56	MAv1	31.7	-25.6	39.66	54	-14.34	-	-	272	347	H
2	* 2.25357	43.59	PK2	31.7	-25.6	49.69	-	-	74	-24.31	154	127	V
	* 2.25433	32.85	MAv1	31.7	-25.6	38.95	54	-15.05	-	-	154	127	V
3	* 3.79401	41.63	PK2	33.5	-32.5	42.63	-	-	74	-31.37	232	139	H
	* 3.79411	30.92	MAv1	33.5	-32.5	31.92	54	-22.08	-	-	232	139	H
4	* 11.13071	35.07	PK2	38	-22.8	50.27	-	-	74	-23.73	289	212	H
	* 11.13262	24.51	MAv1	38	-22.9	39.61	54	-14.39	-	-	289	212	H
5	* 3.79914	41.08	PK2	33.6	-32.4	42.28	-	-	74	-31.72	47	158	V
	* 3.80075	31.45	MAv1	33.5	-32.4	32.55	54	-21.45	-	-	47	158	V
6	* 11.13471	34.68	PK2	38	-22.9	49.78	-	-	74	-24.22	148	291	V
	* 11.13829	24.16	MAv1	38	-22.9	39.26	54	-14.74	-	-	148	291	V

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

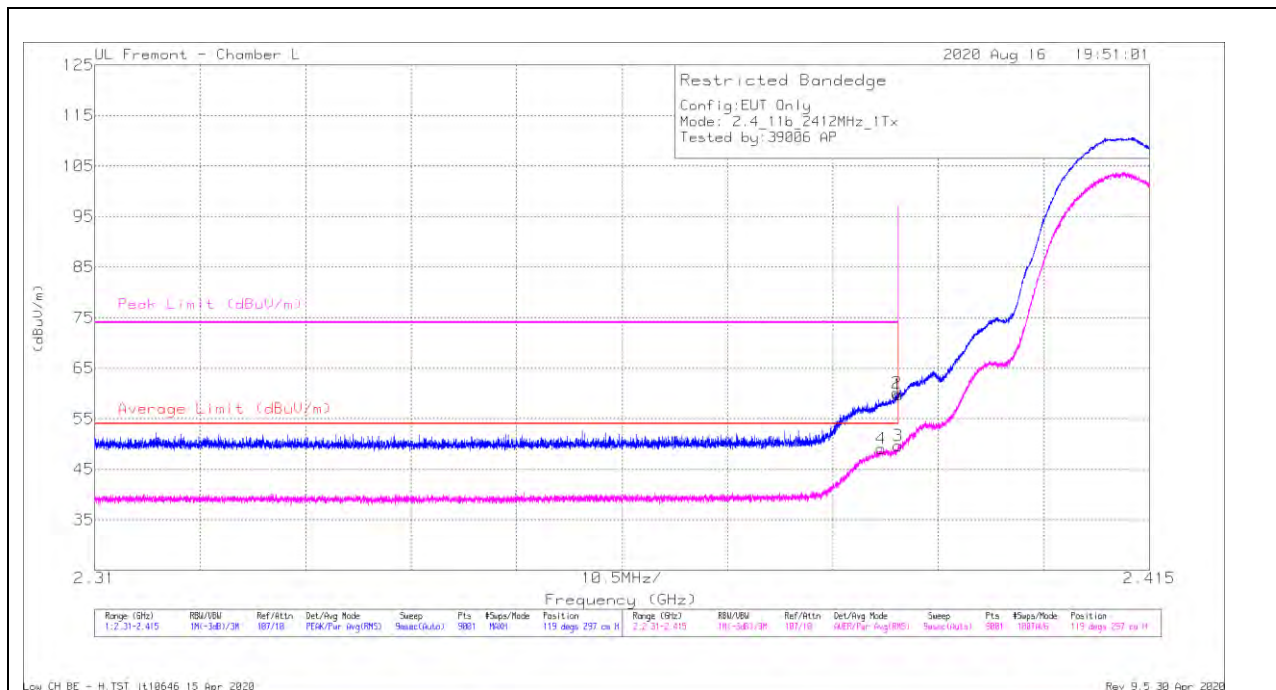
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**1TX ANT 3 MODE**

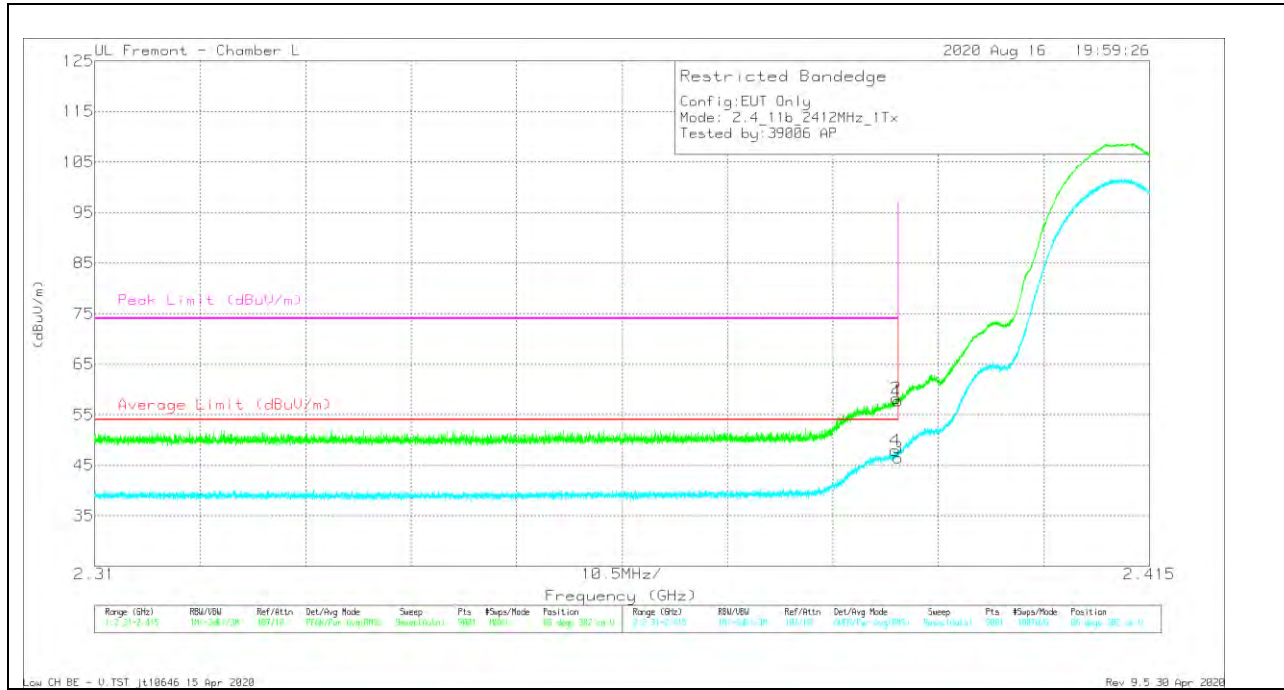
**BANDEDGE (LOW CHANNEL, CH 1)**

**HORIZONTAL RESULT**



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

### VERTICAL RESULT

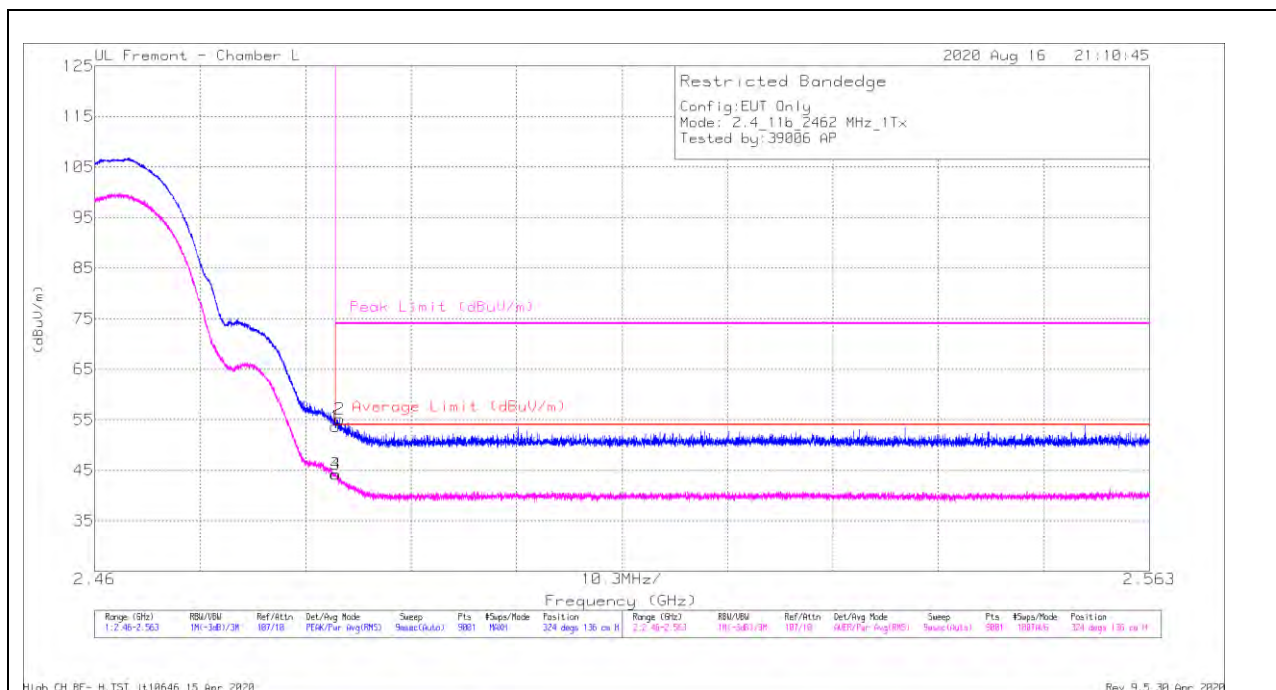


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbll/Filtr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	46.92	Pk	31.9	-21.1	57.72	-	-	74	-16.28	86	382	V
2	* 2.38979	47.46	Pk	31.9	-21.1	58.26	-	-	74	-15.74	86	382	V
3	* 2.38999	35.61	RMS	31.9	-21.1	46.41	54	-7.59	-	-	86	382	V
4	* 2.3897	37.08	RMS	31.9	-21.1	47.88	54	-6.12	-	-	86	382	V

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

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

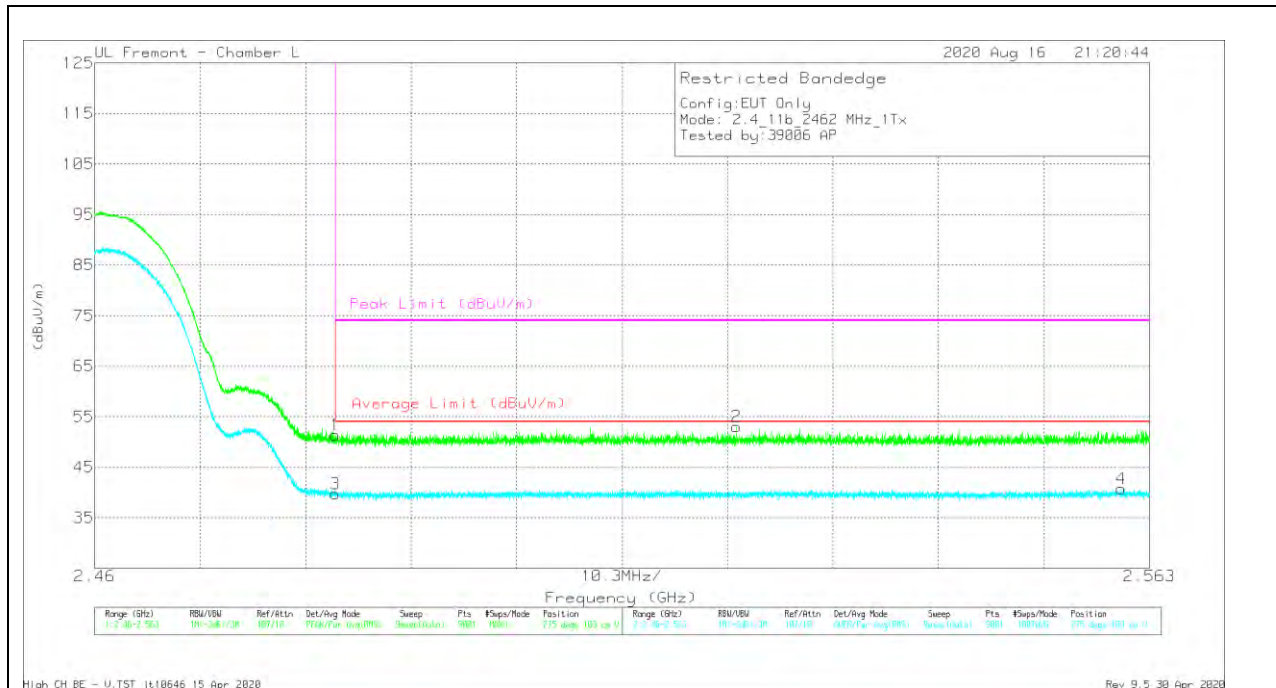
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (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	* 2.48351	42.19	Pk	32.3	-20.9	53.59	-	-	74	-20.41	324	136	H
2	* 2.48391	43.75	Pk	32.3	-20.9	55.15	-	-	74	-18.85	324	136	H
3	* 2.48351	32.82	RMS	32.3	-20.9	44.22	54	-9.78	-	-	324	136	H
4	* 2.48356	32.85	RMS	32.3	-20.9	44.25	54	-9.75	-	-	324	136	H

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

### VERTICAL RESULT

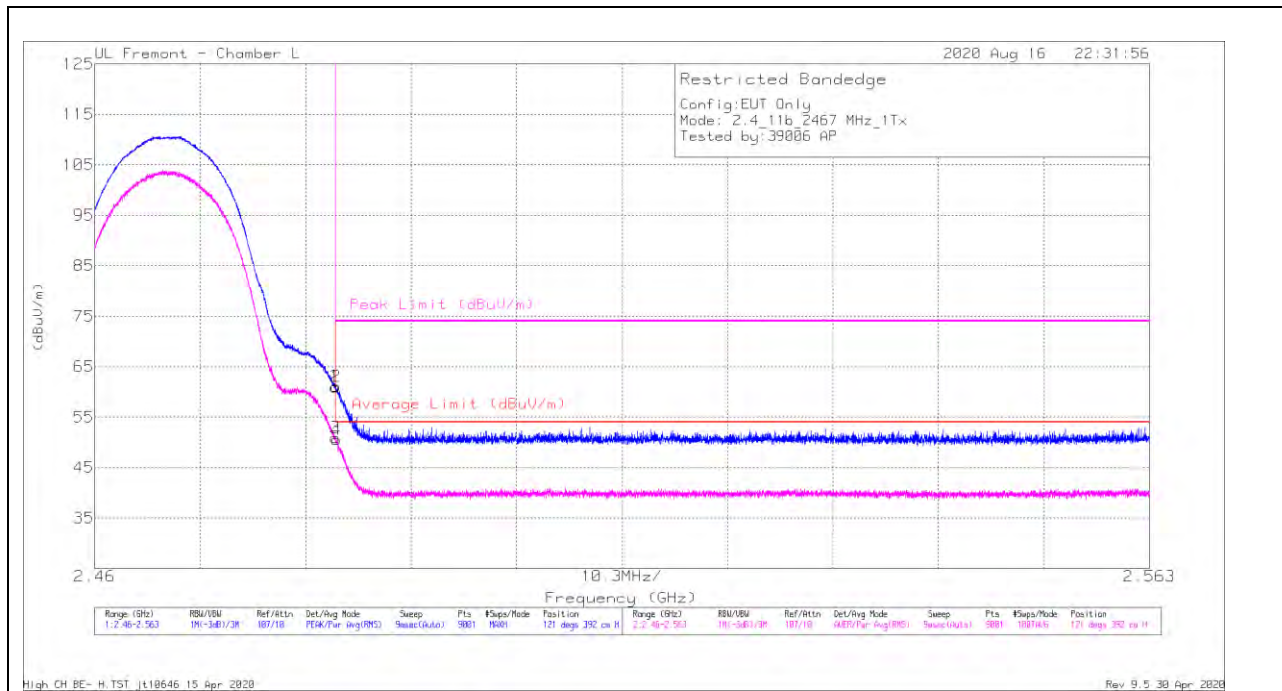


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	39.95	Pk	32.3	-20.9	51.35	-	-	74	-22.65	275	103	V
2	2.52268	41.58	Pk	32.3	-20.9	52.98	-	-	74	-21.02	275	103	V
3	* 2.48351	28.37	RMS	32.3	-20.9	39.77	54	-14.23	-	-	275	103	V
4	2.56023	29.17	RMS	32.4	-20.8	40.77	54	-13.23	-	-	275	103	V

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

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

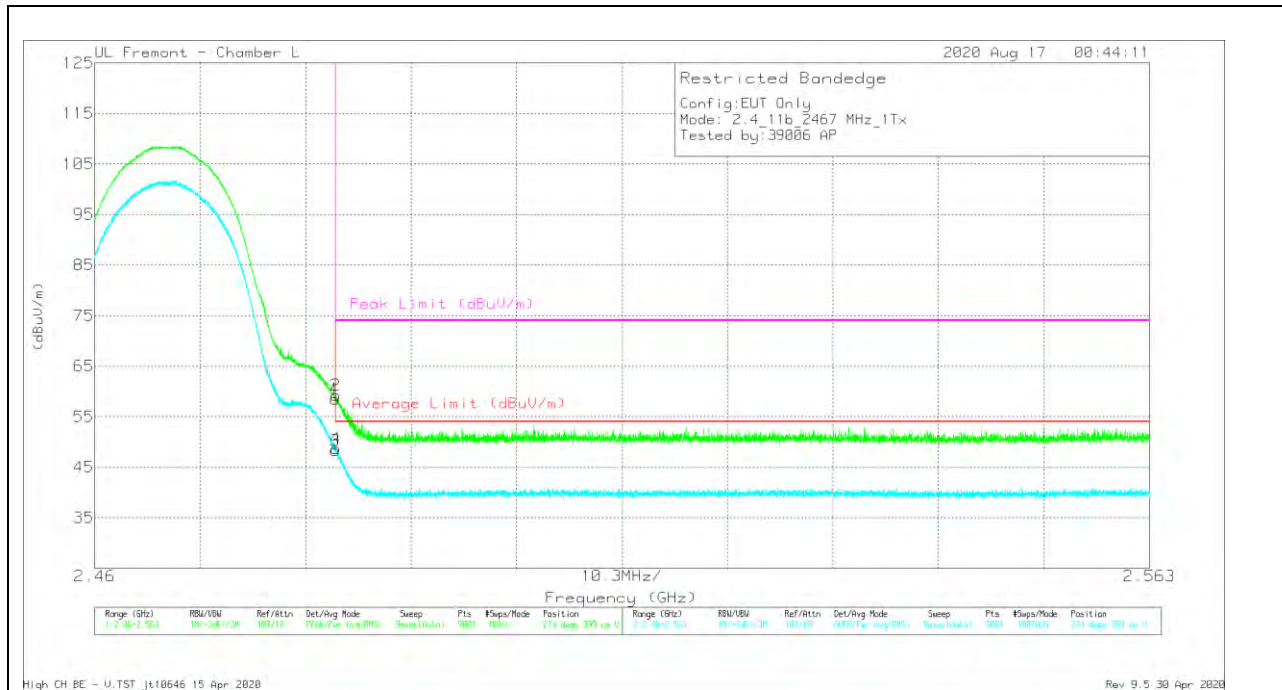
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.63	Pk	32.3	-20.9	61.03	-	-	74	-12.97	121	392	H
2	* 2.48353	49.68	Pk	32.3	-20.9	61.08	-	-	74	-12.92	121	392	H
3	* 2.48351	39.54	RMS	32.3	-20.9	50.94	54	-3.06	-	-	121	392	H
4	* 2.48364	39.16	RMS	32.3	-20.9	50.56	54	-3.44	-	-	121	392	H

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

### VERTICAL RESULT



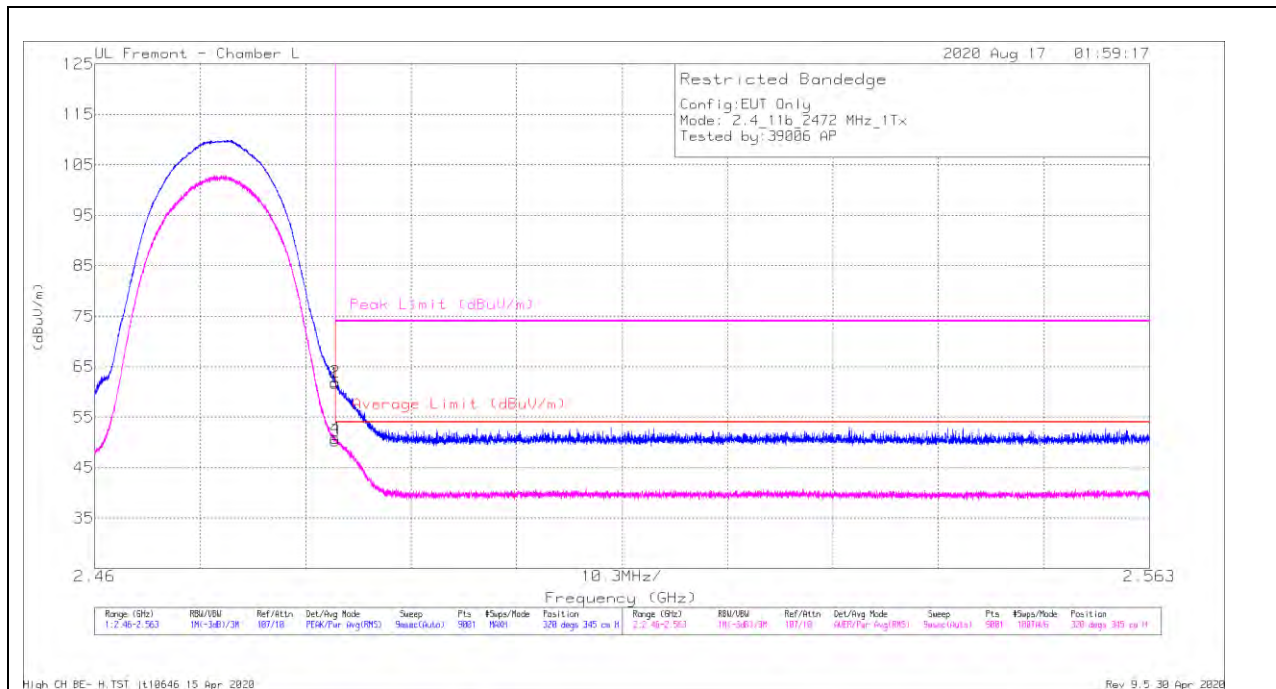
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbll/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	47.04	Pk	32.3	-20.9	58.44	-	-	74	-15.56	274	399	V
2	*2.48355	47.81	Pk	32.3	-20.9	59.21	-	-	74	-14.79	274	399	V
3	*2.48351	36.92	RMS	32.3	-20.9	48.32	54	-5.68	-	-	274	399	V
4	*2.48355	37.26	RMS	32.3	-20.9	48.66	54	-5.34	-	-	274	399	V

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



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

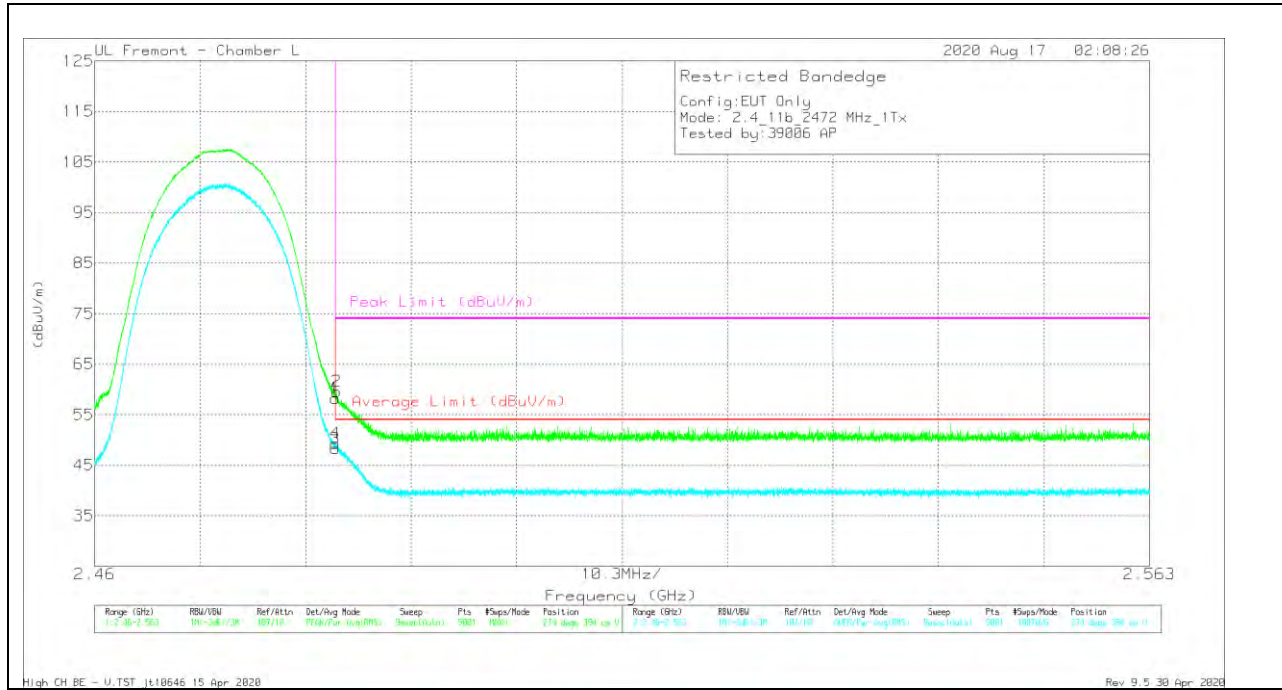
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	50.29	Pk	32.3	-20.9	61.69	-	-	74	-12.31	320	345	H
2	* 2.48352	50.55	Pk	32.3	-20.9	61.95	-	-	74	-12.05	320	345	H
3	* 2.48351	38.93	RMS	32.3	-20.9	50.33	54	-3.67	-	-	320	345	H
4	* 2.48352	39.37	RMS	32.3	-20.9	50.77	54	-3.23	-	-	320	345	H

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

### VERTICAL RESULT

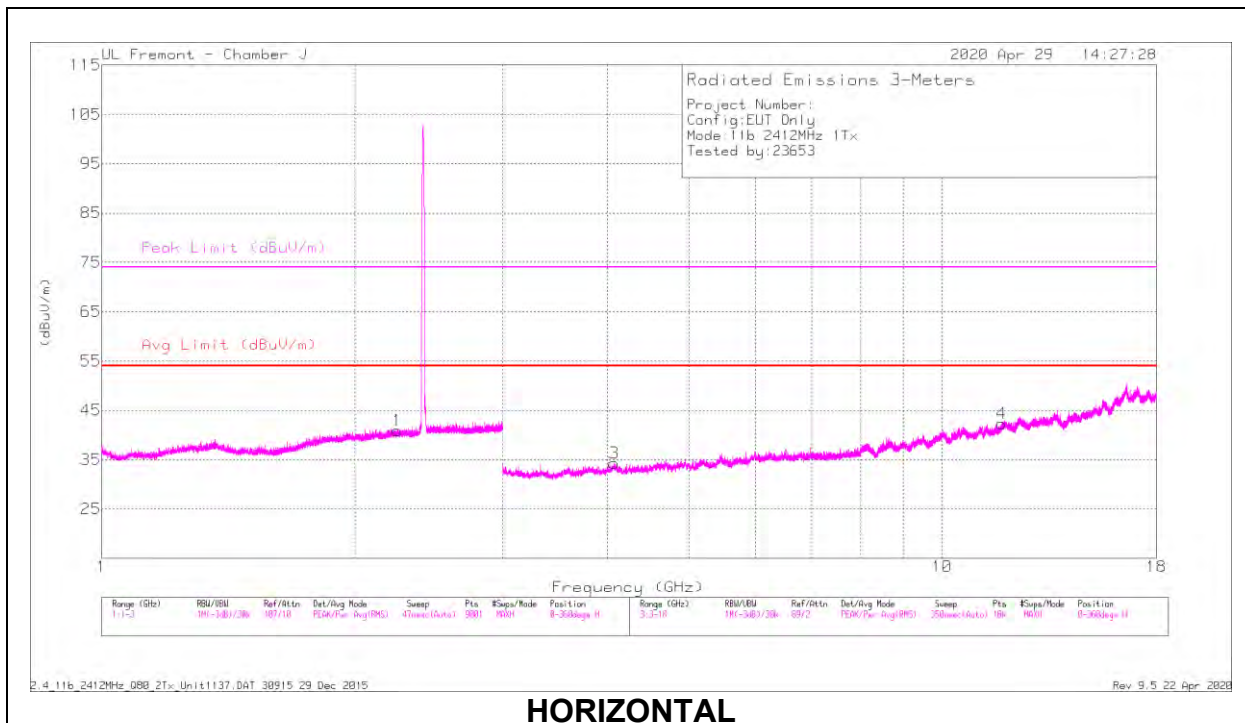


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/CbI/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	46.84	Pk	32.3	-20.9	58.24	-	-	74	-15.76	274	394	V
2	* 2.48364	48.24	Pk	32.3	-20.9	59.64	-	-	74	-14.36	274	394	V
3	* 2.48351	36.93	RMS	32.3	-20.9	48.33	54	-5.67	-	-	274	394	V
4	* 2.48352	37.94	RMS	32.3	-20.9	49.34	54	-4.66	-	-	274	394	V

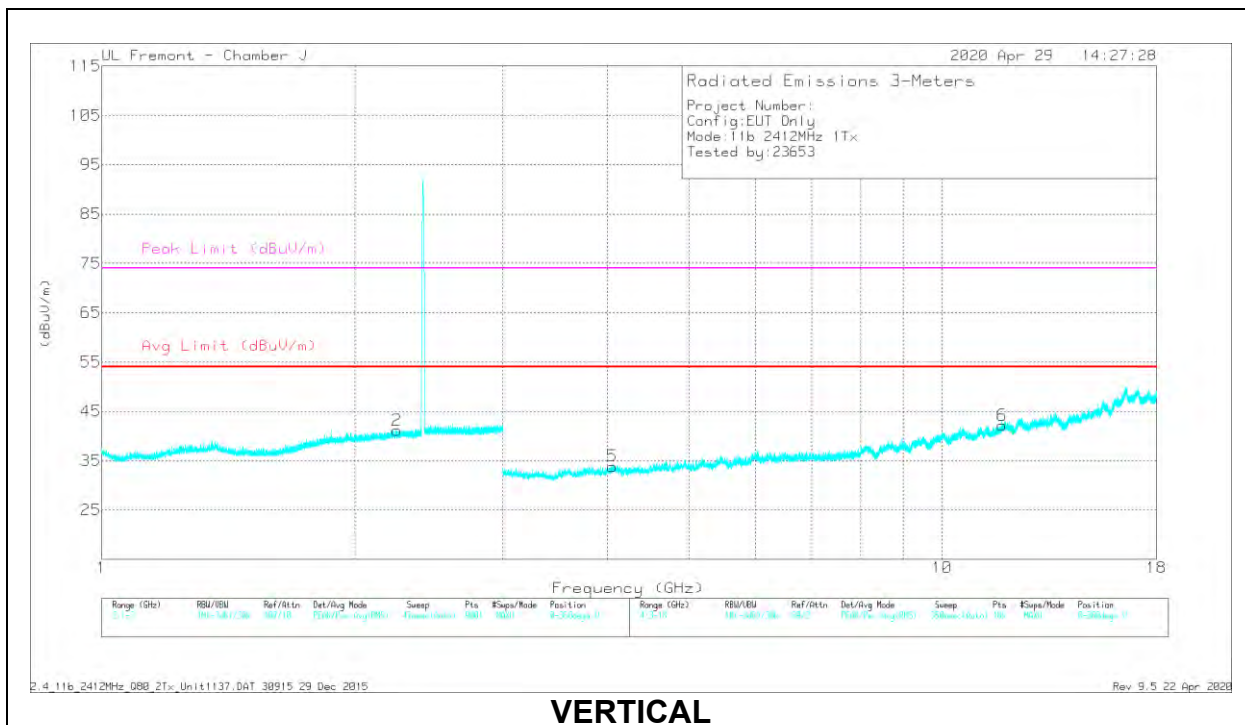
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



VERTICAL

**RADIATED EMISSIONS**

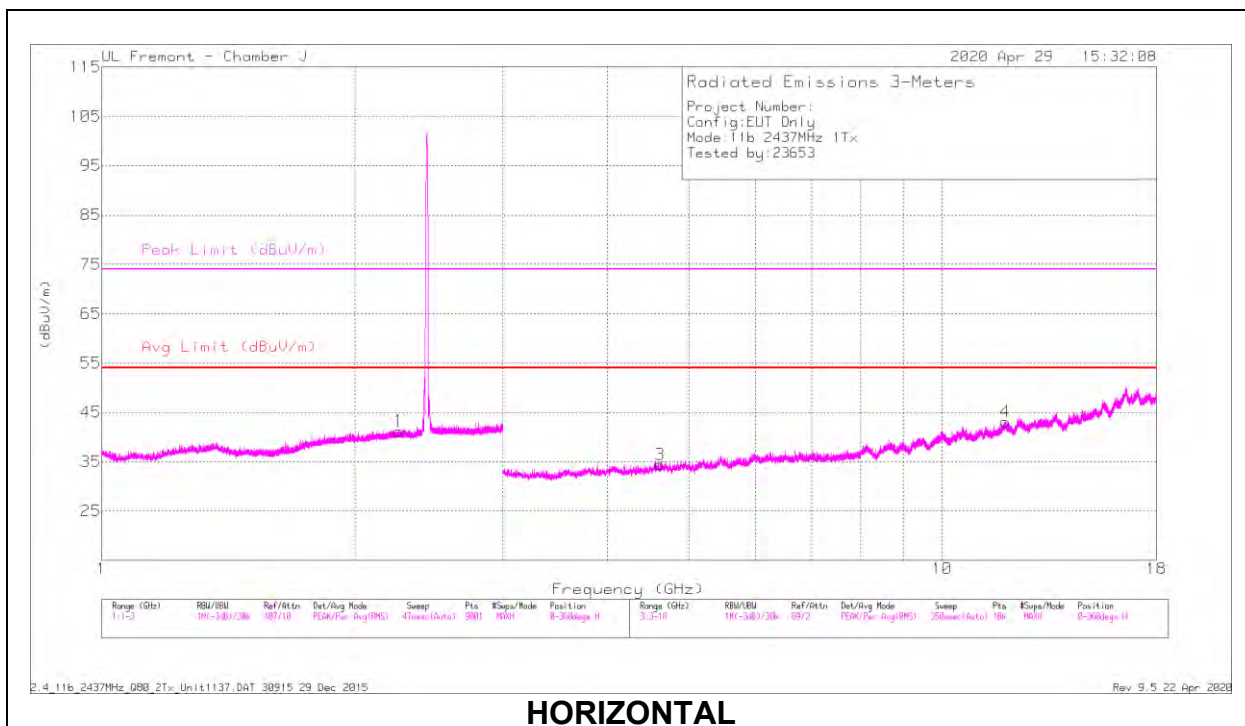
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.2492	43.29	PK2	31.7	-25.6	49.39	-	-	74	-24.61	99	312	H
	* 2.24797	32.47	MAv1	31.7	-25.6	38.57	54	-15.43	-	-	99	312	H
2	* 2.24502	42.35	PK2	31.7	-25.6	48.45	-	-	74	-25.55	124	107	V
	* 2.24378	32.5	MAv1	31.7	-25.6	38.6	54	-15.4	-	-	124	107	V
3	* 4.07216	39.65	PK2	33.7	-31.4	41.95	-	-	74	-32.05	163	217	H
	* 4.07184	29.75	MAv1	33.7	-31.5	31.95	54	-22.05	-	-	163	217	H
4	* 11.7852	33.11	PK2	38.5	-21.9	49.71	-	-	74	-24.29	268	189	H
	* 11.78382	23.24	MAv1	38.4	-21.9	39.74	54	-14.26	-	-	268	189	H
5	* 4.05159	40.03	PK2	33.5	-31.8	41.73	-	-	74	-32.27	280	207	V
	* 4.05521	29.81	MAv1	33.5	-31.7	31.61	54	-22.39	-	-	280	207	V
6	* 11.80122	33.75	PK2	38.5	-21.8	50.45	-	-	74	-23.55	30	175	V
	* 11.80125	23.3	MAv1	38.5	-21.8	40	54	-14	-	-	30	175	V

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

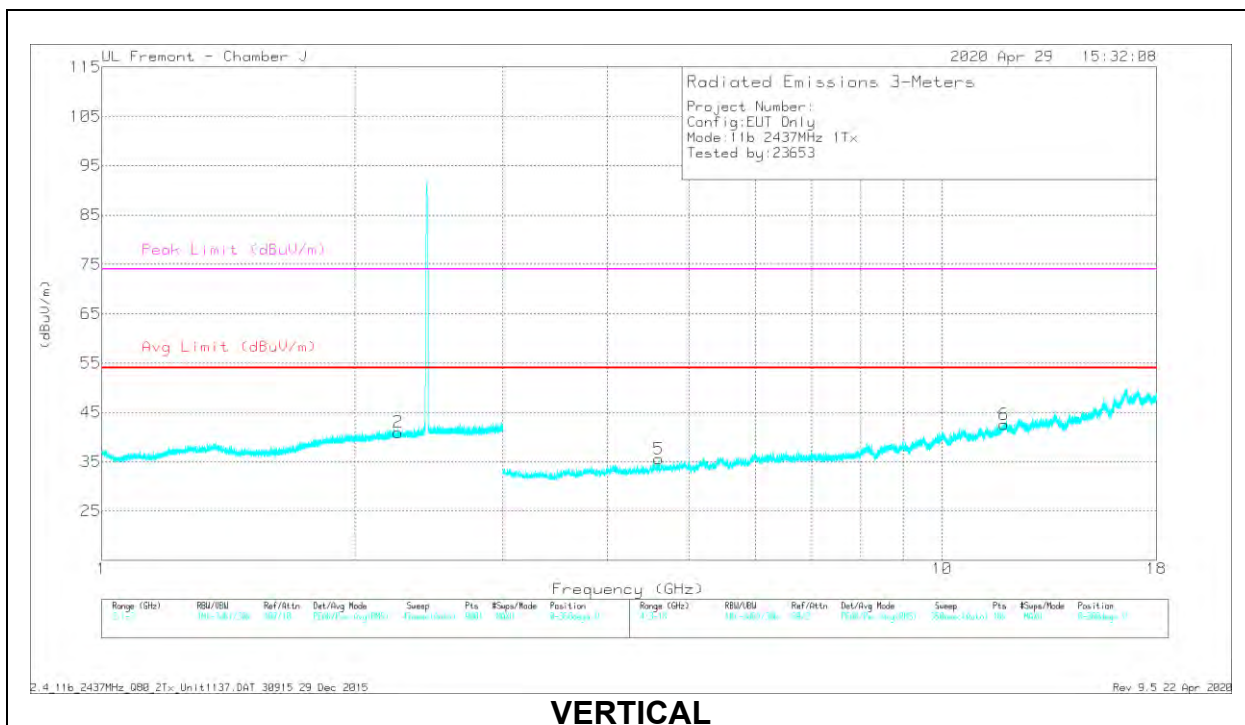
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

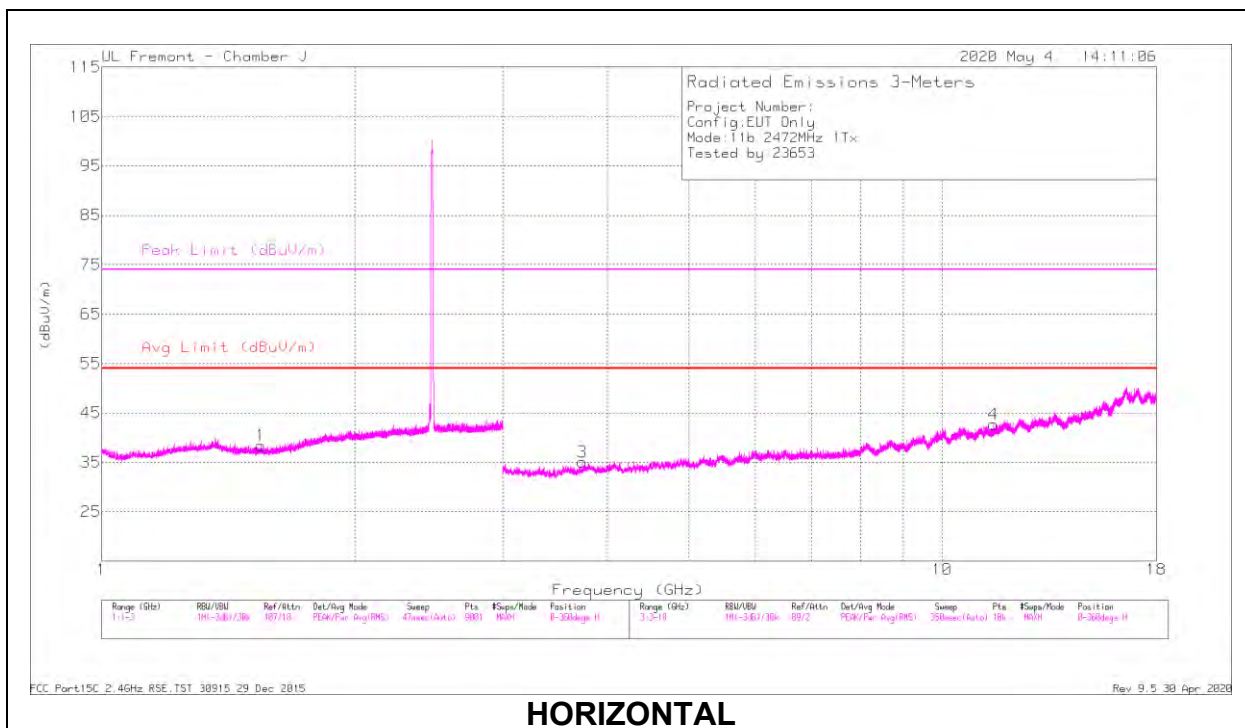
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Prod (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.25816	43.94	PK2	31.7	-25.6	50.04	-	-	74	-23.96	89	180	H
	* 2.25786	32.65	MAv1	31.7	-25.6	38.75	54	-15.25	-	-	89	180	H
2	* 2.25137	43.21	PK2	31.7	-25.6	49.31	-	-	74	-24.69	135	223	V
	* 2.25137	32.68	MAv1	31.7	-25.6	38.78	54	-15.22	-	-	135	223	V
3	* 4.61843	39.29	PK2	34.2	-31.1	42.39	-	-	74	-31.61	196	152	H
	* 4.61726	28.53	MAv1	34.2	-31.1	31.63	54	-22.37	-	-	196	152	H
4	* 11.896	33.65	PK2	38.6	-21.9	50.35	-	-	74	-23.65	174	219	H
	* 11.89789	24.26	MAv1	38.6	-21.9	40.96	54	-13.04	-	-	174	219	H
5	* 4.60296	38.78	PK2	34.1	-31	41.88	-	-	74	-32.12	94	219	V
	* 4.60218	29.32	MAv1	34.2	-31	32.52	54	-21.48	-	-	94	219	V
6	* 11.84906	33.58	PK2	38.5	-21.7	50.38	-	-	74	-23.62	125	164	V
	* 11.84965	23.32	MAv1	38.5	-21.7	40.12	54	-13.88	-	-	125	164	V

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

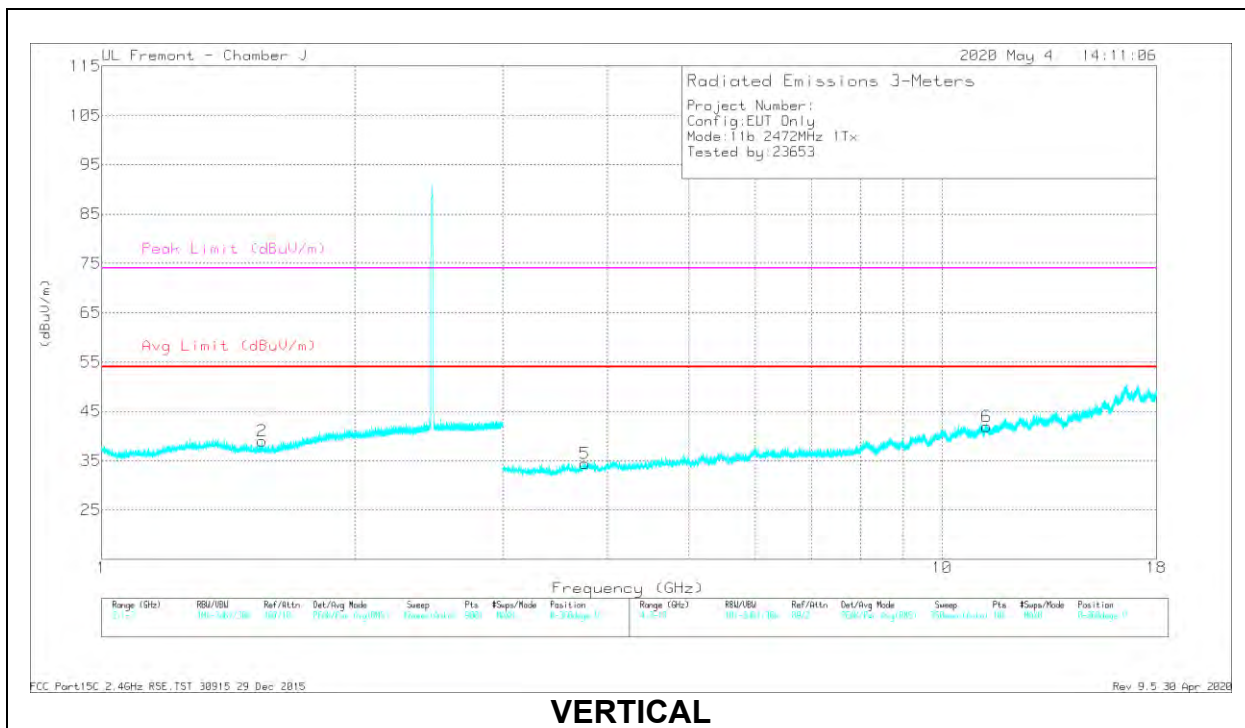
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### HIGH CHANNEL, CH 13 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/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	* 1.54789	44.3	PK2	28.2	-25.9	46.6	-	-	74	-27.4	159	172	H
	* 1.54757	32.75	MAv1	28.2	-25.9	35.05	54	-18.95	-	-	159	172	H
2	* 1.5511	43.52	PK2	28.1	-25.9	45.72	-	-	74	-28.28	224	182	V
	* 1.55395	33.18	MAv1	28.1	-25.9	35.38	54	-18.62	-	-	224	182	V
3	* 3.7295	41.33	PK2	33.2	-32.8	41.73	-	-	74	-32.27	288	243	H
	* 3.72932	31.47	MAv1	33.2	-32.8	31.87	54	-22.13	-	-	288	243	H
4	* 11.51936	33.94	PK2	38.1	-22.5	49.54	-	-	74	-24.46	354	126	H
	* 11.51931	23.45	MAv1	38.1	-22.5	39.05	54	-14.95	-	-	354	126	H
5	* 3.75838	42.46	PK2	33.3	-32.7	43.06	-	-	74	-30.94	78	211	V
	* 3.75723	31.47	MAv1	33.3	-32.7	32.07	54	-21.93	-	-	78	211	V
6	* 11.29847	34.88	PK2	38	-22.5	50.38	-	-	74	-23.62	137	238	V
	* 11.29847	24.28	MAv1	38	-22.5	39.78	54	-14.22	-	-	137	238	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

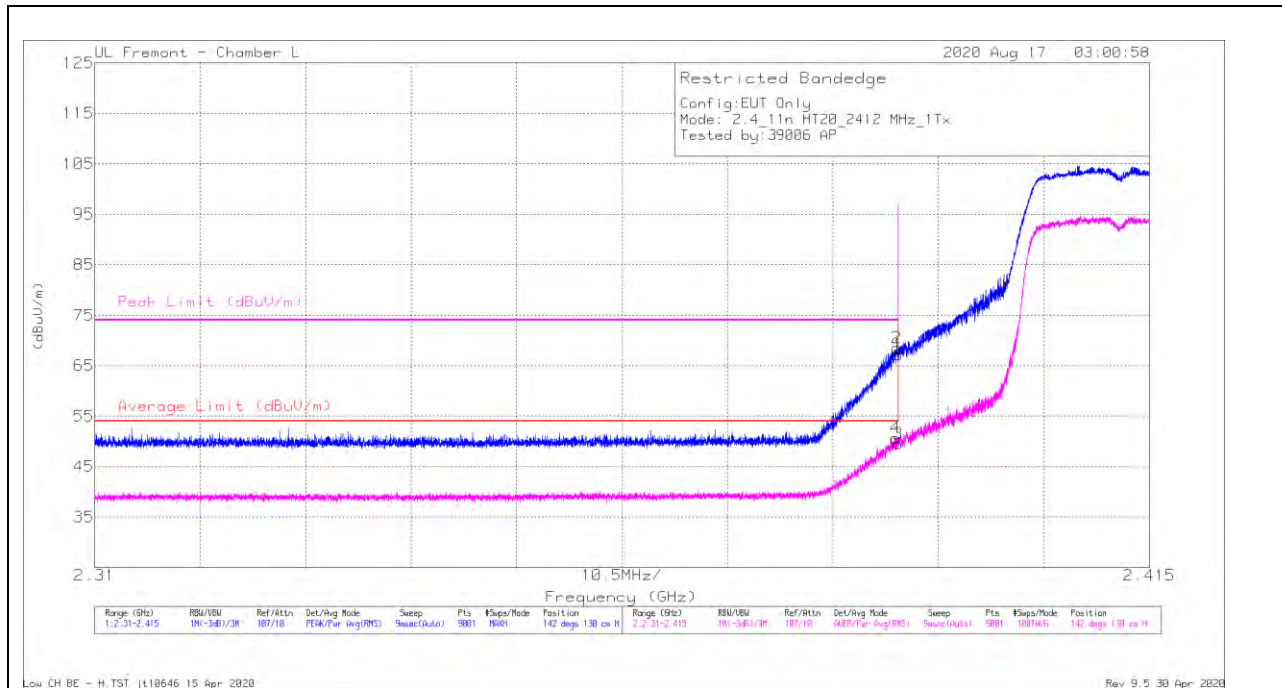


### 10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

#### 1TX ANT 4 MODE

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

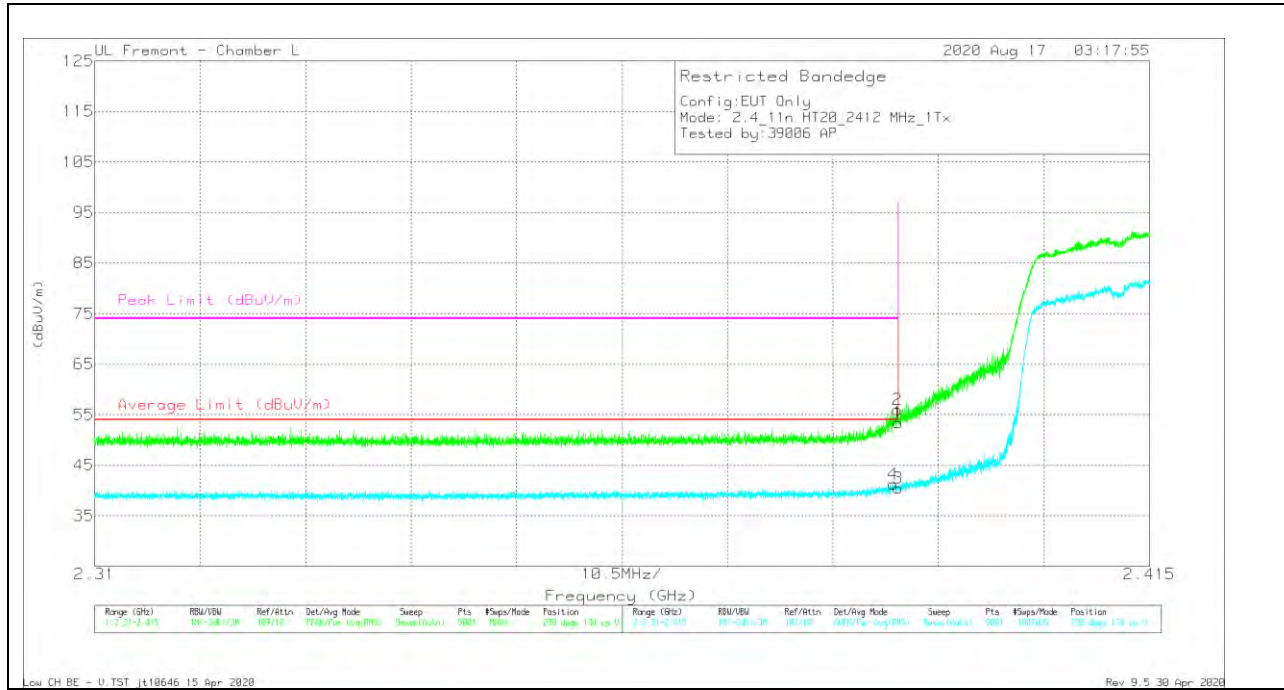
#### HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/CbI/Ftr/Pa d (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	* 2.38999	56.33	Pk	31.9	-21.1	0	67.13	-	-	74	-6.87	142	130	H
2	* 2.38983	57.7	Pk	31.9	-21.1	0	68.5	-	-	74	-5.5	142	130	H
3	* 2.38999	38.8	RMS	31.9	-21.1	.39	49.99	54	-4.1	-	-	142	130	H
4	* 2.38976	39.88	RMS	31.9	-21.1	.39	51.07	54	-2.93	-	-	142	130	H

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

### VERTICAL RESULT

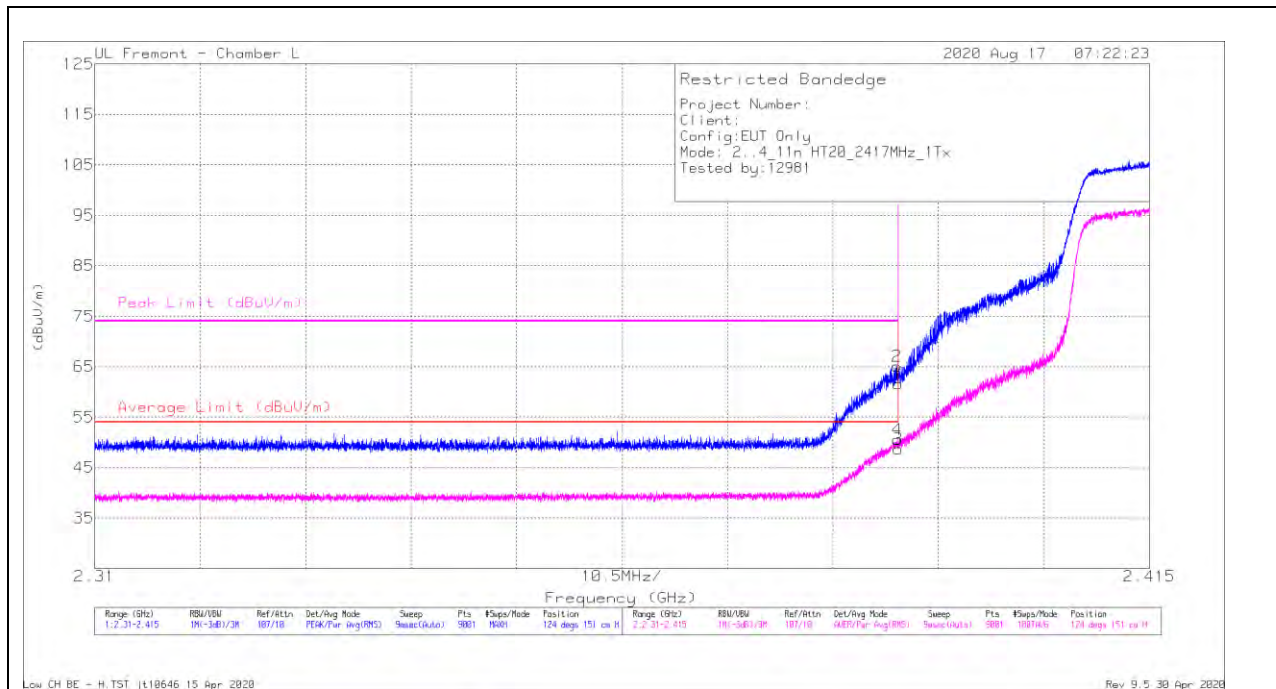


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	42.62	Pk	31.9	-21.1	0	53.42	-	-	74	-20.58	298	134	V
2	* 2.38993	45.19	Pk	31.9	-21.1	0	55.99	-	-	74	-18.01	298	134	V
3	* 2.38999	29.66	RMS	31.9	-21.1	.39	40.85	54	-13.15	-	-	298	134	V
4	* 2.3895	30.41	RMS	31.9	-21.1	.39	41.6	54	-12.4	-	-	298	134	V

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

**BANDEDGE (LOW CHANNEL, CH 2)**

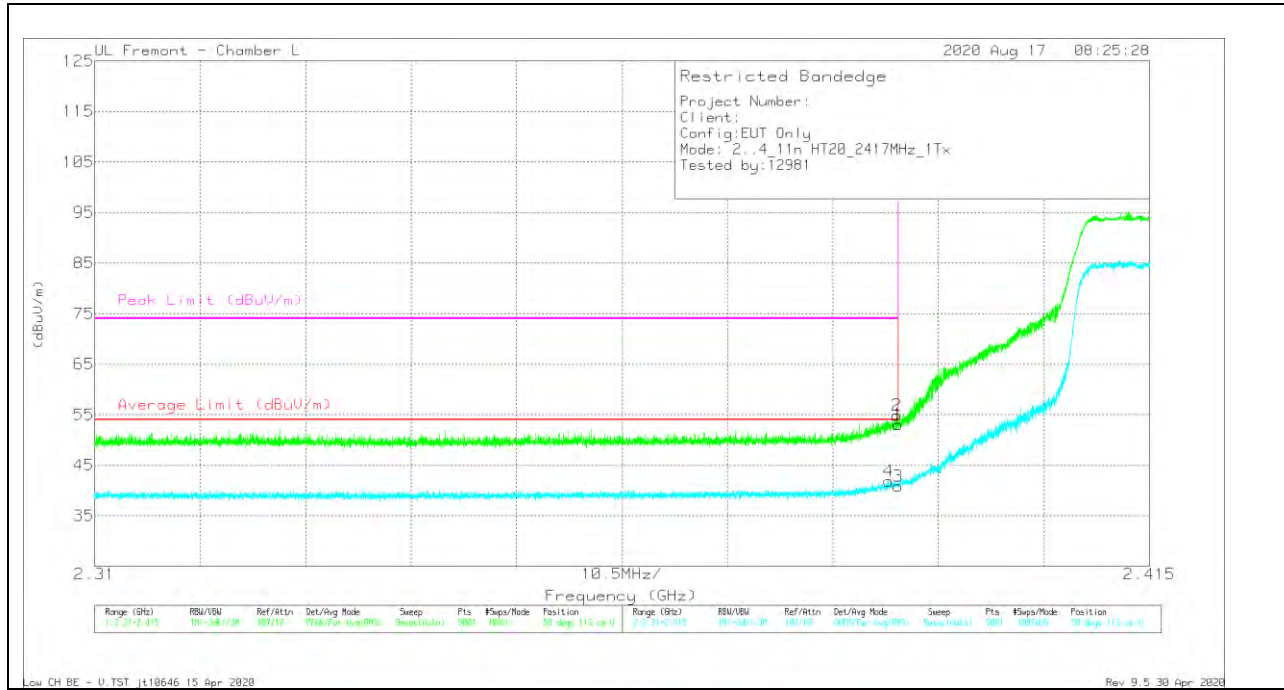
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filt/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	*2.38999	50.82	Pk	31.9	-21.1	0	61.62	-	-	74	-12.38	124	151	H
2	*2.38984	54.22	Pk	31.9	-21.1	0	65.02	-	-	74	-8.98	124	151	H
3	*2.38999	37.53	RMS	31.9	-21.1	-39	48.72	54	-5.28	-	-	124	151	H
4	*2.38994	39.35	RMS	31.9	-21.1	-39	50.54	54	-3.48	-	-	124	151	H

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

### VERTICAL RESULT

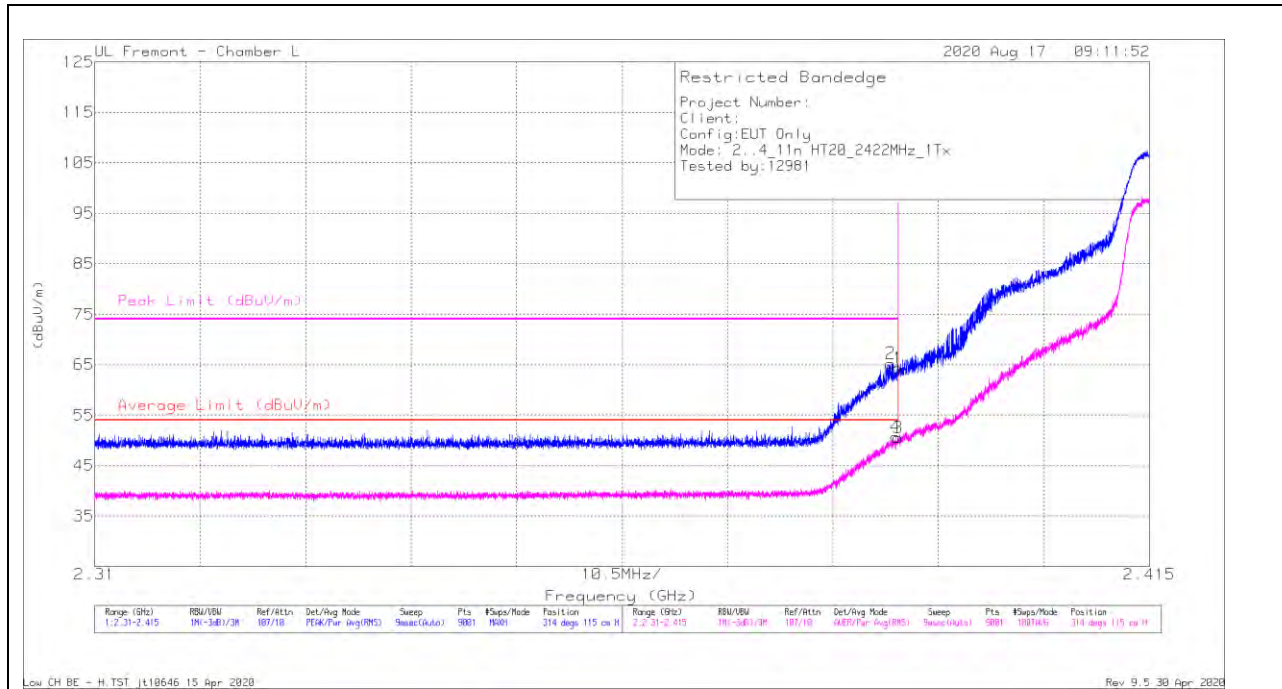


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Coi/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.38999	42.26	PK	31.9	-21.1	0	53.08	-	-	74	-20.92	58	113	V
2	*2.38988	44.12	PK	31.9	-21.1	0	54.92	-	-	74	-19.08	58	113	V
3	*2.38999	29.7	RMS	31.9	-21.1	-39	40.89	54	-13.11	-	-	58	113	V
4	*2.38904	30.64	RMS	31.9	-21.1	-39	41.83	54	-12.17	-	-	58	113	V

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

**BANDEDGE (LOW CHANNEL, CH 3)**

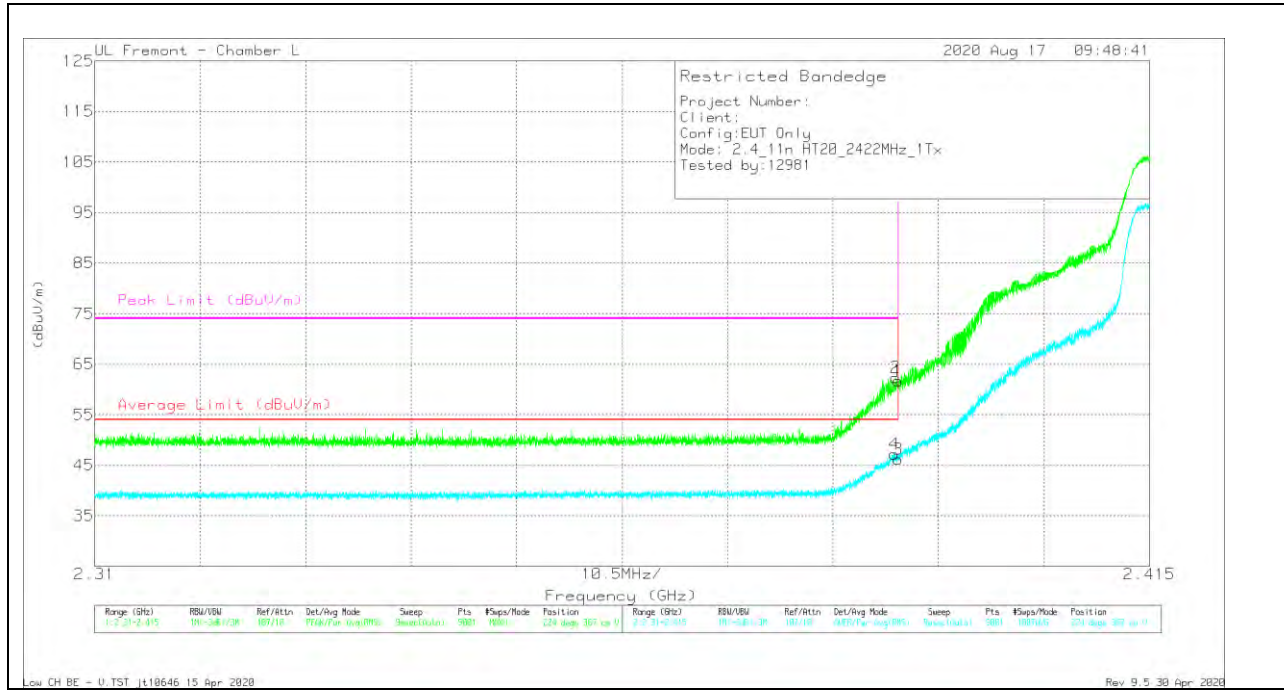
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filt/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	*2.38999	53.65	Pk	31.9	-21.1	0	64.35	-	-	74	-9.65	314	115	H
2	*2.38924	54.45	Pk	31.9	-21.1	0	65.25	-	-	74	-8.75	314	115	H
3	*2.38999	39.33	RMS	31.9	-21.1	-39	50.52	54	-3.48	-	-	314	115	H
4	*2.38973	39.47	RMS	31.9	-21.1	-39	50.66	54	-3.34	-	-	314	115	H

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

### VERTICAL RESULT

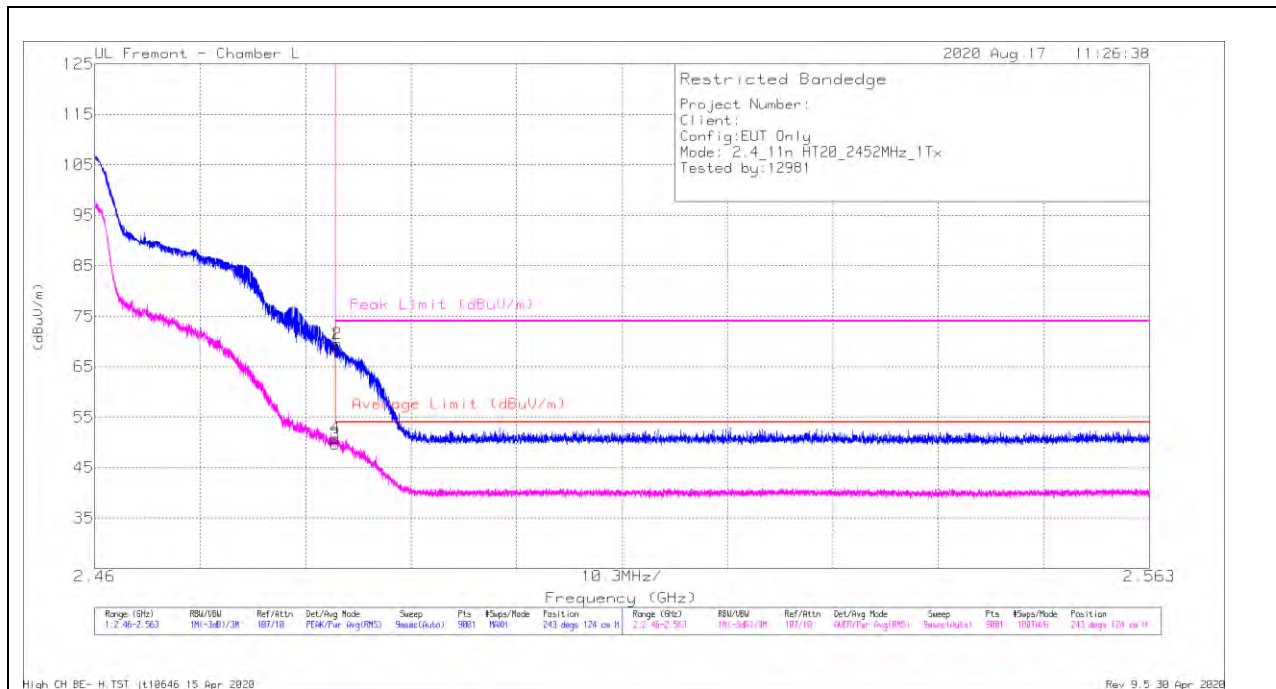


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Coil/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.38999	50.97	PK	31.9	-21.1	0	61.77	-	-	74	-12.23	224	367	V
2	*2.38974	51.54	PK	31.9	-21.1	0	62.34	-	-	74	-11.66	224	367	V
3	*2.38999	35.03	RMS	31.9	-21.1	-39	46.22	54	-7.78	-	-	224	367	V
4	*2.38962	36.05	RMS	31.9	-21.1	-39	47.24	54	-6.76	-	-	224	367	V

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

**BANDEDGE (HIGH CHANNEL, CH 9)**

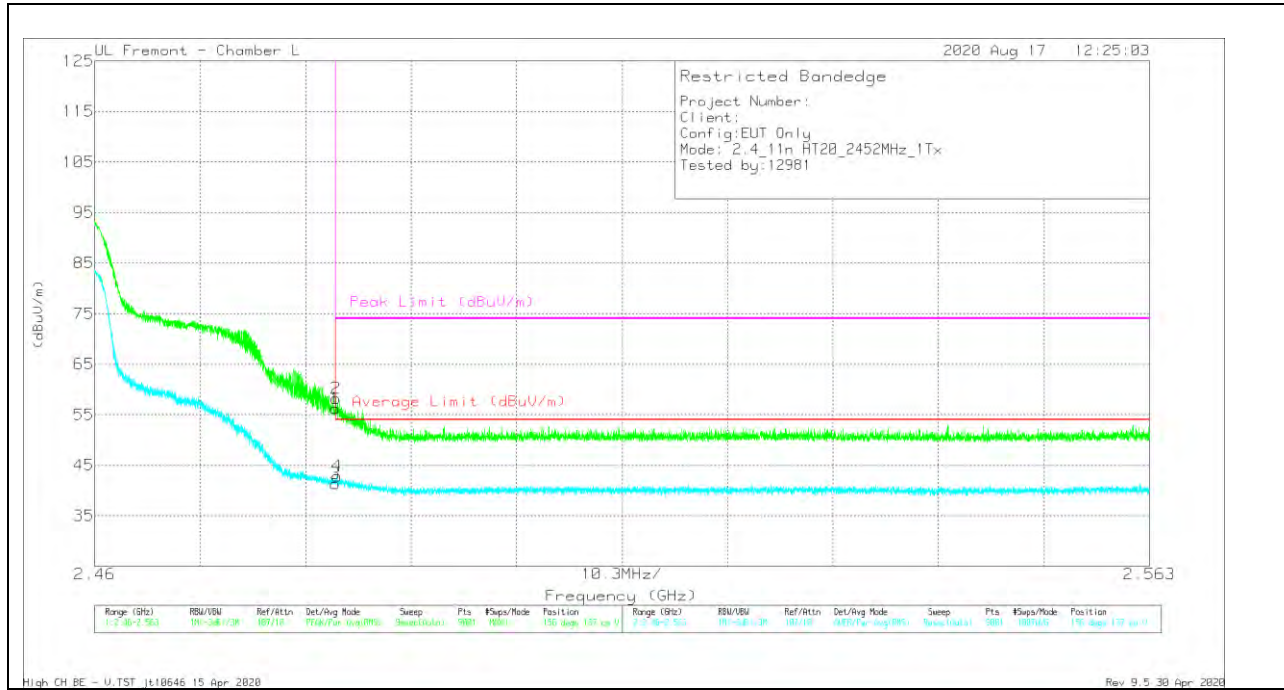
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filt/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	*2.48351	57.87	Pk	32.3	-20.9	0	69.27	-	-	74	-4.73	243	124	H
2	*2.48369	58.1	Pk	32.3	-20.9	0	69.5	-	-	74	-4.5	243	124	H
3	*2.48351	37.93	RMS	32.3	-20.9	-39	49.72	54	-4.28	-	-	243	124	H
4	*2.48352	39.01	RMS	32.3	-20.9	-39	50.8	54	-3.2	-	-	243	124	H

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

### VERTICAL RESULT



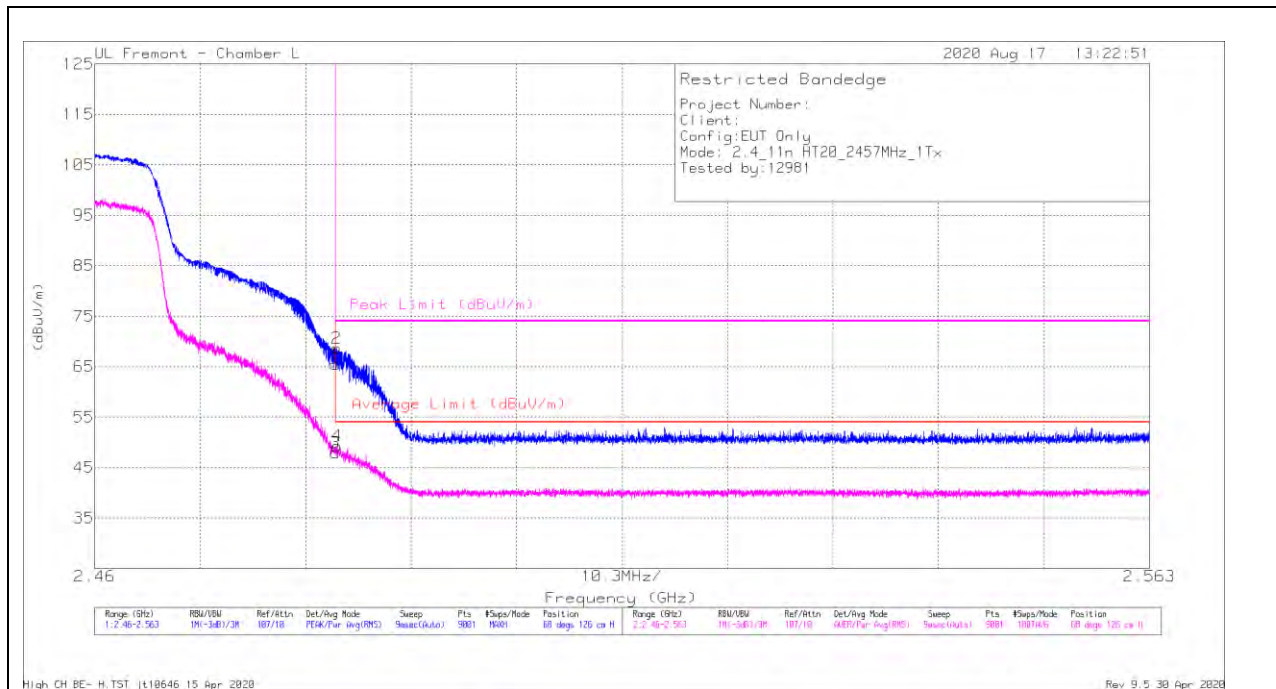
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Coi/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	44.87	PK	32.3	-20.9	0	58.27	-	-	74	-17.73	156	137	V
2	*2.48355	46.89	PK	32.3	-20.9	0	58.29	-	-	74	-15.71	156	137	V
3	*2.48351	29.61	RMS	32.3	-20.9	-39	41.4	54	-12.6	-	-	156	137	V
4	*2.48369	31.06	RMS	32.3	-20.9	-39	42.85	54	-11.15	-	-	156	137	V

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



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

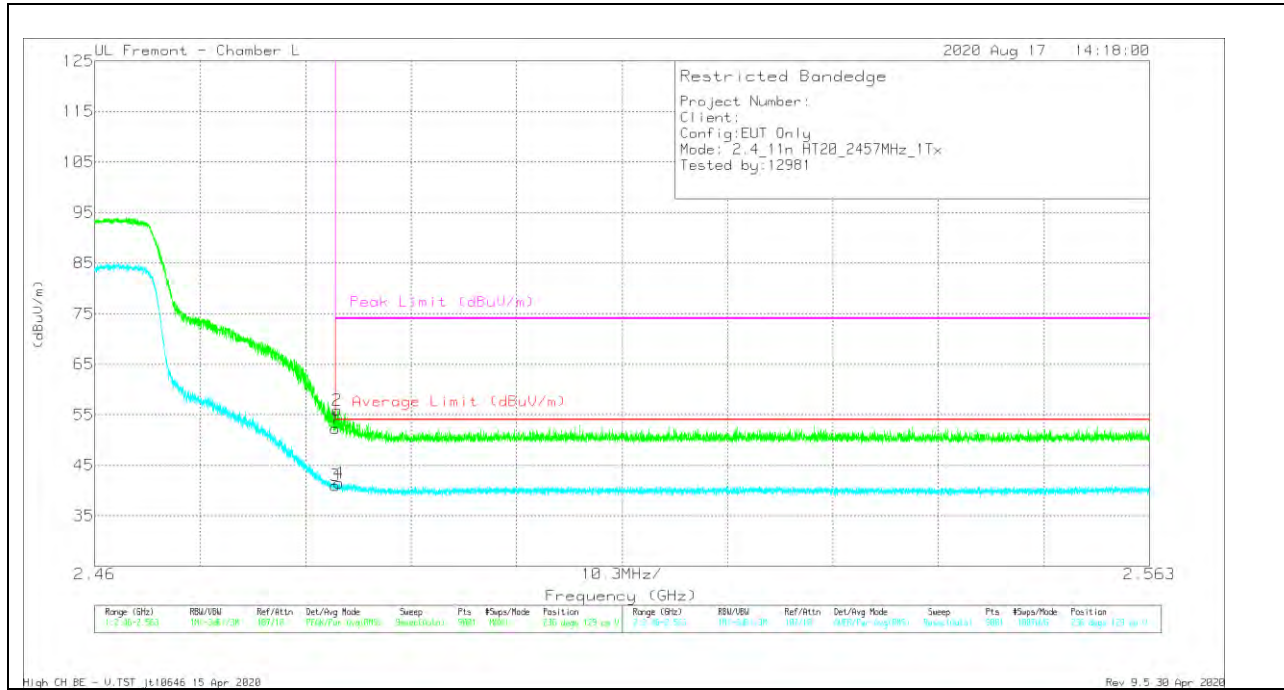
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filt/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	*2.48351	54.07	Pk	32.3	-20.9	0	65.47	-	-	74	-8.53	68	126	H
2	*2.48354	57.23	Pk	32.3	-20.9	0	68.63	-	-	74	-5.37	68	126	H
3	*2.48351	36.14	RMS	32.3	-20.9	-39	47.93	54	-6.07	-	-	68	126	H
4	*2.48369	37.45	RMS	32.3	-20.9	-39	49.24	54	-4.76	-	-	68	126	H

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

### VERTICAL RESULT

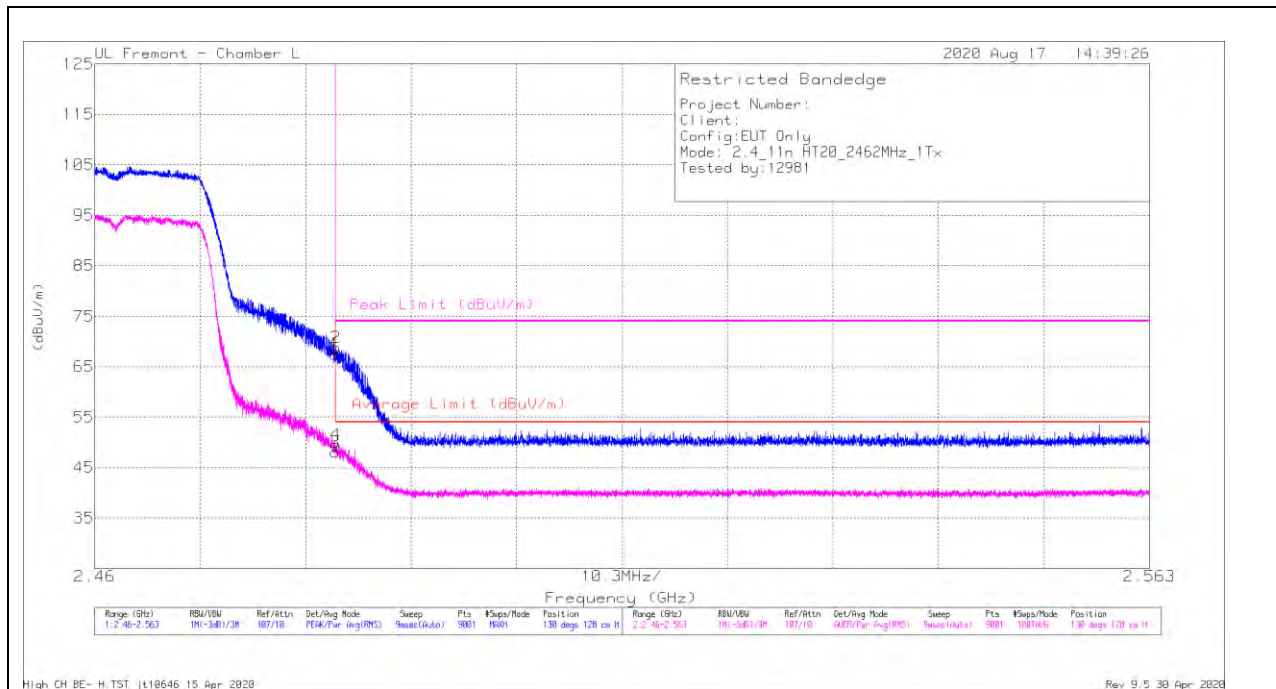


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	40.86	PK	32.3	-20.9	0	52.26	-	-	74	-21.74	236	129	V
2	*2.4837	44.52	PK	32.3	-20.9	0	55.92	-	-	74	-18.06	236	129	V
3	*2.48351	29.22	RMS	32.3	-20.9	.39	41.01	54	-12.99	-	-	236	129	V
4	*2.48388	29.67	RMS	32.3	-20.9	.39	41.46	54	-12.54	-	-	236	129	V

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

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

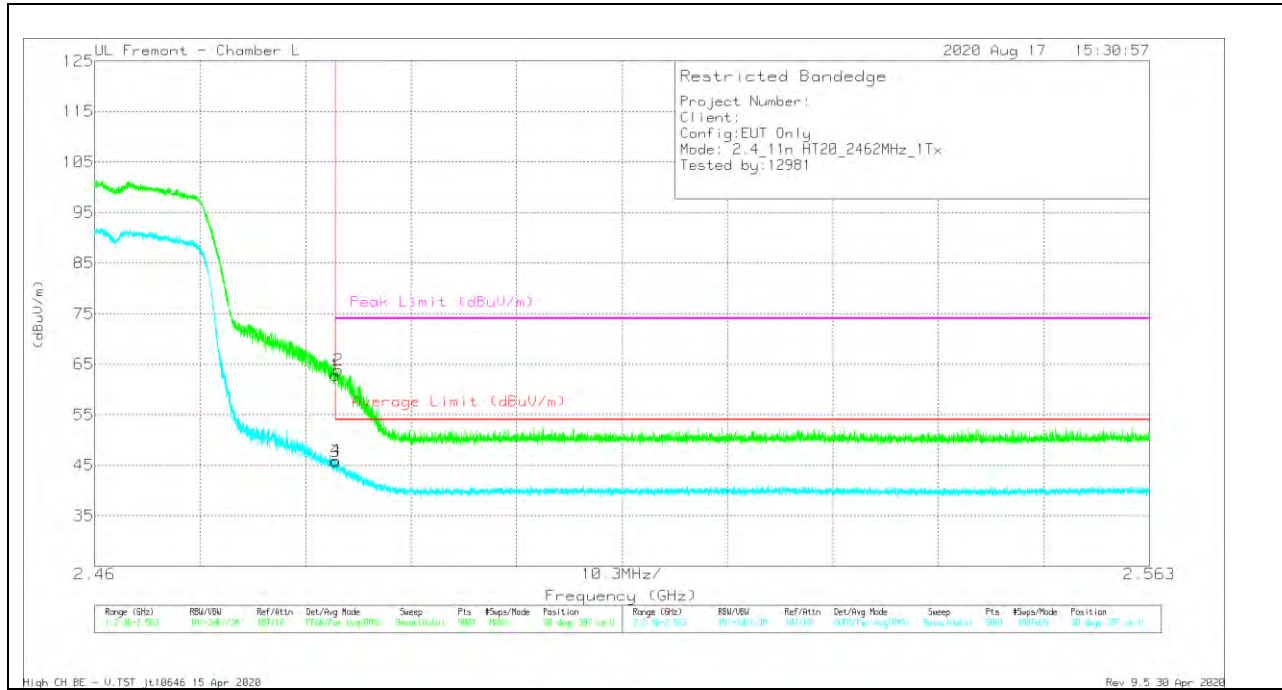
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filt/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	*2.48351	56.08	PK	32.3	-20.9	0	67.48	-	-	74	-6.52	130	128	H
2	*2.48355	57.38	PK	32.3	-20.9	0	68.78	-	-	74	-5.22	130	128	H
3	*2.48351	36.31	RMS	32.3	-20.9	-39	48.1	54	-5.9	-	-	130	128	H
4	*2.48356	37.75	RMS	32.3	-20.9	-39	49.54	54	-4.46	-	-	130	128	H

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

### VERTICAL RESULT

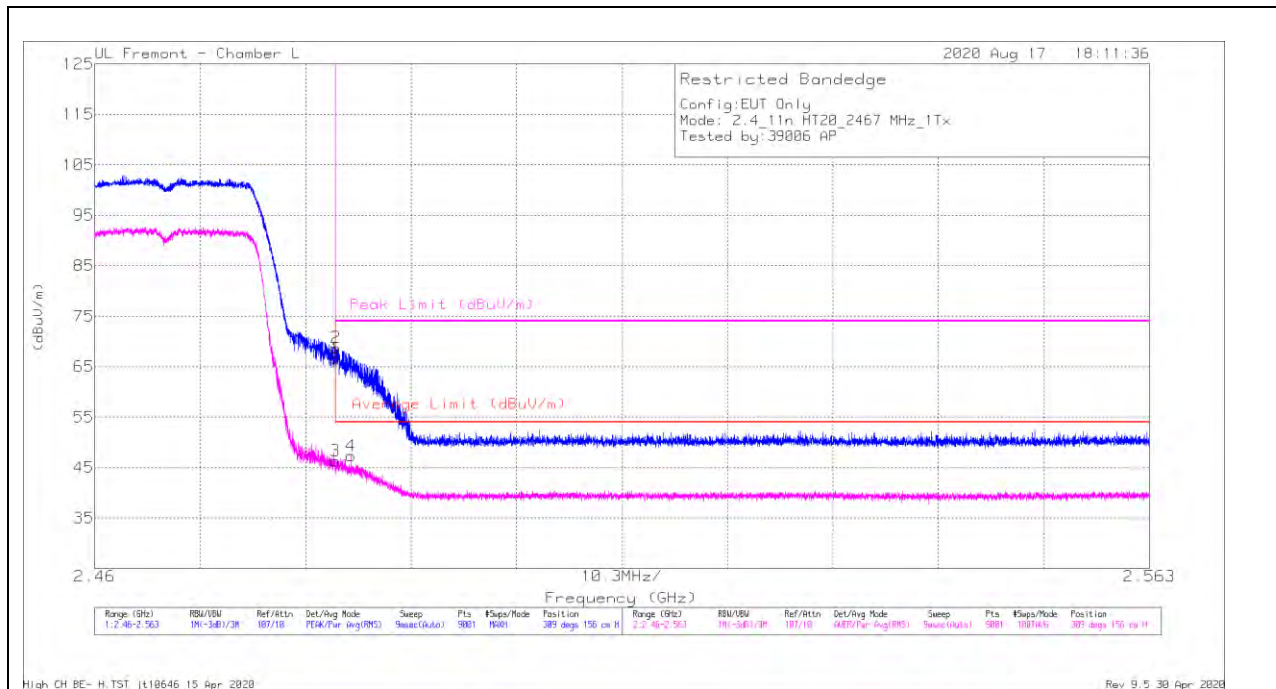


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Fibr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	51.38	PK	32.3	-20.0	0	62.78	-	-	74	-11.22	30	397	V
2	*2.48383	52.4	PK	32.3	-20.0	0	63.8	-	-	74	-10.2	30	397	V
3	*2.48351	33.93	RMS	32.3	-20.0	.39	45.72	54	-8.28	-	-	30	397	V
4	*2.48357	34.17	RMS	32.3	-20.0	.39	45.96	54	-8.04	-	-	30	397	V

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

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

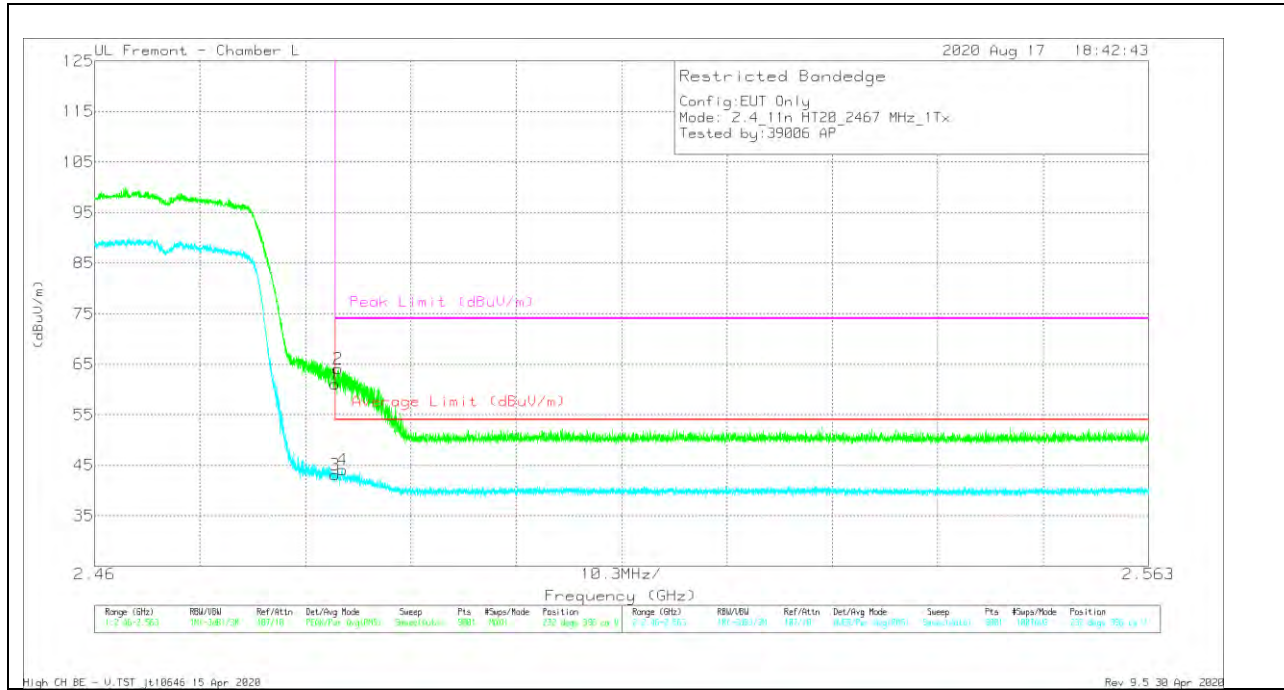
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	55.24	Pk	32.3	-20.9	0	66.64	-	-	74	-7.36	309	156	H
2	* 2.48357	57.33	Pk	32.3	-20.9	0	68.73	-	-	74	-5.27	309	156	H
3	* 2.48351	34.97	RMS	32.3	-20.9	.39	46.76	54	-7.24	-	-	309	156	H
4	* 2.48503	35.89	RMS	32.3	-20.9	.39	47.68	54	-6.32	-	-	309	156	H

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

### VERTICAL RESULT

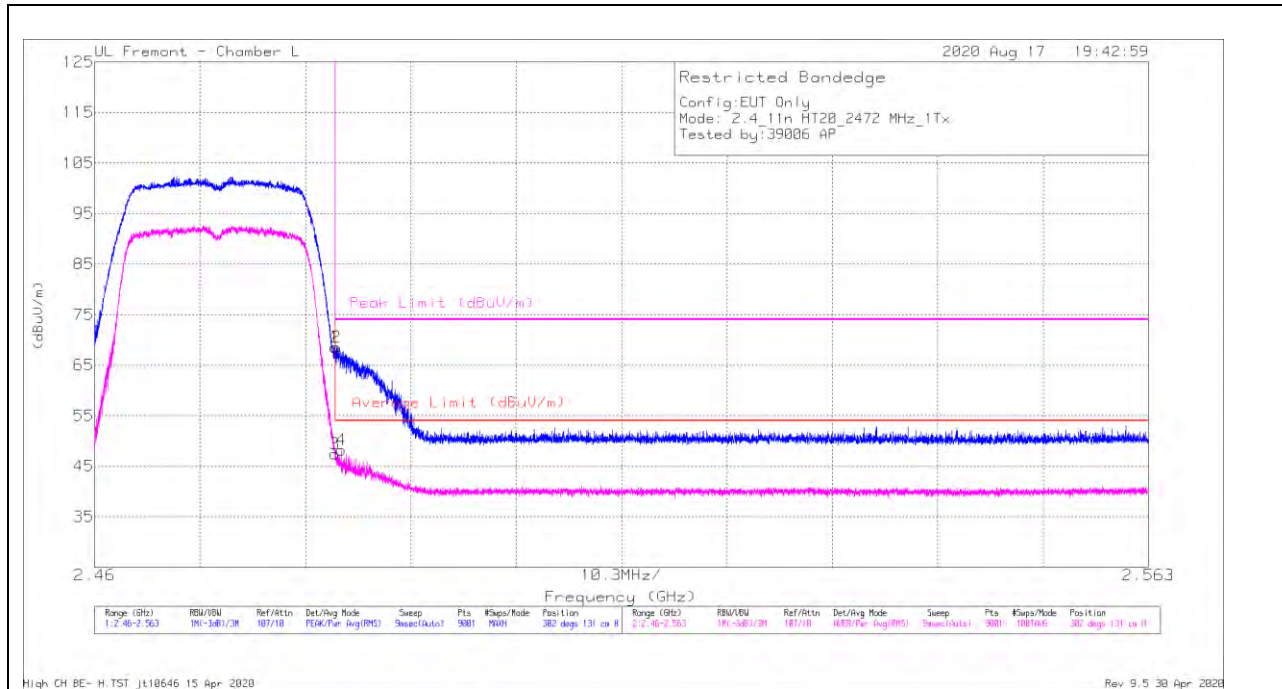


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	49.67	PK	32.3	-20.9	0	61.07	-	-	74	-12.93	232	396	V
2	*2.4838	52.62	PK	32.3	-20.9	0	64.02	-	-	74	-9.98	232	396	V
3	*2.48351	31.3	RMS	32.3	-20.9	.39	43.09	54	-10.91	-	-	232	396	V
4	*2.4842	32.28	RMS	32.3	-20.9	.39	44.07	54	-9.93	-	-	232	396	V

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

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

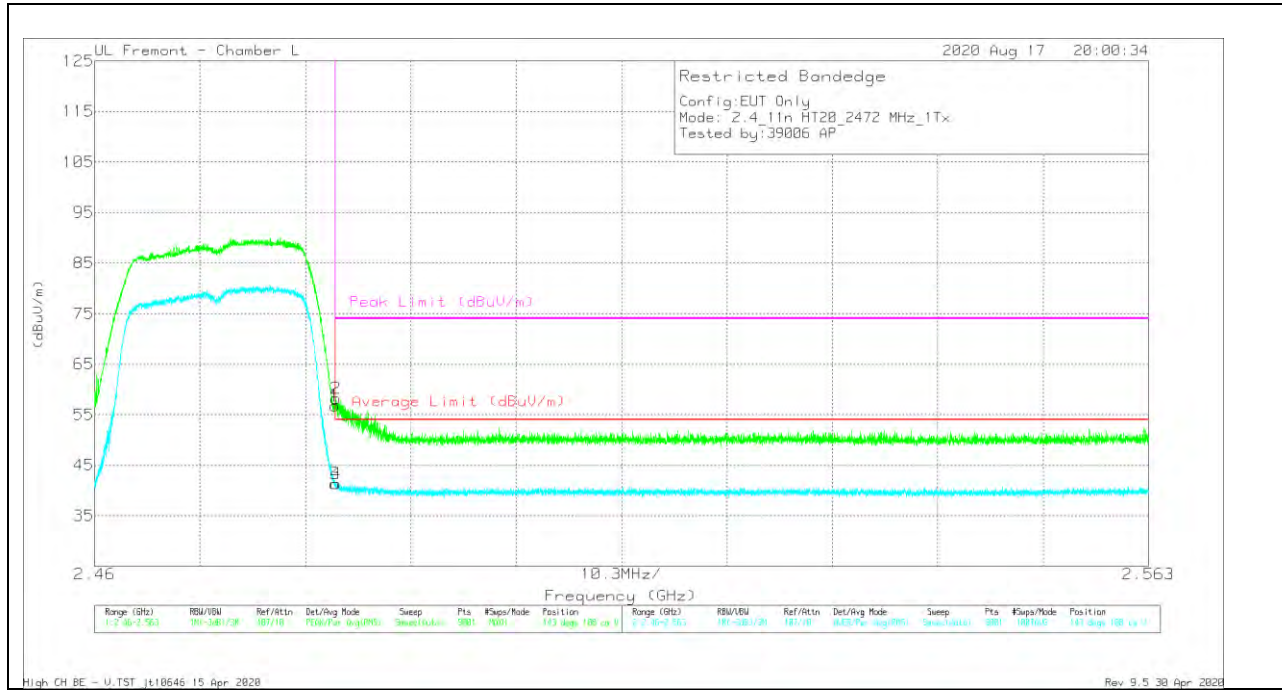
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filtr/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	*2.48351	57.15	PK	32.3	-20.9	0	68.55	-	-	74	-5.45	302	131	H
2	*2.48364	57.19	PK	32.3	-20.9	0	68.59	-	-	74	-5.41	302	131	H
3	*2.48351	35.64	RMS	32.3	-20.9	.39	47.43	54	-6.57	-	-	302	131	H
4	*2.4841	36.39	RMS	32.3	-20.9	.39	48.18	54	-5.82	-	-	302	131	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 344 (dBm)	Amp/Cbl/Filtr/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	*2.48351	45.32	PK	32.3	-20.9	0	56.72	-	-	74	-17.28	143	108	V
2	*2.48359	46.8	PK	32.3	-20.9	0	58.2	-	-	74	-15.6	143	108	V
3	*2.48351	29.57	RMS	32.3	-20.9	.39	41.36	54	-12.64	-	-	143	108	V
4	*2.48359	29.55	RMS	32.3	-20.9	.39	41.34	54	-12.66	-	-	143	108	V

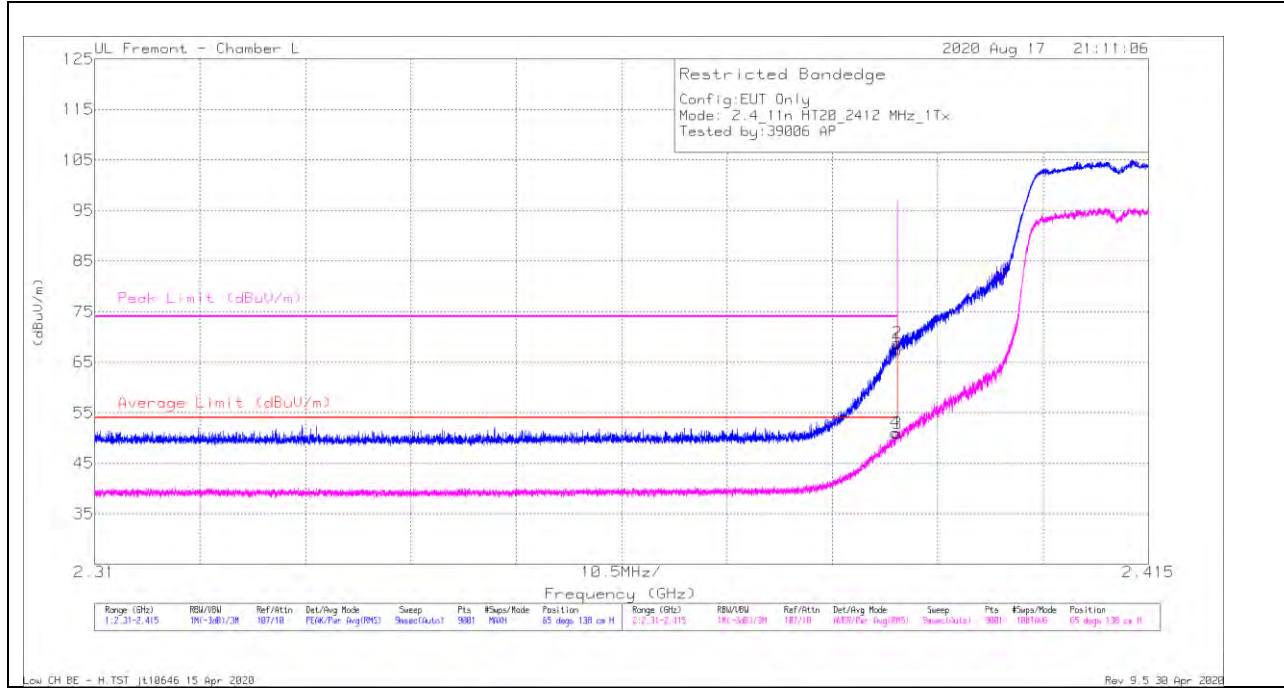
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK - Peak detector  
 RMS - RMS detection



**1TX ANT 3 MODE**

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

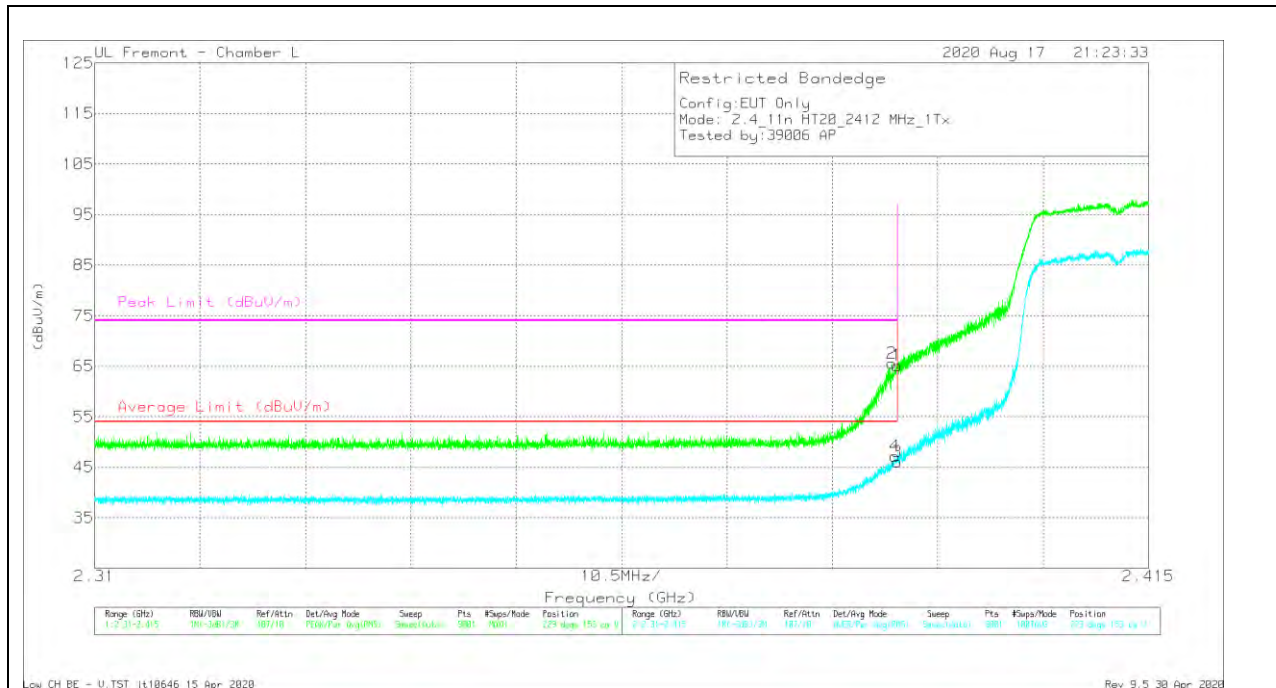
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filtr/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	*2.38999	56.68	Pk	31.9	-21.1	0	67.48	-	-	74	-6.52	65	138	H
2	*2.38995	58.01	Pk	31.9	-21.1	0	68.81	-	-	74	-5.19	65	138	H
3	*2.38999	39.72	RMS	31.9	-21.1	0.39	50.91	54	-3.09	-	-	65	138	H
4	*2.38977	39.88	RMS	31.9	-21.1	0.39	51.07	54	-2.93	-	-	65	138	H

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

### VERTICAL RESULT

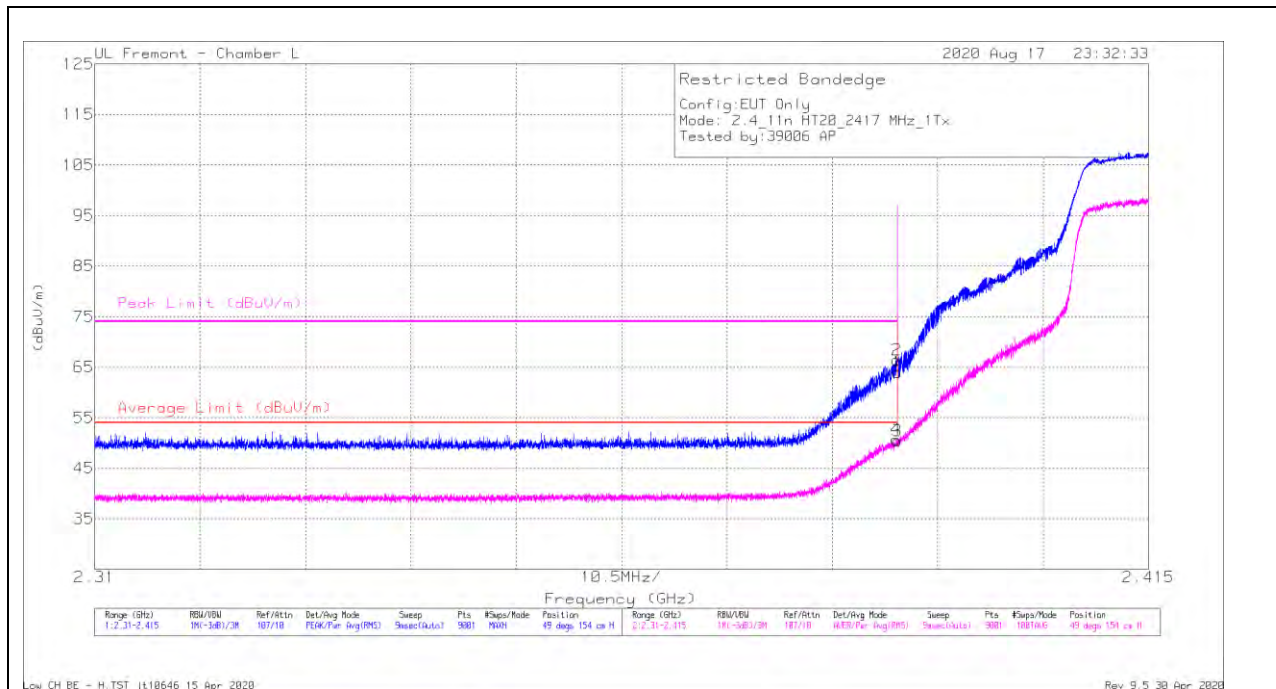


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbll/Ftr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.38999	54.33	Pk	31.9	-21.1	0	65.13	-	-	74	-8.87	229	153	V
2	*2.38943	54.77	Pk	31.9	-21.1	0	65.57	-	-	74	-8.43	229	153	V
3	*2.38999	35.25	RMS	31.9	-21.1	0.39	46.44	54	-7.56	-	-	229	153	V
4	*2.38973	36.43	RMS	31.9	-21.1	0.39	47.62	54	-6.38	-	-	229	153	V

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

**BANDEDGE (LOW CHANNEL, CH 2)**

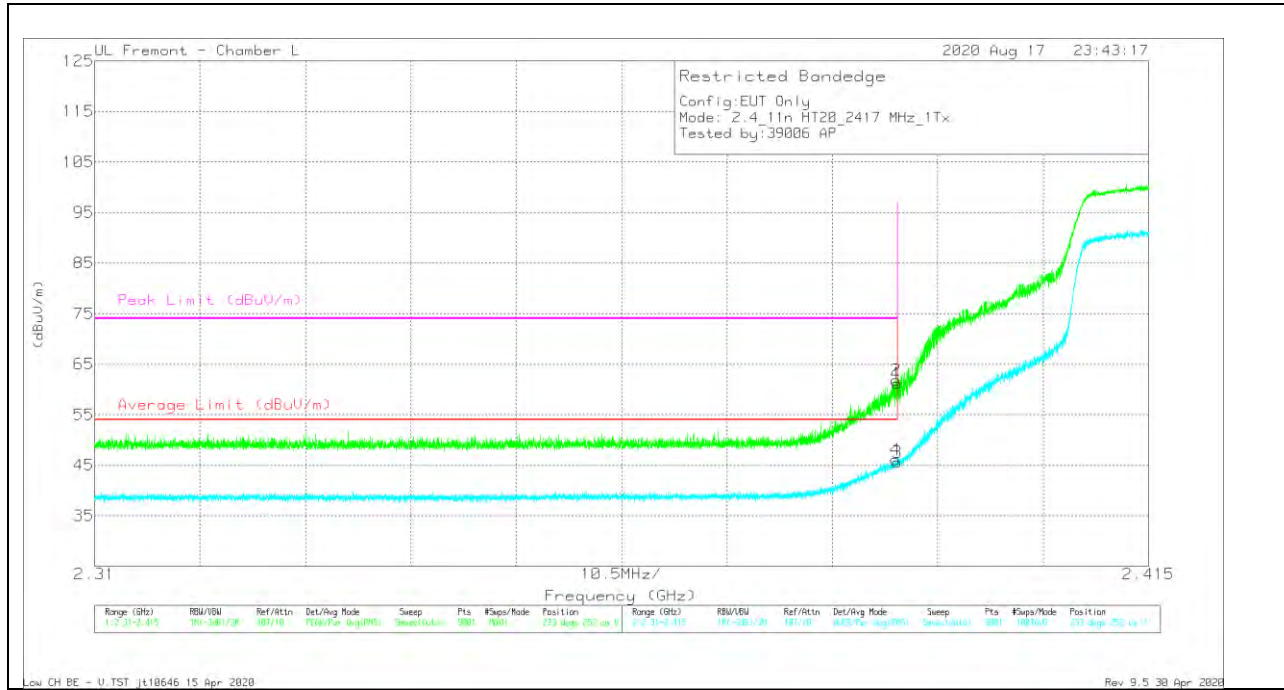
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF 344 (dBm)	Amp/Cbl/Filt/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	*2.38999	53.13	Pk	31.9	-21.1	0	63.93	-	-	74	-10.07	49	154	H
2	*2.38991	55.68	Pk	31.9	-21.1	0	66.48	-	-	74	-7.52	49	154	H
3	*2.38999	39.3	RMS	31.9	-21.1	0.39	50.49	54	-3.51	-	-	49	154	H
4	*2.38988	39.55	RMS	31.9	-21.1	0.39	50.74	54	-3.26	-	-	49	154	H

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

### VERTICAL RESULT

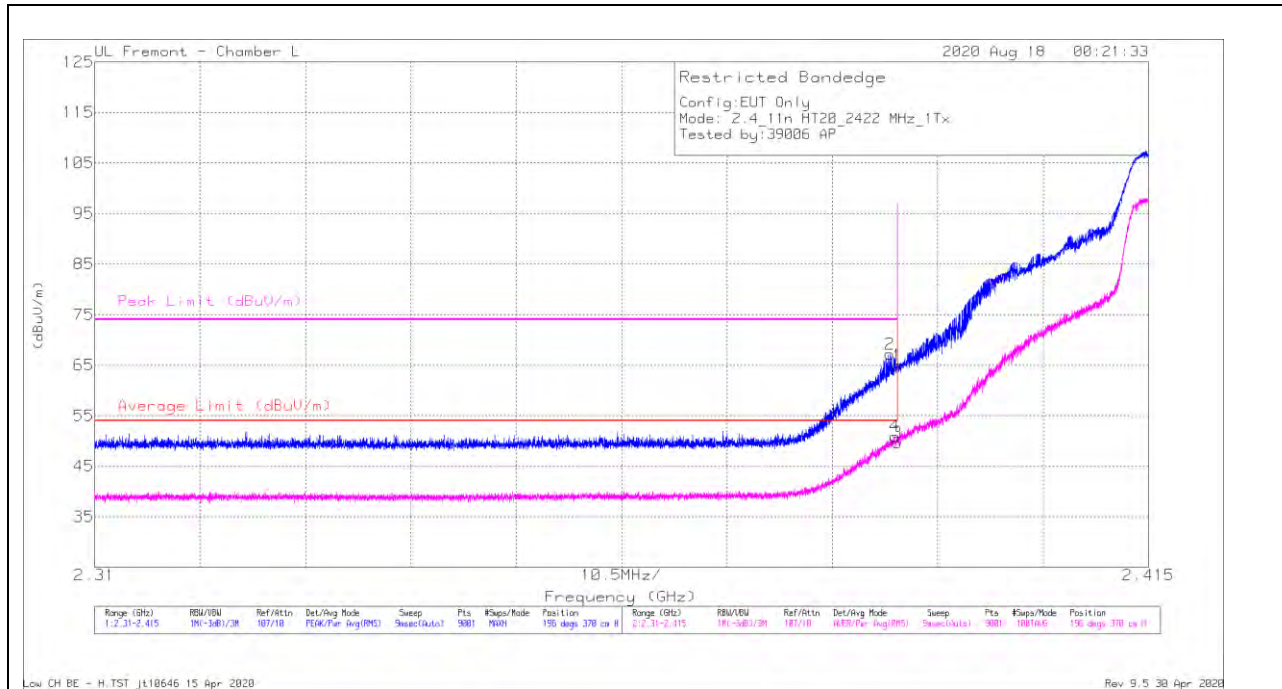


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Coil/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.38999	50.37	Pk	31.9	-21.1	0	61.17	-	-	74	-12.83	233	252	V
2	*2.38983	50.99	Pk	31.9	-21.1	0	61.79	-	-	74	-12.21	233	252	V
3	*2.38999	34.36	RMS	31.9	-21.1	0.39	45.55	54	-8.45	-	-	233	252	V
4	*2.38977	34.88	RMS	31.9	-21.1	0.39	46.07	54	-7.93	-	-	233	252	V

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

**BANDEDGE (LOW CHANNEL, CH 3)**

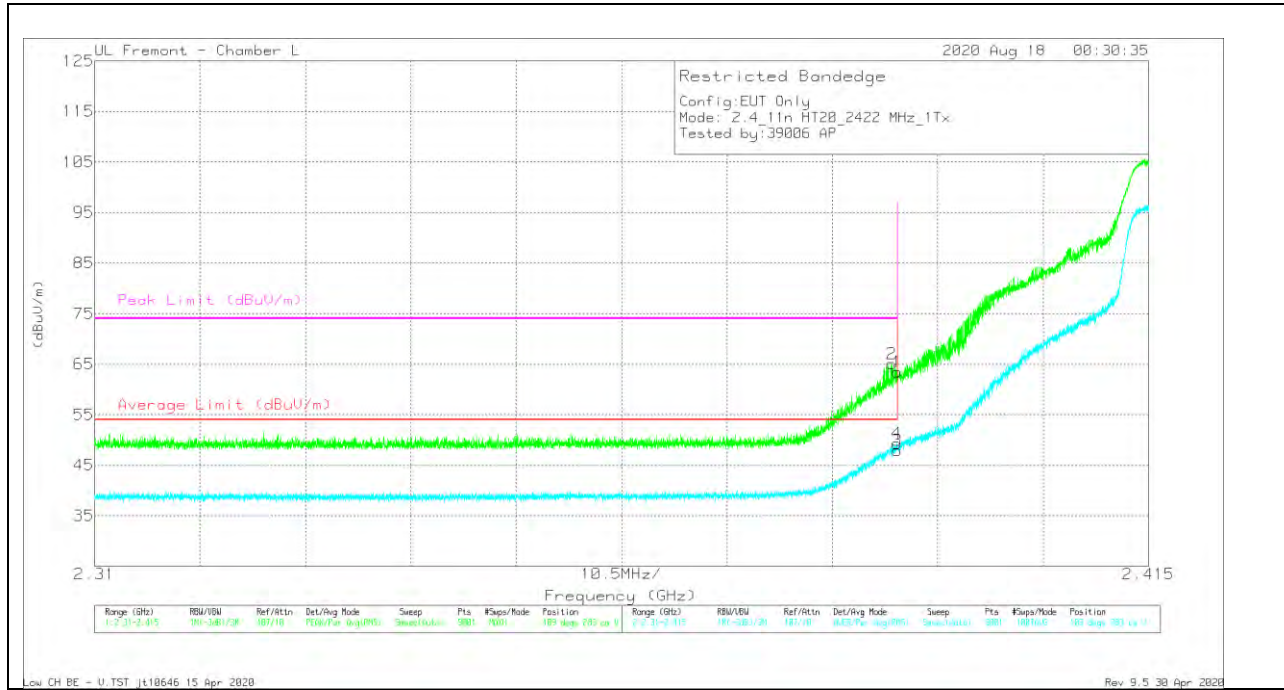
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filtr/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	*2.38999	54.1	Pk	31.9	-21.1	0	64.9	-	-	74	-9.1	196	370	H
2	*2.38924	56.33	PK	31.9	-21.1	0	67.13	-	-	74	-6.87	196	370	H
3	*2.38999	38.54	RMS	31.9	-21.1	0.39	49.73	54	-4.27	-	-	196	370	H
4	*2.38971	39.74	RMS	31.9	-21.1	0.39	50.93	54	-3.07	-	-	196	370	H

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

### VERTICAL RESULT

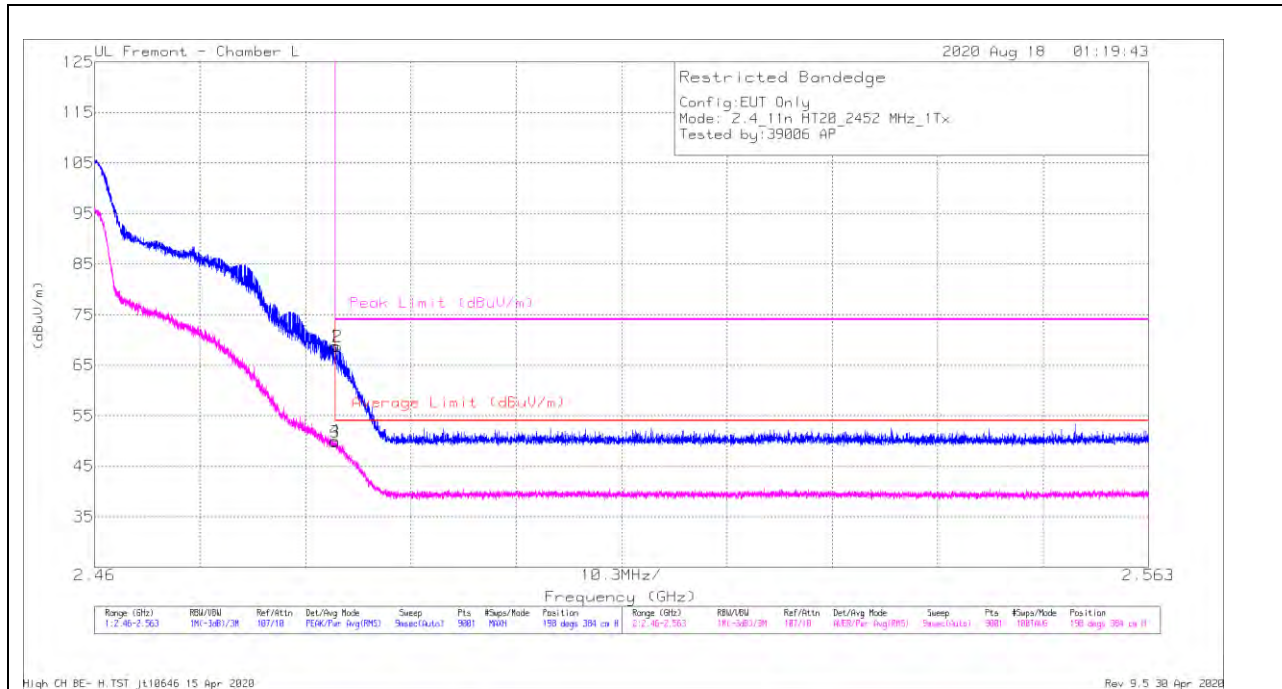


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.38999	52.68	PK	31.9	-21.1	0	63.48	-	-	74	-10.52	109	283	V
2	*2.38942	54.32	PK	31.9	-21.1	0	65.12	-	-	74	-8.88	109	283	V
3	*2.38998	36.76	RMS	31.9	-21.1	0.39	47.95	54	-6.05	-	-	109	283	V
4	*2.38994	38.08	RMS	31.9	-21.1	0.39	49.27	54	-4.73	-	-	109	283	V

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

**BANDEDGE (HIGH CHANNEL, CH 9)**

**HORIZONTAL RESULT**

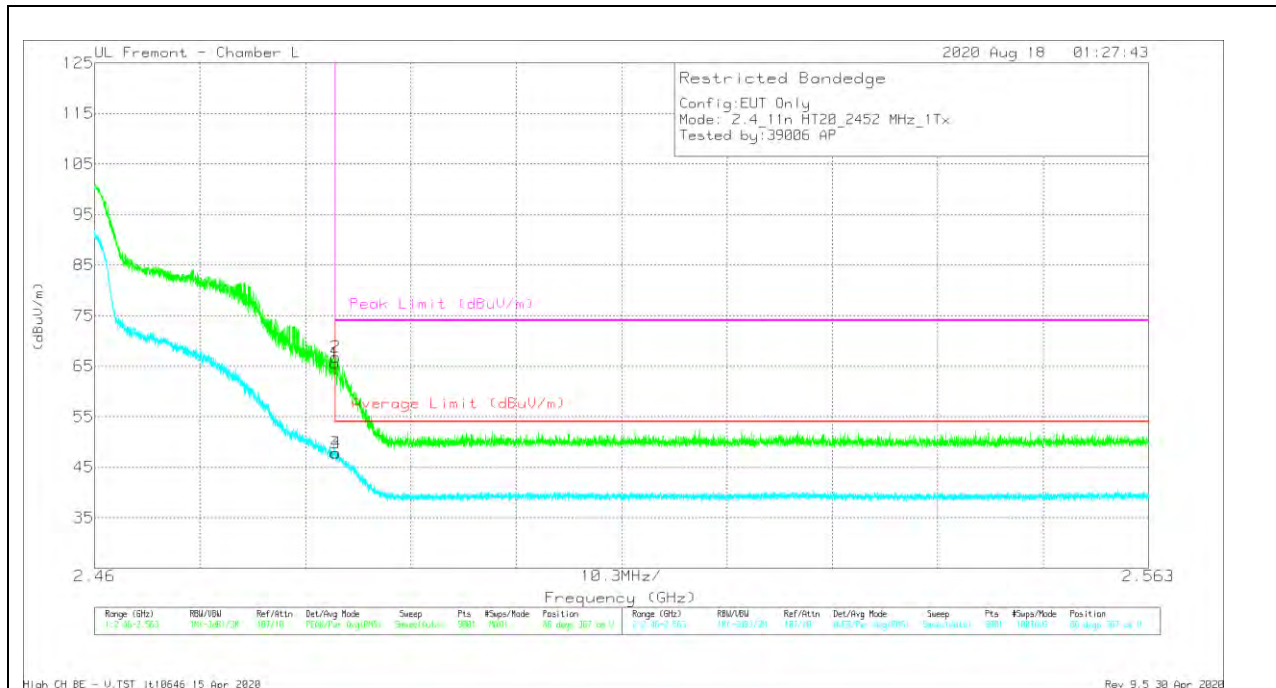


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	57.38	Pk	32.3	-20.9	0	68.78	-	-	74	-5.22	198	384	H
2	*2.48373	57.32	Pk	32.3	-20.9	0	66.72	-	-	74	-5.26	198	384	H
3	*2.48351	38.42	RMS	32.3	-20.9	0.39	50.21	54	-3.79	-	-	198	384	H
4	*2.48352	38.7	RMS	32.3	-20.9	0.39	50.49	54	-3.51	-	-	198	384	H

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

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



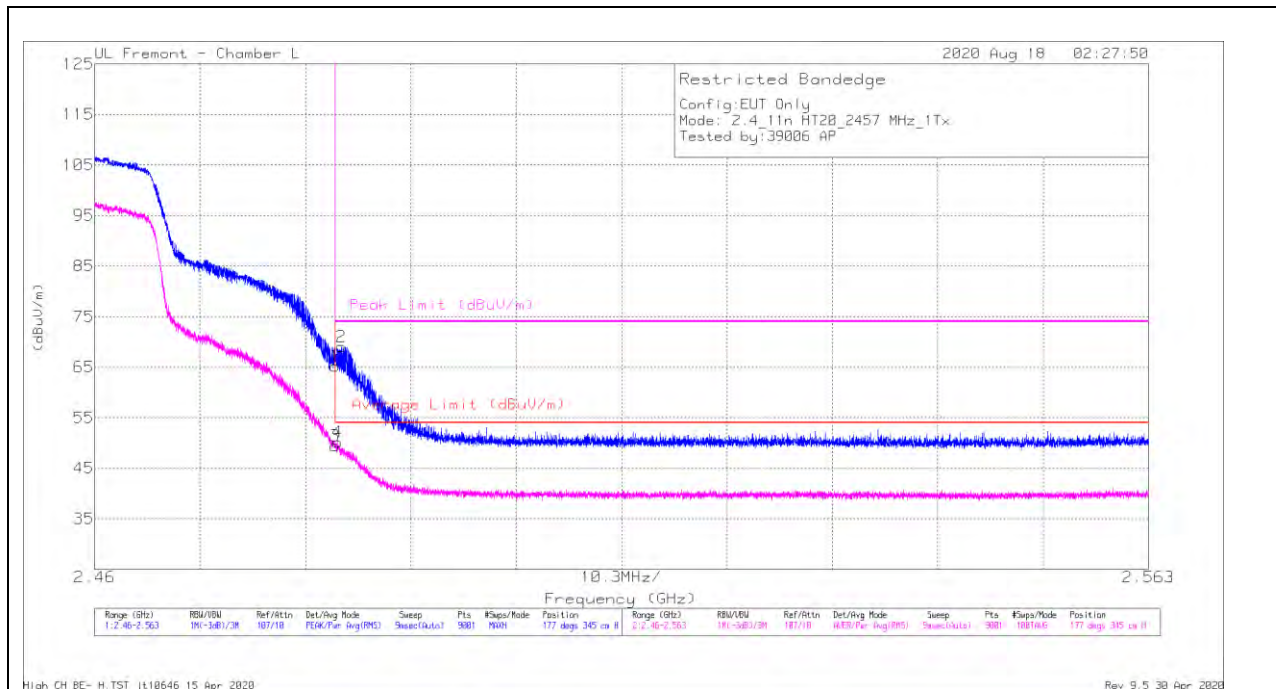
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/CbI/Ftr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	54.13	Pk	32.3	-20.9	0	65.53	-	-	74	-8.47	86	367	V
2	*2.48355	55.4	Pk	32.3	-20.9	0	66.8	-	-	74	-7.2	86	367	V
3	*2.48351	36.37	RMS	32.3	-20.9	0.39	48.16	54	-5.84	-	-	86	367	V
4	*2.48361	36.44	RMS	32.3	-20.9	0.39	48.23	54	-5.77	-	-	86	367	V

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



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

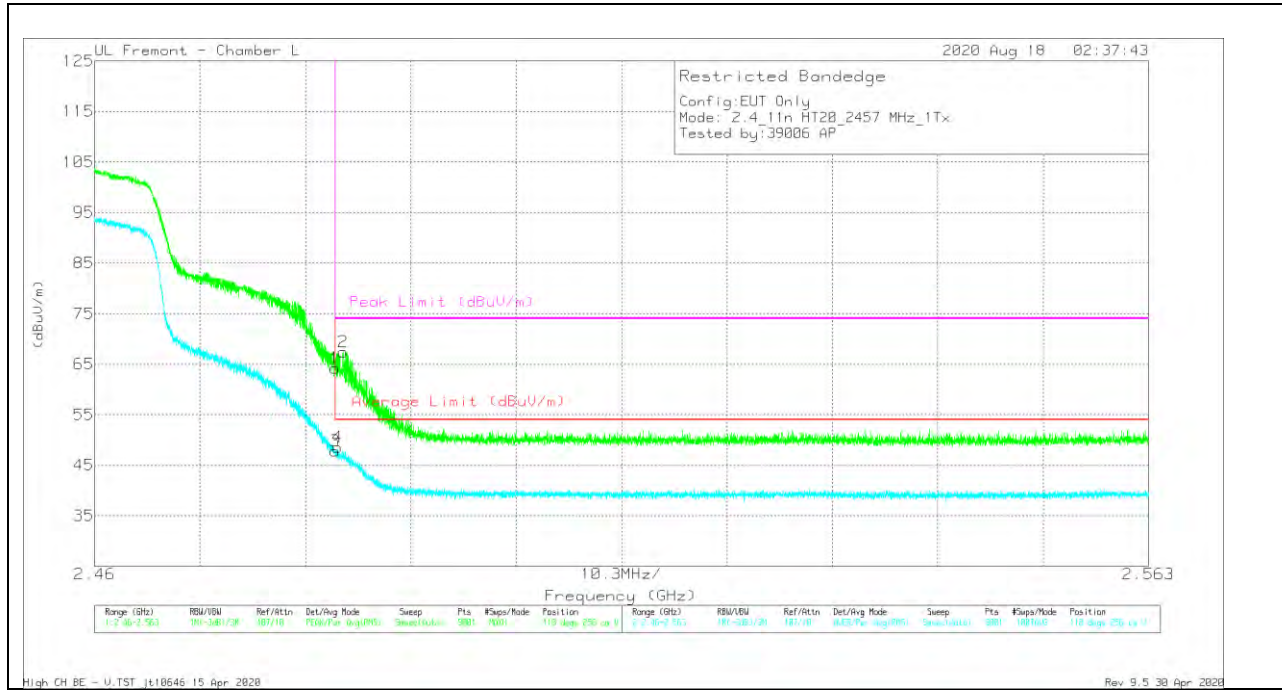
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filtr/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	*2.48351	53.83	PK	32.3	-20.9	0	66.23	-	-	74	-8.77	177	345	H
2	*2.48411	57.6	PK	32.3	-20.9	0	69	-	-	74	-5	177	345	H
3	*2.48351	37.62	RMS	32.3	-20.9	0.39	49.41	54	-4.59	-	-	177	345	H
4	*2.48377	38.35	RMS	32.3	-20.9	0.39	50.14	54	-3.86	-	-	177	345	H

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

### VERTICAL RESULT

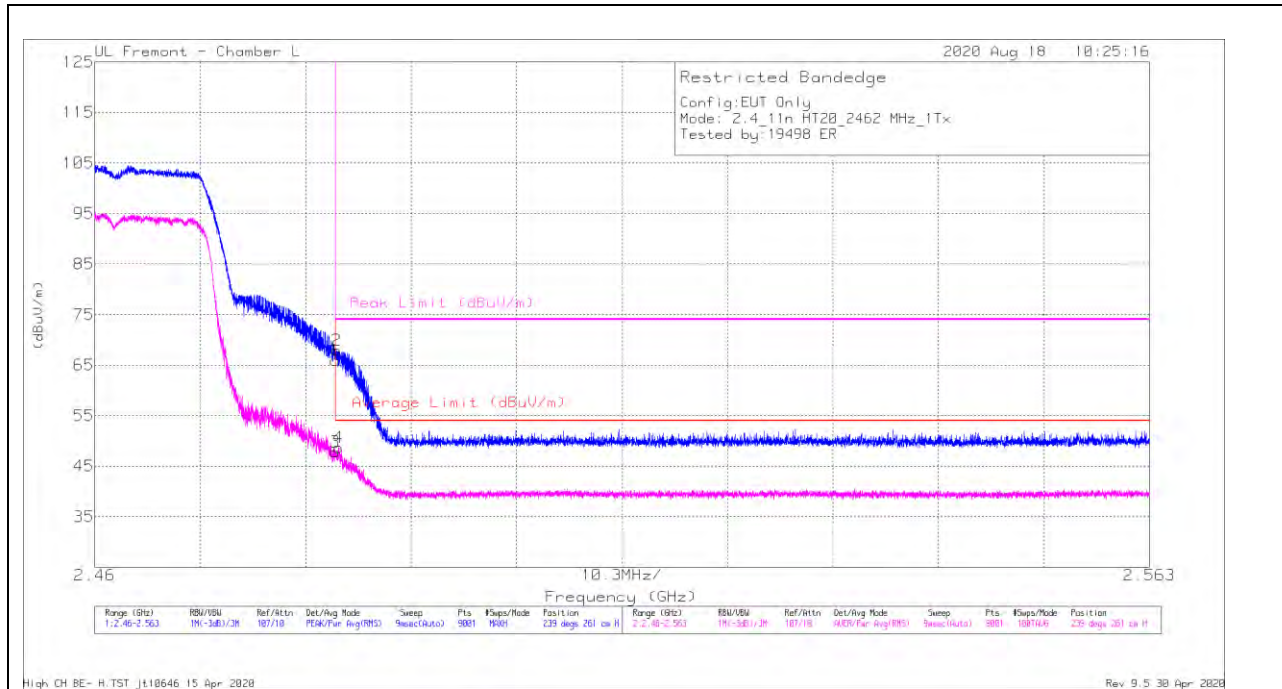


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	52.76	PK	32.3	-20.9	0	64.16	-	-	74	-9.84	118	256	V
2	*2.48431	56.07	PK	32.3	-20.9	0	67.47	-	-	74	-6.53	118	256	V
3	*2.48351	36.05	RMS	32.3	-20.9	0.39	47.84	54	-6.16	-	-	118	256	V
4	*2.48376	36.84	RMS	32.3	-20.9	0.39	48.63	54	-5.37	-	-	118	256	V

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

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

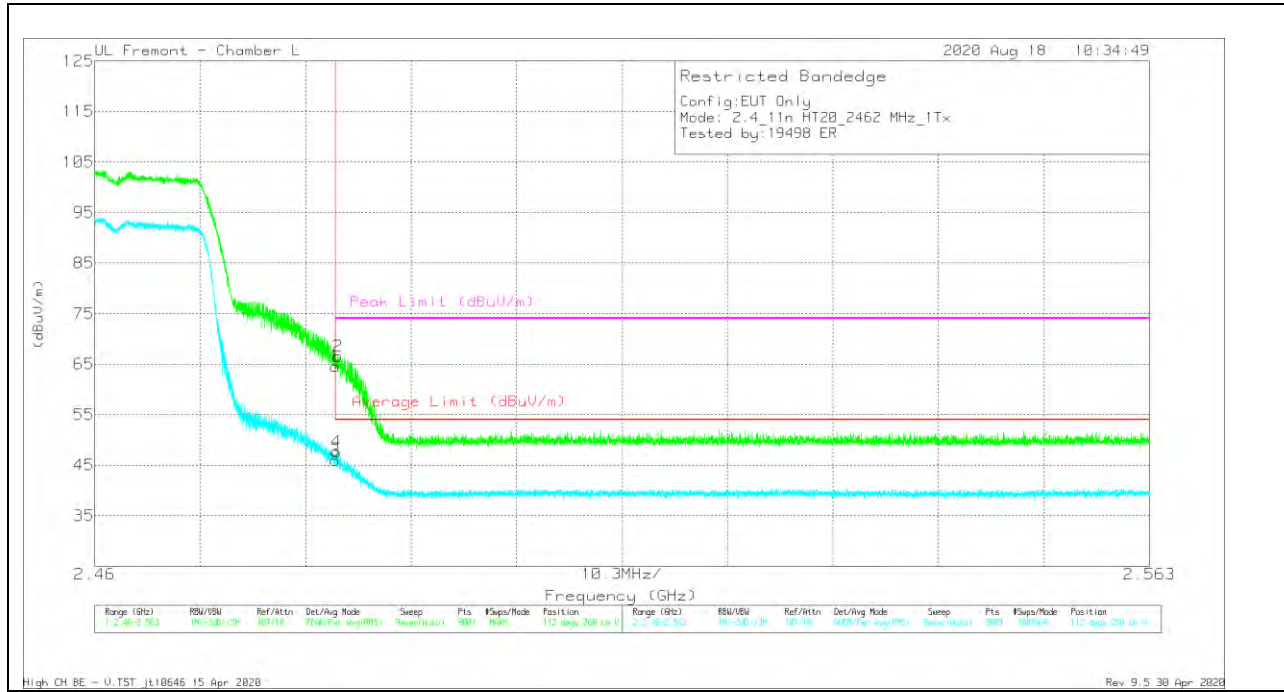
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filtr/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	* 2.48351	54.52	Pk	32.3	-20.9	0	65.92	-	-	74	-8.08	239	261	H
2	* 2.48363	56.5	Pk	32.3	-20.9	0	67.9	-	-	74	-6.1	239	261	H
3	* 2.48351	36.08	RMS	32.3	-20.9	0.39	47.87	54	-6.13	-	-	239	261	H
4	* 2.48383	36.88	RMS	32.3	-20.9	0.39	48.67	54	-5.33	-	-	239	261	H

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

### VERTICAL RESULT

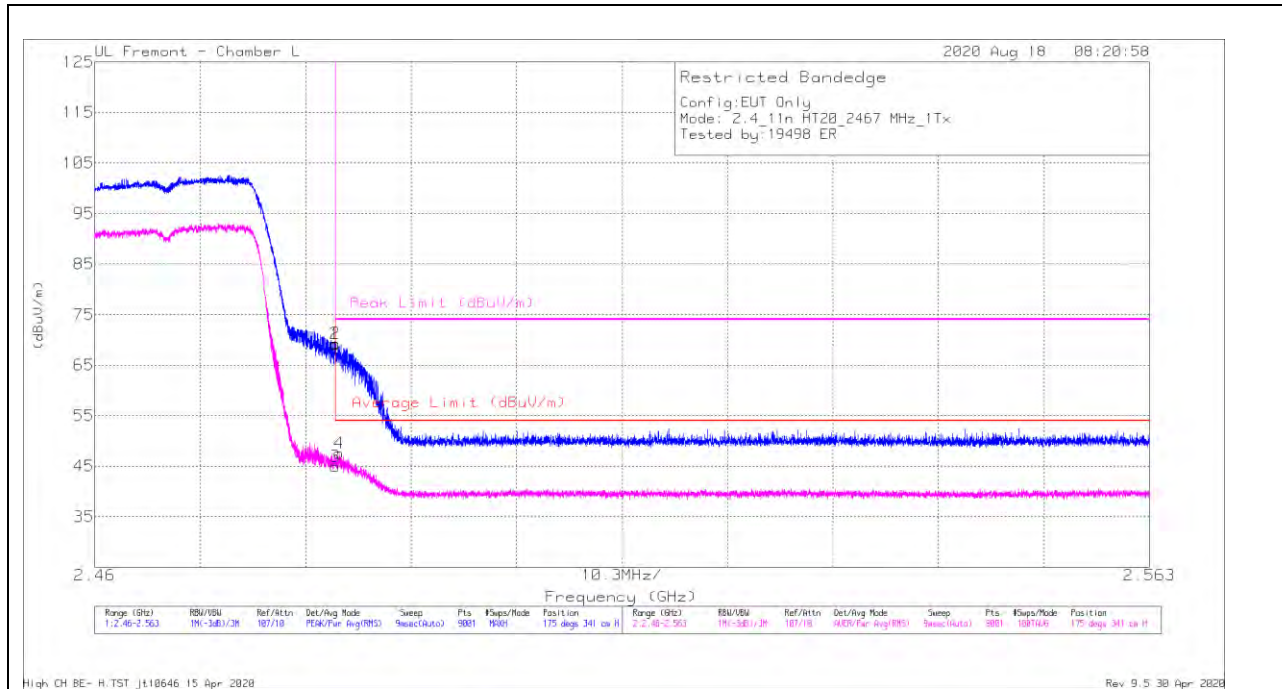


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/CbI/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	53.13	Pk	32.3	-20.0	0	64.53	-	-	74	-9.47	112	260	V
2	*2.48377	55.16	Pk	32.3	-20.0	0	66.56	-	-	74	-7.44	112	260	V
3	*2.48351	34.17	RMS	32.3	-20.0	0.39	45.96	54	-8.04	-	-	112	260	V
4	*2.4836	35.9	RMS	32.3	-20.0	0.39	47.69	54	-6.31	-	-	112	260	V

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

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

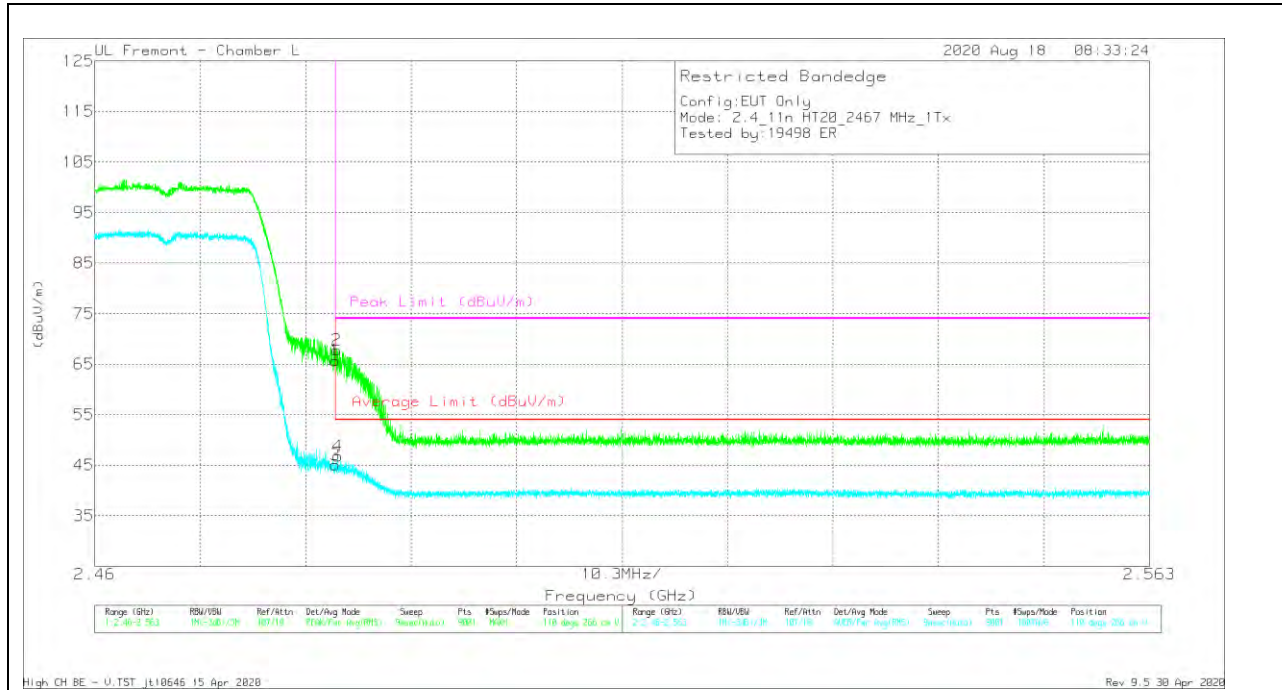
**HORIZONTAL RESULT**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	Amp/Cbl/Filtr/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	*2.48351	57.82	PK	32.3	-20.9	0	69.22	-	-	74	-4.78	175	341	H
2	*2.48352	57.91	PK	32.3	-20.9	0	69.31	-	-	74	-4.69	175	341	H
3	*2.48351	33.2	RMS	32.3	-20.9	0.39	44.99	54	-9.01	-	-	175	341	H
4	*2.48385	35.81	RMS	32.3	-20.9	0.39	47.6	54	-6.4	-	-	175	341	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 344 (dB/m)	Amp/CbI/Filtr/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	*2.48351	54.35	Pk	32.3	-20.0	0	65.75	-	-	74	-8.25	110	266	V
2	*2.48362	56.44	Pk	32.3	-20.0	0	67.84	-	-	74	-6.16	110	266	V
3	*2.48351	33.3	RMS	32.3	-20.0	0.39	45.09	54	-8.91	-	-	110	266	V
4	*2.48377	35.07	RMS	32.3	-20.0	0.39	46.86	54	-7.14	-	-	110	266	V

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