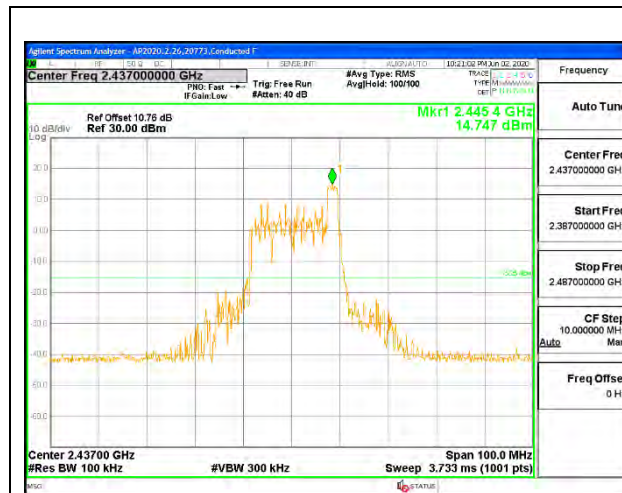




MID CHANNEL REFERENCE LEVEL ANT 3



OUT-OF-BAND MID CHANNEL ANT 3



HIGH CHANNEL 9 BANDEDGE ANT 3



OUT-OF-BAND HIGH CHANNEL 9 ANT 3



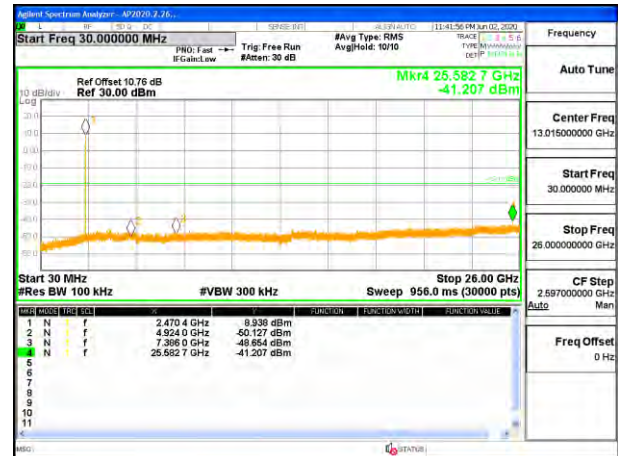
HIGH CHANNEL 10 BANDEDGE ANT 3



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

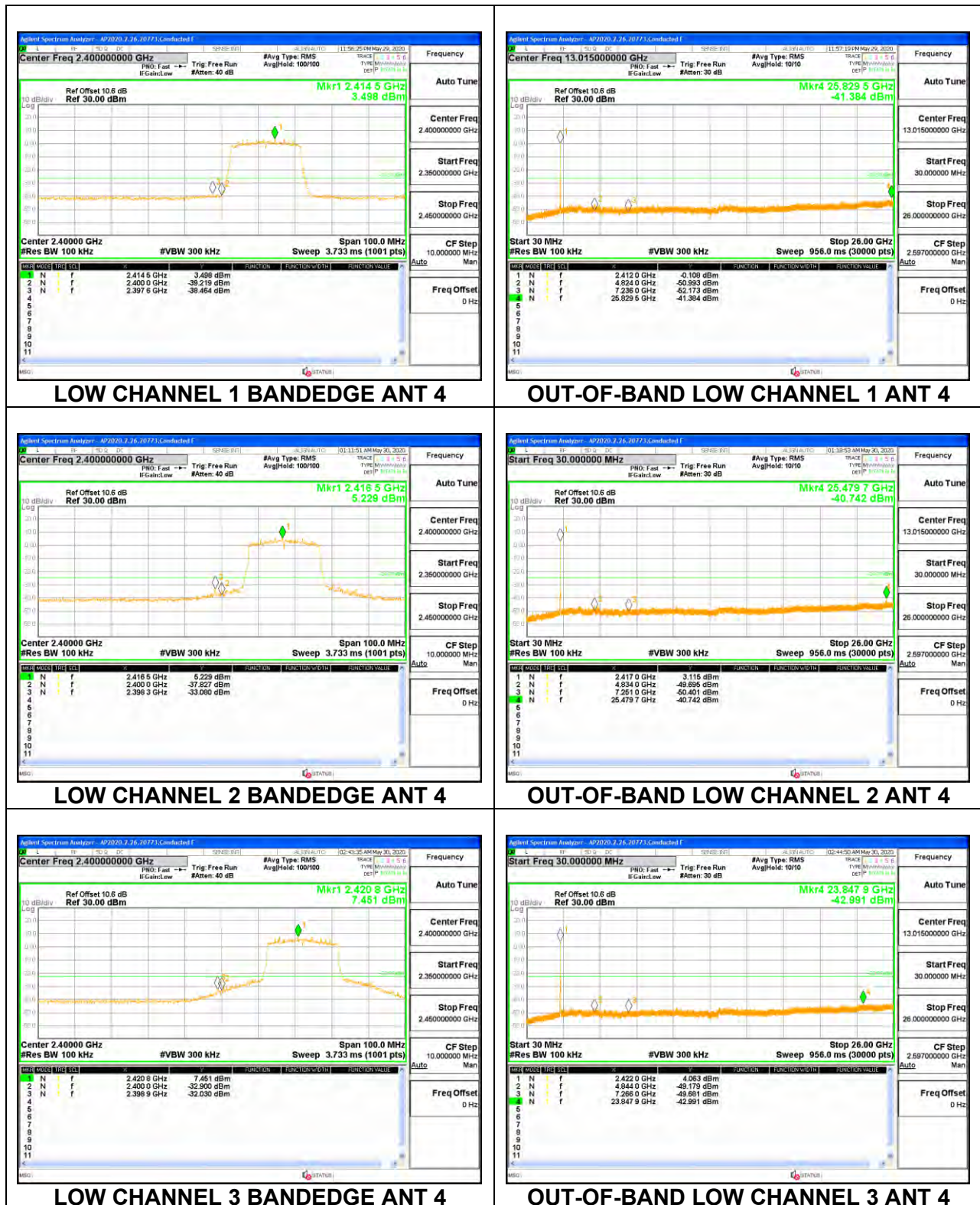


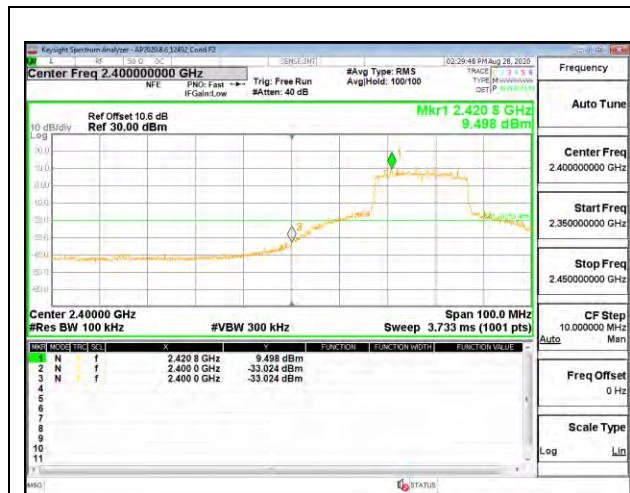
HIGH CHANNEL 13 BANDEDGE ANT 3



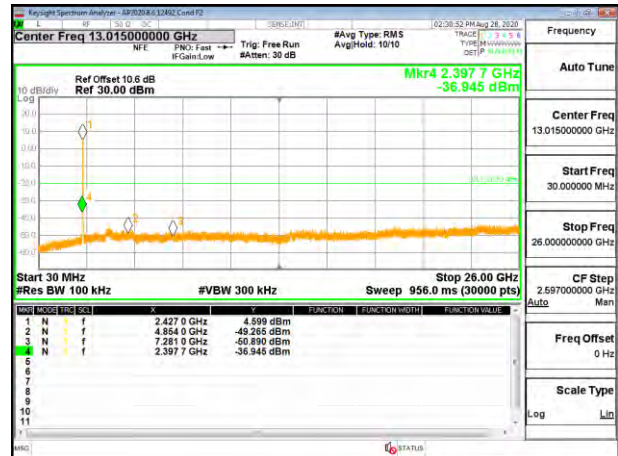
OUT-OF-BAND HIGH CHANNEL 13 ANT 3

ANT 4 + ANT 3: 242-Tone, RU Index 61





LOW CHANNEL 4 BANDEDGE ANT 4



OUT-OF-BAND LOW CHANNEL 4 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 BANDEDGE ANT 4



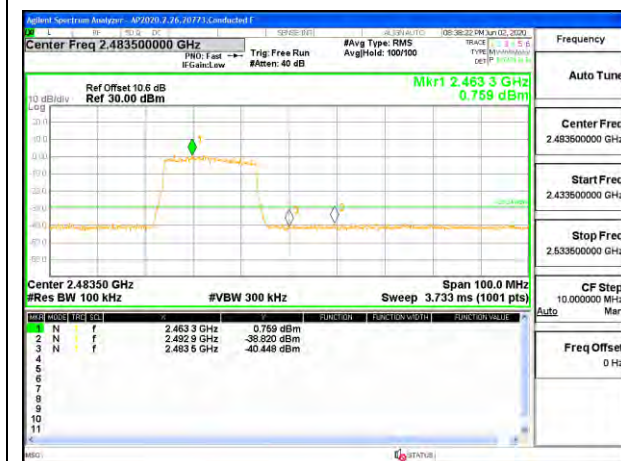
OUT-OF-BAND HIGH CHANNEL 10 ANT 4



HIGH CHANNEL 11 BANDEDGE ANT 4



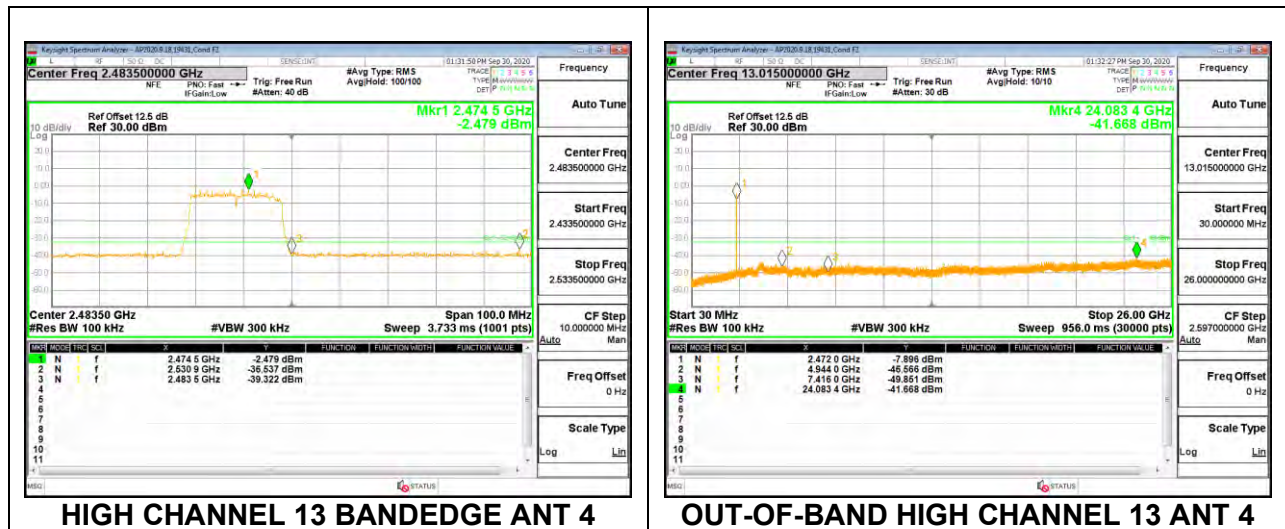
OUT-OF-BAND HIGH CHANNEL 11 ANT 4

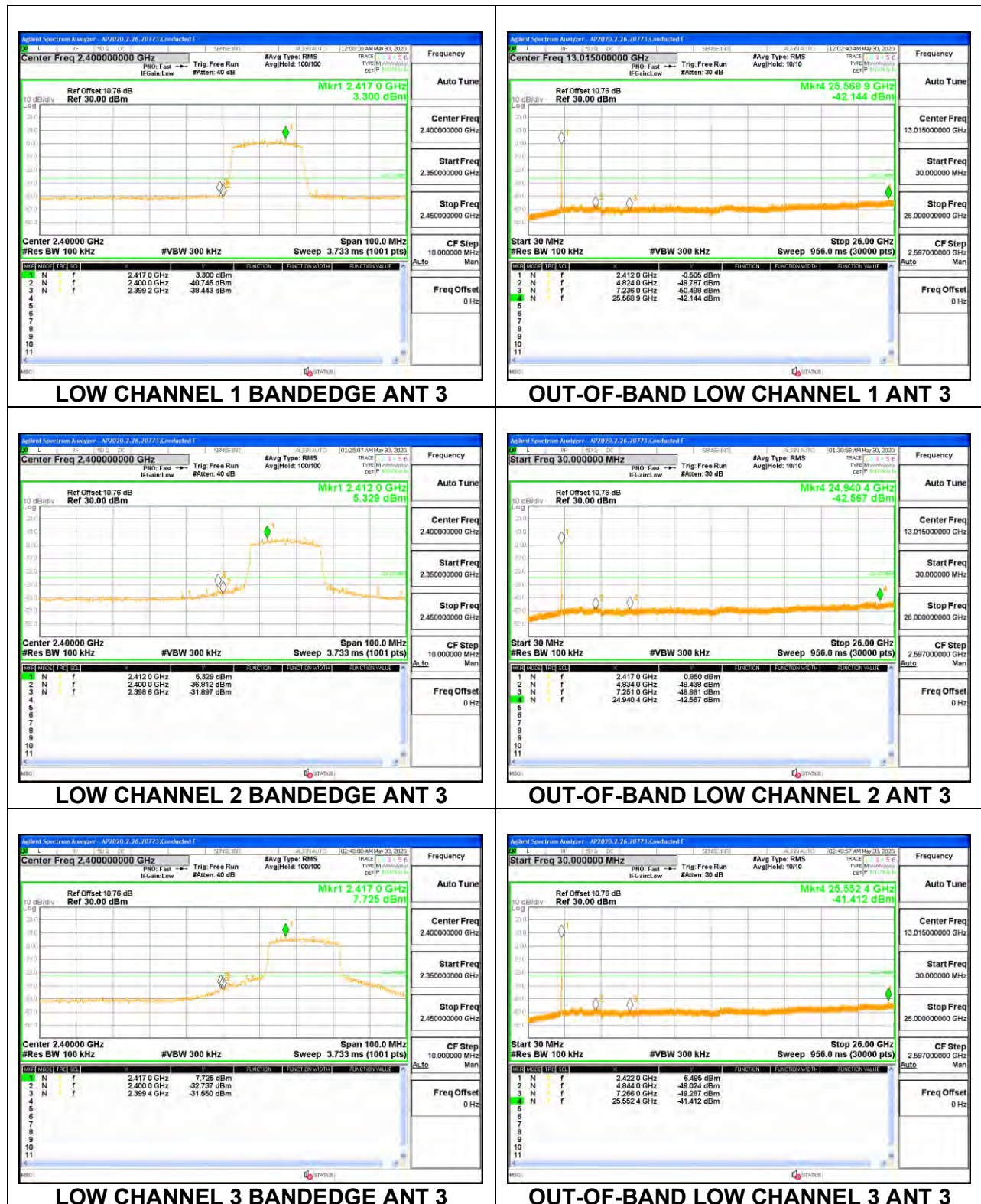


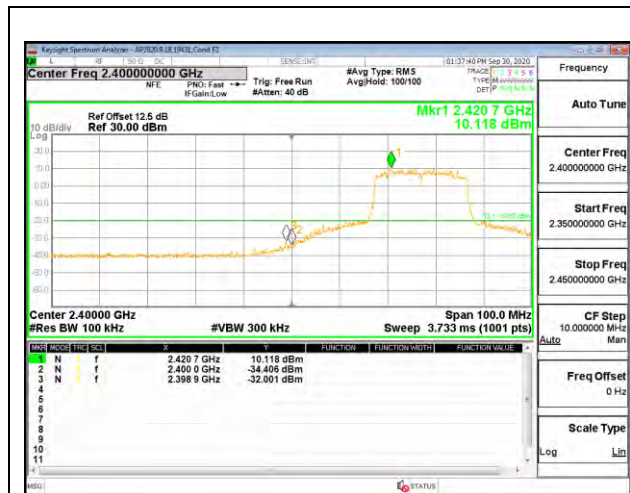
HIGH CHANNEL 12 BANDEDGE ANT 4



OUT-OF-BAND HIGH CHANNEL 12 ANT 4



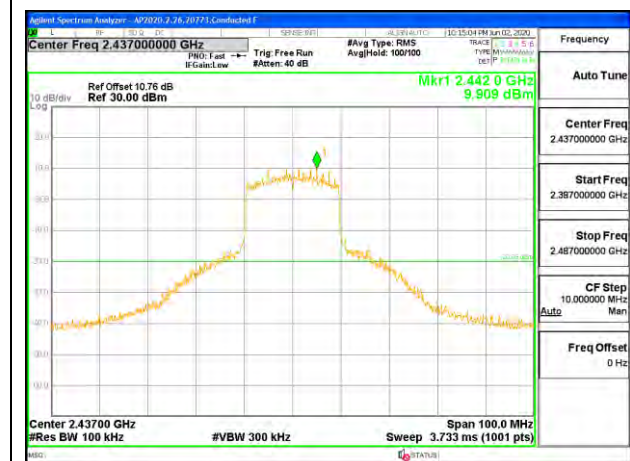




LOW CHANNEL 4 BANDEGE ANT 3



OUT-OF-BAND LOW CHANNEL 4 ANT 3



MID CHANNEL REFERENCE LEVEL ANT 3



OUT-OF-BAND MID CHANNEL ANT 3



HIGH CHANNEL 9 BANDEGE ANT 3



OUT-OF-BAND HIGH CHANNEL 9 ANT 3



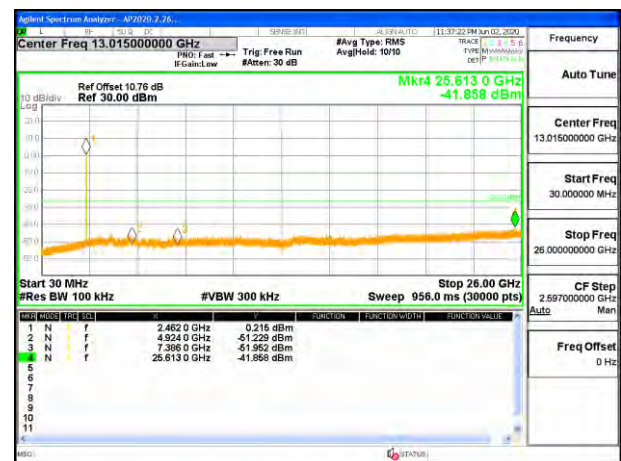
HIGH CHANNEL 10 BANDEDGE ANT 3



OUT-OF-BAND HIGH CHANNEL 10 ANT 3



HIGH CHANNEL 11 BANDEDGE ANT 3



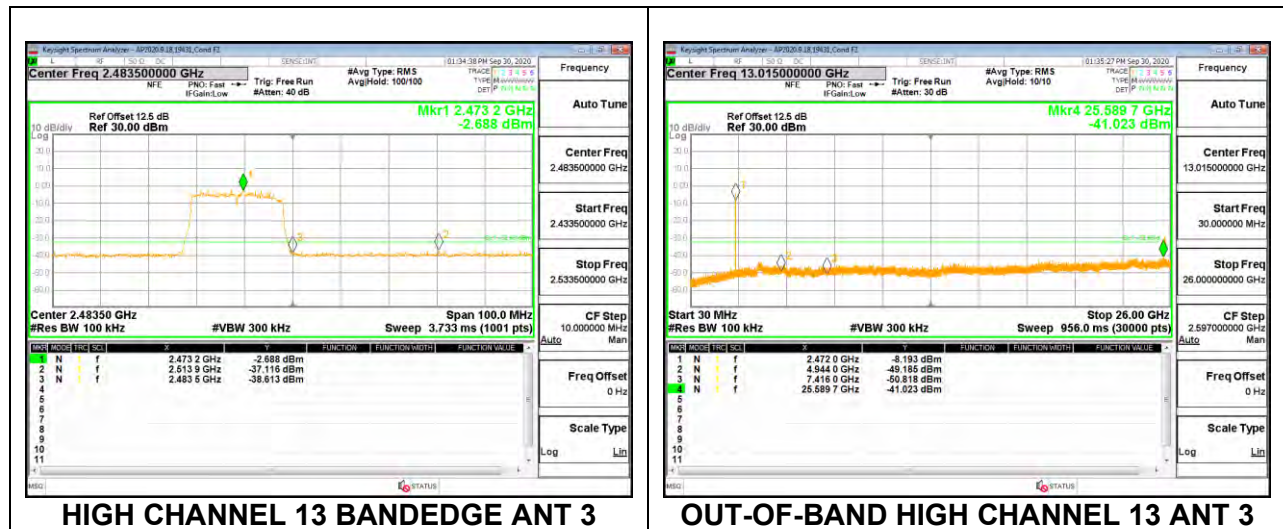
OUT-OF-BAND HIGH CHANNEL 11 ANT 3



HIGH CHANNEL 12 BANDEDGE ANT 3



OUT-OF-BAND HIGH CHANNEL 12 ANT 3



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, 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.

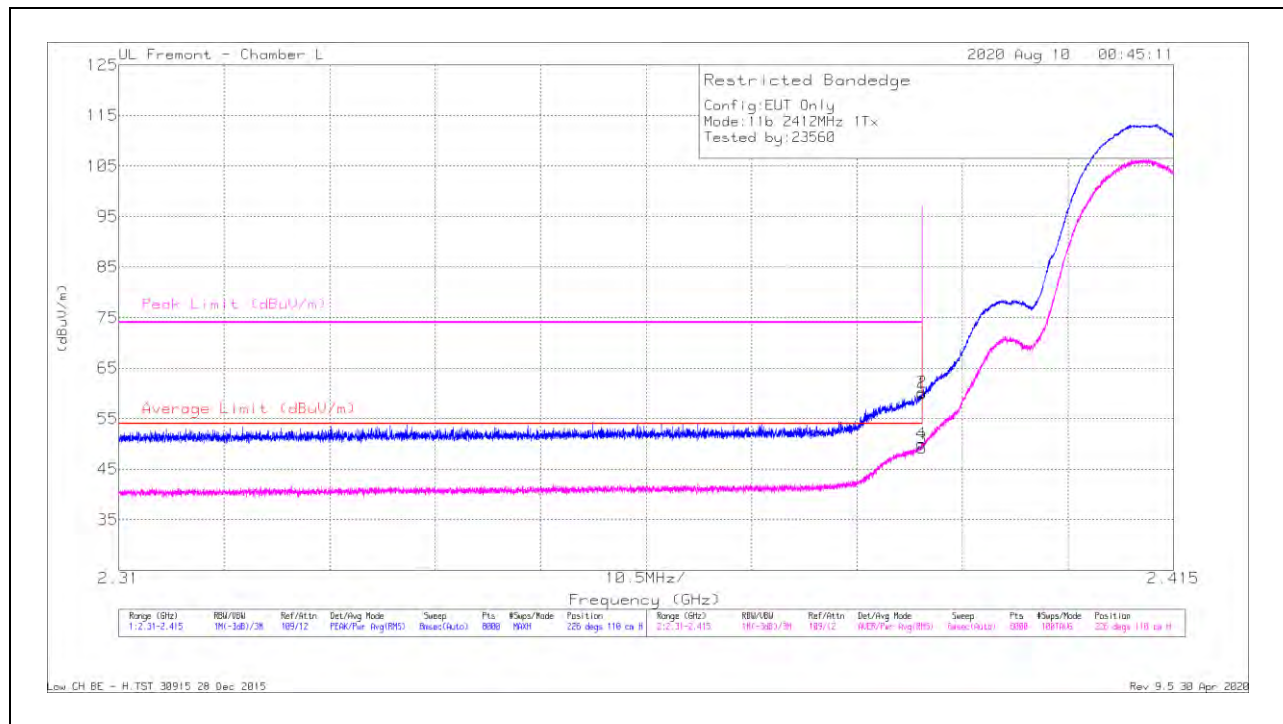
10.1. TRANSMITTER ABOVE 1 GHz

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

ANT 4

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



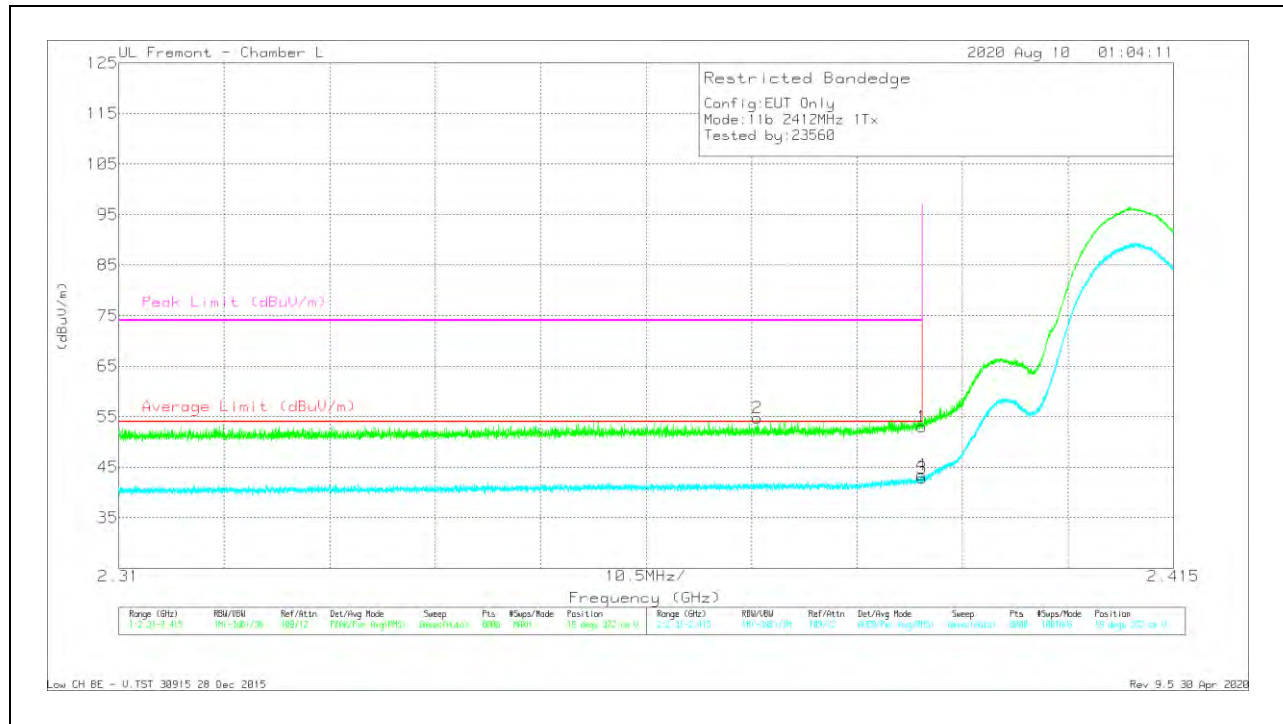
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.18	Pk	31.9	-13.1	59.98	-	-	74	-14.02	226	110	H
2	* 2.38997	41.37	Pk	31.9	-13.1	60.17	-	-	74	-13.83	226	110	H
3	* 2.39	30.35	RMS	31.9	-13.1	49.15	54	-4.85	-	-	226	110	H
4	* 2.38993	31.28	RMS	31.9	-13.1	50.08	54	-3.92	-	-	226	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 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	* 2.39	34.19	Pk	31.9	-13.1	52.99	-	-	74	-21.01	19	372	V
2	* 2.37359	35.97	Pk	31.8	-13	54.77	-	-	74	-19.23	19	372	V
3	* 2.39	24.06	RMS	31.9	-13.1	42.86	54	-11.14	-	-	19	372	V
4	* 2.38994	24.67	RMS	31.9	-13.1	43.47	54	-10.53	-	-	19	372	V

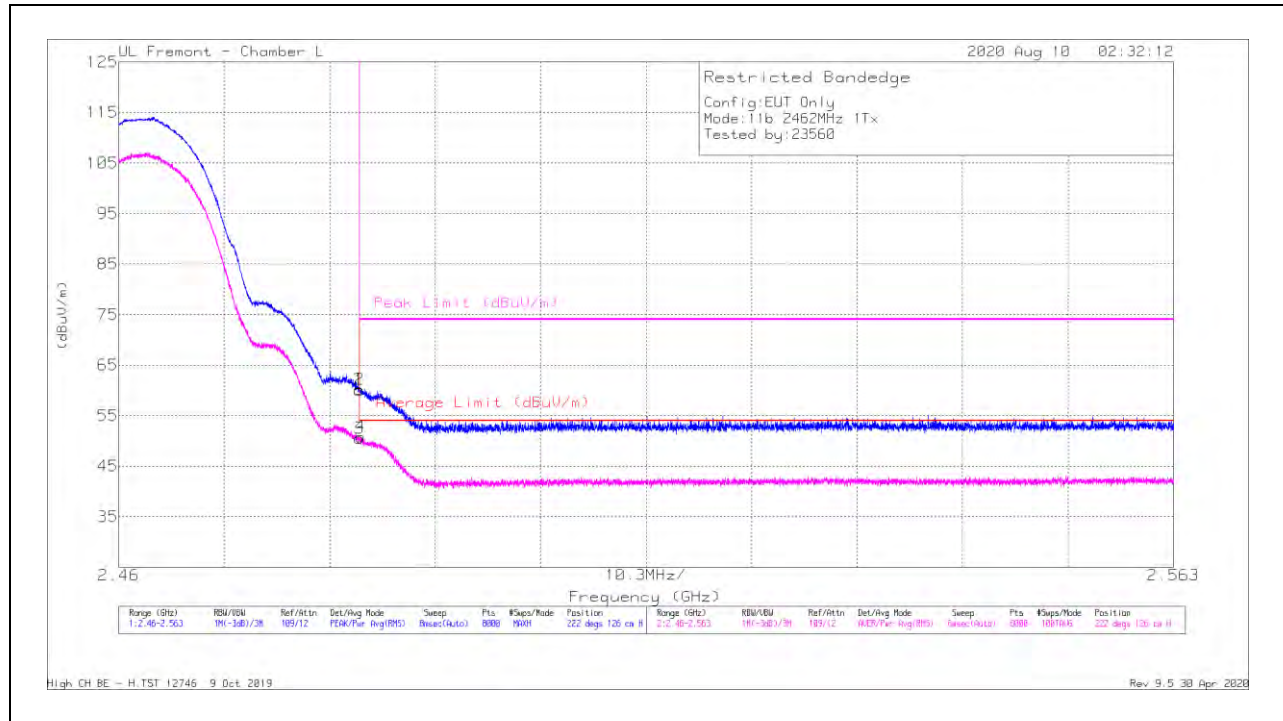
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



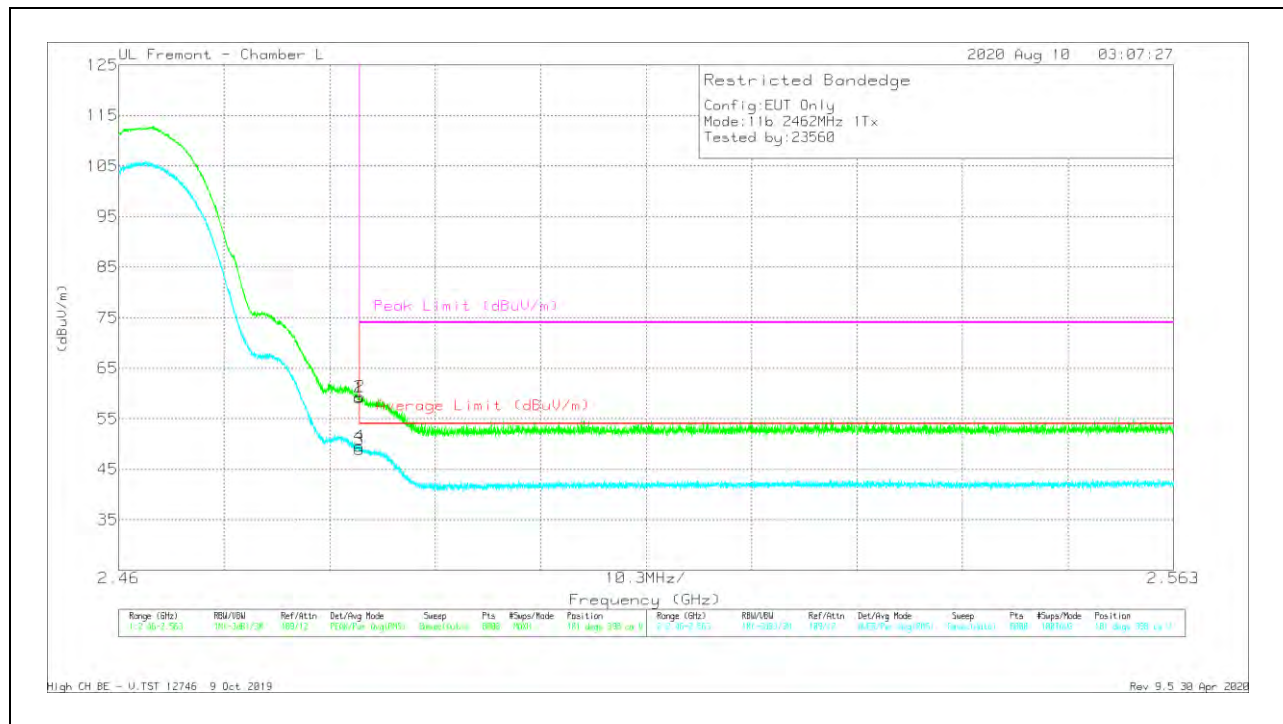
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	40.64	Pk	32.3	-12.9	60.04	-	-	74	-13.96	222	126	H
2	* 2.48351	40.81	Pk	32.3	-12.9	60.21	-	-	74	-13.79	222	126	H
3	* 2.4835	31.17	RMS	32.3	-12.9	50.57	54	-3.43	-	-	222	126	H
4	* 2.48359	31.45	RMS	32.3	-12.9	50.85	54	-3.15	-	-	222	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)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	39.7	Pk	32.3	-12.9	59.1	-	-	74	-14.9	181	398	V
2	* 2.48353	40.01	Pk	32.3	-12.9	59.41	-	-	74	-14.59	181	398	V
3	* 2.4835	29.55	RMS	32.3	-12.9	48.95	54	-5.05	-	-	181	398	V
4	* 2.48351	30.18	RMS	32.3	-12.9	49.58	54	-4.42	-	-	181	398	V

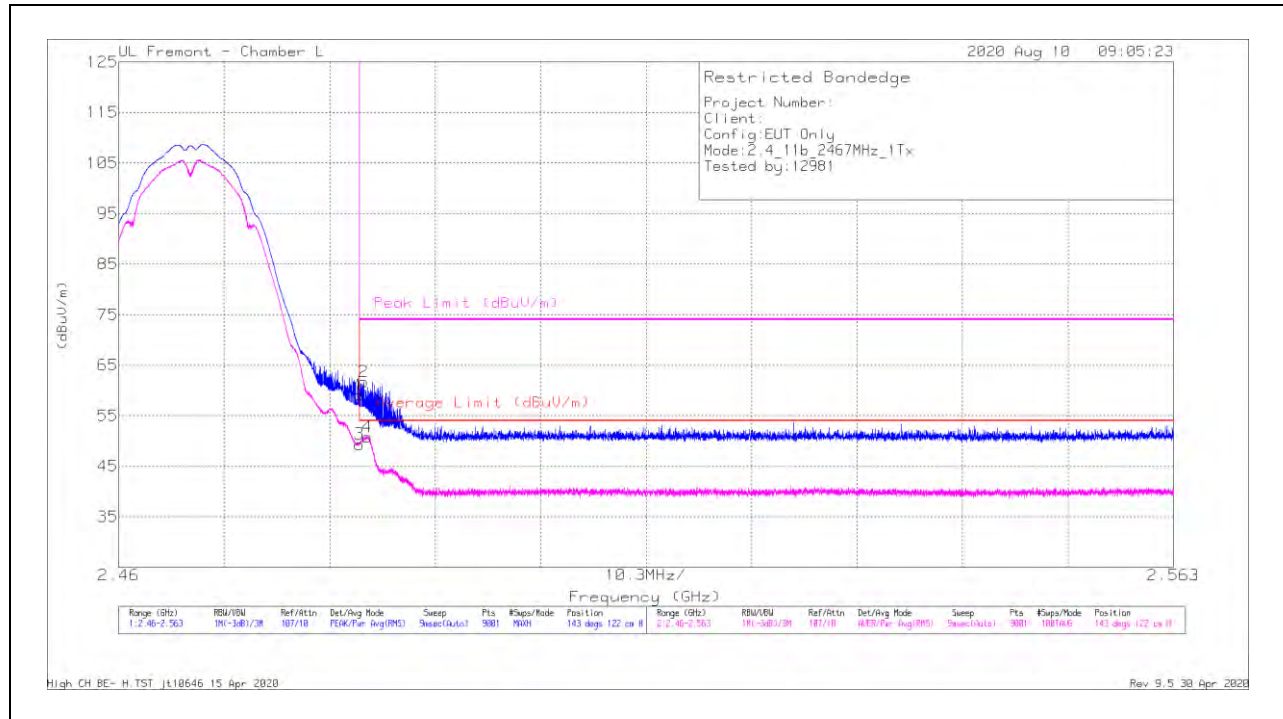
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



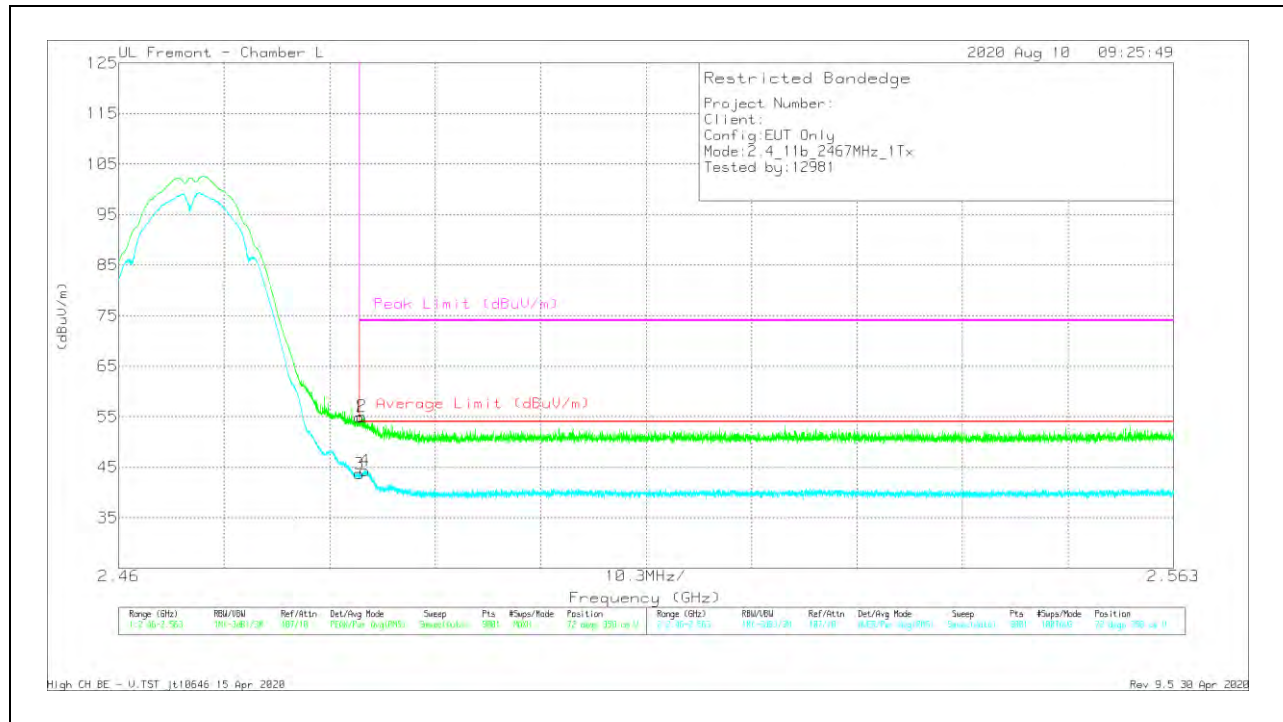
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	47.7	Pk	32.3	-20.9	59.1	-	-	74	-14.9	143	122	H
2	* 2.48393	50.31	Pk	32.3	-20.9	61.71	-	-	74	-12.29	143	122	H
3	* 2.48351	37.96	RMS	32.3	-20.9	49.36	54	-4.64	-	-	143	122	H
4	* 2.48427	39.44	RMS	32.3	-20.9	50.84	54	-3.16	-	-	143	122	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)	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	43.5	Pk	32.3	-20.9	54.9	-	-	74	-19.1	72	350	V
2	* 2.48371	43.67	Pk	32.3	-20.9	55.07	-	-	74	-18.93	72	350	V
3	* 2.48351	32.26	RMS	32.3	-20.9	43.66	54	-10.34	-	-	72	350	V
4	* 2.48402	32.92	RMS	32.3	-20.9	44.32	54	-9.68	-	-	72	350	V

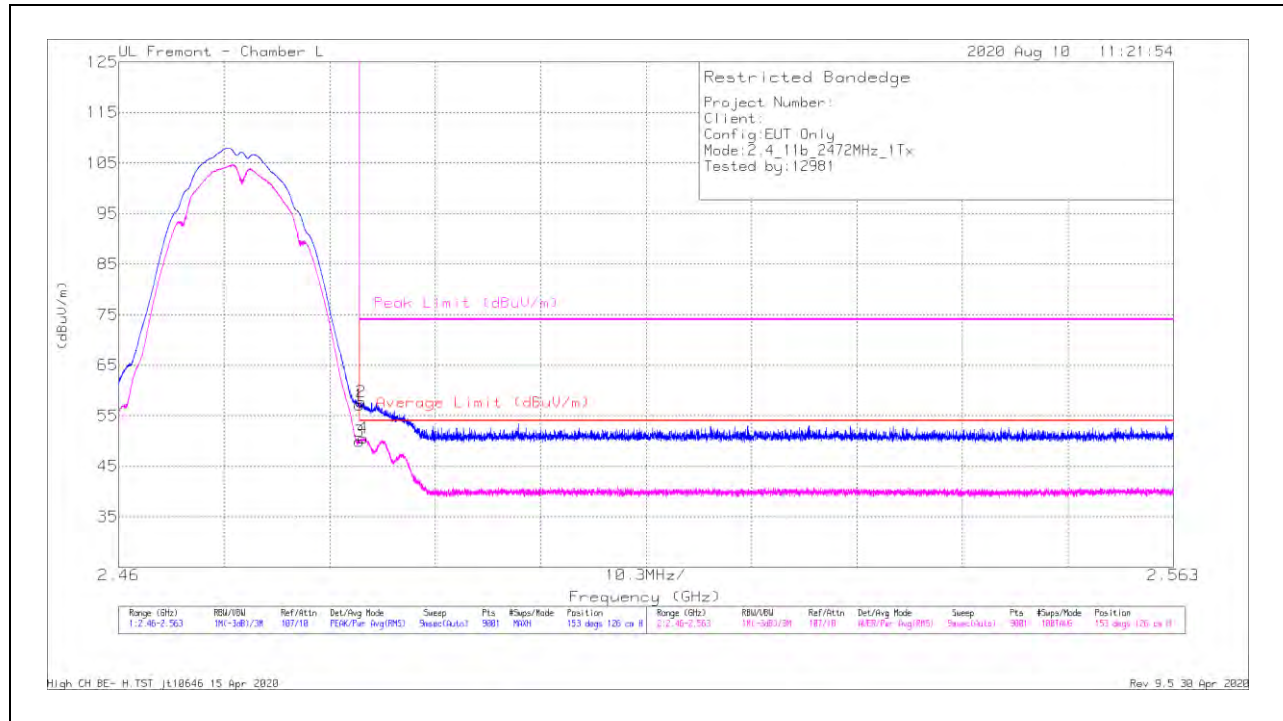
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



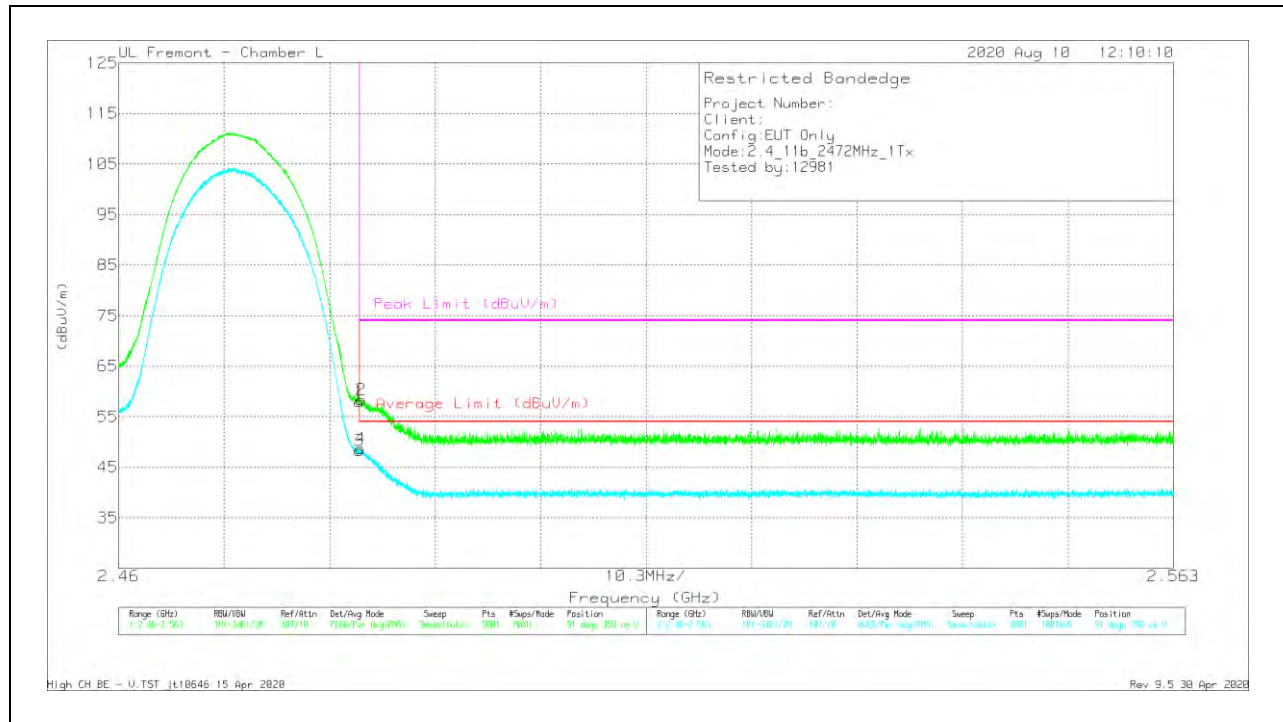
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	45.74	Pk	32.3	-20.9	57.14	-	-	74	-16.86	153	126	H
2	* 2.48369	46.38	Pk	32.3	-20.9	57.78	-	-	74	-16.22	153	126	H
3	* 2.48351	38.57	RMS	32.3	-20.9	49.97	54	-4.03	-	-	153	126	H
4	* 2.48388	39.19	RMS	32.3	-20.9	50.59	54	-3.41	-	-	153	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)	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	46.55	Pk	32.3	-20.9	57.95	-	-	74	-16.05	91	350	V
2	* 2.48368	46.93	Pk	32.3	-20.9	58.33	-	-	74	-15.67	91	350	V
3	* 2.48351	36.96	RMS	32.3	-20.9	48.36	54	-5.64	-	-	91	350	V
4	* 2.4836	37.32	RMS	32.3	-20.9	48.72	54	-5.28	-	-	91	350	V

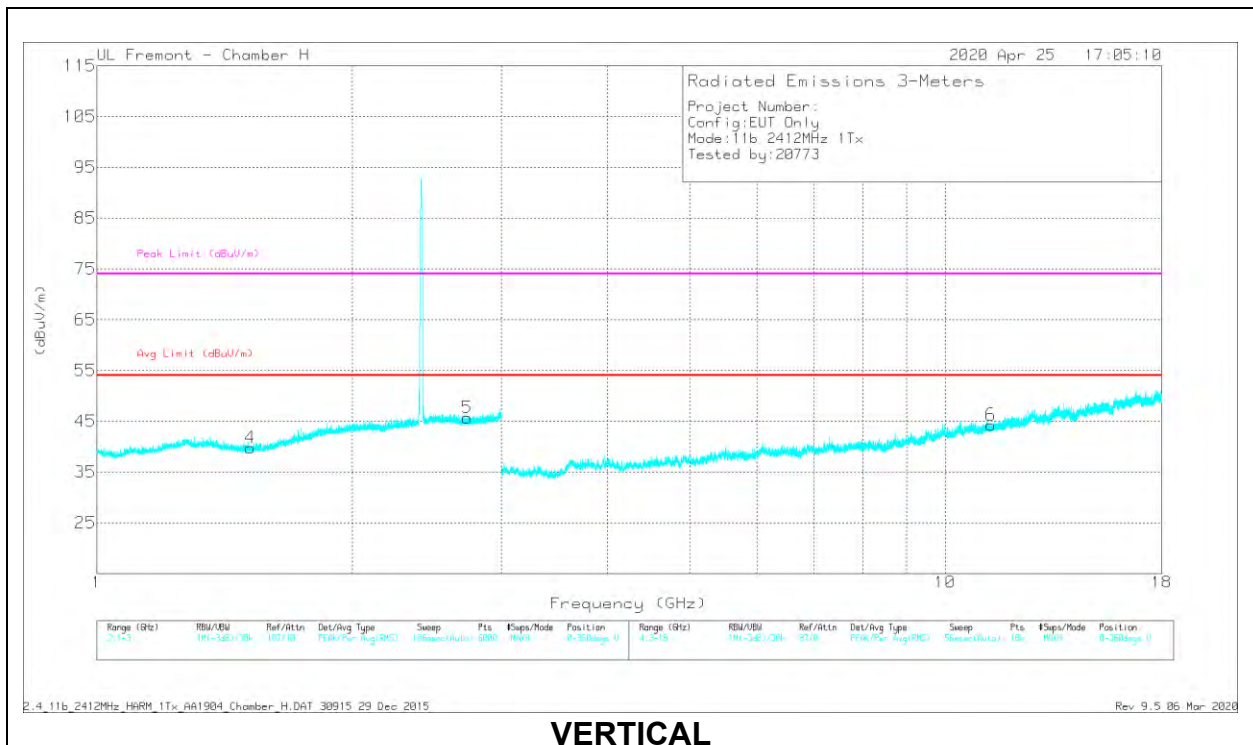
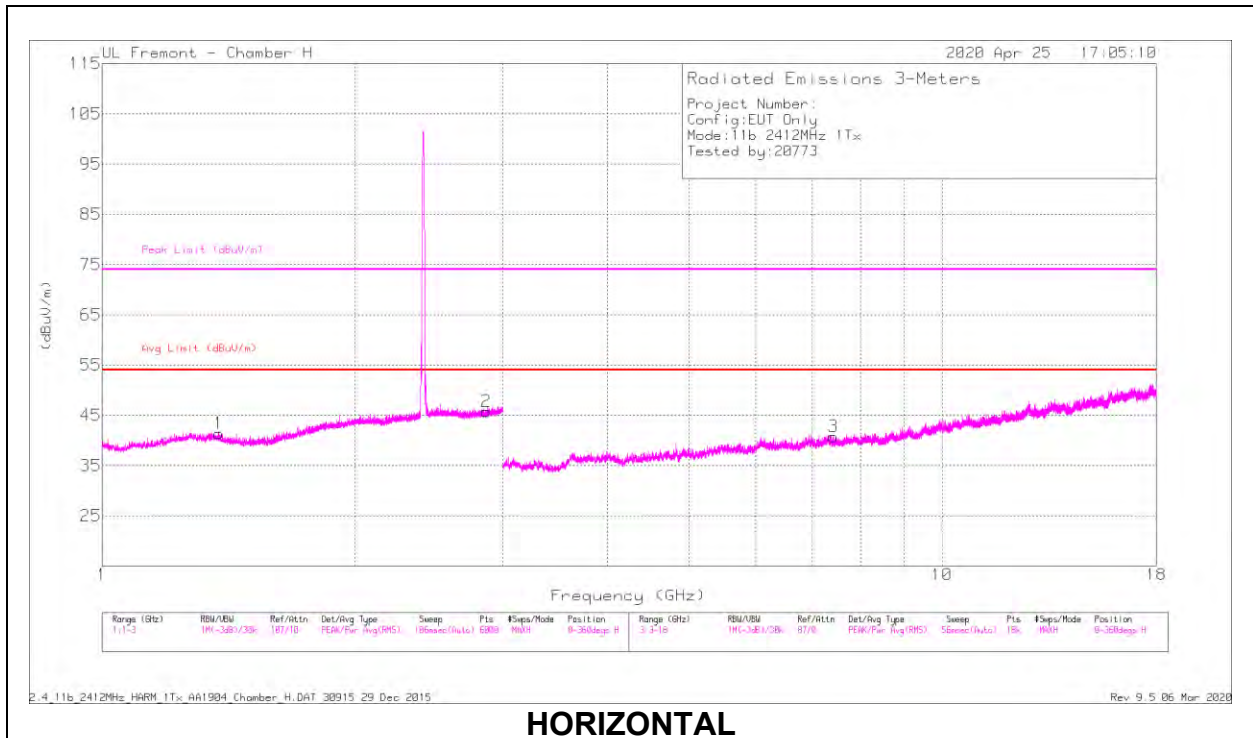
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

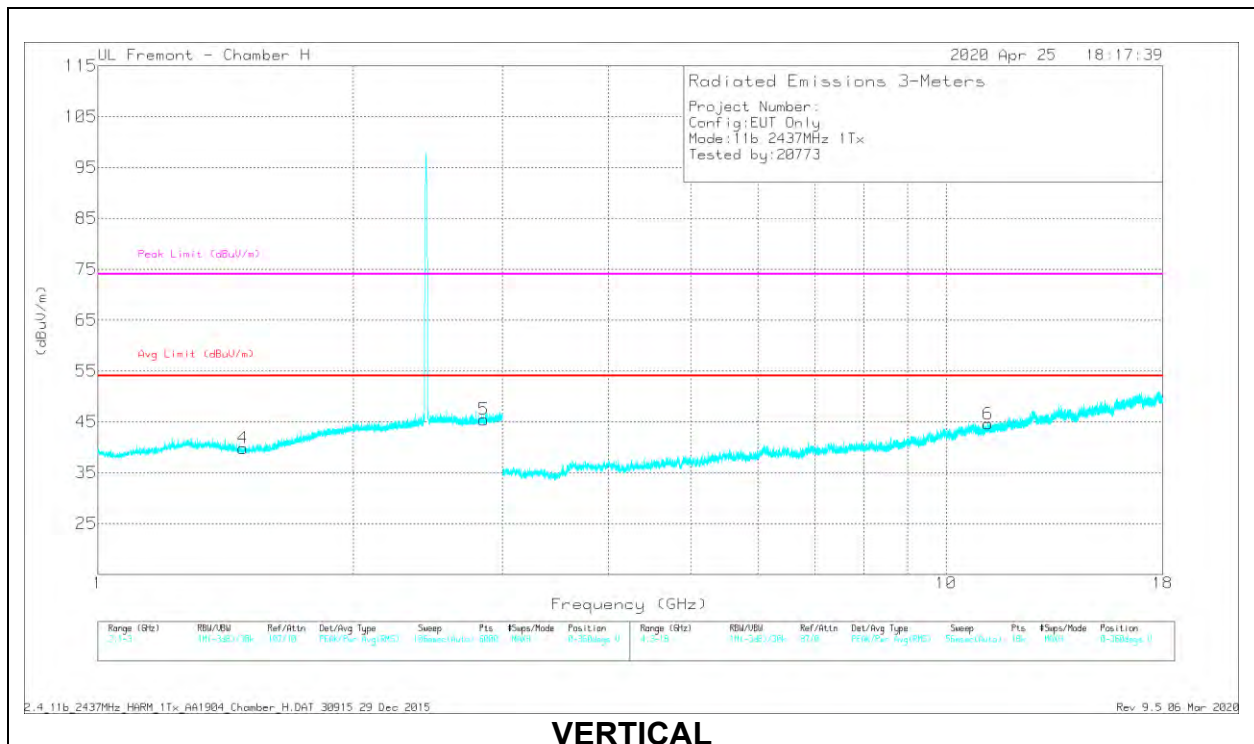
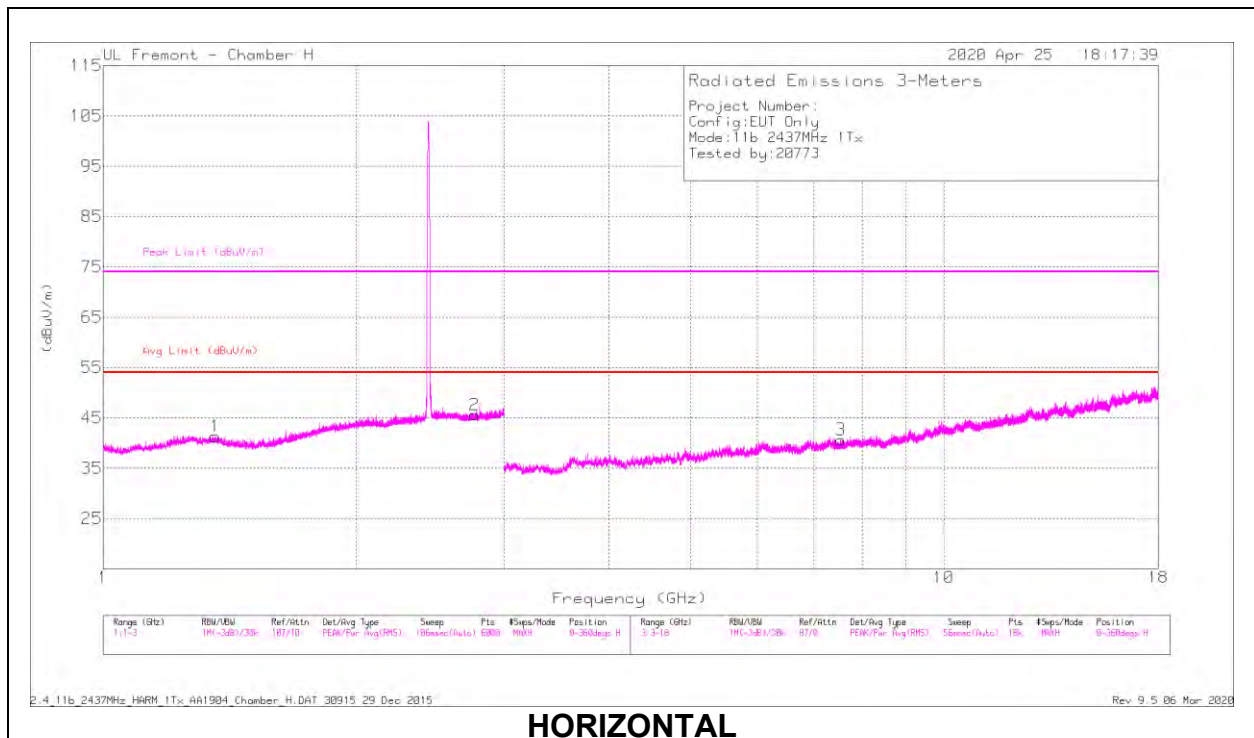
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.37811	45.01	PK2	28.8	-25.4	48.41	-	-	74	-25.59	94	164	H
	* 1.37559	33.44	MAv1	28.8	-25.4	36.84	54	-17.16	-	-	94	164	H
2	* 2.86709	44.2	PK2	32.5	-23.4	53.3	-	-	74	-20.7	132	229	H
	* 2.86725	32.55	MAv1	32.5	-23.4	41.65	54	-12.35	-	-	132	229	H
4	* 1.51786	44.91	PK2	27.8	-25.1	47.61	-	-	74	-26.39	27	119	V
	* 1.51635	33.23	MAv1	27.8	-25.1	35.93	54	-18.07	-	-	27	119	V
5	* 2.73373	44.69	PK2	32.2	-23.5	53.39	-	-	74	-20.61	146	142	V
	* 2.73169	32.57	MAv1	32.2	-23.5	41.27	54	-12.73	-	-	146	142	V
3	* 7.42502	39.75	PK2	36.1	-27.7	48.15	-	-	74	-25.85	118	199	H
	* 7.42358	28	MAv1	36.1	-27.7	36.4	54	-17.6	-	-	118	199	H
6	* 11.32845	37.14	PK2	38	-24	51.14	-	-	74	-22.86	334	207	V
	* 11.32673	26.14	MAv1	38	-24	40.14	54	-13.86	-	-	334	207	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



RADIATED EMISSIONS

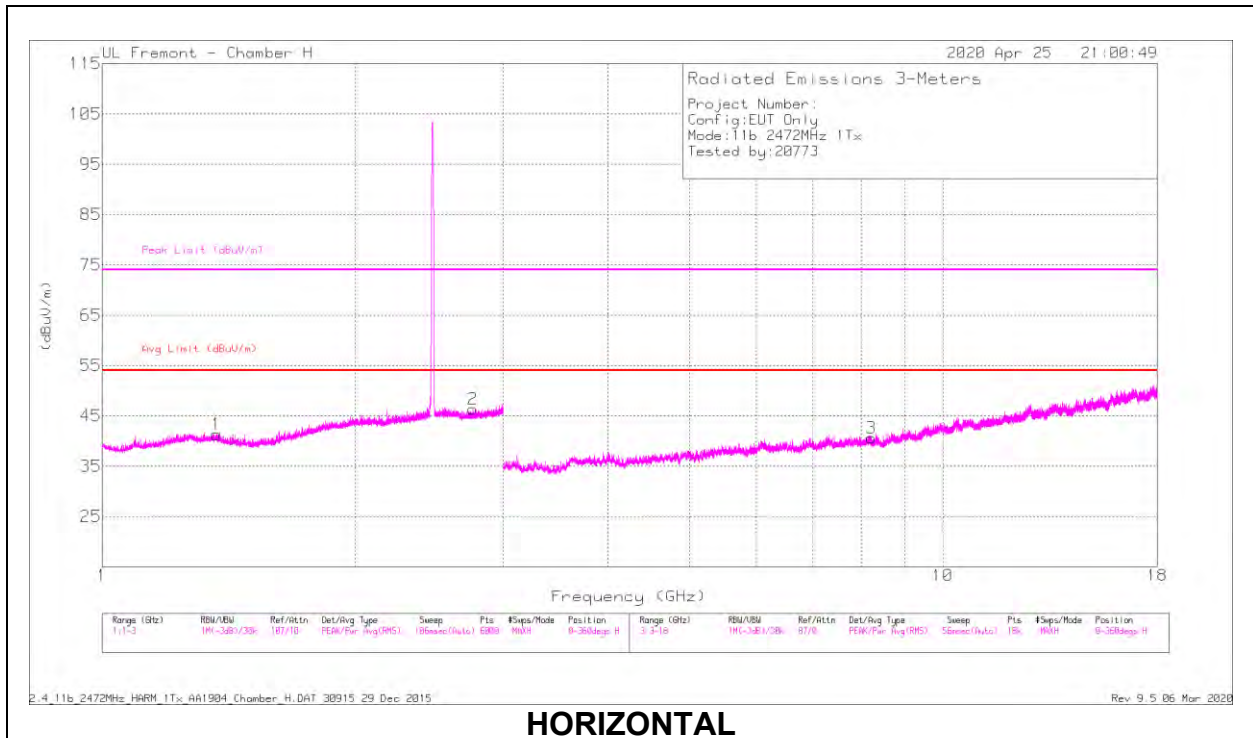
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.35914	44.9	PK2	29.1	-25.5	48.5	-	-	74	-25.5	289	115	H
	* 1.36058	33.33	MAv1	29.1	-25.5	36.93	54	-17.07	-	-	289	115	H
2	* 2.76594	44.7	PK2	32.2	-23.5	53.4	-	-	74	-20.6	354	131	H
	* 2.7621	32.58	MAv1	32.2	-23.5	41.28	54	-12.72	-	-	354	131	H
4	* 1.4842	45.18	PK2	27.8	-25.1	47.88	-	-	74	-26.12	262	138	V
	* 1.4815	33.17	MAv1	27.8	-25.1	35.87	54	-18.13	-	-	262	138	V
5	* 2.85529	44.79	PK2	32.4	-23.4	53.79	-	-	74	-20.21	226	189	V
	* 2.85546	32.42	MAv1	32.4	-23.4	41.42	54	-12.58	-	-	226	189	V
3	* 7.54667	39.24	PK2	36.1	-28.1	47.24	-	-	74	-26.76	163	250	H
	* 7.54428	28.12	MAv1	36.1	-28.1	36.12	54	-17.88	-	-	163	250	H
6	* 11.2153	36.95	PK2	37.9	-23.5	51.35	-	-	74	-22.65	354	255	V
	* 11.2137	25.91	MAv1	37.9	-23.5	40.31	54	-13.69	-	-	354	255	V

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

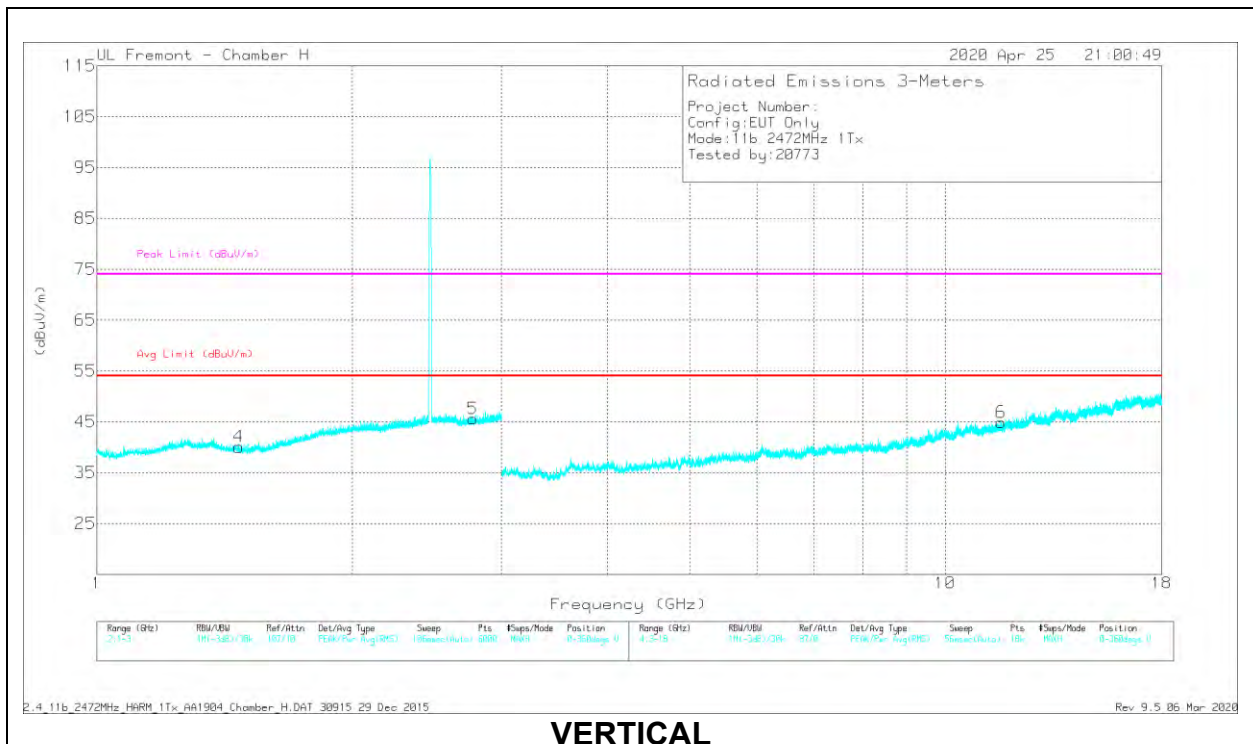
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 13 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	* 1.3683	45.13	PK2	29	-25.5	48.63	-	-	74	-25.37	20	176	H
	* 1.36984	33.34	MAv1	28.9	-25.4	36.84	54	-17.16	-	-	20	176	H
2	* 2.75976	44.56	PK2	32.2	-23.5	53.26	-	-	74	-20.74	287	191	H
	* 2.75965	32.64	MAv1	32.2	-23.5	41.34	54	-12.66	-	-	287	191	H
4	* 1.47031	44.69	PK2	27.9	-25.1	47.49	-	-	74	-26.51	190	333	V
	* 1.4685	33.22	MAv1	27.9	-25.2	35.92	54	-18.08	-	-	190	333	V
5	* 2.77802	43.76	PK2	32.3	-23.5	52.56	-	-	74	-21.44	202	166	V
	* 2.77737	32.58	MAv1	32.3	-23.5	41.38	54	-12.62	-	-	202	166	V
3	* 8.22951	38.12	PK2	36.1	-26.6	47.62	-	-	74	-26.38	116	106	H
	* 8.22679	27.03	MAv1	36.1	-26.6	36.53	54	-17.47	-	-	116	106	H
6	* 11.64862	37.03	PK2	38.4	-23.7	51.73	-	-	74	-22.27	104	214	V
	* 11.65154	25.77	MAv1	38.4	-23.7	40.47	54	-13.53	-	-	104	214	V

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

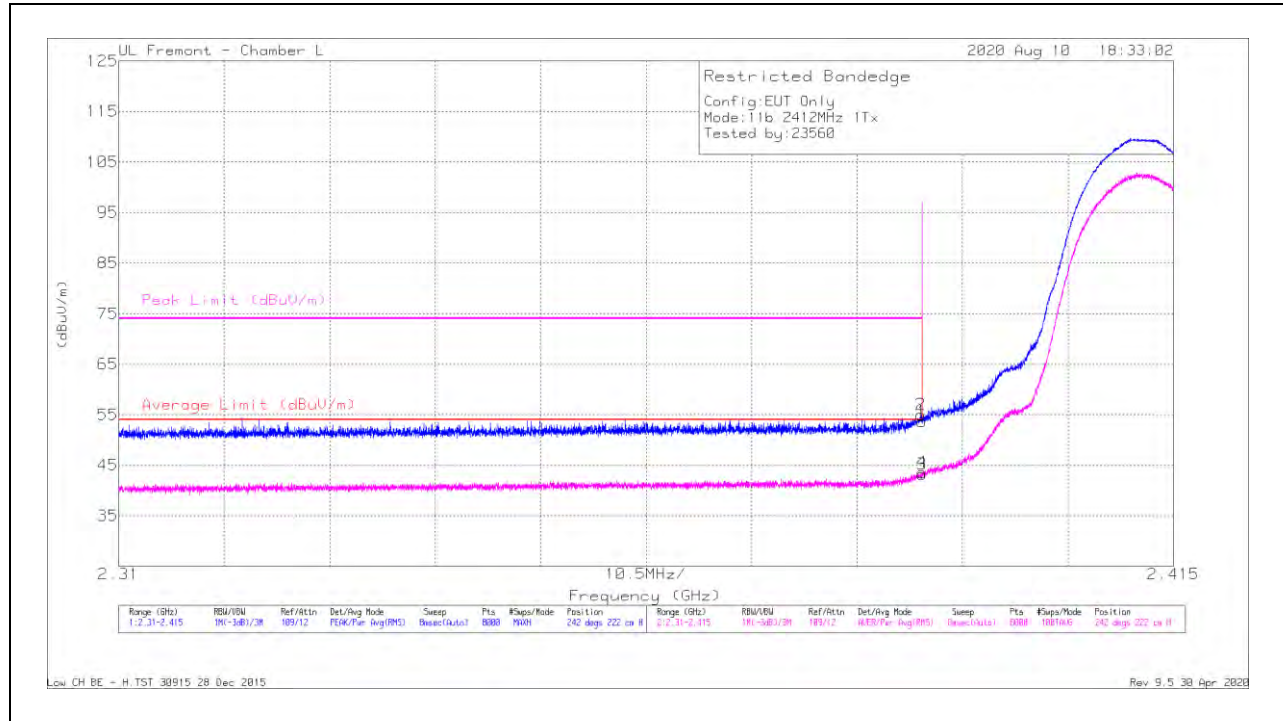
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

ANT 3

BANDEDGE (LOW CHANNEL, CH 1)

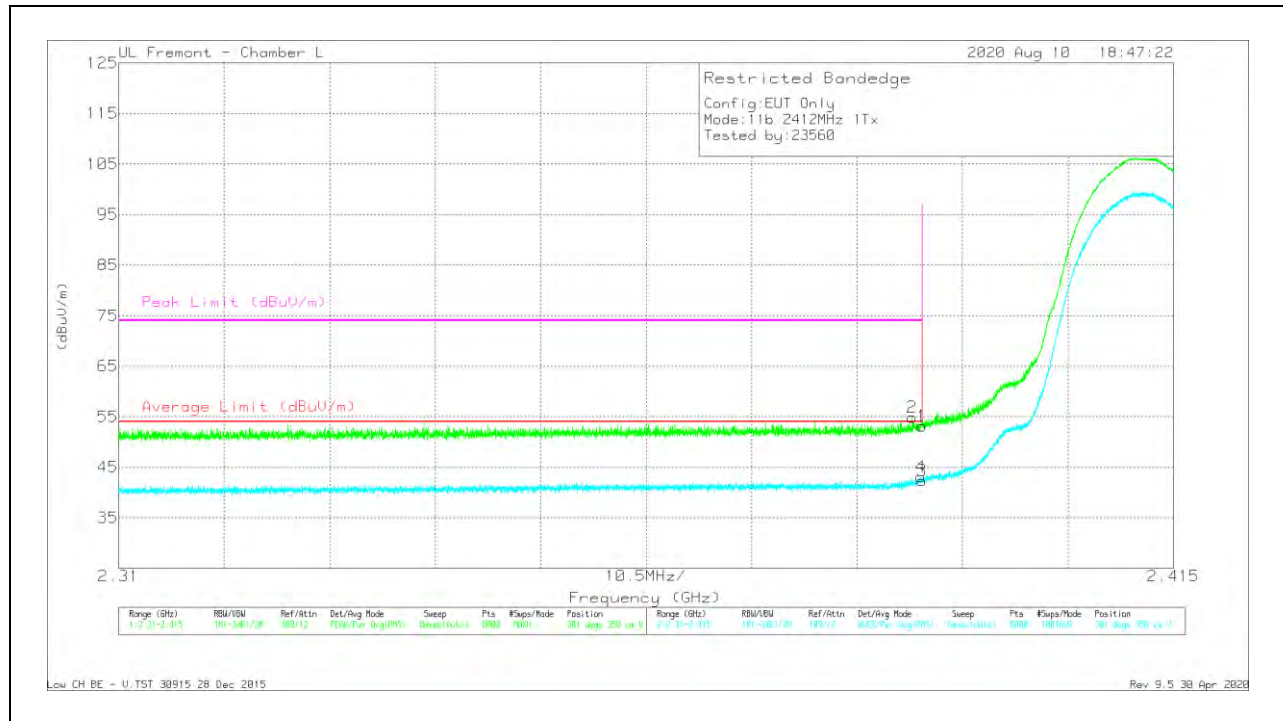
HORIZONTAL RESULT



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	* 2.39	34.86	Pk	31.9	-13.1	53.66	-	-	74	-20.34	242	222	H
2	* 2.38983	36.19	Pk	31.9	-13.1	54.99	-	-	74	-19.01	242	222	H
3	* 2.39	24.39	RMS	31.9	-13.1	43.19	54	-10.81	-	-	242	222	H
4	* 2.38997	24.75	RMS	31.9	-13.1	43.55	54	-10.45	-	-	242	222	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/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	* 2.39	34.4	Pk	31.9	-13.1	53.2	-	-	74	-20.8	301	350	V
2	* 2.389	36.13	Pk	31.9	-13.1	54.93	-	-	74	-19.07	301	350	V
3	* 2.39	23.52	RMS	31.9	-13.1	42.32	54	-11.68	-	-	301	350	V
4	* 2.38985	24.32	RMS	31.9	-13.1	43.12	54	-10.88	-	-	301	350	V

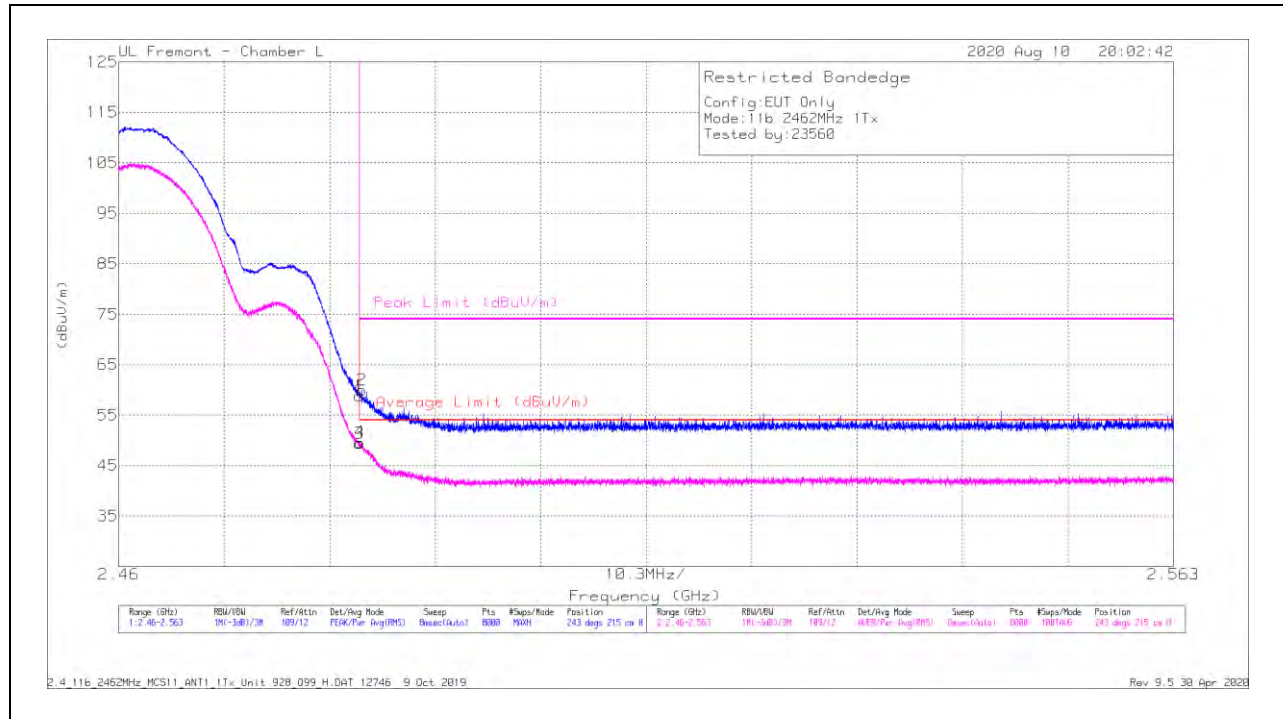
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



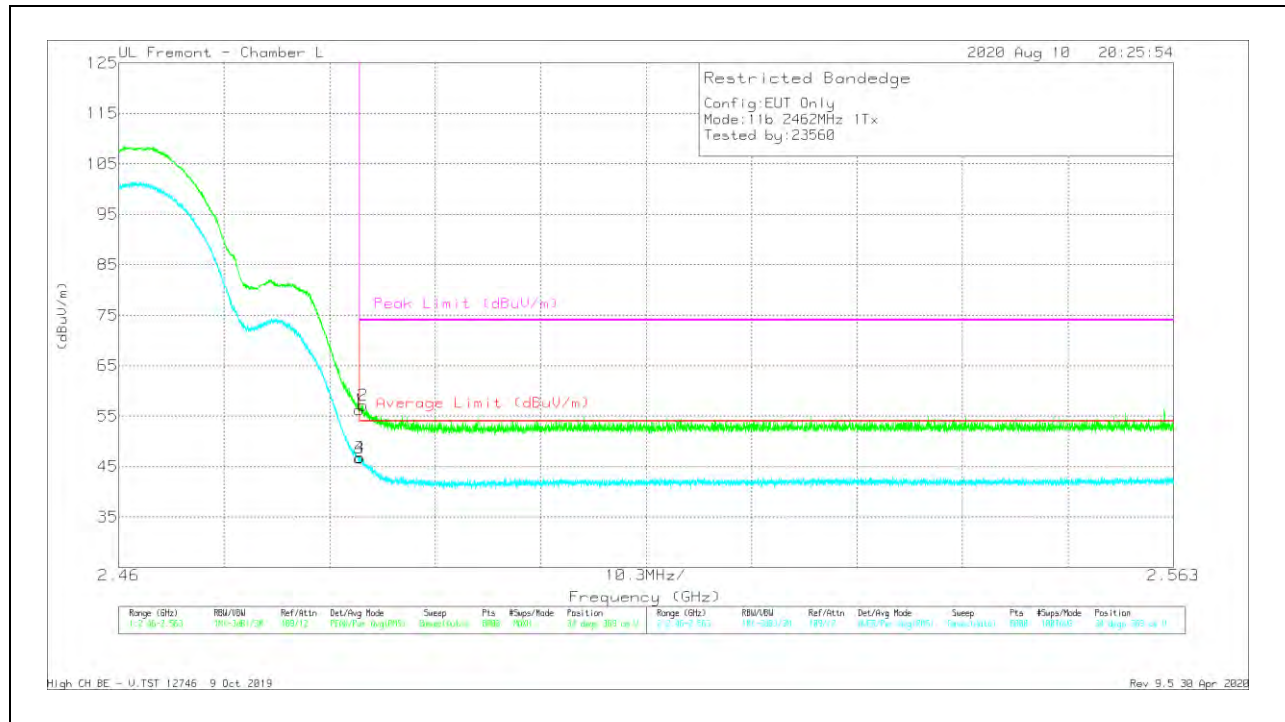
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	39.43	Pk	32.3	-12.9	58.83	-	-	74	-15.17	243	215	H
2	* 2.48372	40.59	Pk	32.3	-12.9	59.99	-	-	74	-14.01	243	215	H
3	* 2.4835	30	RMS	32.3	-12.9	49.4	54	-4.6	-	-	243	215	H
4	* 2.48355	30.21	RMS	32.3	-12.9	49.61	54	-4.39	-	-	243	215	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)	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	36.82	Pk	32.3	-12.9	56.22	-	-	74	-17.78	34	369	V
2	* 2.48385	37.69	Pk	32.3	-12.9	57.09	-	-	74	-16.91	34	369	V
3	* 2.4835	27.25	RMS	32.3	-12.9	46.65	54	-7.35	-	-	34	369	V
4	* 2.48358	27.38	RMS	32.3	-12.9	46.78	54	-7.22	-	-	34	369	V

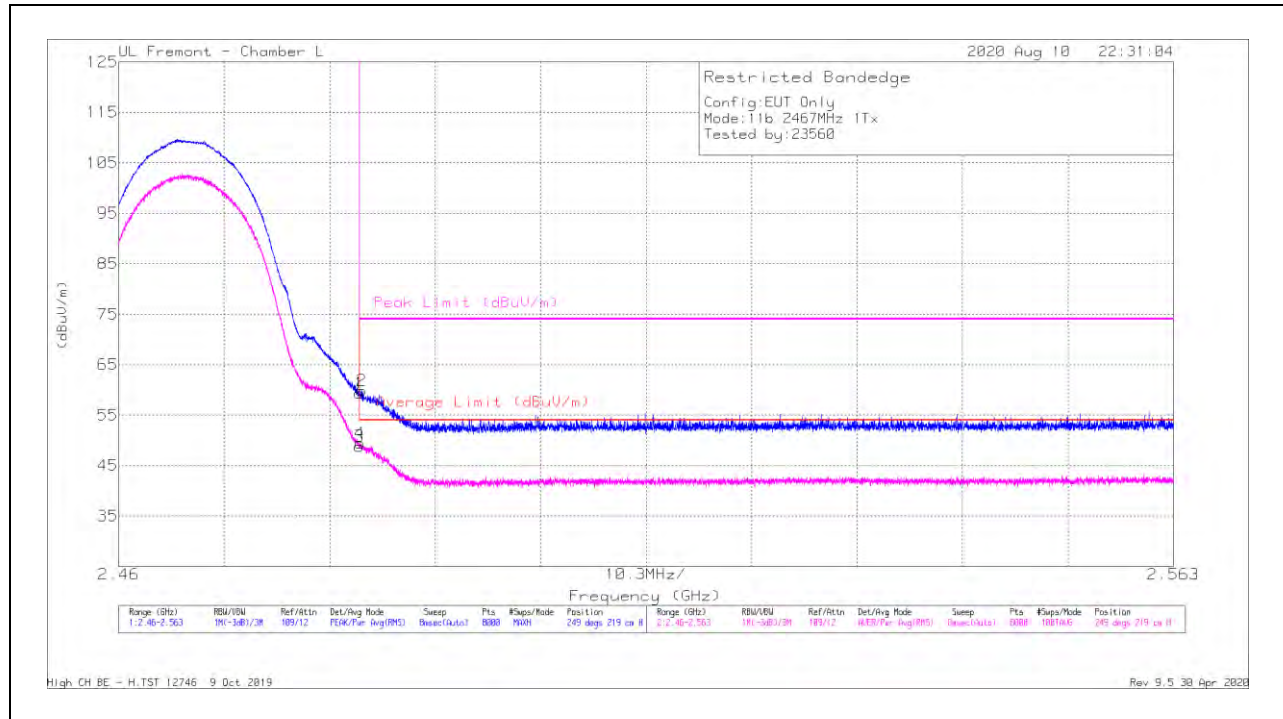
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



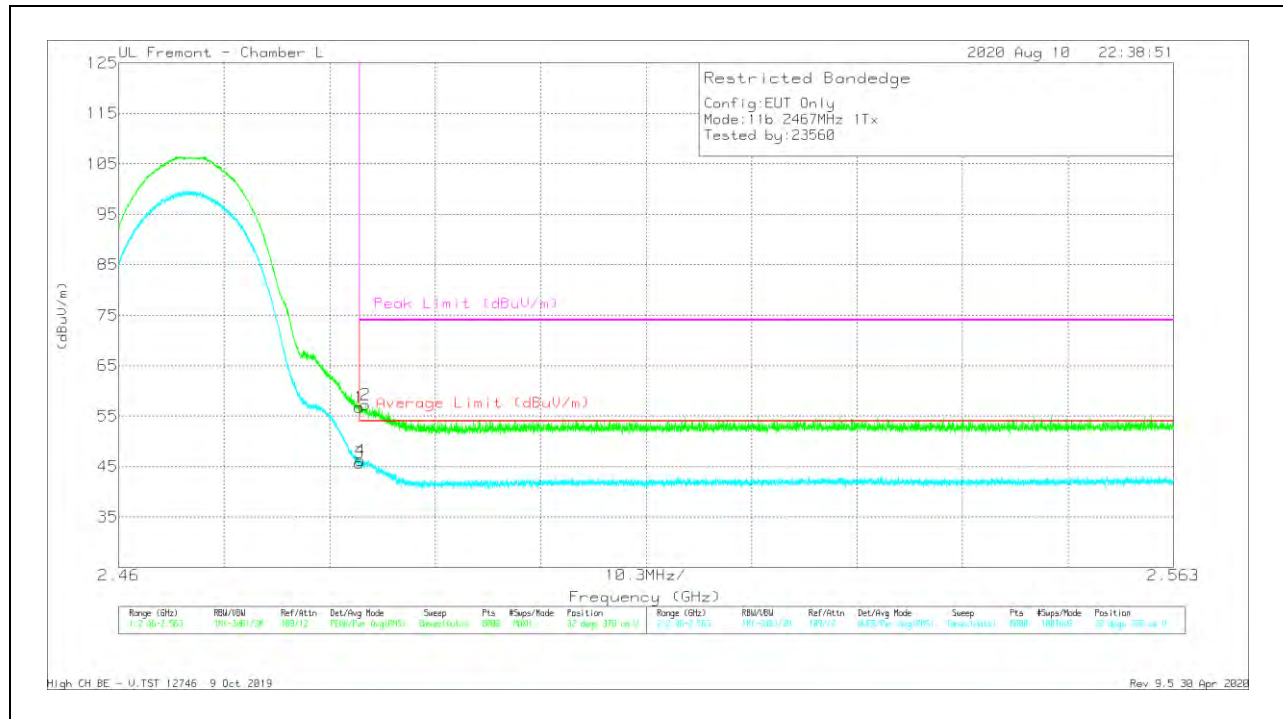
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	39.95	Pk	32.3	-12.9	59.35	-	-	74	-14.65	249	219	H
2	* 2.48376	40.42	Pk	32.3	-12.9	59.82	-	-	74	-14.18	249	219	H
3	* 2.4835	29.45	RMS	32.3	-12.9	48.85	54	-5.15	-	-	249	219	H
4	* 2.48355	30.07	RMS	32.3	-12.9	49.47	54	-4.53	-	-	249	219	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)	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	37.34	Pk	32.3	-12.9	56.74	-	-	74	-17.26	32	370	V
2	* 2.48412	37.9	Pk	32.3	-12.9	57.3	-	-	74	-16.7	32	370	V
3	* 2.4835	26.25	RMS	32.3	-12.9	45.65	54	-8.35	-	-	32	370	V
4	* 2.48363	26.78	RMS	32.3	-12.9	46.18	54	-7.82	-	-	32	370	V

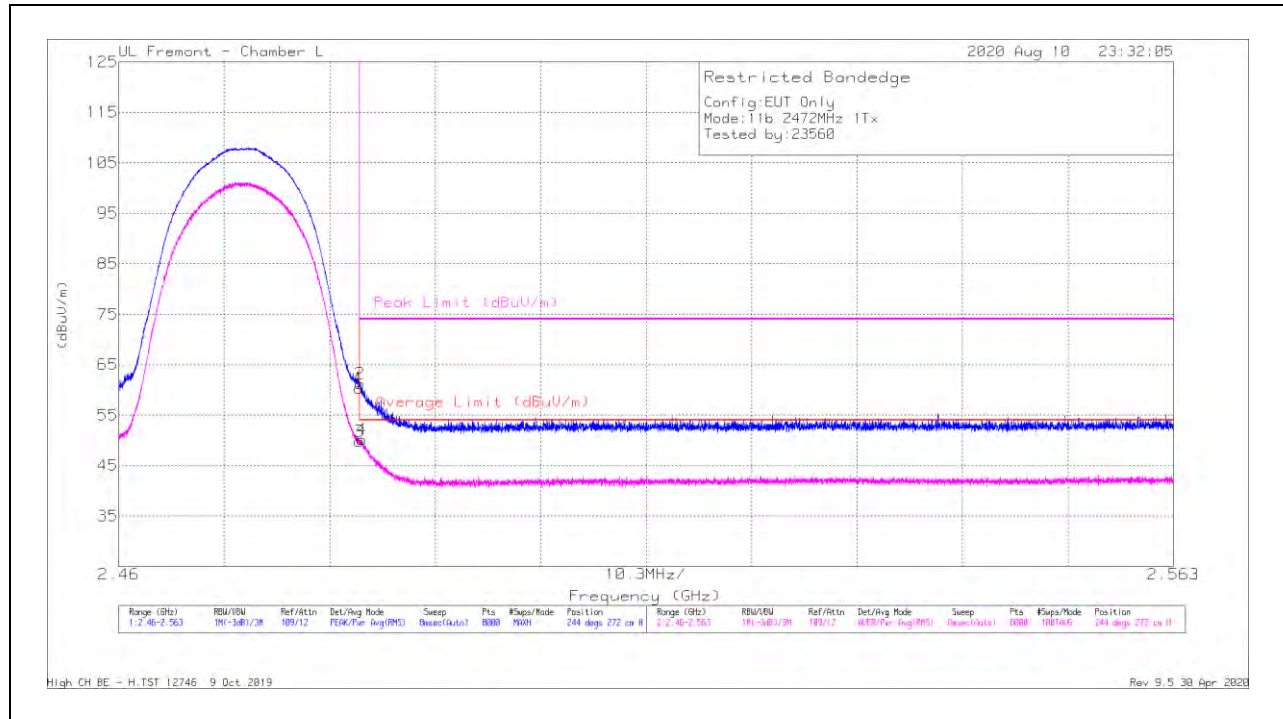
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



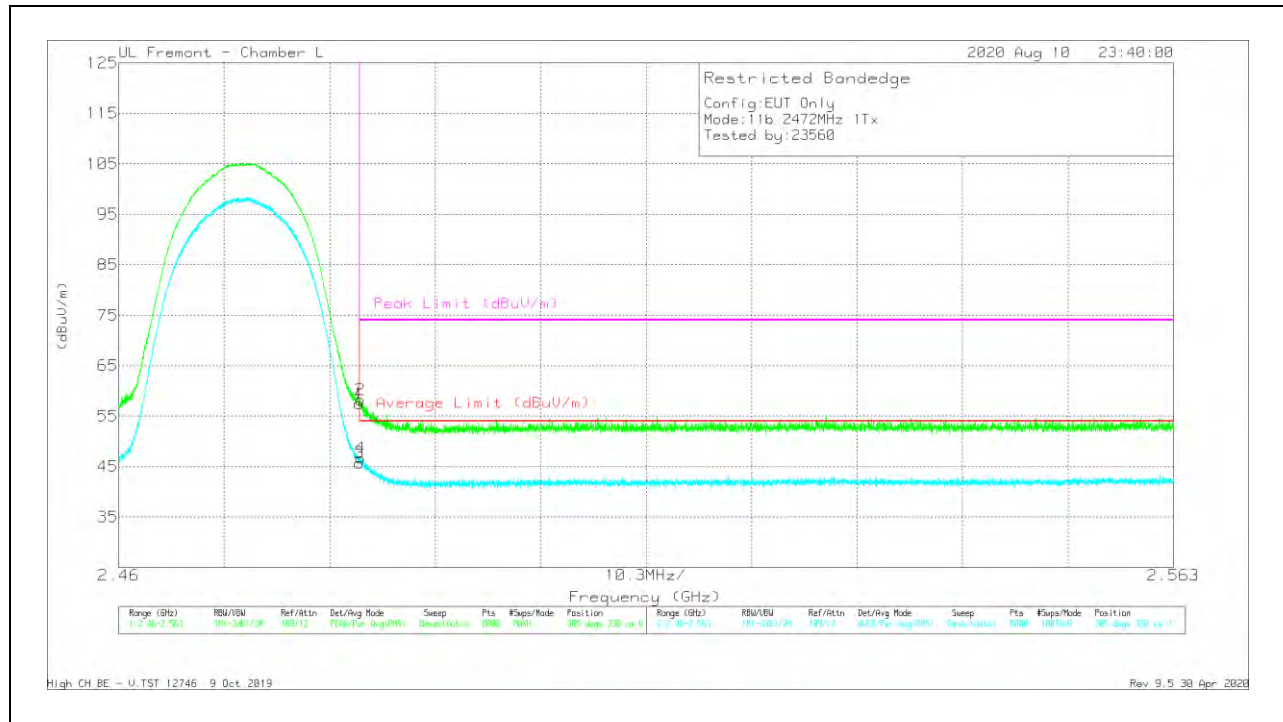
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	41	Pk	32.3	-12.9	60.4	-	-	74	-13.6	244	272	H
2	* 2.48355	41.86	Pk	32.3	-12.9	61.26	-	-	74	-12.74	244	272	H
3	* 2.4835	30.38	RMS	32.3	-12.9	49.78	54	-4.22	-	-	244	272	H
4	* 2.48372	30.78	RMS	32.3	-12.9	50.18	54	-3.82	-	-	244	272	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)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	38.08	Pk	32.3	-12.9	57.48	-	-	74	-16.52	305	330	V
2	* 2.4836	38.8	Pk	32.3	-12.9	58.2	-	-	74	-15.8	305	330	V
3	* 2.4835	26.32	RMS	32.3	-12.9	45.72	54	-8.28	-	-	305	330	V
4	* 2.48362	27.27	RMS	32.3	-12.9	46.67	54	-7.33	-	-	305	330	V

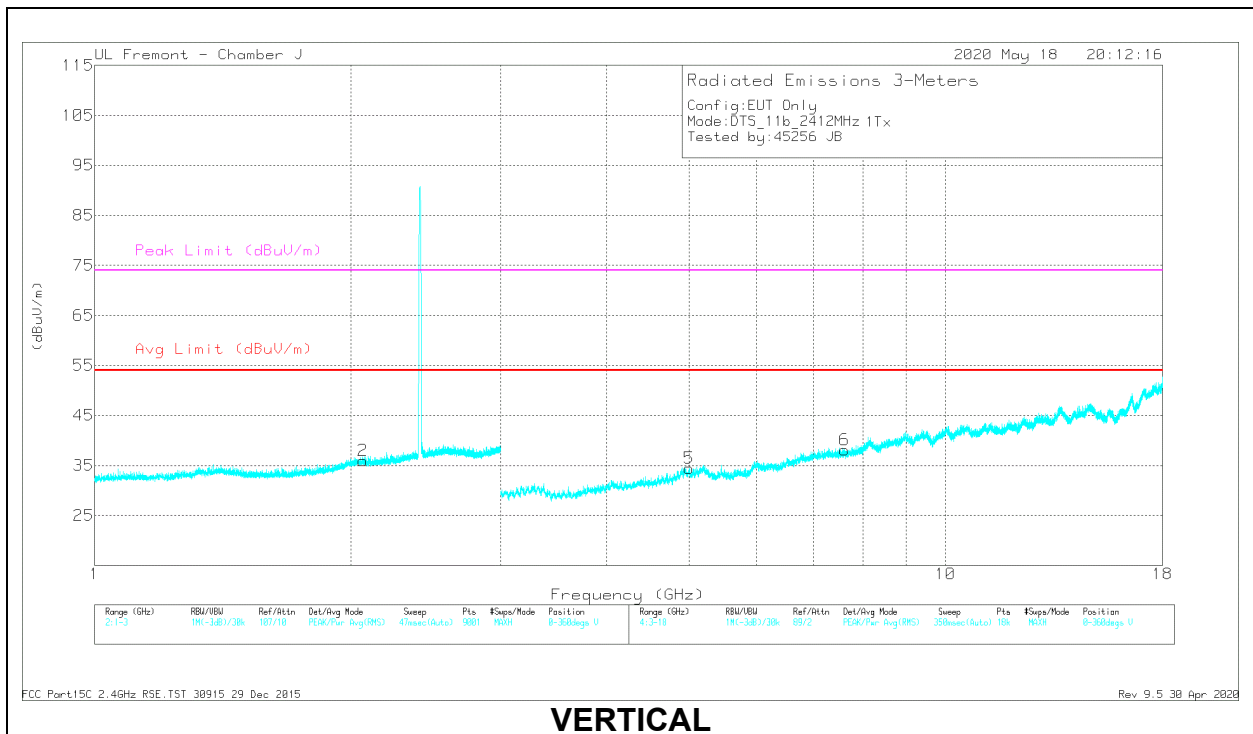
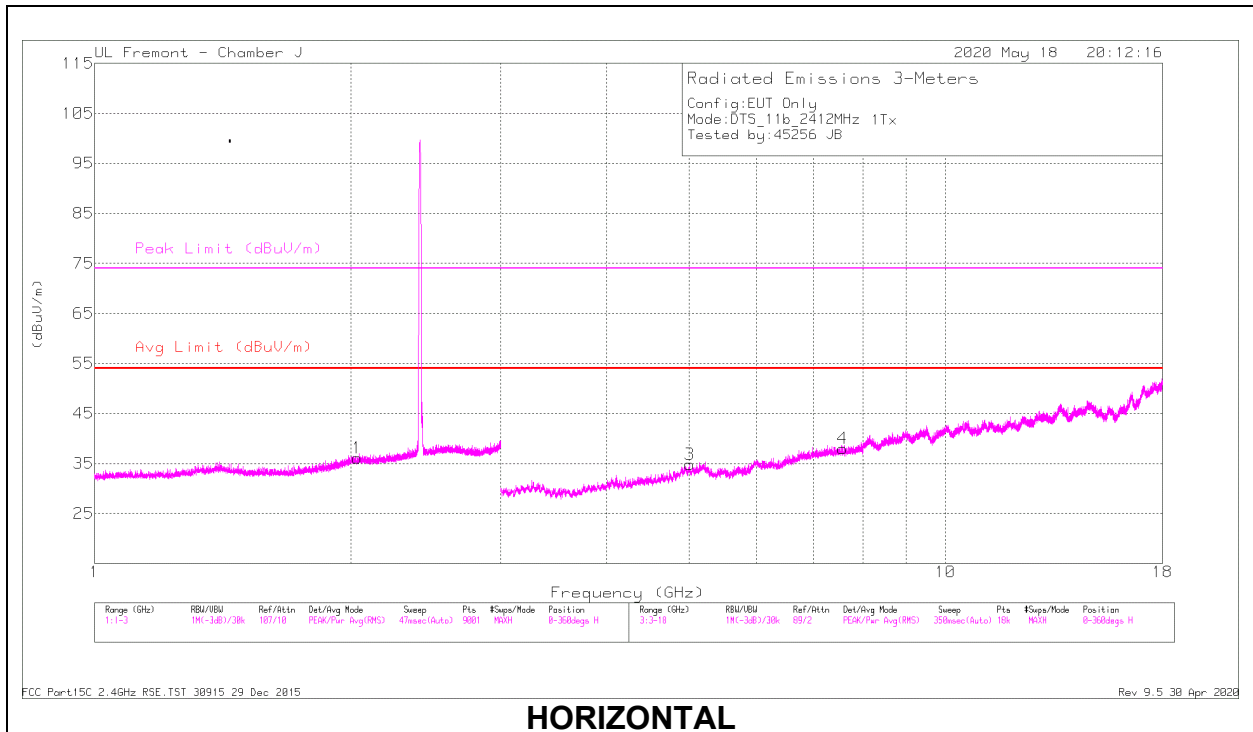
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS

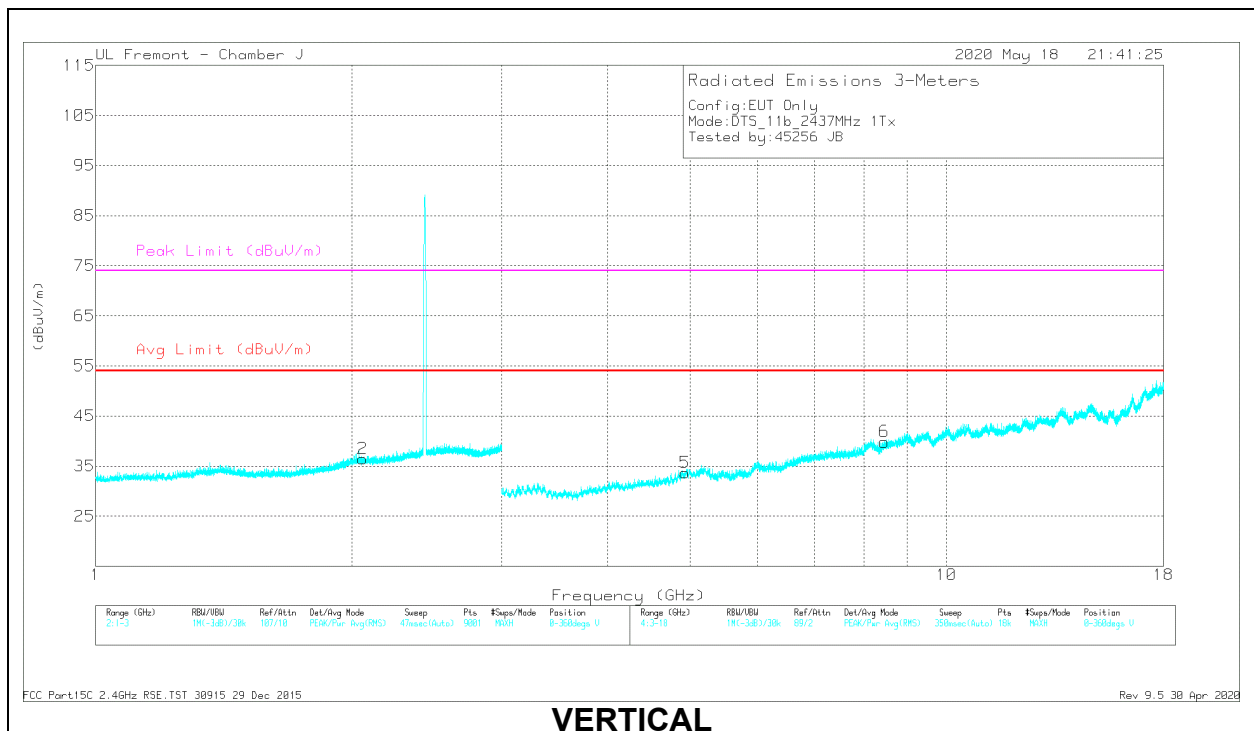
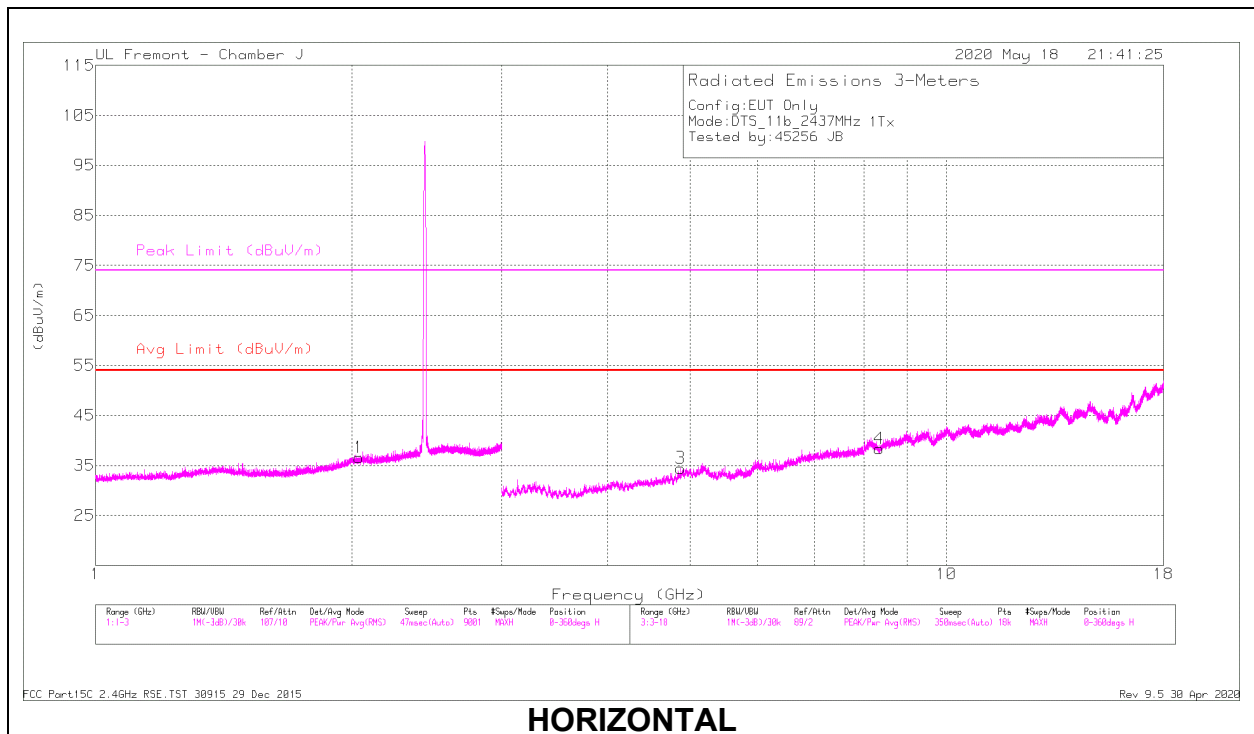


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.0345	43.31	PK2	27.9	-25.6	0	45.61	-	-	-	-	360	149	H
	2.03497	32.98	MAv1	27.9	-25.6	0	35.28	-	-	-	-	360	149	H
2	2.06698	44.2	PK2	27.9	-25.6	0	46.5	-	-	-	-	270	165	V
	2.0662	32.71	MAv1	27.9	-25.6	0	35.01	-	-	-	-	270	165	V
3	5.00552	37.36	PK2	34	-29.9	0	41.46	-	-	74	-32.54	180	289	H
	5.00768	27.21	MAv1	34	-30	0	31.21	54	-22.79	-	-	180	289	H
4	7.57346	35.92	PK2	37.1	-27.1	0	45.92	-	-	74	-28.08	271	371	H
	7.57348	25.36	MAv1	37.1	-27.1	0	35.36	54	-18.64	-	-	271	371	H
5	5.00018	38.28	PK2	34	-29.9	0	42.38	-	-	74	-31.62	49	163	V
	4.99945	28.09	MAv1	34	-29.9	0	32.19	54	-21.81	-	-	49	163	V
6	7.61567	36.69	PK2	37.1	-27	0	46.79	-	-	74	-27.21	358	155	V
	7.61378	25.83	MAv1	37.1	-27	0	35.93	54	-18.07	-	-	358	155	V

PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS

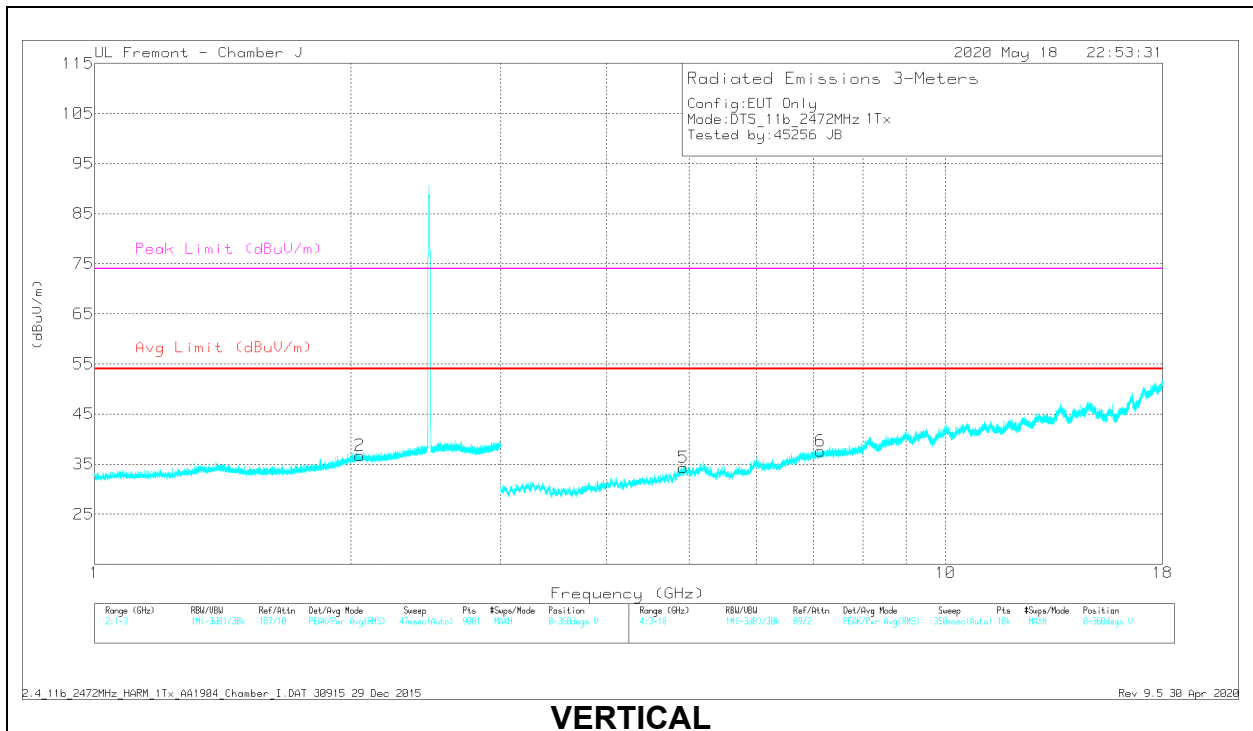
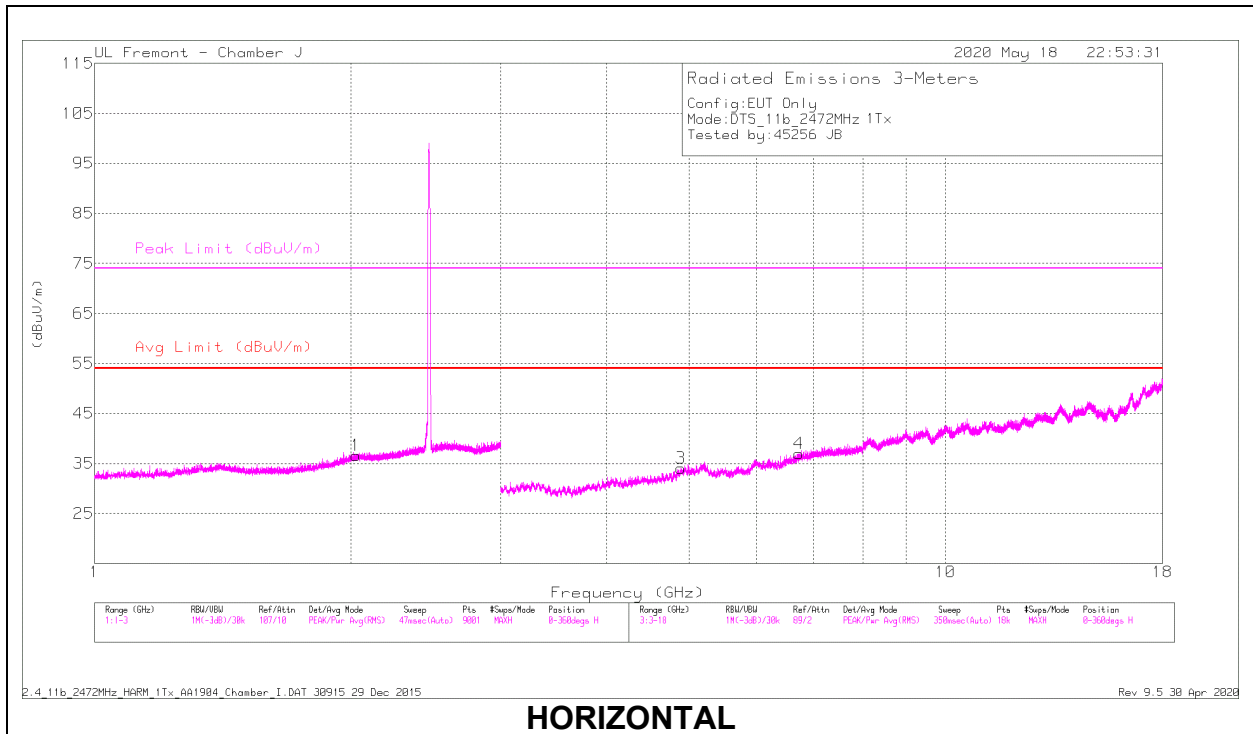


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.03773	43.55	PK2	27.9	-25.7	0	45.75	-	-	-	-	320	190	H
	2.04017	33.08	MAv1	27.9	-25.6	0	35.38	-	-	-	-	320	190	H
2	2.0621	43.75	PK2	27.9	-25.6	0	46.05	-	-	-	-	287	101	V
	2.05822	33.06	MAv1	27.9	-25.6	0	35.36	-	-	-	-	287	101	V
3	4.87536	39.69	PK2	33.6	-31	0	42.29	-	-	74	-31.71	106	280	H
	4.87302	28.47	MAv1	33.5	-31.1	0	30.87	54	-23.13	-	-	106	280	H
4	8.3358	34.54	PK2	37.9	-26.1	0	46.34	-	-	74	-27.66	105	374	H
	8.3398	25.13	MAv1	37.9	-26	0	37.03	54	-16.97	-	-	105	374	H
5	4.92769	38.34	PK2	33.7	-30.5	0	41.54	-	-	74	-32.46	354	168	V
	4.92928	28.2	MAv1	33.7	-30.4	0	31.5	54	-22.5	-	-	354	168	V
6	8.45036	34.83	PK2	37.8	-24.9	0	47.73	-	-	74	-26.27	174	250	V
	8.44841	24.69	MAv1	37.9	-24.9	0	37.69	54	-16.31	-	-	174	250	V

PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 13 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.02939	43.24	PK2	27.9	-25.7	0	45.44	-	-	-	-	220	167	H
	2.02846	33.24	MAv1	27.9	-25.7	0	35.44	-	-	-	-	220	167	H
2	2.05103	43.9	PK2	27.9	-25.6	0	46.2	-	-	-	-	185	124	V
	2.05034	33.04	MAv1	27.9	-25.6	0	35.34	-	-	-	-	185	124	V
3	4.89197	39.48	PK2	33.6	-30.8	0	42.28	-	-	74	-31.72	261	232	H
	4.89119	28.91	MAv1	33.6	-30.8	0	31.71	54	-22.29	-	-	261	232	H
4	6.73435	36.59	PK2	36.2	-27.3	0	45.49	-	-	-	-	201	174	H
	6.73074	25.96	MAv1	36.2	-27.3	0	34.86	-	-	-	-	201	174	H
5	4.92512	38.82	PK2	33.7	-30.5	0	42.02	-	-	74	-31.98	96	302	V
	4.92324	28.44	MAv1	33.7	-30.5	0	31.64	54	-22.36	-	-	96	302	V
6	7.13558	36.7	PK2	36.8	-27	0	46.5	-	-	-	-	360	149	V
	7.13591	25.85	MAv1	36.8	-27	0	35.65	-	-	-	-	360	149	V

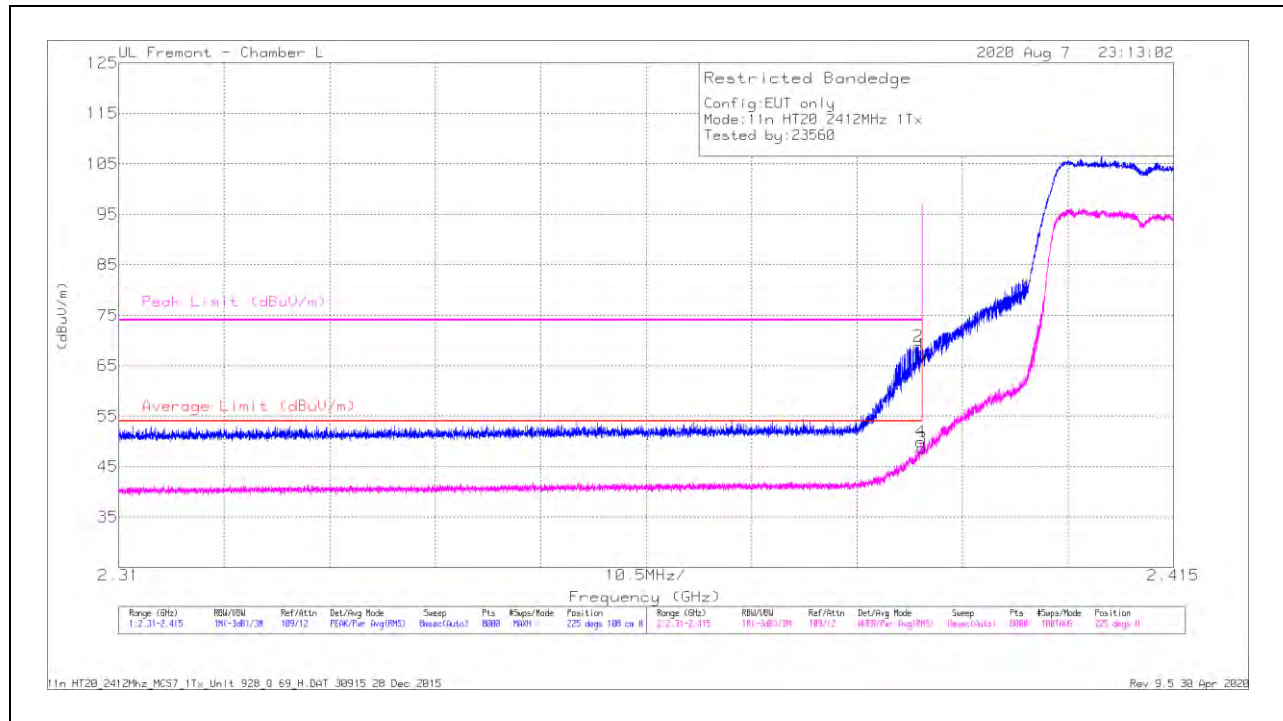
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

ANT 4

BANDEDGE (LOW CHANNEL, CH 1)

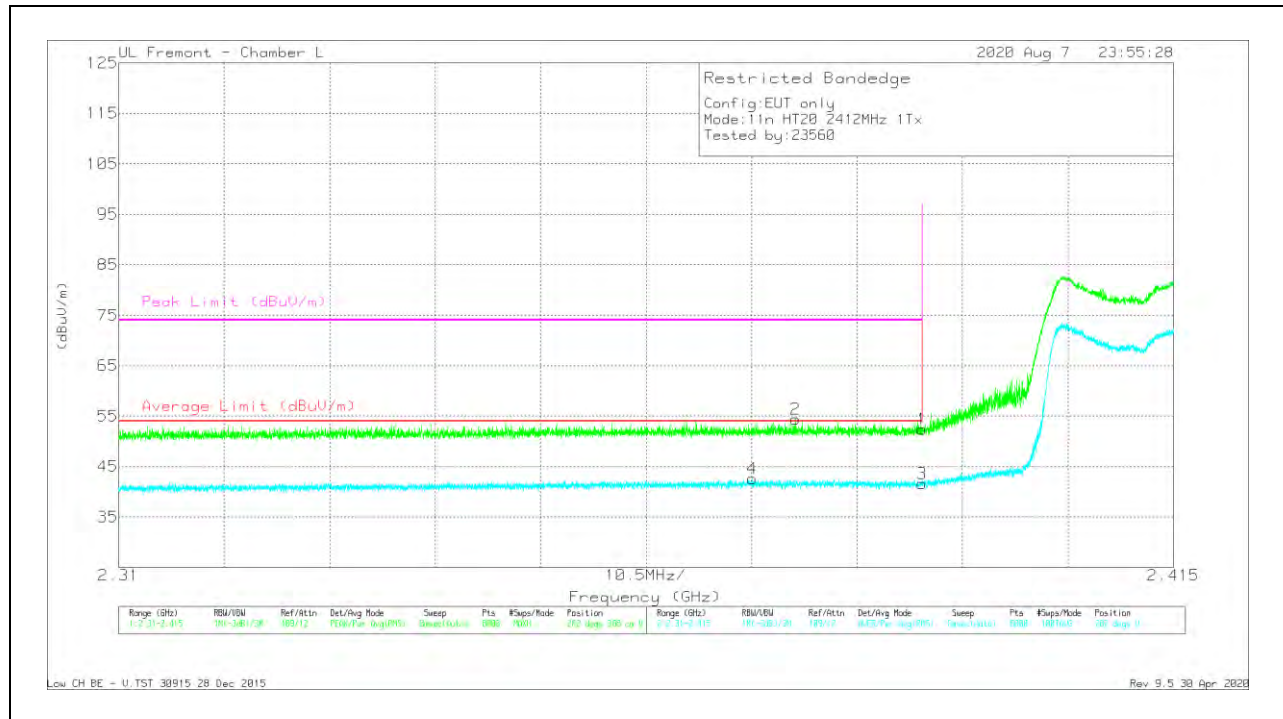
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cb/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	* 2.39	48.35	Pk	31.9	-13.1	0	67.15	-	-	74	-6.85	225	108	H
2	* 2.38958	50.05	Pk	31.9	-13.1	0	68.85	-	-	74	-5.15	225	108	H
3	* 2.39	29.51	RMS	31.9	-13.1	.36	48.67	54	-5.33	-	-	225	108	H
4	* 2.38988	30.71	RMS	31.9	-13.1	.36	49.87	54	-4.13	-	-	225	108	H

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

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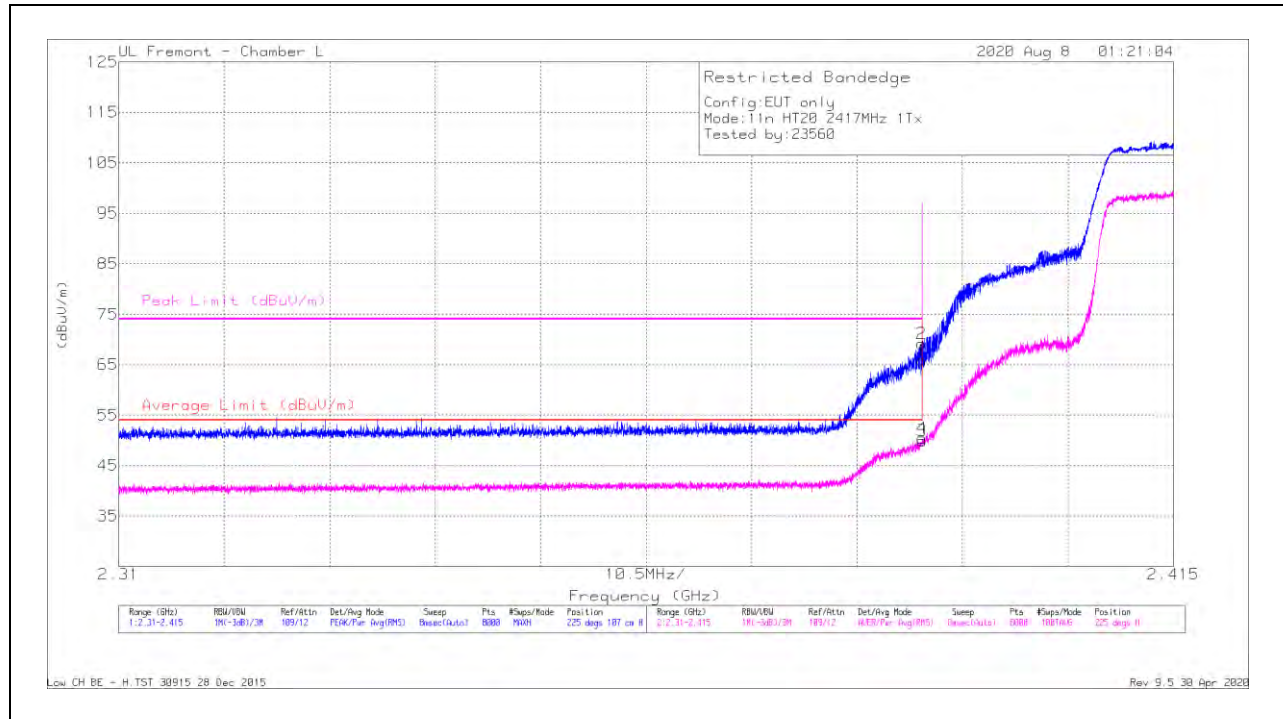


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	33.57	Pk	31.9	-13.1	0	52.37	-	-	74	-21.63	282	308	V
2	* 2.37735	35.61	Pk	31.8	-13	0	54.41	-	-	74	-19.59	282	308	V
3	* 2.39	22.49	RMS	31.9	-13.1	.36	41.65	54	-12.35	-	-	282	308	V
4	* 2.37308	23.38	RMS	31.8	-13	.36	42.54	54	-11.46	-	-	282	308	V

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

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



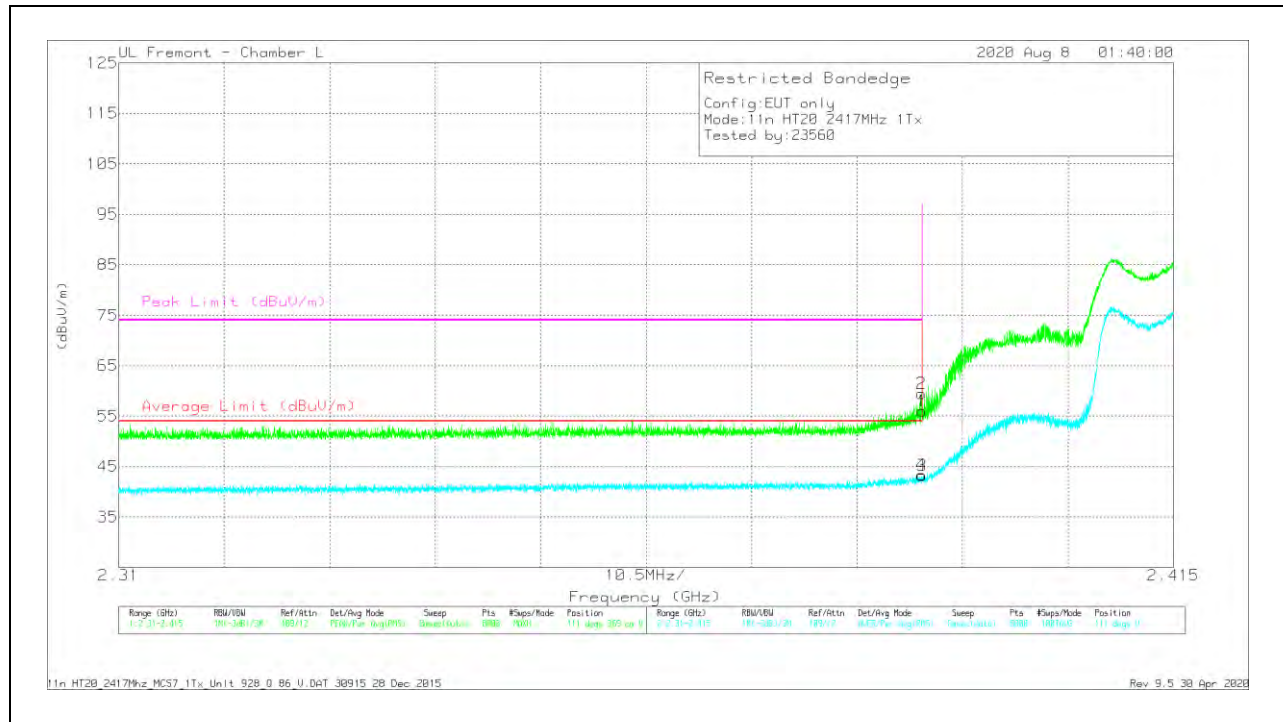
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	47.01	Pk	31.9	-13.1	0	65.81	-	-	74	-8.19	225	107	H
2	* 2.38989	50.34	Pk	31.9	-13.1	0	69.14	-	-	74	-4.86	225	107	H
3	* 2.39	30.73	RMS	31.9	-13.1	-36	49.89	54	-4.11	-	-	225	107	H
4	* 2.38997	31.22	RMS	31.9	-13.1	-36	50.38	54	-3.62	-	-	225	107	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT

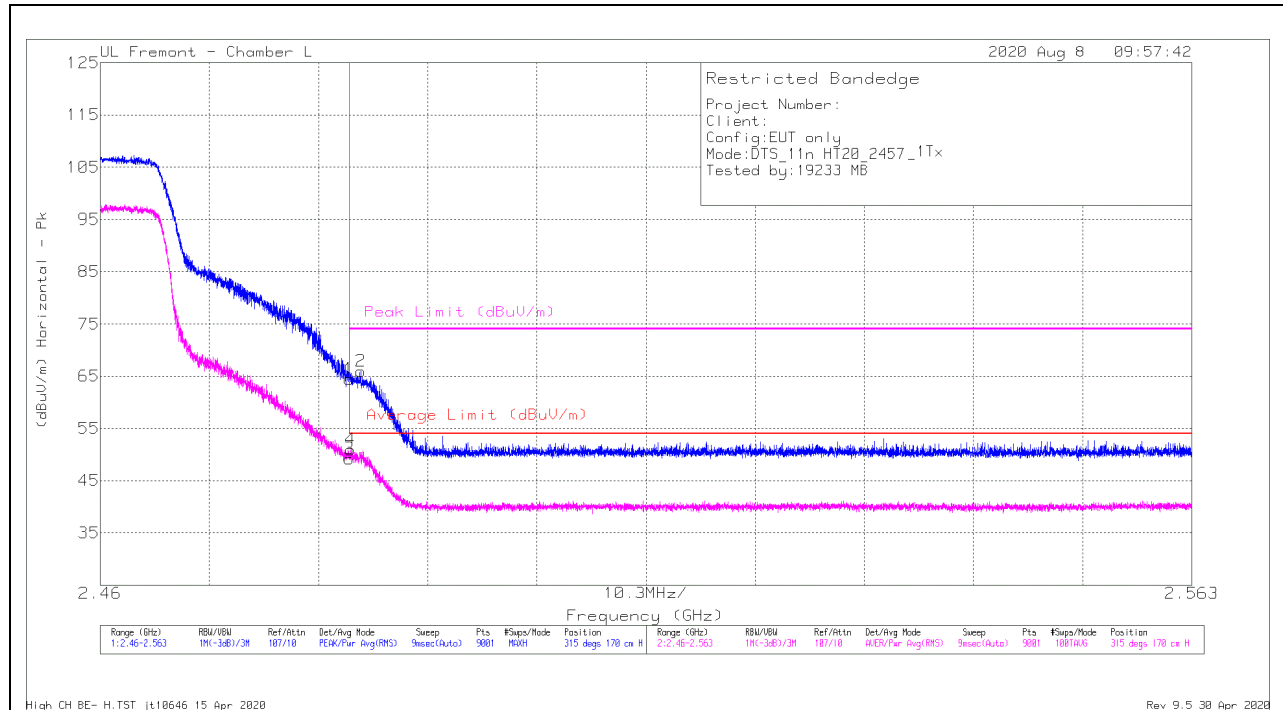


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.25	Pk	31.9	-13.1	0	56.05	-	-	74	-17.95	111	369	V
2	* 2.3899	40.67	Pk	31.9	-13.1	0	59.47	-	-	74	-14.53	111	369	V
3	* 2.39	24.04	RMS	31.9	-13.1	.36	43.2	54	-10.8	-	-	111	369	V
4	* 2.38993	24.21	RMS	31.9	-13.1	.36	43.37	54	-10.63	-	-	111	369	V

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

BANDEDGE (HIGH CHANNEL, CH 10)

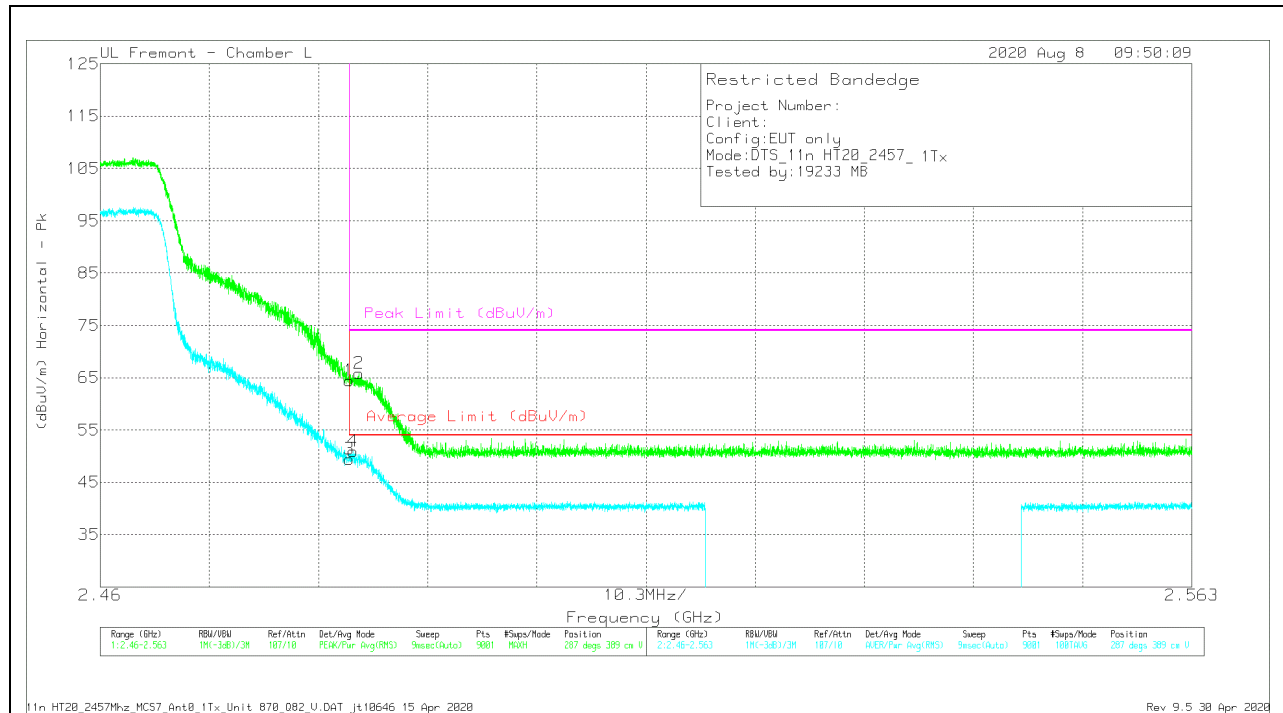
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtri/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	52.99	Pk	32.3	-20.9	0	64.39	-	-	74	-9.61	315	170	H
2	* 2.48459	54.54	Pk	32.3	-20.9	0	65.94	-	-	74	-8.06	315	170	H
3	* 2.48351	37.47	RMS	32.3	-20.9	.36	49.23	54	-4.77	-	-	315	170	H
4	* 2.48361	39.1	RMS	32.3	-20.9	.36	50.86	54	-3.14	-	-	315	170	H

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

VERTICAL RESULT

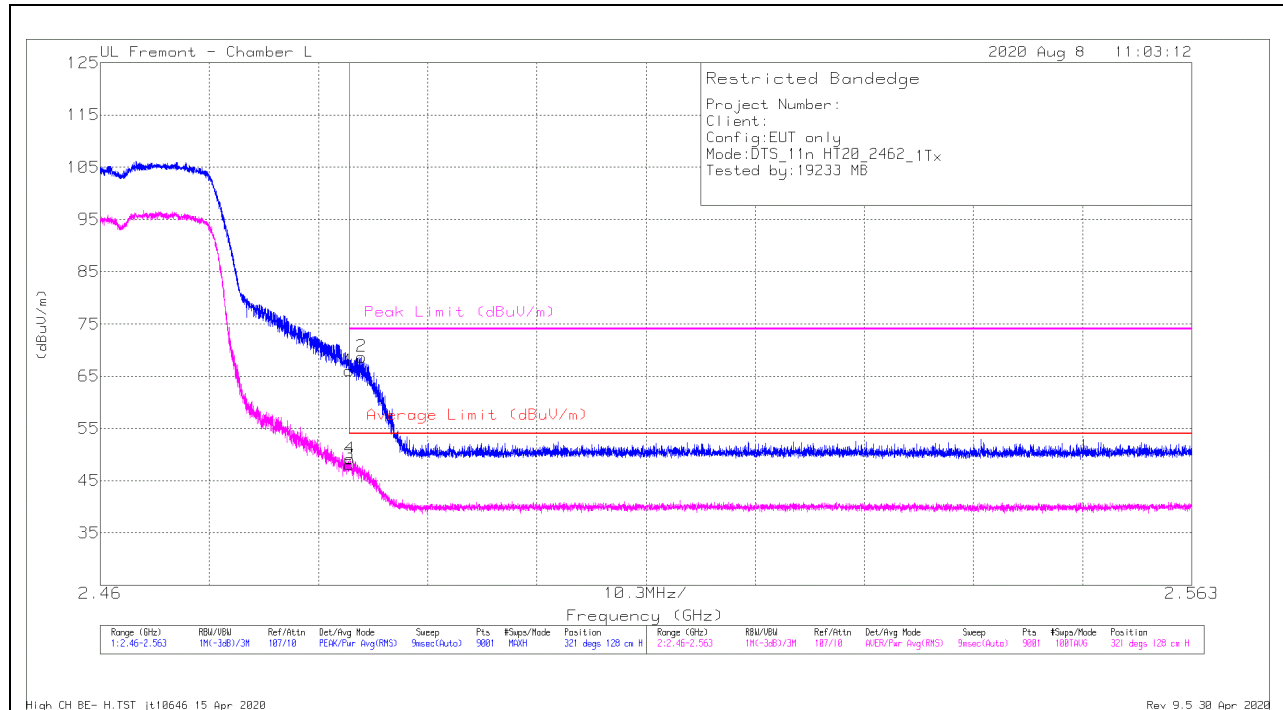


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cb/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	53.09	Pk	32.3	-20.9	0	64.49	-	-	74	-9.51	287	389	V
2	* 2.48442	54.38	Pk	32.3	-20.9	0	65.78	-	-	74	-8.22	287	389	V
3	* 2.48351	37.64	RMS	32.3	-20.9	.36	49.4	54	-4.6	-	-	287	389	V
4	* 2.48385	39.17	RMS	32.3	-20.9	.36	50.93	54	-3.07	-	-	287	389	V

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

BANDEDGE (HIGH CHANNEL, CH 11)

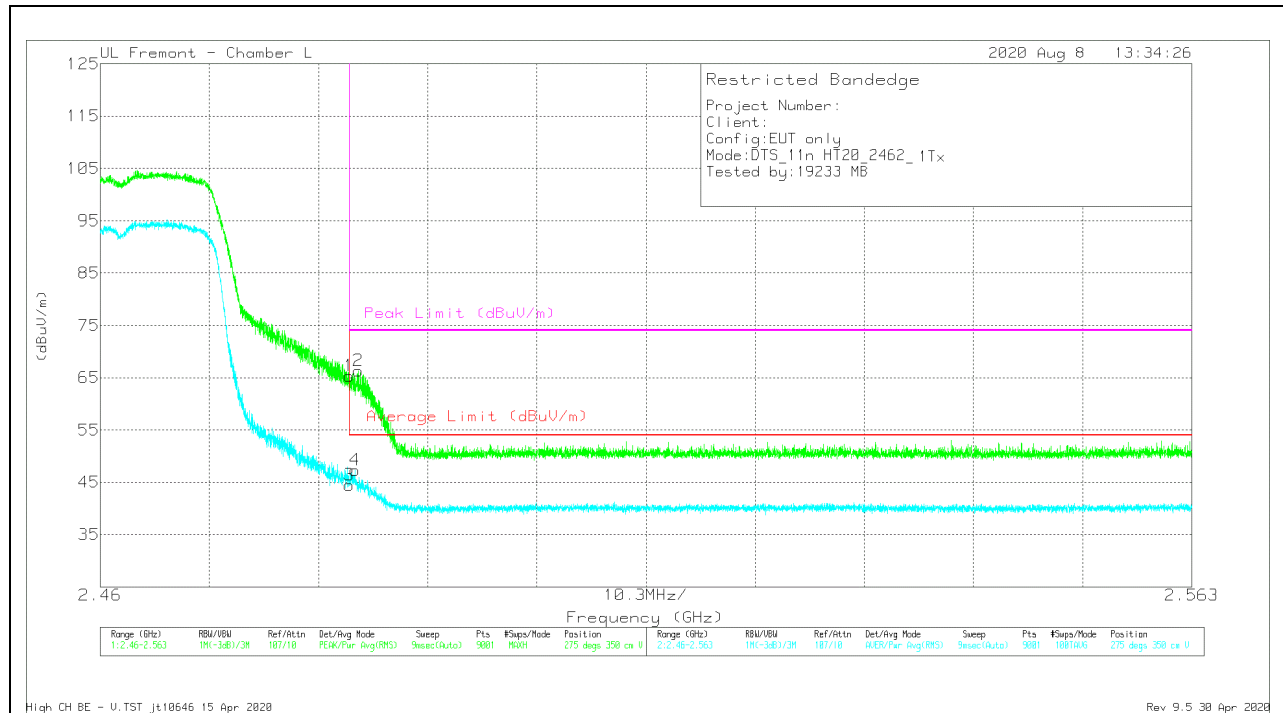
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtri/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	54.69	Pk	32.3	-20.9	0	66.09	-	-	74	-7.91	321	128	H
2	* 2.48468	57.33	Pk	32.3	-20.9	0	68.73	-	-	74	-5.27	321	128	H
3	* 2.48351	36.35	RMS	32.3	-20.9	.36	48.11	54	-5.89	-	-	321	128	H
4	* 2.48357	37.41	RMS	32.3	-20.9	.36	49.17	54	-4.83	-	-	321	128	H

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

VERTICAL RESULT

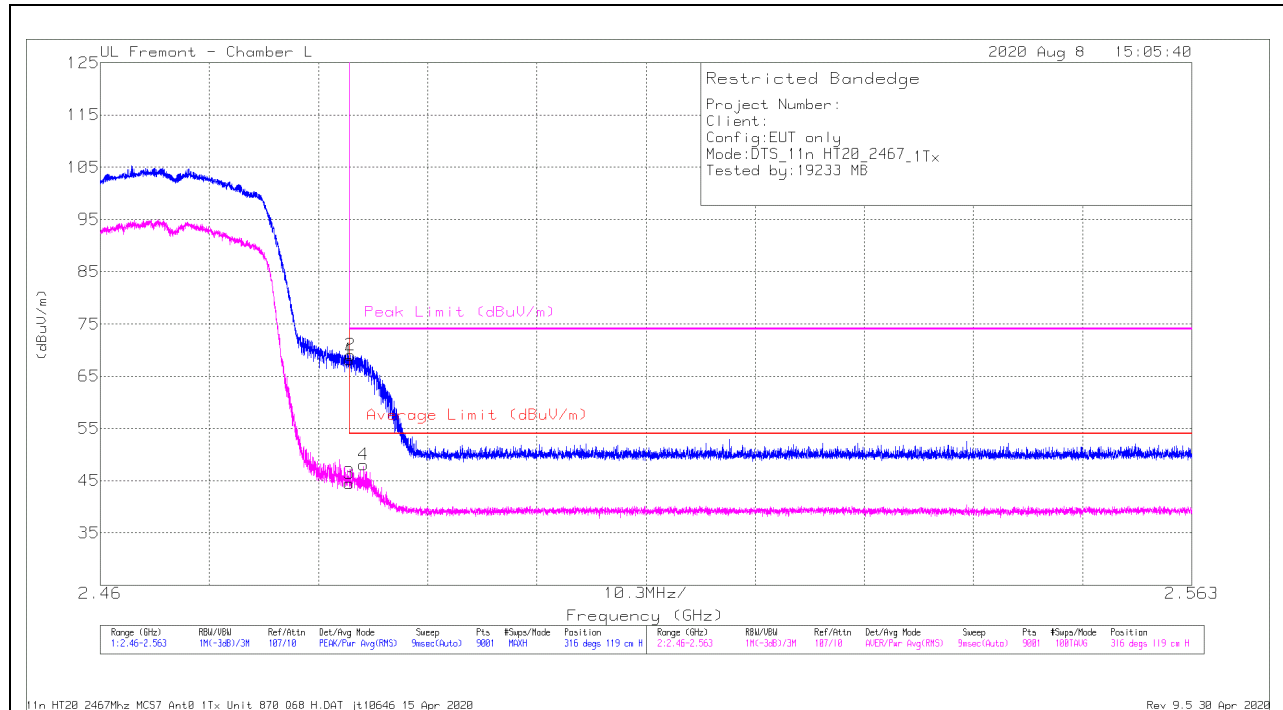


Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	53.95	Pk	32.3	-20.9	0	65.35	-	-	74	-8.65	275	350	V
2	* 2.48434	54.86	Pk	32.3	-20.9	0	66.26	-	-	74	-7.74	275	350	V
3	* 2.48351	32.69	RMS	32.3	-20.9	.36	44.45	54	-9.55	-	-	275	350	V
4	* 2.48403	35.5	RMS	32.3	-20.9	.36	47.26	54	-6.74	-	-	275	350	V

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

BANDEDGE (HIGH CHANNEL, CH 12)

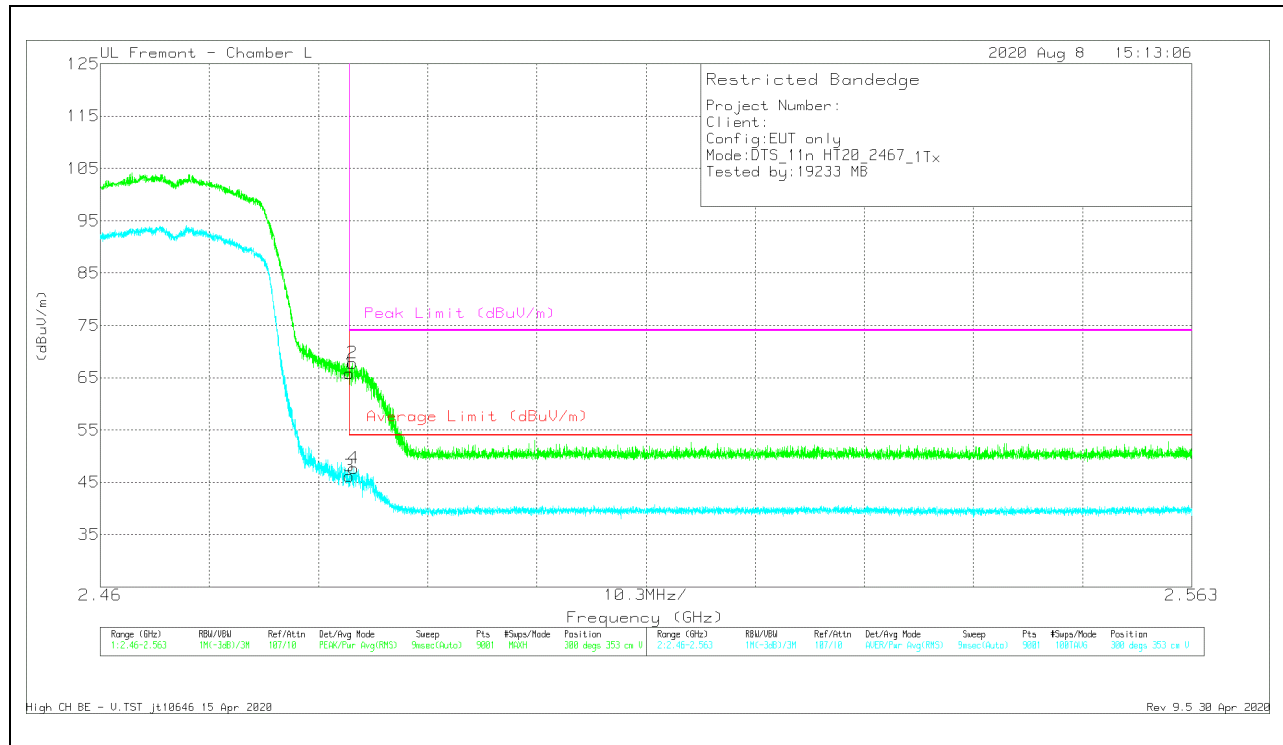
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtri/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	56.74	Pk	32.3	-20.9	0	68.14	-	-	74	-5.86	316	119	H
2	* 2.4836	57.69	Pk	32.3	-20.9	0	69.09	-	-	74	-4.91	316	119	H
3	* 2.48351	32.72	RMS	32.3	-20.9	.36	44.48	54	-9.52	-	-	316	119	H
4	* 2.48483	36.24	RMS	32.3	-20.9	.36	48	54	-6	-	-	316	119	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	54.46	Pk	32.3	-20.9	0	65.86	-	-	74	-8.14	300	353	V
2	* 2.48382	56.38	Pk	32.3	-20.9	0	67.78	-	-	74	-6.22	300	353	V
3	* 2.48351	34.8	RMS	32.3	-20.9	.36	46.56	54	-7.44	-	-	300	353	V
4	* 2.48392	36.27	RMS	32.3	-20.9	.36	48.03	54	-5.97	-	-	300	353	V

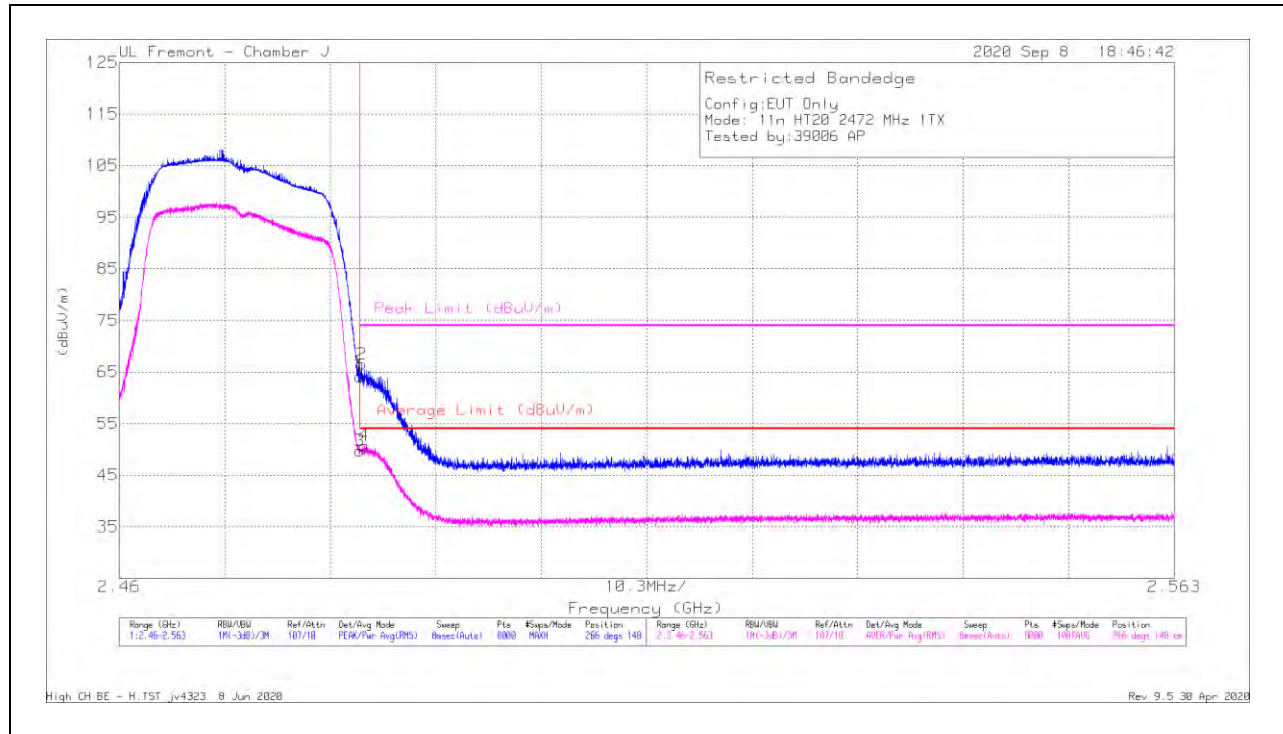
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Filt/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	* 2.4835	48.82	Pk	29.5	-14.2	0	64.12	-	-	74	-9.88	266	148	H
2	* 2.48364	51.21	Pk	29.5	-14.2	0	66.51	-	-	74	-7.49	266	148	H
3	* 2.4835	34.43	RMS	29.5	-14.2	.36	50.09	54	-3.91	-	-	266	148	H
4	* 2.48394	35.43	RMS	29.5	-14.2	.36	51.09	54	-2.91	-	-	266	148	H

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

Pk - Peak detector

RMS - RMS detection

UL Fremont - Chamber J

2020 Sep 8 18:34:50

Restricted Bandedge
Config: EUT Only
Mode: 11n HT20 2472 MHz 1TX
Tested by: 39006 AP

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

10.3MHz/

2.46 2.563

Frequency (GHz)

Range (GHz)	RBW/MBW	Ref/Attn	Det/Avg Mode	Sweep	Pls	#Seps/Mode	Position	Range (GHz)	RBW/MBW	Ref/Attn	Det/Avg Mode	Sweep	Pls	#Seps/Mode	Position
1.75-4.046 30.5	100-3000/20	100/10	1000/Var Avg (RMS)	Recess/Normal	10000	10000	2.33 steps 3/4	1.75-4.046 30.5	100-3000/30	100/10	1000/Var Avg (RMS)	Recess/Normal	10000	10000	2.33 steps 3/4

High CH BE - V, TST_jt10646 28 May 2020

Rev 9.5 38 Apr 2020

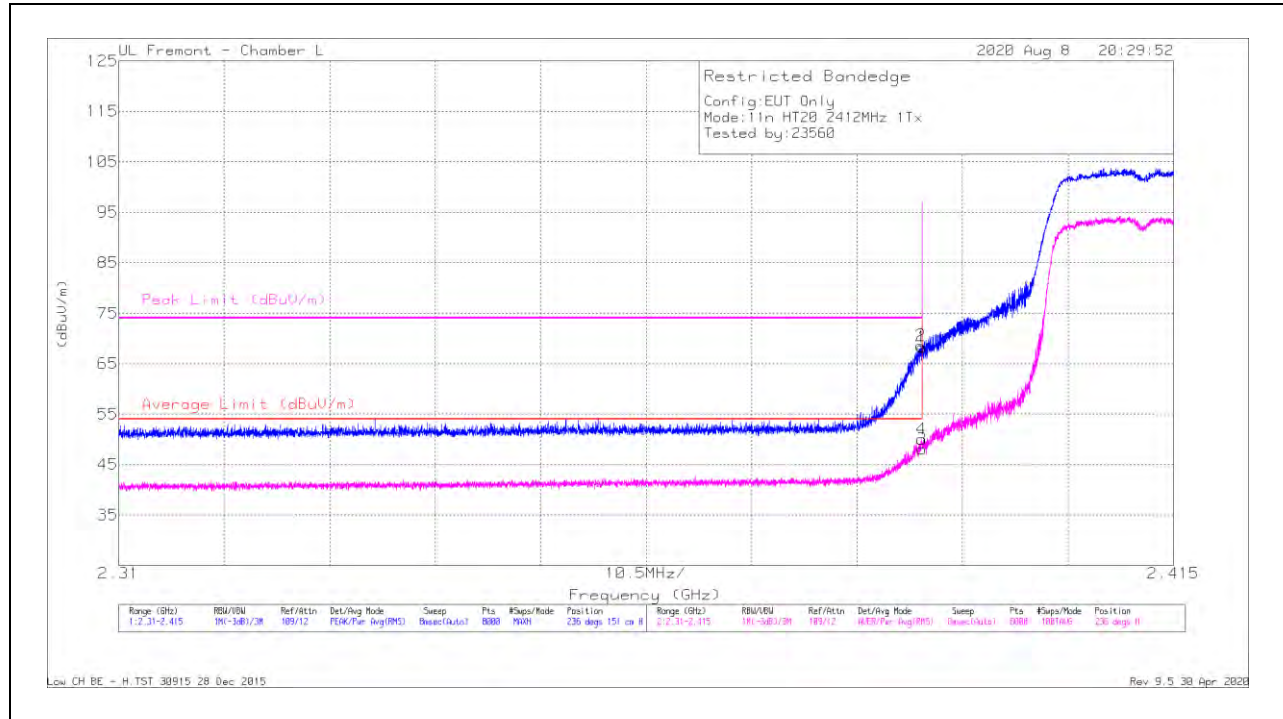
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1963 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	48.78	PK	29.5	-14.2	0	64.08	-	-	74	-9.92	233	364	V
2	* 2.48359	50.5	PK	29.5	-14.2	0	65.8	-	-	74	-8.2	233	364	V
3	* 2.4835	33.88	RMS	29.5	-14.2	.36	49.54	54	-4.46	-	-	233	364	V
4	* 2.48351	35.1	RMS	29.5	-14.2	.36	50.76	54	-3.24	-	-	233	364	V

Pk - Peak detector
RMS - RMS detection

ANT 3

BANDEDGE (LOW CHANNEL, CH 1)

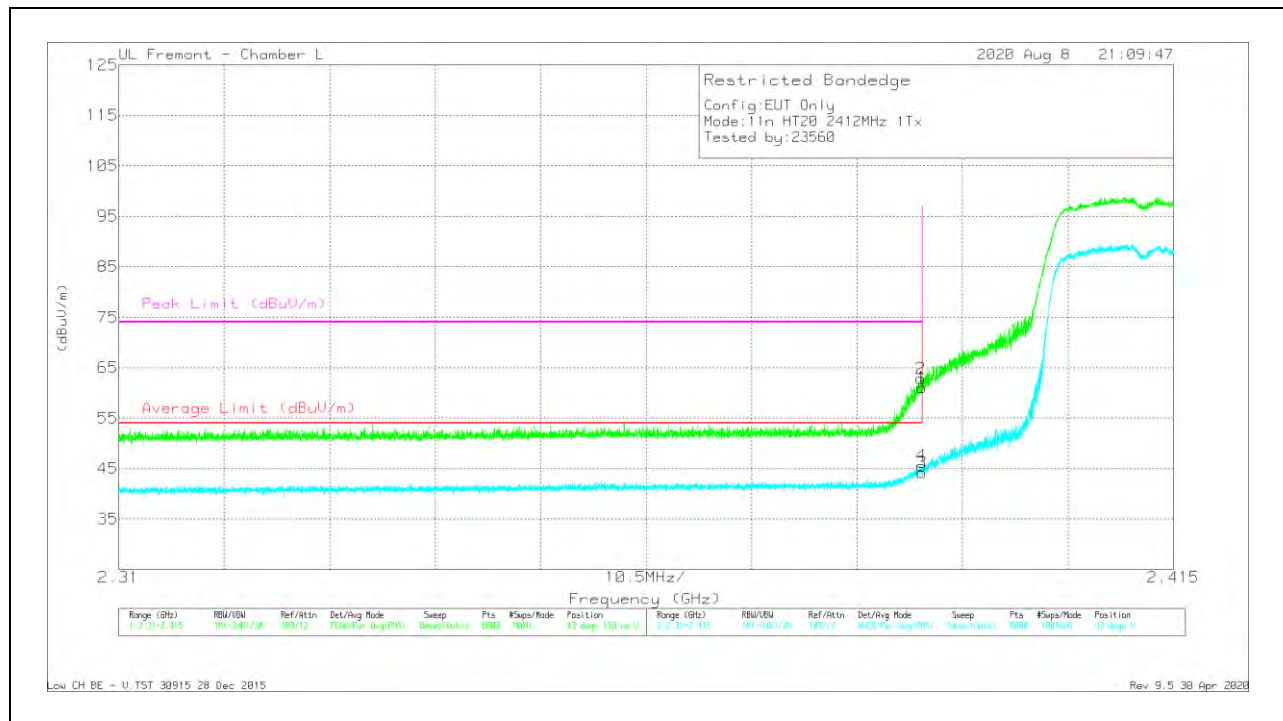
HORIZONTAL RESULT



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	* 2.39	49.48	Pk	31.9	-13.1	0	68.28	-	-	74	-5.72	236	151	H
2	* 2.38984	49.8	Pk	31.9	-13.1	0	68.6	-	-	74	-5.4	236	151	H
3	* 2.39	28.84	RMS	31.9	-13.1	.36	48.00	54	-6.00	-	-	236	151	H
4	* 2.38994	30.85	RMS	31.9	-13.1	.36	50.01	54	-3.99	-	-	236	151	H

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

VERTICAL RESULT

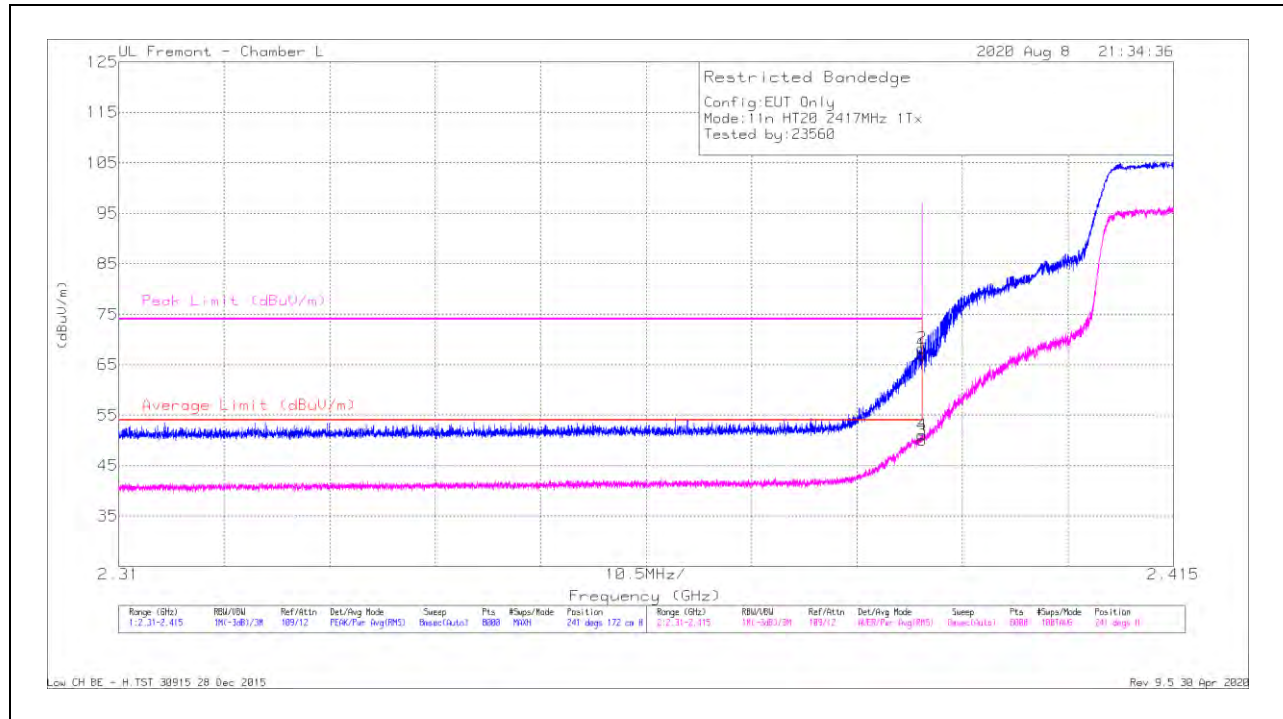


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.24	Pk	31.9	-13.1	0	61.04	-	-	74	-12.96	43	138	V
2	* 2.38986	44.04	Pk	31.9	-13.1	0	62.84	-	-	74	-11.16	43	138	V
3	* 2.39	25.08	RMS	31.9	-13.1	.36	44.24	54	-9.76	-	-	43	138	V
4	* 2.38993	26.45	RMS	31.9	-13.1	.36	45.61	54	-8.39	-	-	43	138	V

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

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



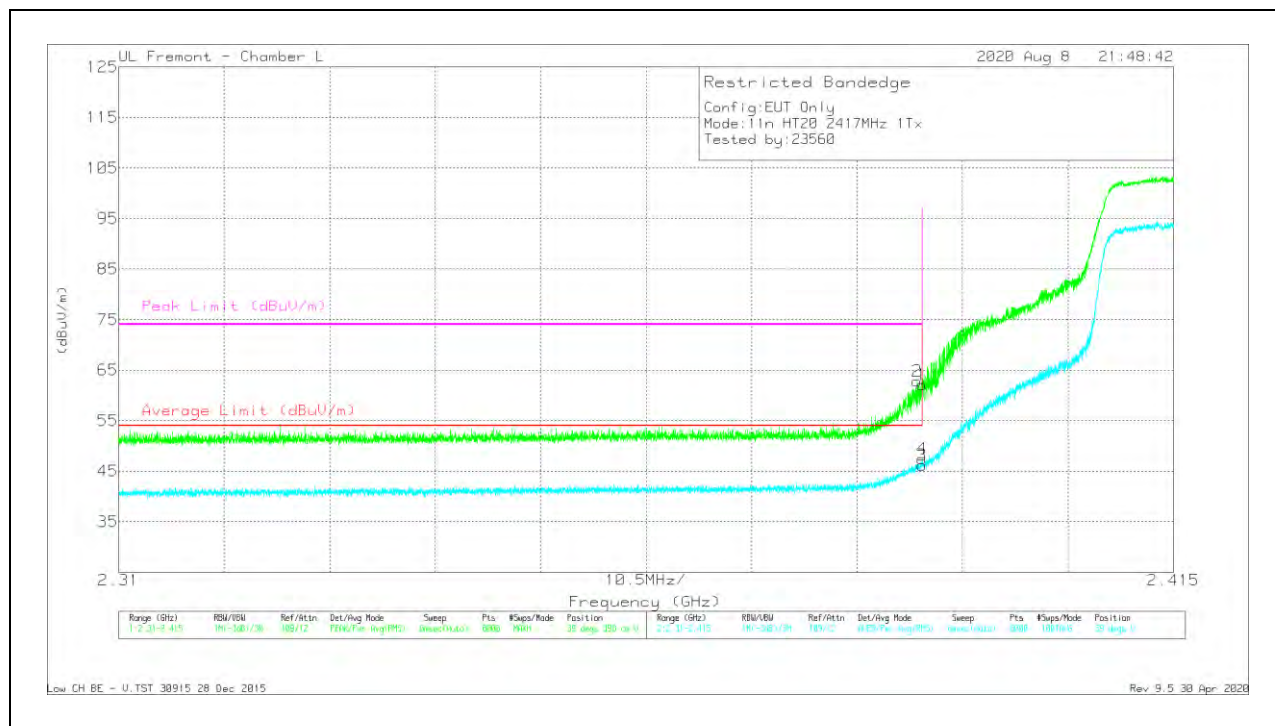
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cb/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.16	Pk	31.9	-13.1	0	66.96	-	-	74	-7.04	241	172	H
2	* 2.38998	49.54	Pk	31.9	-13.1	0	68.34	-	-	74	-5.66	241	172	H
3	* 2.39	30.83	RMS	31.9	-13.1	.36	49.99	54	-4.01	-	-	241	172	H
4	* 2.38996	31.89	RMS	31.9	-13.1	.36	51.05	54	-2.95	-	-	241	172	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT

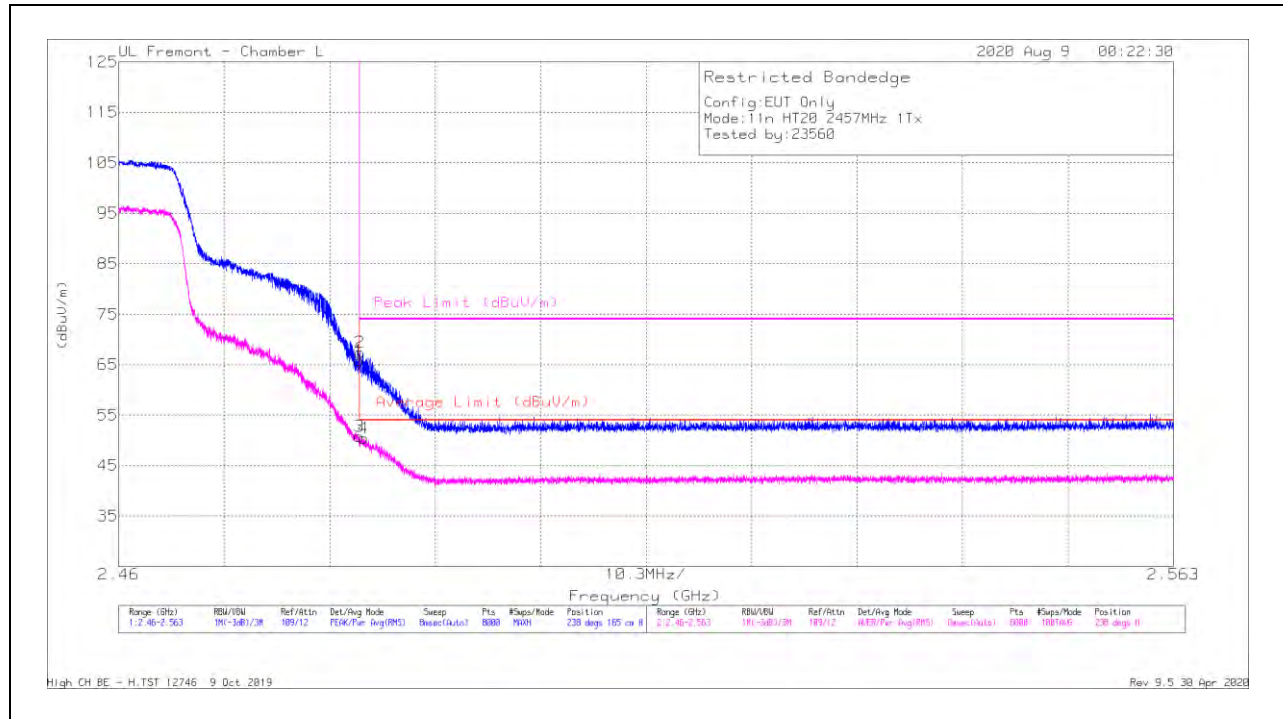


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.34	Pk	31.9	-13.1	0	62.14	-	-	74	-11.86	39	398	V
2	* 2.3895	44.05	Pk	31.9	-13.1	0	62.85	-	-	74	-11.15	39	398	V
3	* 2.39	27.02	RMS	31.9	-13.1	.36	46.18	54	-7.82	-	-	39	398	V
4	* 2.38998	28.21	RMS	31.9	-13.1	.36	47.37	54	-6.63	-	-	39	398	V

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

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



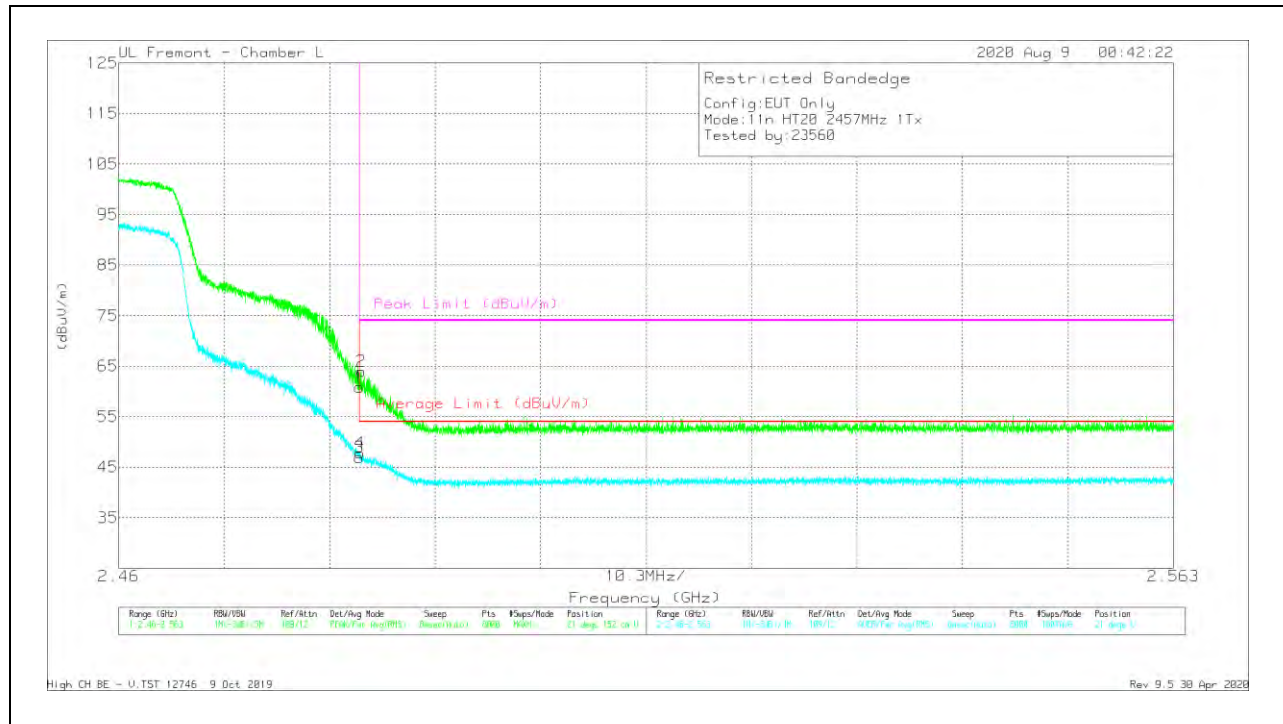
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	46.4	Pk	32.3	-12.9	0	65.8	-	-	74	-8.2	238	165	H
2	* 2.48356	48.08	Pk	32.3	-12.9	0	67.48	-	-	74	-6.52	238	165	H
3	* 2.4835	30.97	RMS	32.3	-12.9	.36	50.73	54	-3.27	-	-	238	165	H
4	* 2.4839	30.68	RMS	32.3	-12.9	.36	50.44	54	-3.56	-	-	238	165	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	* 2.4835	41.42	Pk	32.3	-12.9	0	60.82	-	-	74	-13.18	21	152	V
2	* 2.48366	44.55	Pk	32.3	-12.9	0	63.95	-	-	74	-10.05	21	152	V
3	* 2.4835	27.18	RMS	32.3	-12.9	.36	46.94	54	-7.06	-	-	21	152	V
4	* 2.48355	28.02	RMS	32.3	-12.9	.36	47.78	54	-6.22	-	-	21	152	V

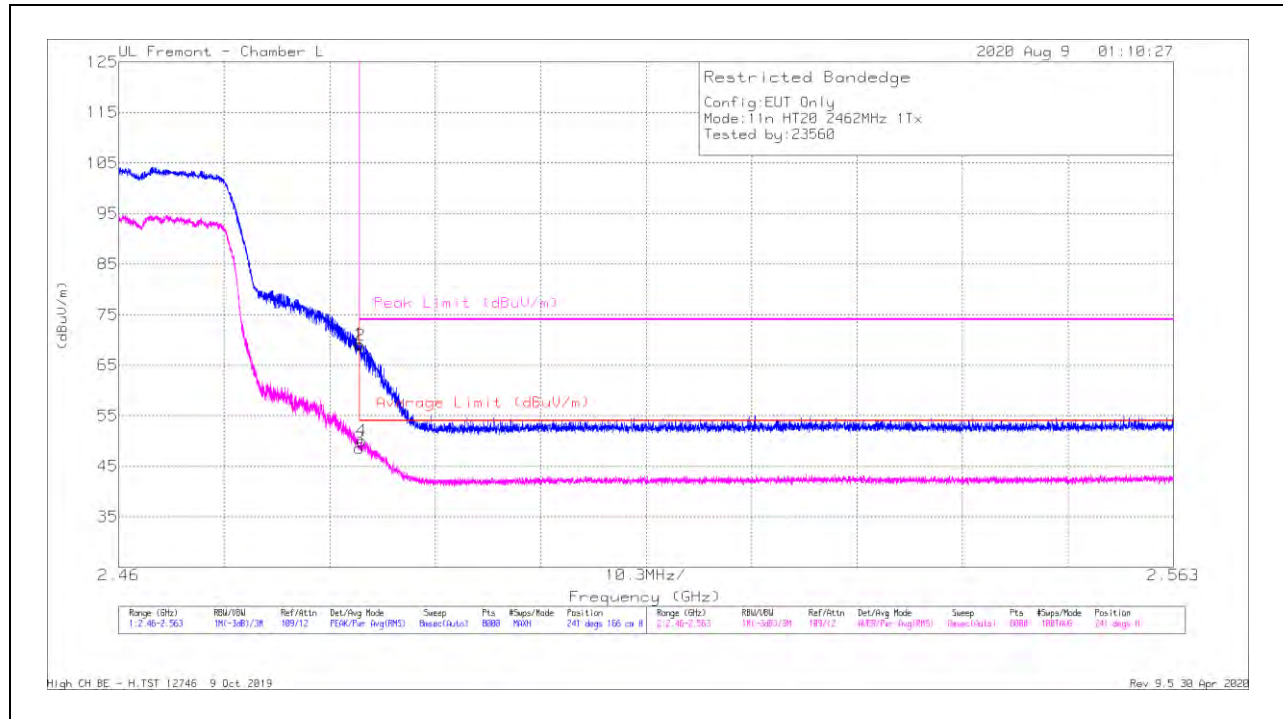
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



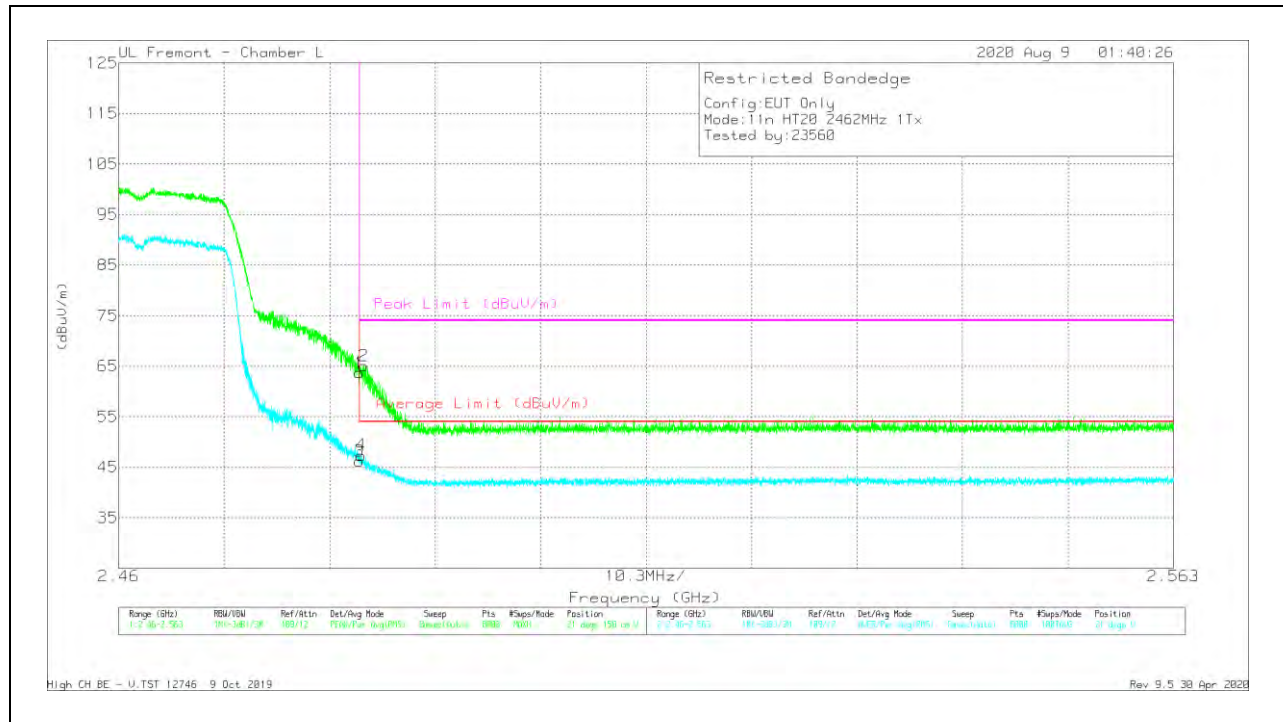
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/CbI/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	49.76	Pk	32.3	-12.9	0	69.16	-	-	74	-4.84	241	166	H
2	* 2.48364	49.56	Pk	32.3	-12.9	0	68.96	-	-	74	-5.04	241	166	H
3	* 2.4835	28.84	RMS	32.3	-12.9	.36	48.60	54	-5.40	-	-	241	166	H
4	* 2.48372	30.32	RMS	32.3	-12.9	.36	50.08	54	-3.92	-	-	241	166	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT

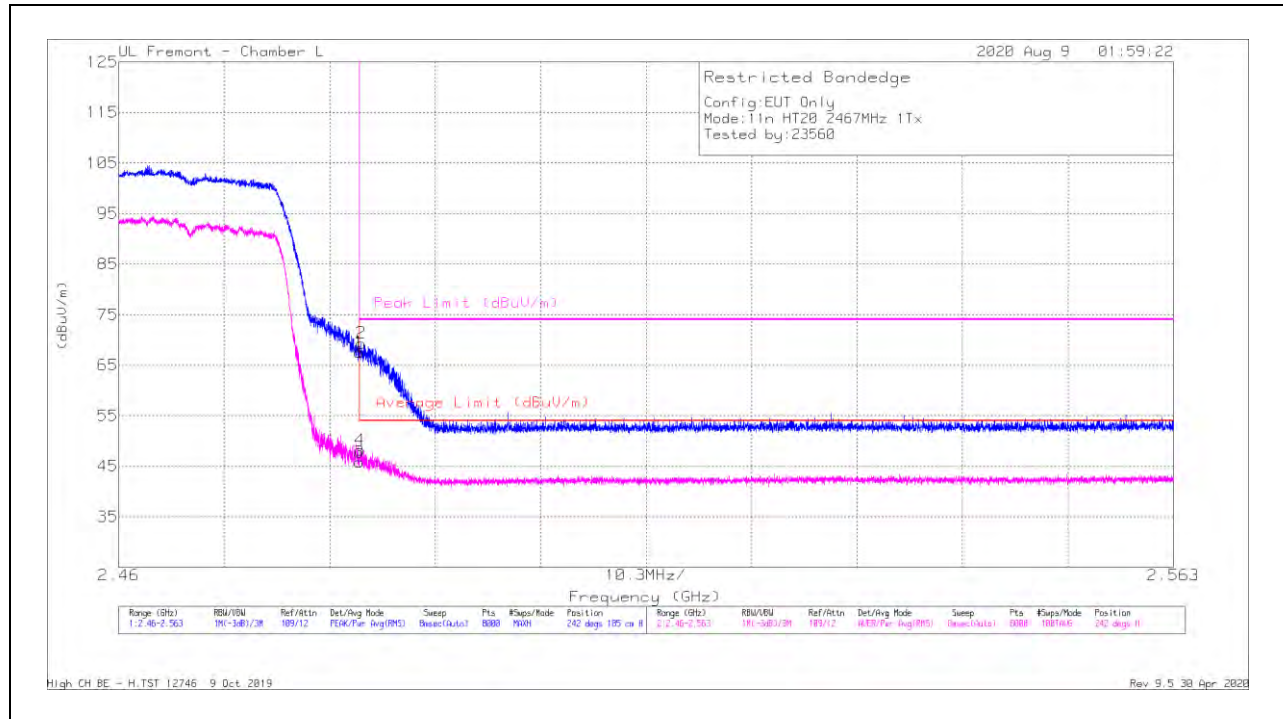


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	44.32	Pk	32.3	-12.9	0	63.72	-	-	74	-10.28	21	150	V
2	* 2.48395	45.68	Pk	32.3	-12.9	0	65.08	-	-	74	-8.92	21	150	V
3	* 2.4835	26.4	RMS	32.3	-12.9	.36	46.16	54	-7.84	-	-	21	150	V
4	* 2.48368	27.6	RMS	32.3	-12.9	.36	47.36	54	-6.64	-	-	21	150	V

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

BANEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL 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	* 2.4835	48.1	Pk	32.3	-12.9	0	67.5	-	-	74	-6.5	242	185	H
2	* 2.48369	49.95	Pk	32.3	-12.9	0	69.35	-	-	74	-4.65	242	185	H
3	* 2.4835	26.03	RMS	32.3	-12.9	.36	45.79	54	-8.21	-	-	242	185	H
4	* 2.48355	28.43	RMS	32.3	-12.9	.36	48.19	54	-5.81	-	-	242	185	H

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

PK - Peak detector

RMS - RMS detection

UL Fremont - Chamber L

2020 Aug 9 02:28:53

Restricted Bondedge
 Config:EUT Only
 Mode:1In HT20 2467MHz 1Tx
 Tested by:23560

Y-axis: dB μ V/m

X-axis: Frequency (GHz)

Peak Limit (dB μ V/m)

Average Limit (dB μ V/m)

Traces: 0.3 (Green), 0.4 (Blue)

Range (GHz)	RBU/RDU	Ref/Rtin	Det/Avg Mode	Sweep	Pts	#Saps/Mode	Position	Range (GHz)	RBU/RDU	Ref/Rtin	Det/Avg Mode	Sweep	Pts	#Saps/Mode	Position
1.7-2.563	D15-SAB172F	DB112	TVN/Freq-Avg(PRE)	3lines/100ms	1000	1000	Off sweep 175 ng V	1.7-2.563	D15-SAB172F	DB112	TVN/Freq-Avg(PRE)	3lines/100ms	1000	1000	Off sweep 175 ng V

High CH BE - U.TST 12746 9 Oct 2019

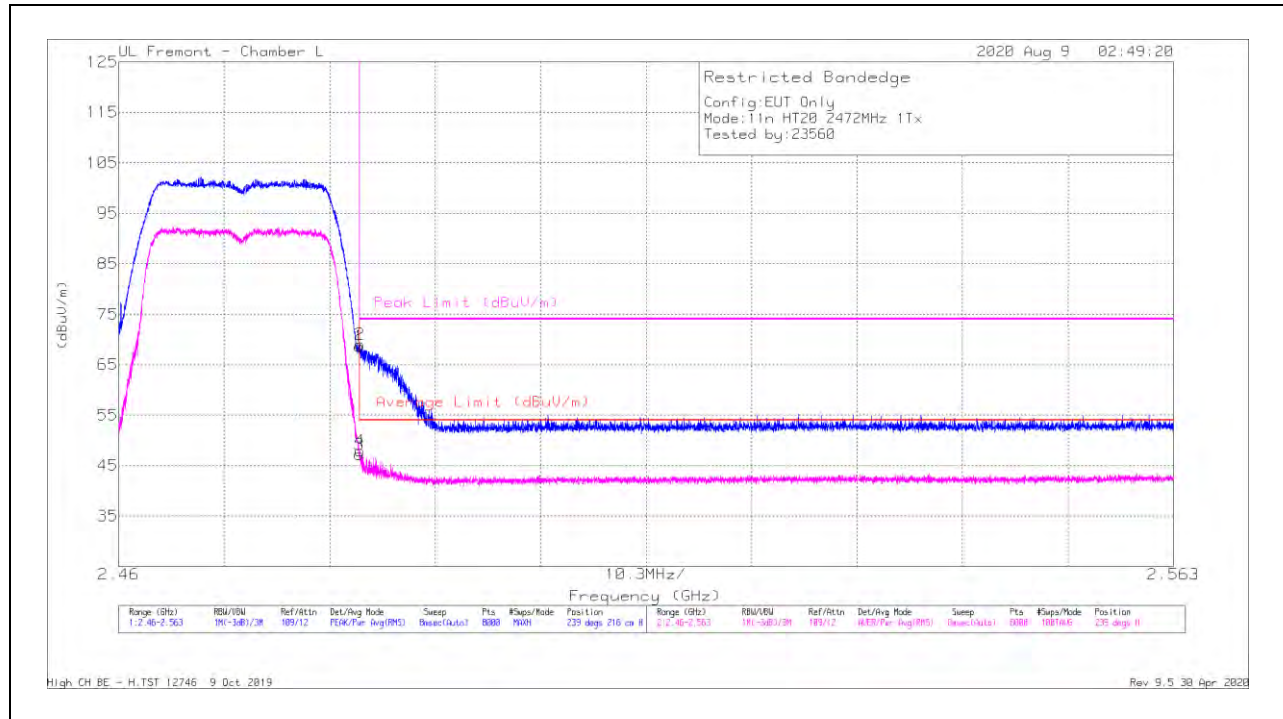
Rev 9.5 30 Apr 2020

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	* 2.4835	46.13	Pk	32.3	-12.9	0	65.53	-	-	74	-8.47	28	175	V
2	* 2.48362	46.09	Pk	32.3	-12.9	0	65.49	-	-	74	-8.51	28	175	V
3	* 2.4835	25.19	RMS	32.3	-12.9	.36	44.95	54	-9.05	-	-	28	175	V
4	* 2.48373	25.97	RMS	32.3	-12.9	.36	45.73	54	-8.27	-	-	28	175	V

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

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



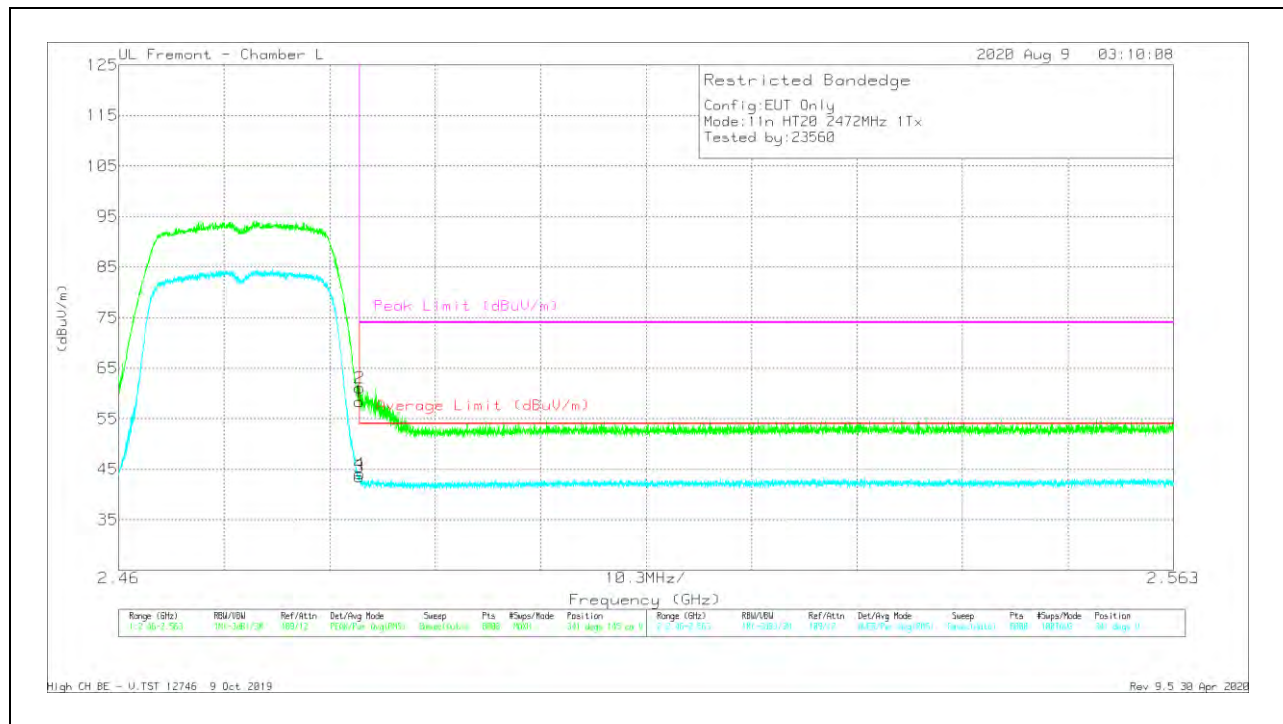
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	49.23	Pk	32.3	-12.9	0	68.63	-	-	74	-5.37	239	216	H
2	* 2.48354	49.63	Pk	32.3	-12.9	0	69.03	-	-	74	-4.97	239	216	H
3	* 2.4835	27.47	RMS	32.3	-12.9	.36	47.23	54	-6.77	-	-	239	216	H
4	* 2.48358	28.11	RMS	32.3	-12.9	.36	47.87	54	-6.13	-	-	239	216	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	AP 344 (dBm)	Amp/Cat/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.4835	39.01	Pk	32.3	-12.9	0	58.41	-	-	74	-15.50	341	145	V
2	* 2.48353	41.74	Pk	32.3	-12.9	0	61.14	-	-	74	-12.86	341	145	V
3	* 2.4835	23.75	RMS	32.3	-12.9	-36	43.51	54	-10.49	-	-	341	145	V
4	* 2.48353	24.36	RMS	32.3	-12.9	-36	44.12	54	-9.88	-	-	341	145	V

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

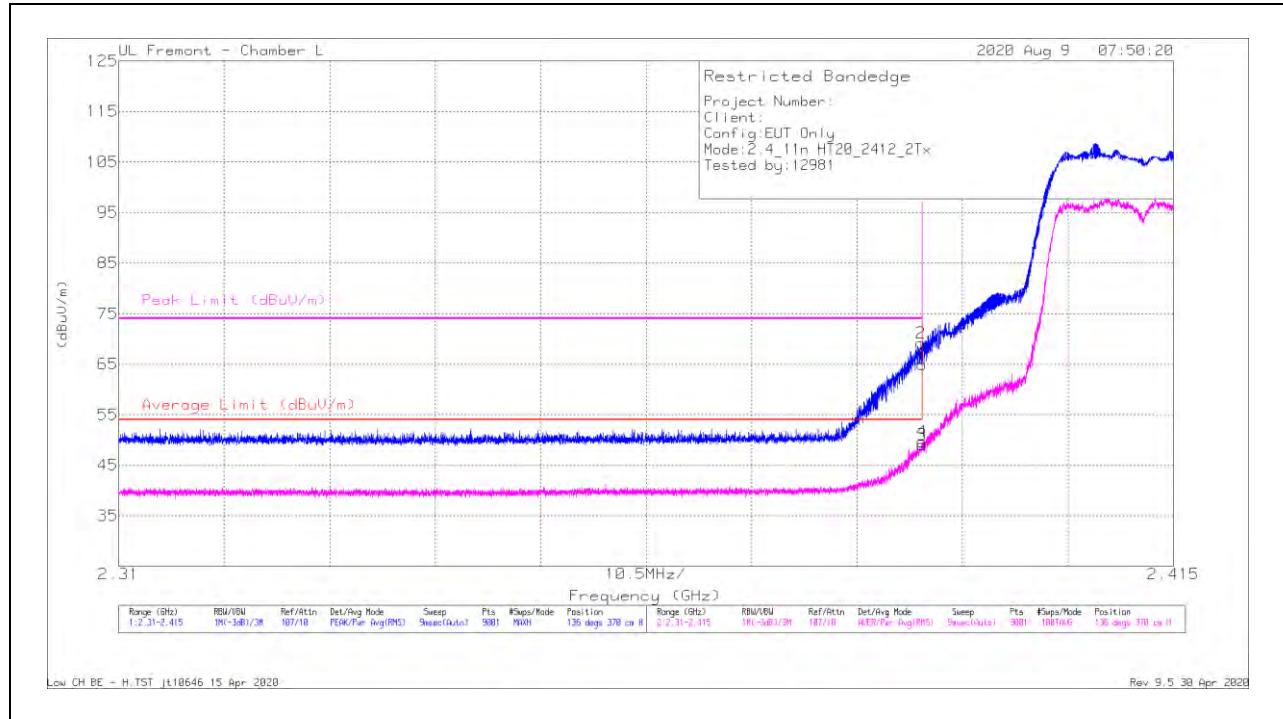
Pk - Peak detector

RMS - RMS detection

2TX ANT 4 + ANT 3 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

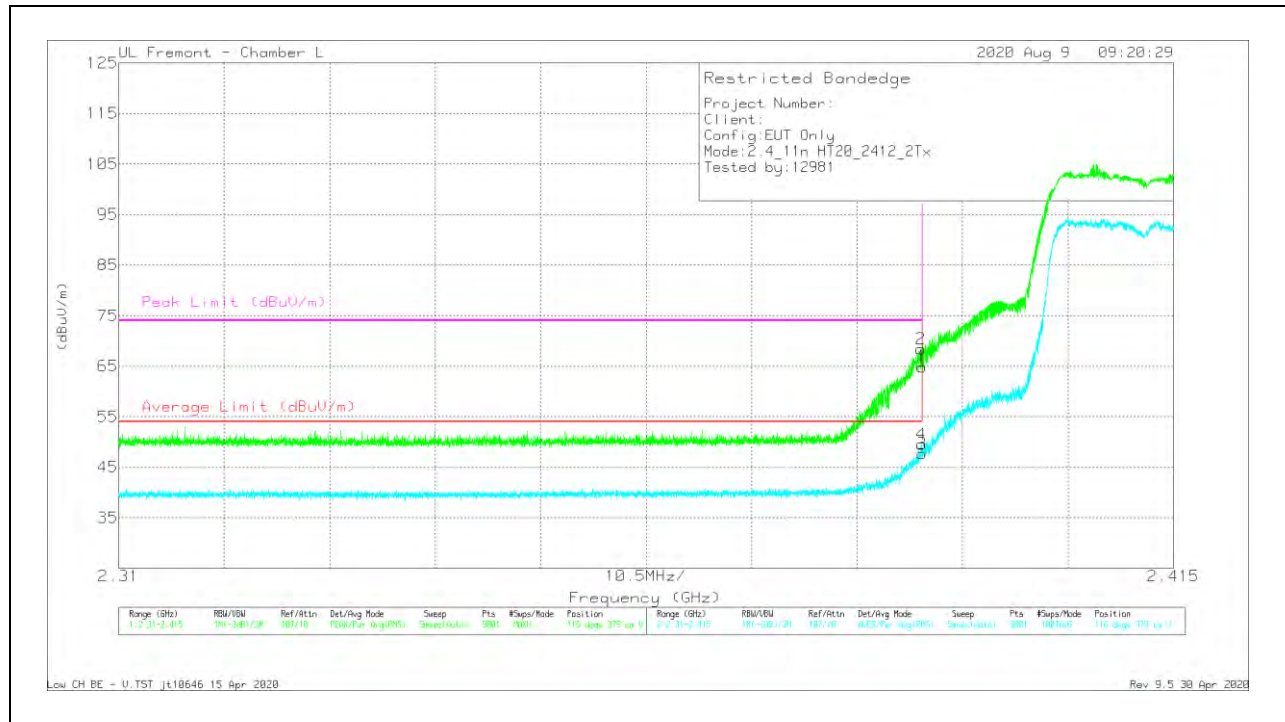
HORIZONTAL RESULT



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	* 2.38999	54.15	Pk	31.9	-21.1	0	64.95	-	-	74	-9.05	136	370	H
2	* 2.38988	58.38	Pk	31.9	-21.1	0	69.18	-	-	74	-4.82	136	370	H
3	* 2.38999	37.6	RMS	31.9	-21.1	.61	49.01	54	-4.99	-	-	136	370	H
4	* 2.38995	38.31	RMS	31.9	-21.1	.61	49.72	54	-4.28	-	-	136	370	H

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

VERTICAL RESULT

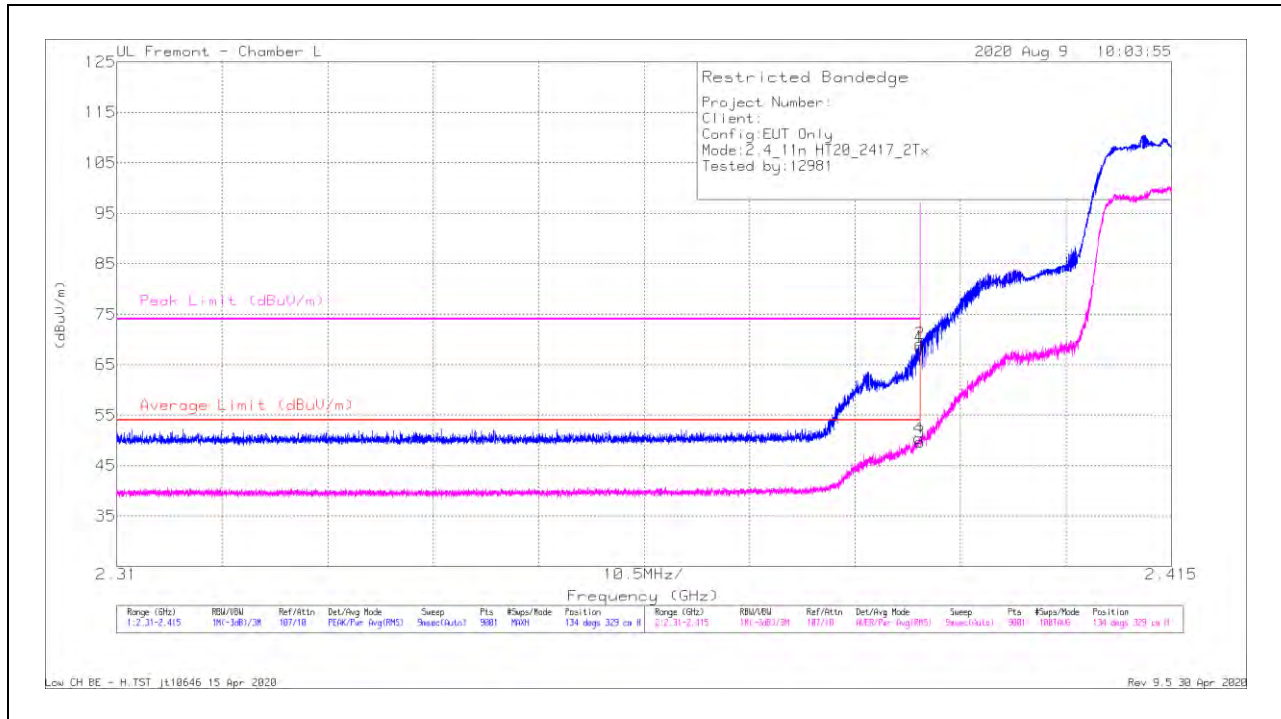


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	54.08	Pk	31.9	-21.1	0	64.88	-	-	74	-9.12	116	379	V
2	* 2.38986	57.63	Pk	31.9	-21.1	0	68.43	-	-	74	-5.57	116	379	V
3	* 2.38999	36.27	RMS	31.9	-21.1	.61	47.68	54	-6.32	-	-	116	379	V
4	* 2.38994	38.08	RMS	31.9	-21.1	.61	49.49	54	-4.51	-	-	116	379	V

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

BANDEDGE (LOW CHANNEL, CH 2)

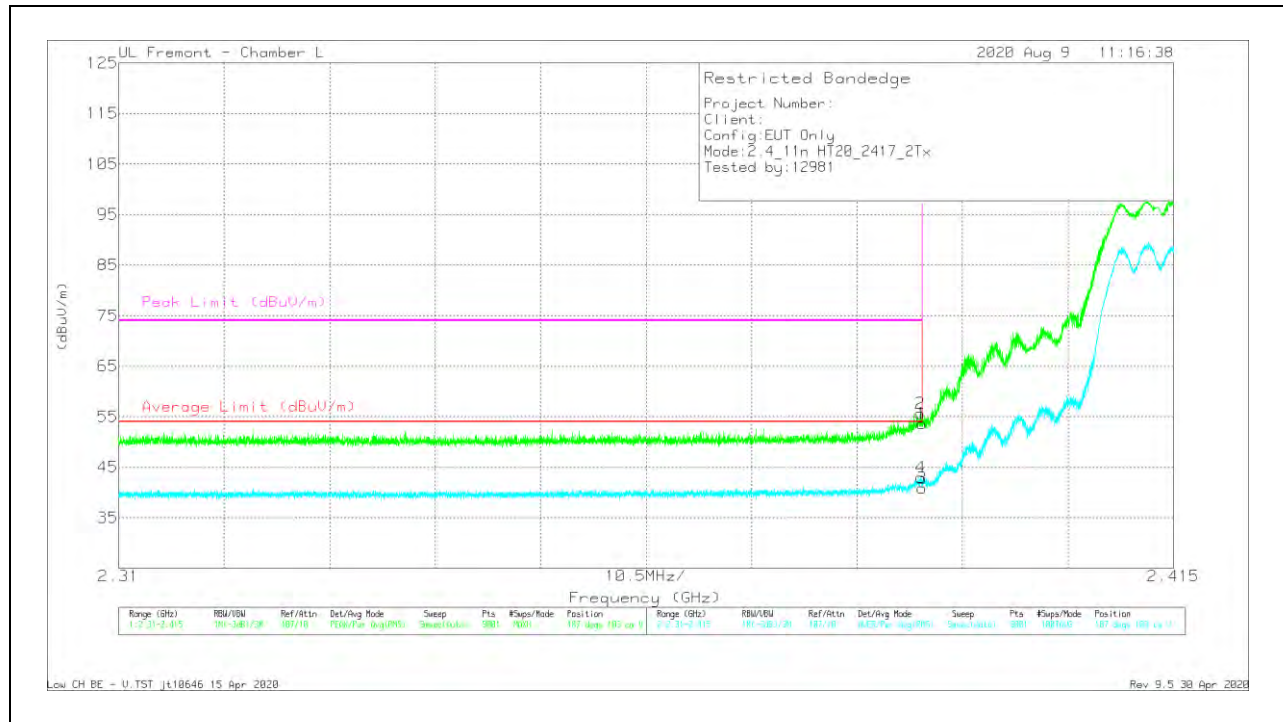
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dBm)	AmpCblFiltv/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	57.75	Pk	31.9	-21.1	0	68.55	-	-	74	-5.45	134	329	H
2	* 2.38997	58.37	Pk	31.9	-21.1	0	69.17	-	-	74	-4.83	134	329	H
3	* 2.38999	38.28	RMS	31.9	-21.1	.61	49.69	54	-4.31	-	-	134	329	H
4	* 2.38988	38.98	RMS	31.9	-21.1	.61	50.39	54	-3.61	-	-	134	329	H

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

VERTICAL RESULT

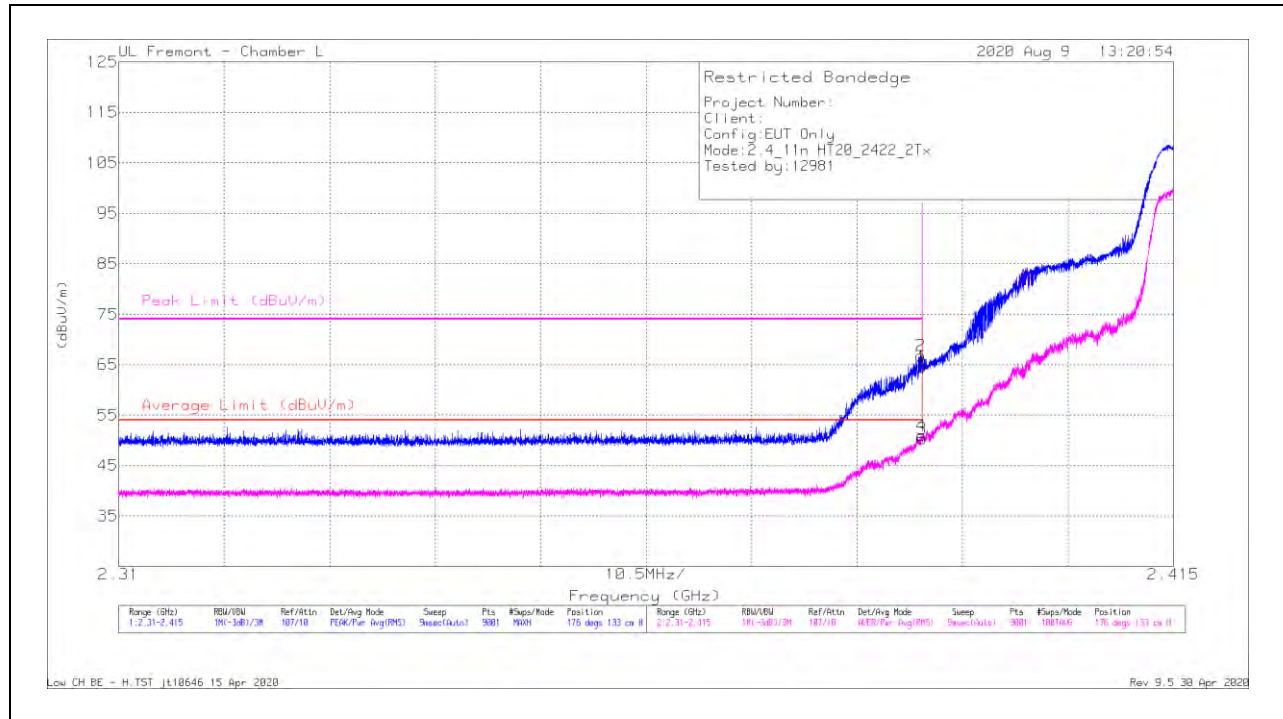


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	42.84	Pk	31.9	-21.1	0	53.64	-	-	74	-20.36	187	103	V
2	* 2.38978	44.82	Pk	31.9	-21.1	0	55.62	-	-	74	-18.38	187	103	V
3	* 2.38999	29.42	RMS	31.9	-21.1	.61	40.83	54	-13.17	-	-	187	103	V
4	* 2.38988	31.5	RMS	31.9	-21.1	.61	42.91	54	-11.09	-	-	187	103	V

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

BANDEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



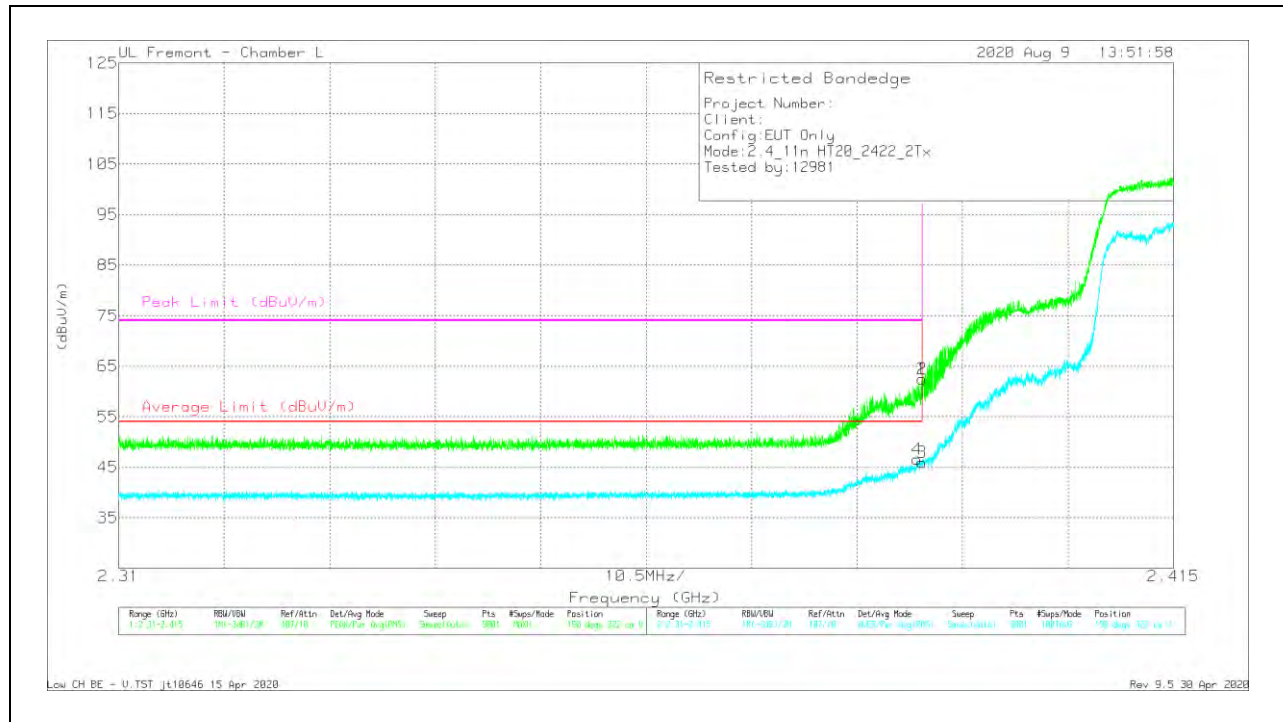
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1	* 2.38999	53.72	Pk	31.9	-21.1	0	64.52	-	-	74	-9.48	176	133	H
2	* 2.38983	55.99	Pk	31.9	-21.1	0	66.79	-	-	74	-7.21	176	133	H
3	* 2.38999	38.87	RMS	31.9	-21.1	.61	50.28	54	-3.72	-	-	176	133	H
4	* 2.38992	39.48	RMS	31.9	-21.1	.61	50.89	54	-3.11	-	-	176	133	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT

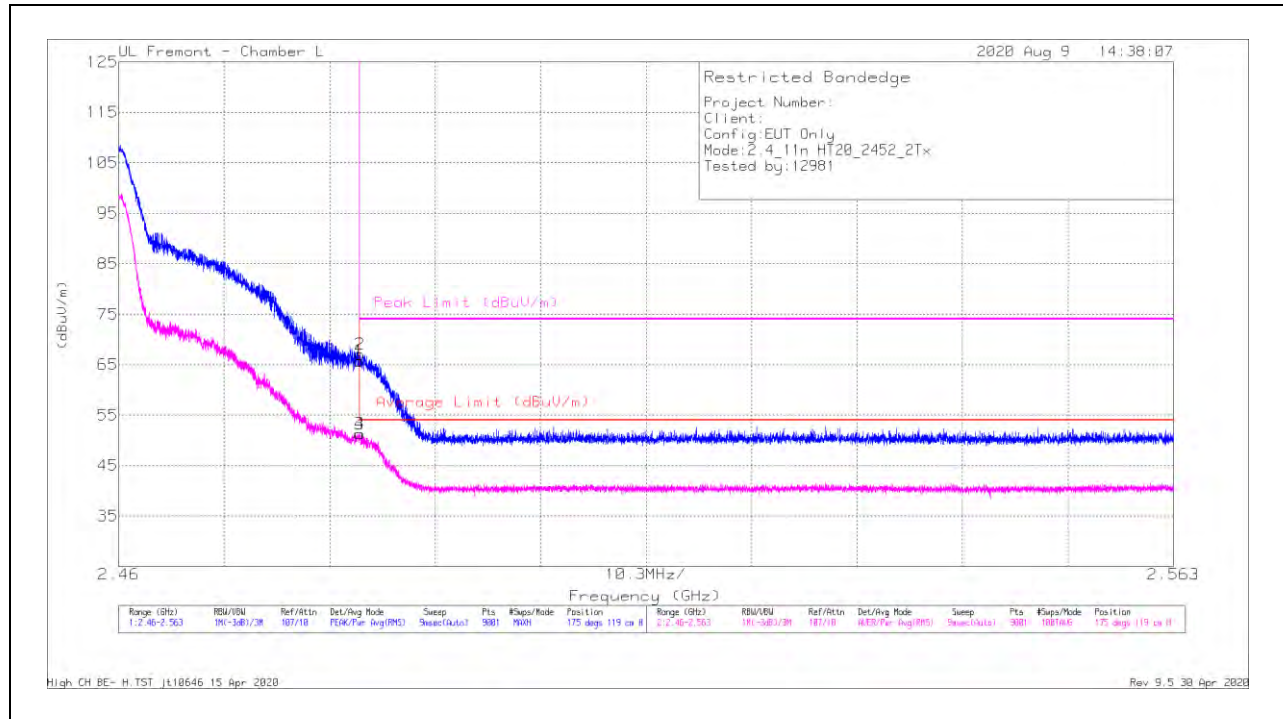


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	51.7	Pk	31.9	-21.1	0	62.5	-	-	74	-11.5	190	322	V
2	* 2.38998	51.67	Pk	31.9	-21.1	0	62.47	-	-	74	-11.53	190	322	V
3	* 2.38999	34.56	RMS	31.9	-21.1	.61	45.97	54	-8.03	-	-	190	322	V
4	* 2.38945	35.17	RMS	31.9	-21.1	.61	46.58	54	-7.42	-	-	190	322	V

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

BANDEDGE (HIGH CHANNEL, CH 9)

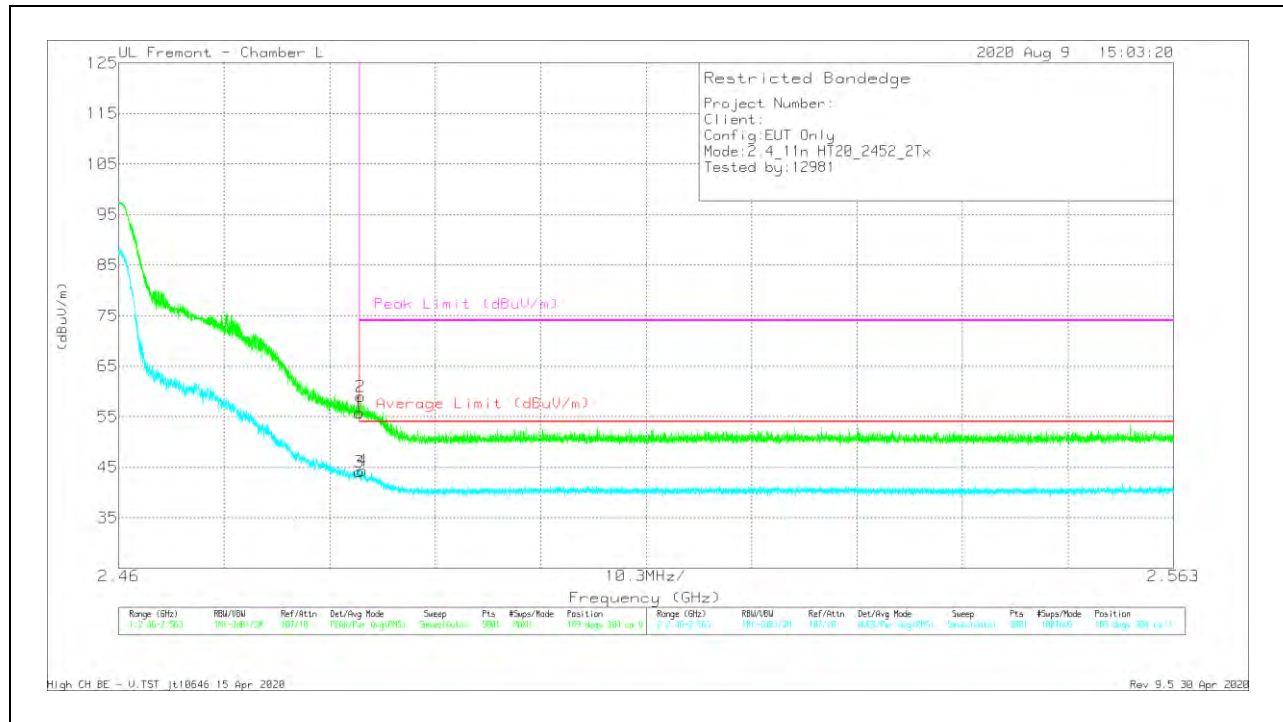
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/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	54.31	Pk	32.3	-20.9	0	65.71	-	-	74	-8.29	175	119	H
2	* 2.48357	55.6	Pk	32.3	-20.9	0	67	-	-	74	-7	175	119	H
3	* 2.48351	39.29	RMS	32.3	-20.9	.61	51.3	54	-2.7	-	-	175	119	H
4	* 2.48356	39.29	RMS	32.3	-20.9	.61	51.3	54	-2.7	-	-	175	119	H

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

VERTICAL RESULT

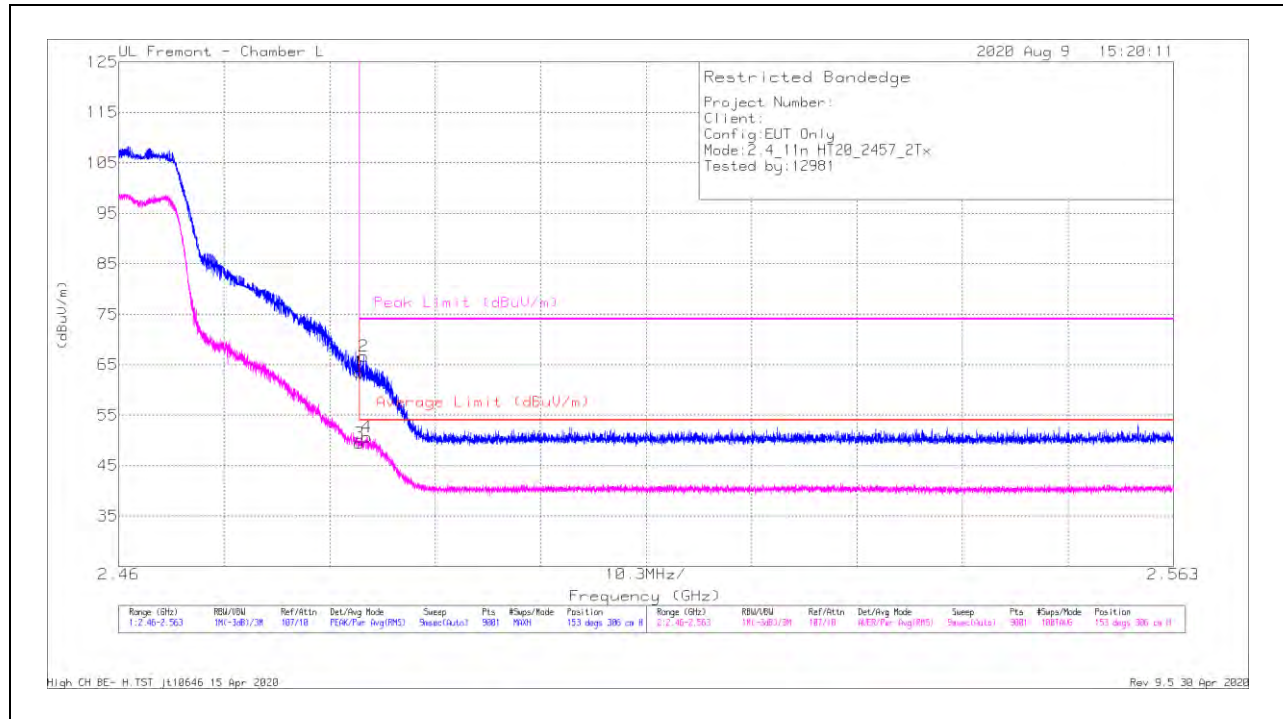


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.48351	44.37	Pk	32.3	-20.9	0	55.77	-	-	74	-18.23	189	304	V
2	*2.48363	47.57	Pk	32.3	-20.9	0	58.97	-	-	74	-15.03	189	304	V
3	*2.48351	32.07	RMS	32.3	-20.9	.61	44.08	54	-9.92	-	-	189	304	V
4	*2.48378	32.31	RMS	32.3	-20.9	.61	44.32	54	-9.68	-	-	189	304	V

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

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



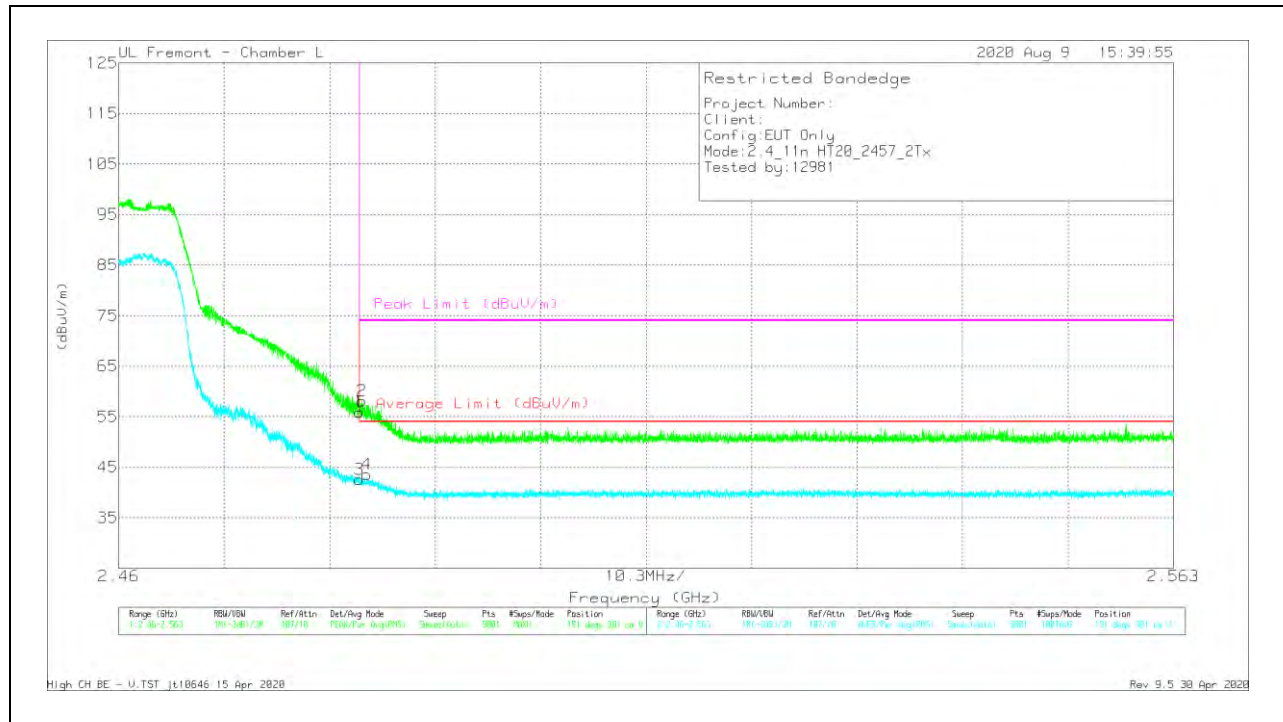
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	52.07	Pk	32.3	-20.9	0	63.47	-	-	74	-10.53	153	306	H
2	* 2.48391	55.31	Pk	32.3	-20.9	0	66.71	-	-	74	-7.29	153	306	H
3	* 2.48351	37.45	RMS	32.3	-20.9	.61	49.46	54	-4.54	-	-	153	306	H
4	* 2.48424	38.7	RMS	32.3	-20.9	.61	50.71	54	-3.29	-	-	153	306	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT

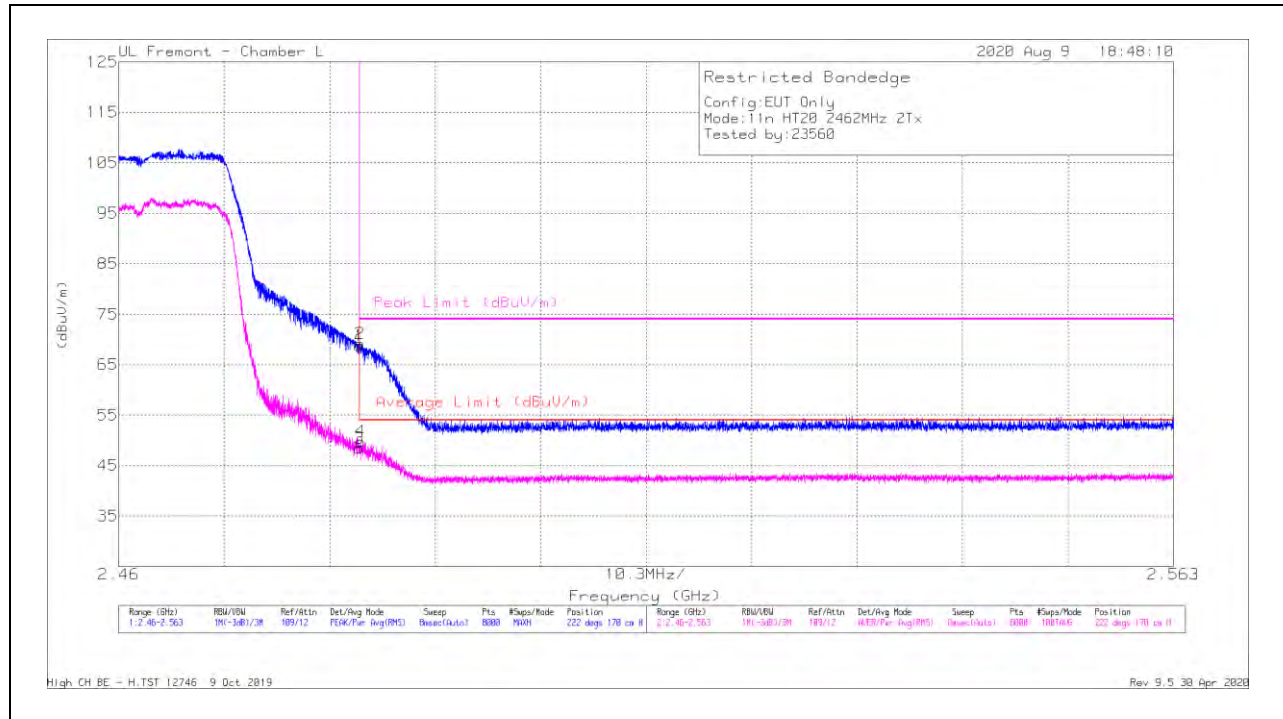


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	44.53	Pk	32.3	-20.9	0	55.93	-	-	74	-18.07	191	301	V
2	* 2.48377	46.68	Pk	32.3	-20.9	0	58.08	-	-	74	-15.92	191	301	V
3	* 2.48351	30.53	RMS	32.3	-20.9	.61	42.54	54	-11.46	-	-	191	301	V
4	* 2.48423	31.57	RMS	32.3	-20.9	.61	43.58	54	-10.42	-	-	191	301	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)	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	49.41	Pk	32.3	-12.9	0	68.81	-	-	74	-5.19	222	170	H
2	* 2.48356	49.79	Pk	32.3	-12.9	0	69.19	-	-	74	-4.81	222	170	H
3	* 2.4835	28.44	RMS	32.3	-12.9	.61	48.45	54	-5.55	-	-	222	170	H
4	* 2.4836	29.79	RMS	32.3	-12.9	.61	49.8	54	-4.2	-	-	222	170	H

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

PK - Peak detector

RMS - RMS detection

UL Fremont - Chamber L

2020 Aug 9 19:31:49

Restricted Bandedge
Config:EUT Only
Mode:1in HT20_2462MHz 2Tx
Tested by:23568

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

Frequency (GHz)

Range (GHz)	RBW/VBW	Ref/Ant	Det/Avg Mode	Sweep	Pts	#Sps/Mode	Position	Range (GHz)	RBW/VBW	Ref/Ant	Det/Avg Mode	Sweep	Pts	#Sps/Mode	Position
1.2-6.2 GHz	10K-300K/75K	ISO/12	FTH/F=	RegIMPD	1000000.00%	1000	1000	1.2-6.2 GHz	10K-300K/75K	ISO/12	FTH/F=	RegIMPD	1000000.00%	1000	1000

High CH BE - U.TST 12746 9 Oct 2019

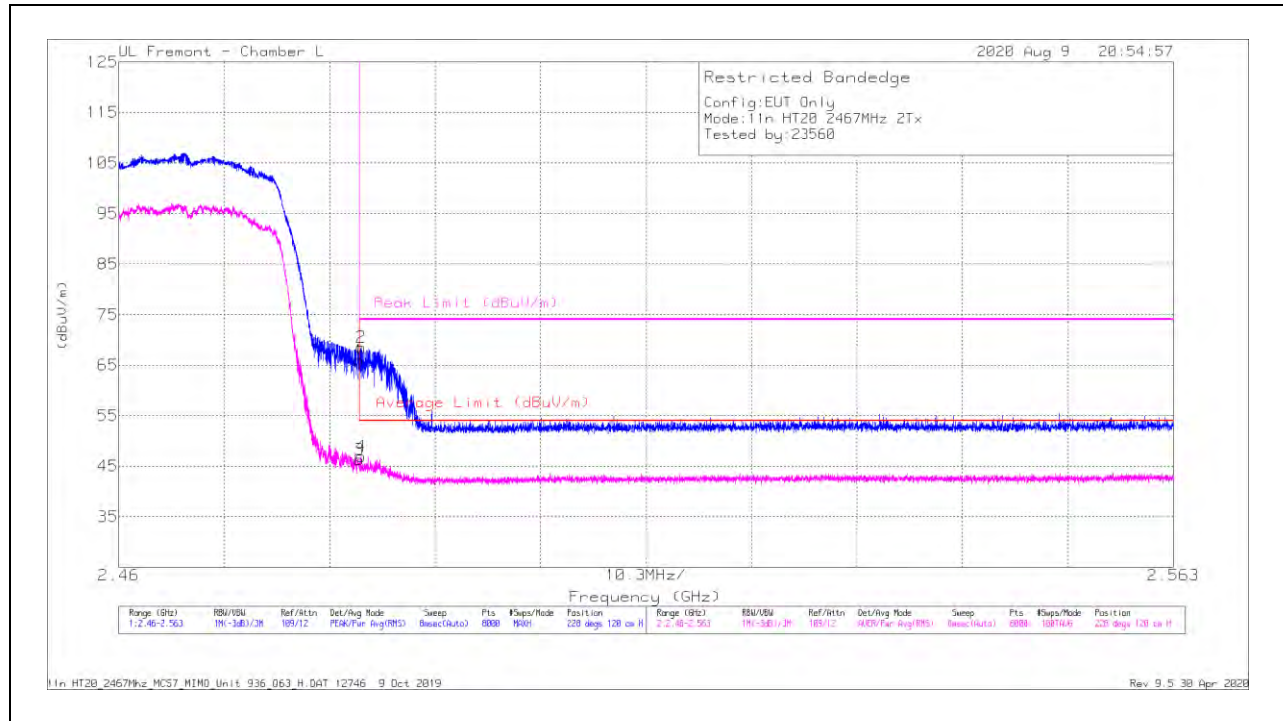
Rev 9.5 3B Apr 2020

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	* 2.4835	49.05	Pk	32.3	-12.9	0	68.45	-	-	74	-5.55	194	386	V
2	* 2.48362	49.51	Pk	32.3	-12.9	0	68.91	-	-	74	-5.09	194	386	V
3	* 2.4835	28.55	RMS	32.3	-12.9	61	48.56	54	-5.44	-	-	194	386	V
* 2.48368	29.06	RMS	32.3	-12.9	61	49.07	54	-4.93	-	-	-	194	386	V

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BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



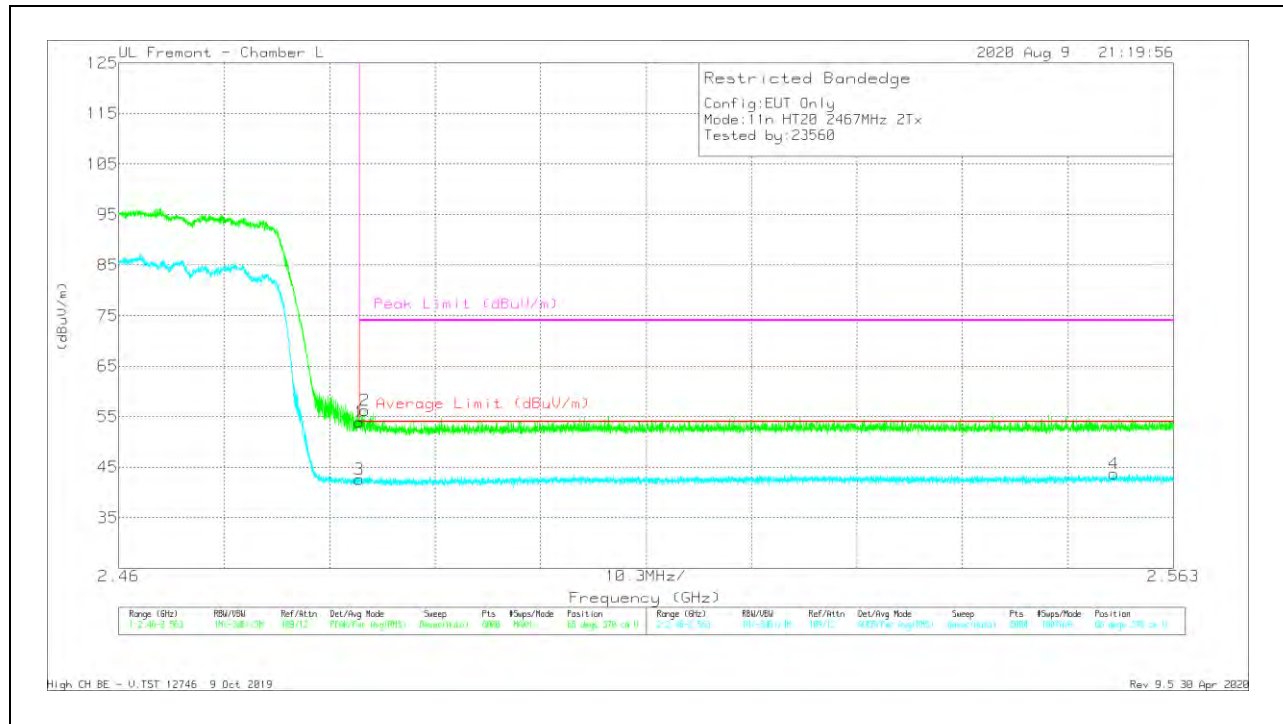
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	46.48	Pk	32.3	-12.9	0	65.88	-	-	74	-8.12	228	120	H
2	* 2.48368	49.09	Pk	32.3	-12.9	0	68.49	-	-	74	-5.51	228	120	H
3	* 2.4835	26.27	RMS	32.3	-12.9	.61	46.28	54	-7.72	-	-	228	120	H
4	* 2.48369	26.94	RMS	32.3	-12.9	.61	46.95	54	-7.05	-	-	228	120	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT

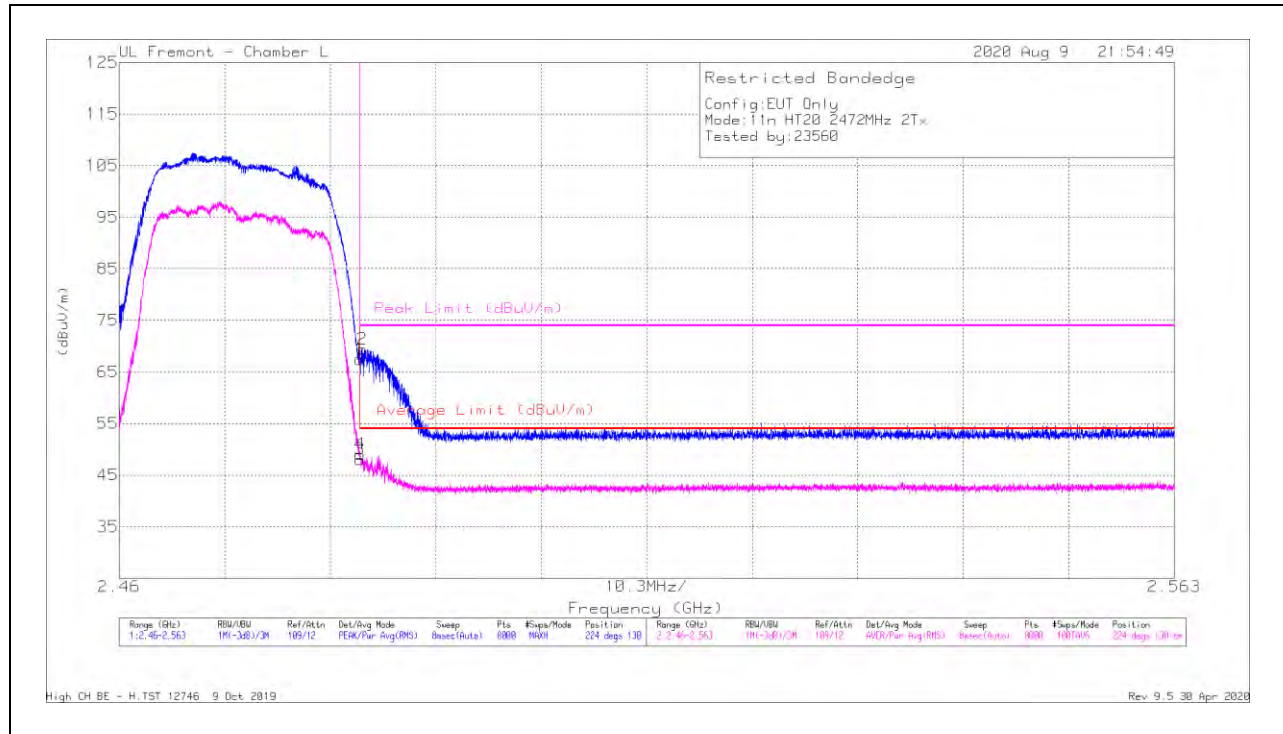


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	34.54	Pk	32.3	-12.9	0	53.94	-	-	74	-20.06	66	370	V
2	* 2.48404	36.89	Pk	32.3	-12.9	0	56.29	-	-	74	-17.71	66	370	V
3	* 2.4835	22.57	RMS	32.3	-12.9	.61	42.58	54	-11.42	-	-	66	370	V
4	2.55717	23.41	RMS	32.3	-12.6	.61	43.72	54	-10.28	-	-	66	370	V

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

BANDEDGE (HIGH CHANNEL, CH 13)

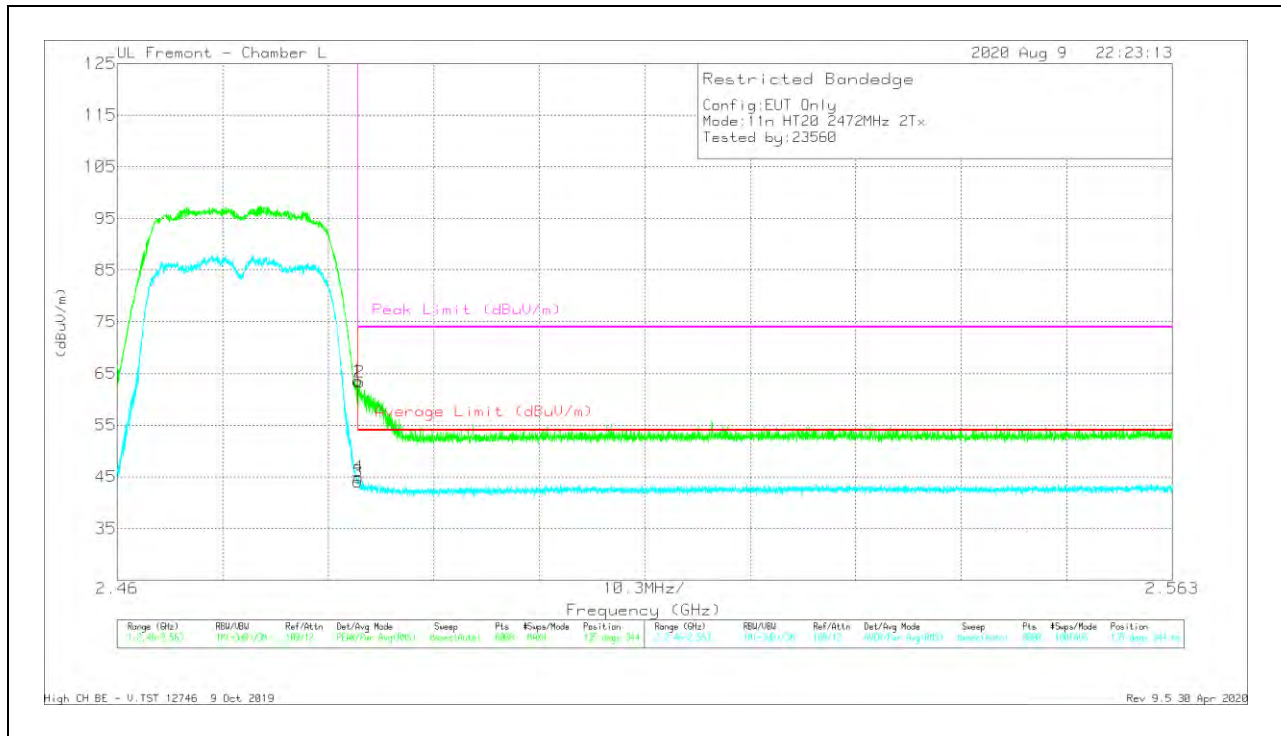
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/Cbl/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	* 2.4835	48.06	Pk	32.3	-12.9	0	67.46	-	-	74	-6.54	224	130	H
2	* 2.48373	50.03	Pk	32.3	-12.9	0	69.43	-	-	74	-4.57	224	130	H
3	* 2.4835	28.05	RMS	32.3	-12.9	.61	48.06	54	-5.94	-	-	224	130	H
4	* 2.48351	29.02	RMS	32.3	-12.9	.61	49.03	54	-4.97	-	-	224	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/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	* 2.4835	44.17	PK	32.3	-12.9	0	63.57	-	-	74	-10.43	135	344	V
2	* 2.48364	43.93	PK	32.3	-12.9	0	63.33	-	-	74	-10.67	135	344	V
3	* 2.4835	24.06	RMS	32.3	-12.9	.61	44.07	54	-9.93	-	-	135	344	V
4	* 2.48355	24.91	RMS	32.3	-12.9	.61	44.92	54	-9.08	-	-	135	344	V

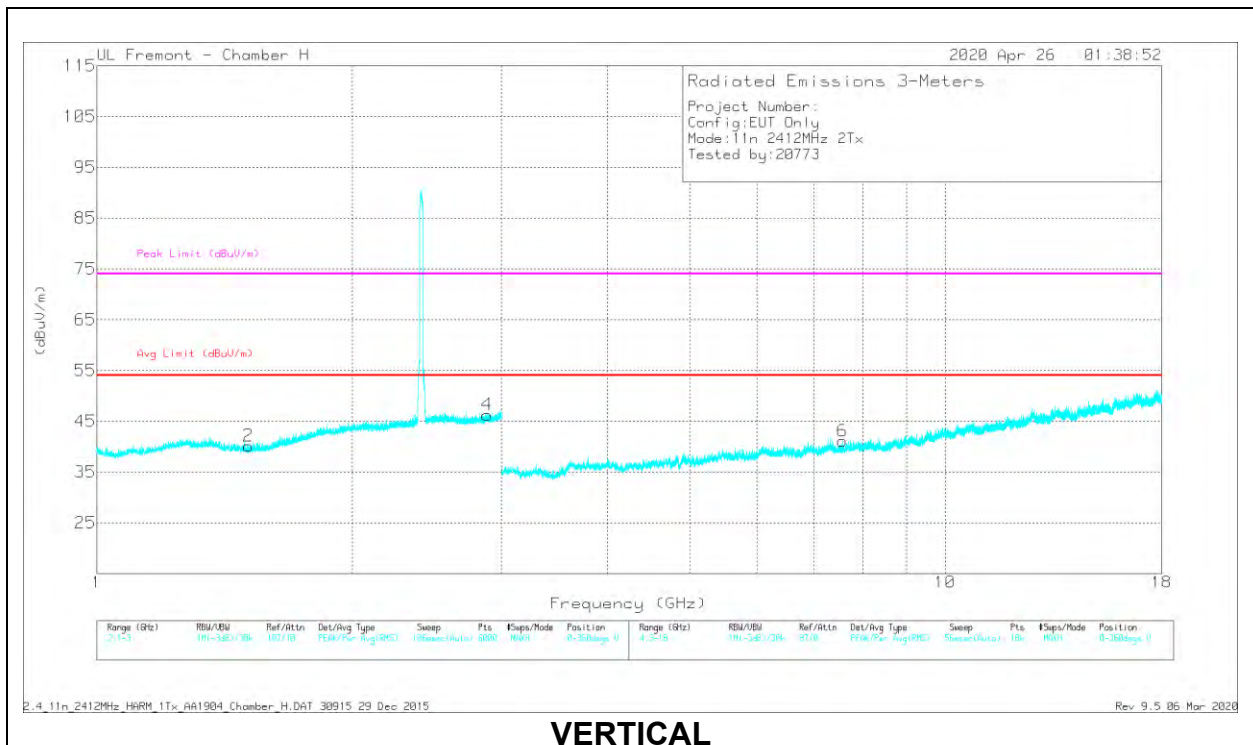
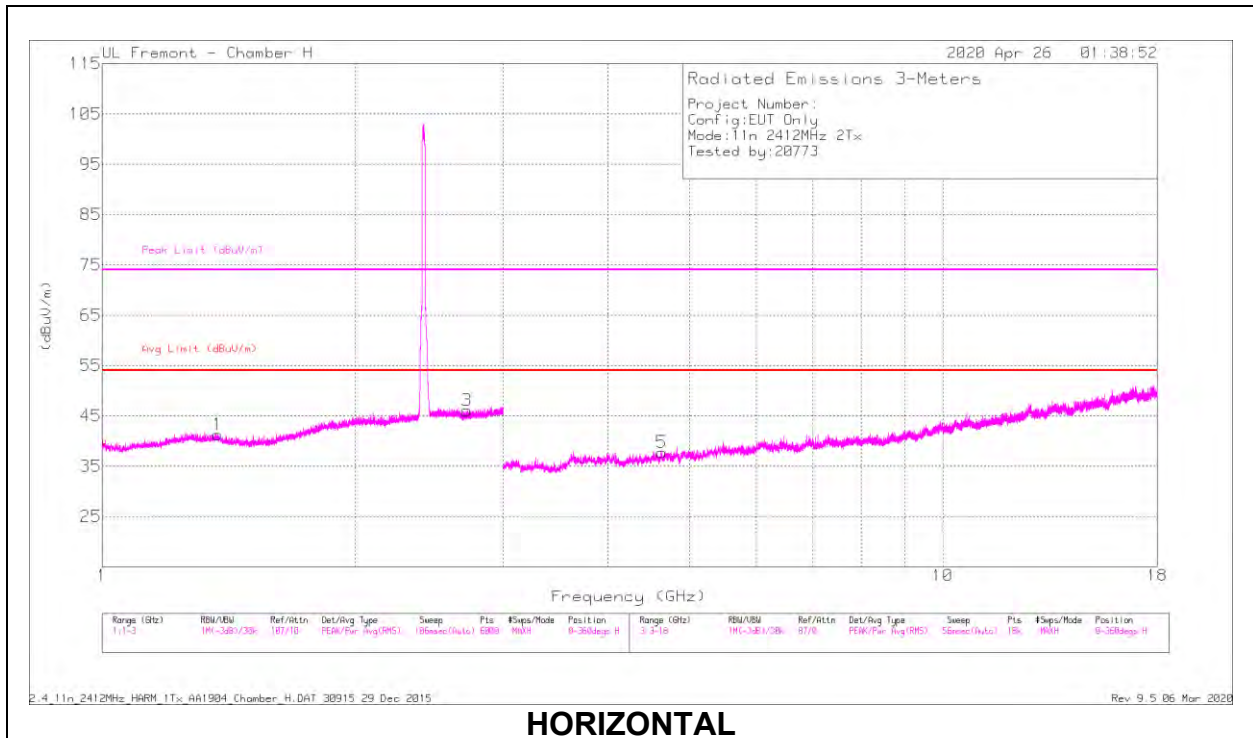
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

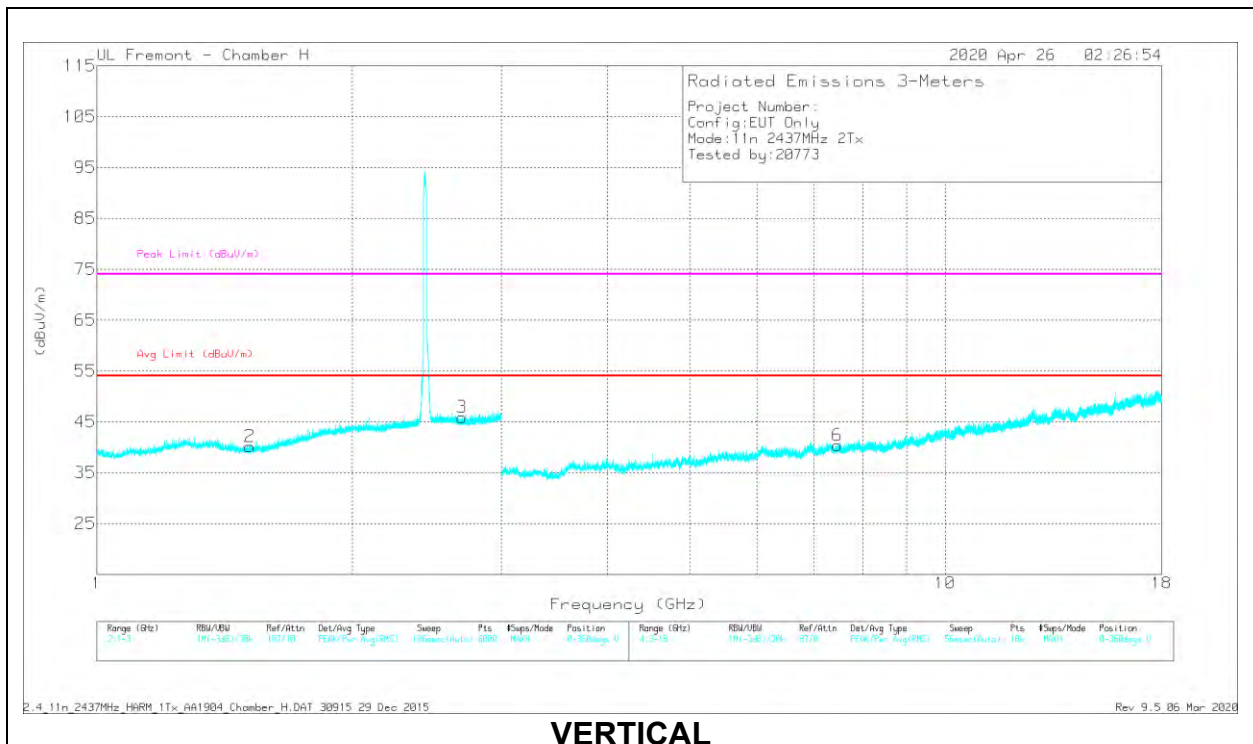
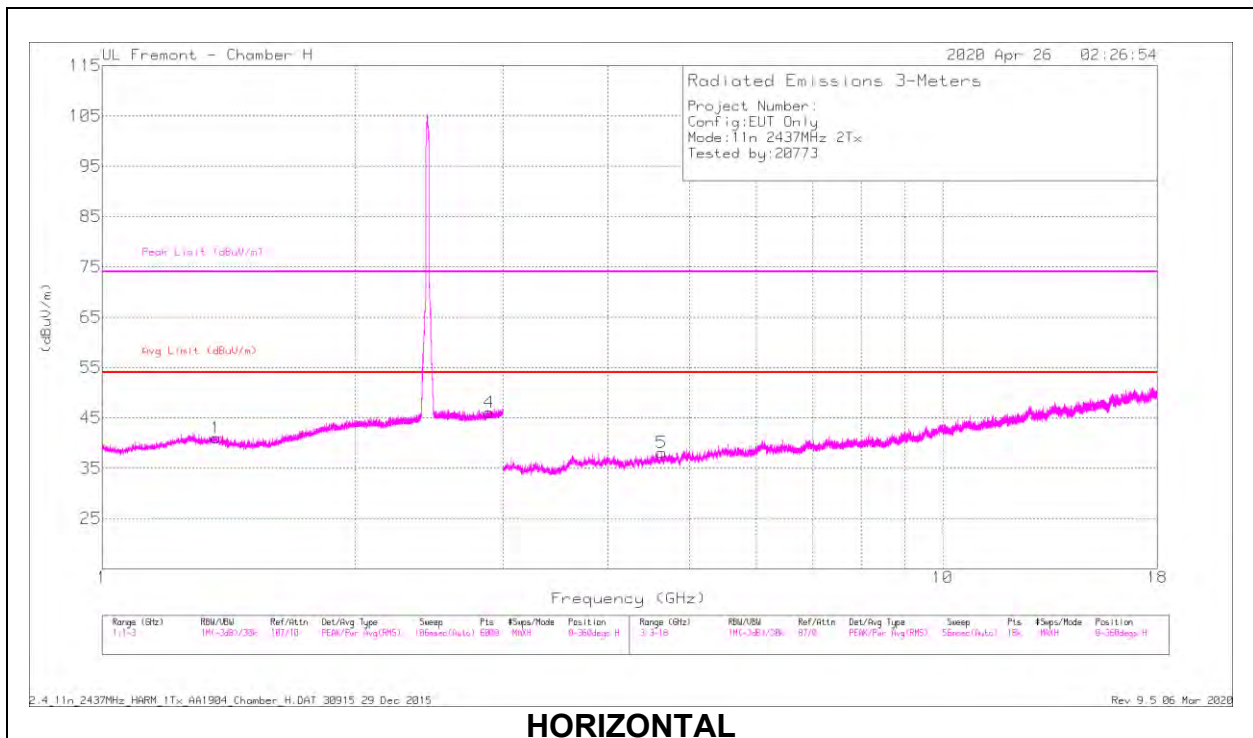
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.37234	45.29	PK2	28.8	-25.4	48.69	-	-	74	-25.31	61	110	H
	* 1.37371	33.43	MAv1	28.8	-25.4	36.83	54	-17.17	-	-	61	110	H
3	* 2.71725	43.98	PK2	32.1	-23.5	52.58	-	-	74	-21.42	312	167	H
	* 2.71387	32.6	MAv1	32.1	-23.5	41.2	54	-12.8	-	-	312	167	H
2	* 1.51014	45.08	PK2	27.8	-25.1	47.78	-	-	74	-26.22	213	200	V
	* 1.5103	33.22	MAv1	27.8	-25.1	35.92	54	-18.08	-	-	213	200	V
4	* 2.8867	44.23	PK2	32.5	-23.4	53.33	-	-	74	-20.67	255	132	V
	* 2.88633	32.63	MAv1	32.5	-23.4	41.73	54	-12.27	-	-	255	132	V
5	* 4.6311	41.66	PK2	34.2	-31.1	44.76	-	-	74	-29.24	102	219	H
	* 4.62987	30.75	MAv1	34.2	-31.1	33.85	54	-20.15	-	-	102	219	H
6	* 7.57253	40.04	PK2	36.1	-28.2	47.94	-	-	74	-26.06	133	373	V
	* 7.57315	28.18	MAv1	36.1	-28.2	36.08	54	-17.92	-	-	133	373	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



RADIATED EMISSIONS

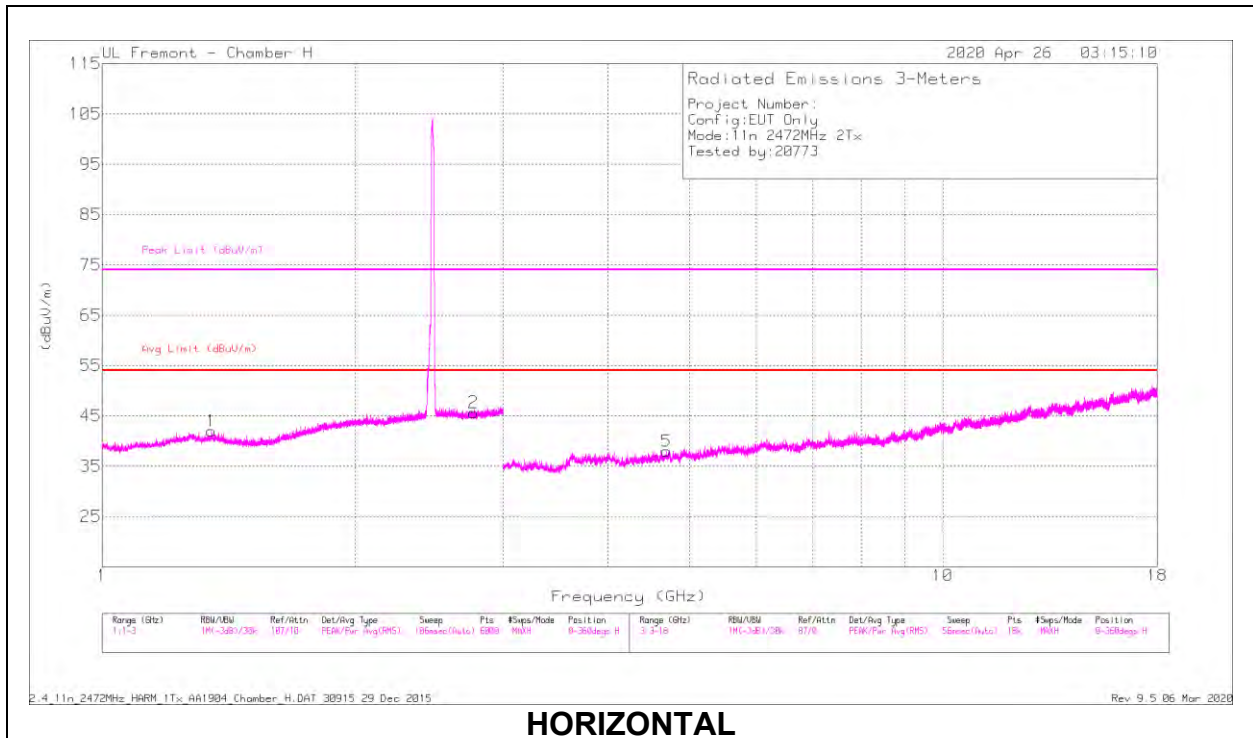
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.36424	45.14	PK2	29.1	-25.5	48.74	-	-	74	-25.26	272	182	H
	* 1.36725	33.42	MAv1	29	-25.5	36.92	54	-17.08	-	-	272	182	H
4	* 2.88518	43.71	PK2	32.5	-23.4	52.81	-	-	74	-21.19	309	200	H
	* 2.88474	32.56	MAv1	32.5	-23.4	41.66	54	-12.34	-	-	309	200	H
2	* 1.51649	44.93	PK2	27.8	-25.1	47.63	-	-	74	-26.37	114	251	V
	* 1.51277	33.13	MAv1	27.8	-25.1	35.83	54	-18.17	-	-	114	251	V
3	* 2.69485	44.58	PK2	32	-23.5	53.08	-	-	74	-20.92	180	310	V
	* 2.69524	32.69	MAv1	32	-23.5	41.19	54	-12.81	-	-	180	310	V
5	* 4.62811	42.54	PK2	34.2	-31.1	45.64	-	-	74	-28.36	6	362	H
	* 4.62994	30.81	MAv1	34.2	-31.1	33.91	54	-20.09	-	-	6	362	H
6	* 7.46188	39.25	PK2	36.1	-28	47.35	-	-	74	-26.65	162	111	V
	* 7.46472	28.26	MAv1	36.1	-28.1	36.26	54	-17.74	-	-	162	111	V

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

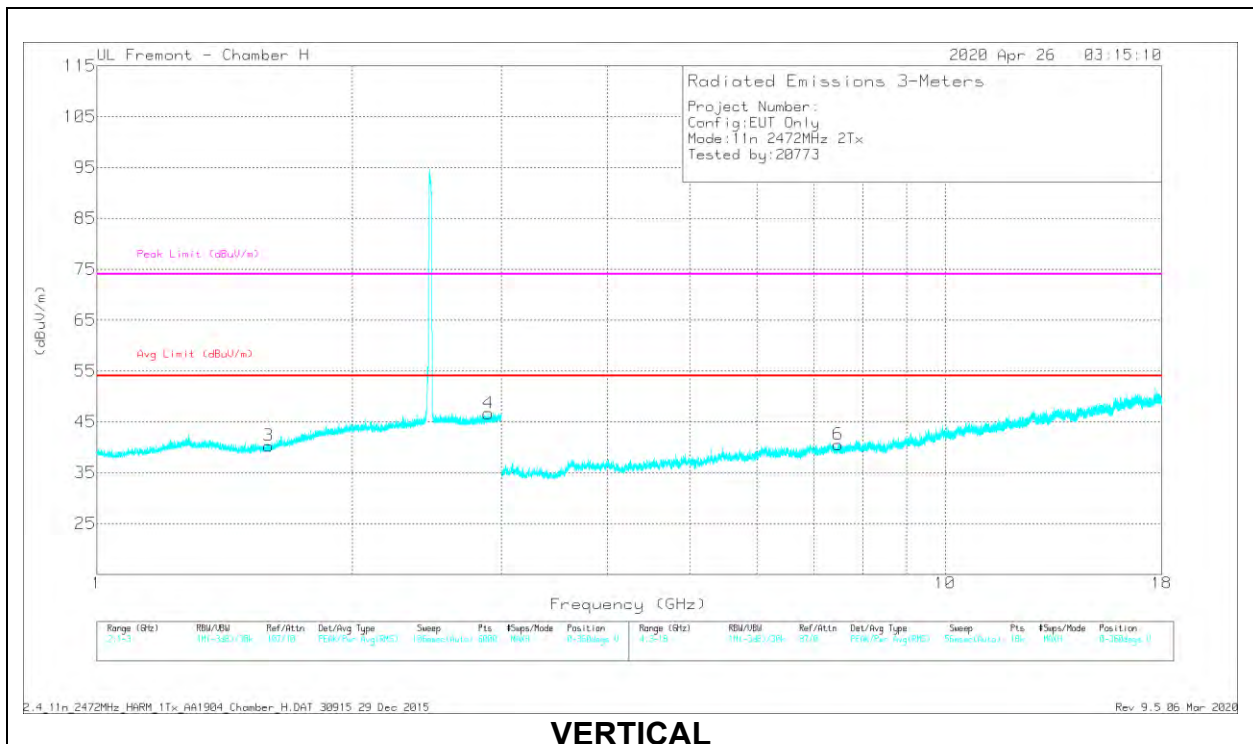
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 13 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/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	* 1.3507	44.99	PK2	29	-25.4	48.59	-	-	74	-25.41	318	151	H
	* 1.34943	33.42	MAv1	29	-25.4	37.02	54	-16.98	-	-	318	151	H
2	* 2.76454	44.49	PK2	32.2	-23.5	53.19	-	-	74	-20.81	23	218	H
	* 2.76317	32.66	MAv1	32.2	-23.5	41.36	54	-12.64	-	-	23	218	H
3	* 1.59255	44.82	PK2	28	-24.9	47.92	-	-	74	-26.08	132	356	V
	* 1.59252	33.04	MAv1	28	-24.9	36.14	54	-17.86	-	-	132	356	V
4	* 2.89587	44.06	PK2	32.6	-23.3	53.36	-	-	74	-20.64	161	200	V
	* 2.89386	32.56	MAv1	32.6	-23.3	41.86	54	-12.14	-	-	161	200	V
5	* 4.69522	41.65	PK2	34.3	-31	44.95	-	-	74	-29.05	222	118	H
	* 4.69242	30.52	MAv1	34.3	-31	33.82	54	-20.18	-	-	222	118	H
6	* 7.48177	39.63	PK2	36.2	-28.1	47.73	-	-	74	-26.27	105	179	V
	* 7.48033	28.43	MAv1	36.2	-28.1	36.53	54	-17.47	-	-	105	179	V

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

PK2 - KDB558074 Method: Maximum Peak

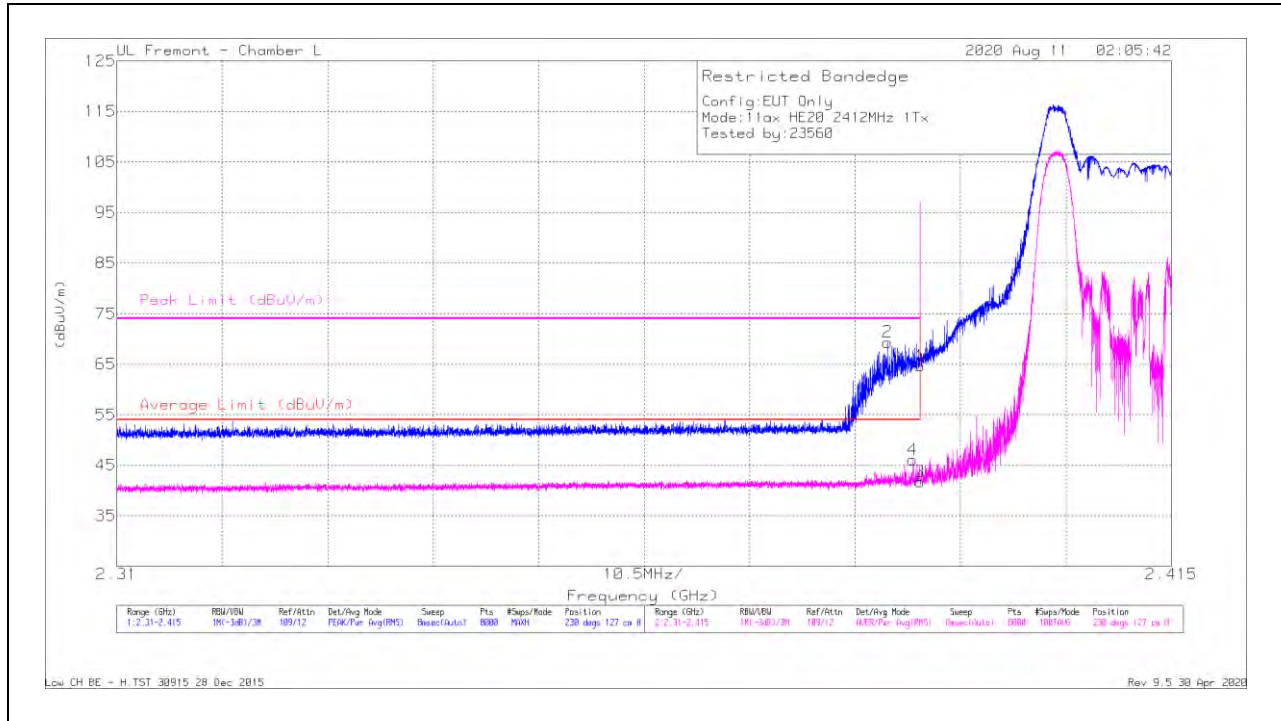
MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.3. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 2.4 GHz BAND

ANT 4: 26-Tone, RU Index 0

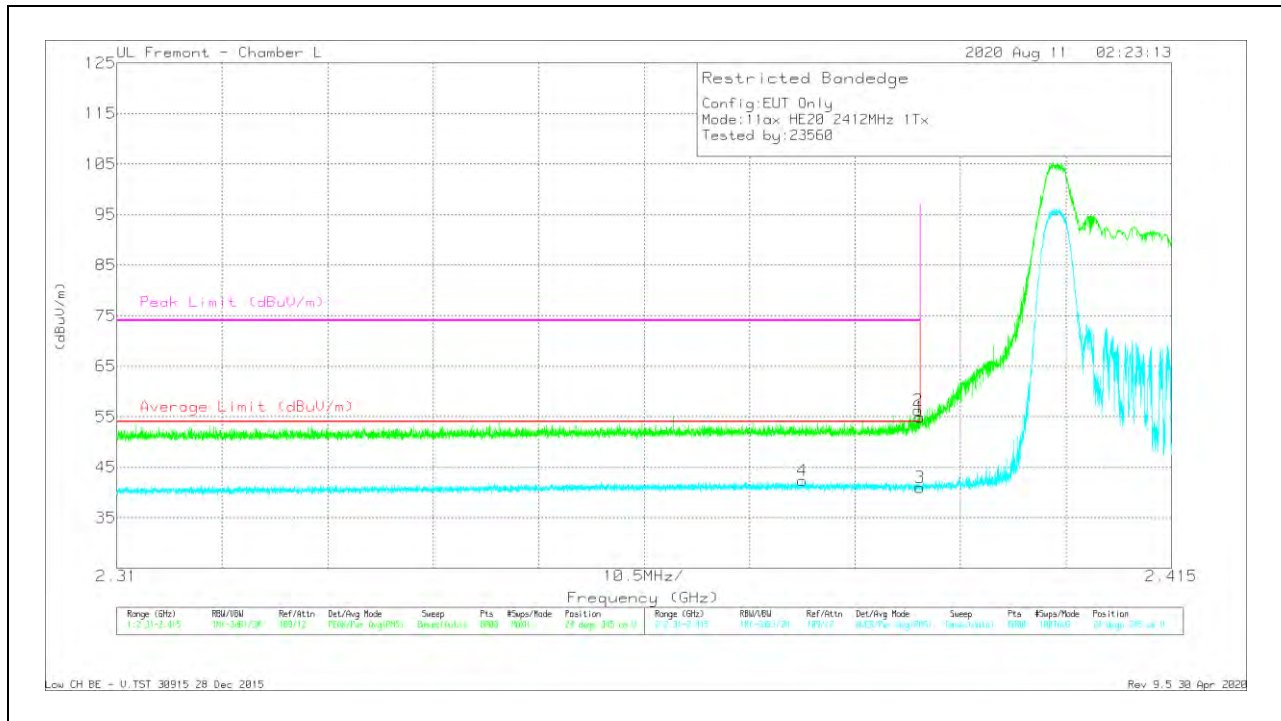
BANDEDGE (LOW CHANNEL, CH 1)

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	* 2.39	45.88	Pk	31.9	-13.1	64.88	-	-	74	-9.32	230	127	H
2	* 2.38673	50.65	Pk	31.8	-13.1	69.35	-	-	74	-4.65	230	127	H
3	* 2.39	22.91	RMS	31.9	-13.1	41.71	54	-12.29	-	-	230	127	H
4	* 2.38923	27.25	RMS	31.9	-13.1	46.05	54	-7.95	-	-	230	127	H

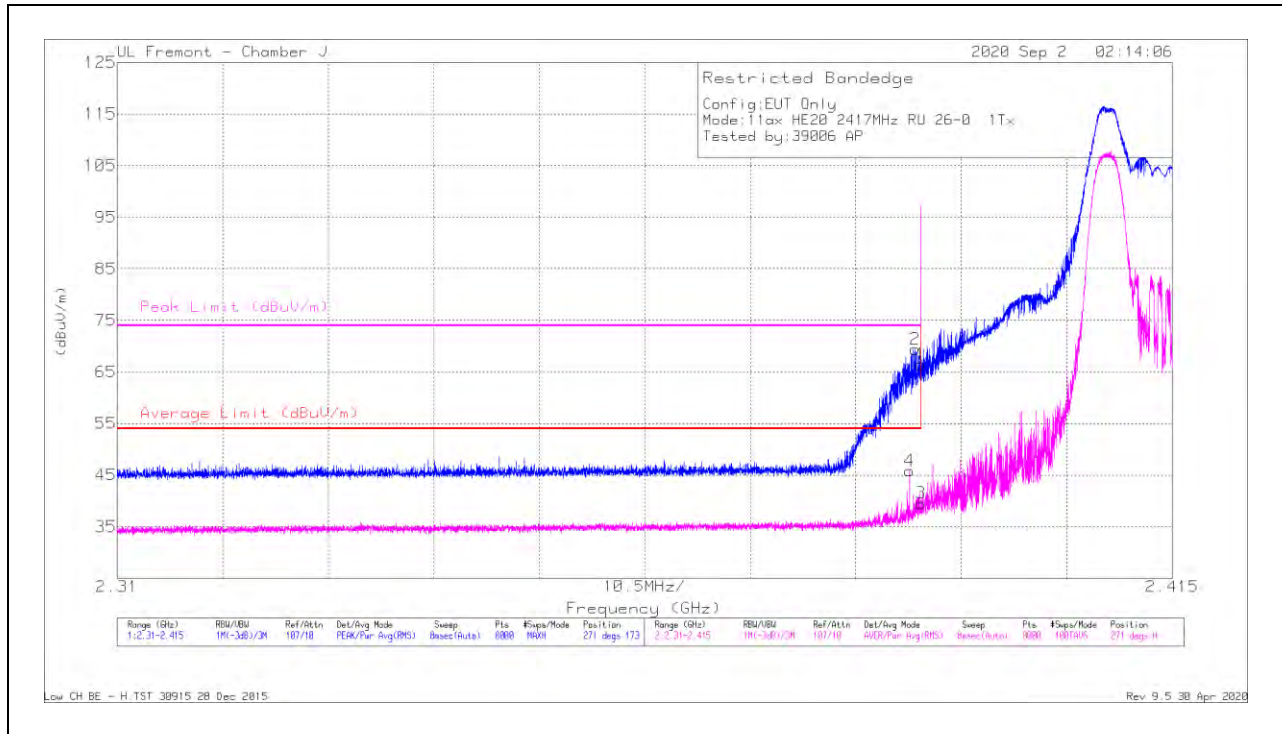
VERTICAL RESULT



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	* 2.39	36.14	Pk	31.9	-13.1	54.94	-	-	74	-19.06	24	345	V
2	* 2.3898	37.5	Pk	31.9	-13.1	56.3	-	-	74	-17.7	24	345	V
3	* 2.39	22.22	RMS	31.9	-13.1	41.02	54	-12.98	-	-	24	345	V
4	* 2.37826	23.53	RMS	31.8	-13	42.33	54	-11.67	-	-	24	345	V

BANEDGE (LOW CHANNEL, CH 2)

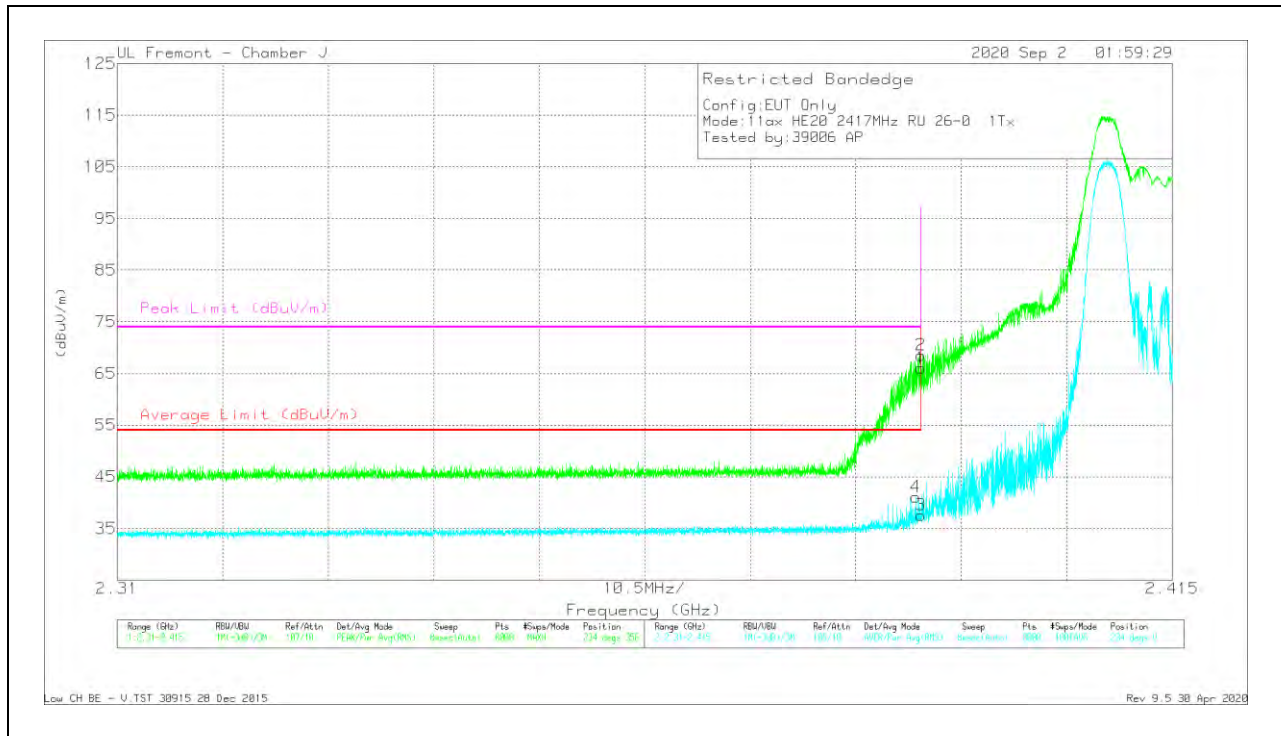
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fit r/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	51.66	Pk	29	-14.2	66.46	-	-	74	-7.54	271	173	H
2	2.38942	54.61	Pk	29	-14.2	69.41	-	-	74	-4.59	271	173	H
3	2.39	24.74	RMS	29	-14.2	39.54	54	-14.46	-	-	271	173	H
4	2.38884	31.03	RMS	29	-14.2	45.83	54	-8.17	-	-	271	173	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

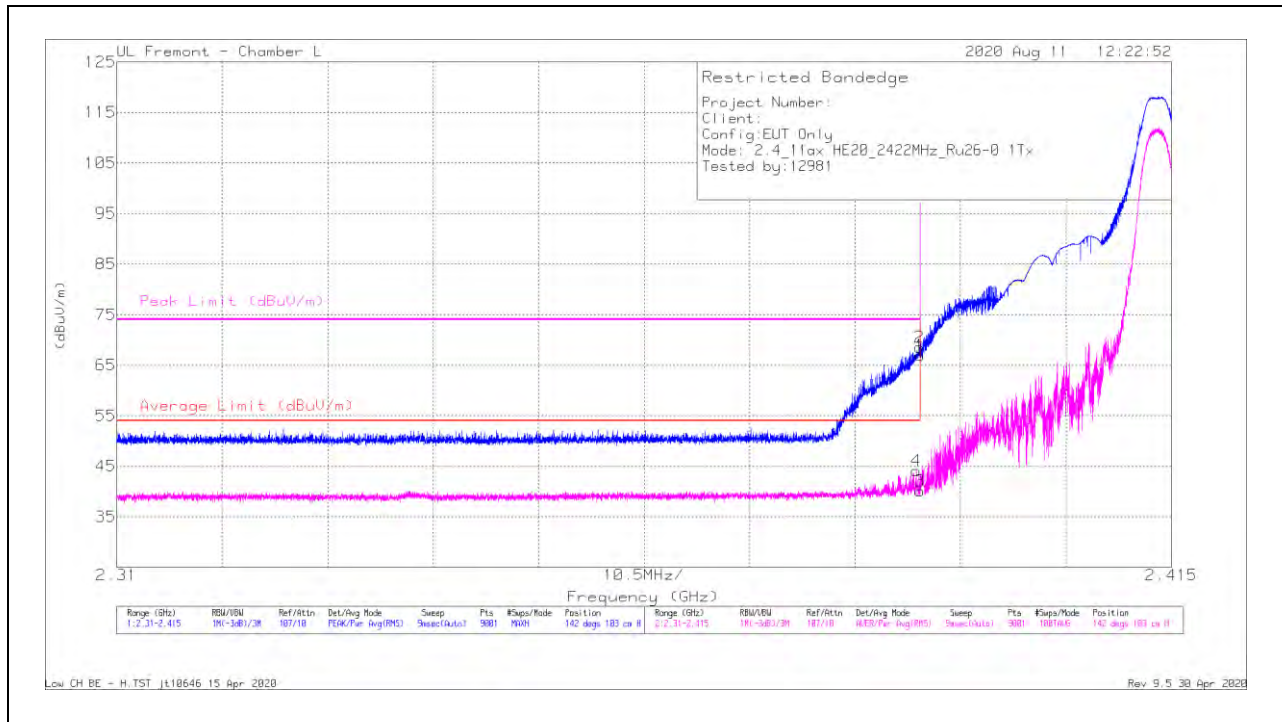


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T963 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.39	51.23	Pk	29	-14.2	66.03	-	-	74	-7.97	234	356	V
2	2.38997	53.73	Pk	29	-14.2	68.53	-	-	74	-5.47	234	356	V
3	2.39	22.78	RMS	29	-14.2	37.58	54	-16.42	-	-	234	356	V
4	2.38946	26.27	RMS	29	-14.2	41.07	54	-12.93	-	-	234	356	V

Pk - Peak detector
RMS - RMS detection

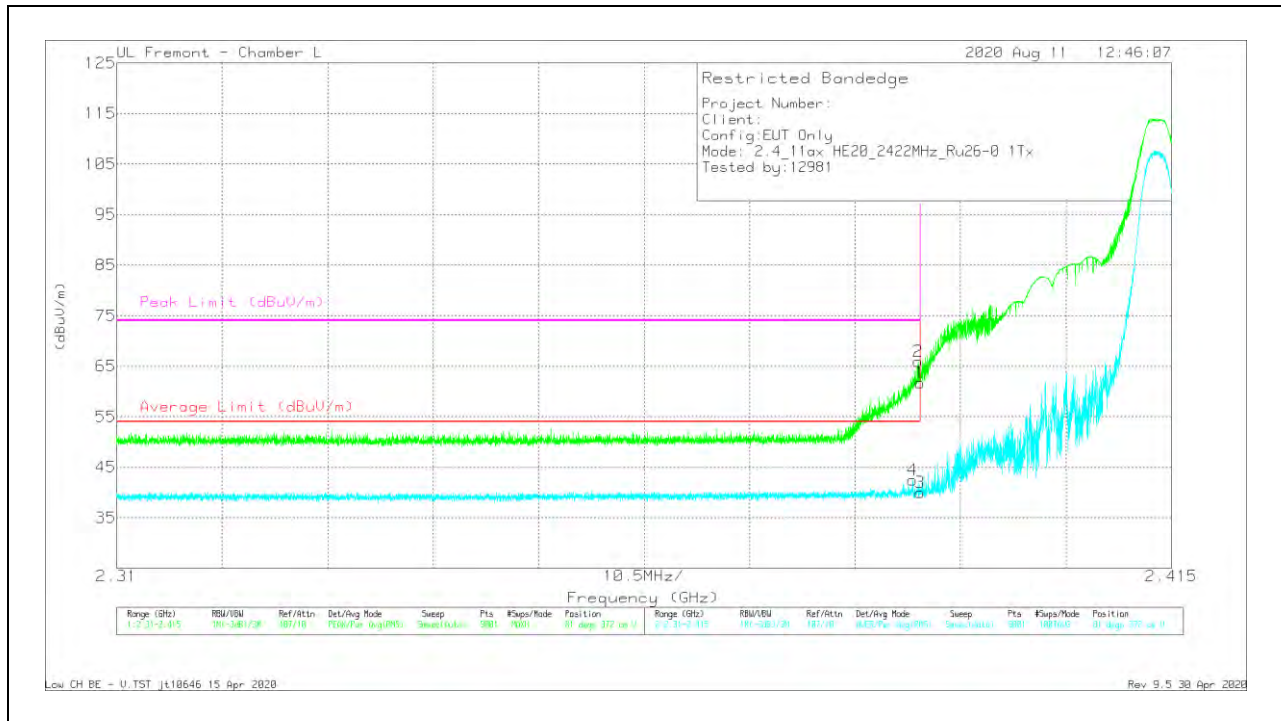
BANDEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 344 (dB/m)	Amp/CbI/Ftr/Psd (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	56.08	Pk	31.9	-21.1	66.88	-	-	74	-7.12	142	103	H
2	* 2.38992	57.77	Pk	31.9	-21.1	68.57	-	-	74	-5.43	142	103	H
3	* 2.38999	29.34	RMS	31.9	-21.1	40.14	54	-13.86	-	-	142	103	H
4	* 2.38962	33.26	RMS	31.9	-21.1	44.06	54	-9.94	-	-	142	103	H

VERTICAL 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	* 2.38999	50.87	Pk	31.9	-21.1	61.67	-	-	74	-12.33	81	372	V
2	* 2.38977	55.1	Pk	31.9	-21.1	65.9	-	-	74	-8.1	81	372	V
3	* 2.38999	29.15	RMS	31.9	-21.1	39.95	54	-14.05	-	-	81	372	V
4	* 2.38925	31.65	RMS	31.9	-21.1	42.45	54	-11.55	-	-	81	372	V