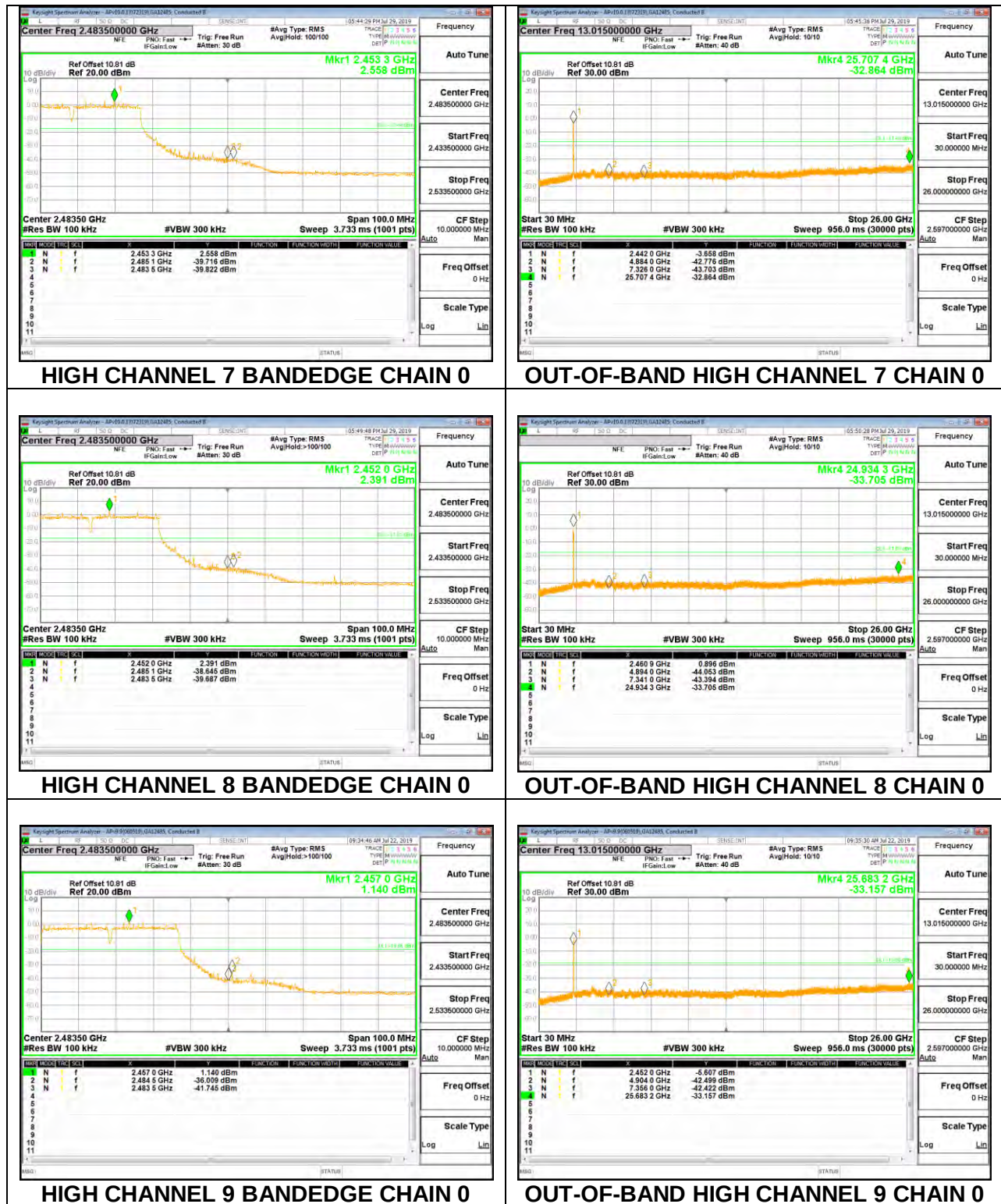
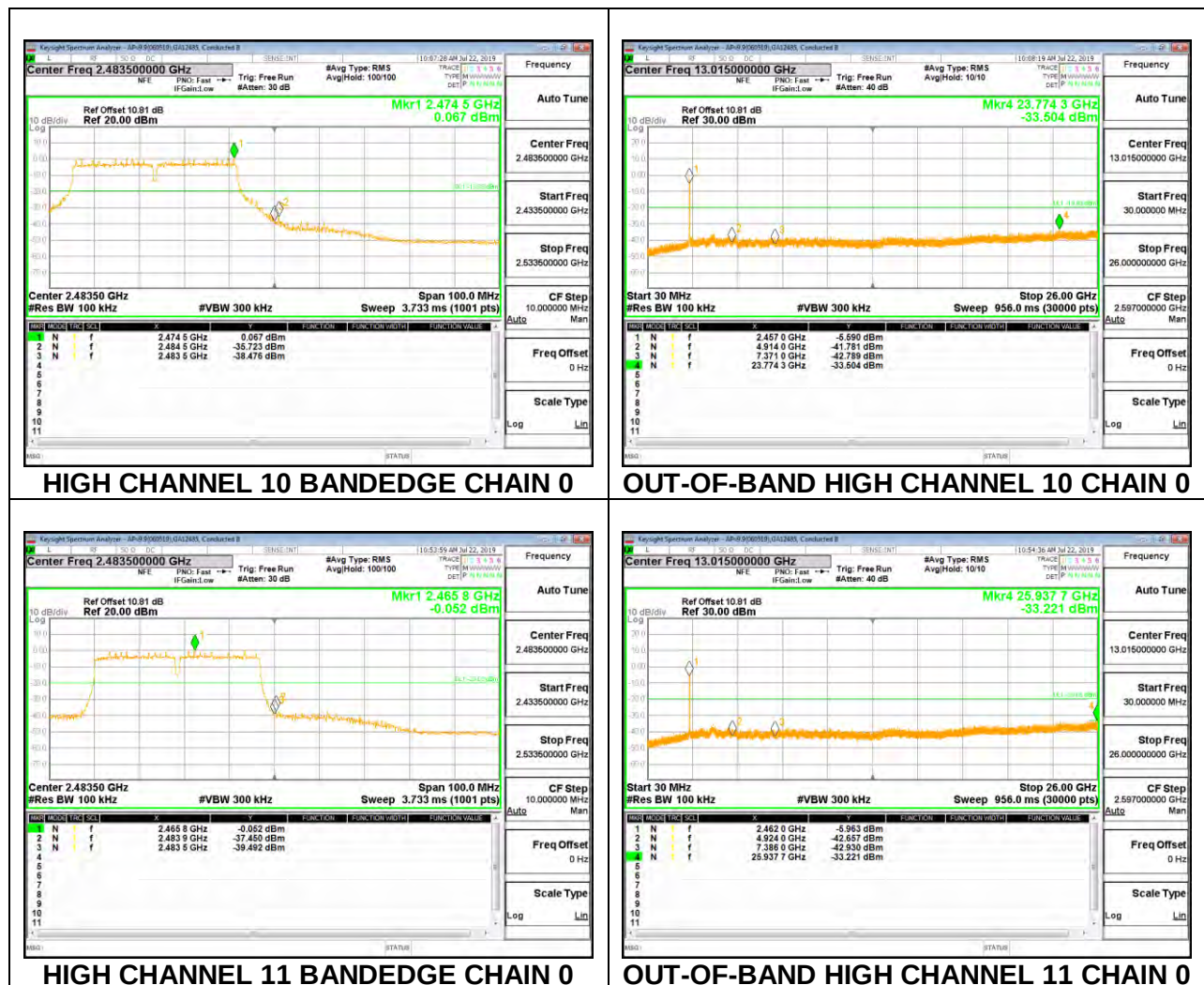
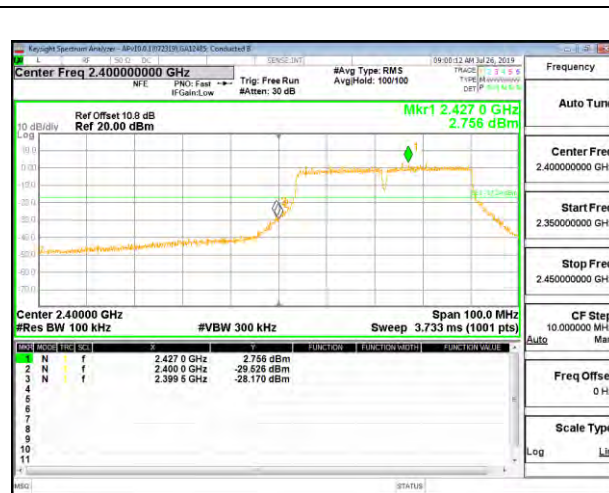
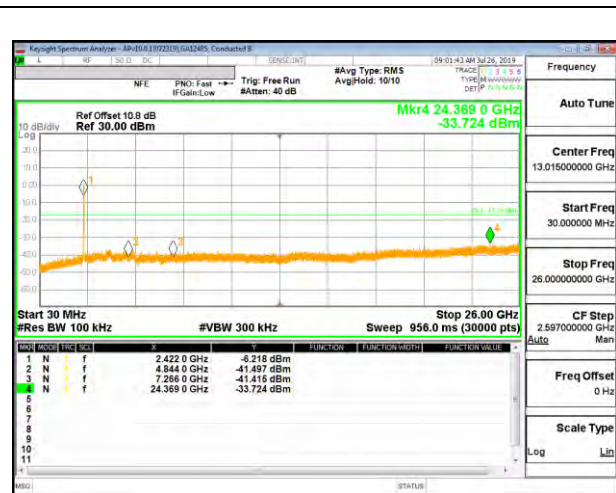




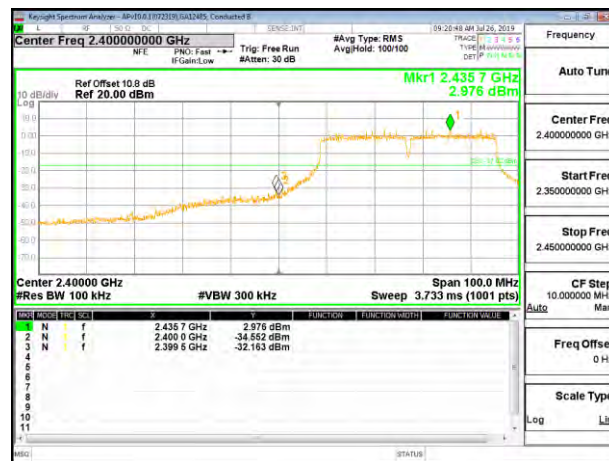




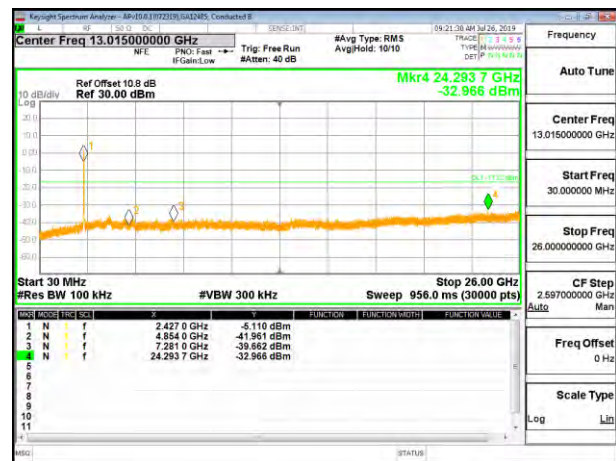
LOW CHANNEL 3 BANDEDGE CHAIN 1



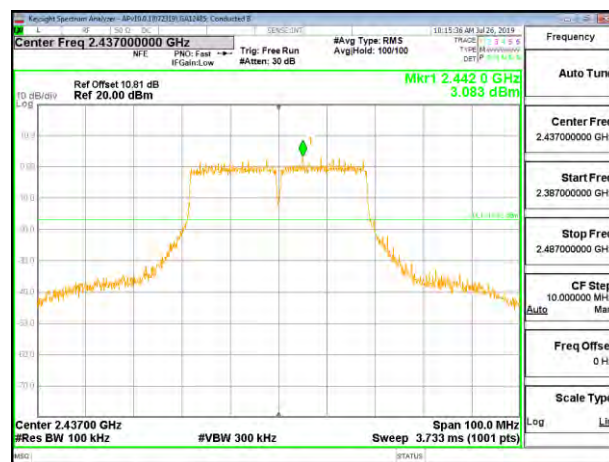
OUT-OF-BAND LOW CHANNEL 3 CHAIN 1



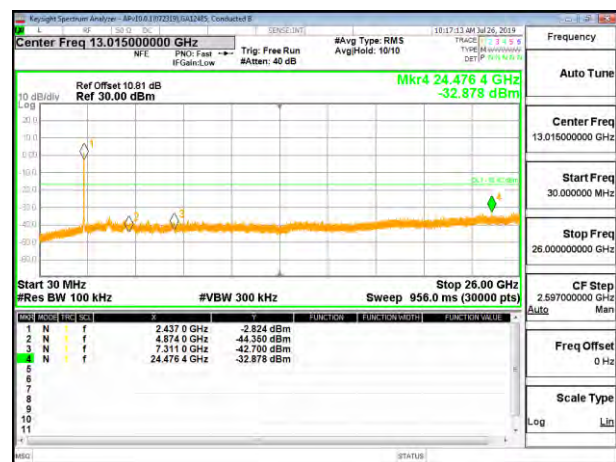
LOW CHANNEL 4 BANDEDGE CHAIN 1



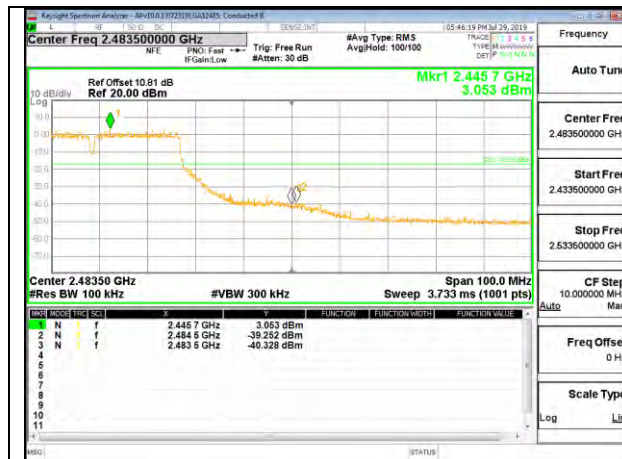
OUT-OF-BAND LOW CHANNEL 4 CHAIN 1



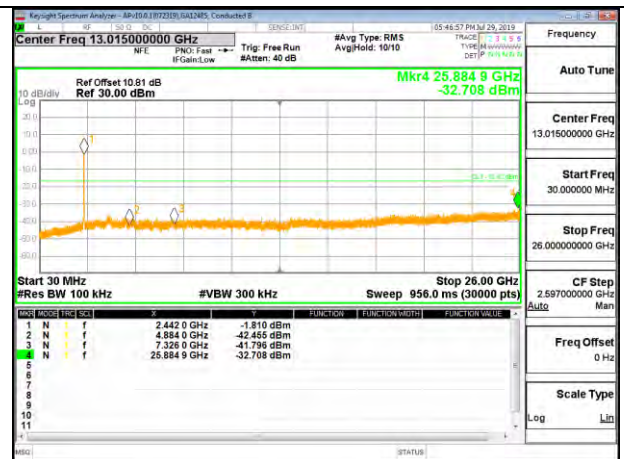
IN-BAND REFERENCE LEVEL CHAIN 1



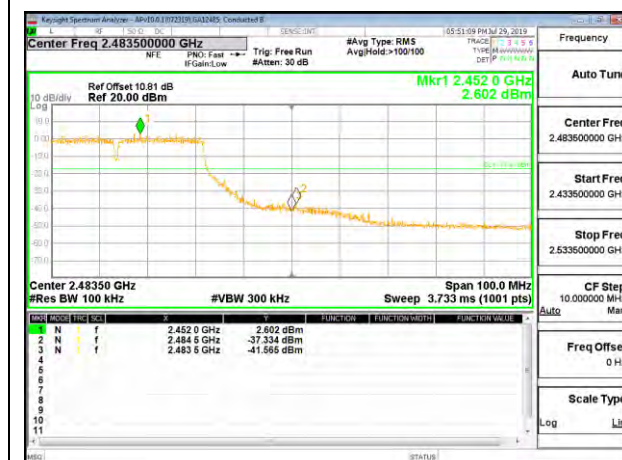
OUT-OF-BAND MID CHANNEL CHAIN 1



HIGH CHANNEL 7 BANDEDGE CHAIN 1



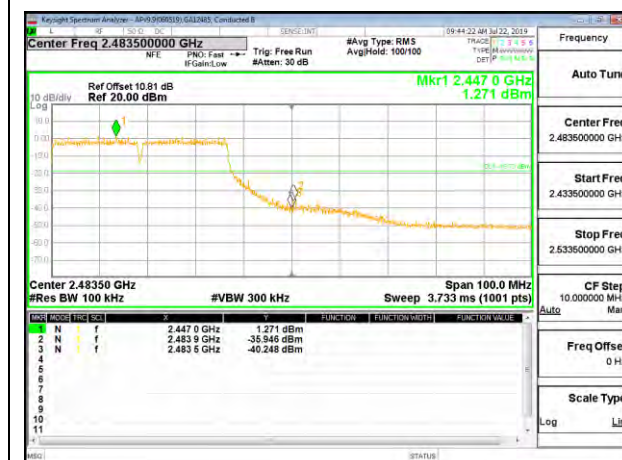
OUT-OF-BAND HIGH CHANNEL 7 CHAIN 1



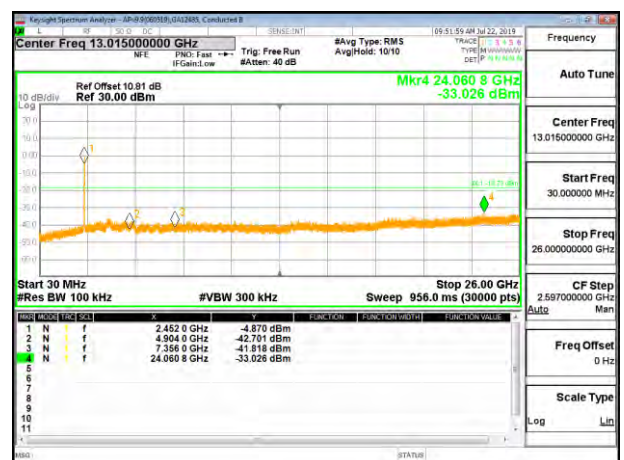
HIGH CHANNEL 8 BANDEDGE CHAIN 1



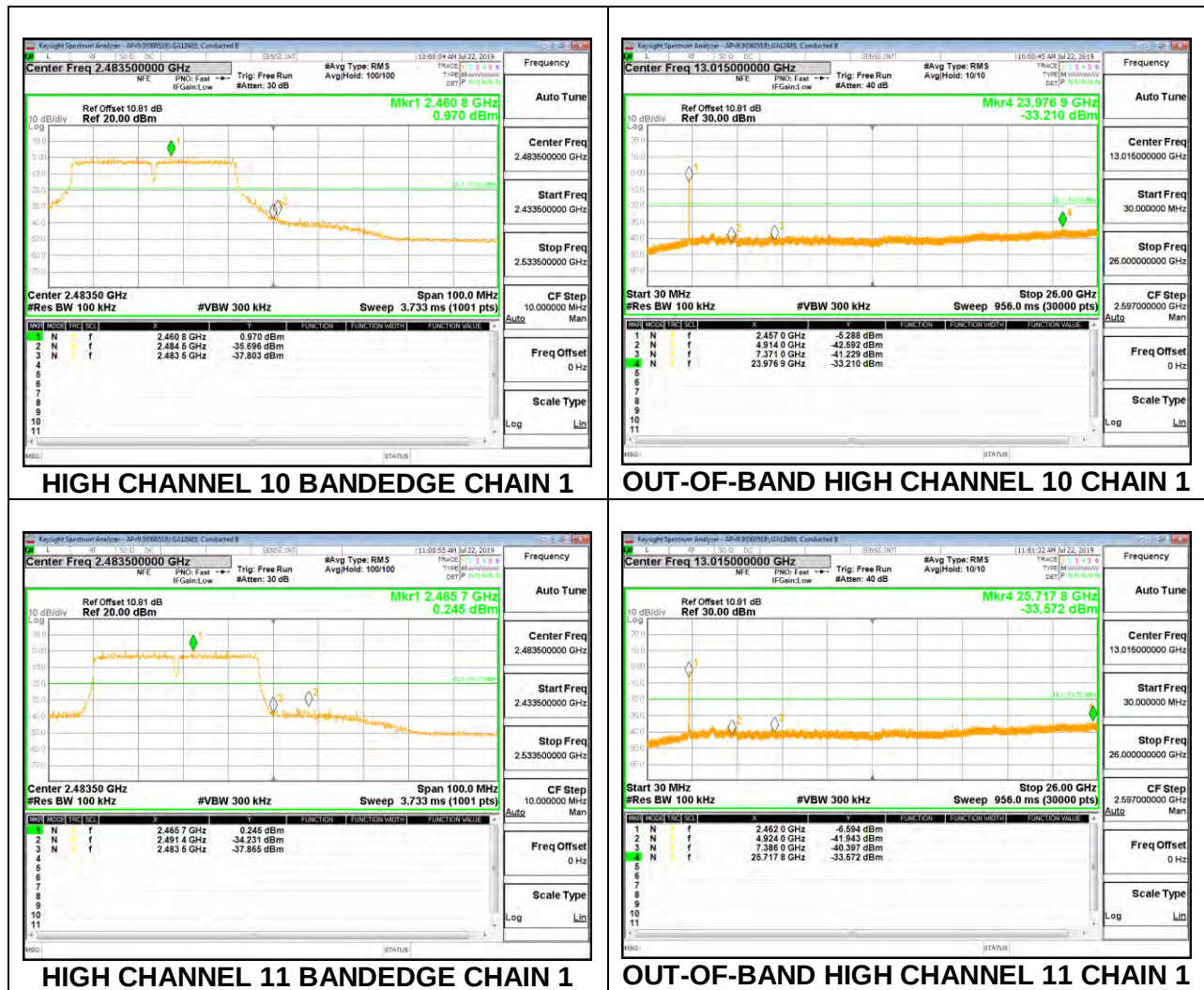
OUT-OF-BAND HIGH CHANNEL 8 CHAIN 1



HIGH CHANNEL 9 BANDEDGE CHAIN 1



OUT-OF-BAND HIGH CHANNEL 9 CHAIN 1



9. 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 30MHz, 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.

2D antenna use - 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.

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.

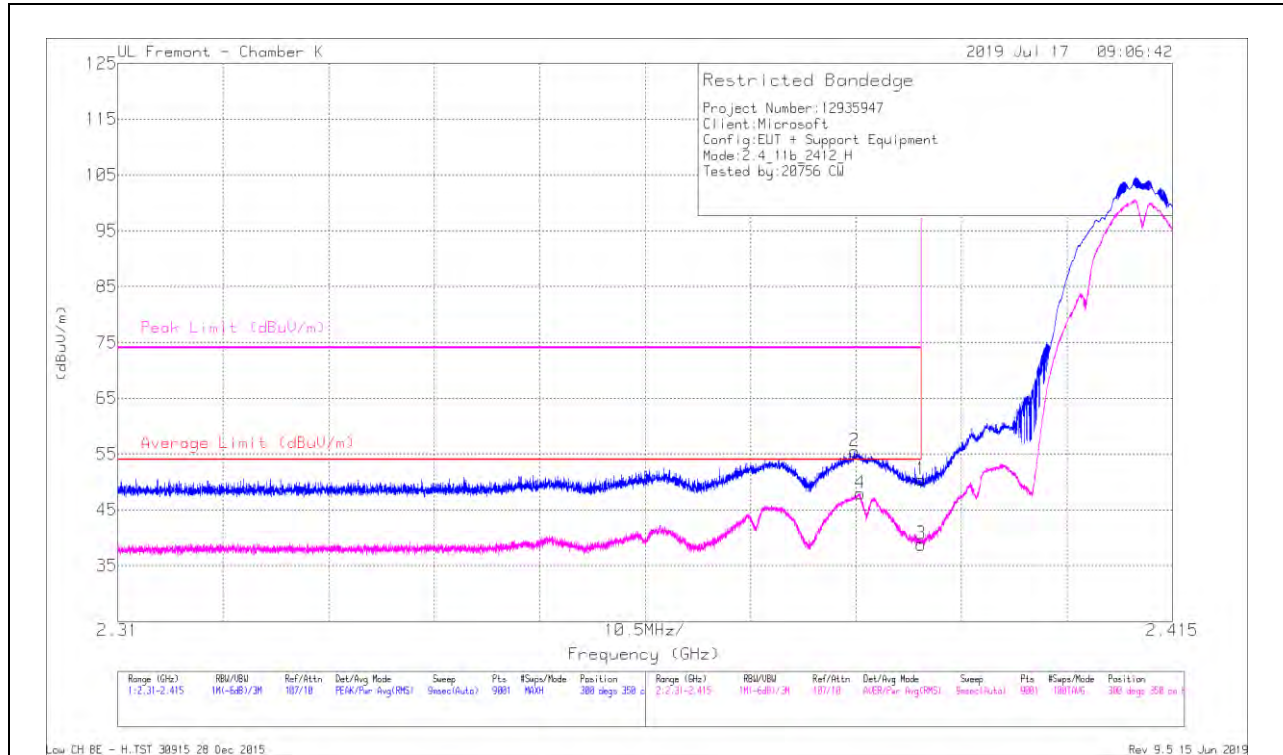
9.1. TRANSMITTER ABOVE 1 GHz

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

2TX Chain 0 + Chain 1 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



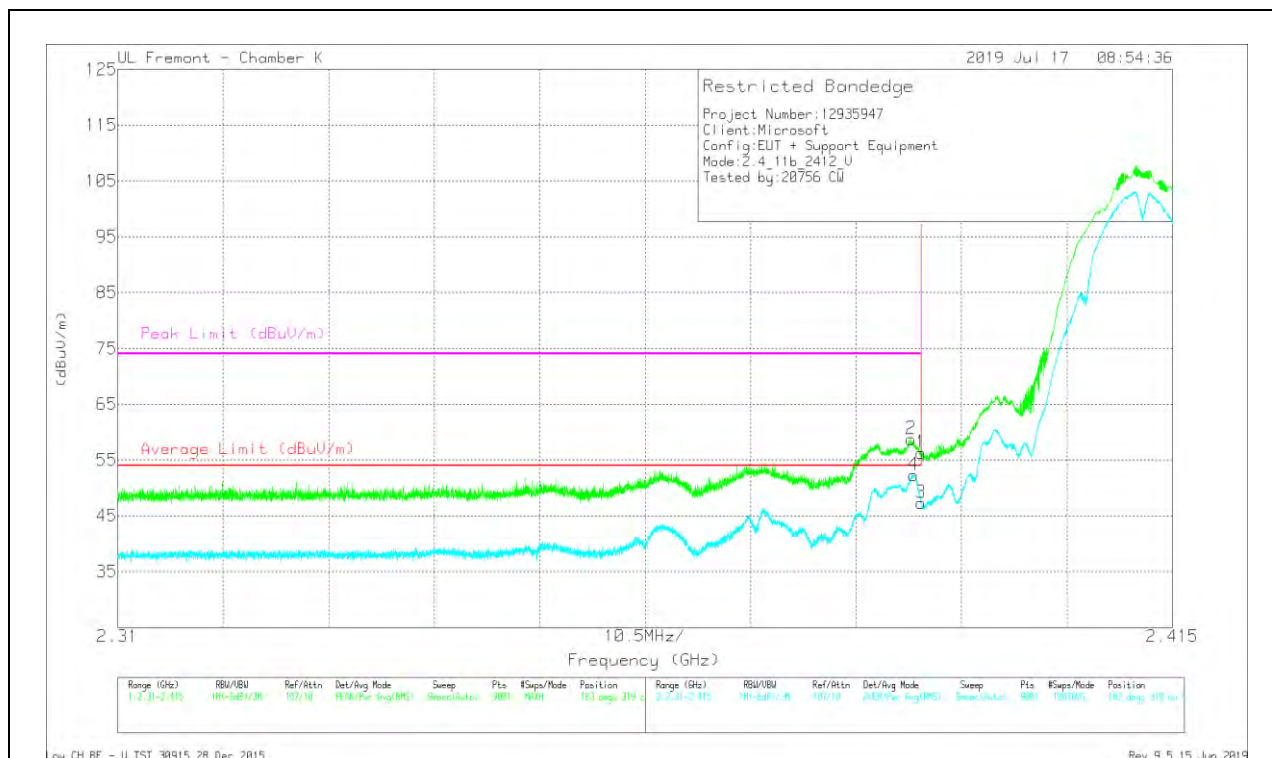
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	43.17	Pk	31.9	-24.7	50.37	-	-	74	-23.63	300	350	H
2	* 2.38334	48.23	Pk	31.9	-24.6	55.53	-	-	74	-18.47	300	350	H
3	* 2.38999	31.61	RMS	31.9	-24.7	38.81	54	-15.19	-	-	300	350	H
4	* 2.3839	40.59	RMS	31.9	-24.6	47.89	54	-6.11	-	-	300	350	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 EMC4294 (dB/m)	Amp/Cbl/Ftr /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	* 2.38999	49.04	Pk	31.9	-24.7	56.24	-	-	74	-17.76	183	319	V
2	* 2.389	51.56	Pk	31.9	-24.7	58.76	-	-	74	-15.24	183	319	V
3	* 2.38999	40.08	RMS	31.9	-24.7	47.28	54	-6.72	-	-	183	319	V
4	* 2.38923	45.12	RMS	31.9	-24.7	52.32	54	-1.68	-	-	183	319	V

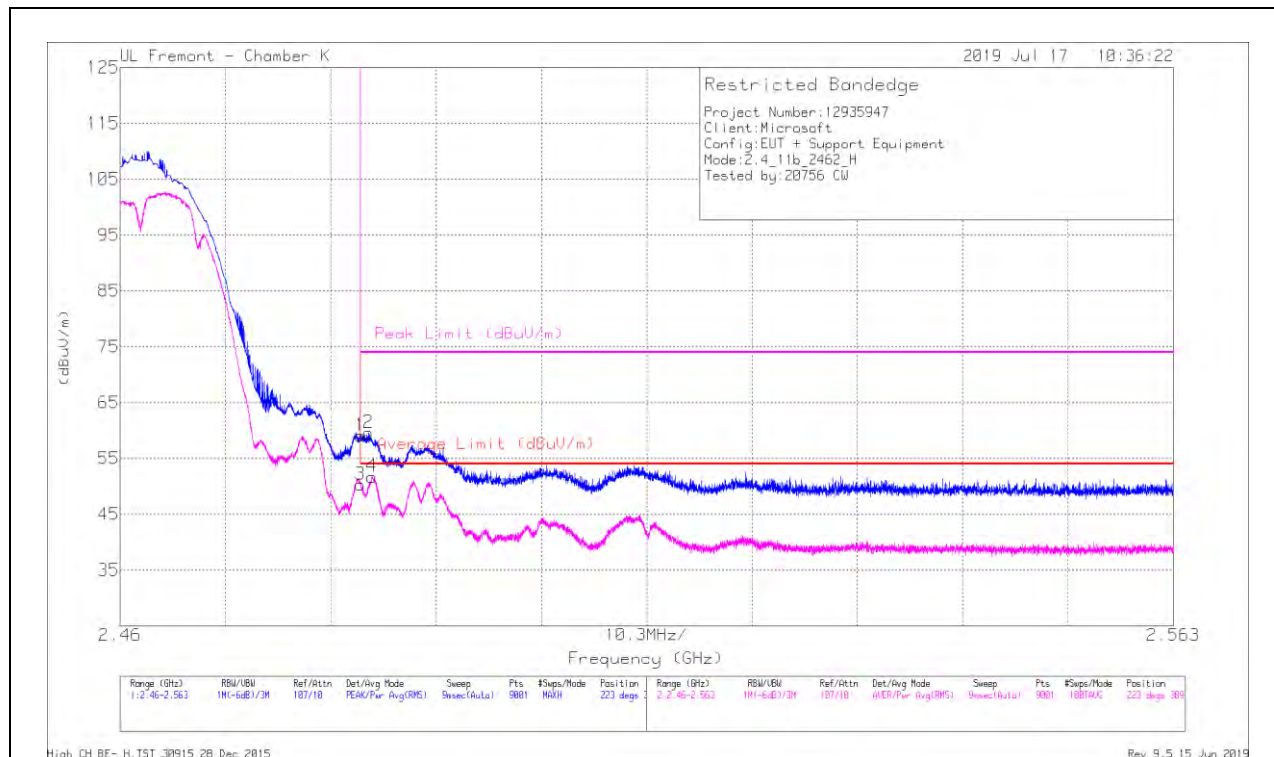
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

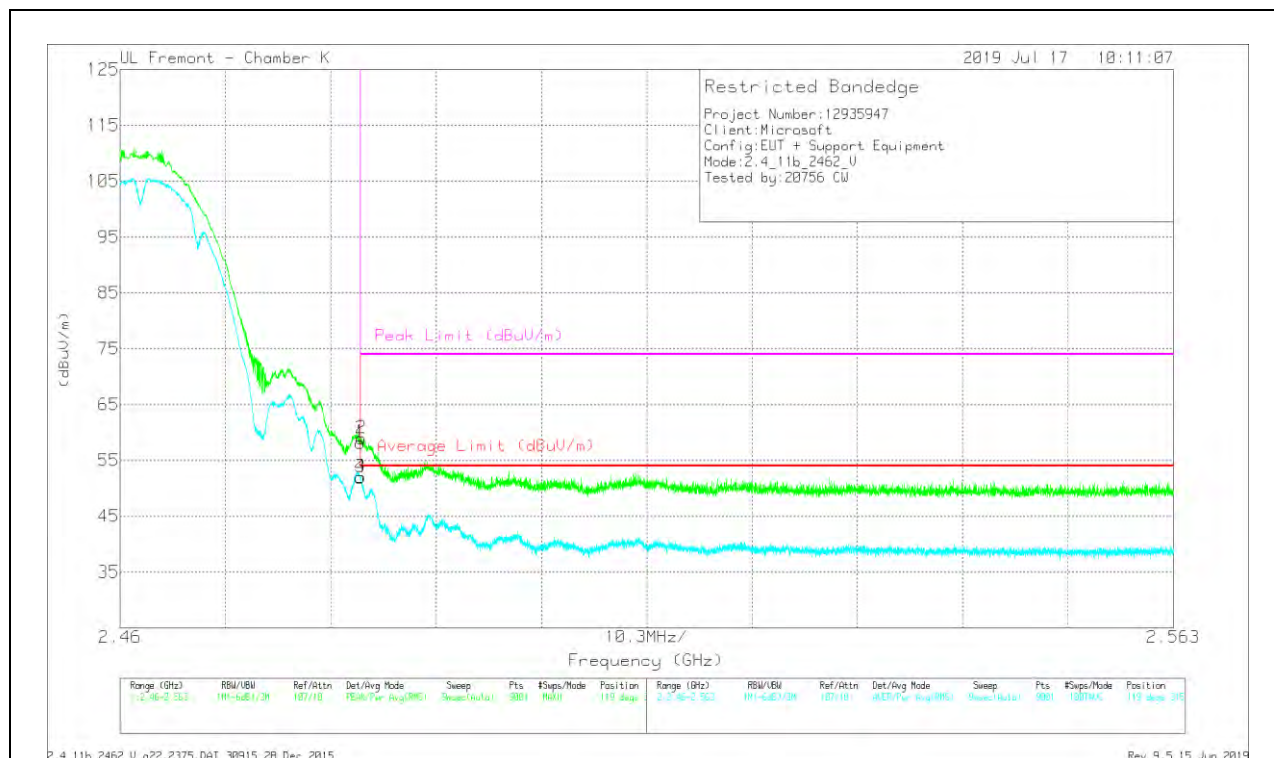
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (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	51.39	Pk	32.5	-24.8	59.09	-	-	74	-14.91	223	389	H
2	* 2.48426	51.84	Pk	32.5	-24.8	59.54	-	-	74	-14.46	223	389	H
3	* 2.48351	42.59	RMS	32.5	-24.8	50.29	54	-3.71	-	-	223	389	H
4	* 2.48463	44	RMS	32.5	-24.8	51.7	54	-2.3	-	-	223	389	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 EMC4294 (dB/m)	Amp/Cbl/Ftr /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	50.48	Pk	32.5	-24.8	58.18	-	-	74	-15.82	119	315	V
2	* 2.48359	51.27	Pk	32.5	-24.8	58.97	-	-	74	-15.03	119	315	V
3	* 2.48351	44.28	RMS	32.5	-24.8	51.98	54	-2.02	-	-	119	315	V
4	* 2.48352	44.31	RMS	32.5	-24.8	52.01	54	-1.99	-	-	119	315	V

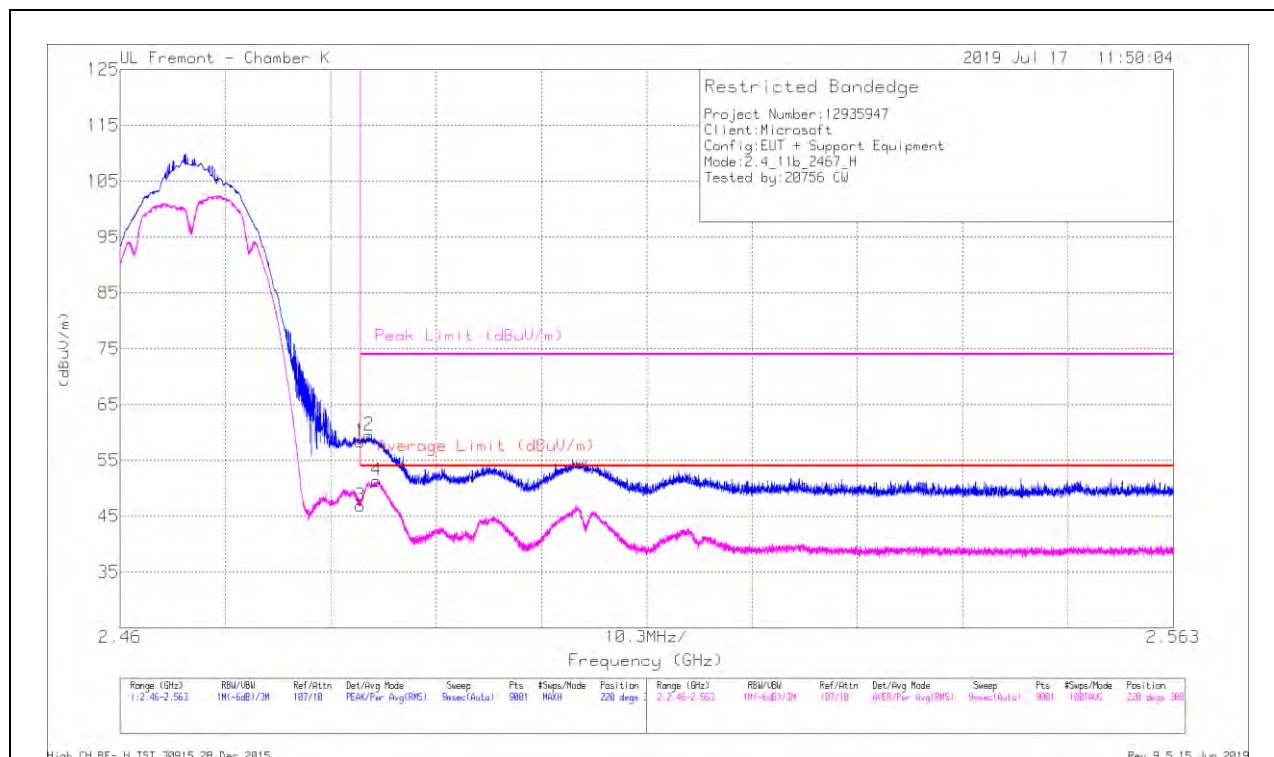
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

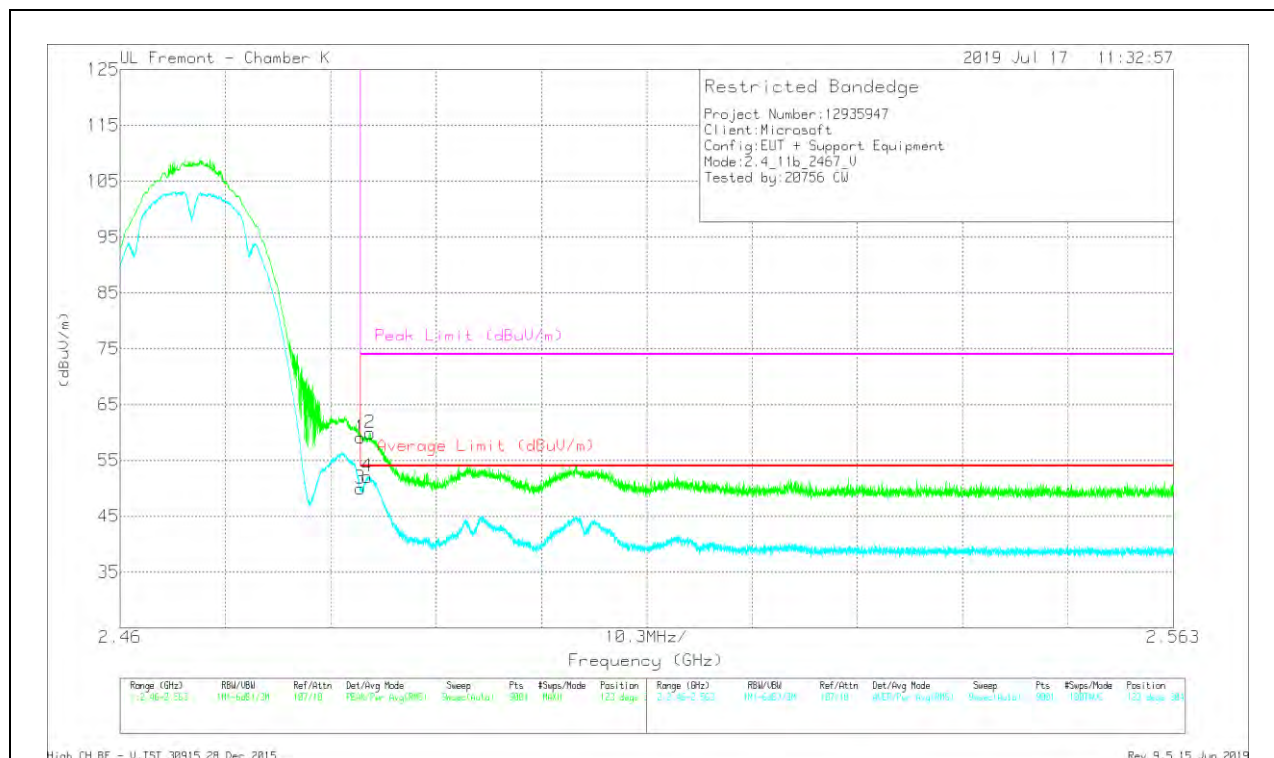
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (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	50.67	Pk	32.5	-24.8	58.37	-	-	74	-15.63	220	388	H
2	* 2.48435	51.78	Pk	32.5	-24.8	59.48	-	-	74	-14.52	220	388	H
3	* 2.48351	39.19	RMS	32.5	-24.8	46.89	54	-7.11	-	-	220	388	H
4	* 2.4851	43.65	RMS	32.5	-24.8	51.35	54	-2.65	-	-	220	388	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 EMC4294 (dB/m)	Amp/Cbl/Ftr /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	51.39	Pk	32.5	-24.8	59.09	-	-	74	-14.91	123	304	V
2	* 2.48443	52.19	Pk	32.5	-24.8	59.89	-	-	74	-14.11	123	304	V
3	* 2.48351	42.28	RMS	32.5	-24.8	49.98	54	-4.02	-	-	123	304	V
4	* 2.48416	44.39	RMS	32.5	-24.8	52.09	54	-1.91	-	-	123	304	V

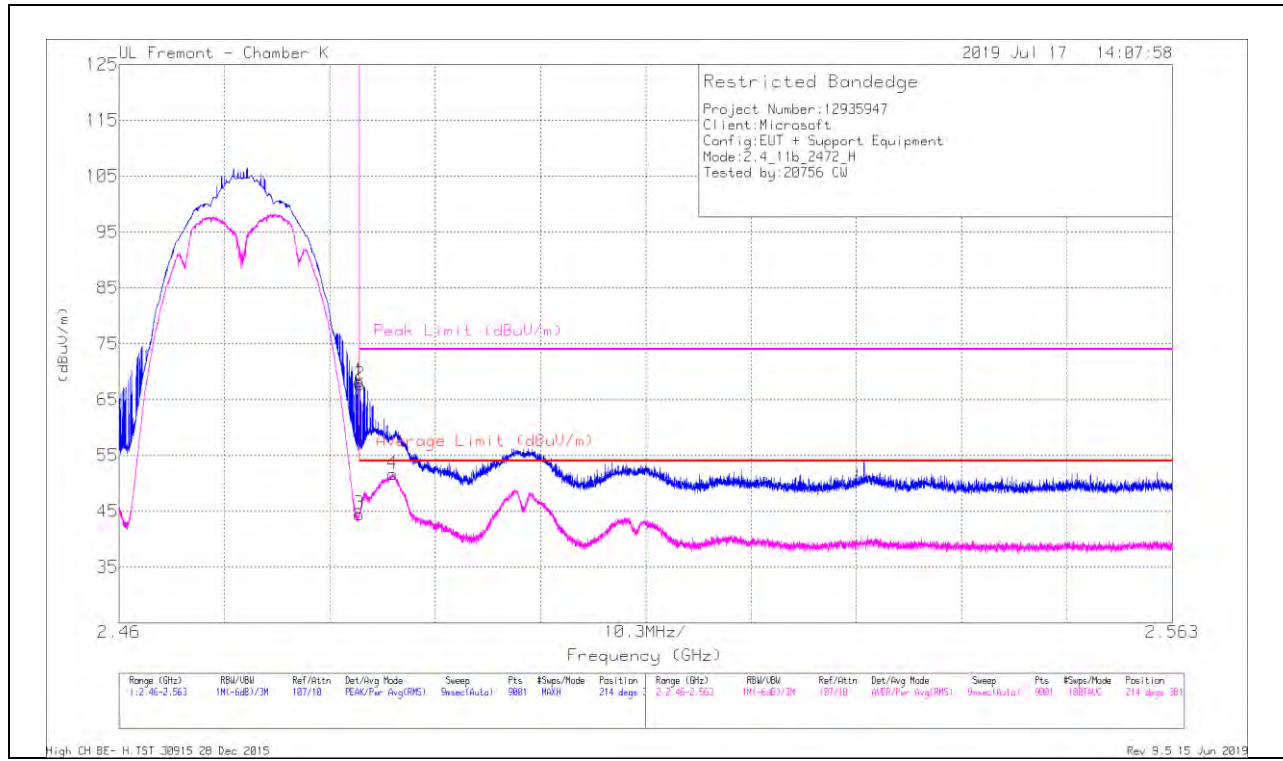
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

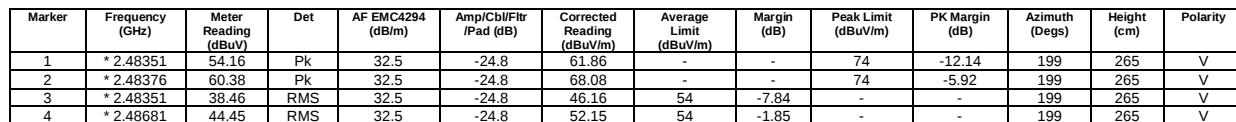


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	60.58	Pk	32.5	-24.8	68.28	-	-	74	-5.72	214	381	H
2	* 2.48354	60.04	Pk	32.5	-24.8	67.74	-	-	74	-6.26	214	381	H
3	* 2.48351	36.8	RMS	32.5	-24.8	44.5	54	-9.5	-	-	214	381	H
4	* 2.48676	44	RMS	32.5	-24.8	51.7	54	-2.3	-	-	214	381	H

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

Pk - Peak detector

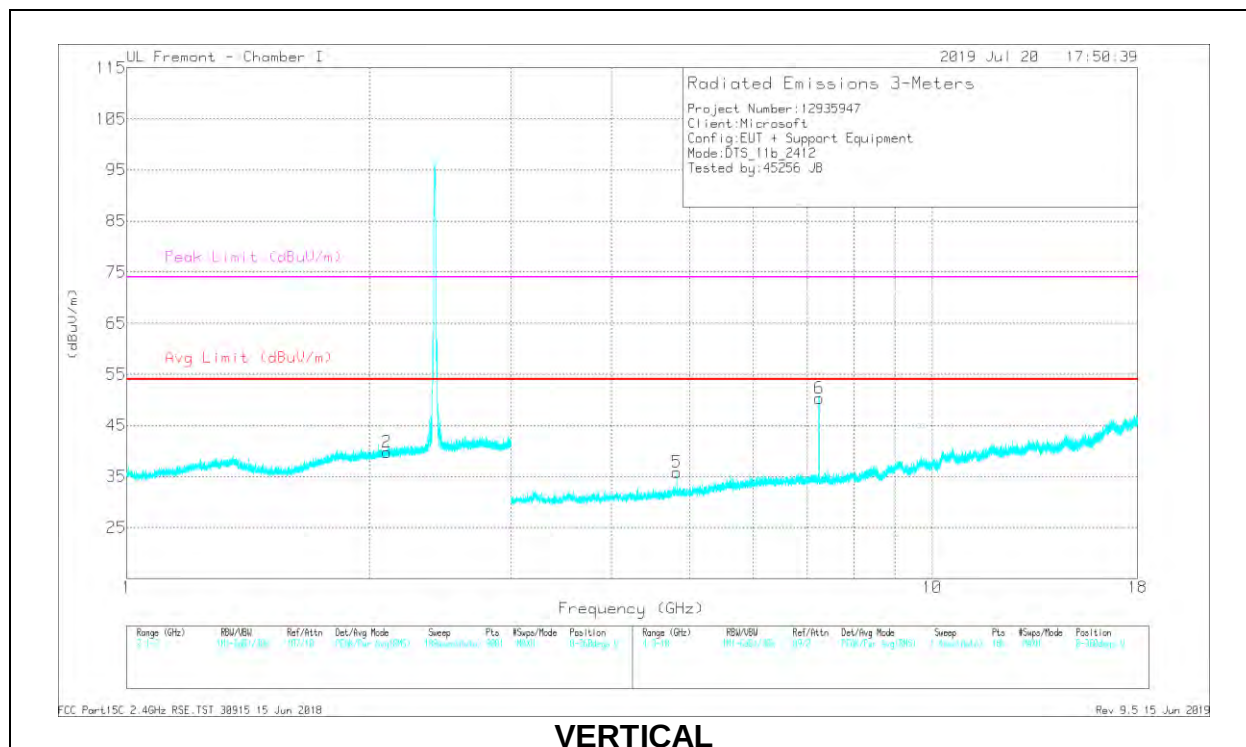
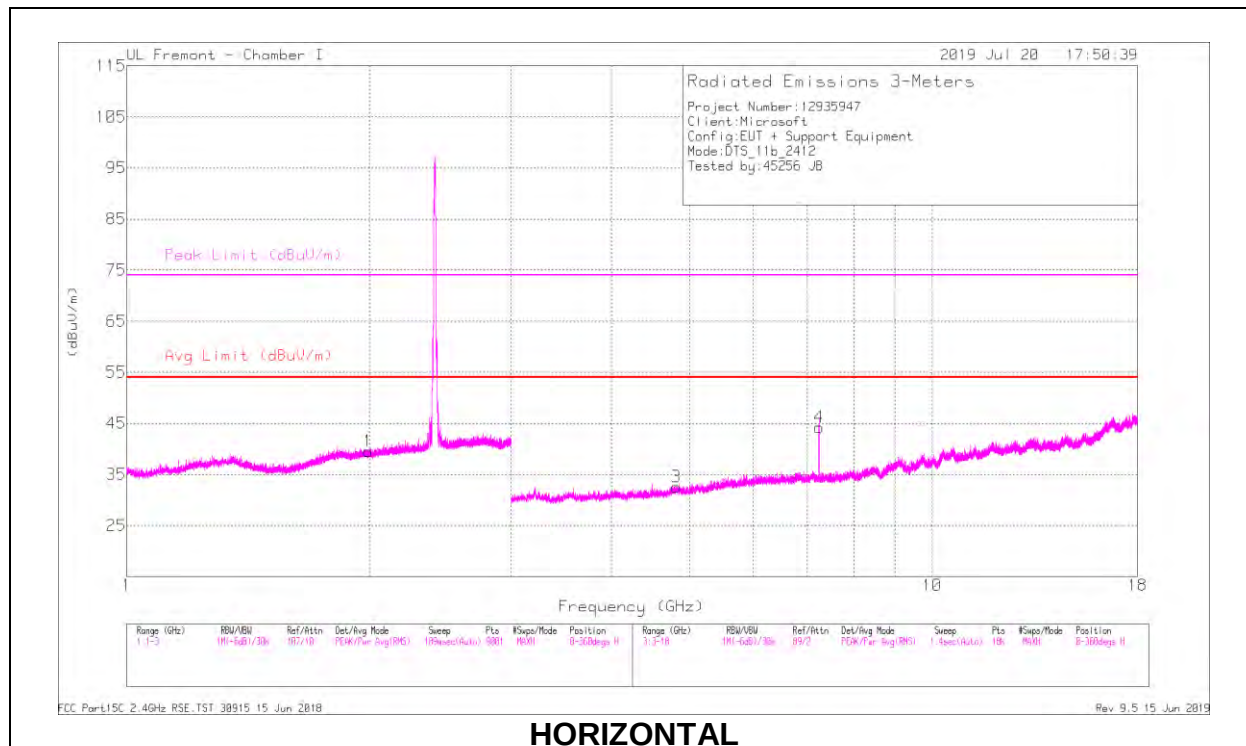
RMS - RMS detection



Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

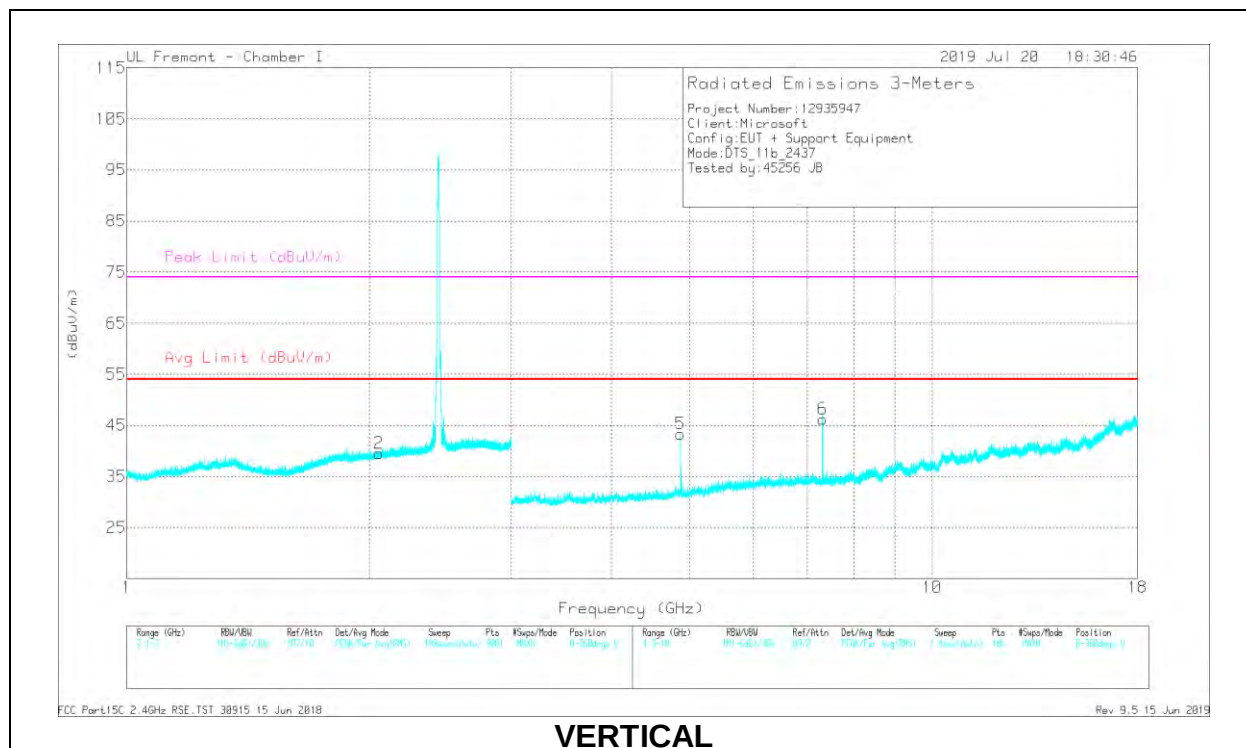
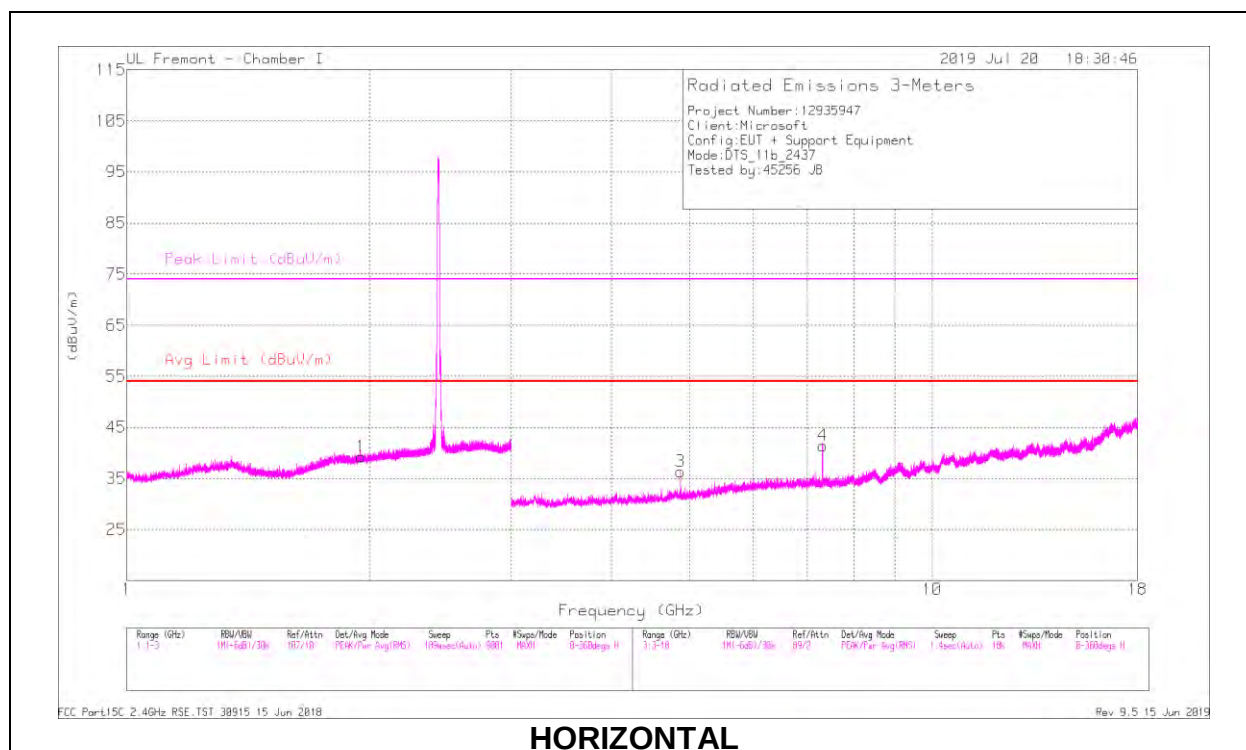
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.81384	33.63	PK2	34.1	-28.3	0	39.43	-	-	74	-34.57	70	178	H
	* 4.81412	23.83	MAv1	34.1	-28.3	0	29.63	54	-24.37	-	-	70	178	H
5	* 4.8247	36.5	PK2	34.1	-28.3	0	42.3	-	-	74	-31.7	232	273	V
	* 4.82479	31.48	MAv1	34.1	-28.3	0	37.28	54	-16.72	-	-	232	273	V
1	1.99444	31.22	Pk	30.9	-22.6	0	39.52	-	-	-	-	0-360	199	H
2	2.10333	30.97	Pk	31.1	-22.3	0	39.77	-	-	-	-	0-360	199	V
4	7.2394	34.45	Pk	35.6	-25.8	0	44.25	-	-	-	-	0-360	198	H
6	7.2394	40.44	Pk	35.6	-25.8	0	50.24	-	-	-	-	0-360	198	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

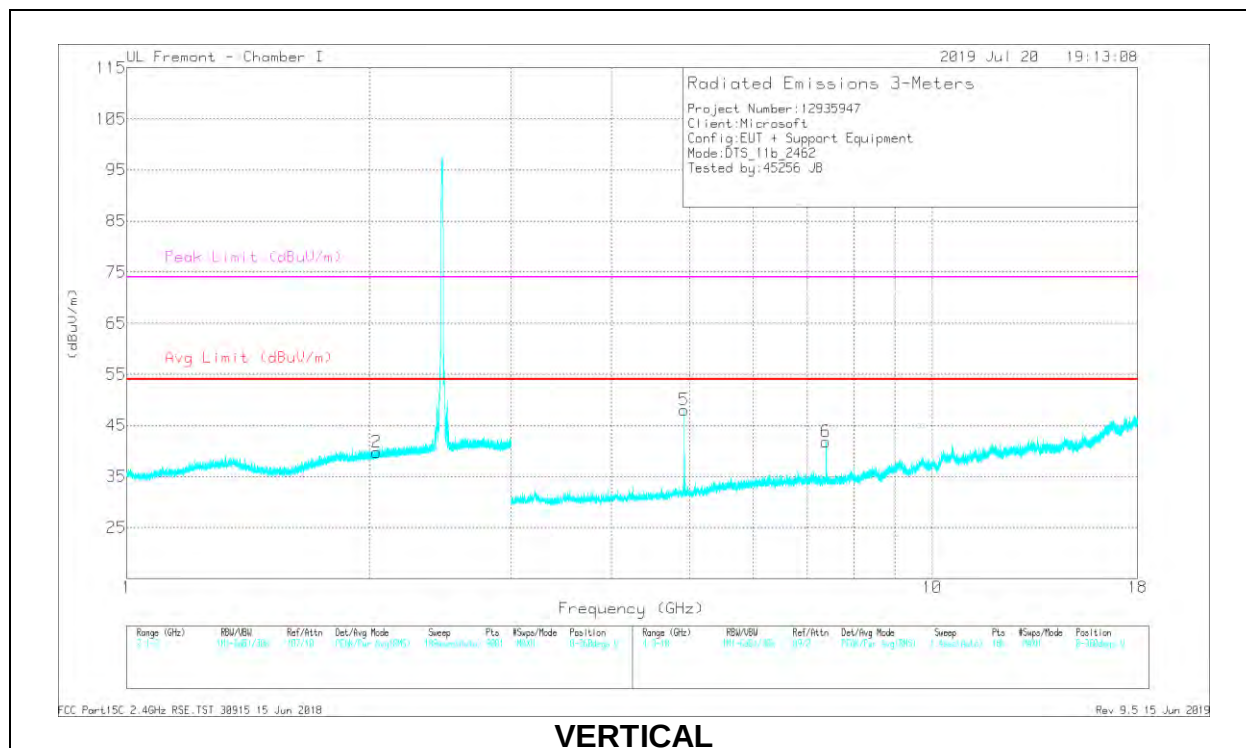
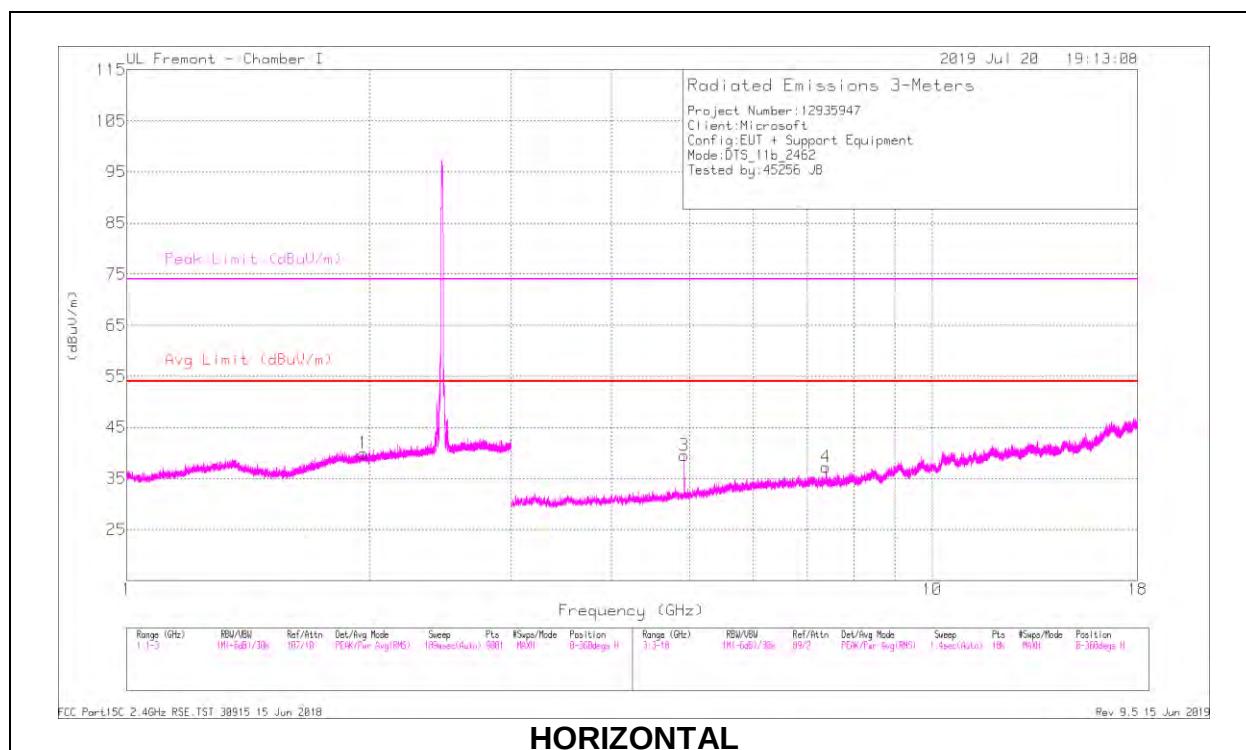
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filt/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.35714	41.75	PK2	29.6	-23.8	47.55	-	-	74	-26.45	83	257	H
	* 1.35747	31.41	MAv1	29.6	-23.8	37.21	54	-16.79	-	-	83	257	H
2	* 1.35254	39.88	PK2	29.6	-23.9	45.58	-	-	74	-28.42	173	169	V
	* 1.35413	31.19	MAv1	29.6	-23.8	36.99	54	-17.01	-	-	173	169	V
3	* 4.87409	43.97	PK2	34.2	-30.5	47.67	-	-	74	-26.33	236	315	H
	* 4.87401	41.43	MAv1	34.2	-30.5	45.13	54	-8.87	-	-	236	315	H
4	* 7.30957	46.7	PK2	35.6	-26.3	56	-	-	74	-18	100	336	H
	* 7.31297	41.27	MAv1	35.6	-26.3	50.57	54	-3.43	-	-	100	336	H
5	* 4.87401	47.54	PK2	34.2	-30.5	51.24	-	-	74	-22.76	136	237	V
	* 4.87402	45.6	MAv1	34.2	-30.5	49.3	54	-4.7	-	-	136	237	V
6	* 7.31011	47.85	PK2	35.6	-26.3	57.15	-	-	74	-16.85	170	248	V
	* 7.31187	41.03	MAv1	35.6	-26.3	50.33	54	-3.67	-	-	170	248	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 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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	1.96689	31.45	Pk	31	-22.6	0	39.85	-	-	-	-	0-360	198	H
2	2.042	31.22	Pk	31	-22.5	0	39.72	-	-	-	-	0-360	198	V
3	* 4.92479	37.87	PK2	34.1	-29	0	42.97	-	-	74	-31.03	289	125	H
	* 4.92481	34.16	MAv1	34.1	-29	0	39.26	54	-14.74	-	-	289	125	H
4	* 7.3866	38.21	PK2	35.6	-25.1	0	48.71	-	-	74	-25.29	155	336	H
	* 7.38486	29.8	MAv1	35.6	-25.1	0	40.3	54	-13.7	-	-	155	336	H
5	* 4.9248	39.73	PK2	34.1	-29	0	44.83	-	-	74	-29.17	166	265	V
	* 4.92481	35.87	MAv1	34.1	-29	0	40.97	54	-13.03	-	-	166	265	V
6	* 7.38649	38.54	PK2	35.6	-25.1	0	49.04	-	-	74	-24.96	214	198	V
	* 7.38639	31.42	MAv1	35.6	-25.1	0	41.92	54	-12.08	-	-	214	198	V

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

PK2 - KDB558074 Method: Maximum Peak

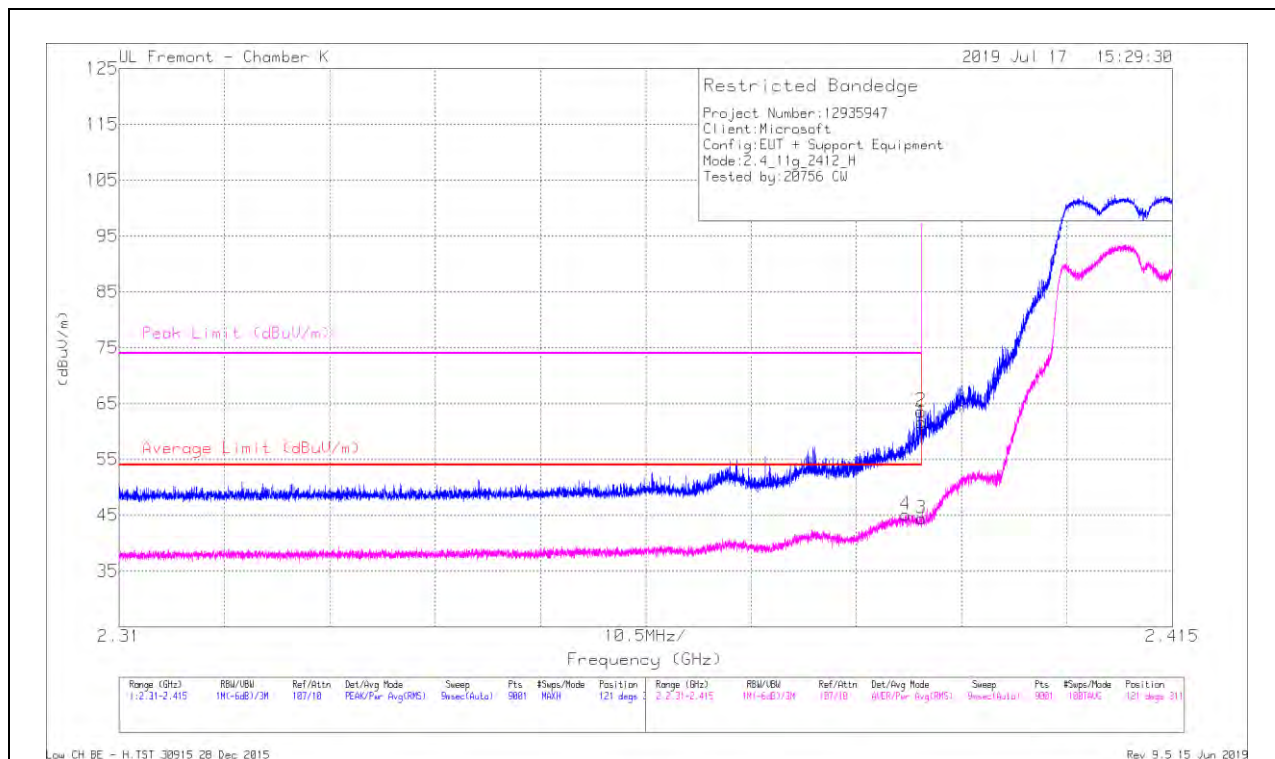
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

2TX Chain 0 + Chain 1 CDD MODE

BANDEGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



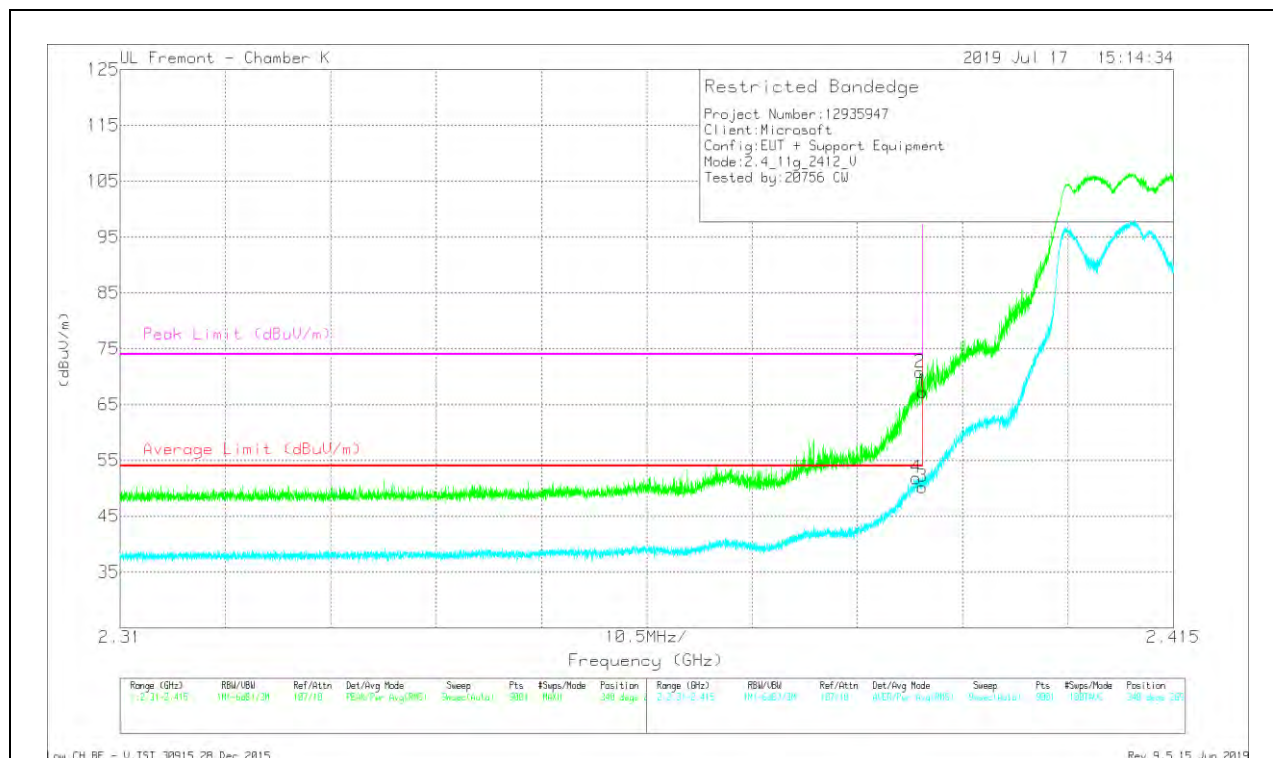
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Ampl/Cb/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	54.42	Pk	31.9	-24.7	61.62	-	-	74	-12.38	121	311	H
2	* 2.38994	56.42	Pk	31.9	-24.7	63.62	-	-	74	-10.38	121	311	H
3	* 2.38999	37.25	RMS	31.9	-24.7	44.45	54	-9.55	-	-	121	311	H
4	* 2.38843	37.81	RMS	31.9	-24.6	45.11	54	-8.89	-	-	121	311	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 EMC4294 (dB/m)	Amp/Cbll/Ftr /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	* 2.38999	60.07	Pk	31.9	-24.7	67.27	-	-	74	-6.73	340	269	V
2	* 2.38972	63.56	Pk	31.9	-24.7	70.76	-	-	74	-3.24	340	269	V
3	* 2.38999	43.05	RMS	31.9	-24.7	50.25	54	-3.75	-	-	340	269	V
4	* 2.38936	44.65	RMS	31.9	-24.7	51.85	54	-2.15	-	-	340	269	V

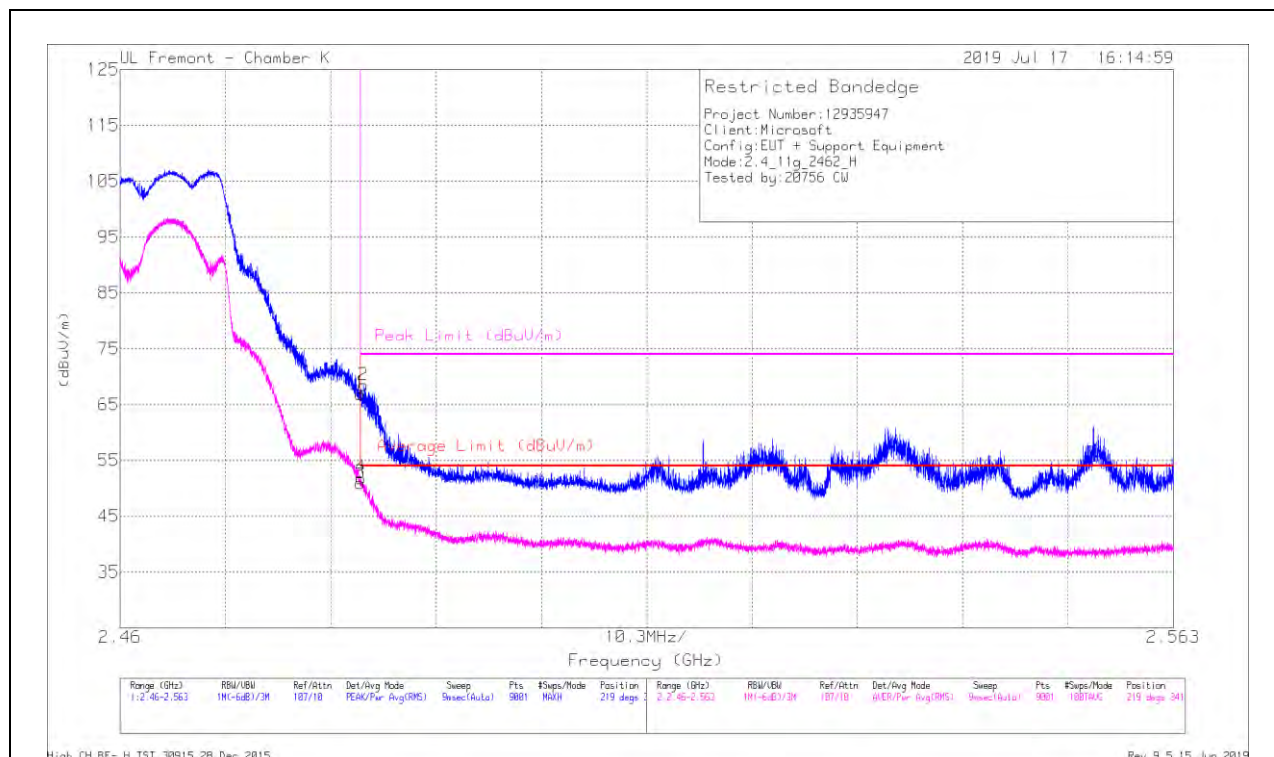
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



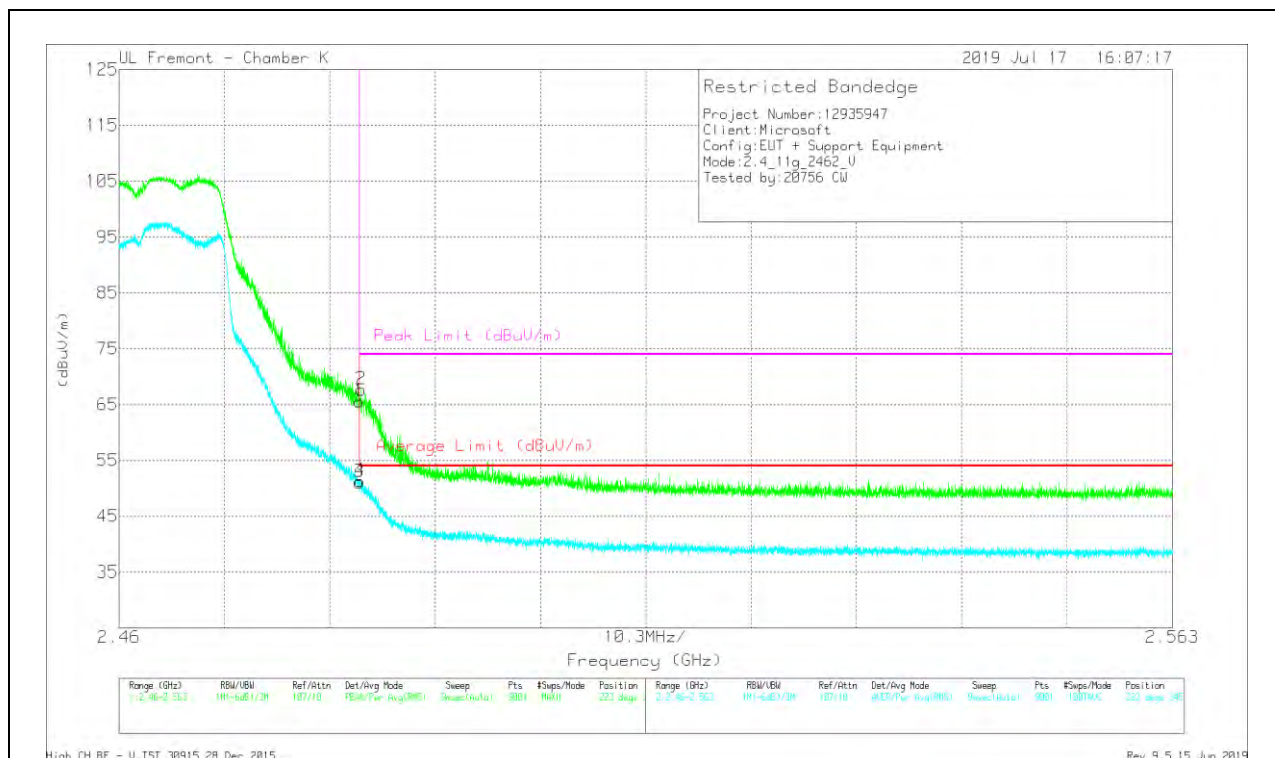
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	59.24	Pk	32.5	-24.8	66.94	-	-	74	-7.06	219	341	H
2	* 2.48378	60.76	Pk	32.5	-24.8	68.46	-	-	74	-5.54	219	341	H
3	* 2.48351	43.26	RMS	32.5	-24.8	50.96	54	-3.04	-	-	219	341	H
4	* 2.48354	44.12	RMS	32.5	-24.8	51.82	54	-2.18	-	-	219	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 EMC4294 (dB/m)	Amp/Cbl/Ftr /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	57.89	Pk	32.5	-24.8	65.59	-	-	74	-8.41	223	345	V
2	* 2.48367	60	Pk	32.5	-24.8	67.7	-	-	74	-6.3	223	345	V
3	* 2.48351	43.43	RMS	32.5	-24.8	51.13	54	-2.87	-	-	223	345	V
4	* 2.48354	43.6	RMS	32.5	-24.8	51.3	54	-2.7	-	-	223	345	V

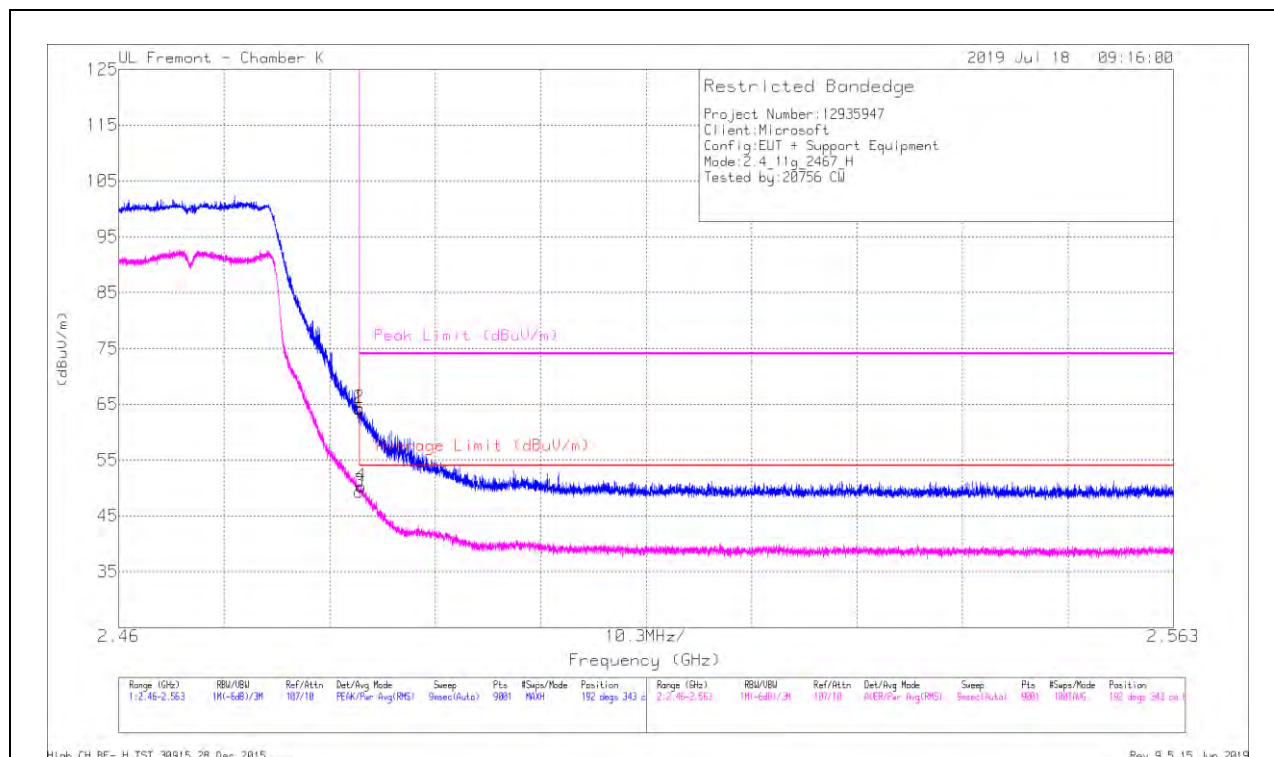
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



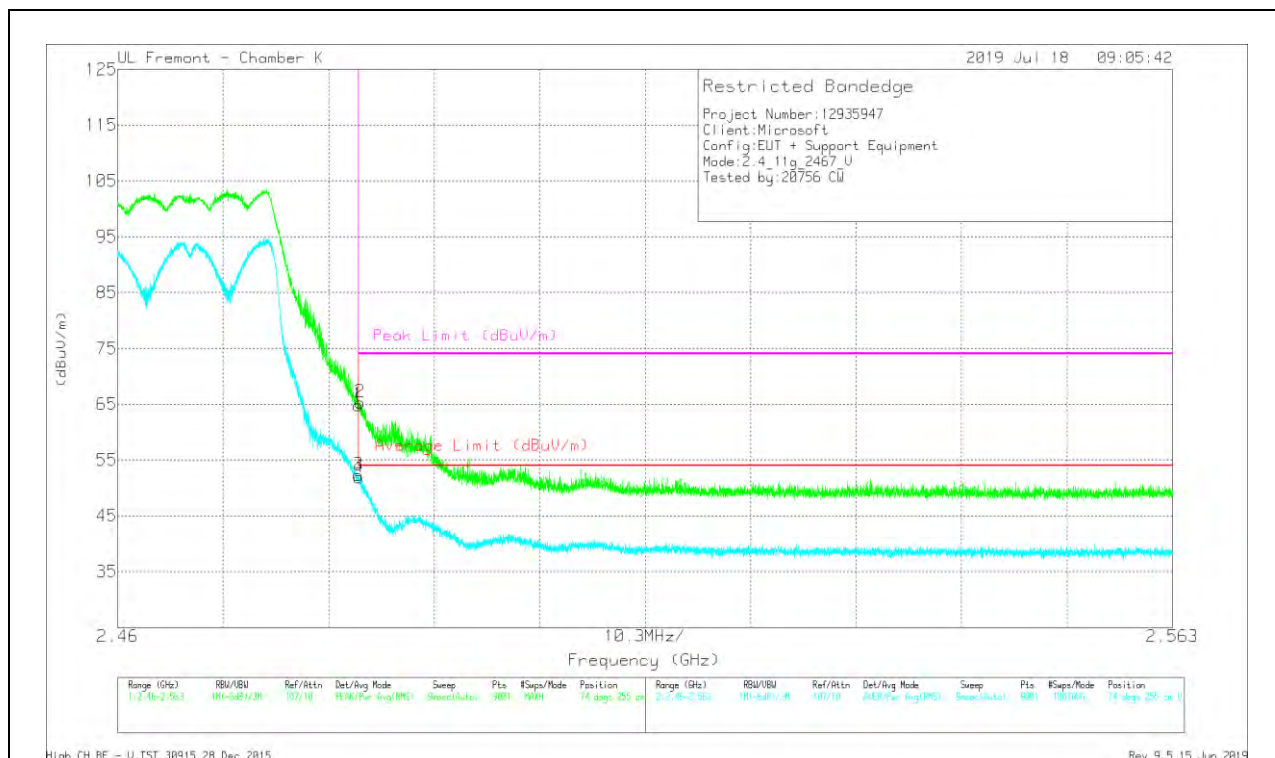
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	56.5	Pk	32.5	-24.8	64.2	-	-	74	-9.8	192	343	H
2	* 2.48352	56.65	Pk	32.5	-24.8	64.35	-	-	74	-9.65	192	343	H
3	* 2.48351	41.65	RMS	32.5	-24.8	49.35	54	-4.65	-	-	192	343	H
4	* 2.48366	42.64	RMS	32.5	-24.8	50.34	54	-3.66	-	-	192	343	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 EMC4294 (dB/m)	Amp/Cbll/Ftr /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	57.14	Pk	32.5	-24.8	64.84	-	-	74	-9.16	74	255	V
2	* 2.4837	57.67	Pk	32.5	-24.8	65.37	-	-	74	-8.63	74	255	V
3	* 2.48351	44.57	RMS	32.5	-24.8	52.27	54	-1.73	-	-	74	255	V
4	* 2.48353	44.16	RMS	32.5	-24.8	51.86	54	-2.14	-	-	74	255	V

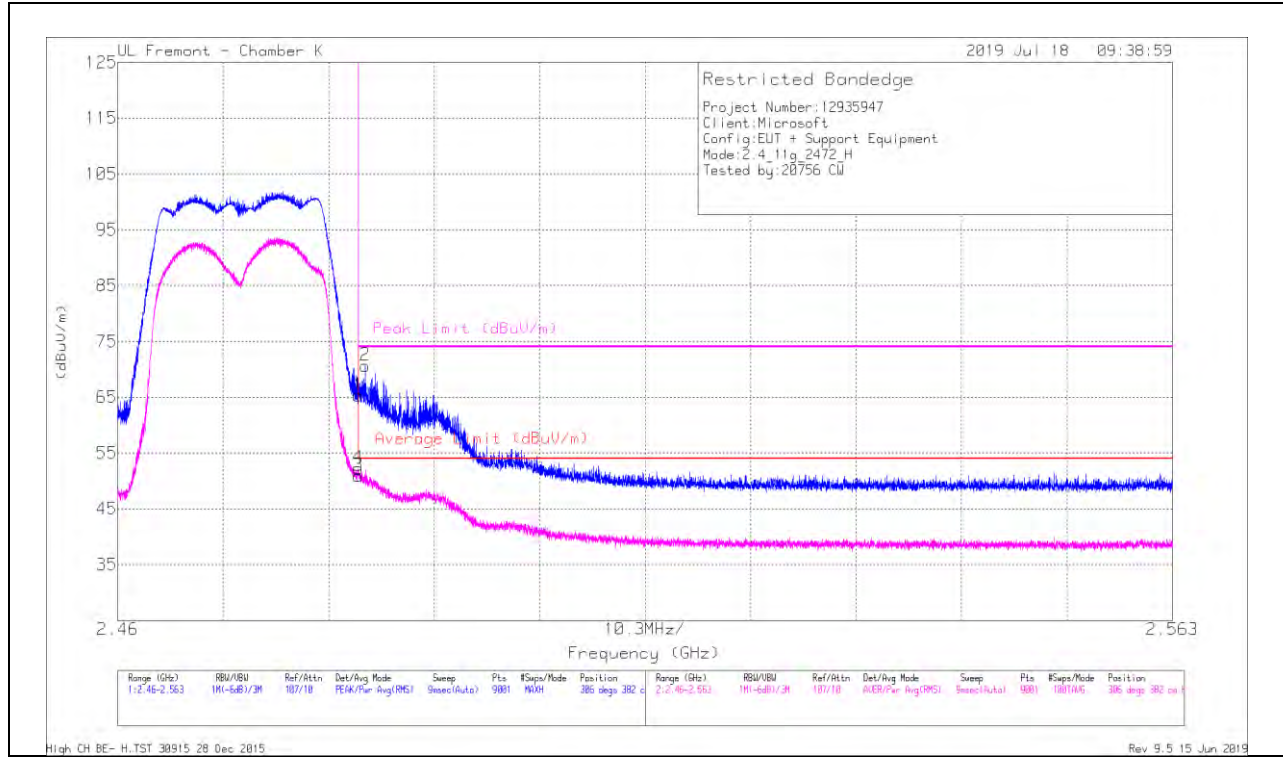
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

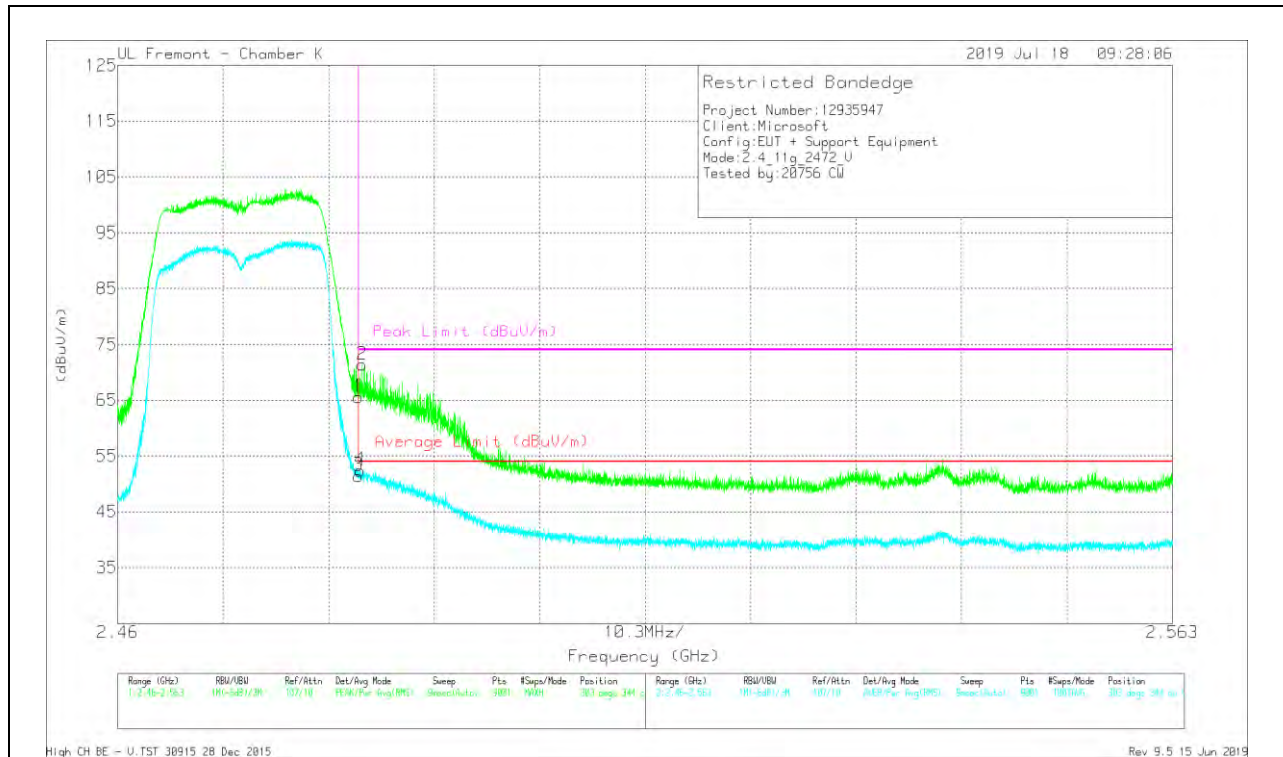
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (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	57.59	Pk	32.5	-24.8	65.29	-	-	74	-8.71	306	382	H
2	* 2.48418	62.9	Pk	32.5	-24.8	70.6	-	-	74	-3.4	306	382	H
3	* 2.48351	43.18	RMS	32.5	-24.8	50.88	54	-3.12	-	-	306	382	H
4	* 2.48352	44.62	RMS	32.5	-24.8	52.32	54	-1.68	-	-	306	382	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 EMC4294 (dB/m)	Amp/Cbll/Ftr /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	57.89	Pk	32.5	-24.8	65.59	-	-	74	-8.41	303	344	V
2	* 2.48386	63.65	Pk	32.5	-24.8	71.35	-	-	74	-2.65	303	344	V
3	* 2.48351	43.77	RMS	32.5	-24.8	51.47	54	-2.53	-	-	303	344	V
4	* 2.48369	44.76	RMS	32.5	-24.8	52.46	54	-1.54	-	-	303	344	V

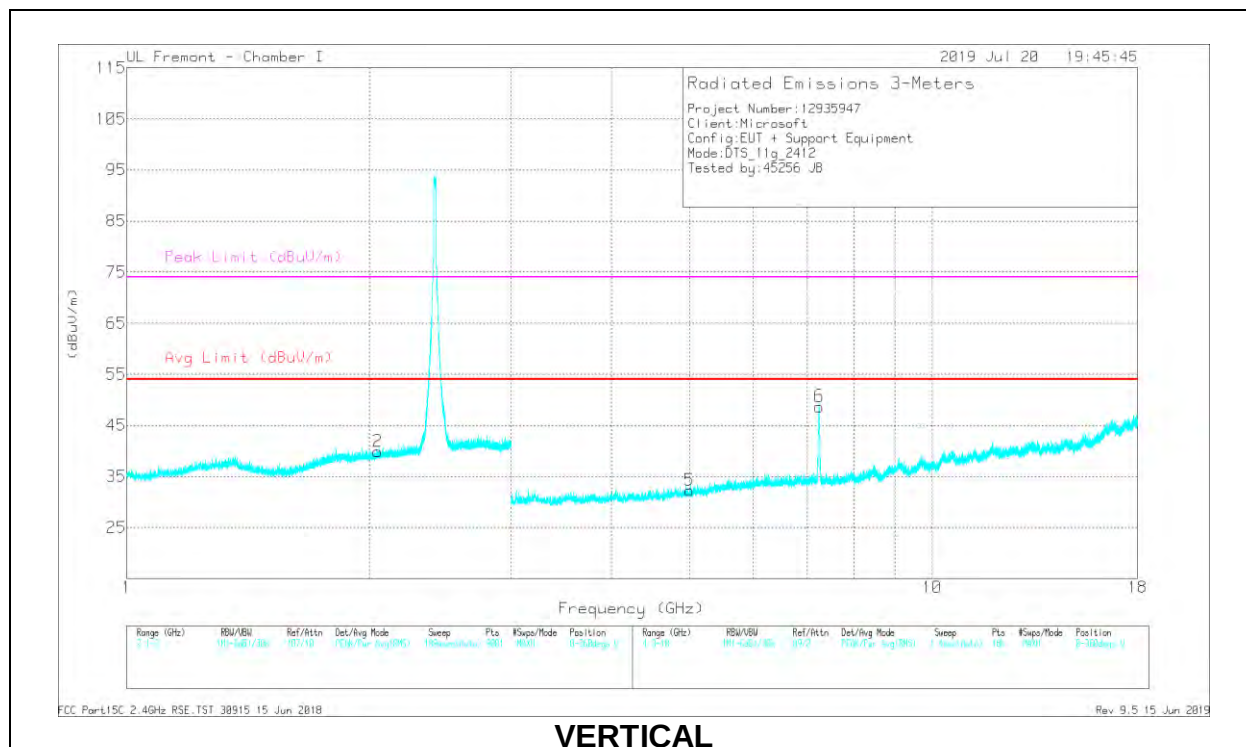
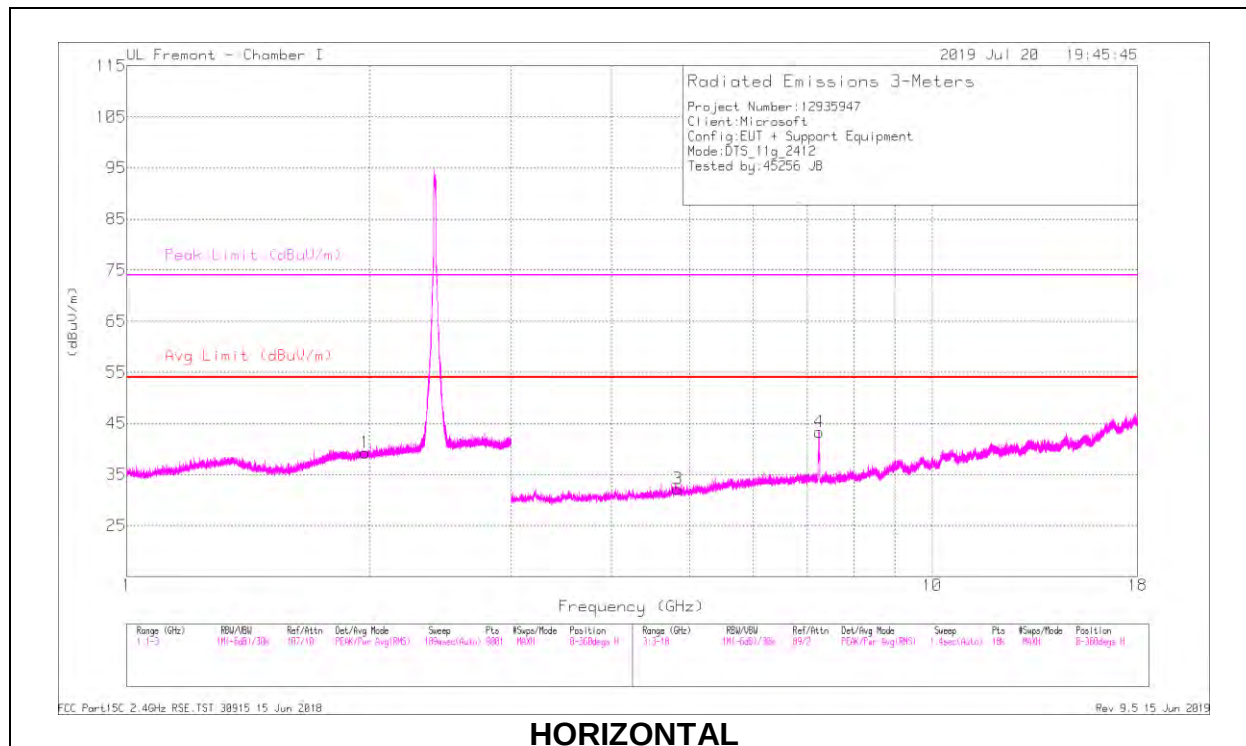
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

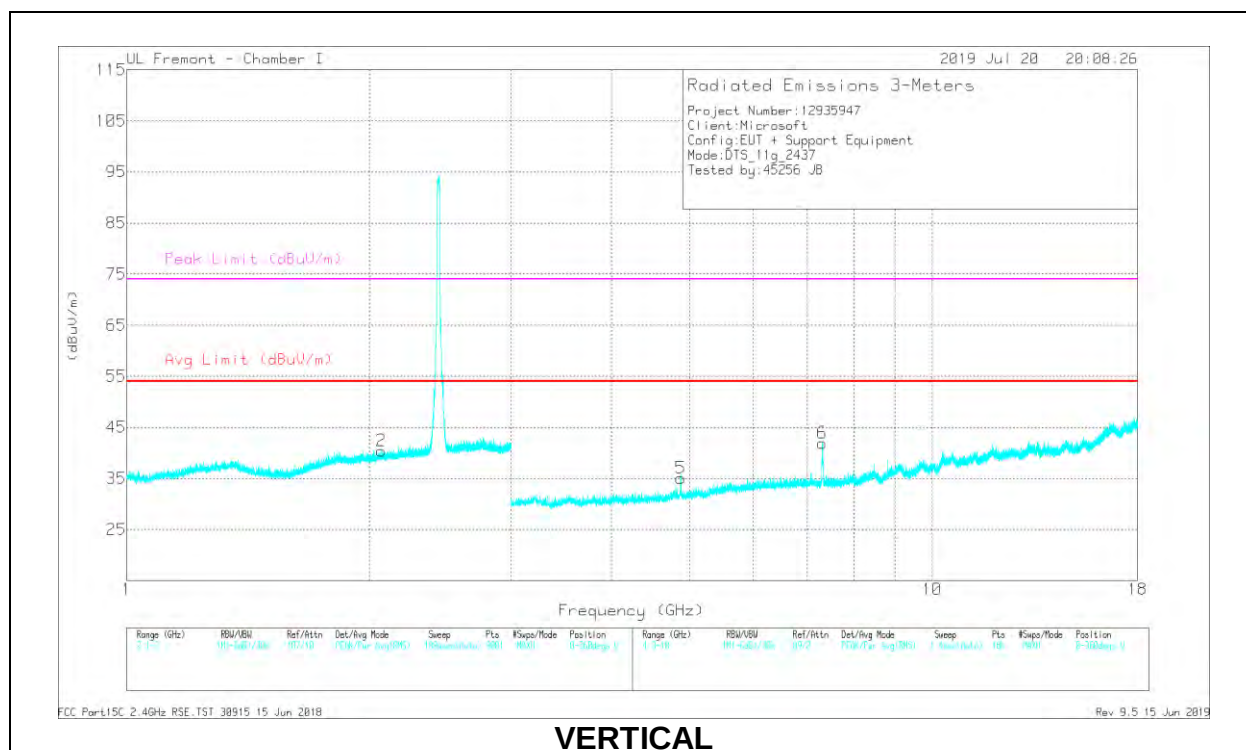
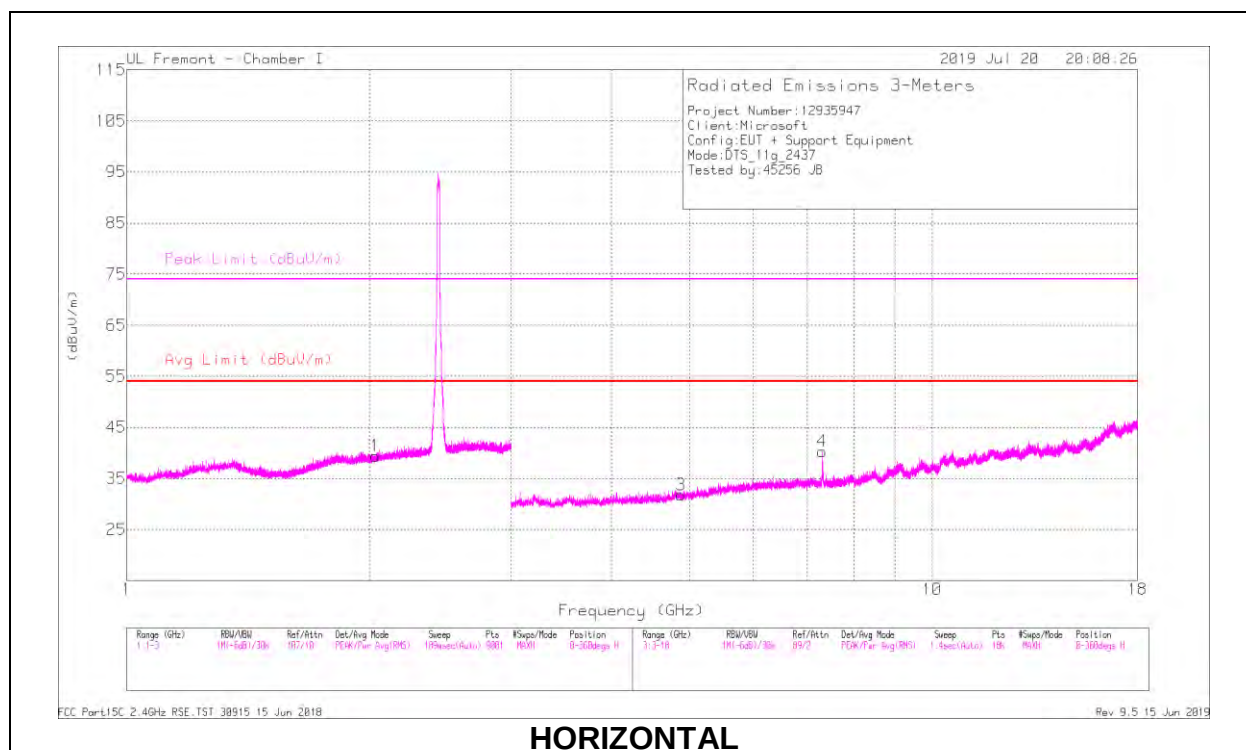
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.97644	30.91	Pk	31	-22.6	0	39.31	-	-	-	-	0-360	198	H
2	2.05089	31.25	Pk	31.1	-22.5	0	39.85	-	-	-	-	0-360	102	V
3	* 4.83271	33.07	PK2	34.1	-28.1	0	39.07	-	-	74	-34.93	154	162	H
	* 4.83244	23.73	MAv1	34.1	-28.1	0	29.73	54	-24.27	-	-	154	162	H
4	7.2419	33.56	Pk	35.5	-25.8	0	43.26	-	-	-	-	0-360	199	H
5	* 4.99569	33.82	PK2	34.2	-29.1	0	38.92	-	-	74	-35.08	41	150	V
	* 4.9963	24.49	MAv1	34.2	-29.1	0	29.59	54	-24.41	-	-	41	150	V
6	7.24274	39.01	Pk	35.5	-25.8	0	48.71	-	-	-	-	0-360	199	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

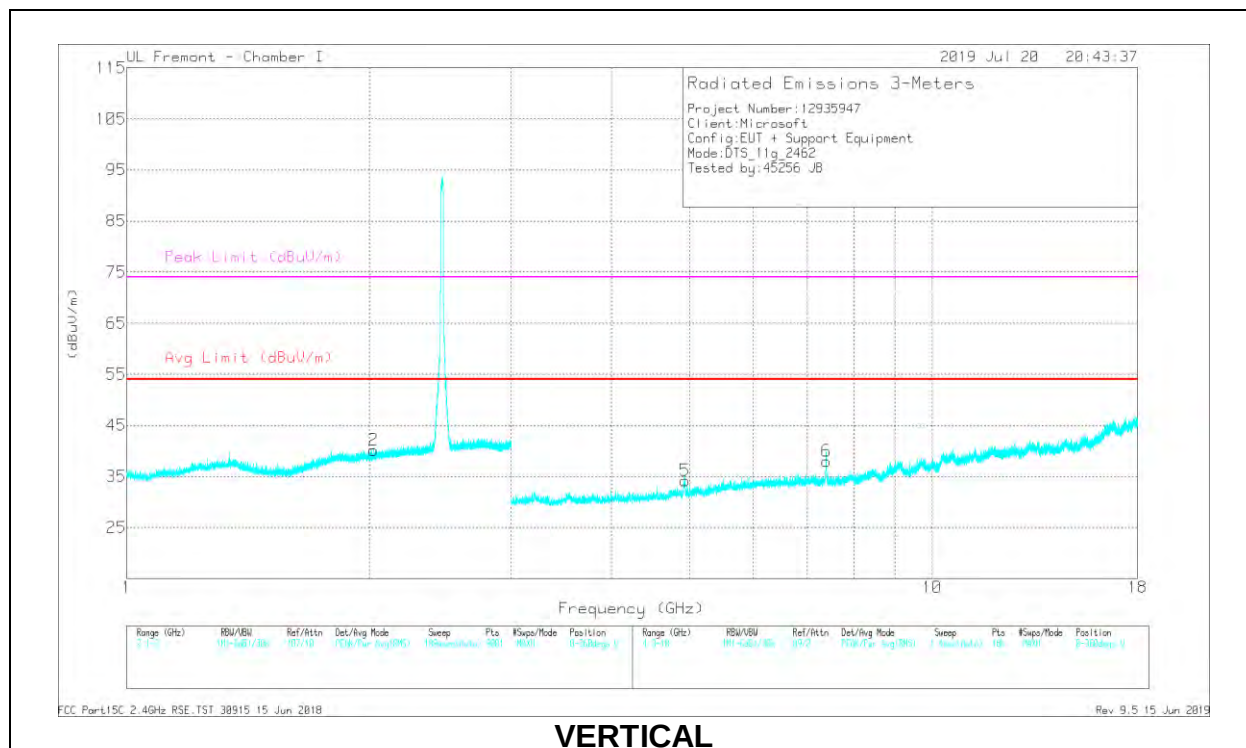
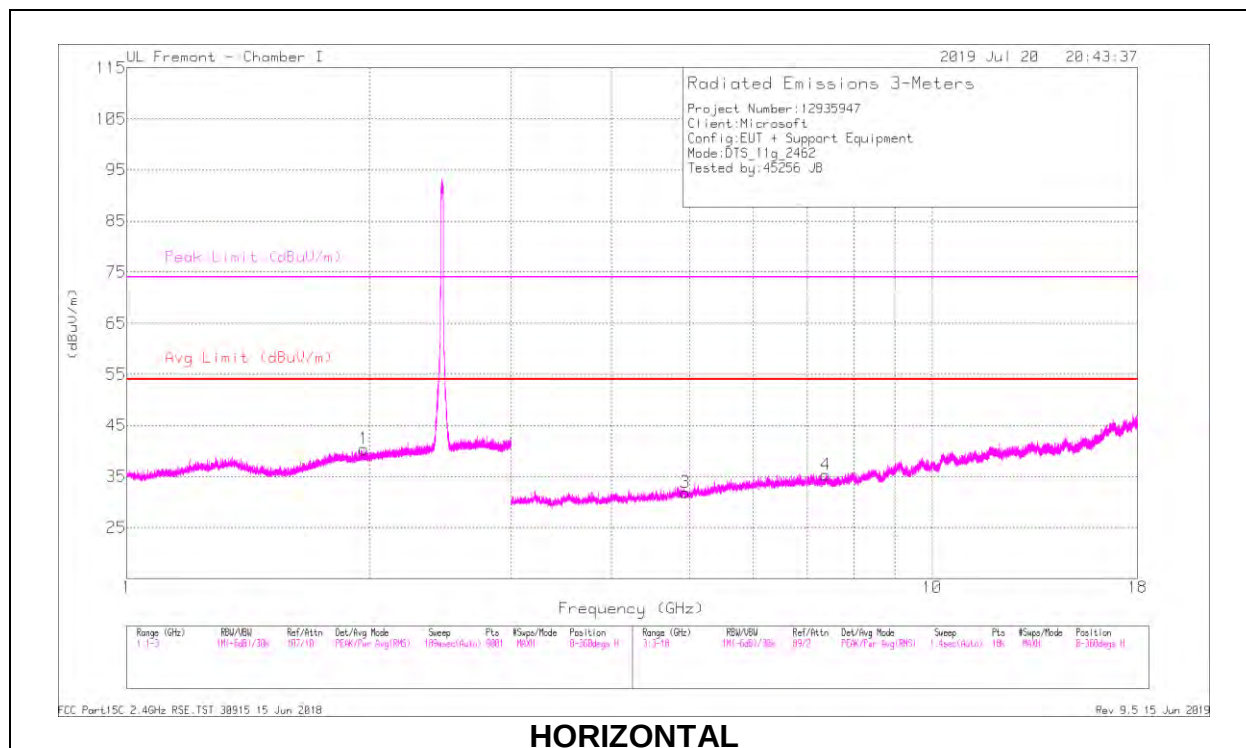
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.03622	31	Pk	31	-22.6	0	39.4	-	-	-	-	0-360	198	H
2	2.07155	31.71	Pk	31.1	-22.4	0	40.41	-	-	-	-	0-360	102	V
3	* 4.88299	33.96	PK2	34.1	-28.7	0	39.36	-	-	74	-34.64	282	136	H
	* 4.88328	24.54	MAv1	34.1	-28.7	0	29.94	54	-24.06	-	-	282	136	H
4	* 7.31126	43.1	PK2	35.6	-26	0	52.7	-	-	74	-21.3	153	328	H
	* 7.31063	32.34	MAv1	35.6	-26	0	41.94	54	-12.06	-	-	153	328	H
5	* 4.8754	37.85	PK2	34.1	-28.7	0	43.25	-	-	74	-30.75	189	246	V
	* 4.87486	28.8	MAv1	34.1	-28.6	0	34.3	54	-19.7	-	-	189	246	V
6	* 7.30888	41.96	PK2	35.6	-26	0	51.56	-	-	74	-22.44	217	215	V
	* 7.30802	31.33	MAv1	35.6	-25.9	0	41.03	54	-12.97	-	-	217	215	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 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/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	1.97	32.03	Pk	31	-22.6	0	40.43	-	-	-	-	0-360	198	H
2	2.02578	31.75	Pk	31	-22.6	0	40.15	-	-	-	-	0-360	102	V
3	* 4.94236	34.45	PK2	34.1	-29.1	0	39.45	-	-	74	-34.55	49	194	H
	* 4.94316	24.44	MAv1	34.1	-29.1	0	29.44	54	-24.56	-	-	49	194	H
4	* 7.3783	35.19	PK2	35.6	-25.4	0	45.39	-	-	74	-28.61	158	323	H
	* 7.37926	25.12	MAv1	35.6	-25.3	0	35.42	54	-18.58	-	-	158	323	H
5	* 4.93228	38.44	PK2	34.1	-29.1	0	43.44	-	-	74	-30.56	194	277	V
	* 4.93367	28.46	MAv1	34.1	-29.1	0	33.46	54	-20.54	-	-	194	277	V
6	* 7.39096	36.21	PK2	35.5	-24.9	0	46.81	-	-	74	-27.19	210	204	V
	* 7.38909	26.49	MAv1	35.5	-25	0	36.99	54	-17.01	-	-	210	204	V

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

PK2 - KDB558074 Method: Maximum Peak

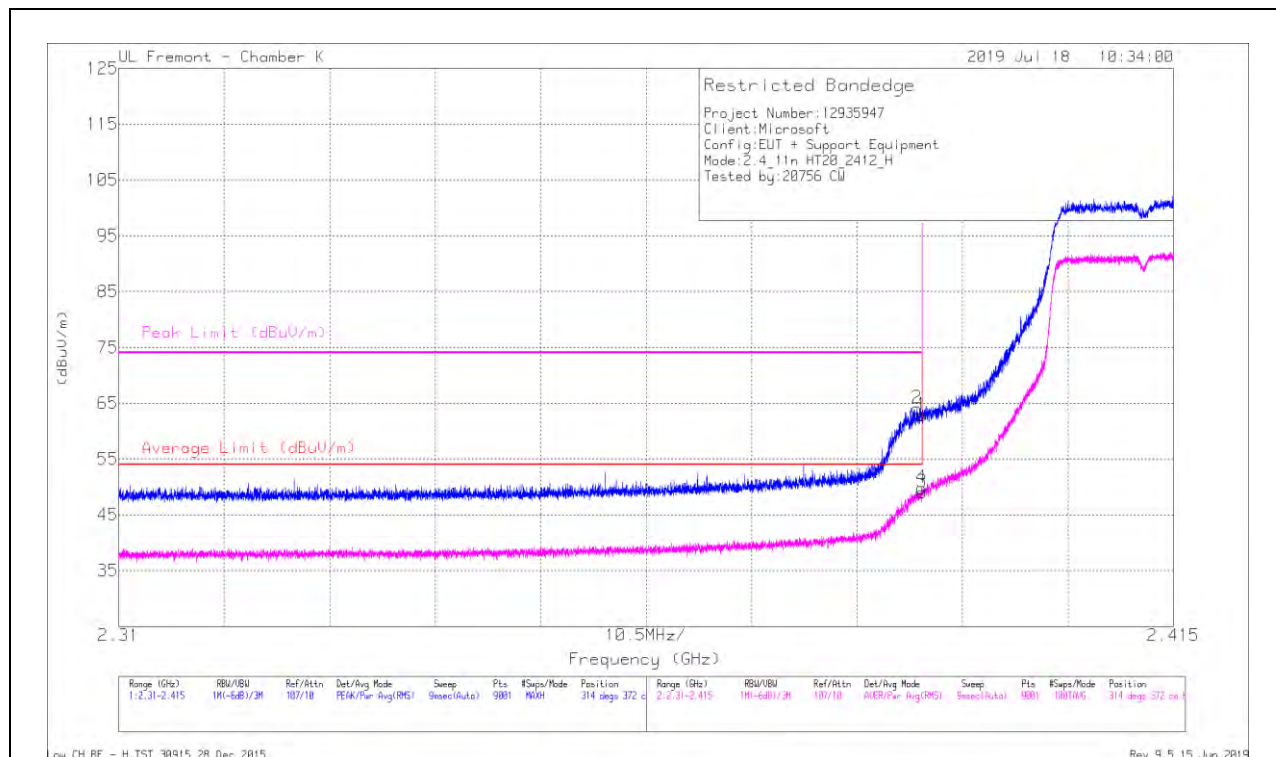
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

2TX Chain 0 + Chain 1 SDM MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



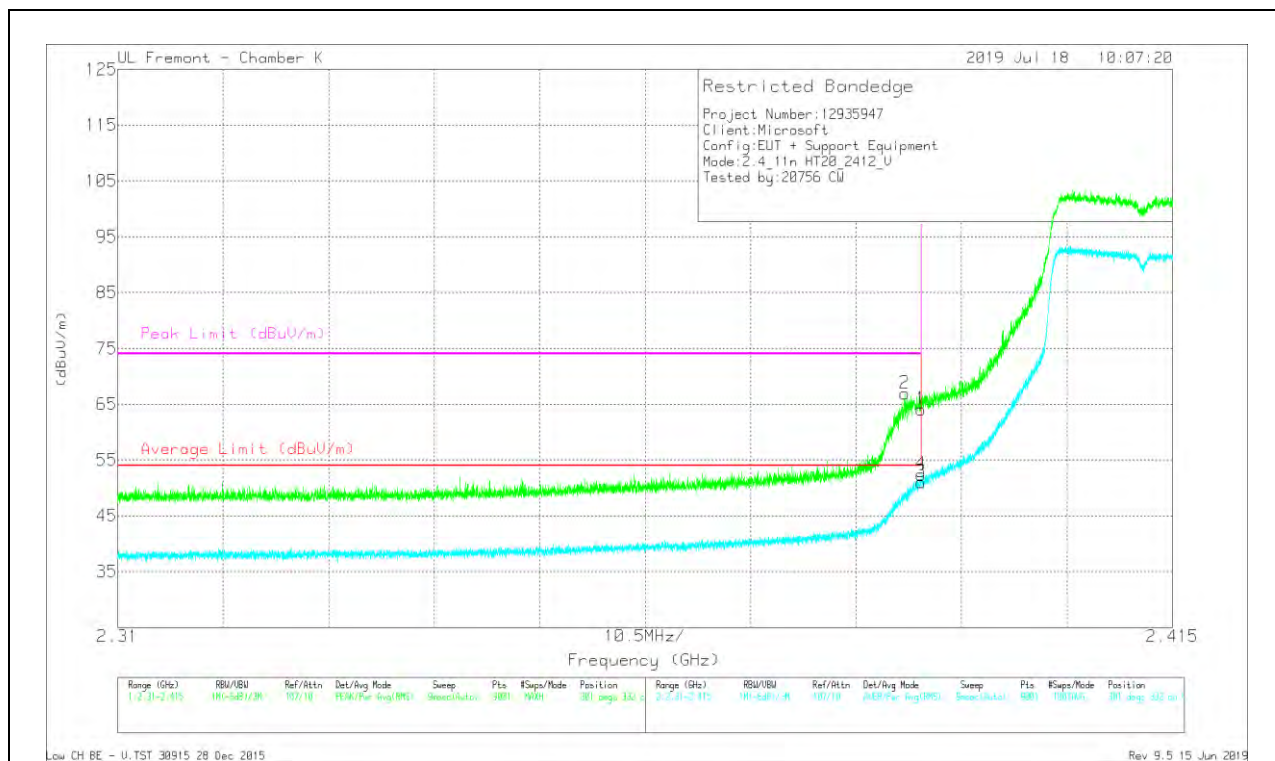
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Ampl/Cb/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	55.65	Pk	31.9	-24.7	62.85	-	-	74	-11.15	314	372	H
2	* 2.3895	56.92	Pk	31.9	-24.7	64.12	-	-	74	-9.88	314	372	H
3	* 2.38999	41.89	RMS	31.9	-24.7	49.09	54	-4.91	-	-	314	372	H
4	* 2.38993	42.61	RMS	31.9	-24.7	49.81	54	-4.19	-	-	314	372	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 EMC4294 (dB/m)	Amp/Cbl/Ftr /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	* 2.38999	56.87	Pk	31.9	-24.7	64.07	-	-	74	-9.93	301	332	V
2	* 2.38836	59.65	Pk	31.9	-24.6	66.95	-	-	74	-7.05	301	332	V
3	* 2.38999	43.83	RMS	31.9	-24.7	51.03	54	-2.97	-	-	301	332	V
4	* 2.38997	45.2	RMS	31.9	-24.7	52.4	54	-1.6	-	-	301	332	V

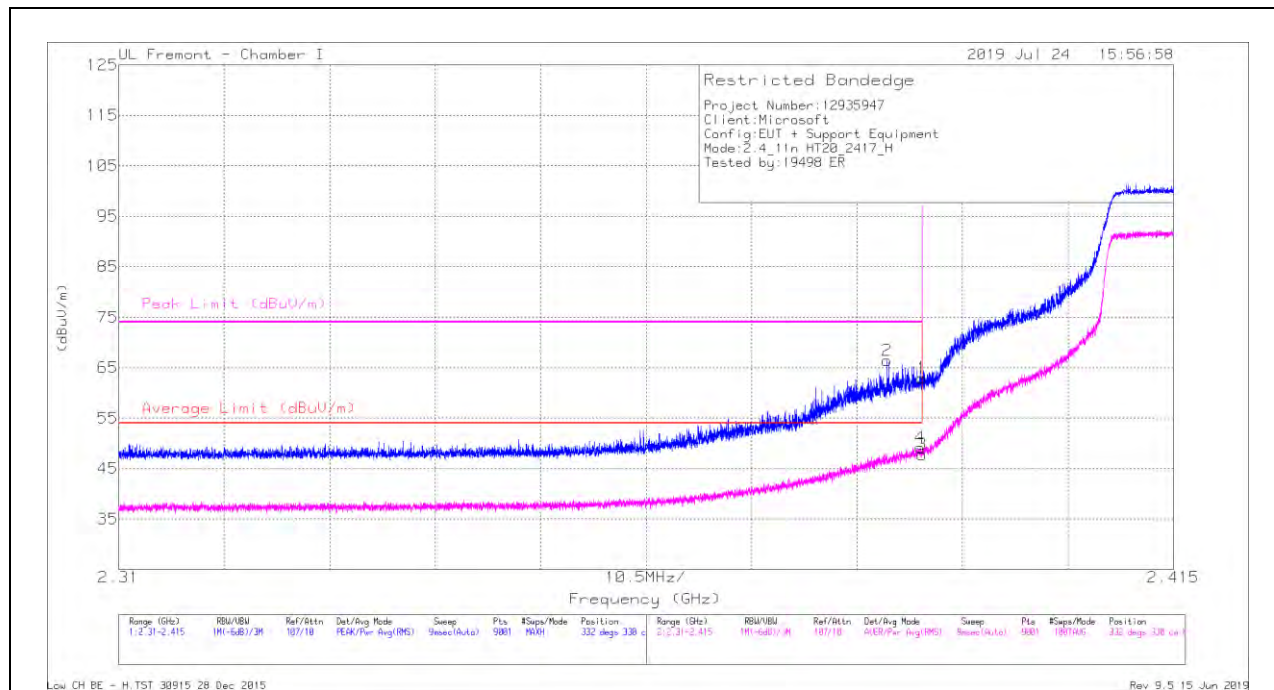
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



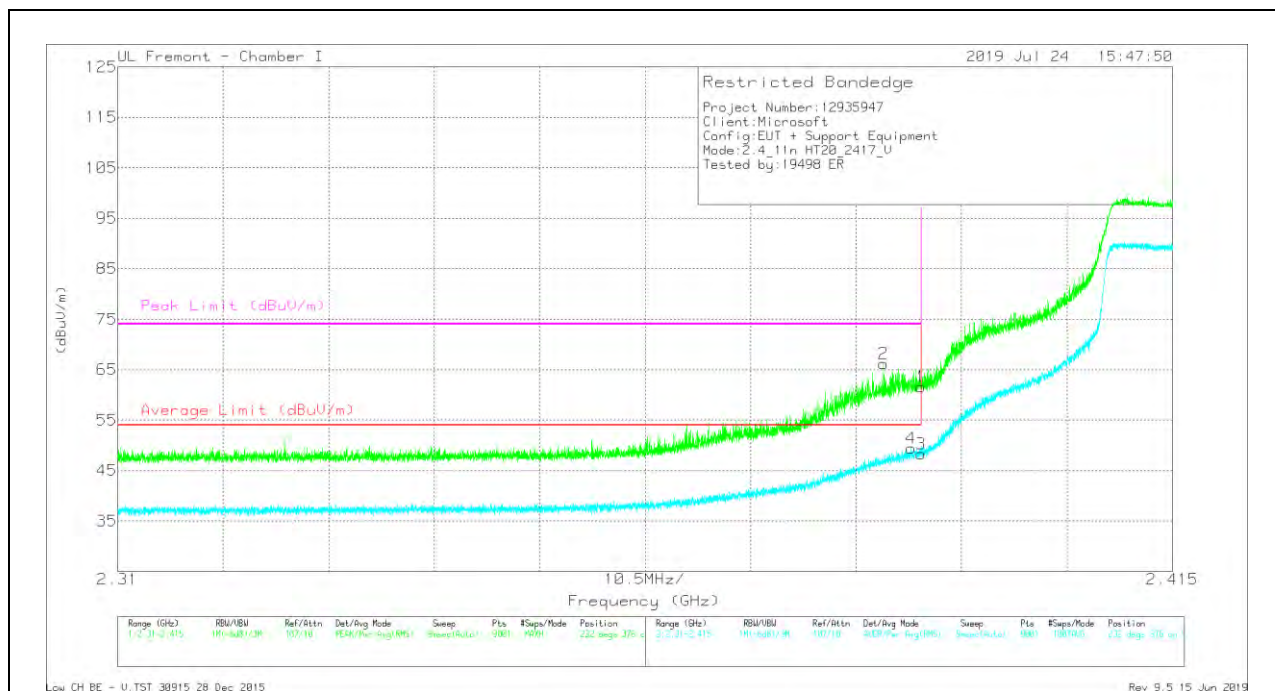
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.38999	52.71	Pk	31.9	-21.6	63.01	-	-	74	-10.99	332	330	H
2	2.3865	56.11	Pk	31.9	-21.6	66.41	-	-	74	-7.59	332	330	H
3	2.38999	37.45	RMS	31.9	-21.6	47.75	54	-6.25	-	-	332	330	H
4	2.38981	38.83	RMS	31.9	-21.6	49.13	54	-4.87	-	-	332	330	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 T862 (dBm)	Amp/Cb/Flt 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	2.38999	51.32	Pk	31.9	-21.6	61.62	-	-	74	-12.38	232	376	V
2	2.38626	55.84	Pk	31.9	-21.6	66.14	-	-	74	-7.86	232	376	V
3	2.38999	38.01	RMS	31.9	-21.6	48.31	54	-5.69	-	-	232	376	V
4	2.38896	39.17	RMS	31.9	-21.6	49.47	54	-4.53	-	-	232	376	V

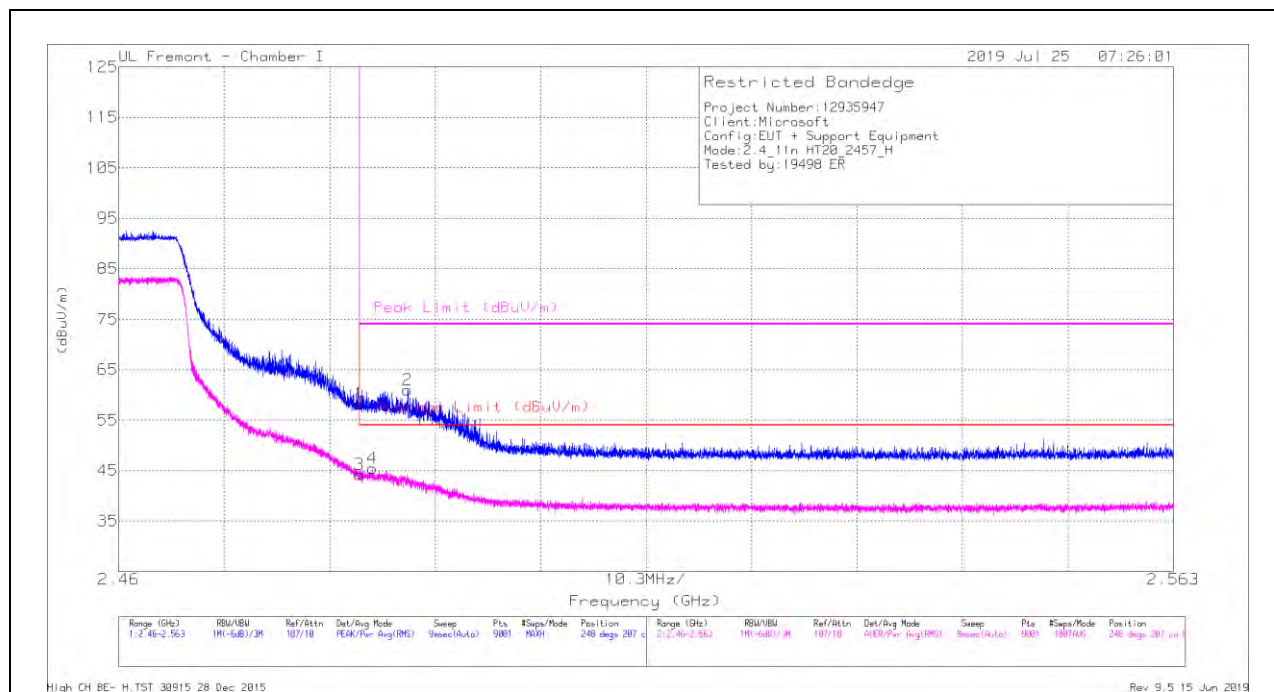
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



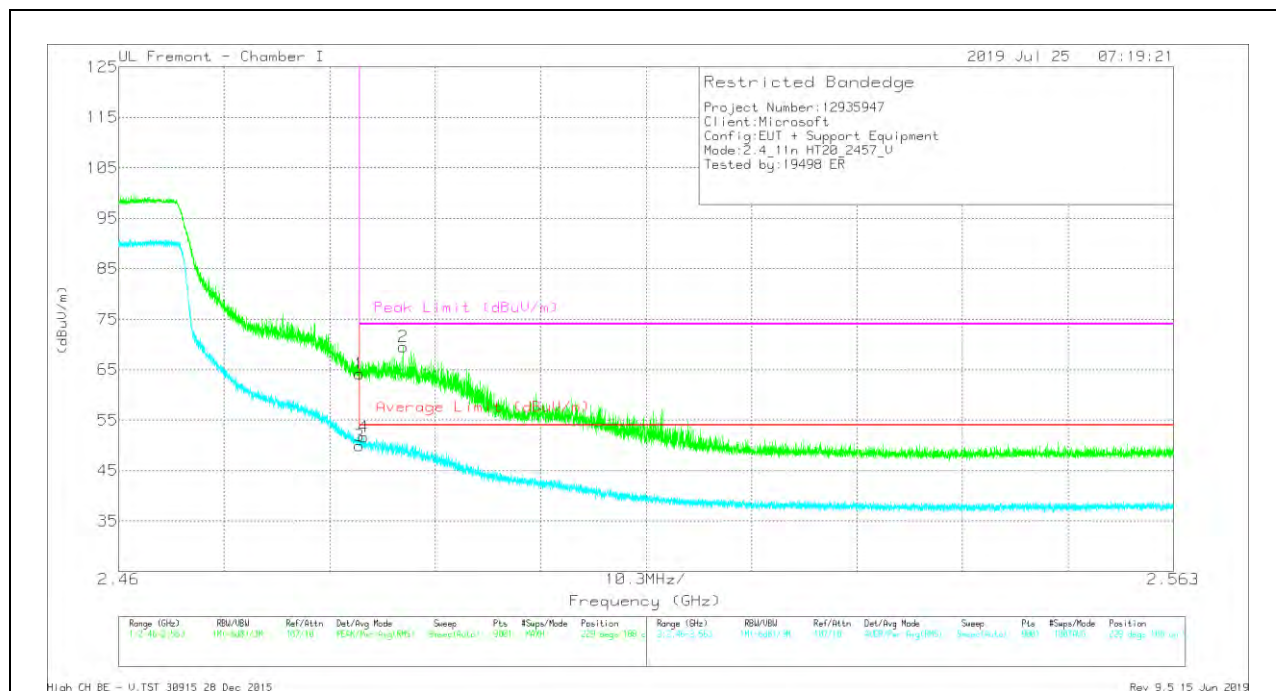
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.48351	47.48	Pk	32.4	-21.7	58.18	-	-	74	-15.82	248	207	H
2	2.48823	50.4	Pk	32.3	-21.7	61	-	-	74	-13	248	207	H
3	2.48351	33.48	RMS	32.4	-21.7	44.18	54	-9.82	-	-	248	207	H
4	2.48475	34.88	RMS	32.4	-21.8	45.48	54	-8.52	-	-	248	207	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 T862 (dBm)	Amp/Cb/Flt 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	2.48351	53.48	Pk	32.4	-21.7	64.18	-	-	74	-9.82	229	188	V
2	2.48776	58.95	Pk	32.3	-21.7	69.55	-	-	74	-4.45	229	188	V
3	2.48351	39.17	RMS	32.4	-21.7	49.87	54	-4.13	-	-	229	188	V
4	2.48394	40.95	RMS	32.4	-21.7	51.65	54	-2.35	-	-	229	188	V

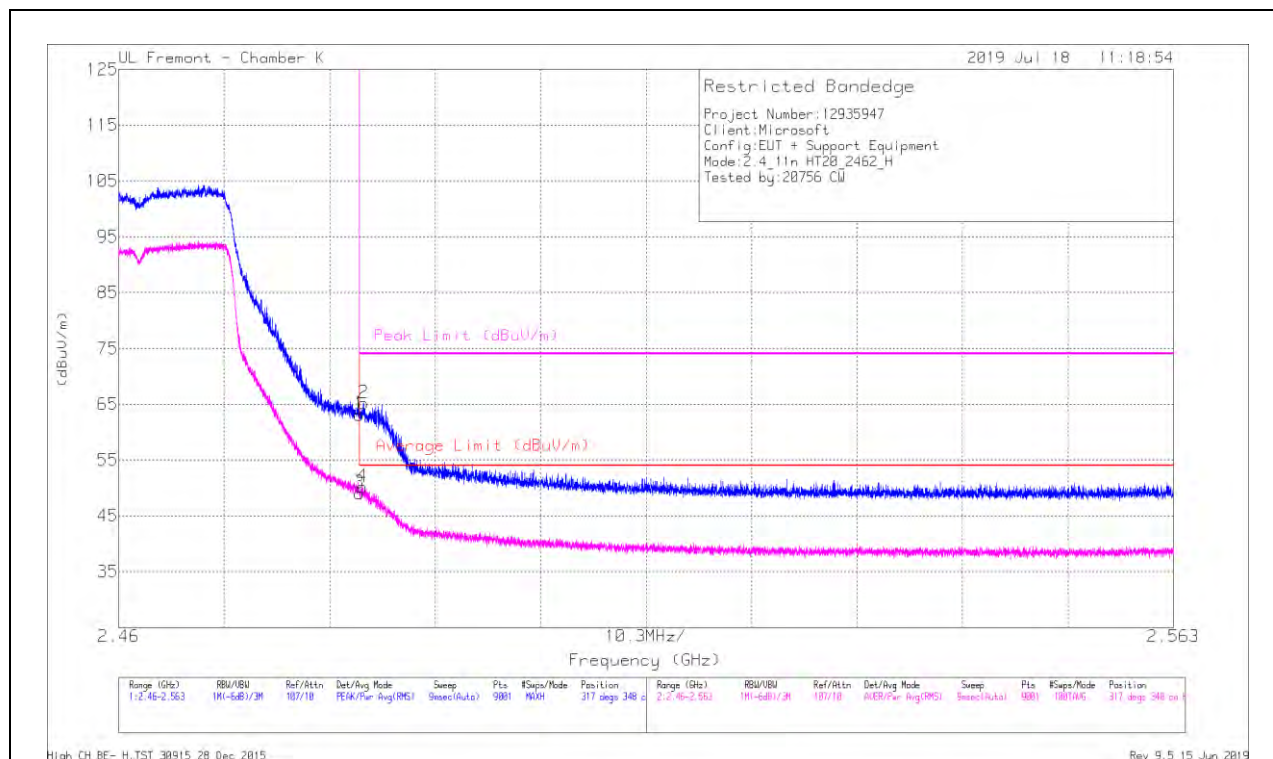
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

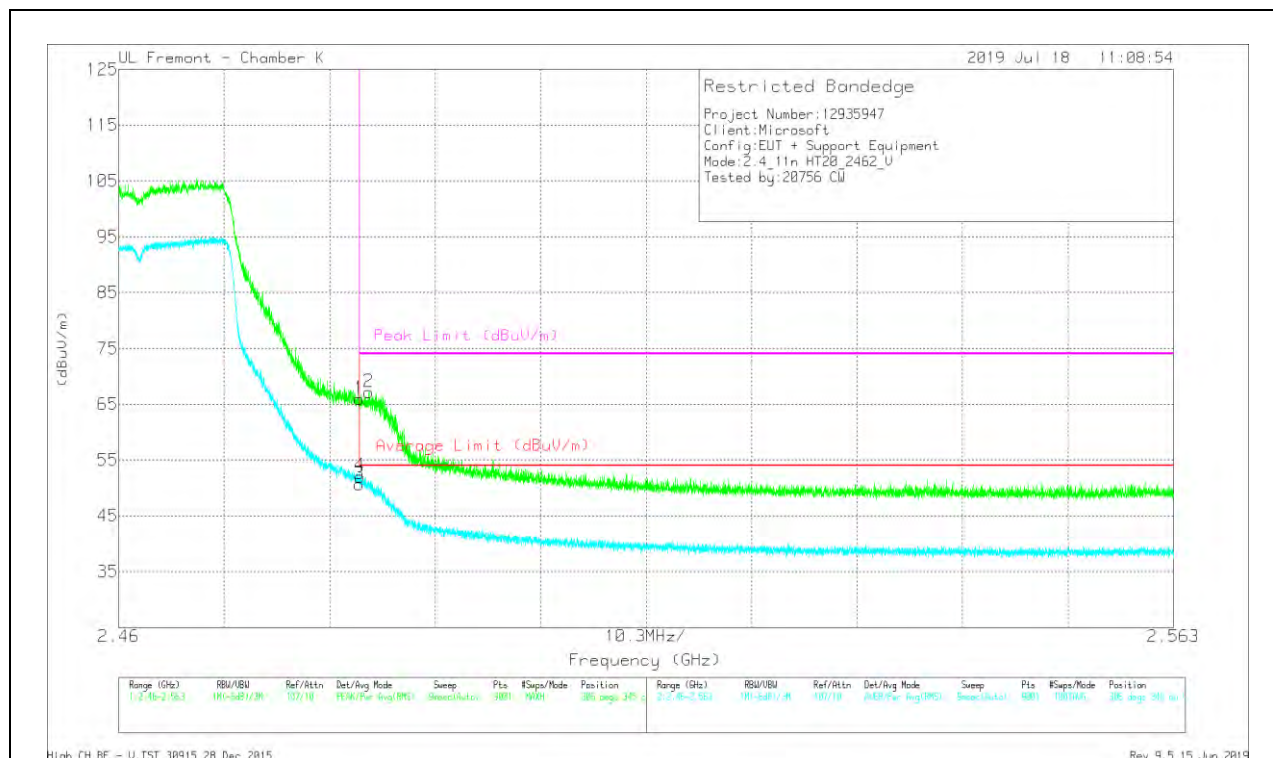
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (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	* 2.48351	55.44	Pk	32.5	-24.8	63.14	-	-	74	-10.86	317	348	H
2	* 2.4839	57.45	Pk	32.5	-24.8	65.15	-	-	74	-8.85	317	348	H
3	* 2.48351	41.35	RMS	32.5	-24.8	49.05	54	-4.95	-	-	317	348	H
4	* 2.48378	42.46	RMS	32.5	-24.8	50.16	54	-3.84	-	-	317	348	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 EMC4294 (dB/m)	Amp/Cbl/Ftr /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	58.26	Pk	32.5	-24.8	65.96	-	-	74	-8.04	306	345	V
2	* 2.48443	59.52	Pk	32.5	-24.8	67.22	-	-	74	-6.78	306	345	V
3	* 2.48351	42.98	RMS	32.5	-24.8	50.68	54	-3.32	-	-	306	345	V
4	* 2.48358	44.39	RMS	32.5	-24.8	52.09	54	-1.91	-	-	306	345	V

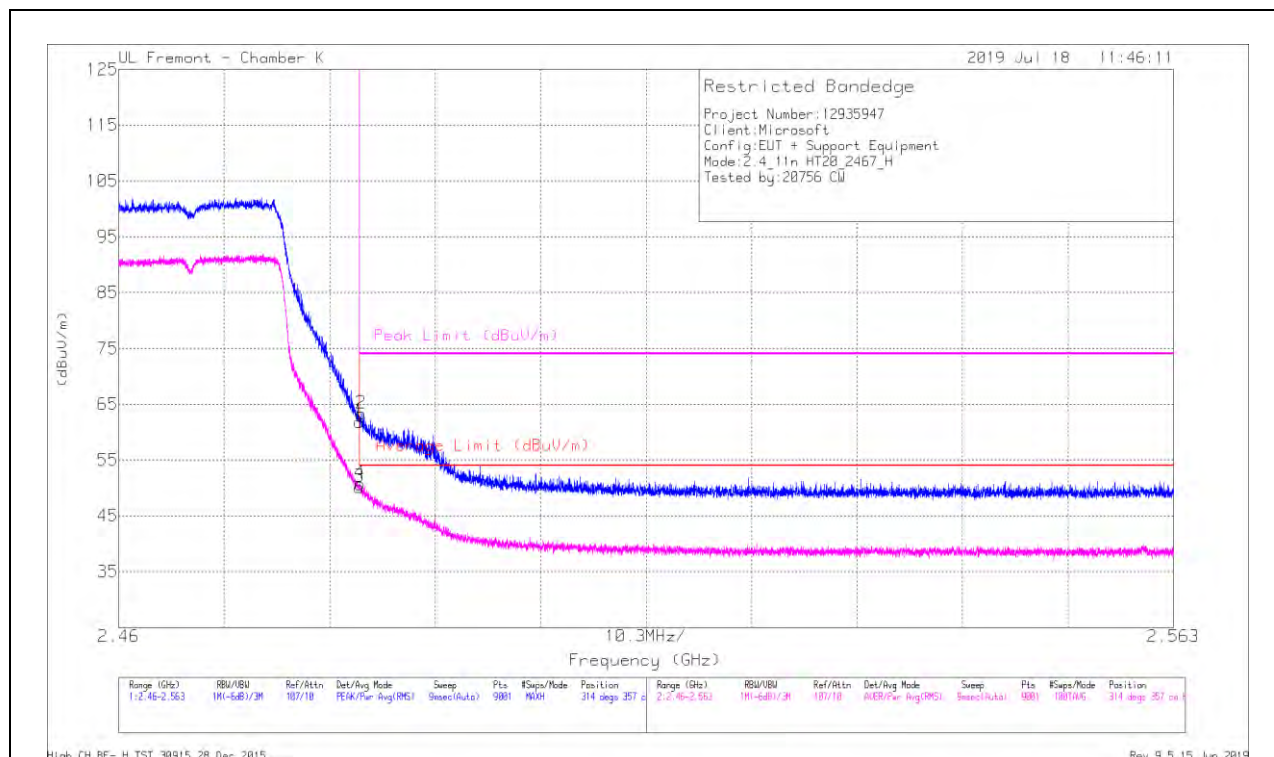
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



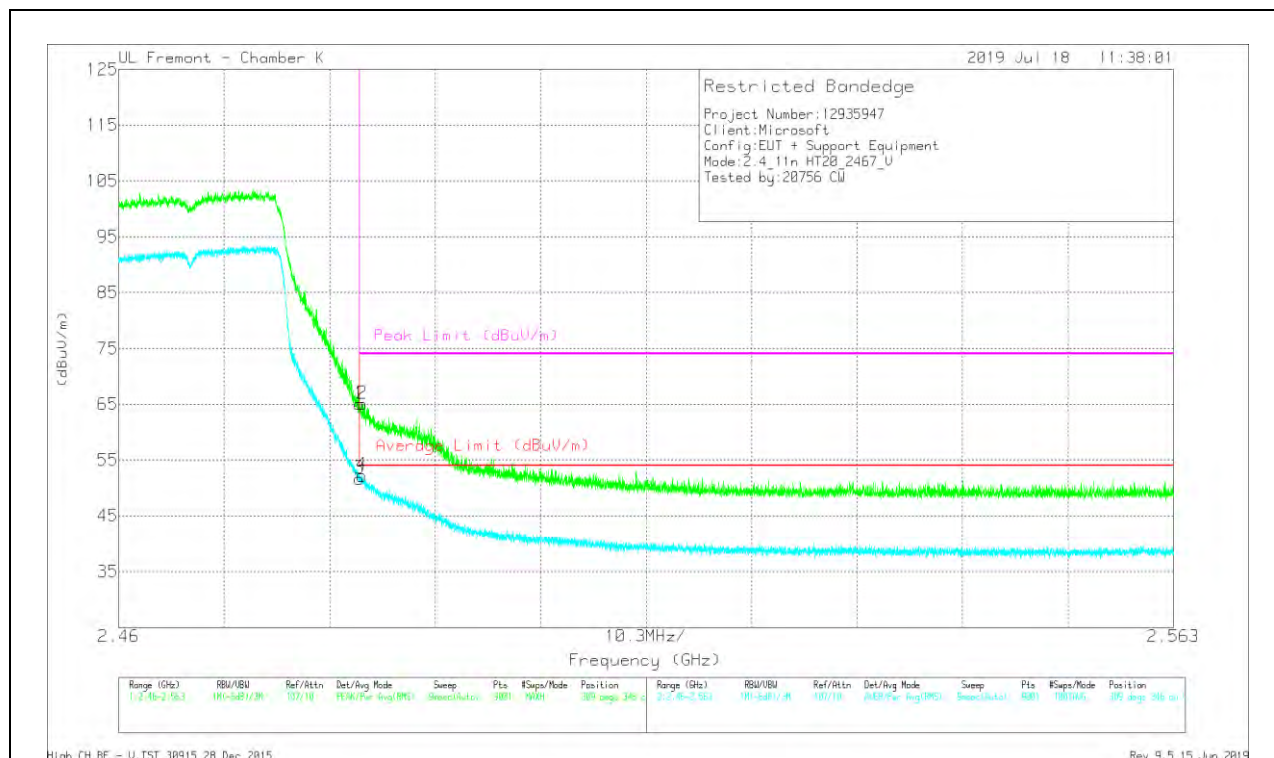
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	54.18	Pk	32.5	-24.8	61.88	-	-	74	-12.12	314	357	H
2	* 2.48366	55.66	Pk	32.5	-24.8	63.36	-	-	74	-10.64	314	357	H
3	* 2.48351	42.45	RMS	32.5	-24.8	50.15	54	-3.85	-	-	314	357	H
4	* 2.48355	43.03	RMS	32.5	-24.8	50.73	54	-3.27	-	-	314	357	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 EMC4294 (dB/m)	Amp/Cbl/Ftr /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	57.38	Pk	32.5	-24.8	65.08	-	-	74	-8.92	309	346	V
2	* 2.48382	57.35	Pk	32.5	-24.8	65.05	-	-	74	-8.95	309	346	V
3	* 2.48351	43.97	RMS	32.5	-24.8	51.67	54	-2.33	-	-	309	346	V
4	* 2.48376	44.52	RMS	32.5	-24.8	52.22	54	-1.78	-	-	309	346	V

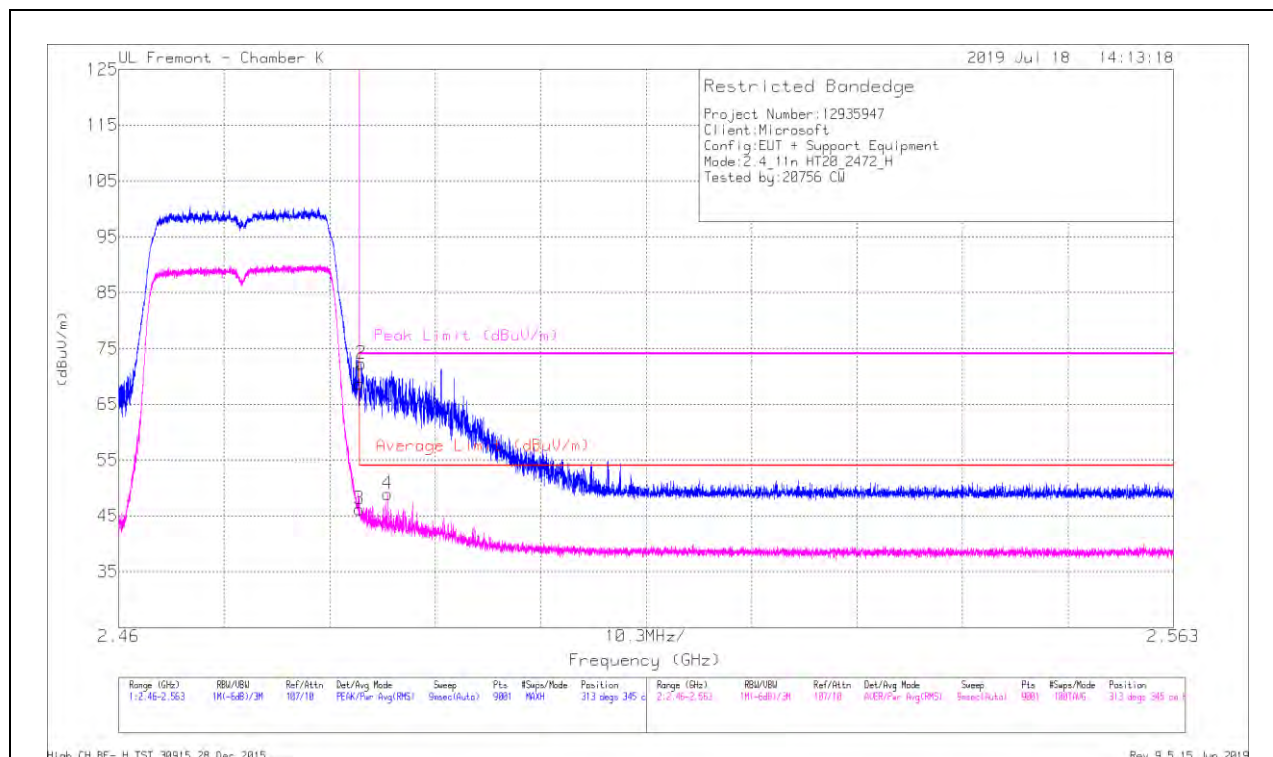
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

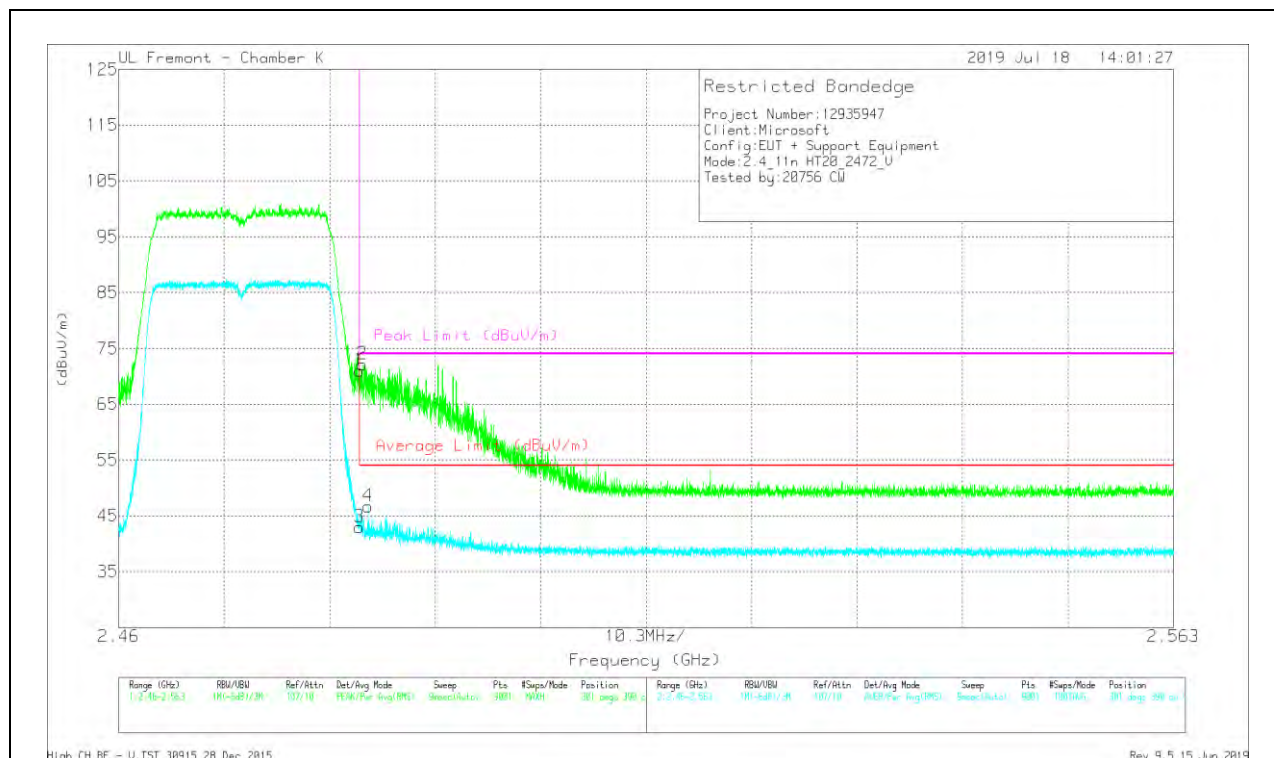
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	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	* 2.48351	60.99	Pk	32.5	-24.8	68.69	-	-	74	-5.31	313	345	H
2	* 2.48369	64.56	Pk	32.5	-24.8	72.26	-	-	74	-1.74	313	345	H
3	* 2.48351	38.46	RMS	32.5	-24.8	46.16	54	-7.84	-	-	313	345	H
4	* 2.48626	41.25	RMS	32.5	-24.8	48.95	54	-5.05	-	-	313	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 EMC4294 (dB/m)	Amp/CbllFtr /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	63.29	Pk	32.5	-24.8	70.99	-	-	74	-3.01	301	390	V
2	* 2.48382	64.49	Pk	32.5	-24.8	72.19	-	-	74	-1.81	301	390	V
3	* 2.48351	35.29	RMS	32.5	-24.8	42.99	54	-11.01	-	-	301	390	V
4	* 2.48434	38.99	RMS	32.5	-24.8	46.69	54	-7.31	-	-	301	390	V

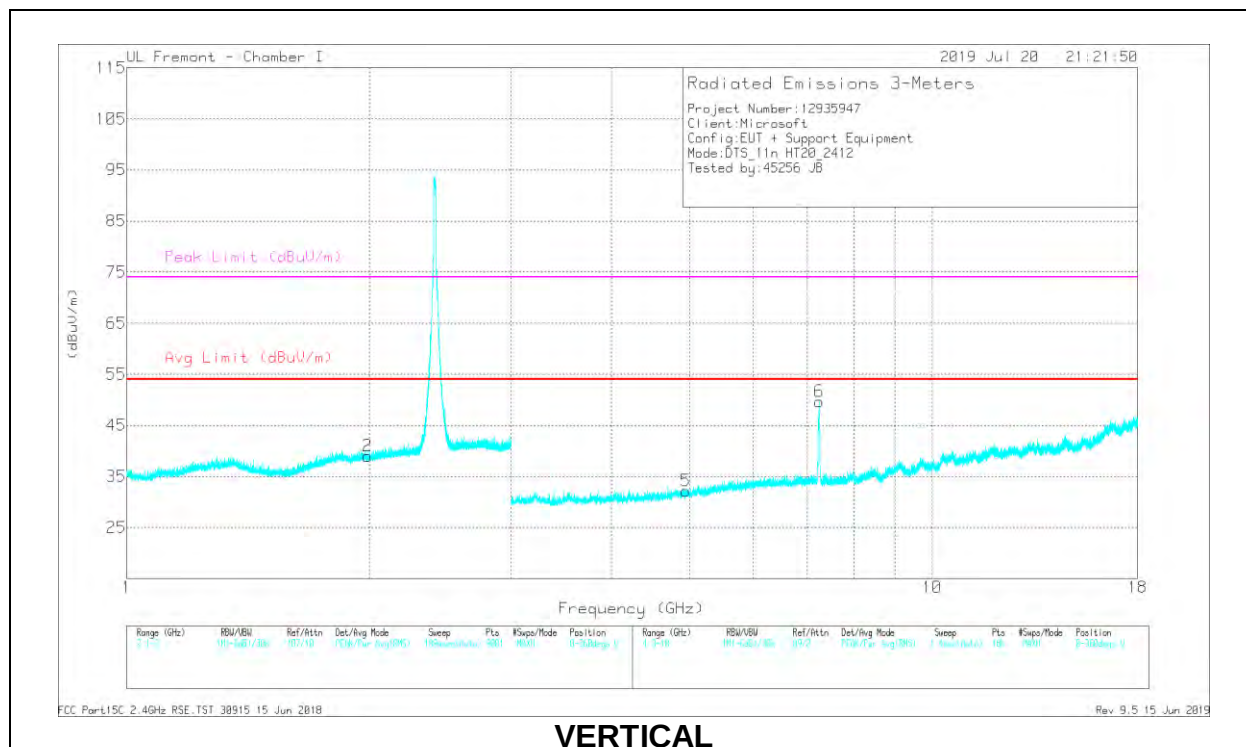
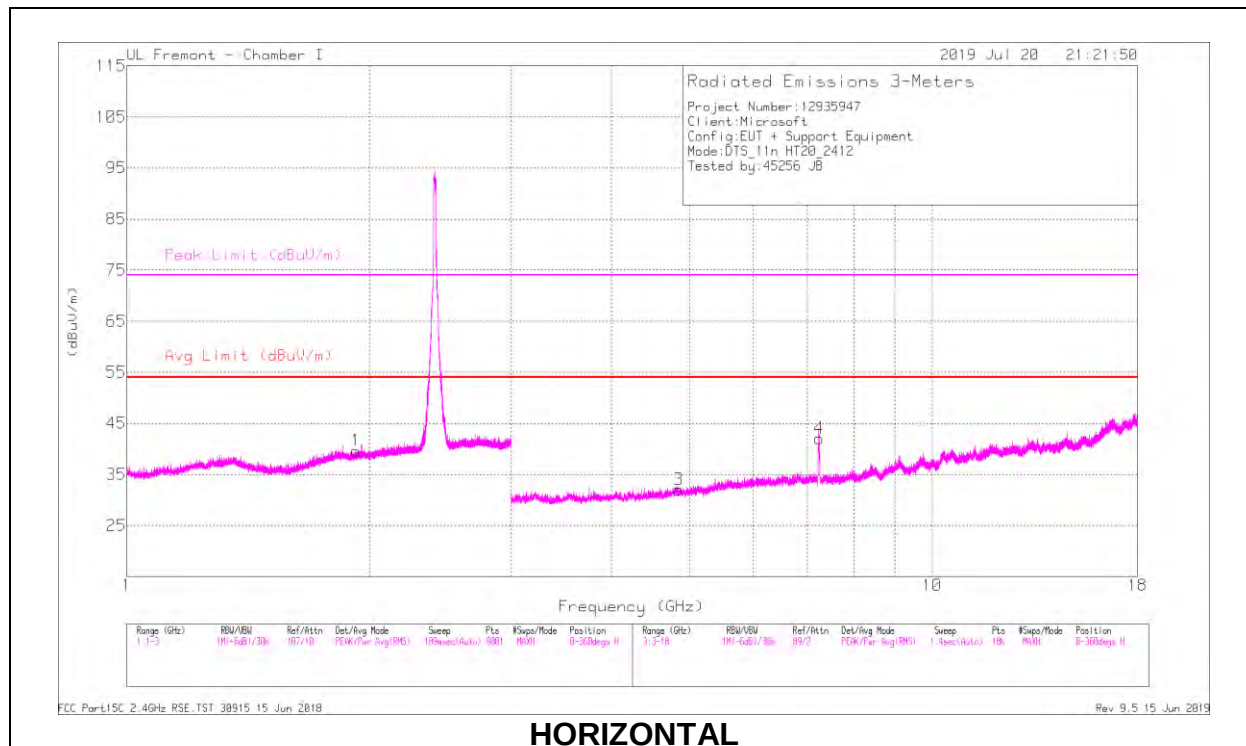
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 T862 (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	1.92667	31.45	Pk	30.7	-22.5	0	39.65	-	-	-	-	0-360	198	H
2	1.99133	30.74	Pk	30.9	-22.6	0	39.04	-	-	-	-	0-360	199	V
3	* 4.84906	33.21	PK2	34.1	-28.2	0	39.11	-	-	74	-34.89	155	276	H
	* 4.84966	23.34	MAv1	34.1	-28.2	0	29.24	54	-24.76	-	-	155	276	H
4	7.24524	32.26	Pk	35.6	-25.8	0	42.06	-	-	-	-	0-360	198	H
5	* 4.9459	34.66	PK2	34.1	-29	0	39.76	-	-	74	-34.24	121	146	V
	* 4.94602	24.25	MAv1	34.1	-29	0	29.35	54	-24.65	-	-	121	146	V
6	7.2394	39.85	Pk	35.6	-25.8	0	49.65	-	-	-	-	0-360	198	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

