

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 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.

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.

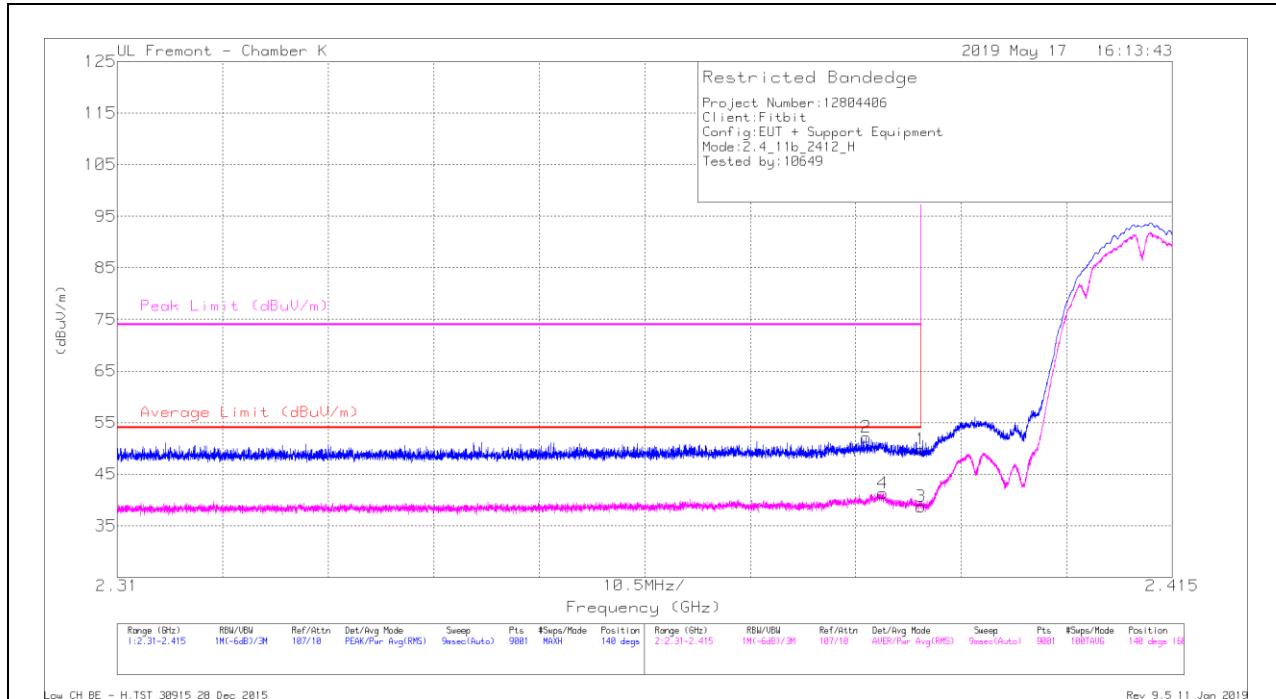
OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

9.1. TRANSMITTER ABOVE 1 GHz

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

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



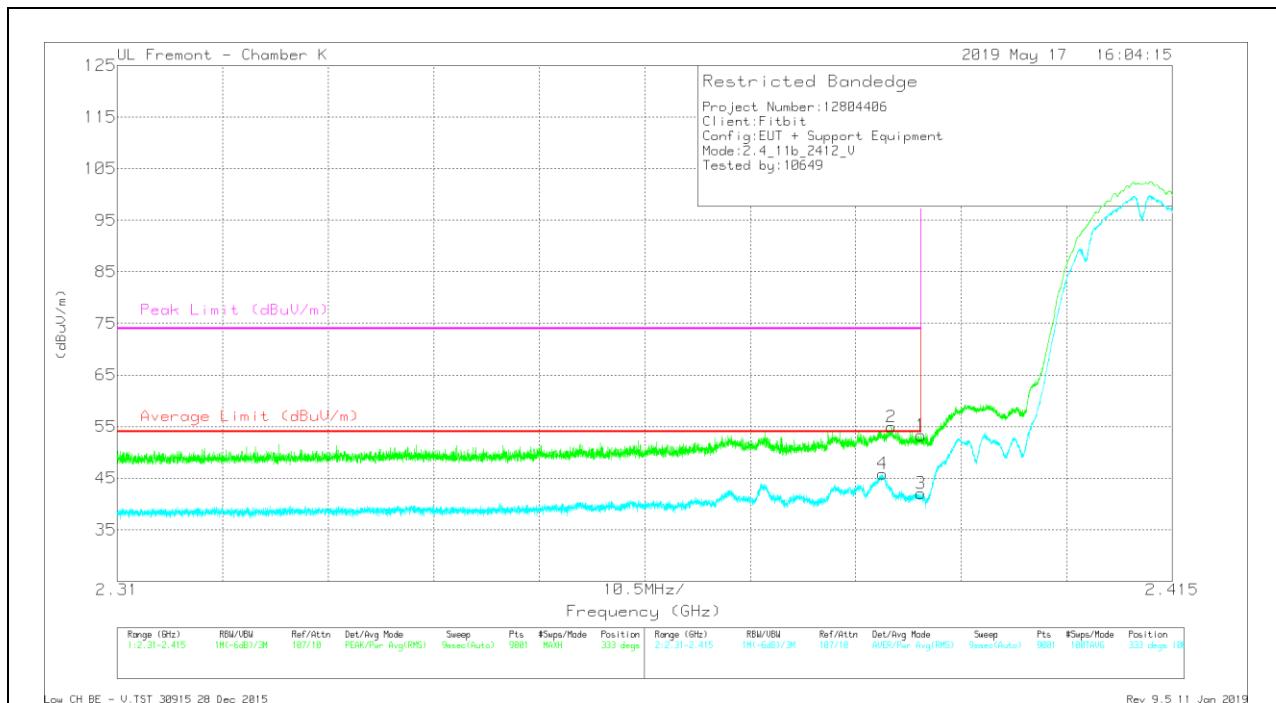
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Flt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.17	Pk	32.3	-24.7	49.77	-	-	74	-24.23	140	168	H
2	* 2.385	44.45	Pk	32.3	-24.6	52.15	-	-	74	-21.85	140	168	H
3	* 2.39	31.1	RMS	32.3	-24.7	38.7	54	-15.3	-	-	140	168	H
4	* 2.386	33.59	RMS	32.3	-24.6	41.29	54	-12.71	-	-	140	168	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 T863 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.72	Pk	32.3	-24.7	53.32	-	-	74	-20.68	333	108	V
2	* 2.387	47.24	Pk	32.3	-24.6	54.94	-	-	74	-19.06	333	108	V
3	* 2.39	34.44	RMS	32.3	-24.7	42.04	54	-11.96	-	-	333	108	V
4	* 2.386	38.15	RMS	32.3	-24.6	45.85	54	-8.15	-	-	333	108	V

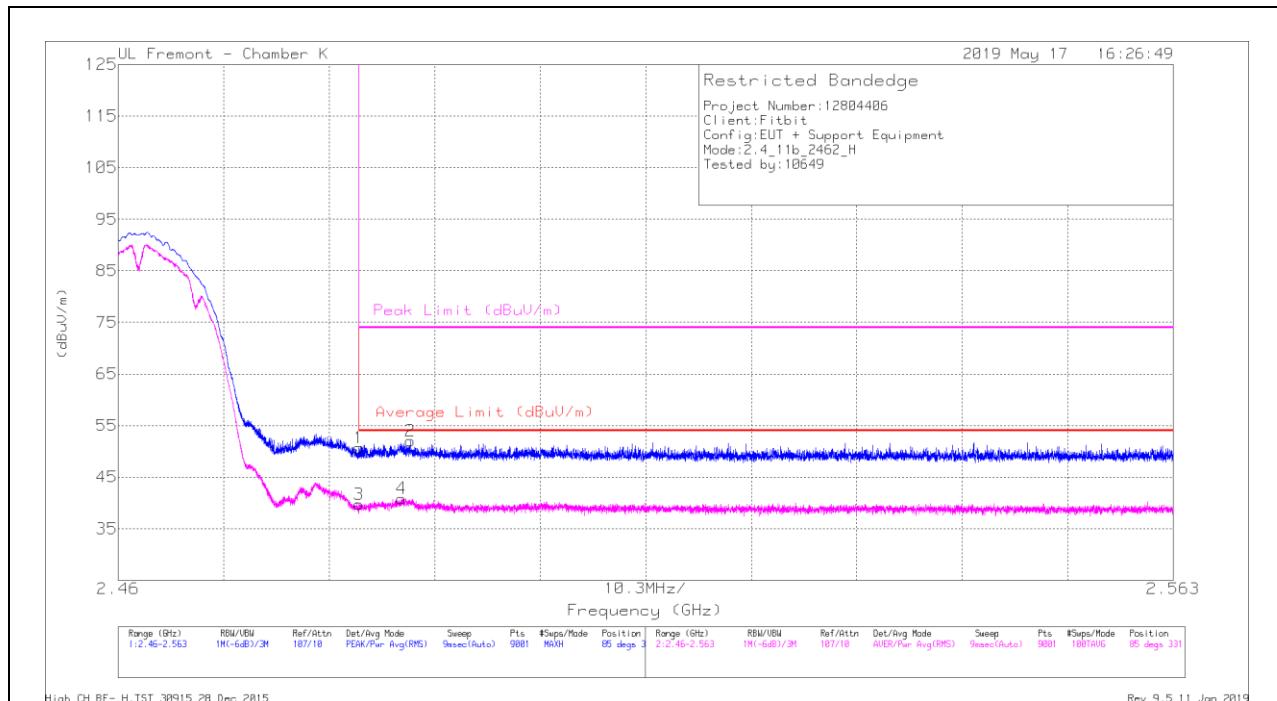
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



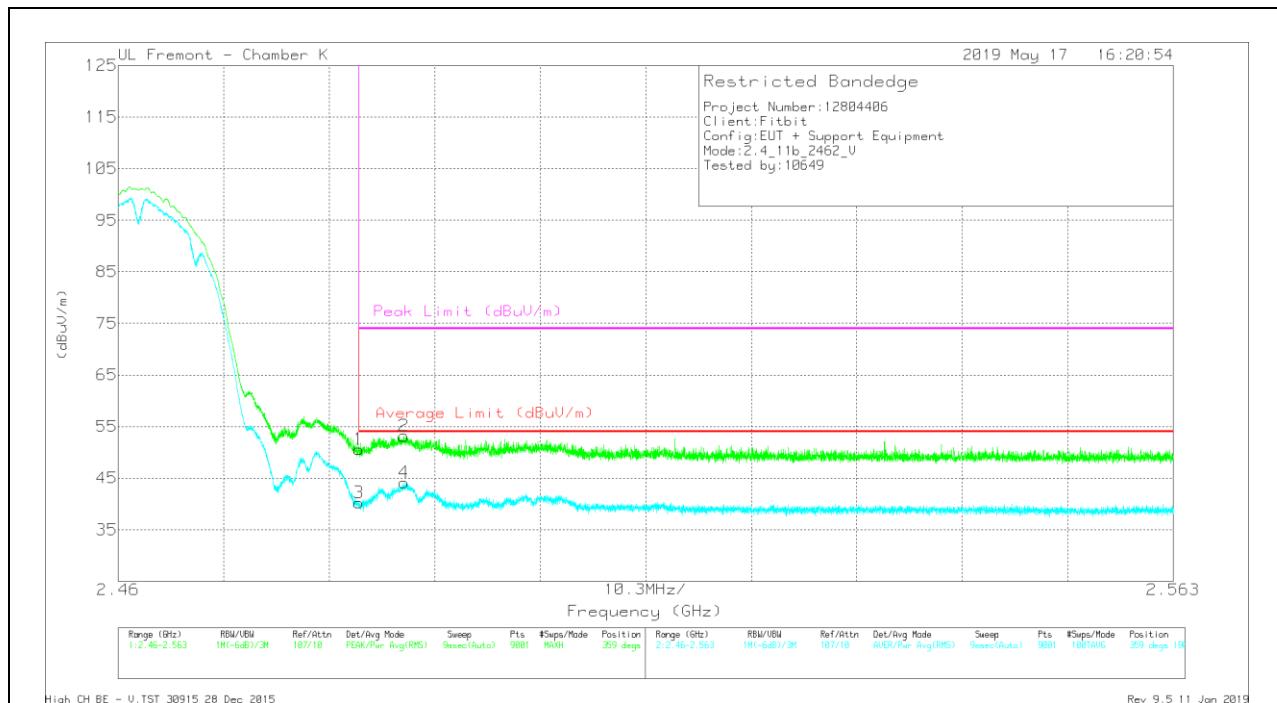
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dBm)	Amp/Cbl/Filt /Pad (dB)	Corrected Reading (dBm)	Average Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.85	Pk	32.6	-24.8	50.65	-	-	74	-23.35	85	331	H
2	* 2.489	44.22	Pk	32.6	-24.8	52.02	-	-	74	-21.98	85	331	H
3	* 2.484	31.89	RMS	32.6	-24.8	39.69	54	-14.31	-	-	85	331	H
4	* 2.488	33.03	RMS	32.6	-24.8	40.83	54	-13.17	-	-	85	331	H

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Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr /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	* 2.484	42.8	Pk	32.6	-24.8	50.6	-	-	74	-23.4	359	190	V
2	* 2.488	45.39	Pk	32.6	-24.8	53.19	-	-	74	-20.81	359	190	V
3	* 2.484	32.42	RMS	32.6	-24.8	40.22	54	-13.78	-	-	359	190	V
4	* 2.488	36.32	RMS	32.6	-24.8	44.12	54	-9.88	-	-	359	190	V

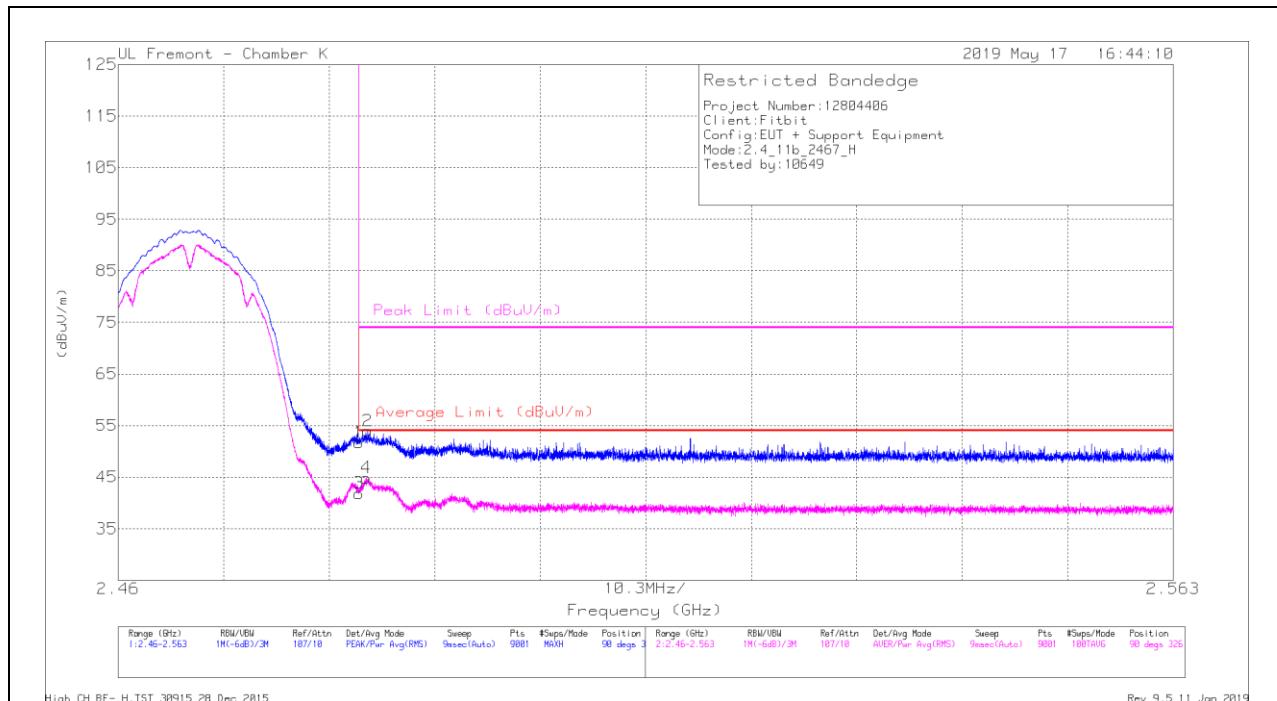
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



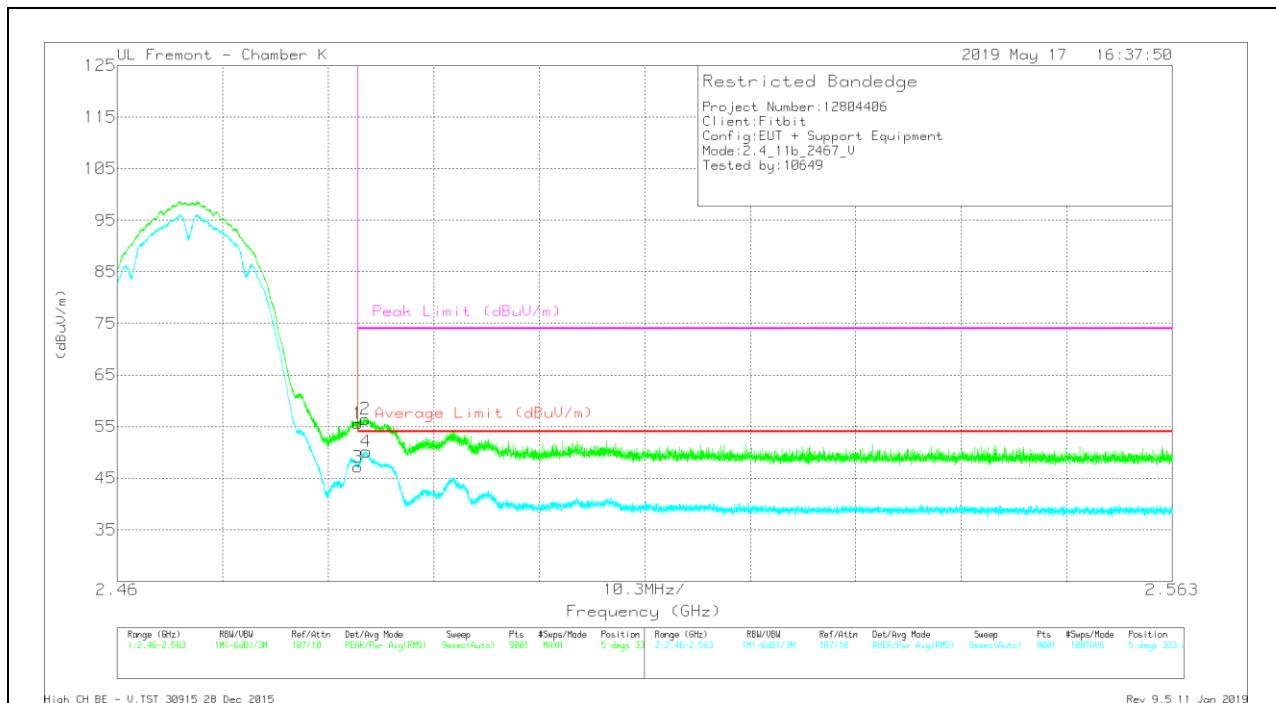
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.91	Pk	32.6	-24.8	51.71	-	-	74	-22.29	90	326	H
2	* 2.484	46.14	Pk	32.6	-24.8	53.94	-	-	74	-20.06	90	326	H
3	* 2.484	34.05	RMS	32.6	-24.8	41.85	54	-12.15	-	-	90	326	H
4	* 2.484	37.07	RMS	32.6	-24.8	44.87	54	-9.13	-	-	90	326	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

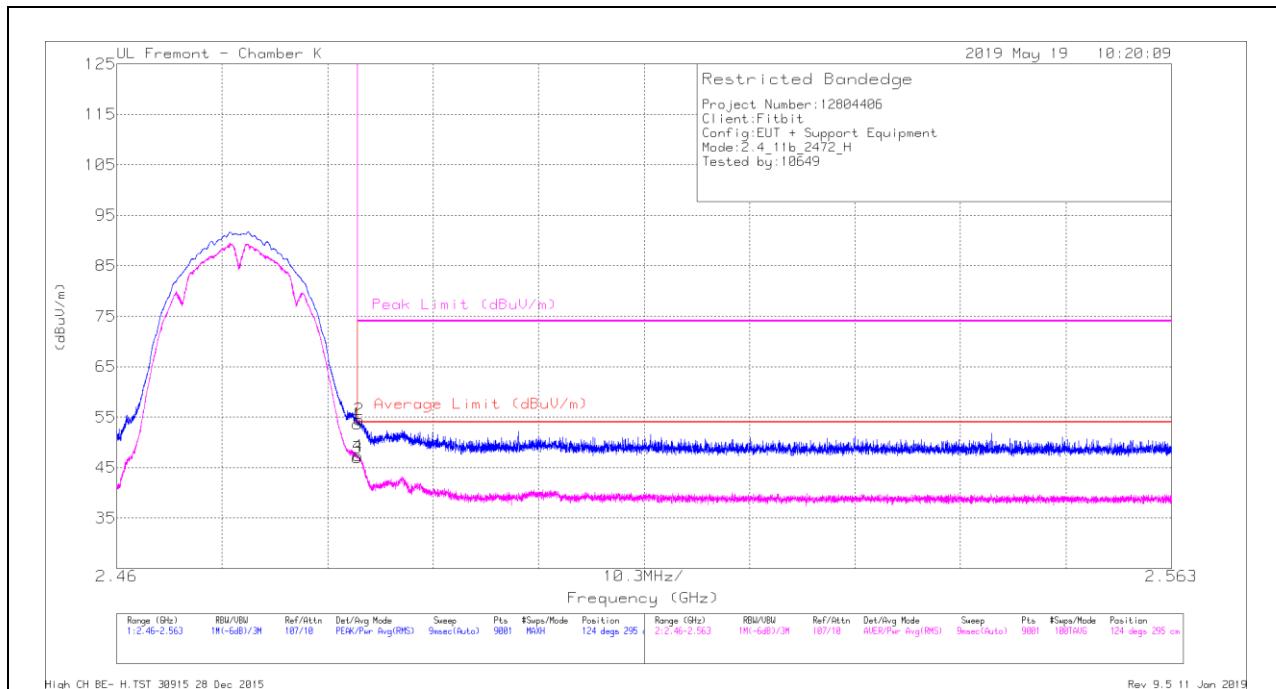


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Flt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.77	Pk	32.6	-24.8	55.57	-	-	74	-18.43	5	333	V
2	* 2.484	48.64	Pk	32.6	-24.8	56.44	-	-	74	-17.56	5	333	V
3	* 2.484	39.34	RMS	32.6	-24.8	47.14	54	-6.86	-	-	5	333	V
4	* 2.484	42.35	RMS	32.6	-24.8	50.15	54	-3.85	-	-	5	333	V

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

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



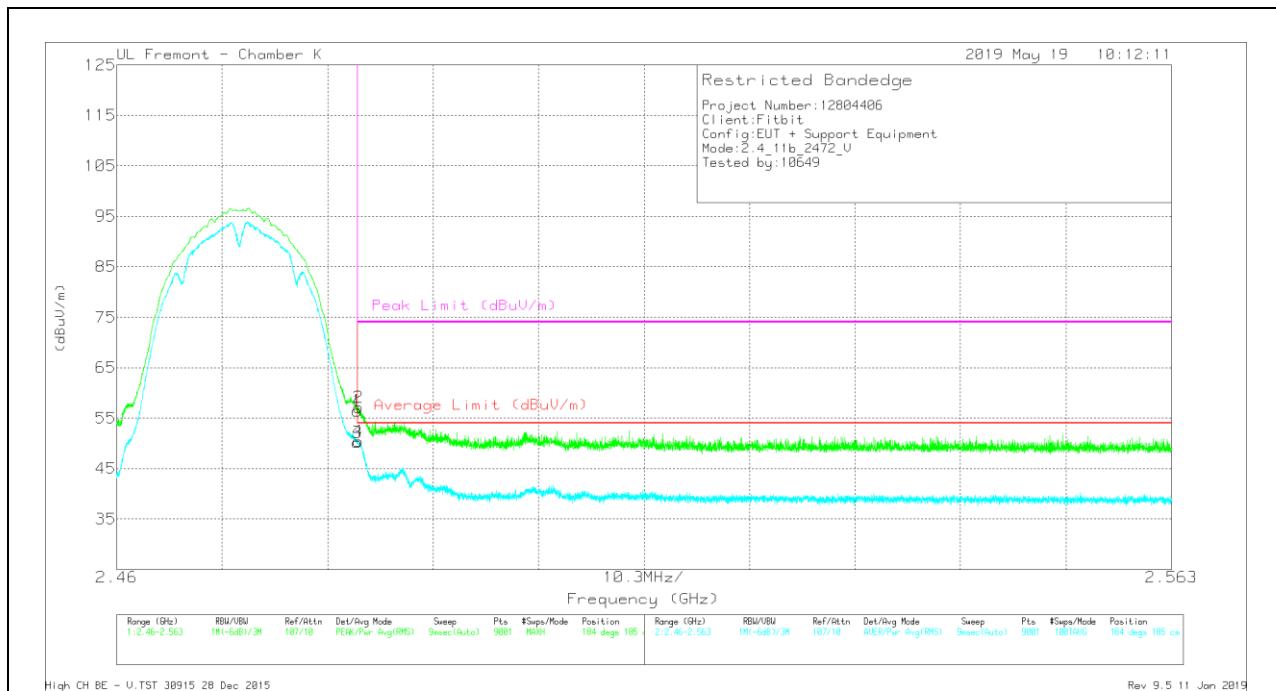
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Flt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.88	Pk	32.6	-24.8	53.68	-	-	74	-20.32	124	295	H
2	* 2.484	46.71	Pk	32.6	-24.8	54.51	-	-	74	-19.49	124	295	H
3	* 2.484	39.17	RMS	32.6	-24.8	46.97	54	-7.03	-	-	124	295	H
4	* 2.484	39.54	RMS	32.6	-24.8	47.34	54	-6.66	-	-	124	295	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 T863 (dB/m)	Amp/Cbl/Fltr /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	* 2.484	48.64	Pk	32.6	-24.8	56.44	-	-	74	-17.56	184	185	V
2	* 2.484	49.29	Pk	32.6	-24.8	57.09	-	-	74	-16.91	184	185	V
3	* 2.484	42.36	RMS	32.6	-24.8	50.16	54	-3.84	-	-	184	185	V
4	* 2.484	42.59	RMS	32.6	-24.8	50.39	54	-3.61	-	-	184	185	V

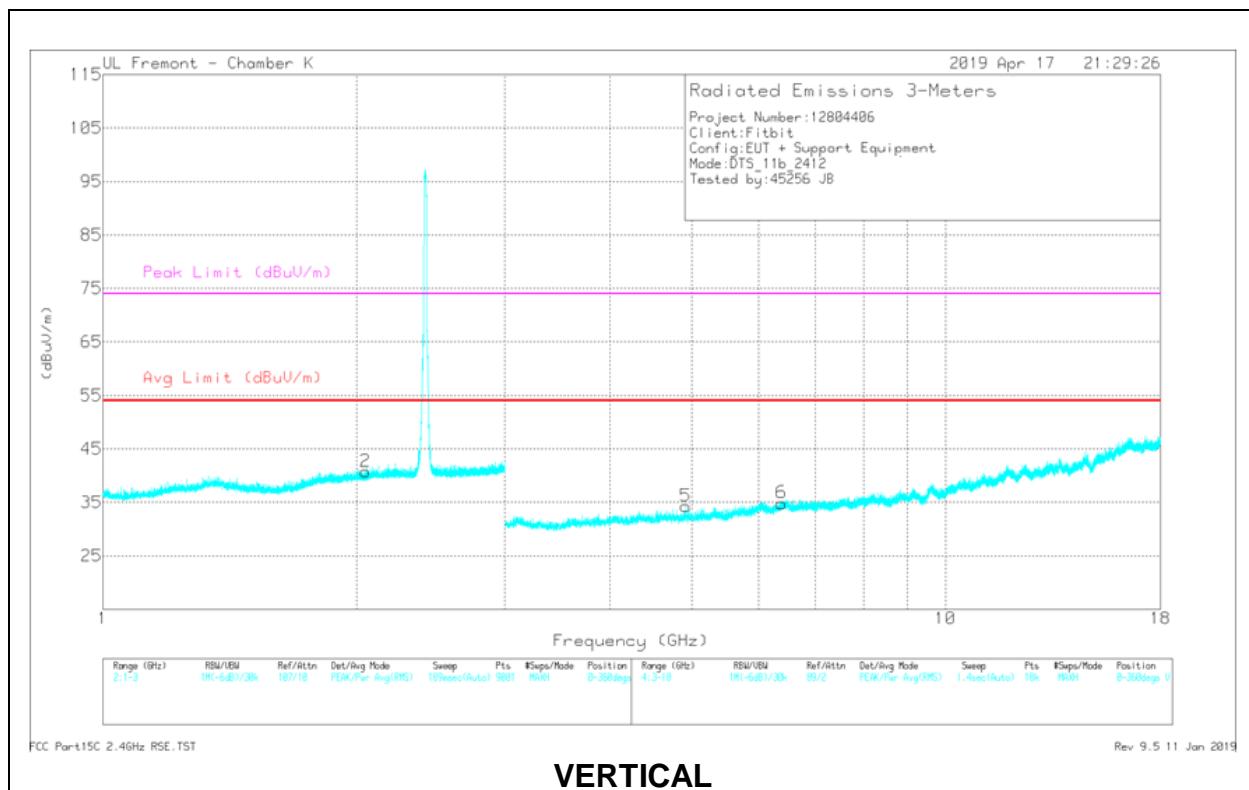
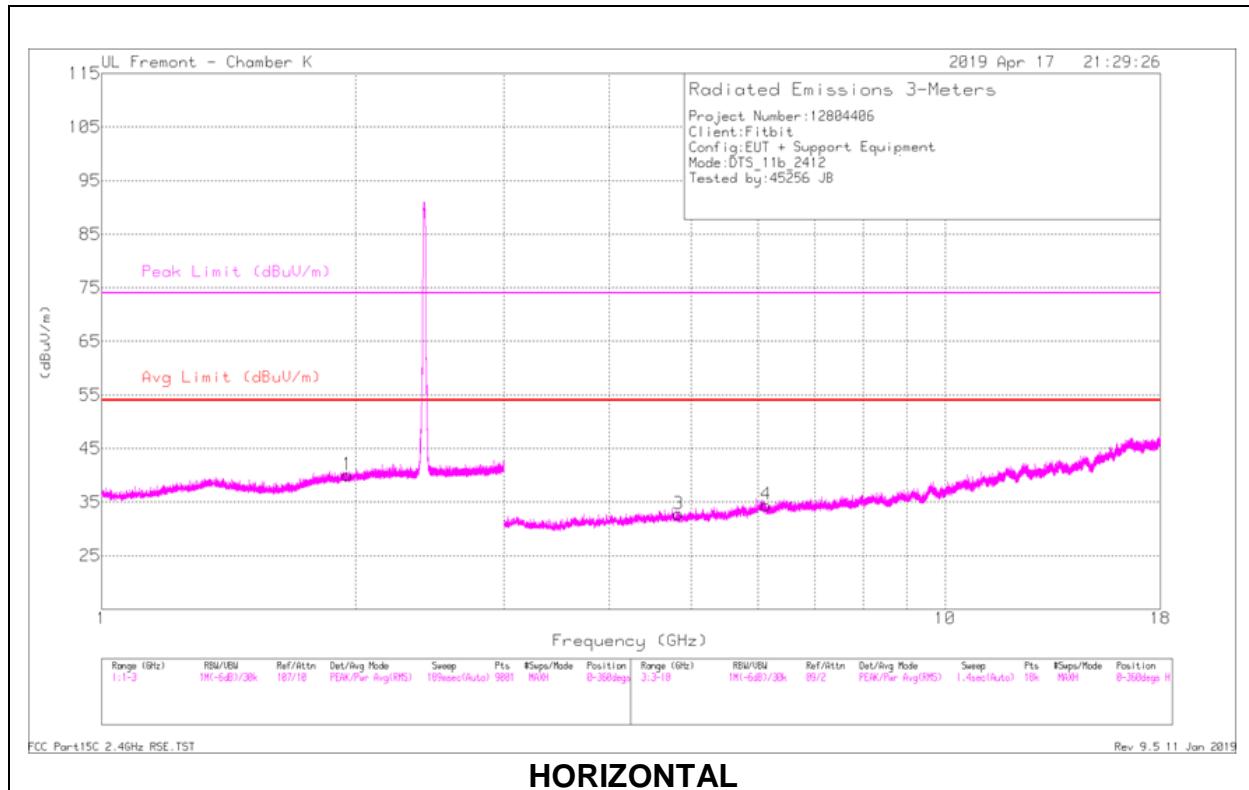
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 T344 (dB/m)	Amp/Cbl/Fltr/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	1.957	33.45	Pk	30.8	-24.2	0	40.05	-	-	-	-	0-360	100	H
2	2.049	34.14	Pk	31.2	-24.6	0	40.74	-	-	-	-	0-360	200	V
3	* 4.827	36.23	PK2	34.1	-30.4	0	39.93	-	-	74	-34.07	311	243	H
	* 4.83	26.36	MAv1	34.1	-30.4	0	30.06	54	-23.94	-	-	311	243	H
4	6.14	26.78	Pk	35.3	-27.6	0	34.48	-	-	-	-	0-360	200	H
5	* 4.92	37.53	PK2	34.1	-30.6	0	41.03	-	-	74	-32.97	187	154	V
	* 4.919	27.07	MAv1	34.1	-30.6	0	30.57	54	-23.43	-	-	187	154	V
6	6.391	26.14	Pk	35.4	-26.7	0	34.84	-	-	-	-	0-360	101	V

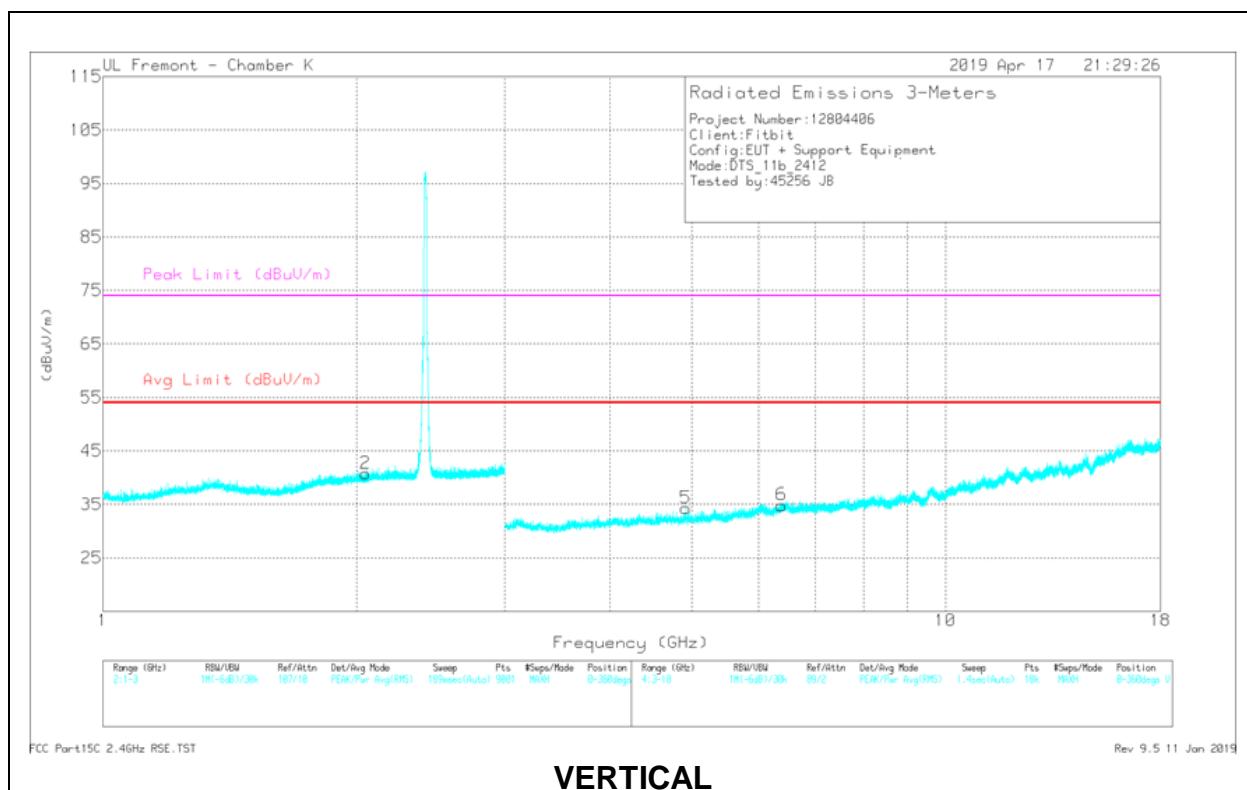
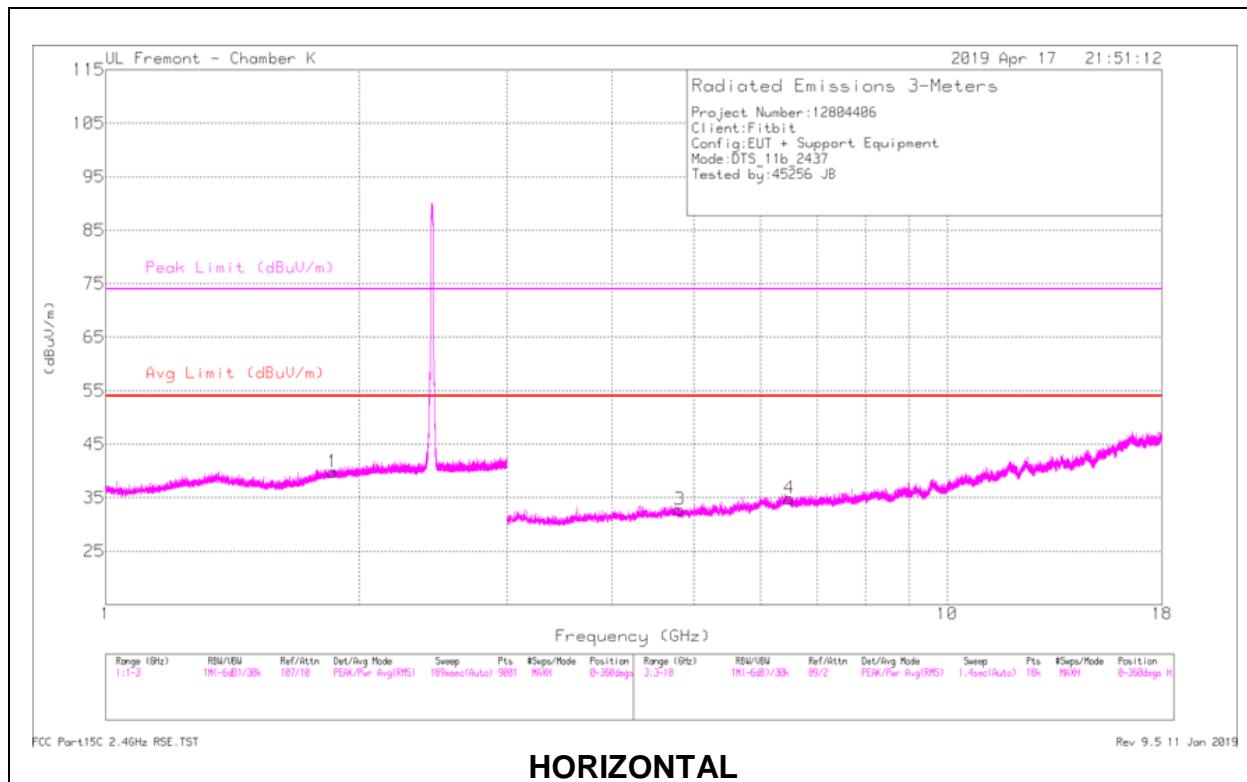
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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 T344 (dB/m)	Amp/Cbl/Fltr/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	1.862	33.48	Pk	30.4	-24.1	0	39.78	-	-	-	-	0-360	200	H
2	1.966	33.59	Pk	30.9	-24.4	0	40.09	-	-	-	-	0-360	200	V
3	* 4.81	36.46	PK2	34.2	-30.3	0	40.36	-	-	74	-33.64	239	179	H
	* 4.812	25.75	MAv1	34.2	-30.3	0	29.65	54	-24.35	-	-	239	179	H
4	6.498	25.97	Pk	35.4	-26.5	0	34.87	-	-	-	-	0-360	200	H
5	* 4.892	37.49	PK2	34.1	-30.4	0	41.19	-	-	74	-32.81	337	112	V
	* 4.892	26.8	MAv1	34.1	-30.4	0	30.5	54	-23.5	-	-	337	112	V
6	6.573	25.95	Pk	35.4	-27.2	0	34.15	-	-	-	-	0-360	200	V

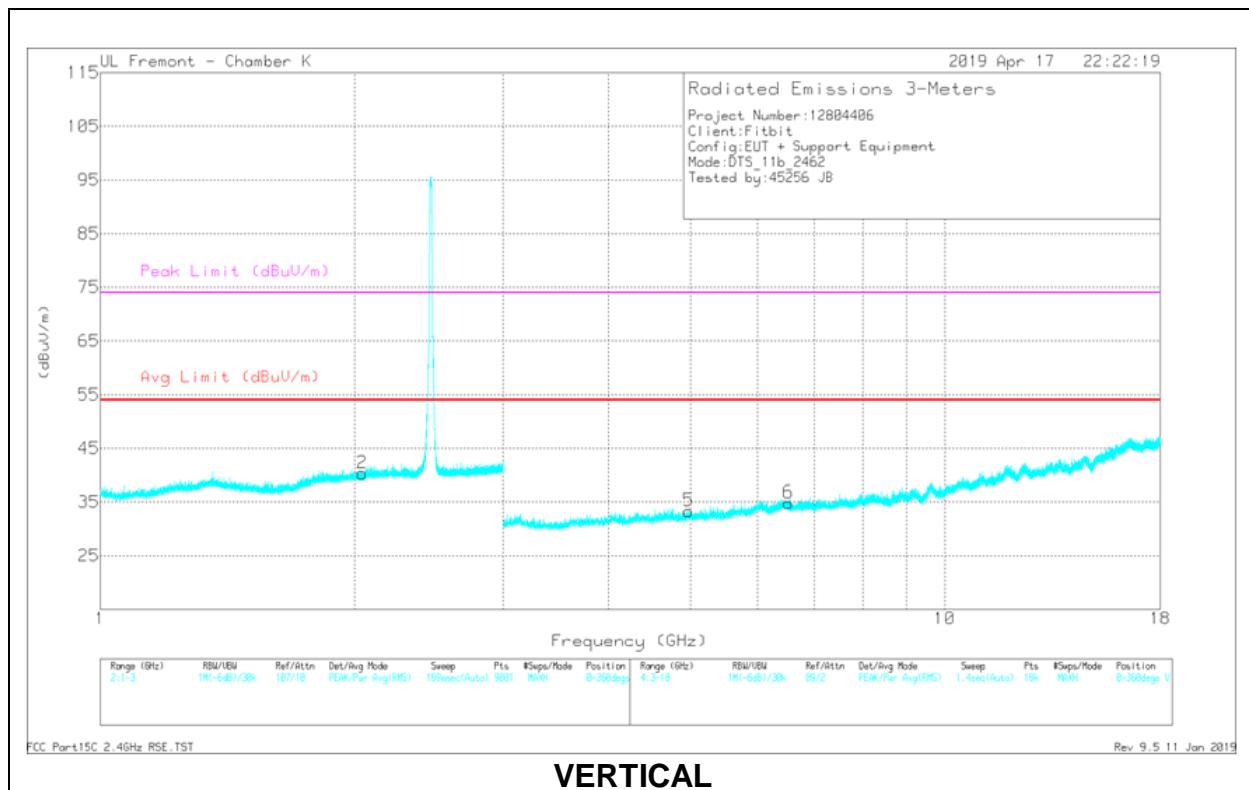
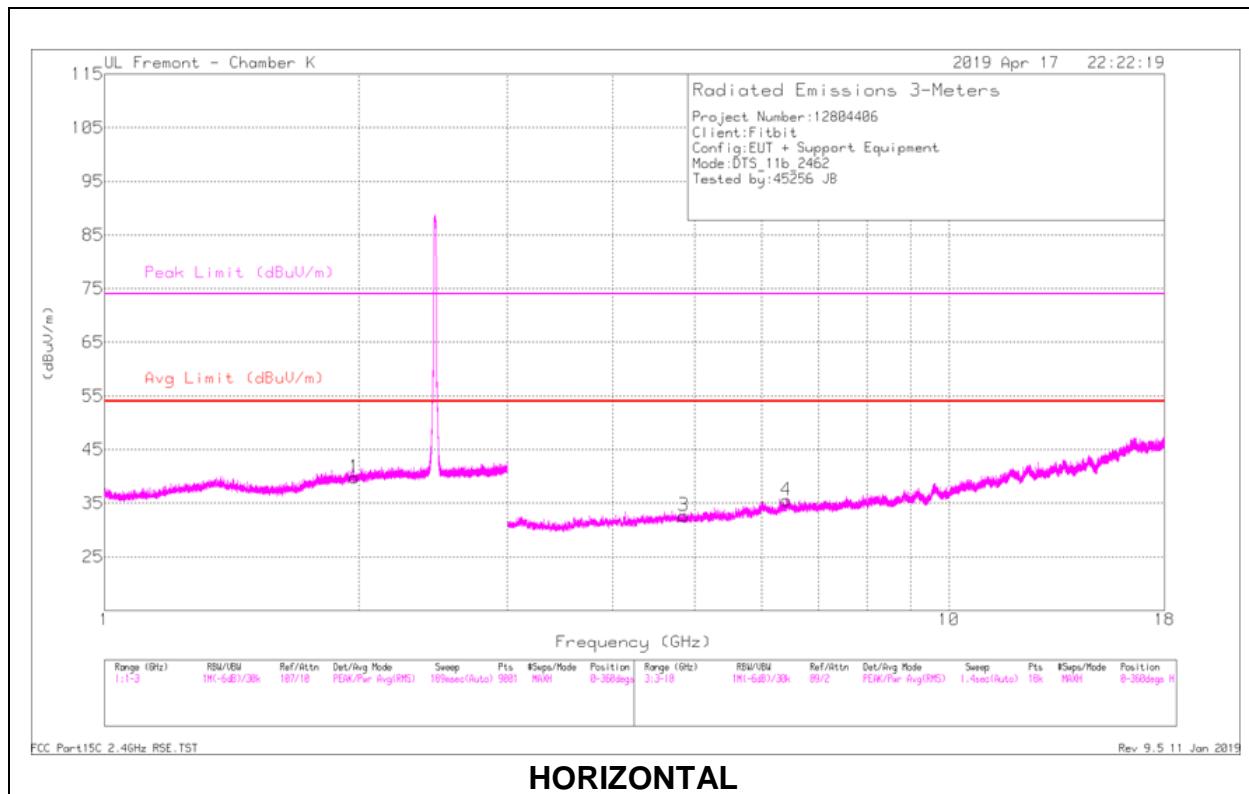
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

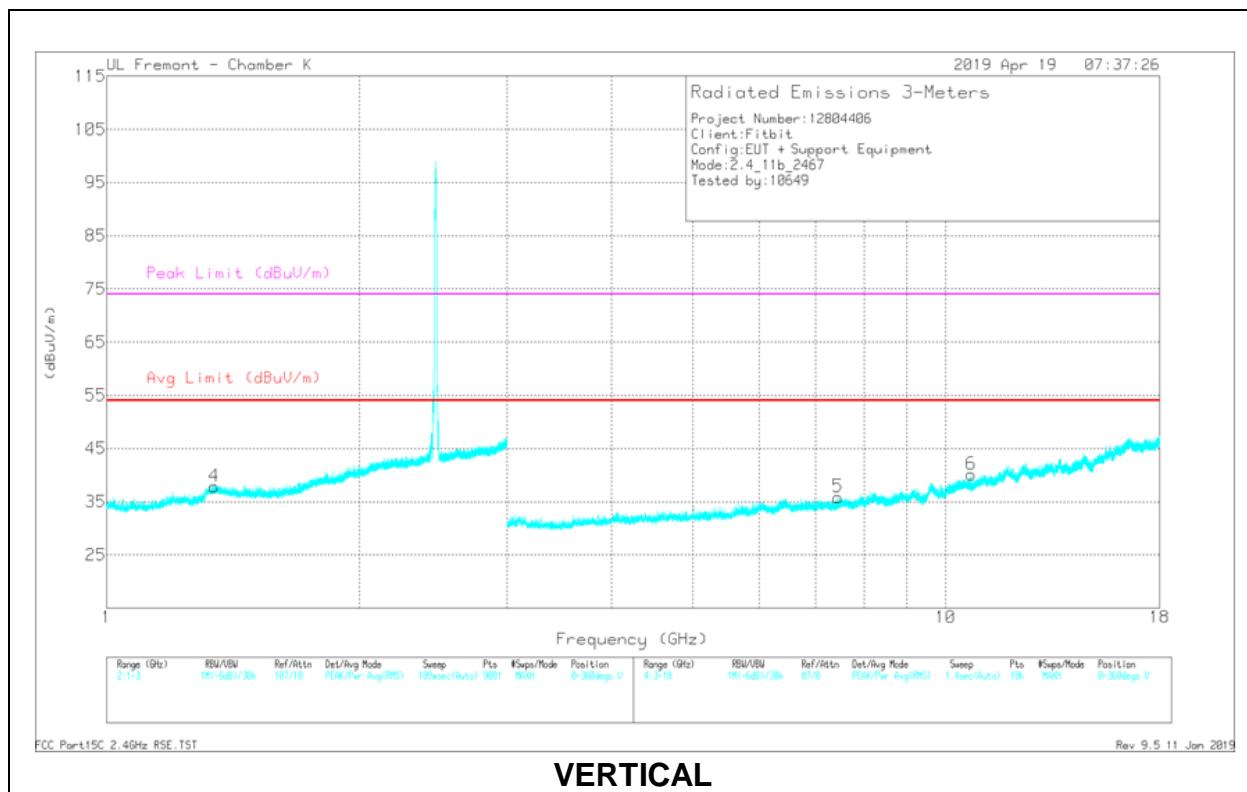
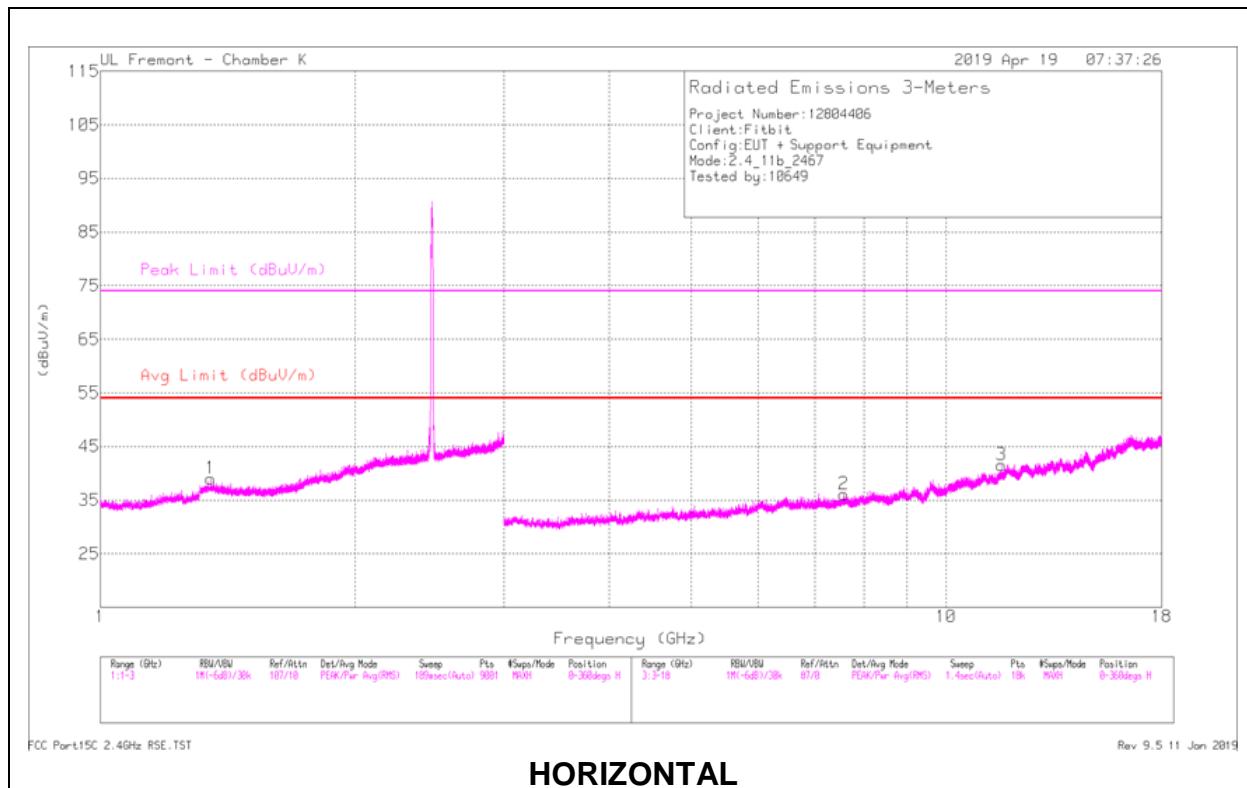
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.976	33.29	Pk	30.9	-24.4	0	39.79	-	-	-	-	0-360	101	H
2	2.042	33.66	Pk	31.2	-24.5	0	40.36	-	-	-	-	0-360	101	V
3	* 4.85	36.18	PK2	34.1	-30.4	0	39.88	-	-	74	-34.12	143	267	H
	* 4.849	26.58	MAv1	34.1	-30.4	0	30.28	54	-23.72	-	-	143	267	H
4	6.418	26.55	Pk	35.4	-26.4	0	35.55	-	-	-	-	0-360	101	H
5	* 4.974	35.98	PK2	34.2	-30.6	0	39.58	-	-	74	-34.42	211	123	V
	* 4.974	27.31	MAv1	34.2	-30.6	0	30.91	54	-23.09	-	-	211	123	V
6	6.531	26.32	Pk	35.4	-26.9	0	34.82	-	-	-	-	0-360	101	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 12 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/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	* 1.351	31.58	PK2	29.4	-16.9	44.08	-	-	74	-29.92	78	388	H
	* 1.352	22.82	MAv1	29.4	-16.9	35.32	54	-18.68	-	-	78	388	H
4	* 1.346	30.44	PK2	29.4	-16.9	42.94	-	-	74	-31.06	143	364	V
	* 1.344	22.42	MAv1	29.4	-16.9	34.92	54	-19.08	-	-	143	364	V
2	* 7.572	31.74	PK2	35.6	-25.3	42.04	-	-	74	-31.96	193	133	H
	* 7.57	23.12	MAv1	35.6	-25.3	33.42	54	-20.58	-	-	193	133	H
3	* 11.636	28.75	PK2	38.2	-20.3	46.65	-	-	74	-27.35	130	259	H
	* 11.634	19.81	MAv1	38.2	-20.3	37.71	54	-16.29	-	-	130	259	H
5	* 7.45	33.64	PK2	35.5	-26.1	43.04	-	-	74	-30.96	315	235	V
	* 7.447	23.61	MAv1	35.5	-26.2	32.91	54	-21.09	-	-	315	235	V
6	* 10.725	29.57	PK2	37.9	-22.1	45.37	-	-	74	-28.63	302	287	V
	* 10.726	20.36	MAv1	37.9	-22.1	36.16	54	-17.84	-	-	302	287	V

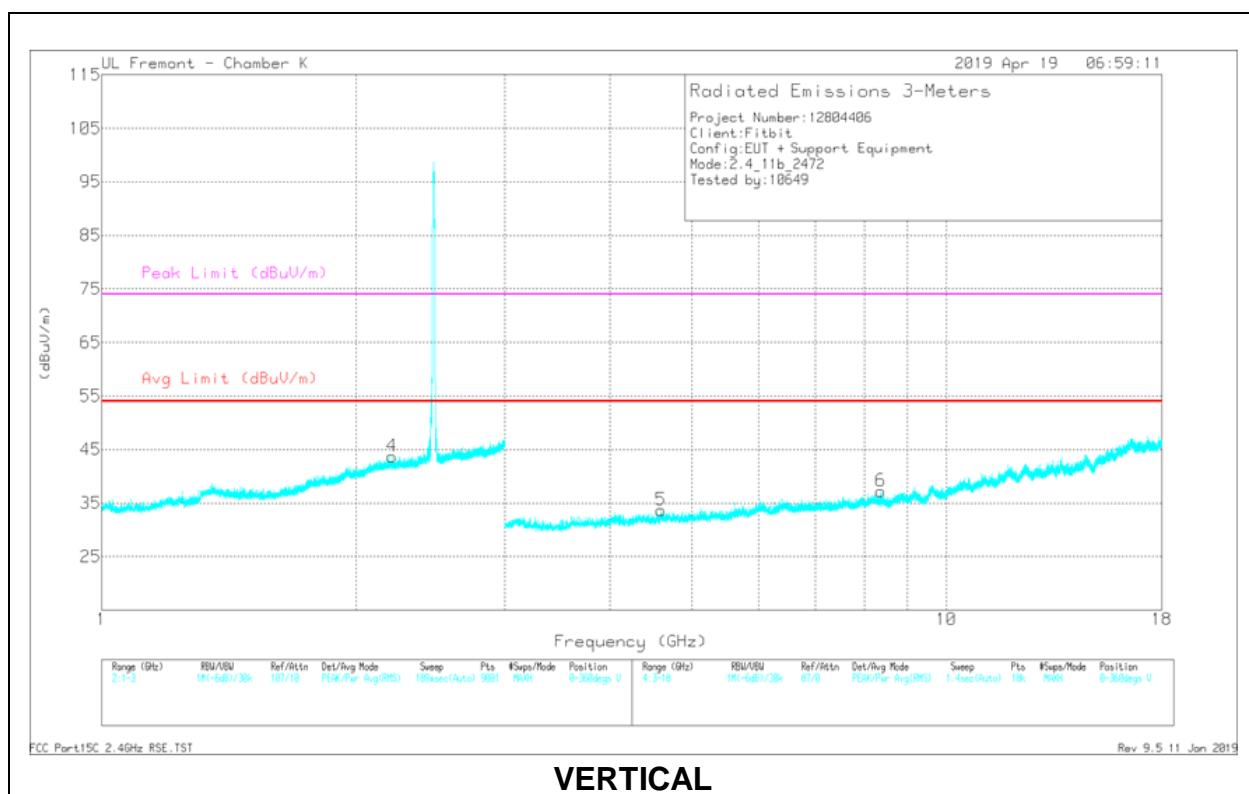
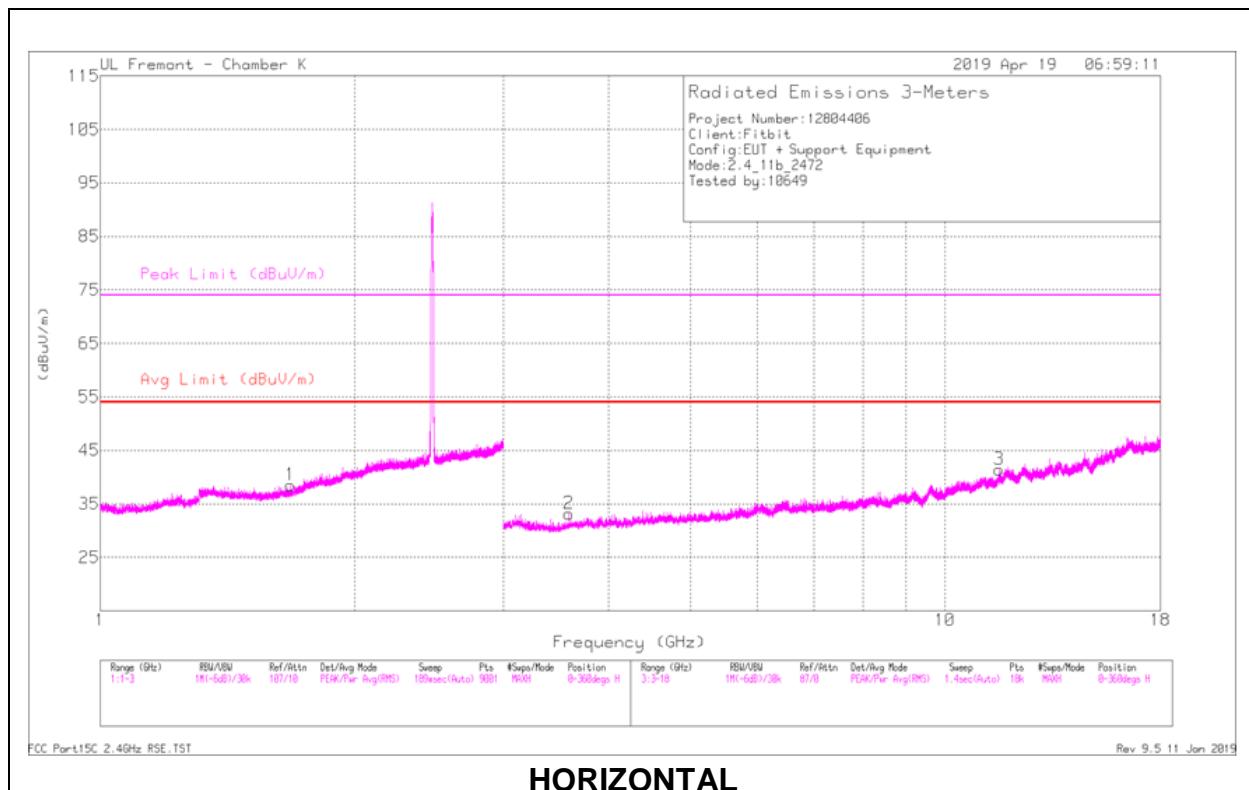
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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 T344 (dB/m)	Amp/Cbl/Filt r/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	* 1.682	31.68	PK2	28.7	-16.1	44.28	-	-	74	-29.72	356	297	H
	* 1.681	22.57	MAv1	28.7	-16.1	35.17	54	-18.83	-	-	356	297	H
4	* 2.209	30.85	PK2	31.8	-14.6	48.05	-	-	74	-25.95	321	244	V
	* 2.209	22.79	MAv1	31.8	-14.6	39.99	54	-14.01	-	-	321	244	V
3	* 11.596	29.49	PK2	38.2	-20.5	47.19	-	-	74	-26.81	55	275	H
	* 11.596	20.62	MAv1	38.2	-20.5	38.32	54	-15.68	-	-	55	275	H
2	* 3.588	36.39	PK2	33	-32.3	37.09	-	-	74	-36.91	267	311	H
	* 3.586	28.55	MAv1	33	-32.2	29.35	54	-24.65	-	-	267	311	H
5	* 4.6	35.38	PK2	34.1	-31	38.48	-	-	74	-35.52	27	198	V
	* 4.6	28.07	MAv1	34.1	-31	31.17	54	-22.83	-	-	27	198	V
6	* 8.373	31.65	PK2	35.7	-24.3	43.05	-	-	74	-30.95	95	217	V
	* 8.371	22.57	MAv1	35.7	-24.3	33.97	54	-20.03	-	-	95	217	V

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

Pk - Peak detector

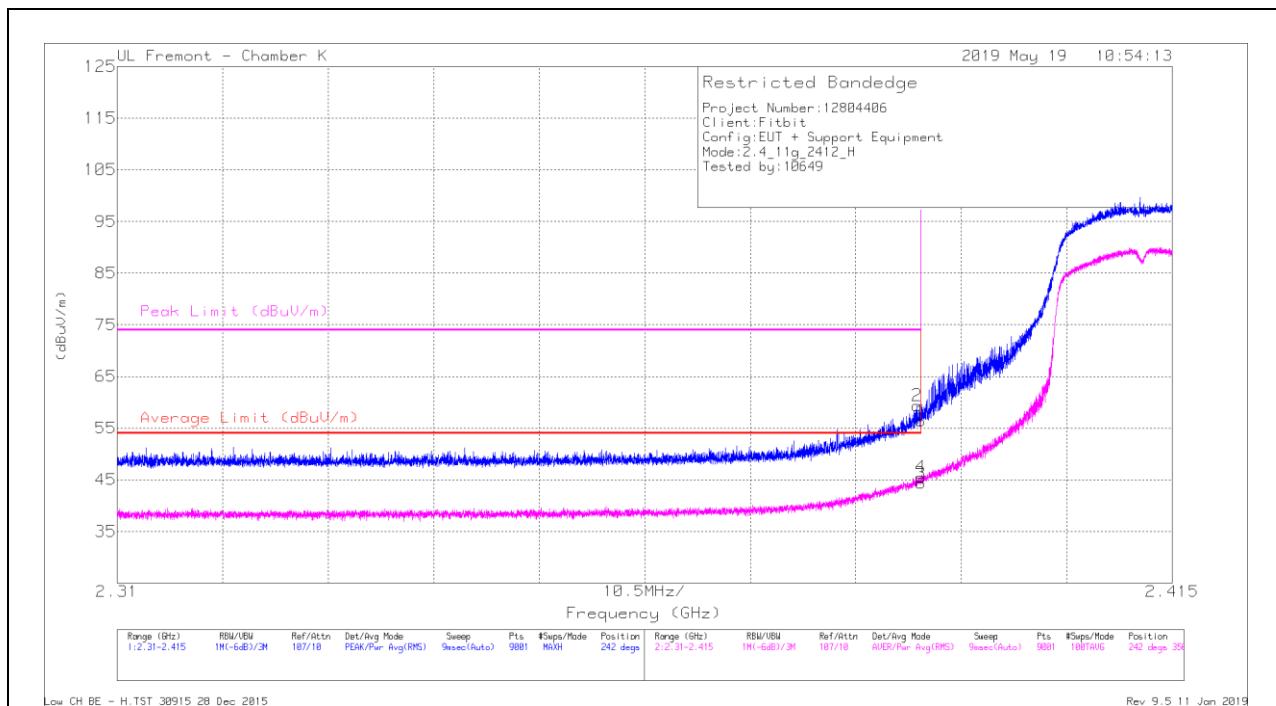
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



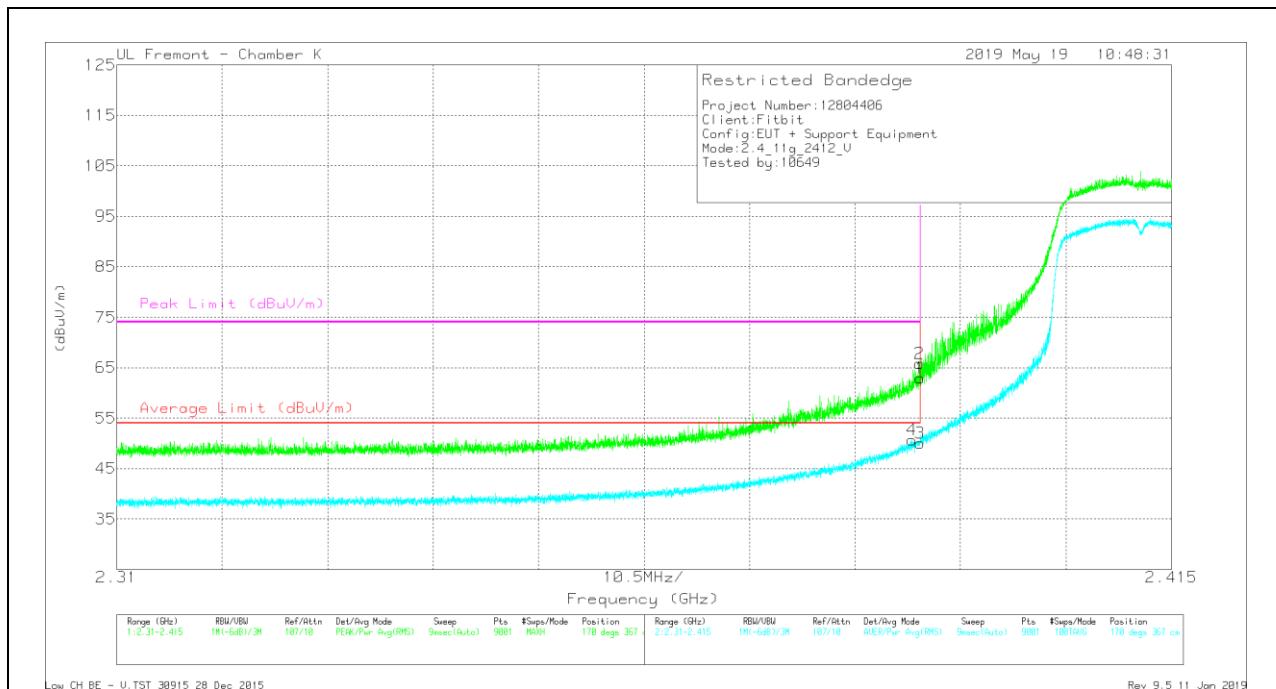
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Flt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.78	Pk	32.3	-24.7	56.38	-	-	74	-17.62	242	356	H
2	* 2.39	51.75	Pk	32.3	-24.7	59.35	-	-	74	-14.65	242	356	H
3	* 2.39	36.74	RMS	32.3	-24.7	44.34	54	-9.66	-	-	242	356	H
4	* 2.39	37.88	RMS	32.3	-24.7	45.48	54	-8.52	-	-	242	356	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 T863 (dB/m)	Amp/Cbl/Fltr /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	55.3	Pk	32.3	-24.7	62.9	-	-	74	-11.1	170	367	V
2	* 2.39	58.19	Pk	32.3	-24.7	65.79	-	-	74	-8.21	170	367	V
3	* 2.39	42.44	RMS	32.3	-24.7	50.04	54	-3.96	-	-	170	367	V
4	* 2.389	43.03	RMS	32.3	-24.7	50.63	54	-3.37	-	-	170	367	V

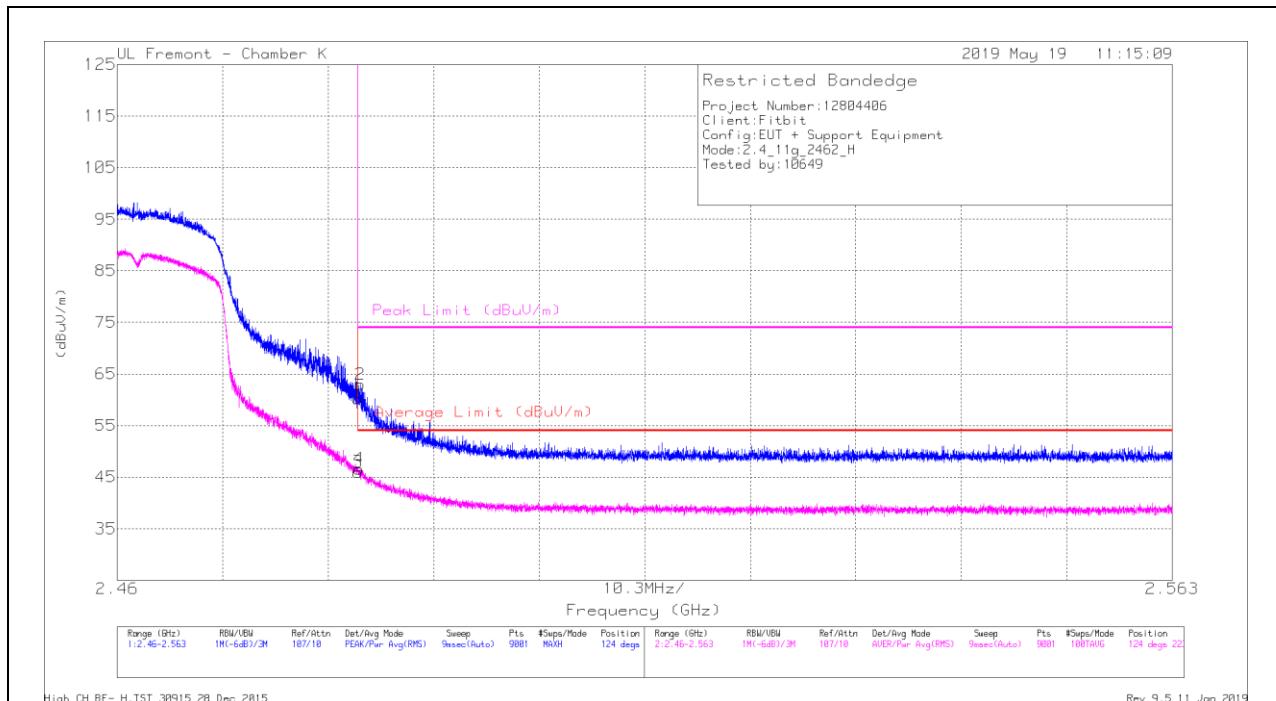
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



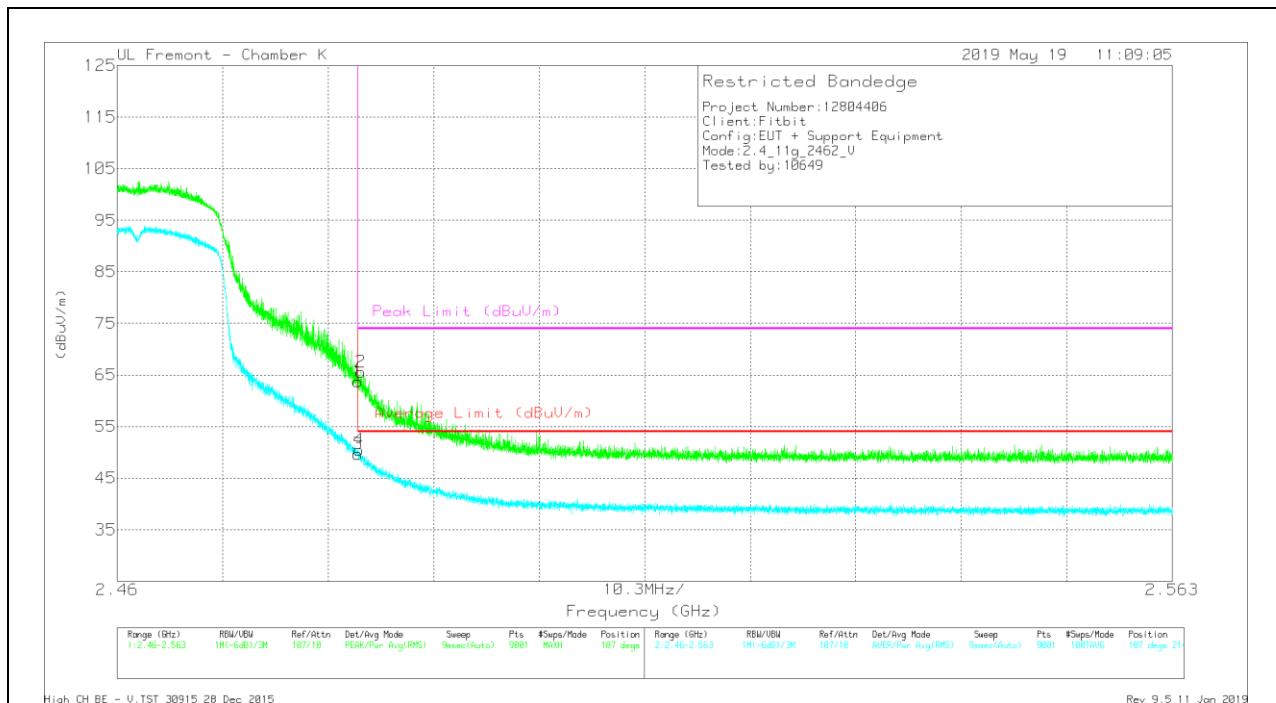
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	Marker
1	* 2.484	52.39	Pk	32.6	-24.8	60.19	-	-	74	-13.81	124	223	H	1
2	* 2.484	55.17	Pk	32.6	-24.8	62.97	-	-	74	-11.03	124	223	H	2
3	* 2.484	38.16	RMS	32.6	-24.8	45.96	54	-8.04	-	-	124	223	H	3
4	* 2.484	38.8	RMS	32.6	-24.8	46.6	54	-7.4	-	-	124	223	H	4

* - 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 T863 (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	Marker
1	* 2.484	55.94	Pk	32.6	-24.8	63.74	-	-	74	-10.26	187	214	V	1
2	* 2.484	57.79	Pk	32.6	-24.8	65.59	-	-	74	-8.41	187	214	V	2
3	* 2.484	41.87	RMS	32.6	-24.8	49.67	54	-4.33	-	-	187	214	V	3
4	* 2.484	42.69	RMS	32.6	-24.8	50.49	54	-3.51	-	-	187	214	V	4

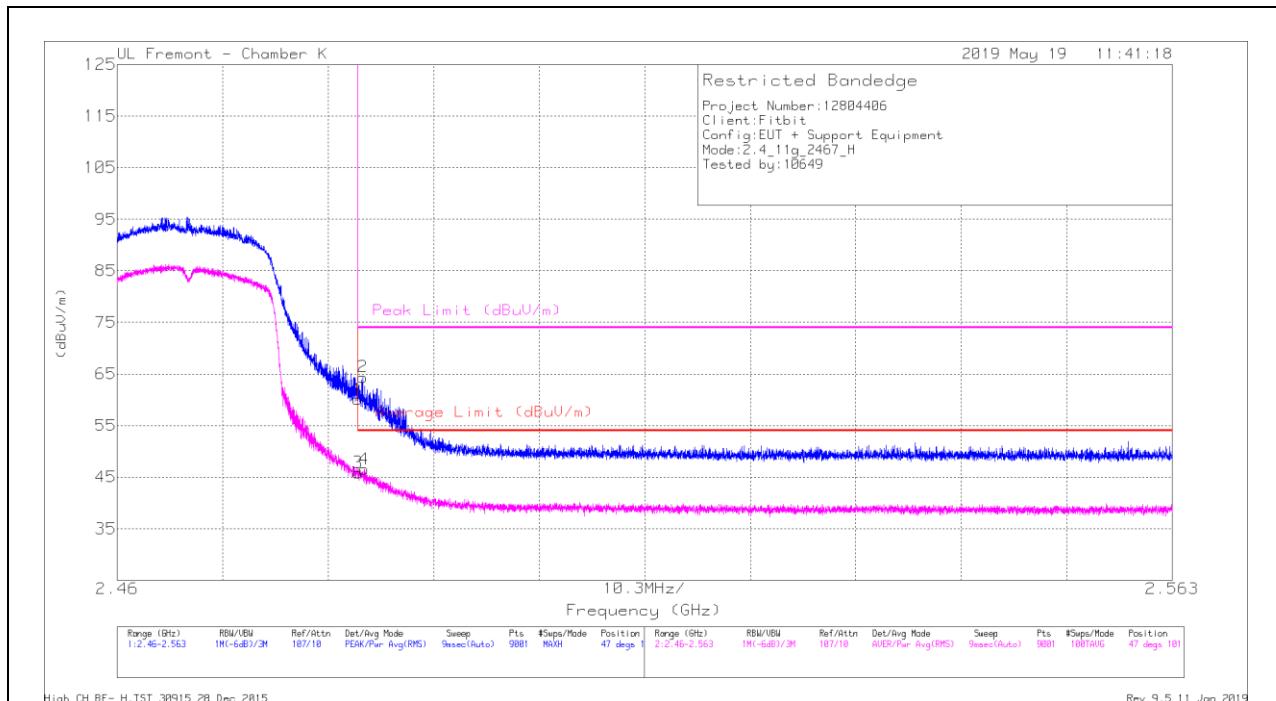
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT

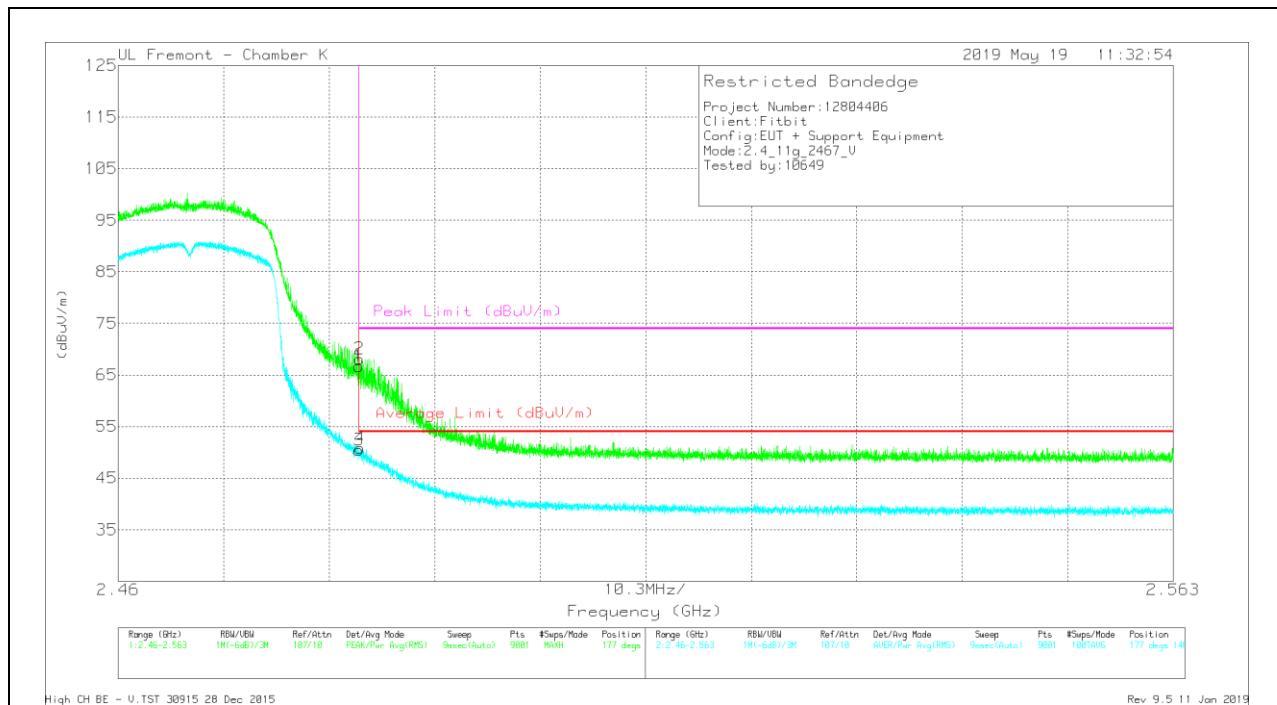


* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	Marker
1	* 2.484	58.93	Pk	32.6	-24.8	66.73	-	-	74	-7.27	177	148	V	1
2	* 2.484	60.34	Pk	32.6	-24.8	68.14	-	-	74	-5.86	177	148	V	2
3	* 2.484	42.65	RMS	32.6	-24.8	50.45	54	-3.55	-	-	177	148	V	3
4	* 2.484	42.99	RMS	32.6	-24.8	50.79	54	-3.21	-	-	177	148	V	4

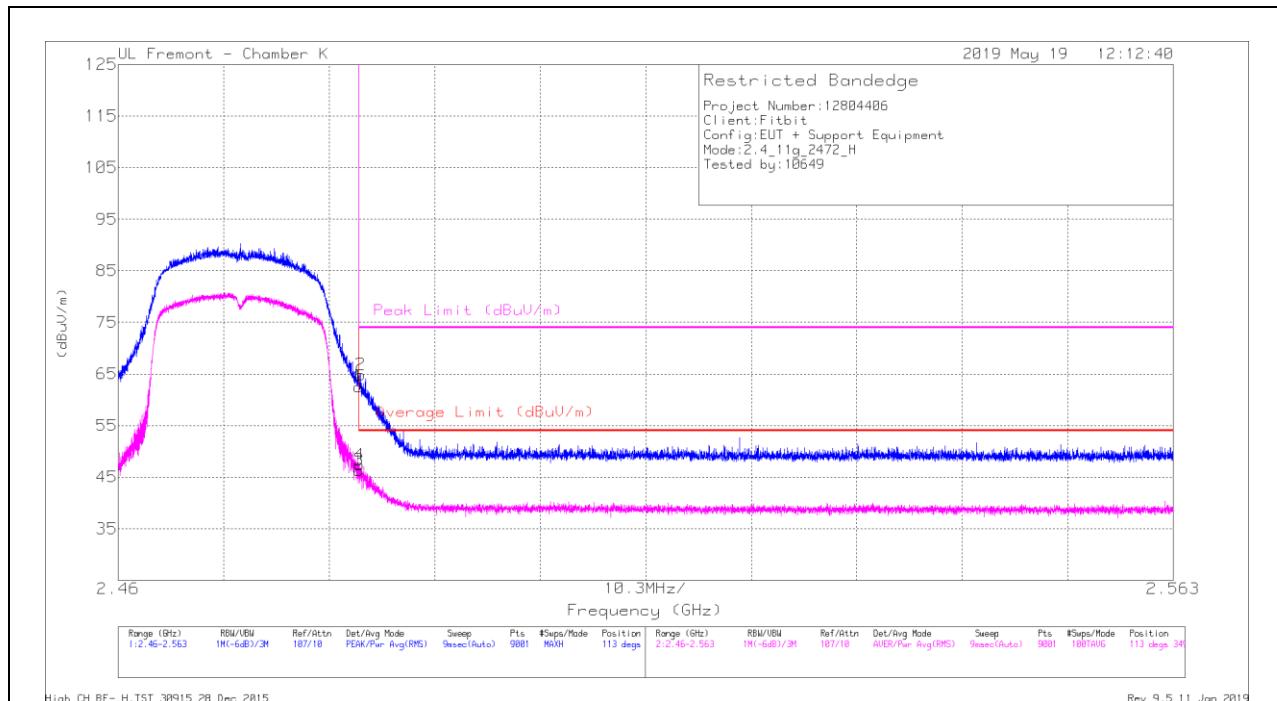
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



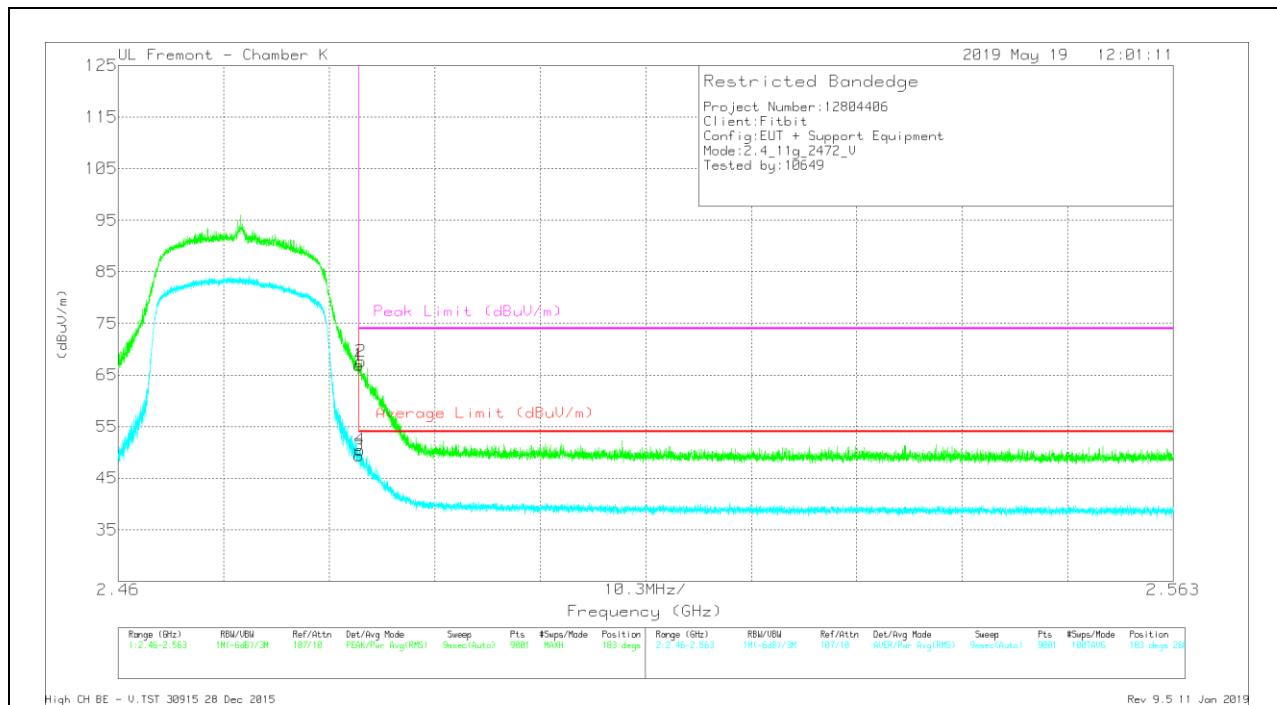
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.76	Pk	32.6	-24.8	62.56	-	-	74	-11.44	113	349	H
2	* 2.484	57.06	Pk	32.6	-24.8	64.86	-	-	74	-9.14	113	349	H
3	* 2.484	38.56	RMS	32.6	-24.8	46.36	54	-7.64	-	-	113	349	H
4	* 2.484	39.58	RMS	32.6	-24.8	47.38	54	-6.62	-	-	113	349	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 T863 (dB/m)	Amp/Cbl/Fltr /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	* 2.484	59.11	Pk	32.6	-24.8	66.91	-	-	74	-7.09	183	268	V
2	* 2.484	59.83	Pk	32.6	-24.8	67.63	-	-	74	-6.37	183	268	V
3	* 2.484	41.59	RMS	32.6	-24.8	49.39	54	-4.61	-	-	183	268	V
4	* 2.484	42.69	RMS	32.6	-24.8	50.49	54	-3.51	-	-	183	268	V

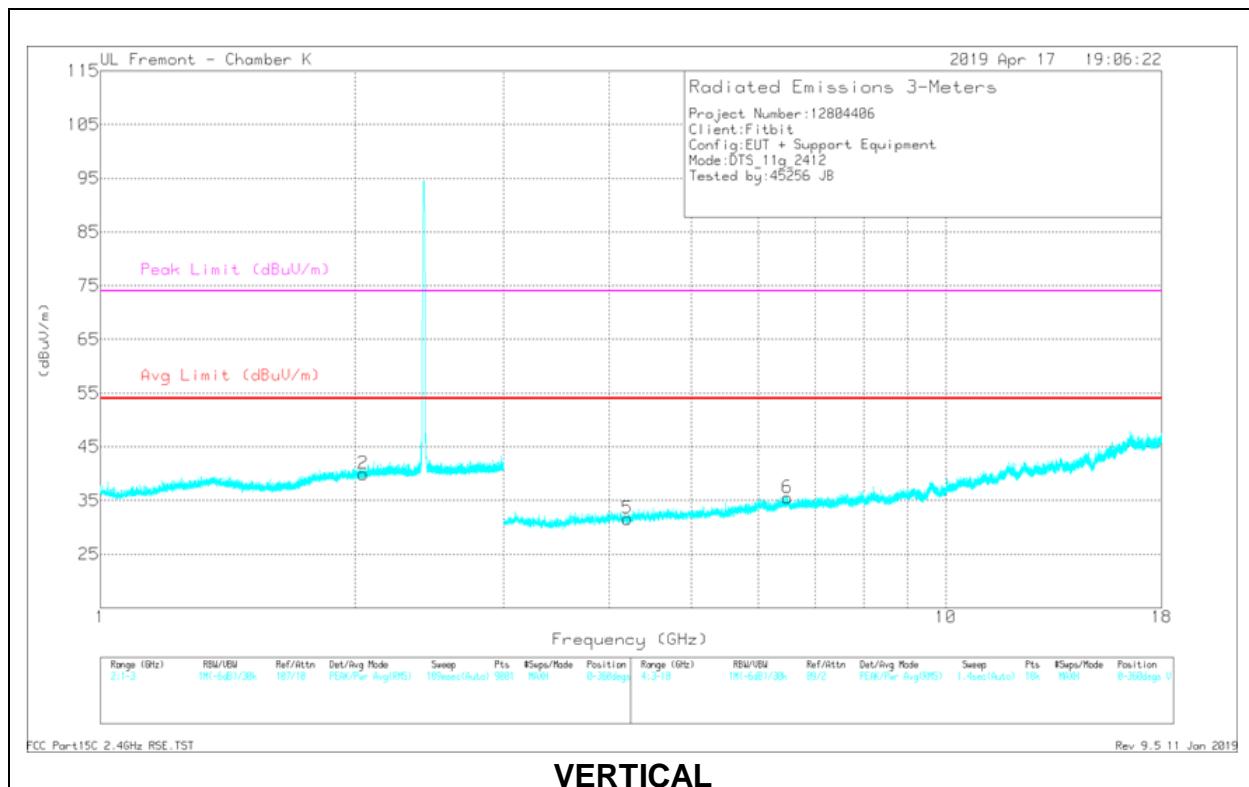
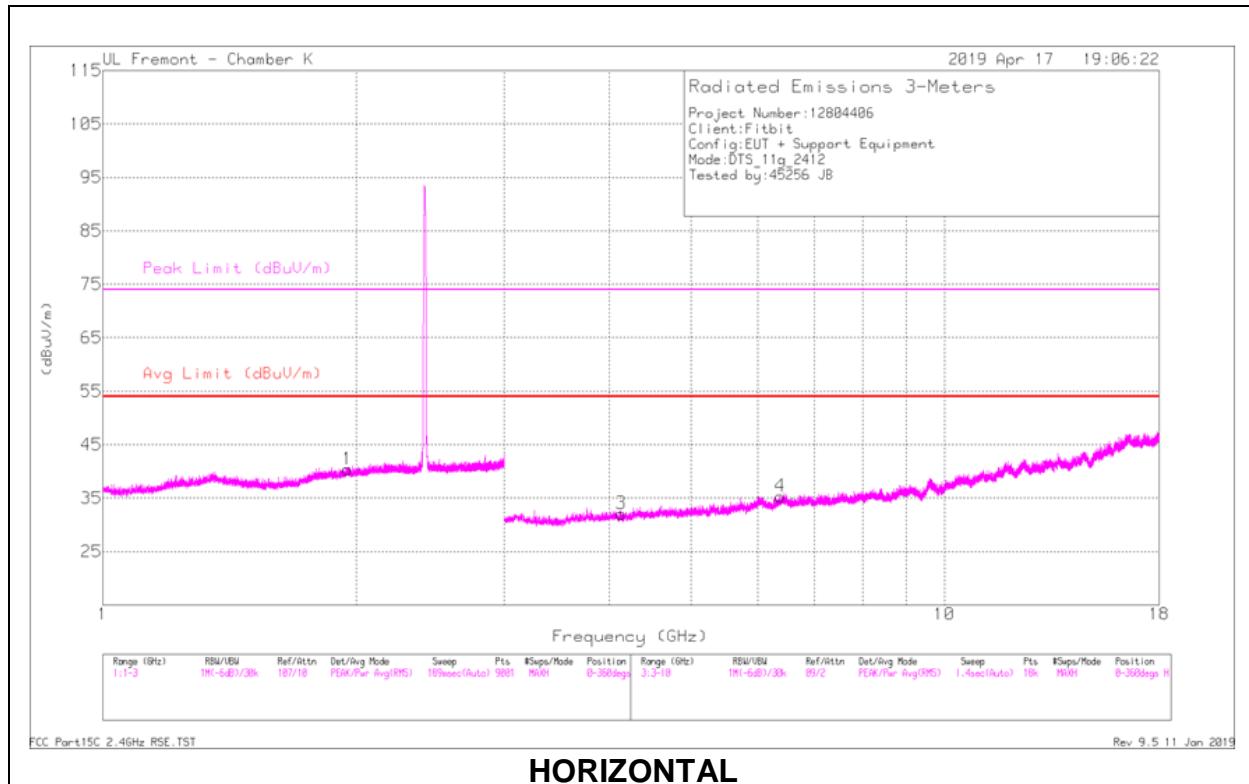
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 T344 (dB/m)	Amp/Cbl/Fltr/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	1.953	33.88	Pk	30.8	-24.3	0	40.38	-	-	-	-	0-360	200	H
2	2.045	33.28	Pk	31.2	-24.5	0	39.98	-	-	-	-	0-360	200	V
3	* 4.13	26.98	PK2	33.5	-30.7	0	29.78	-	-	74	-44.22	191	302	H
	* 4.128	27.03	MAv1	33.5	-30.7	0	29.83	54	-24.17	-	-	191	302	H
4	6.381	26.62	Pk	35.4	-26.7	0	35.32	-	-	-	-	0-360	101	H
5	* 4.199	37.09	PK2	33.3	-31	0	39.39	-	-	74	-34.61	35	288	V
	* 4.2	27.77	MAv1	33.3	-31	0	30.07	54	-23.93	-	-	35	288	V
6	6.498	26.62	Pk	35.4	-26.5	0	35.52	-	-	-	-	0-360	200	V

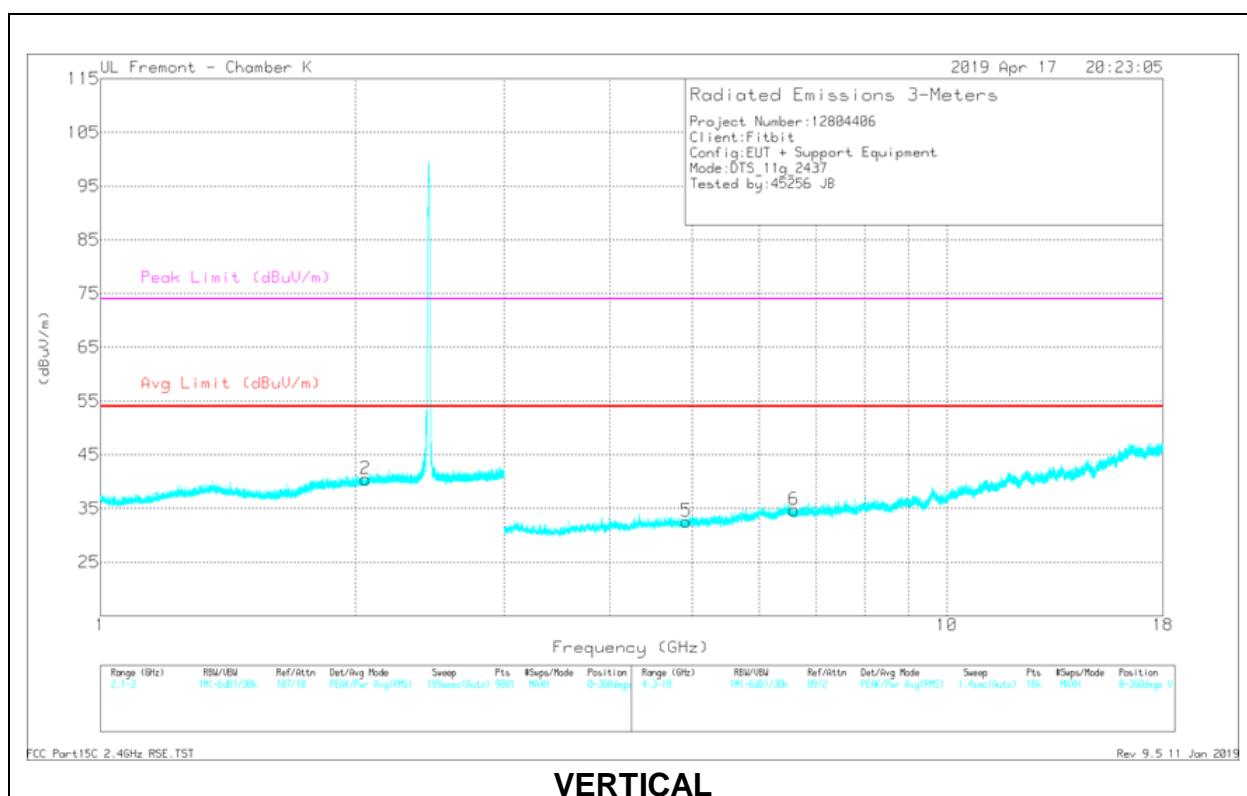
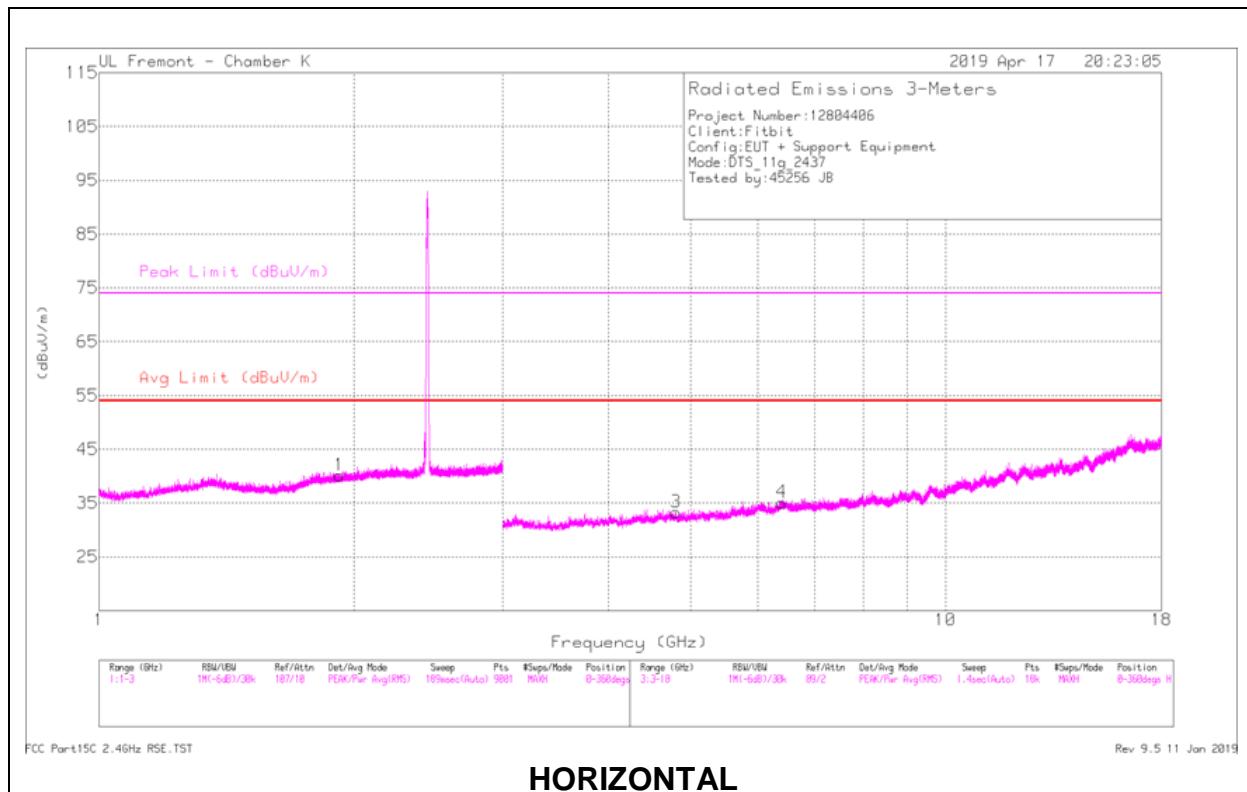
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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 T344 (dB/m)	Amp/Cbl/Fltr/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	1.923	33.74	Pk	30.6	-24.2	0	40.14	-	-	-	-	0-360	101	H
2	2.057	33.68	Pk	31.3	-24.5	0	40.48	-	-	-	-	0-360	200	V
3	* 4.803	36.25	PK2	34.2	-30.3	0	40.15	-	-	74	-33.85	49	390	H
	* 4.801	26.95	MAv1	34.2	-30.3	0	30.85	54	-23.15	-	-	49	390	H
4	6.404	26.28	Pk	35.4	-26.6	0	35.08	-	-	-	-	0-360	200	H
5	* 4.924	36.65	PK2	34.2	-30.6	0	40.25	-	-	74	-33.75	8	232	V
	* 4.925	27.2	MAv1	34.2	-30.6	0	30.8	54	-23.2	-	-	8	232	V
6	6.593	26.55	Pk	35.5	-27.3	0	34.75	-	-	-	-	0-360	200	V

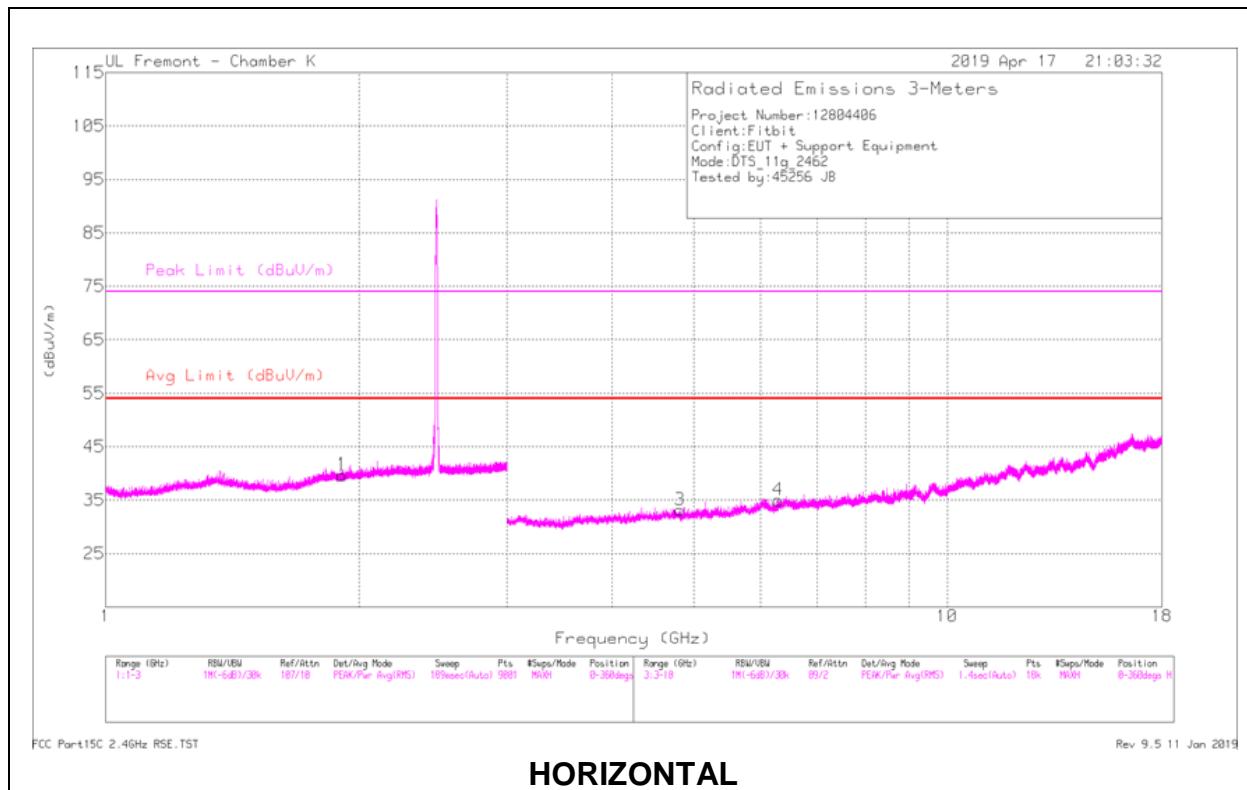
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

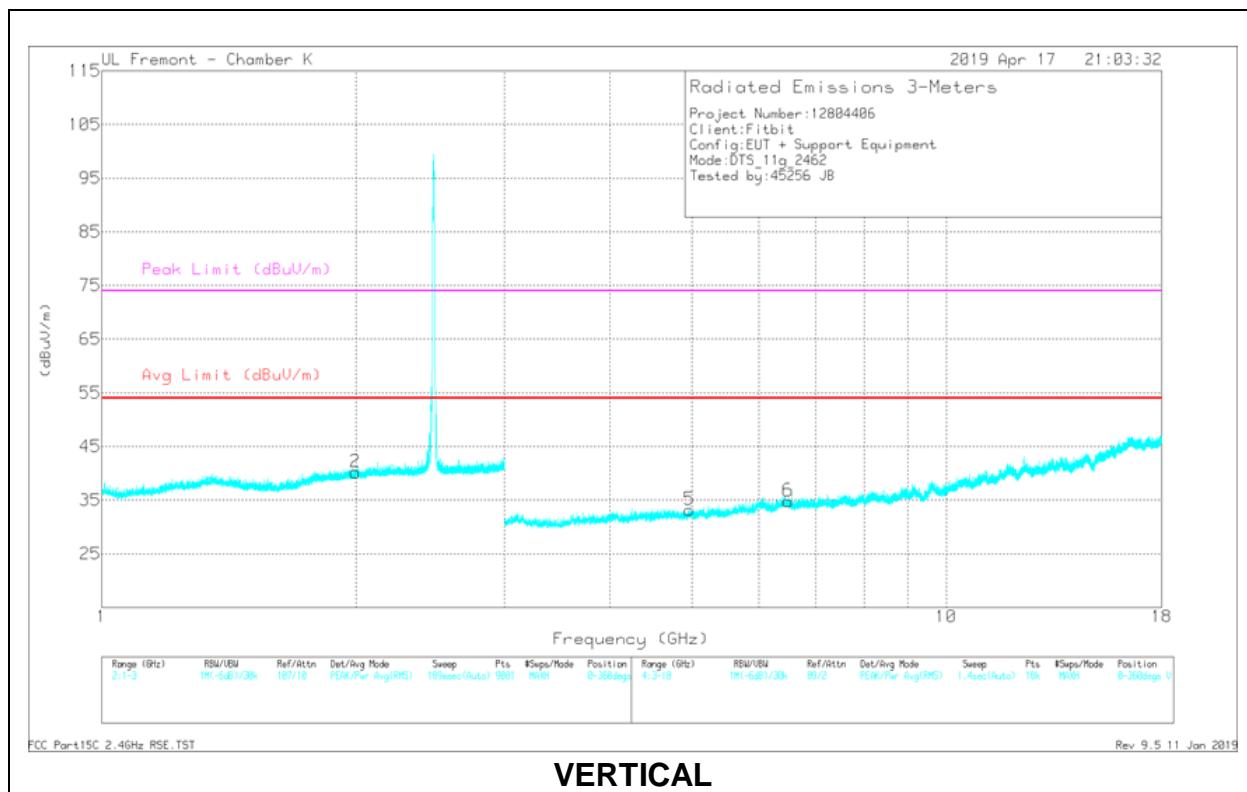
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/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	1.91	33.48	Pk	30.5	-24.3	0	39.68	-	-	-	-	0-360	200	H
2	1.998	33.63	Pk	31	-24.4	0	40.23	-	-	-	-	0-360	200	V
3	* 4.814	36.34	PK2	34.2	-30.4	0	40.14	-	-	74	-33.86	184	302	H
	* 4.814	26.5	MAv1	34.2	-30.4	0	30.3	54	-23.7	-	-	184	302	H
4	6.294	27.38	Pk	35.4	-27.8	0	34.98	-	-	-	-	0-360	200	H
5	* 4.967	37.49	PK2	34.2	-30.6	0	41.09	-	-	74	-32.91	59	224	V
	* 4.969	27.03	MAv1	34.2	-30.6	0	30.63	54	-23.37	-	-	59	224	V
6	6.499	25.92	Pk	35.4	-26.5	0	34.82	-	-	-	-	0-360	101	V

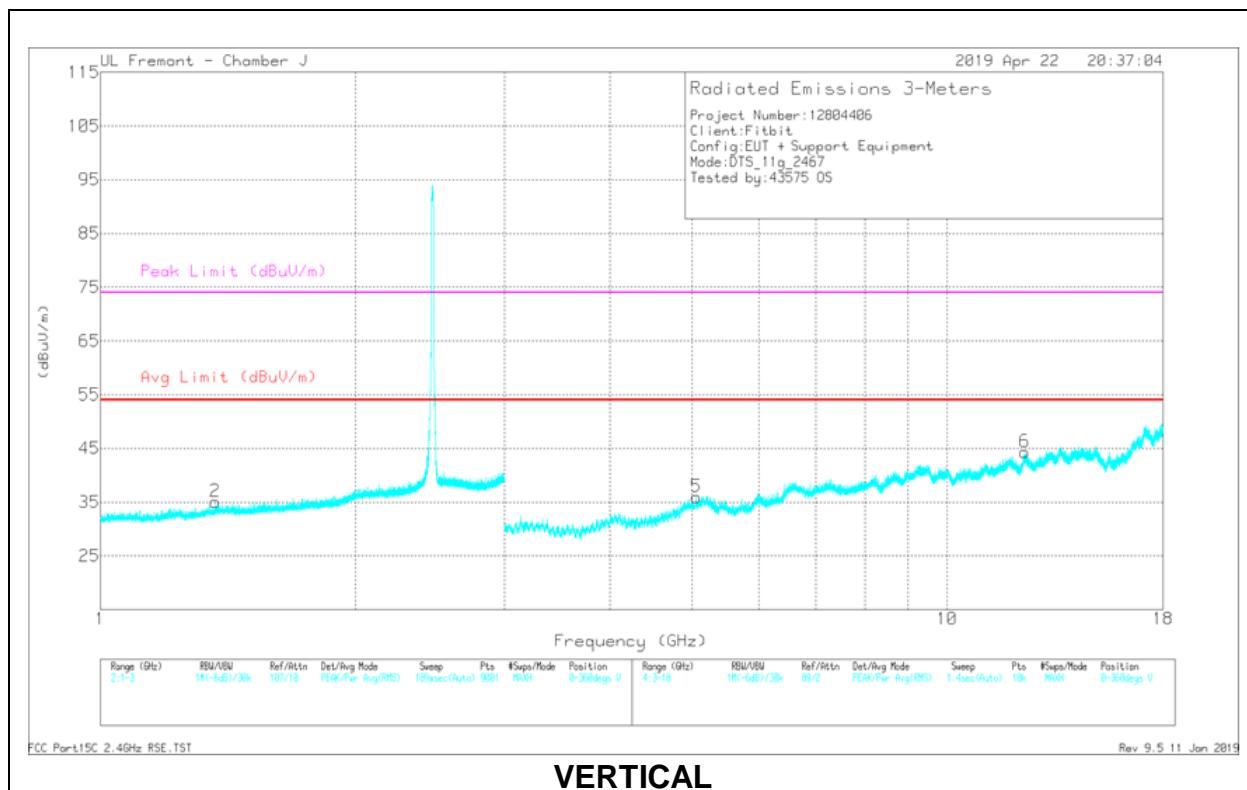
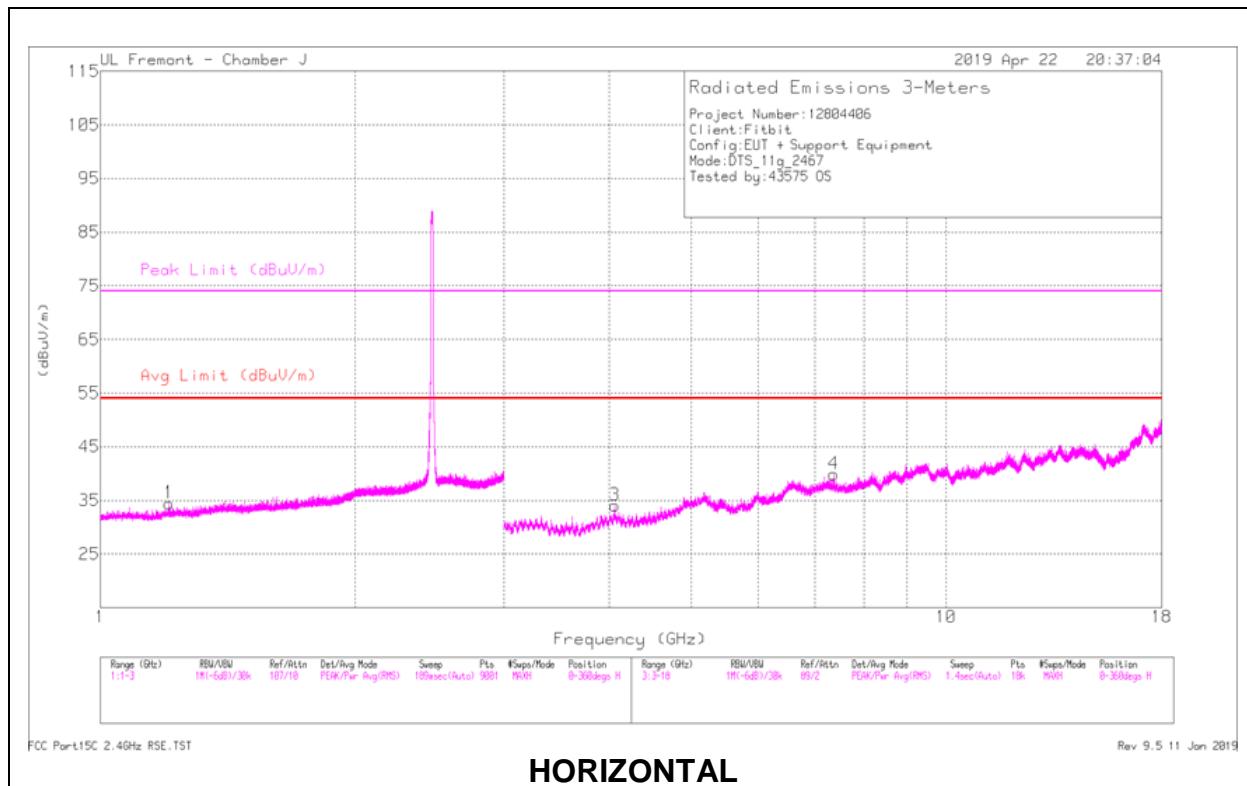
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 12 RESULTS



RADIATED EMISSIONS

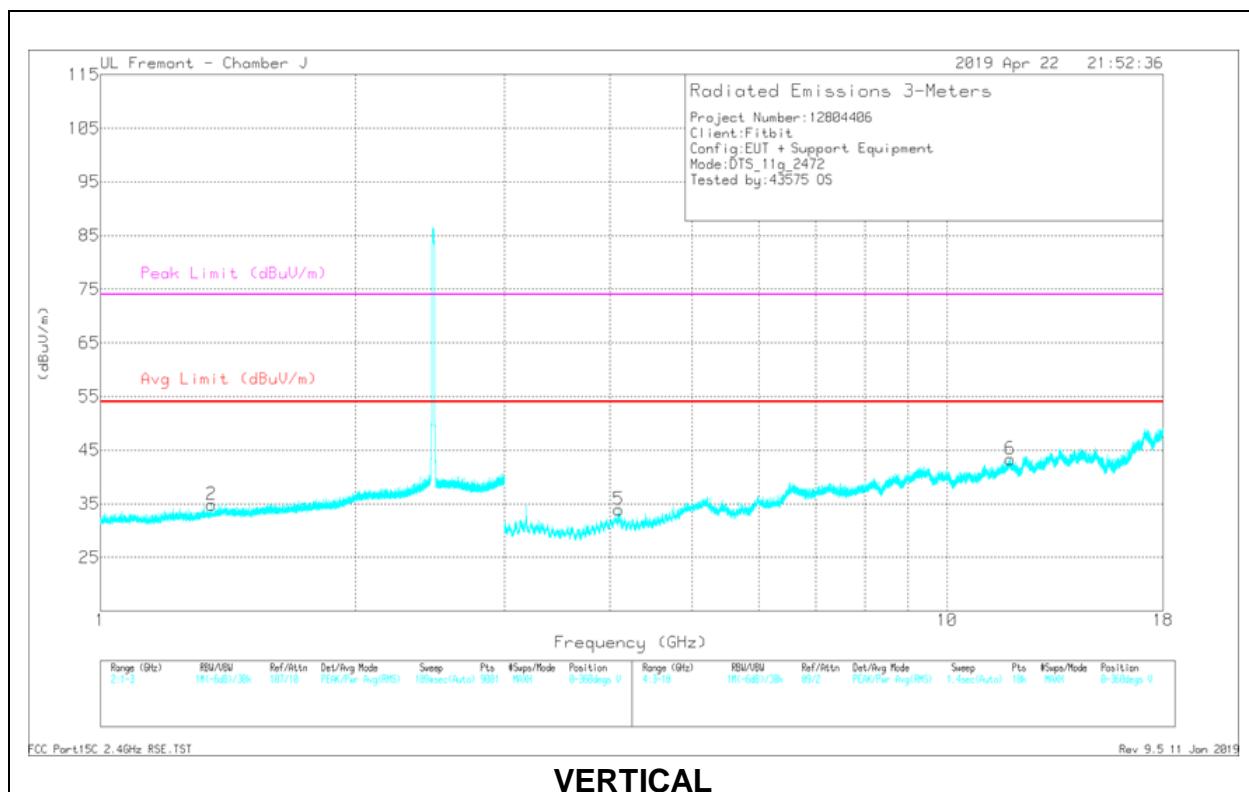
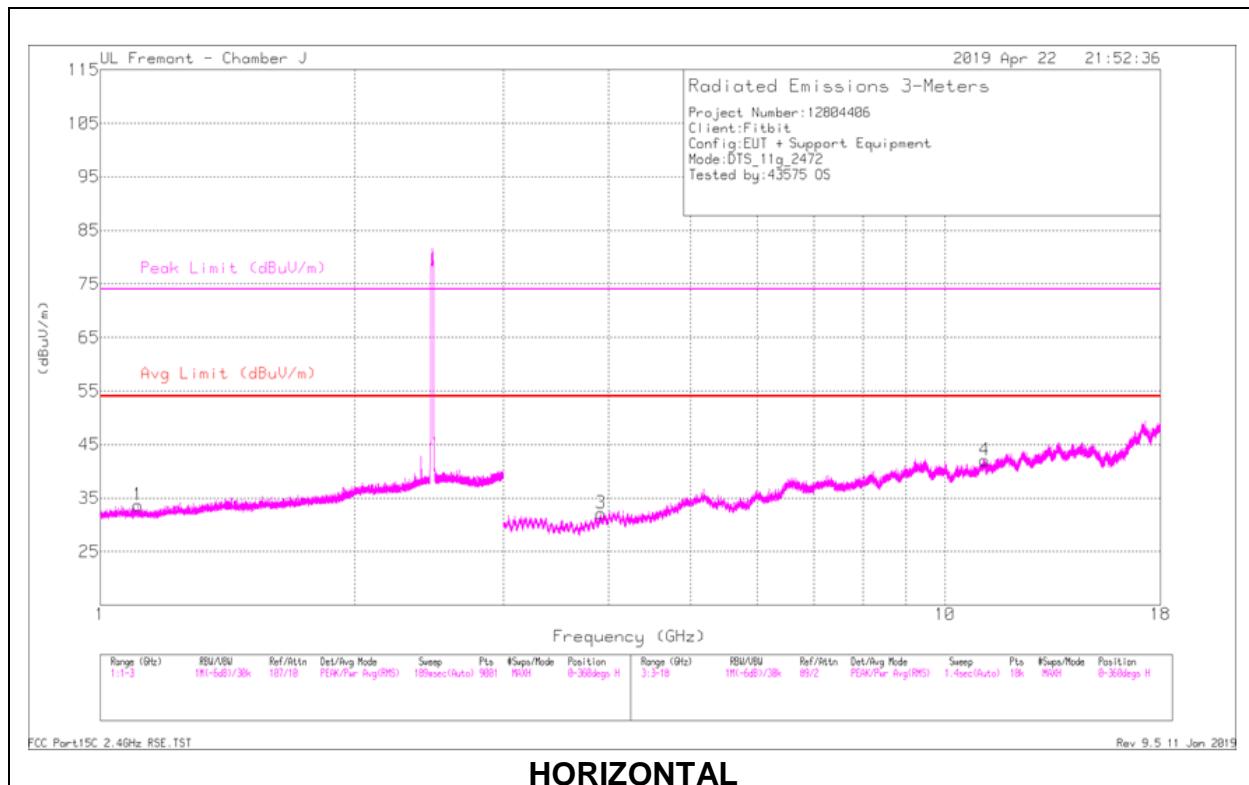
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE01890 55 (dB/m)	Amp/Cbl/Ft tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.208	43.22	PK2	24.1	-26	0	41.32	-	-	74	-32.68	341	194	H
	* 1.204	33.14	MAv1	24.1	-26	0	31.24	54	-22.76	-	-	341	194	H
2	* 1.366	43.05	PK2	24.9	-26.1	0	41.85	-	-	74	-32.15	122	353	V
	* 1.368	32.64	MAv1	24.9	-26.1	0	31.44	54	-22.56	-	-	122	353	V
3	* 4.057	40.17	PK2	32.3	-32	0	40.47	-	-	74	-33.53	273	256	H
	* 4.058	30.05	MAv1	32.3	-32	0	30.35	54	-23.65	-	-	273	256	H
4	* 7.374	35.52	PK2	37.9	-27.6	0	45.82	-	-	74	-28.18	351	396	H
	* 7.374	25.73	MAv1	37.9	-27.6	0	36.03	54	-17.97	-	-	351	396	H
5	* 5.059	38.89	PK2	35.5	-30.7	0	43.69	-	-	74	-30.31	126	234	V
	* 5.059	28.6	MAv1	35.5	-30.7	0	33.4	54	-20.6	-	-	126	234	V
6	* 12.366	33.03	PK2	40.3	-22.1	0	51.23	-	-	74	-22.77	12	396	V
	* 12.366	22.66	MAv1	40.3	-22.1	0	40.86	54	-13.14	-	-	12	396	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



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE01890 55 (dB/m)	Amp/Cbl/Ft 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	* 1.107	41.9	PK2	23.9	-25.8	0	40	-	-	74	-34	308	327	H
	* 1.106	32.16	MAv1	23.9	-25.8	0	30.26	54	-23.74	-	-	308	327	H
2	* 1.352	43.14	PK2	24.8	-26.1	0	41.84	-	-	74	-32.16	284	255	V
	* 1.352	32.64	MAv1	24.8	-26.1	0	31.34	54	-22.66	-	-	284	255	V
3	* 3.917	40.05	PK2	32.1	-32.5	0	39.65	-	-	74	-34.35	70	390	H
	* 3.914	30.55	MAv1	32.1	-32.5	0	30.15	54	-23.85	-	-	70	390	H
4	* 11.151	34.38	PK2	39.1	-23.7	0	49.78	-	-	74	-24.22	39	305	H
	* 11.15	23.81	MAv1	39.1	-23.7	0	39.21	54	-14.79	-	-	39	305	H
5	* 4.096	41.82	PK2	32.3	-31.7	0	42.42	-	-	74	-31.58	22	237	V
	* 4.095	31.76	MAv1	32.3	-31.7	0	32.36	54	-21.64	-	-	22	237	V
6	* 11.883	32.87	PK2	39.9	-22.4	0	50.37	-	-	74	-23.63	266	146	V
	* 11.883	22.74	MAv1	39.9	-22.4	0	40.24	54	-13.76	-	-	266	146	V

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

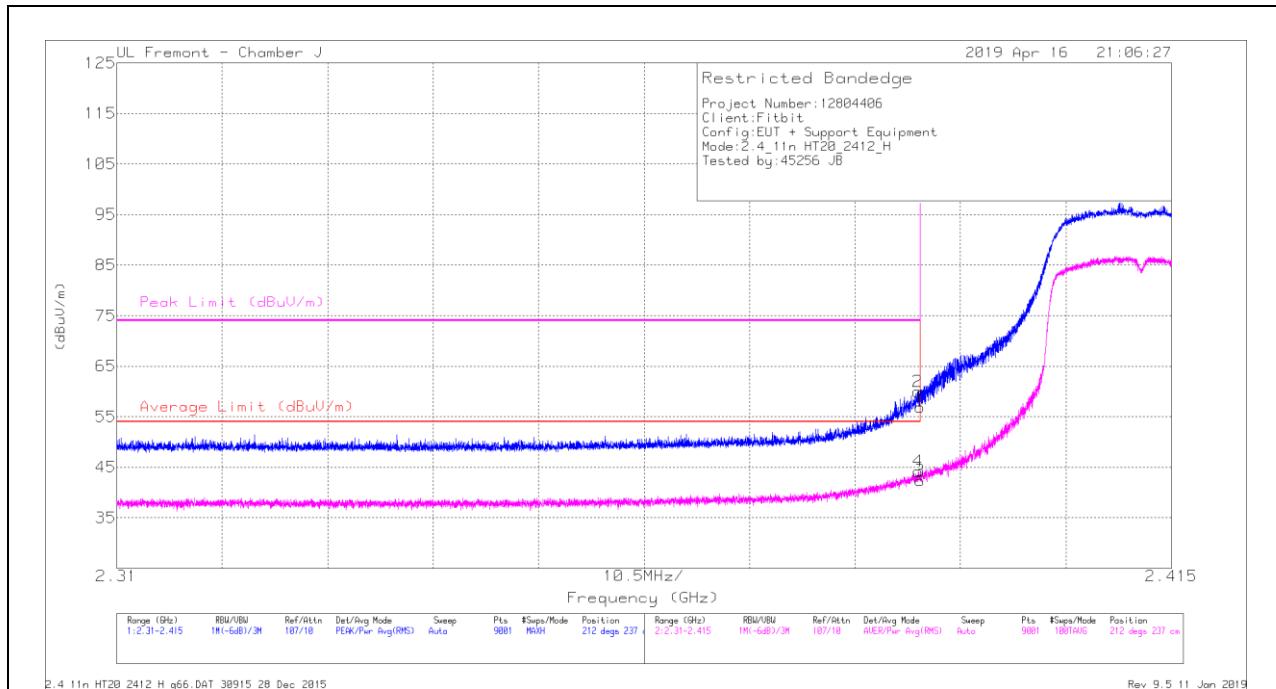
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



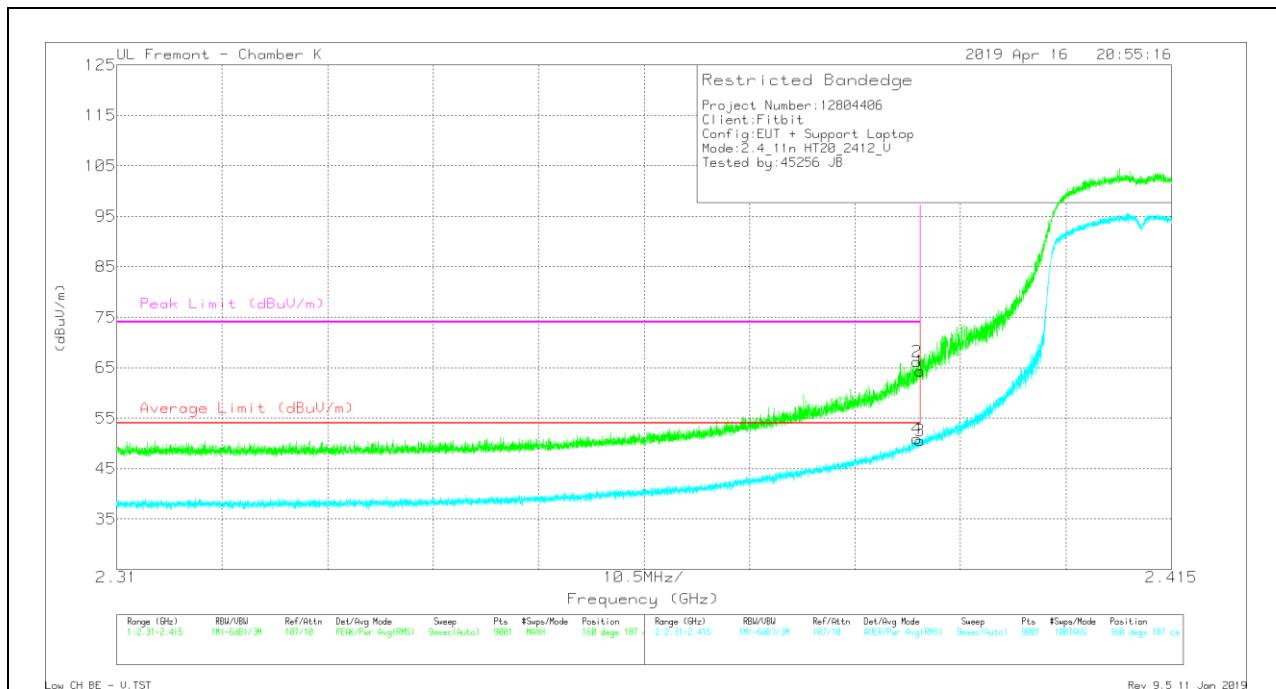
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.62	Pk	31.9	-24.7	0	56.82	-	-	74	-17.18	212	237	H
2	* 2.39	52.81	Pk	31.9	-24.7	0	60.01	-	-	74	-13.99	212	237	H
3	* 2.39	35.18	RMS	31.9	-24.7	0	42.38	54	-11.62	-	-	212	237	H
4	* 2.39	36.95	RMS	31.9	-24.7	0	44.15	54	-9.85	-	-	212	237	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 T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuVm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.09	Pk	31.9	-24.7	0	64.29	-	-	74	-9.71	160	187	V
2	* 2.39	59.03	Pk	31.9	-24.7	0	66.23	-	-	74	-7.77	160	187	V
3	* 2.39	43.33	RMS	31.9	-24.7	0	50.53	54	-3.47	-	-	160	187	V
4	* 2.39	43.72	RMS	31.9	-24.7	0	50.92	54	-3.08	-	-	160	187	V

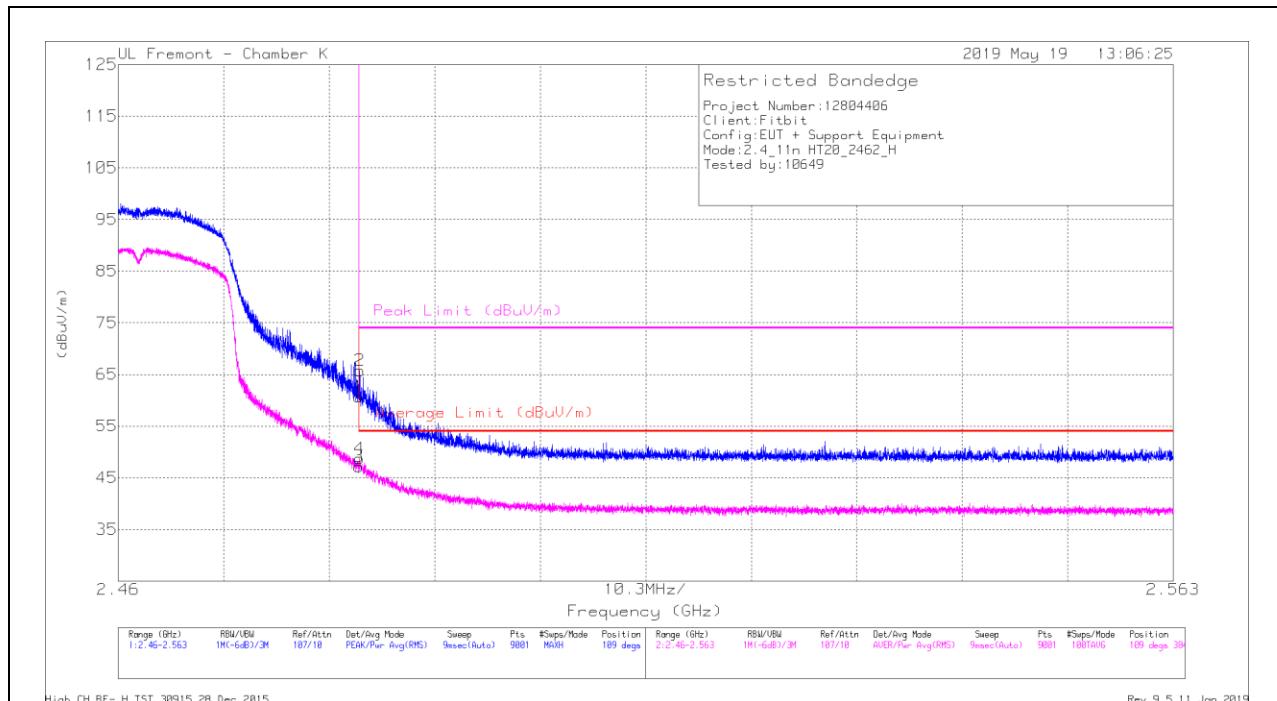
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



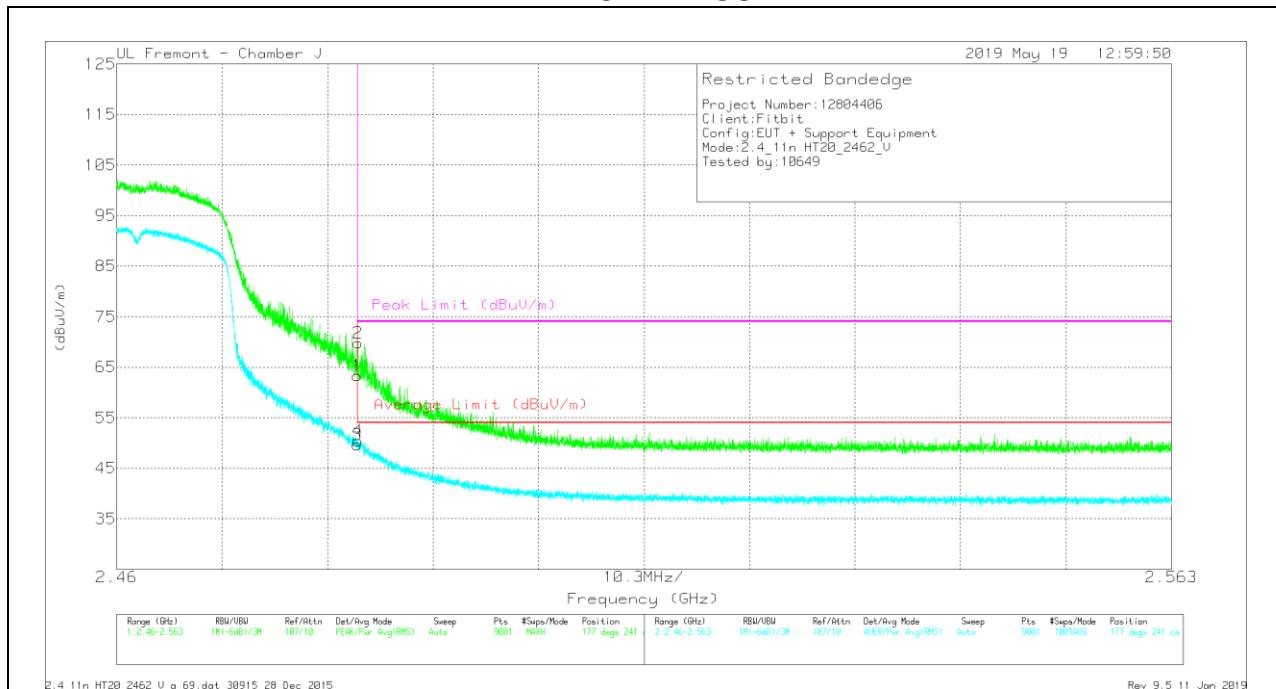
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	Marker
1	* 2.484	52.86	Pk	32.6	-24.8	60.66	-	-	74	-13.34	109	384	H	1
2	* 2.484	57.95	Pk	32.6	-24.8	65.75	-	-	74	-8.25	109	384	H	2
3	* 2.484	39.39	RMS	32.6	-24.8	47.19	54	-6.81	-	-	109	384	H	3
4	* 2.484	40.93	RMS	32.6	-24.8	48.73	54	-5.27	-	-	109	384	H	4

* - 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 T863 (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	Marker
1	* 2.484	55.51	Pk	32.6	-24.8	63.31	-	-	74	-10.69	177	241	V	1
2	* 2.484	62	Pk	32.6	-24.8	69.8	-	-	74	-4.2	177	241	V	2
3	* 2.484	41.82	RMS	32.6	-24.8	49.62	54	-4.38	-	-	177	241	V	3
4	* 2.484	42.61	RMS	32.6	-24.8	50.41	54	-3.59	-	-	177	241	V	4

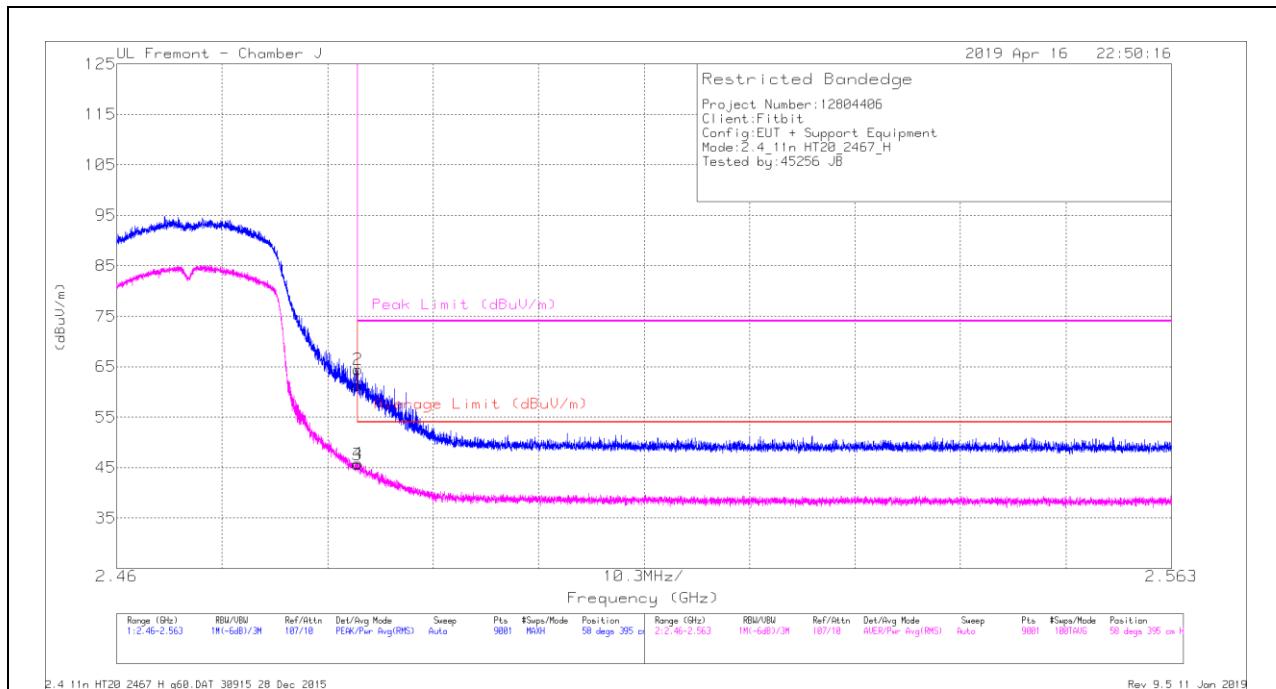
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



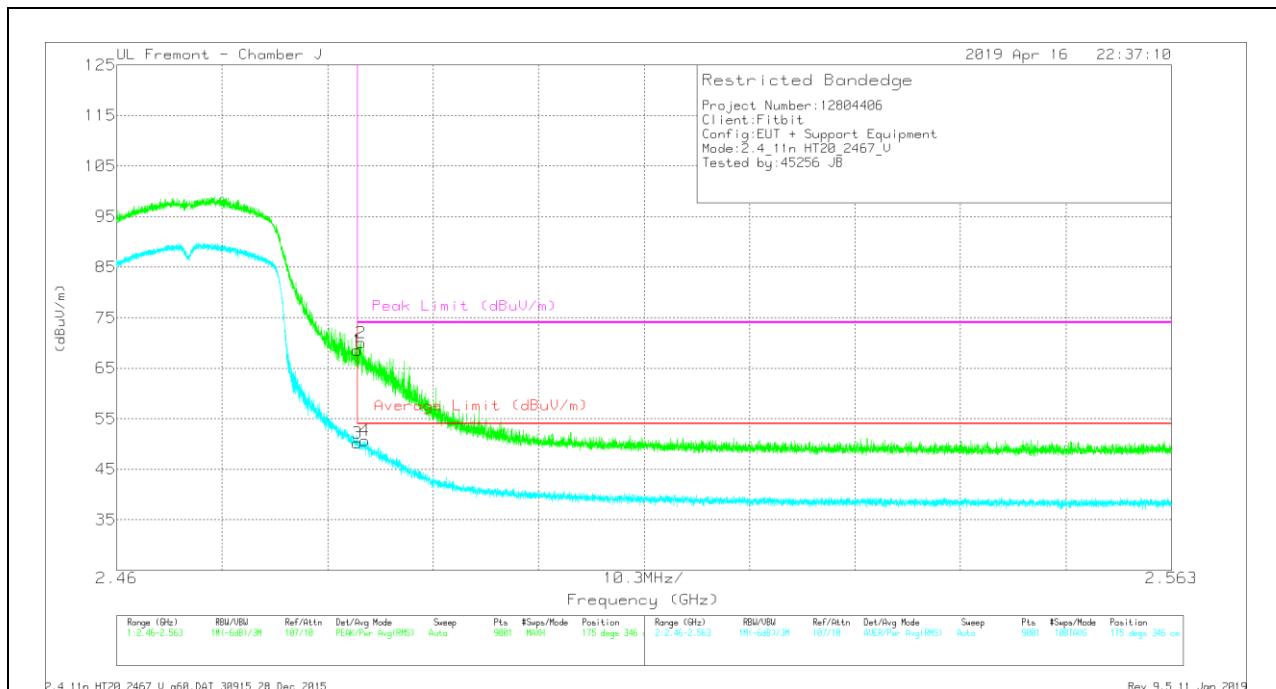
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.82	Pk	32.3	-24.8	0	61.32	-	-	74	-12.68	58	395	H
2	* 2.484	56.93	Pk	32.3	-24.8	0	64.43	-	-	74	-9.57	58	395	H
3	* 2.484	38.02	RMS	32.3	-24.8	0	45.52	54	-8.48	-	-	58	395	H
4	* 2.484	38.34	RMS	32.3	-24.8	0	45.84	54	-8.16	-	-	58	395	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 T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuVm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	61.01	Pk	32.3	-24.8	0	68.51	-	-	74	-5.49	175	346	V
2	* 2.484	62.55	Pk	32.3	-24.8	0	70.05	-	-	74	-3.95	175	346	V
3	* 2.484	42.68	RMS	32.3	-24.8	0	50.18	54	-3.82	-	-	175	346	V
4	* 2.484	43.19	RMS	32.3	-24.8	0	50.69	54	-3.31	-	-	175	346	V

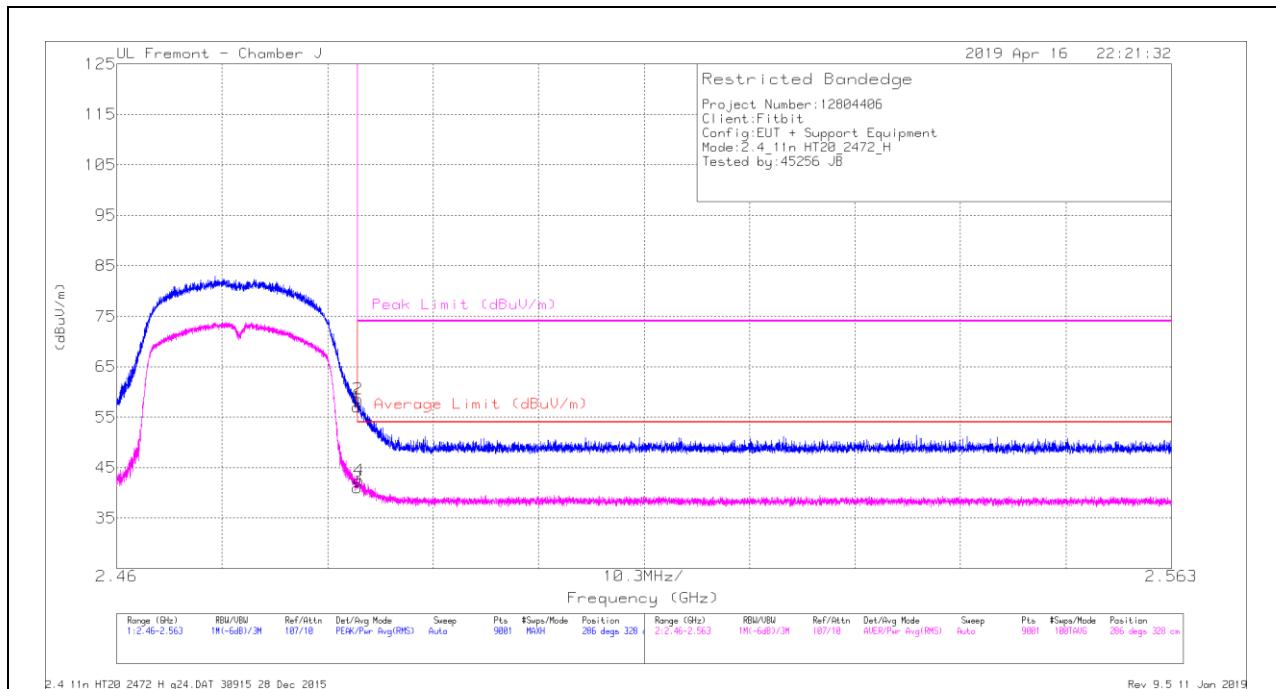
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



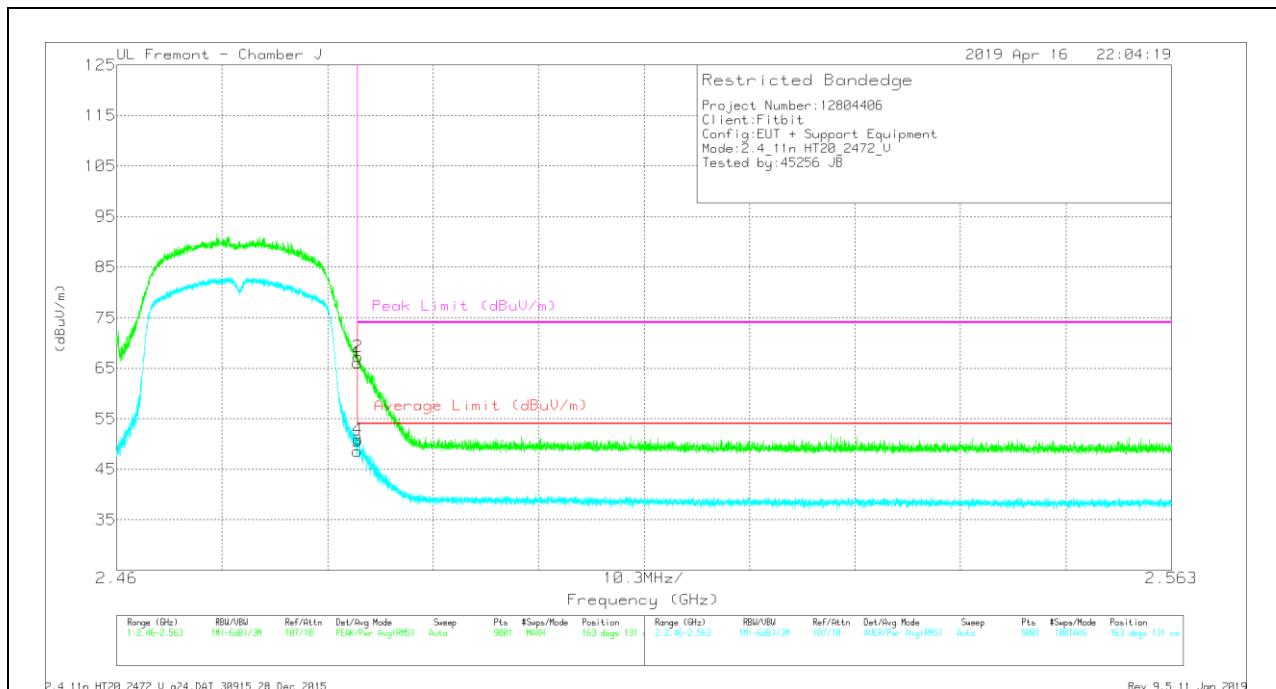
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.484	49.5	Pk	32.3	-24.8	0	57	-	-	74	-17	286	328	H
2	*2.484	51.11	Pk	32.3	-24.8	0	58.61	-	-	74	-15.39	286	328	H
3	*2.484	33.45	RMS	32.3	-24.8	0	40.95	54	-13.05	-	-	286	328	H
4	*2.484	34.92	RMS	32.3	-24.8	0	42.42	54	-11.58	-	-	286	328	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 T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuVm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.54	Pk	32.3	-24.8	0	66.04	-	-	74	-7.96	163	131	V
2	* 2.484	59.8	Pk	32.3	-24.8	0	67.3	-	-	74	-6.7	163	131	V
3	* 2.484	41.06	RMS	32.3	-24.8	0	48.56	54	-5.44	-	-	163	131	V
4	* 2.484	43.46	RMS	32.3	-24.8	0	50.96	54	-3.04	-	-	163	131	V

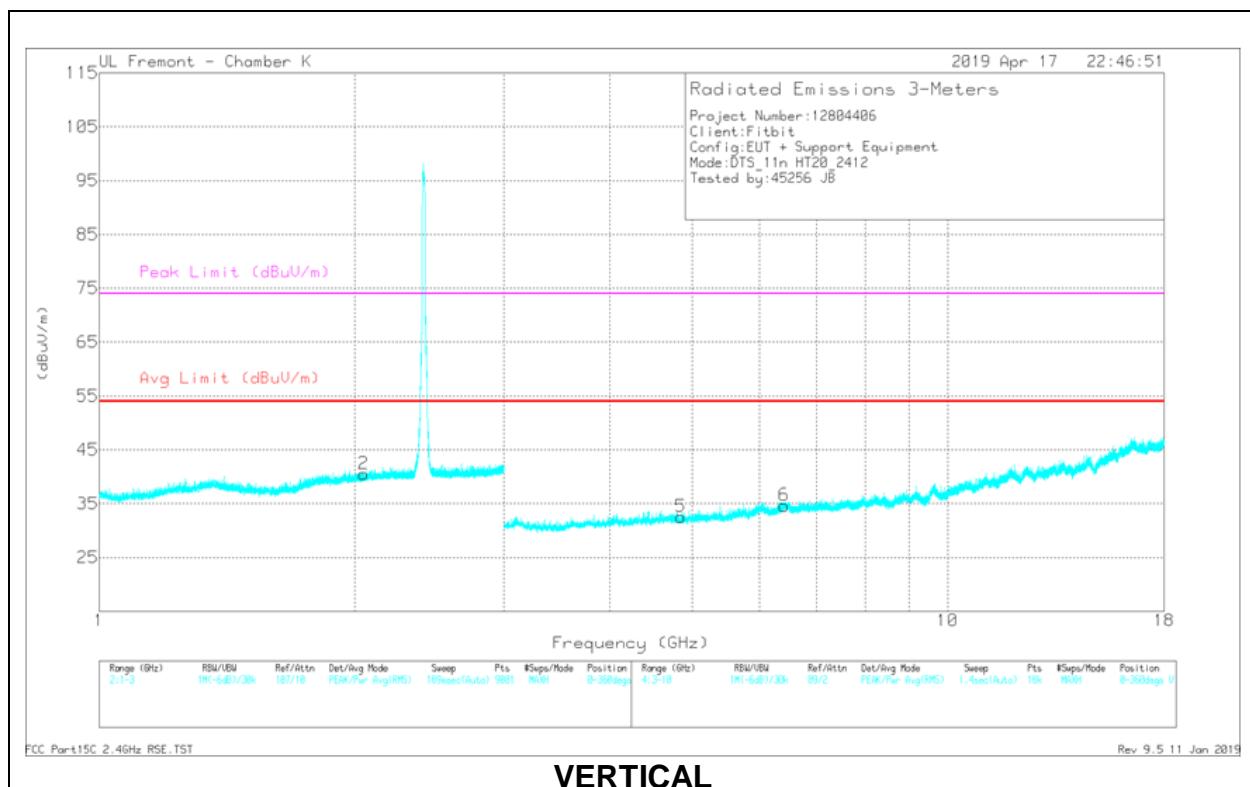
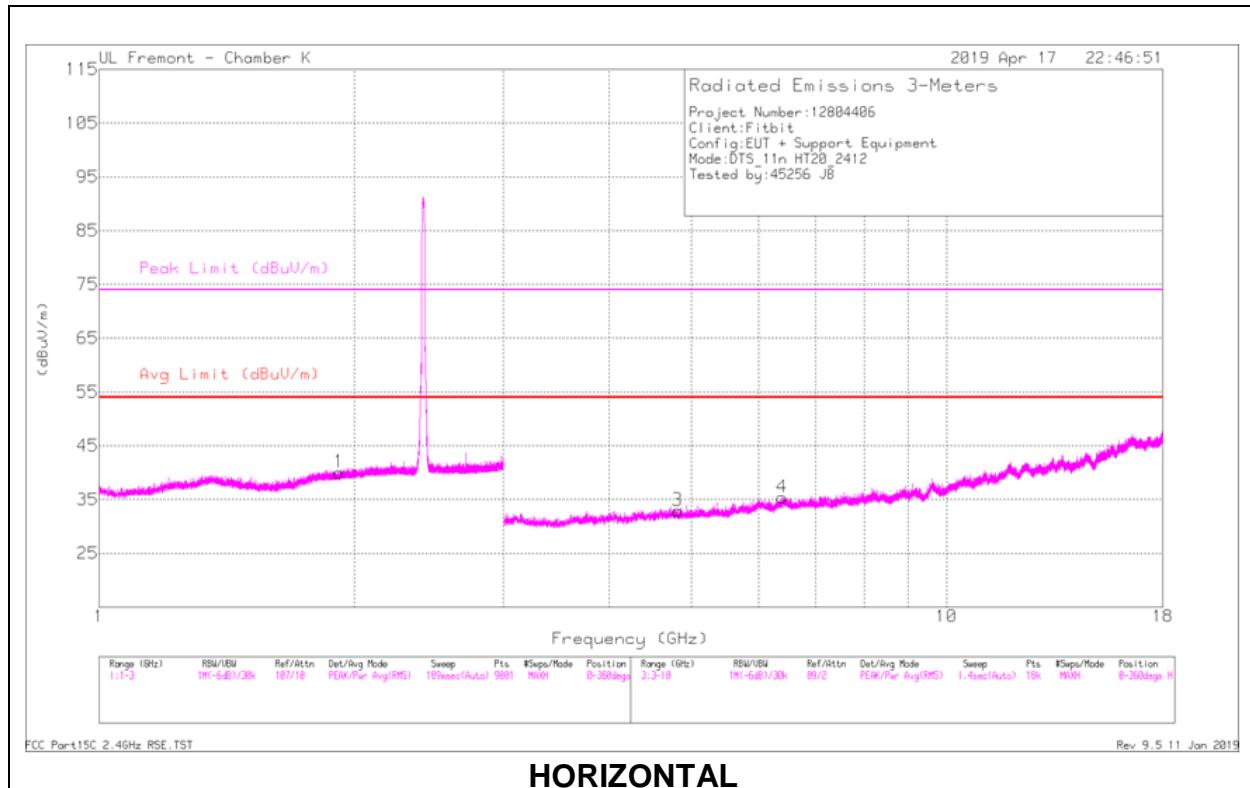
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 T344 (dB/m)	Amp/Cbl/Fltr/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	1.92	33.64	Pk	30.6	-24.2	0	40.04	-	-	-	-	0-360	101	H
2	2.05	33.91	Pk	31.2	-24.6	0	40.51	-	-	-	-	0-360	101	V
3	* 4.816	35.95	PK2	34.2	-30.4	0	39.75	-	-	74	-34.25	190	147	H
	* 4.814	26.4	MAv1	34.2	-30.4	0	30.2	54	-23.8	-	-	190	147	H
4	6.399	26.58	Pk	35.4	-26.6	0	35.38	-	-	-	-	0-360	101	H
5	* 4.847	36.77	PK2	34.1	-30.3	0	40.57	-	-	74	-33.43	321	128	V
	* 4.845	26.86	MAv1	34.1	-30.3	0	30.66	54	-23.34	-	-	321	128	V
6	6.414	25.83	Pk	35.4	-26.6	0	34.63	-	-	-	-	0-360	200	V

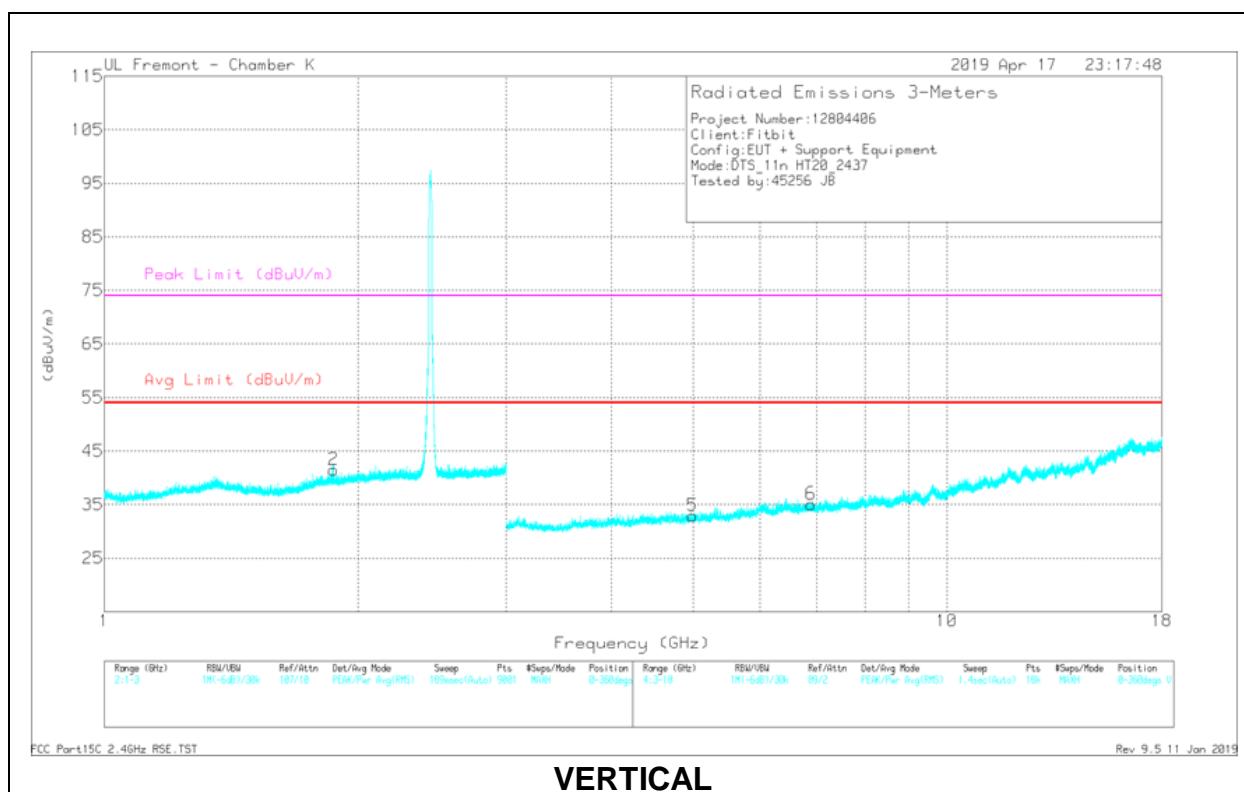
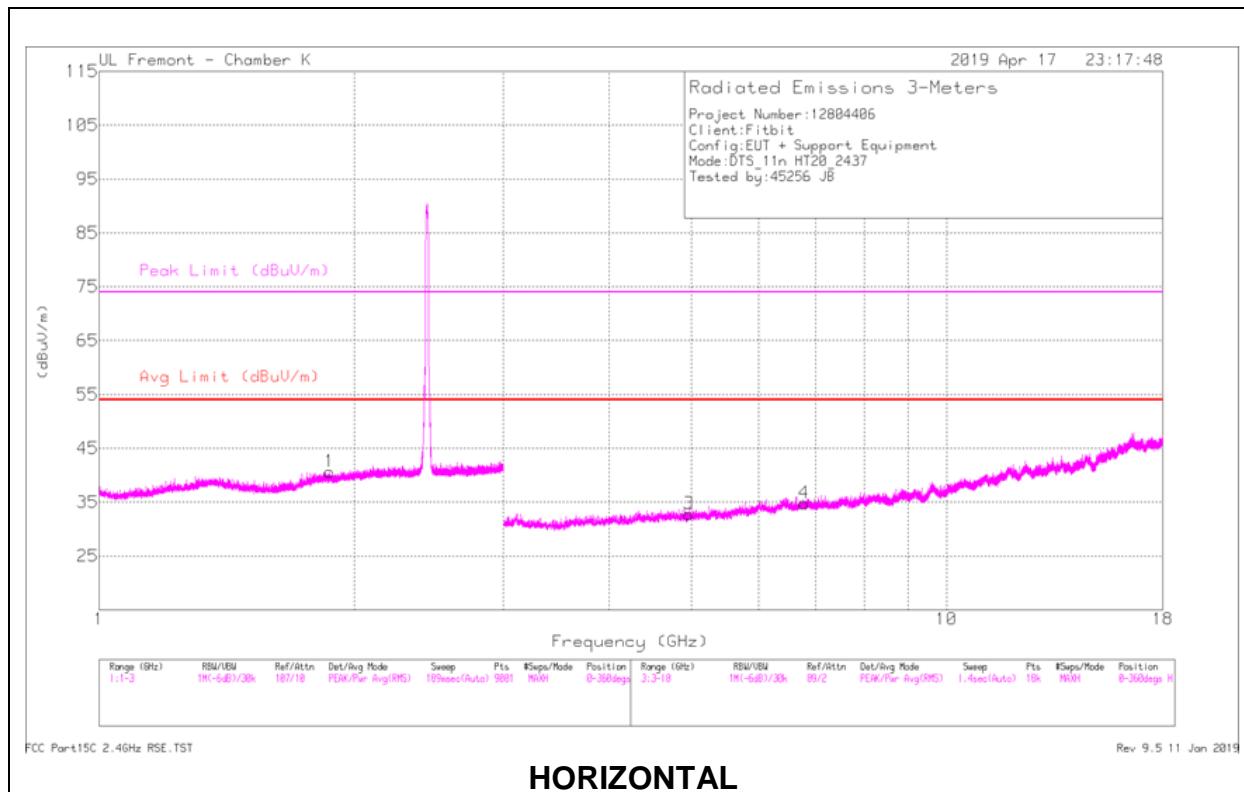
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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 T344 (dB/m)	Amp/Cbl/Fltr/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	1.871	34.33	Pk	30.4	-24.1	0	40.63	-	-	-	-	0-360	101	H
2	1.872	35.21	Pk	30.4	-24.1	0	41.51	-	-	-	-	0-360	200	V
3	* 4.966	36.35	PK2	34.2	-30.6	0	39.95	-	-	74	-34.05	27	184	H
	* 4.968	26.92	MAv1	34.2	-30.6	0	30.52	54	-23.48	-	-	27	184	H
4	6.793	25.96	Pk	35.5	-26.7	0	34.76	-	-	-	-	0-360	101	H
5	* 4.992	36.37	PK2	34.3	-30.4	0	40.27	-	-	74	-33.73	102	112	V
	* 4.994	26.52	MAv1	34.3	-30.4	0	30.42	54	-23.58	-	-	102	112	V
6	6.898	26.06	Pk	35.5	-26.5	0	35.06	-	-	-	-	0-360	200	V

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

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average