

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.

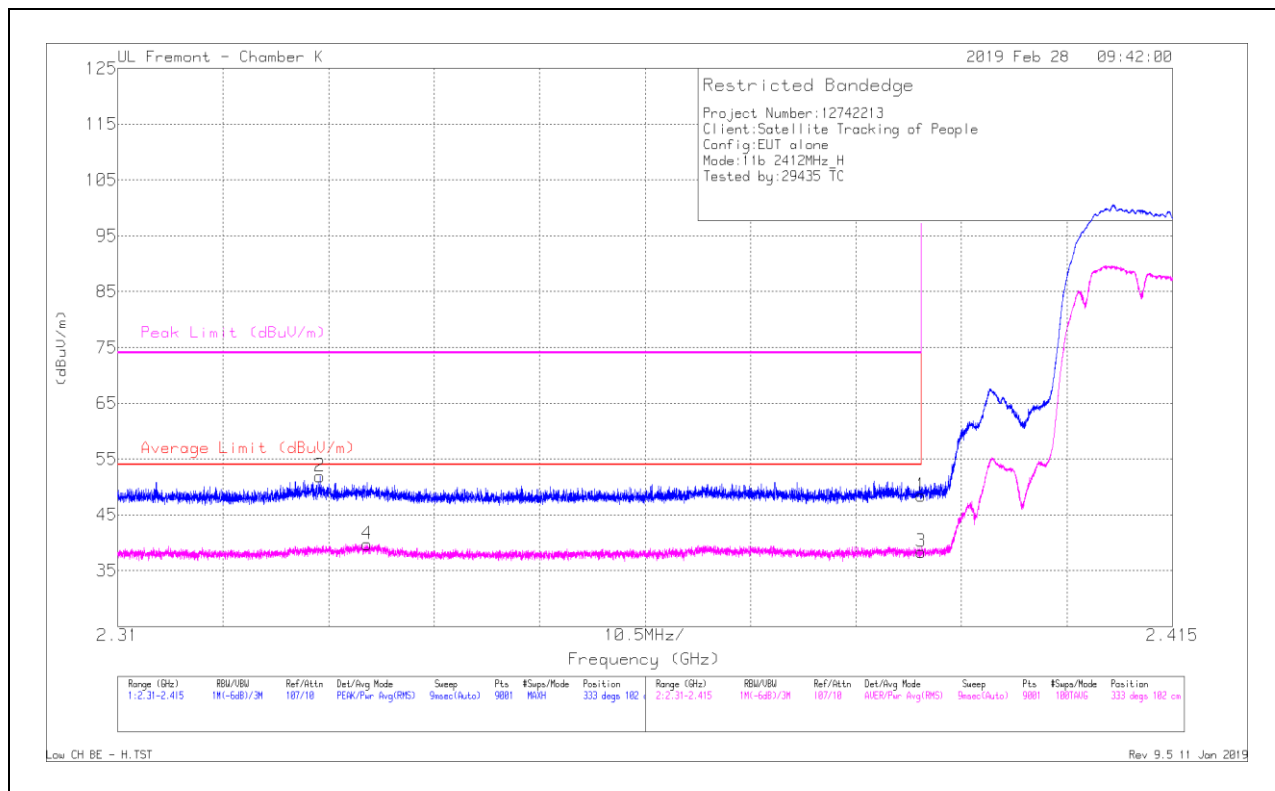
OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

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



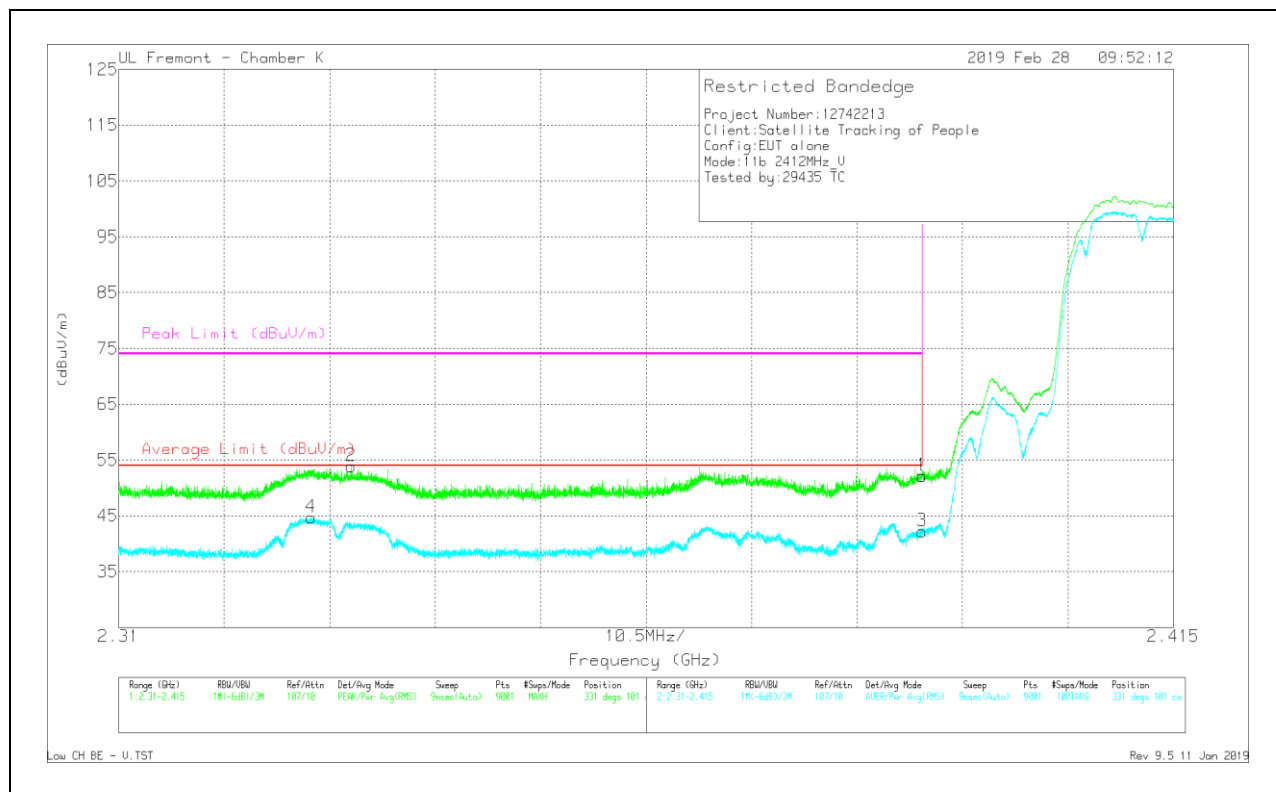
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/CbI/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.26	Pk	31.9	-24.7	48.46	-	-	74	-25.54	333	102	H
2	* 2.33	44.82	Pk	31.7	-24.6	51.92	-	-	74	-22.08	333	102	H
3	* 2.39	31.21	RMS	31.9	-24.7	38.41	54	-15.59	-	-	333	102	H
4	* 2.335	32.77	RMS	31.7	-24.7	39.77	54	-14.23	-	-	333	102	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

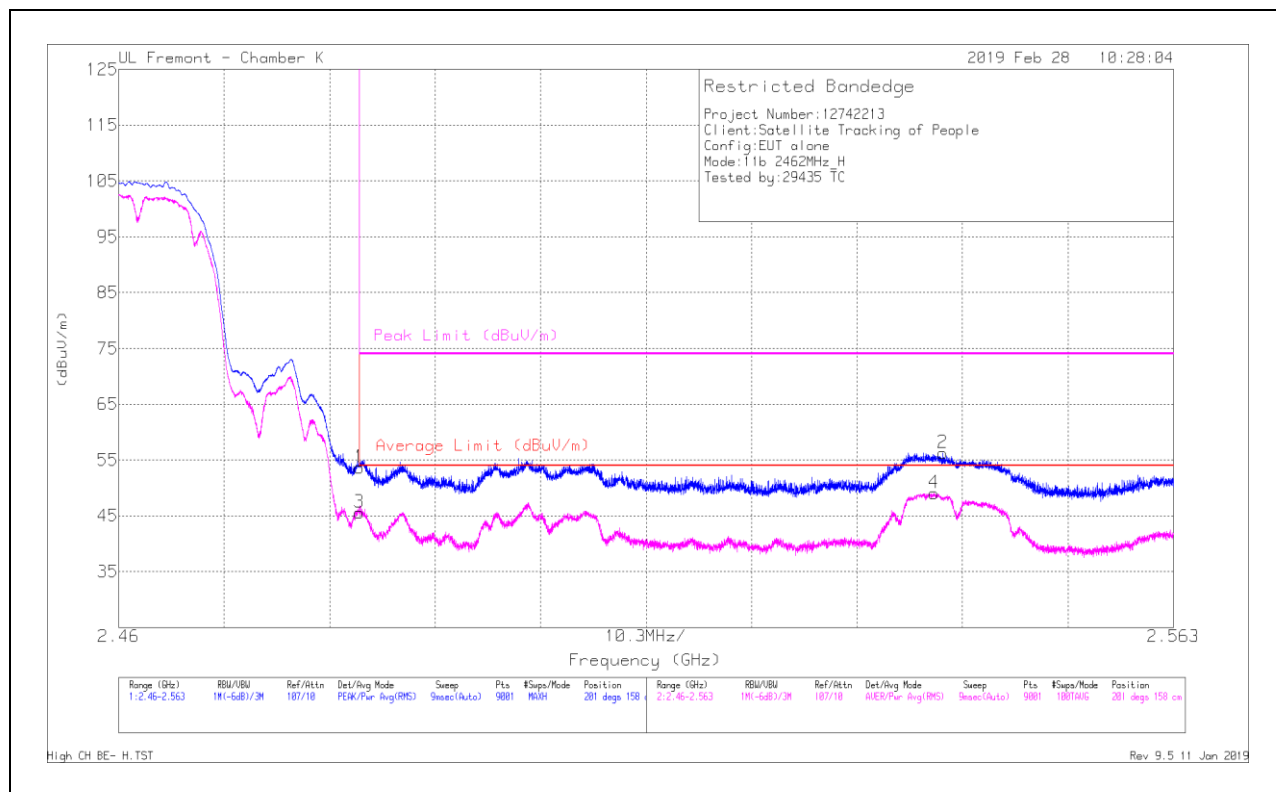


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.94	Pk	31.9	-24.7	52.14	-	-	74	-21.86	331	101	V
2	* 2.333	46.75	Pk	31.7	-24.6	53.85	-	-	74	-20.15	331	101	V
3	* 2.39	35.04	RMS	31.9	-24.7	42.24	54	-11.76	-	-	331	101	V
4	* 2.329	37.61	RMS	31.7	-24.6	44.71	54	-9.29	-	-	331	101	V

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

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



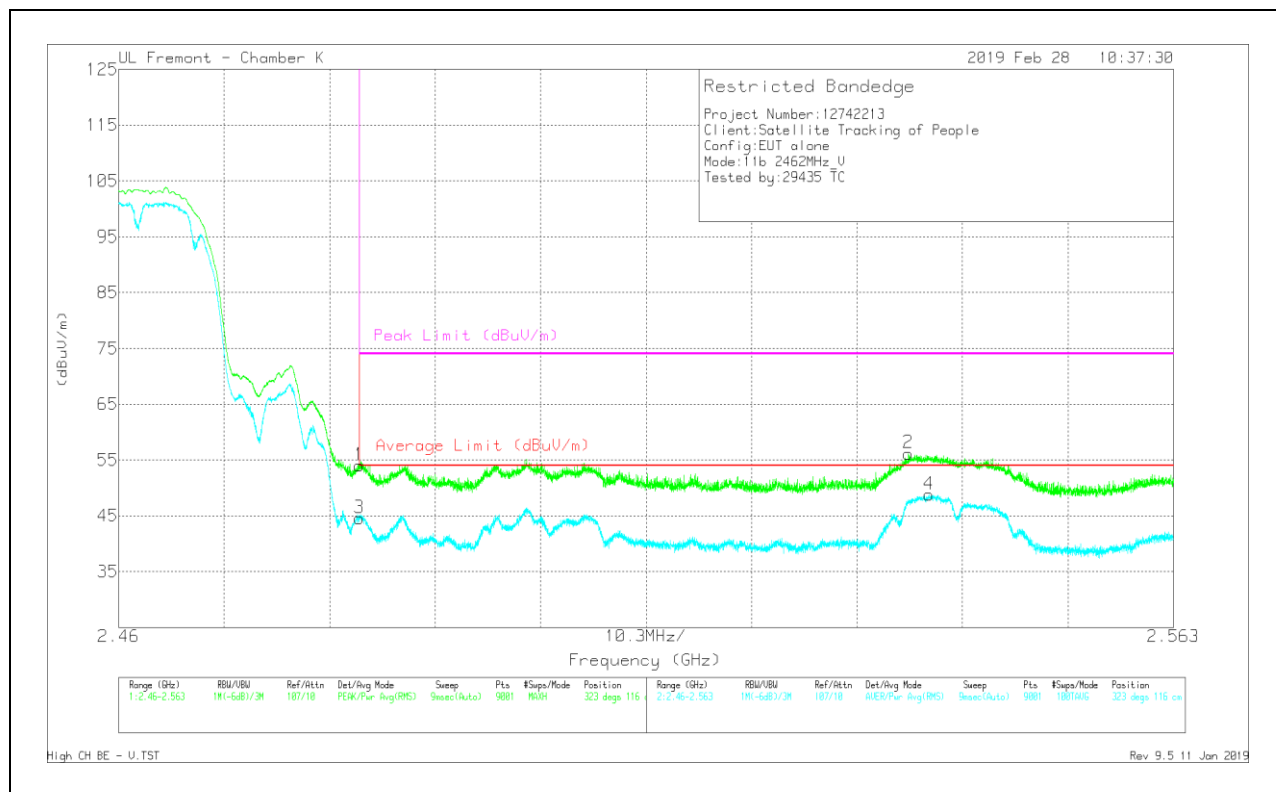
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	Amp/Cbl/Filr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.2	Pk	32.3	-24.8	53.7	-	-	74	-20.3	201	158	H
2	2.54	48.8	Pk	32.3	-24.8	56.3	-	-	74	-17.7	201	158	H
3	* 2.484	38.03	RMS	32.3	-24.8	45.53	54	-8.47	-	-	201	158	H
4	2.54	41.59	RMS	32.3	-24.8	49.09	54	-4.91	-	-	201	158	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

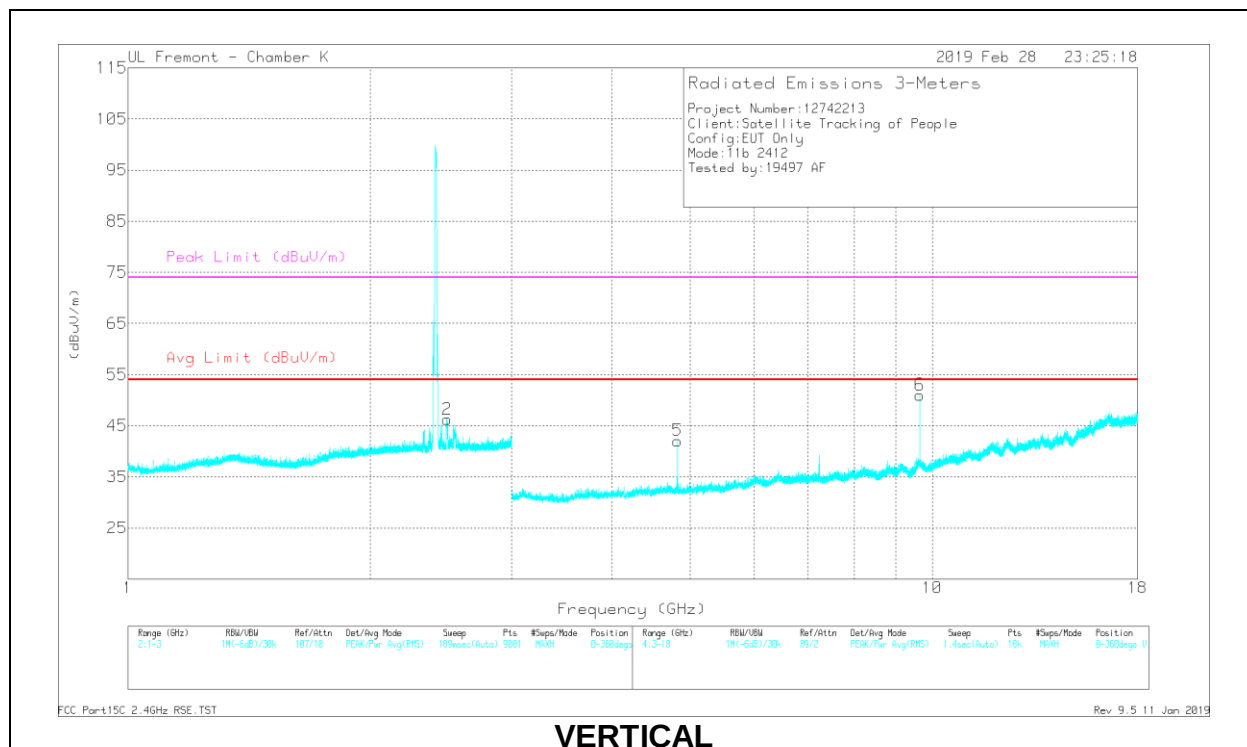
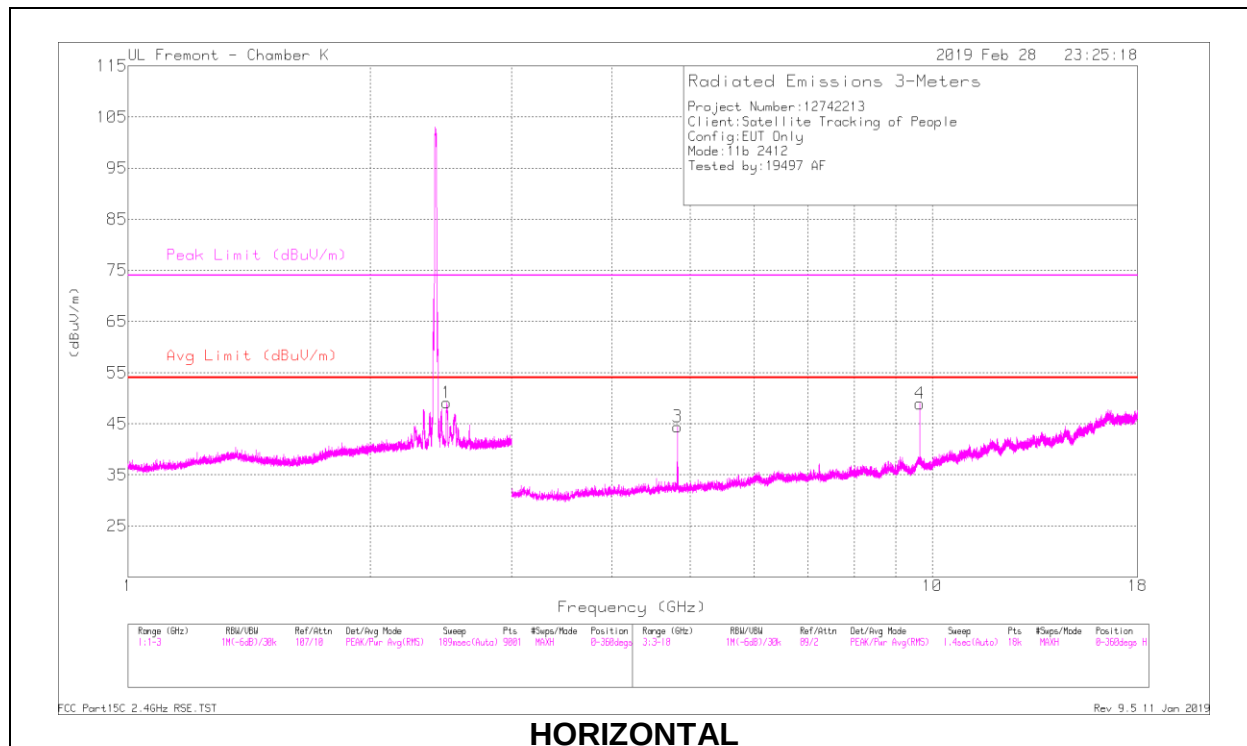


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	Amp/CbI/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.5	Pk	32.3	-24.8	54	-	-	74	-20	323	116	V
2	2.537	48.69	Pk	32.3	-24.8	56.19	-	-	74	-17.81	323	116	V
3	* 2.484	37.06	RMS	32.3	-24.8	44.56	54	-9.44	-	-	323	116	V
4	2.539	41.32	RMS	32.3	-24.8	48.82	54	-5.18	-	-	323	116	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

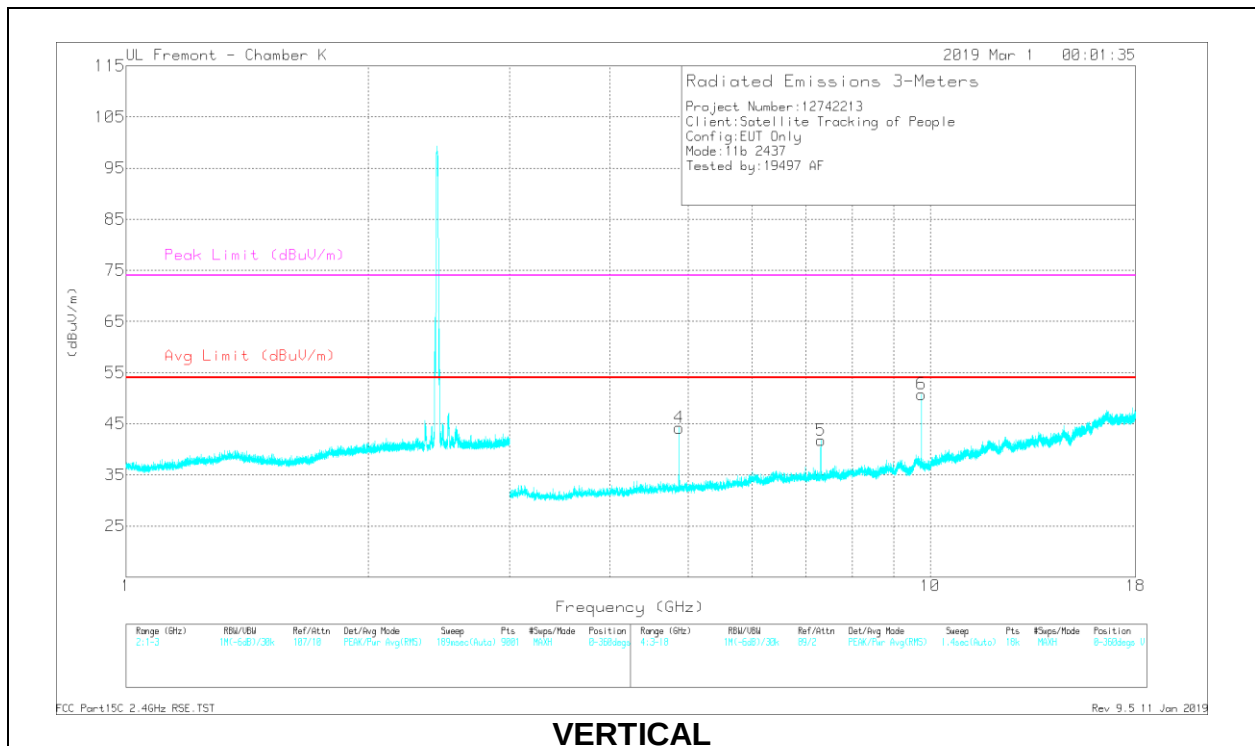
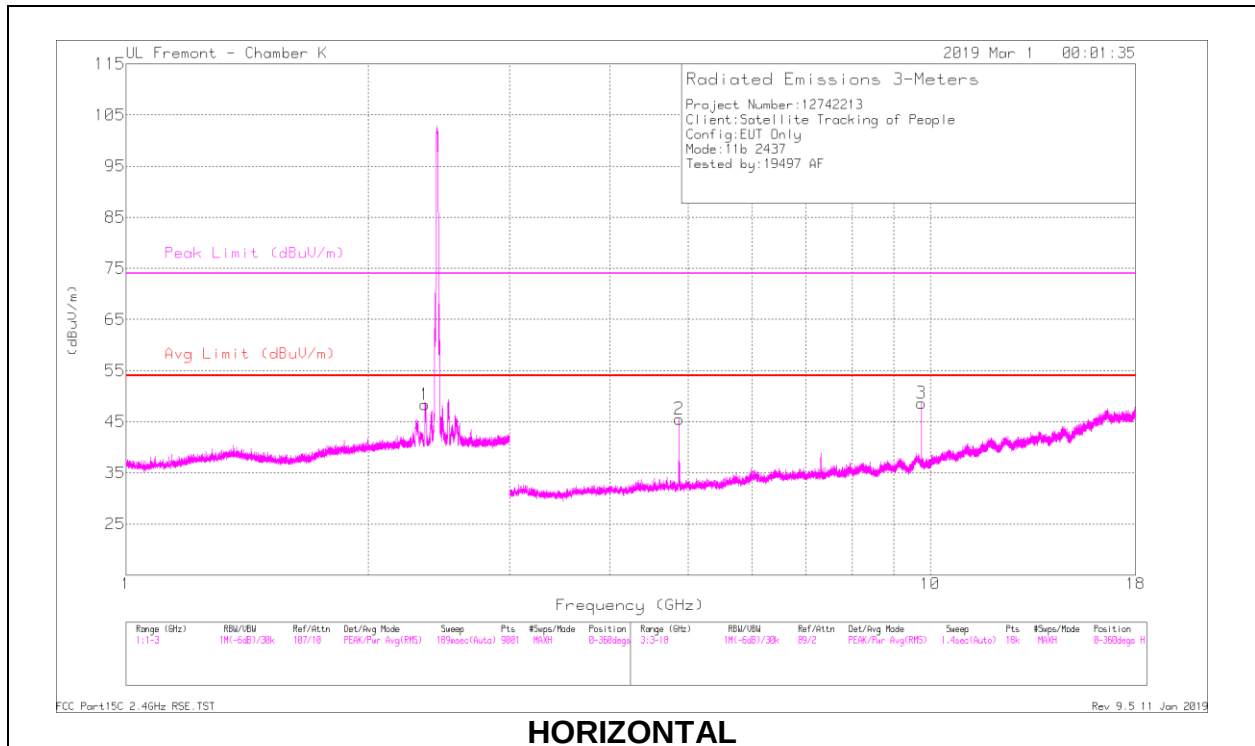
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.488	47.14	PK2	32.3	-24.8	54.64	-	-	74	-19.36	8	110	H
* 2.489	41.31	MAV1	32.3	-24.8	48.81	54	-5.19	-	-	8	110	H
* 2.494	45.15	PK2	32.3	-24.8	52.65	-	-	74	-21.35	145	104	V
* 2.494	37.67	MAV1	32.3	-24.8	45.17	54	-8.83	-	-	145	104	V
* 4.824	42.19	PK2	34.1	-30.4	45.89	-	-	74	-28.11	44	104	H
* 4.824	39.18	MAV1	34.1	-30.4	42.88	54	-11.12	-	-	44	104	H
9.648	37.15	PK2	36.8	-23.4	50.55	-	-	-	-	18	195	H
* 4.824	40.82	PK2	34.1	-30.4	44.52	-	-	74	-29.48	235	102	V
* 4.824	36.77	MAV1	34.1	-30.4	40.47	54	-13.53	-	-	235	102	V
9.647	40.01	PK2	36.8	-23.4	53.41	-	-	-	-	274	118	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

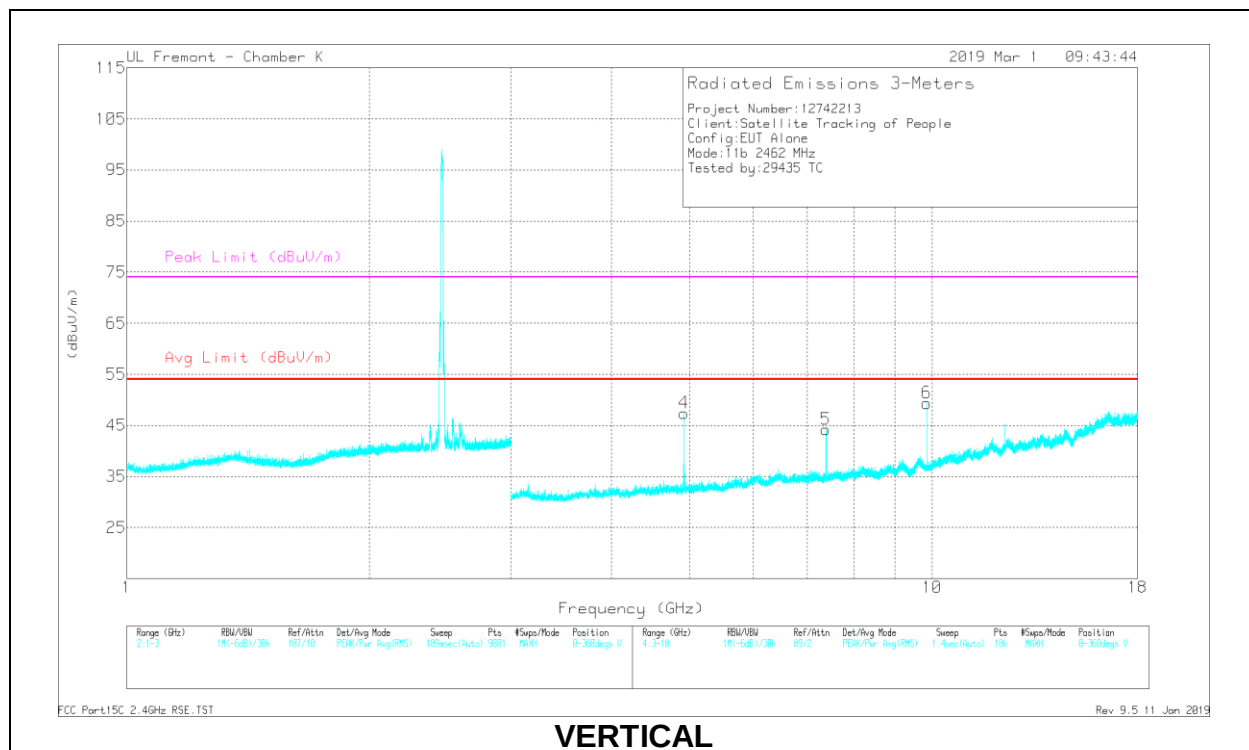
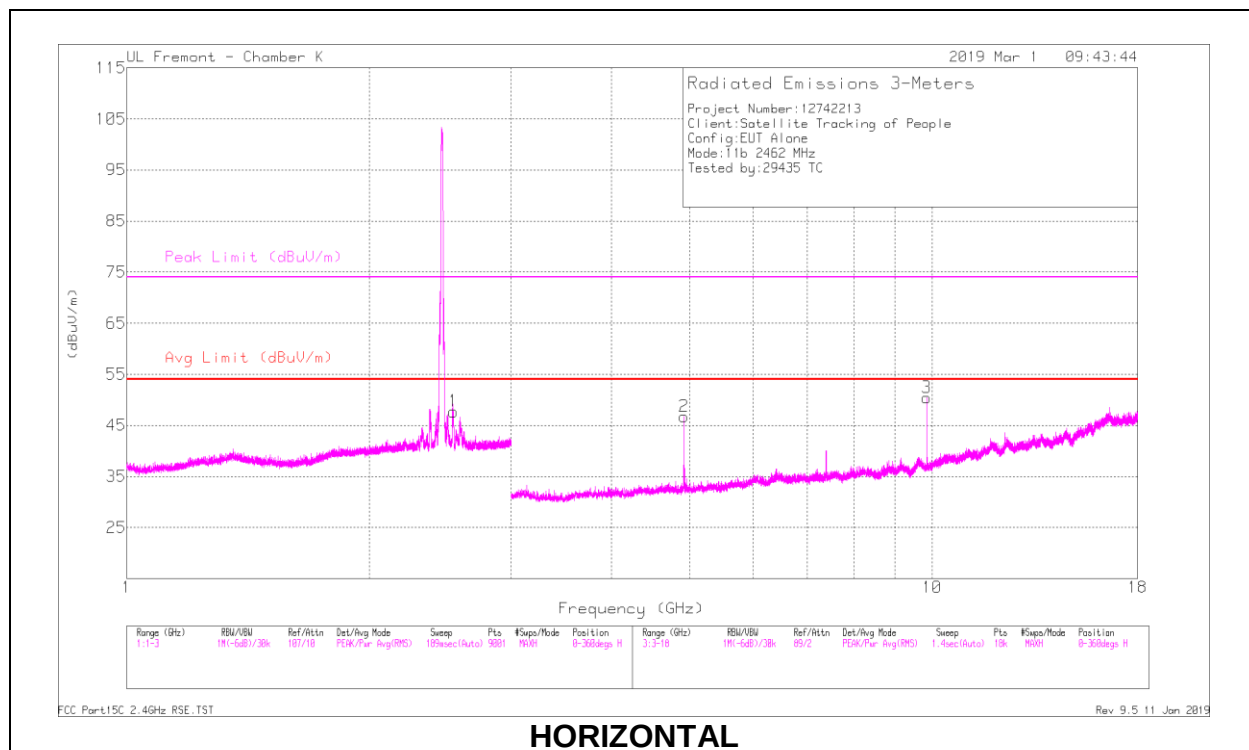
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.353	47.89	PK2	31.7	-24.7	54.89	-	-	74	-19.11	359	103	H
* 2.354	39.75	MAV1	31.7	-24.7	46.75	54	-7.25	-	-	359	103	H
* 4.874	43.62	PK2	34.1	-30.5	47.22	-	-	74	-26.78	39	102	H
* 4.874	41.09	MAV1	34.1	-30.5	44.69	54	-9.31	-	-	39	102	H
9.748	38.16	PK2	36.9	-23.6	51.46	-	-	-	-	352	185	H
* 4.874	42.8	PK2	34.1	-30.5	46.4	-	-	74	-27.6	143	127	V
* 4.874	40.03	MAV1	34.1	-30.5	43.63	54	-10.37	-	-	143	127	V
* 7.311	39.06	PK2	35.5	-26.3	48.26	-	-	74	-25.74	5	371	V
* 7.313	32.51	MAV1	35.5	-26.3	41.71	54	-12.29	-	-	5	371	V
9.747	38.88	PK2	36.9	-23.6	52.18	-	-	-	-	269	118	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

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit 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
2.543	46.61	PK2	32.3	-24.8	54.11	-	-	-	-	10	246	H
* 4.924	45.14	PK2	34.2	-30.6	48.74	-	-	74	-25.26	36	103	H
* 4.924	42.86	MAV1	34.2	-30.6	46.46	54	-7.54	-	-	36	103	H
9.847	37.26	PK2	36.9	-23.3	50.86	-	-	-	-	71	107	H
* 4.924	42.95	PK2	34.2	-30.6	46.55	-	-	74	-27.45	55	238	V
* 4.924	39.28	MAV1	34.2	-30.6	42.88	54	-11.12	-	-	55	238	V
* 7.385	40.44	PK2	35.5	-26.5	49.44	-	-	74	-24.56	0	330	V
* 7.388	35.26	MAV1	35.5	-26.5	44.26	54	-9.74	-	-	0	330	V
9.848	37.1	PK2	36.9	-23.3	50.7	-	-	-	-	254	263	V

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

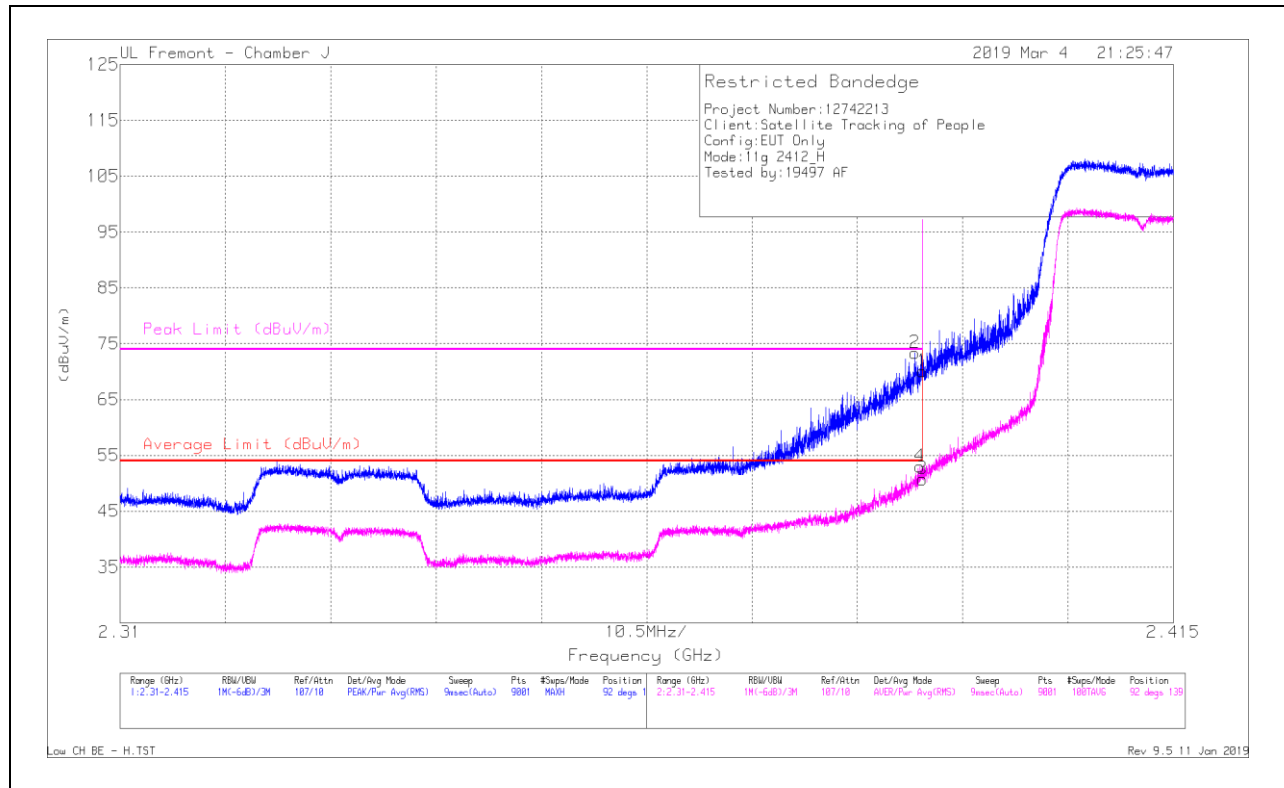
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

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

BANEDGE (LOW CHANNEL, CH 1)

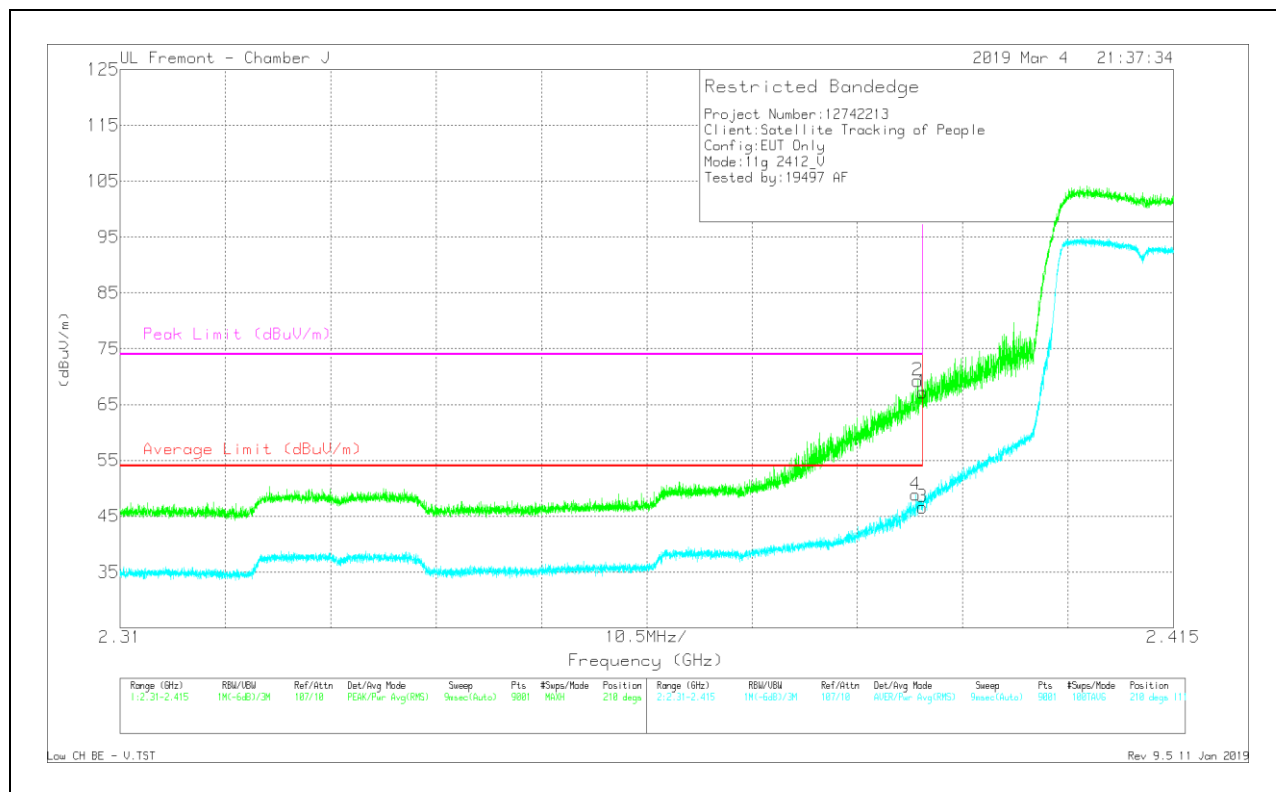
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (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	* 2.39	66.35	Pk	29.5	-25.8	70.05	-	-	74	-3.95	92	139	H
2	* 2.389	69.64	Pk	29.5	-25.8	73.34	-	-	74	-6.66	92	139	H
3	* 2.39	47.05	RMS	29.5	-25.8	50.75	54	-3.25	-	-	92	139	H
4	* 2.39	49.3	RMS	29.5	-25.8	53	54	-1	-	-	92	139	H

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

VERTICAL RESULT

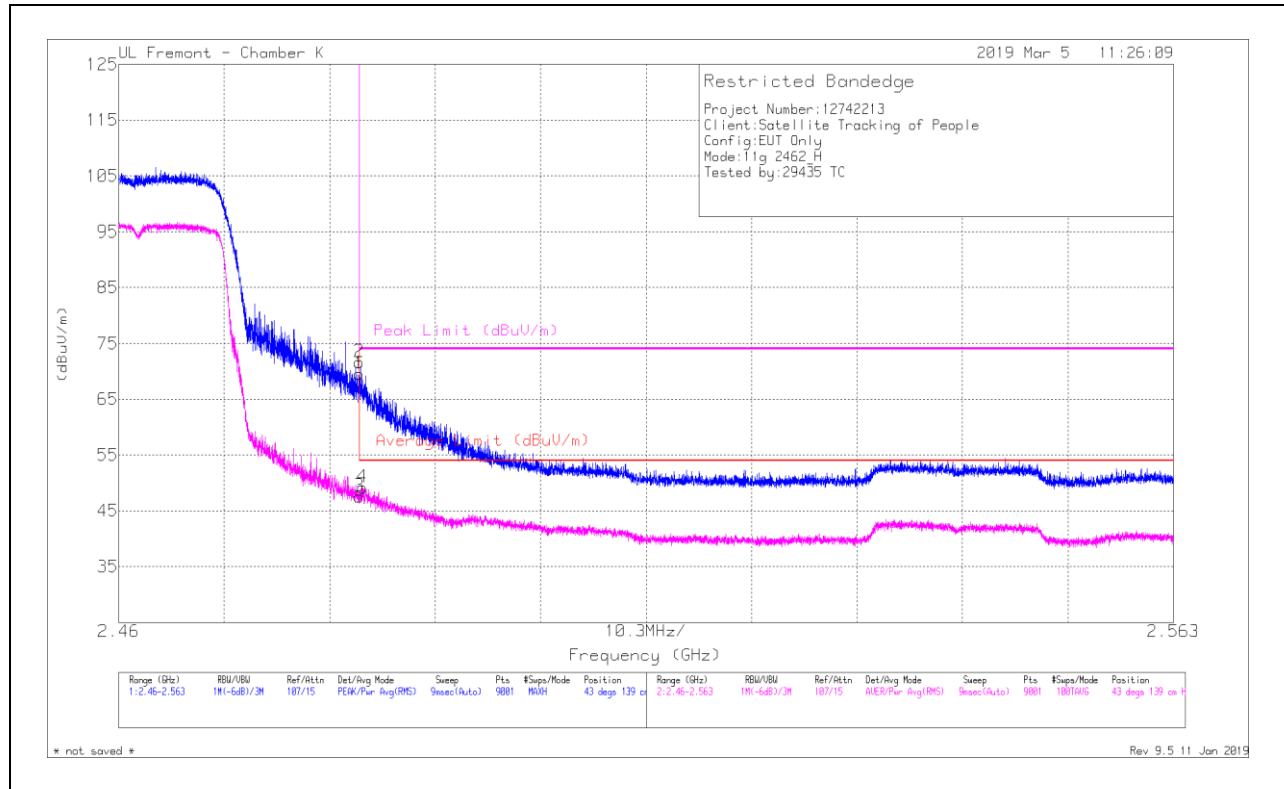


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE018905 S (dBm)	Amp/CbI/Flt r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	63.5	Pk	29.5	-25.8	67.2	-	-	74	-6.8	210	111	V
2	* 2.39	65.57	Pk	29.5	-25.8	69.27	-	-	74	-4.73	210	111	V
3	* 2.39	42.92	RMS	29.5	-25.8	46.62	54	-7.38	-	-	210	111	V
4	* 2.389	45.14	RMS	29.5	-25.8	48.84	54	-5.16	-	-	210	111	V

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

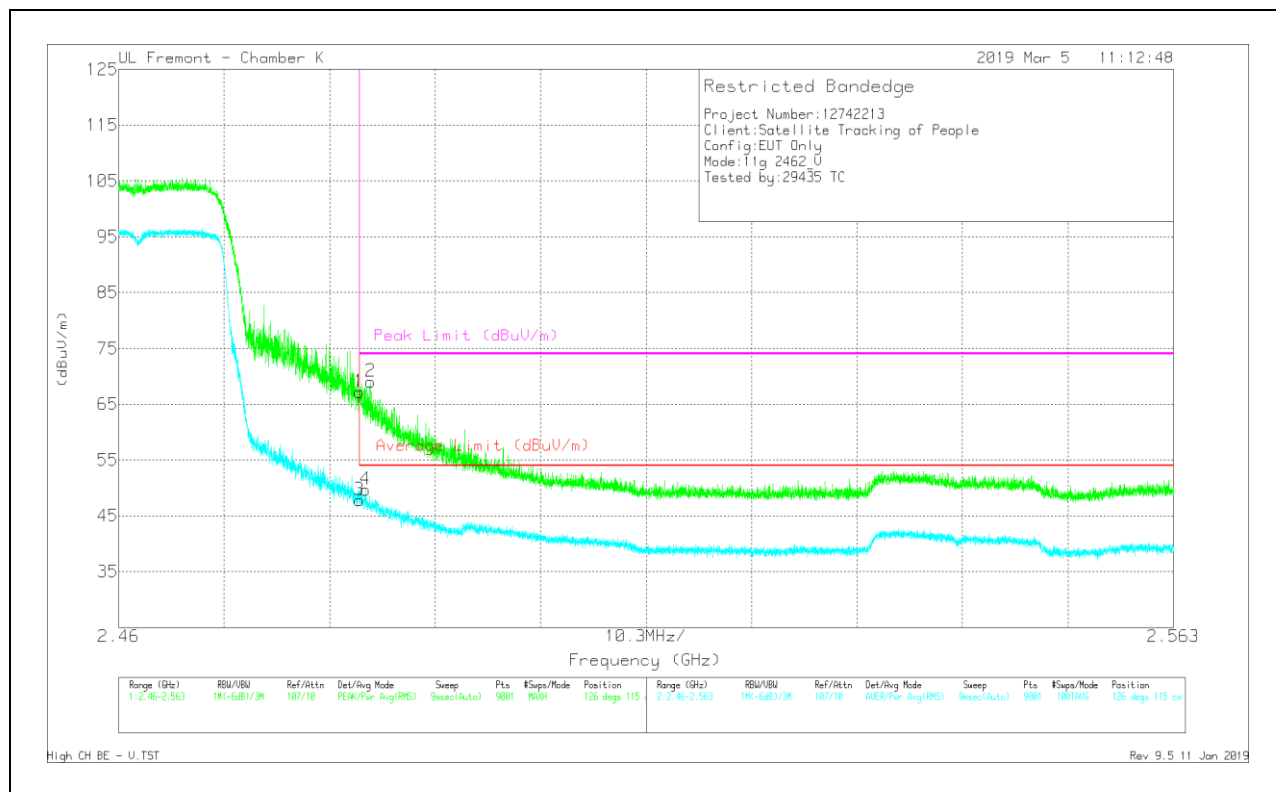
Pk - Peak detector

RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 2.484	62.03	Pk	32.3	-24.8	69.53	-	-	74	-4.47	43	139	H
2	* 2.484	64.11	Pk	32.3	-24.8	71.61	-	-	74	-2.39	43	139	H
3	* 2.484	40.08	RMS	32.3	-24.8	47.58	54	-6.42	-	-	43	139	H
4	* 2.484	41.7	RMS	32.3	-24.8	49.2	54	-4.8	-	-	43	139	H

VERTICAL RESULT

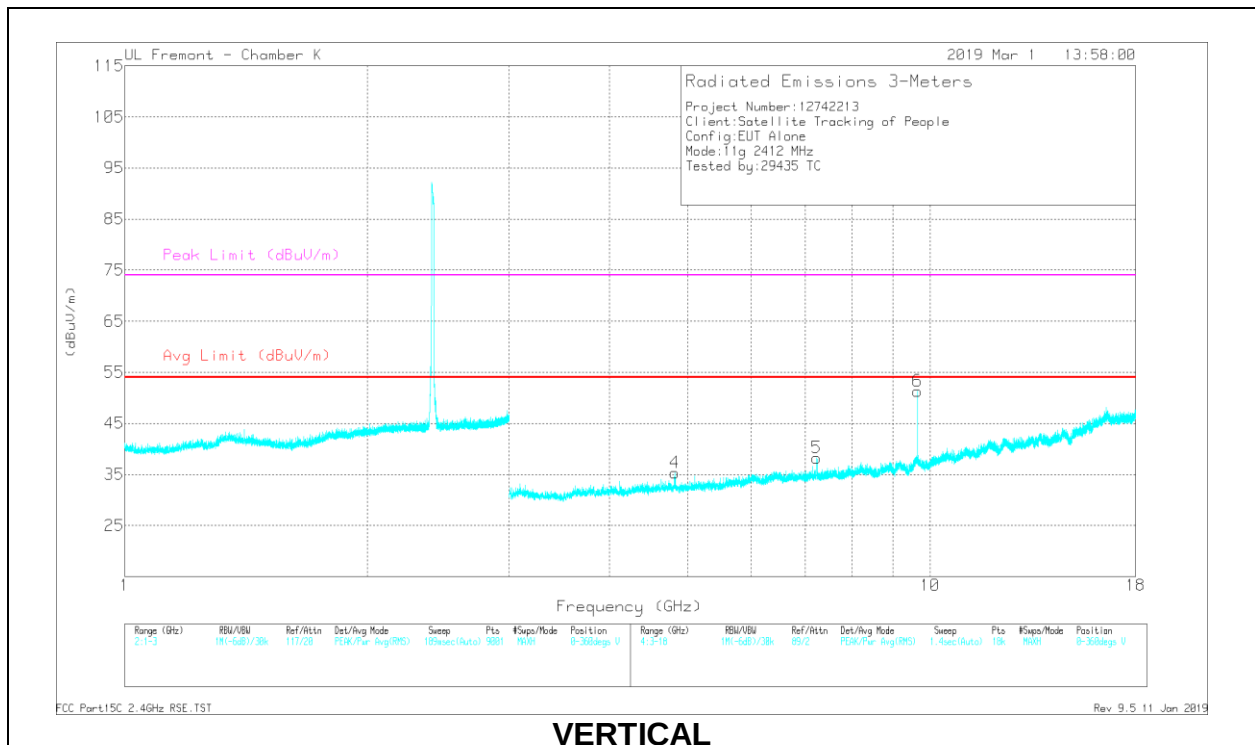
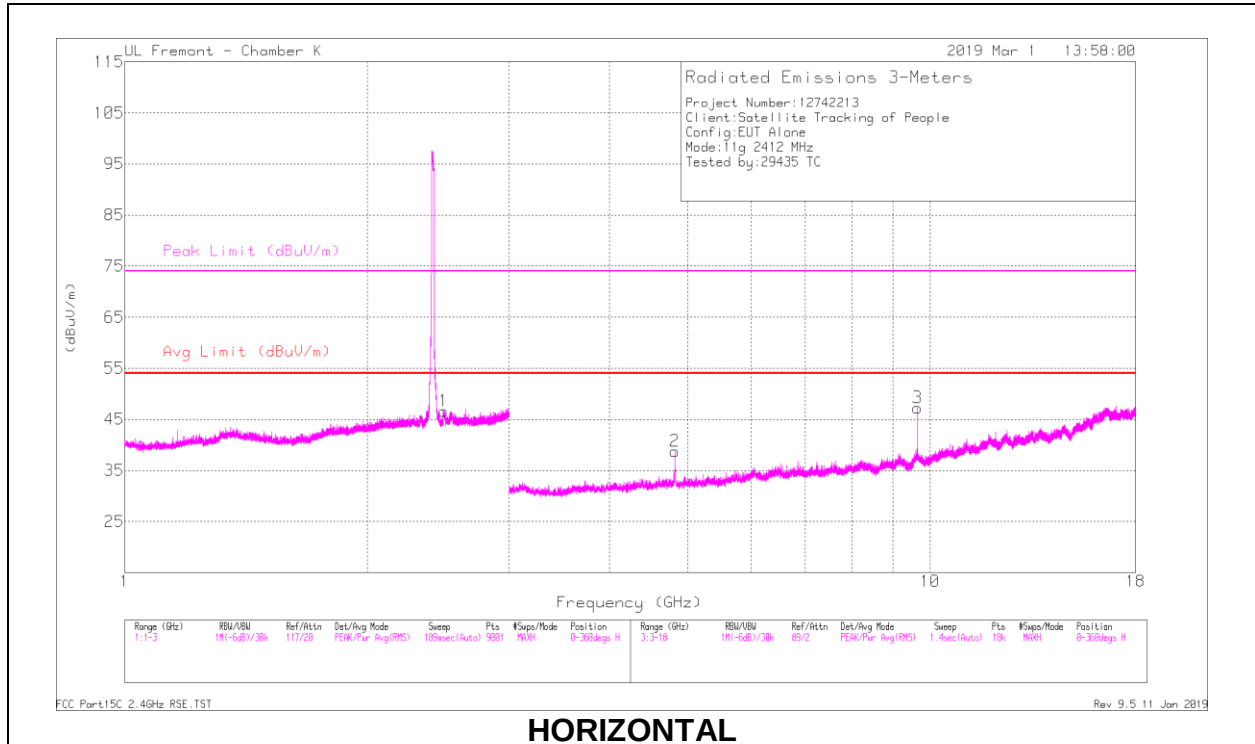


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	Amp/CbI/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	59.64	Pk	32.3	-24.8	67.14	-	-	74	-6.86	126	115	V
2	* 2.485	61.58	Pk	32.3	-24.8	69.08	-	-	74	-4.92	126	115	V
3	* 2.484	40.34	RMS	32.3	-24.8	47.84	54	-6.16	-	-	126	115	V
4	* 2.484	42.18	RMS	32.3	-24.8	49.68	54	-4.32	-	-	126	115	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

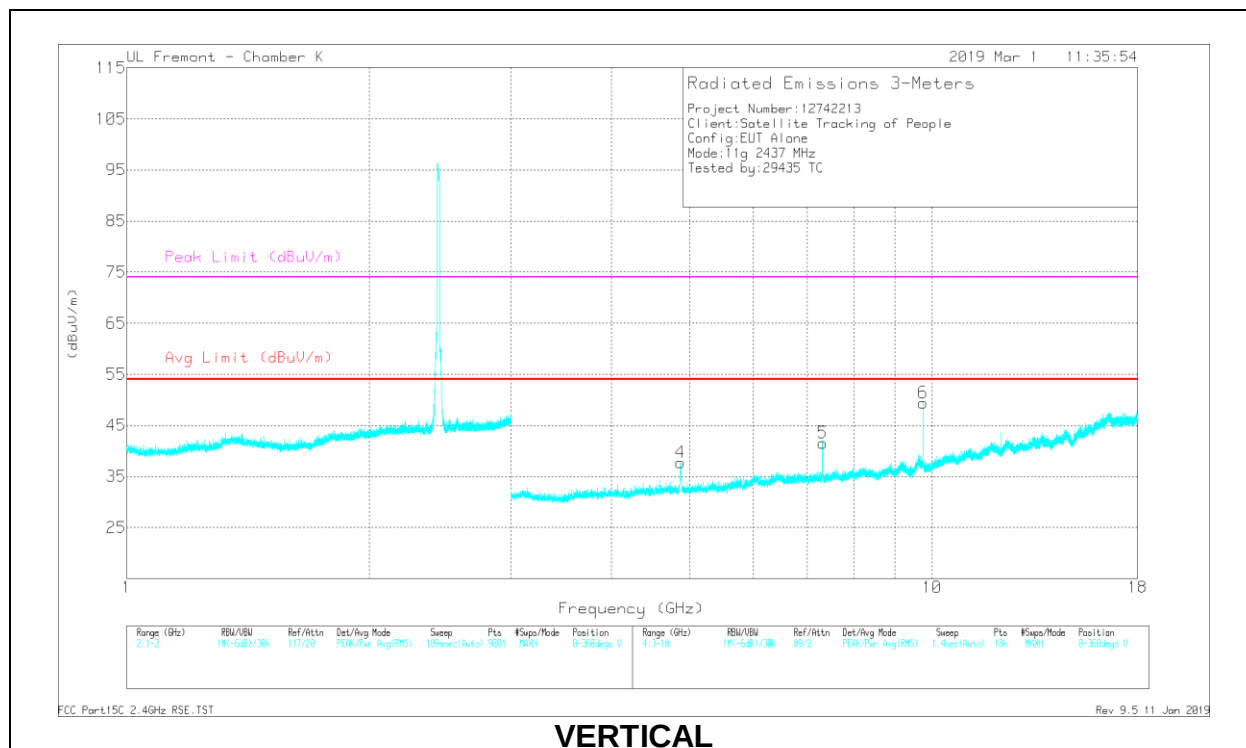
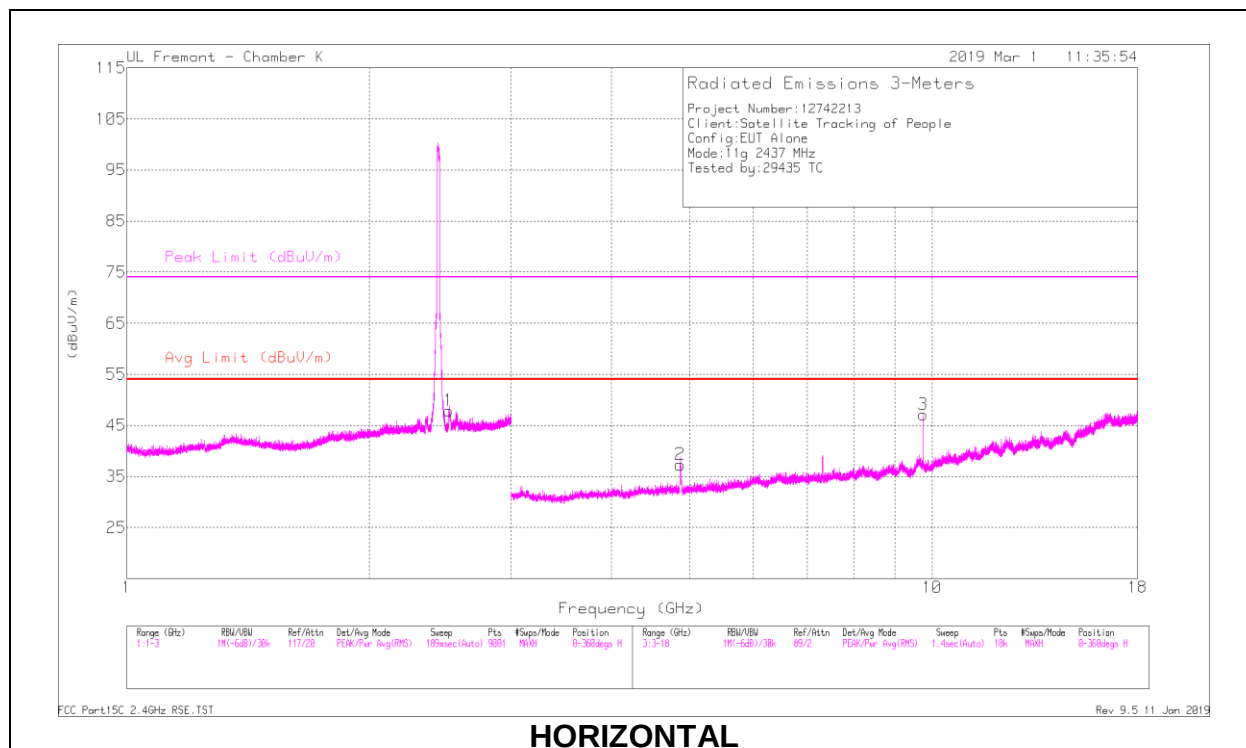
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.488	46.69	PK2	32.3	-24.8	54.19	-	-	74	-19.81	16	108	H
* 2.487	37.91	MAV1	32.3	-24.8	45.41	54	-8.59	-	-	16	108	H
* 4.824	40.86	PK2	34.1	-30.4	44.56	-	-	74	-29.44	54	102	H
* 4.824	33.19	MAV1	34.1	-30.4	36.89	54	-17.11	-	-	54	102	H
9.647	37.41	PK2	36.8	-23.4	50.81	-	-	-	-	352	165	H
* 4.824	39.83	PK2	34.1	-30.4	43.53	-	-	74	-30.47	144	145	V
* 4.824	30.54	MAV1	34.1	-30.4	34.24	54	-19.76	-	-	144	145	V
7.234	38.11	PK2	35.5	-26.3	47.31	-	-	-	-	14	101	V
9.648	39.67	PK2	36.8	-23.4	53.07	-	-	-	-	271	107	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

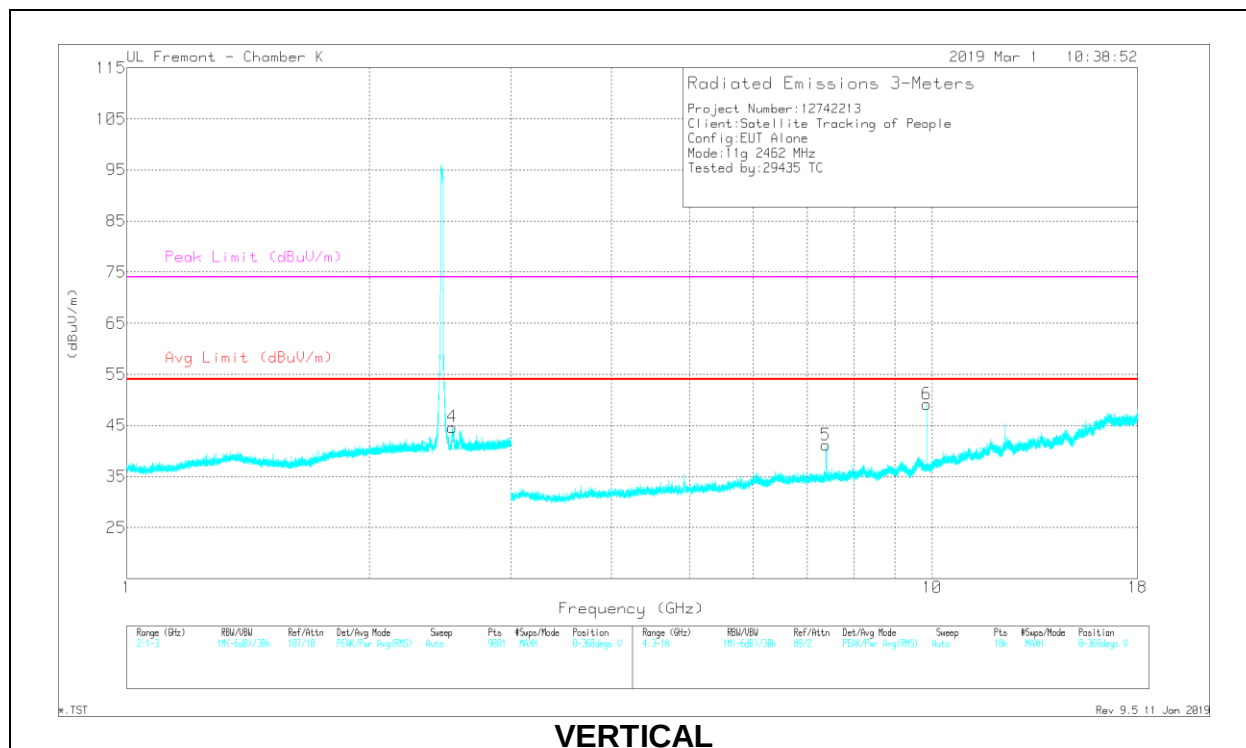
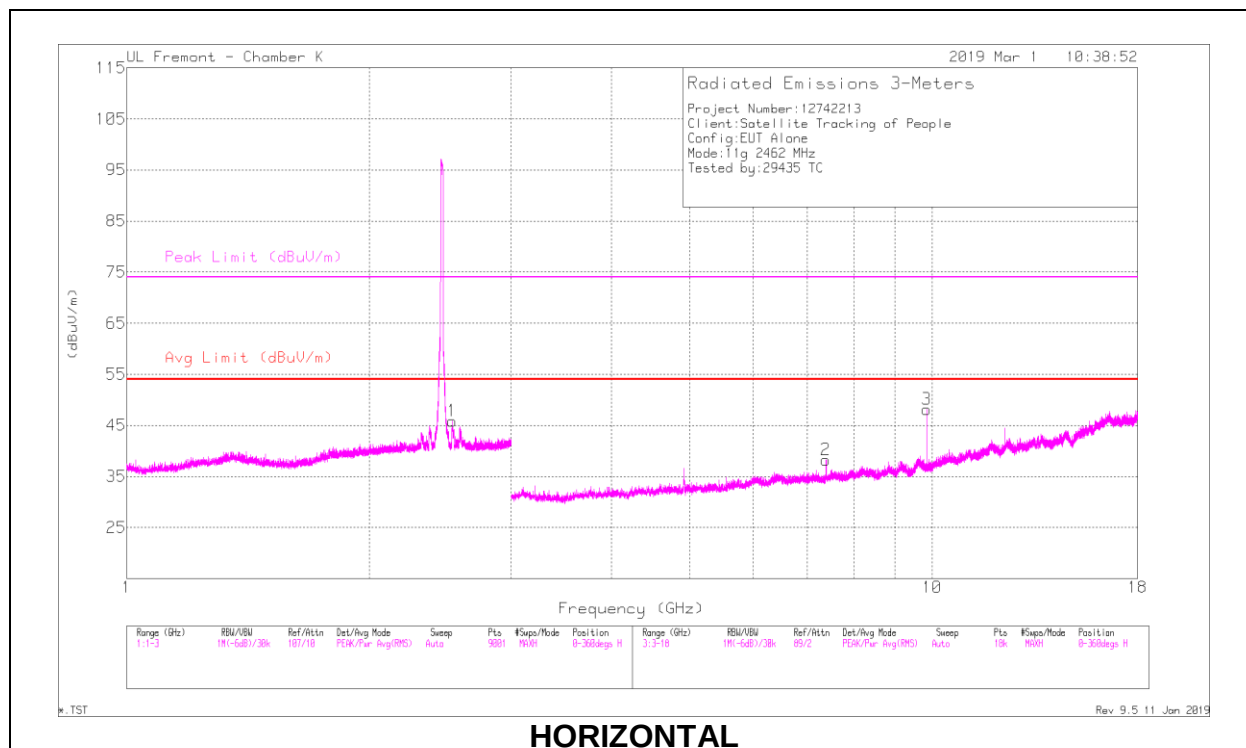
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.511	47.72	PK2	32.3	-24.8	55.22	-	-	-	-	62	119	H
9.748	36.24	PK2	36.9	-23.6	49.54	-	-	-	-	70	116	H
* 4.867	42.57	PK2	34.1	-30.6	46.07	-	-	74	-27.93	353	111	H
* 4.867	31.95	MAV1	34.1	-30.6	35.45	54	-18.55	-	-	353	111	H
9.747	38.86	PK2	36.9	-23.6	52.16	-	-	-	-	297	107	V
* 4.874	43.46	PK2	34.1	-30.5	47.06	-	-	74	-26.94	136	130	V
* 4.875	32.53	MAV1	34.1	-30.5	36.13	54	-17.87	-	-	136	130	V
* 7.313	41.43	PK2	35.5	-26.3	50.63	-	-	74	-23.37	0	352	V
* 7.316	32.74	MAV1	35.5	-26.4	41.84	54	-12.16	-	-	0	352	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

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit 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
2.535	45.48	PK2	32.3	-24.8	52.98	-	-	-	-	67	102	H
2.537	44.61	PK2	32.3	-24.8	52.11	-	-	-	-	139	107	V
9.848	35.35	PK2	36.9	-23.3	48.95	-	-	-	-	71	102	H
* 7.385	37.04	PK2	35.5	-26.5	46.04	-	-	74	-27.96	293	108	H
* 7.386	27.35	MAV1	35.5	-26.5	36.35	54	-17.65	-	-	293	108	H
9.847	37.54	PK2	36.9	-23.3	51.14	-	-	-	-	289	100	V
* 7.386	41.15	PK2	35.5	-26.5	50.15	-	-	74	-23.85	360	343	V
* 7.386	32.07	MAV1	35.5	-26.5	41.07	54	-12.93	-	-	360	343	V

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

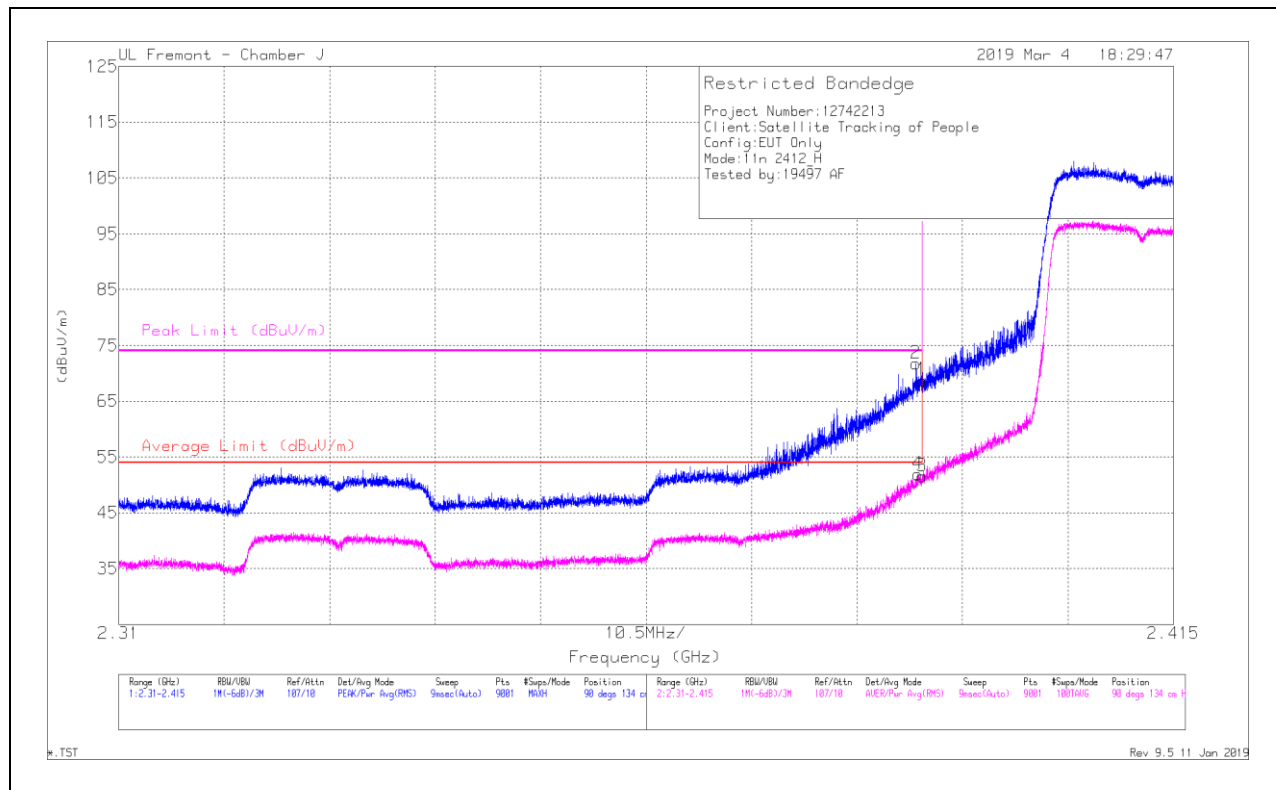
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

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

BANEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



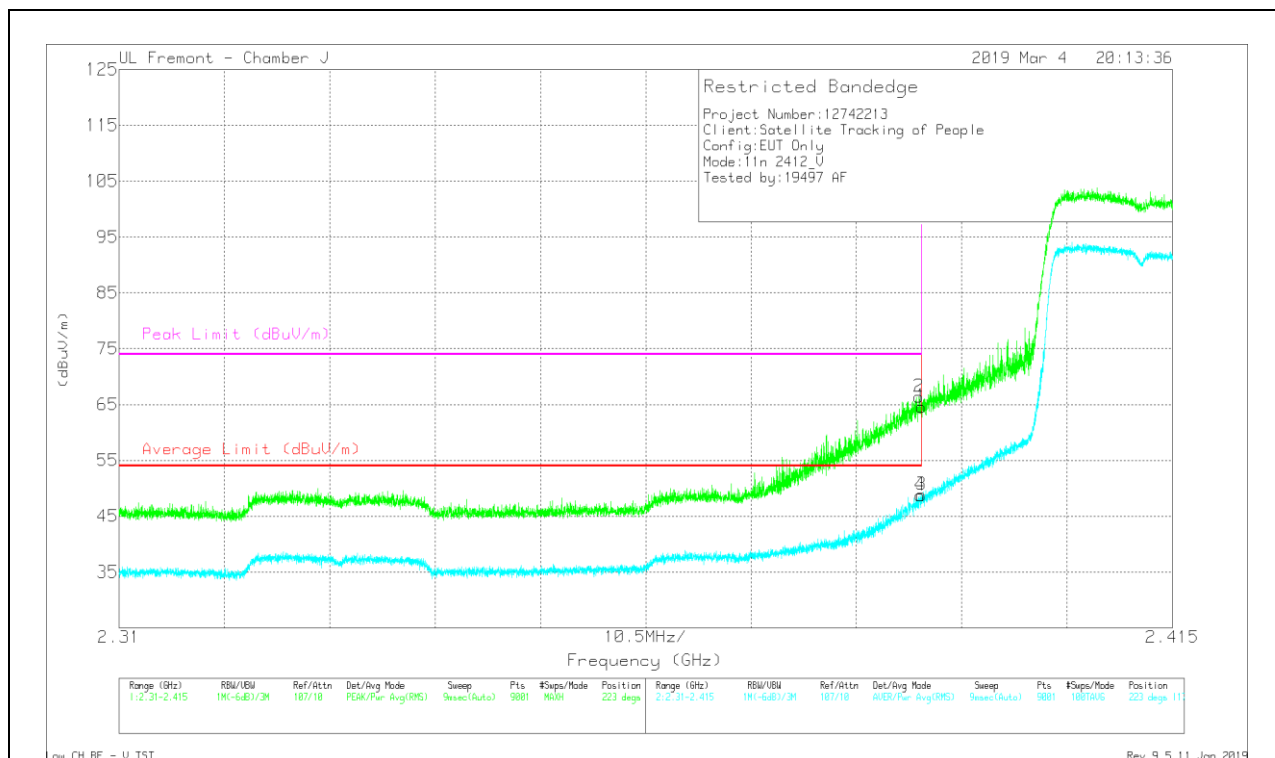
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE018905 5 (dB/m)	Amp/Cb/Flt r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	65.03	Pk	29.5	-25.8	68.73	-	-	74	-5.27	90	134	H
2	* 2.389	68.11	Pk	29.5	-25.8	71.81	-	-	74	-2.19	90	134	H
3	* 2.39	47.85	RMS	29.5	-25.8	51.55	54	-2.45	-	-	90	134	H
4	* 2.39	48.22	RMS	29.5	-25.8	51.92	54	-2.08	-	-	90	134	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 PRE0189055 (dB/m)	Ampl/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	* 2.39	60.91	Pk	29.5	-25.8	64.61	-	-	74	-9.39	223	117	V
2	* 2.39	62.67	Pk	29.5	-25.8	66.37	-	-	74	-7.63	223	117	V
3	* 2.39	45.11	RMS	29.5	-25.8	48.81	54	-5.19	-	-	223	117	V
4	* 2.39	45.06	RMS	29.5	-25.8	48.76	54	-5.24	-	-	223	117	V

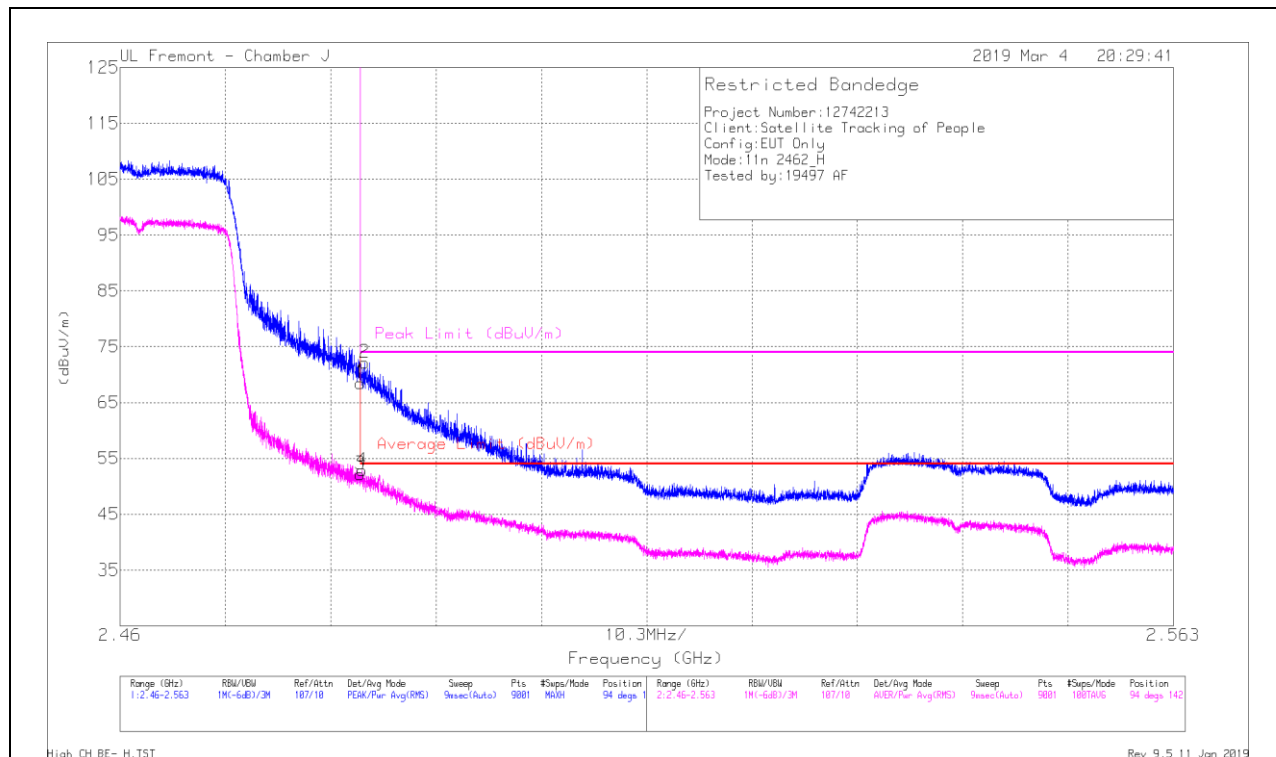
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

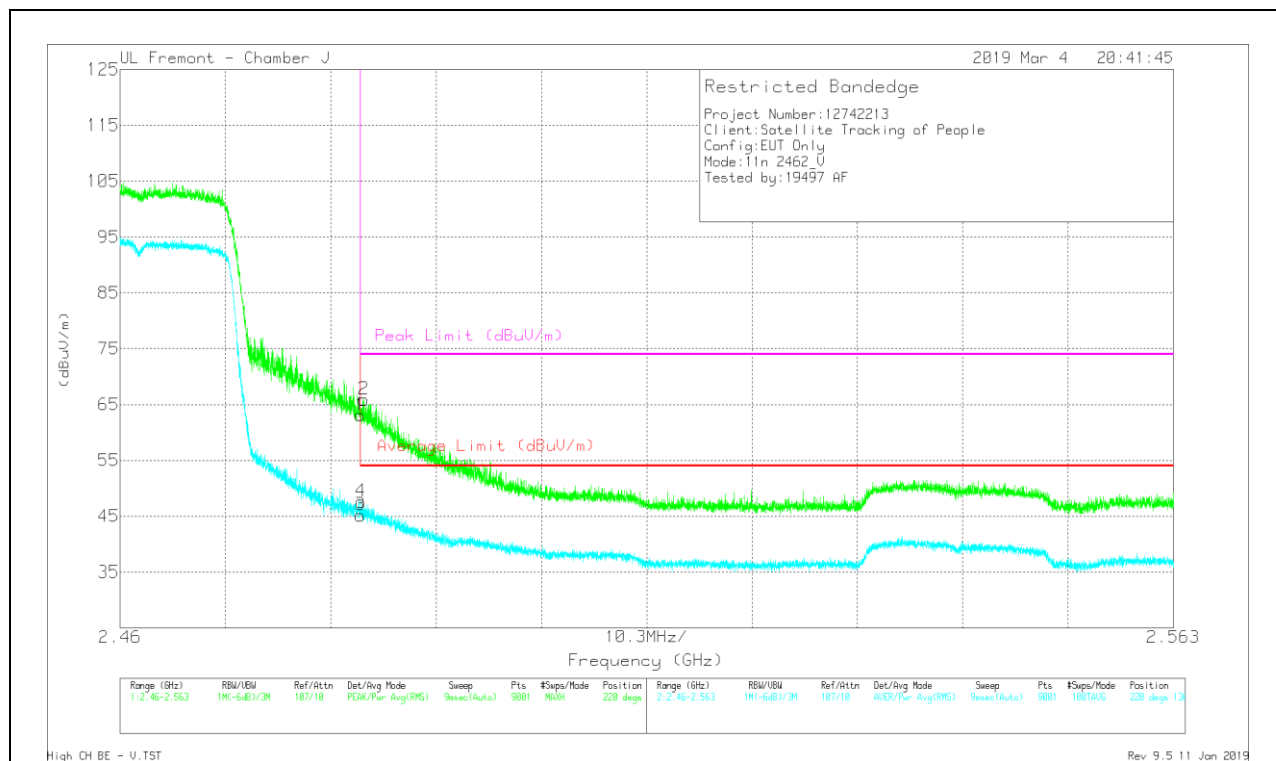
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cb/ 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	* 2.484	64.41	Pk	29.9	-25.8	68.51	-	-	74	-5.49	94	142	H
2	* 2.484	68.06	Pk	29.9	-25.8	72.16	-	-	74	-1.84	94	142	H
3	* 2.484	48.08	RMS	29.9	-25.8	52.18	54	-1.82	-	-	94	142	H
4	* 2.484	48.75	RMS	29.9	-25.8	52.85	54	-1.15	-	-	94	142	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 PRE0189055 (dB/m)	Ampl/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	59	Pk	29.9	-25.8	63.1	-	-	74	-10.9	220	136	V
2	* 2.484	61.77	Pk	29.9	-25.8	65.87	-	-	74	-8.13	220	136	V
3	* 2.484	41.06	RMS	29.9	-25.8	45.16	54	-8.84	-	-	220	136	V
4	* 2.484	43.5	RMS	29.9	-25.8	47.6	54	-6.4	-	-	220	136	V

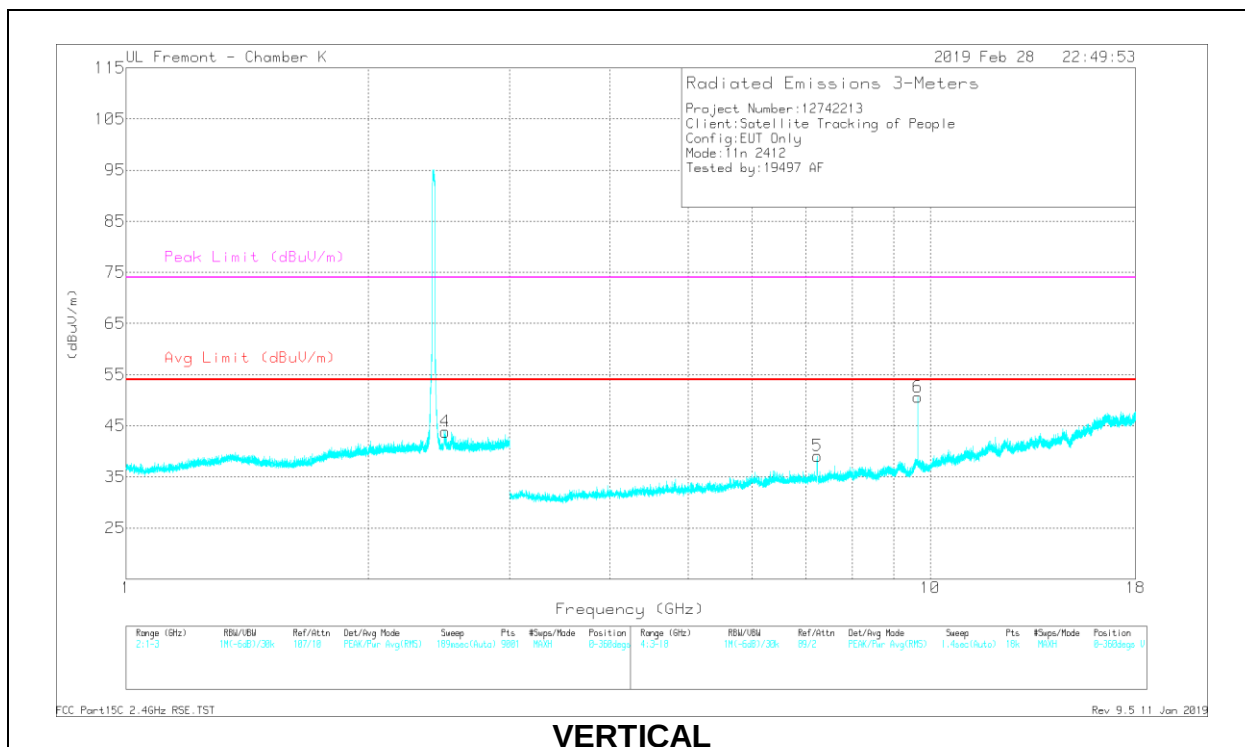
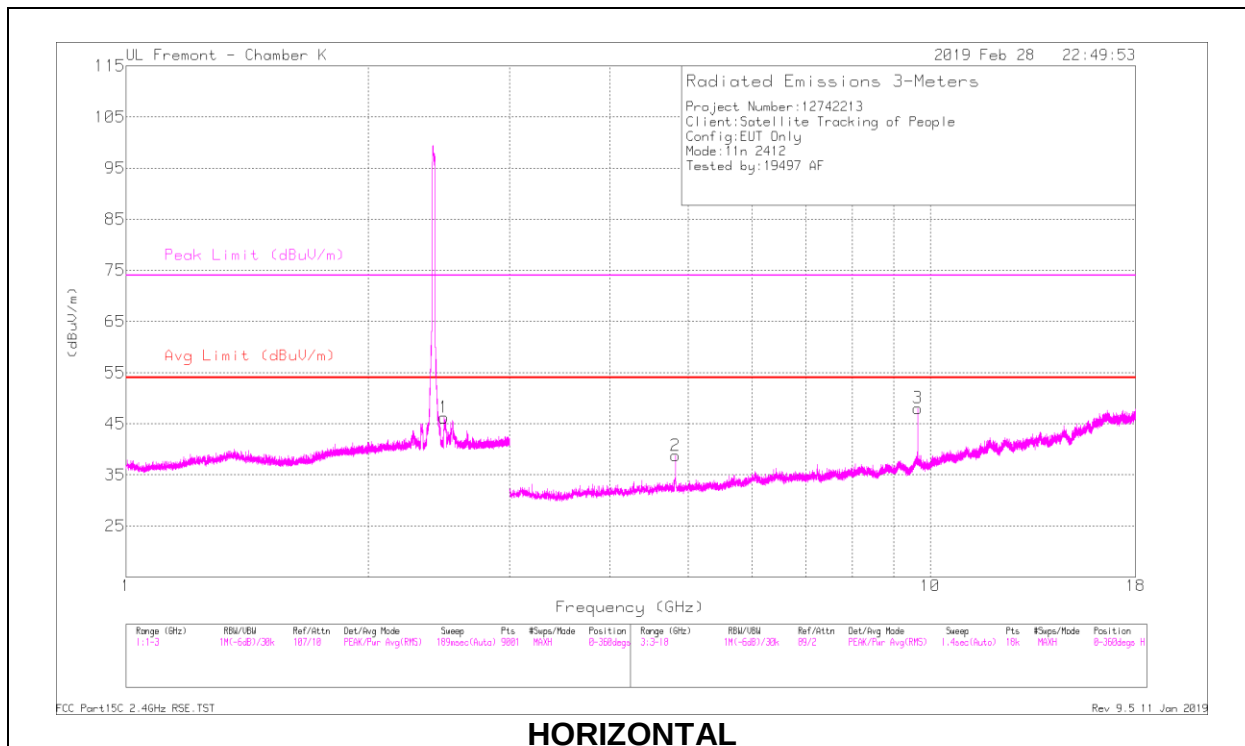
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

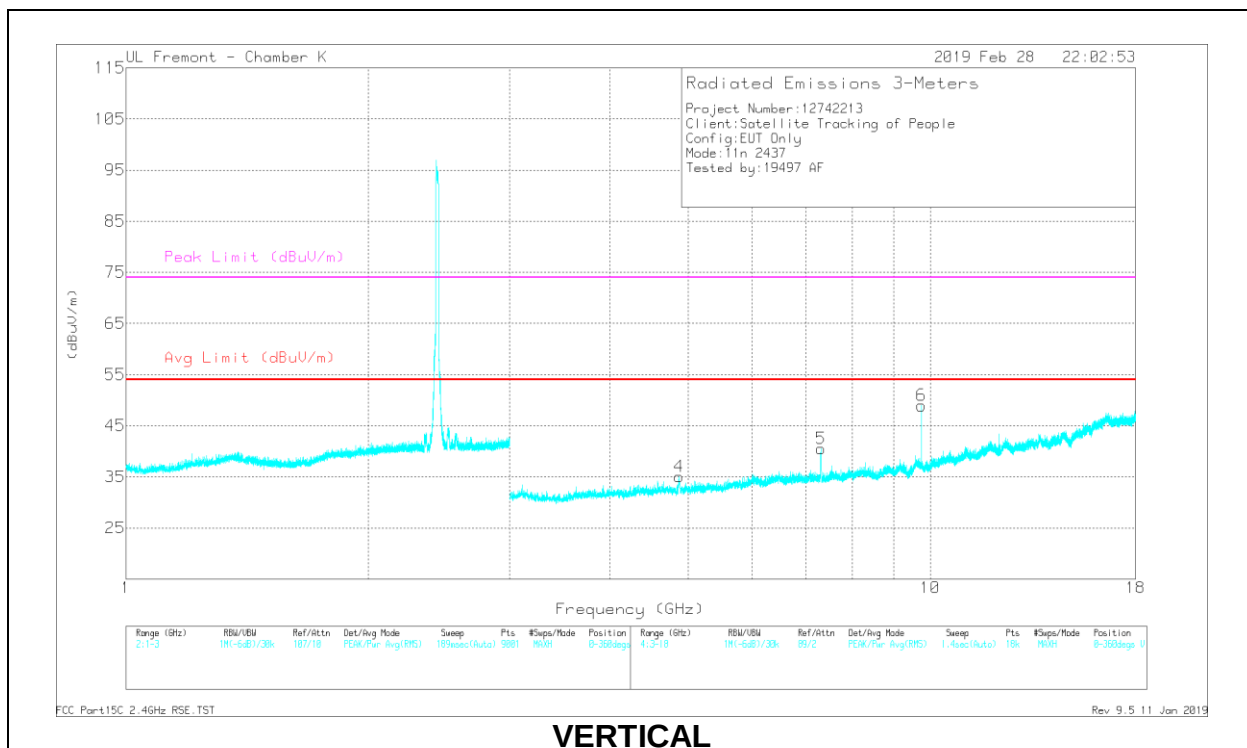
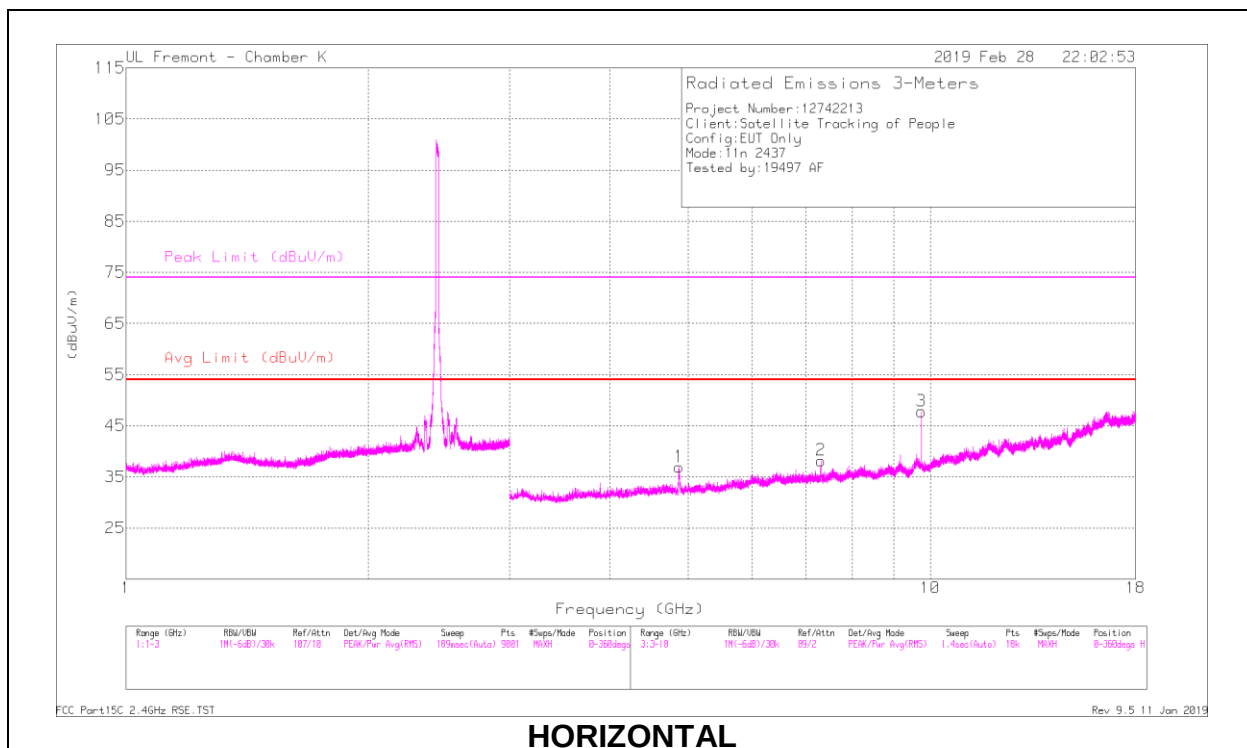
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.487	49.24	PK2	32.3	-24.8	56.74	-	-	74	-17.26	8	114	H
* 2.487	38.44	MAV1	32.3	-24.8	45.94	54	-8.06	-	-	8	114	H
* 2.495	44.51	PK2	32.3	-24.8	52.01	-	-	74	-21.99	141	102	V
* 2.494	35.24	MAV1	32.3	-24.8	42.74	54	-11.26	-	-	141	102	V
* 4.824	40.89	PK2	34.1	-30.4	44.59	-	-	74	-29.41	348	164	H
* 4.824	31.88	MAV1	34.1	-30.4	35.58	54	-18.42	-	-	348	164	H
9.648	37.23	PK2	36.8	-23.4	50.63	-	-	-	-	317	101	H
7.235	39.36	PK2	35.5	-26.3	48.56	-	-	-	-	19	107	V
9.647	39.35	PK2	36.8	-23.4	52.75	-	-	-	-	278	109	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

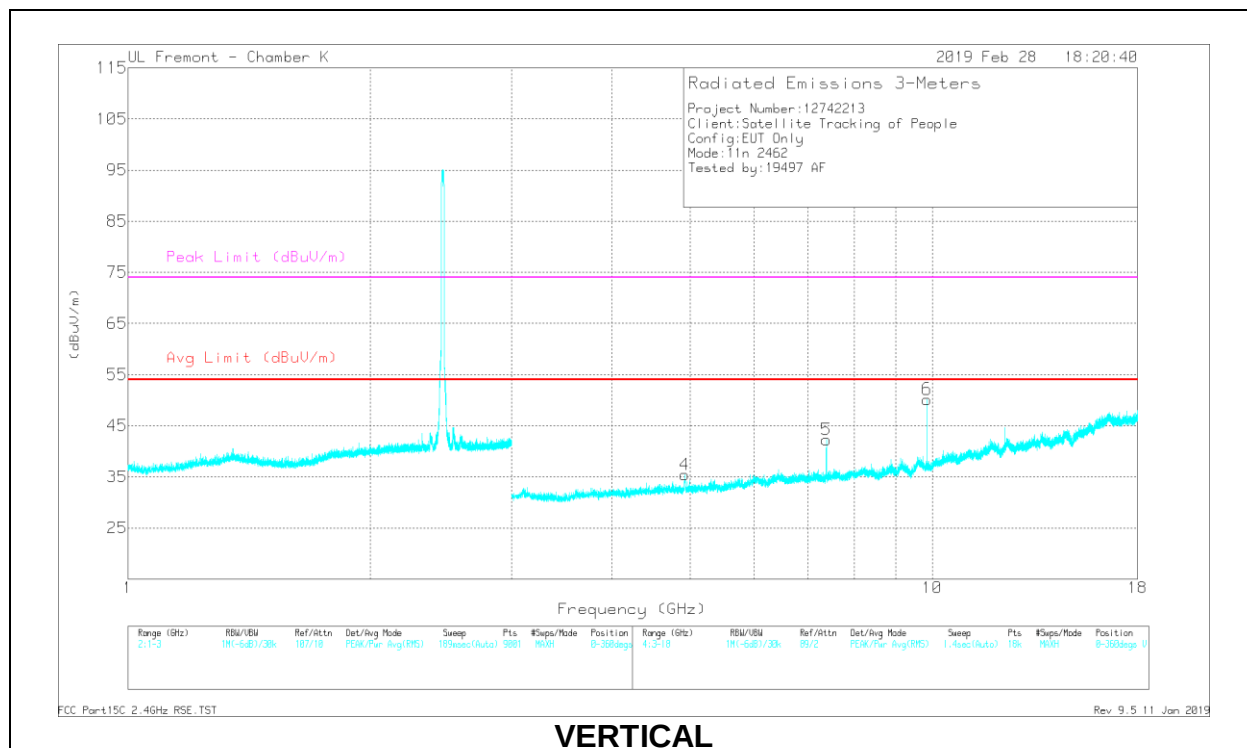
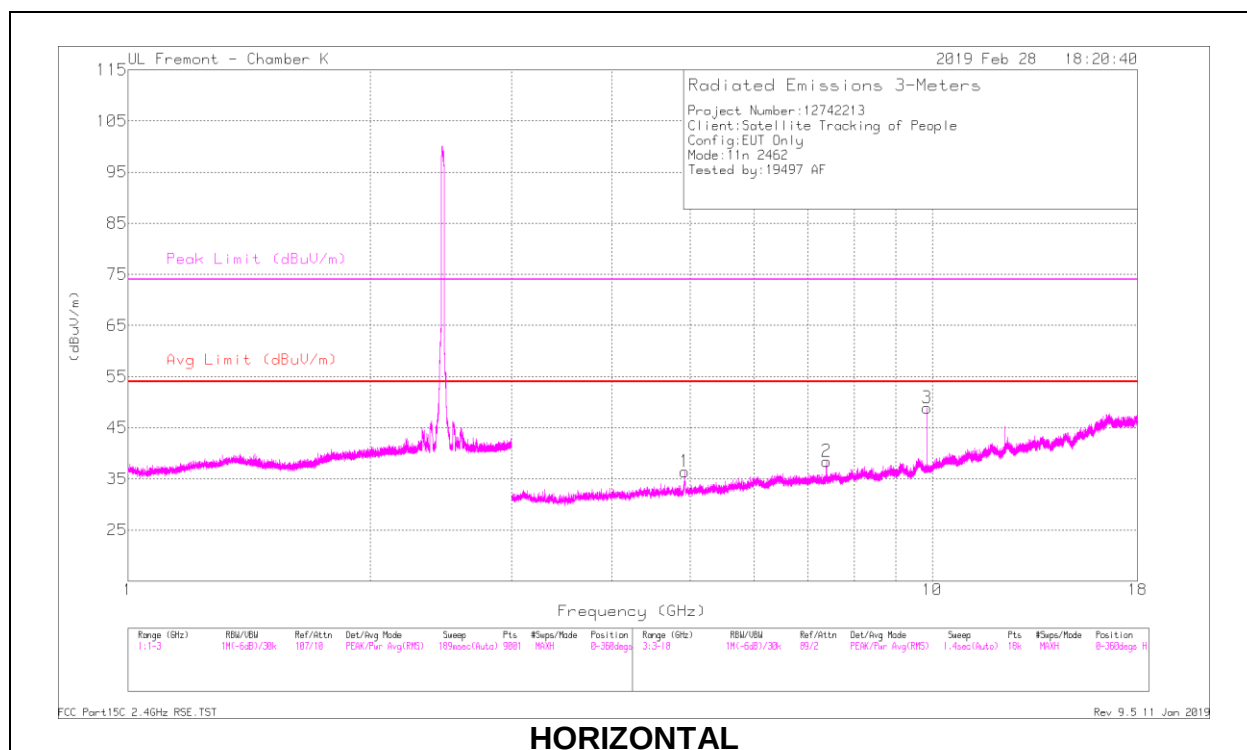
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.873	41.07	PK2	34.1	-30.5	44.67	-	-	74	-29.33	350	102	H
* 4.874	33.01	MAV1	34.1	-30.5	36.61	54	-17.39	-	-	350	102	H
* 7.312	38.29	PK2	35.5	-26.3	47.49	-	-	74	-26.51	353	101	H
* 7.311	28.13	MAV1	35.5	-26.3	37.33	54	-16.67	-	-	353	101	H
9.747	36.61	PK2	36.9	-23.6	49.91	-	-	-	-	67	102	H
* 4.876	39.75	PK2	34.1	-30.5	43.35	-	-	74	-30.65	137	138	V
* 4.874	30.99	MAV1	34.1	-30.5	34.59	54	-19.41	-	-	137	138	V
* 7.314	39.98	PK2	35.5	-26.3	49.18	-	-	74	-24.82	305	252	V
* 7.314	30.37	MAV1	35.5	-26.3	39.57	54	-14.43	-	-	305	252	V
9.748	38.57	PK2	36.9	-23.6	51.87	-	-	-	-	271	135	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

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.924	38.91	PK2	34.2	-30.6	42.51	-	-	74	-31.49	44	104	H
* 4.924	31.78	MAV1	34.2	-30.6	35.38	54	-18.62	-	-	44	104	H
* 7.392	37.41	PK2	35.5	-26.5	46.41	-	-	74	-27.59	306	109	H
* 7.393	28.49	MAV1	35.5	-26.5	37.49	54	-16.51	-	-	306	109	H
9.847	37.09	PK2	36.9	-23.3	50.69	-	-	-	-	360	176	H
* 4.921	39.51	PK2	34.1	-30.6	43.01	-	-	74	-30.99	5	365	V
* 4.924	30.85	MAV1	34.2	-30.6	34.45	54	-19.55	-	-	5	365	V
* 7.387	40.97	PK2	35.5	-26.5	49.97	-	-	74	-24.03	9	118	V
* 7.386	31.5	MAV1	35.5	-26.5	40.5	54	-13.5	-	-	9	118	V
9.847	37.46	PK2	36.9	-23.3	51.06	-	-	-	-	299	102	V

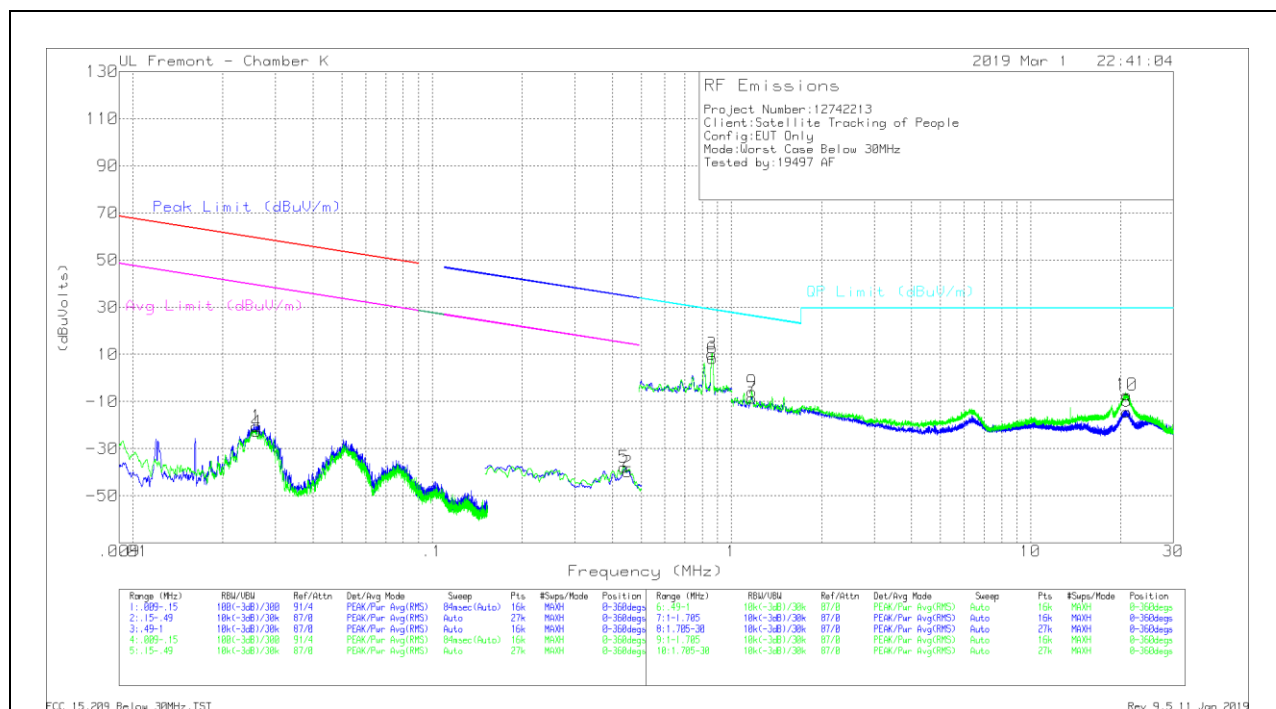
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

9.2. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz DATA

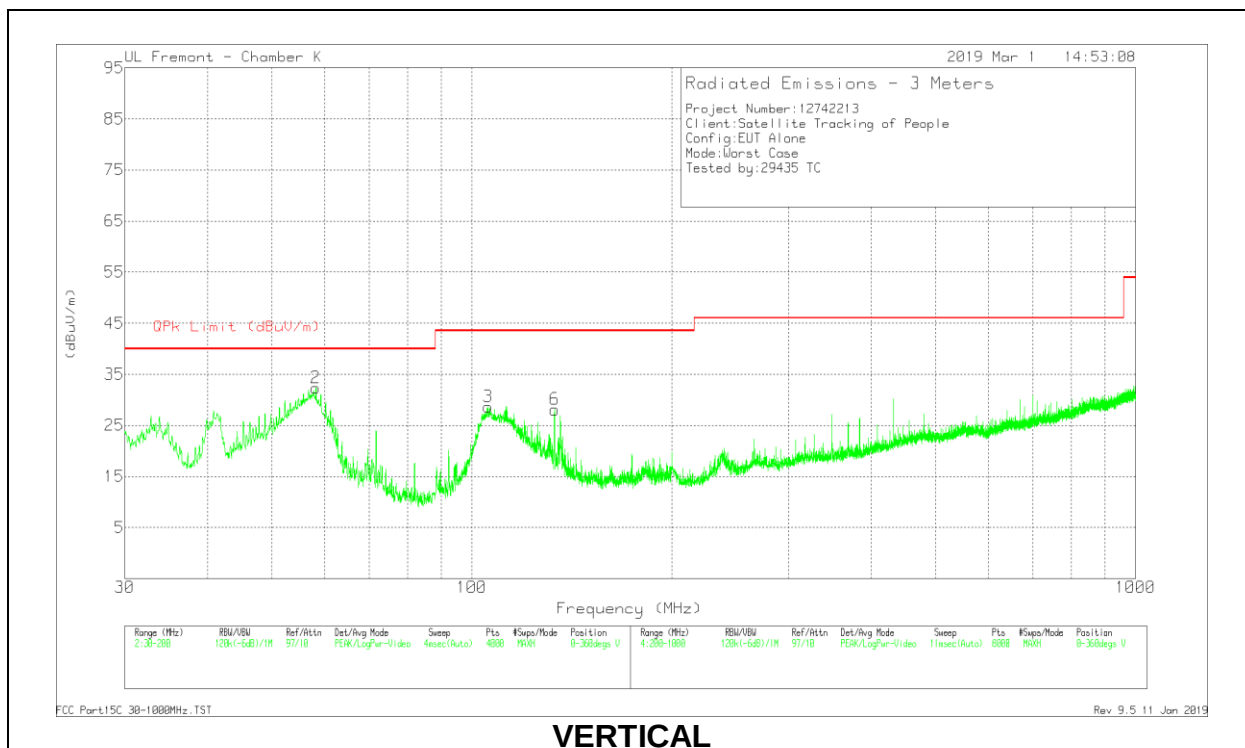
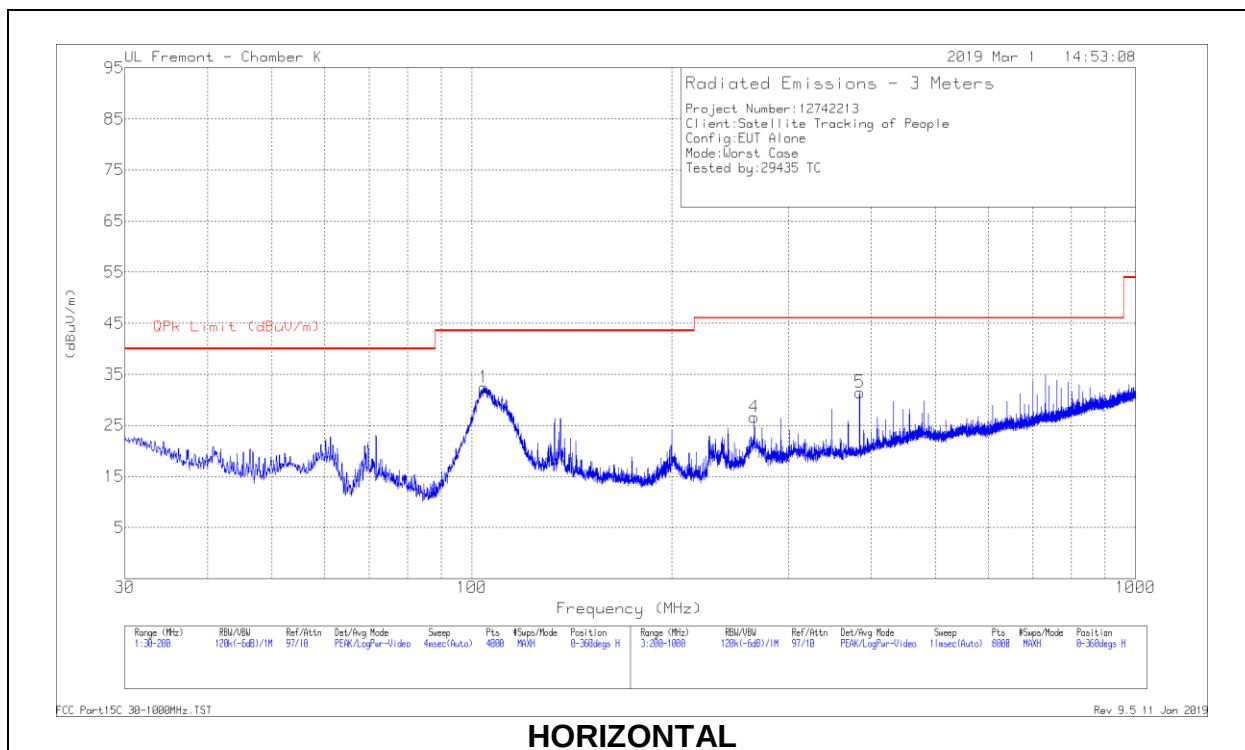
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE018 6650	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02586	33.32	Pk	58.4	-32.2	-80	-20.48	59.33	-79.81	39.33	-59.81	-	-	14.54	-54.41	0-360
2	.45023	16.03	Pk	56.2	-32.1	-80	-39.87	-	-	-	-	34.54	-74.41	-	-	0-360
4	.02588	31.05	Pk	58.4	-32.2	-80	-22.75	59.33	-82.08	39.33	-62.08	-	-	-	-	0-360
5	.43732	18.03	Pk	56.2	-32.1	-80	-37.87	-	-	-	-	34.79	-72.66	14.79	-52.66	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE01 86650	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.86042	25.94	Pk	56.3	-32.1	-40	10.14	28.92	-18.78	0-360
6	.86562	24.21	Pk	56.3	-32.1	-40	8.41	28.87	-20.46	0-360
7	1.17219	17.98	Pk	45.5	-32.1	-40	-8.62	26.25	-34.87	0-360
8	20.96514	23.77	Pk	33.5	-31.6	-40	-14.33	29.5	-43.83	0-360
9	1.17178	20.7	Pk	45.5	-32.1	-40	-5.9	26.25	-32.15	0-360
10	20.97248	30.9	Pk	33.5	-31.6	-40	-7.2	29.5	-36.7	0-360

Pk - Peak detector

9.3. WORST CASE BELOW 1 GHZ



Below 1GHz DATA

Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184052 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
104.4045	47.27	Pk	17.4	-30.9	33.77	43.52	-9.75	223	290	H
58.2379	50.79	Pk	13.2	-31.3	32.69	40	-7.31	292	100	V
105.7356	43.66	Pk	17.6	-30.9	30.36	43.52	-13.16	252	108	V
* 133.2488	40.48	Pk	19.4	-30.6	29.28	43.52	-14.24	216	100	V
* 266.4765	38.5	Pk	18.9	-29.9	27.5	46.02	-18.52	247	102	H
383.9925	40.66	Pk	20.9	-29.4	32.16	46.02	-13.86	111	102	H

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

Pk - Peak detector