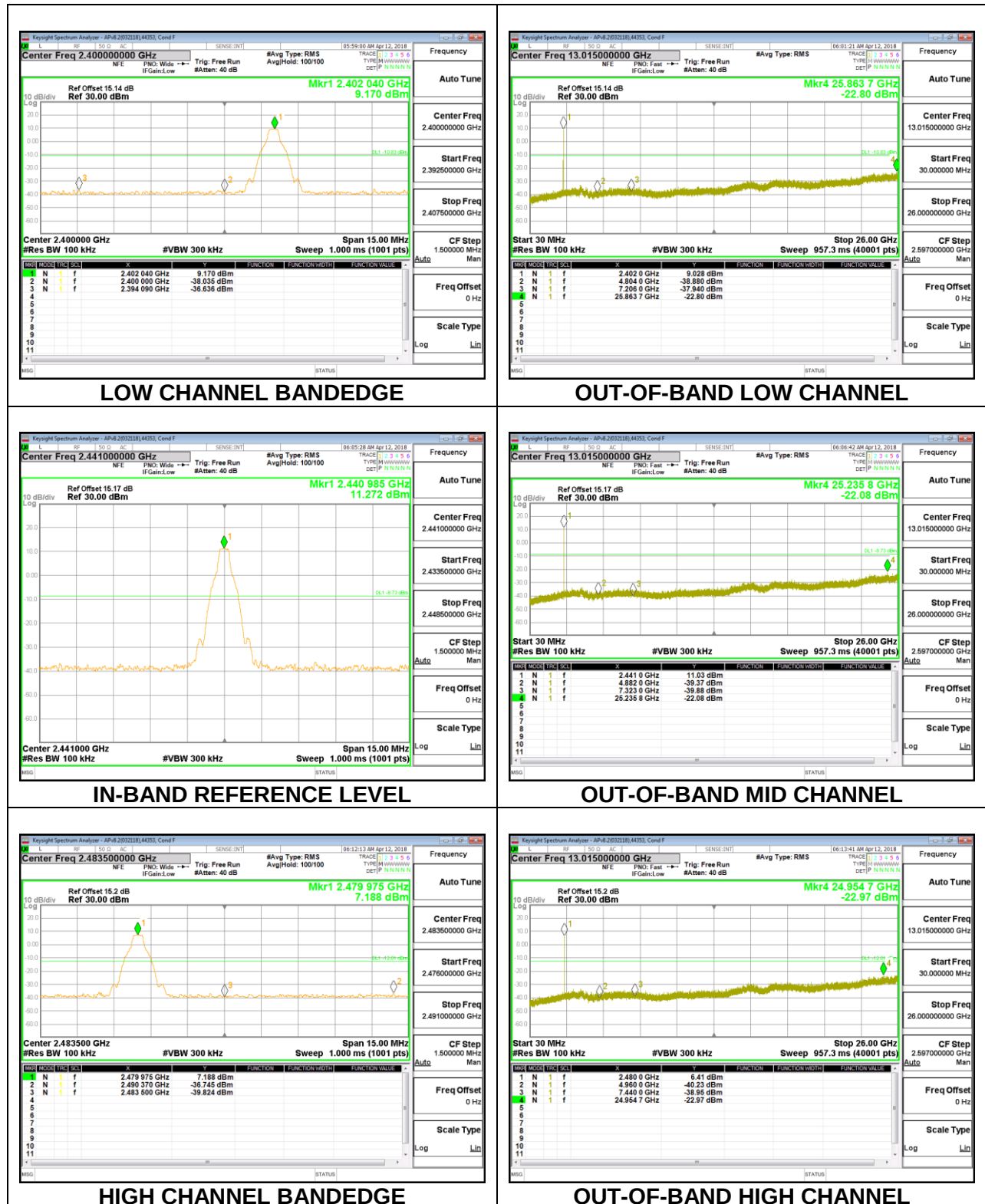
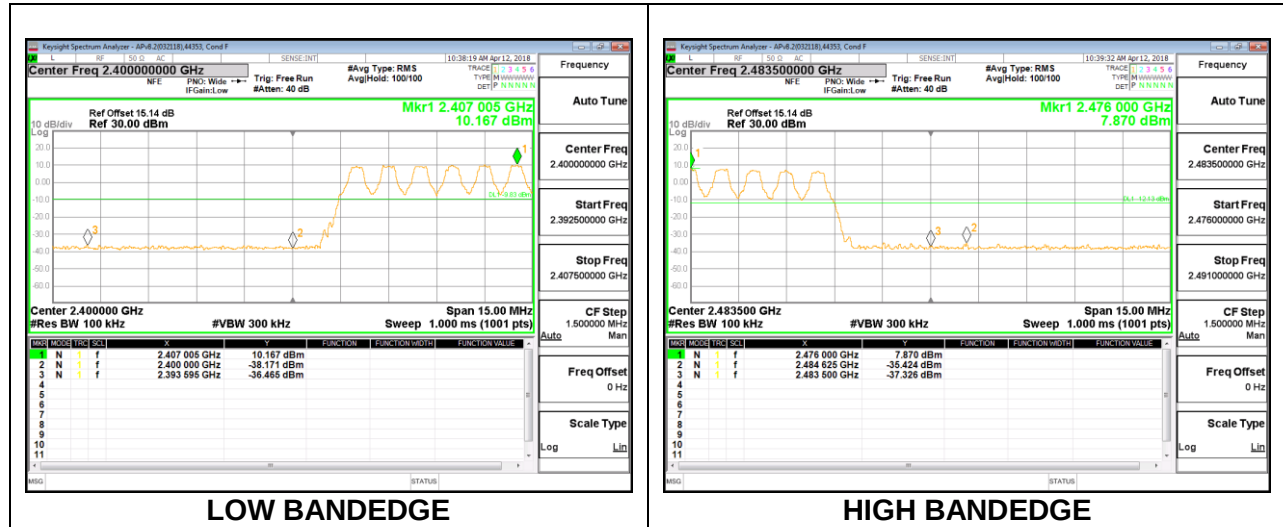


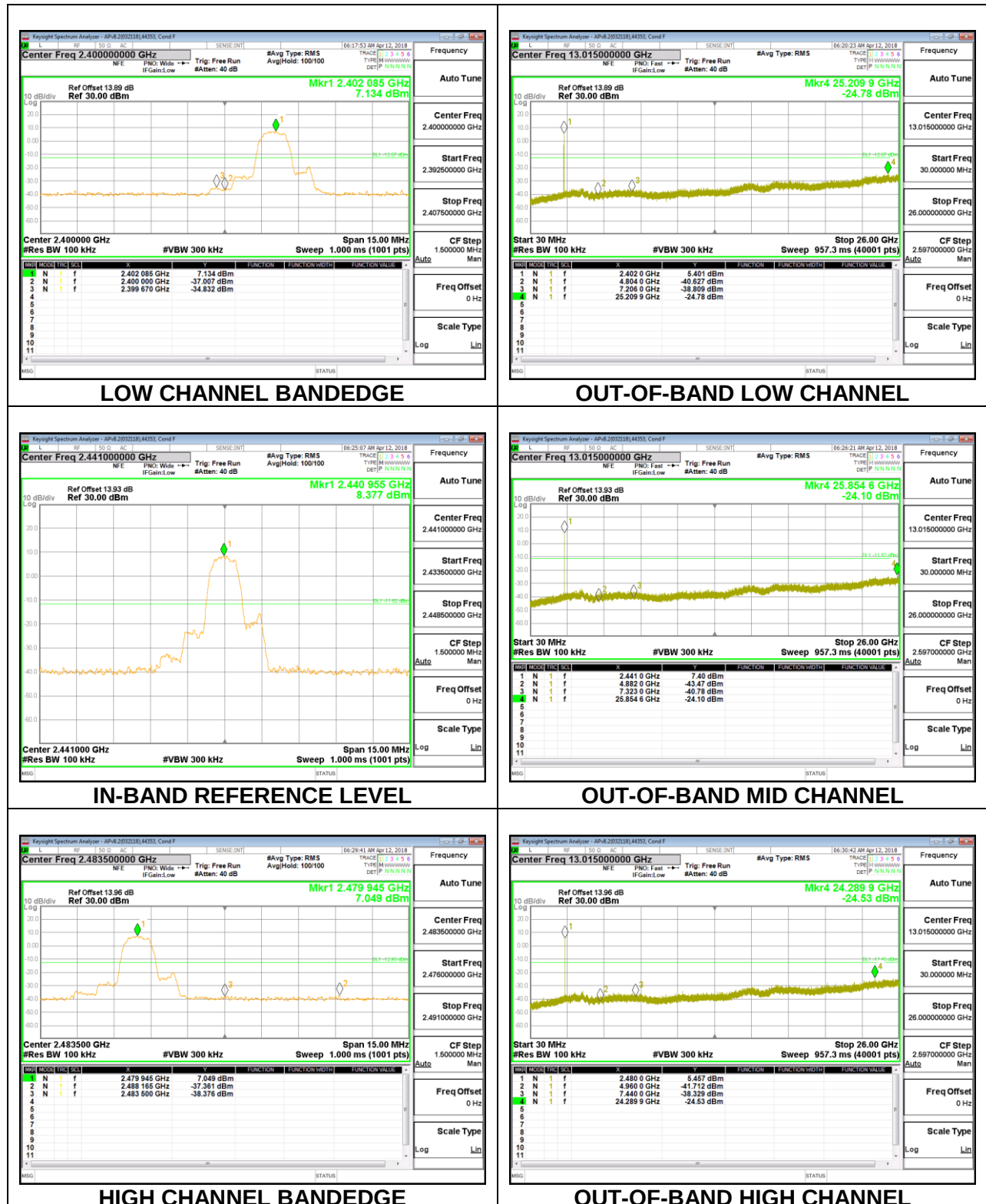
Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING



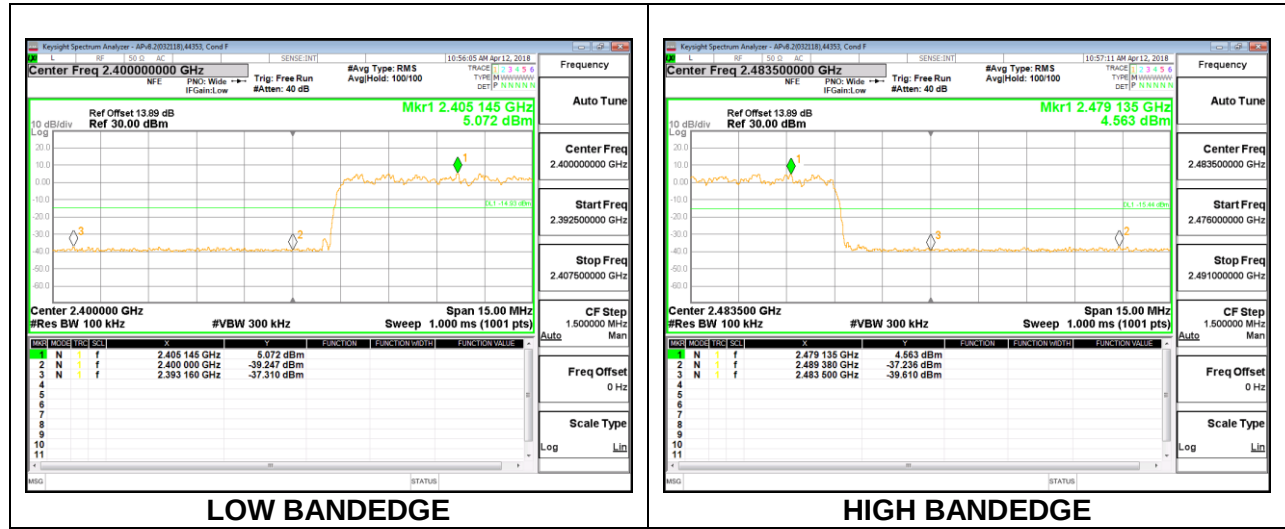
Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



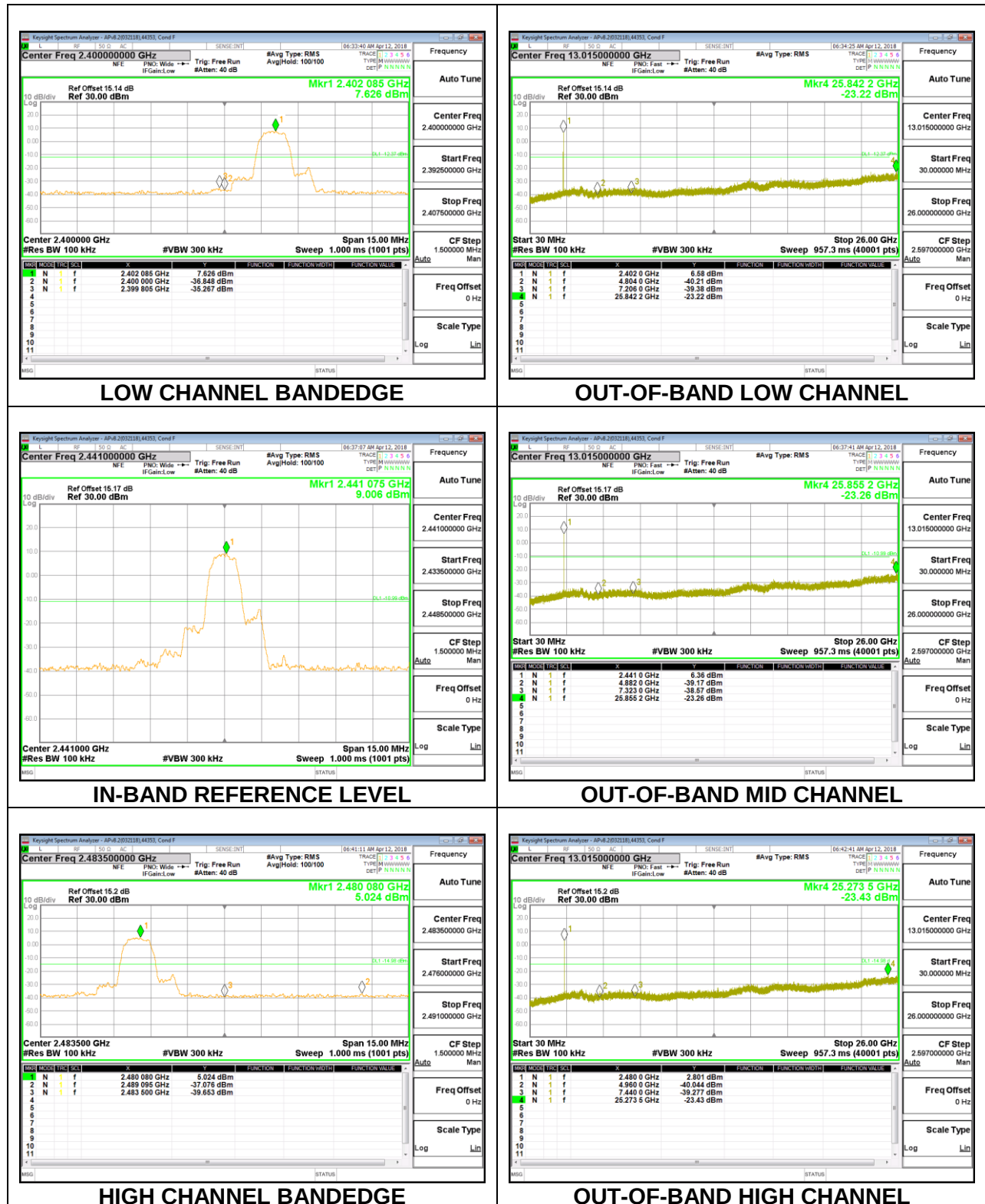
8.8.4. LOW POWER ENCHANCED DATA RATE 8PSK MODULATION **Antenna 4 SPURIOUS EMISSIONS, NON-HOPPING**



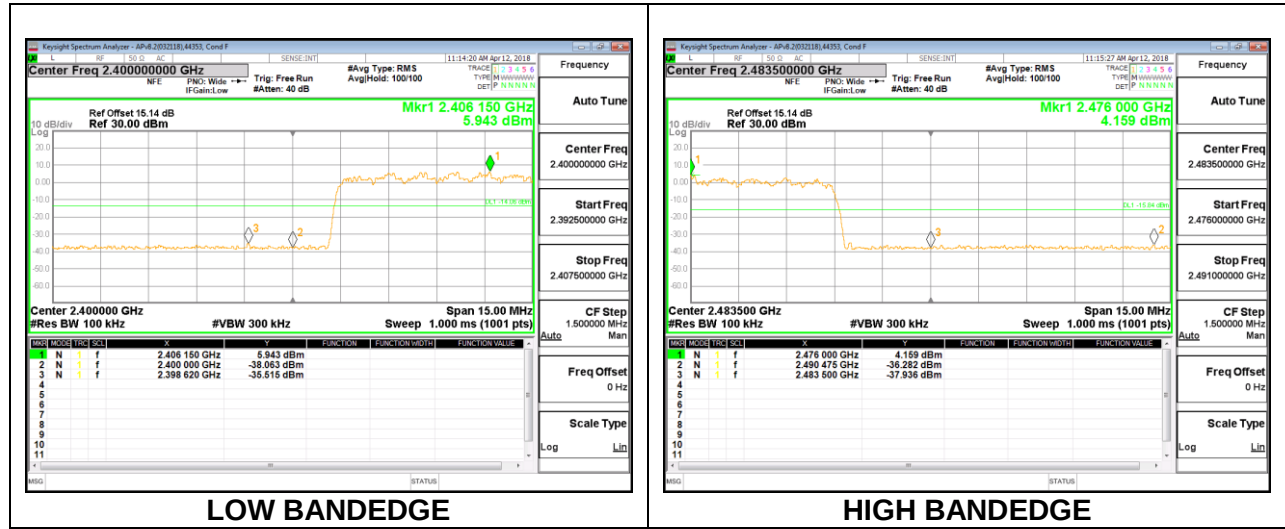
Antenna 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING



Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



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.

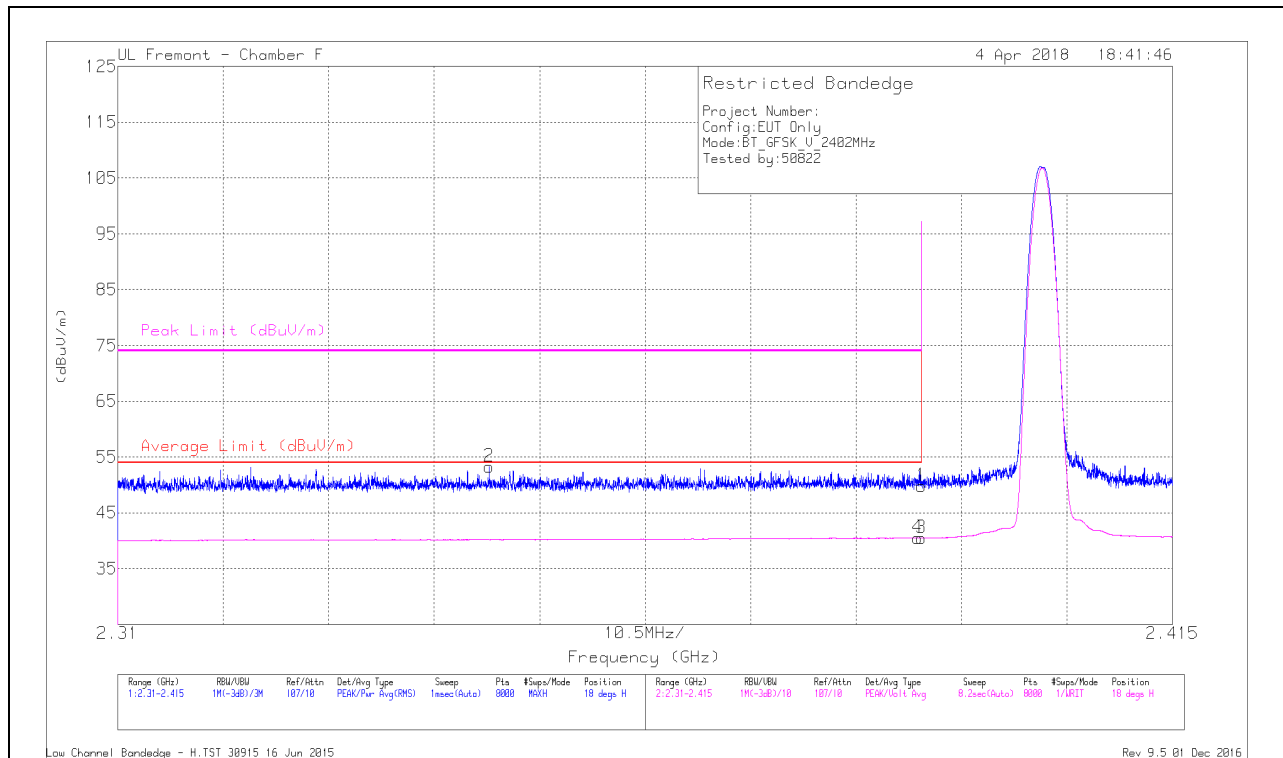
9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



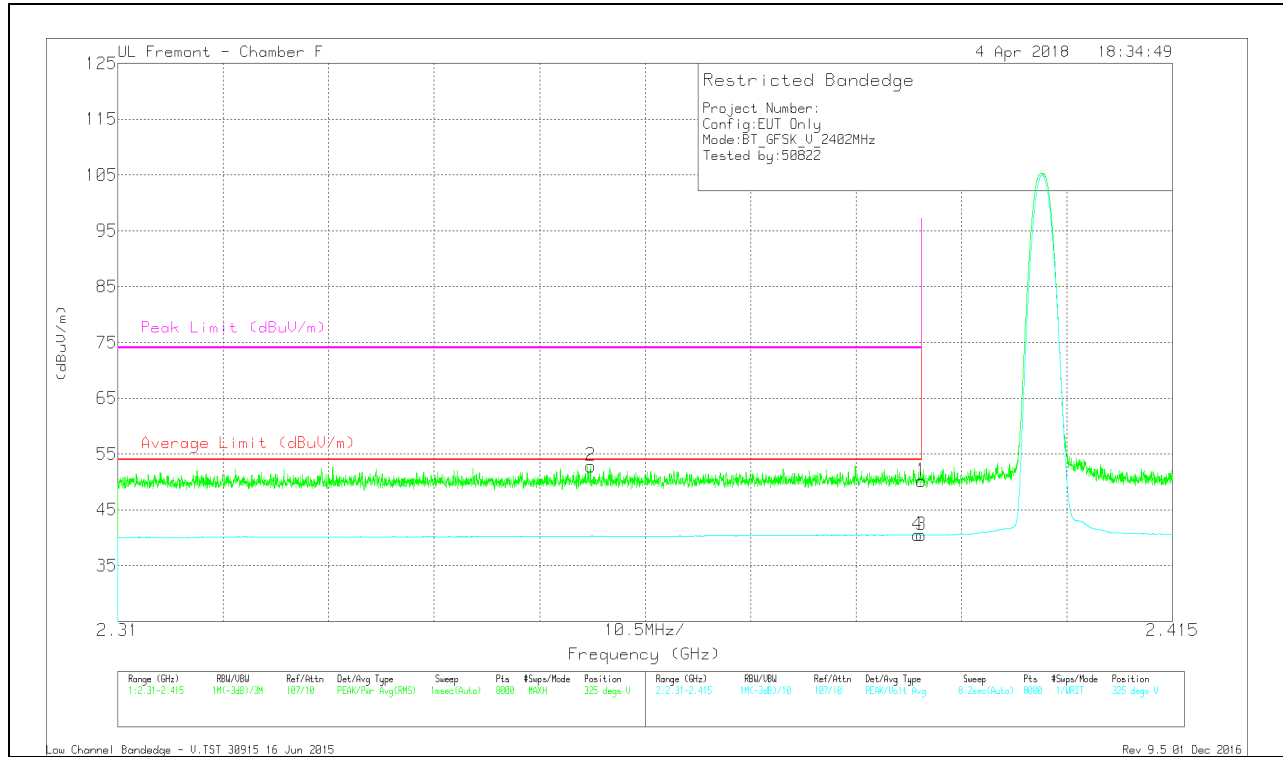
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.44	Pk	31.9	-20.6	49.74	-	-	74	-24.26	18	114	H
2	* 2.347	42.23	Pk	31.7	-20.7	53.23	-	-	74	-20.77	18	114	H
3	* 2.39	29.17	VA1T	31.9	-20.6	40.47	54	-13.53	-	-	18	114	H
4	* 2.39	29.22	VA1T	31.9	-20.6	40.52	54	-13.48	-	-	18	114	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.85	Pk	31.9	-20.6	50.15	-	-	74	-23.85	325	345	V
2	* 2.357	41.74	Pk	31.8	-20.7	52.84	-	-	74	-21.16	325	345	V
3	* 2.39	29.15	VA1T	31.9	-20.6	40.45	54	-13.55	-	-	325	345	V
4	* 2.39	29.2	VA1T	31.9	-20.6	40.5	54	-13.50	-	-	325	345	V

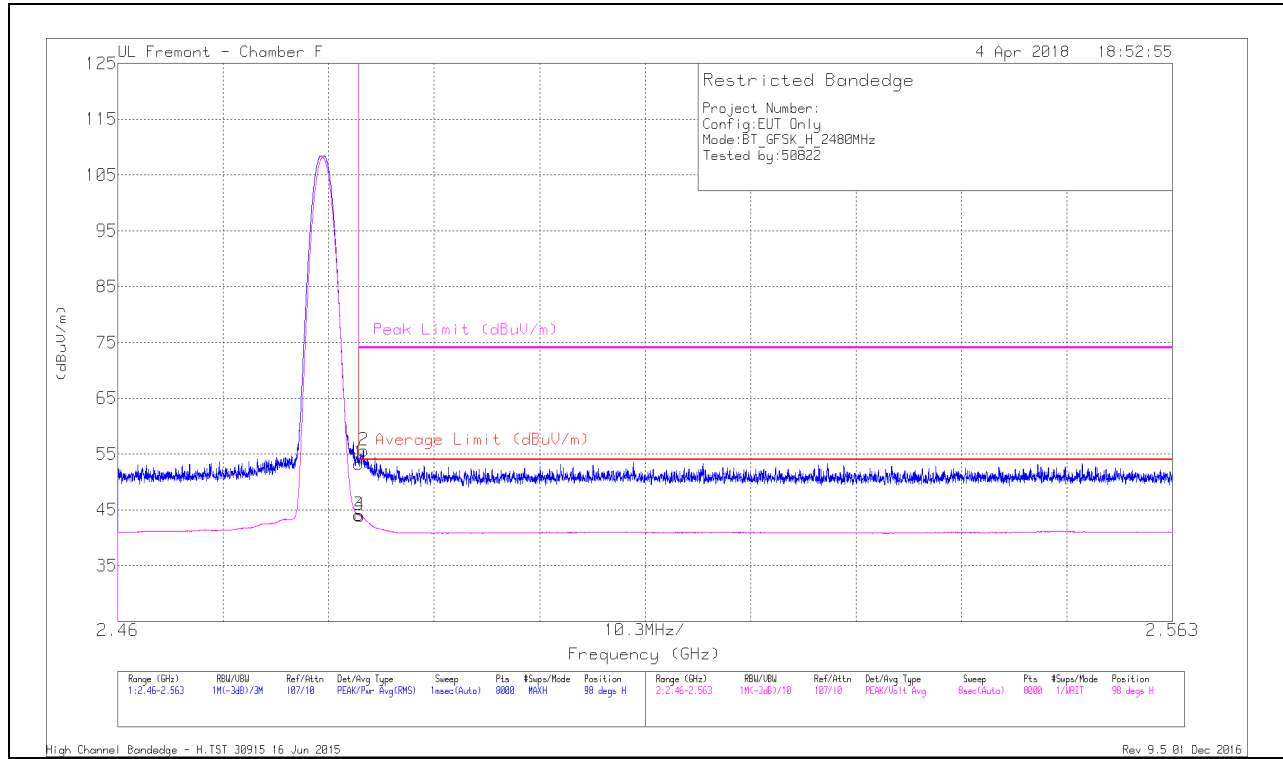
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



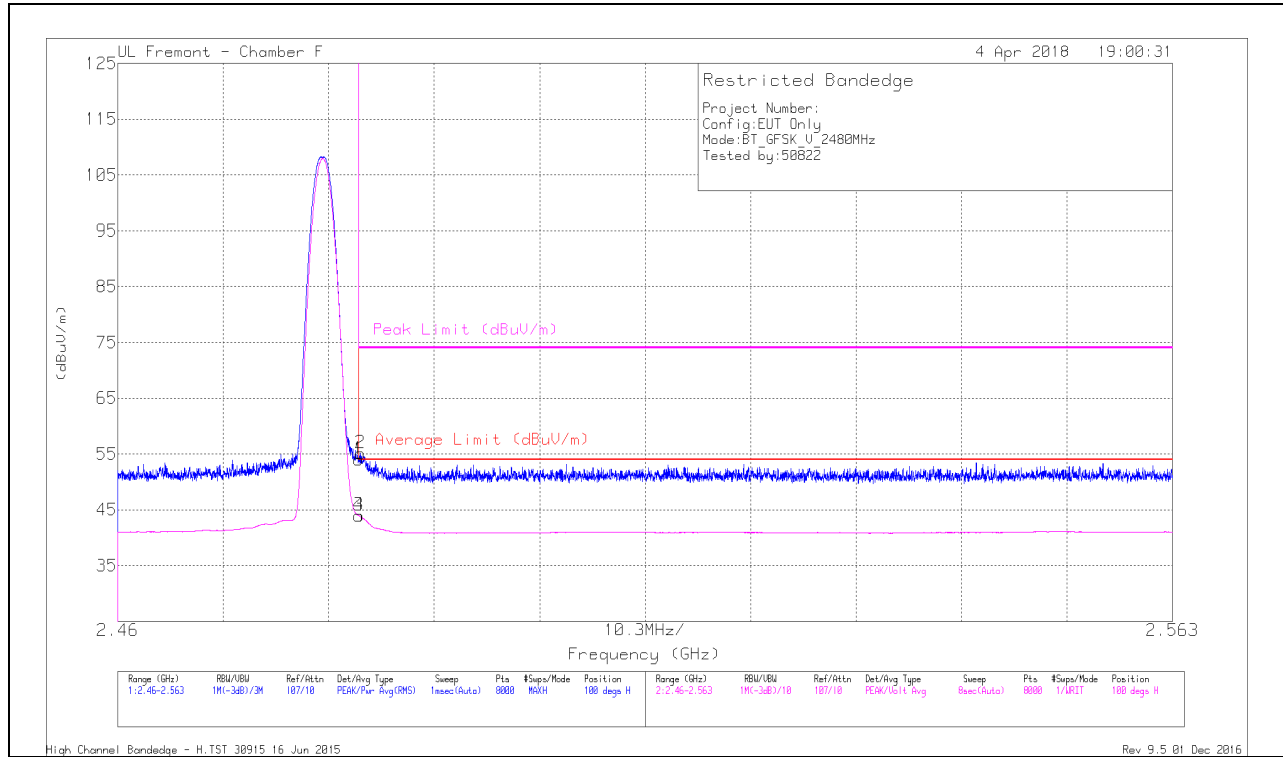
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.92	Pk	32.1	-20.7	53.32	-	-	74	-20.68	98	121	H
2	* 2.484	44.15	Pk	32.2	-20.7	55.65	-	-	74	-18.35	98	121	H
3	* 2.484	32.69	VA1T	32.1	-20.7	44.09	54	-9.91	-	-	98	121	H
4	* 2.484	32.53	VA1T	32.1	-20.7	43.93	54	-10.07	-	-	98	121	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filt/P ad (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	42.61	Pk	32.1	-20.7	54.01	-	-	74	-19.99	100	117	H
2	* 2.484	43.68	Pk	32.1	-20.7	55.08	-	-	74	-18.92	100	117	H
3	* 2.484	32.58	VA1T	32.1	-20.7	43.98	54	-10.02	-	-	100	117	H
4	* 2.484	32.53	VA1T	32.1	-20.7	43.93	54	-10.07	-	-	100	117	H

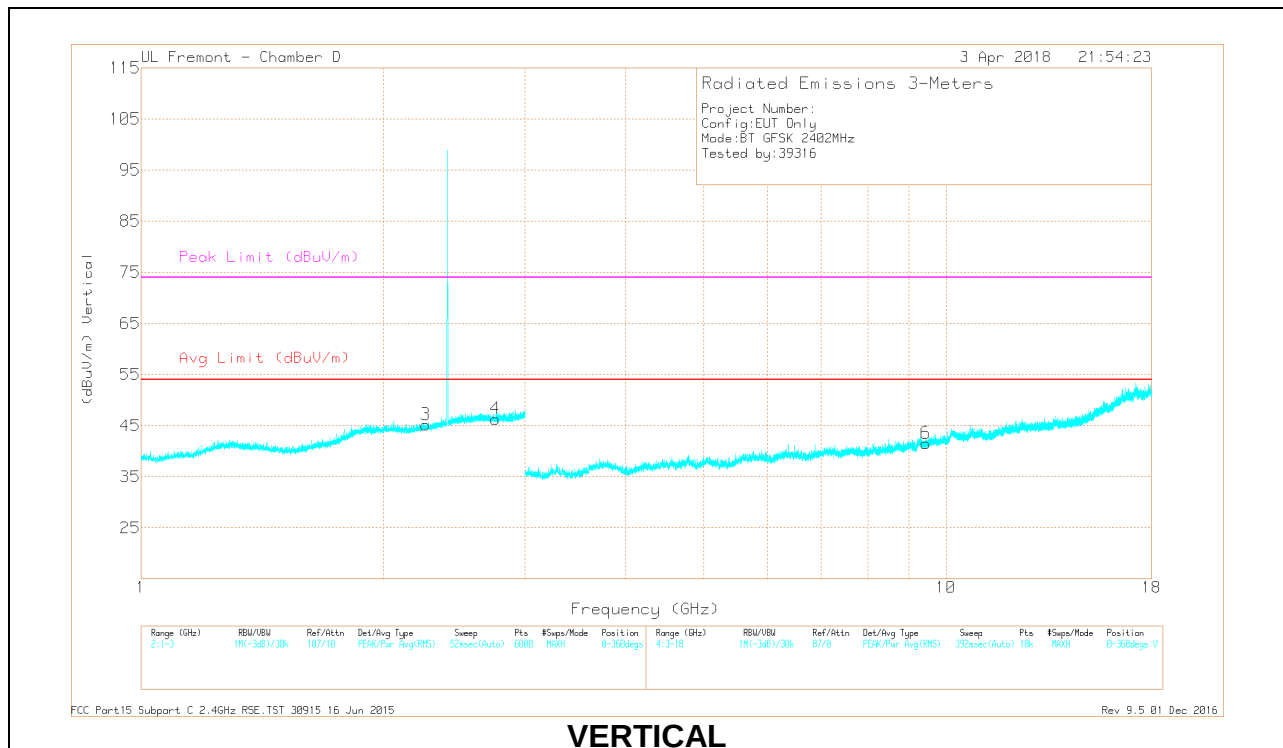
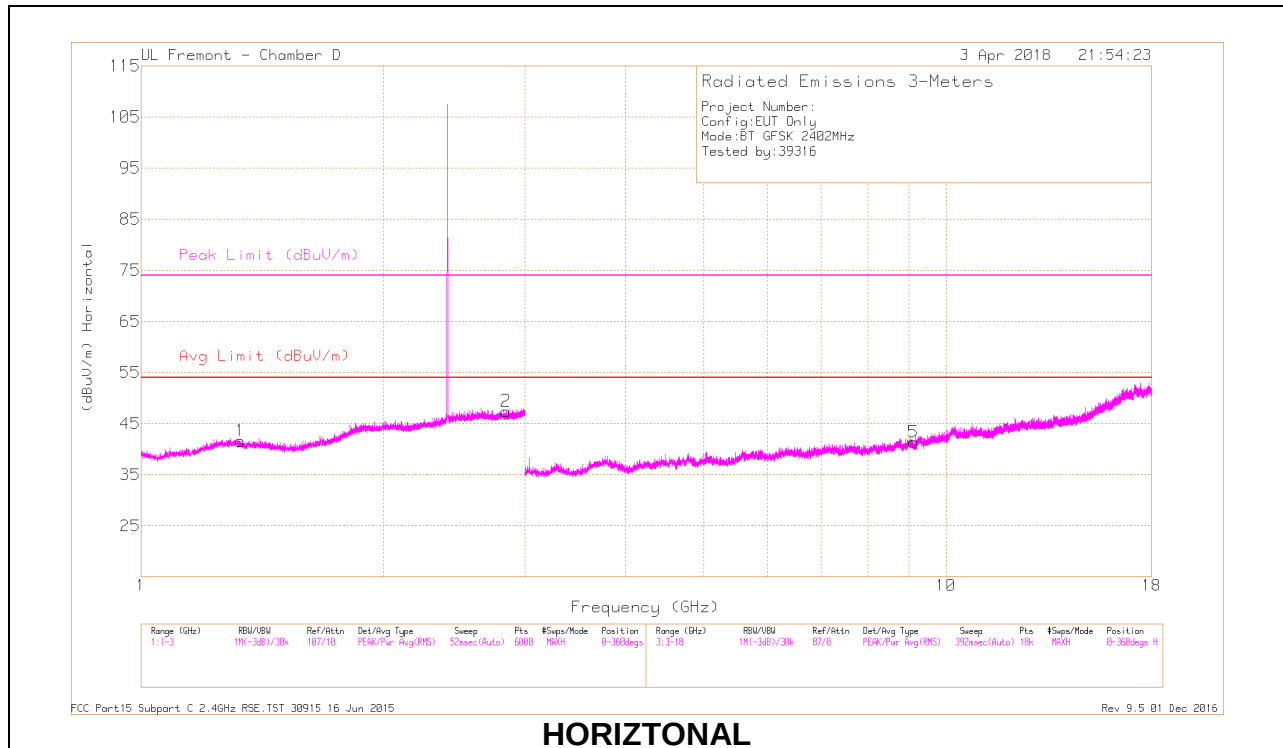
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

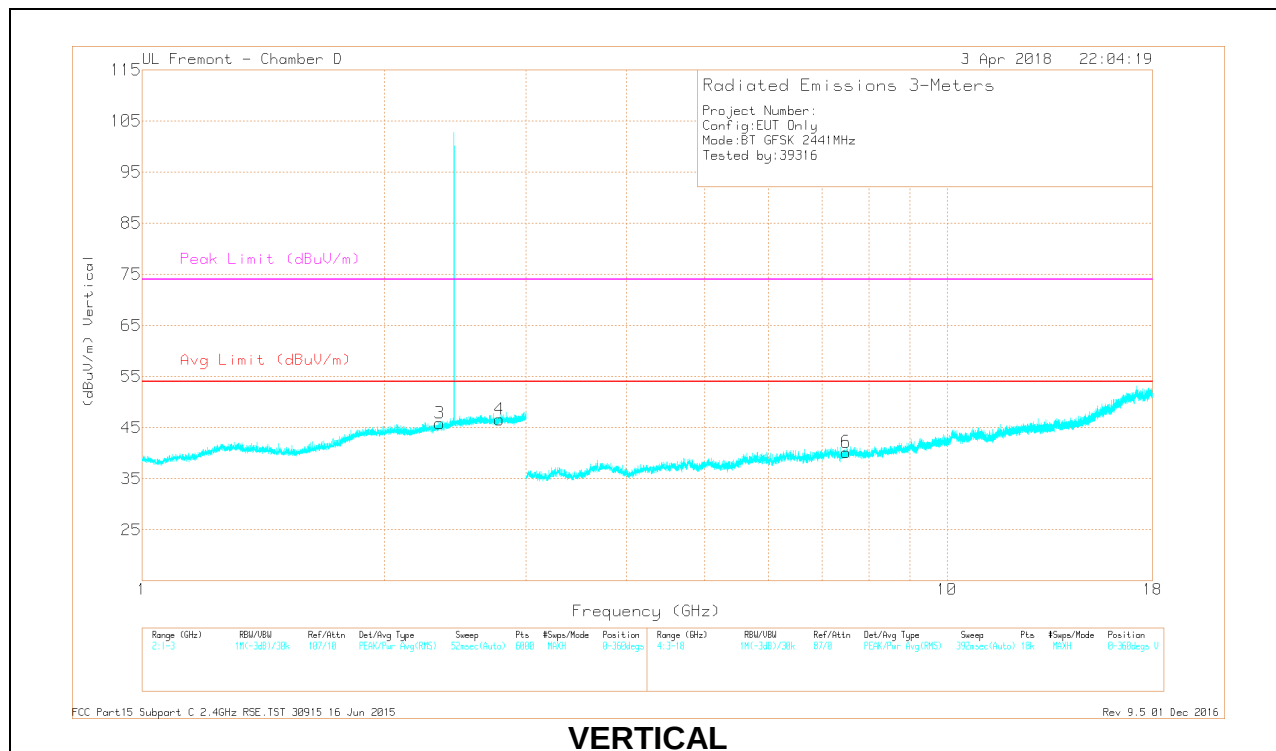
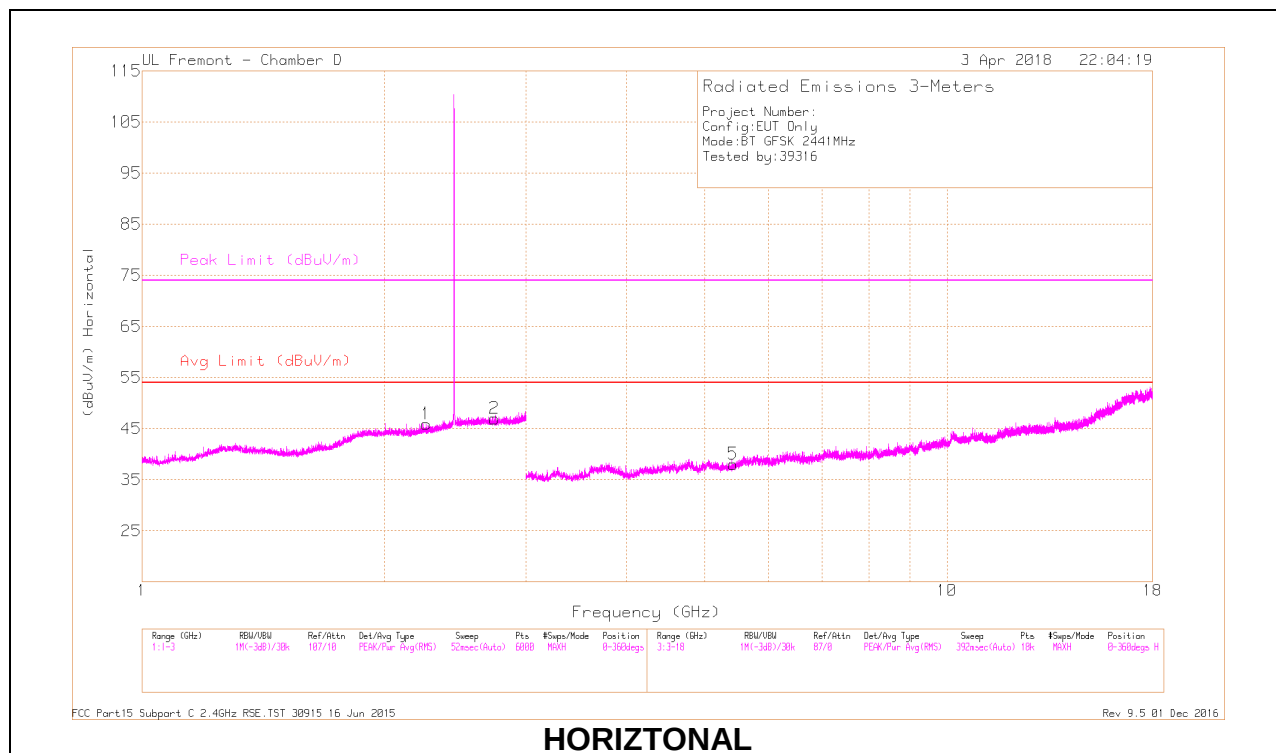
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.33	40.22	PKFH	29	-21.9	47.32	-	-	74	-26.68	119	357	H
	* 1.331	28.54	VA1T	29	-21.9	35.64	54	-18.36	-	-	119	357	H
2	* 2.842	41.89	PKFH	32.6	-20	54.49	-	-	74	-19.51	98	313	H
	* 2.839	28.22	VA1T	32.6	-20	40.82	54	-13.18	-	-	98	313	H
3	* 2.259	39.82	PKFH	31.5	-20.7	50.62	-	-	74	-23.38	163	289	V
	* 2.257	28.45	VA1T	31.5	-20.7	39.25	54	-14.75	-	-	163	289	V
4	* 2.76	40.63	PKFH	32.5	-20.1	53.03	-	-	74	-20.97	219	178	V
	* 2.756	28.2	VA1T	32.5	-20.1	40.6	54	-13.4	-	-	219	178	V
5	* 9.108	33.22	PKFH	36.3	-22.1	47.42	-	-	74	-26.58	85	234	H
	* 9.111	21.19	VA1T	36.3	-22.1	35.39	54	-18.61	-	-	85	234	H
6	* 9.432	31.88	PKFH	36.6	-21.1	47.38	-	-	74	-26.62	114	186	V
	* 9.43	20.5	VA1T	36.6	-21.2	35.9	54	-18.1	-	-	114	186	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

MID CHANNEL RESULTS



RADIATED EMISSIONS

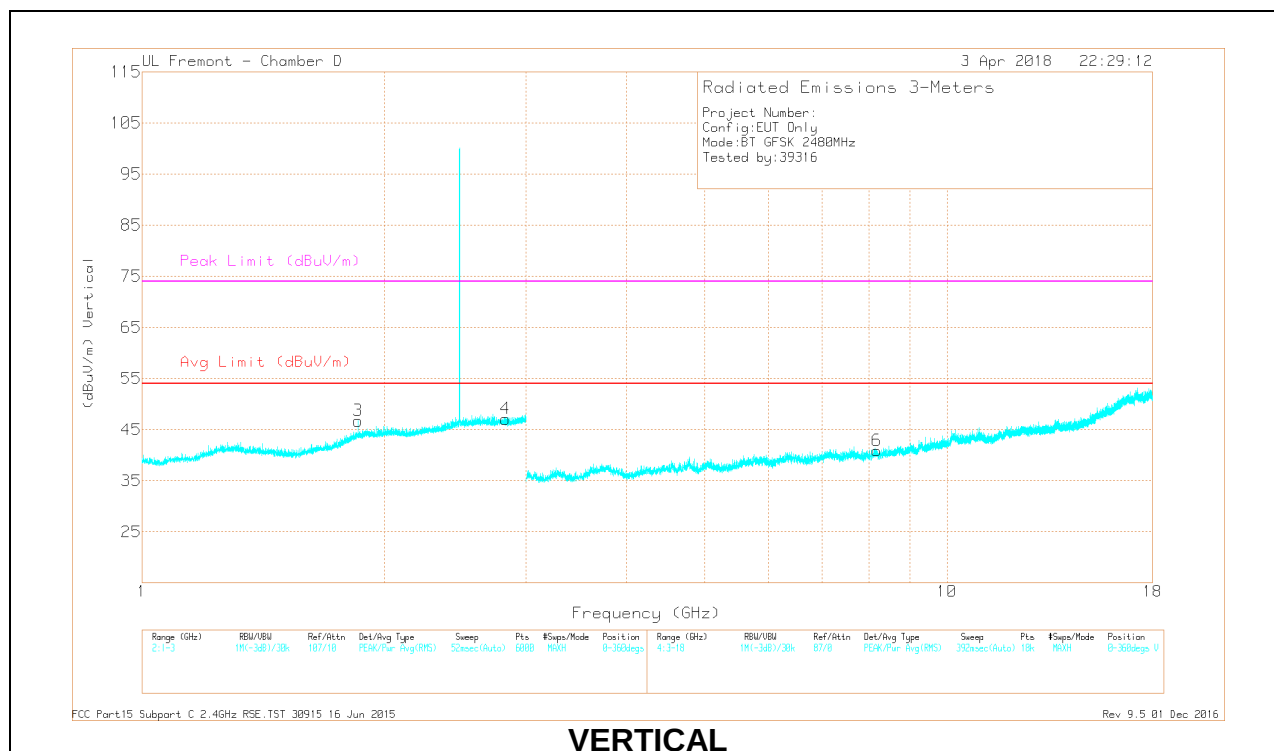
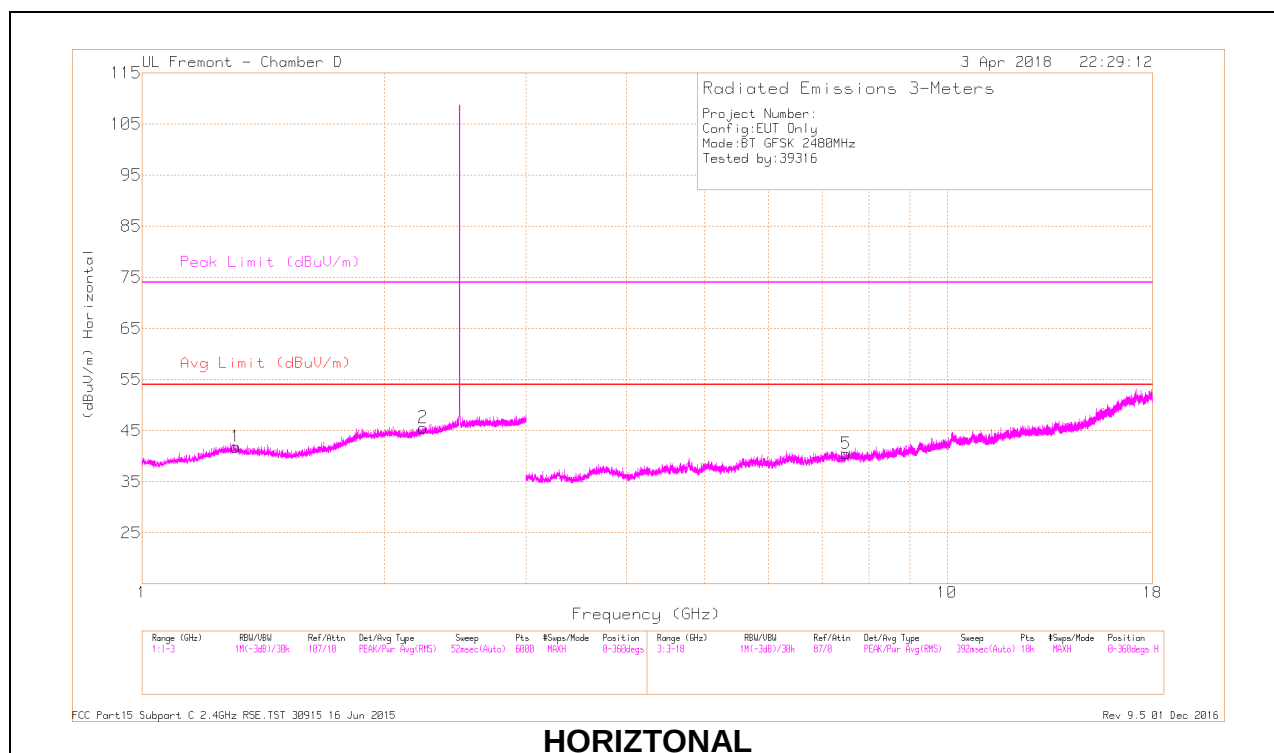
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.255	40.46	PKFH	31.5	-20.8	51.16	-	-	74	-22.84	59	295	H
	* 2.255	28.58	VA1T	31.5	-20.8	39.28	54	-14.72	-	-	59	295	H
2	* 2.741	41	PKFH	32.5	-20.2	53.3	-	-	74	-20.7	127	313	H
	* 2.738	28.42	VA1T	32.5	-20.2	40.72	54	-13.28	-	-	127	313	H
3	* 2.343	40.42	PKFH	31.6	-20.6	51.42	-	-	74	-22.58	287	241	V
	* 2.342	28.54	VA1T	31.6	-20.6	39.54	54	-14.46	-	-	287	241	V
4	* 2.781	40.42	PKFH	32.6	-20.1	52.92	-	-	74	-21.08	16	101	V
	* 2.781	28.37	VA1T	32.6	-20.1	40.87	54	-13.13	-	-	16	101	V
5	* 5.426	36.57	PKFH	34.9	-27.4	44.07	-	-	74	-29.93	84	140	H
	* 5.425	24.64	VA1T	34.9	-27.4	32.14	54	-21.86	-	-	84	140	H
6	* 7.498	36.23	PKFH	36.3	-24.4	48.13	-	-	74	-25.87	136	218	V
	* 7.497	22.75	VA1T	36.3	-24.3	34.75	54	-19.25	-	-	136	218	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 1.31	40.27	PKFH	29.2	-22	47.47	-	-	74	-26.53	356	208	H
	* 1.309	28.81	VA1T	29.2	-22	36.01	54	-17.99	-	-	356	208	H
2	* 2.234	40.32	PKFH	31.4	-20.7	51.02	-	-	74	-22.98	6	282	H
	* 2.235	28.58	VA1T	31.4	-20.7	39.28	54	-14.72	-	-	6	282	H
4	* 2.833	39.38	PKFH	32.6	-19.9	52.08	-	-	74	-21.92	141	305	V
	* 2.829	28.28	VA1T	32.6	-19.9	40.98	54	-13.02	-	-	141	305	V
5	* 7.493	35.17	PKFH	36.3	-24.3	47.17	-	-	74	-26.83	183	214	H
	* 7.496	22.74	VA1T	36.3	-24.3	34.74	54	-19.26	-	-	183	214	H
6	* 8.184	34.59	PKFH	35.8	-22.8	47.59	-	-	74	-26.41	36	147	V
	* 8.18	21.87	VA1T	35.8	-22.7	34.97	54	-19.03	-	-	36	147	V
3	1.857	40.34	PKFH	31.3	-21.2	50.44	-	-	-	-	224	160	V

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

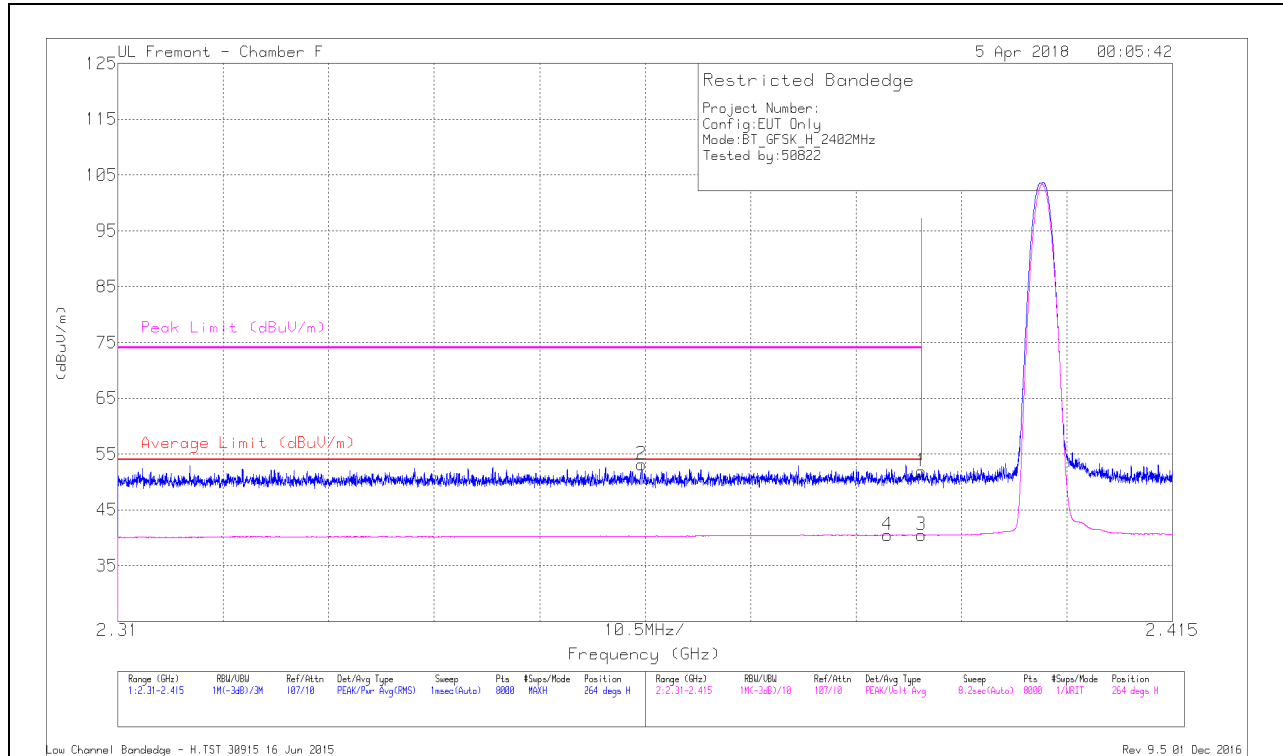
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



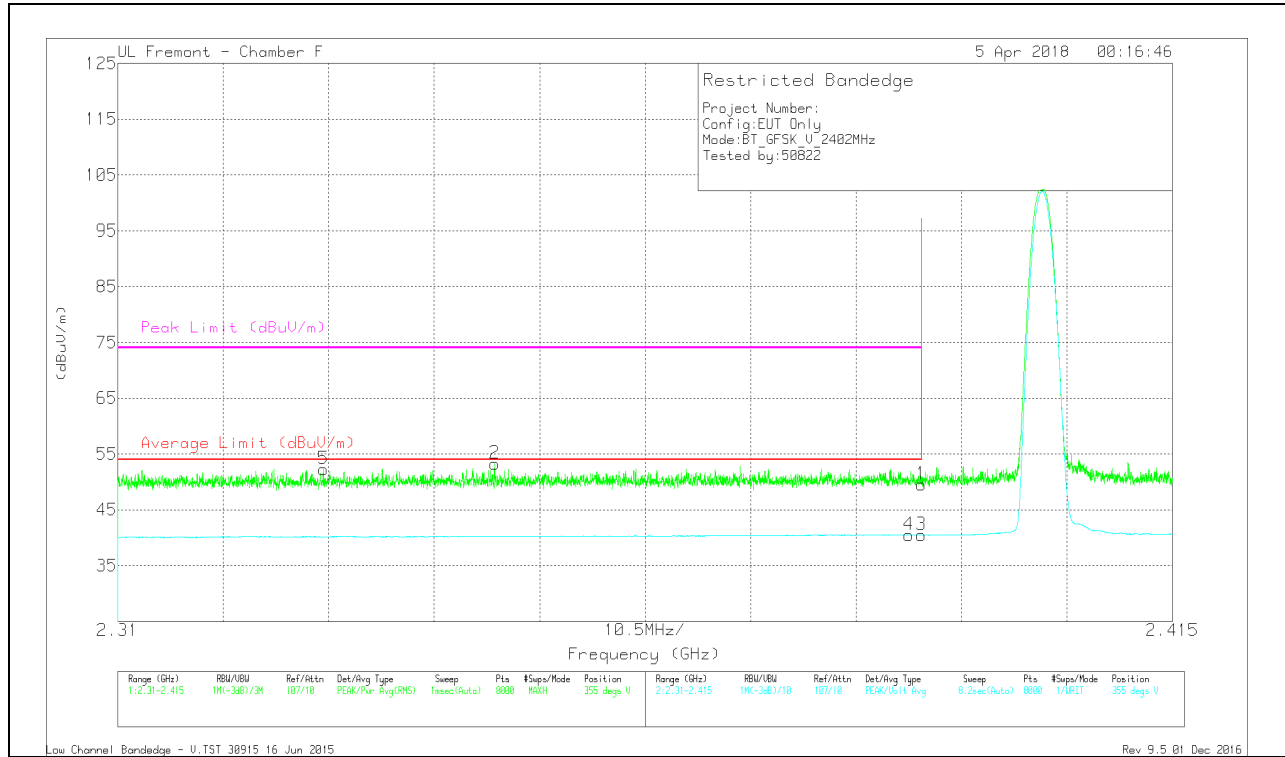
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.6	Pk	31.9	-20.6	51.9	-	-	74	-22.1	264	337	H
2	* 2.362	42.04	Pk	31.8	-20.7	53.14	-	-	74	-20.86	264	337	H
3	* 2.39	29.16	VA1T	31.9	-20.6	40.46	54	-13.54	-	-	264	337	H
4	* 2.387	29.2	VA1T	31.9	-20.6	40.5	54	-13.5	-	-	264	337	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/P ad (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	38.22	Pk	31.9	-20.6	49.52	-	-	74	-24.48	355	400	V
2	* 2.348	42.3	Pk	31.7	-20.7	53.3	-	-	74	-20.7	355	400	V
5	* 2.33	41.23	Pk	31.7	-20.7	52.23	-	-	74	-21.77	355	400	V
3	* 2.39	29.19	VA1T	31.9	-20.6	40.49	54	-13.51	-	-	355	400	V
4	* 2.389	29.21	VA1T	31.9	-20.6	40.51	54	-13.49	-	-	355	400	V

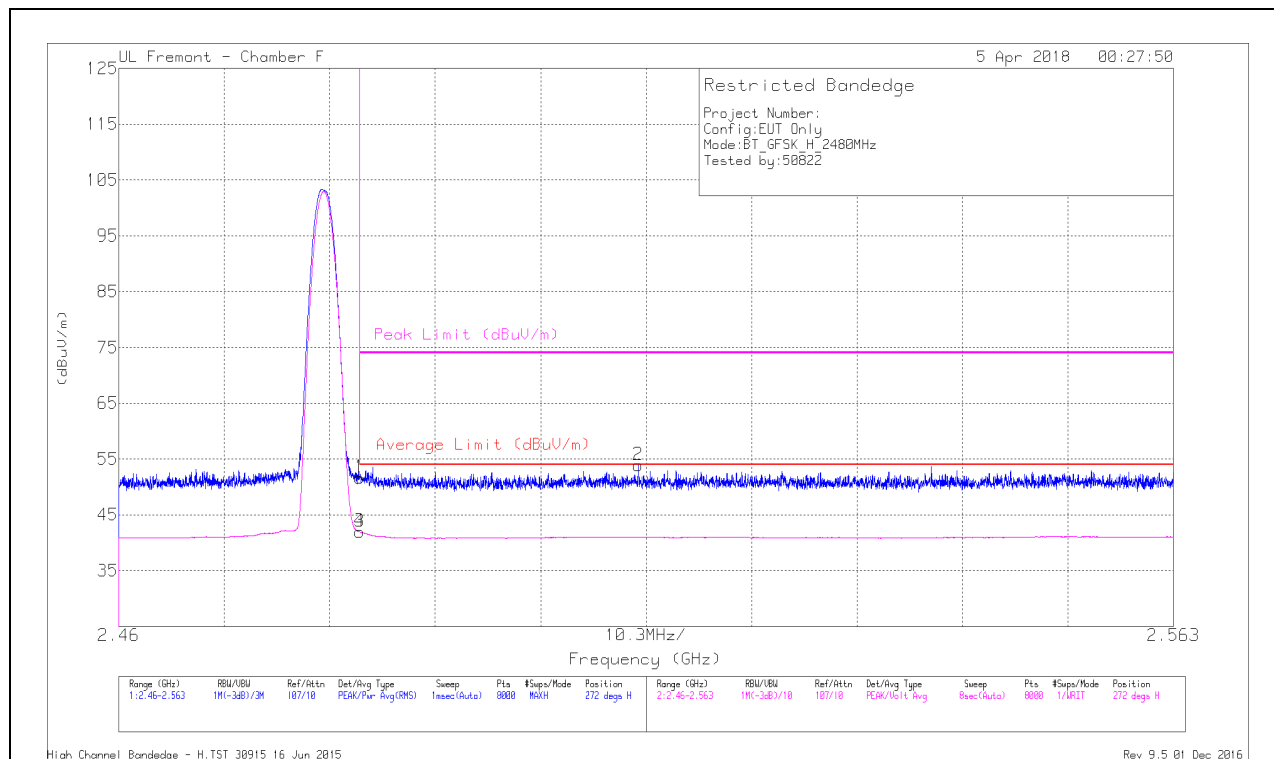
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



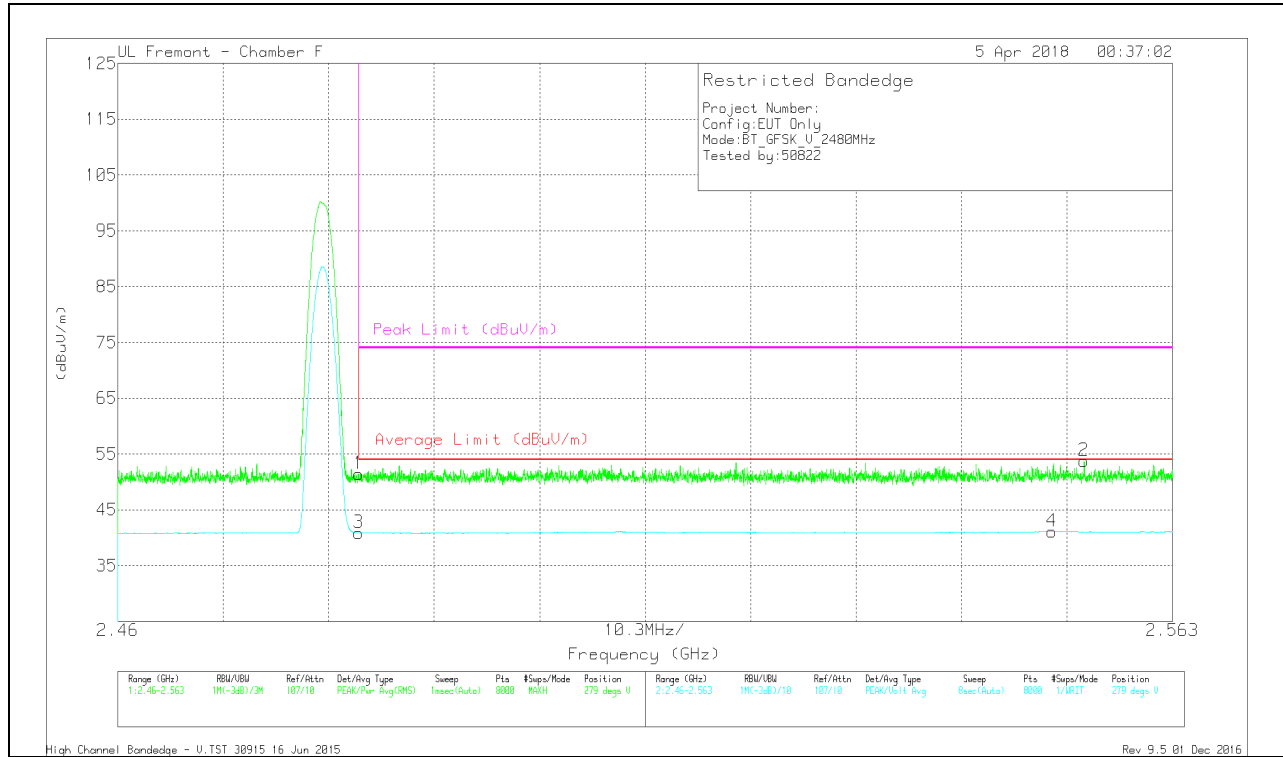
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.29	Pk	32.1	-20.7	51.69	-	-	74	-22.31	272	192	H
2	2.511	42.31	Pk	32.2	-20.6	53.91	-	-	74	-20.09	272	192	H
3	* 2.484	30.53	VA1T	32.1	-20.7	41.93	54	-12.07	-	-	272	192	H
4	* 2.484	30.52	VA1T	32.1	-20.7	41.92	54	-12.08	-	-	272	192	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/Cb/Filt/P ad (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	40.01	Pk	32.1	-20.7	51.41	-	-	74	-22.59	279	171	V
2	2.554	42.15	Pk	32.2	-20.6	53.75	-	-	74	-20.25	279	171	V
3	* 2.484	29.47	VA1T	32.1	-20.7	40.87	54	-13.13	-	-	279	171	V
4	2.551	29.44	VA1T	32.2	-20.5	41.14	54	-12.86	-	-	279	171	V

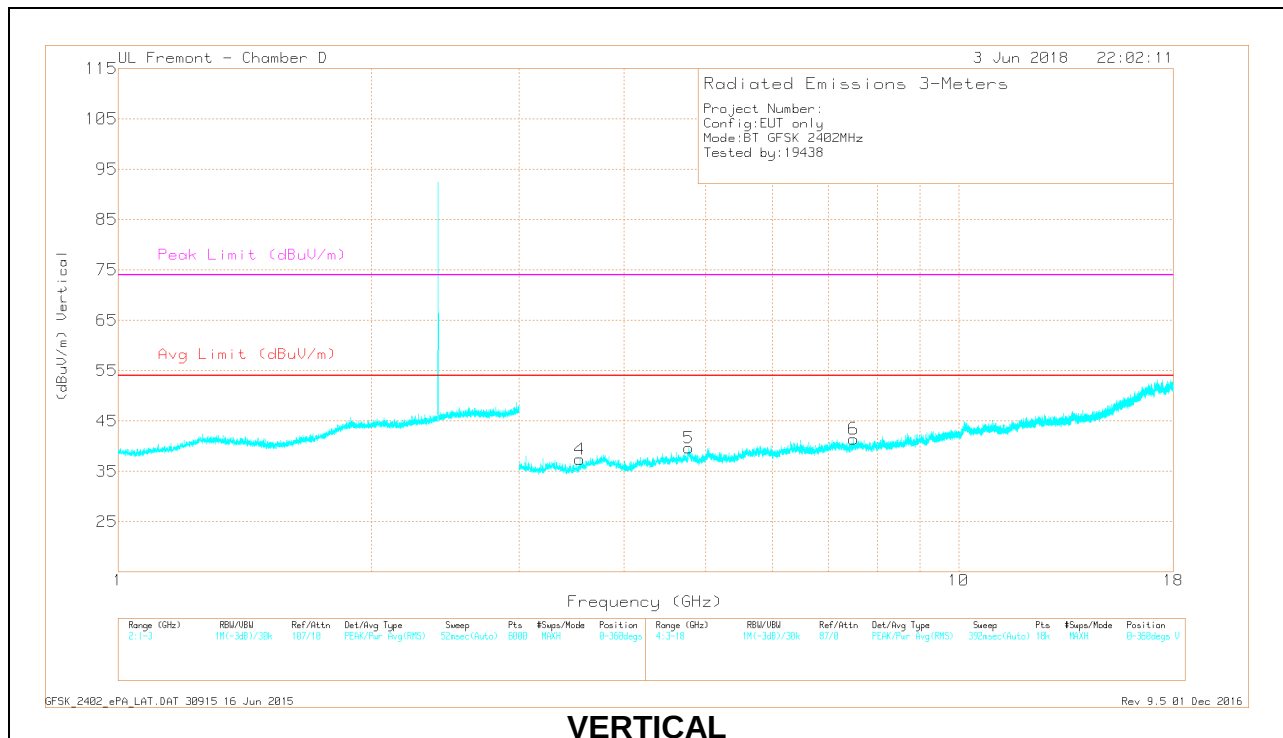
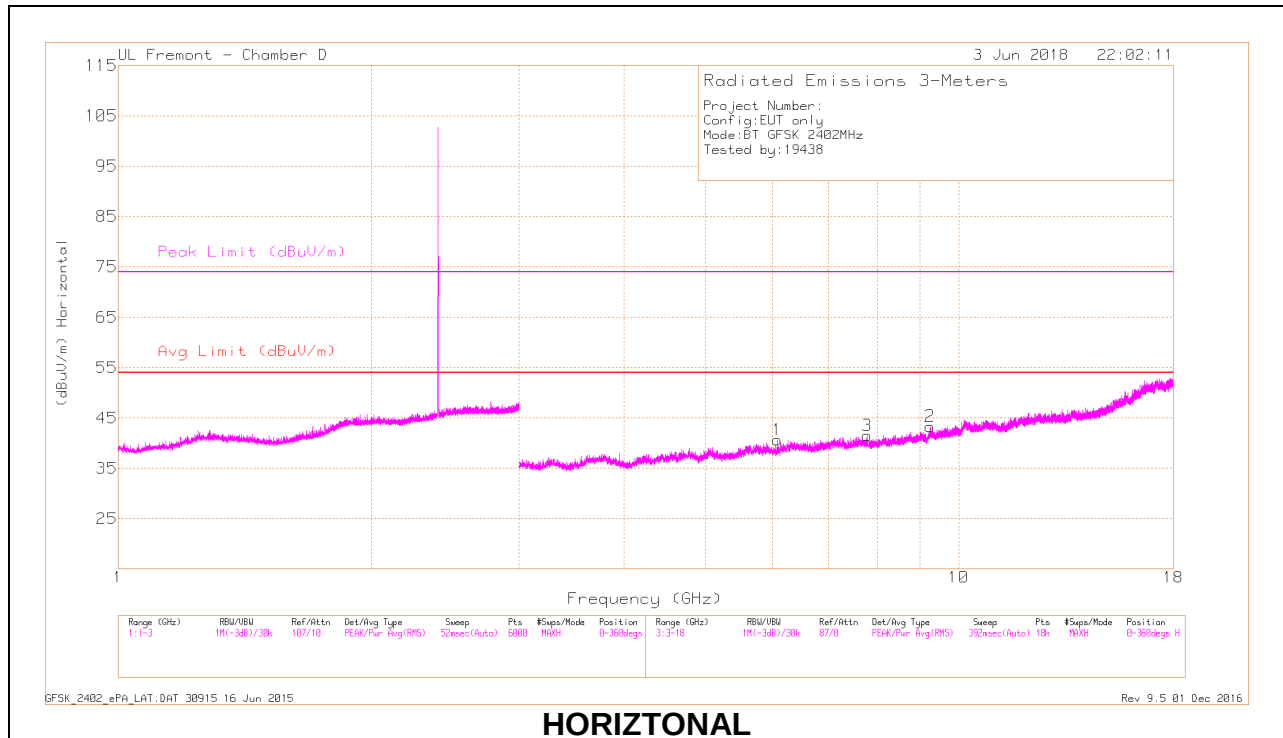
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

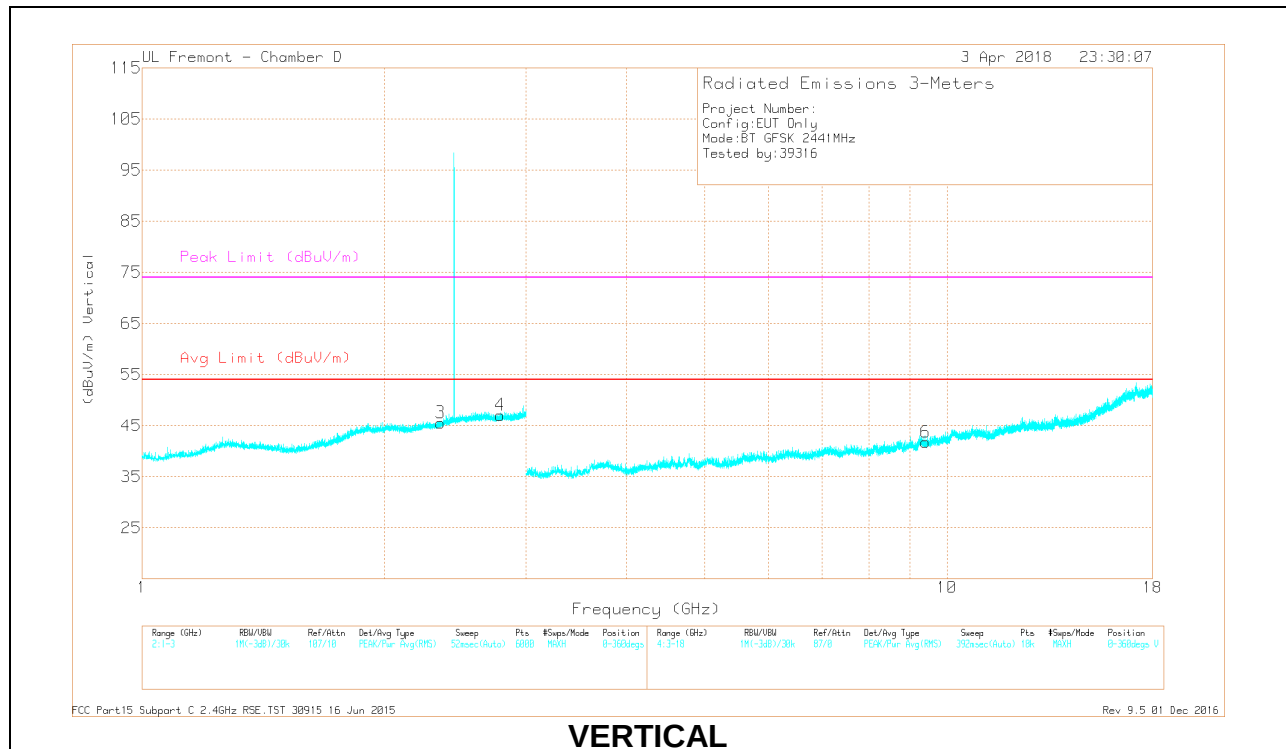
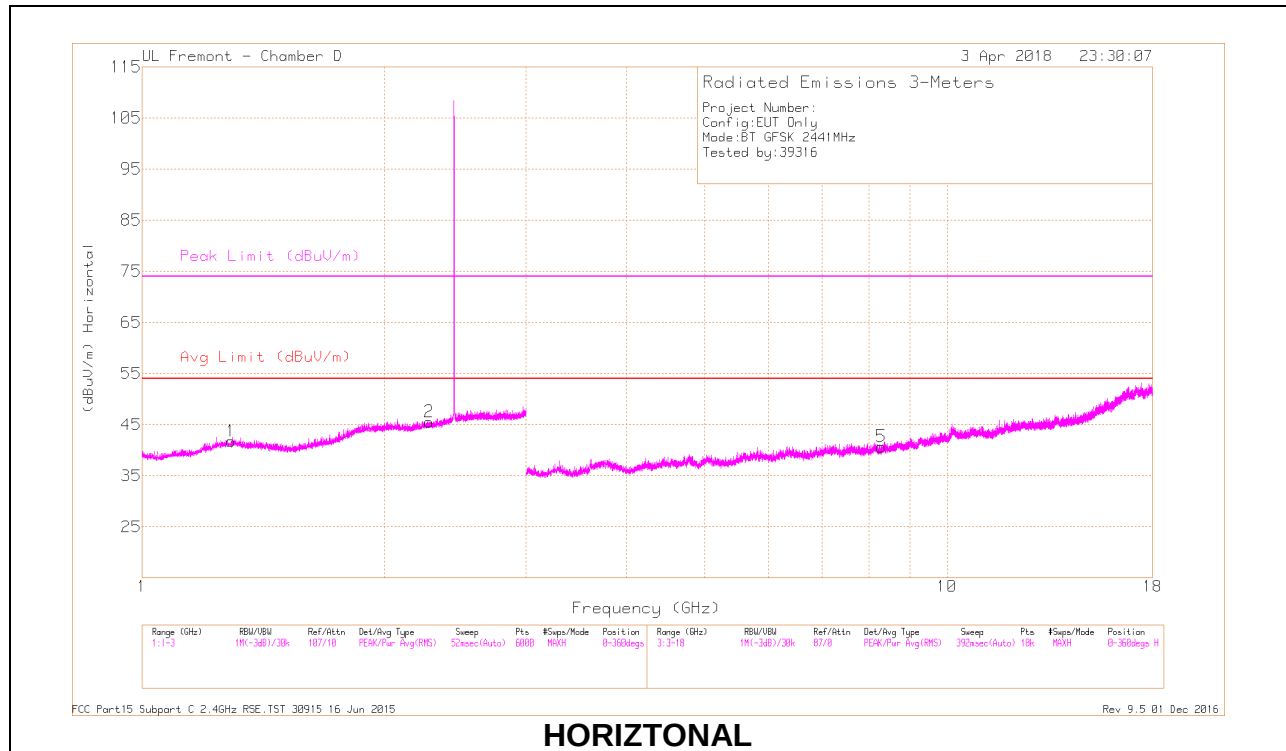
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.535	37.29	PKFH	33.3	-28.1	42.49	-	-	74	-31.51	223	234	V
	* 3.561	25.37	VA1T	33.4	-27.9	30.87	54	-23.13	-	-	223	234	V
5	* 4.771	36.27	PKFH	34.5	-26.3	44.47	-	-	74	-29.53	278	151	V
	* 4.777	24.48	VA1T	34.5	-26.2	32.78	54	-21.22	-	-	278	151	V
6	* 7.496	35.57	PKFH	36.3	-24.3	47.57	-	-	74	-26.43	184	190	V
	* 7.509	22.79	VA1T	36.3	-24.3	34.79	54	-19.21	-	-	184	190	V
1	6.082	36.4	PKFH	35.8	-26.7	45.5	-	-	-	-	242	320	H
3	7.791	35.51	PKFH	35.8	-23.6	47.71	-	-	-	-	179	299	H
2	9.229	33.35	PKFH	36.3	-20.6	49.05	-	-	-	-	177	229	H

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

MID CHANNEL RESULTS



RADIATED EMISSIONS

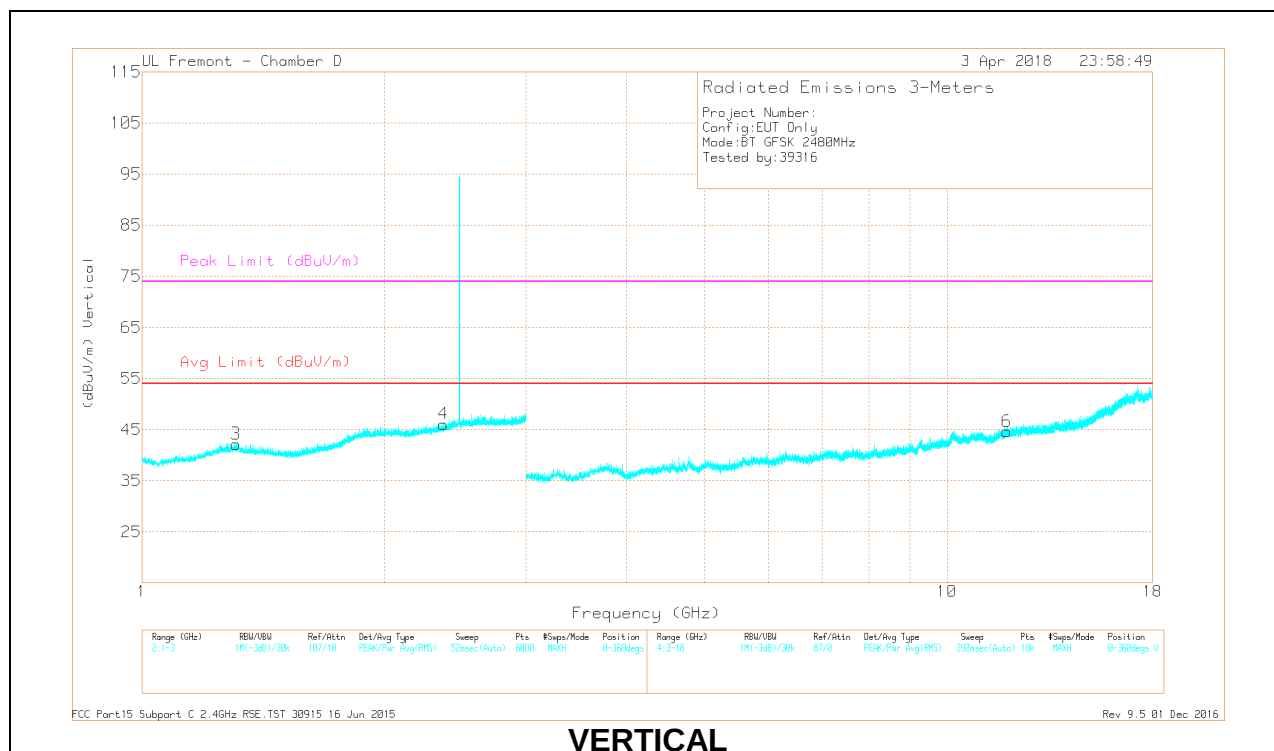
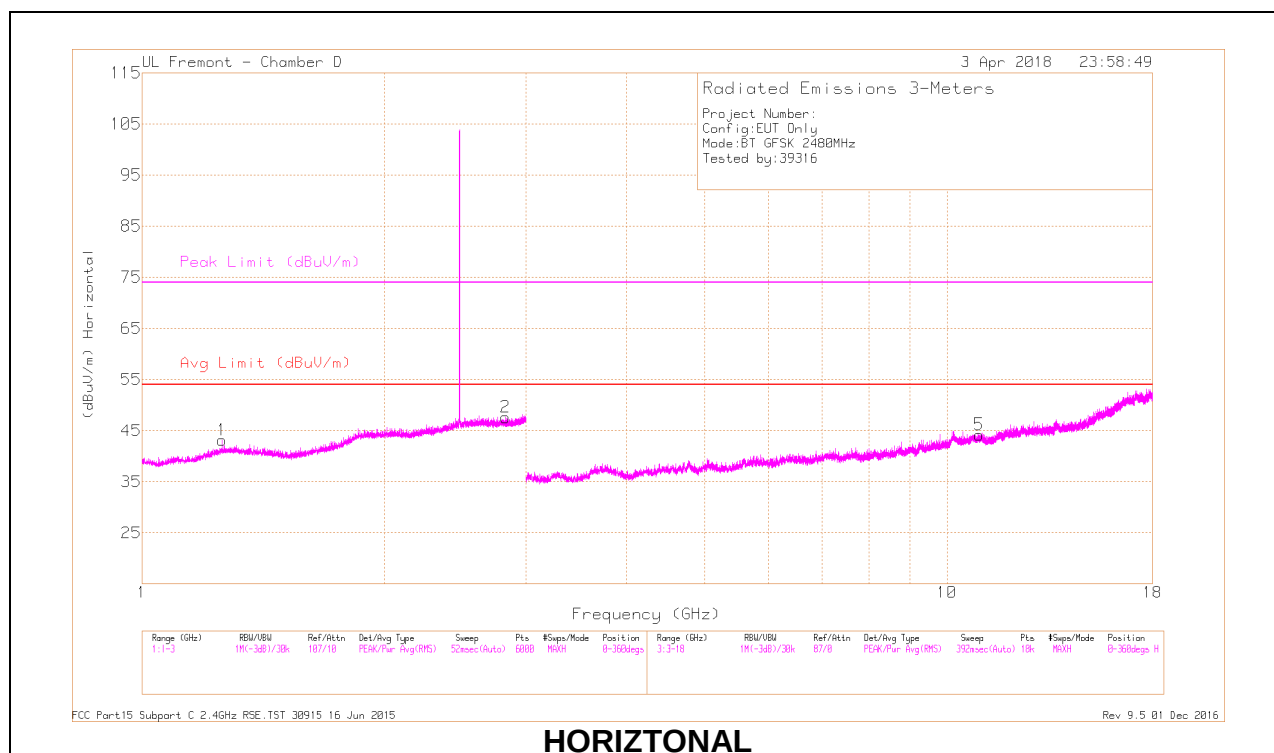
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.292	40.71	PKFH	29.3	-22	48.01	-	-	74	-25.99	116	120	H
	* 1.289	28.81	VA1T	29.3	-22	36.11	54	-17.89	-	-	116	120	H
2	* 2.272	39.9	PKFH	31.5	-20.7	50.7	-	-	74	-23.3	106	398	H
	* 2.271	28.49	VA1T	31.5	-20.7	39.29	54	-14.71	-	-	106	398	H
3	* 2.352	40.22	PKFH	31.6	-20.6	51.22	-	-	74	-22.78	237	247	V
	* 2.351	28.47	VA1T	31.6	-20.6	39.47	54	-14.53	-	-	237	247	V
4	* 2.784	39.91	PKFH	32.6	-20.1	52.41	-	-	74	-21.59	121	144	V
	* 2.785	28.28	VA1T	32.6	-20.1	40.78	54	-13.22	-	-	121	144	V
5	* 8.288	35.39	PKFH	35.9	-23.6	47.69	-	-	74	-26.31	148	212	H
	* 8.288	22.59	VA1T	35.9	-23.6	34.89	54	-19.11	-	-	148	212	H
6	* 9.407	32.76	PKFH	36.6	-21.3	48.06	-	-	74	-25.94	305	338	V
	* 9.407	20.86	VA1T	36.6	-21.3	36.16	54	-17.84	-	-	305	338	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 1.256	40.54	PKFH	29.1	-22.1	47.54	-	-	74	-26.46	82	179	H
	* 1.256	28.82	VA1T	29.1	-22.1	35.82	54	-18.18	-	-	82	179	H
2	* 2.83	39.85	PKFH	32.6	-19.9	52.55	-	-	74	-21.45	112	192	H
	* 2.83	28.17	VA1T	32.6	-19.9	40.87	54	-13.13	-	-	112	192	H
3	* 1.309	40.68	PKFH	29.2	-22	47.88	-	-	74	-26.12	133	255	V
	* 1.31	28.85	VA1T	29.2	-22	36.05	54	-17.95	-	-	133	255	V
4	* 2.366	39.79	PKFH	31.7	-20.5	50.99	-	-	74	-23.01	331	227	V
	* 2.369	28.33	VA1T	31.7	-20.6	39.43	54	-14.57	-	-	331	227	V
5	* 10.959	32.41	PKFH	37.7	-20.1	50.01	-	-	74	-23.99	301	277	H
	* 10.957	20.63	VA1T	37.7	-20.1	38.23	54	-15.77	-	-	301	277	H
6	* 11.866	33.28	PKFH	38.7	-19.6	52.38	-	-	74	-21.62	120	342	V
	* 11.869	20.47	VA1T	38.7	-19.7	39.47	54	-14.53	-	-	120	342	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

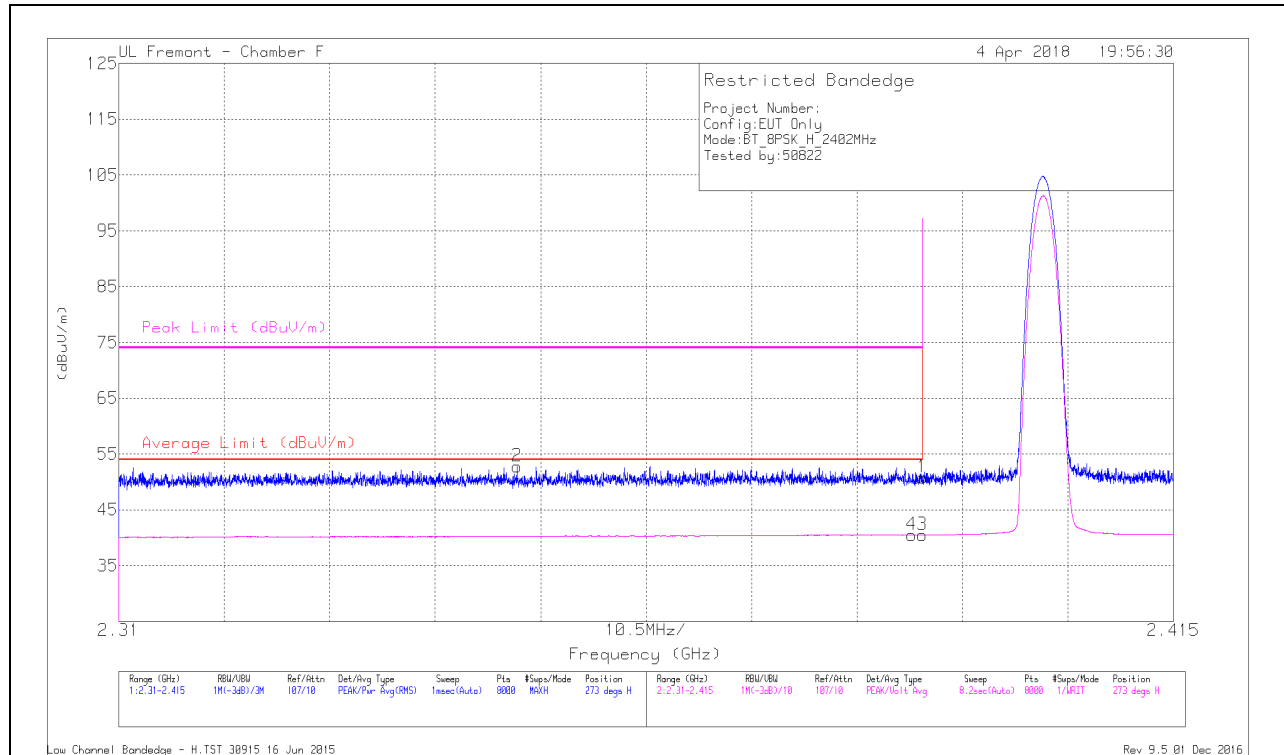
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.2. HIGH POWER ENCHANCED DATA RATE 8PSK MODULATION

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



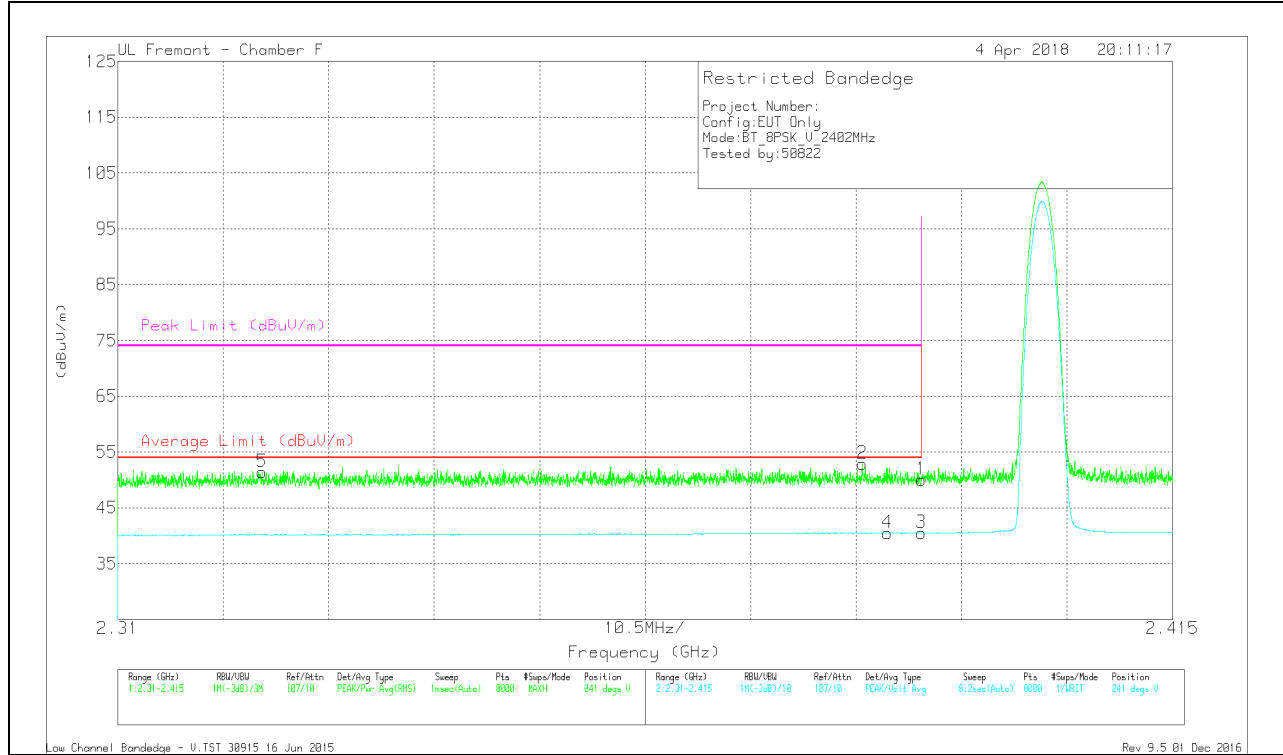
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Ampl/Cbl Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.53	Pk	31.9	-20.6	50.83	-	-	74	-23.17	273	132	H
2	* 2.35	41.77	Pk	31.7	-20.7	52.77	-	-	74	-21.23	273	132	H
3	* 2.39	29.19	VA1T	31.9	-20.6	40.49	54	-13.51	-	-	273	132	H
4	* 2.389	29.22	VA1T	31.9	-20.6	40.52	54	-13.48	-	-	273	132	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.8	Pk	31.9	-20.6	50.1	-	-	74	-23.9	241	396	V
2	* 2.384	41.65	Pk	31.8	-20.6	52.85	-	-	74	-21.15	241	396	V
5	* 2.324	40.34	Pk	31.7	-20.6	51.44	-	-	74	-22.56	241	396	V
3	* 2.39	29.14	VA1T	31.9	-20.6	40.44	54	-	-13.56	-	241	396	V
4	* 2.387	29.2	VA1T	31.9	-20.6	40.5	54	-	-13.5	-	241	396	V

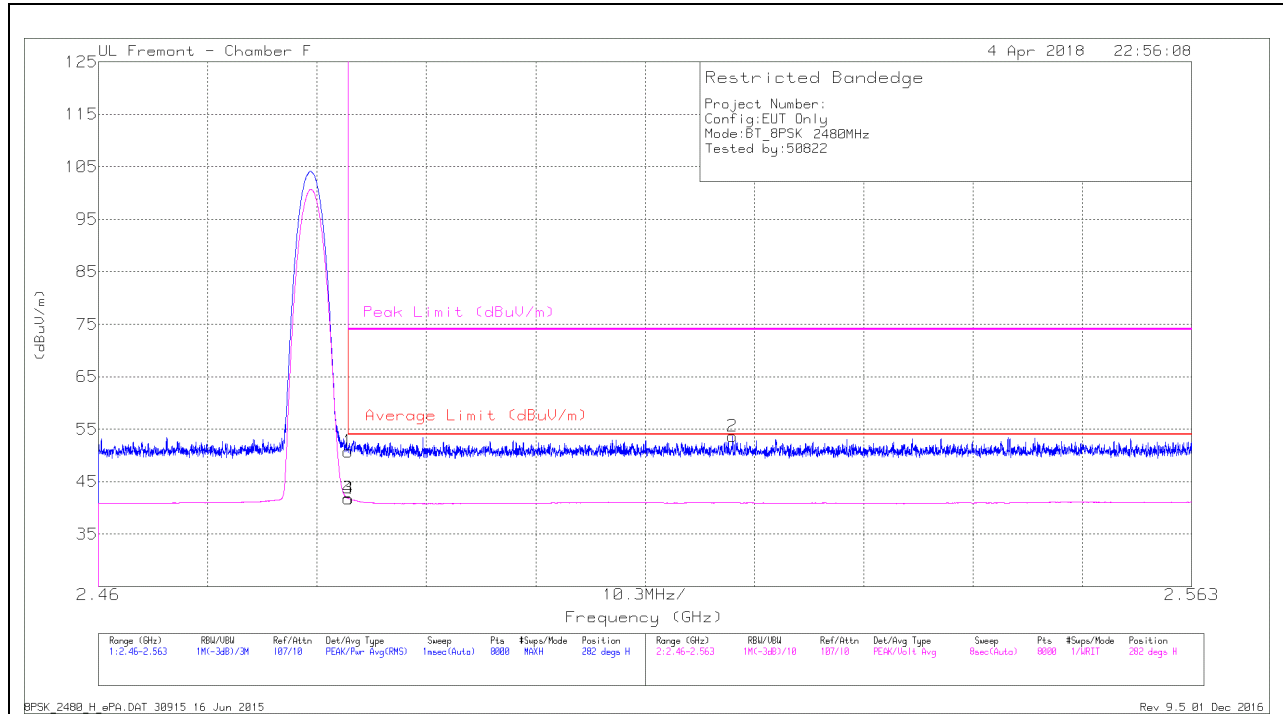
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



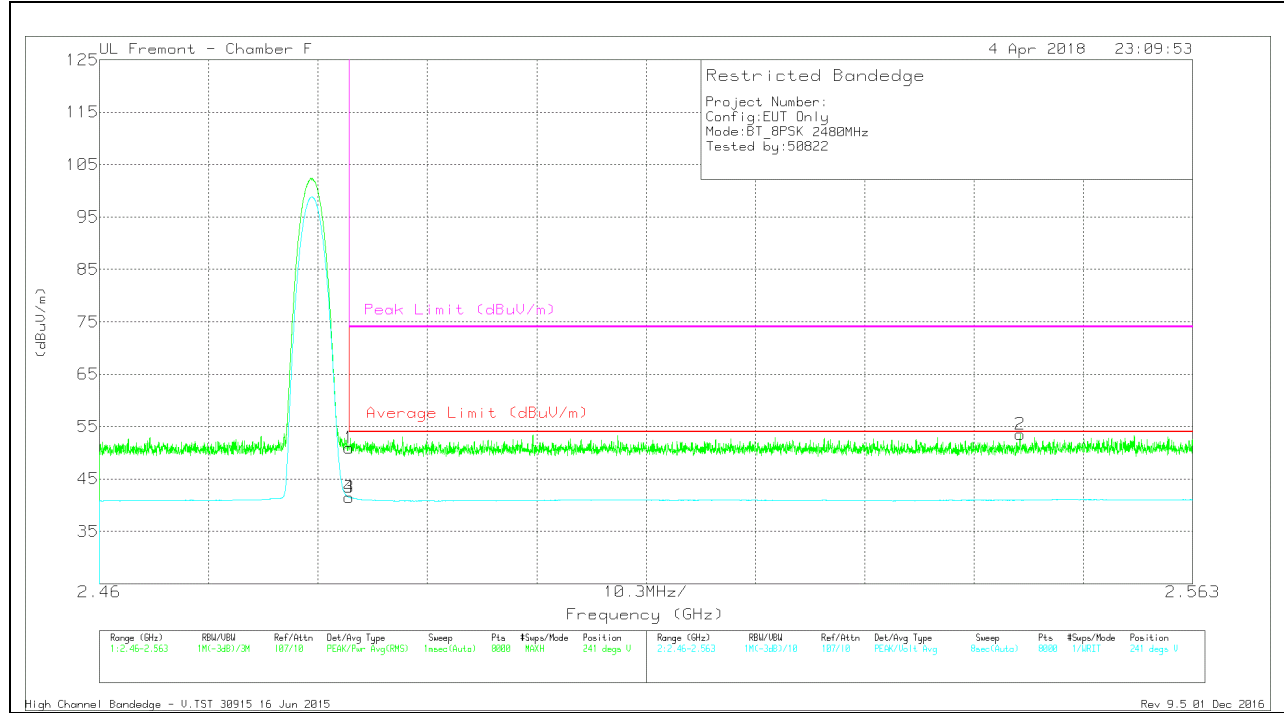
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF-T119 (dB/m)	Ampl/Cbl Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.33	Pk	32.1	-20.7	50.73	-	-	74	-23.27	282	105	H
2	2.52	42.05	Pk	32.2	-20.6	53.65	-	-	74	-20.35	282	105	H
3	* 2.484	30.39	VA1T	32.1	-20.7	41.79	54	-12.21	-	-	282	105	H
4	* 2.484	30.34	VA1T	32.1	-20.7	41.74	54	-12.26	-	-	282	105	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.5	Pk	32.1	-20.7	50.9	-	-	74	-23.1	241	363	V
2	2.547	41.97	Pk	32.2	-20.7	53.47	-	-	74	-20.53	241	363	V
3	* 2.484	30.09	VA1T	32.1	-20.7	41.49	54	-12.51	-	-	241	363	V
4	* 2.484	30.08	VA1T	32.1	-20.7	41.48	54	-12.52	-	-	241	363	V

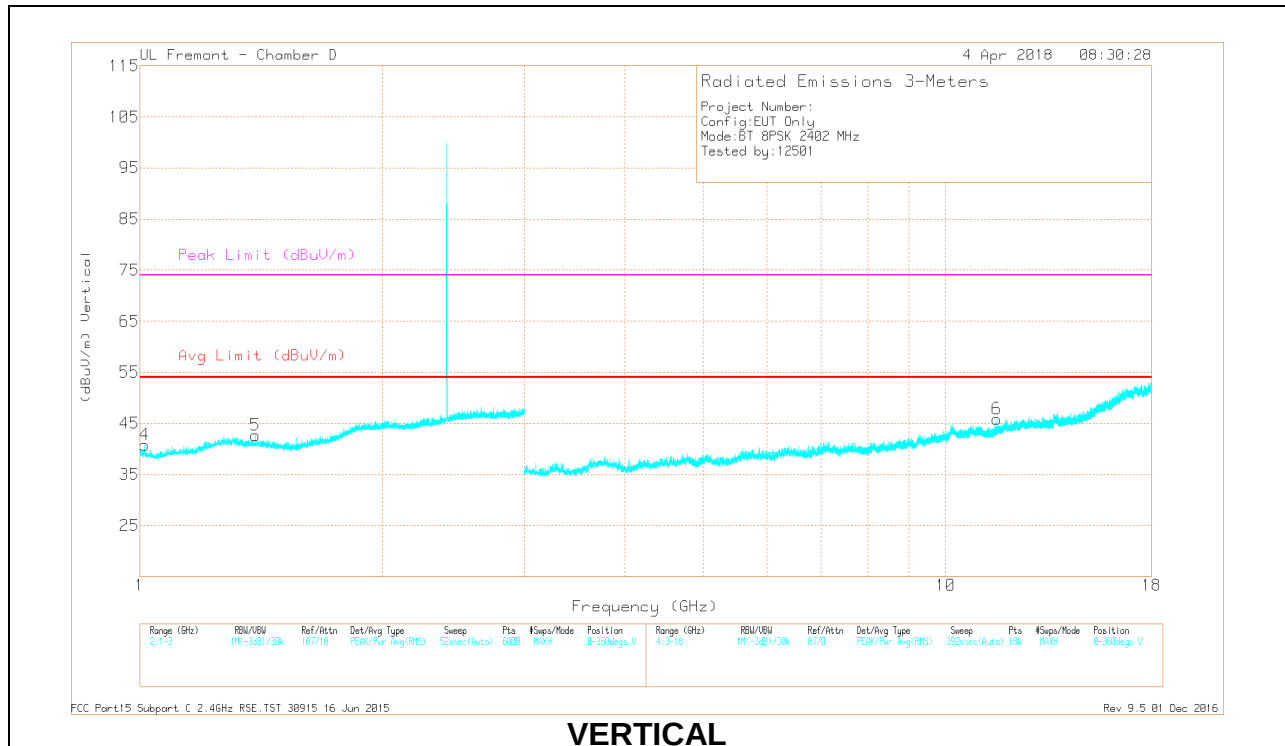
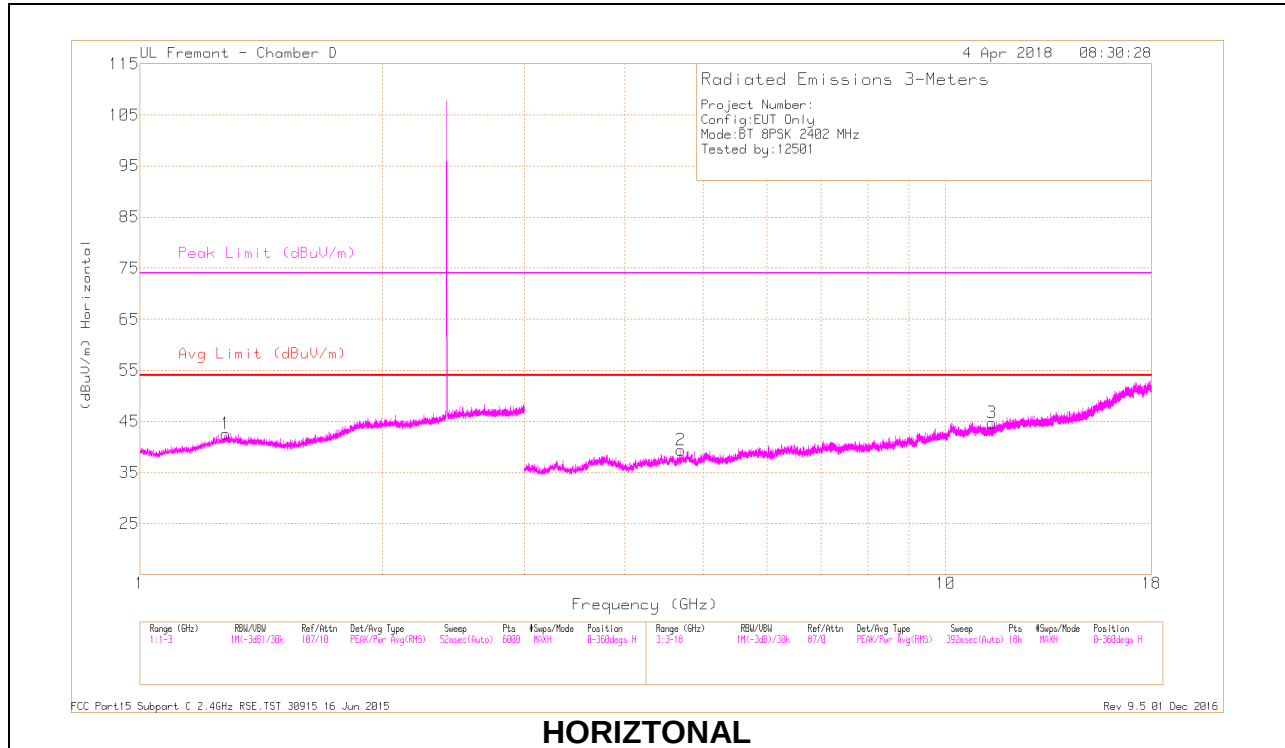
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

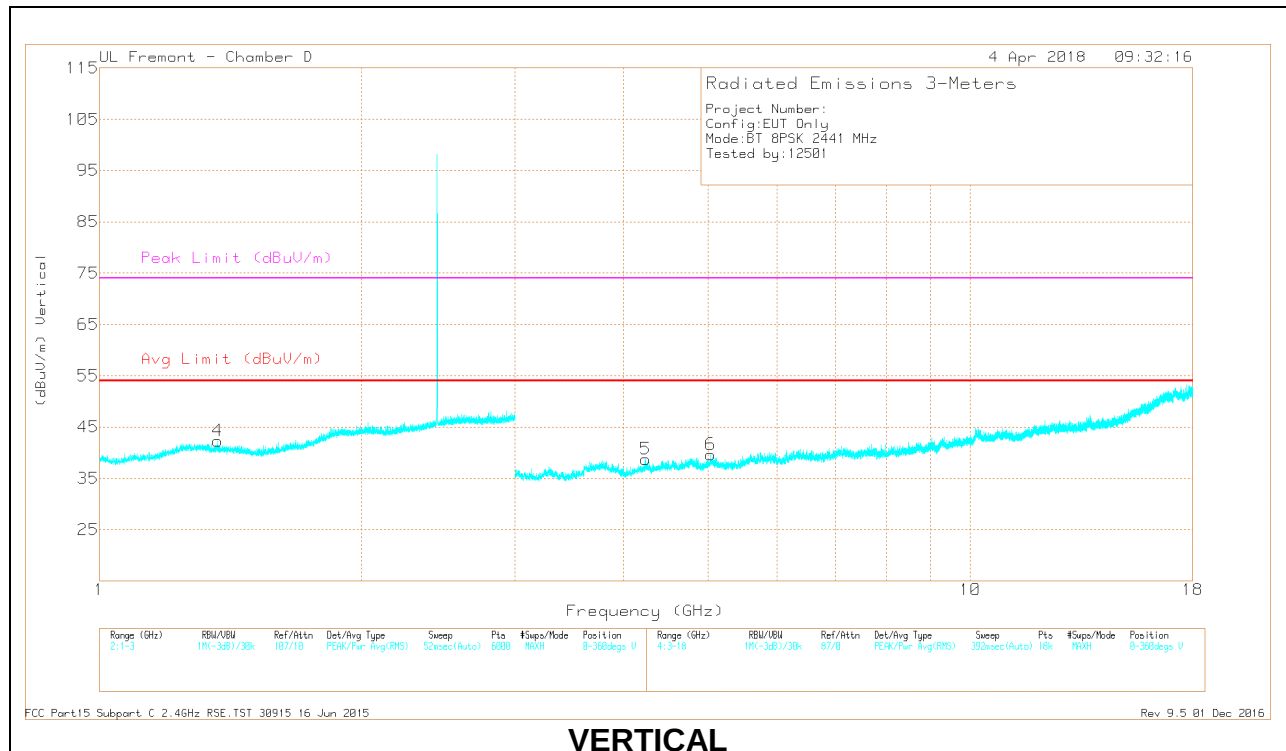
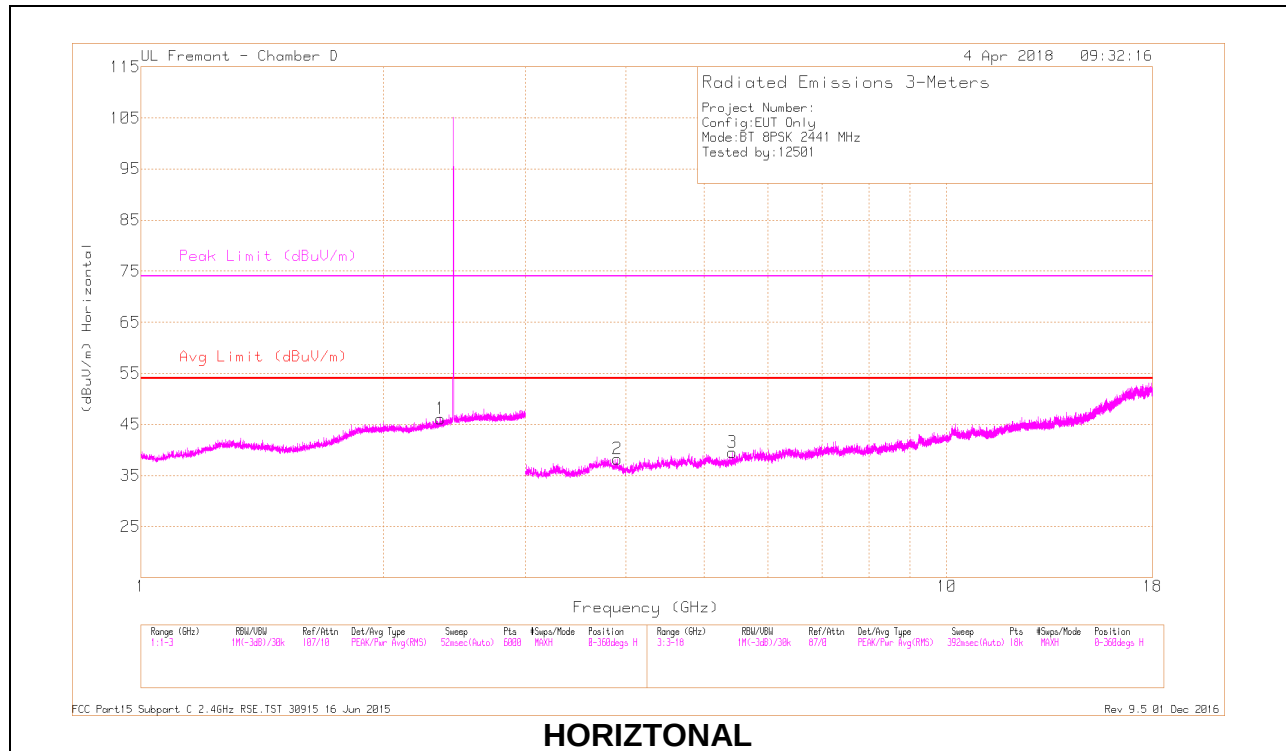
Markers	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.279	40.82	PKFH	29.2	-22.1	47.92	-	-	74	-26.08	198	295	H
	* 1.279	28.7	VA1T	29.2	-22	35.9	54	-18.1	-	-	198	295	H
4	* 1.012	41.13	PKFH	27.1	-22.5	45.73	-	-	74	-28.27	48	192	V
	* 1.015	28.99	VA1T	27.1	-22.5	33.59	54	-20.41	-	-	48	192	V
5	* 1.39	40.98	PKFH	28.8	-21.9	47.88	-	-	74	-26.12	275	105	V
	* 1.39	28.79	VA1T	28.8	-21.9	35.69	54	-18.31	-	-	275	105	V
2	* 4.694	37.02	PKFH	34.6	-27.1	44.52	-	-	74	-29.48	137	299	H
	* 4.695	24.91	VA1T	34.6	-27.2	32.31	54	-21.69	-	-	137	299	H
3	* 11.411	33.43	PKFH	37.9	-20.5	50.83	-	-	74	-23.17	176	201	H
	* 11.414	20.54	VA1T	37.9	-20.5	37.94	54	-16.06	-	-	176	201	H
6	* 11.559	32.17	PKFH	38.2	-19.9	50.47	-	-	74	-23.53	272	329	V
	* 11.561	20.35	VA1T	38.2	-19.9	38.65	54	-15.35	-	-	272	329	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

MID CHANNEL RESULTS



RADIATED EMISSIONS

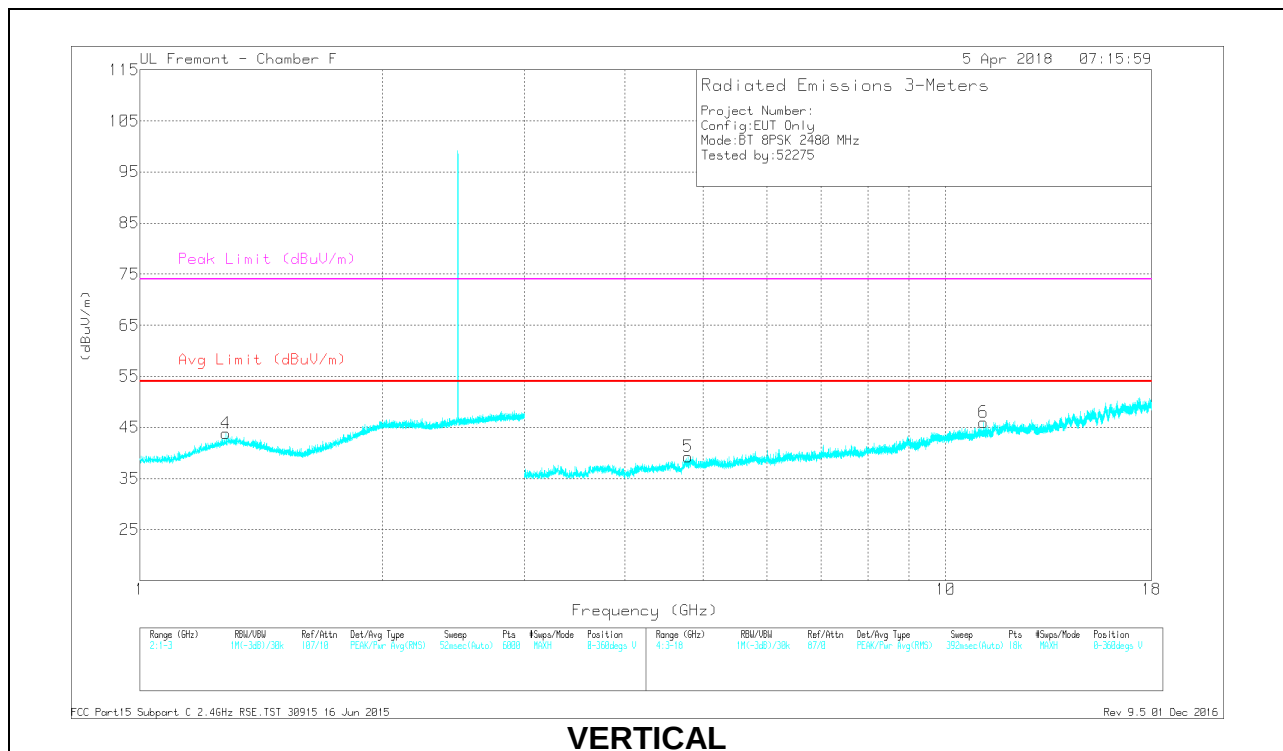
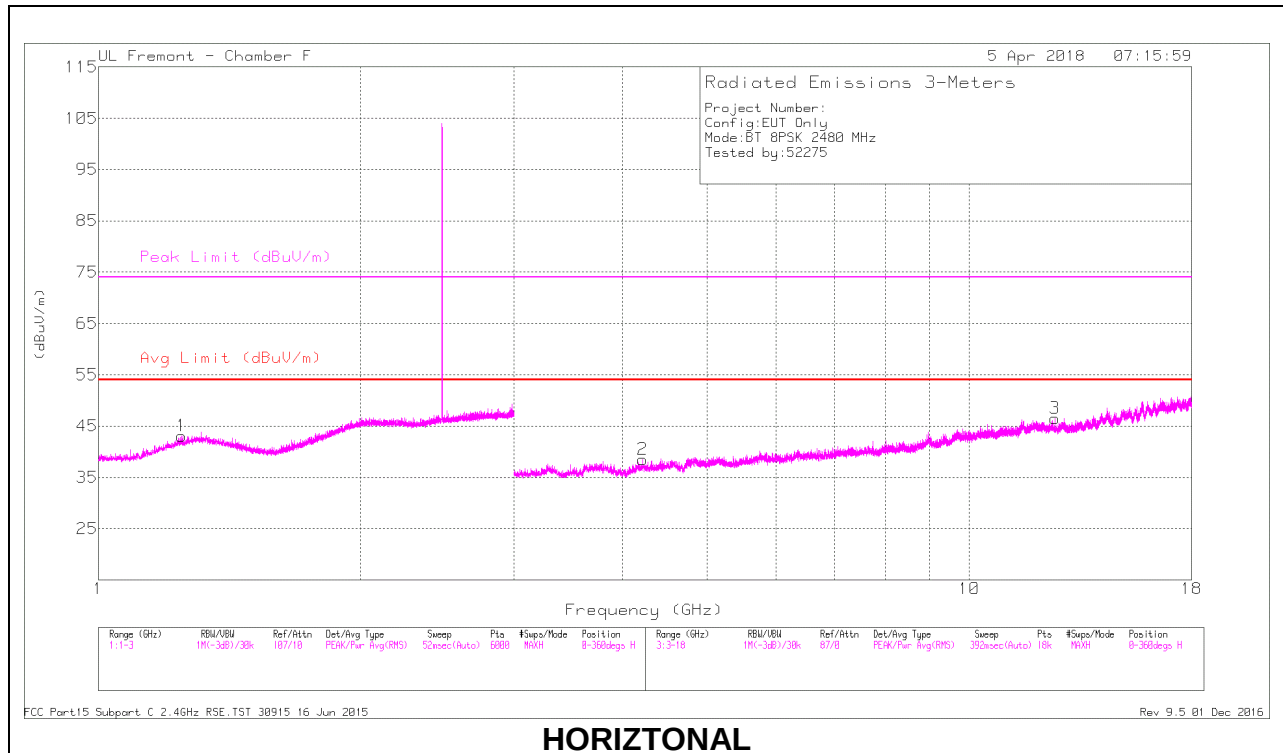
Markers	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.354	40.24	PKFH	31.7	-20.6	51.34	-	-	74	-22.66	333	207	H
	* 2.354	28.48	VA1T	31.6	-20.6	39.48	54	-14.52	-	-	333	207	H
4	* 1.366	40.27	PKFH	28.8	-21.9	47.17	-	-	74	-26.83	147	246	V
	* 1.366	28.62	VA1T	28.8	-21.9	35.52	54	-18.48	-	-	147	246	V
2	* 3.902	36.41	PKFH	33.6	-27.9	42.11	-	-	74	-31.89	352	349	H
	* 3.906	25.14	VA1T	33.6	-27.9	30.84	54	-23.16	-	-	352	349	H
3	* 5.425	36.74	PKFH	34.9	-27.4	44.24	-	-	74	-29.76	105	107	H
	* 5.424	24.69	VA1T	34.9	-27.3	32.29	54	-21.71	-	-	105	107	H
5	* 4.239	35.93	PKFH	33.8	-27	42.73	-	-	74	-31.27	119	339	V
	* 4.237	24.55	VA1T	33.8	-27	31.35	54	-22.65	-	-	119	339	V
6	* 5.033	36.19	PKFH	34.4	-26.1	44.49	-	-	74	-29.51	245	105	V
	* 5.035	24.27	VA1T	34.4	-26.2	32.47	54	-21.53	-	-	245	105	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.246	42.25	PK2	29.4	-22.1	49.55	-	-	74	-24.45	155	264	H
	* 1.245	30.21	MAv1	29.4	-22.1	37.51	54	-16.49	-	-	155	264	H
4	* 1.279	42.33	PK2	29.9	-22	50.23	-	-	74	-23.77	63	294	V
	* 1.277	30.26	MAv1	29.8	-22	38.06	54	-15.94	-	-	63	294	V
2	* 4.213	38.97	PK2	33.5	-27.7	44.77	-	-	74	-29.23	99	101	H
	* 4.212	26.84	MAv1	33.5	-27.8	32.54	54	-21.46	-	-	99	101	H
3	* 12.533	36.63	PK2	38.9	-22.3	53.23	-	-	74	-20.77	58	226	H
	* 12.534	24.07	MAv1	38.9	-22.3	40.67	54	-13.33	-	-	58	226	H
5	* 4.786	38.59	PK2	34.1	-27.2	45.49	-	-	74	-28.51	160	344	V
	* 4.786	27.02	MAv1	34.1	-27.2	33.92	54	-20.08	-	-	160	344	V
6	* 11.142	35.76	PK2	38.1	-21.4	52.46	-	-	74	-21.54	190	188	V
	* 11.142	23.3	MAv1	38.1	-21.4	40	54	-14	-	-	190	188	V

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

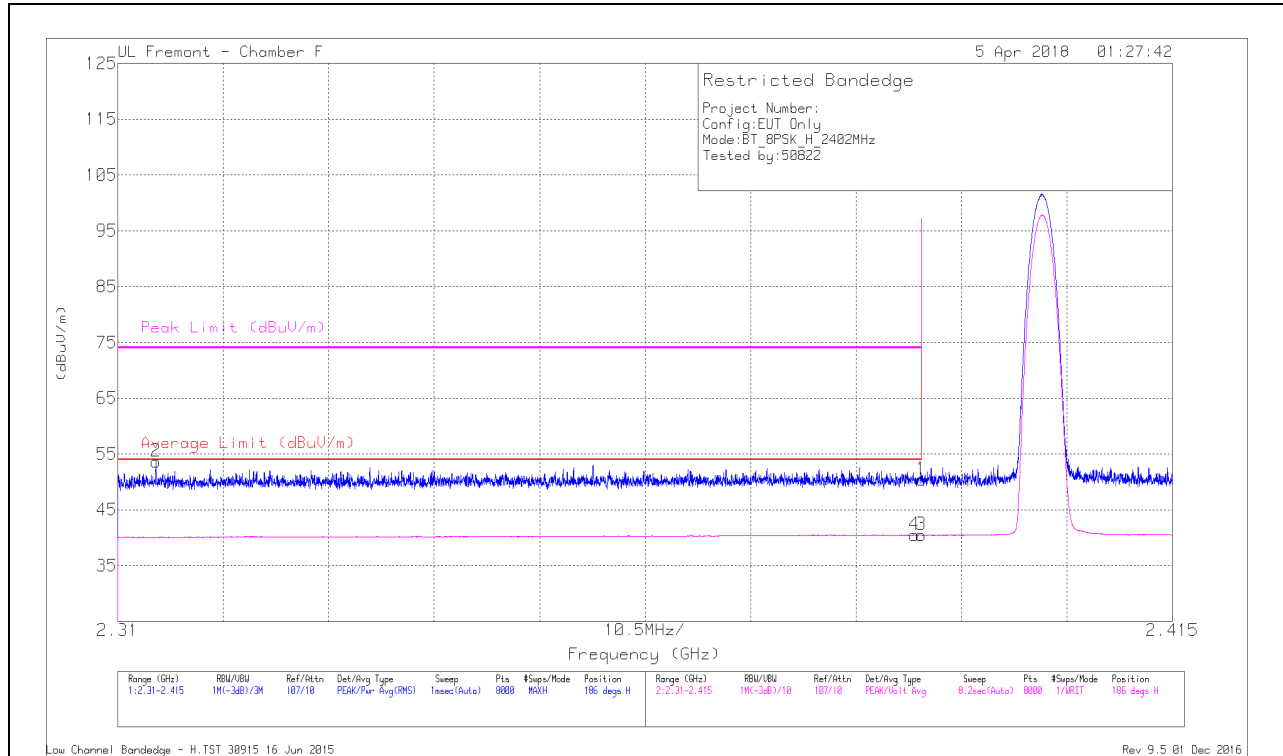
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



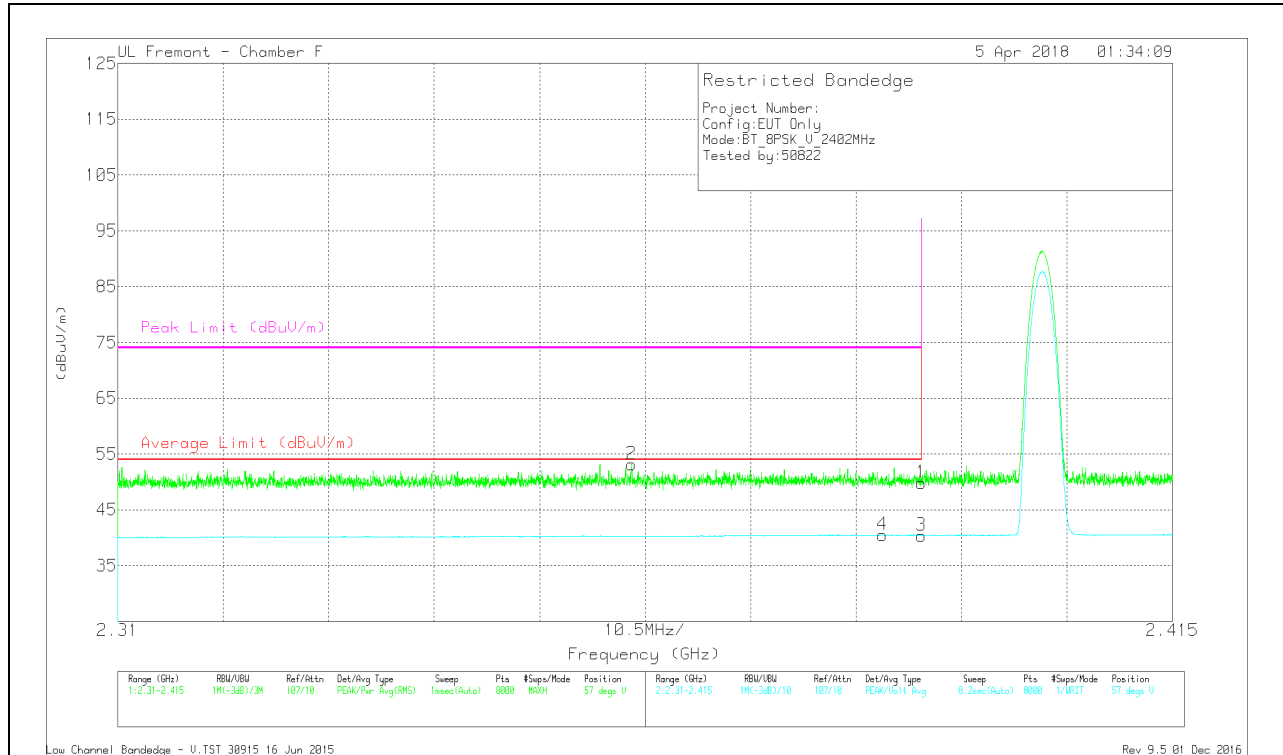
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.12	Pk	31.9	-20.6	50.42	-	-	74	-23.58	186	150	H
2	* 2.314	42.74	Pk	31.6	-20.7	53.64	-	-	74	-20.36	186	150	H
3	* 2.39	29.15	VA1T	31.9	-20.6	40.45	54	-13.55	-	-	186	150	H
4	* 2.389	29.17	VA1T	31.9	-20.6	40.47	54	-13.53	-	-	186	150	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	38.49	Pk	31.9	-20.6	49.79	-	-	74	-24.21	57	268	V
2	* 2.361	42.07	Pk	31.8	-20.7	53.17	-	-	74	-20.83	57	268	V
3	* 2.39	29.11	VA1T	31.9	-20.6	40.41	54	-13.59	-	-	57	268	V
4	* 2.386	29.26	VA1T	31.8	-20.6	40.46	54	-13.54	-	-	57	268	V

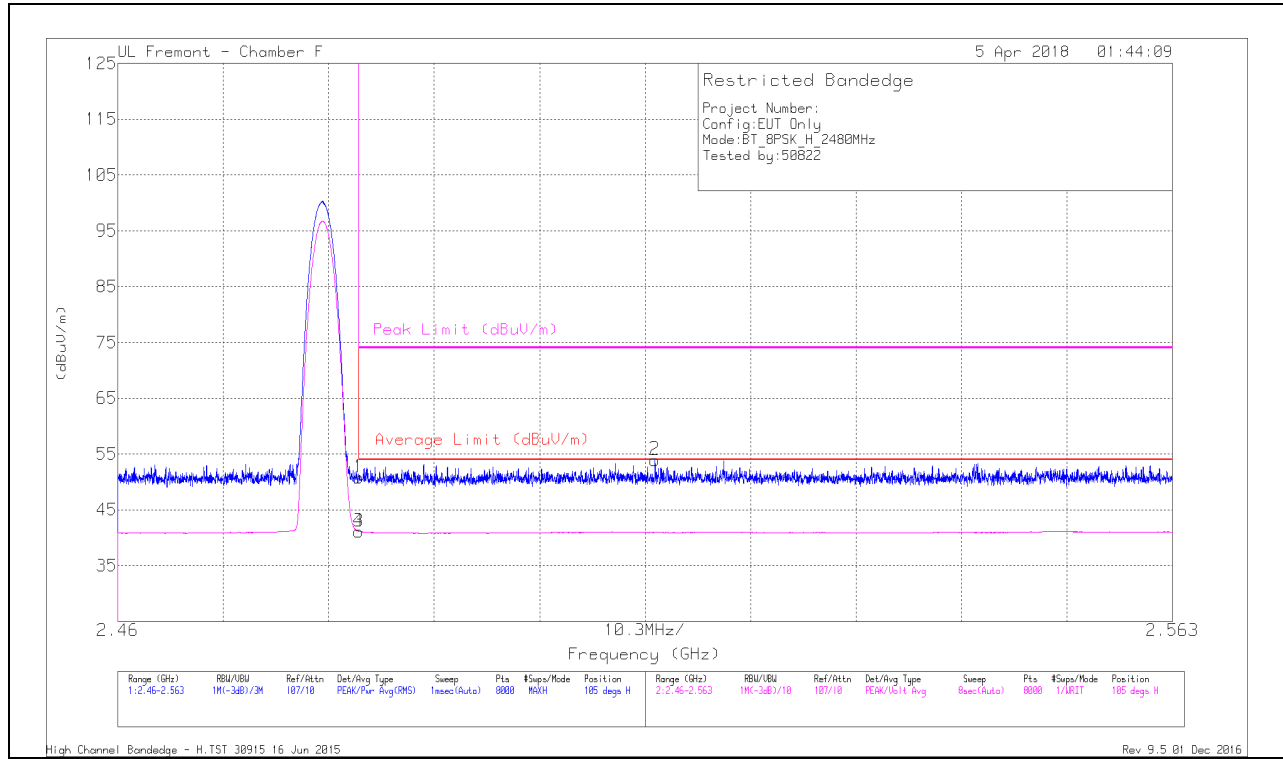
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



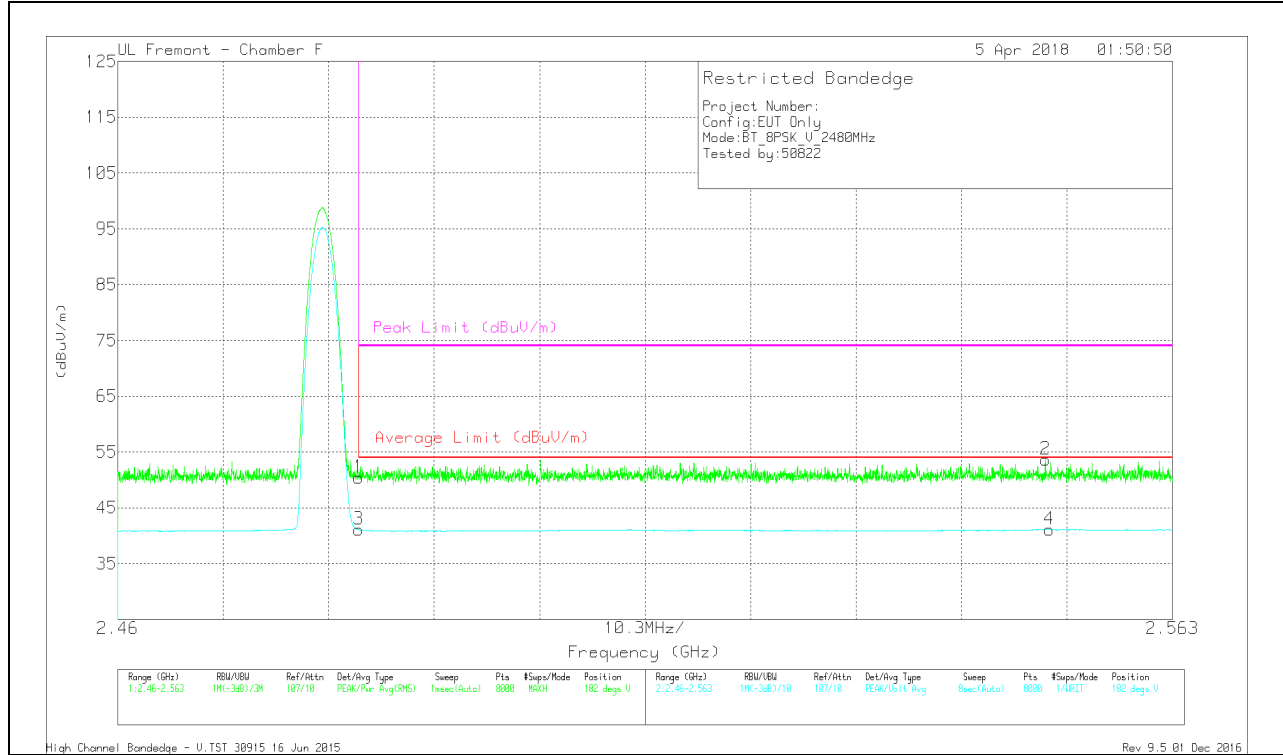
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.43	Pk	32.1	-20.7	50.83	-	-	74	-23.17	105	123	H
2	2.512	42.45	Pk	32.2	-20.7	53.95	-	-	74	-20.05	105	123	H
3	* 2.484	29.74	VA1T	32.1	-20.7	41.14	54	-12.86	-	-	105	123	H
4	* 2.484	29.72	VA1T	32.1	-20.7	41.12	54	-12.88	-	-	105	123	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 2.484	39.06	Pk	32.1	-20.7	50.46	-	-	74	-23.54	182	363	V
2	2.551	41.89	Pk	32.2	-20.5	53.59	-	-	74	-20.41	182	363	V
3	* 2.484	29.67	VA1T	32.1	-20.7	41.07	54	-12.93	-	-	182	363	V
4	2.551	29.43	VA1T	32.2	-20.5	41.13	54	-13.87	-	-	182	363	V

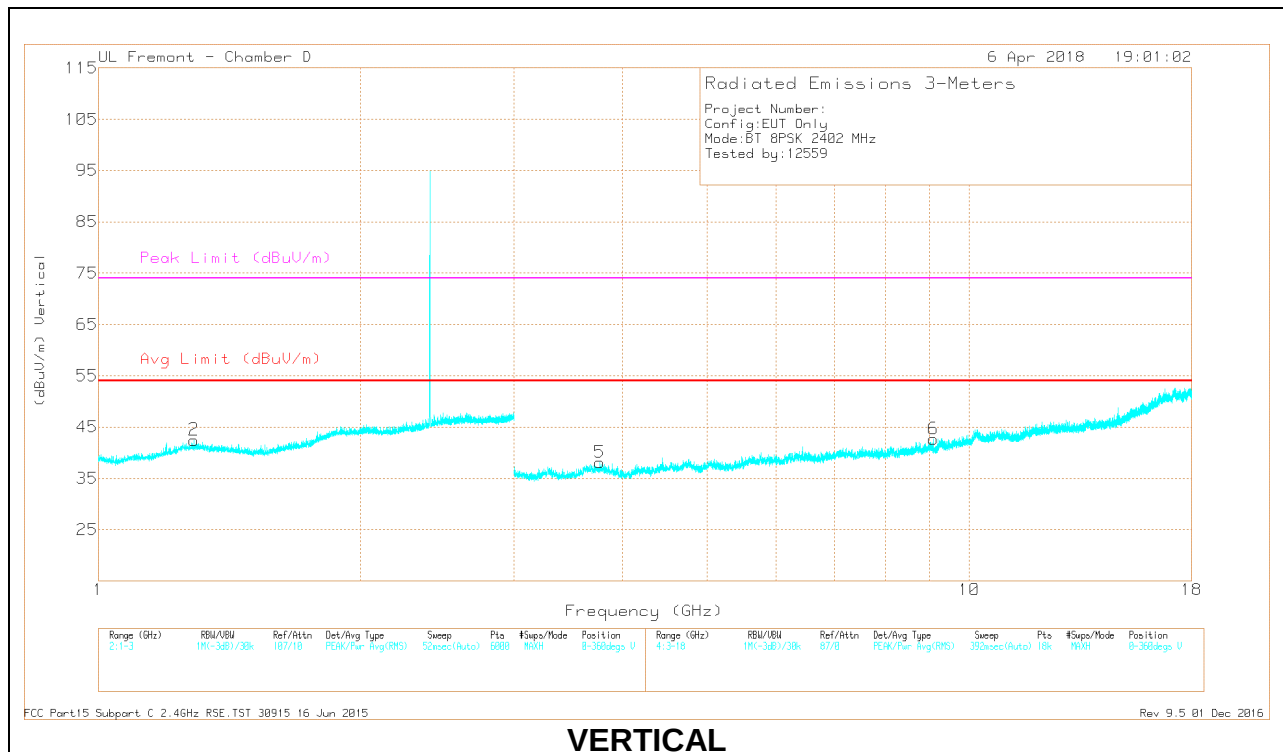
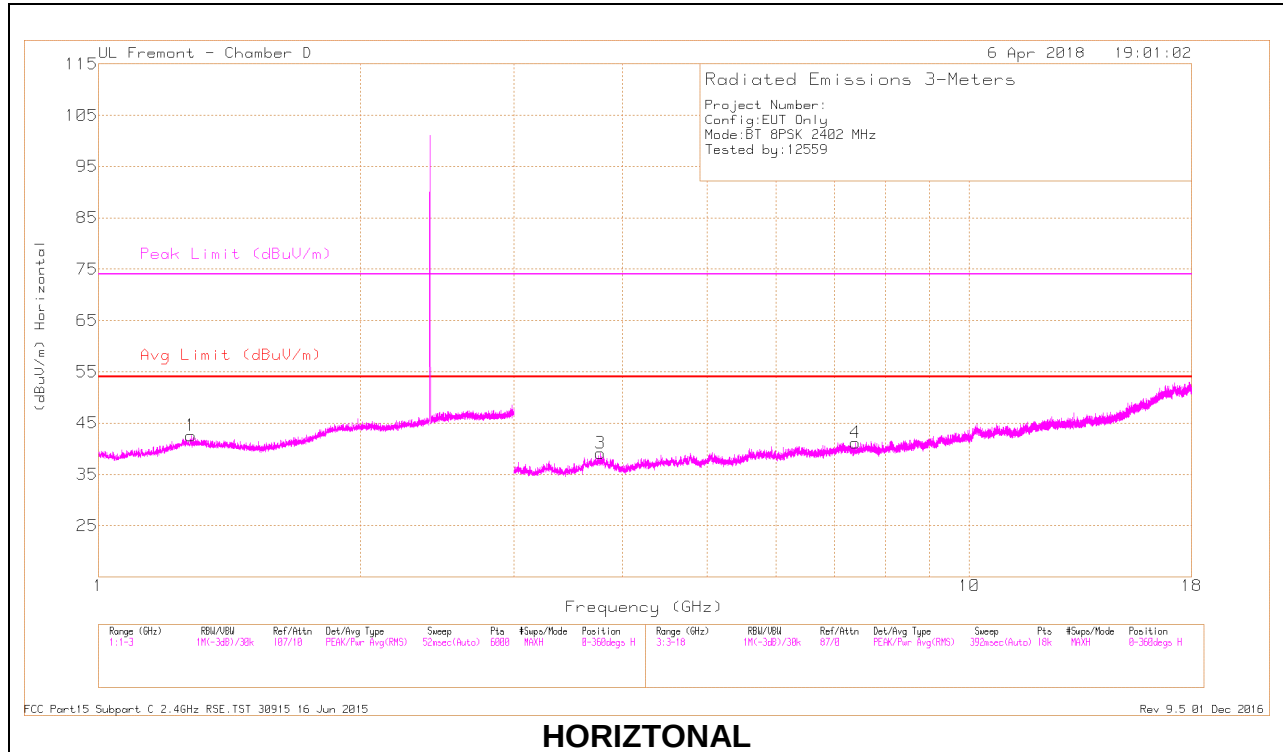
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

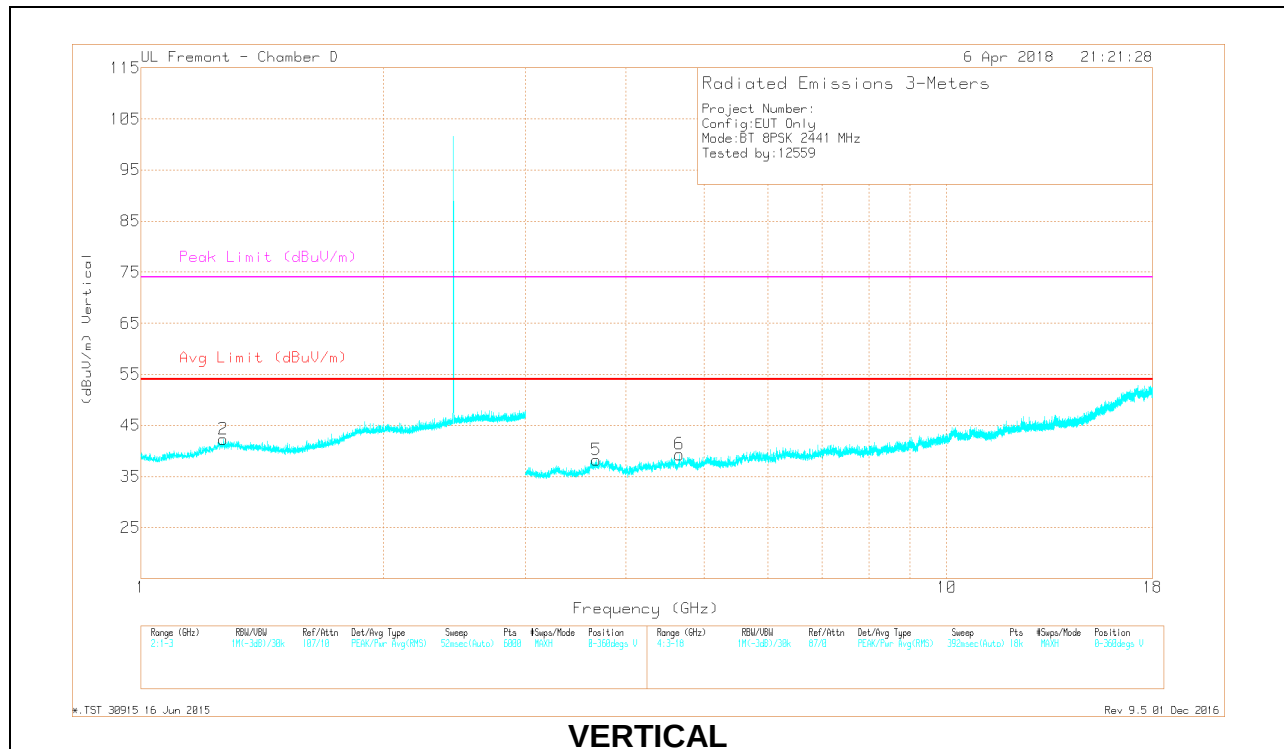
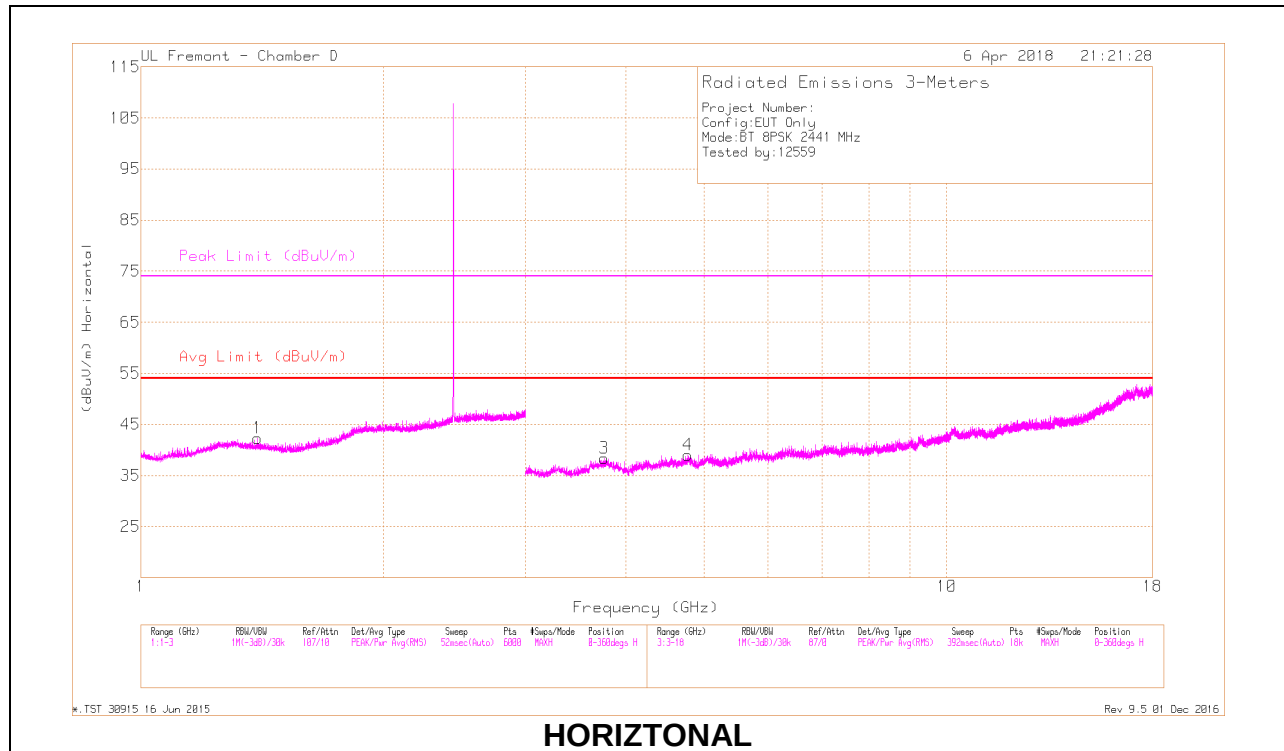
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.276	41.17	PKFH	29.2	-22	48.37	-	-	74	-25.63	306	273	H
	* 1.277	28.71	VA1T	29.2	-22	35.91	54	-18.09	-	-	306	273	H
2	* 1.29	40.78	PKFH	29.3	-22	48.08	-	-	74	-25.92	350	295	V
	* 1.287	28.67	VA1T	29.3	-22	35.97	54	-18.03	-	-	350	295	V
3	* 3.77	37.03	PKFH	33.5	-27.9	42.63	-	-	74	-31.37	328	259	H
	* 3.77	25.26	VA1T	33.5	-27.9	30.86	54	-23.14	-	-	328	259	H
4	* 7.4	34.99	PKFH	36.2	-24.4	46.79	-	-	74	-27.21	111	278	H
	* 7.4	22.67	VA1T	36.2	-24.4	34.47	54	-19.53	-	-	111	278	H
5	* 3.765	37.04	PKFH	33.5	-27.9	42.64	-	-	74	-31.36	356	285	V
	* 3.766	25.09	VA1T	33.5	-27.9	30.69	54	-23.31	-	-	356	285	V
6	* 9.099	33	PKFH	36.3	-22	47.3	-	-	74	-26.7	254	172	V
	* 9.099	21.28	VA1T	36.3	-22	35.58	54	-18.42	-	-	254	172	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

MID CHANNEL RESULTS



RADIATED EMISSIONS

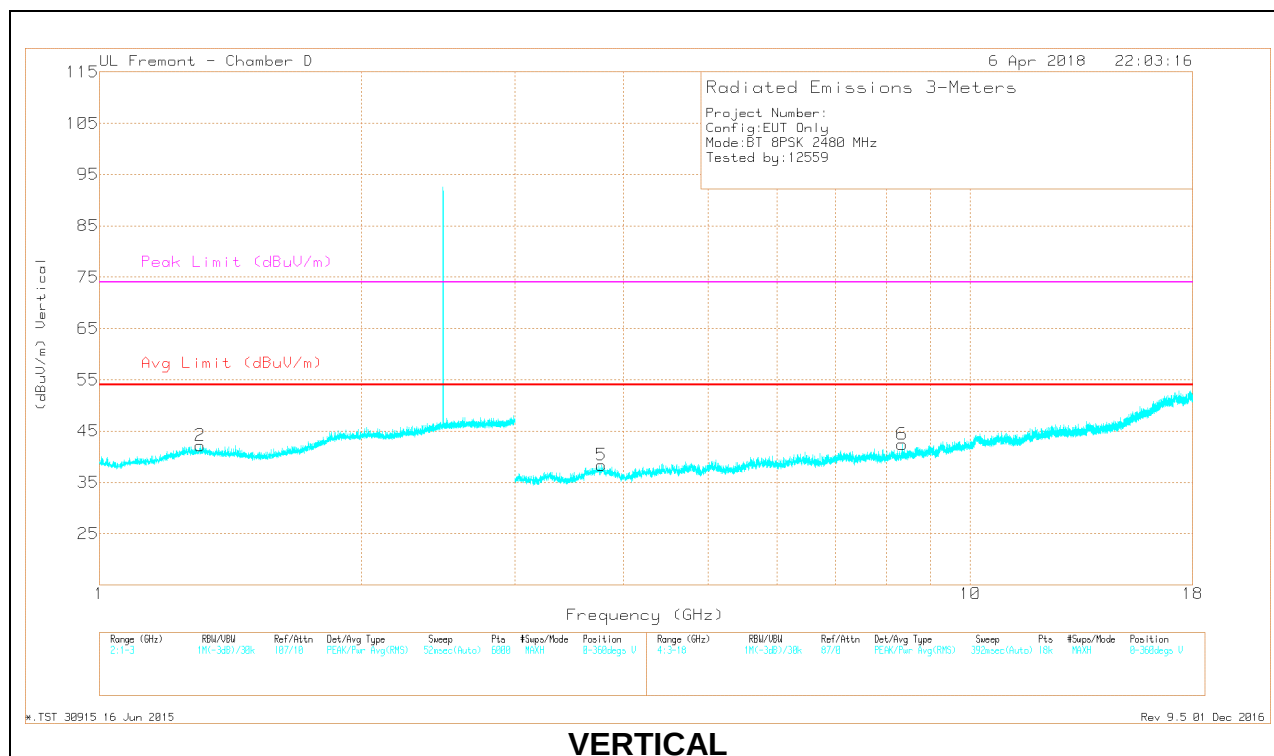
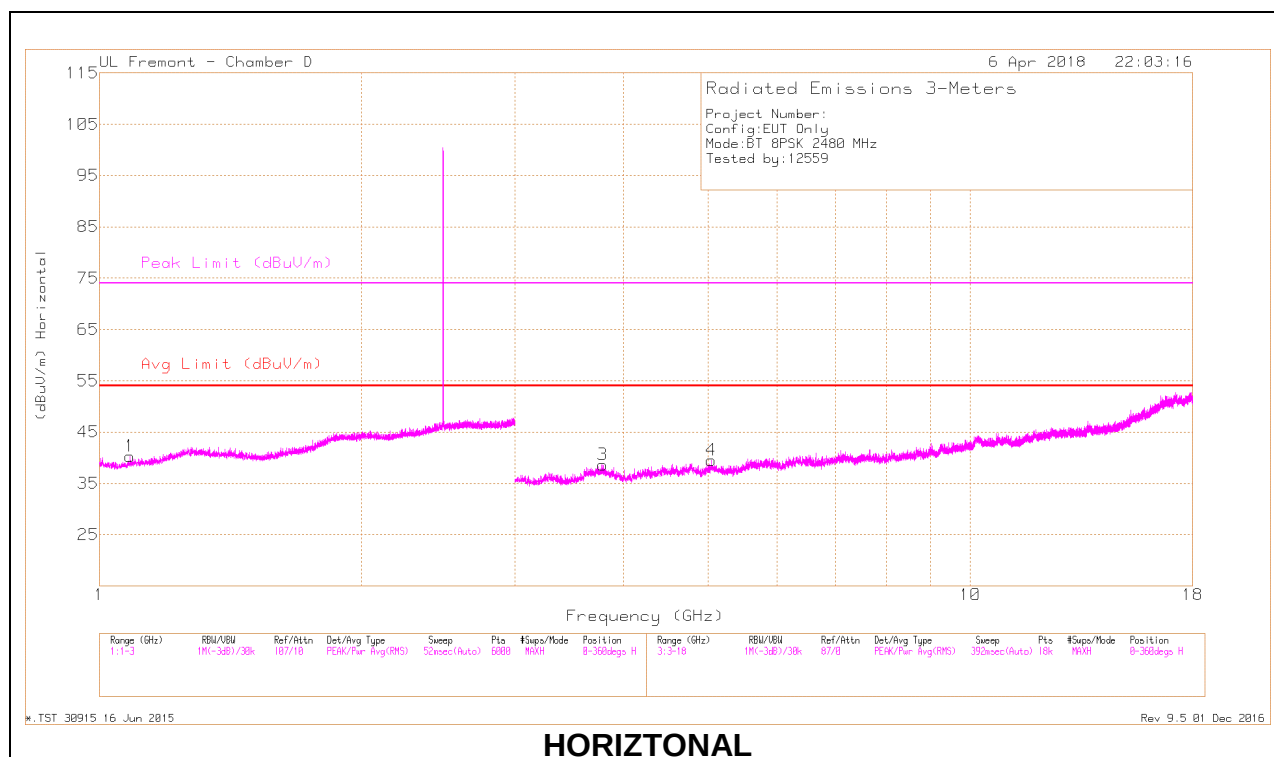
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.395	39.67	PKFH	28.8	-21.8	46.67	-	-	74	-27.33	325	299	H
	* 1.396	28.53	VA1T	28.8	-21.9	35.43	54	-18.57	-	-	325	299	H
2	* 1.264	41.05	PKFH	29.1	-22	48.15	-	-	74	-25.85	5	344	V
	* 1.266	28.77	VA1T	29.1	-22	35.87	54	-18.13	-	-	5	344	V
3	* 3.756	36.68	PKFH	33.5	-27.9	42.28	-	-	74	-31.72	315	126	H
	* 3.758	24.99	VA1T	33.5	-27.9	30.59	54	-23.41	-	-	315	126	H
4	* 4.772	37.21	PKFH	34.5	-26.3	45.41	-	-	74	-28.59	20	222	H
	* 4.774	24.93	VA1T	34.5	-26.3	33.13	54	-20.87	-	-	20	222	H
5	* 3.673	38.85	PKFH	33.6	-28.8	43.65	-	-	74	-30.35	251	103	V
	* 3.672	25.77	VA1T	33.6	-28.8	30.57	54	-23.43	-	-	251	103	V
6	* 4.66	37.07	PKFH	34.6	-27.8	43.87	-	-	74	-30.13	88	326	V
	* 4.66	25.26	VA1T	34.6	-27.7	32.16	54	-21.84	-	-	88	326	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/F ltr/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	* 1.083	41.3	PKFH	27.2	-22.3	46.2	-	-	74	-27.8	106	266	H
	* 1.082	28.91	VA1T	27.2	-22.3	33.81	54	-20.19	-	-	106	266	H
2	* 1.307	40.38	PKFH	29.3	-22	47.68	-	-	74	-26.32	122	114	V
	* 1.308	28.72	VA1T	29.2	-22	35.92	54	-18.08	-	-	122	114	V
3	* 3.785	37.05	PKFH	33.6	-27.9	42.75	-	-	74	-31.25	137	276	H
	* 3.784	25.31	VA1T	33.6	-27.9	31.01	54	-22.99	-	-	137	276	H
4	* 5.04	36.1	PKFH	34.4	-26.2	44.3	-	-	74	-29.7	38	266	H
	* 5.041	24.27	VA1T	34.4	-26.2	32.47	54	-21.53	-	-	38	266	H
5	* 3.773	36.78	PKFH	33.5	-27.8	42.48	-	-	74	-31.52	151	363	V
	* 3.769	25.07	VA1T	33.5	-27.9	30.67	54	-23.33	-	-	151	363	V
6	* 8.352	33.84	PKFH	35.8	-22.6	47.04	-	-	74	-26.96	11	237	V
	* 8.349	21.87	VA1T	35.8	-22.7	34.97	54	-19.03	-	-	11	237	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

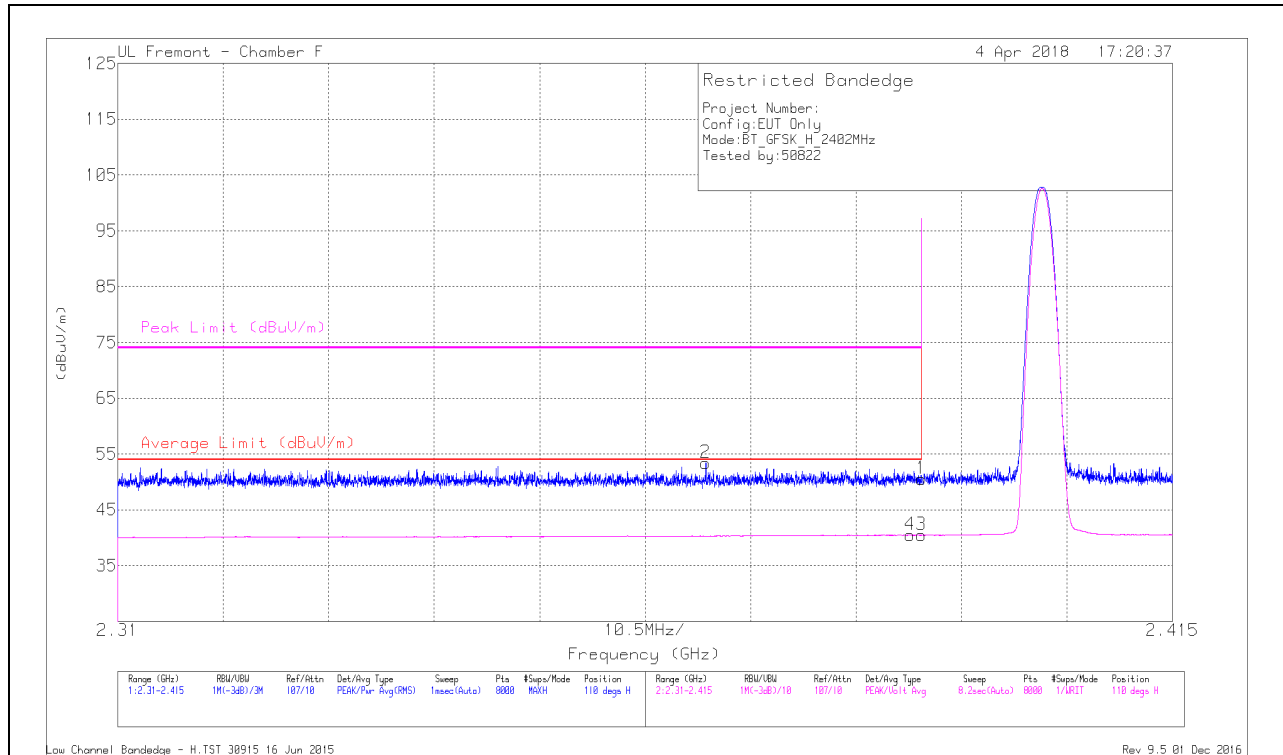
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.3. LOW POWER BASIC DATA RATE GFSK MODULATION

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



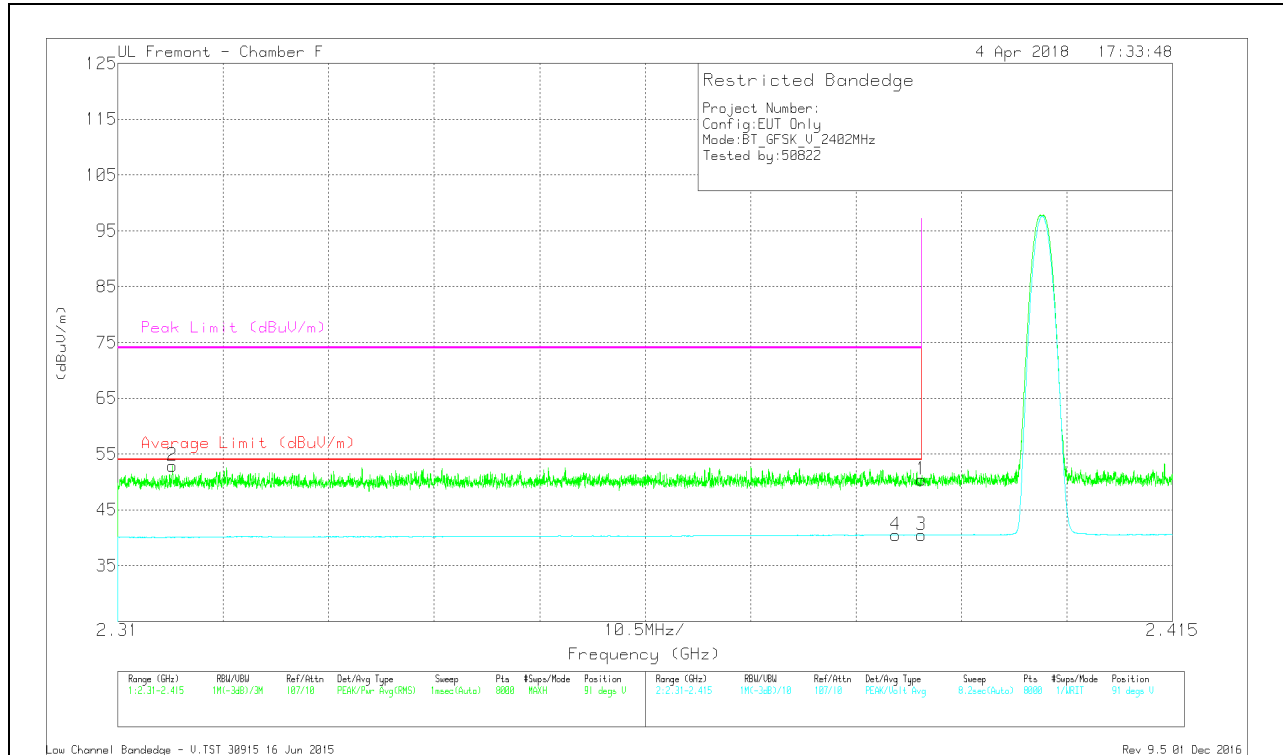
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.2	Pk	31.9	-20.6	50.5	-	-	74	-23.5	110	150	H
2	* 2.369	42.23	Pk	31.8	-20.6	53.43	-	-	74	-20.57	110	150	H
3	* 2.39	29.13	VA1T	31.9	-20.6	40.43	54	-13.57	-	-	110	150	H
4	* 2.389	29.17	VA1T	31.9	-20.6	40.47	54	-13.53	-	-	110	150	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.1	Pk	31.9	-20.6	50.4	-	-	74	-23.6	91	341	V
2	* 2.315	42.04	Pk	31.6	-20.7	52.94	-	-	74	-21.06	91	341	V
3	* 2.39	29.17	VA1T	31.9	-20.6	40.47	54	-13.53	-	-	91	341	V
4	* 2.387	29.21	VA1T	31.9	-20.6	40.51	54	-13.49	-	-	91	341	V

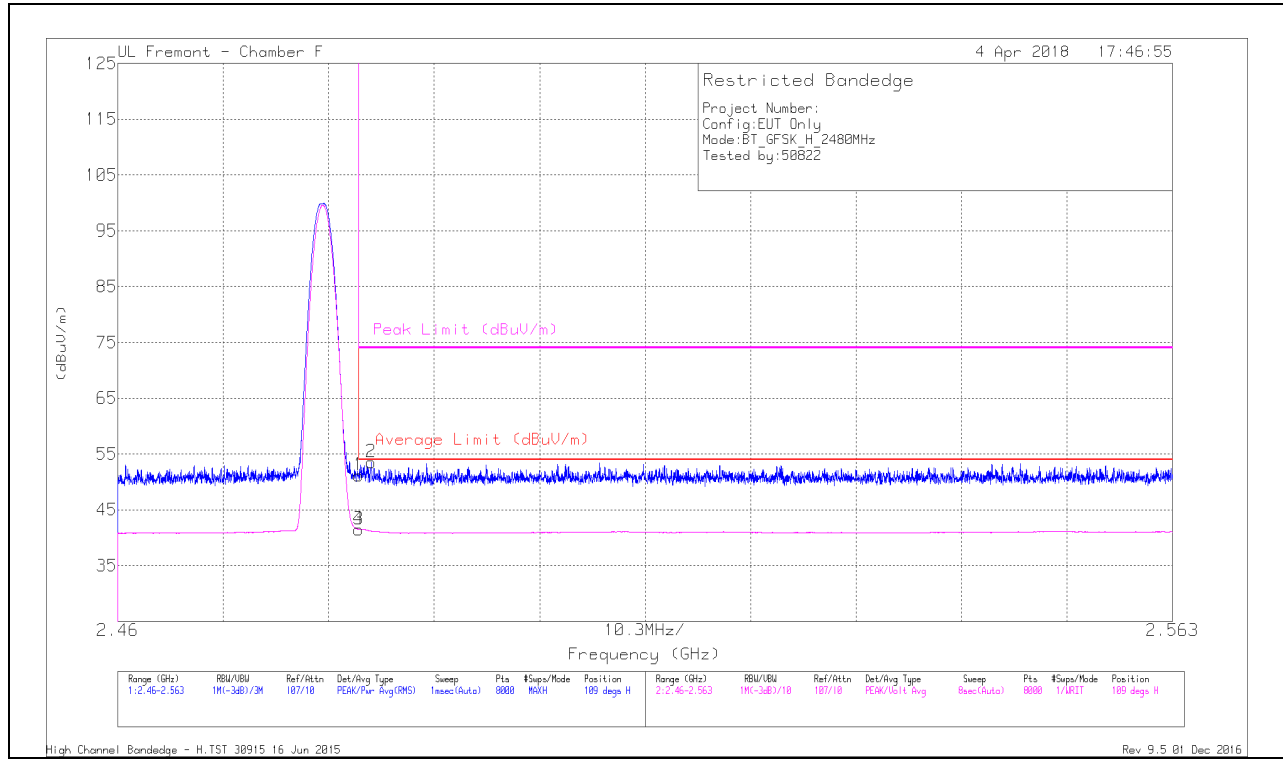
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



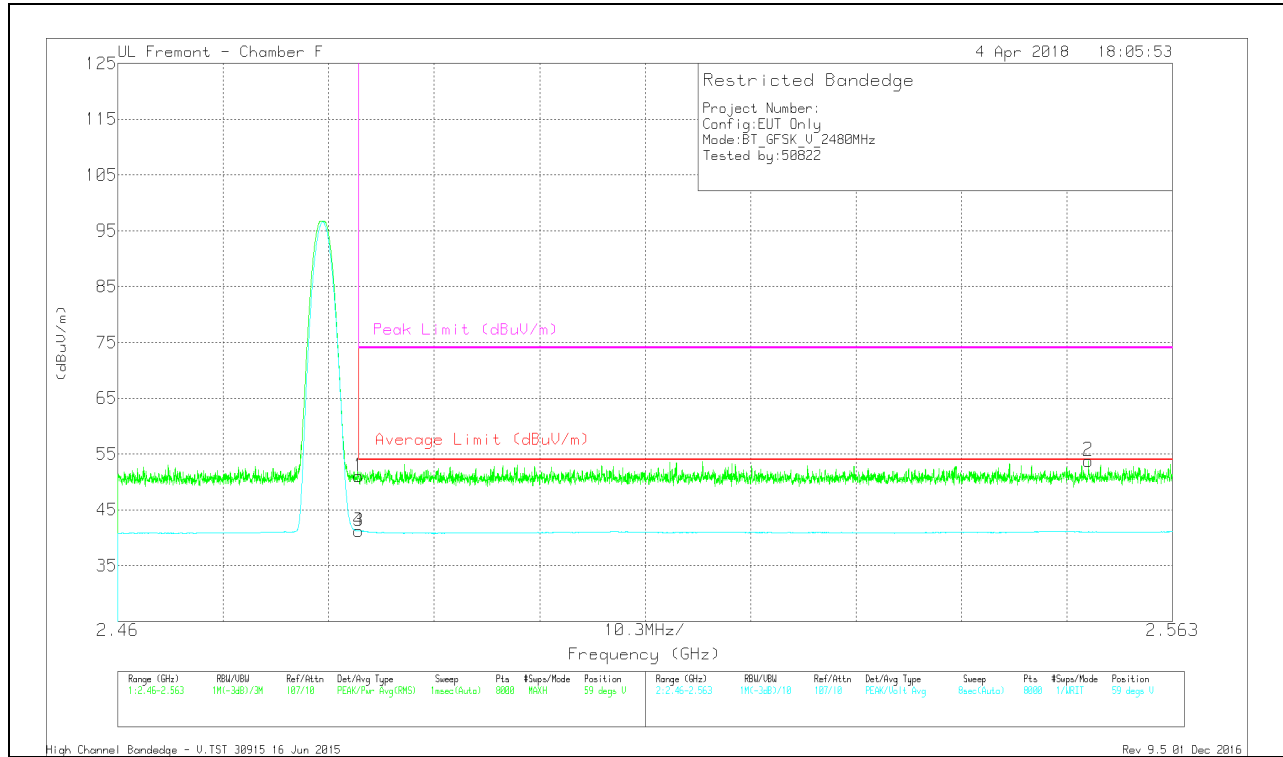
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.81	Pk	32.1	-20.7	51.21	-	-	74	-22.79	109	100	H
2	* 2.485	41.98	Pk	32.2	-20.7	53.48	-	-	74	-20.52	109	100	H
3	* 2.484	30.12	VA1T	32.1	-20.7	41.52	54	-12.48	-	-	109	100	H
4	* 2.484	30.13	VA1T	32.1	-20.7	41.53	54	-12.47	-	-	109	100	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/Cbl/Filt/P ad (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	39.65	Pk	32.1	-20.7	51.05	-	-	74	-22.95	59	355	V
2	2.555	42.23	Pk	32.2	-20.6	53.83	-	-	74	-20.17	59	355	V
3	* 2.484	29.79	VA1T	32.1	-20.7	41.19	54	-12.81	-	-	59	355	V
4	* 2.484	29.81	VA1T	32.1	-20.7	41.21	54	-12.79	-	-	59	355	V

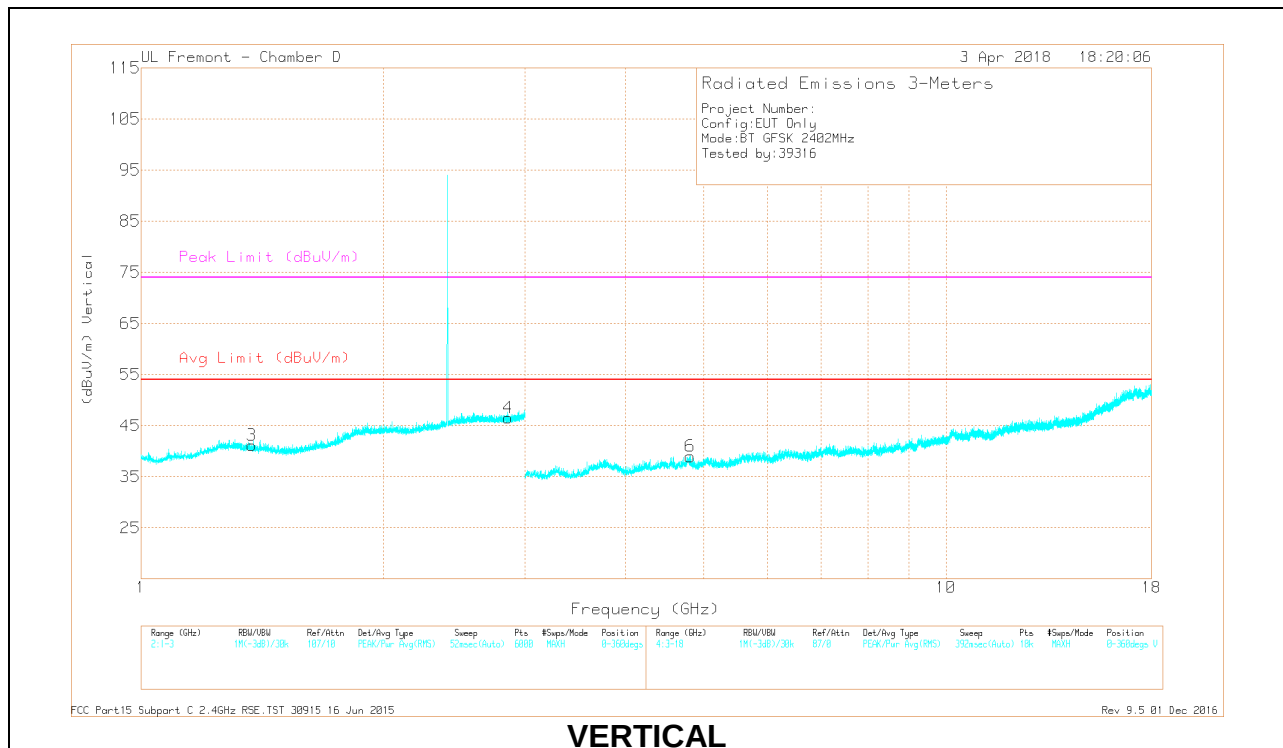
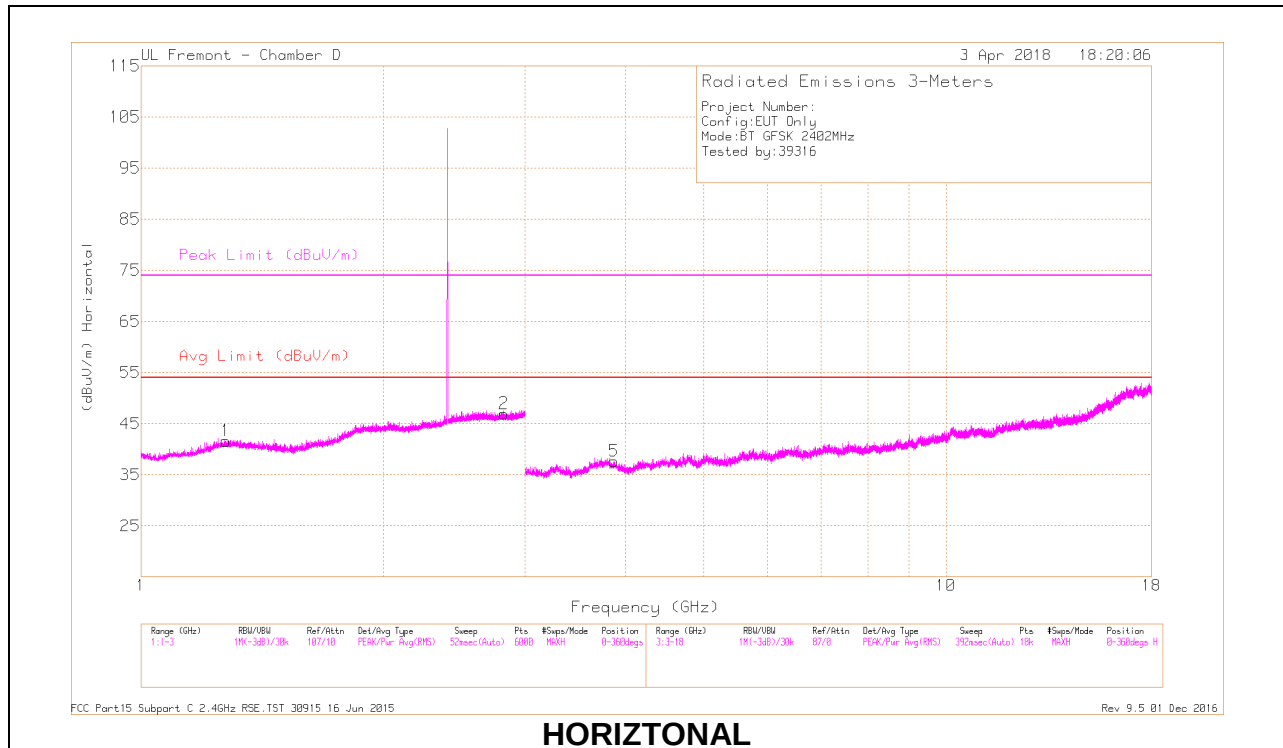
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

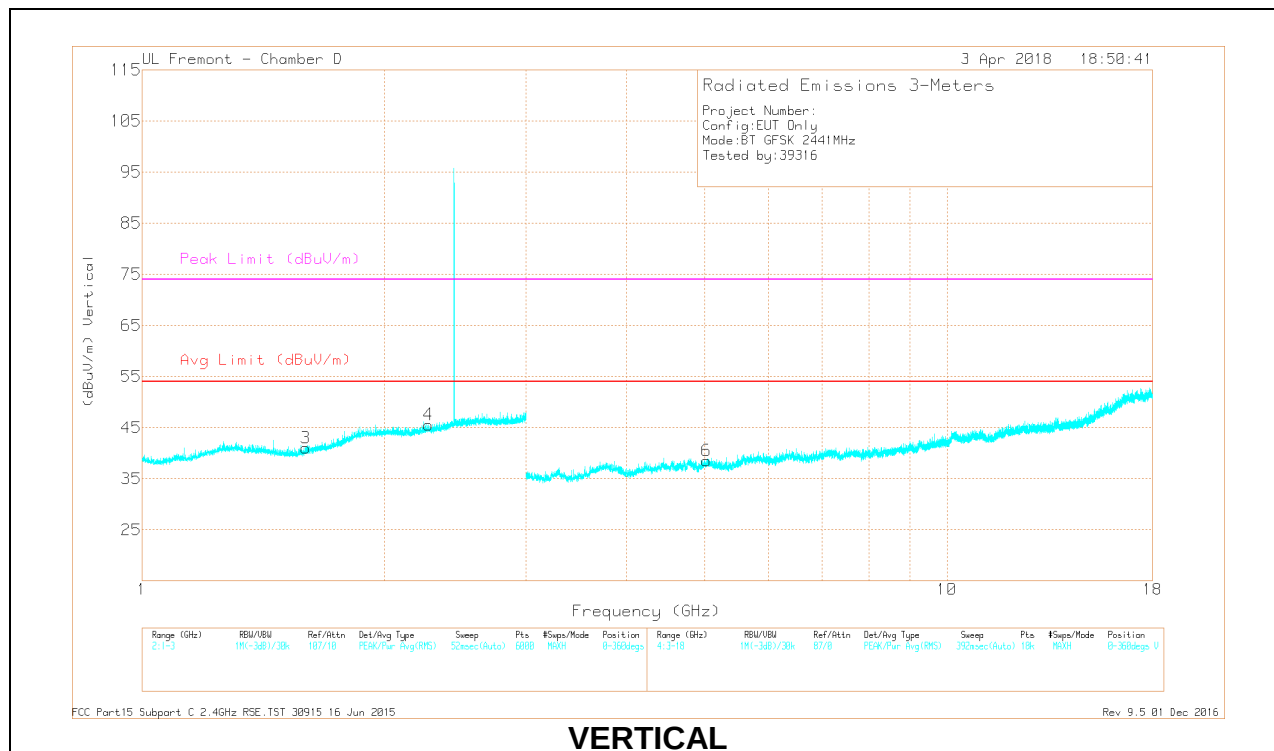
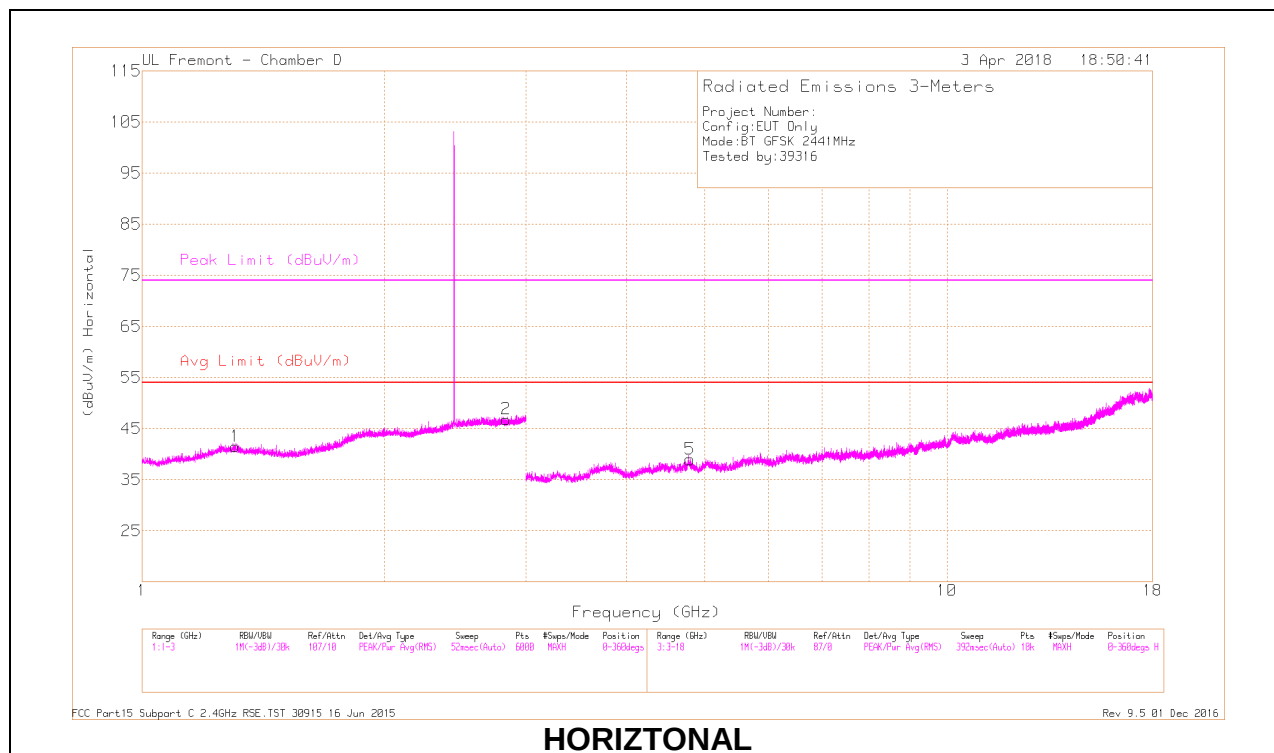
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.277	40.28	PKFH	29.2	-22	47.48	-	-	74	-26.52	352	143	H
	* 1.274	28.67	VA1T	29.2	-22.1	35.77	54	-18.23	-	-	352	143	H
2	* 2.826	39.86	PKFH	32.6	-19.9	52.56	-	-	74	-21.44	244	343	H
	* 2.825	28.26	VA1T	32.6	-19.9	40.96	54	-13.04	-	-	244	343	H
3	* 1.371	40.86	PKFH	28.8	-21.9	47.76	-	-	74	-26.24	134	122	V
	* 1.373	28.63	VA1T	28.8	-21.9	35.53	54	-18.47	-	-	134	122	V
4	* 2.859	39.91	PKFH	32.5	-19.9	52.51	-	-	74	-21.49	289	370	V
	* 2.858	28.14	VA1T	32.5	-19.9	40.74	54	-13.26	-	-	289	370	V
5	* 3.869	36.82	PKFH	33.6	-28.3	42.12	-	-	74	-31.88	214	287	H
	* 3.868	25.36	VA1T	33.6	-28.3	30.66	54	-23.34	-	-	214	287	H
6	* 4.811	35.61	PKFH	34.5	-26.6	43.51	-	-	74	-30.49	167	198	V
	* 4.811	23.87	VA1T	34.5	-26.6	31.77	54	-22.23	-	-	167	198	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

MID CHANNEL RESULTS



RADIATED EMISSIONS

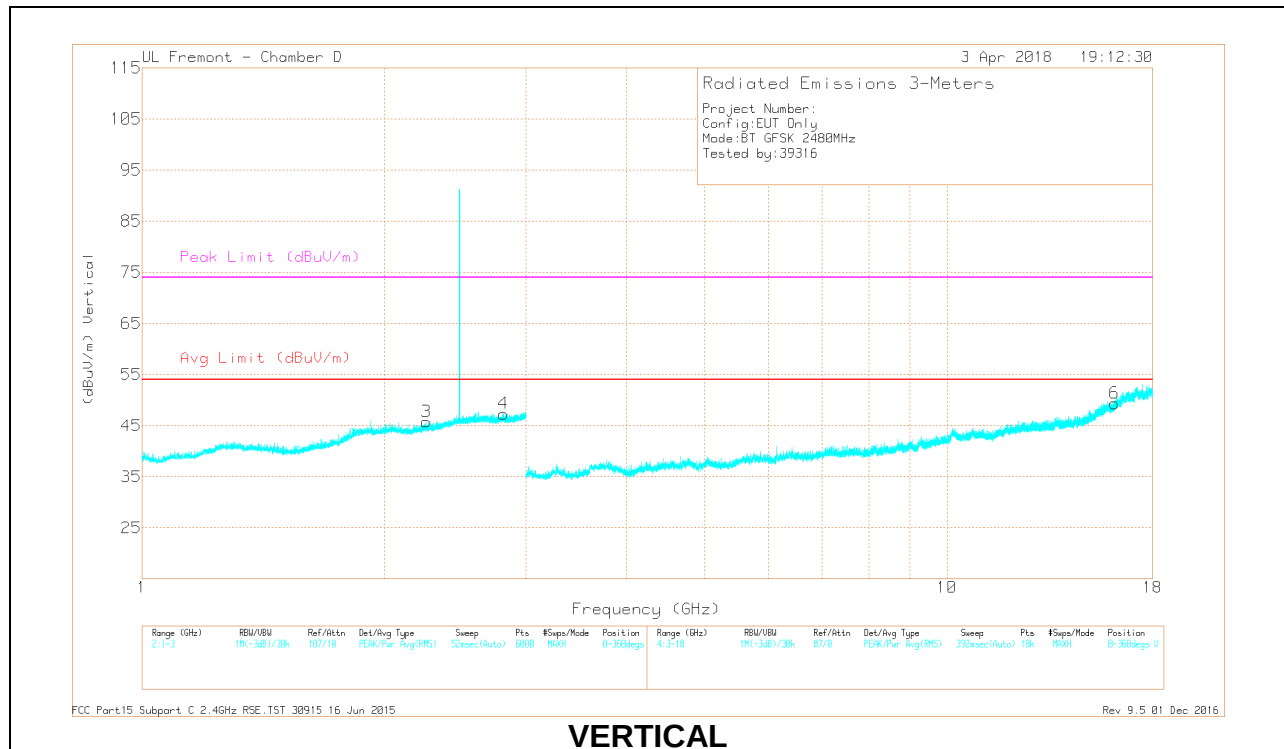
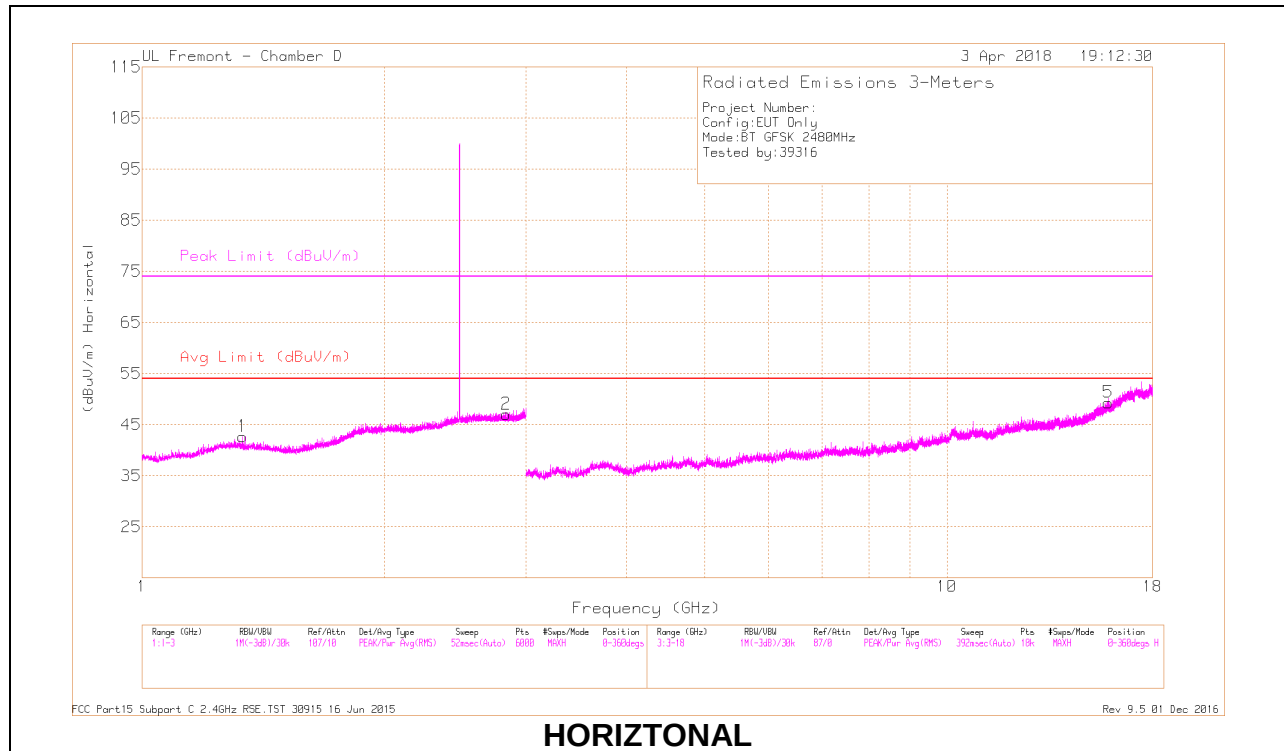
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.305	40.23	PKFH	29.3	-22	47.53	-	-	74	-26.47	135	188	H
	* 1.308	28.6	VA1T	29.2	-22	35.8	54	-18.2	-	-	135	188	H
2	* 2.835	40.14	PKFH	32.6	-19.9	52.84	-	-	74	-21.16	240	260	H
	* 2.835	28.18	VA1T	32.6	-19.9	40.88	54	-13.12	-	-	240	260	H
3	* 1.599	39.73	PKFH	28.3	-21.6	46.43	-	-	74	-27.57	190	212	V
	* 1.596	28.35	VA1T	28.3	-21.6	35.05	54	-18.95	-	-	190	212	V
4	* 2.271	40.13	PKFH	31.5	-20.7	50.93	-	-	74	-23.07	76	372	V
	* 2.269	28.41	VA1T	31.5	-20.8	39.11	54	-14.89	-	-	76	372	V
5	* 4.796	35.74	PKFH	34.5	-26.3	43.94	-	-	74	-30.06	113	335	H
	* 4.796	24.15	VA1T	34.5	-26.3	32.35	54	-21.65	-	-	113	335	H
6	* 5.027	36.46	PKFH	34.4	-26.2	44.66	-	-	74	-29.34	219	175	V
	* 5.03	24.02	VA1T	34.4	-26.2	32.22	54	-21.78	-	-	219	175	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 1.331	40.93	PKFH	29	-21.9	48.03	-	-	74	-25.97	214	274	H
	* 1.331	28.49	VA1T	29	-21.9	35.59	54	-18.41	-	-	214	274	H
2	* 2.831	39.87	PKFH	32.6	-19.9	52.57	-	-	74	-21.43	131	235	H
	* 2.834	28.15	VA1T	32.6	-19.9	40.85	54	-13.15	-	-	131	235	H
3	* 2.254	42.1	PKFH	31.5	-20.8	52.8	-	-	74	-21.2	337	243	V
	* 2.255	28.43	VA1T	31.5	-20.8	39.13	54	-14.87	-	-	337	243	V
4	* 2.812	40.9	PKFH	32.6	-20	53.5	-	-	74	-20.5	312	369	V
	* 2.811	28.2	VA1T	32.6	-20	40.8	54	-13.2	-	-	312	369	V
5	* 15.861	32.99	PKFH	41.1	-18.4	55.69	-	-	74	-18.31	219	245	H
	* 15.862	21.03	VA1T	41.1	-18.4	43.73	54	-10.27	-	-	219	245	H
6	* 16.139	32.39	PKFH	41.4	-18.3	55.49	-	-	74	-18.51	227	160	V
	* 16.139	20.46	VA1T	41.4	-18.3	43.56	54	-10.44	-	-	227	160	V

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

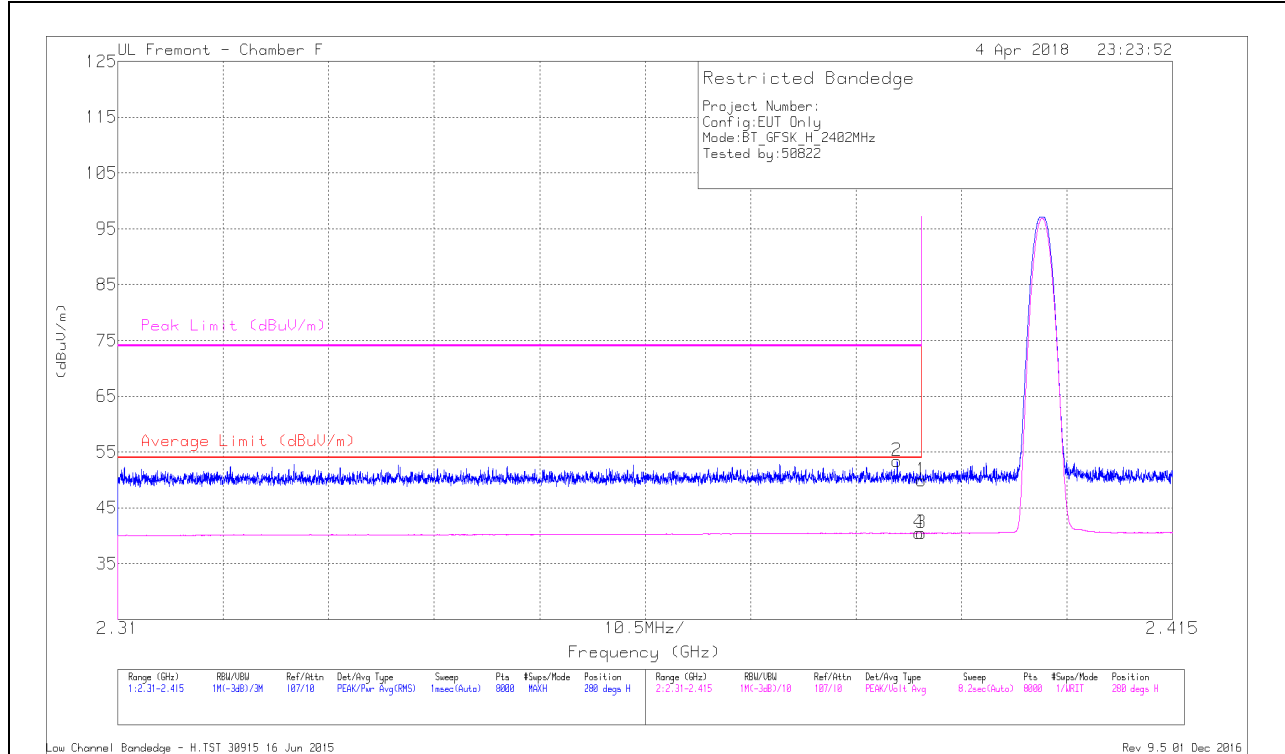
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



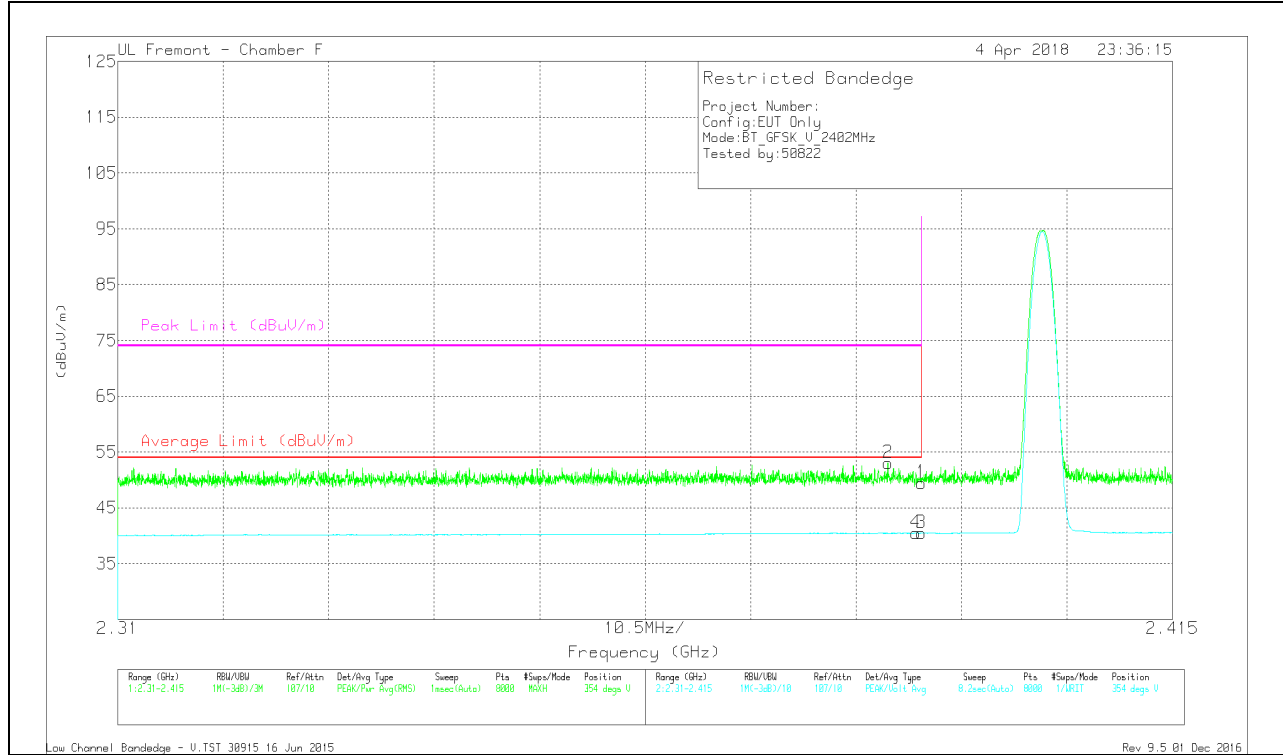
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.62	Pk	31.9	-20.6	49.92	-	-	74	-24.08	280	131	H
2	* 2.388	42.12	Pk	31.9	-20.6	53.42	-	-	74	-20.58	280	131	H
3	* 2.39	29.14	VA1T	31.9	-20.6	40.44	54	-13.56	-	-	280	131	H
4	* 2.39	29.15	VA1T	31.9	-20.6	40.45	54	-13.55	-	-	280	131	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.18	Pk	31.9	-20.6	49.48	-	-	74	-24.52	354	402	V
2	* 2.387	41.73	Pk	31.9	-20.6	53.03	-	-	74	-20.97	354	402	V
3	* 2.39	29.15	VA1T	31.9	-20.6	40.45	54	-13.55	-	-	354	402	V
4	* 2.389	29.21	VA1T	31.9	-20.6	40.51	54	-13.49	-	-	354	402	V

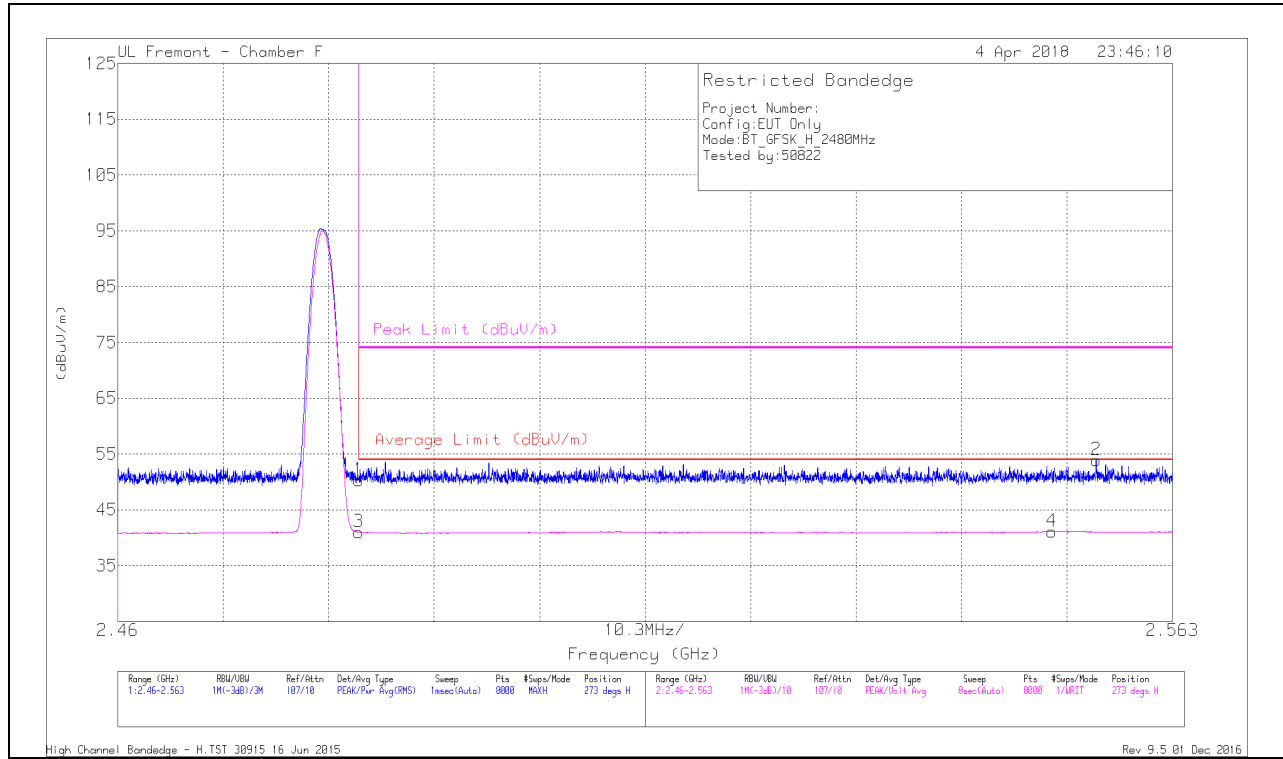
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



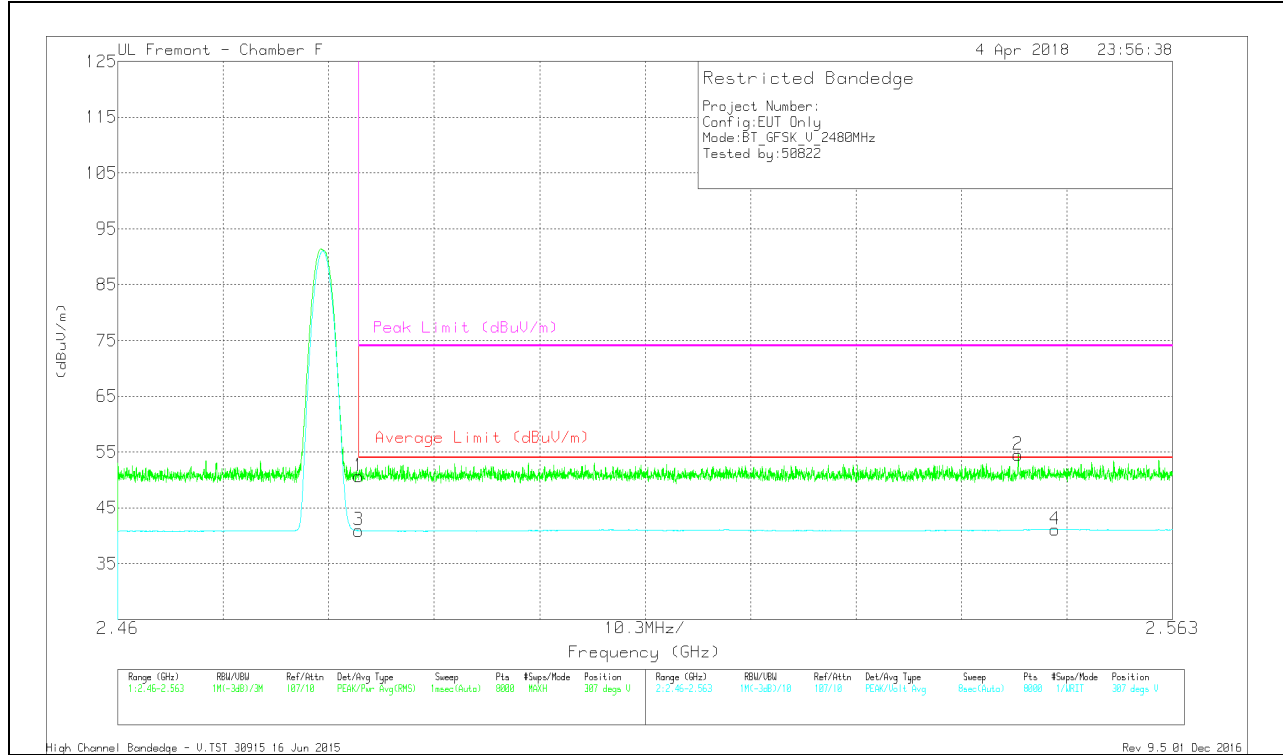
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.84	Pk	32.1	-20.7	50.24	-	-	74	-23.76	273	358	H
2	2.556	42.33	Pk	32.2	-20.6	53.93	-	-	74	-20.07	273	358	H
3	* 2.484	29.61	VA1T	32.1	-20.7	41.01	54	-12.99	-	-	273	358	H
4	2.551	29.45	VA1T	32.2	-20.5	41.15	54	-12.85	-	-	273	358	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Ampl/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	* 2.484	39.27	Pk	32.1	-20.7	50.67	-	-	74	-23.33	307	368	V
2	2.548	42.91	Pk	32.2	-20.6	54.51	-	-	74	-19.49	307	368	V
3	* 2.484	29.52	VA1T	32.1	-20.7	40.92	54	-13.08	-	-	307	368	V
4	2.552	29.45	VA1T	32.2	-20.5	41.15	54	-12.85	-	-	307	368	V

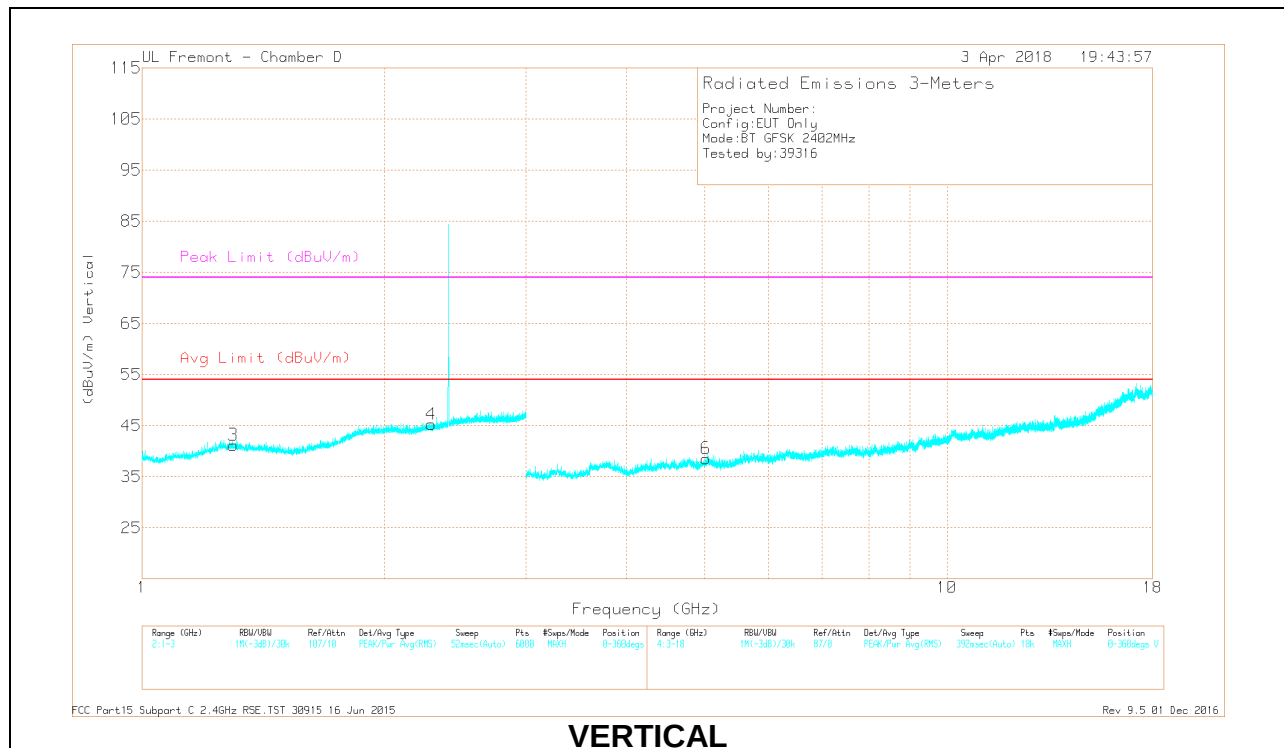
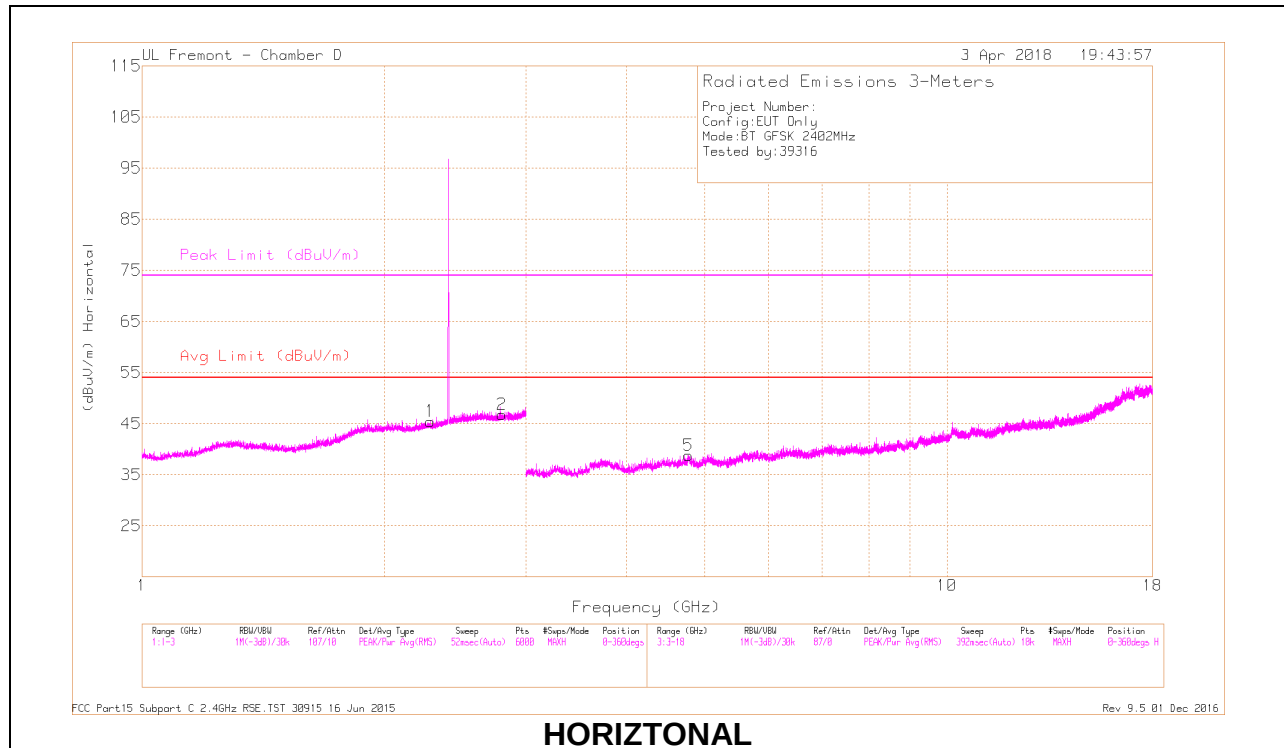
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

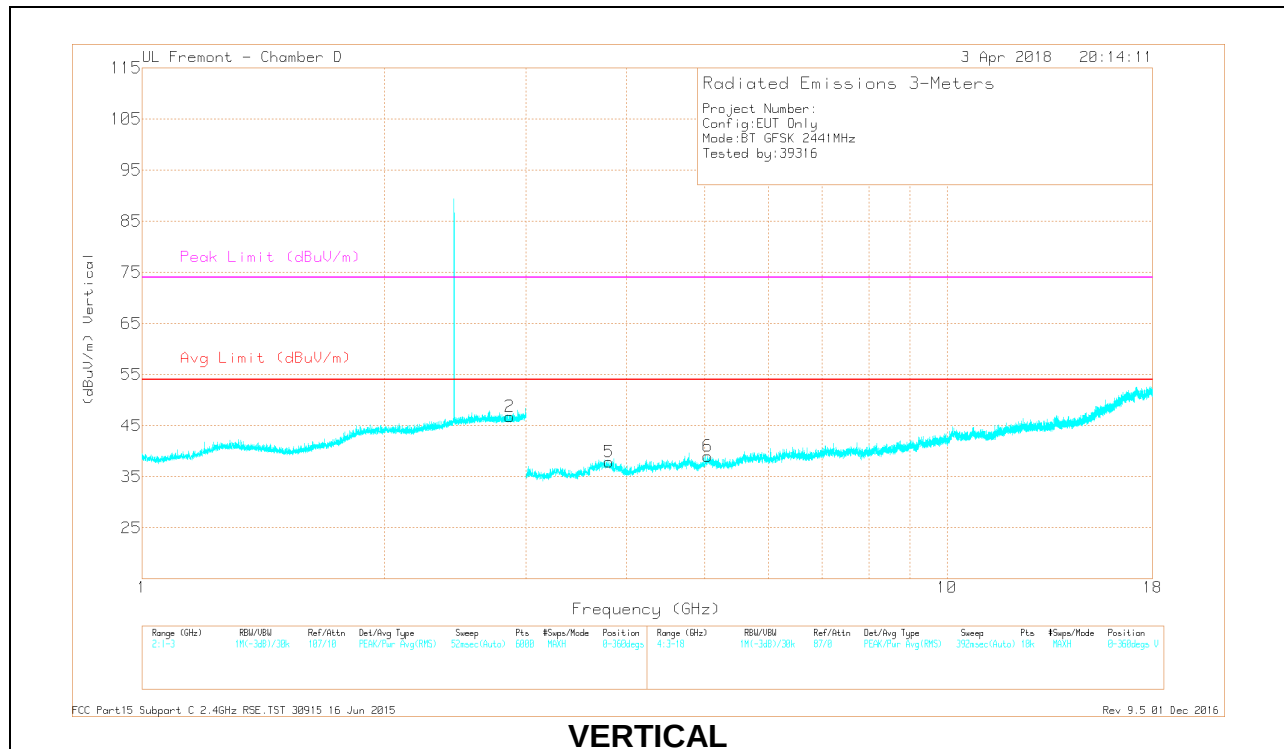
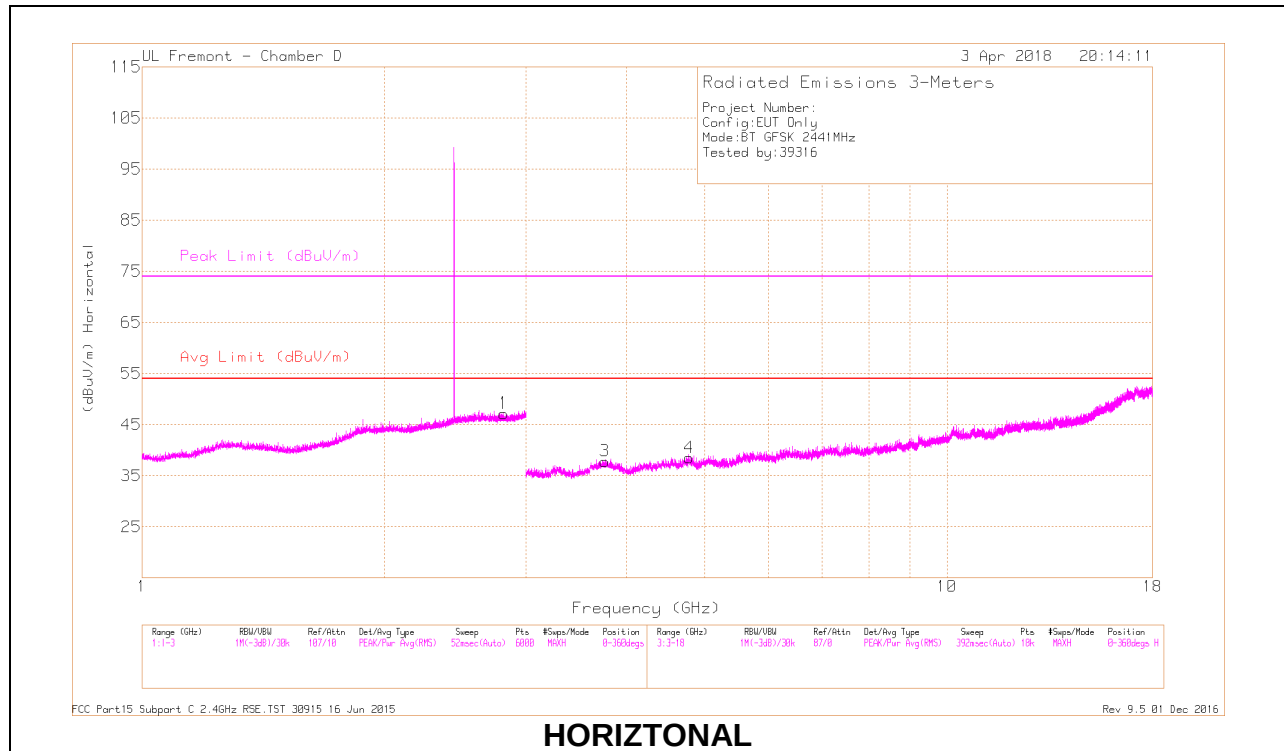
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.281	41.25	PKFH	31.5	-20.7	52.05	-	-	74	-21.95	193	199	H
	* 2.283	28.42	VA1T	31.5	-20.7	39.22	54	-14.78	-	-	193	199	H
2	* 2.798	41.13	PKFH	32.6	-20	53.73	-	-	74	-20.27	147	214	H
	* 2.799	28.24	VA1T	32.6	-20	40.84	54	-13.16	-	-	147	214	H
3	* 1.299	40.48	PKFH	29.3	-22	47.78	-	-	74	-26.22	310	248	V
	* 1.299	28.63	VA1T	29.3	-22	35.93	54	-18.07	-	-	310	248	V
4	* 2.287	40.51	PKFH	31.5	-20.7	51.31	-	-	74	-22.69	329	149	V
	* 2.287	28.43	VA1T	31.5	-20.7	39.23	54	-14.77	-	-	329	149	V
5	* 4.775	37.15	PKFH	34.5	-26.2	45.45	-	-	74	-28.55	277	318	H
	* 4.778	24.93	VA1T	34.5	-26.2	33.23	54	-20.77	-	-	277	318	H
6	* 5.022	36.91	PKFH	34.4	-26.2	45.11	-	-	74	-28.89	74	290	V
	* 5.021	24.02	VA1T	34.4	-26.2	32.22	54	-21.78	-	-	74	290	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

MID CHANNEL RESULTS



RADIATED EMISSIONS

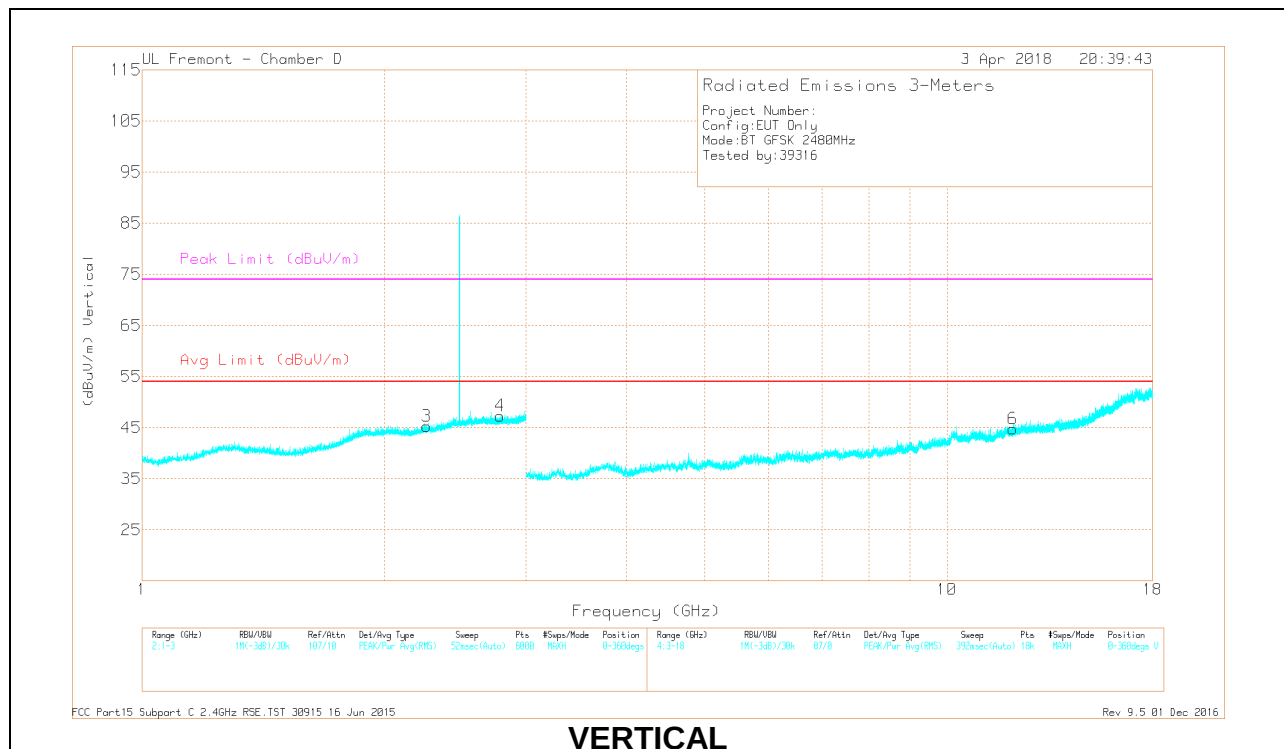
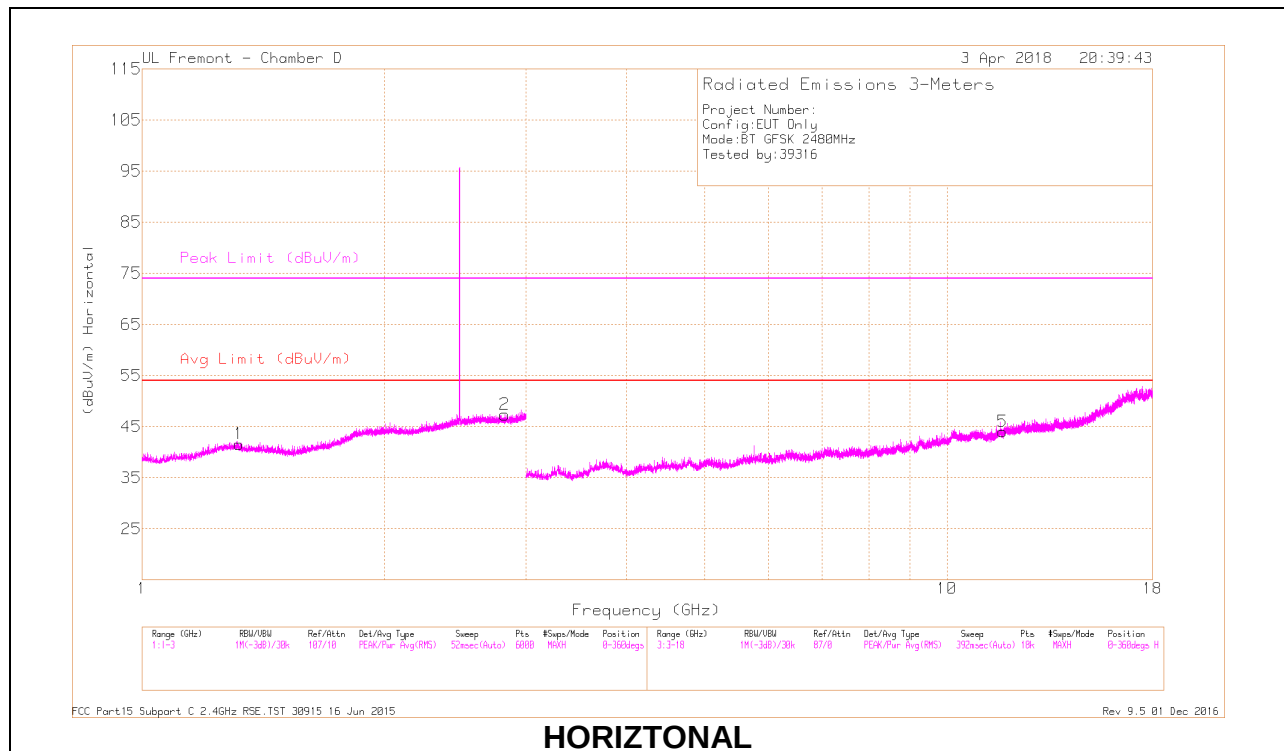
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.816	40.28	PKFH	32.6	-20	52.88	-	-	74	-21.12	104	361	H
	* 2.812	28.25	VA1T	32.6	-20	40.85	54	-13.15	-	-	104	361	H
2	* 2.863	41.05	PKFH	32.5	-19.9	53.65	-	-	74	-20.35	226	400	V
	* 2.864	28.15	VA1T	32.5	-19.9	40.75	54	-13.25	-	-	226	400	V
3	* 3.758	37.3	PKFH	33.5	-27.9	42.9	-	-	74	-31.1	281	174	H
	* 3.758	25.06	VA1T	33.5	-27.9	30.66	54	-23.34	-	-	281	174	H
4	* 4.783	36.58	PKFH	34.5	-26.2	44.88	-	-	74	-29.12	187	213	H
	* 4.785	24.65	VA1T	34.5	-26.2	32.95	54	-21.05	-	-	187	213	H
5	* 3.806	37.5	PKFH	33.7	-28.1	43.1	-	-	74	-30.9	109	303	V
	* 3.802	25.19	VA1T	33.7	-28	30.89	54	-23.11	-	-	109	303	V
6	* 5.041	36.52	PKFH	34.4	-26.2	44.72	-	-	74	-29.28	63	188	V
	* 5.042	24.24	VA1T	34.4	-26.2	32.44	54	-21.56	-	-	63	188	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 1.318	40.26	PKFH	29.1	-21.9	47.46	-	-	74	-26.54	263	103	H
	* 1.318	28.64	VA1T	29.1	-21.9	35.84	54	-18.16	-	-	263	103	H
2	* 2.824	40.81	PKFH	32.6	-20	53.41	-	-	74	-20.59	285	400	H
	* 2.823	28.23	VA1T	32.6	-20	40.83	54	-13.17	-	-	285	400	H
3	* 2.259	40.21	PKFH	31.5	-20.7	51.01	-	-	74	-22.99	78	112	V
	* 2.256	28.46	VA1T	31.5	-20.8	39.16	54	-14.84	-	-	78	112	V
4	* 2.786	41.22	PKFH	32.6	-20.1	53.72	-	-	74	-20.28	226	147	V
	* 2.785	28.28	VA1T	32.6	-20.1	40.78	54	-13.22	-	-	226	147	V
5	* 11.726	32.54	PKFH	38.5	-20.5	50.54	-	-	74	-23.46	189	216	H
	* 11.727	20.45	VA1T	38.5	-20.5	38.45	54	-15.55	-	-	189	216	H
6	* 12.066	33.18	PKFH	38.9	-20.5	51.58	-	-	74	-22.42	89	154	V
	* 12.066	20.83	VA1T	38.9	-20.5	39.23	54	-14.77	-	-	89	154	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

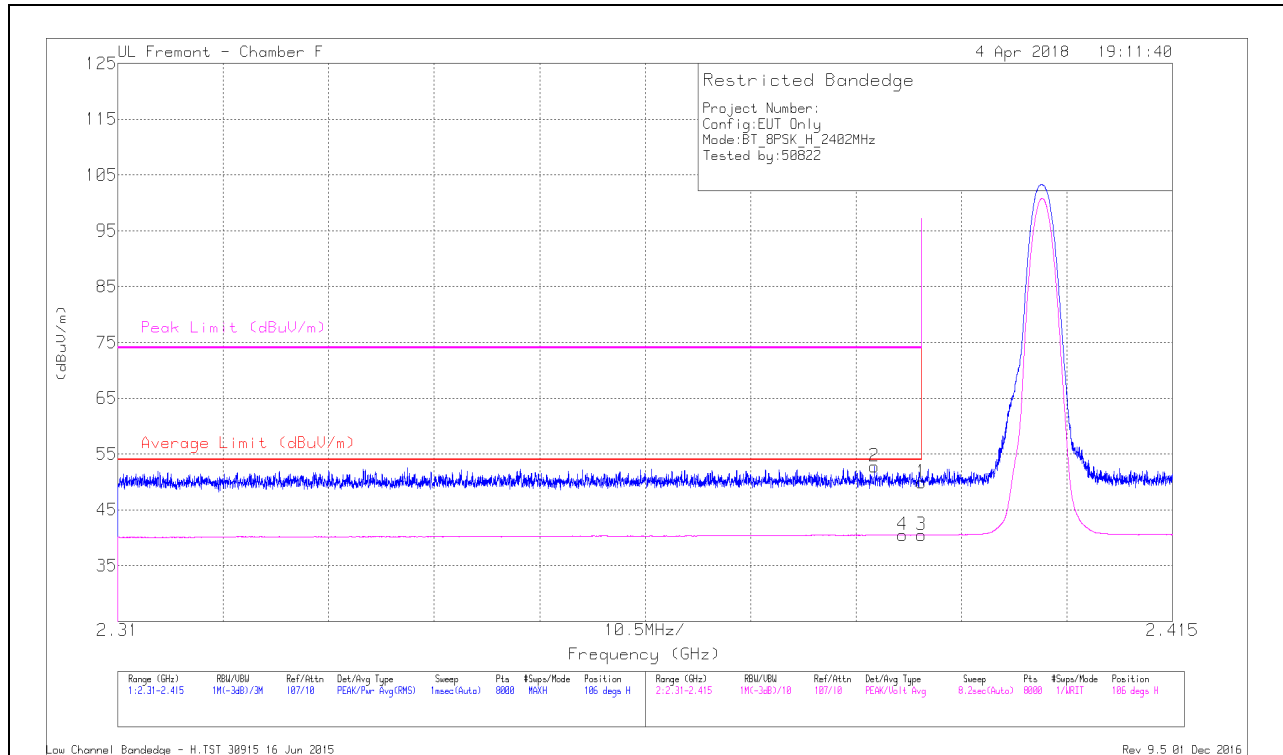
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.4. LOW POWER ENCHANCED DATA RATE 8PSK MODULATION

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



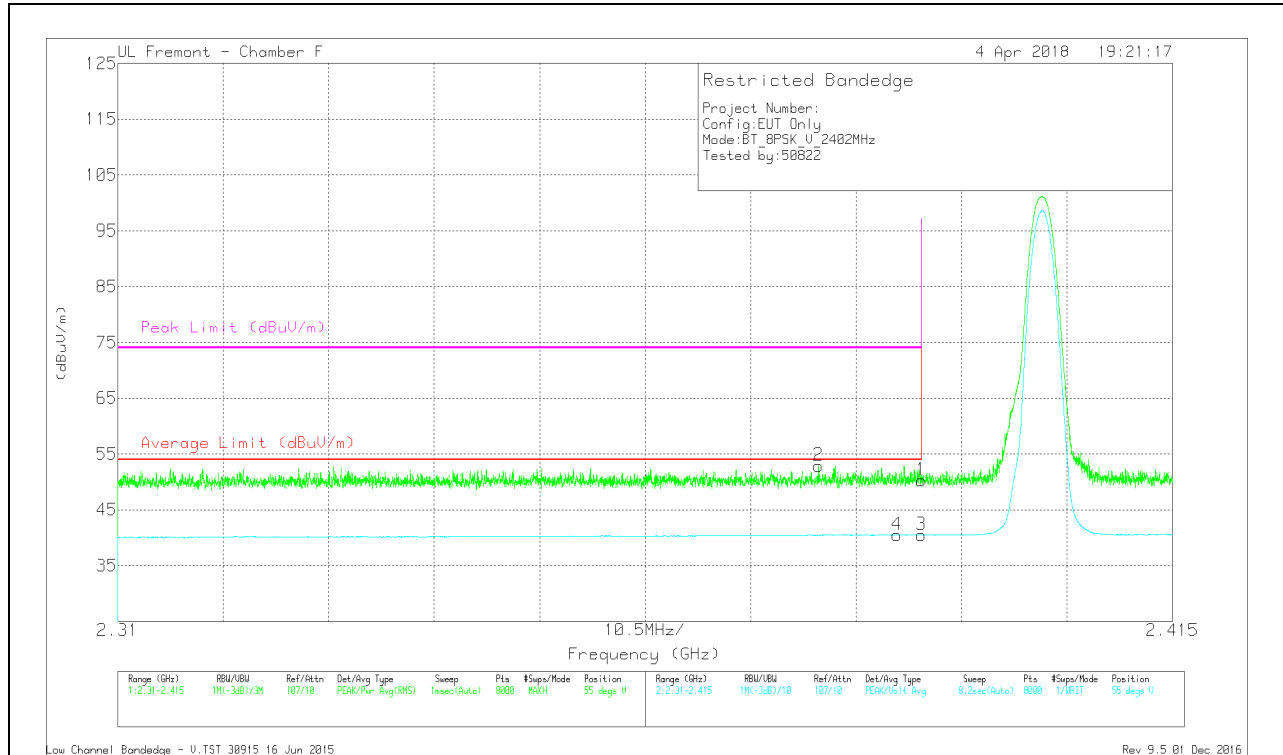
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.63	Pk	31.9	-20.6	49.93	-	-	74	-24.07	106	105	H
2	* 2.385	41.55	Pk	31.8	-20.6	52.75	-	-	74	-21.25	106	105	H
3	* 2.39	29.19	VA1T	31.9	-20.6	40.49	54	-13.51	-	-	106	105	H
4	* 2.388	29.23	VA1T	31.9	-20.6	40.53	54	-13.47	-	-	106	105	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.04	Pk	31.9	-20.6	50.34	-	-	74	-23.66	55	388	V
2	* 2.38	41.73	Pk	31.8	-20.6	52.93	-	-	74	-21.07	55	388	V
3	* 2.39	29.16	VA1T	31.9	-20.6	40.46	54	-13.54	-	-	55	388	V
4	* 2.388	29.21	VA1T	31.9	-20.6	40.51	54	-13.49	-	-	55	388	V

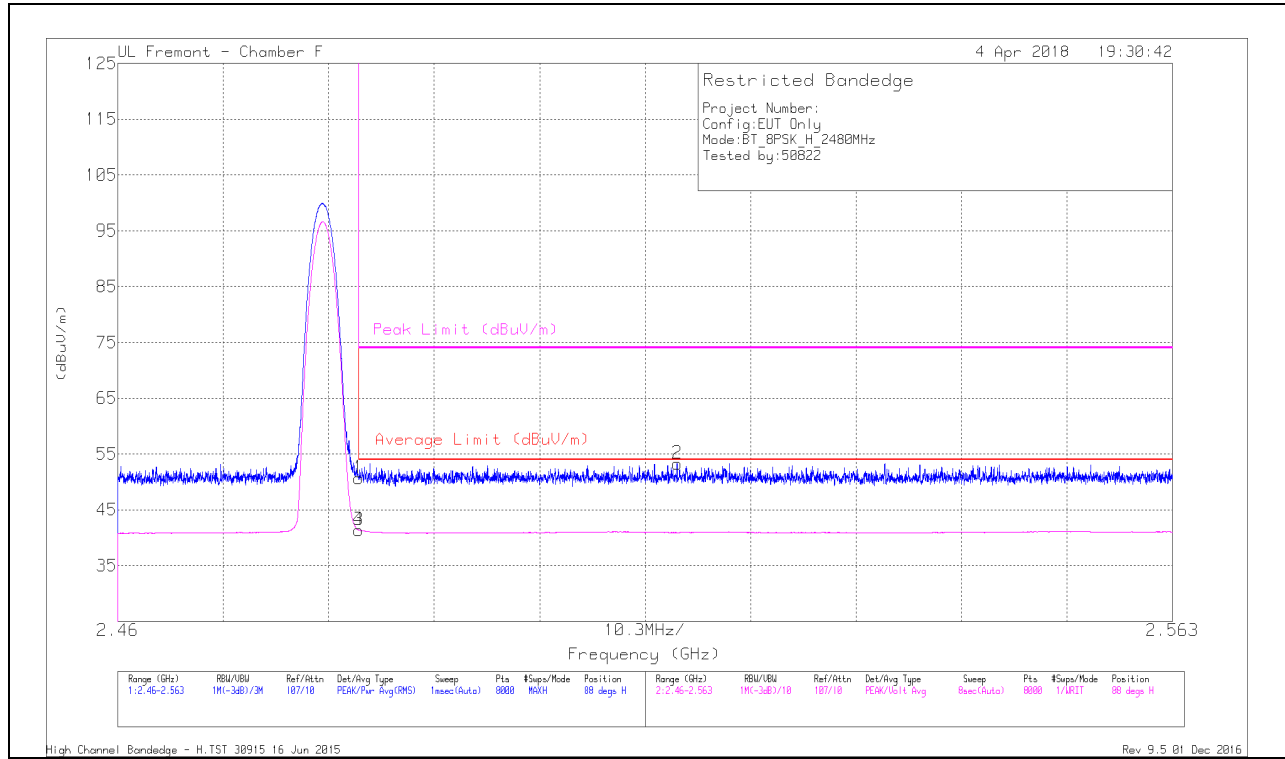
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



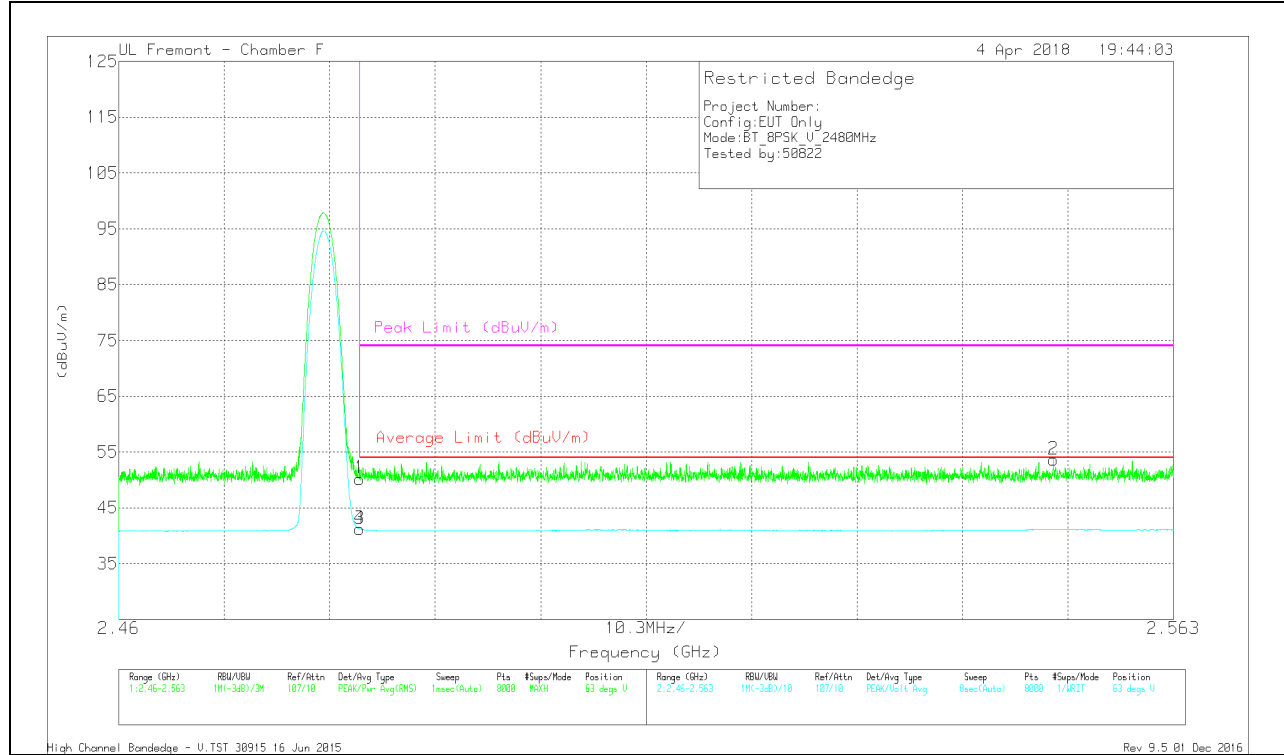
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.32	Pk	32.1	-20.7	50.72	-	-	74	-23.28	88	126	H
2	2.515	41.82	Pk	32.2	-20.7	53.32	-	-	74	-20.68	88	126	H
3	* 2.484	30	VA1T	32.1	-20.7	41.4	54	-12.6	-	-	88	126	H
4	* 2.484	30	VA1T	32.1	-20.7	41.4	54	-12.6	-	-	88	126	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Ampl/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	* 2.484	38.83	Pk	32.1	-20.7	50.23	-	-	74	-23.77	63	368	V
2	2.551	41.92	Pk	32.2	-20.5	53.62	-	-	74	-20.38	63	368	V
3	* 2.484	29.81	VA1T	32.1	-20.7	41.21	54	-12.79	-	-	63	368	V
4	* 2.484	29.81	VA1T	32.1	-20.7	41.21	54	-12.79	-	-	63	368	V

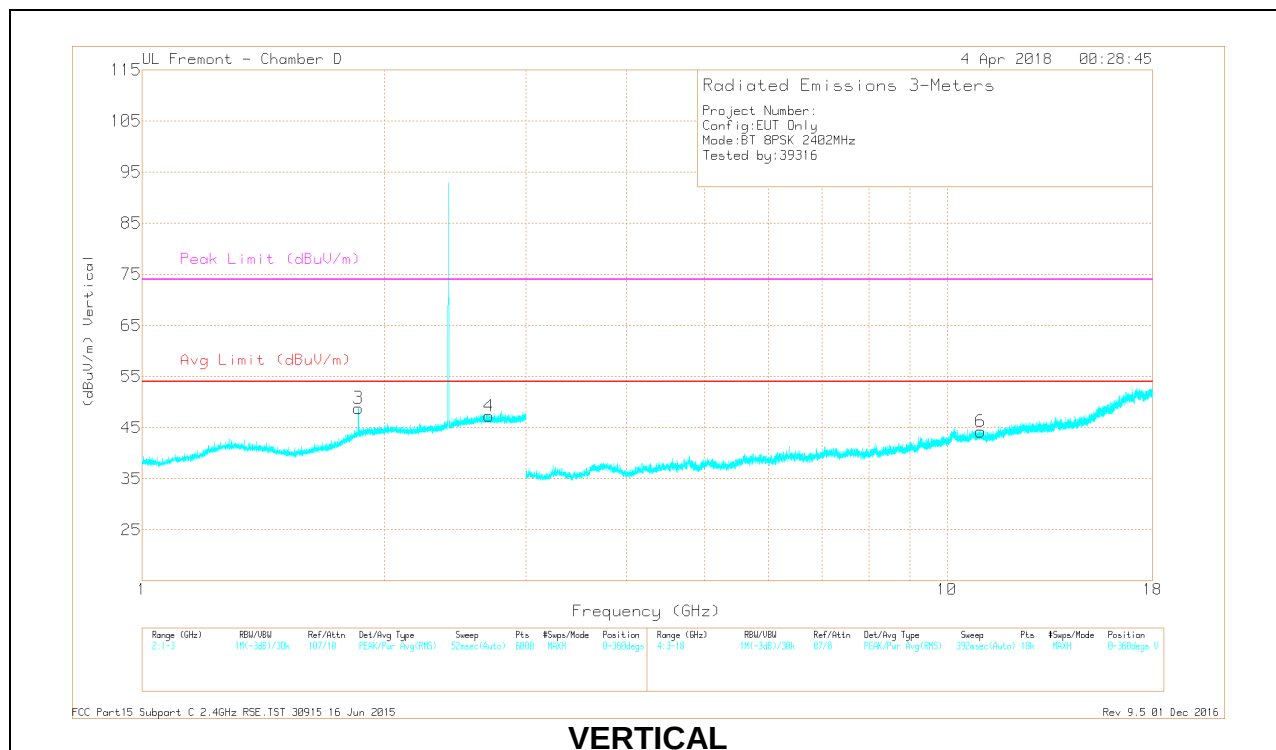
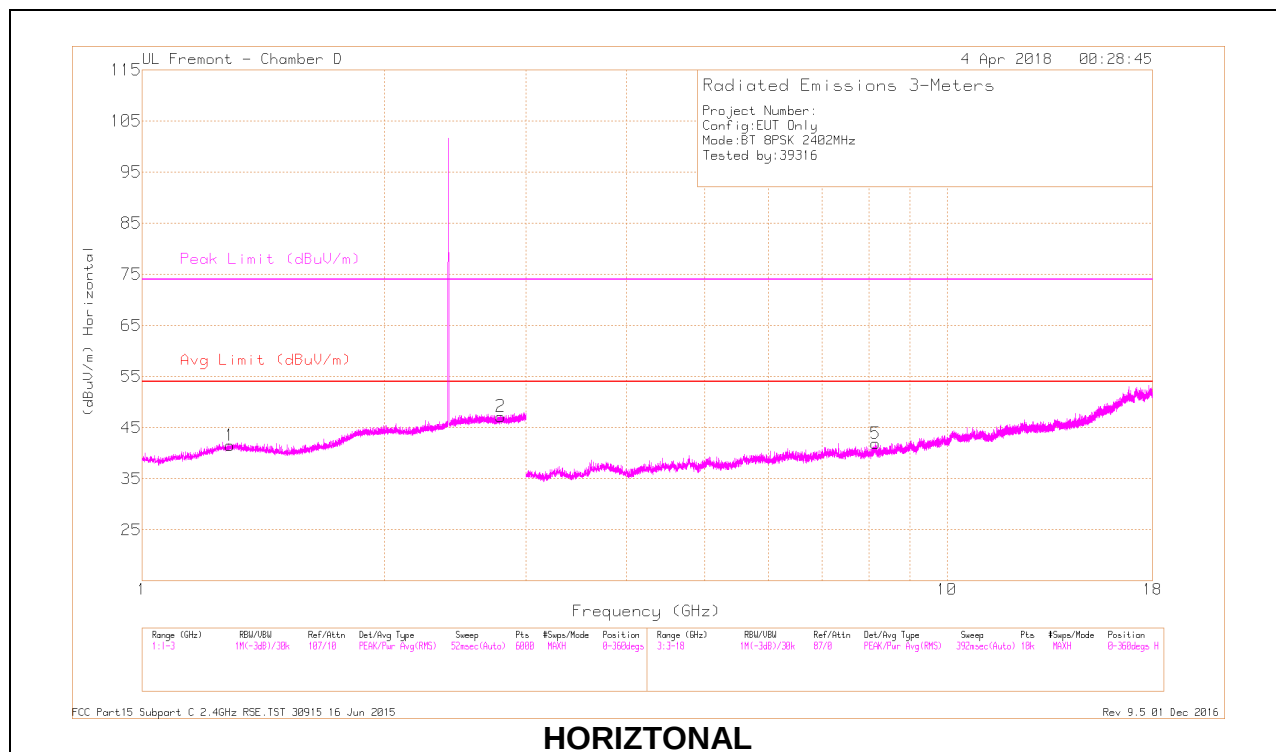
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

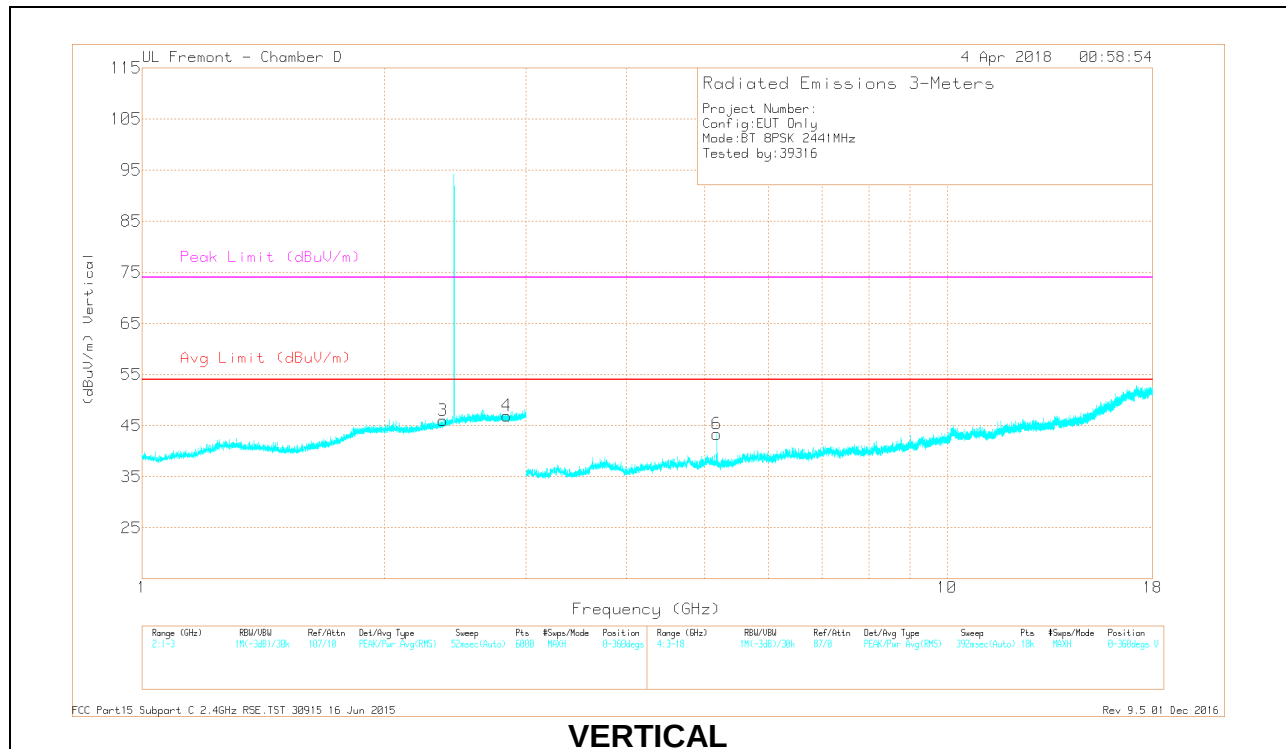
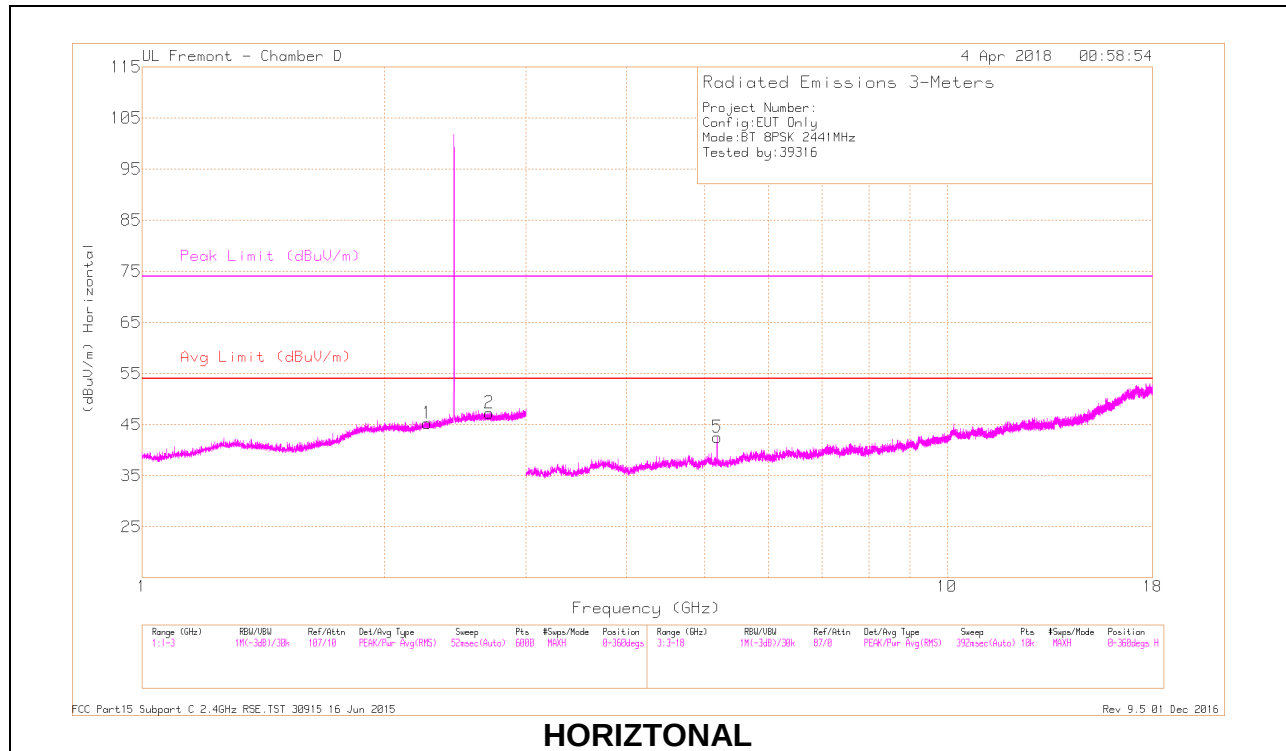
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.285	40.65	PKFH	29.2	-22.1	47.75	-	-	74	-26.25	100	193	H
	* 1.285	28.64	VA1T	29.2	-22.1	35.74	54	-18.26	-	-	100	193	H
2	* 2.789	39.86	PKFH	32.6	-20	52.46	-	-	74	-21.54	320	183	H
	* 2.789	28.3	VA1T	32.6	-20	40.9	54	-13.1	-	-	320	183	H
4	* 2.699	39.81	PKFH	32.6	-20.2	52.21	-	-	74	-21.79	97	246	V
	* 2.697	28.41	VA1T	32.6	-20.2	40.81	54	-13.19	-	-	97	246	V
5	* 8.157	33.68	PKFH	35.8	-22.7	46.78	-	-	74	-27.22	47	218	H
	* 8.158	22.04	VA1T	35.8	-22.7	35.14	54	-18.86	-	-	47	218	H
6	* 11.007	32.22	PKFH	37.8	-20	50.02	-	-	74	-23.98	217	364	V
	* 11.008	20.61	VA1T	37.8	-20	38.41	54	-15.59	-	-	217	364	V
3	1.857	40.59	PKFH	31.3	-21.2	50.69	-	-	-	-	140	359	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

MID CHANNEL RESULTS



RADIATED EMISSIONS

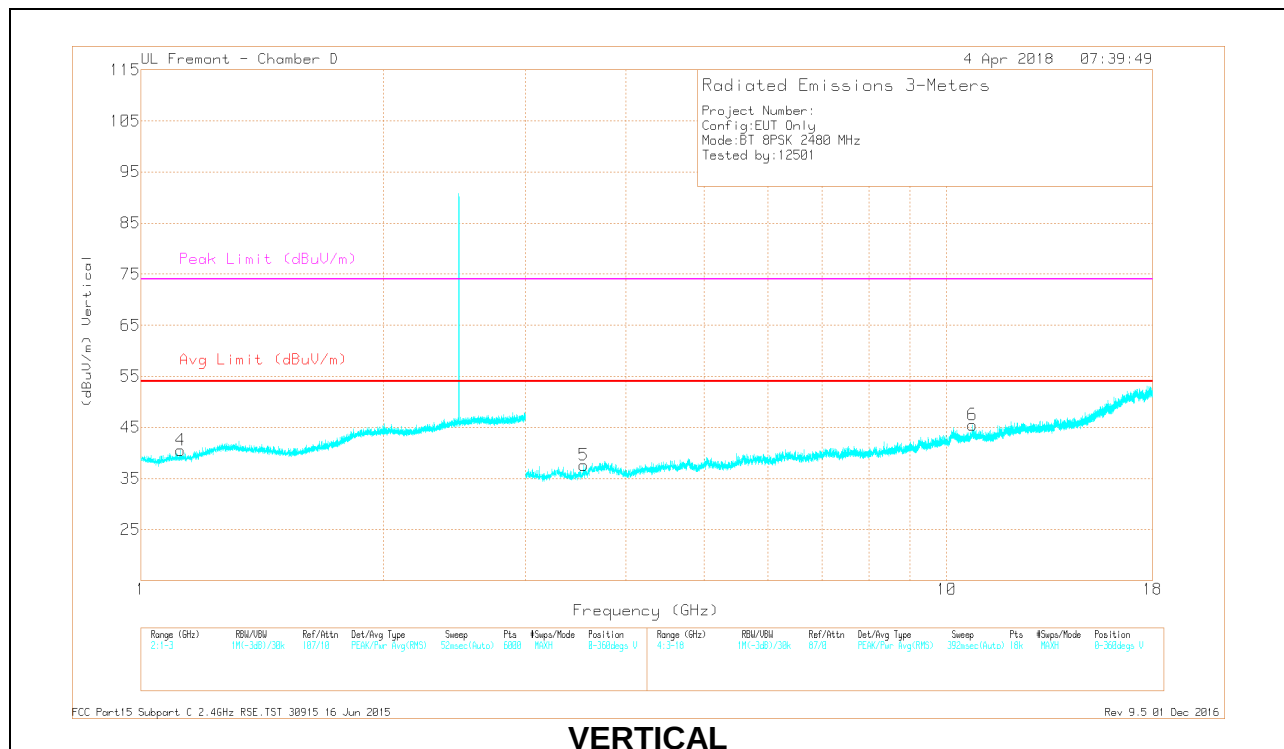
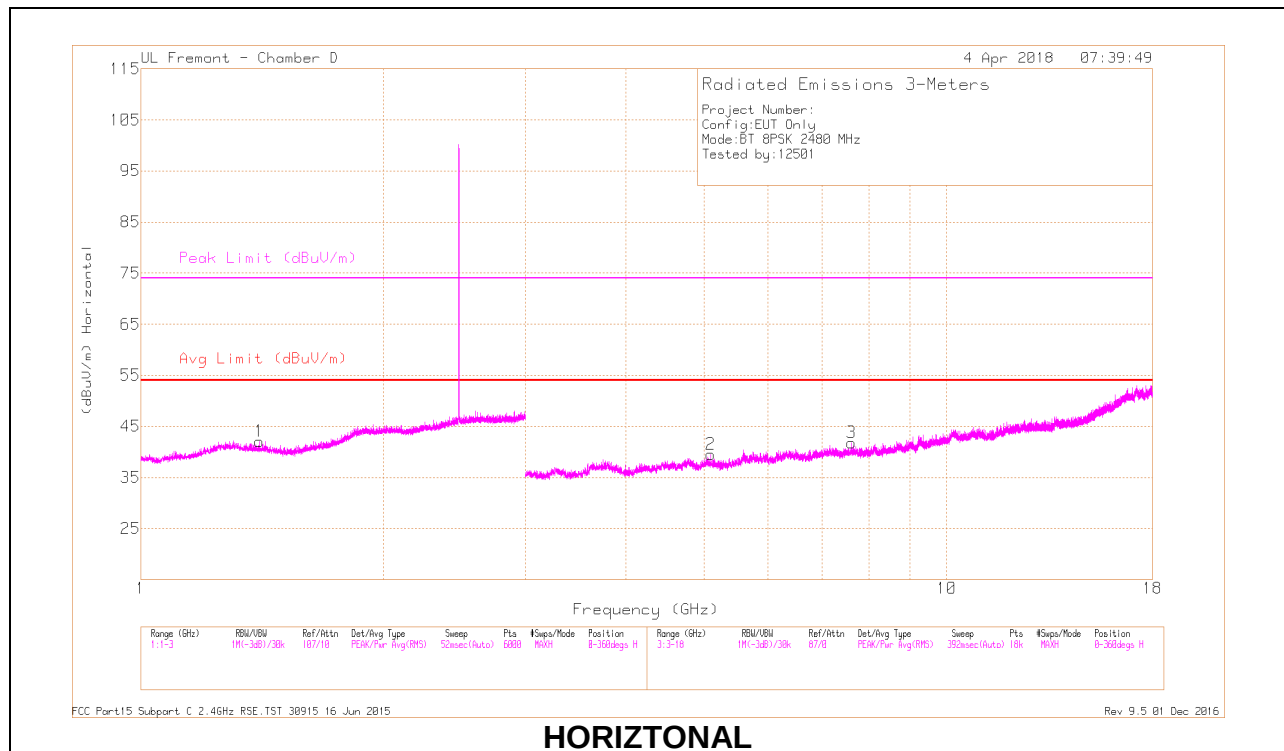
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.261	40.21	PKFH	31.5	-20.7	51.01	-	-	74	-22.99	318	128	H
	* 2.262	28.49	VA1T	31.5	-20.7	39.29	54	-14.71	-	-	318	128	H
2	* 2.697	40.59	PKFH	32.6	-20.3	52.89	-	-	74	-21.11	285	164	H
	* 2.698	28.46	VA1T	32.6	-20.2	40.86	54	-13.14	-	-	285	164	H
3	* 2.368	40.87	PKFH	31.7	-20.6	51.97	-	-	74	-22.03	143	332	V
	* 2.365	28.54	VA1T	31.7	-20.5	39.74	54	-14.26	-	-	143	332	V
4	* 2.836	39.96	PKFH	32.6	-19.9	52.66	-	-	74	-21.34	316	231	V
	* 2.839	28.29	VA1T	32.6	-20	40.89	54	-13.11	-	-	316	231	V
6	5.171	38.05	PKFH	34.7	-27.8	44.95	-	-	-	-	218	183	V
5	5.186	37.02	PKFH	34.7	-27.7	44.02	-	-	-	-	357	395	H

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.404	40.71	PKFH	28.8	-21.8	47.71	-	-	74	-26.29	355	149	H
	* 1.401	28.53	VA1T	28.8	-21.8	35.53	54	-18.47	-	-	355	149	H
4	* 1.121	40.34	PKFH	27.4	-22.2	45.54	-	-	74	-28.46	16	132	V
	* 1.122	28.8	VA1T	27.4	-22.2	34	54	-20	-	-	16	132	V
2	* 5.094	36.16	PKFH	34.5	-26.6	44.06	-	-	74	-29.94	291	351	H
	* 5.095	24.41	VA1T	34.6	-26.6	32.41	54	-21.59	-	-	291	351	H
3	* 7.614	34.39	PKFH	36.3	-24.3	46.39	-	-	74	-27.61	291	110	H
	* 7.611	22.79	VA1T	36.3	-24.3	34.79	54	-19.21	-	-	291	110	H
5	* 3.546	37.22	PKFH	33.4	-27.9	42.72	-	-	74	-31.28	33	119	V
	* 3.544	25.63	VA1T	33.4	-27.9	31.13	54	-22.87	-	-	33	119	V
6	* 10.768	32.38	PKFH	37.7	-19.4	50.68	-	-	74	-23.32	29	301	V
	* 10.768	20.41	VA1T	37.7	-19.4	38.71	54	-15.29	-	-	29	301	V

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

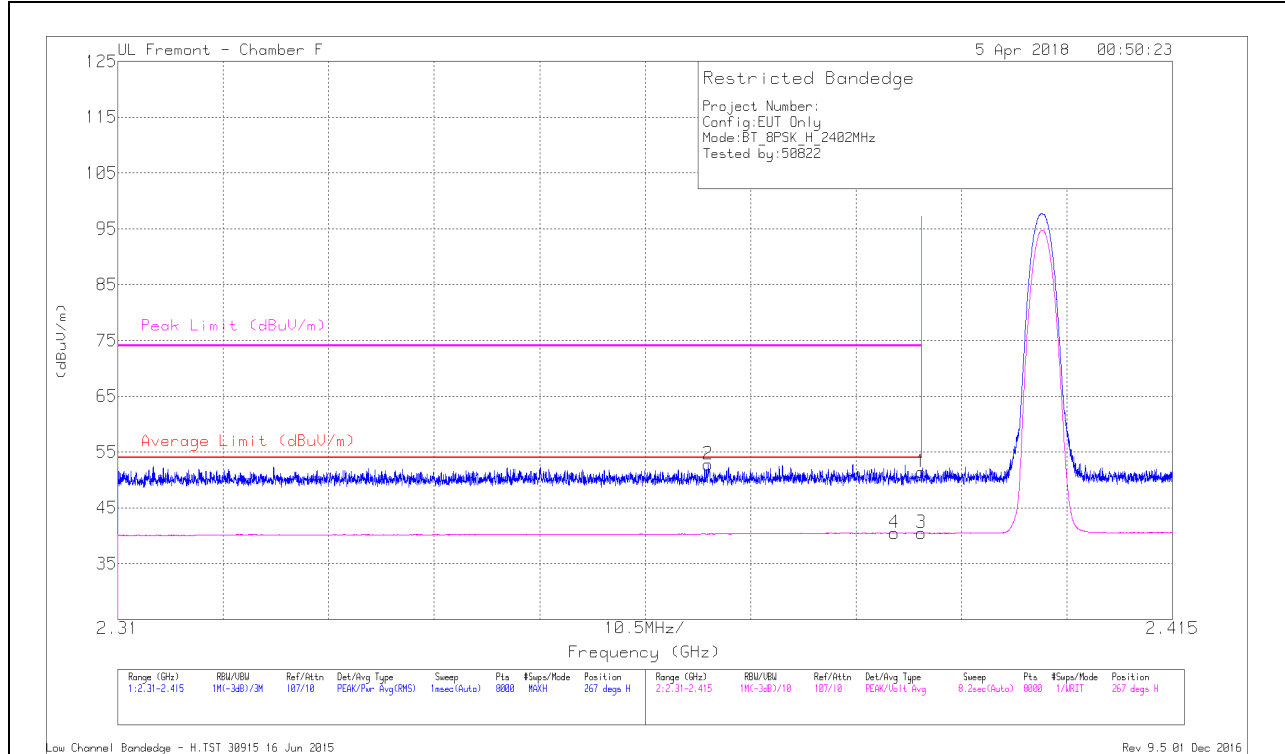
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



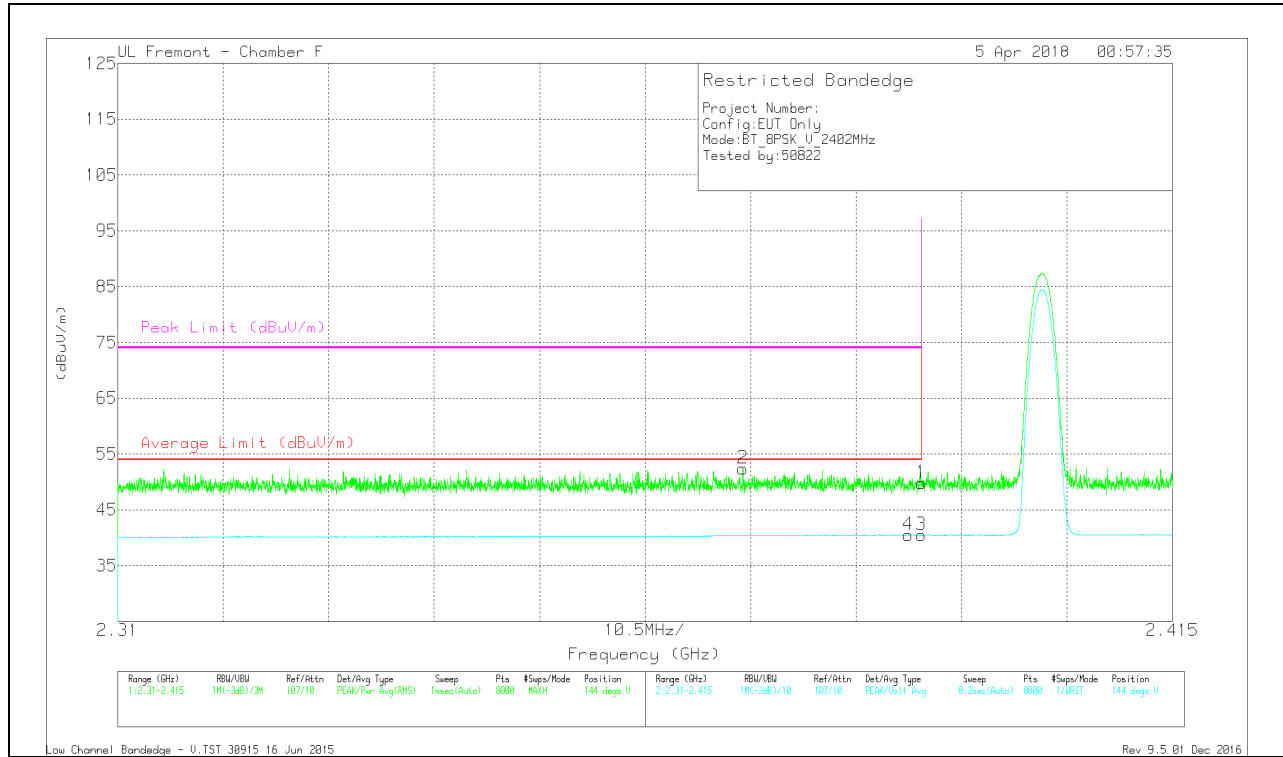
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.13	Pk	31.9	-20.6	51.43	-	-	74	-22.57	267	178	H
2	* 2.369	41.61	Pk	31.8	-20.6	52.81	-	-	74	-21.19	267	178	H
3	* 2.39	29.13	VA1T	31.9	-20.6	40.43	54	-13.57	-	-	267	178	H
4	* 2.387	29.19	VA1T	31.9	-20.6	40.49	54	-13.51	-	-	267	178	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.53	Pk	31.9	-20.6	49.83	-	-	74	-24.17	144	304	V
2	* 2.372	41.22	Pk	31.8	-20.6	52.42	-	-	74	-21.58	144	304	V
3	* 2.39	29.13	VA1T	31.9	-20.6	40.43	54	-13.57	-	-	144	304	V
4	* 2.389	29.18	VA1T	31.9	-20.6	40.48	54	-13.52	-	-	144	304	V

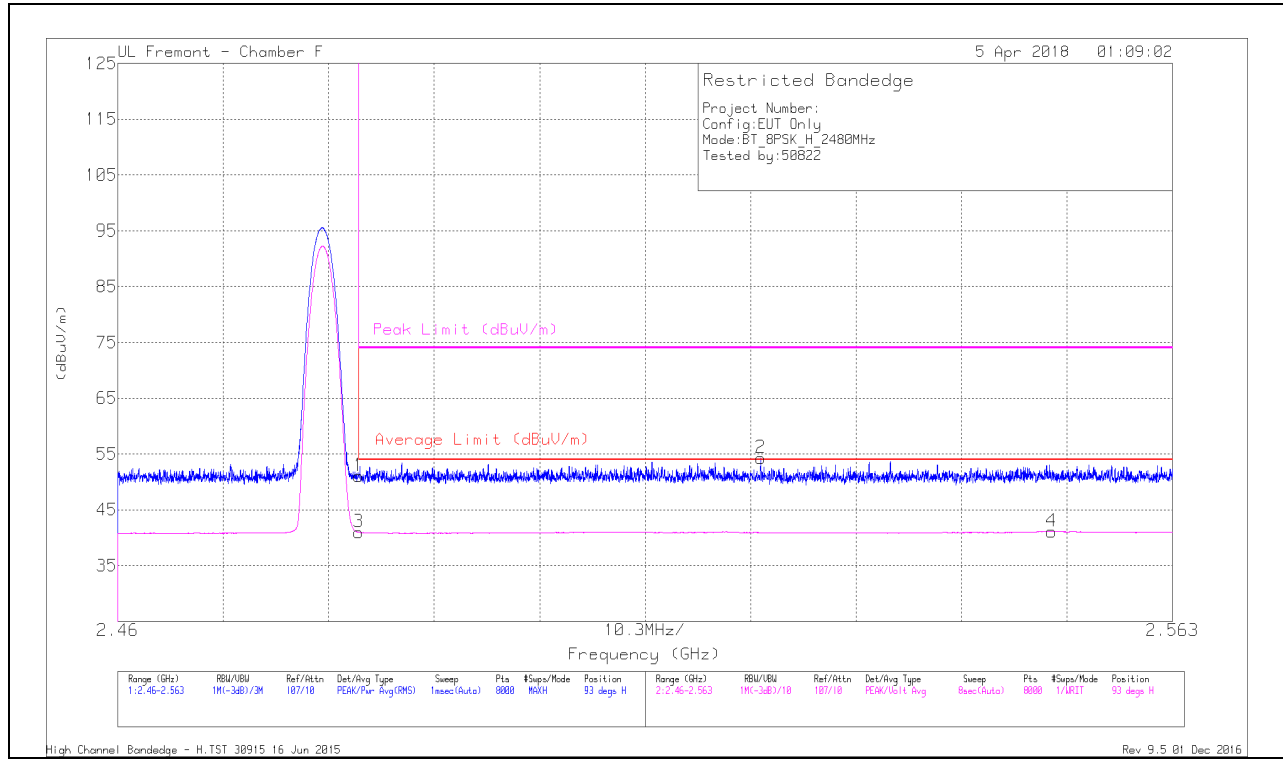
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



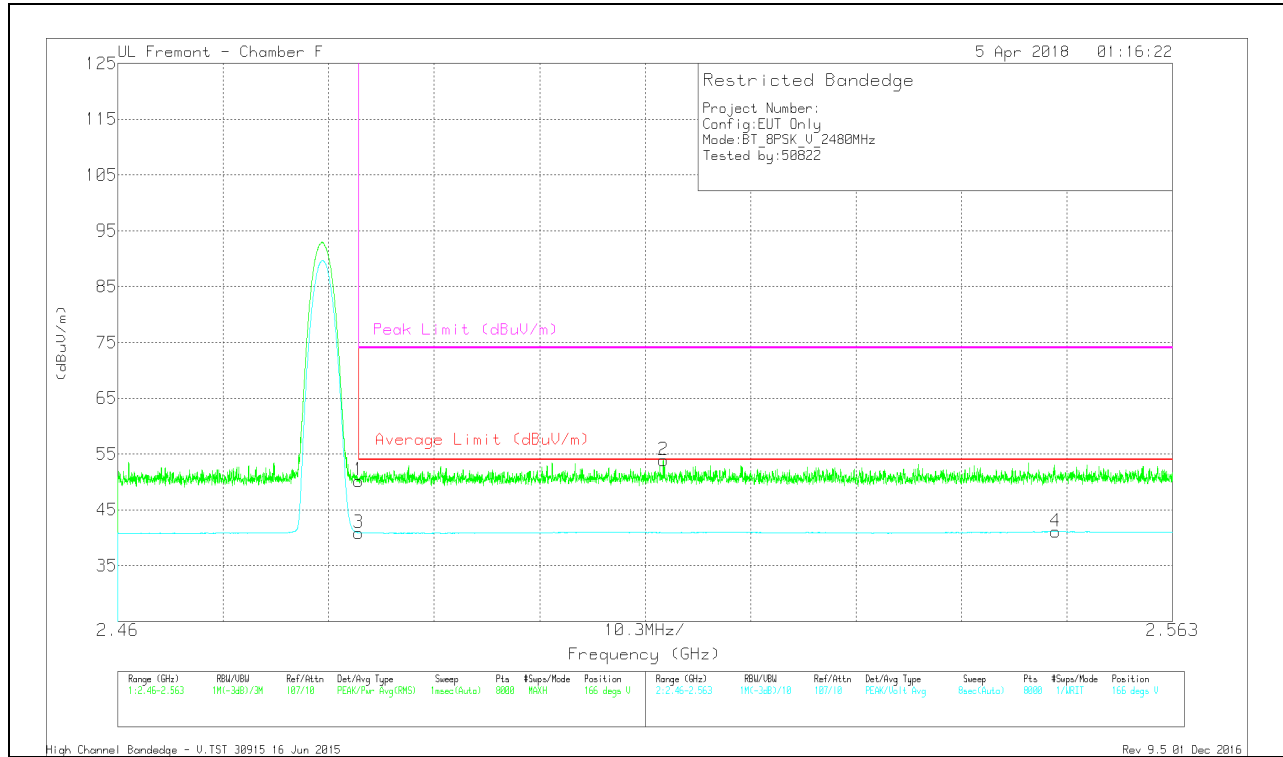
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.65	Pk	32.1	-20.7	51.05	-	-	74	-22.95	93	119	H
2	2.523	42.72	Pk	32.2	-20.7	54.22	-	-	74	-19.78	93	119	H
3	* 2.484	29.6	VA1T	32.1	-20.7	41	54	-13.00	-	-	93	119	H
4	2.551	29.41	VA1T	32.2	-20.5	41.11	54	12.89	-	-	93	119	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Ampl/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	* 2.484	38.83	Pk	32.1	-20.7	50.23	-	-	74	-23.77	166	362	V
2	2.513	42.44	Pk	32.2	-20.7	53.94	-	-	74	-20.06	166	362	V
3	* 2.484	29.46	VA1T	32.1	-20.7	40.86	54	-13.14	-	-	166	362	V
4	2.552	29.41	VA1T	32.2	-20.5	41.11	54	-12.89	-	-	166	362	V

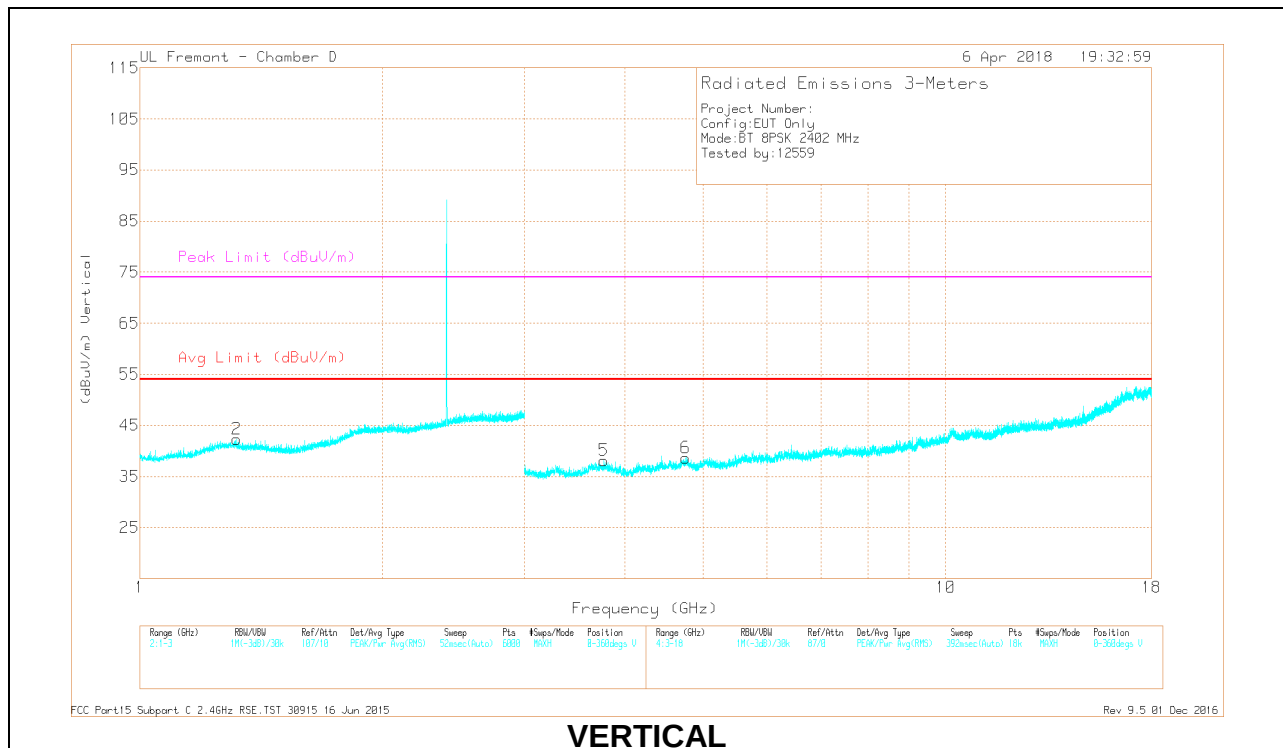
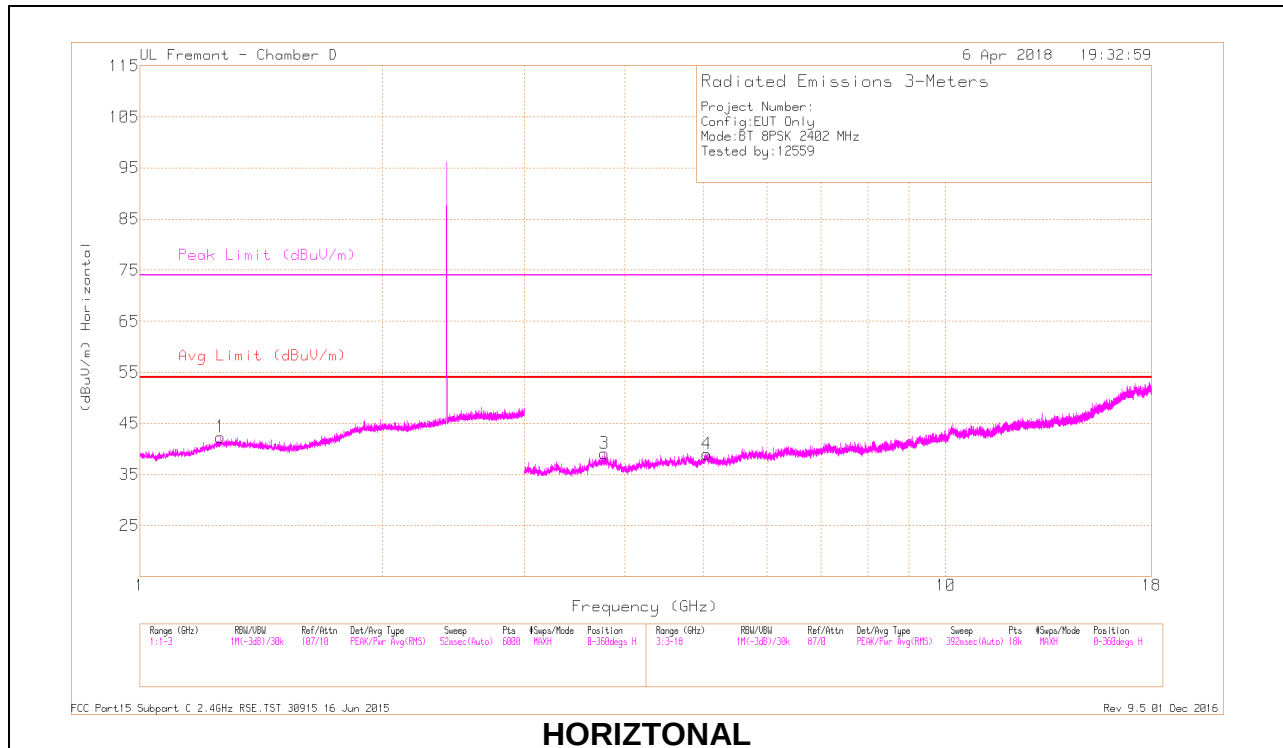
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

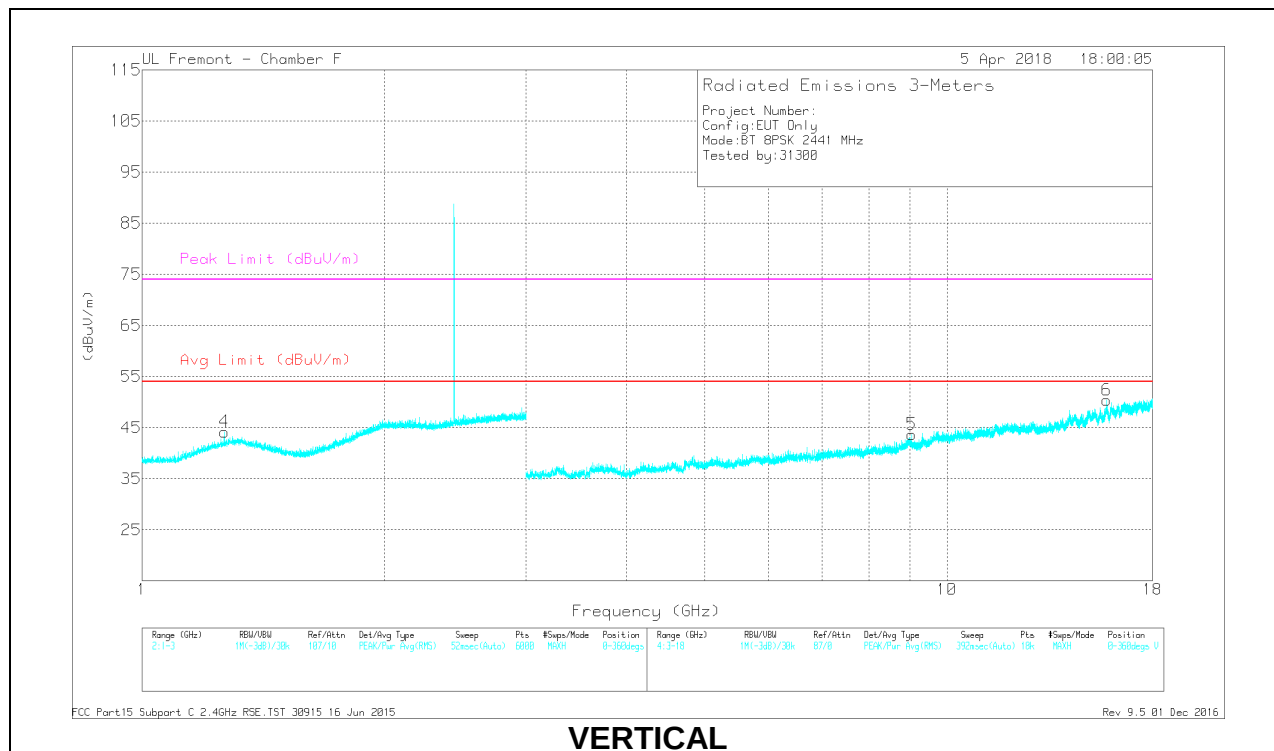
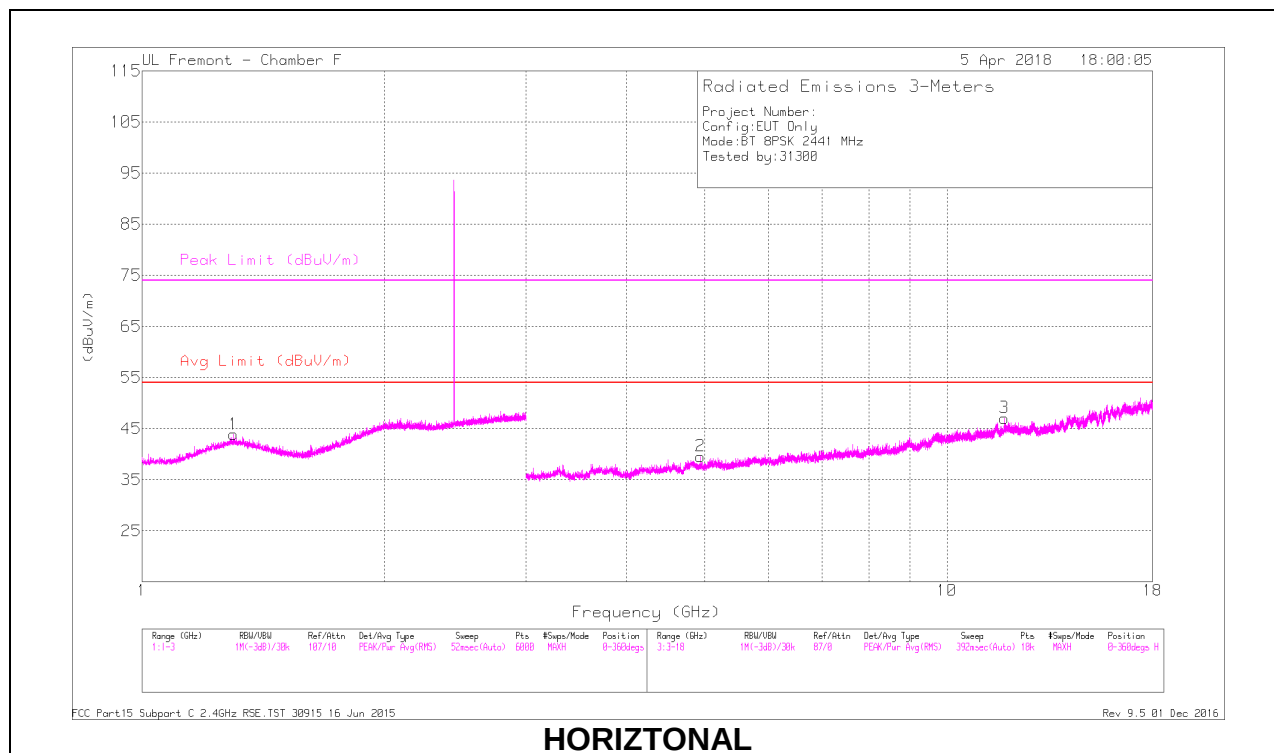
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.258	41.04	PKFH	29.1	-22.1	48.04	-	-	74	-25.96	255	341	H
	* 1.259	28.8	VA1T	29.1	-22.1	35.8	54	-18.2	-	-	255	341	H
2	* 1.32	40.91	PKFH	29.1	-21.9	48.11	-	-	74	-25.89	183	337	V
	* 1.317	28.7	VA1T	29.2	-21.9	36	54	-18	-	-	183	337	V
3	* 3.768	36.32	PKFH	33.5	-27.9	41.92	-	-	74	-32.08	312	298	H
	* 3.77	25.04	VA1T	33.5	-27.9	30.64	54	-23.36	-	-	312	298	H
4	* 5.053	36.28	PKFH	34.5	-26.2	44.58	-	-	74	-29.42	4	158	H
	* 5.053	24.24	VA1T	34.5	-26.2	32.54	54	-21.46	-	-	4	158	H
5	* 3.763	36.18	PKFH	33.5	-27.9	41.78	-	-	74	-32.22	192	140	V
	* 3.766	24.96	VA1T	33.5	-27.9	30.56	54	-23.44	-	-	192	140	V
6	* 4.759	36.23	PKFH	34.6	-26.3	44.53	-	-	74	-29.47	211	162	V
	* 4.757	24.66	VA1T	34.6	-26.2	33.06	54	-20.94	-	-	211	162	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

MID CHANNEL RESULTS



RADIATED EMISSIONS

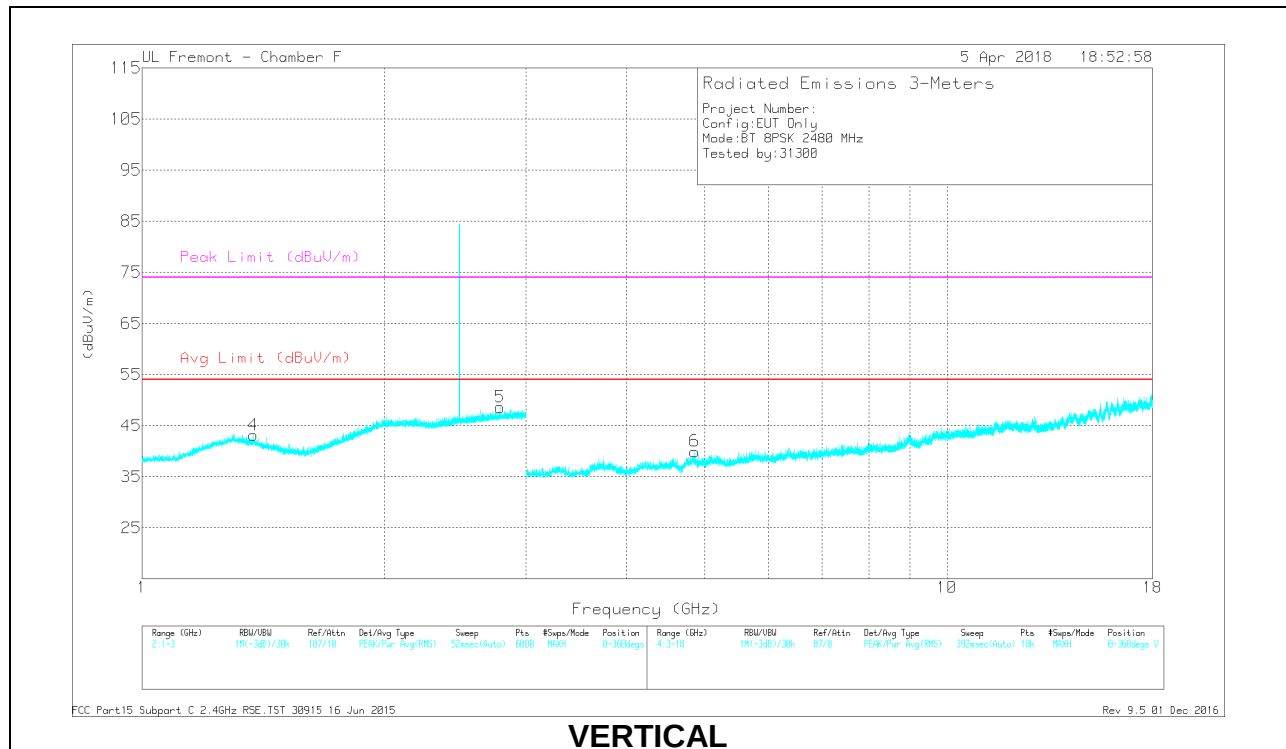
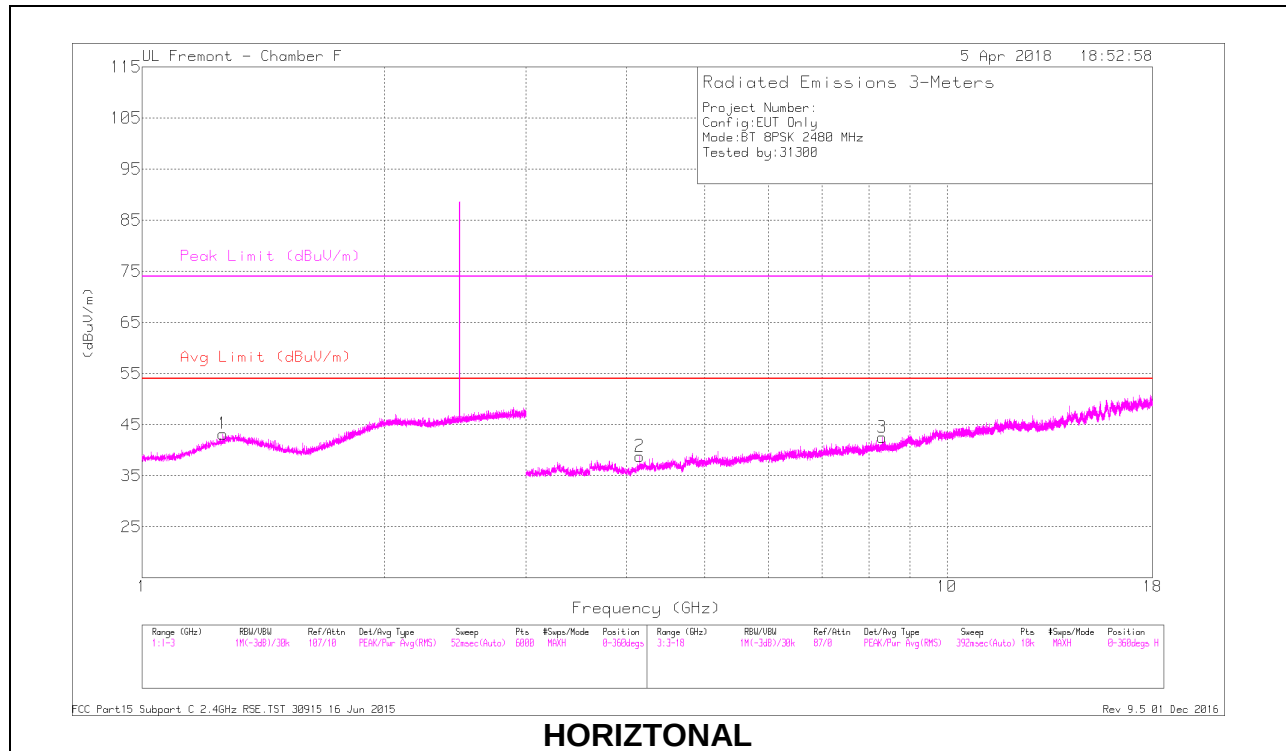
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.301	41.27	PKFH	30.1	-21.9	49.47	-	-	74	-24.53	123	353	H
	* 1.301	28.93	VA1T	30.1	-21.9	37.13	54	-16.87	-	-	123	353	H
4	* 1.266	40.23	PKFH	29.7	-22	47.93	-	-	74	-26.07	234	204	V
	* 1.268	29.05	VA1T	29.7	-22	36.75	54	-17.25	-	-	234	204	V
2	* 4.943	37.63	PKFH	34.2	-28	43.83	-	-	74	-30.17	11	184	H
	* 4.941	25.76	VA1T	34.2	-27.9	32.06	54	-21.94	-	-	11	184	H
3	* 11.791	34.86	PKFH	39	-21.6	52.26	-	-	74	-21.74	93	265	H
	* 11.79	22.44	VA1T	39	-21.6	39.84	54	-14.16	-	-	93	265	H
5	* 9.047	34.85	PKFH	36.5	-22.2	49.15	-	-	74	-24.85	10	354	V
	* 9.045	22.31	VA1T	36.5	-22.2	36.61	54	-17.39	-	-	10	354	V
6	* 15.796	34.65	PKFH	42.2	-21.7	55.15	-	-	74	-18.85	81	143	V
	* 15.793	23.1	VA1T	42.2	-21.7	43.6	54	-10.4	-	-	81	143	V

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

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.259	40.85	PKFH	29.6	-22	48.45	-	-	74	-25.55	260	104	H
	* 1.263	28.96	VA1T	29.6	-22	36.56	54	-17.44	-	-	260	104	H
4	* 1.375	40.74	PKFH	29.3	-21.8	48.24	-	-	74	-25.76	49	129	V
	* 1.376	28.93	VA1T	29.3	-21.8	36.43	54	-17.57	-	-	49	129	V
5	* 2.784	42.86	PKFH	32.7	-20.3	55.26	-	-	74	-18.74	51	122	V
	* 2.784	28.79	VA1T	32.7	-20.3	41.19	54	-12.81	-	-	51	122	V
2	* 4.15	37.85	PKFH	33.5	-28.4	42.95	-	-	74	-31.05	282	158	H
	* 4.148	26.07	VA1T	33.5	-28.3	31.27	54	-22.73	-	-	282	158	H
3	* 8.312	35.55	PKFH	36	-24.4	47.15	-	-	74	-26.85	357	321	H
	* 8.313	23.5	VA1T	36	-24.4	35.1	54	-18.9	-	-	357	321	H
6	* 4.861	37.46	PKFH	34.2	-27.3	44.36	-	-	74	-29.64	24	389	V
	* 4.858	25.52	VA1T	34.2	-27.4	32.32	54	-21.68	-	-	24	389	V

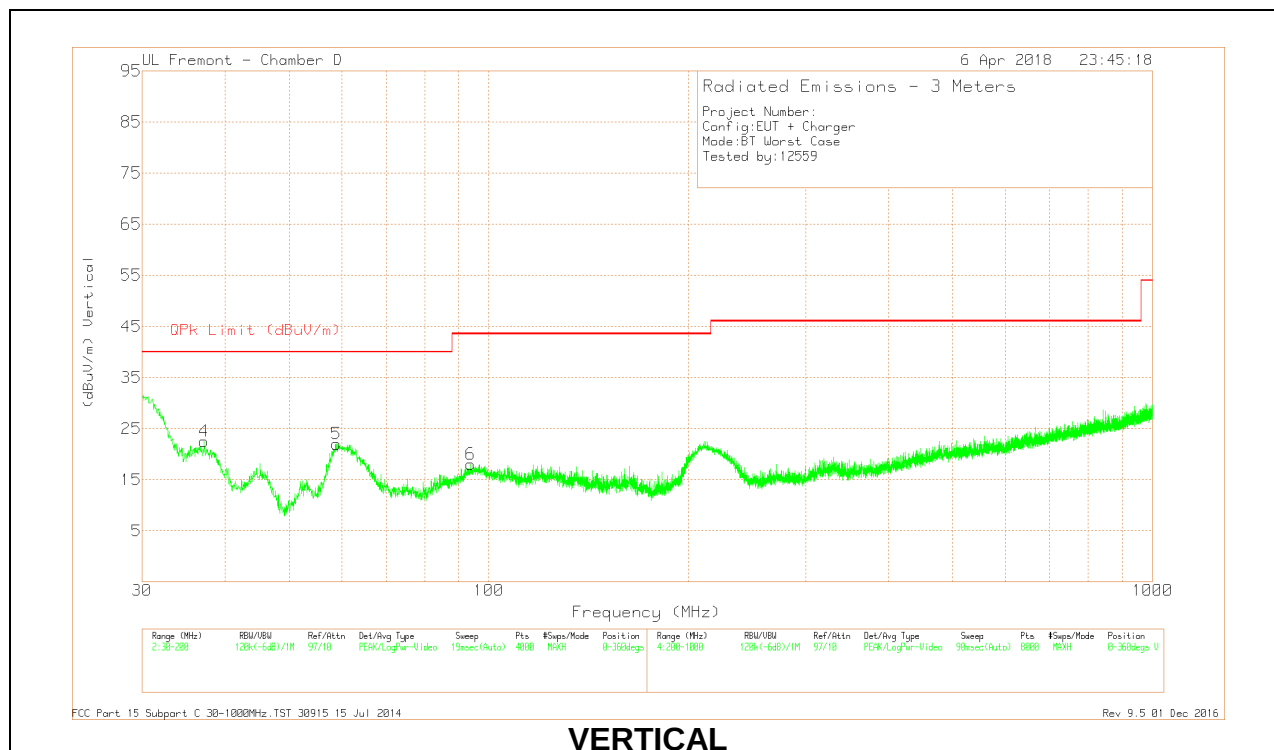
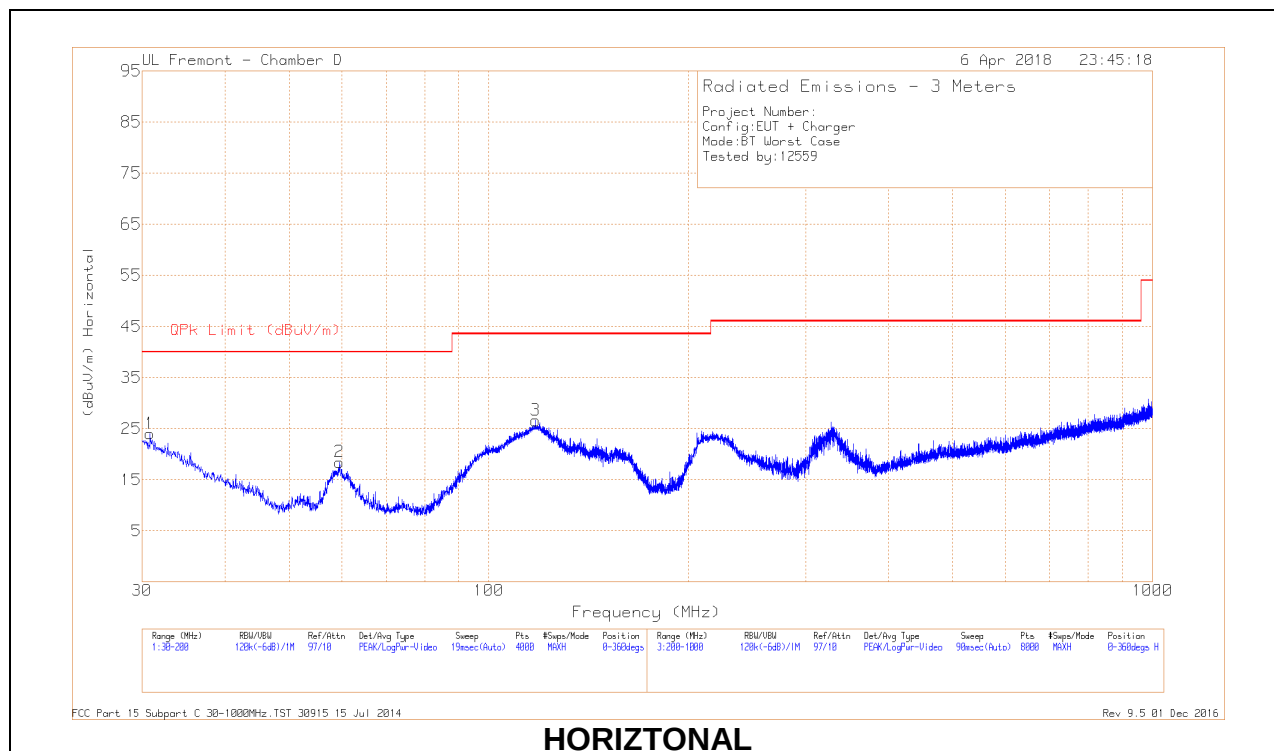
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.2. Worst Case Below 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)

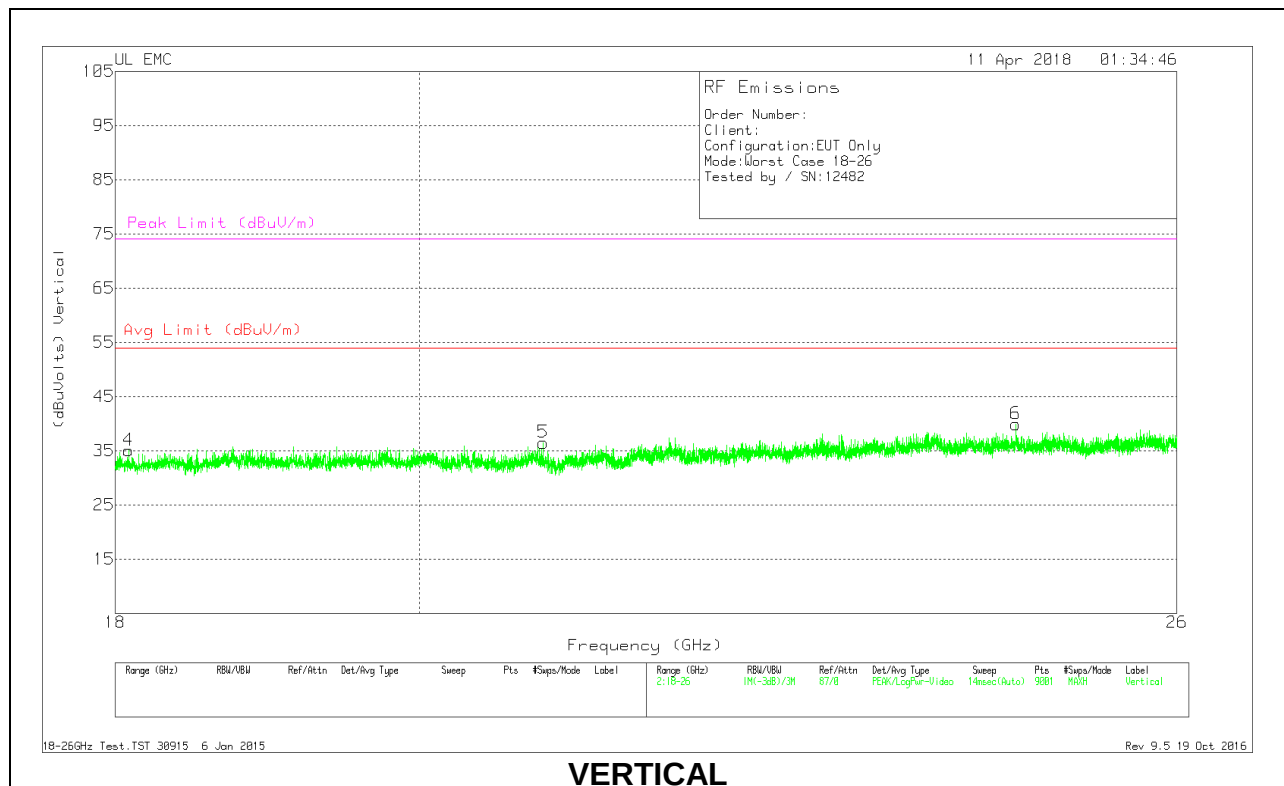
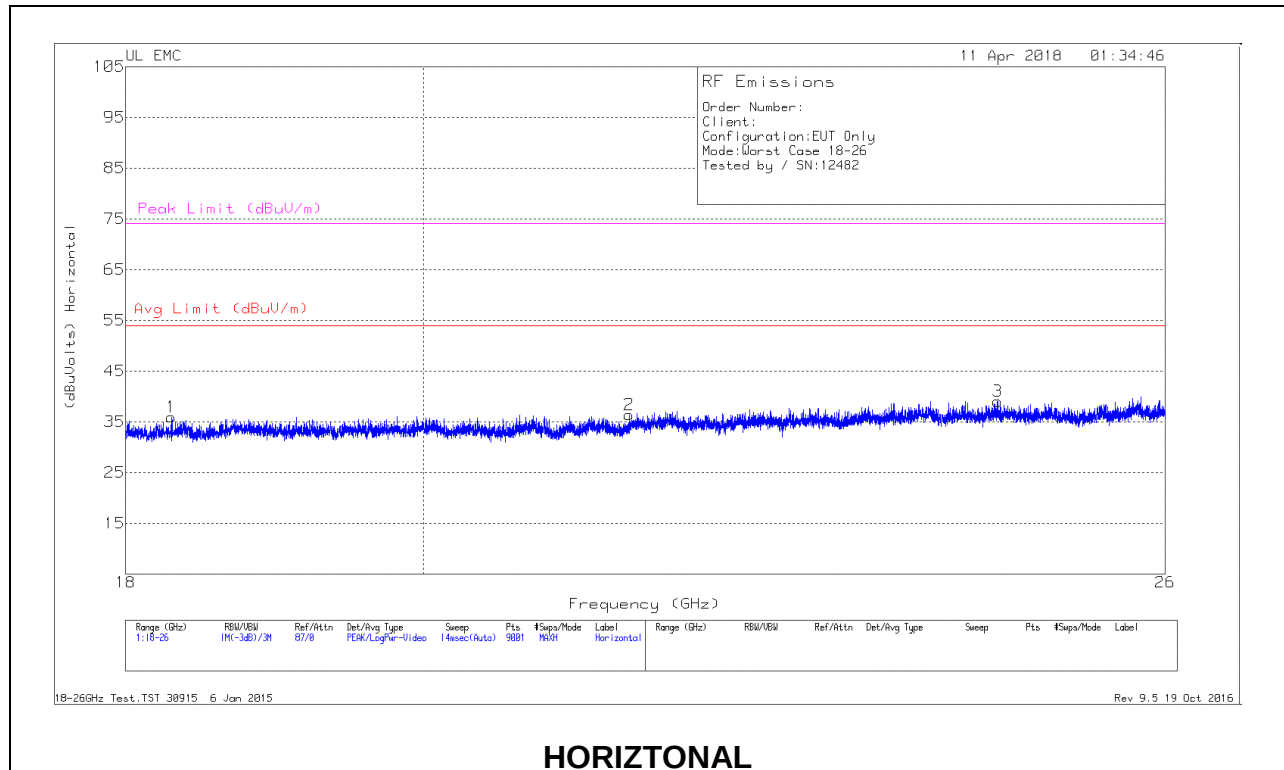


Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 117.6152	39.8	Pk	18.1	-31.3	26.6	43.52	-16.92	0-360	299	H
1	30.8502	30.53	Pk	25.4	-31.9	24.03	40	-15.97	0-360	299	H
4	37.2269	33.9	Pk	20.4	-31.8	22.5	40	-17.5	0-360	100	V
5	58.9075	41.39	Pk	12.2	-31.6	21.99	40	-18.01	0-360	100	V
2	59.5451	37.97	Pk	12.2	-31.7	18.47	40	-21.53	0-360	399	H
6	93.809	36.44	Pk	13	-31.4	18.04	43.52	-25.48	0-360	100	V

9.3. Worst Case 18-26 GHz

SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



18 – 26GHz DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	T89 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	18.292	38.25	Pk	32.4	-25.2	-9.5	35.95	54	-18.05	74	-38.05
2	21.508	38.27	Pk	33	-25.4	-9.5	36.37	54	-17.63	74	-37.63
3	24.504	38.94	Pk	34	-24.4	-9.5	39.04	54	-14.96	74	-34.96
4	18.084	37.46	Pk	32.5	-25.4	-9.5	35.06	54	-18.94	74	-38.94
5	20.876	38.65	Pk	32.6	-25.3	-9.5	36.45	54	-17.55	74	-37.55
6	24.589	39.6	Pk	33.9	-24.1	-9.5	39.9	54	-14.1	74	-34.1

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 [*]	56 to 46 [*]
0.5-5	56	46
5-30	60	50

^{*} Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10

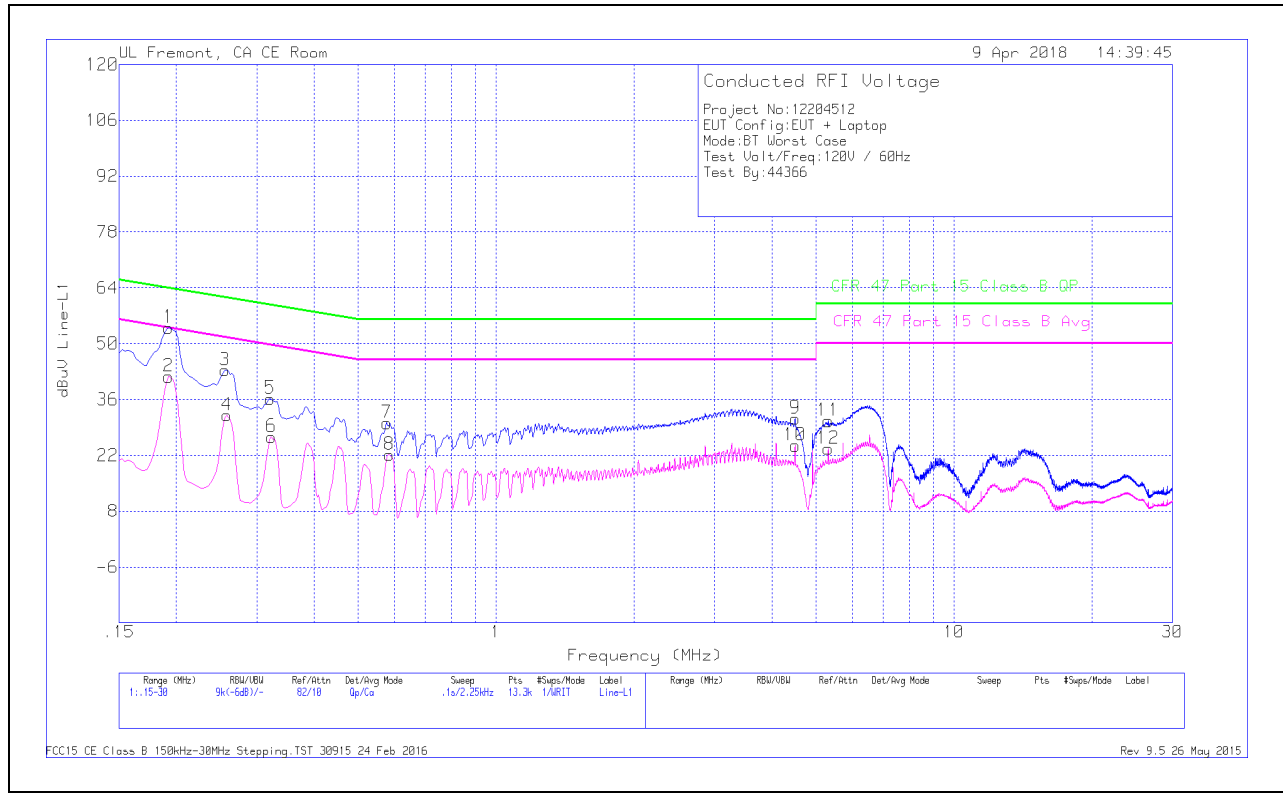
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

10.1.1. AC Power Line Host

LINE 1 RESULTS

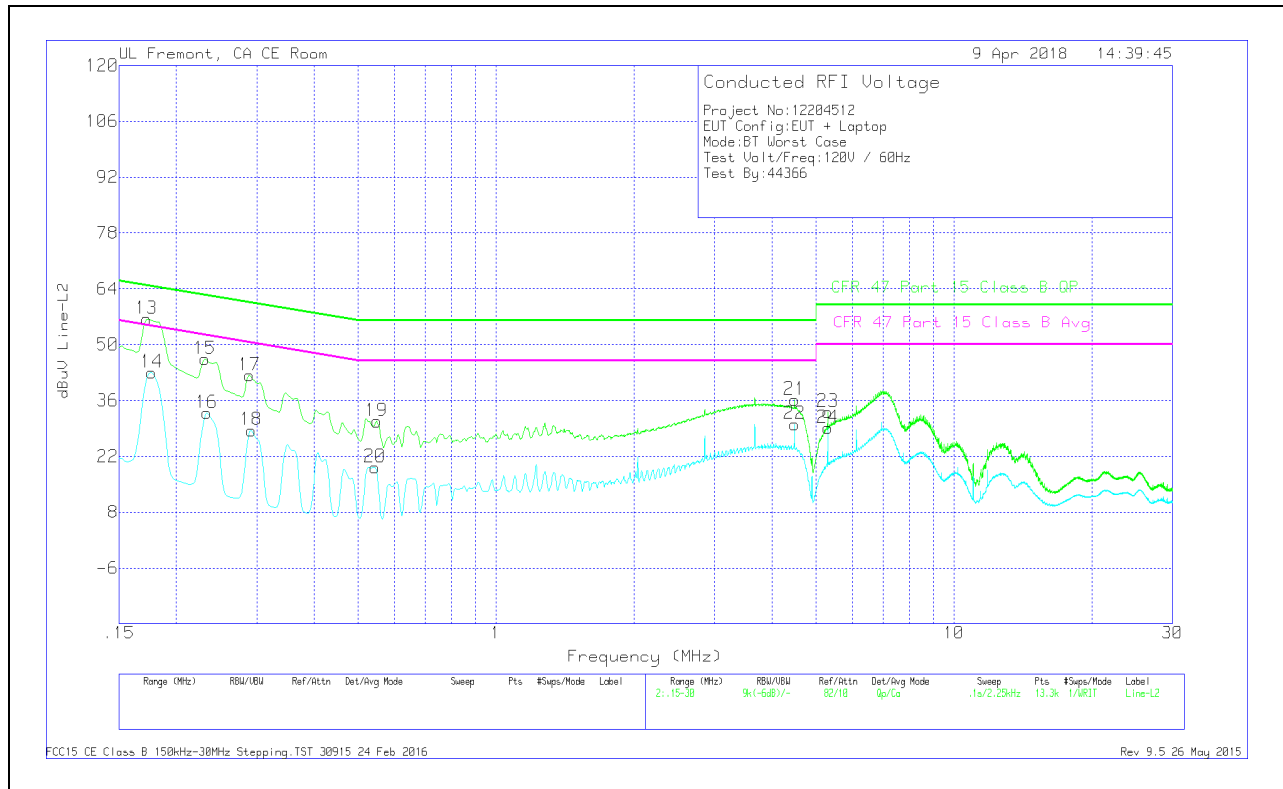


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.19275	43.9	Qp	0	0	10.1	54	63.92	-9.92	-	-
2	.19275	31.64	Ca	0	0	10.1	41.74	-	-	53.92	-12.18
3	.25575	33.25	Qp	0	0	10.1	43.35	61.57	-18.22	-	-
4	.258	21.91	Ca	0	0	10.1	32.01	-	-	51.5	-19.49
5	.321	26.09	Qp	0	0	10.1	36.19	59.68	-23.49	-	-
6	.32325	16.53	Ca	0	0	10.1	26.63	-	-	49.62	-22.99
7	.5775	20.01	Qp	0	0	10.1	30.11	56	-25.89	-	-
8	.58425	12.05	Ca	0	0	10.1	22.15	-	-	46	-23.85
9	4.497	21.04	Qp	0	.1	10.1	31.24	56	-24.76	-	-
10	4.497	14.25	Ca	0	.1	10.1	24.45	-	-	46	-21.55
11	5.31375	20.41	Qp	0	.1	10.1	30.61	60	-29.39	-	-
12	5.31375	13.44	Ca	0	.1	10.1	23.64	-	-	50	-26.36

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



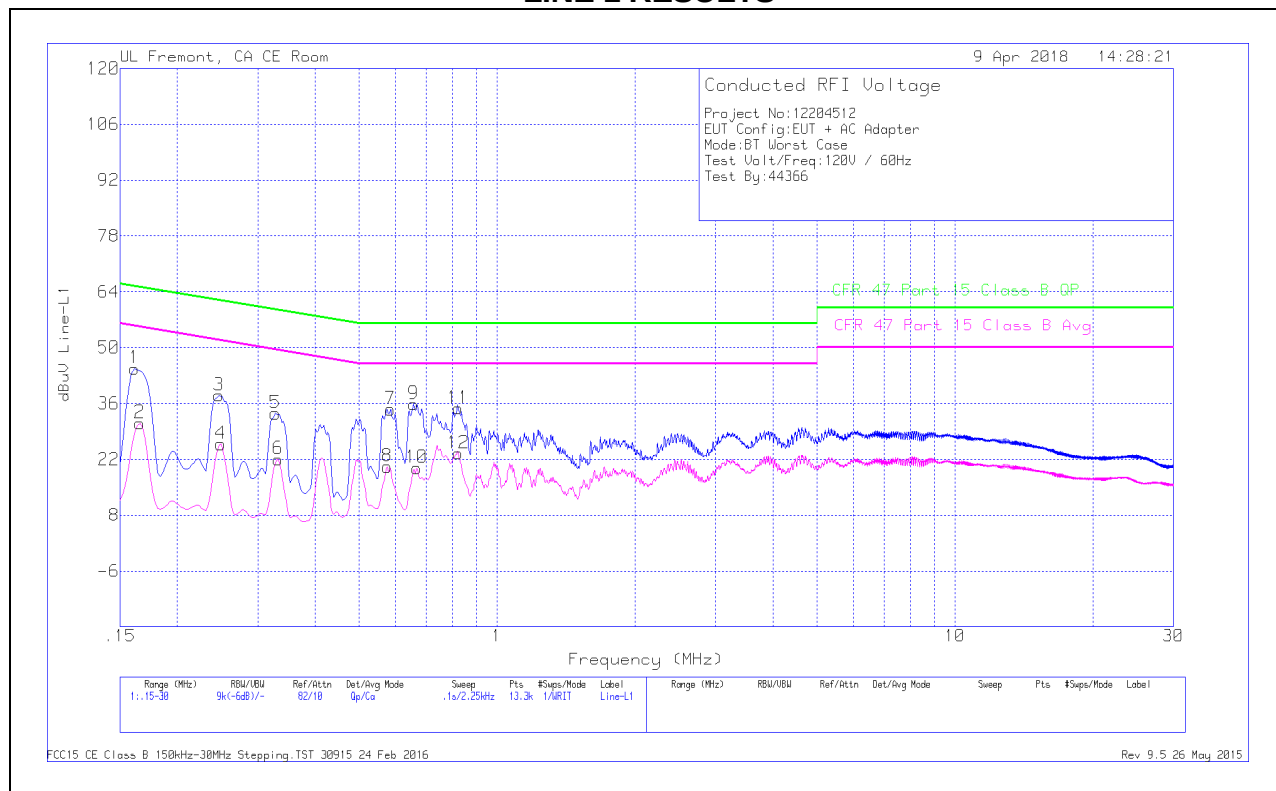
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.1725	46.33	Qp	0	0	10.1	56.43	64.84	-8.41	-	-
14	.177	32.92	Ca	0	0	10.1	43.02	-	-	54.63	-11.61
15	.231	36.31	Qp	0	0	10.1	46.41	62.41	-16	-	-
16	.23325	22.81	Ca	0	0	10.1	32.91	-	-	52.33	-19.42
17	.2895	32.22	Qp	0	0	10.1	42.32	60.54	-18.22	-	-
18	.29175	18.43	Ca	0	0	10.1	28.53	-	-	50.47	-21.94
19	.54825	20.7	Qp	0	0	10.1	30.8	56	-25.2	-	-
20	.54375	9.19	Ca	0	0	10.1	19.29	-	-	46	-26.71
21	4.488	25.98	Qp	0	.1	10.1	36.18	56	-19.82	-	-
22	4.48575	19.88	Ca	0	.1	10.1	30.08	-	-	46	-15.92
23	5.3025	22.94	Qp	0	.1	10.1	33.14	60	-26.86	-	-
24	5.3025	18.95	Ca	0	.1	10.1	29.15	-	-	50	-20.85

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.1.2. AC Power Line Norm

LINE 1 RESULTS

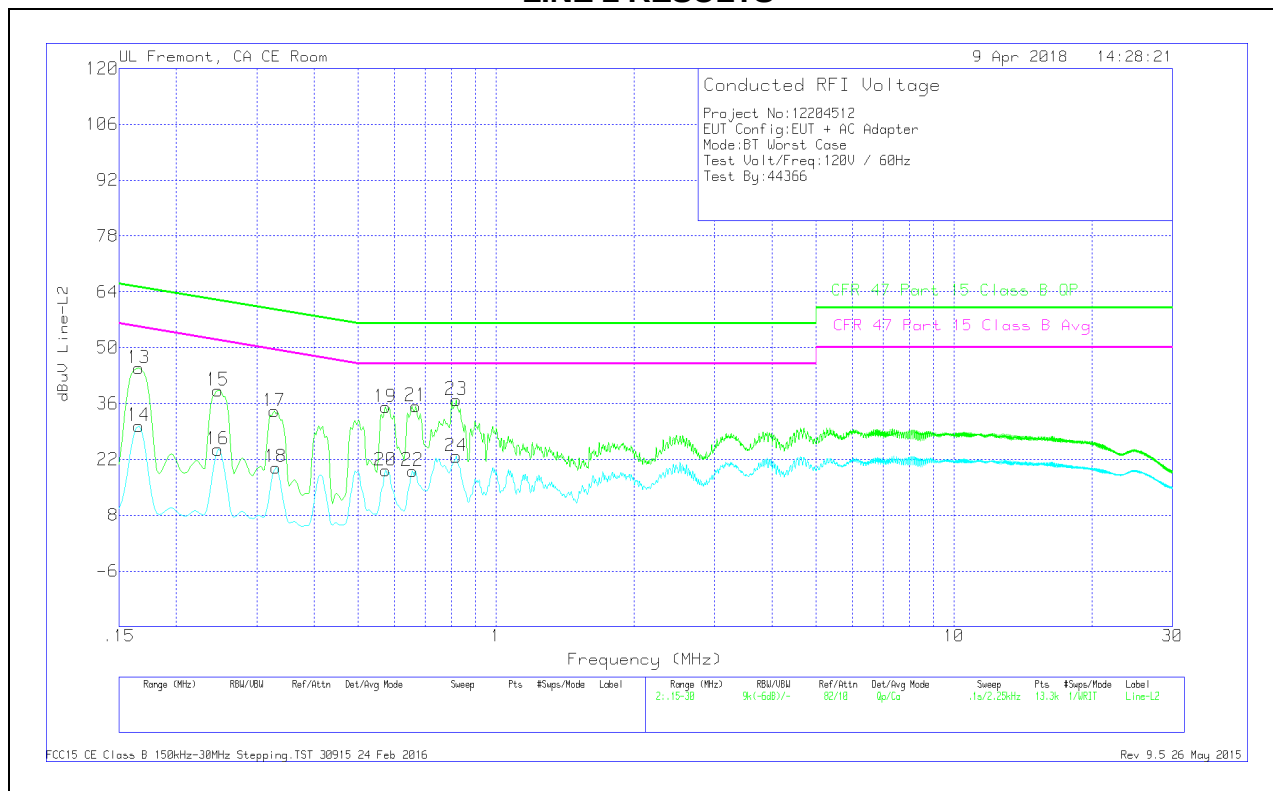


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.16125	34.58	Qp	.1	0	10.1	44.78	65.4	-20.62	-	-
2	.16575	20.88	Ca	.1	0	10.1	31.08	-	-	55.17	-24.09
3	.24675	27.92	Qp	0	0	10.1	38.02	61.87	-23.85	-	-
4	.249	15.74	Ca	0	0	10.1	25.84	-	-	51.79	-25.95
5	.32775	23.43	Qp	0	0	10.1	33.53	59.51	-25.98	-	-
6	.33225	11.94	Ca	0	0	10.1	22.04	-	-	49.39	-27.35
7	.58425	24.44	Qp	0	0	10.1	34.54	56	-21.46	-	-
8	.57525	10.07	Ca	0	0	10.1	20.17	-	-	46	-25.83
9	.65625	25.73	Qp	0	0	10.1	35.83	56	-20.17	-	-
10	.6675	9.73	Ca	0	0	10.1	19.83	-	-	46	-26.17
11	.82275	24.65	Qp	0	0	10.1	34.75	56	-21.25	-	-
12	.82275	13.38	Ca	0	0	10.1	23.48	-	-	46	-22.52

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.16575	34.79	Qp	0	0	10.1	44.89	65.17	-20.28	-	-
14	.16575	20.27	Ca	0	0	10.1	30.37	-	-	55.17	-24.8
15	.24675	29.16	Qp	0	0	10.1	39.26	61.87	-22.61	-	-
16	.24675	14.36	Ca	0	0	10.1	24.46	-	-	51.87	-27.41
17	.32775	24	Qp	0	0	10.1	34.1	59.51	-25.41	-	-
18	.33	9.89	Ca	0	0	10.1	19.99	-	-	49.45	-29.46
19	.573	25.01	Qp	0	0	10.1	35.11	56	-20.89	-	-
20	.573	9.09	Ca	0	0	10.1	19.19	-	-	46	-26.81
21	.6675	25.27	Qp	0	0	10.1	35.37	56	-20.63	-	-
22	.65625	9	Ca	0	0	10.1	19.1	-	-	46	-26.9
23	.81825	26.78	Qp	0	0	10.1	36.88	56	-19.12	-	-
24	.81825	12.64	Ca	0	0	10.1	22.74	-	-	46	-23.26

Qp - Quasi-Peak detector

Ca - CISPR average detection

END OF REPORT

11. SETUP PHOTOS

Please refer to 12124122-EP1V1 for setup photos