

9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC 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
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 scans above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T (10 Hz) video bandwidth with peak detector for average measurements.

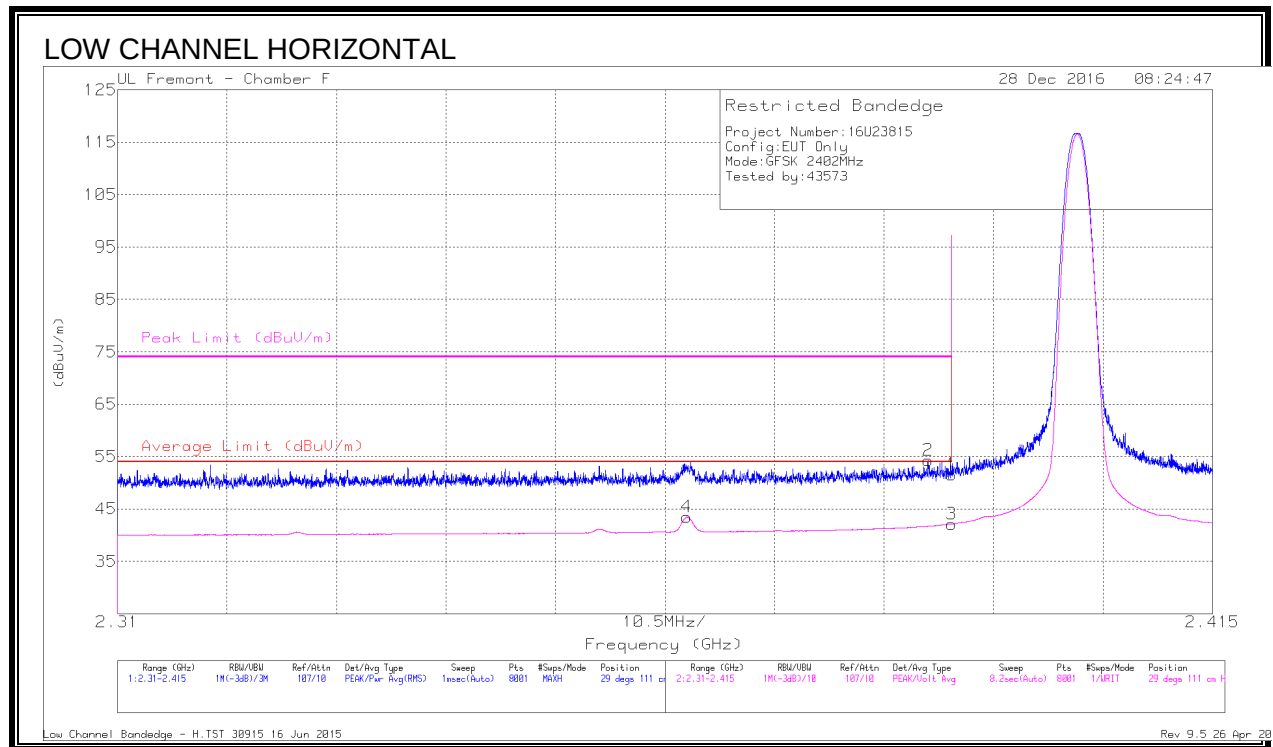
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak→ this is a note from Radiated automation software. When the frequency is below 1G, software is using RB=100kHz; when the frequency is above 1G, software is using RB=1MHz.

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.

RESULTS

9.2. HIGH POWER BASIC DATA RATE GFSK MODULATION

9.2.1. RESTRICTED BANDEDGE (LOW CHANNEL)

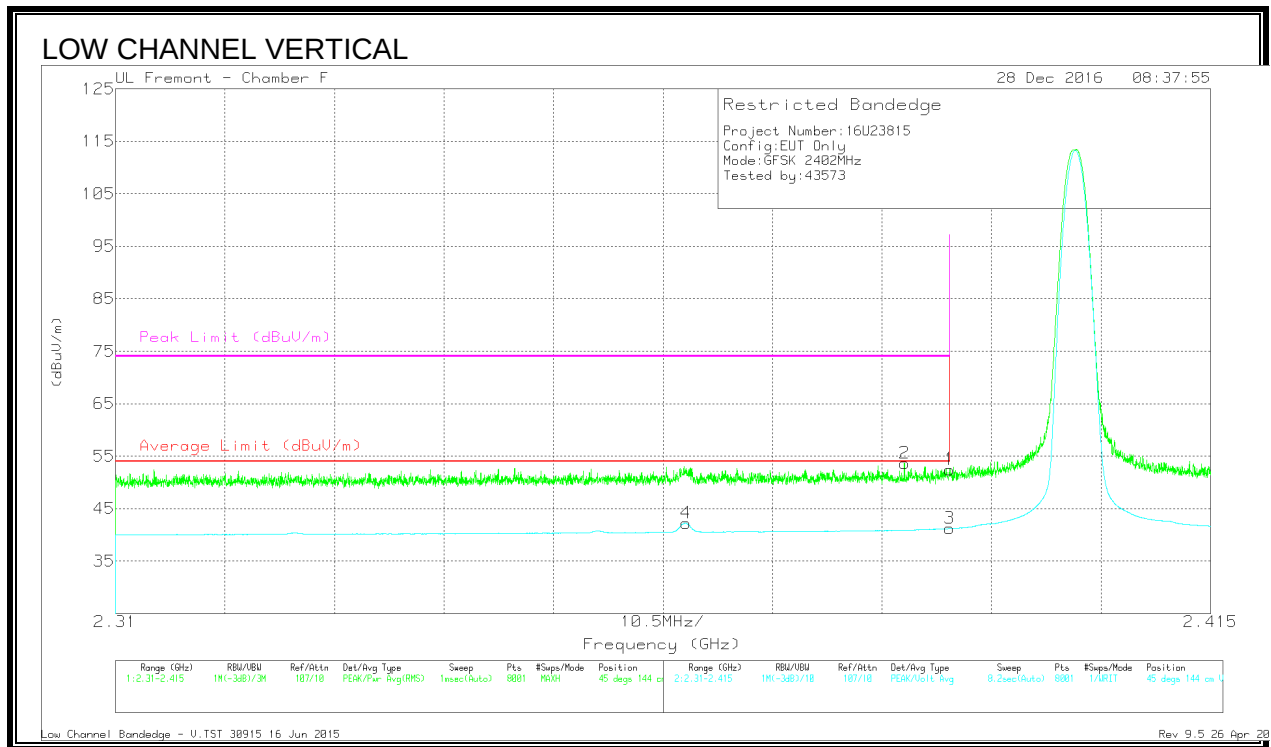


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.39	Pk	32.1	-20.9	51.59	-	-	74	-22.41	29	111	H
2	* 2.388	43.06	Pk	32.1	-20.9	54.26	-	-	74	-19.74	29	111	H
3	* 2.39	30.91	VA1T	32.1	-20.9	42.11	54	-11.89	-	-	29	111	H
4	* 2.365	32.33	VA1T	32	-20.9	43.43	54	-10.57	-	-	29	111	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



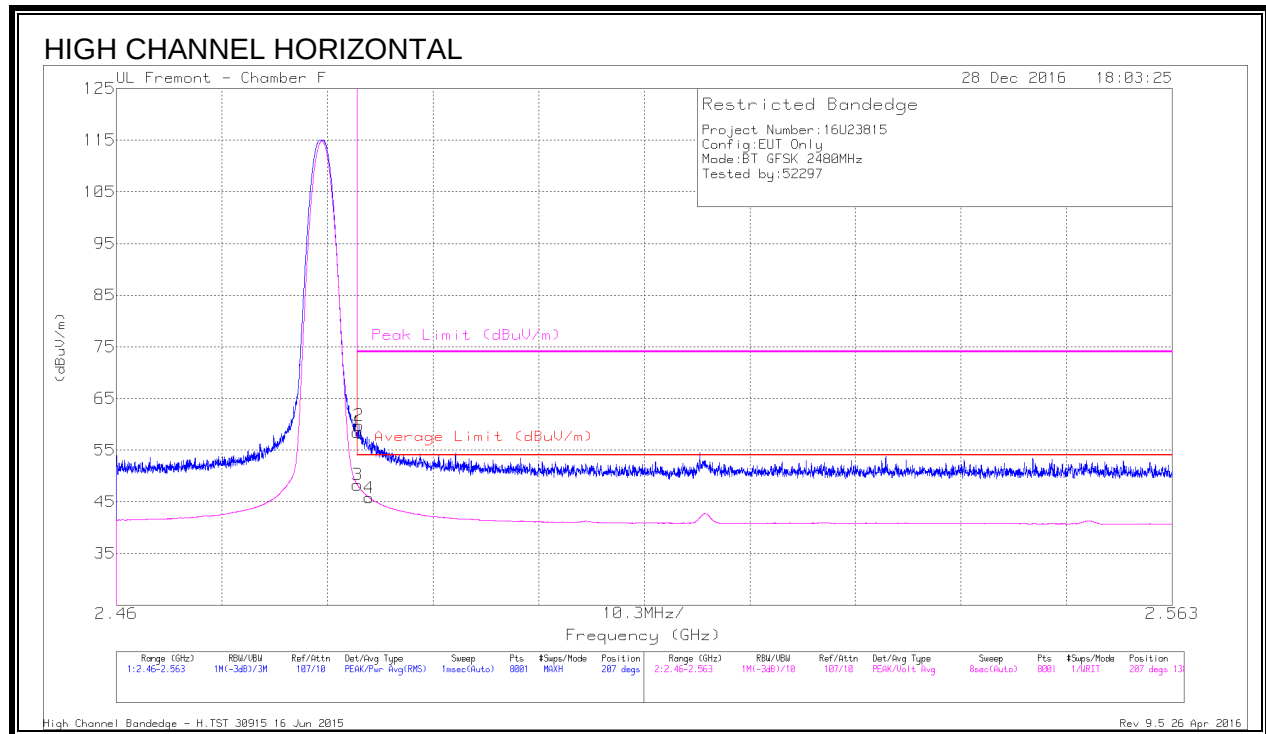
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.26	Pk	32.1	-20.9	52.46	-	-	74	-21.54	45	144	V
2	* 2.386	42.48	Pk	32.1	-20.9	53.68	-	-	74	-20.32	45	144	V
3	* 2.39	29.99	VA1T	32.1	-20.9	41.19	54	-12.81	-	-	45	144	V
4	* 2.365	31.14	VA1T	32	-20.9	42.24	54	-11.76	-	-	45	144	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

9.2.2. AUTHORIZED BANDEDGE (HIGH CHANNEL)

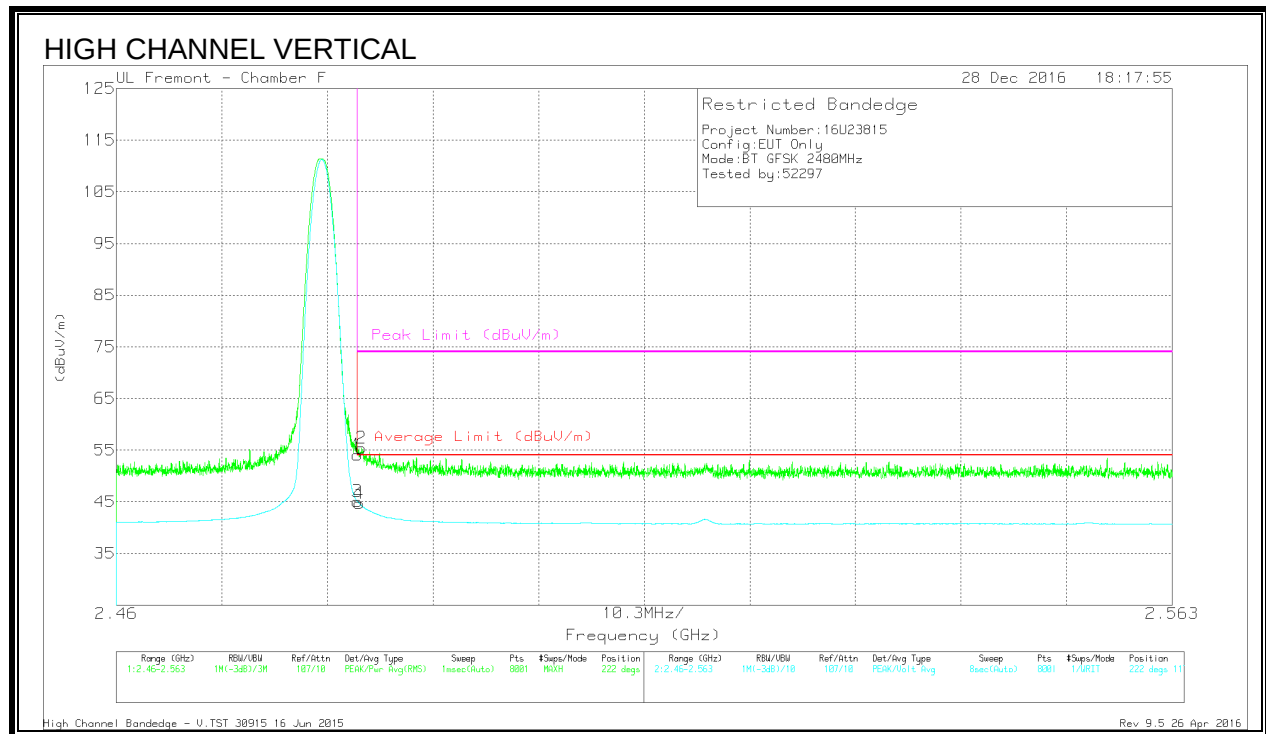


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb I/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.2	Pk	32.3	-21	58.5	-	-	74	-15.5	207	138	H
2	* 2.484	48.47	Pk	32.3	-21	59.77	-	-	74	-14.23	207	138	H
3	* 2.484	36.98	VA1T	32.3	-21	48.28	54	-5.72	-	-	207	138	H
4	* 2.485	34.35	VA1T	32.3	-20.9	45.75	54	-8.25	-	-	207	138	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



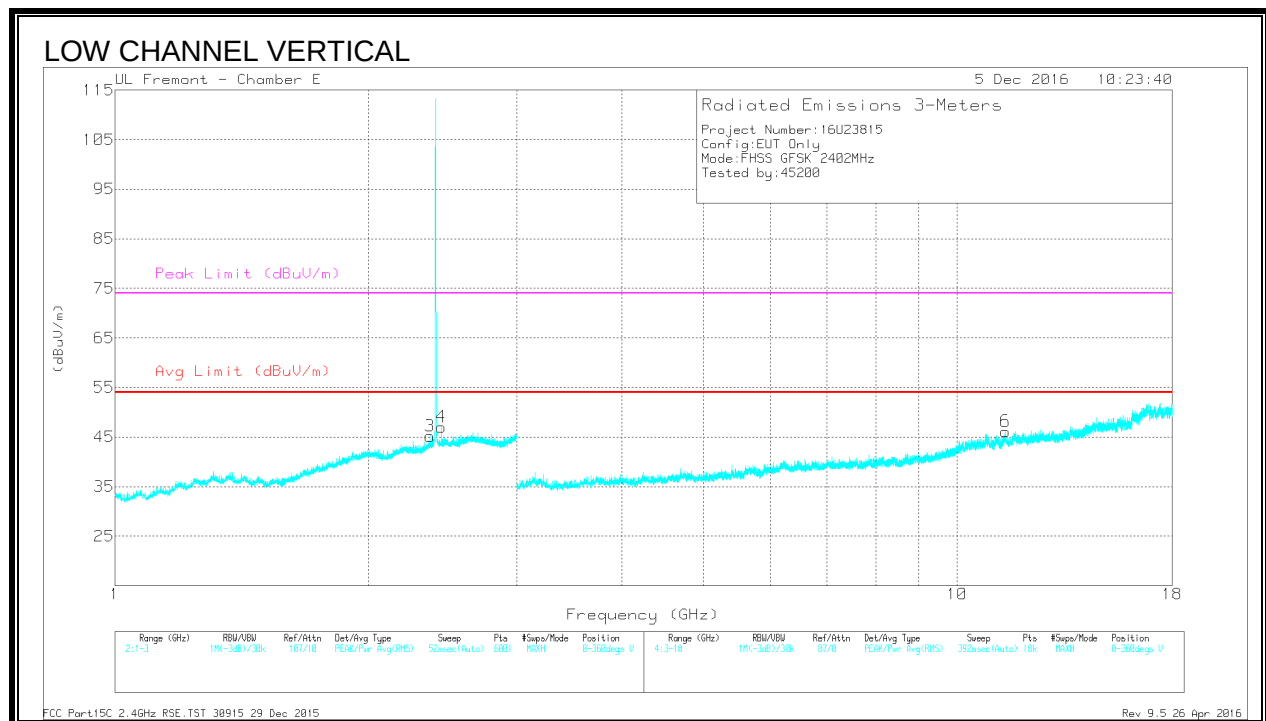
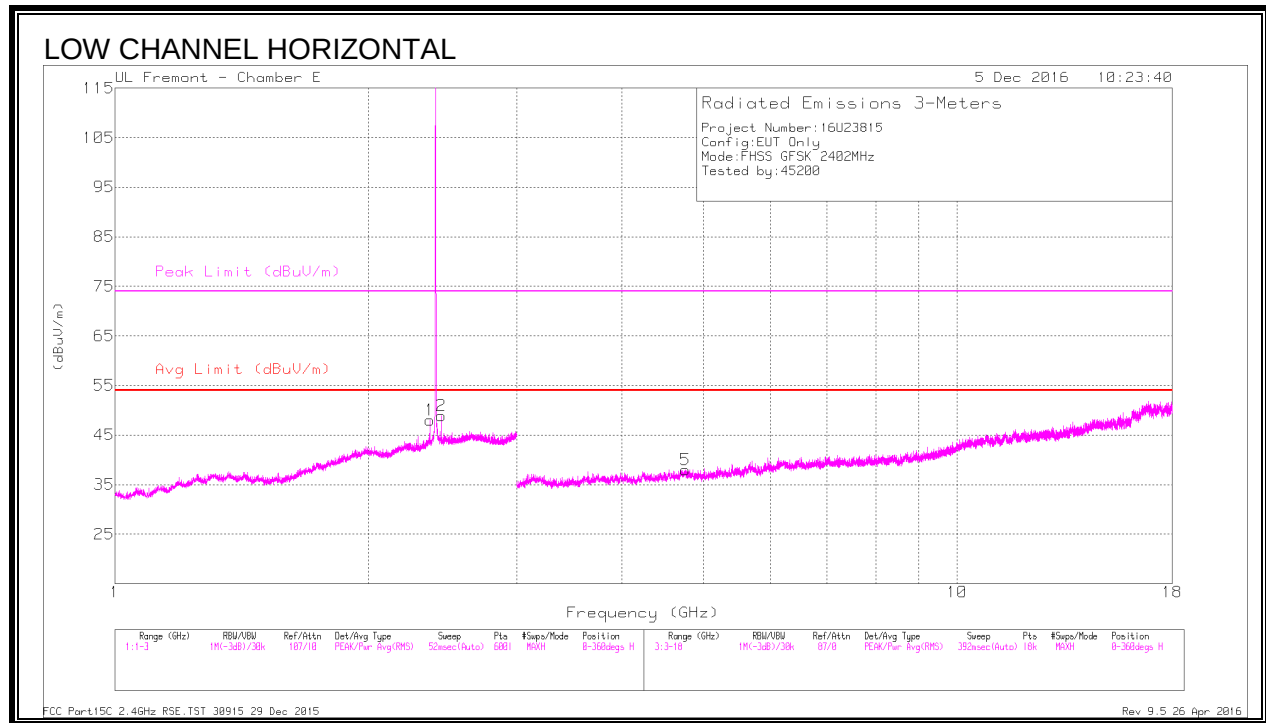
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Filtr/PA d (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.8	Pk	32.3	-21	54.1	-	-	74	-19.9	222	117	V
2	* 2.484	44.09	Pk	32.3	-21	55.39	-	-	74	-18.61	222	117	V
3	* 2.484	33.77	VA1T	32.3	-21	45.07	54	-8.93	-	-	222	117	V
4	* 2.484	33.41	VA1T	32.3	-21	44.71	54	-9.29	-	-	222	117	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

9.2.3. HARMONICS AND SPURIOUS EMISSIONS



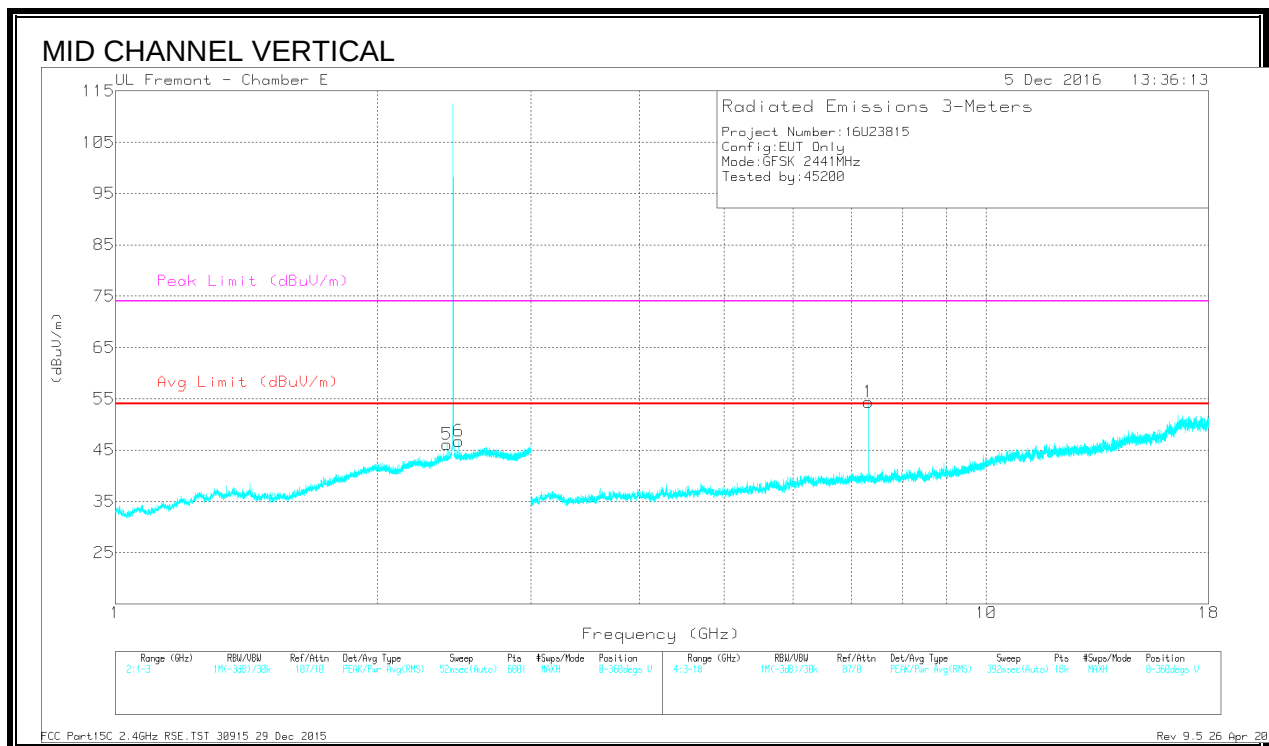
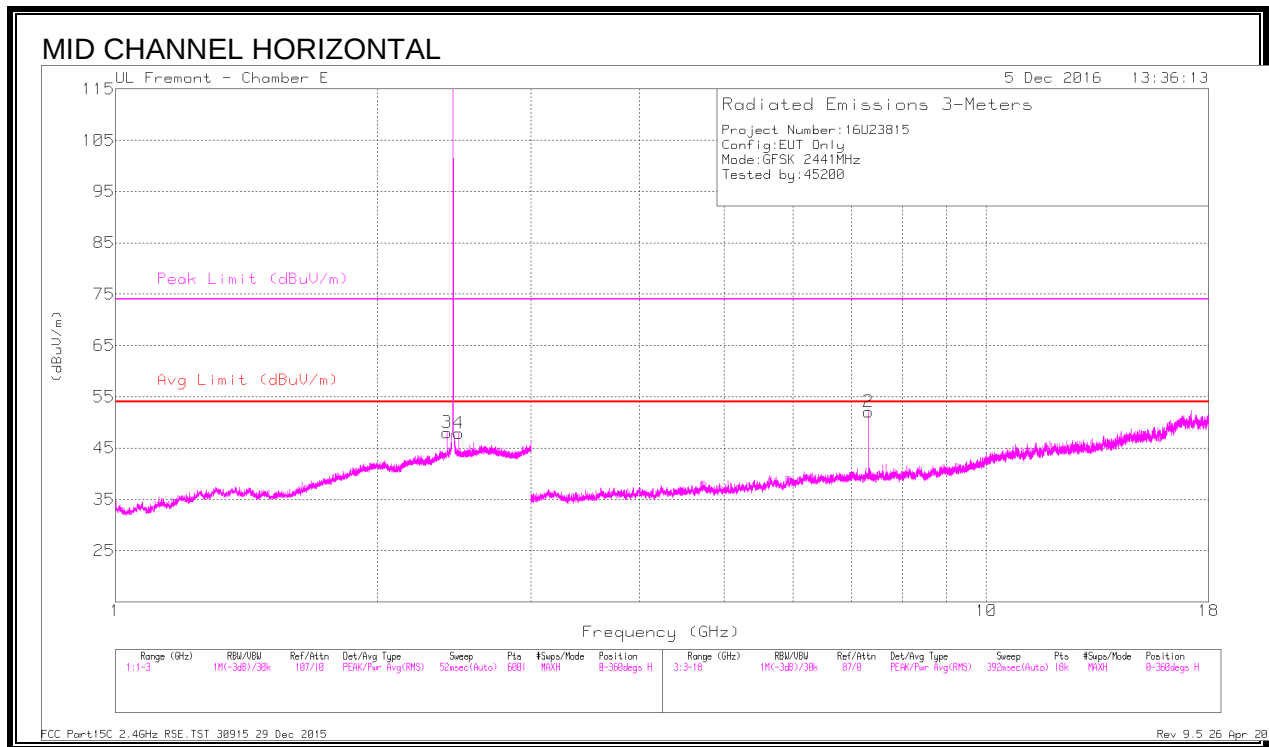
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	* 2.365	40.69	PKFH	31.9	-19.8	52.79	-	-	74	-21.21	267	131	H
	* 2.365	32.15	VA1T	31.9	-19.7	44.35	54	-9.65	-	-	267	131	H
2	2.439	40.56	PKFH	32.2	-19.8	52.96	-	-	-	-	263	125	H
3	* 2.365	39.84	PKFH	31.9	-19.7	52.04	-	-	74	-21.96	351	120	V
	* 2.365	28.57	VA1T	31.9	-19.7	40.77	54	-13.23	-	-	351	120	V
4	2.439	39.02	PKFH	32.2	-19.8	51.42	-	-	-	-	281	112	V
5	* 4.751	39.13	PKFH	34	-28.9	44.23	-	-	74	-29.77	88	366	H
	* 4.751	27.68	VA1T	34	-28.9	32.78	54	-21.22	-	-	88	366	H
6	* 11.405	35.51	PKFH	38.2	-21.6	52.11	-	-	74	-21.89	177	127	V
	* 11.404	24.03	VA1T	38.2	-21.6	40.63	54	-13.37	-	-	177	127	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



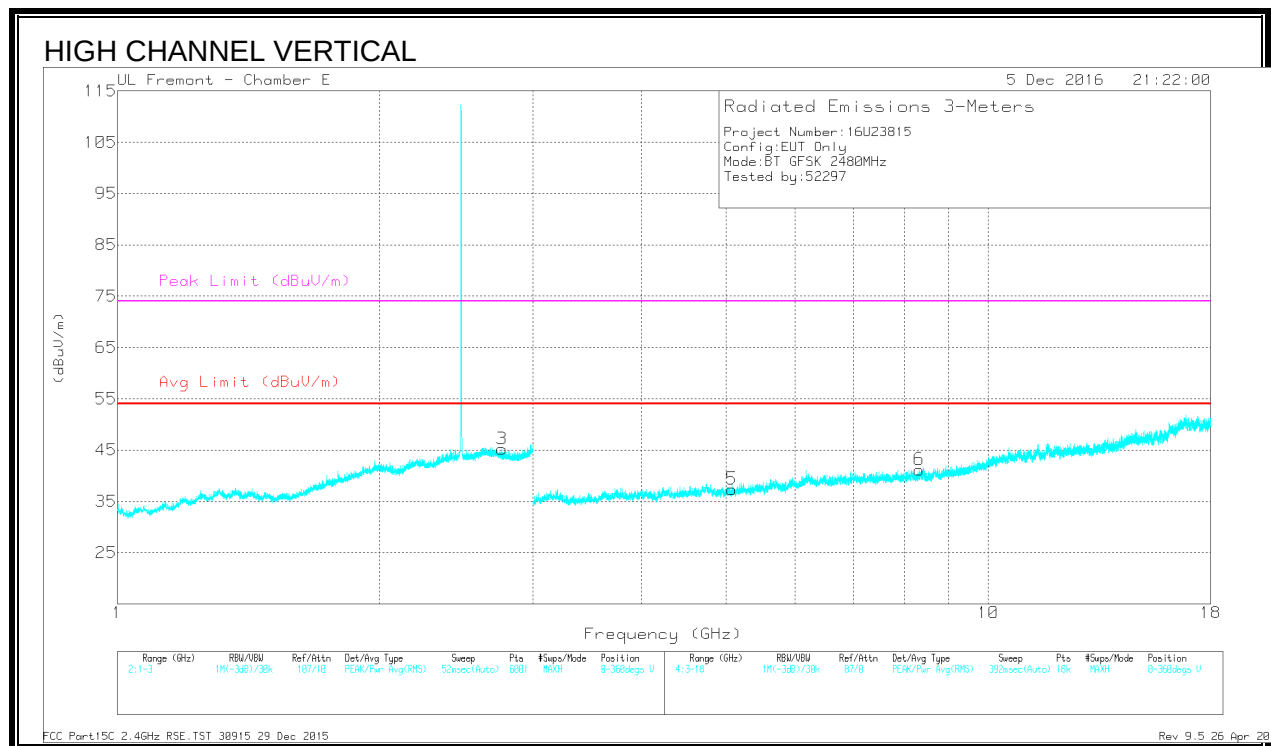
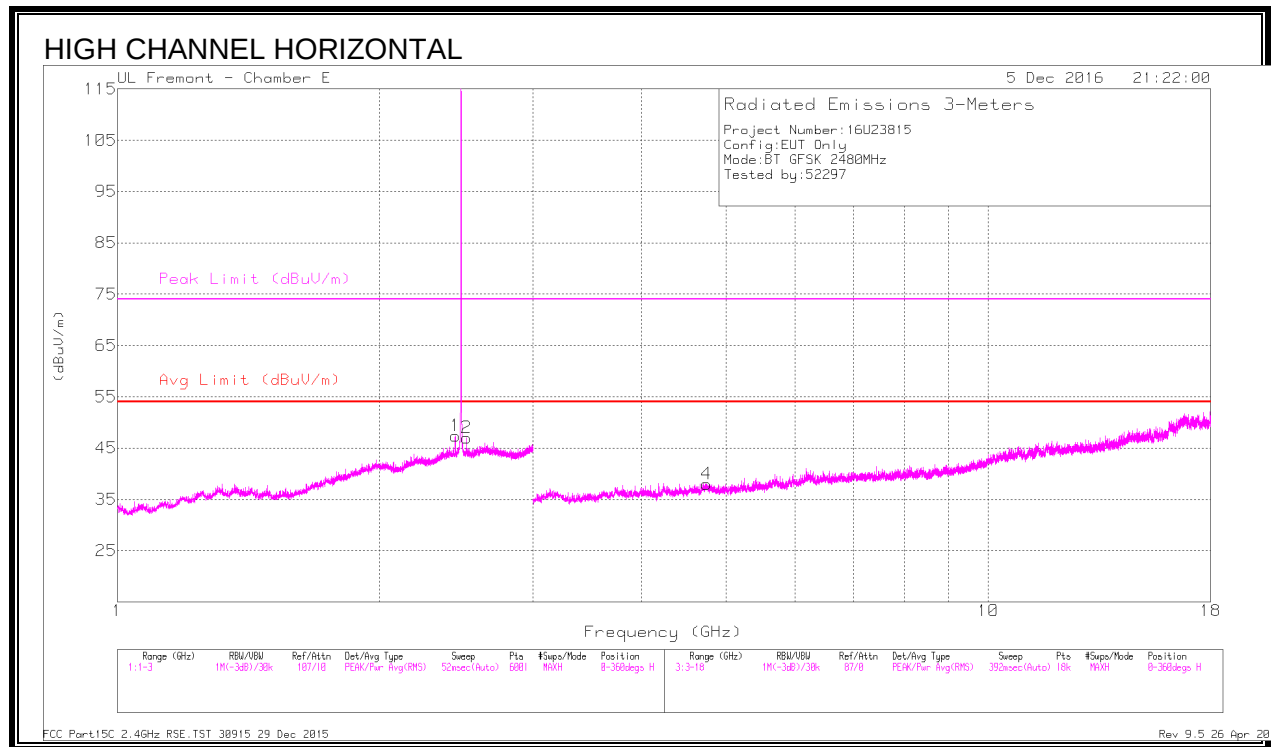
Radiated Emissions

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.323	43.01	PKFH	35.6	-26.4	52.21	-	-	74	-21.79	289	210	V
	* 7.323	37.54	VA1T	35.6	-26.4	46.74	54	-7.26	-	-	289	210	V
2	* 7.323	37.99	PKFH	35.6	-26.4	47.19	-	-	74	-26.81	21	157	H
	* 7.323	29.06	VA1T	35.6	-26.4	38.26	54	-15.74	-	-	21	157	H
3	2.404	41.45	PKFH	32.2	-19.7	53.95	-	-	-	-	275	357	H
4	2.478	41.56	PKFH	32.3	-19.7	54.16	-	-	-	-	276	261	H
5	2.404	38.73	PKFH	32.2	-19.7	51.23	-	-	-	-	326	179	V
6	2.478	38.46	PKFH	32.3	-19.7	51.06	-	-	-	-	293	127	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



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	2.443	39.31	PKFH	32.2	-19.6	51.91	-	-	-	-	265	112	H
2	2.517	38.81	PKFH	32.3	-19.7	51.41	-	-	-	-	276	246	H
3	* 2.765	36.72	PKFH	32.5	-19.6	49.62	-	-	74	-24.38	206	197	V
	* 2.766	25.32	VA1T	32.5	-19.7	38.12	54	-15.88	-	-	206	197	V
4	* 4.751	39.53	PKFH	34	-28.9	44.63	-	-	74	-29.37	136	243	H
	* 4.749	27.72	VA1T	34	-28.9	32.82	54	-21.18	-	-	136	243	H
5	* 5.074	39.24	PKFH	34	-29.6	43.64	-	-	74	-30.36	159	160	V
	* 5.072	27.71	VA1T	34	-29.7	32.01	54	-21.99	-	-	159	160	V
6	* 8.331	37.23	PKFH	35.7	-26.6	46.33	-	-	74	-27.67	90	224	V
	* 8.329	26.03	VA1T	35.7	-26.7	35.03	54	-18.97	-	-	90	224	V

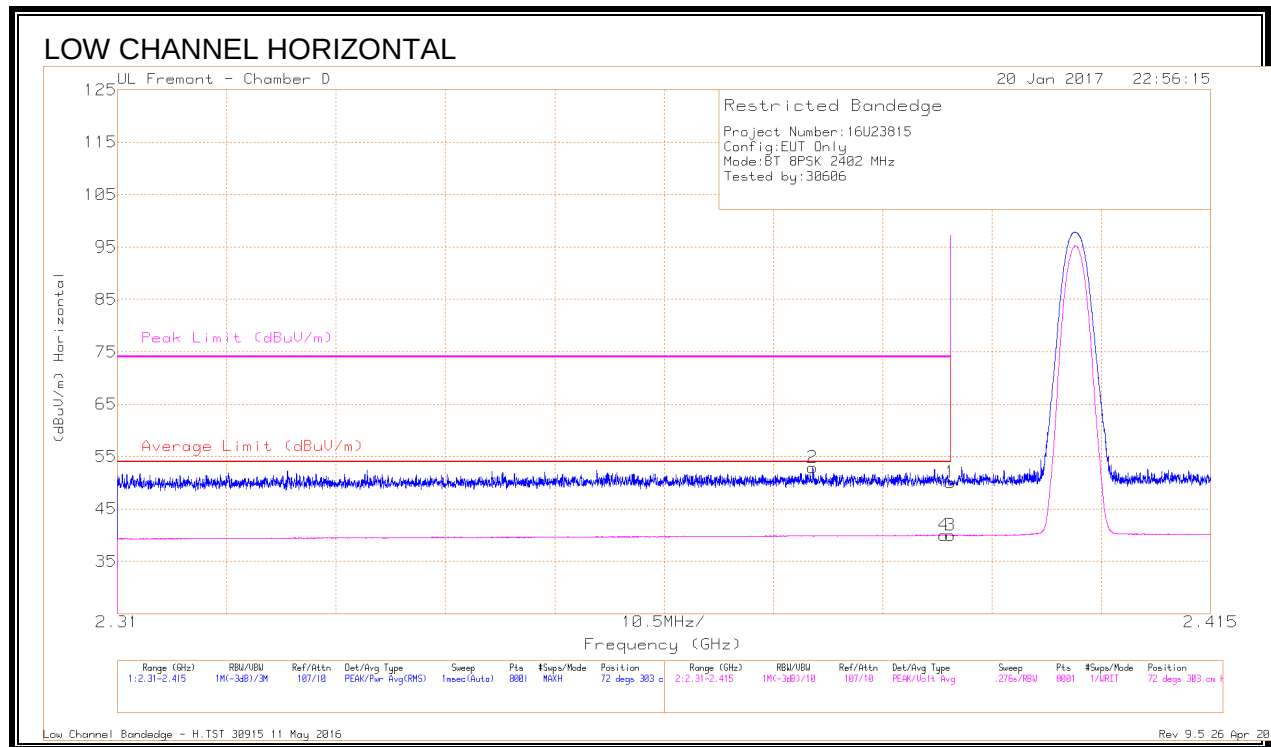
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

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

9.3. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

9.3.1. RESTRICTED BANDEDGE (LOW CHANNEL)

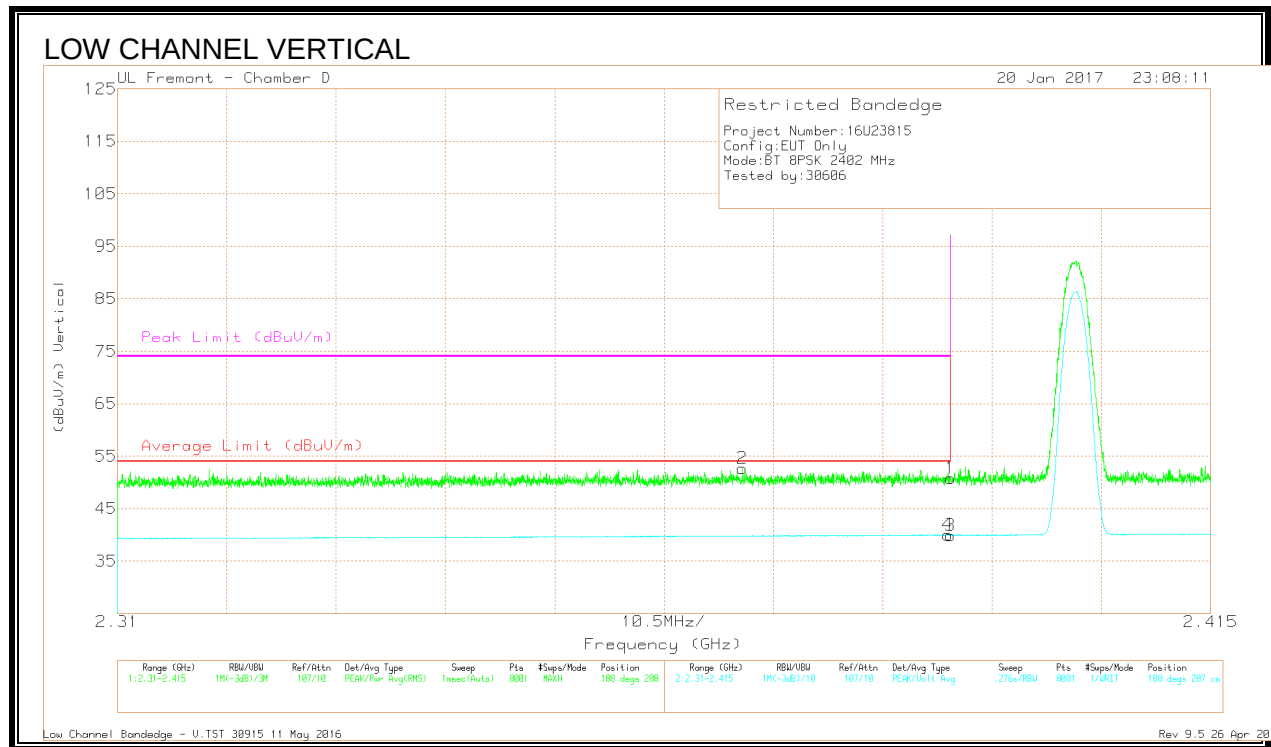


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.377	41.78	Pk	31.9	-20.8	52.88	-	-	74	-21.12	72	303	H
4	* 2.389	28.8	VA1T	32	-20.8	40	54	-14	-	-	72	303	H
1	* 2.39	38.71	Pk	32	-20.7	50.01	-	-	74	-23.99	72	303	H
3	* 2.39	28.65	VA1T	32	-20.7	39.95	54	-14.05	-	-	72	303	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



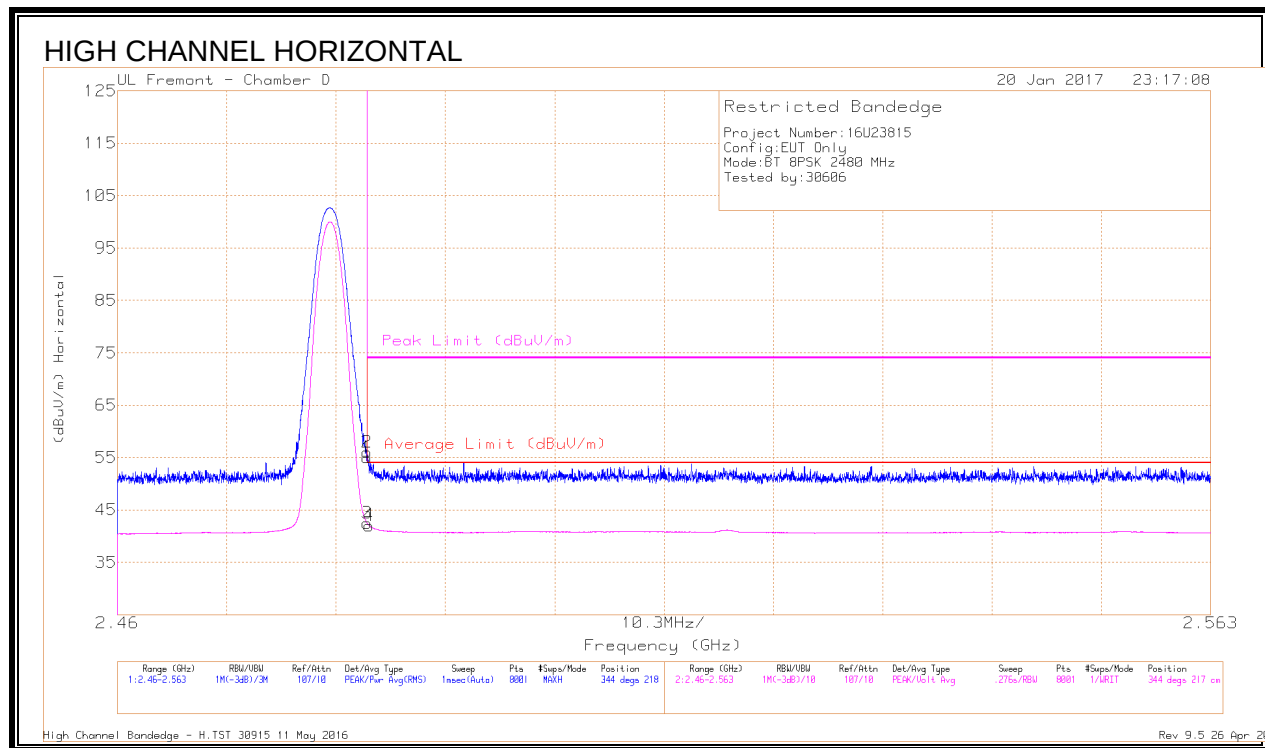
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.37	41.63	Pk	31.9	-20.9	52.63	-	-	74	-21.37	188	288	V
1	* 2.39	39.49	Pk	32	-20.7	50.79	-	-	74	-23.21	188	288	V
3	* 2.39	28.6	VA1T	32	-20.7	39.9	54	-14.1	-	-	188	287	V
4	* 2.39	28.79	VA1T	32	-20.8	39.99	54	-14.01	-	-	188	287	V

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Pk - Peak detector

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

9.3.2. AUTHORIZED BANDEDGE (HIGH CHANNEL)

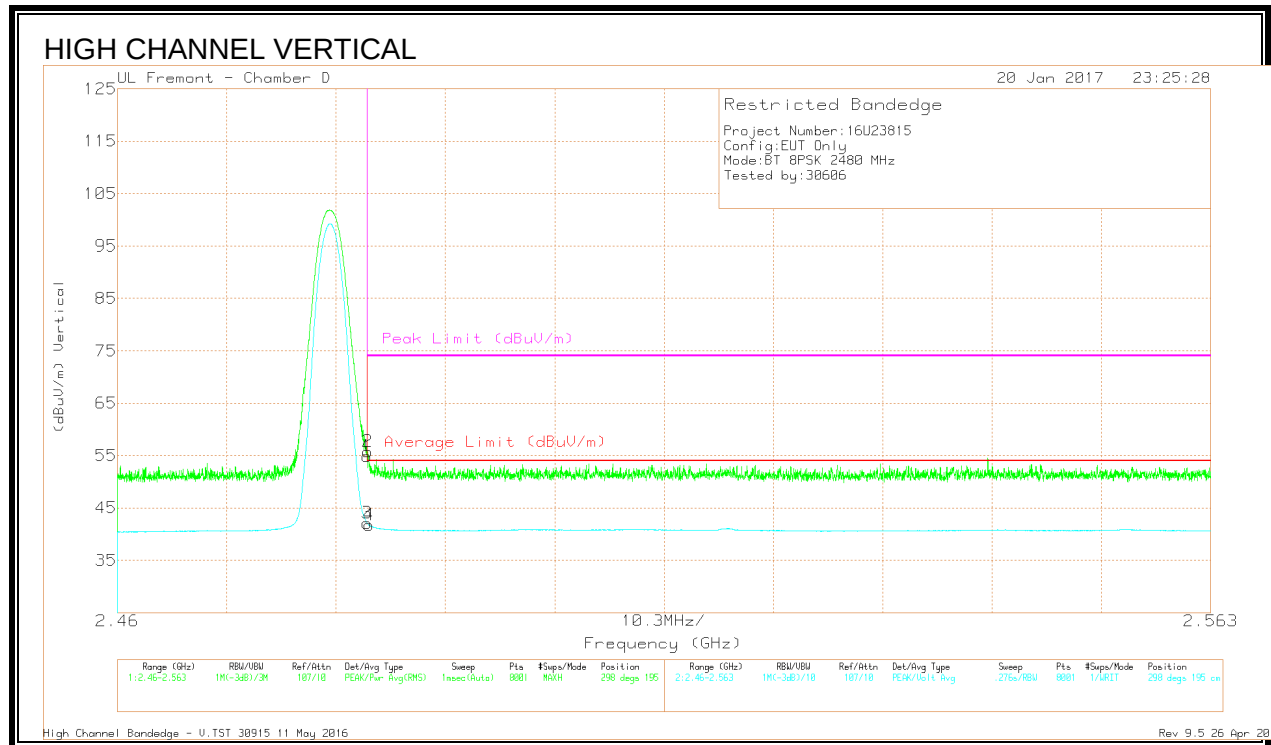


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.27	Pk	32.5	-20.8	54.97	-	-	74	-19.03	344	218	H
2	* 2.484	44.31	Pk	32.5	-20.8	56.01	-	-	74	-17.99	344	218	H
3	* 2.484	30.77	VA1T	32.5	-20.8	42.47	54	-11.53	-	-	344	217	H
4	* 2.484	30.33	VA1T	32.5	-20.8	42.03	54	-11.97	-	-	344	217	H

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Pk - Peak detector

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



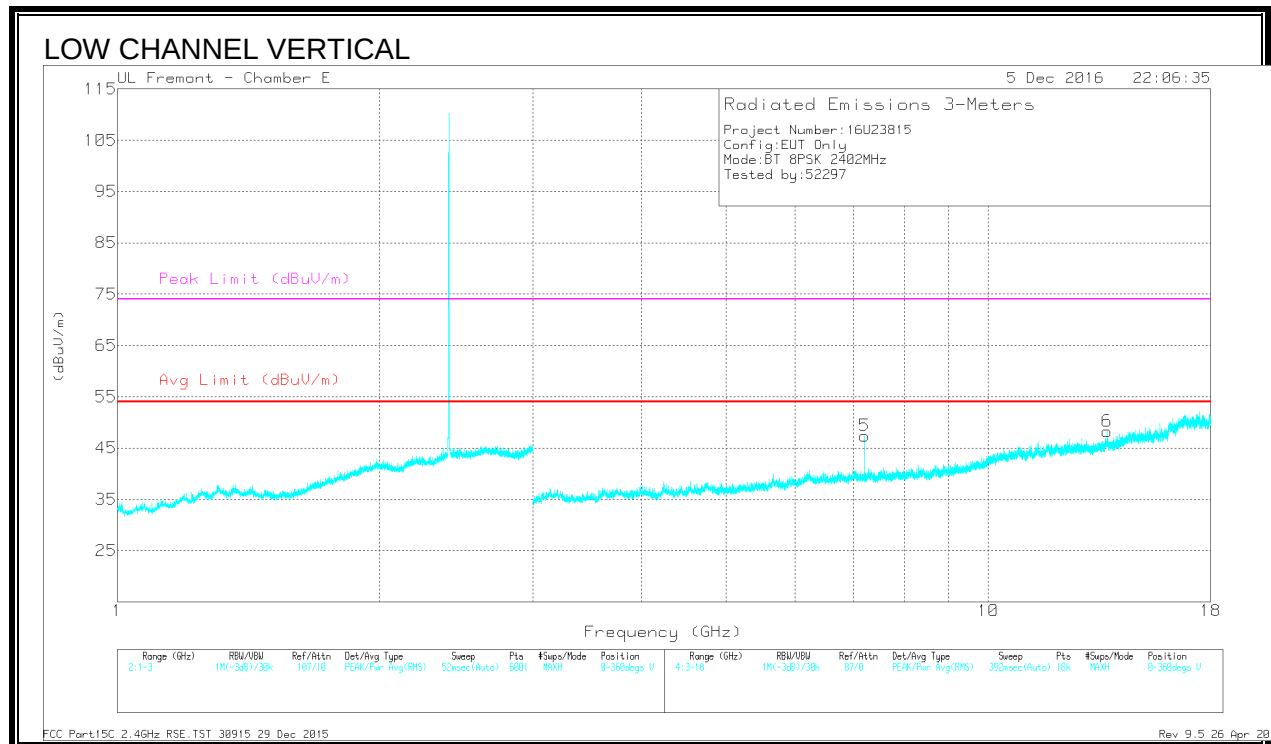
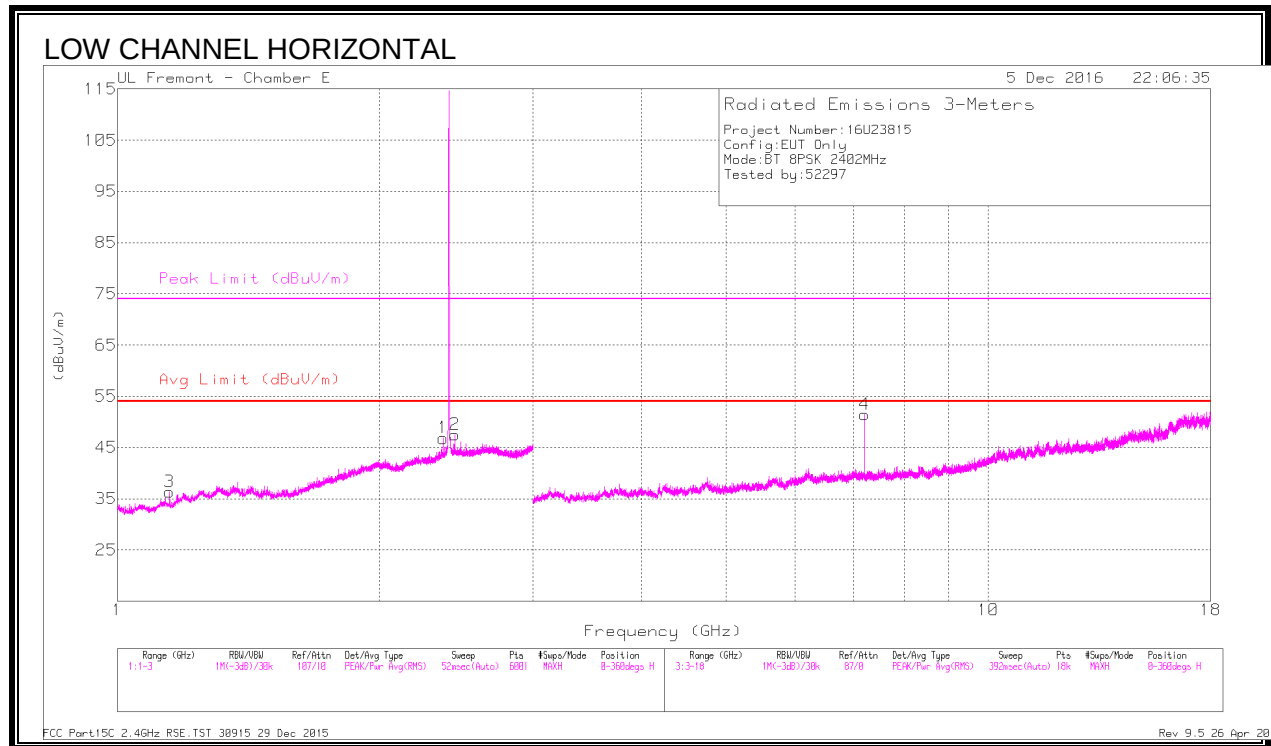
Marker	Frequ ncy (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Reading (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 2.484	43.2	Pk	32.5	-20.8	54.9	-	-	74	-19.1	298	195	V
2	* 2.484	44.08	Pk	32.5	-20.8	55.78	-	-	74	-18.22	298	195	V
3	* 2.484	30.43	VA1T	32.5	-20.8	42.13	54	-11.87	-	-	298	195	V
4	* 2.484	30.05	VA1T	32.5	-20.8	41.75	54	-12.25	-	-	298	195	V

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Pk - Peak detector

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

9.3.3. HARMONICS AND SPURIOUS EMISSIONS



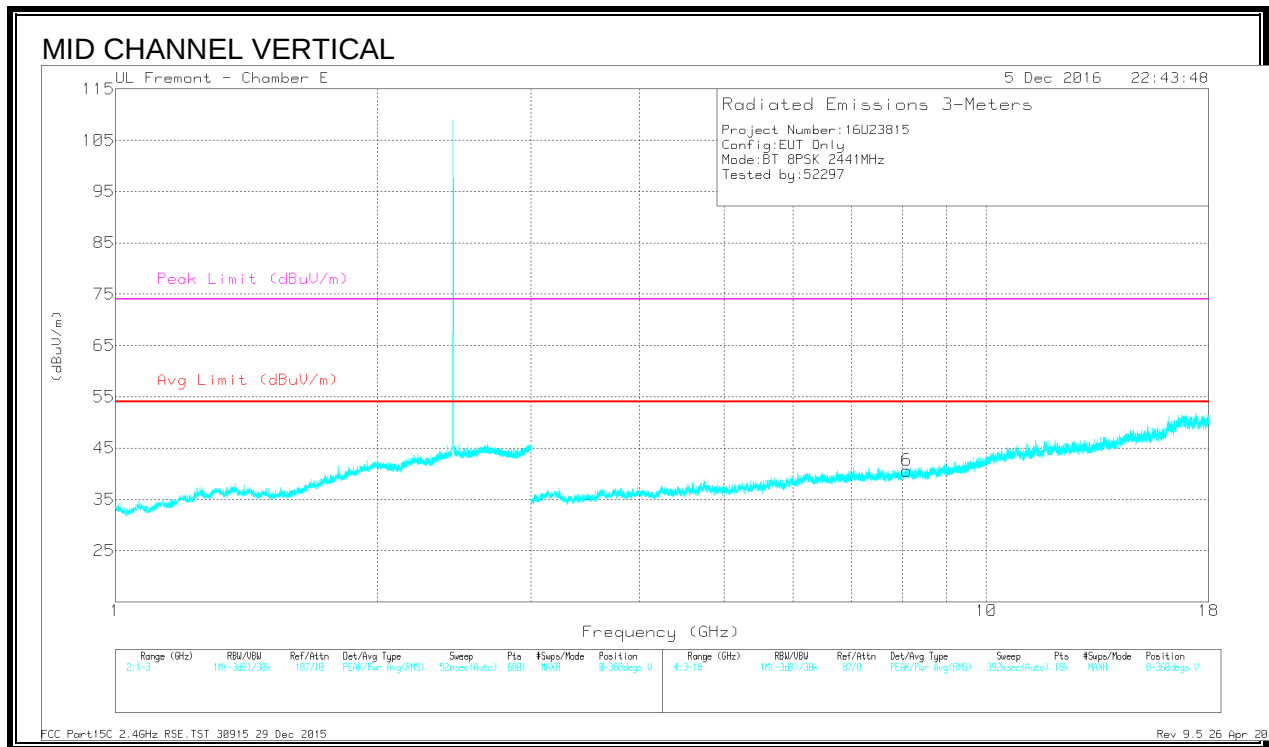
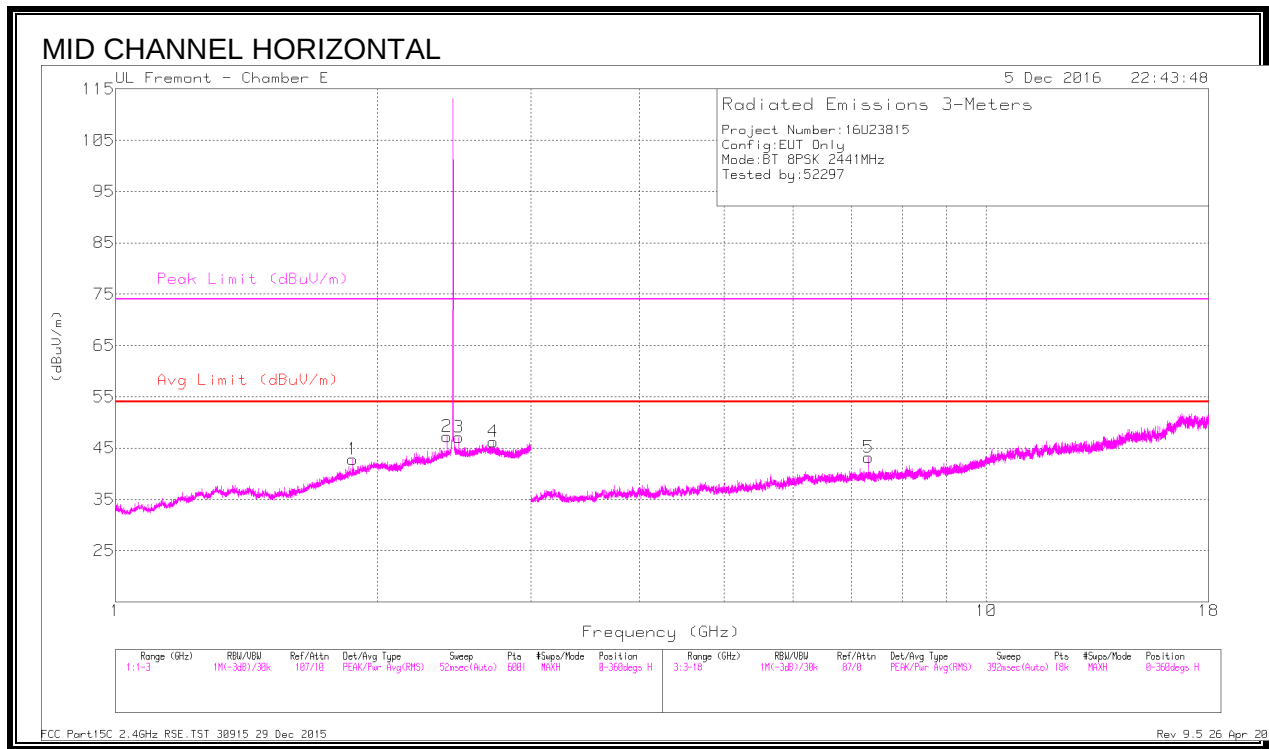
Radiated Emissions

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.365	39.32	PKFH	31.9	-19.8	51.42	-	-	74	-22.58	119	172	H
	* 2.365	29.03	VA1T	31.9	-19.7	41.23	54	-12.77	-	-	119	172	H
2	2.44	40.91	PKFH	32.2	-19.8	53.31	-	-	-	-	91	273	H
3	* 1.146	35.02	PKFH	28.1	-22.8	40.32	-	-	74	-33.68	185	228	H
	* 1.147	23.68	VA1T	28.1	-22.8	28.98	54	-25.02	-	-	185	228	H
4	7.205	40.92	PKFH	35.6	-27.7	48.82	-	-	-	-	71	107	H
5	7.205	38.09	PKFH	35.6	-27.7	45.99	-	-	-	-	125	162	V
6	13.695	38.03	PKFH	38.6	-22.9	53.73	-	-	-	-	0	259	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



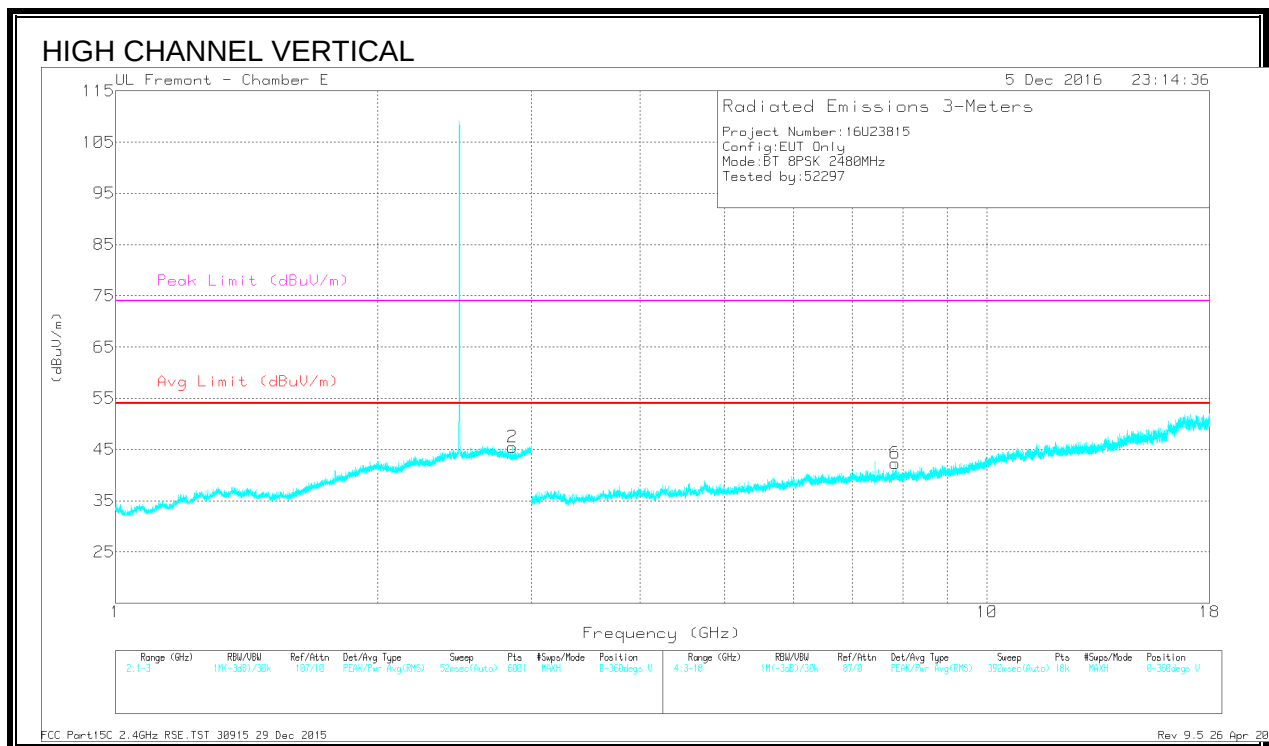
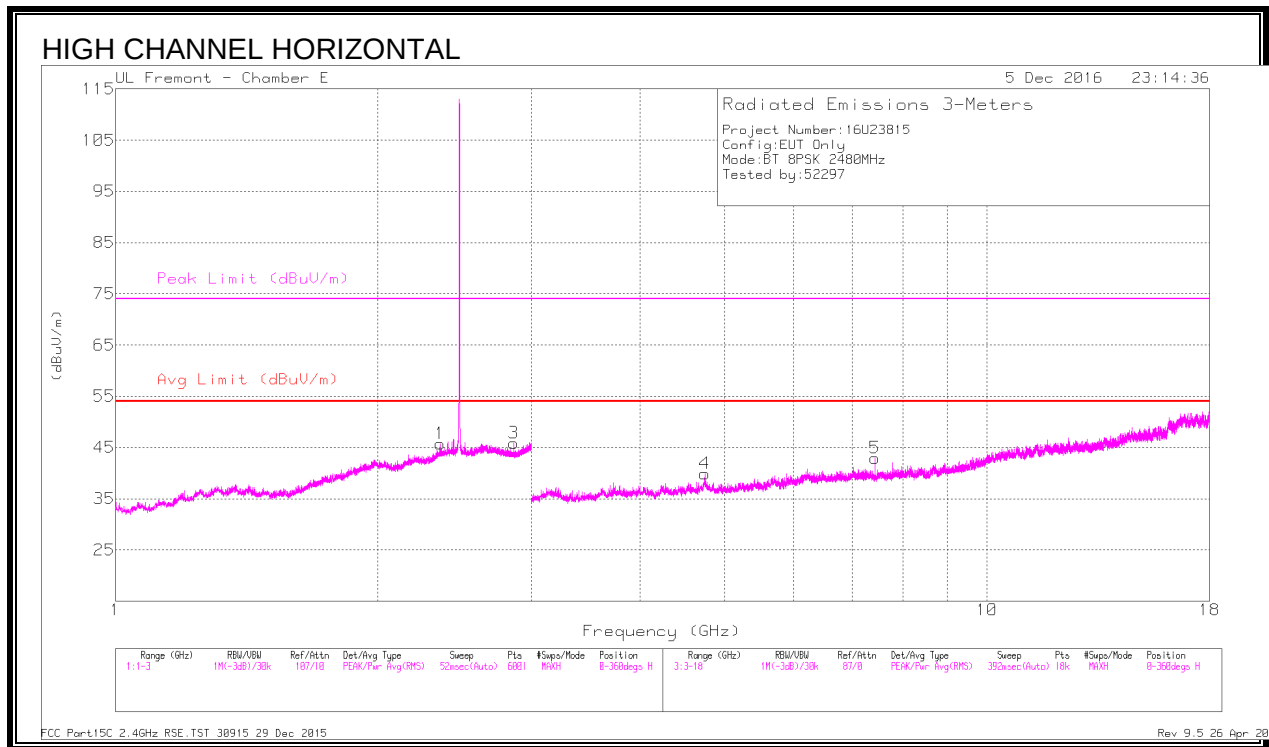
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	* 2.715	36.86	PKFH	32.6	-19.3	50.16	-	-	74	-23.84	174	132	H
	* 2.714	25.36	VA1T	32.6	-19.3	38.66	54	-15.34	-	-	174	132	H
5	* 7.323	37.64	PKFH	35.6	-26.4	46.84	-	-	74	-27.16	135	103	H
	* 7.323	25.91	VA1T	35.6	-26.4	35.11	54	-18.89	-	-	135	103	H
6	* 8.1	36.53	PKFH	35.6	-25.8	46.33	-	-	74	-27.67	190	239	V
	* 8.099	25.43	VA1T	35.6	-25.8	35.23	54	-18.77	-	-	190	239	V
1	1.872	35.6	PKFH	31.1	-20.3	46.4	-	-	-	-	291	355	H
2	2.403	38.93	PKFH	32.2	-19.7	51.43	-	-	-	-	207	129	H
3	2.479	39.71	PKFH	32.3	-19.7	52.31	-	-	-	-	153	137	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



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	* 2.356	38.95	PKFH	31.9	-19.8	51.05	-	-	74	-22.95	271	121	H
	* 2.356	29.13	VA1T	31.9	-19.8	41.23	54	-12.77	-	-	271	121	H
2	* 2.854	36.35	PKFH	32.1	-19.4	49.05	-	-	74	-24.95	82	262	V
	* 2.854	25.01	VA1T	32.1	-19.4	37.71	54	-16.29	-	-	82	262	V
3	* 2.864	36.19	PKFH	32.1	-19.3	48.99	-	-	74	-25.01	127	215	H
	* 2.864	24.94	VA1T	32.1	-19.3	37.74	54	-16.26	-	-	127	215	H
4	* 4.742	39.25	PKFH	34	-29	44.25	-	-	74	-29.75	159	107	H
	* 4.743	27.97	VA1T	34	-29	32.97	54	-21.03	-	-	159	107	H
5	* 7.442	38	PKFH	35.5	-27.3	46.2	-	-	74	-27.8	139	113	H
	* 7.441	26.58	VA1T	35.5	-27.3	34.78	54	-19.22	-	-	139	113	H
6	7.84	36.47	PKFH	35.7	-25.5	46.67	-	-	-	-	191	101	V

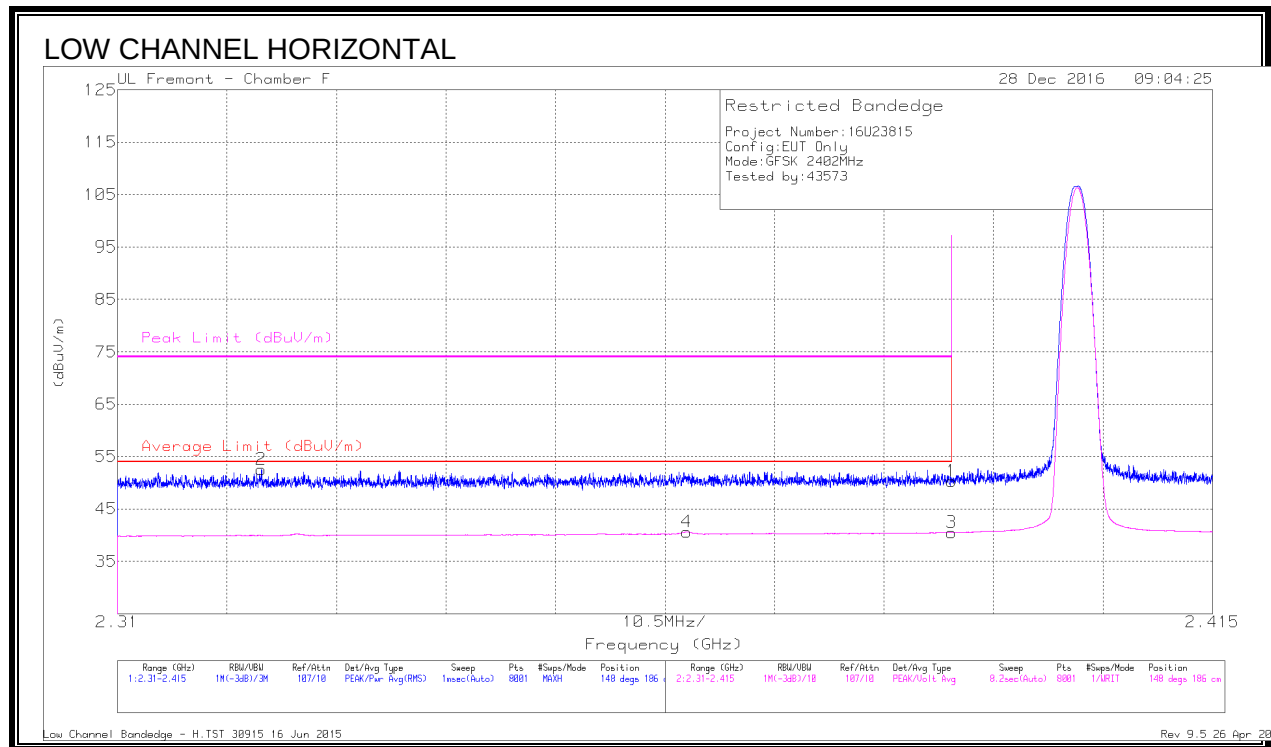
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

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

9.4. LOW POWER BASIC DATA RATE GFSK MODULATION

9.4.1. RESTRICTED BANDEDGE (LOW CHANNEL)

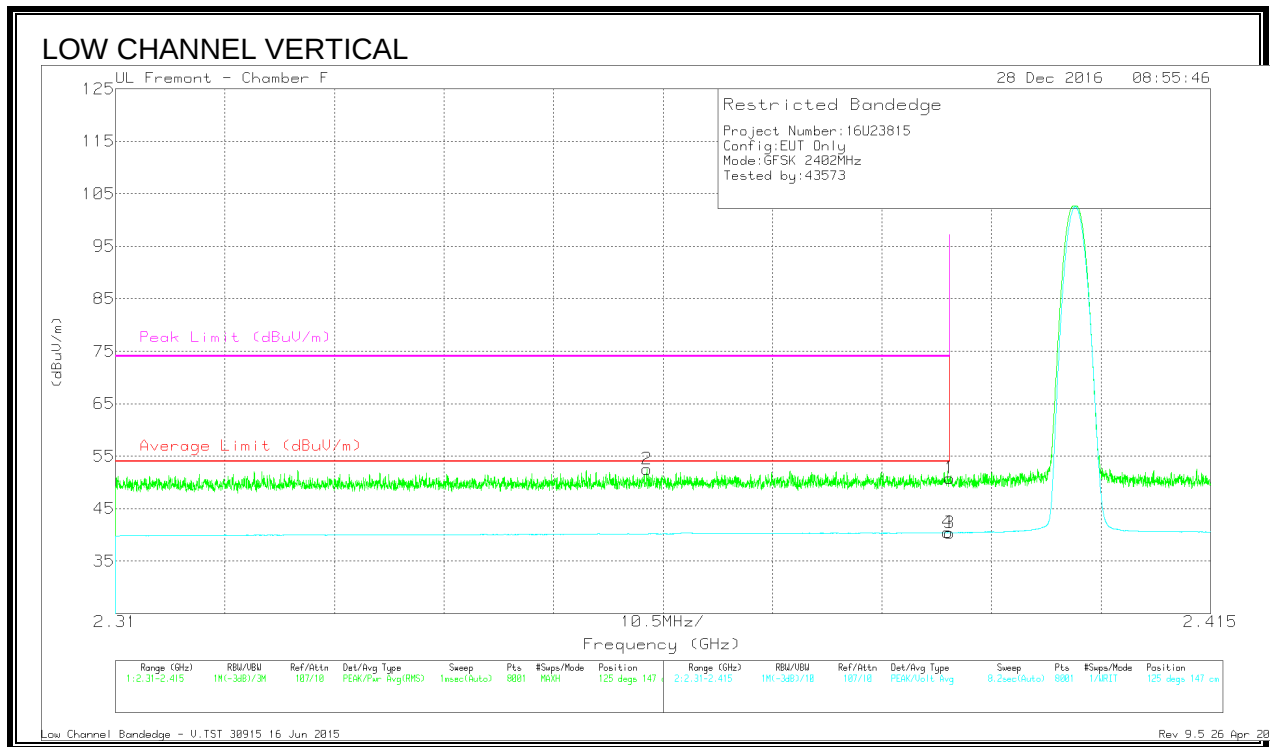


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.13	Pk	32.1	-20.9	50.33	-	-	74	-23.67	148	186	H
2	* 2.324	41.67	Pk	31.8	-20.9	52.57	-	-	74	-21.43	148	186	H
3	* 2.39	29.28	VA1T	32.1	-20.9	40.48	54	-13.52	-	-	148	186	H
4	* 2.365	29.5	VA1T	32	-20.9	40.6	54	-13.4	-	-	148	186	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



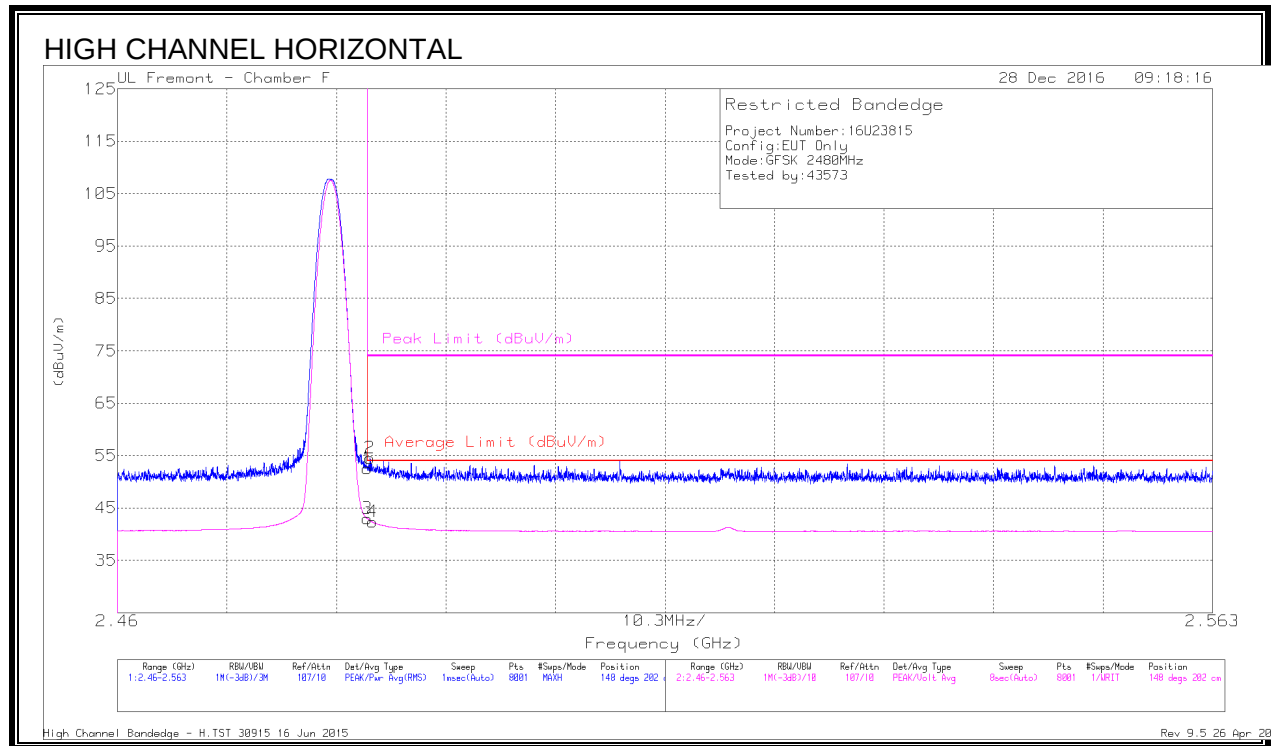
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.61	Pk	32.1	-20.9	50.81	-	-	74	-23.19	125	147	V
2	* 2.361	41.41	Pk	32	-20.9	52.51	-	-	74	-21.49	125	147	V
3	* 2.39	29.18	VA1T	32.1	-20.9	40.38	54	-13.62	-	-	125	147	V
4	* 2.39	29.23	VA1T	32.1	-20.9	40.43	54	-13.57	-	-	125	147	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

9.4.2. AUTHORIZED BANDEDGE (HIGH CHANNEL)

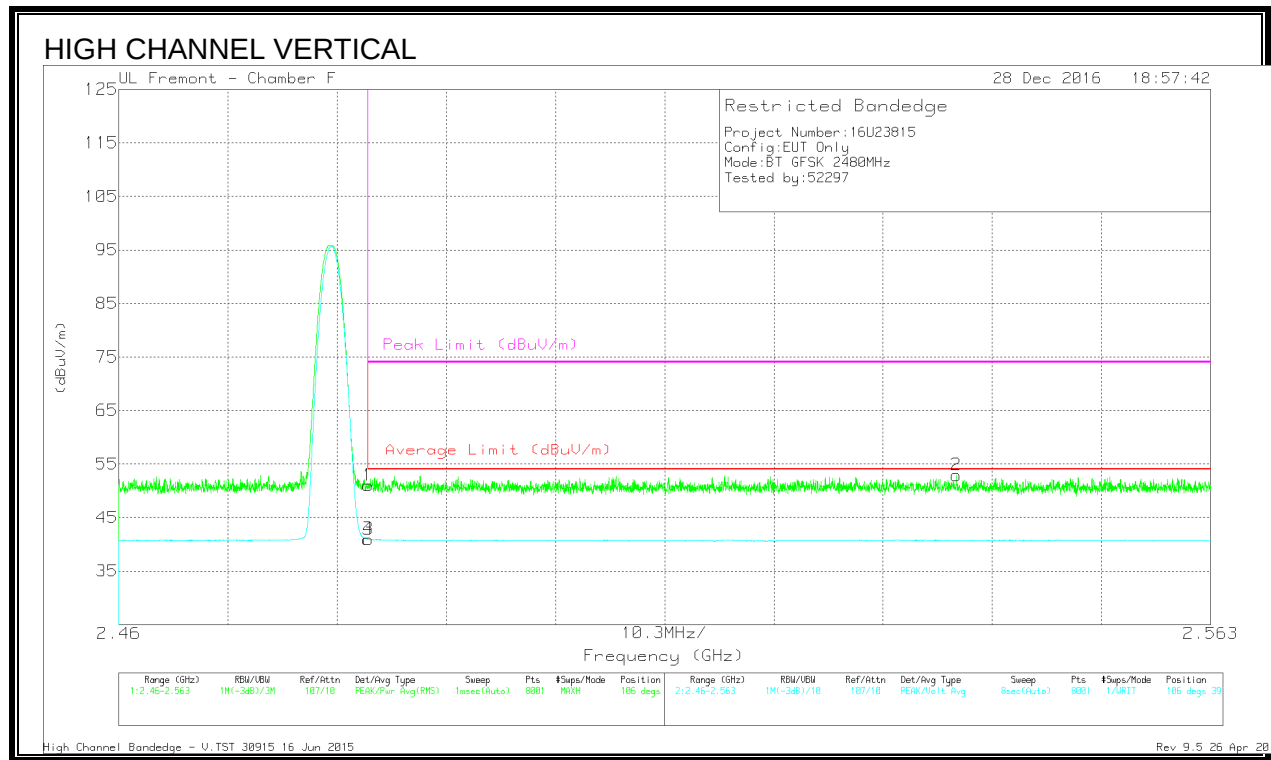


Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.18	Pk	32.3	-21	52.48	-	-	74	-21.52	148	202	H
2	* 2.484	43.2	Pk	32.3	-21	54.5	-	-	74	-19.5	148	202	H
3	* 2.484	31.64	VA1T	32.3	-21	42.94	54	-11.06	-	-	148	202	H
4	* 2.484	30.99	VA1T	32.3	-21	42.29	54	-11.71	-	-	148	202	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



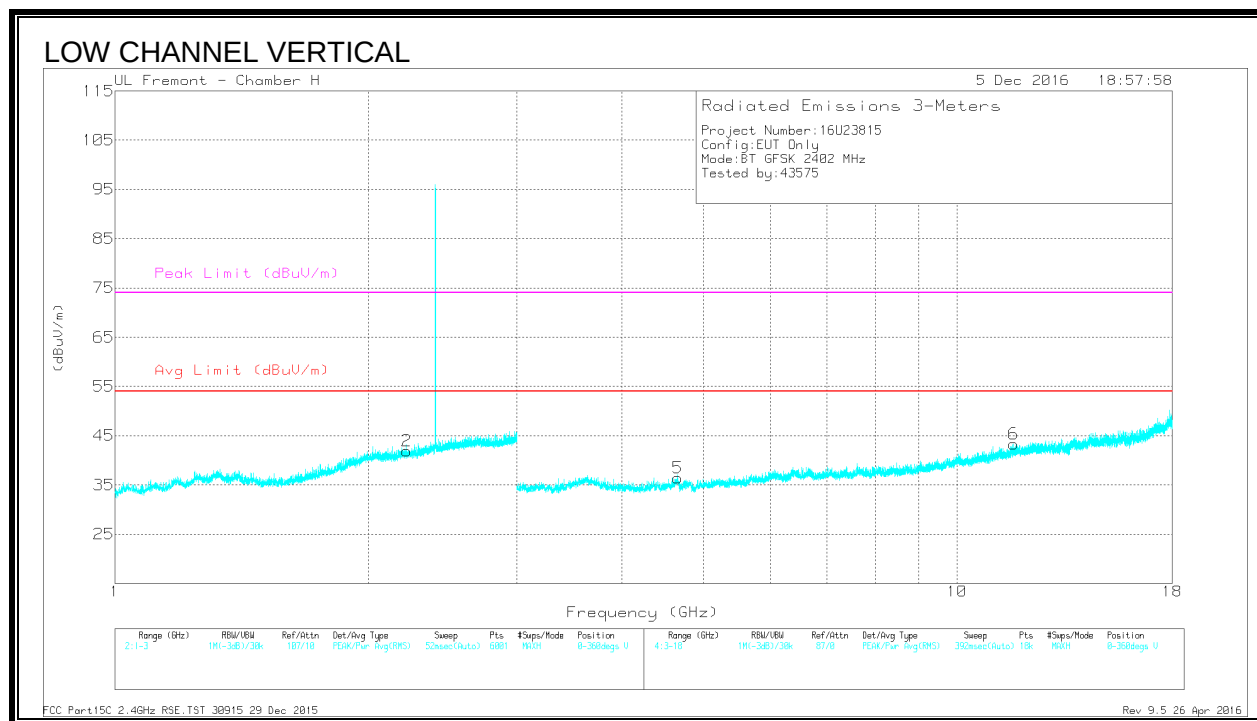
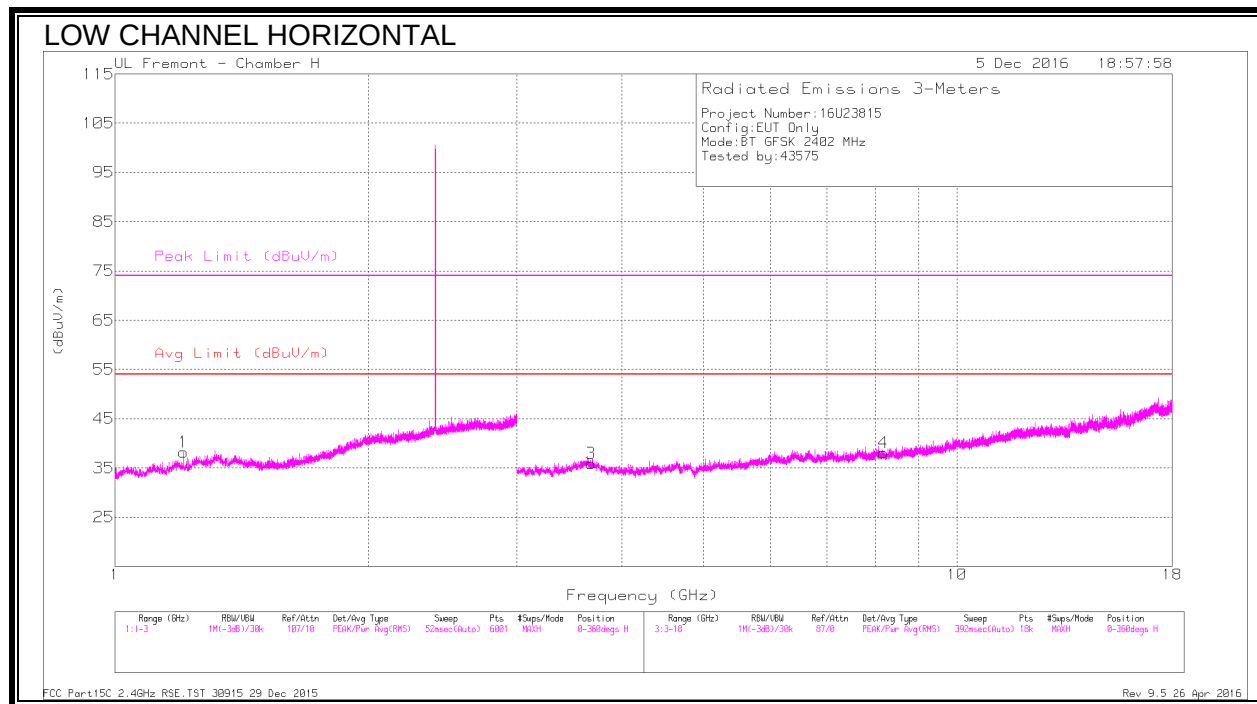
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Filt/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.7	Pk	32.3	-21	51	-	-	74	-23	106	397	V
2	2.539	41.6	Pk	32.2	-20.9	52.9	-	-	74	-21.1	106	397	V
3	* 2.484	29.64	VA1T	32.3	-21	40.94	54	-13.06	-	-	106	397	V
4	* 2.484	29.66	VA1T	32.3	-21	40.96	54	-13.04	-	-	106	397	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

9.4.3. HARMONICS AND SPURIOUS EMISSIONS



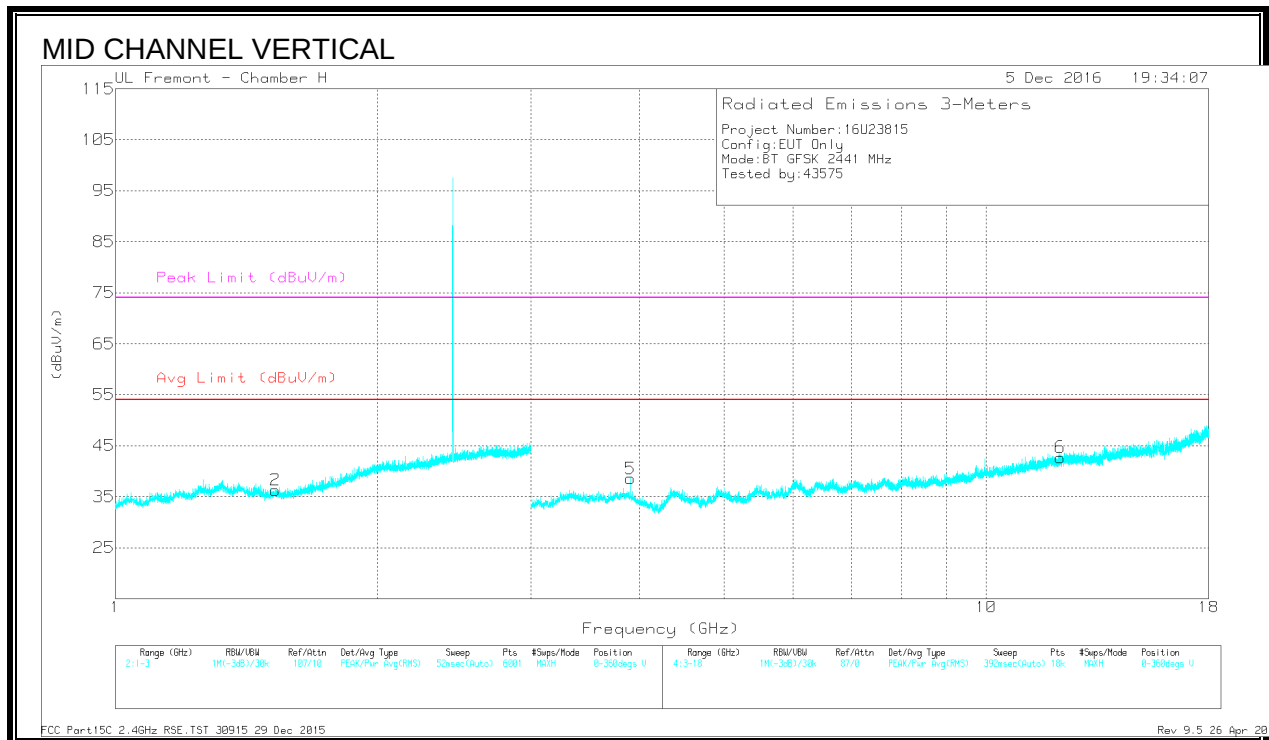
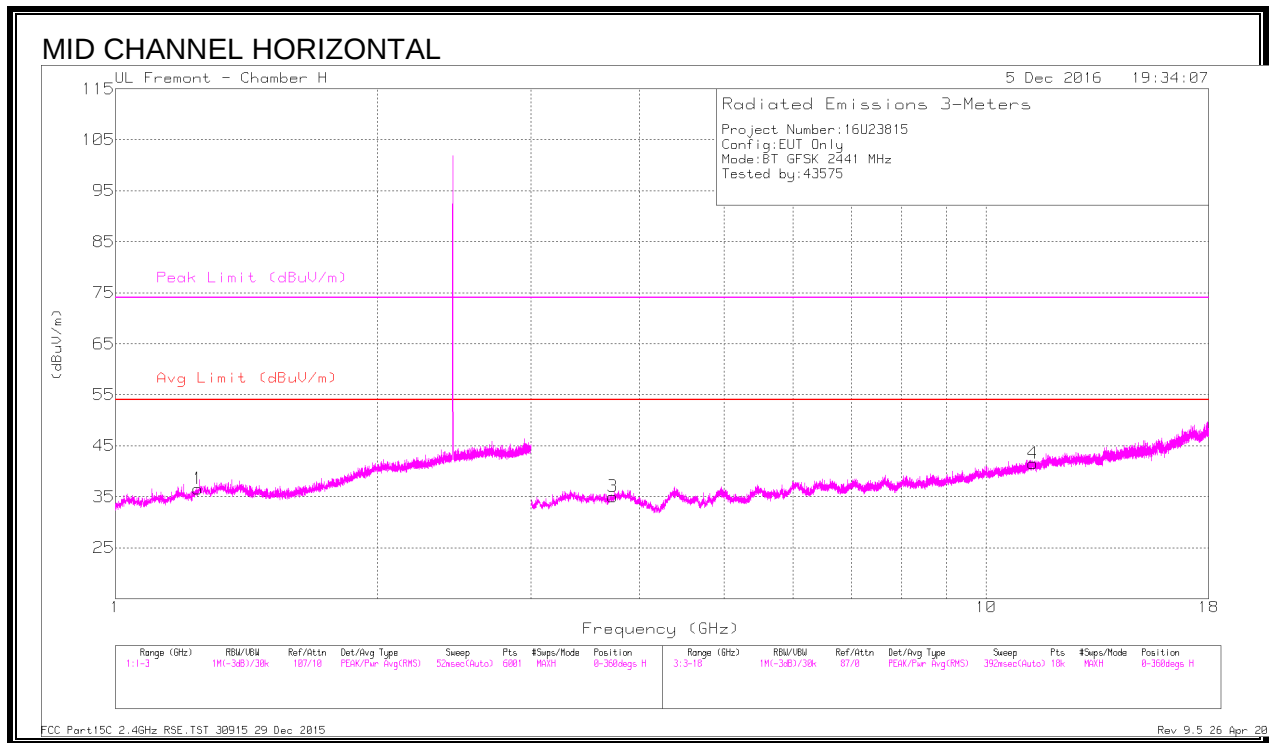
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.208	35.94	PKFH	28.7	-22.2	42.44	-	-	74	-31.56	295	330	H
	* 1.205	20.65	VA1T	28.7	-22.2	27.15	54	-26.85	-	-	295	330	H
2	* 4.661	42.66	PKFH	34	-34.4	42.26	-	-	74	-31.74	238	180	V
	* 4.66	31.13	VA1T	34	-34.4	30.73	54	-23.27	-	-	238	180	V
3	* 11.673	36.38	PKFH	39	-26.1	49.28	-	-	74	-24.72	299	322	V
	* 11.673	23.88	VA1T	39	-26.2	36.68	54	-17.32	-	-	299	322	V
4	* 2.22	36.19	PKFH	31.7	-20.1	47.79	-	-	74	-26.21	319	154	V
	* 2.218	20	VA1T	31.7	-20.1	31.6	54	-22.4	-	-	319	154	V
5	* 3.672	43.48	PKFH	34.9	-35.9	42.48	-	-	74	-31.52	201	151	H
	* 3.676	31.86	VA1T	34.9	-35.9	30.86	54	-23.14	-	-	201	151	H
6	* 8.176	38.67	PKFH	35.8	-30.5	43.97	-	-	74	-30.03	308	231	H
	* 8.177	27.02	VA1T	35.8	-30.5	32.32	54	-21.68	-	-	308	231	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



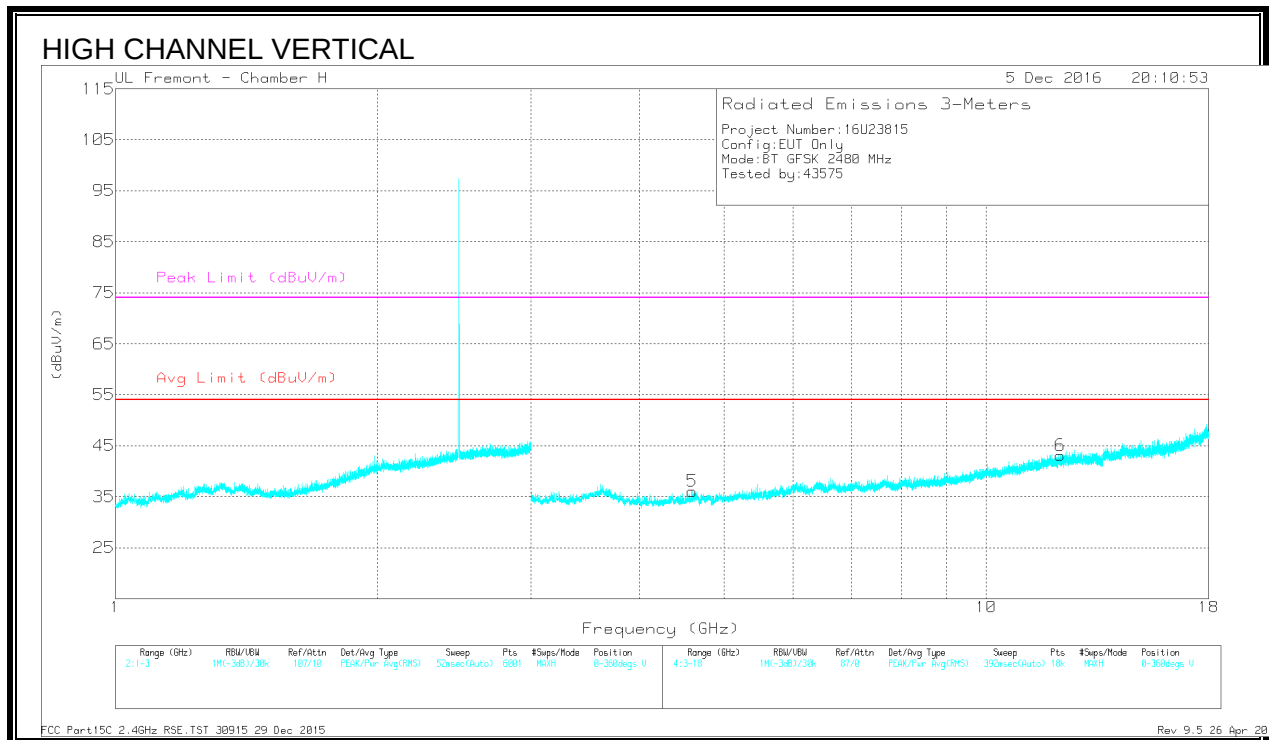
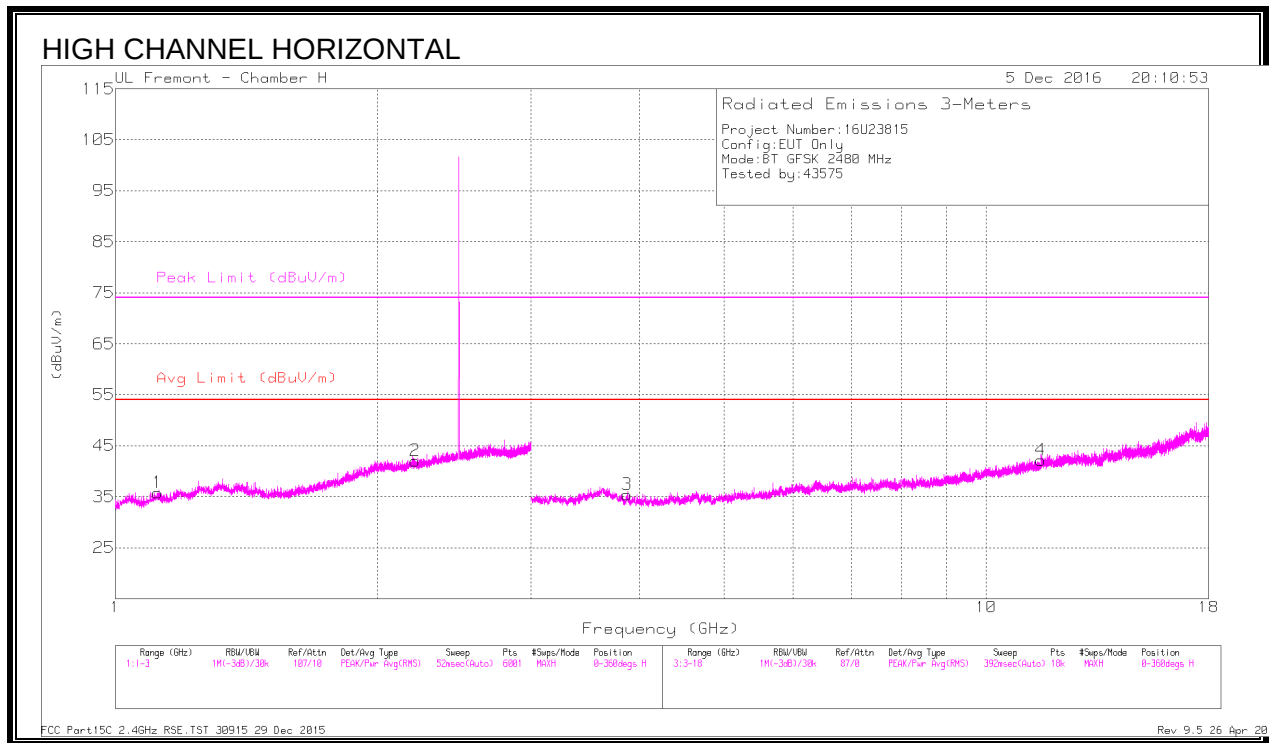
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pa d (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	37.41	PKFH	29.2	-22.2	44.41	-	-	74	-29.59	212	111	H
	* 1.247	21.59	VA1T	29.2	-22.2	28.59	54	-25.41	-	-	212	111	H
2	* 1.527	36.79	PKFH	28	-21.4	43.39	-	-	74	-30.61	177	298	V
	* 1.526	20.62	VA1T	28	-21.3	27.32	54	-26.68	-	-	177	298	V
3	* 3.726	44.96	PKFH	34.7	-35.8	43.86	-	-	74	-30.14	234	162	H
	* 3.726	31.81	VA1T	34.7	-35.8	30.71	54	-23.29	-	-	234	162	H
4	* 11.31	37.05	PKFH	38.6	-26.8	48.85	-	-	74	-25.15	199	171	H
	* 11.312	24.31	VA1T	38.6	-26.8	36.11	54	-17.89	-	-	199	171	H
5	* 3.905	43.75	PKFH	33.6	-35.3	42.05	-	-	74	-31.95	183	125	V
	* 3.906	34.49	VA1T	33.6	-35.3	32.79	54	-21.21	-	-	183	125	V
6	* 12.162	36.04	PKFH	39.3	-26.2	49.14	-	-	74	-24.86	273	145	V
	* 12.158	23.81	VA1T	39.3	-26.2	36.91	54	-17.09	-	-	273	145	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



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.117	36.34	PKFH	28	-22.4	41.94	-	-	74	-32.06	343	311	H
	* 1.117	21.45	VA1T	28	-22.4	27.05	54	-26.95	-	-	343	311	H
2	* 2.21	36.84	PKFH	31.7	-20.2	48.34	-	-	74	-25.66	50	162	H
	* 2.212	20	VA1T	31.7	-20.2	31.5	54	-22.5	-	-	50	162	H
3	* 3.874	43.59	PKFH	33.7	-35.1	42.19	-	-	74	-31.81	58	233	H
	* 3.874	31.39	VA1T	33.7	-35.1	29.99	54	-24.01	-	-	58	233	H
4	* 11.55	37.18	PKFH	38.8	-26.7	49.28	-	-	74	-24.72	91	375	H
	* 11.549	24.09	VA1T	38.8	-26.7	36.19	54	-17.81	-	-	91	375	H
5	* 4.6	43.82	PKFH	34	-34.9	42.92	-	-	74	-31.08	58	365	V
	* 4.6	31.19	VA1T	34	-34.9	30.29	54	-23.71	-	-	58	365	V
6	* 12.157	37.13	PKFH	39.3	-26.2	50.23	-	-	74	-23.77	171	347	V
	* 12.158	23.92	VA1T	39.3	-26.2	37.02	54	-16.98	-	-	171	347	V

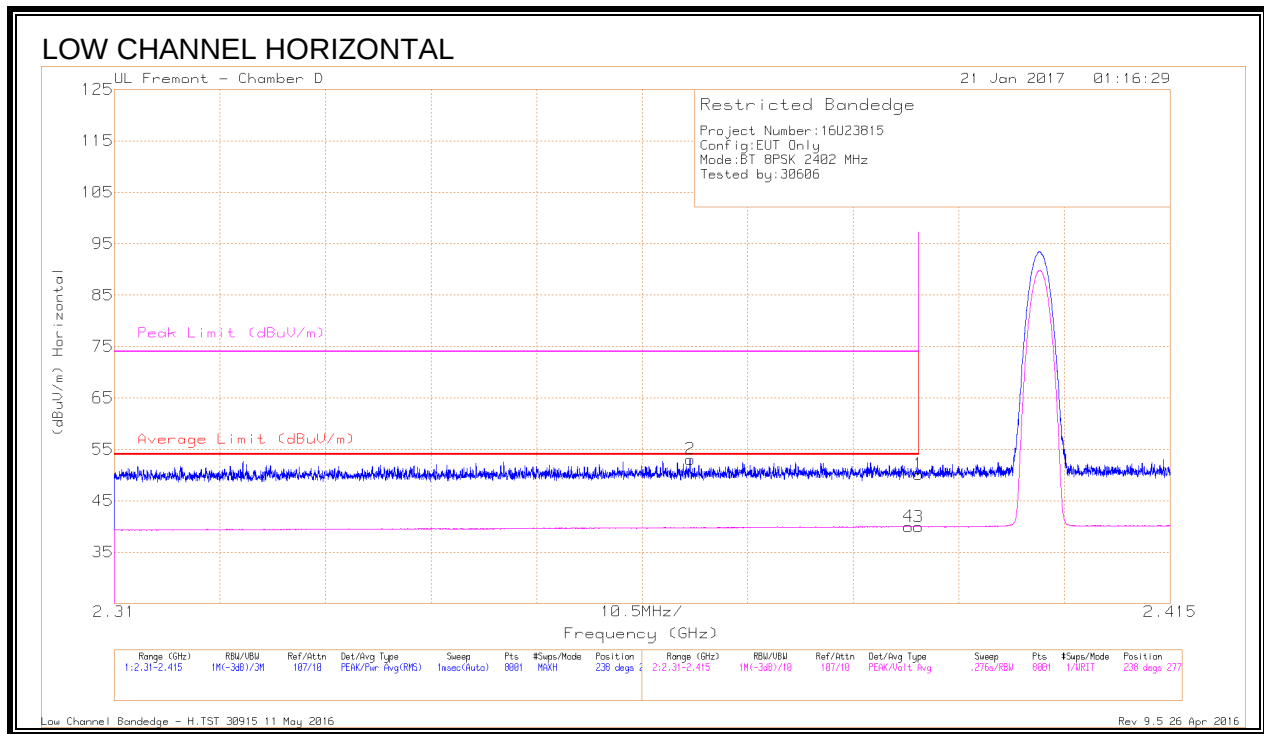
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

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

9.5. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

9.5.1. RESTRICTED BANDEDGE (LOW CHANNEL)

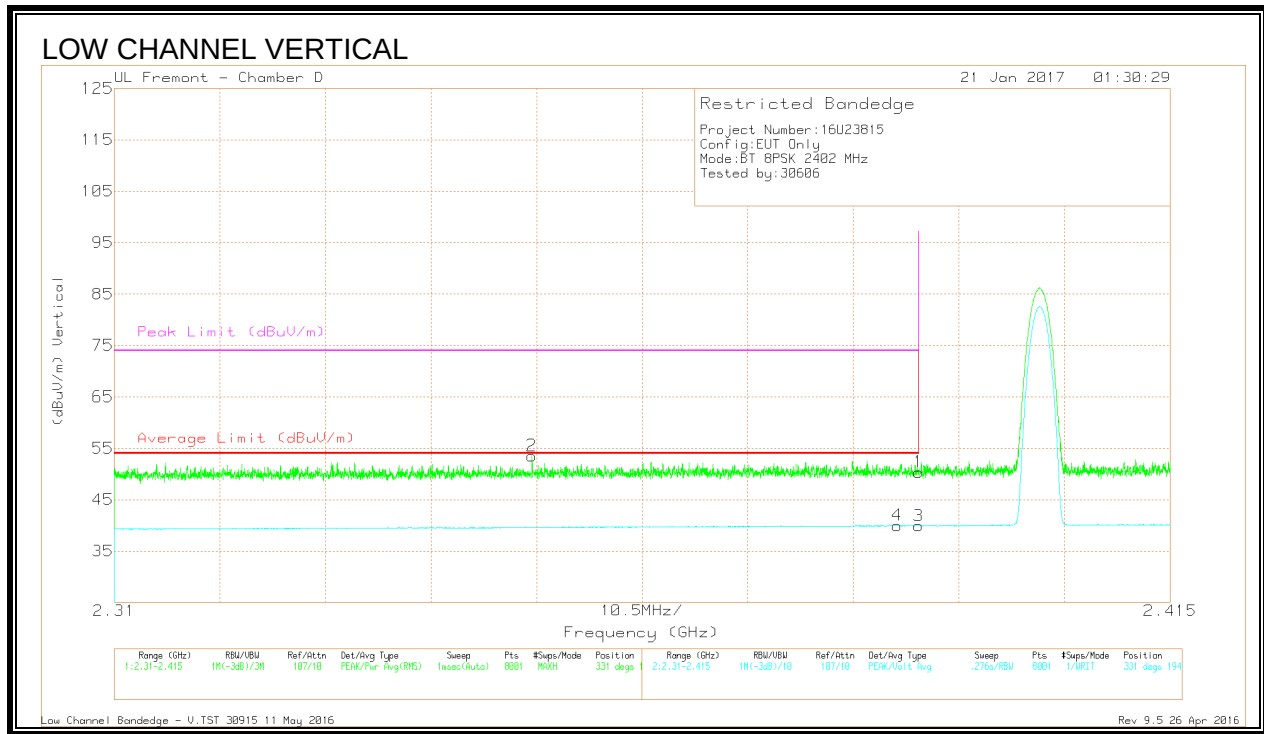


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.83	Pk	32	-20.7	50.13	-	-	74	-23.87	238	277	H
2	* 2.367	42.07	Pk	31.8	-20.8	53.07	-	-	74	-20.93	238	277	H
3	* 2.39	28.62	VA1T	32	-20.7	39.92	54	-14.08	-	-	238	277	H
4	* 2.389	28.79	VA1T	32	-20.8	39.99	54	-14.01	-	-	238	277	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



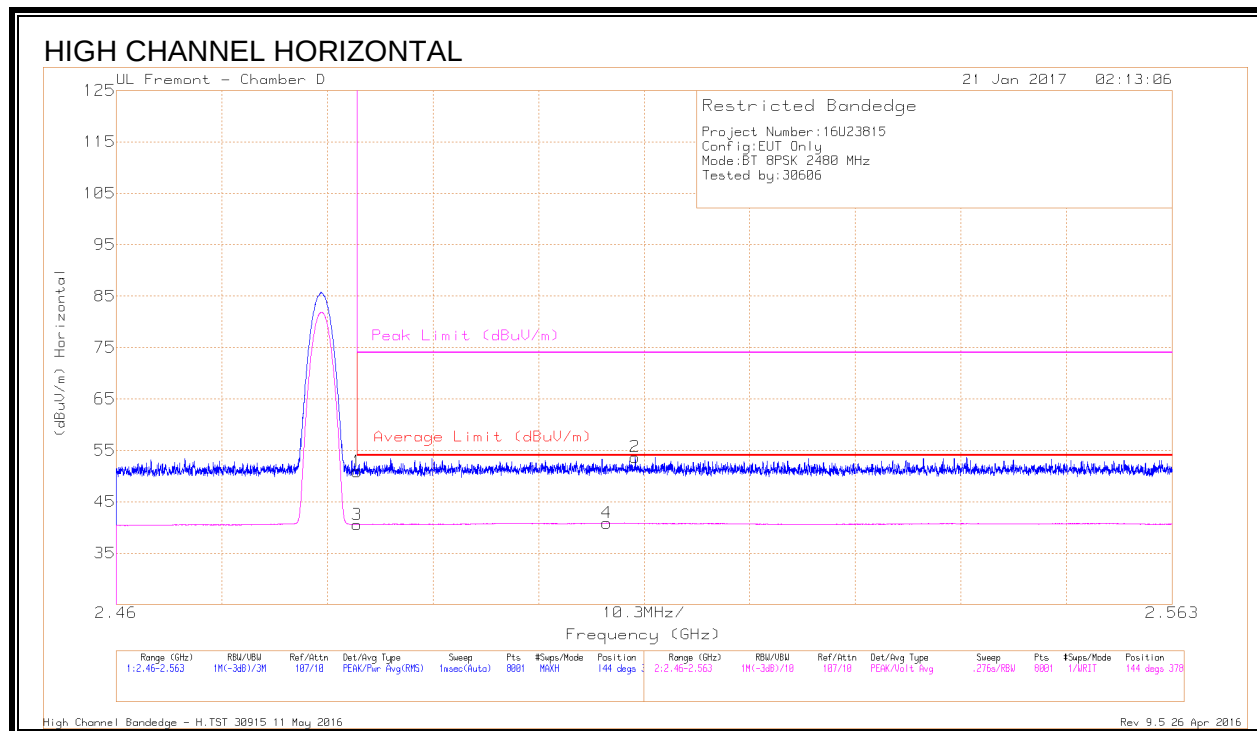
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.09	Pk	32	-20.7	50.39	-	-	74	-23.61	331	194	V
2	* 2.352	42.73	Pk	31.7	-20.9	53.53	-	-	74	-20.47	331	194	V
3	* 2.39	28.64	VA1T	32	-20.7	39.94	54	-14.06	-	-	331	194	V
4	* 2.388	28.8	VA1T	32	-20.8	40	54	-14	-	-	331	194	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

9.5.2. AUTHORIZED BANDEDGE (HIGH CHANNEL)

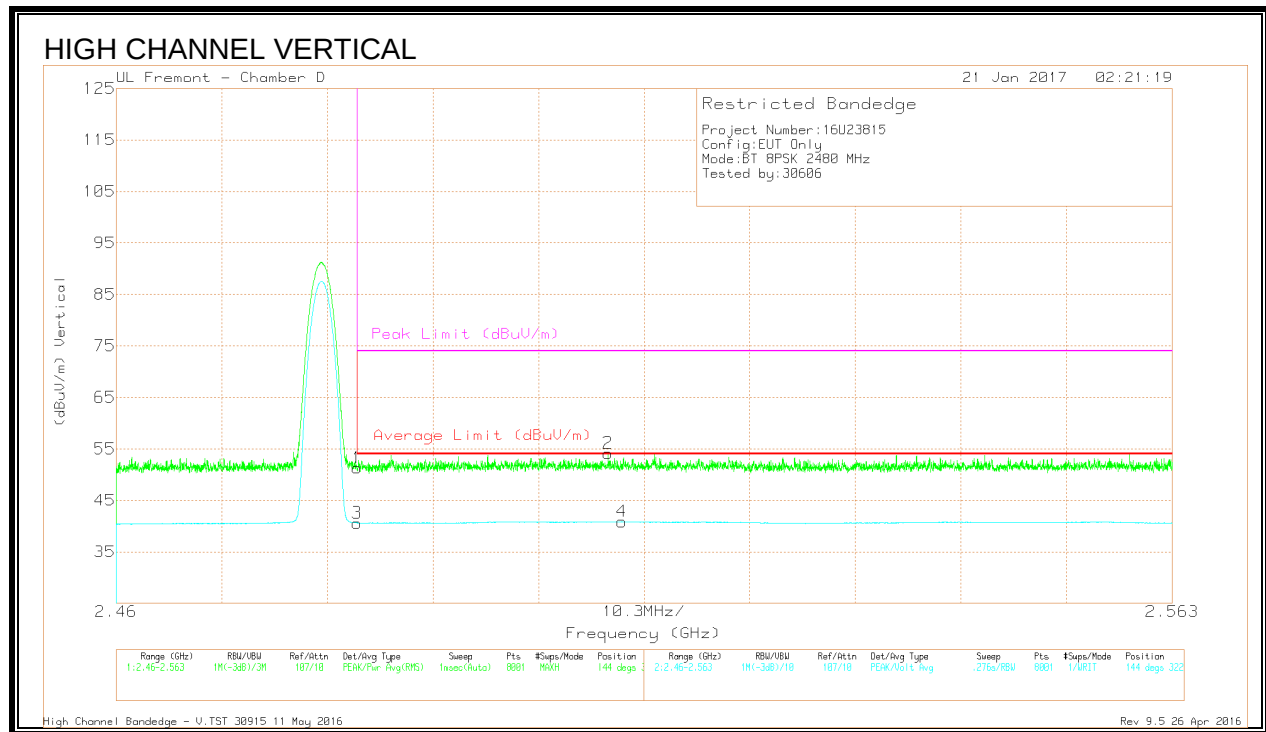


Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimat h (Degs)	Height (cm)	Polarity
1	* 2.484	39.19	Pk	32.5	-20.8	50.89	-	-	74	-23.11	144	378	H
3	* 2.484	28.86	VA1T	32.5	-20.8	40.56	54	-13.44	-	-	144	378	H
4	2.508	28.87	VA1T	32.6	-20.6	40.87	54	-13.13	-	-	144	378	H
2	2.511	41.69	Pk	32.6	-20.6	53.69	-	-	74	-20.31	144	378	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



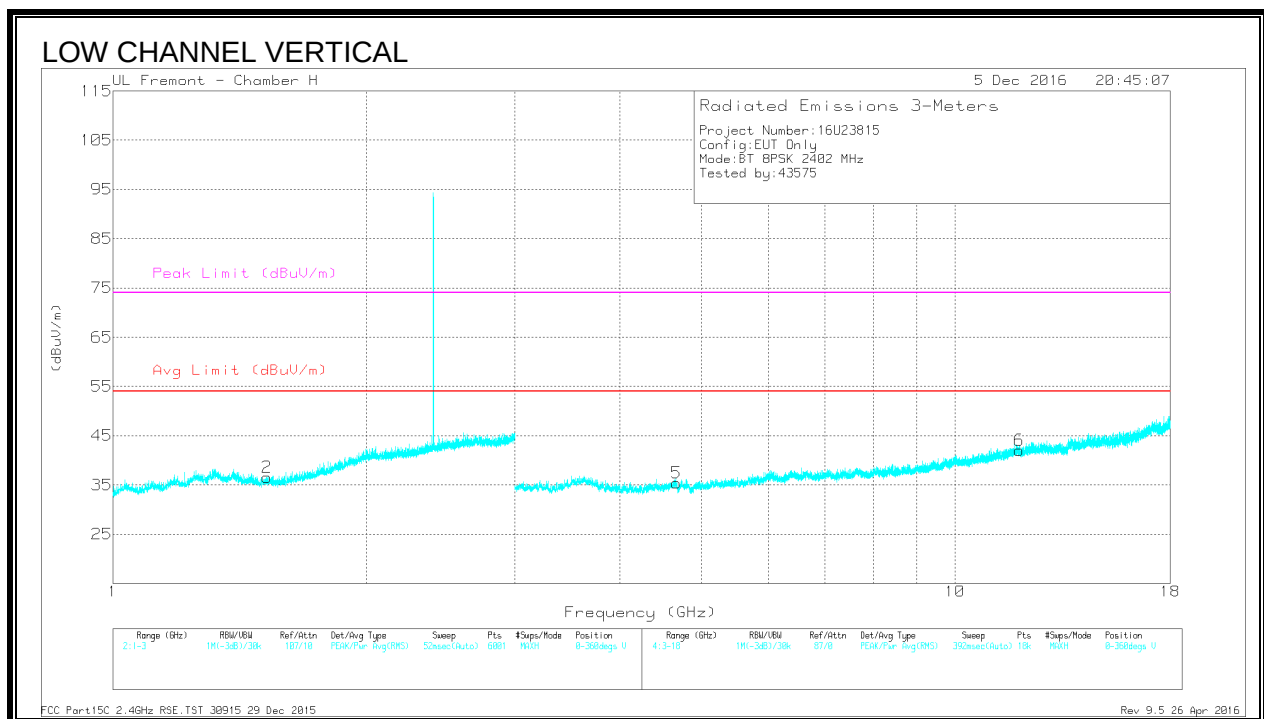
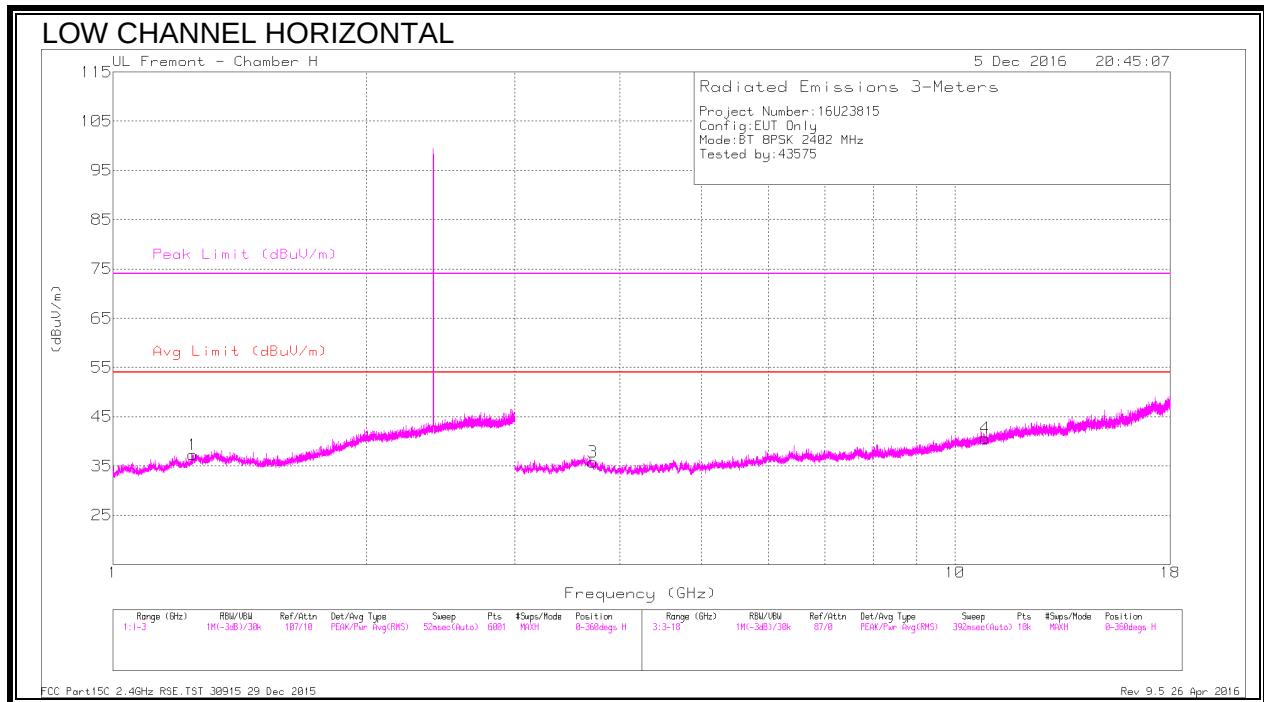
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.57	Pk	32.5	-20.8	51.27	-	-	74	-22.73	144	322	V
3	* 2.484	28.9	VA1T	32.5	-20.8	40.6	54	-13.4	-	-	144	322	V
2	2.508	42.15	Pk	32.6	-20.6	54.15	-	-	74	-19.85	144	322	V
4	2.509	28.87	VA1T	32.6	-20.6	40.87	54	-13.13	-	-	144	322	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

9.5.3. HARMONICS AND SPURIOUS EMISSIONS



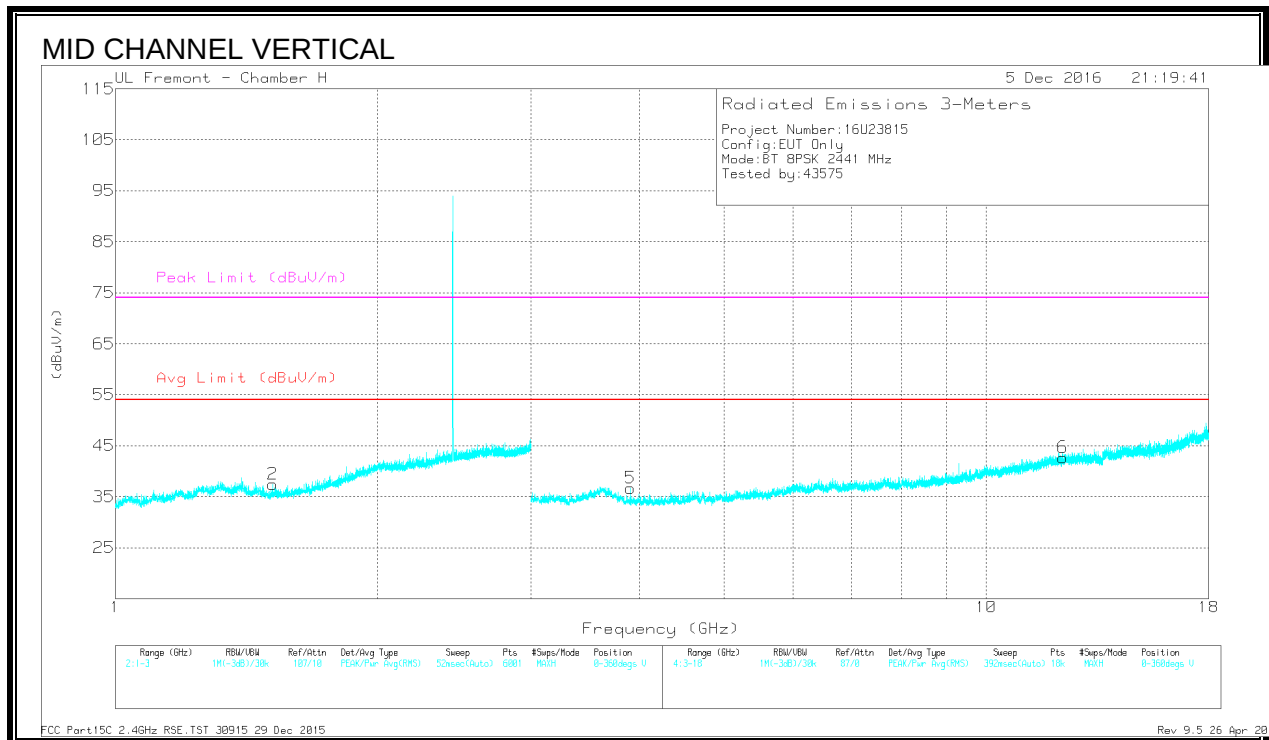
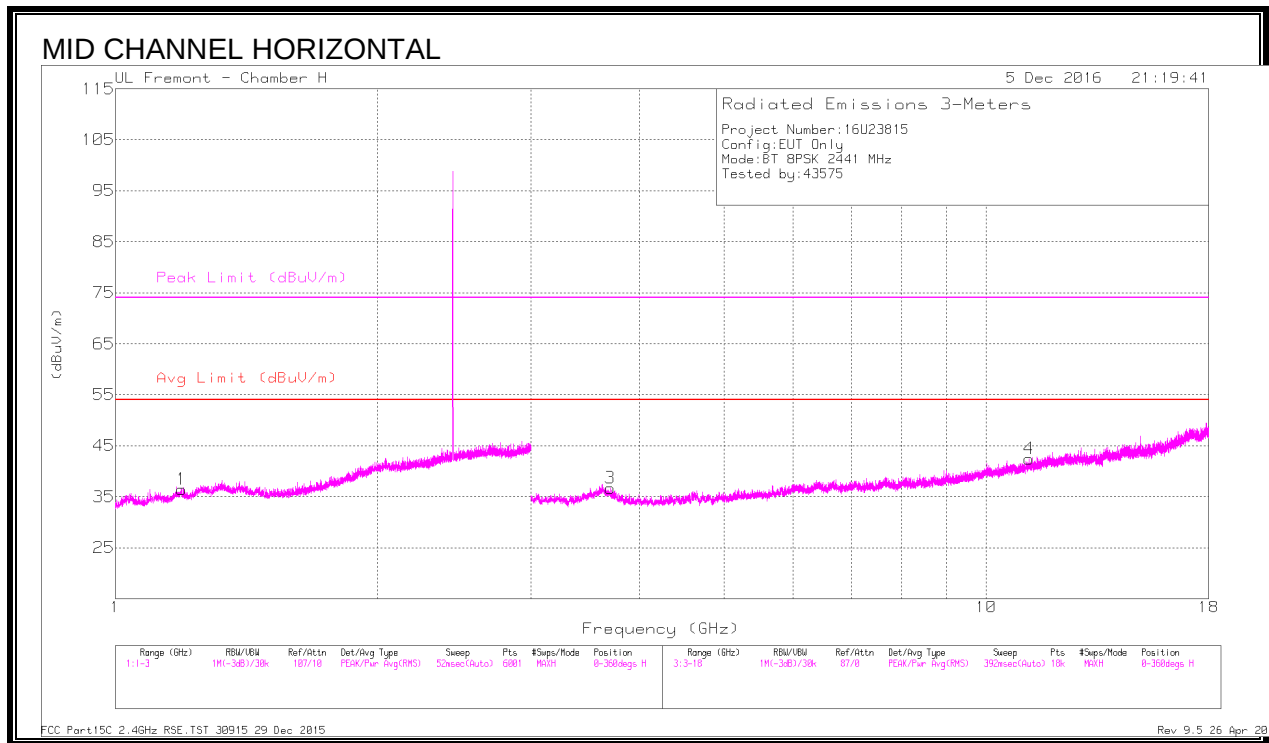
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.243	37.04	PKFH	29.1	-22.3	43.84	-	-	74	-30.16	58	381	H
	* 1.246	21.5	VA1T	29.2	-22.2	28.5	54	-25.5	-	-	58	381	H
2	* 1.525	35.98	PKFH	28	-21.3	42.68	-	-	74	-31.32	307	314	V
	* 1.524	19.95	VA1T	28	-21.3	26.65	54	-27.35	-	-	307	314	V
3	* 3.713	44.06	PKFH	34.8	-35.9	42.96	-	-	74	-31.04	28	175	H
	* 3.714	31.87	VA1T	34.8	-35.9	30.77	54	-23.23	-	-	28	175	H
4	* 10.862	36.67	PKFH	38.2	-28	46.87	-	-	74	-27.13	69	100	H
	* 10.86	24.73	VA1T	38.2	-27.9	35.03	54	-18.97	-	-	69	100	H
5	* 4.664	41.55	PKFH	34	-34.3	41.25	-	-	74	-32.75	263	256	V
	* 4.665	30.65	VA1T	34	-34.3	30.35	54	-23.65	-	-	263	256	V
6	* 11.912	36.07	PKFH	39.1	-26.2	48.97	-	-	74	-25.03	166	303	V
	* 11.915	23.96	VA1T	39.1	-26.2	36.86	54	-17.14	-	-	166	303	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



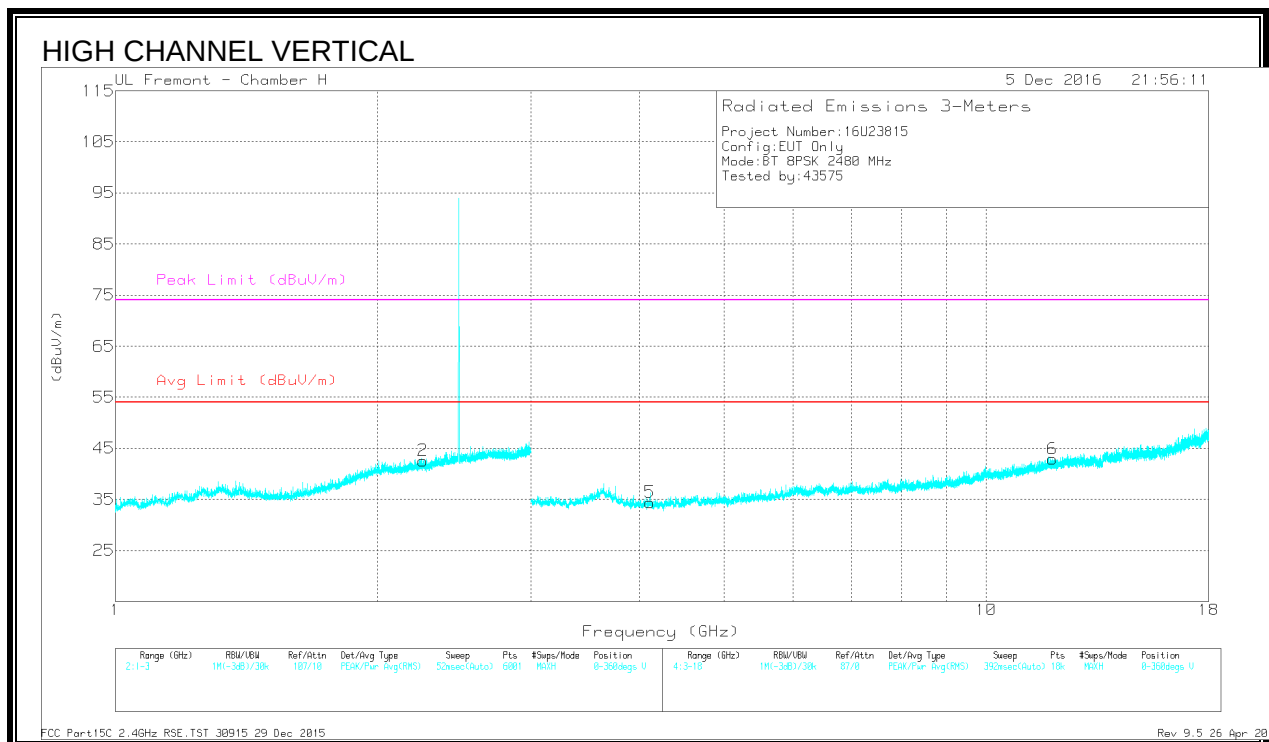
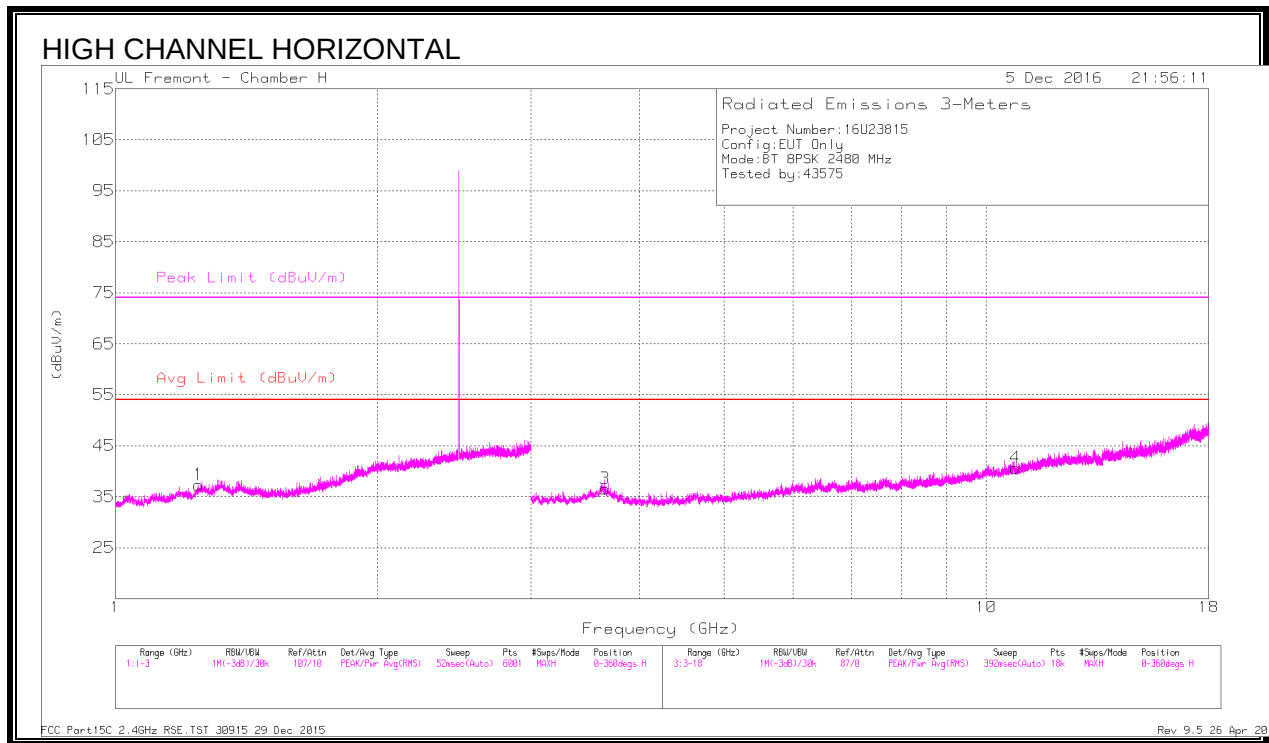
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.193	36.75	PKFH	28.6	-22.2	43.15	-	-	74	-30.85	110	216	H
	* 1.19	21.54	VA1T	28.6	-22.2	27.94	54	-26.06	-	-	110	216	H
2	* 1.518	37.05	PKFH	28	-21.3	43.75	-	-	74	-30.25	12	205	V
	* 1.516	20.49	VA1T	28	-21.3	27.19	54	-26.81	-	-	12	205	V
3	* 3.699	43.3	PKFH	34.9	-35.9	42.3	-	-	74	-31.7	37	235	H
	* 3.7	31.84	VA1T	34.9	-35.9	30.84	54	-23.16	-	-	37	235	H
4	* 11.199	36.29	PKFH	38.5	-26.8	47.99	-	-	74	-26.01	44	387	H
	* 11.195	24.66	VA1T	38.5	-26.9	36.26	54	-17.74	-	-	44	387	H
5	* 3.905	45.09	PKFH	33.6	-35.3	43.39	-	-	74	-30.61	327	205	V
	* 3.906	36.9	VA1T	33.6	-35.3	35.2	54	-18.8	-	-	327	205	V
6	* 12.246	36.45	PKFH	39.3	-26	49.75	-	-	74	-24.25	319	118	V
	* 12.245	23.94	VA1T	39.3	-26	37.24	54	-16.76	-	-	319	118	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



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.244	36.73	PKFH	29.1	-22.3	43.53	-	-	74	-30.47	253	244	H
	* 1.248	21.52	VA1T	29.2	-22.2	28.52	54	-25.48	-	-	253	244	H
2	* 2.257	37.32	PKFH	31.6	-20	48.92	-	-	74	-25.08	42	354	V
	* 2.256	20.14	VA1T	31.6	-20.1	31.64	54	-22.36	-	-	42	354	V
3	* 3.65	44.32	PKFH	34.9	-35.8	43.42	-	-	74	-30.58	214	361	H
	* 3.647	31.43	VA1T	34.9	-35.7	30.63	54	-23.37	-	-	214	361	H
4	* 10.802	37.55	PKFH	38.2	-28.1	47.65	-	-	74	-26.35	223	375	H
	* 10.8	25.34	VA1T	38.2	-28.1	35.44	54	-18.56	-	-	223	375	H
5	* 4.109	41.43	PKFH	33.5	-34.7	40.23	-	-	74	-33.77	0	367	V
	* 4.107	29.96	VA1T	33.5	-34.7	28.76	54	-25.24	-	-	0	367	V
6	* 11.911	36.03	PKFH	39.1	-26.2	48.93	-	-	74	-25.07	82	310	V
	* 11.913	24.17	VA1T	39.1	-26.2	37.07	54	-16.93	-	-	82	310	V

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

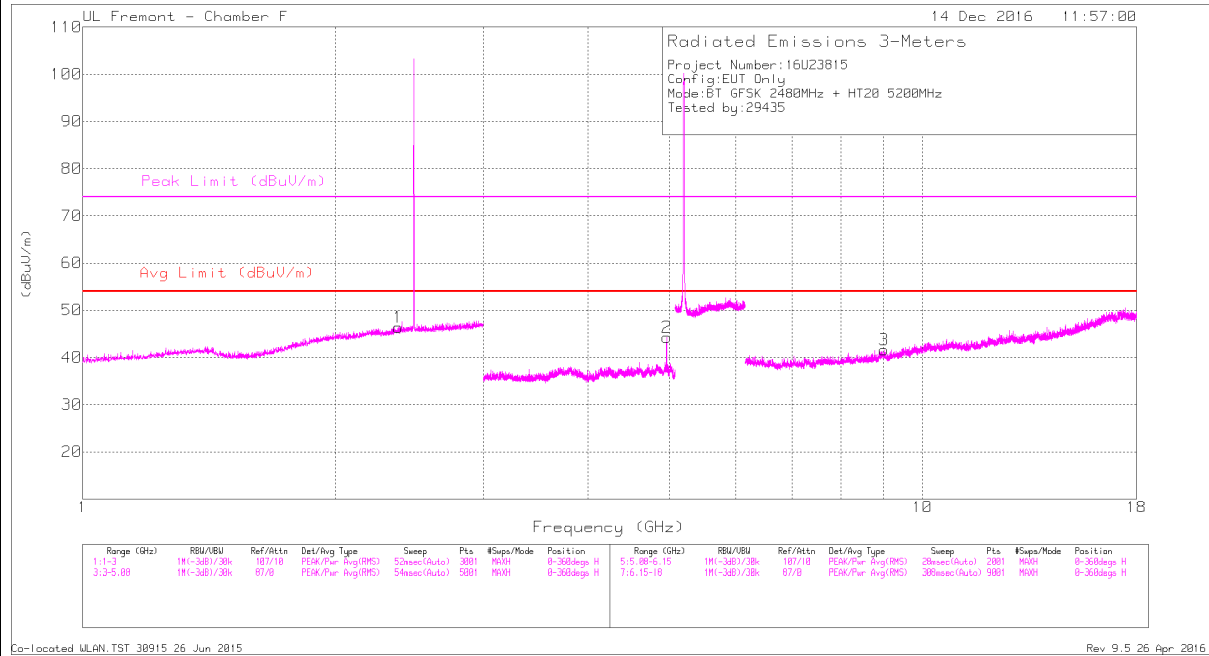
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

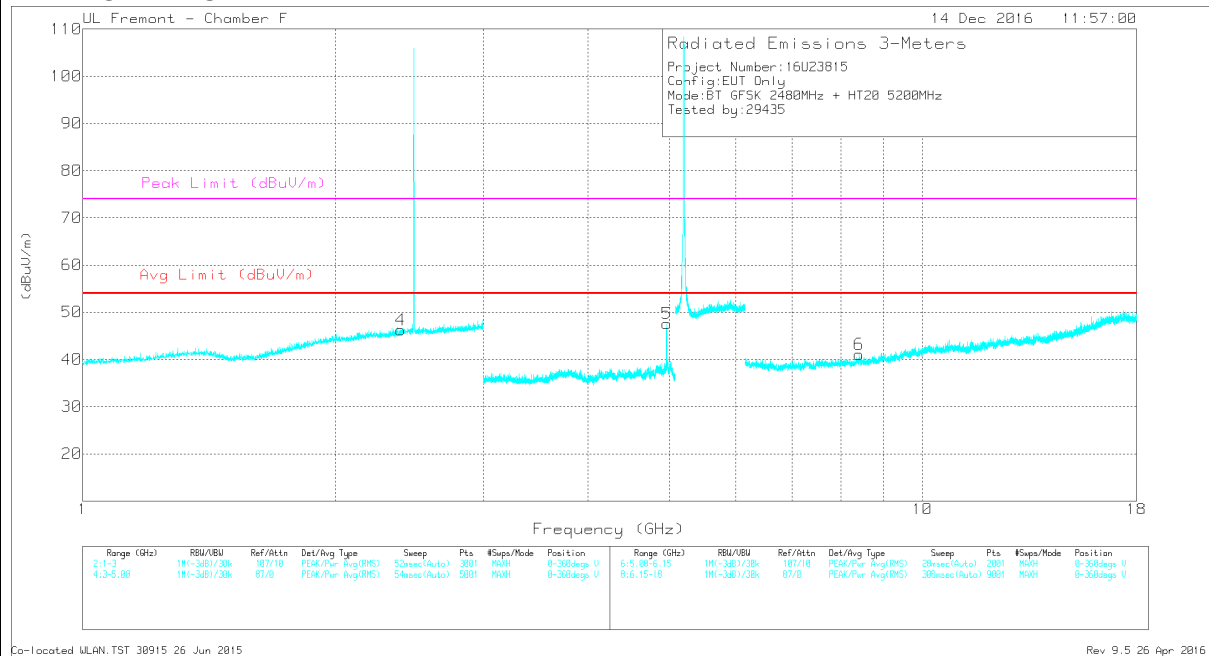
9.6. WORST-CASE CO-LOCATION

BLUETOOTH AND 802.11 HT20 2Tx CDD MODE IN THE 5.2GHz BAND

HORIZONTAL PLOT



VERTICAL PLOT



DATA

Marker	Frequen cy (GHz)	Meter Readi ng (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV /m)	Margin (dB)	Azimu th (Degs)	Heig ht (cm)	Polari ty
1	* 2.379	42.04	PK-U	32.1	-20.9	53.24			74	-20.76	301	168	H
	* 2.377	30.53	ADR	32.1	-20.9	41.73	53.97	-12.24	-	-	301	168	H
4	2.393	41.13	PK-U	32.2	-20.9	52.43			74	-21.57	30	282	V
	2.391	30.55	ADR	32.1	-20.9	41.75	53.97	-12.22	-	-	30	282	V
2	* 4.96	42.53	PK-U	34.2	-28.5	48.23			74	-25.77	80	100	H
	* 4.96	35.6	ADR	34.2	-28.5	41.3	53.97	-12.67	-	-	80	100	H
5	* 4.96	45.73	PK-U	34.2	-28.5	51.43			74	-22.57	83	339	V
	* 4.96	39.57	ADR	34.2	-28.5	45.27	53.97	-8.7	-	-	83	339	V
3	* 9.005	34.08	PK-U	35.9	-22.7	47.28			74	-26.72	19	264	H
	* 9.006	23.73	ADR	35.9	-22.7	36.93	53.97	-17.04	-	-	19	264	H
6	* 8.417	34.57	PK-U	35.7	-23.9	46.37			74	-27.63	49	355	V
	* 8.416	24.16	ADR	35.7	-23.9	35.96	53.97	-18.01	-	-	49	355	V

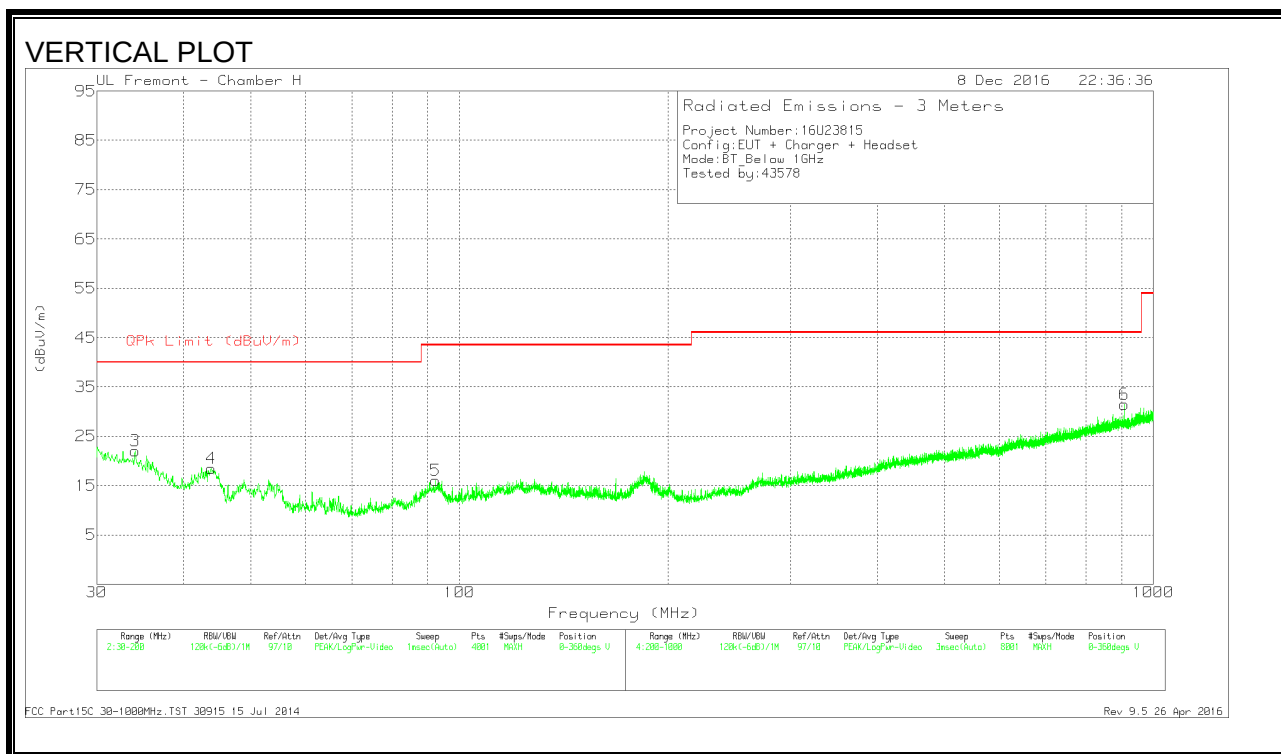
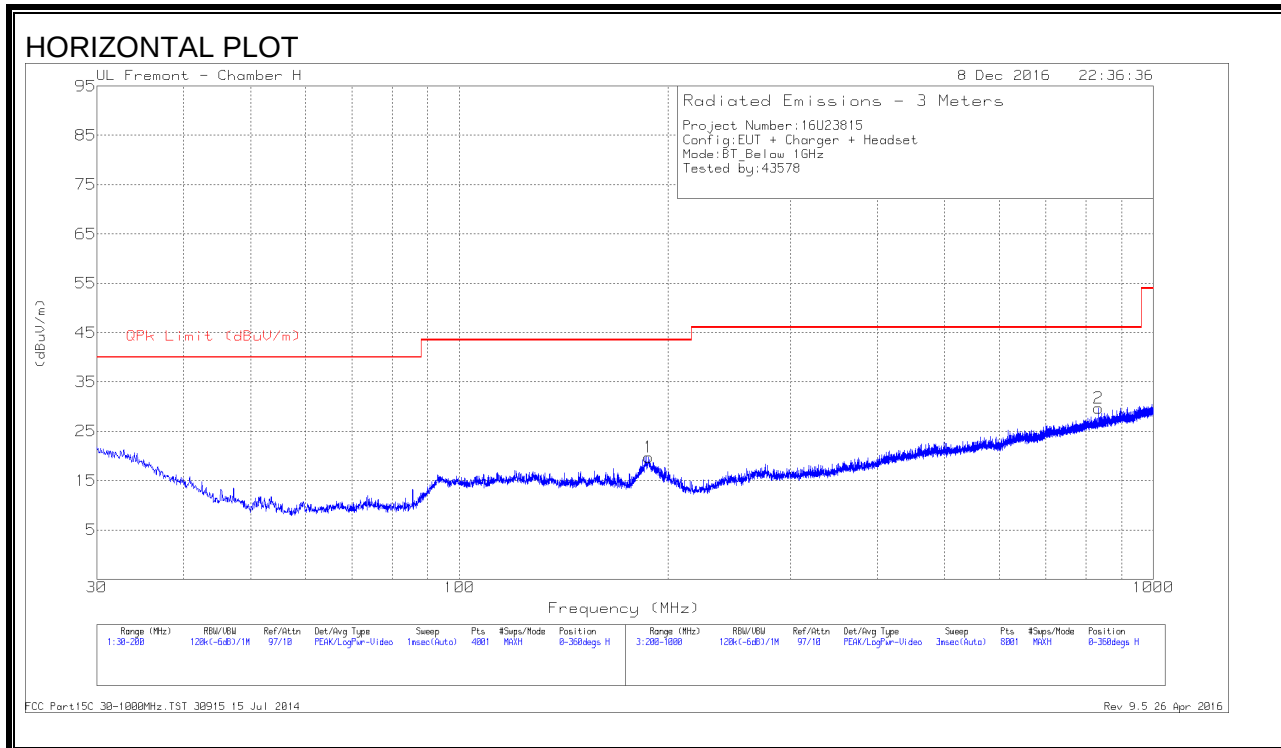
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.7. WORST-CASE BELOW 1 GHz

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

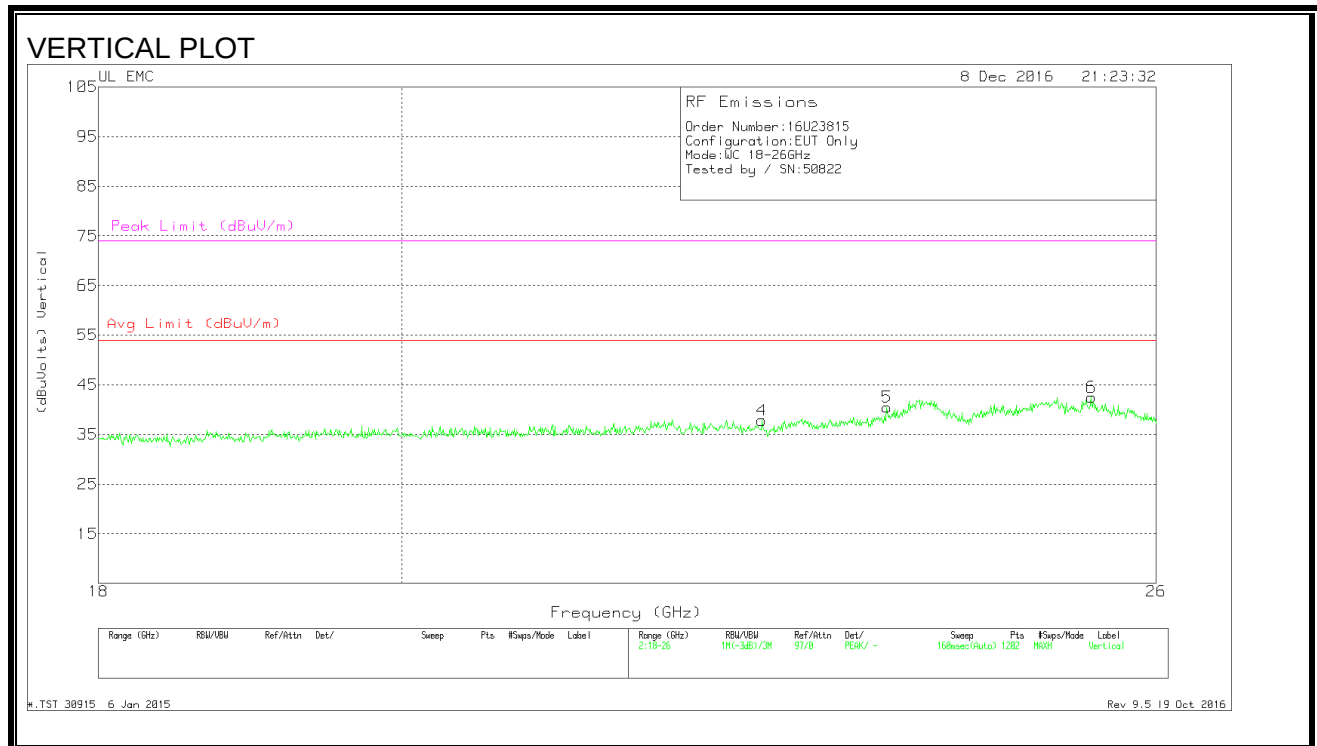
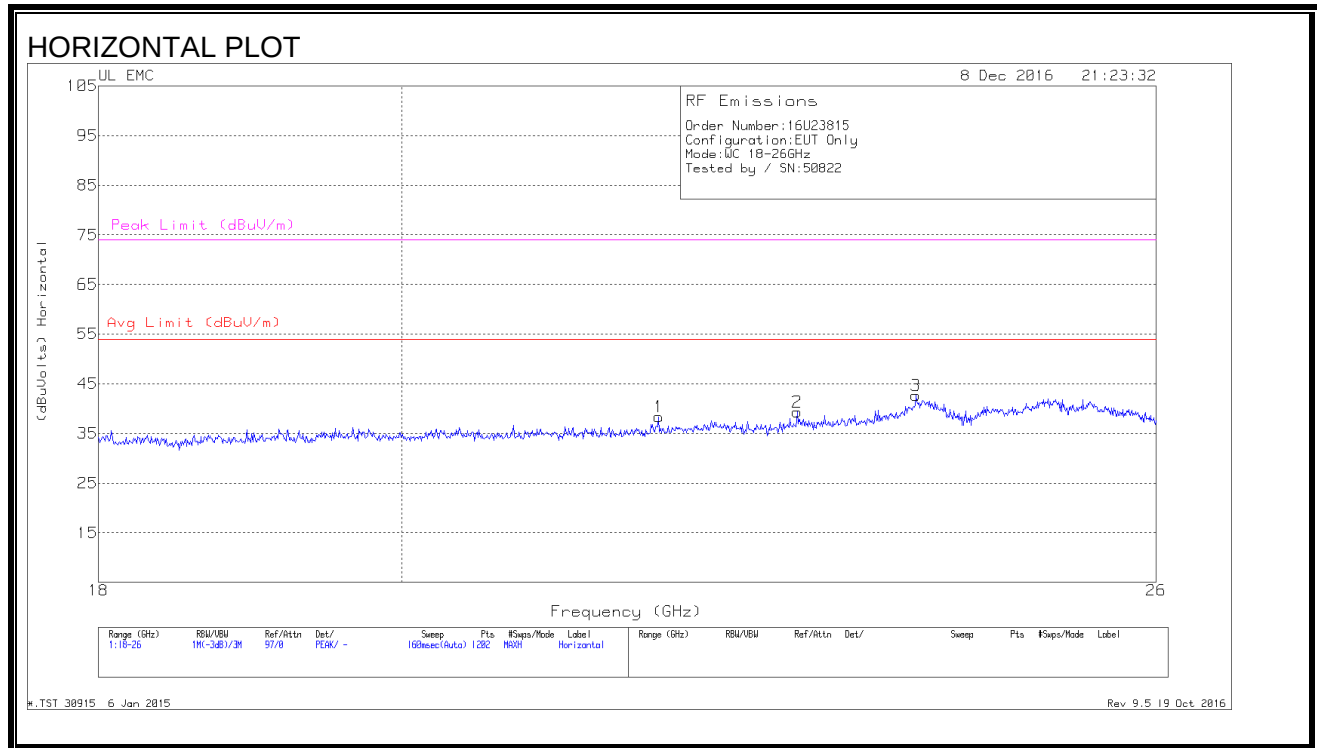


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	34.08	31.14	Pk	22.2	-31.3	22.04	40	-17.96	0-360	100	V
4	43.855	34.6	Pk	15	-31.1	18.5	40	-21.5	0-360	100	V
5	92.39	34.43	Pk	12.2	-30.6	16.03	43.52	-27.49	0-360	100	V
1	187.335	34.51	Pk	15	-29.8	19.71	43.52	-23.81	0-360	201	H
2	834.3	31.14	Pk	25.6	-27.1	29.64	46.02	-16.38	0-360	100	H
6	908.3	31.61	Pk	26.3	-26.4	31.51	46.02	-14.51	0-360	201	V

9.8. WORST-CASE ABOVE 18 GHz

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



Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T449 (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	21.87	39.23	Pk	33.3	-24.7	-9.5	38.33	54	-15.67	74	-35.67
2	22.949	40.43	Pk	33.4	-25	-9.5	39.33	54	-14.67	74	-34.67
3	23.915	42.07	Pk	34	-23.9	-9.5	42.67	54	-11.33	74	-31.33
4	22.669	38.93	Pk	33.4	-25	-9.5	37.83	54	-16.17	74	-36.17
5	23.675	40.7	Pk	33.8	-24.5	-9.5	40.5	54	-13.5	74	-33.5
6	25.42	42	Pk	34.3	-24.3	-9.5	42.5	54	-11.5	74	-31.5

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	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.

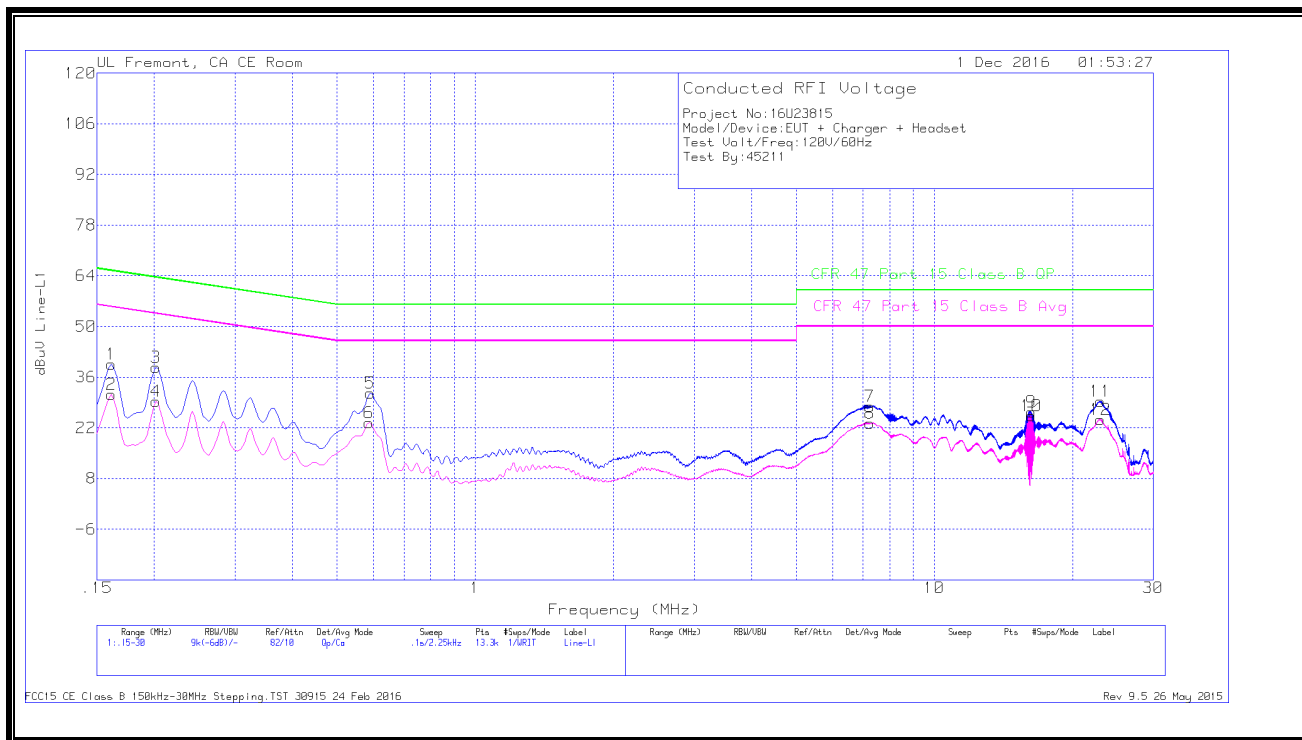
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1. EUT POWERED BY AC/DC ADAPTER VIA USB CABLE

LINE 1 RESULTS



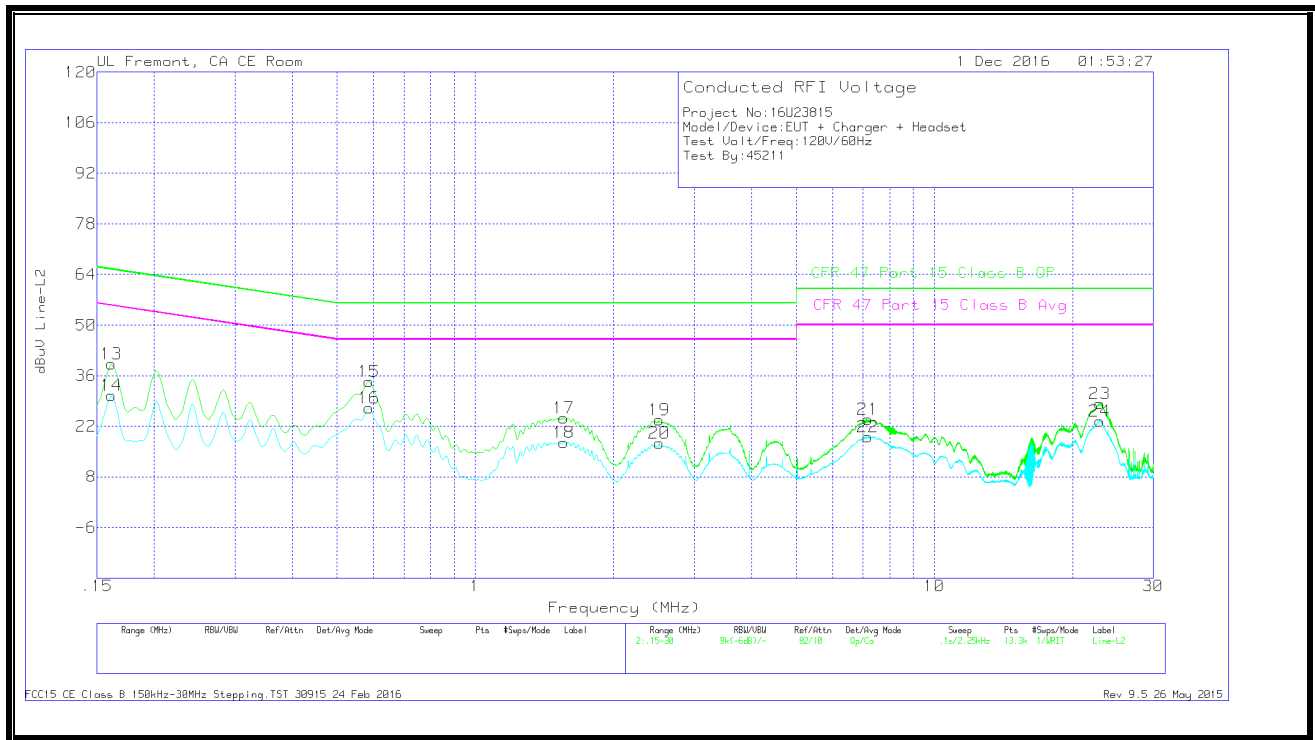
WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables 1&3	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	29.53	Qp	0	0	10.1	39.63	65.4	-25.77	-	-
2	.16125	21.1	Ca	0	0	10.1	31.2	-	-	55.4	-24.2
3	.20175	28.57	Qp	0	0	10.1	38.67	63.54	-24.87	-	-
4	.20175	19.22	Ca	0	0	10.1	29.32	-	-	53.54	-24.22
5	.591	21.42	Qp	0	0	10.1	31.52	56	-24.48	-	-
6	.58762	13.28	Ca	0	0	10.1	23.38	-	-	46	-22.62
7	7.24425	17.6	Qp	0	.1	10.2	27.9	60	-32.1	-	-
8	7.22625	12.9	Ca	0	.1	10.2	23.2	-	-	50	-26.8
9	16.278	15.82	Qp	0	.2	10.3	26.32	60	-33.68	-	-
10	16.278	14.86	Ca	0	.2	10.3	25.36	-	-	50	-24.64
11	23.001	18.56	Qp	.1	.2	10.4	29.26	60	-30.74	-	-
12	23.0023	13.58	Ca	.1	.2	10.4	24.28	-	-	50	-25.72

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

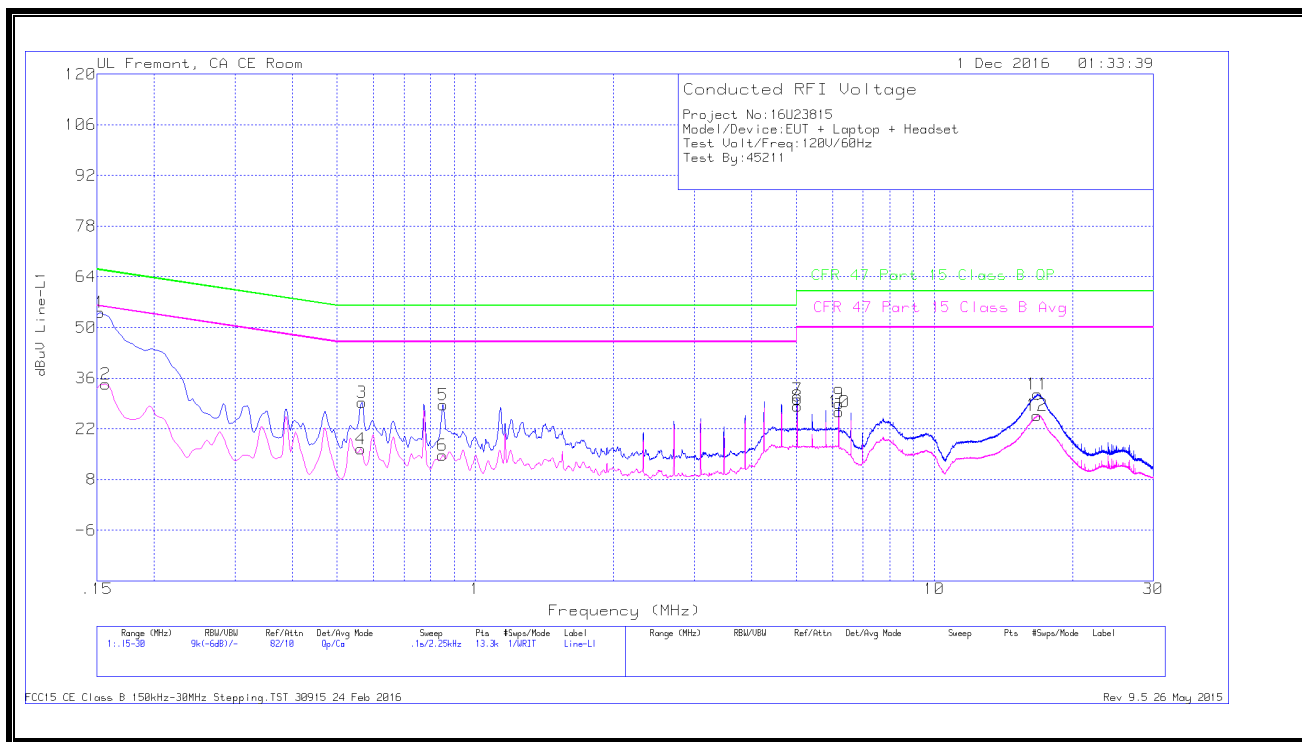
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.16125	29.13	Qp	0	0	10.1	39.23	65.4	-26.17	-	-
14	.16125	20.44	Ca	0	0	10.1	30.54	-	-	55.4	-24.86
15	.5865	24.28	Qp	0	0	10.1	34.38	56	-21.62	-	-
16	.5865	16.93	Ca	0	0	10.1	27.03	-	-	46	-18.97
17	1.56075	14.06	Qp	0	.1	10.1	24.26	56	-31.74	-	-
18	1.5585	7.27	Ca	0	.1	10.1	17.47	-	-	46	-28.53
19	2.51475	13.54	Qp	0	.1	10.1	23.74	56	-32.26	-	-
20	2.51475	7.19	Ca	0	.1	10.1	17.39	-	-	46	-28.61
21	7.1745	13.6	Qp	0	.1	10.2	23.9	60	-36.1	-	-
22	7.16775	8.81	Ca	0	.1	10.2	19.11	-	-	50	-30.89
23	22.9448	17.64	Qp	0	.2	10.4	28.24	60	-31.76	-	-
24	22.9436	12.8	Ca	0	.2	10.4	23.4	-	-	50	-26.6

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.2. EUT POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS

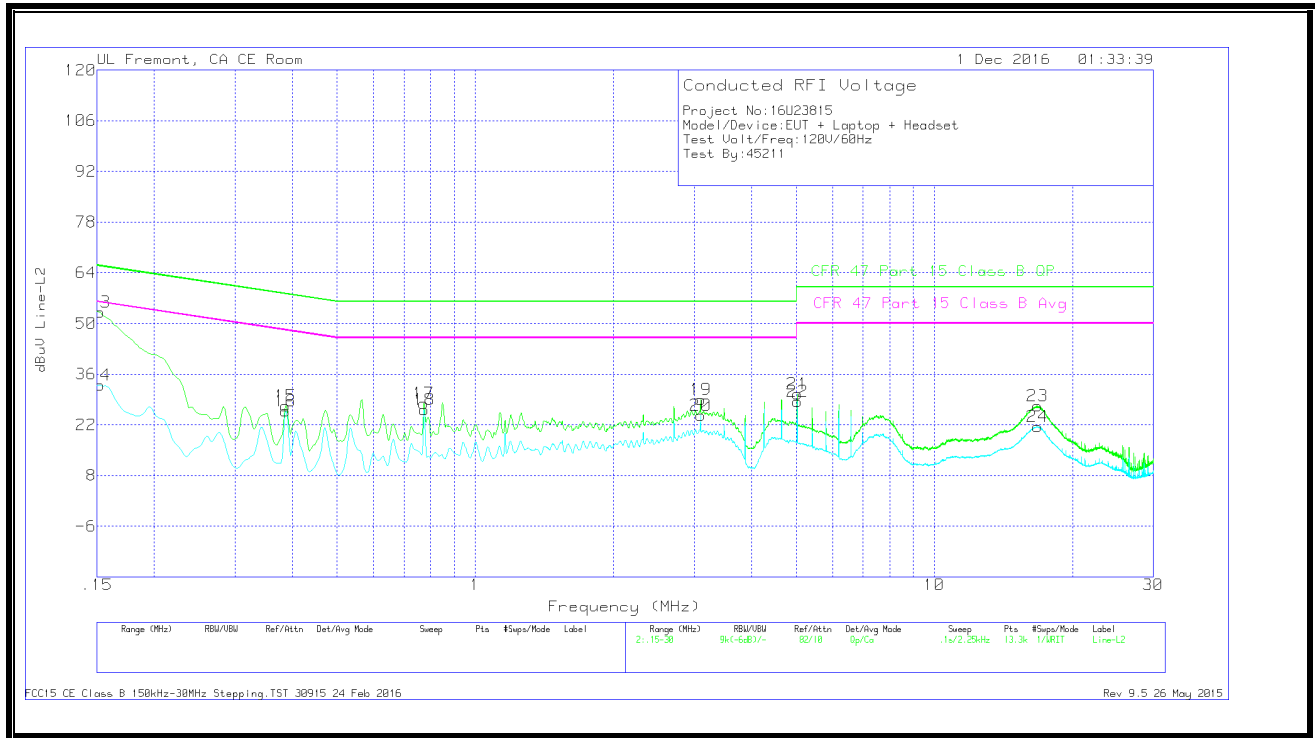


WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables 1&3	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	.15225	43.93	Qp	.1	0	10.1	54.13	65.88	-11.75	-	-
2	.15675	24.31	Ca	0	0	10.1	34.41	-	-	55.63	-21.22
3	.56625	19.19	Qp	0	0	10.1	29.29	56	-26.71	-	-
4	.56287	6.28	Ca	0	0	10.1	16.38	-	-	46	-29.62
5	.852	18.56	Qp	0	0	10.1	28.66	56	-27.34	-	-
6	.84975	4.56	Ca	0	0	10.1	14.66	-	-	46	-31.34
7	5.0325	20.05	Qp	0	.1	10.1	30.25	60	-29.75	-	-
8	5.0325	18.04	Ca	0	.1	10.1	28.24	-	-	50	-21.76
9	6.19575	18.63	Qp	0	.1	10.2	28.93	60	-31.07	-	-
10	6.19575	16.34	Ca	0	.1	10.2	26.64	-	-	50	-23.36
11	16.7775	21.08	Qp	0	.2	10.3	31.58	60	-28.42	-	-
12	16.7606	15.25	Ca	0	.2	10.3	25.75	-	-	50	-24.25

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables 2&3	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	.15225	42.99	Qp	0	0	10.1	53.09	65.88	-12.79	-	-
14	.15225	22.9	Ca	0	0	10.1	33	-	-	55.88	-22.88
15	.38625	17.05	Qp	0	0	10.1	27.15	58.14	-30.99	-	-
16	.38625	15.7	Ca	0	0	10.1	25.8	-	-	48.14	-22.34
17	.77325	17.75	Qp	0	0	10.1	27.85	56	-28.15	-	-
18	.7755	16.01	Ca	0	0	10.1	26.11	-	-	46	-19.89
19	3.0975	18.73	Qp	0	.1	10.1	28.93	56	-27.07	-	-
20	3.0975	14.41	Ca	0	.1	10.1	24.61	-	-	46	-21.39
21	5.0325	20.28	Qp	0	.1	10.1	30.48	60	-29.52	-	-
22	5.0325	18.25	Ca	0	.1	10.1	28.45	-	-	50	-21.55
23	16.7989	16.65	Qp	0	.2	10.3	27.15	60	-32.85	-	-
24	16.7989	10.97	Ca	0	.2	10.3	21.47	-	-	50	-28.53

Qp - Quasi-Peak detector

Ca - CISPR average detection