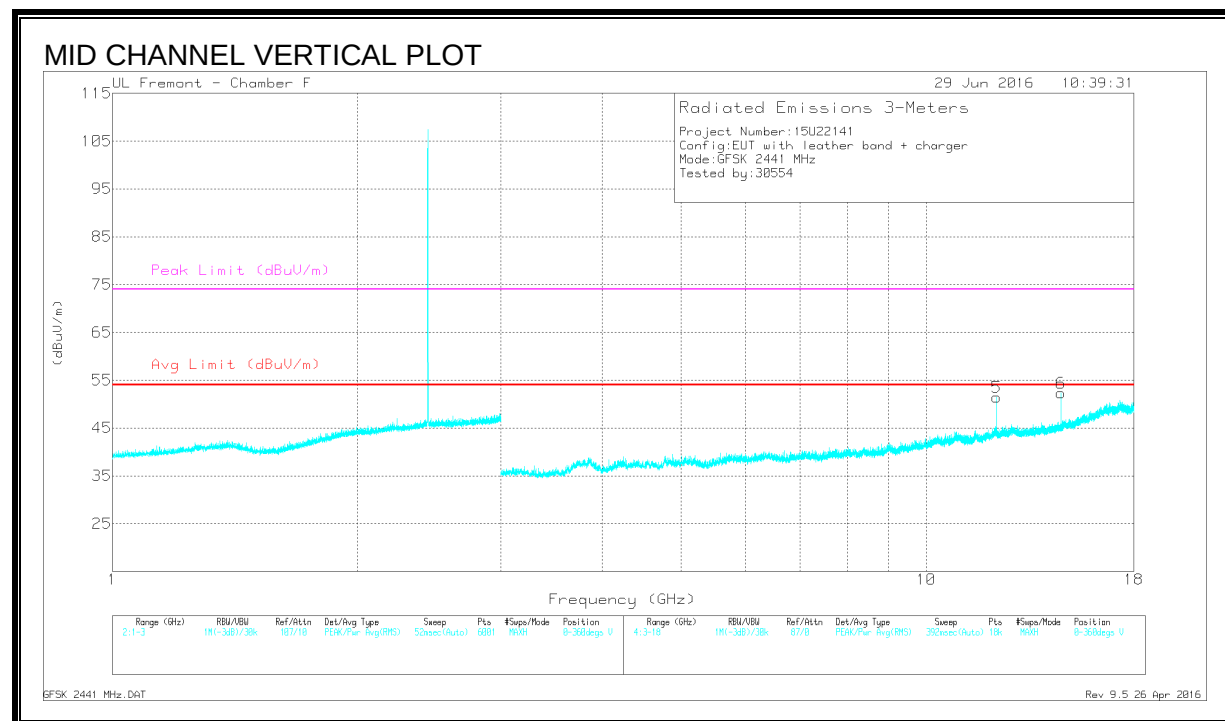
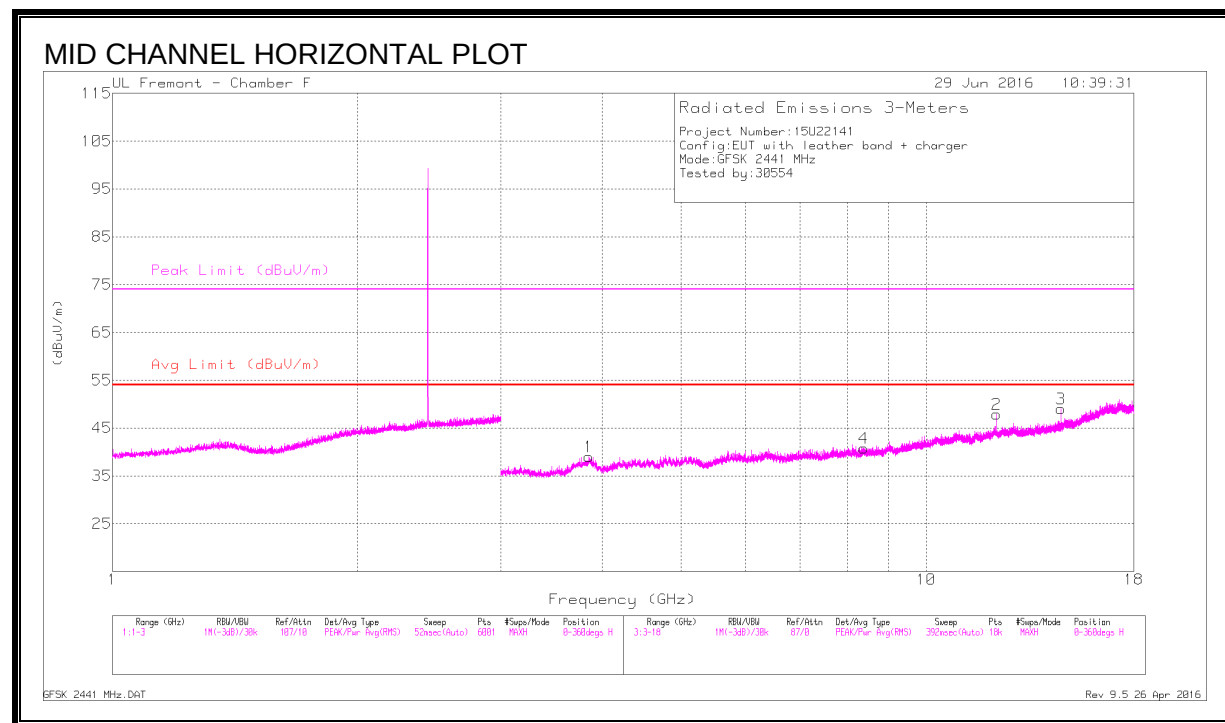


HARMONICS AND SPURIOUS EMISSIONS



DATA

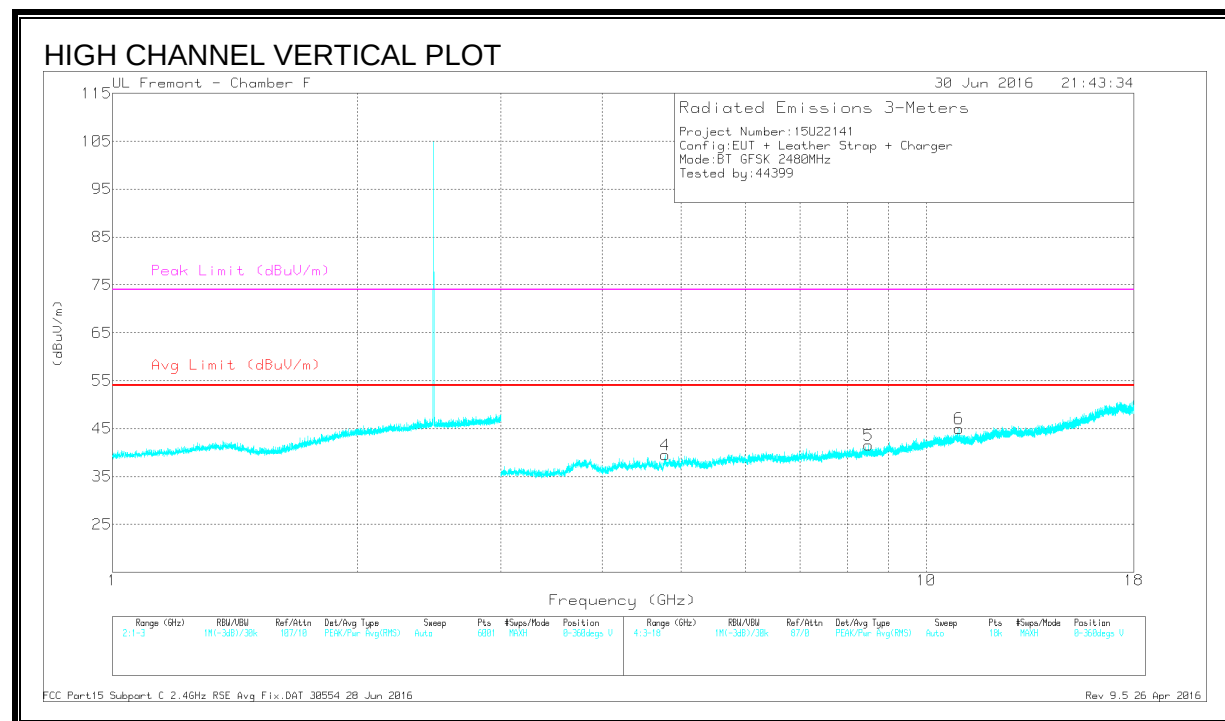
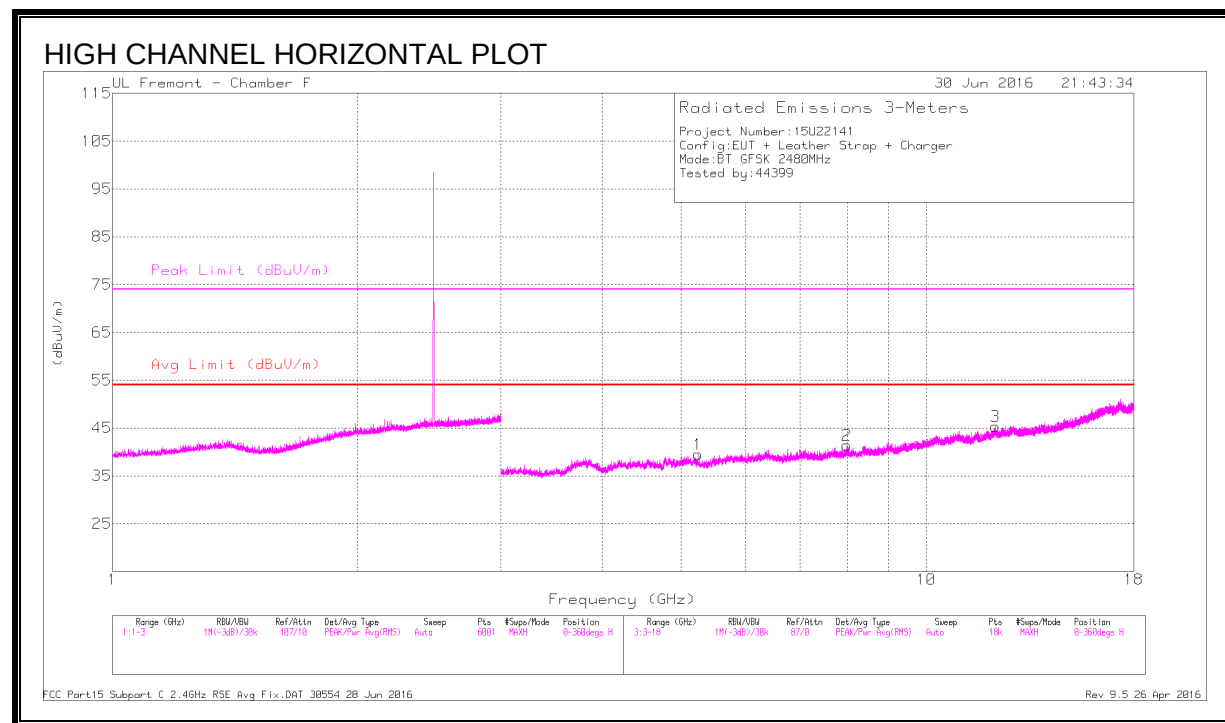
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.848	38.33	PK-U	33.4	-28.2	43.53	-	-	74	-30.47	360	100	H
	* 3.849	26.47	VA1T	33.4	-28.2	31.67	54	-22.33	-	-	360	100	H
2	* 12.204	37.28	PK-U	38.9	-22	54.18	-	-	74	-19.82	44	199	H
	* 12.205	28.05	VA1T	38.9	-22	44.95	54	-9.05	-	-	44	199	H
3	14.647	40.26	PK-U	39.7	-23.2	56.76	-	-	-	-	337	295	H
	14.646	30.96	VA1T	39.7	-23.2	47.46	-	-	-	-	337	295	H
4	* 8.377	35.09	PK-U	35.7	-23.8	46.99	-	-	74	-27.01	38	100	H
	* 8.377	23.38	VA1T	35.7	-23.8	35.28	54	-18.72	-	-	38	100	H
5	* 12.206	38.69	PK-U	38.9	-22	55.59	-	-	74	-18.41	84	201	V
	* 12.205	22.14	VA1T	38.9	-22	39.04	54	-14.96	-	-	84	201	V
6	14.647	40.7	PK-U	39.7	-23.2	57.2	-	-	-	-	290	183	V
	14.646	30.49	VA1T	39.7	-23.3	46.89	-	-	-	-	290	183	V

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

PK-U - U-NII: Maximum Peak

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

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/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
3	* 12.16	34.02	PKFH	38.9	-21.4	51.52	-	-	74	-22.48	23	334	H
	* 12.159	22.16	VA1T	38.9	-21.4	39.66	54	-14.34	-	-	23	334	H
1	5.245	37.62	PKFH	34.4	-27.8	44.22	-	-	-	-	31	212	H
	5.245	25.93	VA1T	34.4	-27.8	32.53	-	-	-	-	31	212	H
2	7.993	35.68	PKFH	35.8	-24.6	46.88	-	-	-	-	19	174	H
	7.994	23.83	VA1T	35.8	-24.6	35.03	-	-	-	-	19	174	H
4	* 4.778	39.04	PKFH	34	-27.8	45.24	-	-	74	-28.76	75	322	V
	* 4.778	26.74	VA1T	34	-27.8	32.94	54	-21.06	-	-	75	322	V
5	* 8.298	36.31	PKFH	35.7	-24.9	47.11	-	-	74	-26.89	82	118	V
	* 8.108	24.09	VA1T	35.7	-24.7	35.09	54	-18.91	-	-	82	118	V
6	* 10.971	32.9	PKFH	37.9	-21.5	49.3	-	-	74	-24.7	111	199	V
	* 10.973	21.69	VA1T	37.9	-21.5	38.09	54	-15.91	-	-	111	199	V

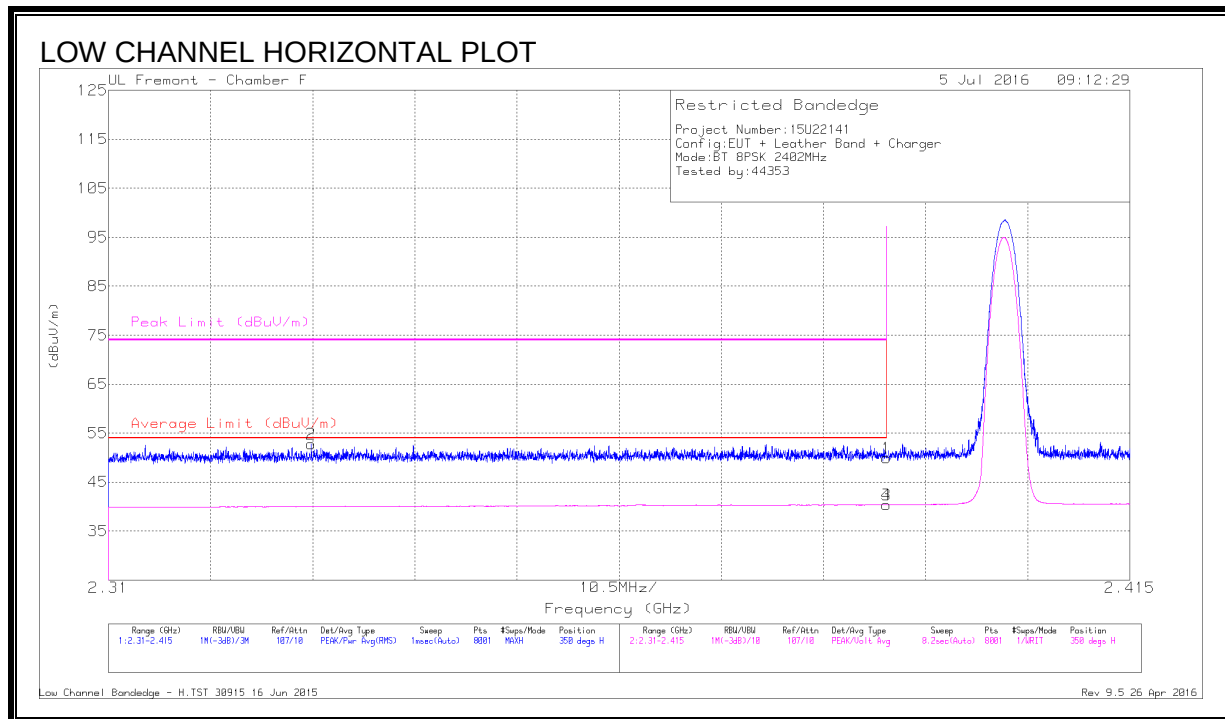
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

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

8.2.2. HIGH POWER MODE ENHANCED DATA RATE 8PSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



DATA

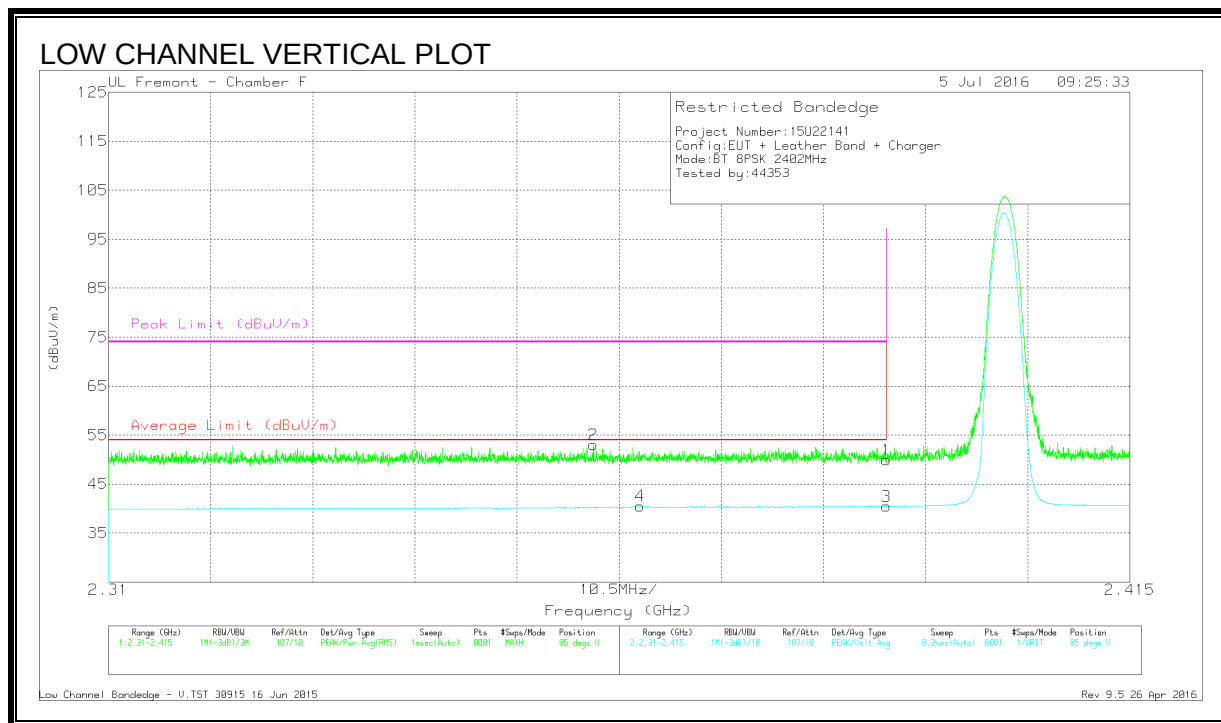
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.69	Pk	32.1	-20.9	49.89	-	-	74	-24.11	350	398	H
2	* 2.331	41.83	Pk	31.8	-20.9	52.73	-	-	74	-21.27	350	398	H
3	* 2.39	29.16	VA1T	32.1	-20.9	40.36	54	-13.64	-	-	350	398	H
4	* 2.39	29.18	VA1T	32.1	-20.9	40.38	54	-13.62	-	-	350	398	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

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



DATA

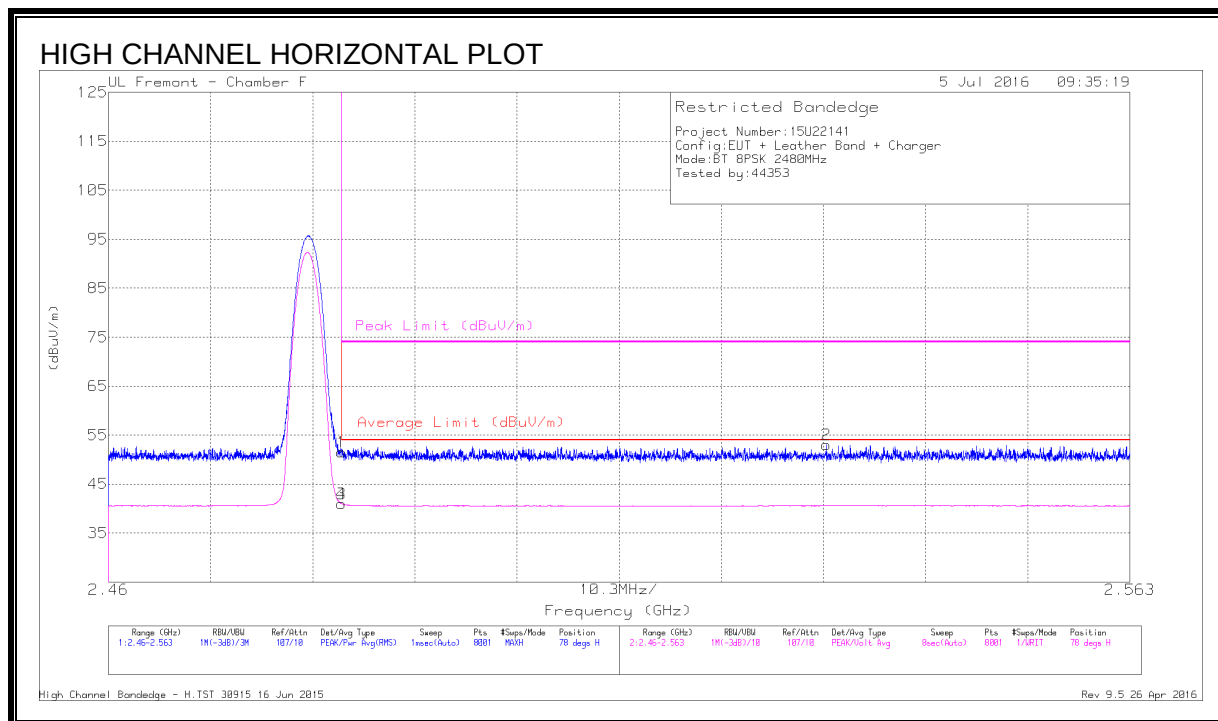
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.77	Pk	32.1	-20.9	49.97	-	-	74	-24.03	85	303	V
2	* 2.36	41.95	Pk	32	-20.9	53.05	-	-	74	-20.95	85	303	V
3	* 2.39	29.24	VA1T	32.1	-20.9	40.44	54	-13.56	-	-	85	303	V
4	* 2.365	29.44	VA1T	32	-20.9	40.54	54	-13.46	-	-	85	303	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

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



DATA

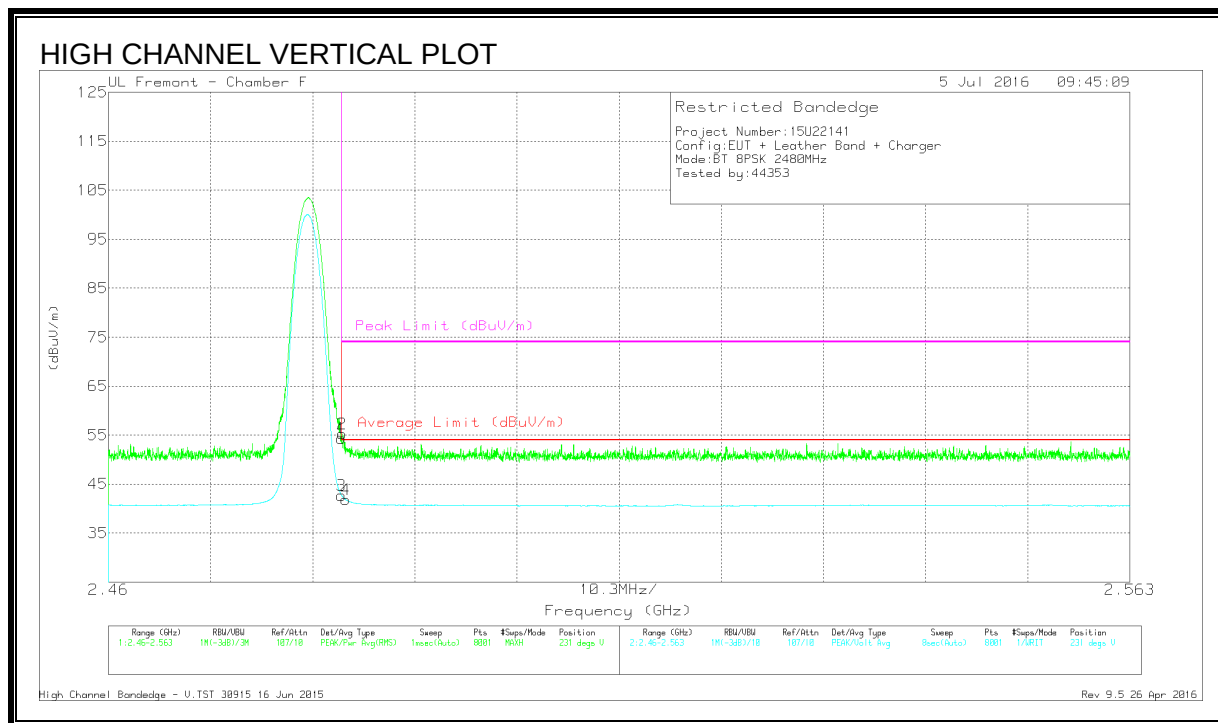
Mark er	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AFT344 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimu th (Degs)	Heig ht (cm)	Polari ty
1	* 2.484	40.26	Pk	32.3	-21	51.56	-	-	74	-22.44	78	311	H
2	2.532	41.64	Pk	32.3	-20.9	53.04	-	-	74	-20.96	78	311	H
3	* 2.484	29.69	VA1T	32.3	-21	40.99	54	-13.01	-	-	78	311	H
4	* 2.484	29.7	VA1T	32.3	-21	41	54	-13	-	-	78	311	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

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



DATA

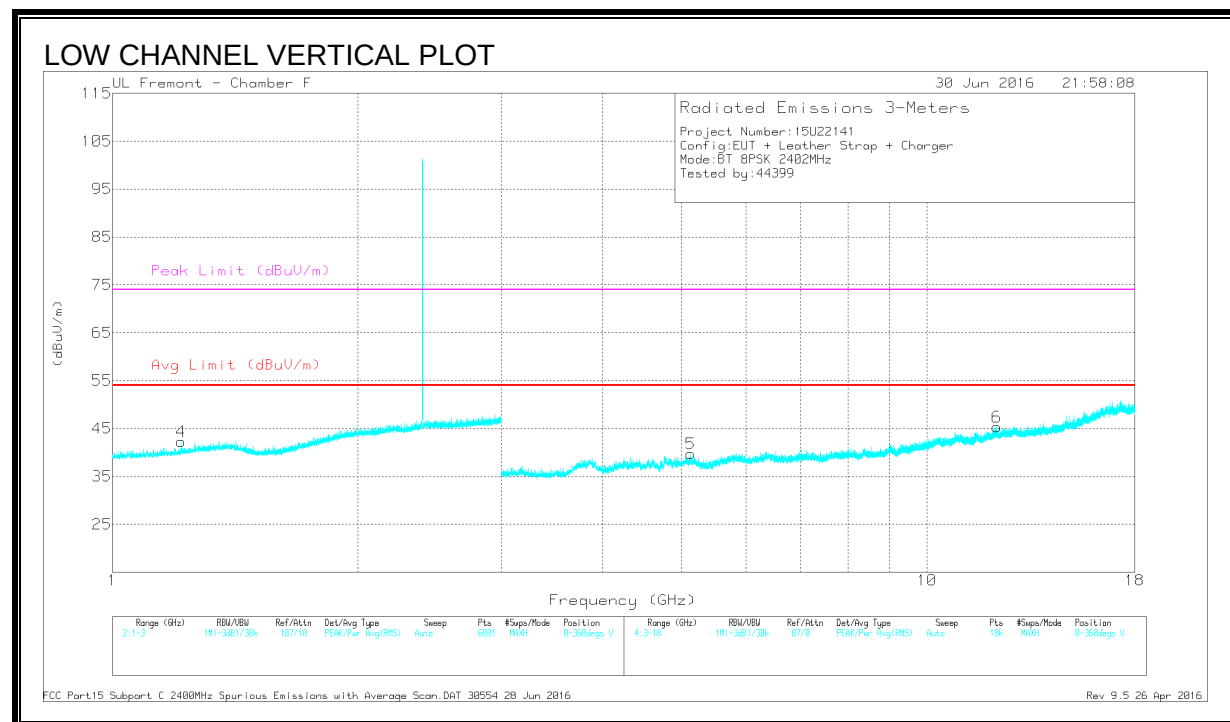
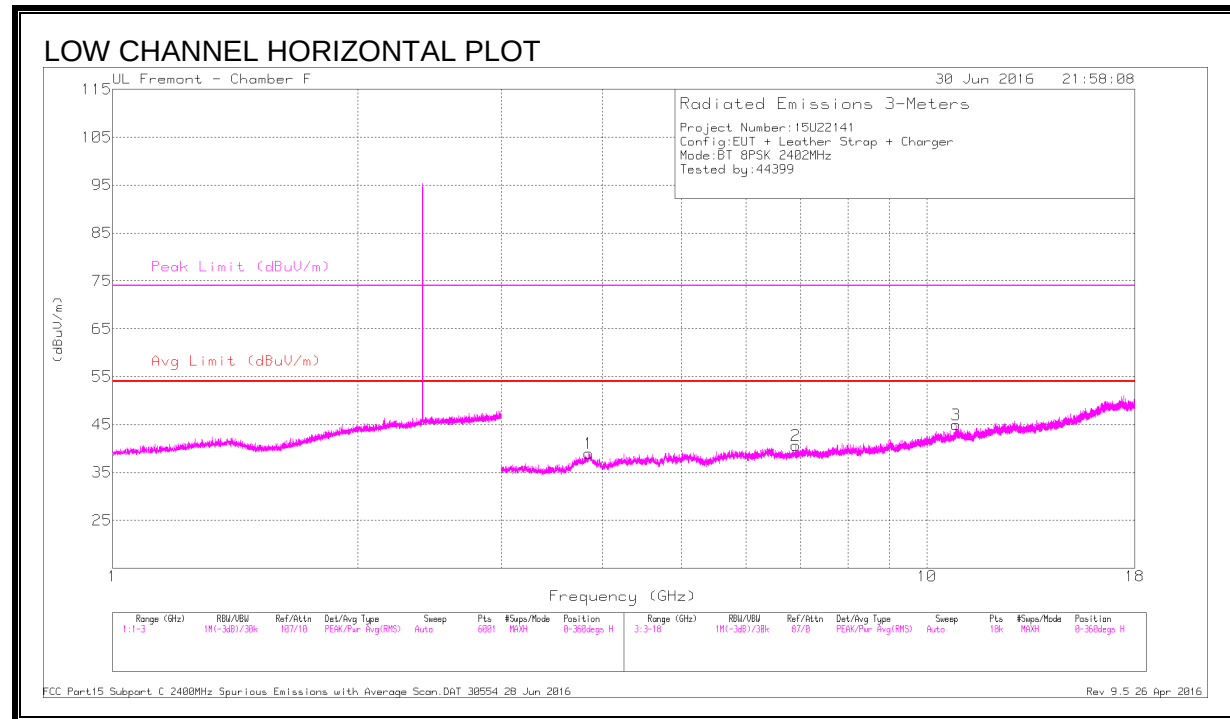
Mark er	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimu th (Degs)	Heig ht (cm)	Polari ty
1	* 2.484	43.03	Pk	32.3	-21	54.33	-	-	74	-19.67	231	119	V
2	* 2.484	43.92	Pk	32.3	-21	55.22	-	-	74	-18.78	231	119	V
3	* 2.484	31.36	VA1T	32.3	-21	42.66	54	-11.34	-	-	231	119	V
4	* 2.484	30.52	VA1T	32.3	-21	41.82	54	-12.18	-	-	231	119	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



DATA

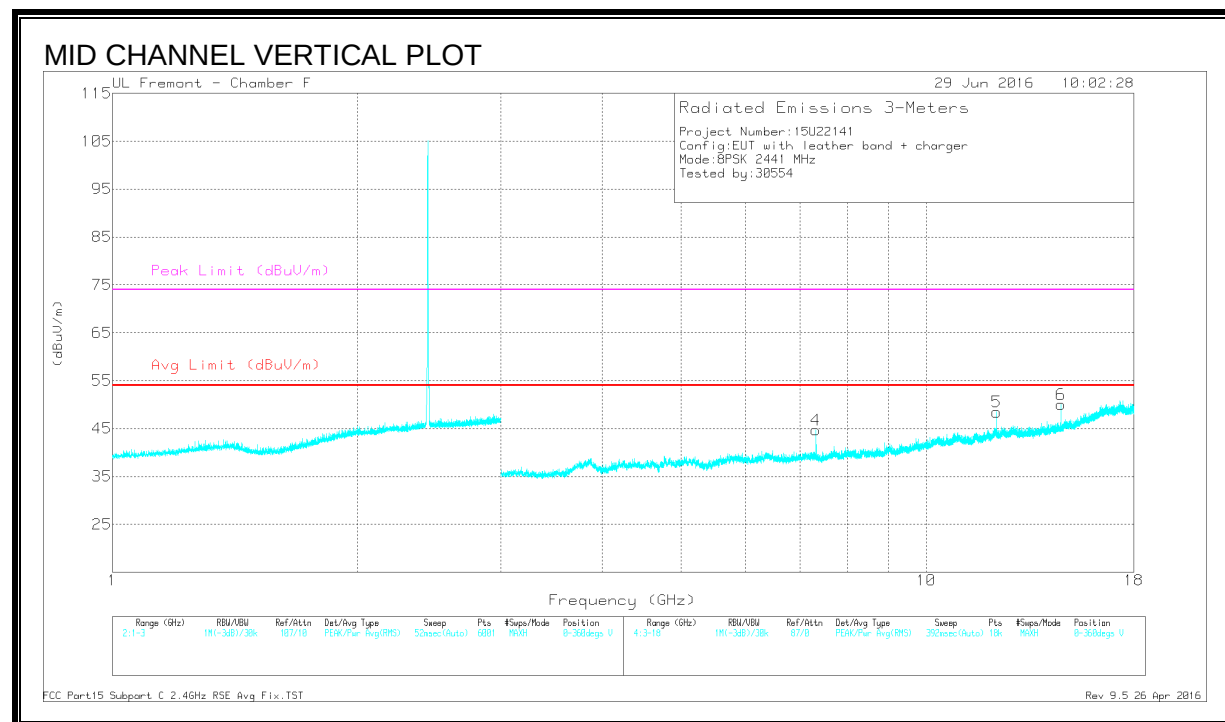
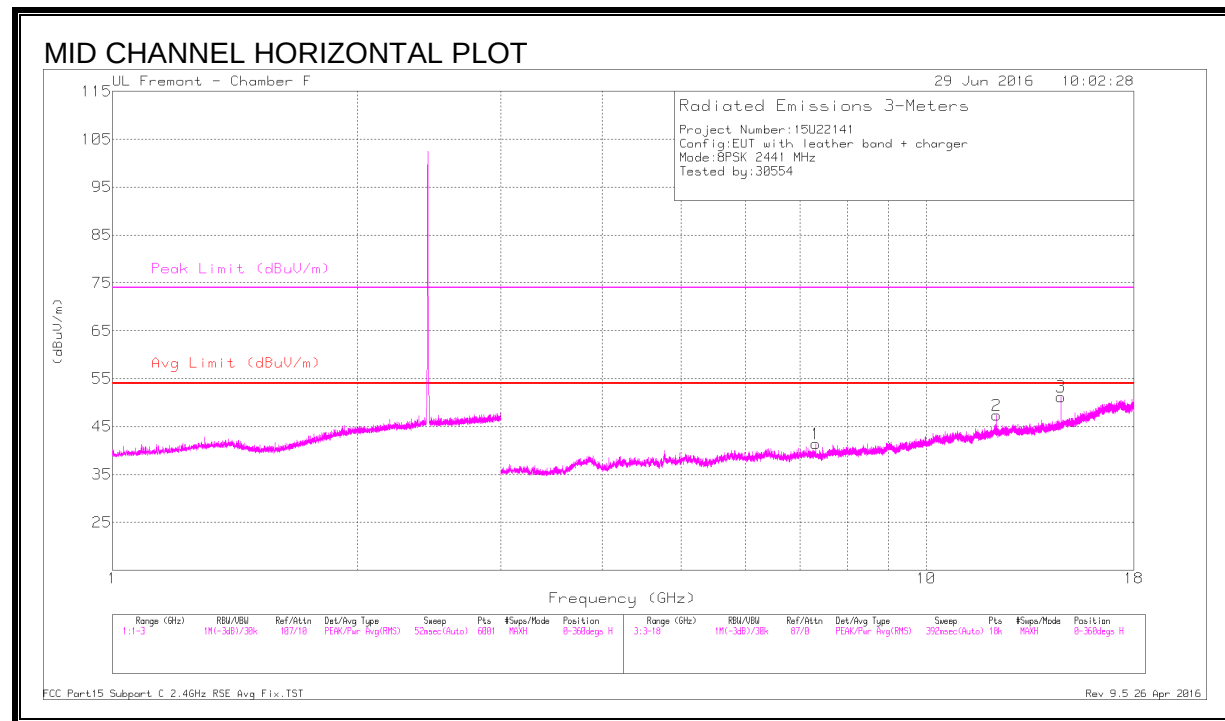
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.213	41.01	PKFH	28.4	-22.4	47.01	-	-	74	-26.99	182	292	V
	* 1.214	29.49	VA1T	28.4	-22.4	35.49	54	-18.51	-	-	182	292	V
1	* 3.844	37.71	PKFH	33.4	-28.2	42.91	-	-	74	-31.09	33	320	H
	* 3.848	26.37	VA1T	33.4	-28.2	31.57	54	-22.43	-	-	33	320	H
2	6.907	35.72	PKFH	35.5	-26.6	44.62	-	-	-	-	18	255	H
	6.906	24.66	VA1T	35.5	-26.5	33.66	-	-	-	-	18	255	H
3	* 10.873	33.6	PKFH	37.8	-21.5	49.9	-	-	74	-24.1	8	149	H
	* 10.871	21.67	VA1T	37.8	-21.5	37.97	54	-16.03	-	-	8	149	H
5	* 5.13	37.11	PKFH	34.2	-27	44.31	-	-	74	-29.69	196	259	V
	* 5.127	25.38	VA1T	34.2	-27	32.58	54	-21.42	-	-	196	259	V
6	* 12.193	33.47	PKFH	38.9	-21.9	50.47	-	-	74	-23.53	206	214	V
	* 12.194	22.09	VA1T	38.9	-21.9	39.09	54	-14.91	-	-	206	214	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

HARMONICS AND SPURIOUS EMISSIONS



DATA

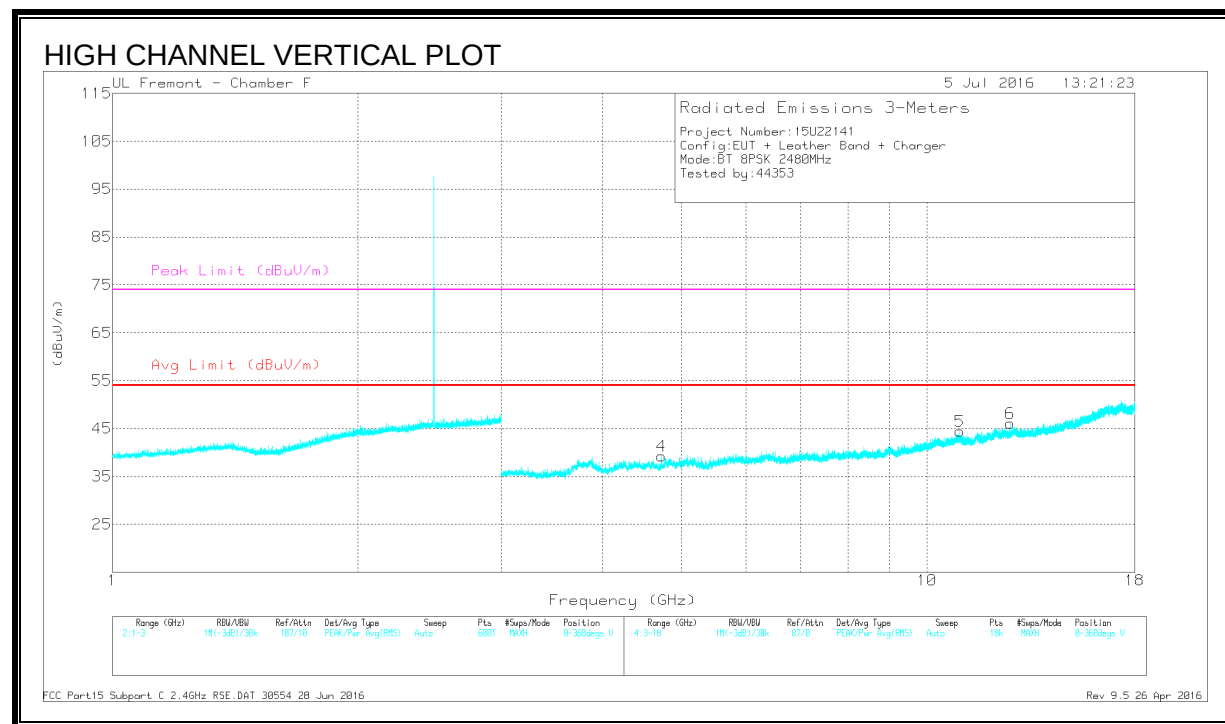
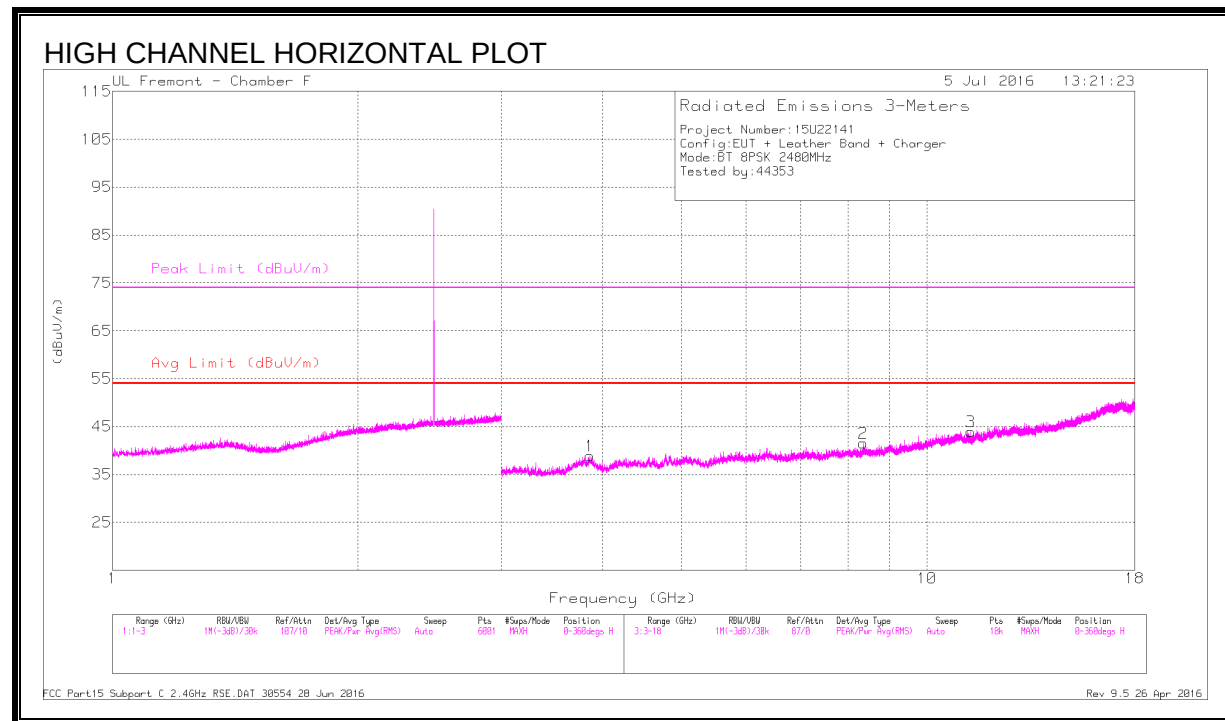
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.322	38.47	PK-U	35.6	-26.5	47.57	-	-	74	-26.43	318	250	H
	* 7.323	28.74	VA1T	35.6	-26.5	37.84	54	-16.16	-	-	318	250	H
2	* 12.205	36.75	PK-U	38.9	-22	53.65	-	-	74	-20.35	45	194	H
	* 12.205	26.8	VA1T	38.9	-22	43.7	54	-10.3	-	-	45	194	H
3	14.646	40.22	PK-U	39.7	-23.2	56.72	-	-	-	-	236	198	H
	14.646	30.03	VA1T	39.7	-23.3	46.43	-	-	-	-	236	198	H
4	* 7.323	39.7	PK-U	35.6	-26.5	48.8	-	-	74	-25.2	336	224	V
	* 7.323	30.24	VA1T	35.6	-26.5	39.34	54	-14.66	-	-	336	224	V
5	* 12.205	38.09	PK-U	38.9	-22	54.99	-	-	74	-19.01	79	193	V
	* 12.205	28.29	VA1T	38.9	-22	45.19	54	-8.81	-	-	79	193	V
6	14.647	40.7	PK-U	39.7	-23.2	57.2	-	-	-	-	290	183	V
	14.646	30.49	VA1T	39.7	-23.3	46.89	-	-	-	-	290	183	V

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

PK-U - U-NII: Maximum Peak

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

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 3.855	38.37	PKFH	33.4	-28.2	43.57	-	-	74	-30.43	230	252	H
	* 3.855	26.48	VA1T	33.4	-28.2	31.68	54	-22.32	-	-	230	252	H
2	* 8.353	34.51	PKFH	35.7	-24.3	45.91	-	-	74	-28.09	248	212	H
	* 8.353	23.63	VA1T	35.7	-24.3	35.03	54	-18.97	-	-	248	212	H
3	* 11.33	33.17	PKFH	38	-22.1	49.07	-	-	74	-24.93	108	184	H
	* 11.33	21.87	VA1T	38	-22.1	37.77	54	-16.23	-	-	108	184	H
4	* 4.721	37.95	PKFH	34.1	-28.4	43.65	-	-	74	-30.35	353	314	V
	* 4.721	26.65	VA1T	34.1	-28.4	32.35	54	-21.65	-	-	353	314	V
5	* 10.978	32.89	PKFH	37.9	-21.4	49.39	-	-	74	-24.61	346	211	V
	* 10.976	21.62	VA1T	37.9	-21.5	38.02	54	-15.98	-	-	346	211	V
6	* 12.665	34.11	PKFH	39.2	-23	50.31	-	-	74	-23.69	324	223	V
	* 12.666	22.97	VA1T	39.2	-23	39.17	54	-14.83	-	-	324	223	V

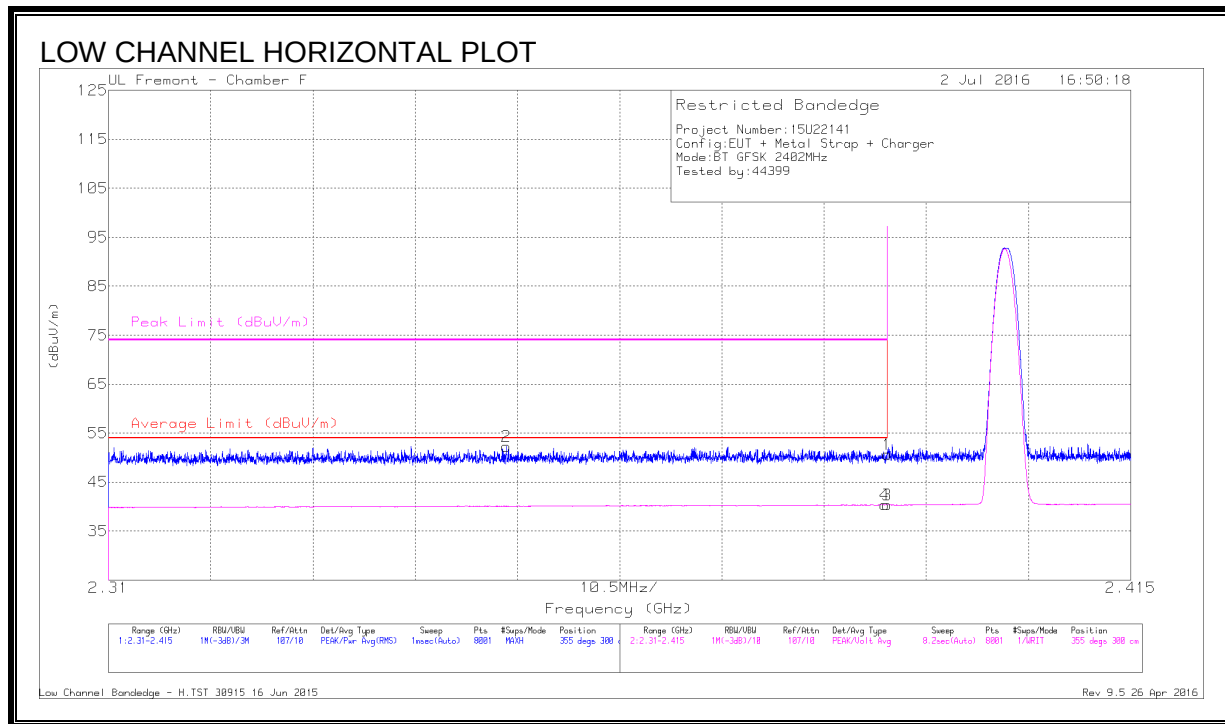
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

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

8.2.3. LOW POWER MODE BASIC DATA RATE GFSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



DATA

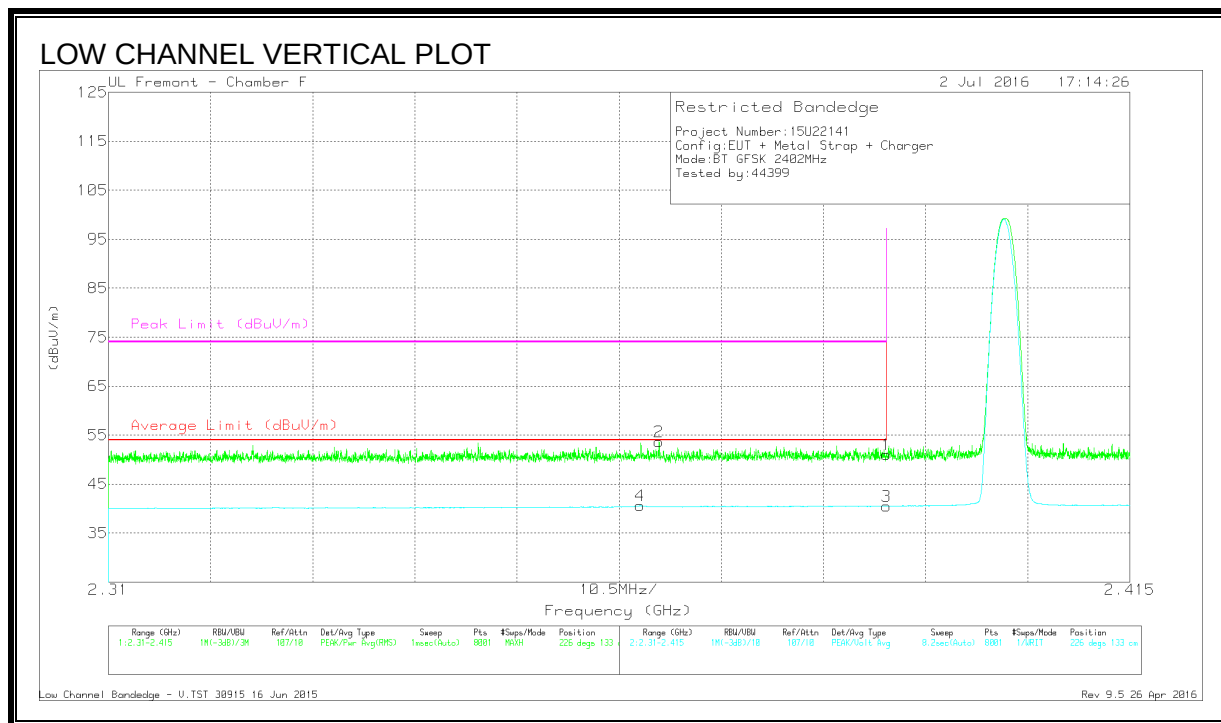
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.47	Pk	32.1	-20.9	50.67	-	-	74	-23.33	355	300	H
2	* 2.351	41.3	Pk	31.9	-20.9	52.3	-	-	74	-21.7	355	300	H
3	* 2.39	29.12	VA1T	32.1	-20.9	40.32	54	-13.68	-	-	355	300	H
4	* 2.39	29.14	VA1T	32.1	-20.9	40.34	54	-13.66	-	-	355	300	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

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



DATA

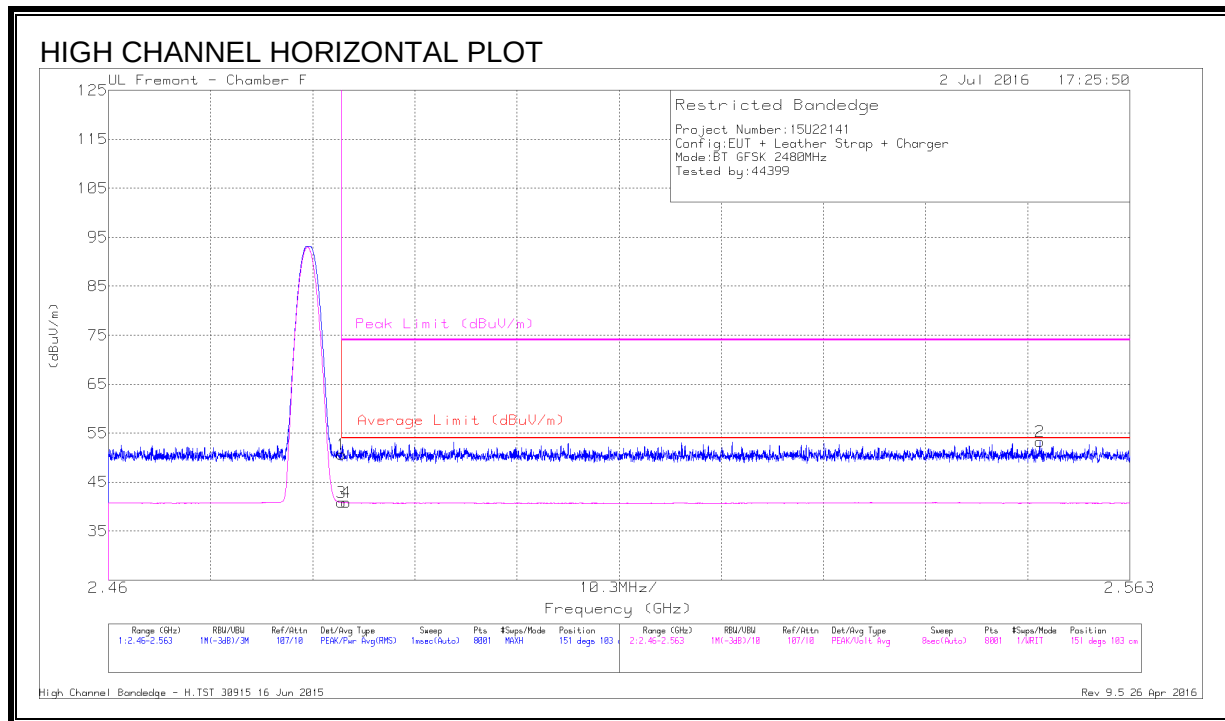
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.82	Pk	32.1	-20.9	51.02	-	-	74	-22.98	226	133	V
2	* 2.367	42.59	Pk	32	-20.9	53.69	-	-	74	-20.31	226	133	V
3	* 2.39	29.27	VA1T	32.1	-20.9	40.47	54	-13.53	-	-	226	133	V
4	* 2.365	29.46	VA1T	32	-20.9	40.56	54	-13.44	-	-	226	133	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

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



DATA

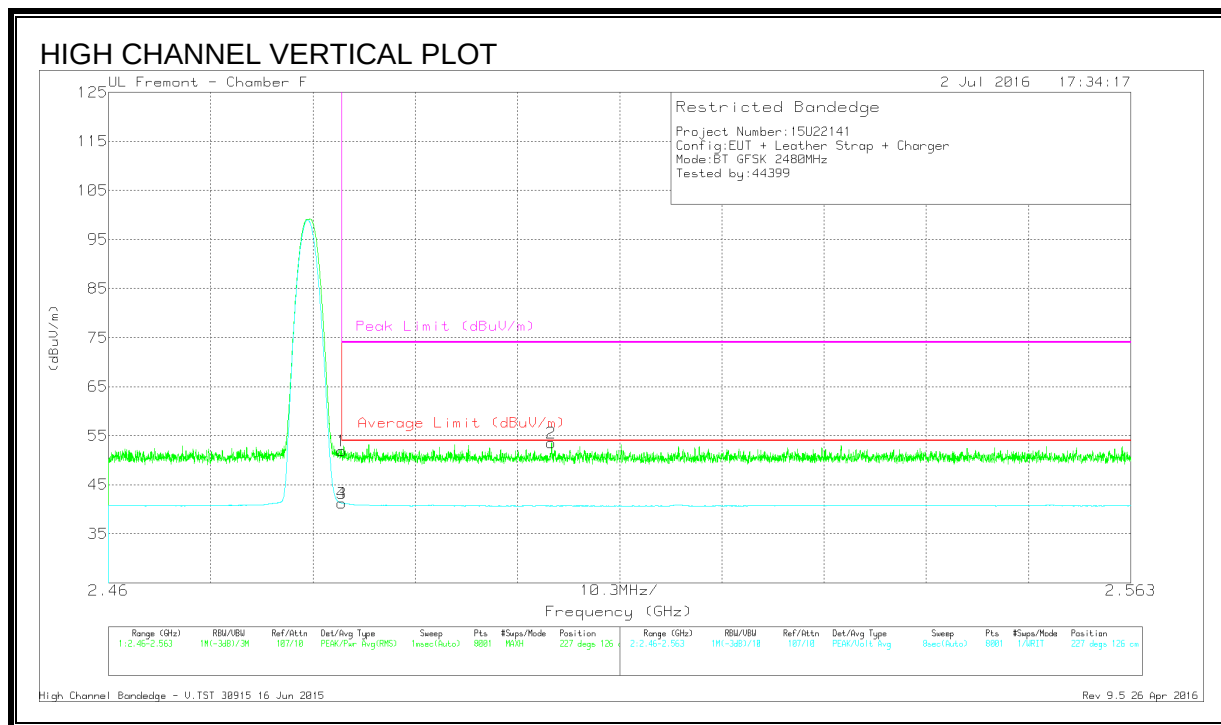
Mark er	Frequ ncy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimu th (Degs)	Heig ht (cm)	Polari ty
1	* 2.484	39.42	Pk	32.3	-21	50.72	-	-	74	-23.28	151	103	H
2	2.554	41.95	Pk	32.2	-20.9	53.25	-	-	74	-20.75	151	103	H
3	* 2.484	29.53	VA1T	32.3	-21	40.83	54	-13.17	-	-	151	103	H
4	* 2.484	29.54	VA1T	32.3	-21	40.84	54	-13.16	-	-	151	103	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

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



DATA

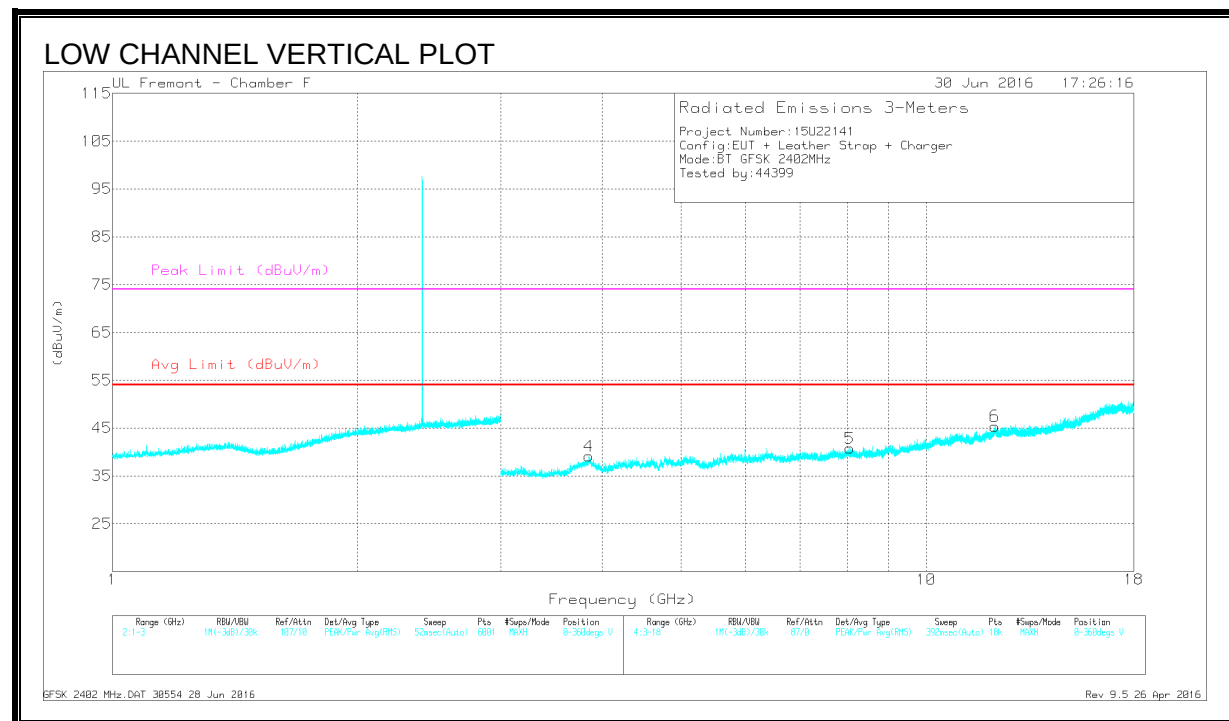
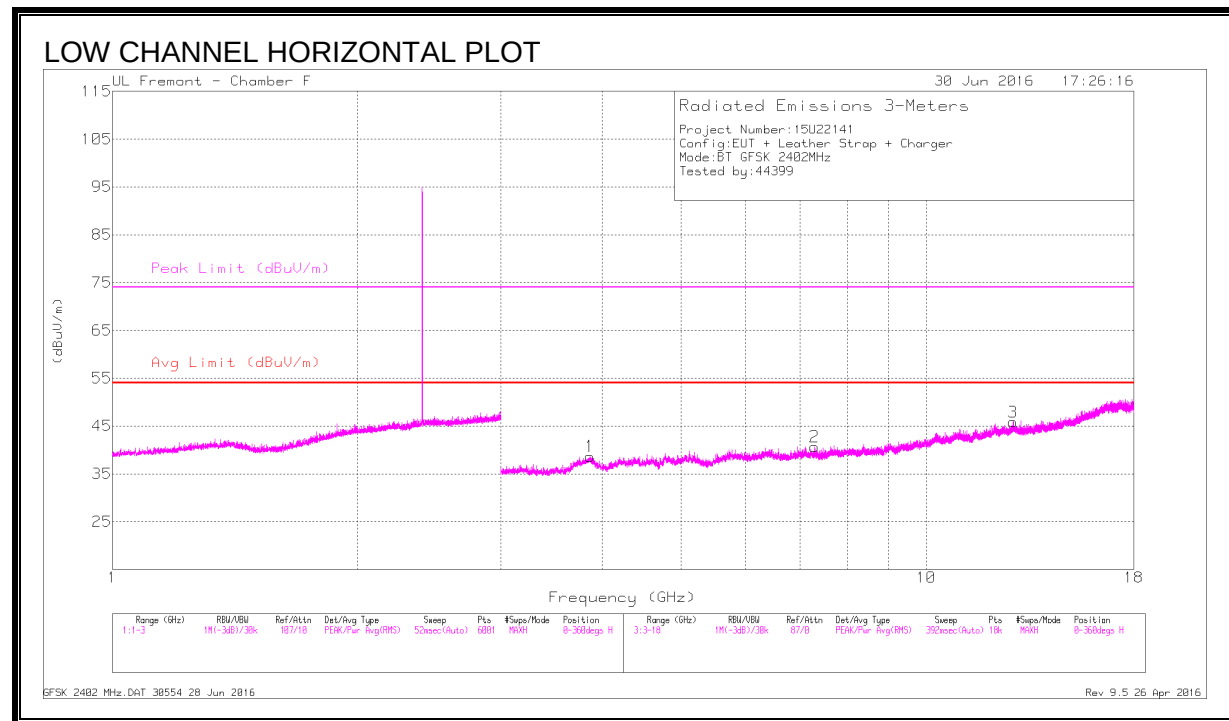
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.6	Pk	32.3	-21	51.9	-	-	74	-22.1	227	126	V
2	2.505	42.11	Pk	32.3	-20.9	53.51	-	-	74	-20.49	227	126	V
3	* 2.484	29.95	VA1T	32.3	-21	41.25	54	-13.75	-	-	227	126	V
4	* 2.484	29.95	VA1T	32.3	-21	41.25	54	-13.75	-	-	227	126	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



DATA

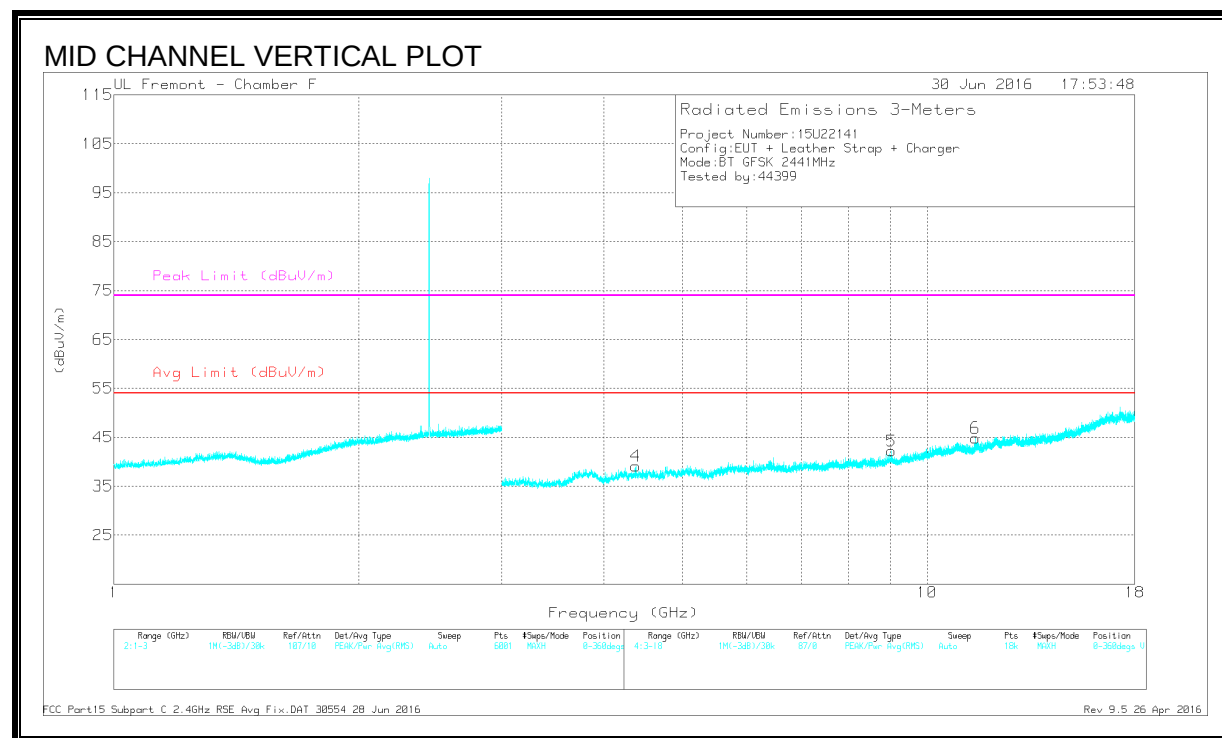
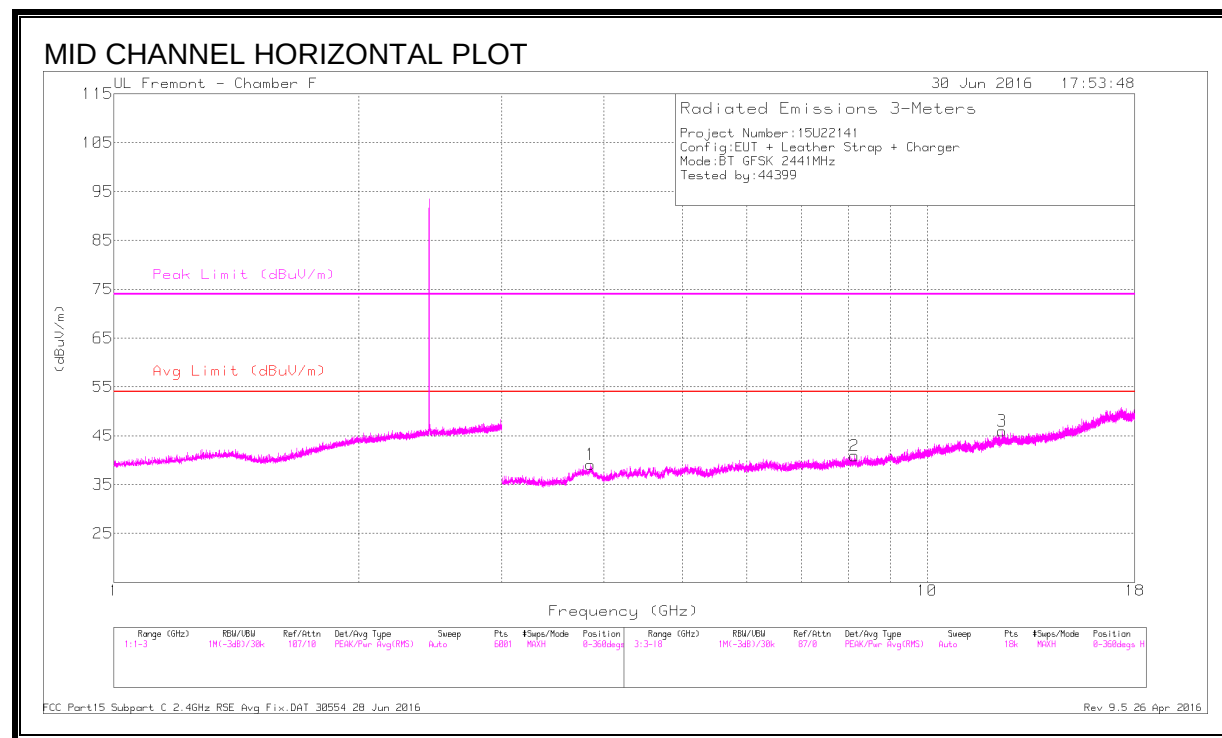
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.861	38.74	PKFH	33.4	-28.2	43.94	-	-	74	-30.06	318	128	H
	* 3.862	26.64	VA1T	33.4	-28.2	31.84	54	-22.16	-	-	318	128	H
2	* 7.292	36.34	PKFH	35.5	-26.5	45.34	-	-	74	-28.66	192	130	H
	* 7.292	25.33	VA1T	35.5	-26.5	34.33	54	-19.67	-	-	192	130	H
3	12.785	34.65	PKFH	39.3	-22.5	51.45	-	-	-	-	284	284	H
	12.785	22.98	VA1T	39.3	-22.5	39.78	-	-	-	-	284	284	H
4	* 3.849	38.4	PKFH	33.4	-28.2	43.6	-	-	74	-30.4	192	261	V
	* 3.846	26.57	VA1T	33.4	-28.2	31.77	54	-22.23	-	-	192	261	V
5	* 8.061	36.21	PKFH	35.7	-24.7	47.21	-	-	74	-26.79	335	198	V
	* 8.061	23.94	VA1T	35.7	-24.7	34.94	54	-19.06	-	-	335	198	V
6	* 12.141	33.56	PKFH	38.9	-21.6	50.86	-	-	74	-23.14	56	257	V
	* 12.14	22.12	VA1T	38.9	-21.6	39.42	54	-14.58	-	-	56	257	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

HARMONICS AND SPURIOUS EMISSIONS



DATA

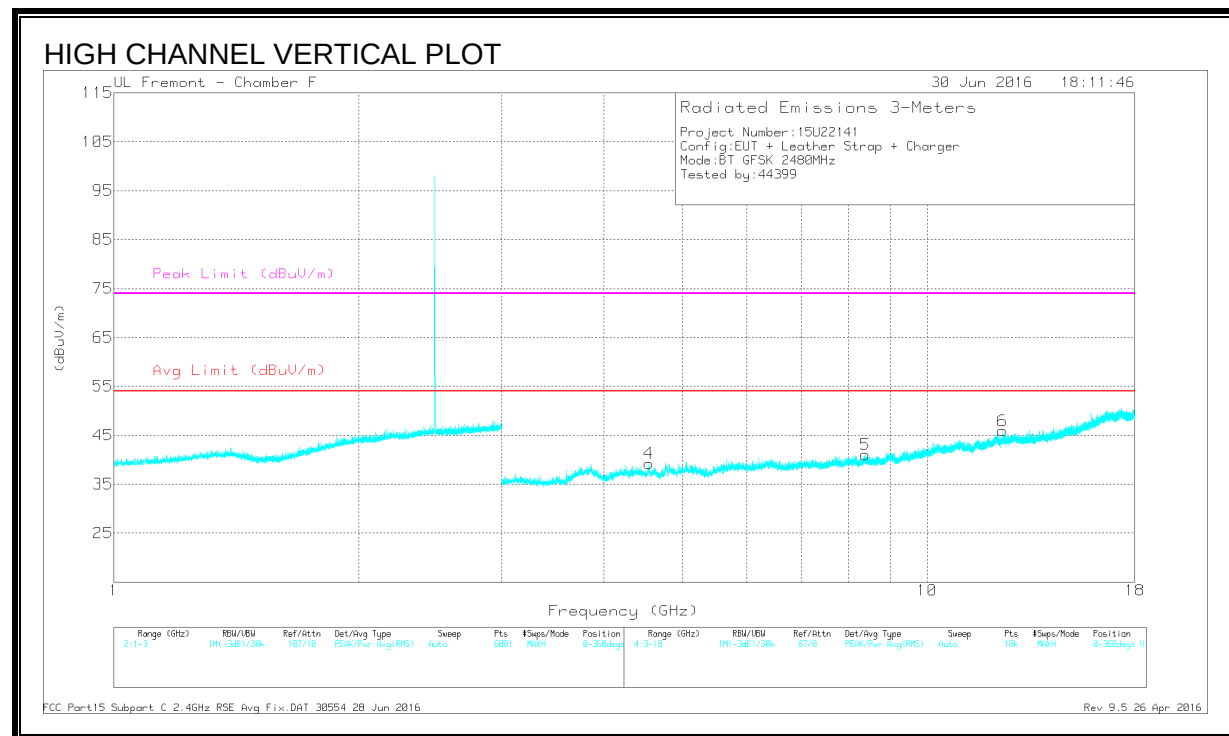
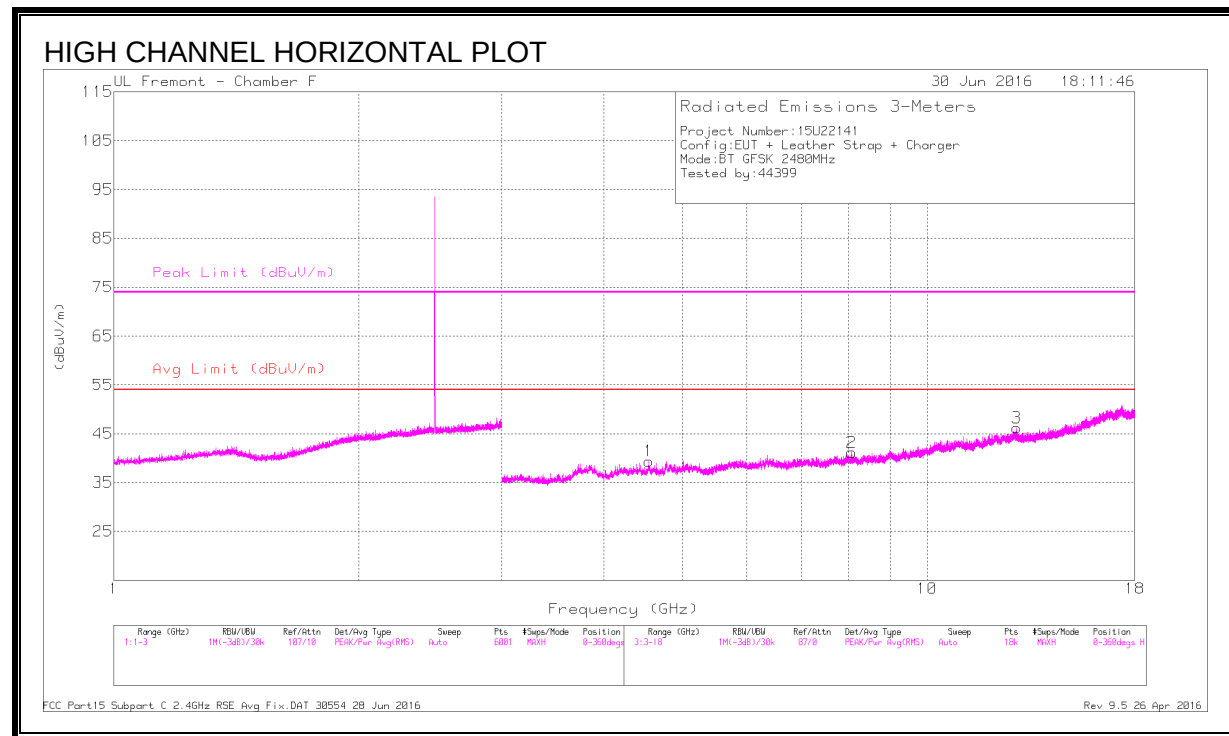
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.855	37.95	PKFH	33.4	-28.2	43.15	-	-	74	-30.85	111	200	H
	* 3.857	26.62	VA1T	33.4	-28.2	31.82	54	-22.18	-	-	111	200	H
2	* 8.14	35.51	PKFH	35.7	-24.4	46.81	-	-	74	-27.19	170	176	H
	* 8.141	23.76	VA1T	35.7	-24.4	35.06	54	-18.94	-	-	170	176	H
3	* 12.367	35.09	PKFH	38.9	-22.5	51.49	-	-	74	-22.51	183	213	H
	* 12.366	22.83	VA1T	38.9	-22.5	39.23	54	-14.77	-	-	183	213	H
4	* 4.384	37.95	PKFH	34	-28.9	43.05	-	-	74	-30.95	74	136	V
	* 4.38	26.82	VA1T	34	-28.9	31.92	54	-22.08	-	-	74	136	V
5	* 9.042	34.17	PKFH	36	-22.5	47.67	-	-	74	-26.33	58	162	V
	* 9.04	22.44	VA1T	36	-22.5	35.94	54	-18.06	-	-	58	162	V
6	* 11.465	33.45	PKFH	38	-21.8	49.65	-	-	74	-24.35	49	170	V
	* 11.464	22.08	VA1T	38	-21.8	38.28	54	-15.72	-	-	49	170	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

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 4.545	38.01	PKFH	34	-27.9	44.11	-	-	74	-29.89	270	158	H
	* 4.547	26.02	VA1T	34	-27.9	32.12	54	-21.88	-	-	270	158	H
2	* 8.075	36.04	PKFH	35.7	-24.7	47.04	-	-	74	-26.96	282	174	H
	* 8.072	23.95	VA1T	35.7	-24.7	34.95	54	-19.05	-	-	282	174	H
3	12.889	34.24	PKFH	39.3	-22.6	50.94	-	-	-	-	257	217	H
	12.891	22.9	VA1T	39.3	-22.6	39.6	-	-	-	-	257	217	H
4	* 4.545	37.22	PKFH	34	-27.9	43.32	-	-	74	-30.68	224	165	V
	* 4.546	26.01	VA1T	34	-27.9	32.11	54	-21.89	-	-	224	165	V
5	* 8.394	34.36	PKFH	35.7	-23.7	46.36	-	-	74	-27.64	353	207	V
	* 8.392	23.18	VA1T	35.7	-23.8	35.08	54	-18.92	-	-	353	207	V
6	* 12.378	34.05	PKFH	38.9	-22.4	50.55	-	-	74	-23.45	318	198	V
	* 12.379	22.73	VA1T	38.9	-22.4	39.23	54	-14.77	-	-	318	198	V

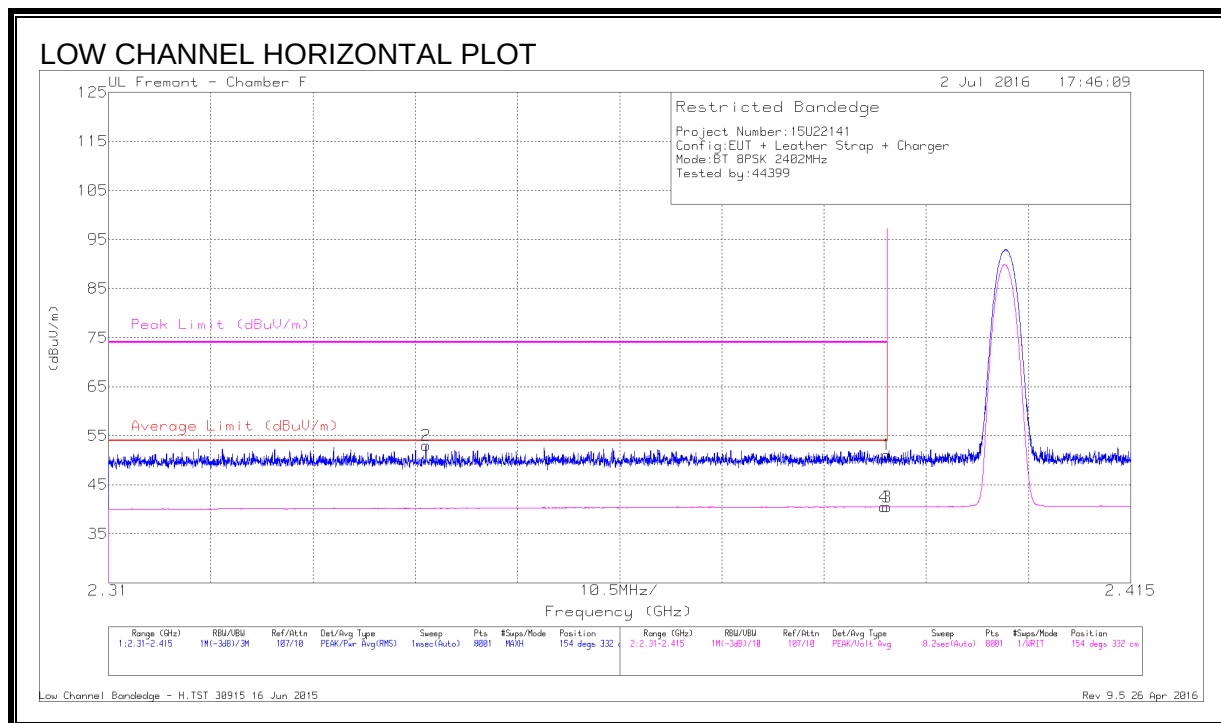
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

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

8.2.4. LOW POWER MODE ENHANCED DATA RATE 8PSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



DATA

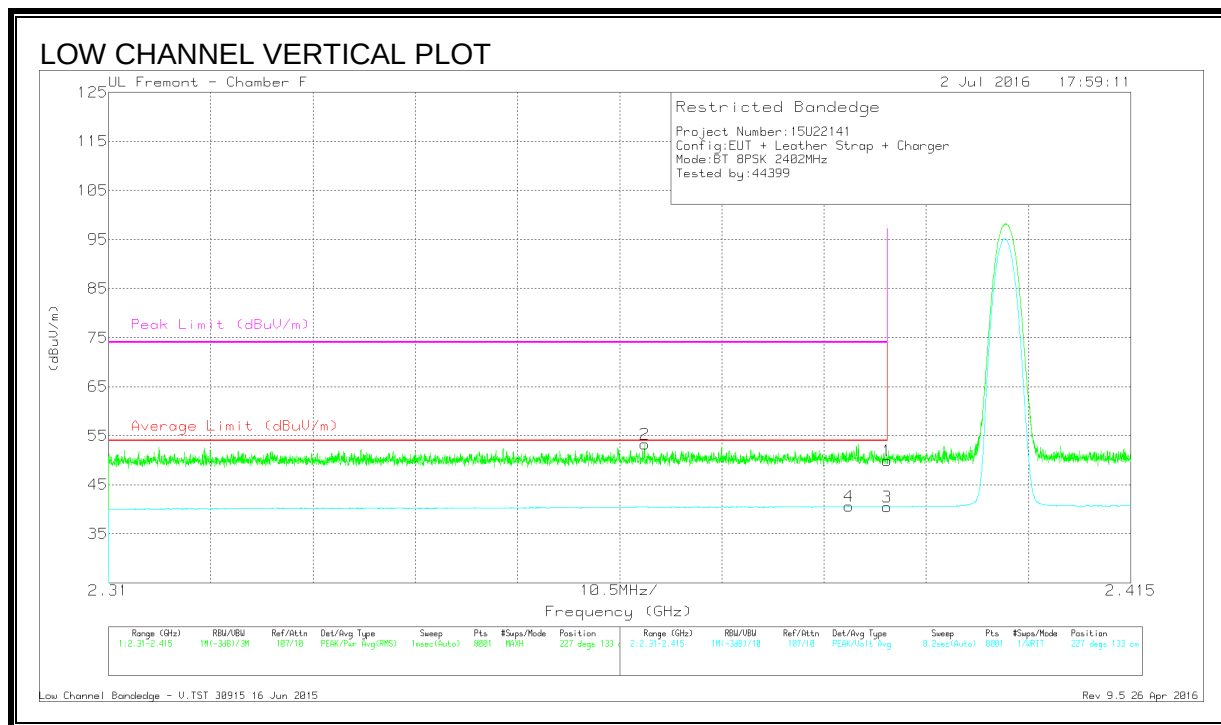
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.91	Pk	32.1	-20.9	51.11	-	-	74	-22.89	154	332	H
2	* 2.343	42.13	Pk	31.9	-21	53.03	-	-	74	-20.97	154	332	H
3	* 2.39	29.29	VA1T	32.1	-20.9	40.49	54	-13.51	-	-	154	332	H
4	* 2.39	29.32	VA1T	32.1	-20.9	40.52	54	-13.48	-	-	154	332	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

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



DATA

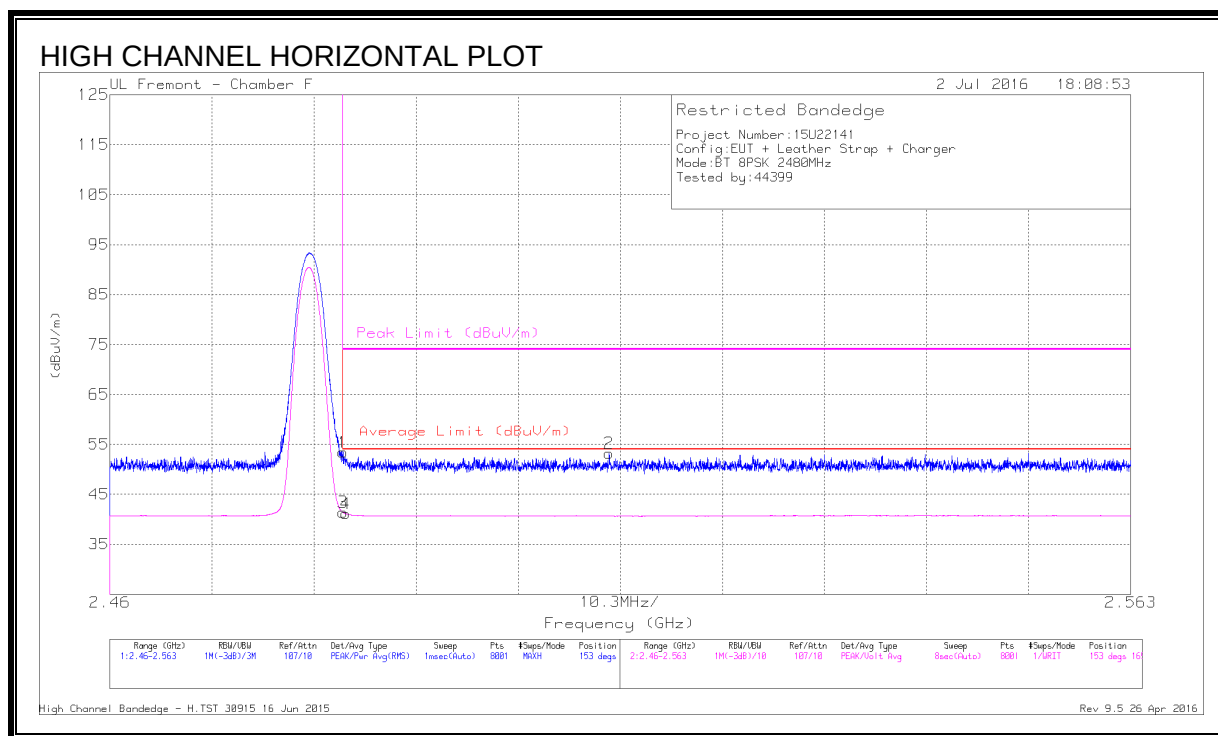
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.73	Pk	32.1	-20.9	49.93	-	-	74	-24.07	227	133	V
2	* 2.365	42.22	Pk	32	-20.9	53.32	-	-	74	-20.68	227	133	V
3	* 2.39	29.28	VA1T	32.1	-20.9	40.48	54	-13.52	-	-	227	133	V
4	* 2.386	29.36	VA1T	32.1	-20.9	40.56	54	-13.44	-	-	227	133	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

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



DATA

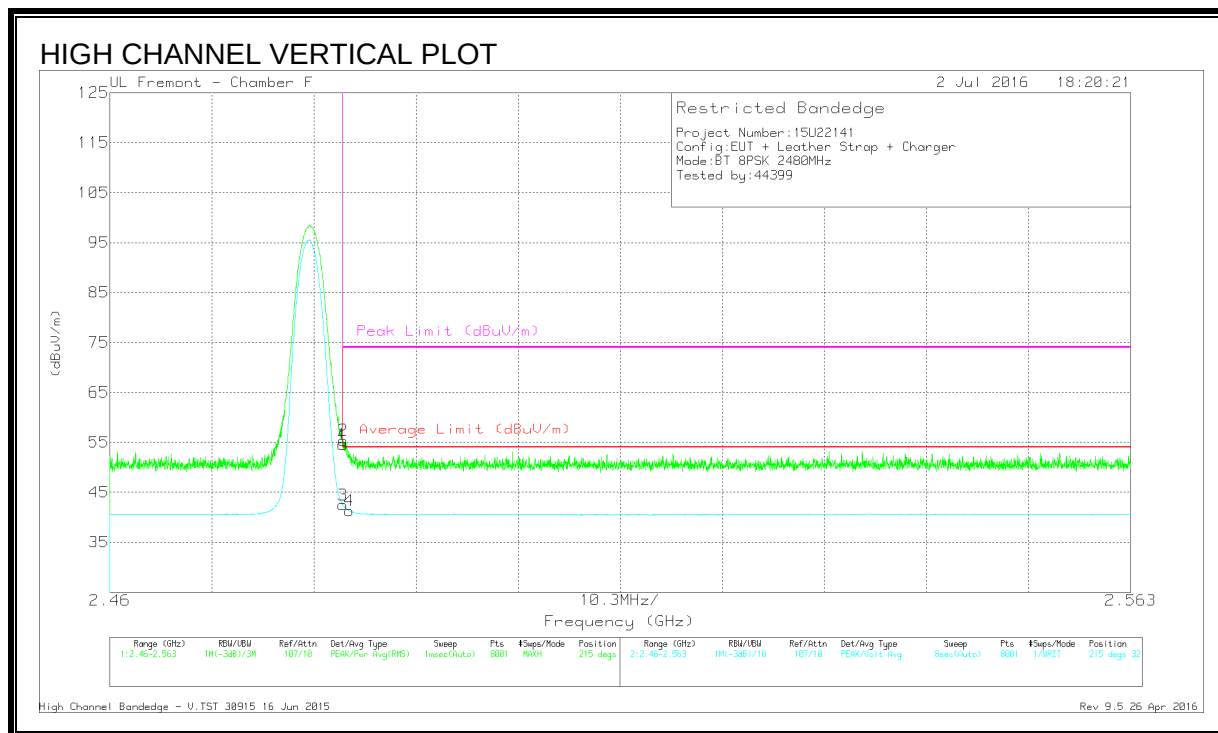
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1	* 2.484	42.11	Pk	32.3	-21	53.41	-	-	74	-20.59	153	165	H
2	2.51	41.94	Pk	32.3	-21	53.24	-	-	74	-20.76	153	165	H
3	* 2.484	30.11	VA1T	32.3	-21	41.41	54	-12.59	-	-	153	165	H
4	* 2.484	29.83	VA1T	32.3	-21	41.13	54	-12.87	-	-	153	165	H

* - 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

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



DATA

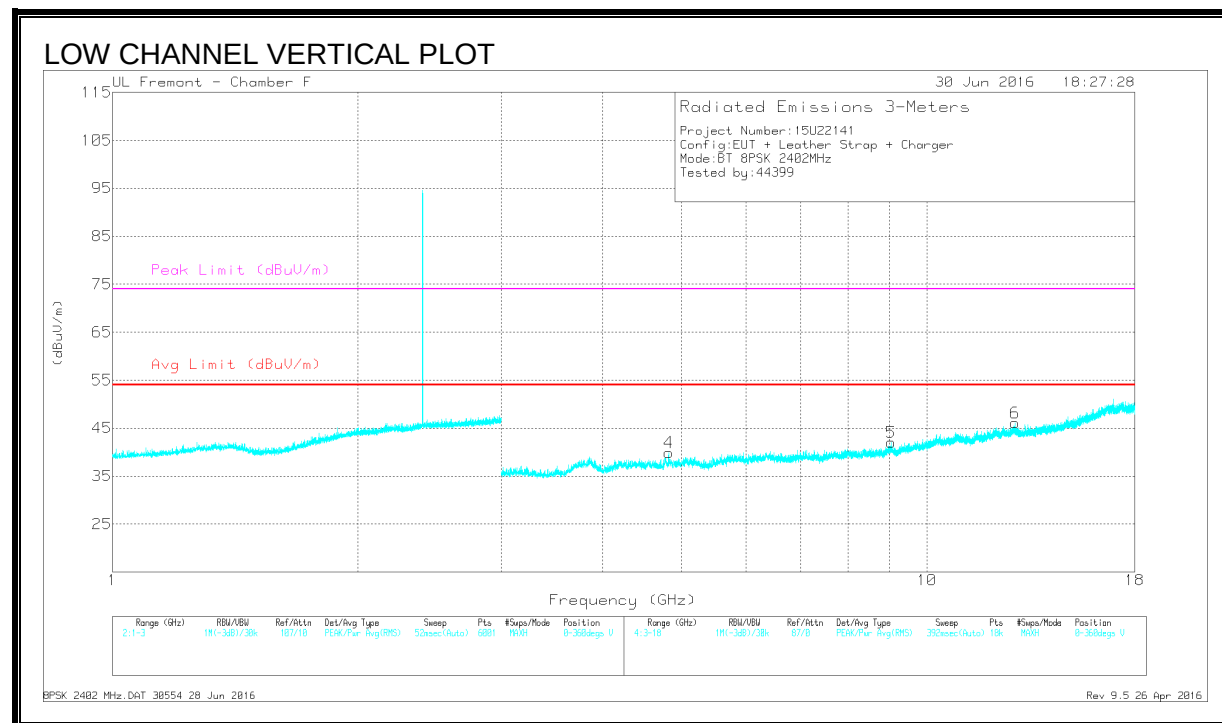
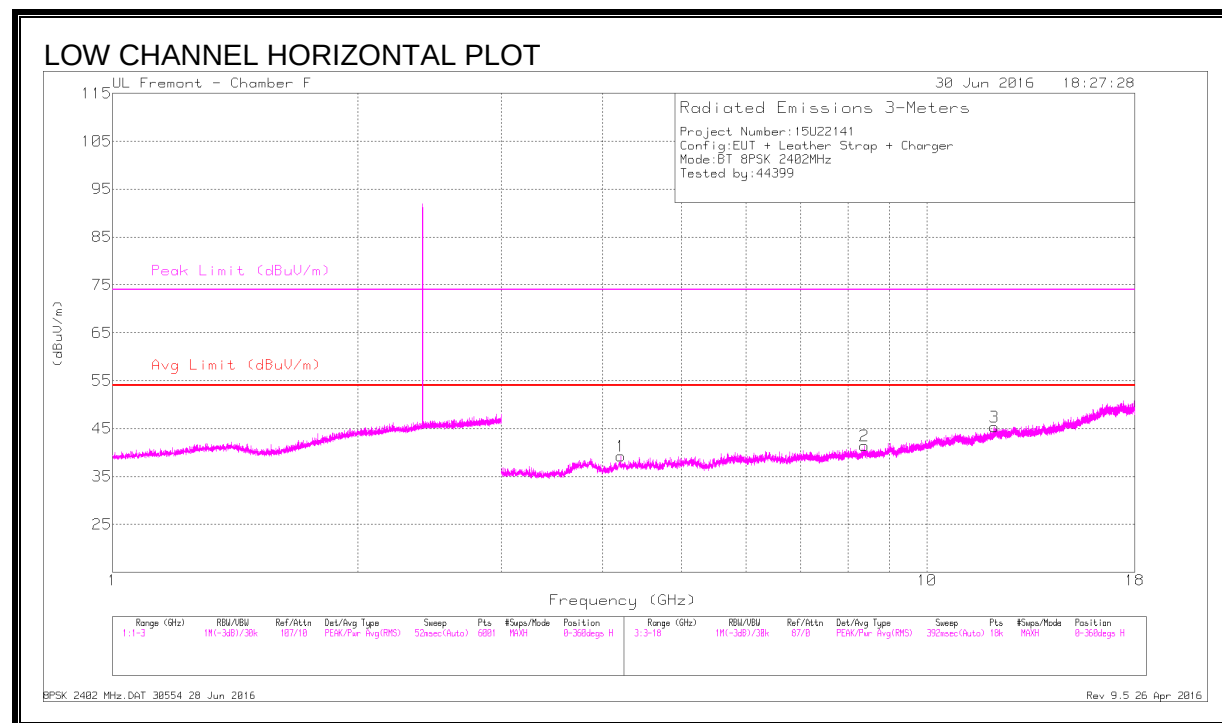
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.32	Pk	32.3	-21	54.62	-	-	74	-19.38	215	321	V
2	* 2.484	44.1	Pk	32.3	-21	55.4	-	-	74	-18.6	215	321	V
3	* 2.484	31.16	VA1T	32.3	-21	42.46	54	-11.54	-	-	215	321	V
4	* 2.484	30.03	VA1T	32.3	-21	41.33	54	-12.67	-	-	215	321	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



DATA

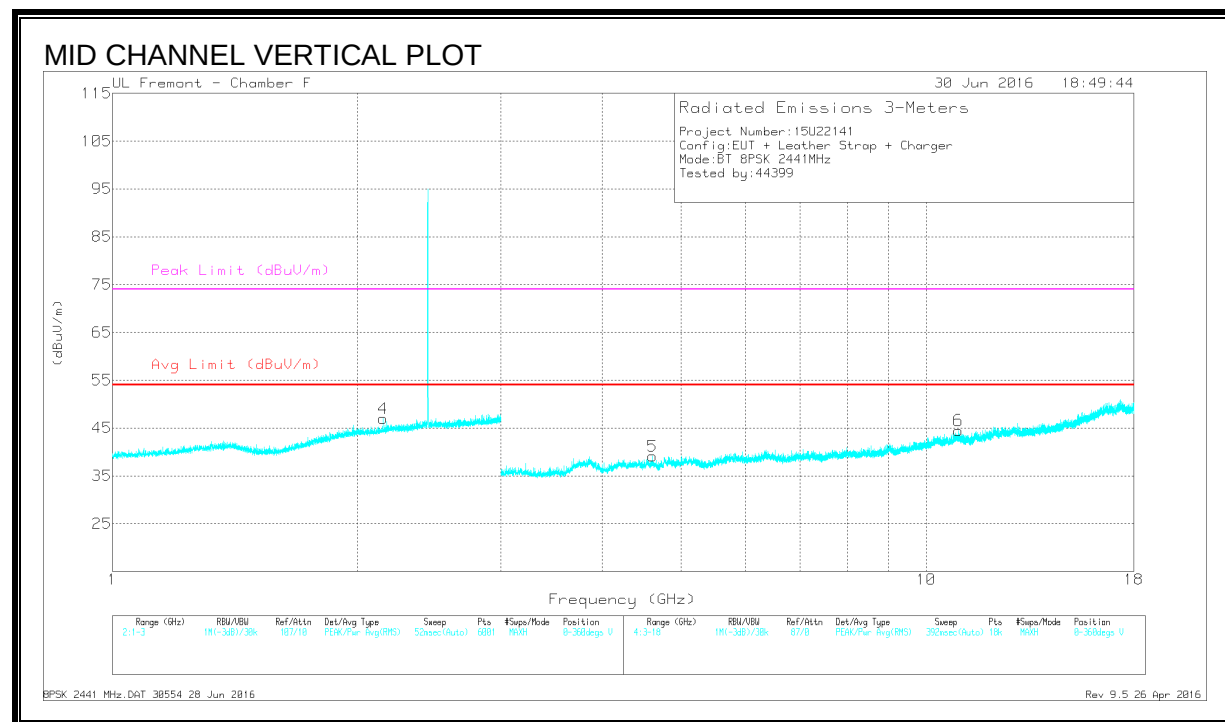
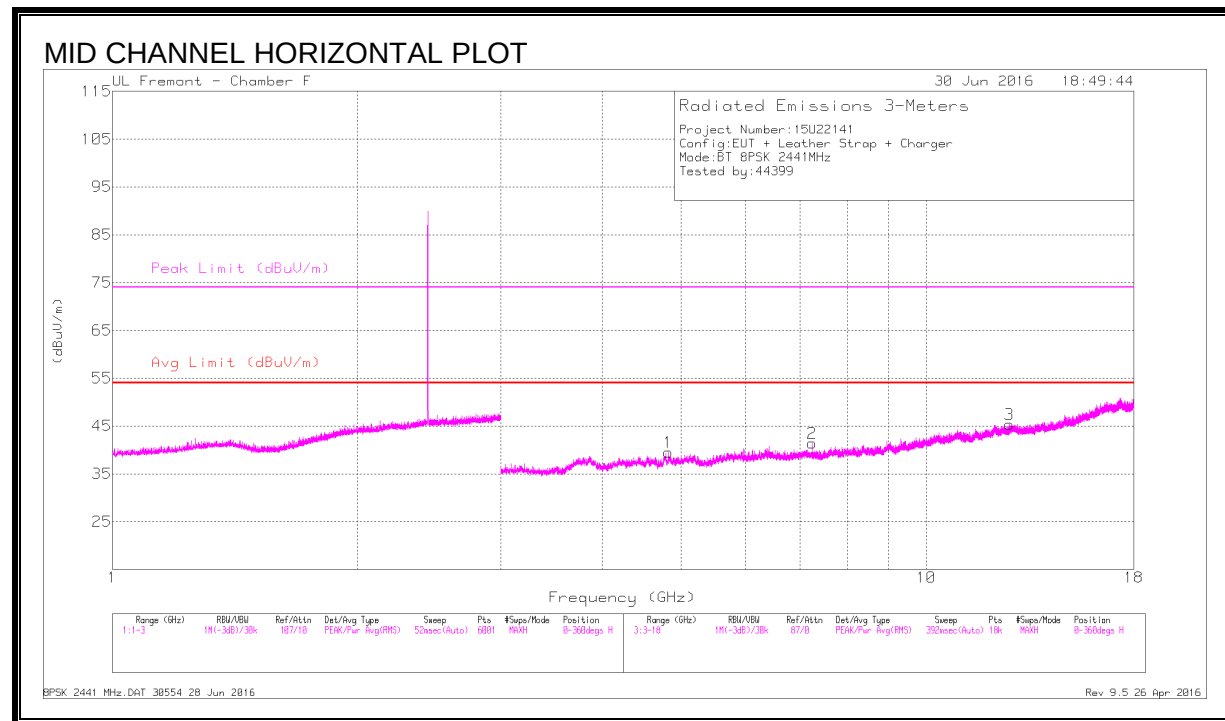
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.209	37.51	PKFH	33.7	-27.9	43.31	-	-	74	-30.69	359	228	H
	* 4.206	26	VA1T	33.7	-27.9	31.8	54	-22.2	-	-	359	228	H
2	* 8.382	35.18	PKFH	35.7	-23.8	47.08	-	-	74	-26.92	34	218	H
	* 8.384	23.4	VA1T	35.7	-23.9	35.2	54	-18.8	-	-	34	218	H
3	* 12.103	34.03	PKFH	38.9	-22	50.93	-	-	74	-23.07	168	267	H
	* 12.101	22.36	VA1T	38.9	-22	39.26	54	-14.74	-	-	168	267	H
4	* 4.825	36.97	PKFH	34	-27.2	43.77	-	-	74	-30.23	100	121	V
	* 4.824	25.1	VA1T	34	-27.2	31.9	54	-22.1	-	-	100	121	V
5	* 9.045	33.86	PKFH	36	-22.5	47.36	-	-	74	-26.64	58	123	V
	* 9.042	22.22	VA1T	36	-22.5	35.72	54	-18.28	-	-	58	123	V
6	12.827	34.29	PKFH	39.3	-22.3	51.29	-	-	-	-	172	186	V
	12.824	22.88	VA1T	39.3	-22.3	39.88	-	-	-	-	172	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

HARMONICS AND SPURIOUS EMISSIONS



DATA

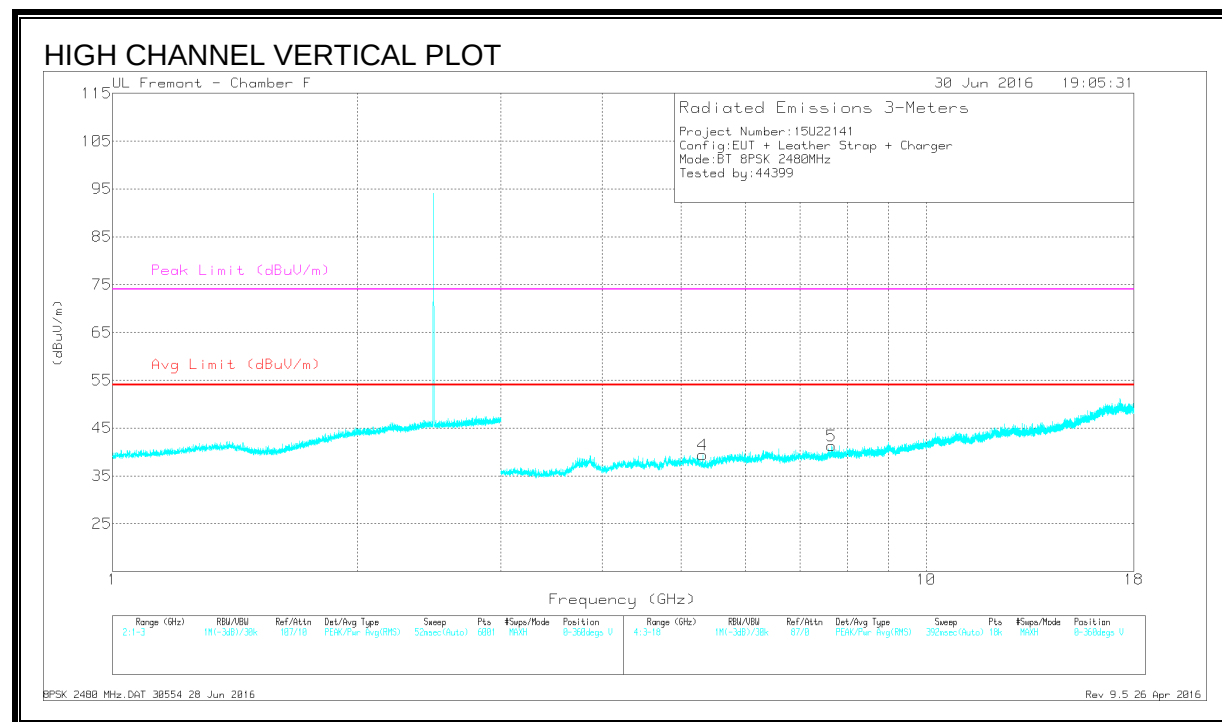
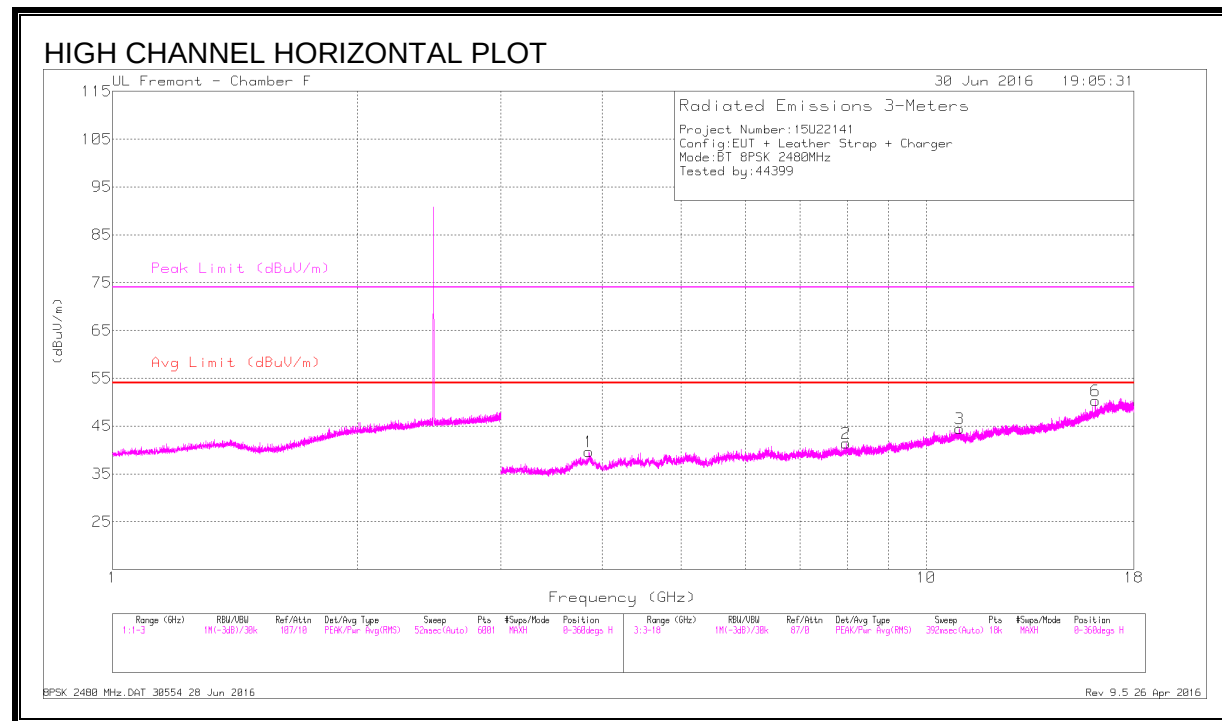
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.148	40.43	PKFH	31.7	-21.2	50.93	-	-	-	-	134	176	V
	2.148	29.2	VA1T	31.7	-21.2	39.7	-	-	-	-	134	176	V
1	* 4.823	36.67	PKFH	34	-27.2	43.47	-	-	74	-30.53	170	304	H
	* 4.823	25.11	VA1T	34	-27.2	31.91	54	-22.09	-	-	170	304	H
2	7.24	36.8	PKFH	35.6	-26	46.4	-	-	-	-	103	115	H
	7.239	24.72	VA1T	35.6	-26	34.32	-	-	-	-	103	115	H
3	* 12.658	34.47	PKFH	39.2	-22.9	50.77	-	-	74	-23.23	210	223	H
	* 12.658	22.98	VA1T	39.2	-22.9	39.28	54	-14.72	-	-	210	223	H
5	* 4.613	38.1	PKFH	34.1	-28	44.2	-	-	74	-29.8	127	144	V
	* 4.613	26.09	VA1T	34.1	-28	32.19	54	-21.81	-	-	127	144	V
4	* 10.96	32.95	PKFH	37.9	-21.6	49.25	-	-	74	-24.75	249	129	V
	* 10.961	21.74	VA1T	37.9	-21.6	38.04	54	-15.96	-	-	249	129	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

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 3.85	37.57	PKFH	33.4	-28.2	42.77	-	-	74	-31.23	145	208	H
	* 3.849	26.53	VA1T	33.4	-28.2	31.73	54	-22.27	-	-	145	208	H
2	7.97	35.98	PKFH	35.8	-25.2	46.58	-	-	-	-	66	221	H
	7.967	24.12	VA1T	35.8	-25.2	34.72	-	-	-	-	66	221	H
3	* 10.989	33.09	PKFH	37.9	-21.5	49.49	-	-	74	-24.51	97	214	H
	* 10.991	21.89	VA1T	37.9	-21.5	38.29	54	-15.71	-	-	97	214	H
6	* 16.154	34.18	PKFH	41.2	-20.9	54.48	-	-	74	-19.52	147	232	H
	* 16.153	22.61	VA1T	41.2	-20.9	42.91	54	-11.09	-	-	147	232	H
4	5.313	37.23	PKFH	34.5	-28.4	43.33	-	-	-	-	133	175	V
	5.31	26.18	VA1T	34.5	-28.4	32.28	-	-	-	-	133	175	V
5	* 7.652	35.21	PKFH	35.7	-25.3	45.61	-	-	74	-28.39	245	155	V
	* 7.65	24.19	VA1T	35.7	-25.3	34.59	54	-19.41	-	-	245	155	V

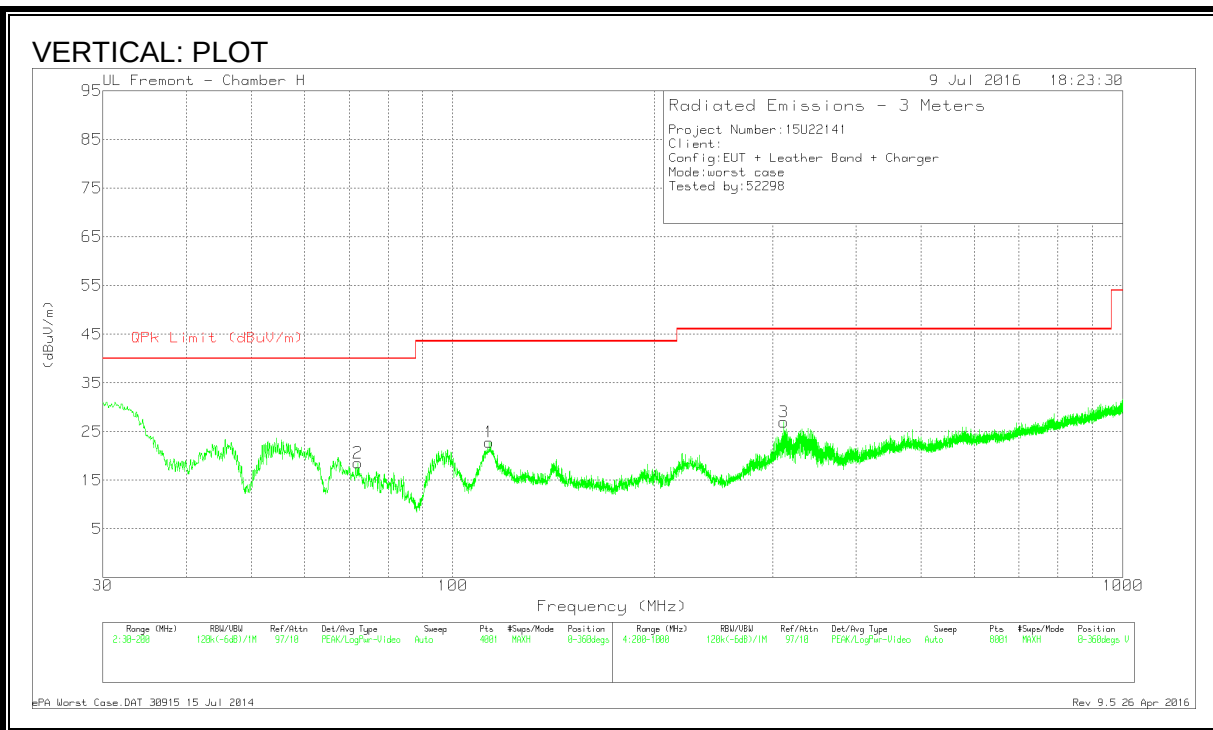
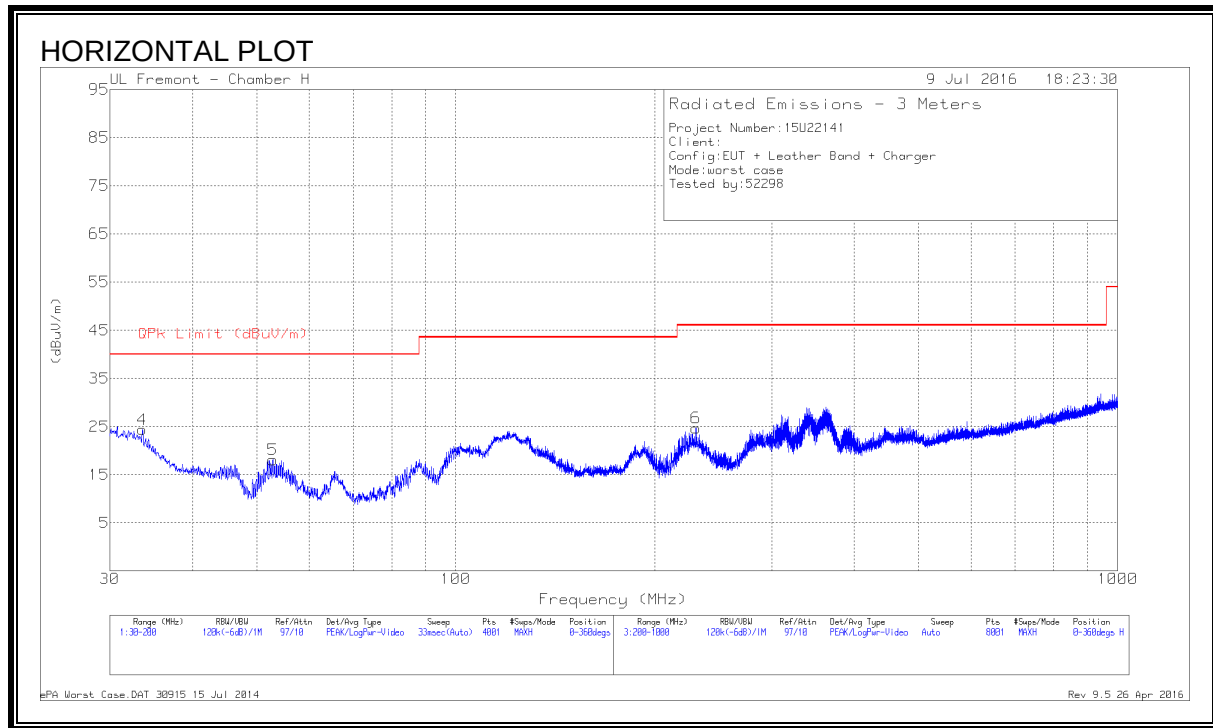
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

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

8.3. WORST-CASE BELOW 1 GHz

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



DATA

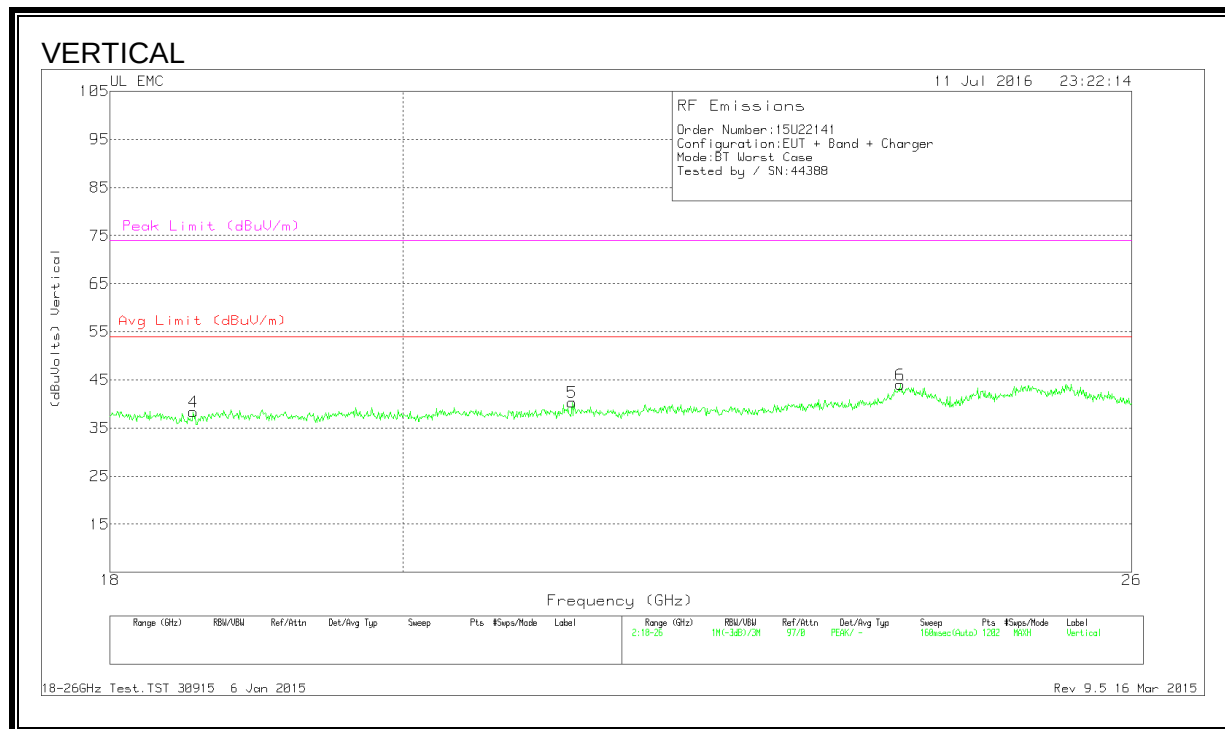
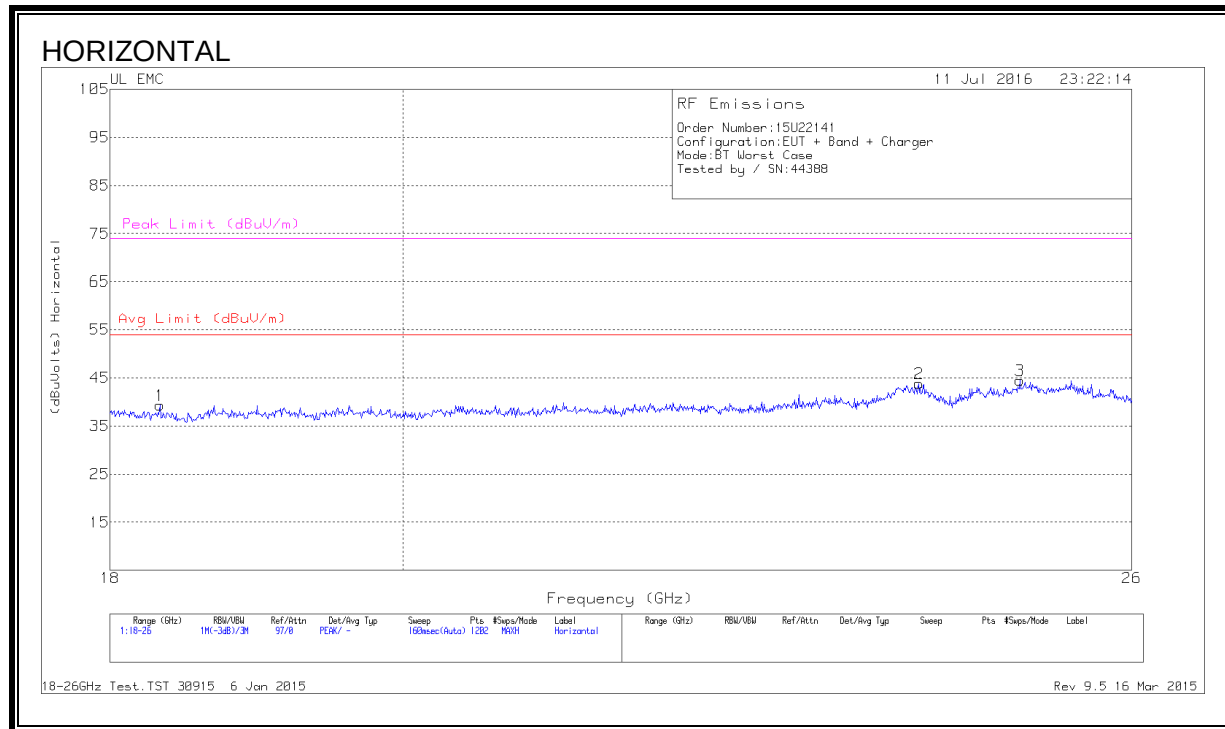
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 113.2788	36.24	Pk	16.9	-30.3	22.84	43.52	-20.68	0-360	100	V
4	33.6125	32.7	Pk	23	-31.3	24.4	40	-15.6	0-360	300	H
5	52.9075	38.21	Pk	10.9	-31	18.11	40	-21.89	0-360	400	H
2	72.16	37.28	Pk	12.1	-30.8	18.58	40	-21.42	0-360	100	V
6	230.6	39.21	Pk	14.9	-29.4	24.71	46.02	-21.31	0-360	100	H
3	311.8	38.18	Pk	17.7	-28.9	26.98	46.02	-19.04	0-360	100	V

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

Pk - Peak detector

8.4. WORST-CASE ABOVE 18 GHz

SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



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	18.326	41.73	Pk	32.4	-25.3	-9.5	39.33	54	-14.67	74	-34.67
2	24.082	43.63	Pk	34	-24.3	-9.5	43.83	54	-10.17	74	-30.17
3	24.974	44	Pk	34.2	-24.2	-9.5	44.5	54	-9.5	74	-29.5
4	18.546	40.73	Pk	32.5	-25.4	-9.5	38.33	54	-15.67	74	-35.67
5	21.257	42.13	Pk	33.1	-25.4	-9.5	40.33	54	-13.67	74	-33.67
6	23.922	43.4	Pk	34	-23.9	-9.5	44	54	-10	74	-30

Pk - Peak detector

18-26GHz Test.TST 30915 6 Jan 2015

Rev 9.5 16 Mar 2015

9. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	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

EUT is powered by battery. AC line conducted emission is not applicable.