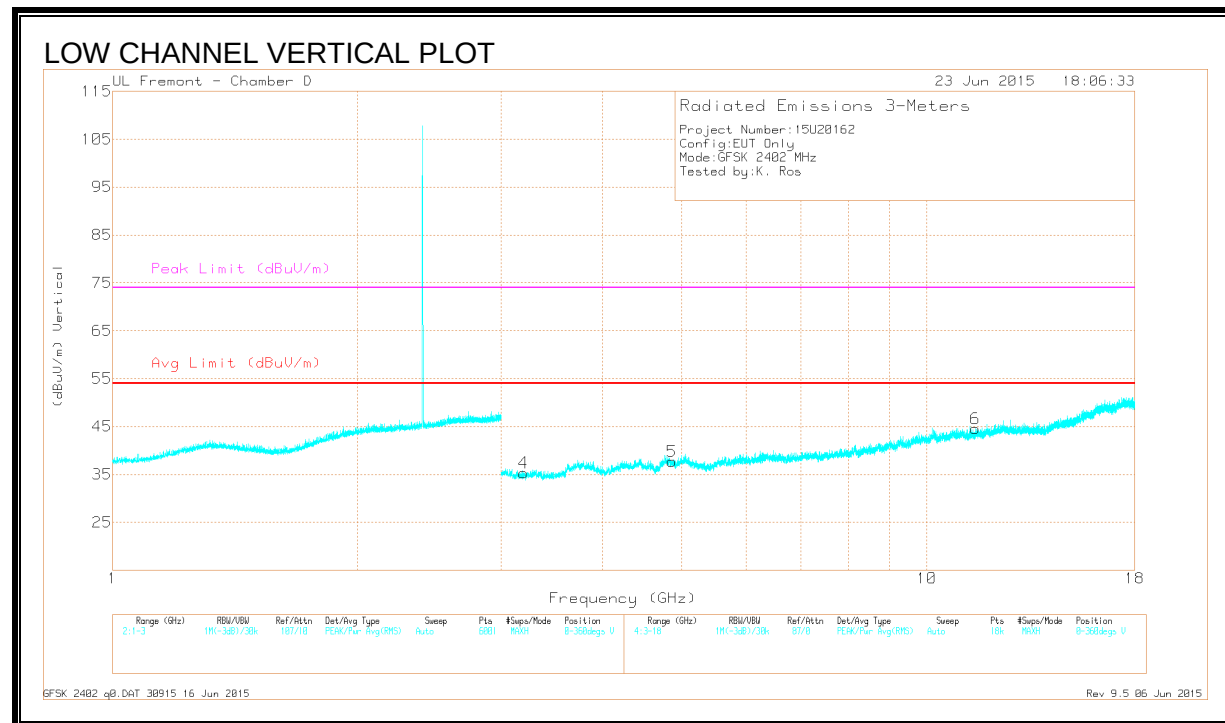
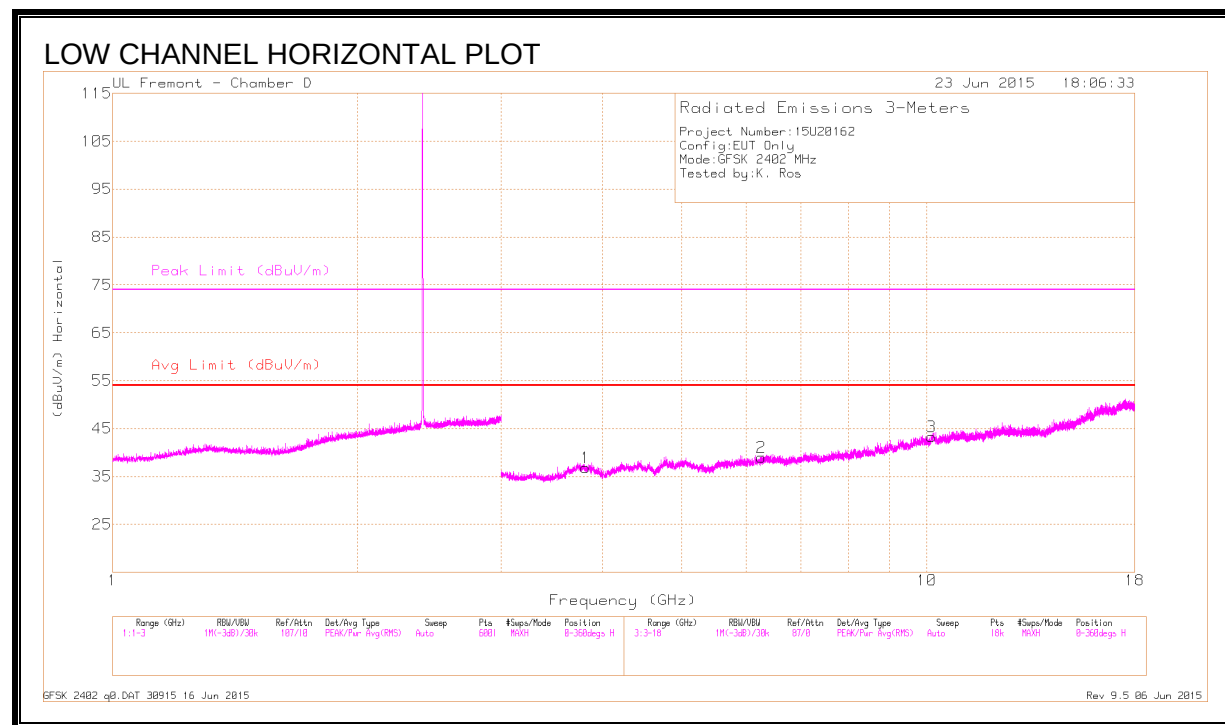


HARMONICS AND SPURIOUS EMISSIONS



DATA

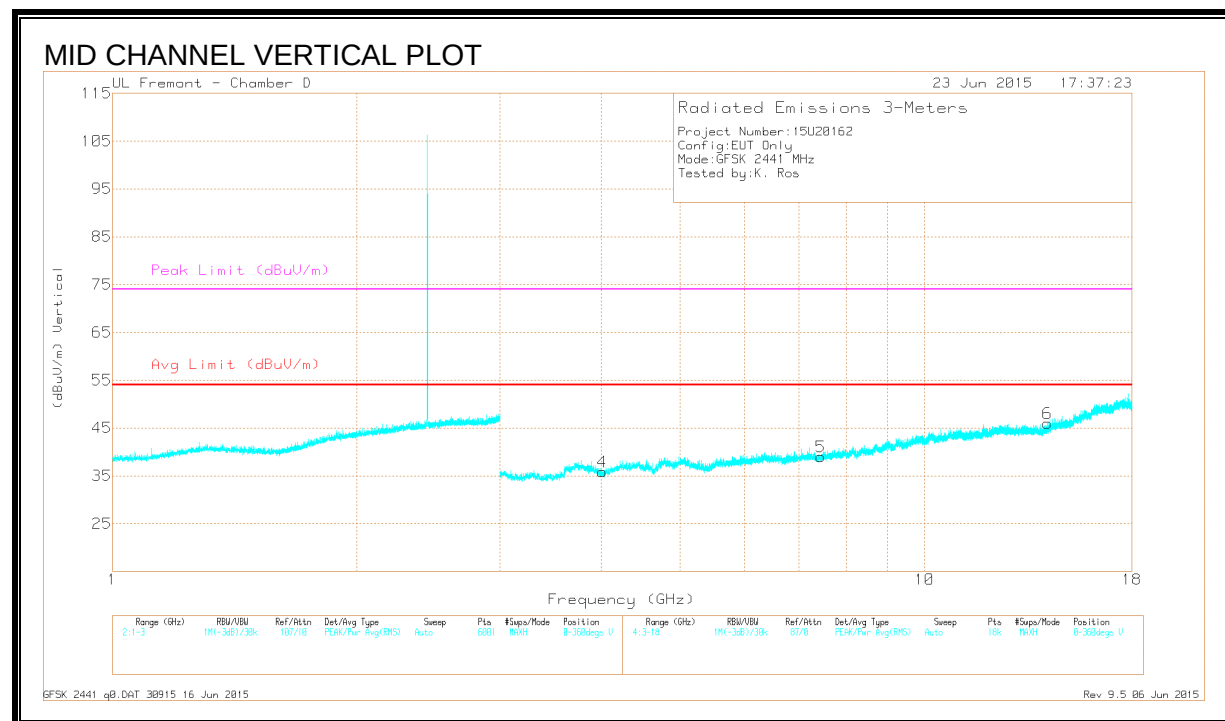
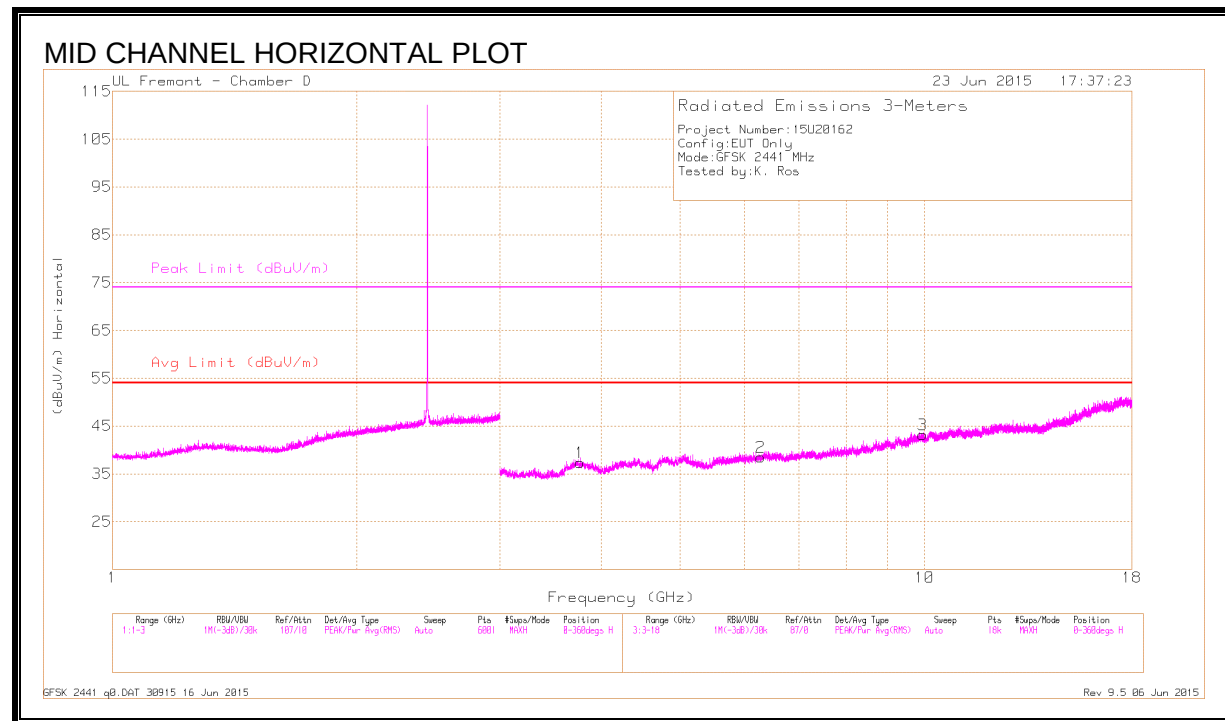
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.81	38.6	PK3	33.4	-28.5	43.5	-	-	74	-30.5	243	200	H
	* 3.813	27.8	VB10	33.4	-28.6	32.6	54	-21.4	-	-	243	200	H
5	* 4.865	38.71	PK3	34.1	-28.1	44.71	-	-	74	-29.29	161	235	V
	* 4.864	27.02	VB10	34.1	-28.1	33.02	54	-20.98	-	-	161	235	V
6	* 11.467	34.51	PK3	38.1	-21.6	51.01	-	-	74	-22.99	109	242	V
	* 11.467	23.36	VB10	38.1	-21.6	39.86	54	-14.14	-	-	109	242	V
4	3.195	39.44	PK3	32.6	-29.1	42.94	-	-	-	-	284	188	V
2	6.26	37.45	PK3	35.4	-26.7	46.15	-	-	-	-	301	286	H
3	10.133	33.96	PK3	37.1	-20.4	50.66	-	-	-	-	177	229	H

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

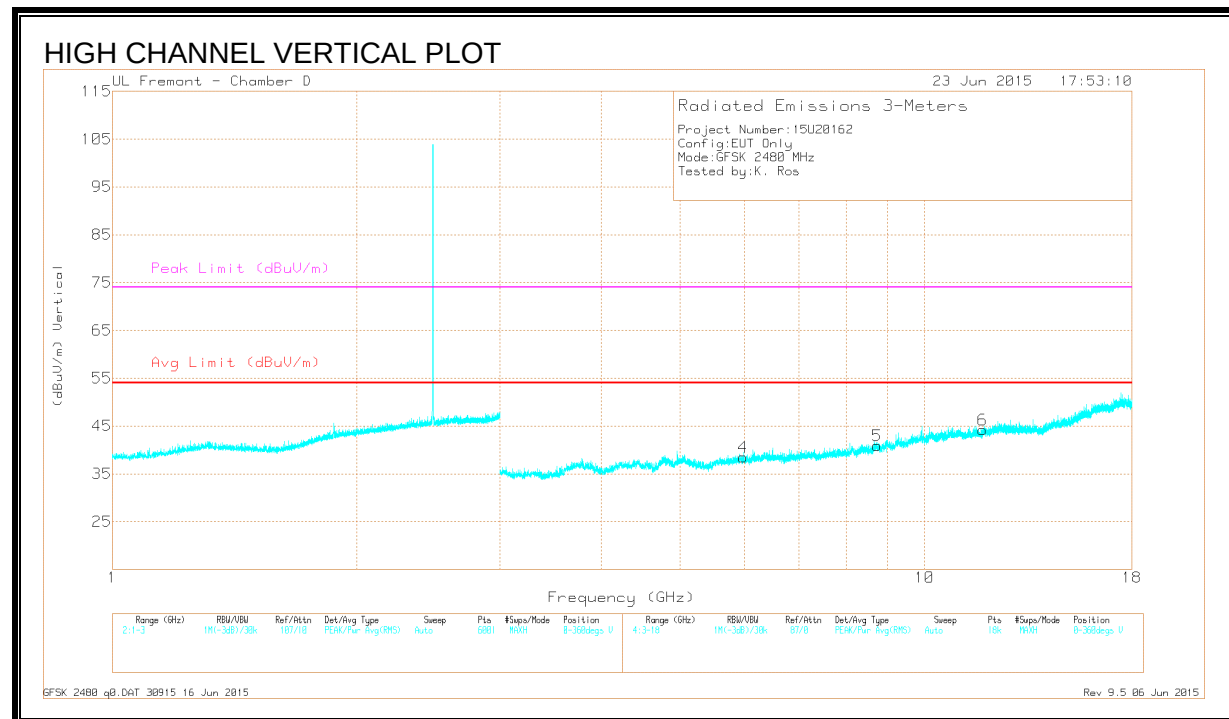
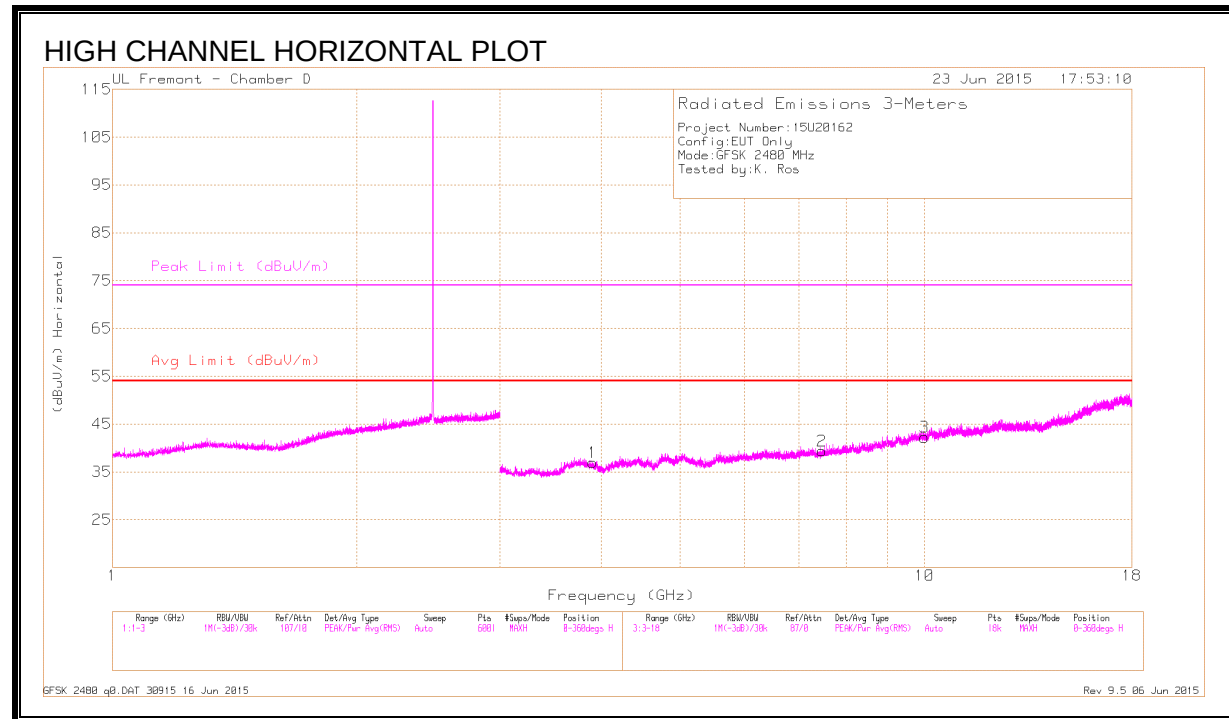
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.761	39.62	PK3	33.3	-28.4	44.52	-	-	74	-29.48	228	201	H
	* 3.763	27.3	VB10	33.3	-28.3	32.3	54	-21.7	-	-	228	201	H
4	* 4.01	38.73	PK3	33.3	-28.7	43.33	-	-	74	-30.67	239	178	V
	* 4.01	27.4	VB10	33.3	-28.7	32	54	-22	-	-	239	178	V
5	* 7.446	36.33	PK3	35.5	-25	46.83	-	-	74	-27.17	291	237	V
	* 7.447	24.55	VB10	35.5	-25	35.05	54	-18.95	-	-	291	237	V
2	6.28	36.4	PK3	35.4	-26.4	45.4	-	-	-	-	164	199	H
3	9.947	34.65	PK3	37.1	-21.2	50.55	-	-	-	-	192	224	H
6	14.173	36.08	PK3	39	-22.8	52.28	-	-	-	-	205	276	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cbl/FI tr/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	* 3.899	38.4	PK3	33.4	-28.2	43.6	-	-	74	-30.4	211	247	H
	* 3.9	27.59	VB10	33.4	-28.2	32.79	54	-21.21	-	-	211	247	H
2	* 7.477	35.67	PK3	35.5	-24.8	46.37	-	-	74	-27.63	128	269	H
	* 7.478	24.75	VB10	35.5	-24.8	35.45	54	-18.55	-	-	128	269	H
6	* 11.783	34.09	PK3	38.2	-21.2	51.09	-	-	74	-22.91	185	199	V
	* 11.786	23.34	VB10	38.2	-21.2	40.34	54	-13.66	-	-	185	199	V
4	5.979	37.6	PK3	35.4	-26.9	46.1	-	-	-	-	207	228	V
5	8.743	34.96	PK3	35.9	-22.5	48.36	-	-	-	-	79	175	V
3	9.994	34.11	PK3	37.1	-21.6	49.61	-	-	-	-	232	241	H

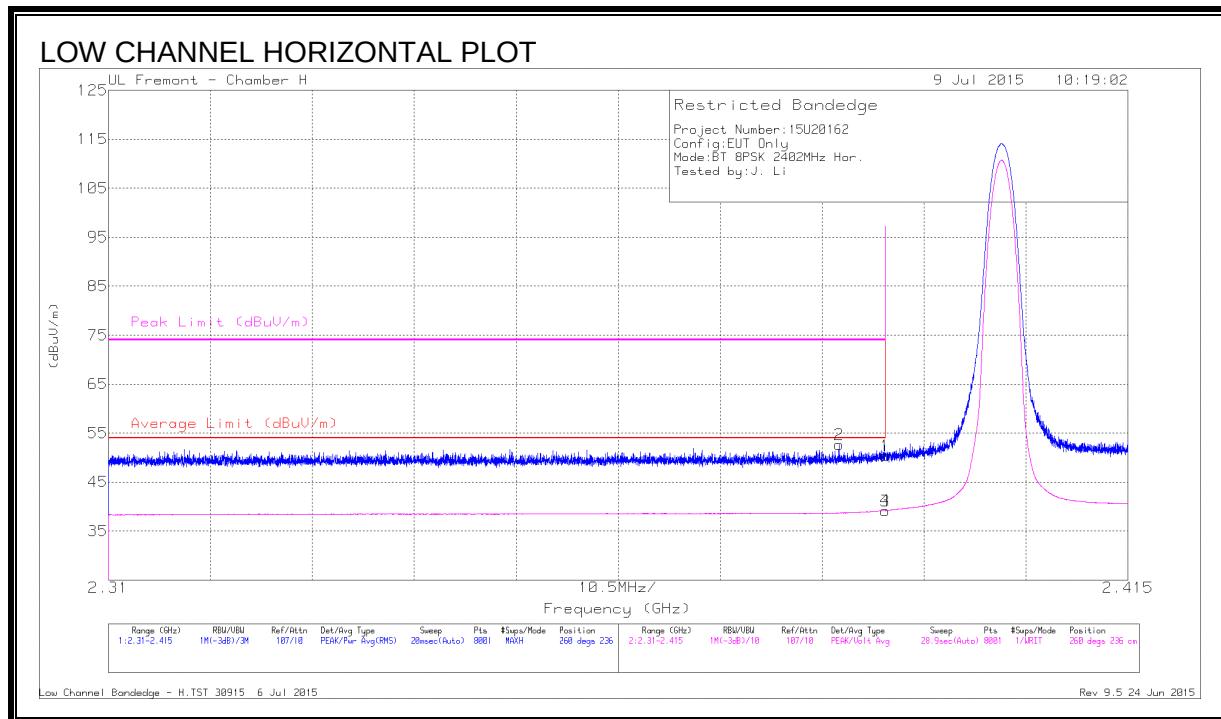
* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

9.2.2. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



DATA

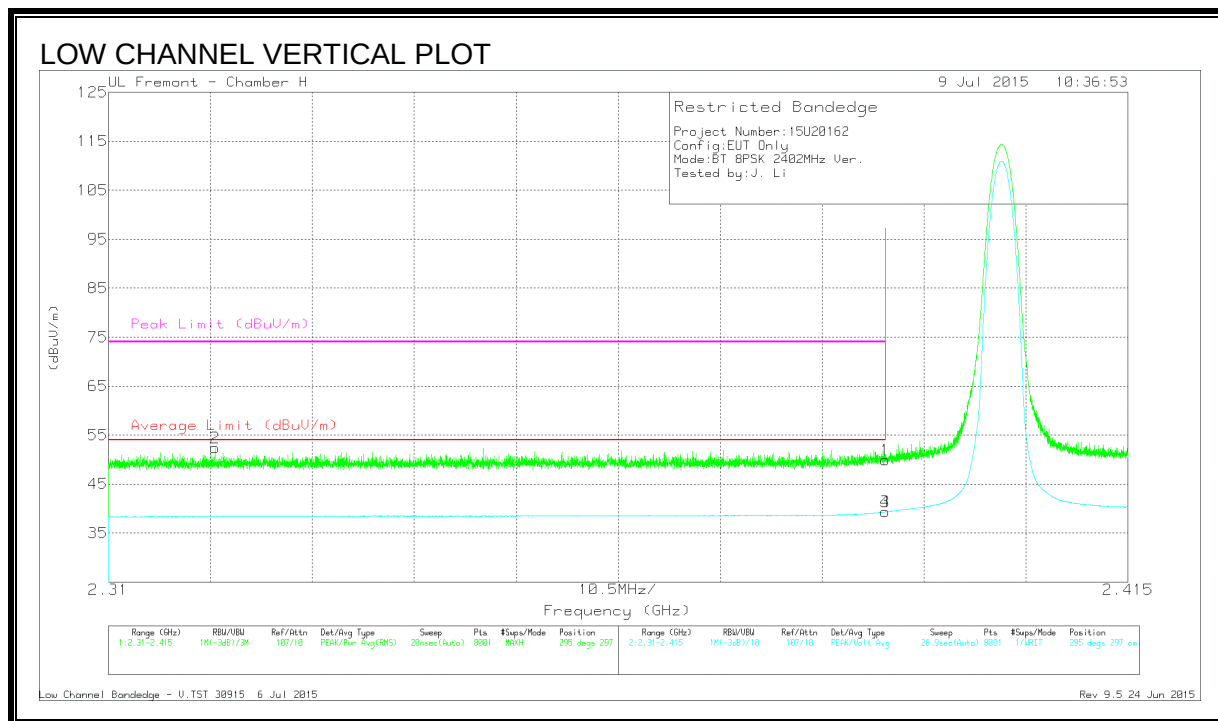
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.88	Pk	32	-23.5	50.38	-	-	74	-23.62	260	236	H
2	* 2.385	44.18	Pk	32	-23.5	52.68	-	-	74	-21.32	260	236	H
3	* 2.39	30.67	VB1T	32	-23.5	39.17	54	-14.83	-	-	260	236	H
4	* 2.39	30.68	VB1T	32	-23.5	39.18	54	-14.82	-	-	260	236	H

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

Pk - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



DATA

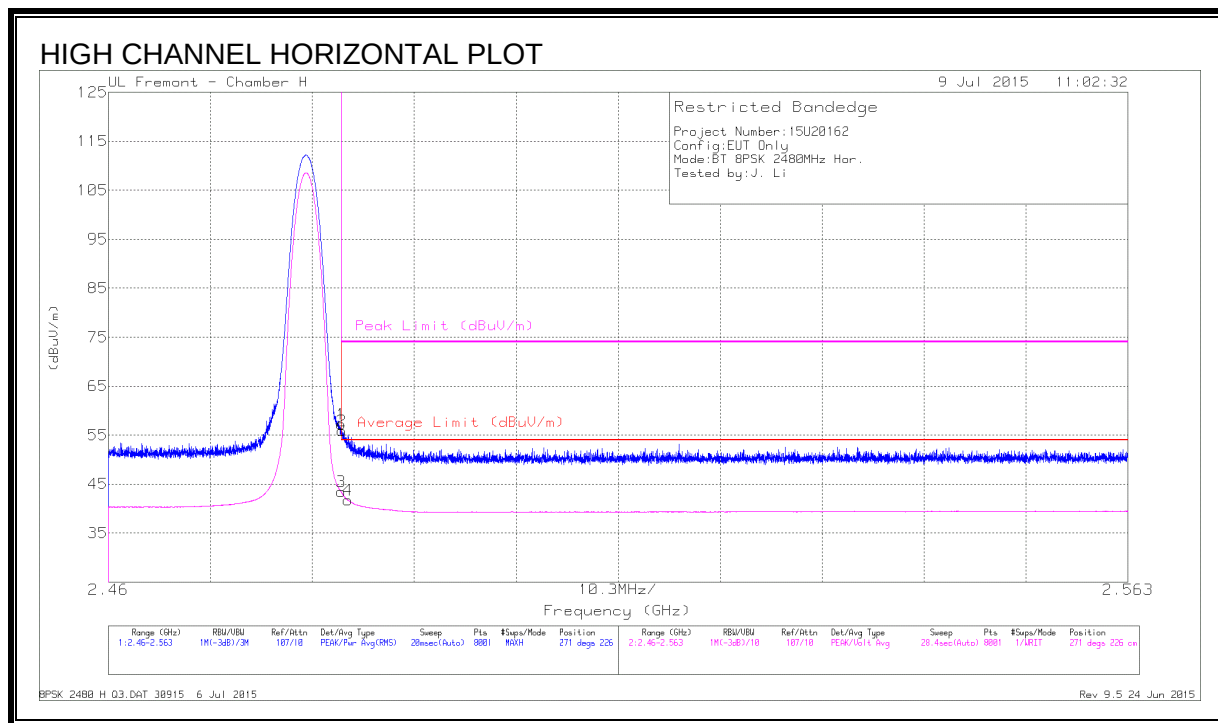
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.37	Pk	32	-23.5	49.87	-	-	74	-24.13	295	297	V
2	* 2.321	44.15	Pk	31.8	-23.5	52.45	-	-	74	-21.55	295	297	V
3	* 2.39	30.81	VB1T	32	-23.5	39.31	54	-14.69	-	-	295	297	V
4	* 2.39	30.81	VB1T	32	-23.5	39.31	54	-14.69	-	-	295	297	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



DATA

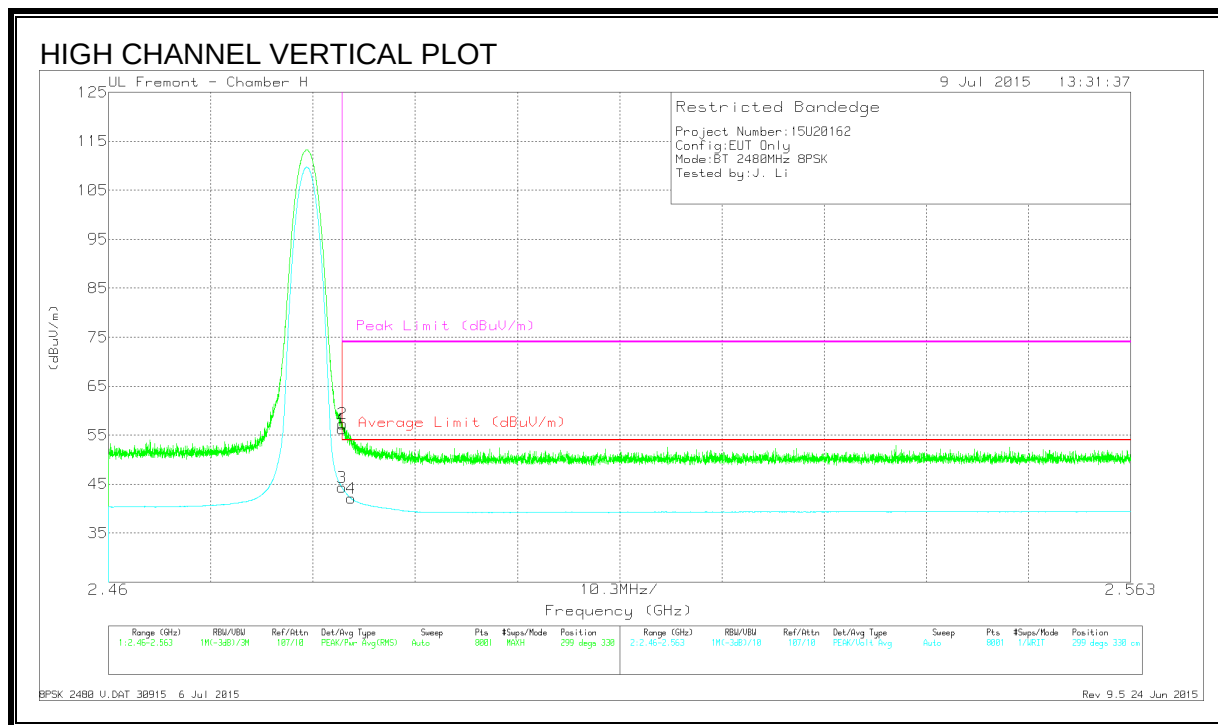
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.24	Pk	32.4	-23.4	57.24	-	-	74	-16.76	271	226	H
2	* 2.484	46.93	Pk	32.4	-23.4	55.93	-	-	74	-18.07	271	226	H
3	* 2.484	34.42	VB1T	32.4	-23.4	43.42	54	-10.58	-	-	271	226	H
4	* 2.484	32.73	VB1T	32.4	-23.4	41.73	54	-12.27	-	-	271	226	H

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



DATA

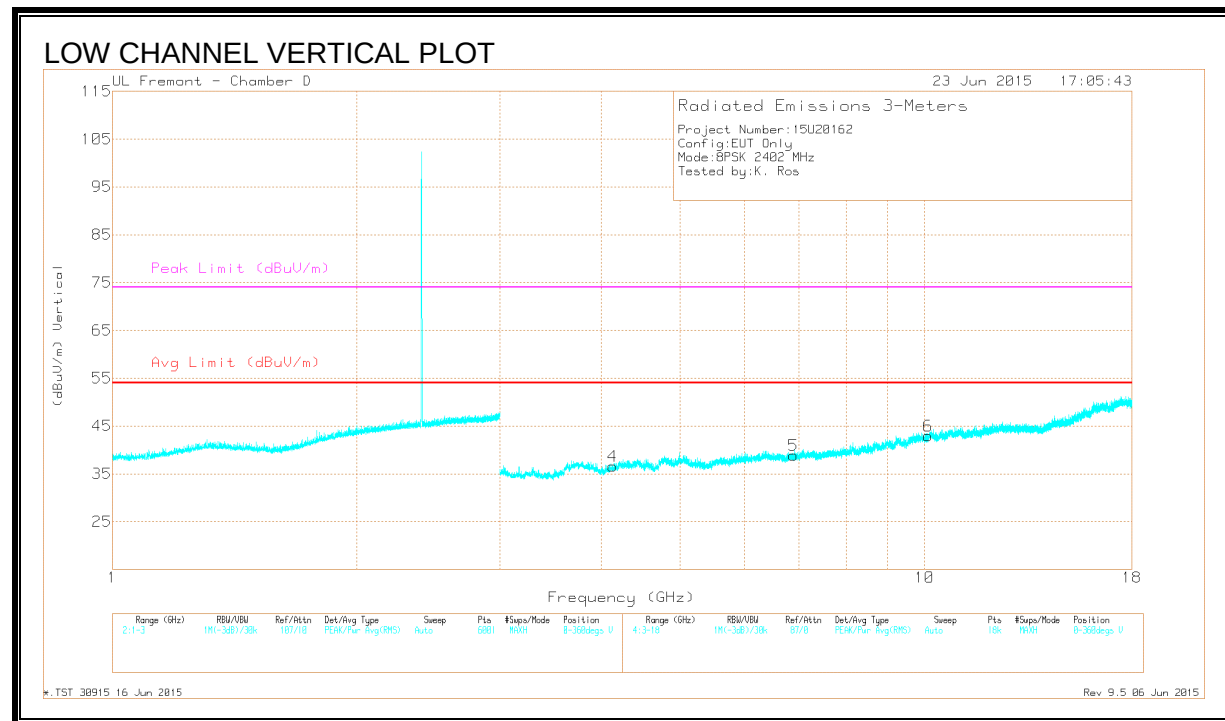
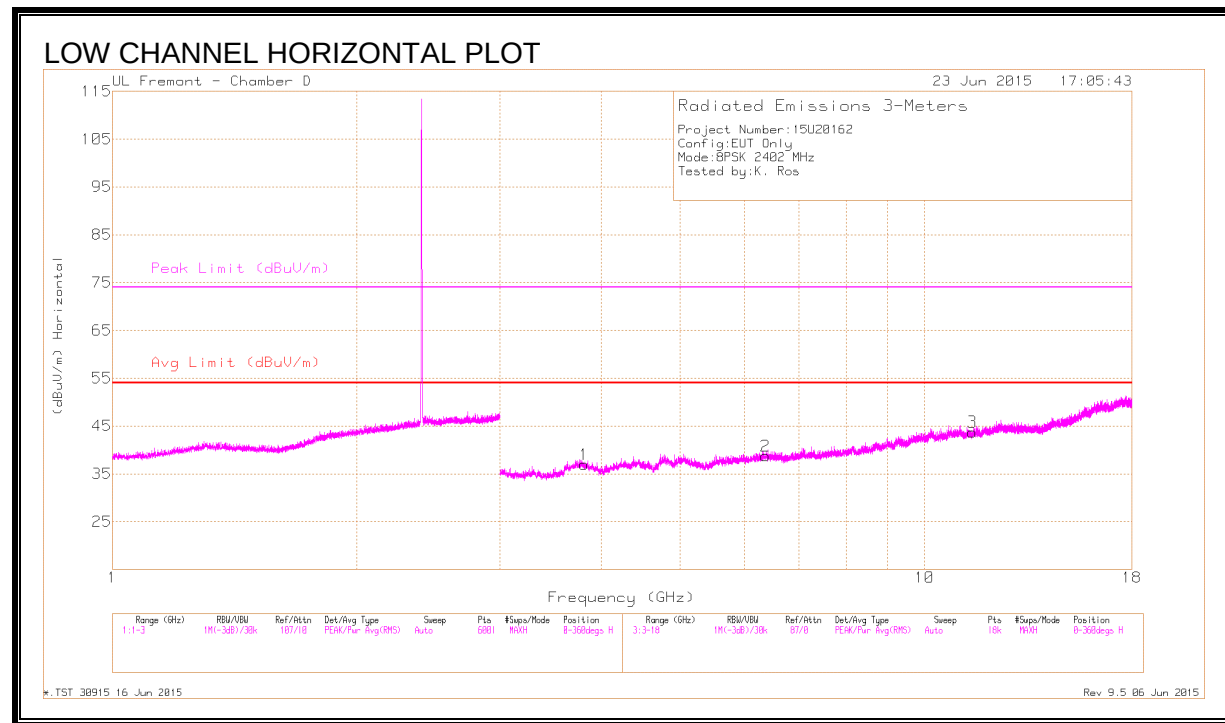
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.24	Pk	32.4	-23.4	56.24	-	-	74	-17.76	299	330	V
2	* 2.484	48.31	Pk	32.4	-23.4	57.31	-	-	74	-16.69	299	330	V
3	* 2.484	35.29	VB1T	32.4	-23.4	44.29	54	-9.71	-	-	299	330	V
4	* 2.484	33.08	VB1T	32.4	-23.4	42.08	54	-11.92	-	-	299	330	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

Pk - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

HARMONICS AND SPURIOUS EMISSIONS



DATA

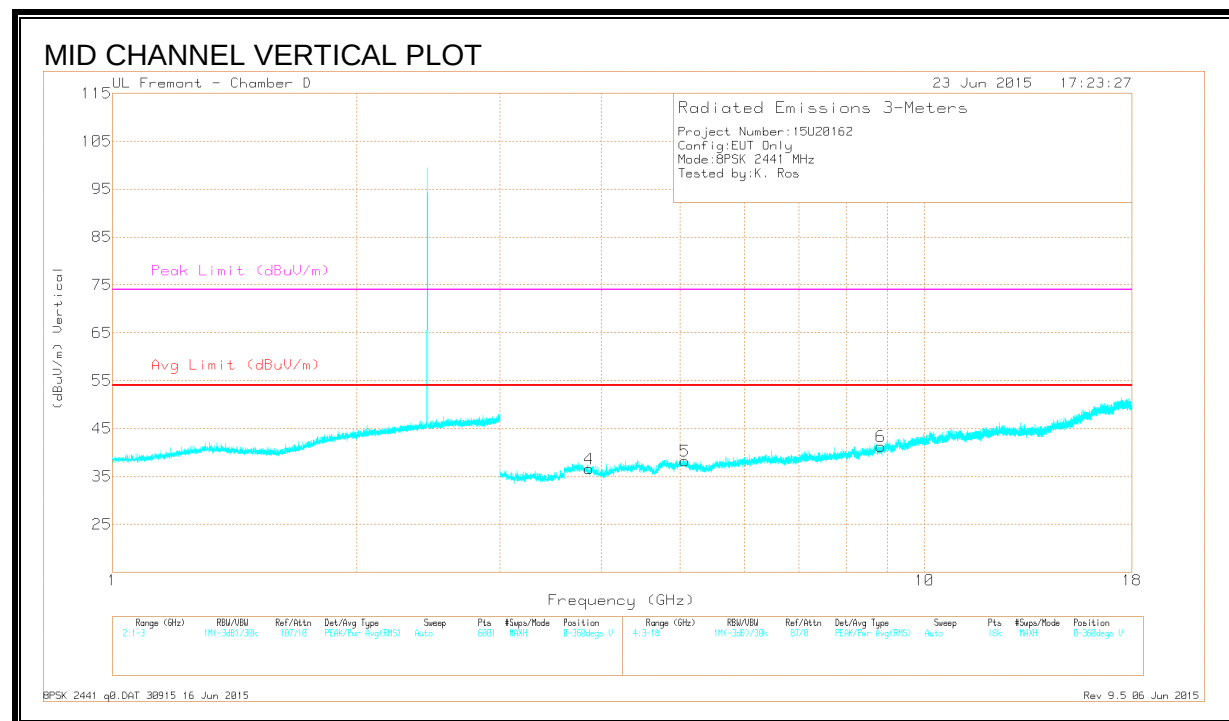
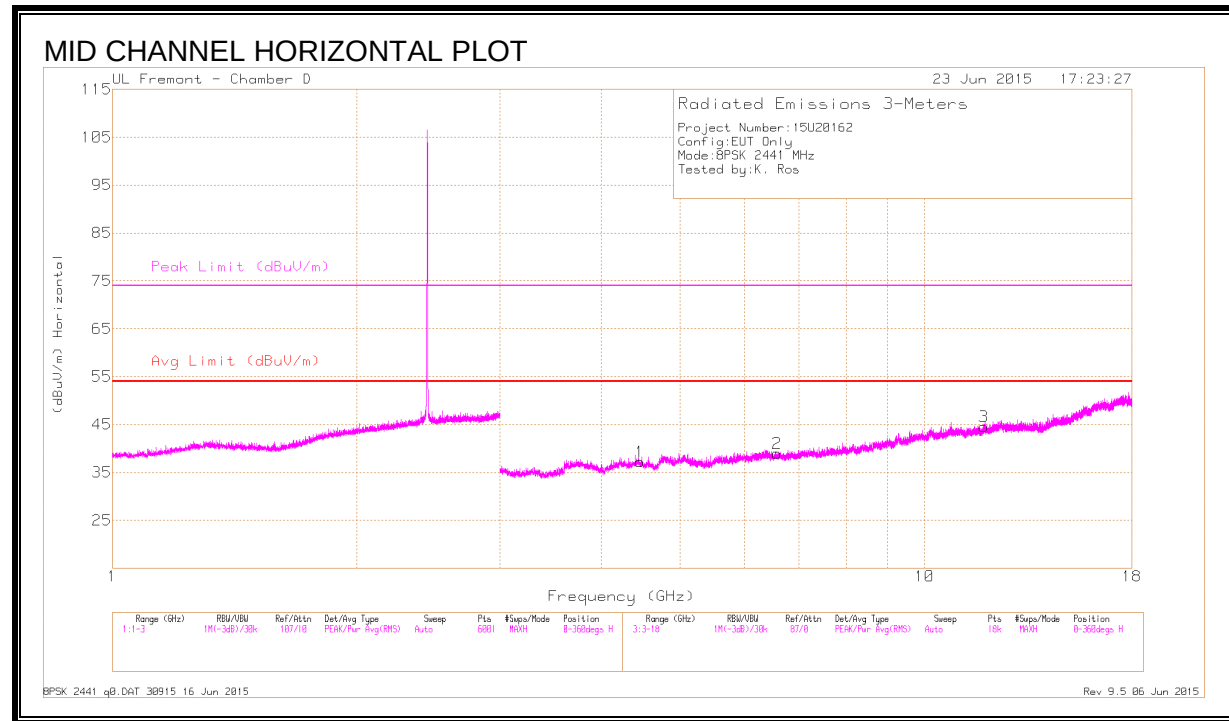
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.811	39.43	PK3	33.4	-28.5	44.33	-	-	74	-29.67	112	201	H
	* 3.813	27.63	VB10	33.4	-28.5	32.53	54	-21.47	-	-	112	201	H
3	* 11.451	34.82	PK3	38	-21.6	51.22	-	-	74	-22.78	165	198	H
	* 11.454	23.58	VB10	38	-21.6	39.98	54	-14.02	-	-	165	198	H
4	* 4.134	37.89	PK3	33.4	-28.1	43.19	-	-	74	-30.81	226	251	V
	* 4.131	26.96	VB10	33.4	-28.1	32.26	54	-21.74	-	-	226	251	V
2	6.373	37.07	PK3	35.4	-26.3	46.17	-	-	-	-	98	193	H
5	6.894	35.98	PK3	35.5	-25.9	45.58	-	-	-	-	207	244	V
6	10.102	34.16	PK3	37.1	-21.4	49.86	-	-	-	-	282	271	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

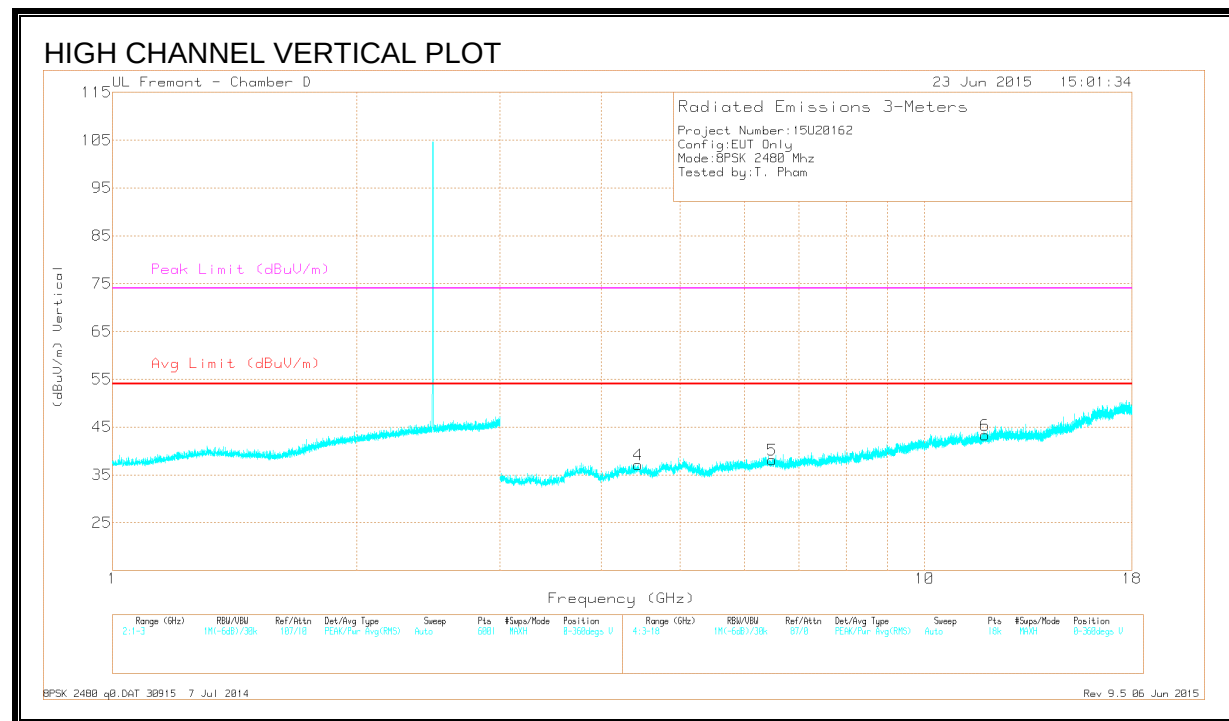
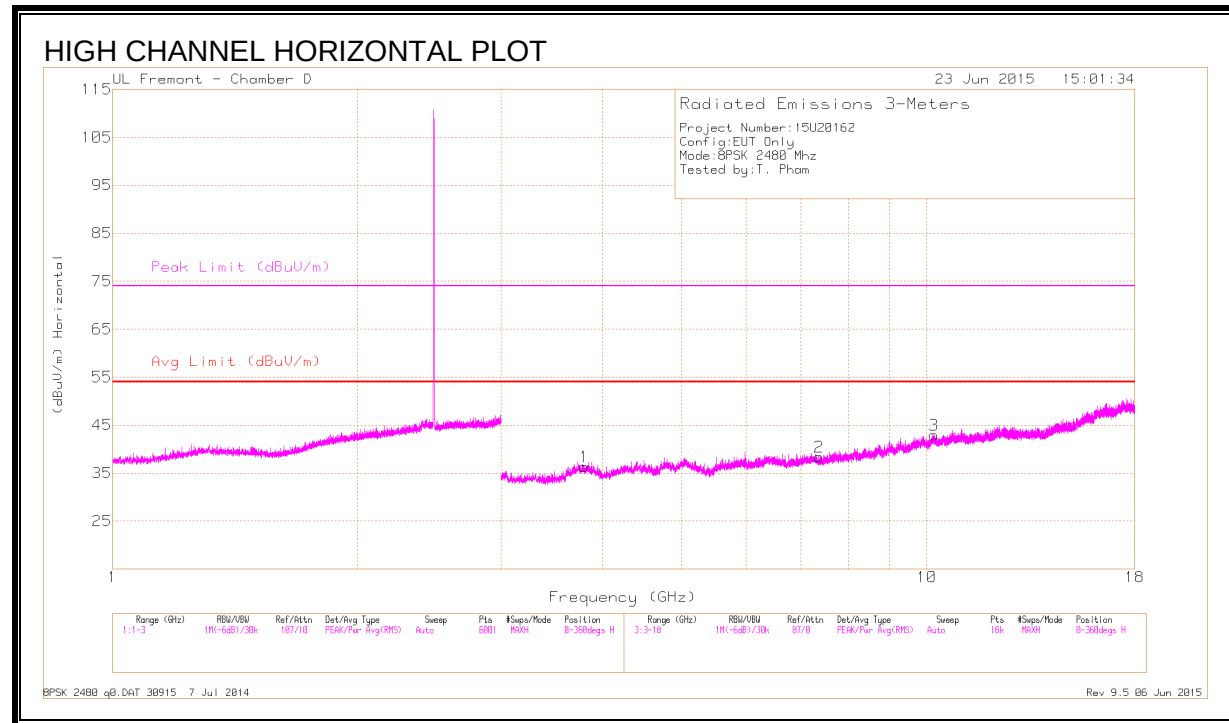
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 11.827	35.15	PK3	38.3	-21.1	52.35	-	-	74	-21.65	118	186	H
	* 11.827	23.53	VB10	38.3	-21.1	40.73	54	-13.27	-	-	118	186	H
4	* 3.865	39.43	PK3	33.4	-28.6	44.23	-	-	74	-29.77	233	254	V
	* 3.863	27.88	VB10	33.4	-28.7	32.58	54	-21.42	-	-	233	254	V
5	* 5.069	37.67	PK3	34.2	-26.7	45.17	-	-	74	-28.83	135	241	V
	* 5.071	26.56	VB10	34.2	-26.8	33.96	54	-20.04	-	-	135	241	V
1	4.464	38.15	PK3	34	-27.7	44.45	-	-	-	-	86	195	H
2	6.583	36.92	PK3	35.5	-25.8	46.62	-	-	-	-	149	207	H
6	8.829	35.42	PK3	35.9	-23	48.32	-	-	-	-	158	219	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fitr/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	* 3.801	38.76	PK3	33.3	-28.4	43.66	-	-	74	-30.34	312	211	H
	* 3.801	27.44	VB10	33.3	-28.4	32.34	54	-21.66	-	-	312	211	H
2	* 7.375	36.01	PK3	35.5	-25.4	46.11	-	-	74	-27.89	236	257	H
	* 7.372	25.09	VB10	35.5	-25.4	35.19	54	-18.81	-	-	236	257	H
6	* 11.867	34.77	PK3	38.4	-21	52.17	-	-	74	-21.83	174	301	V
	* 11.867	23.31	VB10	38.4	-21	40.71	54	-13.29	-	-	174	301	V
4	4.439	38.28	PK3	33.9	-27.5	44.68	-	-	-	-	228	192	V
5	6.493	37.1	PK3	35.5	-26.4	46.2	-	-	-	-	188	229	V
3	10.198	33.88	PK3	37.2	-20.1	50.98	-	-	-	-	106	144	H

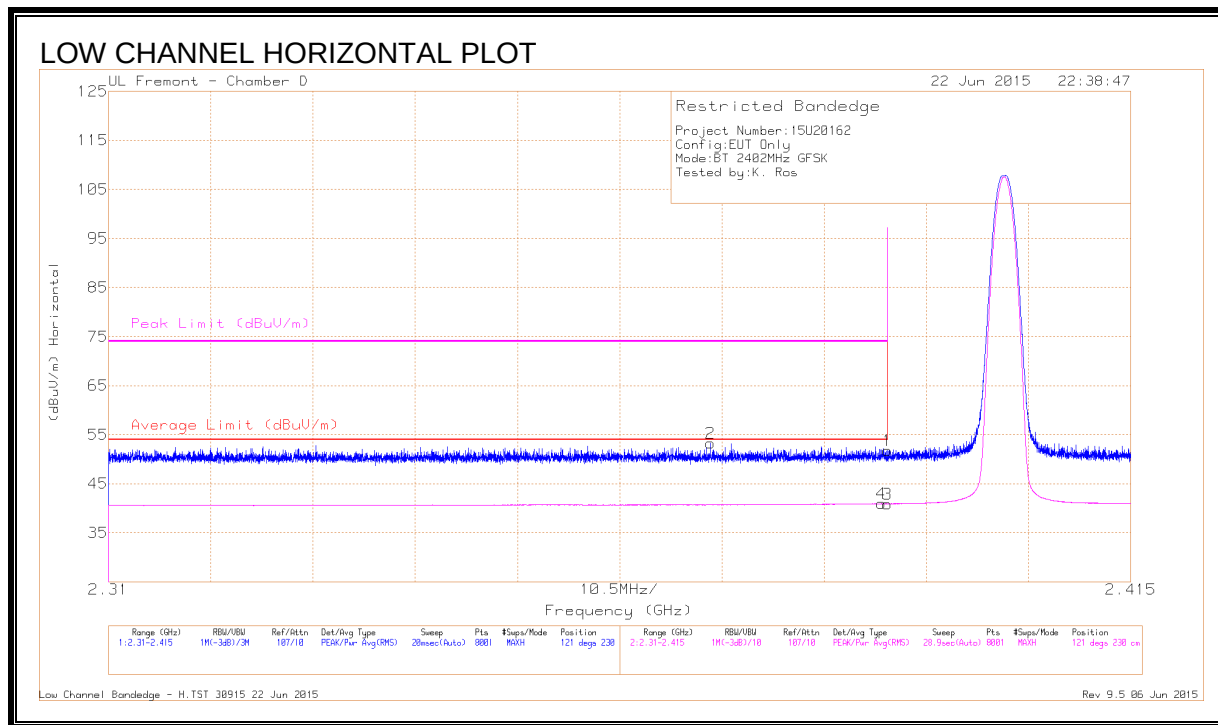
* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

9.2.3. LOW POWER BASIC DATA RATE GFSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



DATA

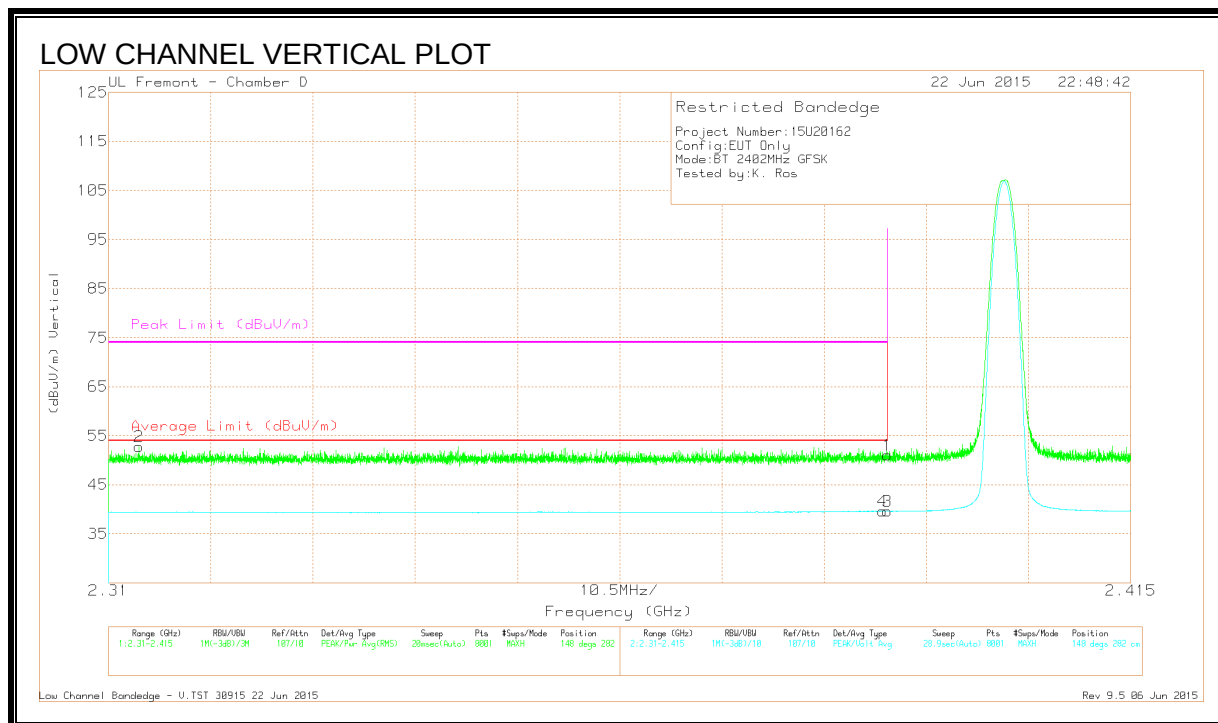
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.372	42.22	Pk	32	-20.9	53.32	-	-	74	-20.68	121	230	H
4	* 2.389	29.56	VB1T	32.1	-20.7	40.96	54	-13.04	-	-	121	230	H
1	* 2.39	40.36	Pk	32.1	-20.7	51.76	-	-	74	-22.24	121	230	H
3	* 2.39	29.48	VB1T	32.1	-20.7	40.88	54	-13.12	-	-	121	230	H

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

Pk - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



DATA

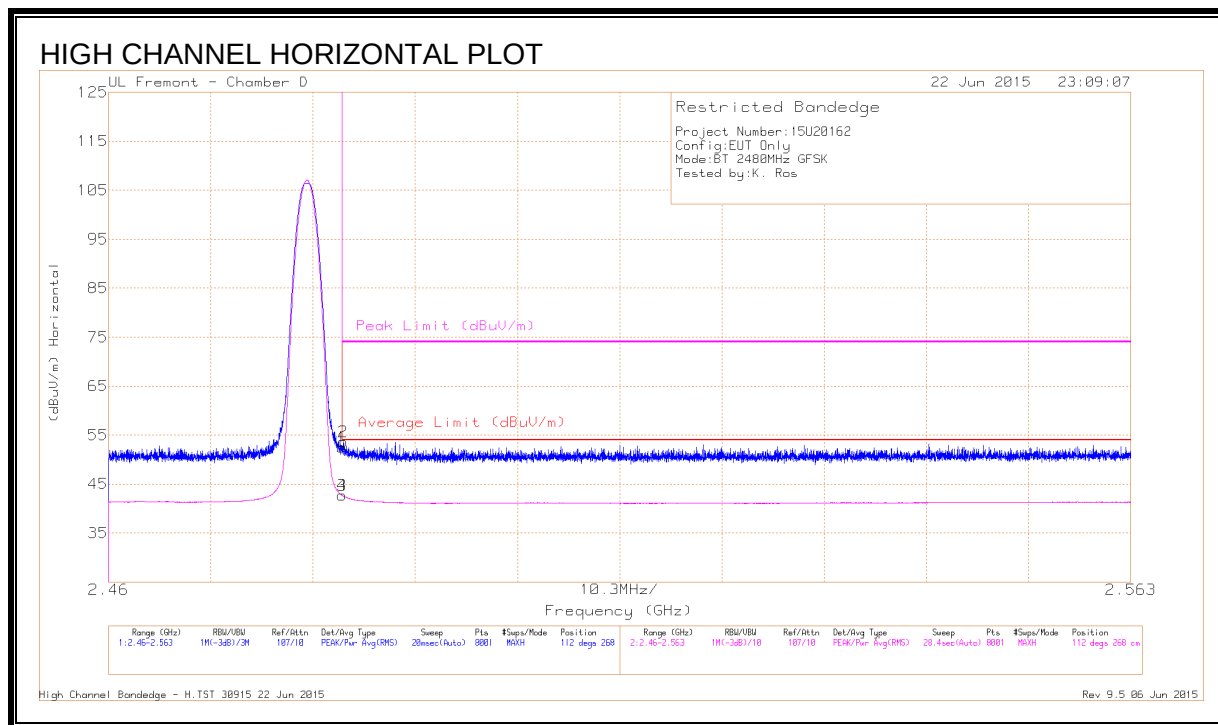
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.313	41.77	Pk	32	-21	52.77	-	-	74	-21.23	148	282	V
1	* 2.39	39.66	Pk	32.1	-20.7	51.06	-	-	74	-22.94	148	282	V
3	* 2.39	28.2	VB1T	32.1	-20.7	39.6	54	-14.4	-	-	148	282	V
4	* 2.39	28.21	VB1T	32.1	-20.7	39.61	54	-14.39	-	-	148	282	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



DATA

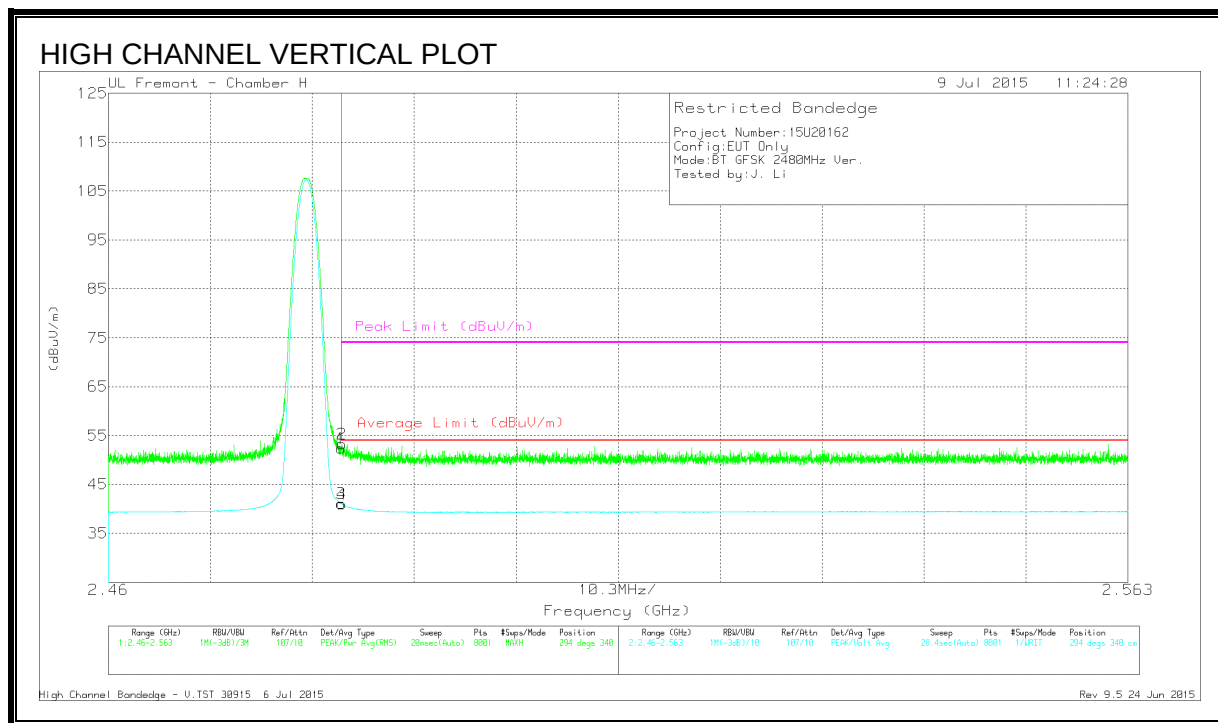
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1	* 2.484	41.12	Pk	32.2	-20.8	52.52	-	-	74	-21.48	112	268	H
2	* 2.484	42.26	Pk	32.2	-20.8	53.66	-	-	74	-20.34	112	268	H
3	* 2.484	31.29	VB1T	32.2	-20.8	42.69	54	-11.31	-	-	112	268	H
4	* 2.484	31.29	VB1T	32.2	-20.8	42.69	54	-11.31	-	-	112	268	H

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

Pk - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



DATA

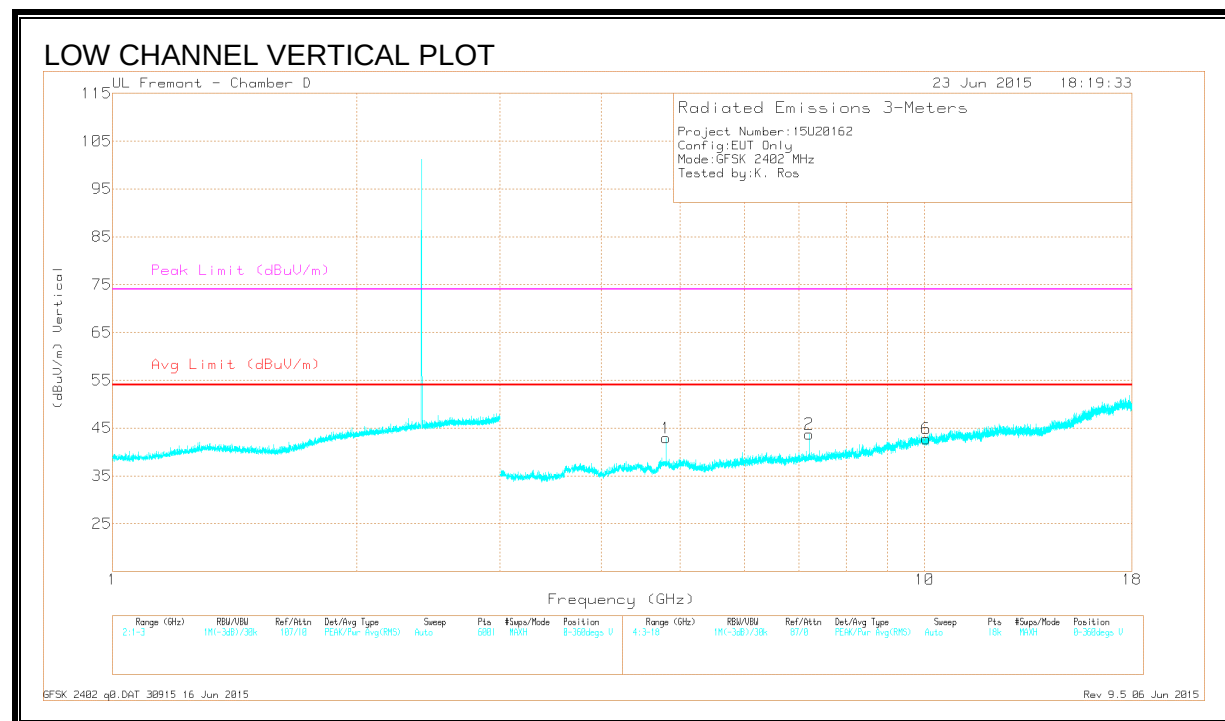
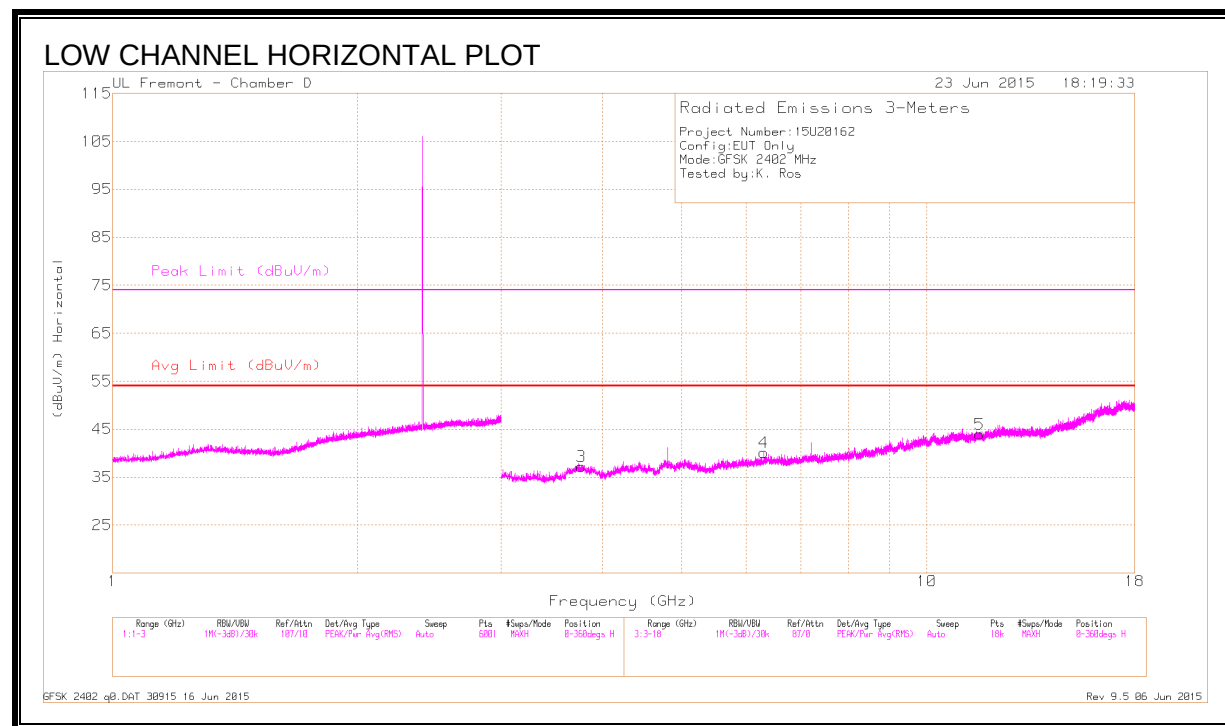
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.45	Pk	32.4	-23.4	52.45	-	-	74	-21.55	294	340	V
2	* 2.484	44.22	Pk	32.4	-23.4	53.22	-	-	74	-20.78	294	340	V
3	* 2.484	32.05	VB1T	32.4	-23.4	41.05	54	-12.95	-	-	294	340	V
4	* 2.484	32	VB1T	32.4	-23.4	41	54	-13	-	-	294	340	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

HARMONICS AND SPURIOUS EMISSIONS



DATA

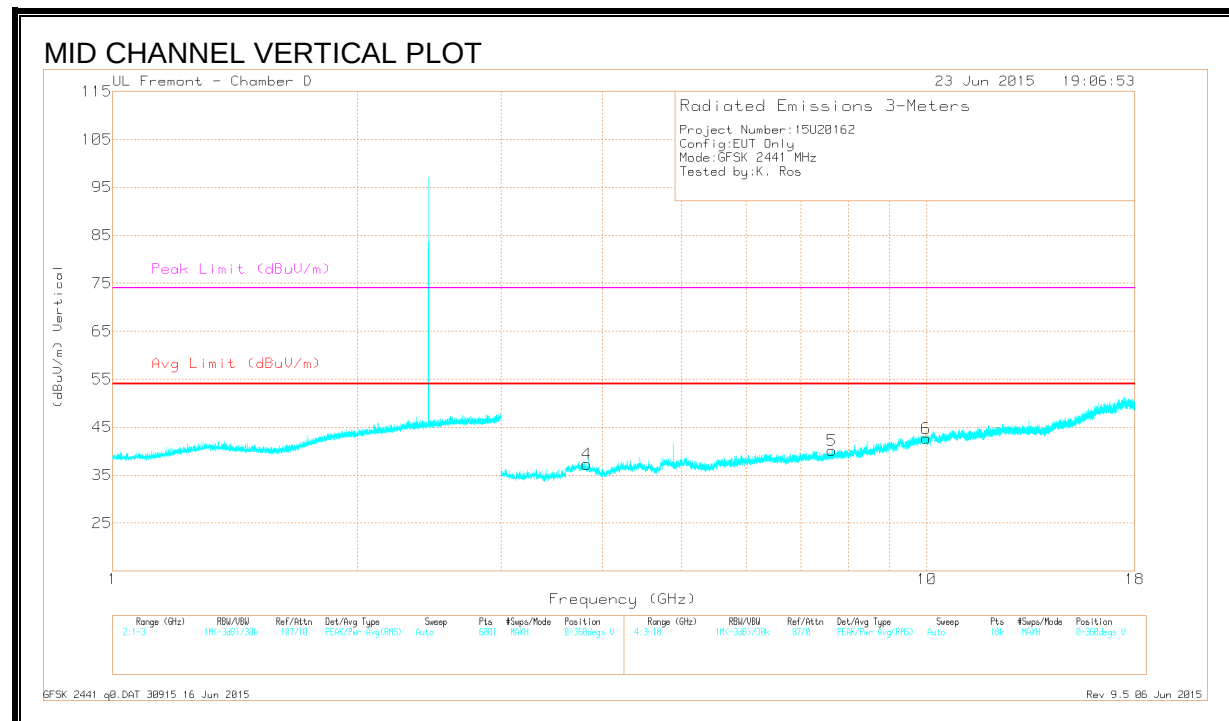
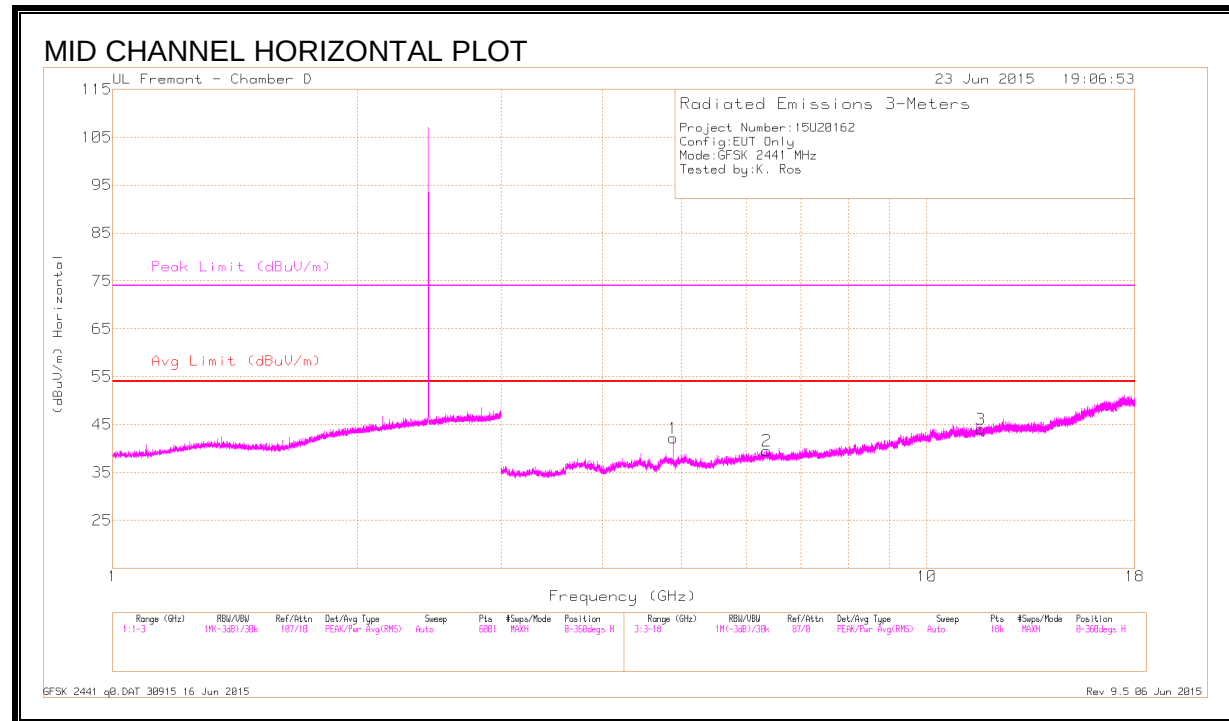
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 3.761	39.33	PK3	33.3	-28.4	44.23	-	-	74	-29.77	228	192	H
	* 3.76	27.19	VB10	33.3	-28.4	32.09	54	-21.91	-	-	228	192	H
5	* 11.611	33.77	PK3	38.1	-21	50.87	-	-	74	-23.13	304	249	H
	* 11.614	23.05	VB10	38.1	-20.9	40.25	54	-13.75	-	-	304	249	H
1	* 4.804	34.93	VB10	34.1	-27	42.03	54	-11.97	-	-	311	173	V
	* 4.805	41.07	PK3	34.1	-27	48.17	-	-	74	-25.83	311	173	V
4	6.31	36.76	PK3	35.4	-26.4	45.76	-	-	-	-	257	263	H
2	7.205	41.15	PK3	35.4	-25.1	51.45	-	-	-	-	124	257	V
6	10.042	34.34	PK3	37.1	-21.7	49.74	-	-	-	-	243	210	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

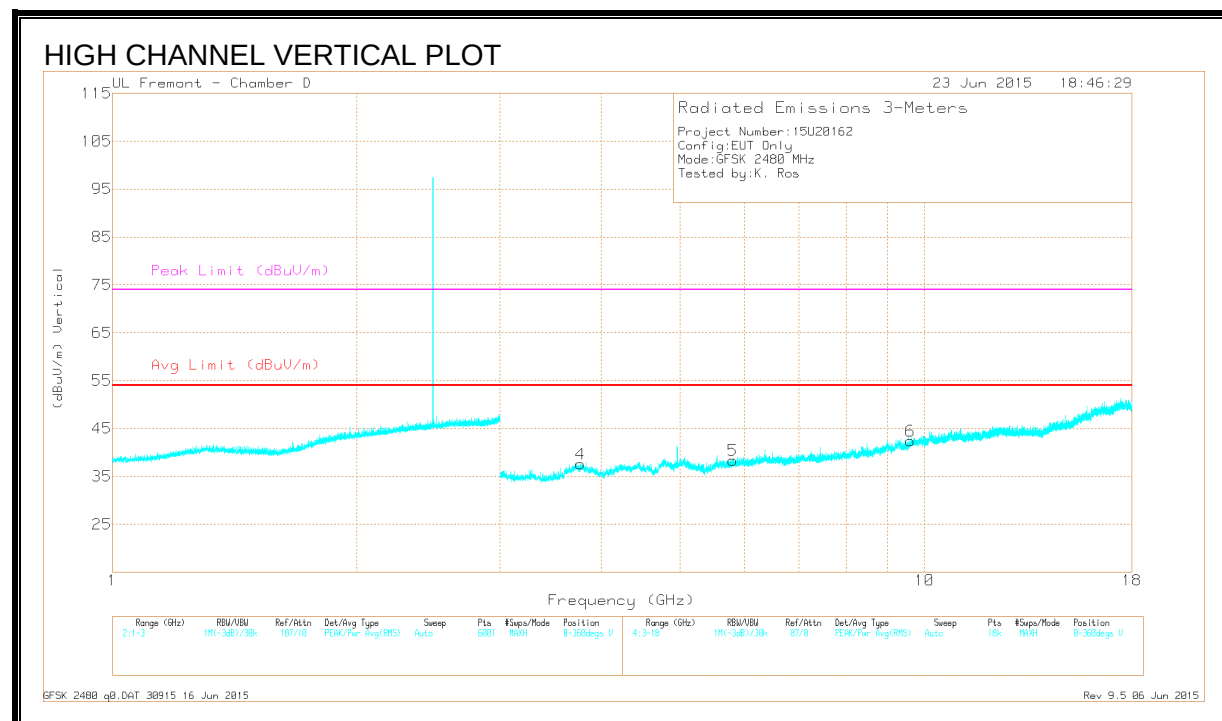
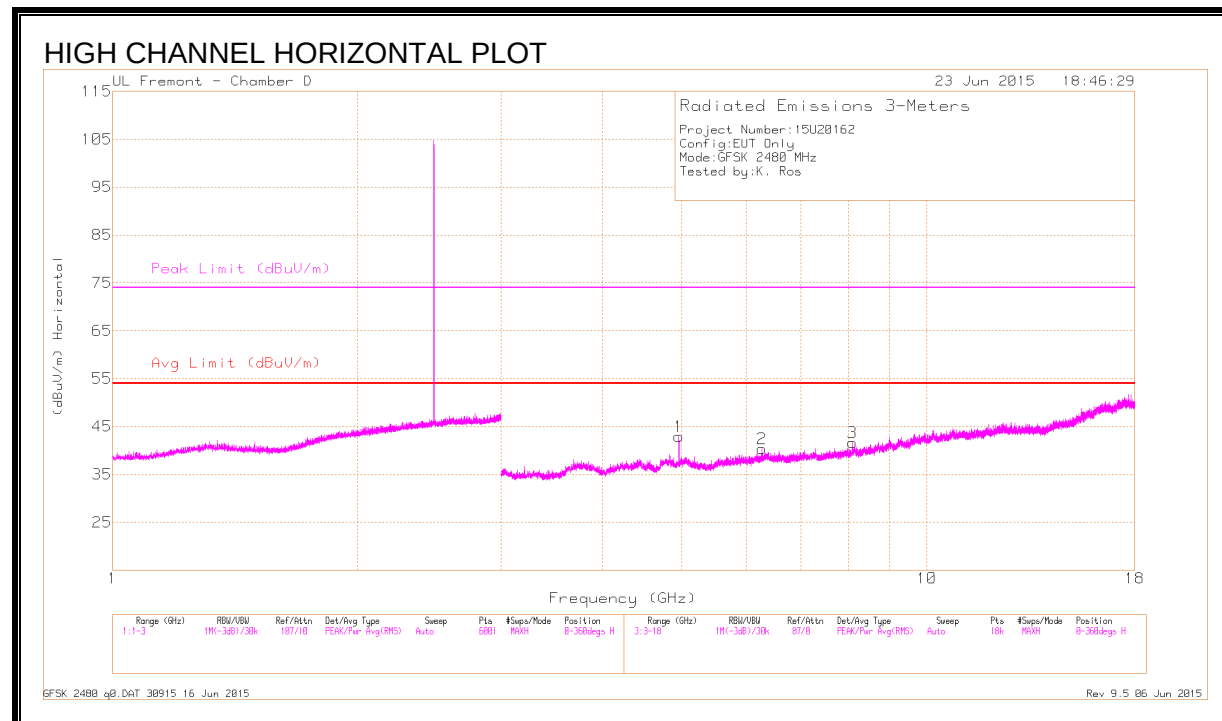
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.882	40.77	PK3	34.1	-28.2	46.67	-	-	74	-27.33	169	107	H
	* 4.882	33.54	VB10	34.1	-28.2	39.44	54	-14.56	-	-	169	107	H
3	* 11.65	33.84	PK3	38.1	-21	50.94	-	-	74	-23.06	219	193	H
	* 11.65	23.11	VB10	38.1	-21	40.21	54	-13.79	-	-	219	193	H
4	* 3.822	39.16	PK3	33.4	-28.6	43.96	-	-	74	-30.04	301	222	V
	* 3.825	27.97	VB10	33.4	-28.6	32.77	54	-21.23	-	-	301	222	V
5	* 7.645	35.92	PK3	35.6	-24.8	46.72	-	-	74	-27.28	159	227	V
	* 7.646	25.16	VB10	35.6	-24.8	35.96	54	-18.04	-	-	159	227	V
2	6.362	37	PK3	35.4	-26.2	46.2	-	-	-	-	167	194	H
6	9.974	34.07	PK3	37.1	-21.1	50.07	-	-	-	-	232	276	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fitr/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	* 4.96	41.09	PK3	34.2	-27.7	47.59	-	-	74	-26.41	169	108	H
	* 4.96	34.49	VB10	34.2	-27.7	40.99	54	-13.01	-	-	169	108	H
3	* 8.102	35.74	PK3	35.6	-23.8	47.54	-	-	74	-26.46	228	217	H
	* 8.099	24.52	VB10	35.6	-23.8	36.32	54	-17.68	-	-	228	217	H
4	* 3.77	38.46	PK3	33.3	-28.3	43.46	-	-	74	-30.54	133	198	V
	* 3.771	27.58	VB10	33.3	-28.3	32.58	54	-21.42	-	-	133	198	V
5	5.81	37.98	PK3	34.8	-27.3	45.48	-	-	-	-	275	239	V
2	6.267	36.71	PK3	35.4	-26.5	45.61	-	-	-	-	94	205	H
6	9.615	34.29	PK3	36.7	-21.2	49.79	-	-	-	-	244	261	V

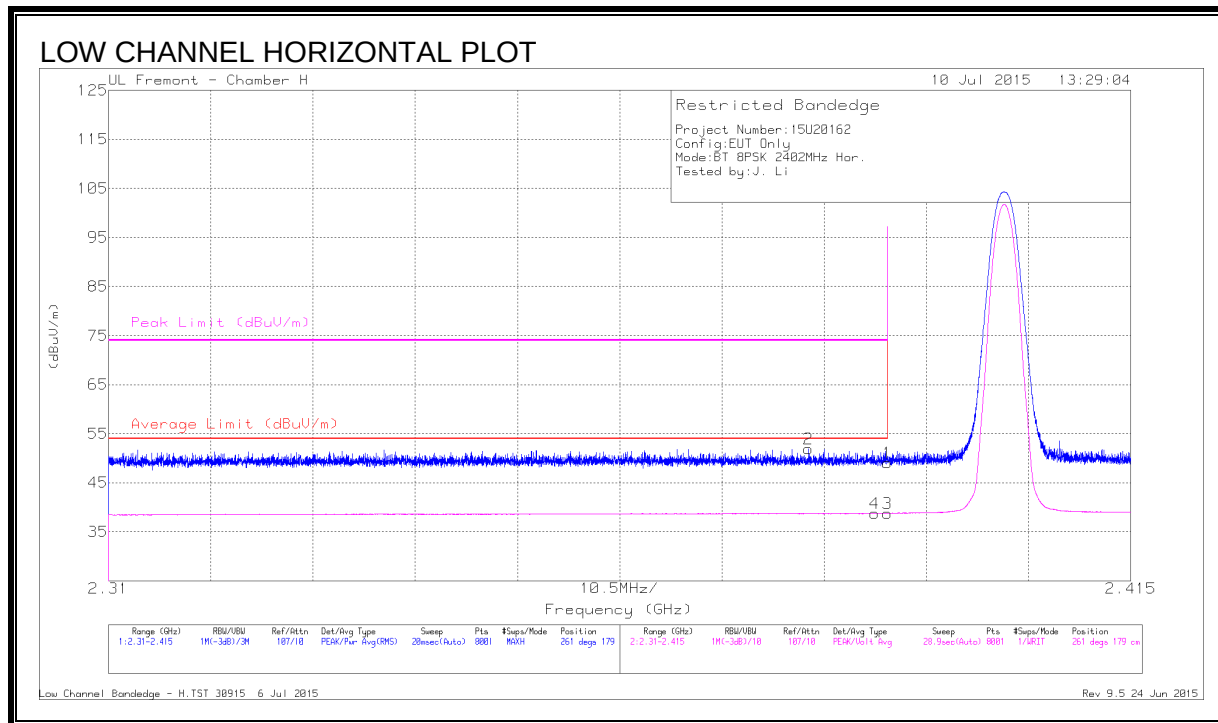
* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

9.2.4. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

RESTRICTED BANDEGE (LOW CHANNEL, HORIZONTAL)



DATA

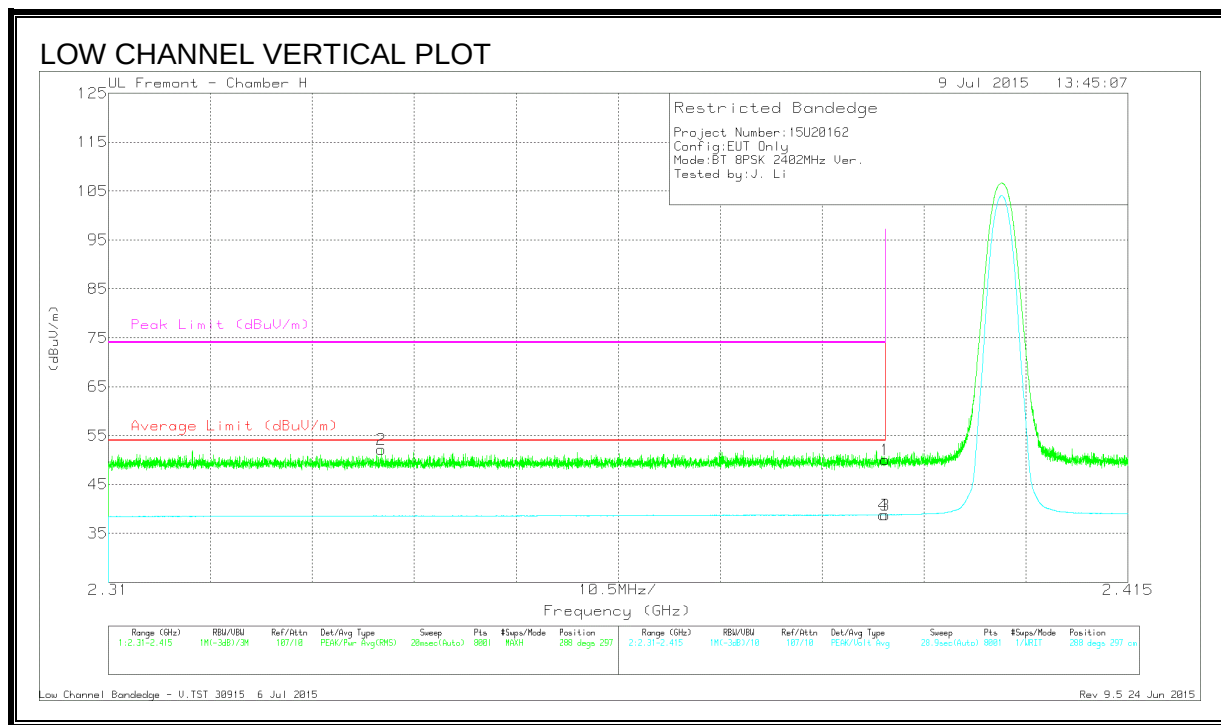
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.51	Pk	32	-23.5	49.01	-	-	74	-24.99	261	179	H
2	* 2.382	43.42	Pk	32	-23.5	51.92	-	-	74	-22.08	261	179	H
3	* 2.39	30.25	VB1T	32	-23.5	38.75	54	-15.25	-	-	261	179	H
4	* 2.389	30.3	VB1T	32	-23.5	38.8	54	-15.2	-	-	261	179	H

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



DATA

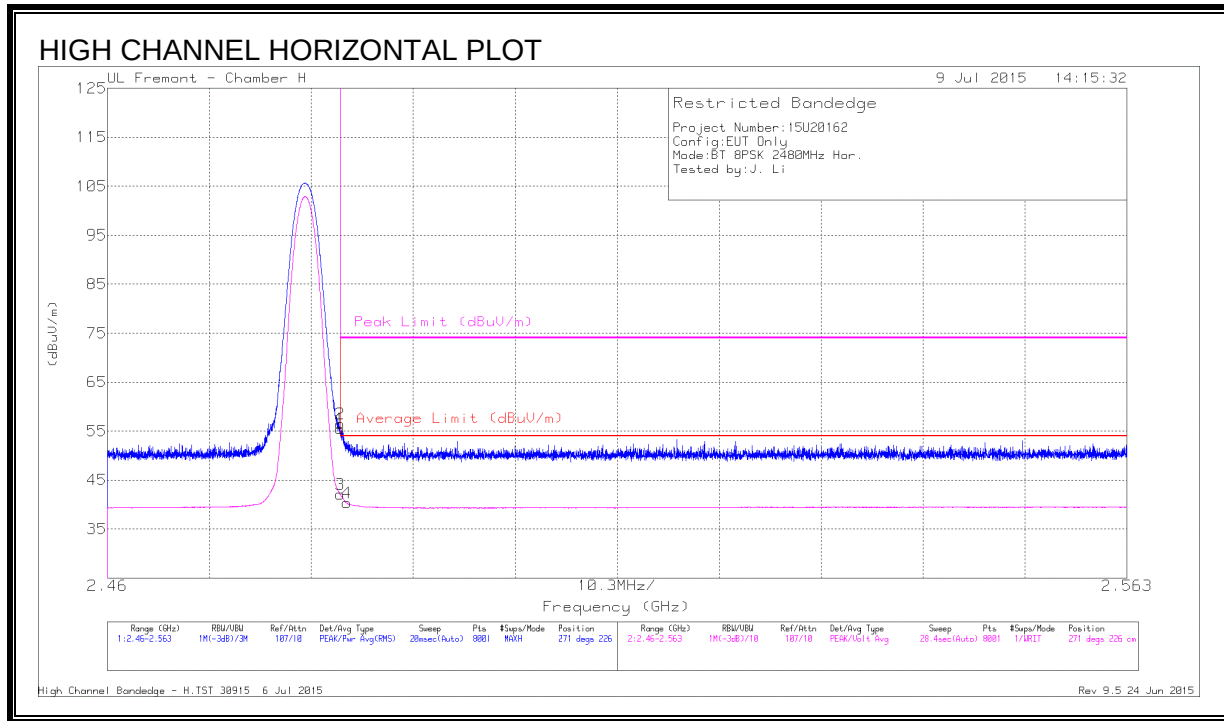
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.338	43.74	Pk	31.9	-23.5	52.14	-	-	74	-21.86	215	236	V
1	* 2.39	41.56	Pk	32	-23.5	50.06	-	-	74	-23.94	215	236	V
3	* 2.39	30.27	VB1T	32	-23.5	38.77	54	-15.23	-	-	215	236	V
4	* 2.39	30.28	VB1T	32	-23.5	38.78	54	-15.22	-	-	215	236	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



DATA

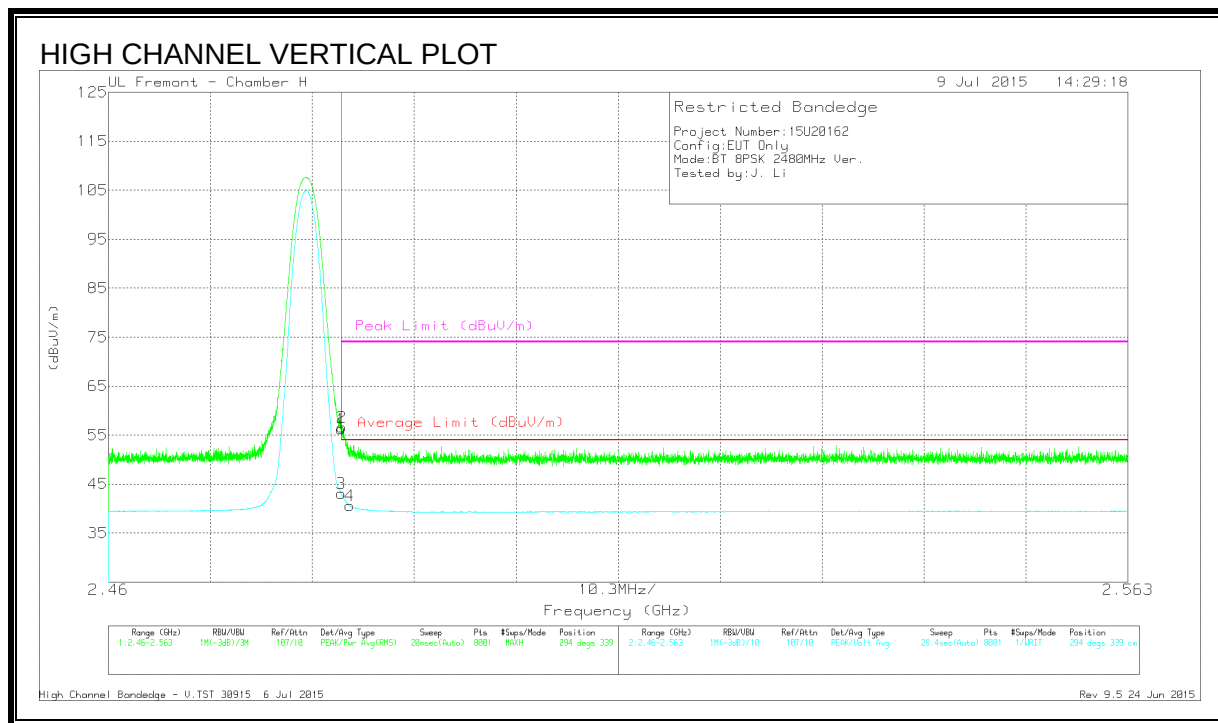
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T863 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.52	Pk	32.4	-23.4	55.52	-	-	74	-18.48	231	264	H
2	* 2.484	47.52	Pk	32.4	-23.4	56.52	-	-	74	-17.48	231	264	H
3	* 2.484	33.1	VB1T	32.4	-23.4	42.1	54	-11.9	-	-	231	264	H
4	* 2.484	31.31	VB1T	32.4	-23.4	40.31	54	-13.69	-	-	231	264	H

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



DATA

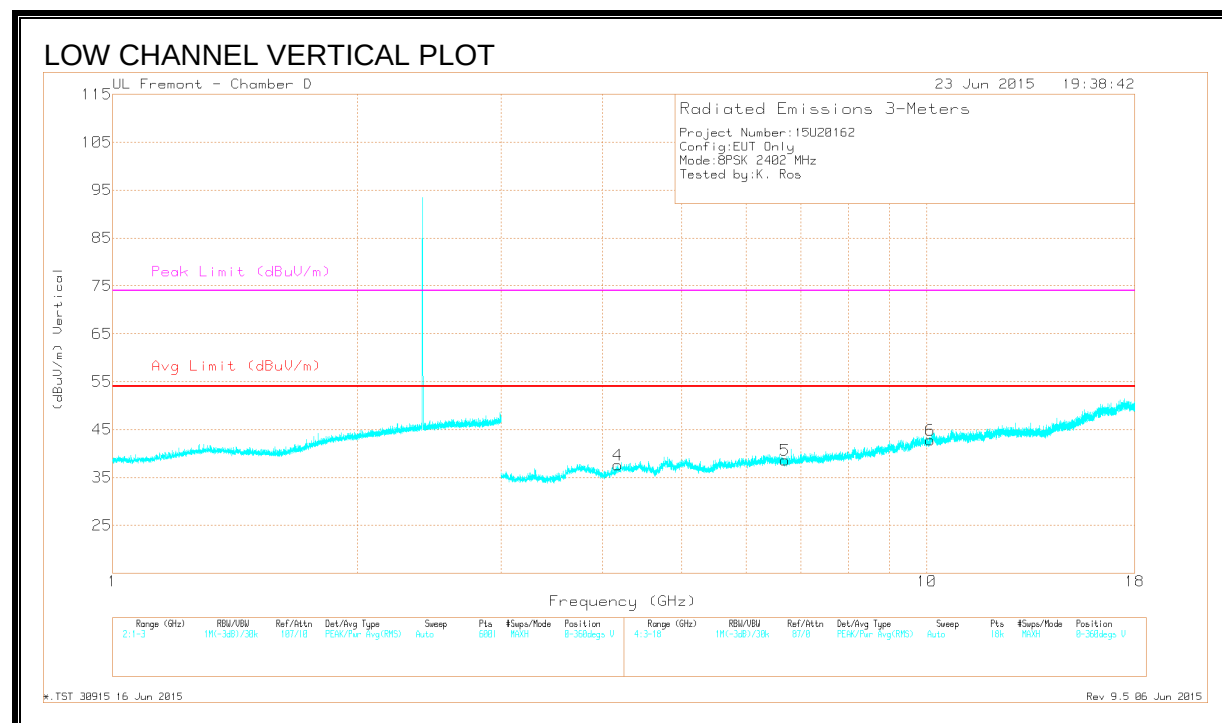
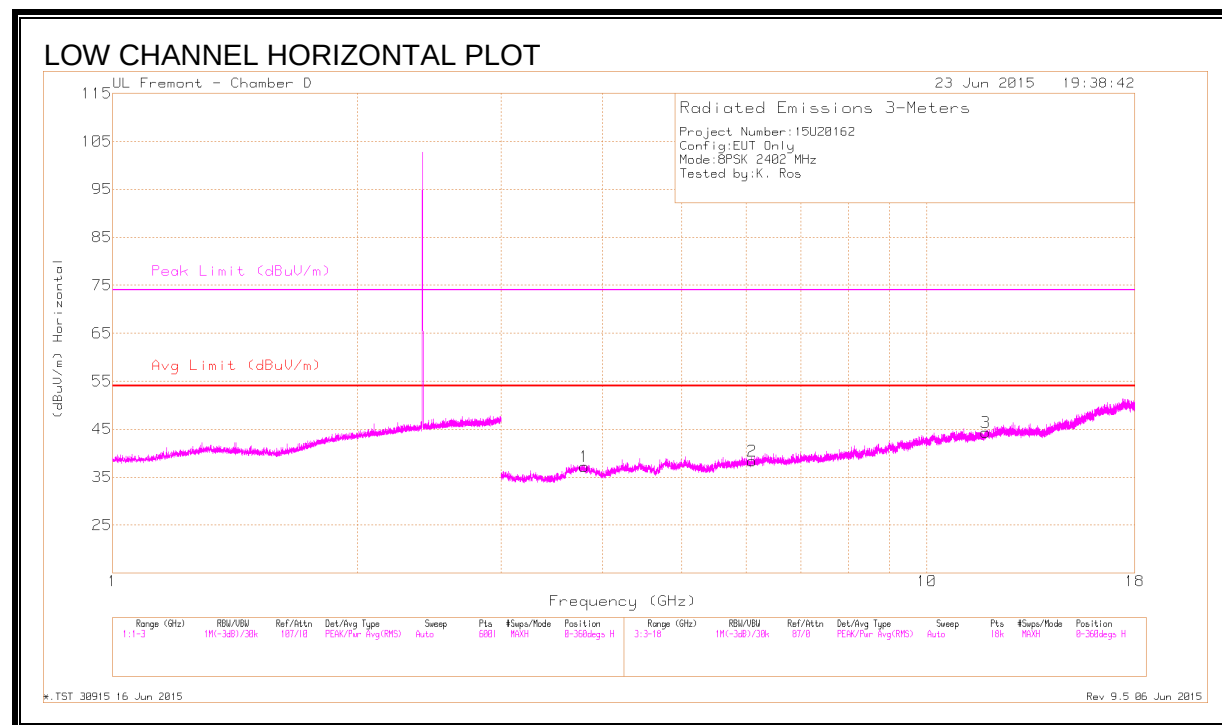
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (dB/m)	Amp/Cb/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.24	Pk	32.4	-23.4	56.24	-	-	74	-17.76	302	327	V
2	* 2.484	47.59	Pk	32.4	-23.4	56.59	-	-	74	-17.41	302	327	V
3	* 2.484	34.1	VB1T	32.4	-23.4	43.1	54	-10.9	-	-	302	327	V
4	* 2.484	31.59	VB1T	32.4	-23.4	40.59	54	-13.41	-	-	302	327	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

HARMONICS AND SPURIOUS EMISSIONS



DATA

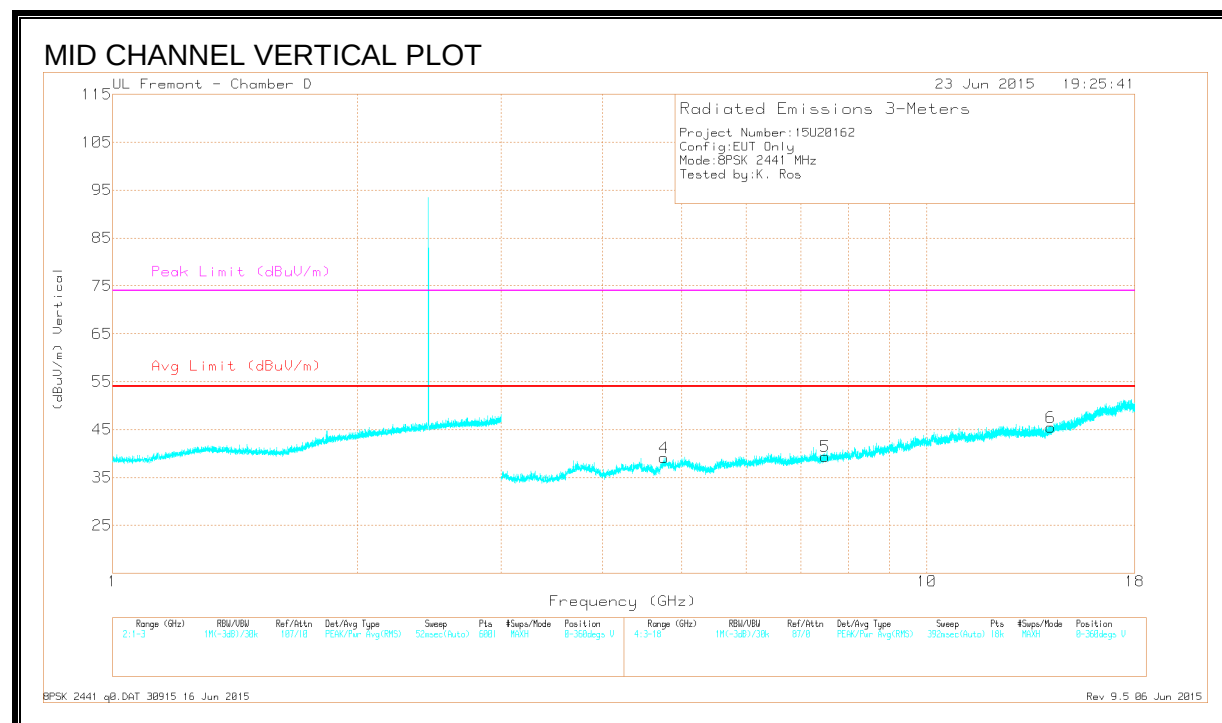
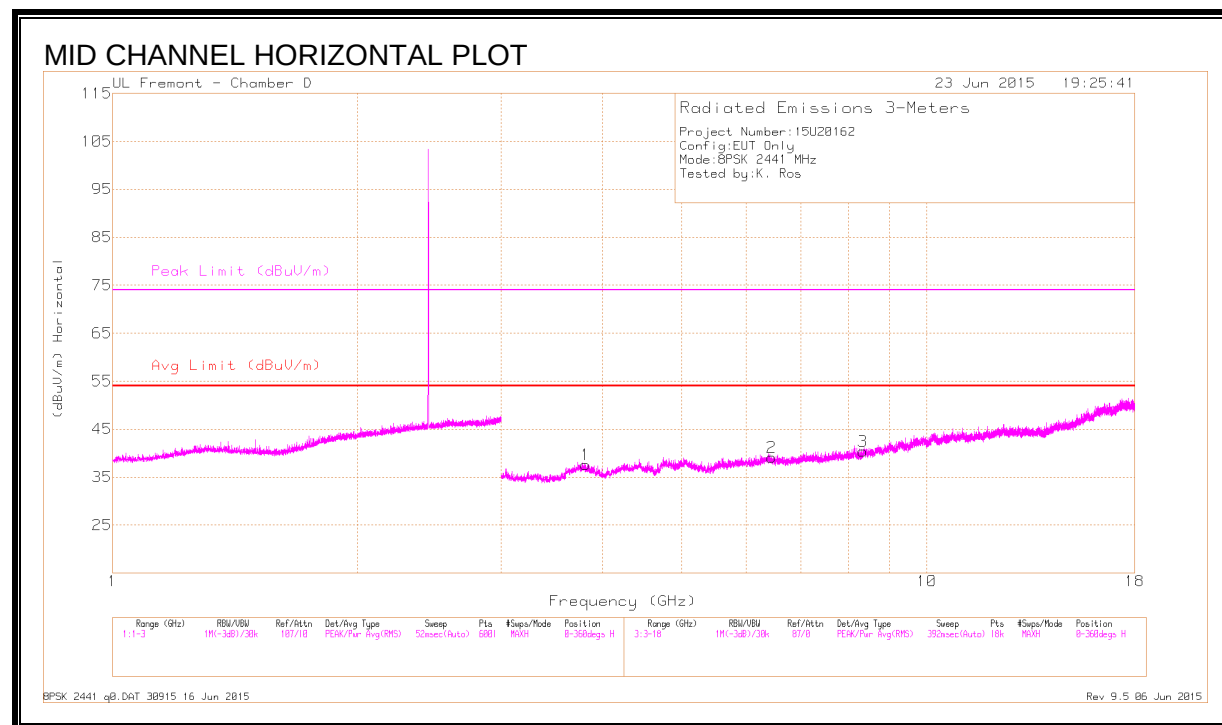
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.8	38.69	PK3	33.3	-28.3	43.69	-	-	74	-30.31	228	103	H
	* 3.8	27.43	VB10	33.3	-28.4	32.33	-	-	-	-	228	103	H
3	* 11.81	34.26	PK3	38.3	-21.2	51.36	-	-	74	-22.64	228	200	H
	* 11.811	23.3	VB10	38.3	-21.2	40.4	-	-	-	-	228	200	H
4	* 4.171	38.13	PK3	33.4	-28	43.53	-	-	74	-30.47	228	200	V
	* 4.173	27.04	VB10	33.4	-28	32.44	-	-	-	-	228	200	V
2	6.101	37.43	PK3	35.6	-27.1	45.93	-	-	-	-	228	200	H
5	6.695	37.11	PK3	35.5	-26.3	46.31	-	-	-	-	228	102	V
6	10.099	34.33	PK3	37.1	-21.4	50.03	-	-	-	-	228	102	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

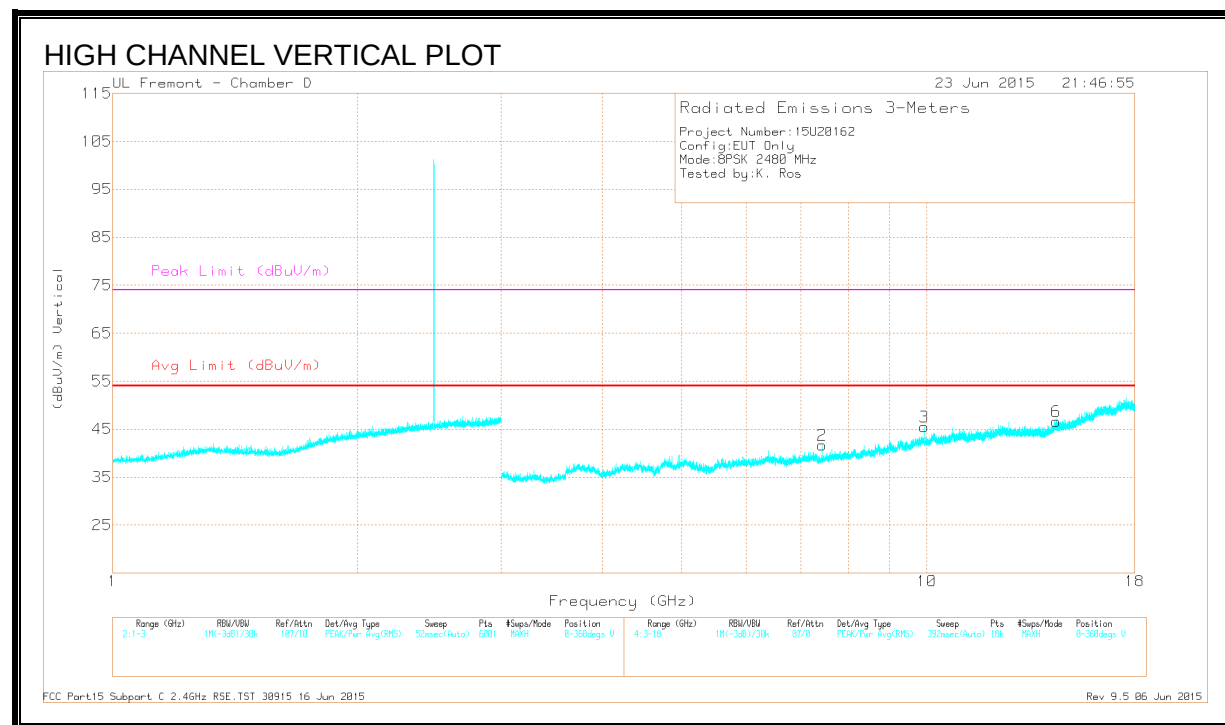
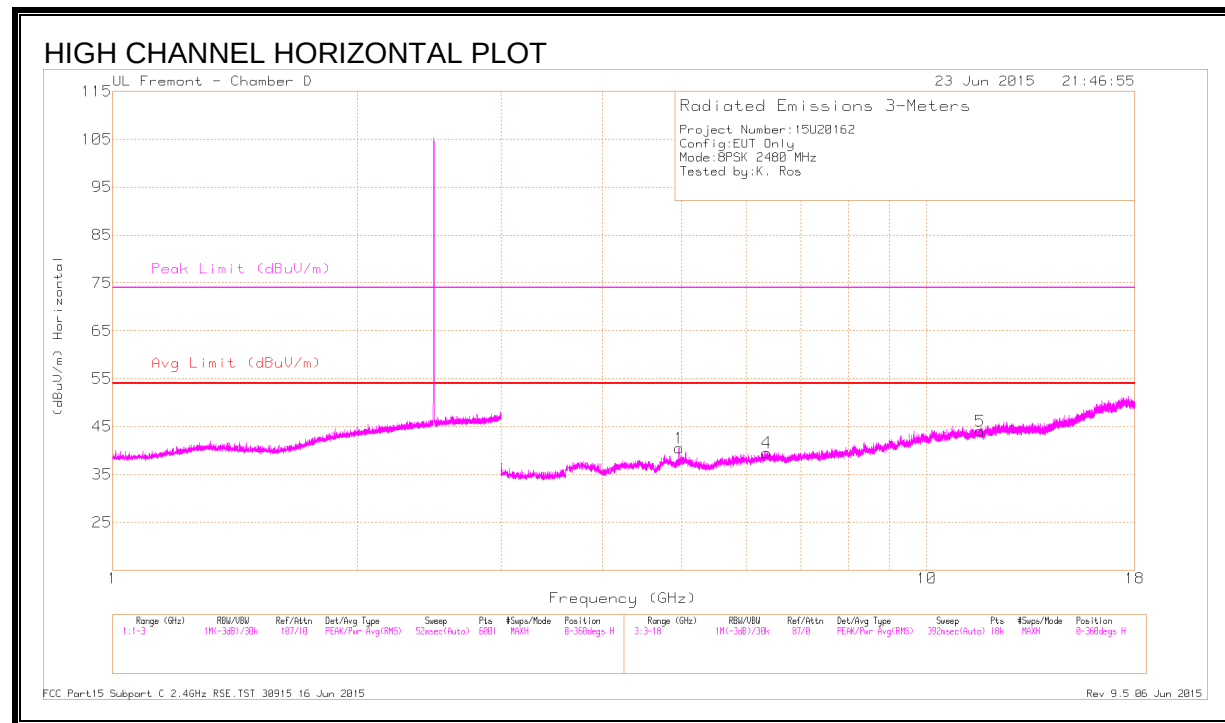
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.811	39.14	PK3	33.4	-28.5	44.04	-	-	74	-29.96	228	200	H
	* 3.812	27.65	VB10	33.4	-28.5	32.55	-	-	-	-	228	200	H
3	* 8.339	36.14	PK3	35.7	-23.9	47.94	-	-	74	-26.06	228	102	H
	* 8.341	24.36	VB10	35.7	-23.9	36.16	-	-	-	-	228	102	H
4	* 4.758	38.56	PK3	34.1	-26.8	45.86	-	-	74	-28.14	228	200	V
	* 4.758	26.97	VB10	34.1	-26.8	34.27	-	-	-	-	228	200	V
5	* 7.499	36.77	PK3	35.5	-25.1	47.17	-	-	74	-26.83	228	103	V
	* 7.499	24.93	VB10	35.5	-25.1	35.33	-	-	-	-	228	103	V
2	6.45	36.78	PK3	35.4	-26.4	45.78	-	-	-	-	228	102	H
6	14.197	36.19	PK3	39	-22.9	52.29	-	-	-	-	228	103	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fitr/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	* 4.96	40.49	PK3	34.2	-27.7	46.99	-	-	74	-27.01	190	251	H
	* 4.96	32.4	VB10	34.2	-27.7	38.9	-	-	-	-	190	251	H
5	* 11.627	33.95	PK3	38.1	-20.8	51.25	-	-	74	-22.75	171	201	H
	* 11.629	22.98	VB10	38.1	-20.9	40.18	-	-	-	-	171	201	H
2	* 7.44	39.38	PK3	35.5	-25	49.88	-	-	74	-24.12	194	217	V
	* 7.44	29.71	VB10	35.5	-25	40.21	-	-	-	-	194	217	V
4	6.357	36.71	PK3	35.4	-26	46.11	-	-	-	-	141	147	H
3	9.919	34.42	PK3	37	-20.9	50.52	-	-	-	-	194	102	V
6	14.42	35.79	PK3	39.4	-22.1	53.09	-	-	-	-	228	152	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

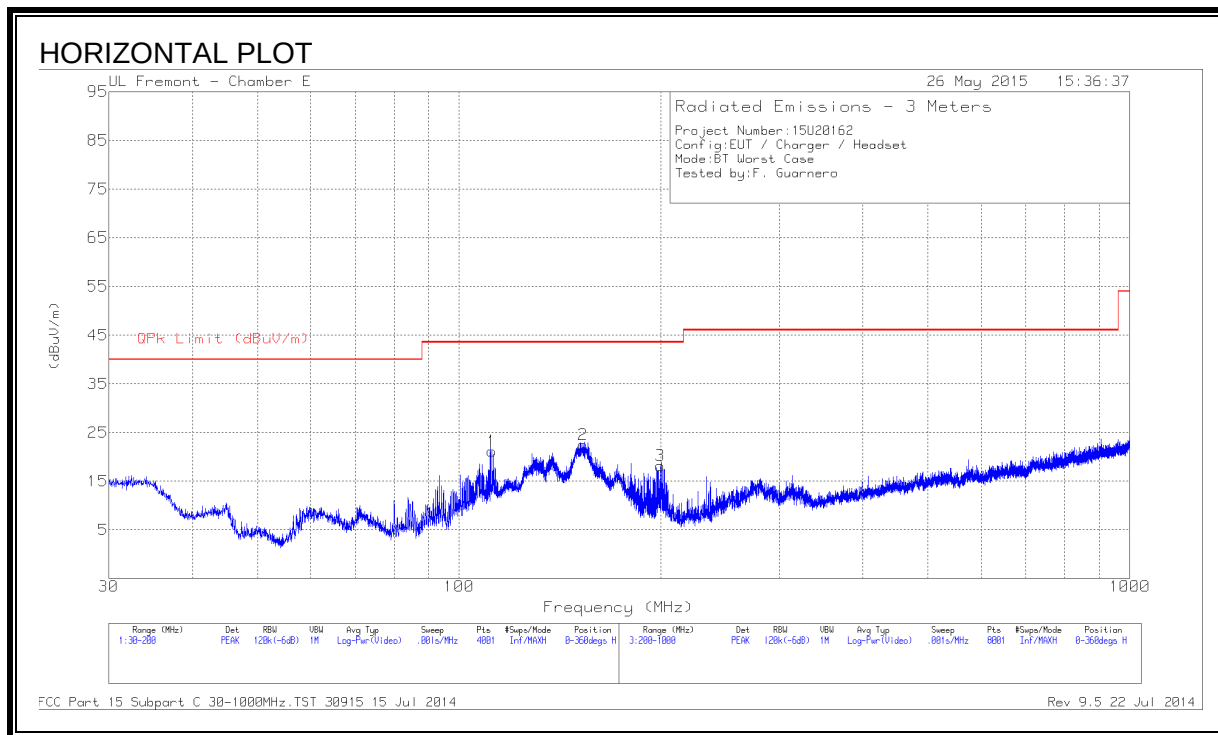
PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

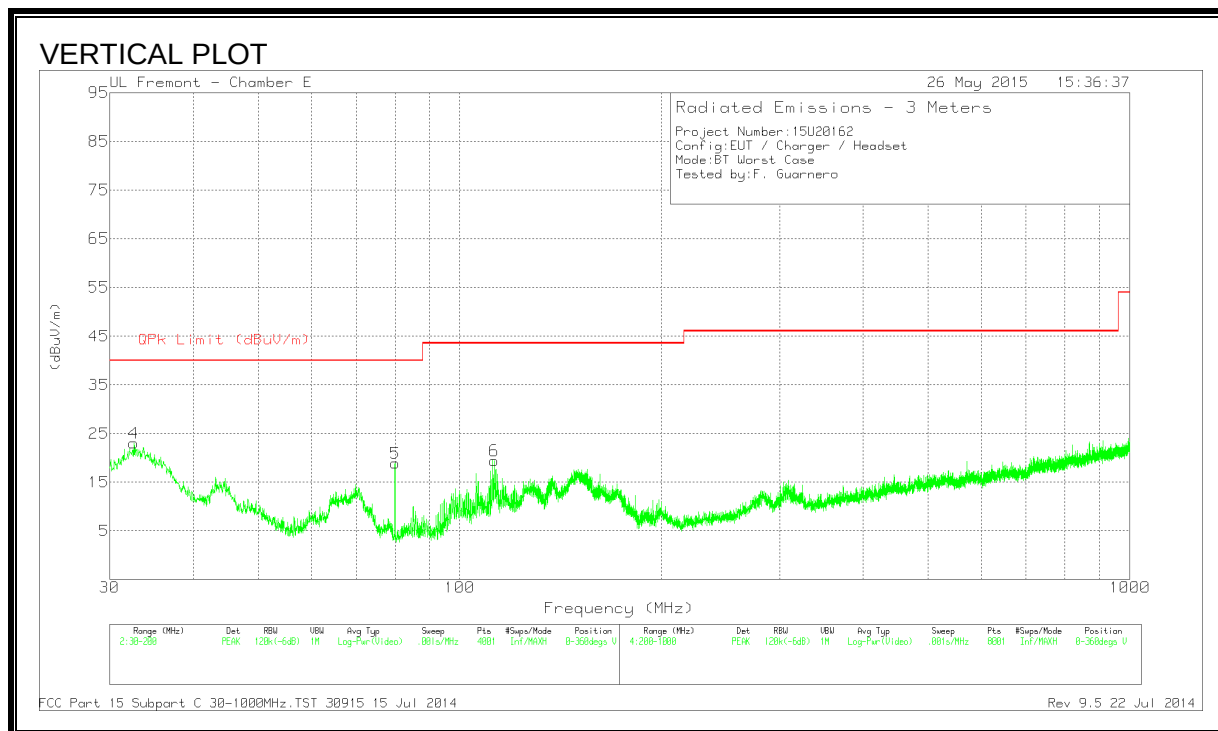
9.3. WORST-CASE BELOW 1 GHz

9.3.1. HIGH POWER

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



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



DATA

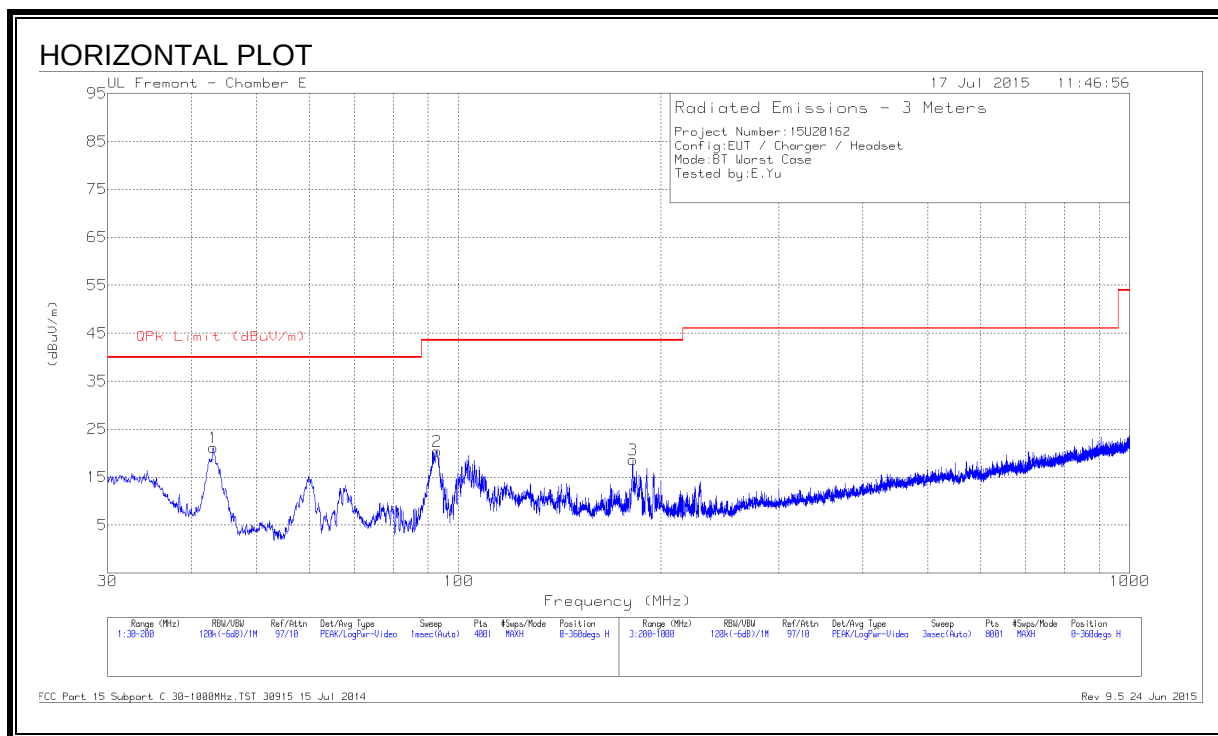
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 111.855	39.57	PK	12.8	-31.2	21.17	43.52	-22.35	0-360	301	H
2	152.995	41.2	PK	12.3	-31	22.5	43.52	-21.02	0-360	201	H
3	199.5325	36.52	PK	12.5	-30.8	18.22	43.52	-25.3	0-360	201	H
4	32.5925	35.14	PK	19.7	-31.8	23.04	40	-16.96	0-360	100	V
5	80.0225	42.38	PK	8	-31.5	18.88	40	-21.12	0-360	100	V
6	* 112.4925	37.83	PK	12.9	-31.3	19.43	43.52	-24.09	0-360	100	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

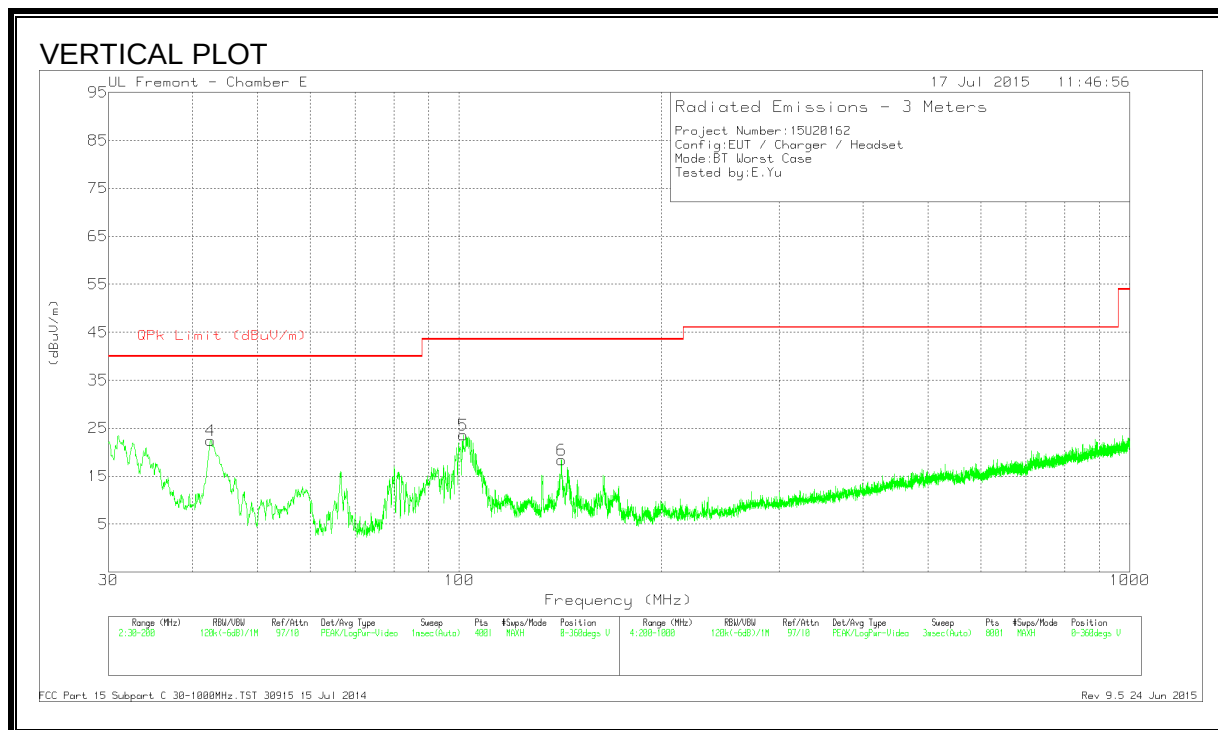
PK - Peak detector

9.3.2. LOW POWER

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



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



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	42.6225	42.14	Pk	12.1	-31.8	22.44	40	-17.56	0-360	100	V
1	43.09	41.14	Pk	11.7	-31.7	21.14	40	-18.86	0-360	401	H
2	92.9425	43.18	Pk	8.6	-31.4	20.38	43.52	-23.14	0-360	201	H
5	101.4	44.42	Pk	10.5	-31.3	23.62	43.52	-19.9	0-360	100	V
6	142.1575	36.7	Pk	12.8	-31.1	18.4	43.52	-25.12	0-360	100	V
3	181.7675	38.1	Pk	11.4	-30.9	18.6	43.52	-24.92	0-360	201	H

Pk - Peak detector

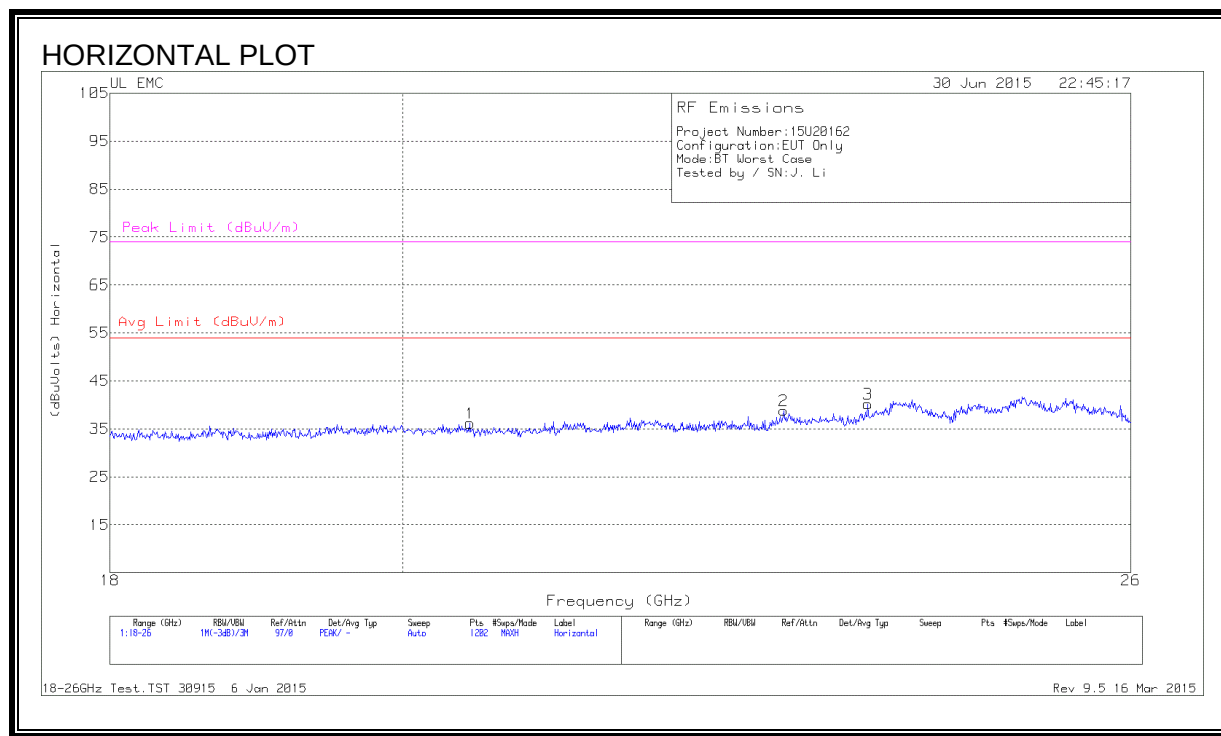
FCC Part 15 Subpart C 30-1000MHz.TST 30915 15 Jul 2014

Rev 9.5 24 Jun 2015

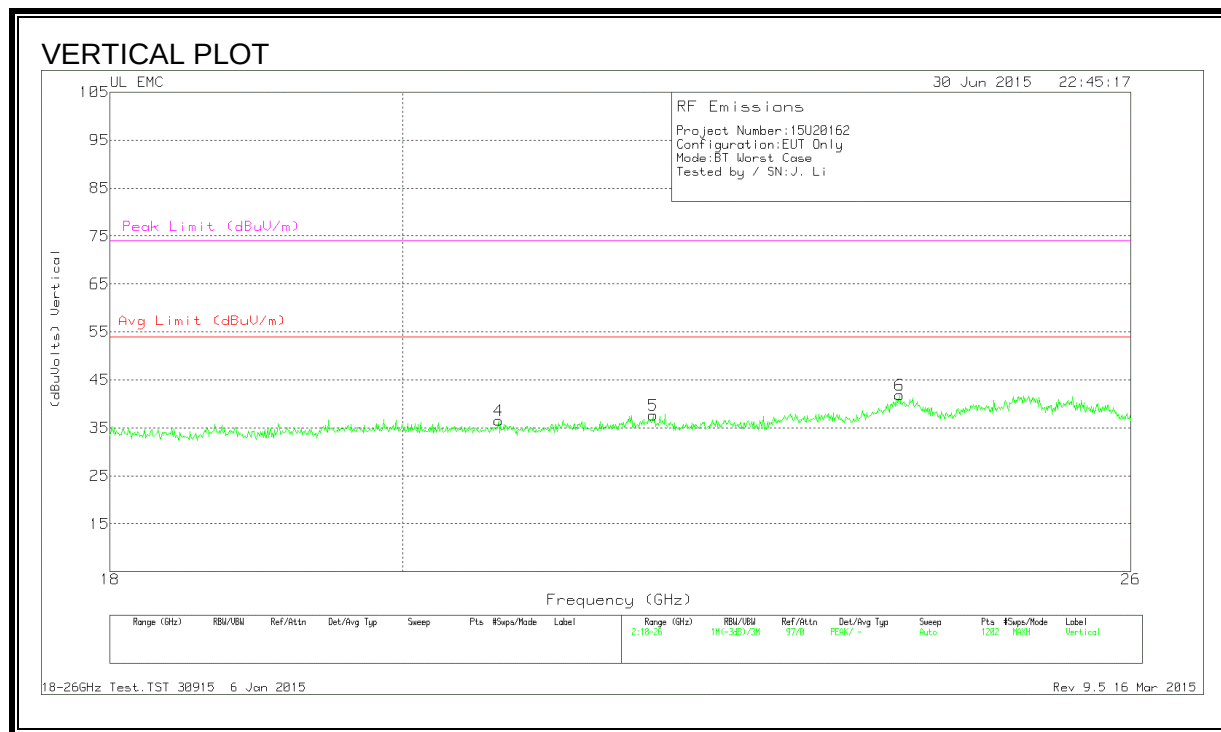
9.4. WORST-CASE ABOVE 18 GHz

9.4.1. HIGH POWER

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



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



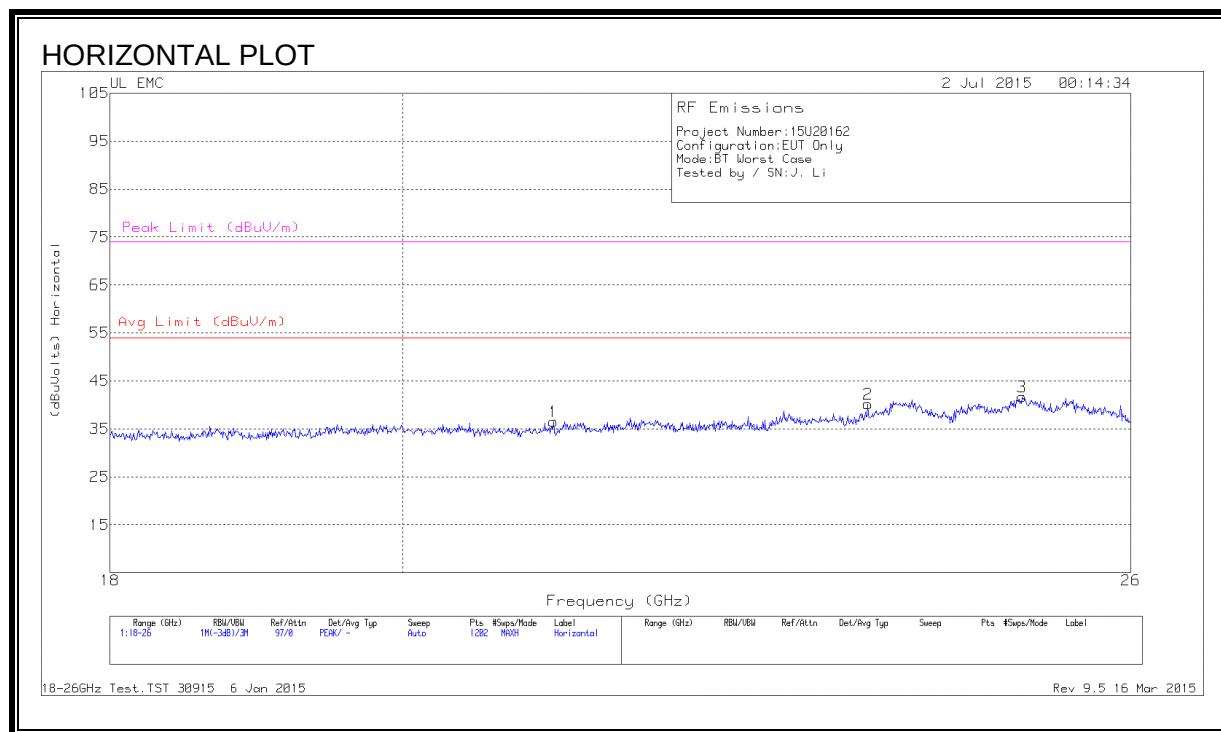
Data

Marker	Frequency (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	20.491	38.17	Pk	32.7	-25.2	-9.5	36.17	54	-17.837	74	-37.83
2	22.943	39.83	Pk	33.5	-25	-9.5	38.837	54	-15.17	74	-35.17
3	23.649	40.67	Pk	33.5	-24.5	-9.5	40.17	54	-13.83	74	-33.83
4	20.704	38.3	Pk	32.8	-25.1	-9.5	36.5	54	-17.5	74	-37.5
5	21.89	39.17	Pk	33.3	-25.3	-9.5	37.67	54	-16.33	74	-36.33
6	23.922	41.83	Pk	33.4	-23.9	-9.5	41.83	54	-12.17	74	-32.17

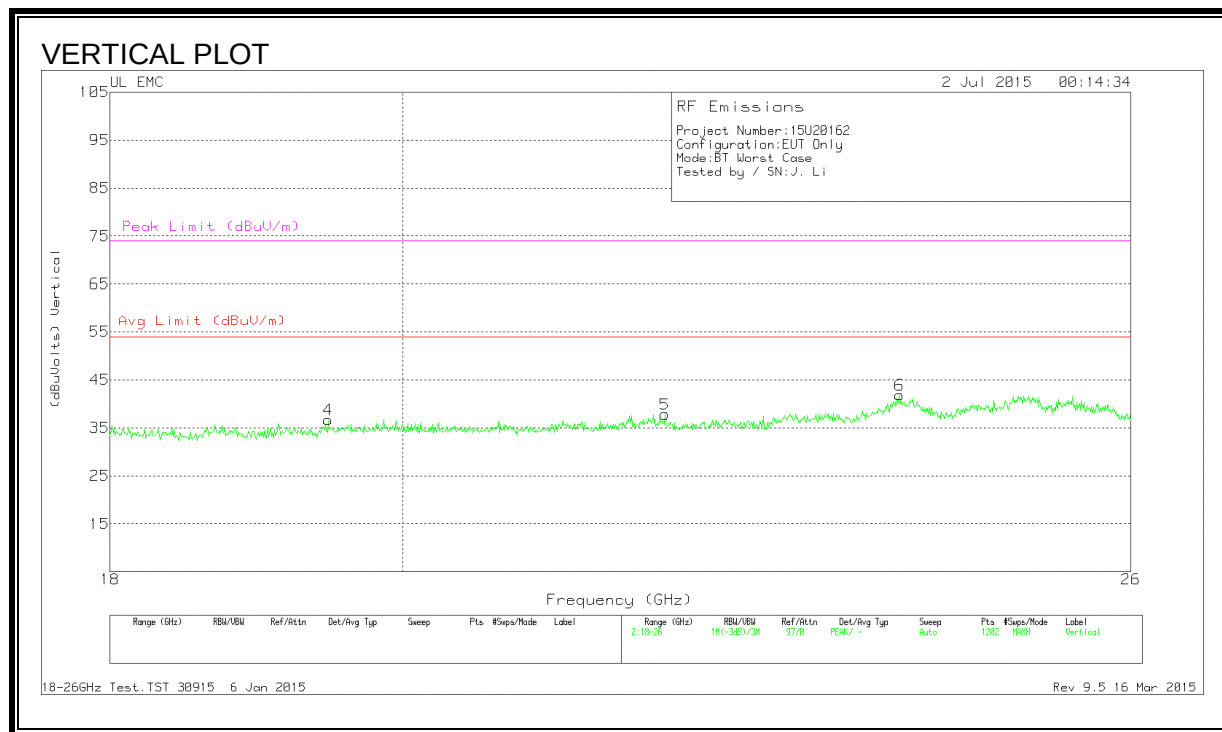
Pk - Peak detector

9.4.2. LOW POWER

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



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



Data

Marker	Frequency (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	21.117	38.6	Pk	32.8	-25.4	-9.5	36.5	54	-17.5	74	-37.5
2	23.649	40.67	Pk	33.5	-24.5	-9.5	40.17	54	-13.83	74	-33.83
3	25.001	41.57	Pk	34.2	-24.6	-9.5	41.67	54	-12.33	74	-32.33
4	19.472	38.47	Pk	32.5	-24.8	-9.5	36.67	54	-17.33	74	-37.33
5	21.983	39.13	Pk	33.2	-25	-9.5	37.83	54	-16.17	74	-36.17
6	23.922	41.83	Pk	33.4	-23.9	-9.5	41.83	54	-12.17	74	-32.17

Pk - Peak detector

10. RADIATED TEST RESULTS (MODEL: A1687)

10.1. 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 measurements 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.

The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

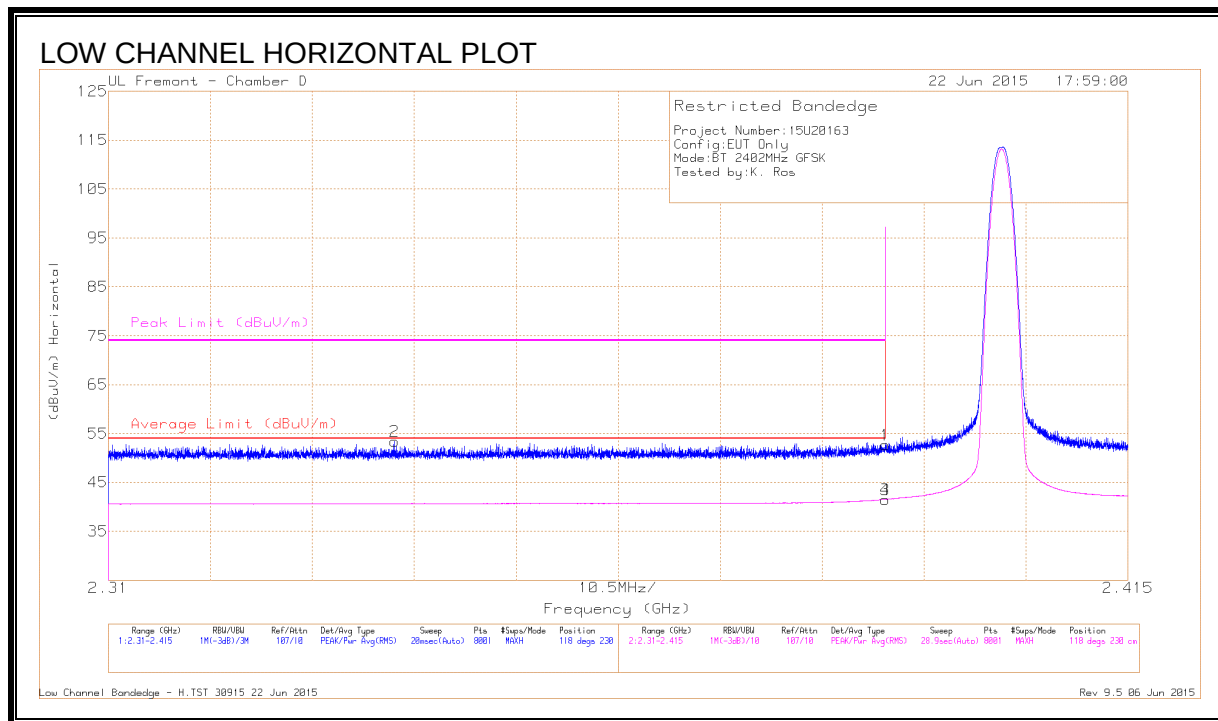
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

RESULTS

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



DATA

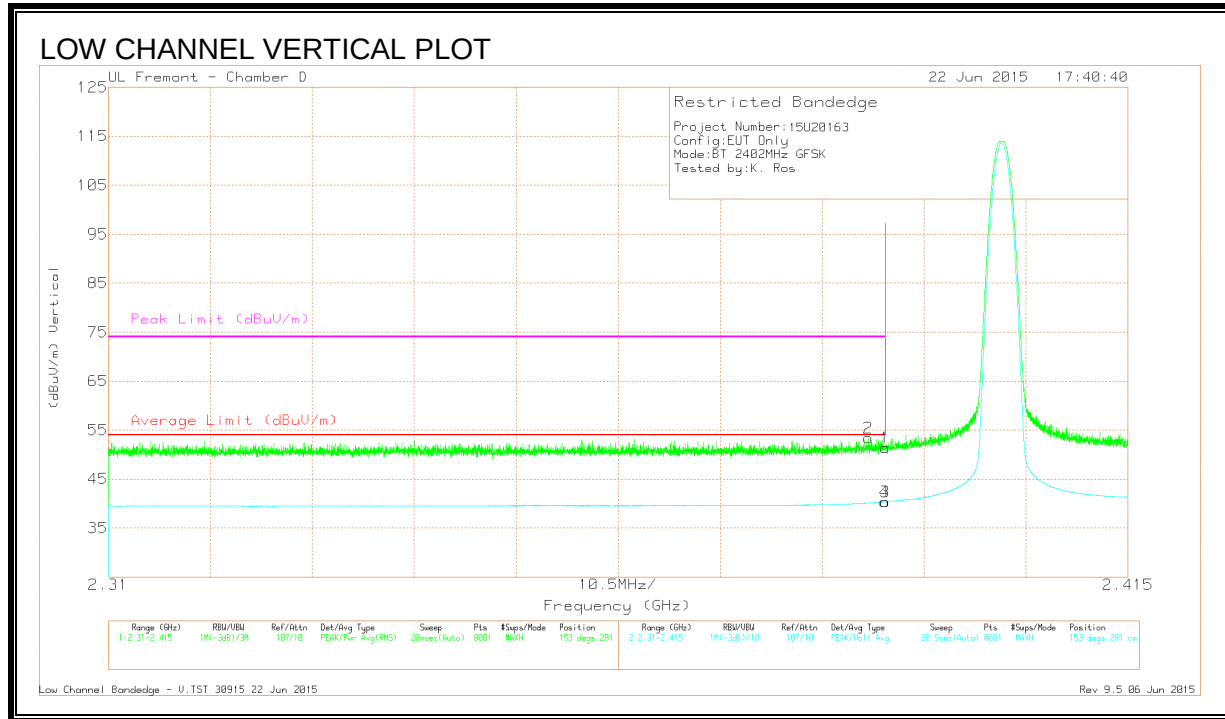
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.28	Pk	32.1	-20.7	52.68	-	-	74	-21.32	118	230	H
2	* 2.339	42.28	Pk	32	-20.9	53.38	-	-	74	-20.62	118	230	H
3	* 2.39	30.13	VB1T	32.1	-20.7	41.53	54	-12.47	-	-	118	230	H
4	* 2.39	30.11	VB1T	32.1	-20.7	41.51	54	-12.49	-	-	118	230	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



DATA

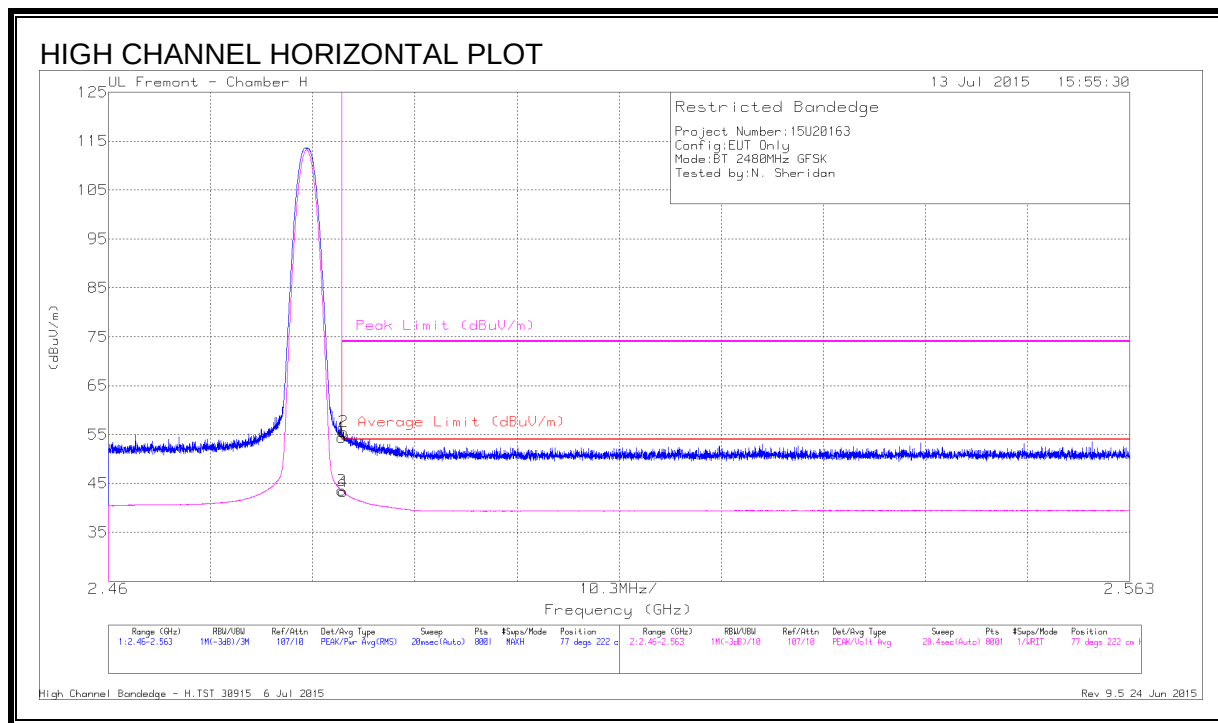
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.99	Pk	32.1	-20.7	51.39	-	-	74	-22.61	153	281	V
2	* 2.388	42.07	Pk	32.1	-20.8	53.37	-	-	74	-20.63	153	281	V
3	* 2.39	28.96	VB1T	32.1	-20.7	40.36	54	-13.64	-	-	153	281	V
4	* 2.39	28.95	VB1T	32.1	-20.7	40.35	54	-13.65	-	-	153	281	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



DATA

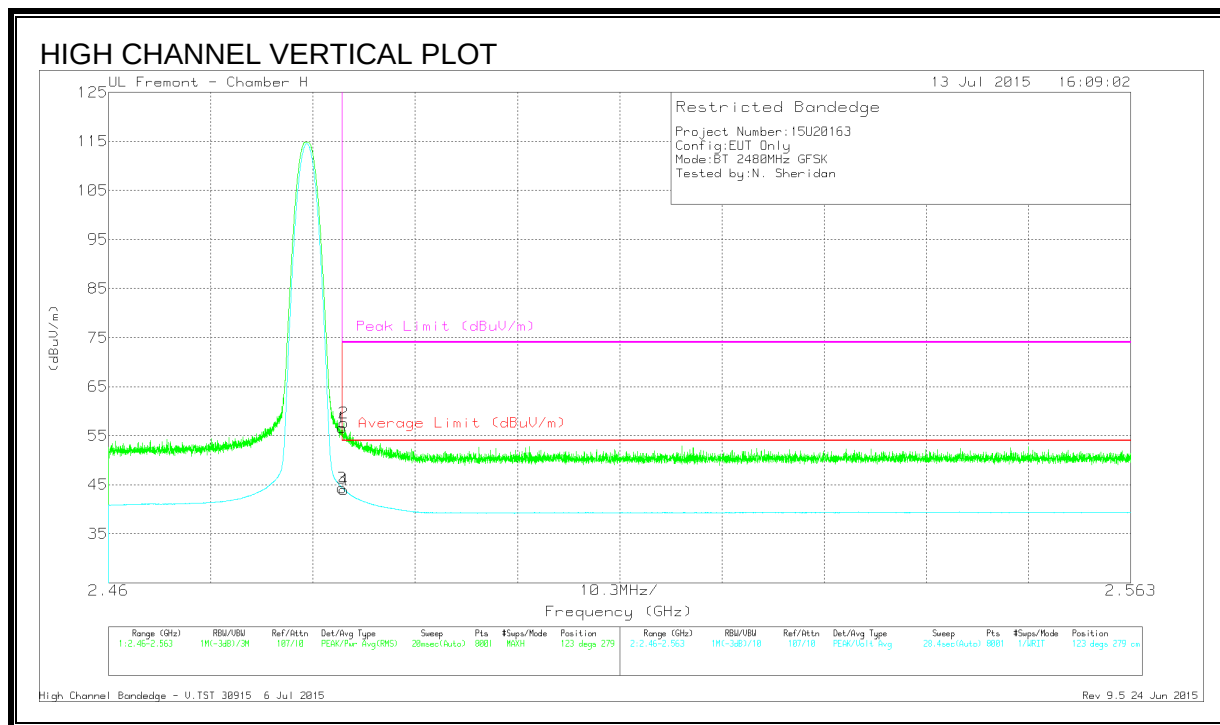
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.39	Pk	32.4	-23.4	54.39	-	-	74	-19.61	77	222	H
2	* 2.484	46.57	Pk	32.4	-23.4	55.57	-	-	74	-18.43	77	222	H
3	* 2.484	34.58	VB1T	32.4	-23.4	43.58	54	-10.42	-	-	77	222	H
4	* 2.484	34.38	VB1T	32.4	-23.4	43.38	54	-10.62	-	-	77	222	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



DATA

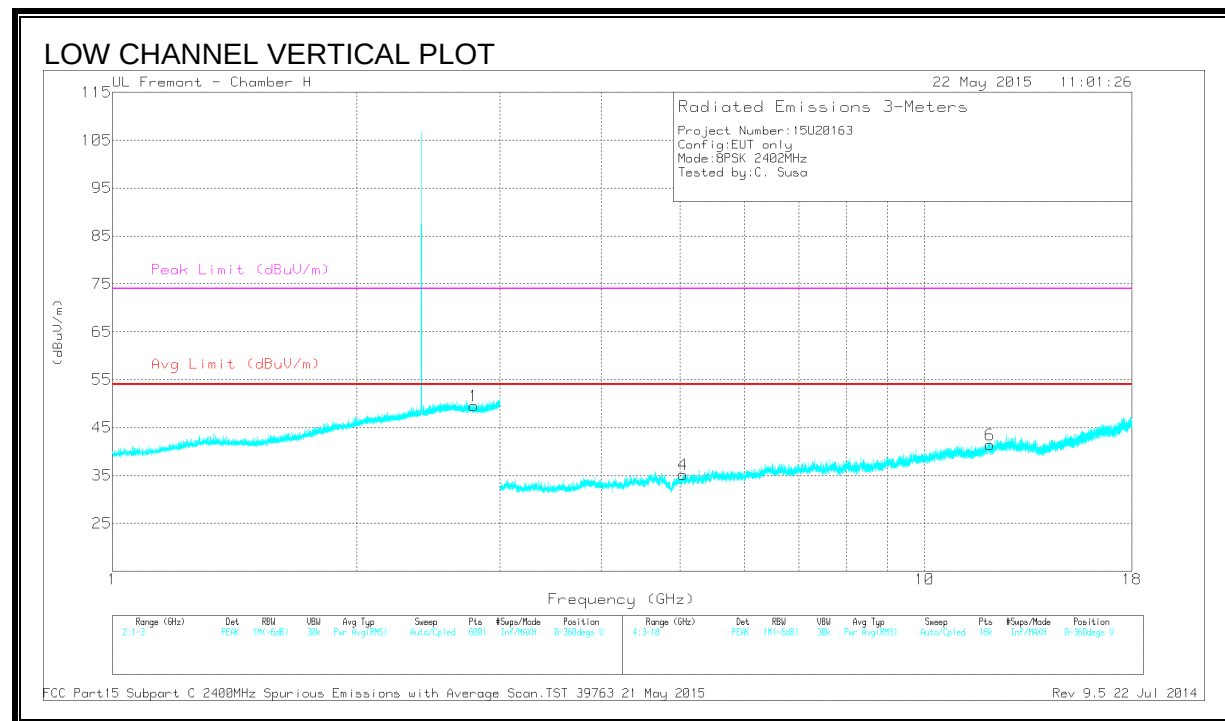
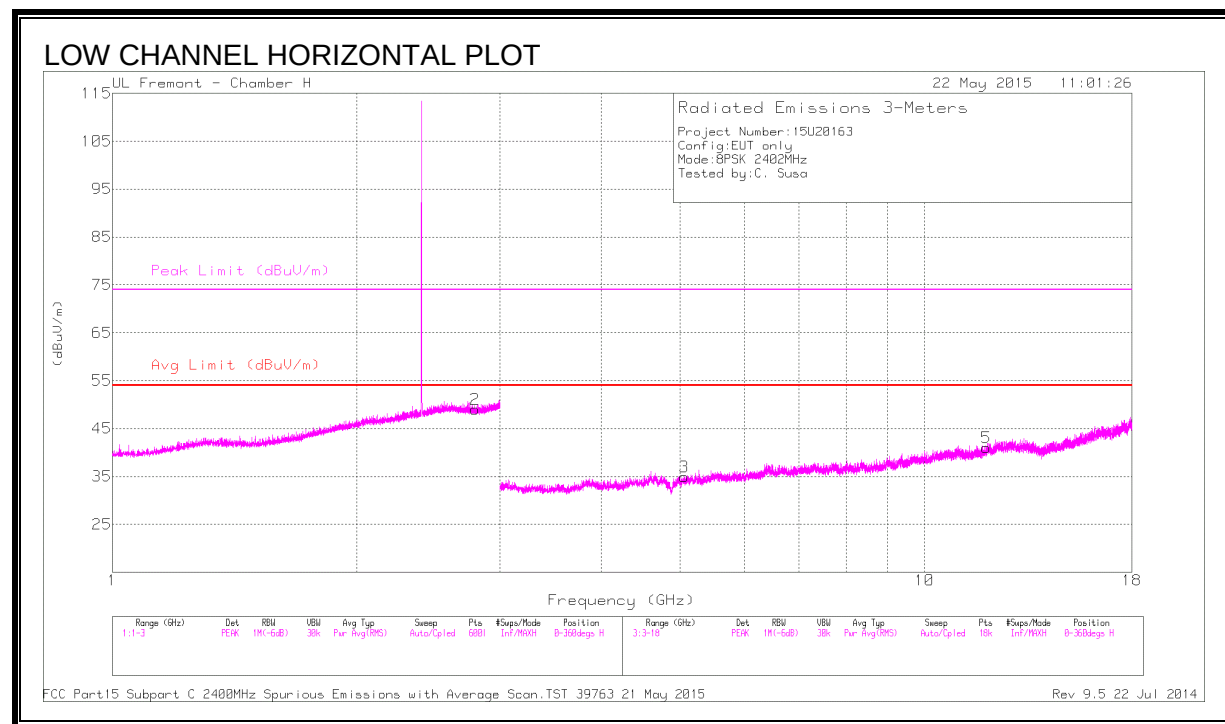
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.65	Pk	32.4	-23.4	56.65	-	-	74	-17.35	123	279	V
2	* 2.484	48.61	Pk	32.4	-23.4	57.61	-	-	74	-16.39	123	279	V
3	* 2.484	35.38	VB1T	32.4	-23.4	44.38	54	-9.62	-	-	123	279	V
4	* 2.484	34.96	VB1T	32.4	-23.4	43.96	54	-10.04	-	-	123	279	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

HARMONICS AND SPURIOUS EMISSIONS



DATA

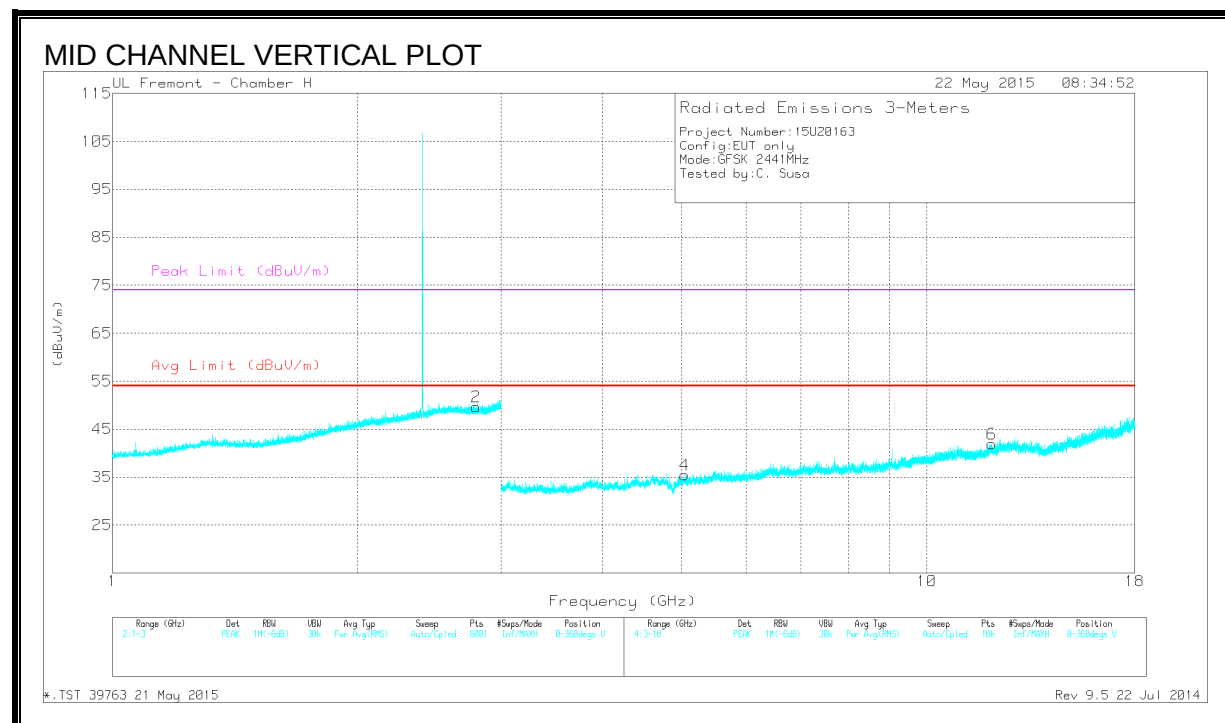
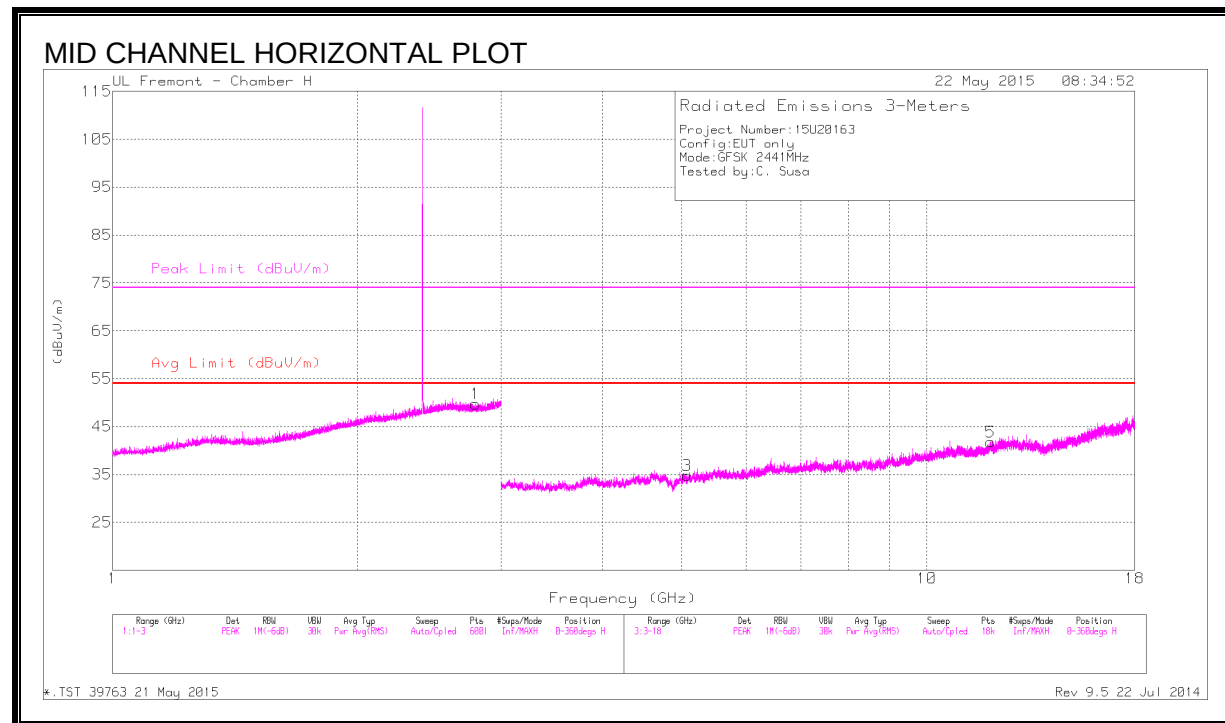
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.785	48.49	PK3	32.4	-24.3	56.59	-	-	74	-17.41	252	310	V
	* 2.786	35.48	VB10	32.4	-24.3	43.58	54	-10.42	-	-	252	310	V
2	* 2.794	48.41	PK3	32.4	-24.3	56.51	-	-	74	-17.49	218	171	H
	* 2.794	35.47	VB10	32.4	-24.3	43.57	54	-10.43	-	-	218	171	H
3	* 5.064	41.08	PK3	34.3	-32.4	42.98	-	-	74	-31.02	159	270	H
	* 5.062	28.03	VB10	34.3	-32.4	29.93	54	-24.07	-	-	159	270	H
4	* 5.044	40.44	PK3	34.3	-32.2	42.54	-	-	74	-31.46	227	248	V
	* 5.046	28.3	VB10	34.3	-32.3	30.3	54	-23.7	-	-	227	248	V
5	* 11.906	35.6	PK3	38.5	-25.6	48.5	-	-	74	-25.5	55	100	H
	* 11.903	23.23	VB10	38.5	-25.6	36.13	54	-17.87	-	-	55	100	H
6	* 12.036	35.59	PK3	38.8	-25	49.39	-	-	74	-24.61	107	166	V
	* 12.034	22.81	VB10	38.8	-24.9	36.71	54	-17.29	-	-	107	166	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

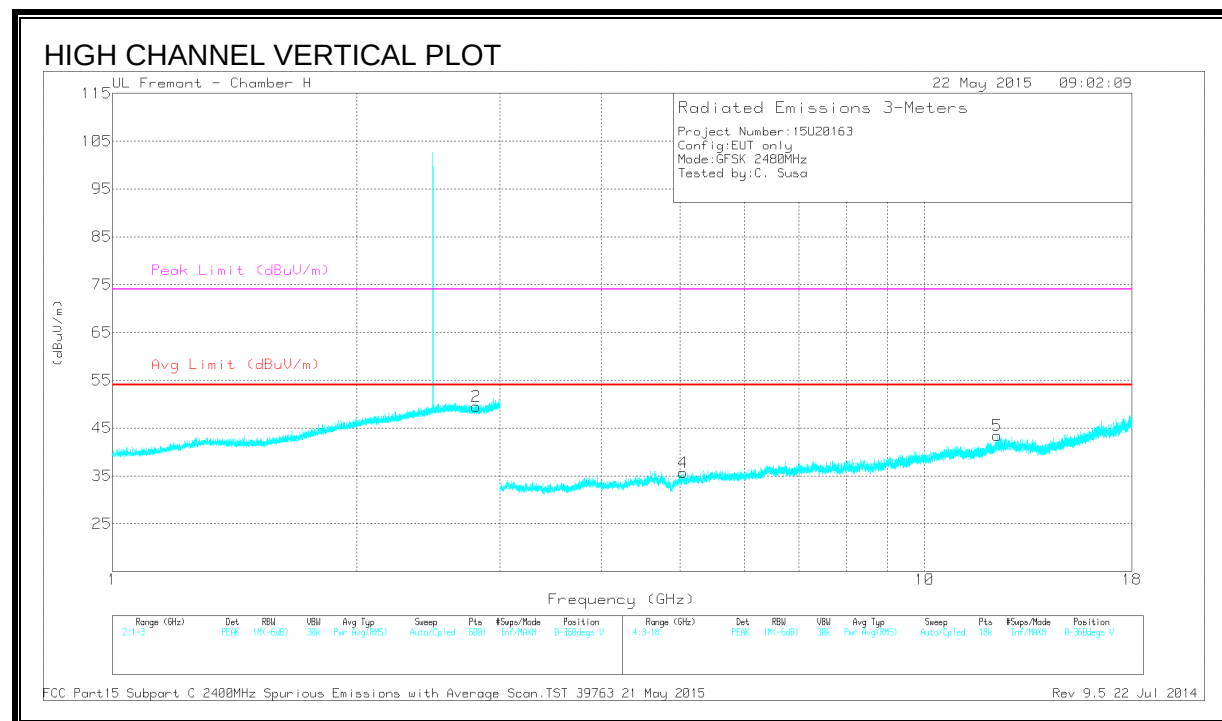
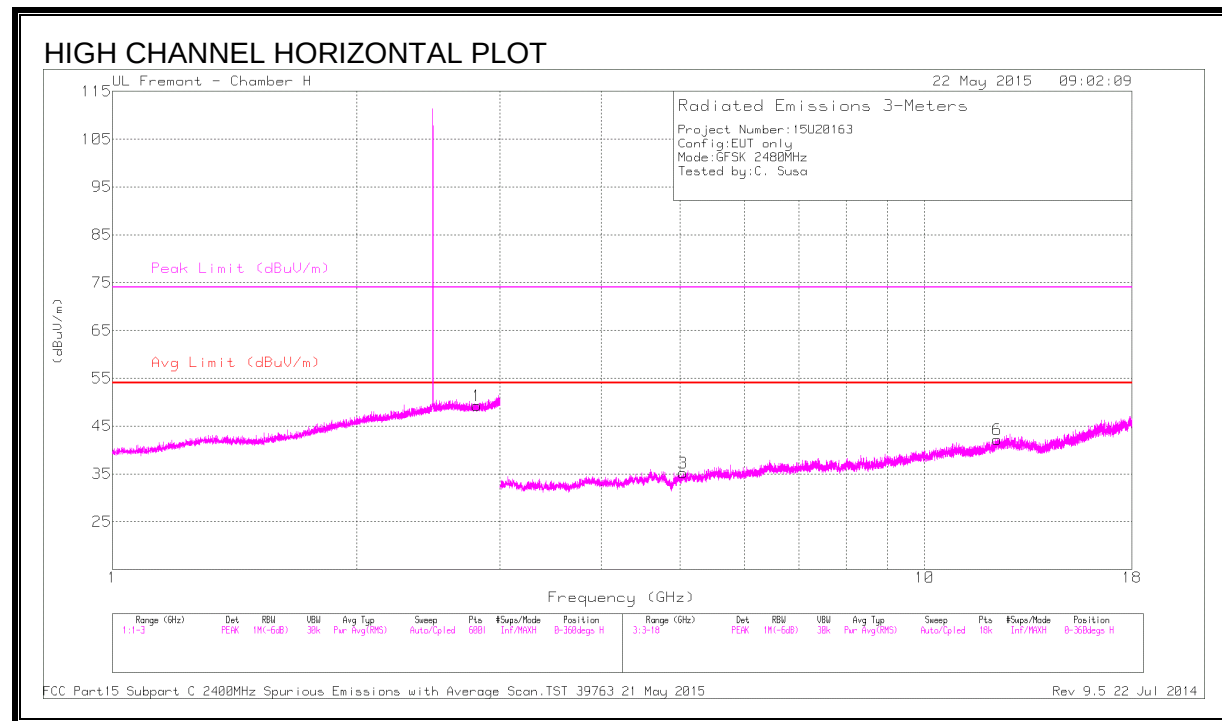
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.789	49.24	PK3	32.4	-24.3	57.34	-	-	74	-16.66	198	192	H
	* 2.789	35.6	VB10	32.4	-24.3	43.7	54	-10.3	-	-	198	192	H
2	* 2.795	48.7	PK3	32.4	-24.3	56.8	-	-	74	-17.2	99	242	V
	* 2.793	35.57	VB10	32.4	-24.3	43.67	54	-10.33	-	-	99	242	V
3	* 5.08	41.37	PK3	34.3	-32.3	43.37	-	-	74	-30.63	246	281	H
	* 5.08	27.92	VB10	34.3	-32.3	29.92	54	-24.08	-	-	246	281	H
4	* 5.043	41.62	PK3	34.3	-32.2	43.72	-	-	74	-30.28	309	236	V
	* 5.047	28.4	VB10	34.3	-32.3	30.4	54	-23.6	-	-	309	236	V
5	* 11.979	35.01	PK3	38.7	-24.9	48.81	-	-	74	-25.19	148	126	H
	* 11.977	22.77	VB10	38.7	-24.9	36.57	54	-17.43	-	-	148	126	H
6	* 12.011	35.62	PK3	38.8	-25.1	49.32	-	-	74	-24.68	303	185	V
	* 12.011	22.85	VB10	38.8	-25.1	36.55	54	-17.45	-	-	303	185	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/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	* 2.81	48.24	PK3	32.4	-24.3	56.34	-	-	74	-17.66	185	249	H
	* 2.806	35.59	VB10	32.4	-24.3	43.69	54	-10.31	-	-	185	249	H
2	* 2.804	49.02	PK3	32.4	-24.3	57.12	-	-	74	-16.88	93	209	V
	* 2.805	35.58	VB10	32.4	-24.3	43.68	54	-10.32	-	-	93	209	V
3	* 5.041	41.14	PK3	34.3	-32.2	43.24	-	-	74	-30.76	164	240	H
	* 5.04	28.31	VB10	34.3	-32.2	30.41	54	-23.59	-	-	164	240	H
6	* 12.276	36.03	PK3	39.1	-25	50.13	-	-	74	-23.87	105	336	H
	* 12.277	23.23	VB10	39.1	-25	37.33	54	-16.67	-	-	105	336	H
4	* 5.037	41.17	PK3	34.3	-32.2	43.27	-	-	74	-30.73	129	272	V
	* 5.041	28.31	VB10	34.3	-32.2	30.41	54	-23.59	-	-	129	272	V
5	* 12.284	36.12	PK3	39.1	-24.8	50.42	-	-	74	-23.58	293	247	V
	* 12.284	23.28	VB10	39.1	-24.8	37.58	54	-16.42	-	-	293	247	V

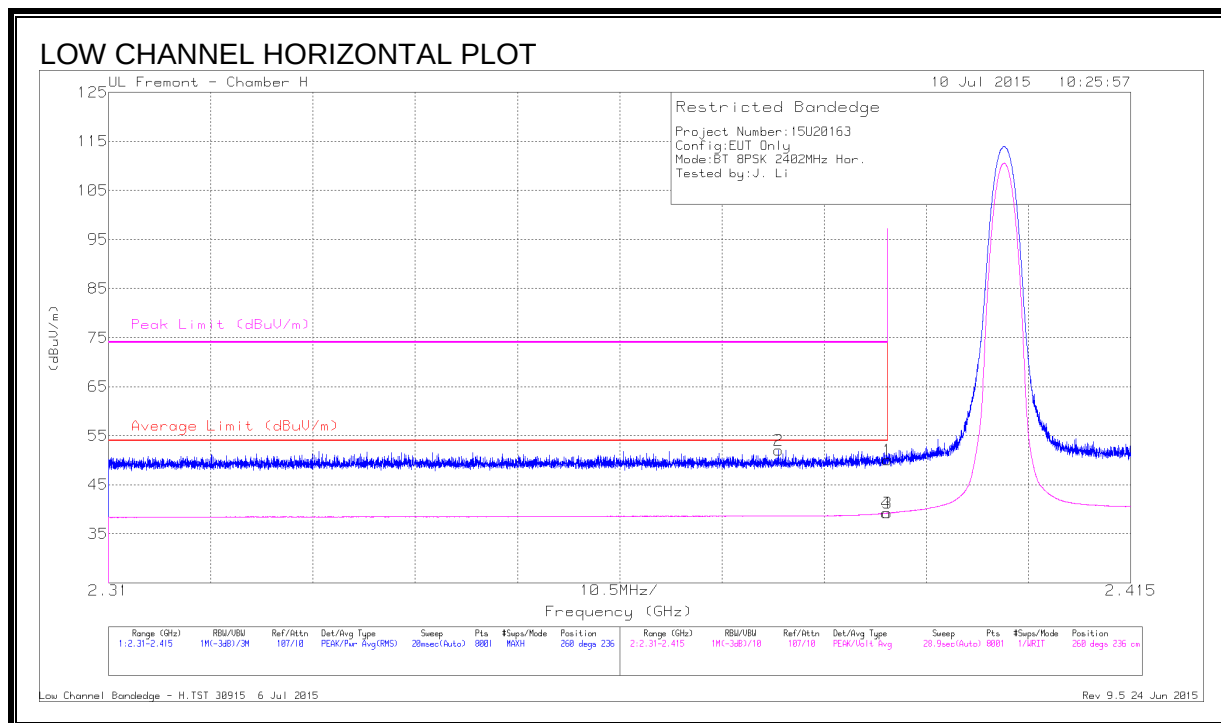
* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

10.2.2. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



DATA

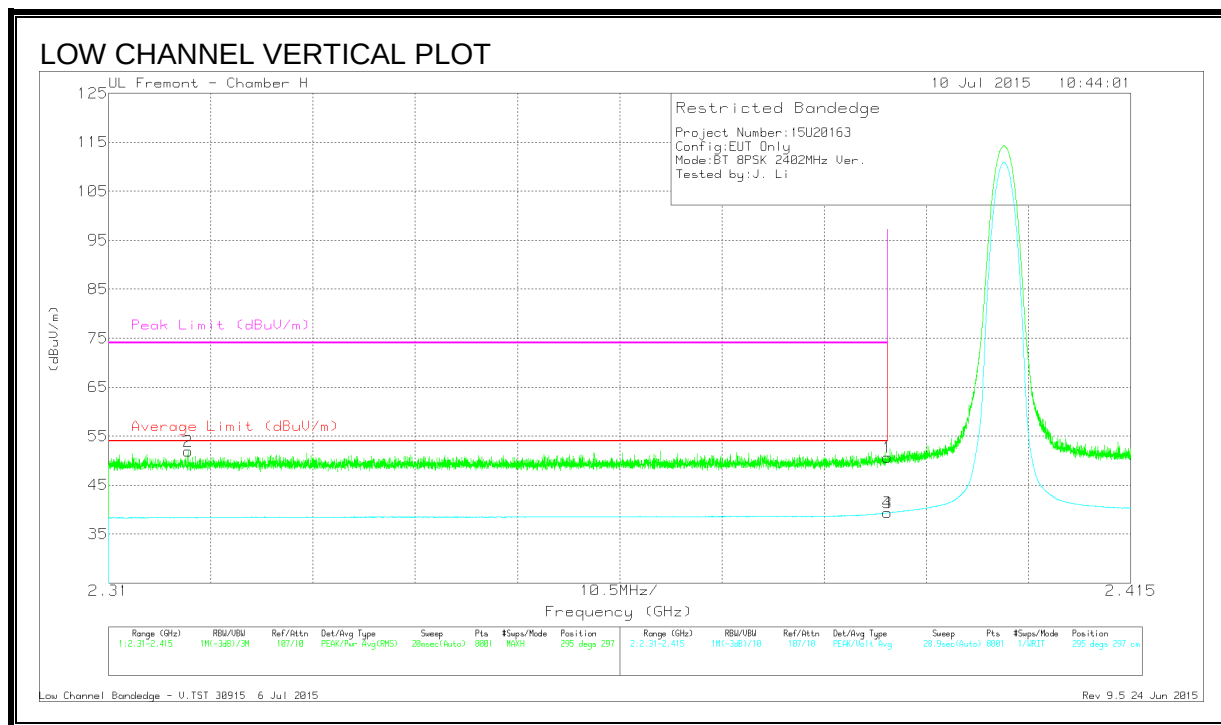
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.49	Pk	32	-23.5	49.99	-	-	74	-24.01	255	220	H
2	* 2.379	43.58	Pk	32	-23.5	52.08	-	-	74	-21.92	255	220	H
3	* 2.39	30.69	VB1T	32	-23.5	39.19	54	-14.81	-	-	255	220	H
4	* 2.39	30.69	VB1T	32	-23.5	39.19	54	-14.81	-	-	255	220	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



DATA

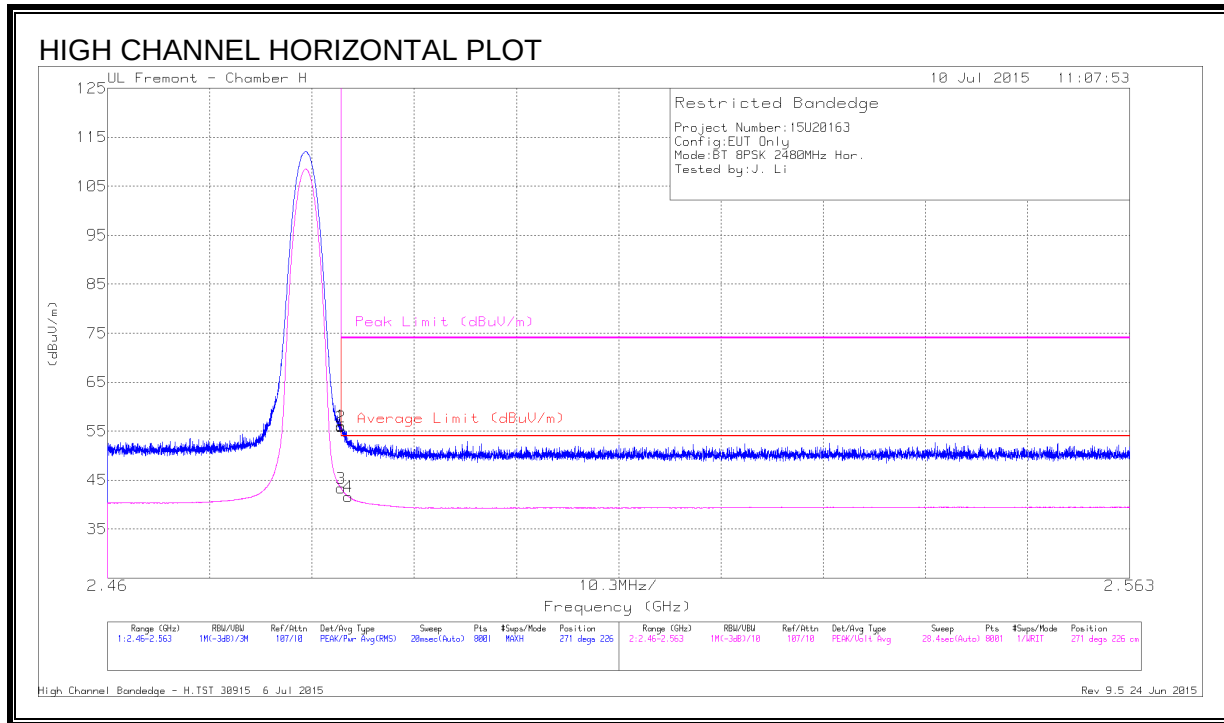
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.14	Pk	32	-23.5	50.64	-	-	74	-23.36	269	278	V
2	* 2.318	43.65	Pk	31.8	-23.5	51.95	-	-	74	-22.05	269	278	V
3	* 2.39	30.82	VB1T	32	-23.5	39.32	54	-14.68	-	-	269	278	V
4	* 2.39	30.81	VB1T	32	-23.5	39.31	54	-14.69	-	-	269	278	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



DATA

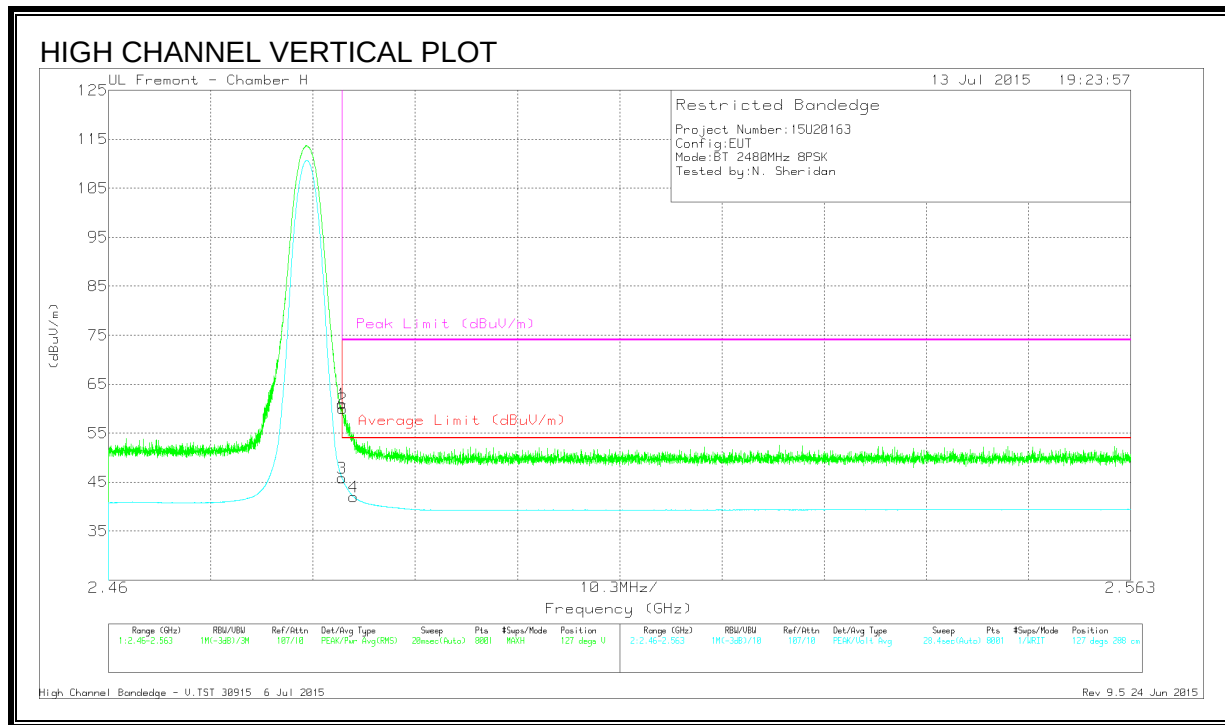
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.07	Pk	32.4	-23.4	56.07	-	-	74	-17.93	258	232	H
2	* 2.484	46.92	Pk	32.4	-23.4	55.92	-	-	74	-18.08	258	232	H
3	* 2.484	34.37	VB1T	32.4	-23.4	43.37	54	-10.63	-	-	258	232	H
4	* 2.484	32.58	VB1T	32.4	-23.4	41.58	54	-12.42	-	-	258	232	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



DATA

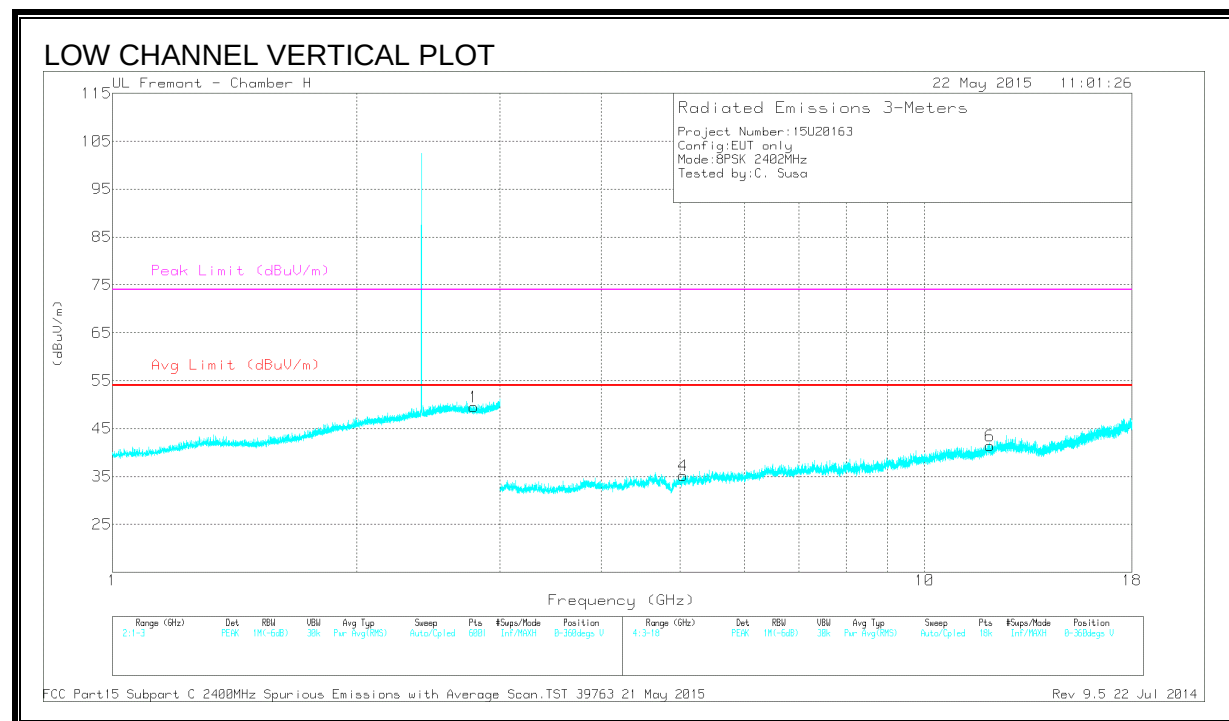
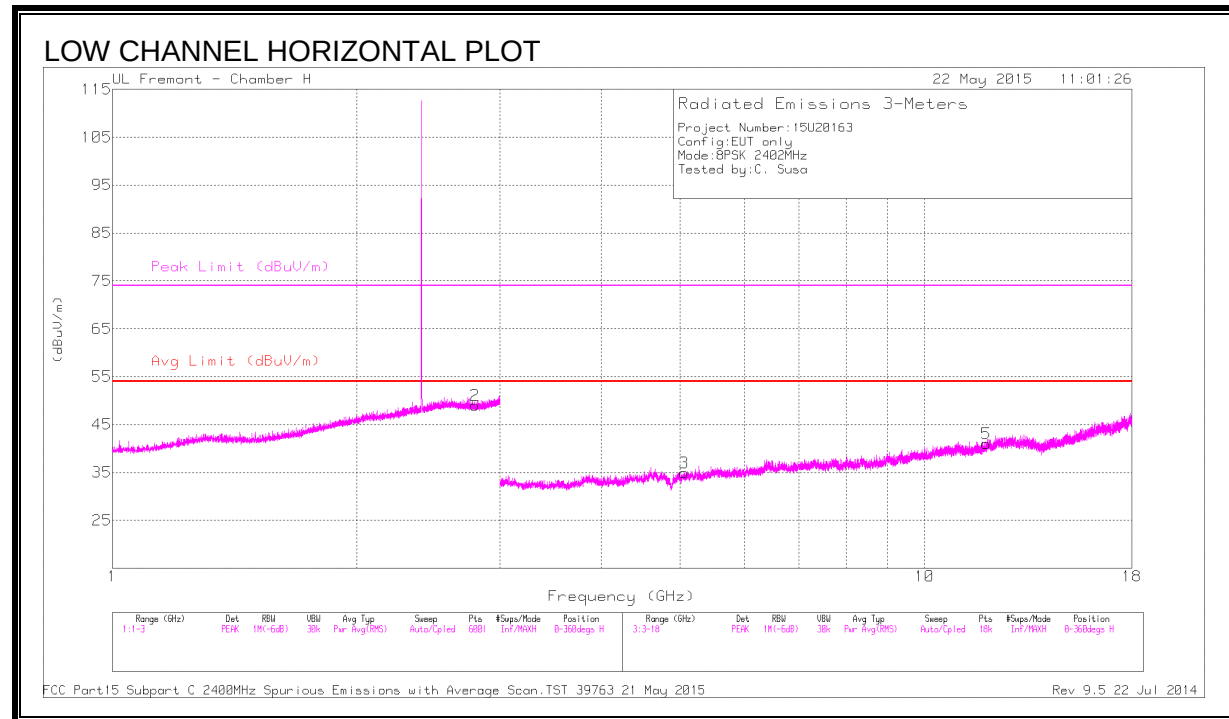
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.99	Pk	32.4	-23.4	60.99	-	-	74	-13.01	127	288	V
2	* 2.484	50.97	Pk	32.4	-23.4	59.97	-	-	74	-14.03	127	288	V
3	* 2.484	36.84	VB1T	32.4	-23.4	45.84	54	-8.16	-	-	127	288	V
4	* 2.485	32.98	VB1T	32.4	-23.4	41.98	54	-12.02	-	-	127	288	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

HARMONICS AND SPURIOUS EMISSIONS



DATA

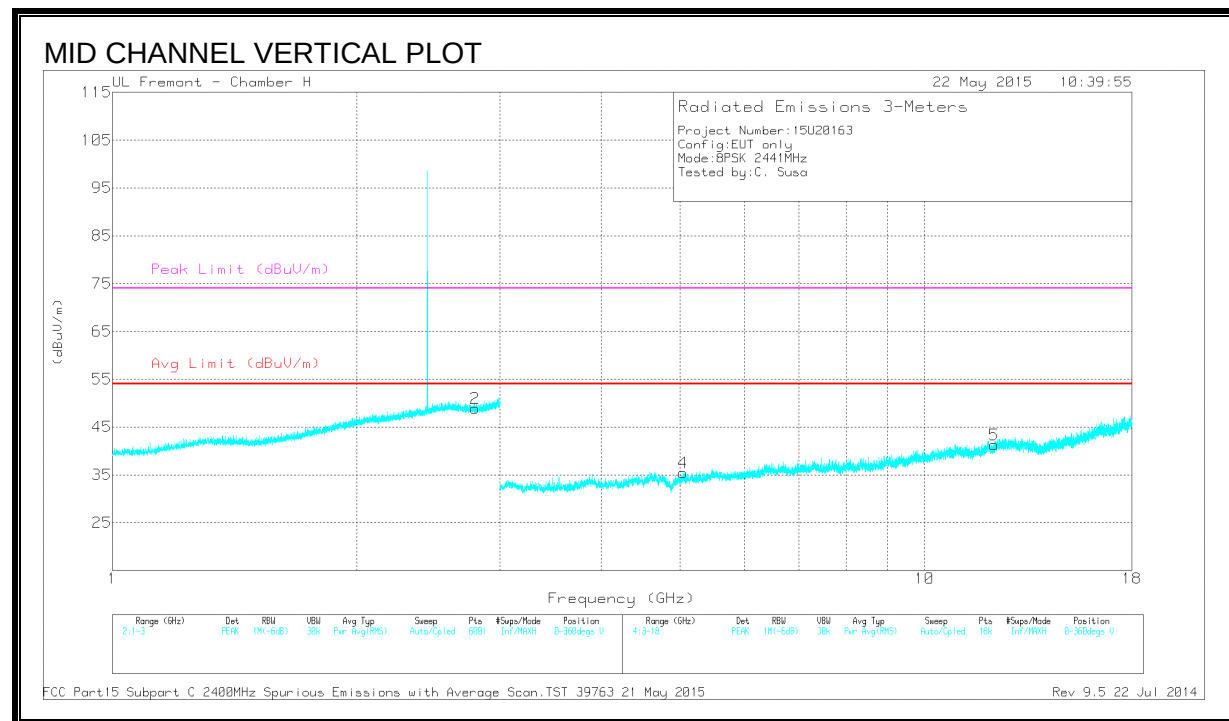
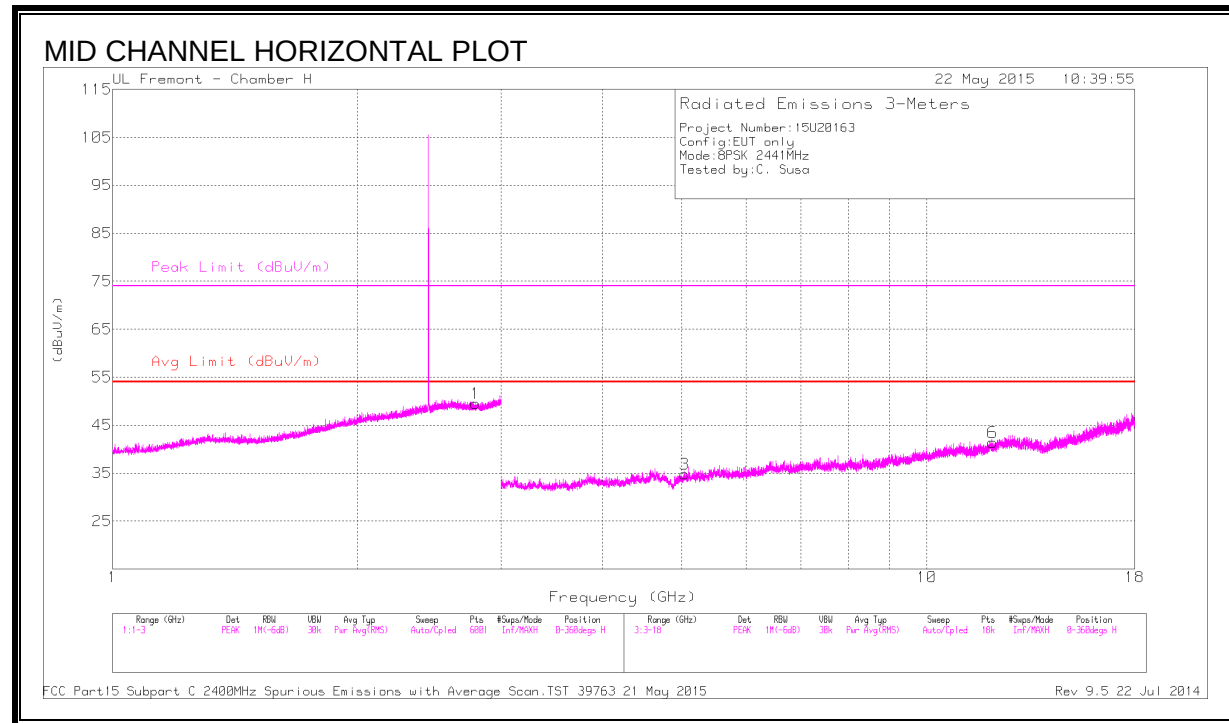
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.785	48.49	PK3	32.4	-24.3	56.59	-	-	74	-17.41	252	310	V
	* 2.786	35.48	VB10	32.4	-24.3	43.58	54	-10.42	-	-	252	310	V
2	* 2.794	48.41	PK3	32.4	-24.3	56.51	-	-	74	-17.49	218	171	H
	* 2.794	35.47	VB10	32.4	-24.3	43.57	54	-10.43	-	-	218	171	H
3	* 5.064	41.08	PK3	34.3	-32.4	42.98	-	-	74	-31.02	159	270	H
	* 5.062	28.03	VB10	34.3	-32.4	29.93	54	-24.07	-	-	159	270	H
4	* 5.044	40.44	PK3	34.3	-32.2	42.54	-	-	74	-31.46	227	248	V
	* 5.046	28.3	VB10	34.3	-32.3	30.3	54	-23.7	-	-	227	248	V
5	* 11.906	35.6	PK3	38.5	-25.6	48.5	-	-	74	-25.5	55	100	H
	* 11.903	23.23	VB10	38.5	-25.6	36.13	54	-17.87	-	-	55	100	H
6	* 12.036	35.59	PK3	38.8	-25	49.39	-	-	74	-24.61	107	166	V
	* 12.034	22.81	VB10	38.8	-24.9	36.71	54	-17.29	-	-	107	166	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

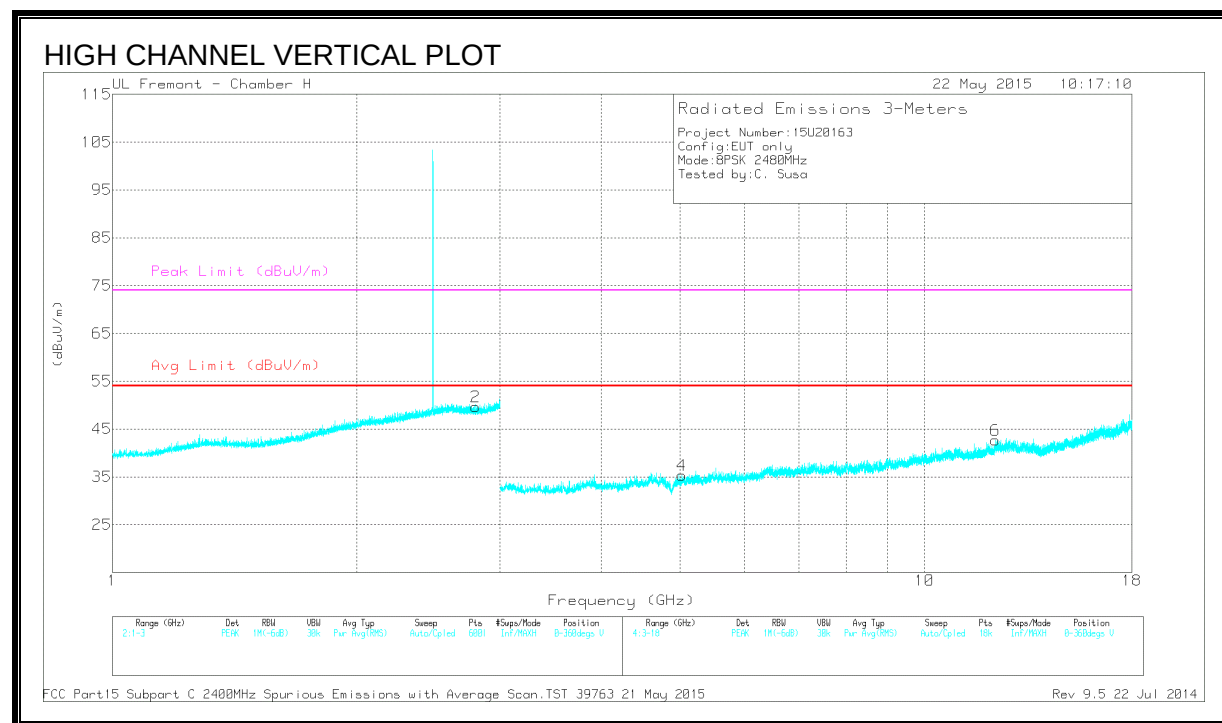
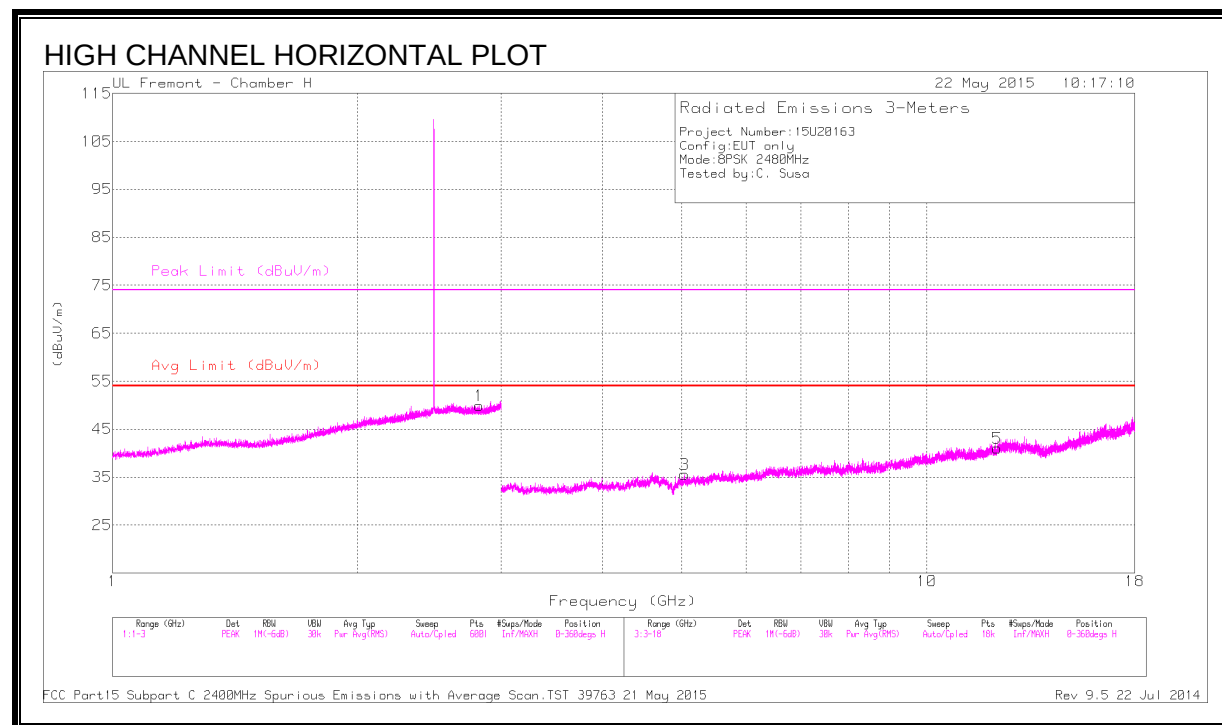
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.791	49.07	PK3	32.4	-24.3	57.17	-	-	74	-16.83	149	192	H
	* 2.794	35.48	VB10	32.4	-24.3	43.58	54	-10.42	-	-	149	192	H
2	* 2.798	48.54	PK3	32.4	-24.3	56.64	-	-	74	-17.36	72	235	V
	* 2.798	35.63	VB10	32.4	-24.3	43.73	54	-10.27	-	-	72	235	V
3	* 5.043	40.96	PK3	34.3	-32.2	43.06	-	-	74	-30.94	231	321	H
	* 5.042	28.26	VB10	34.3	-32.2	30.36	54	-23.64	-	-	231	321	H
4	* 5.04	41.58	PK3	34.3	-32.2	43.68	-	-	74	-30.32	182	270	V
	* 5.038	28.25	VB10	34.3	-32.2	30.35	54	-23.65	-	-	182	270	V
5	* 12.174	35.15	PK3	39	-25.8	48.35	-	-	74	-25.65	270	239	V
	* 12.173	23.05	VB10	39	-25.8	36.25	54	-17.75	-	-	270	239	V
6	* 12.045	35.07	PK3	38.8	-25.1	48.77	-	-	74	-25.23	197	126	H
	* 12.045	22.73	VB10	38.8	-25.1	36.43	54	-17.57	-	-	197	126	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (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	* 2.823	48.44	PK3	32.4	-24.3	56.54	-	-	74	-17.46	248	183	H
	* 2.822	35.51	VB10	32.4	-24.3	43.61	54	-10.39	-	-	248	183	H
2	* 2.8	48.44	PK3	32.4	-24.3	56.54	-	-	74	-17.46	287	306	V
	* 2.804	35.57	VB10	32.4	-24.3	43.67	54	-10.33	-	-	287	306	V
3	* 5.036	40.46	PK3	34.3	-32.2	42.56	-	-	74	-31.44	182	253	H
	* 5.039	28.27	VB10	34.3	-32.2	30.37	54	-23.63	-	-	182	253	H
4	* 5.027	41.19	PK3	34.3	-32.1	43.39	-	-	74	-30.61	247	224	V
	* 5.028	27.88	VB10	34.3	-32.1	30.08	54	-23.92	-	-	247	224	V
5	* 12.194	36.54	PK3	39.1	-25.6	50.04	-	-	74	-23.96	104	274	H
	* 12.196	23	VB10	39.1	-25.5	36.6	54	-17.4	-	-	104	274	H
6	* 12.219	35.95	PK3	39.1	-25.2	49.85	-	-	74	-24.15	150	247	V
	* 12.219	23.09	VB10	39.1	-25.2	36.99	54	-17.01	-	-	150	247	V

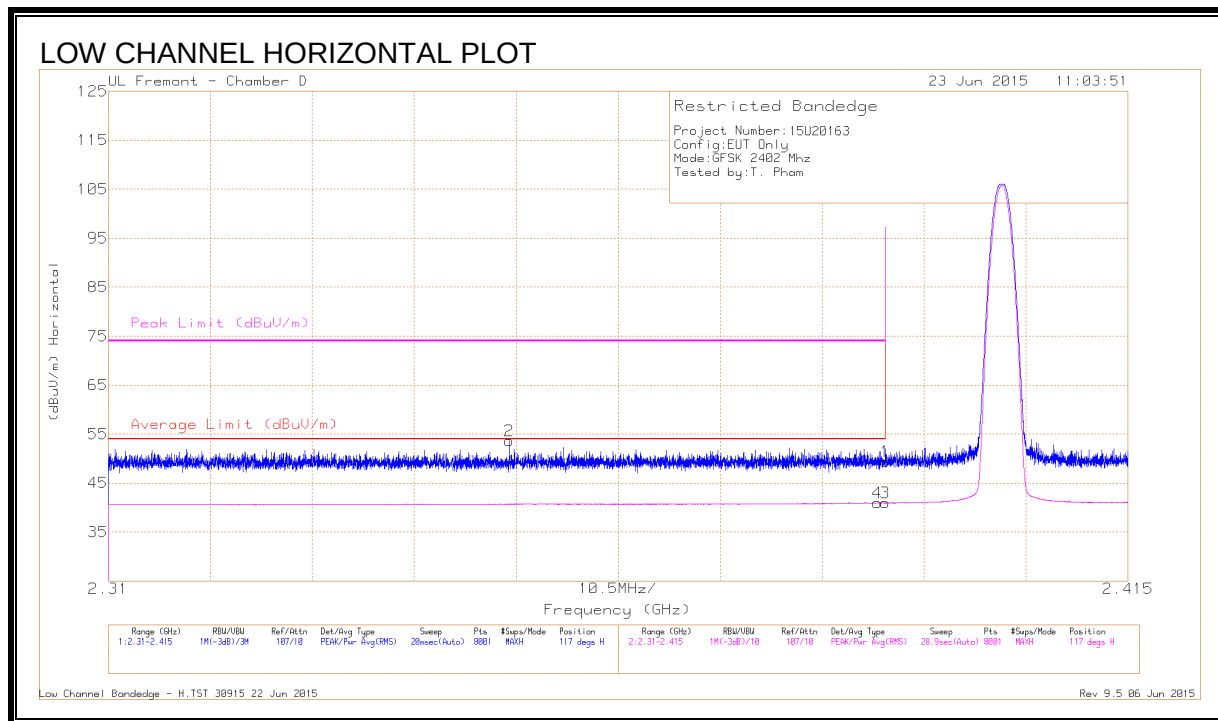
* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

10.2.3. LOW POWER BASIC DATA RATE GFSK MODULATION

RESTRICTED BANDEGE (LOW CHANNEL, HORIZONTAL)



DATA

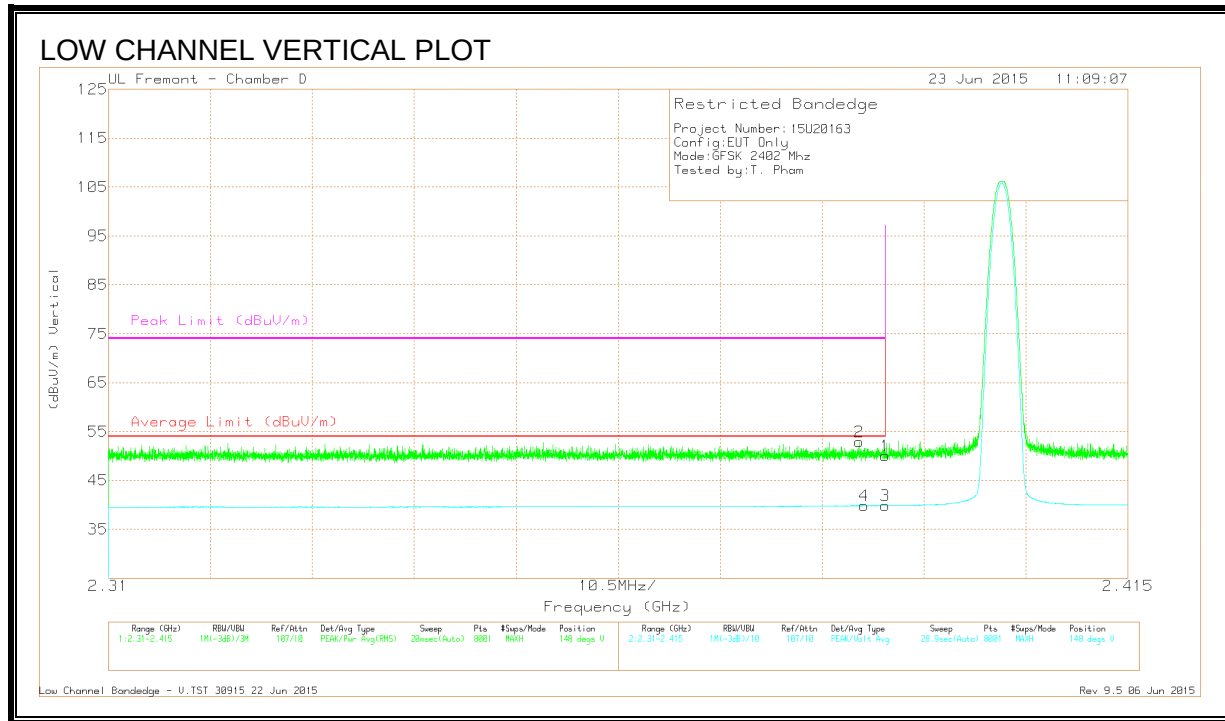
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.351	42.5	Pk	32	-20.9	53.6	-	-	74	-20.4	117	230	H
4	* 2.389	29.57	VB1T	32.1	-20.7	40.97	54	-13.03	-	-	117	230	H
1	* 2.39	37.99	Pk	32.1	-20.7	49.39	-	-	74	-24.61	117	230	H
3	* 2.39	29.53	VB1T	32.1	-20.7	40.93	54	-13.07	-	-	117	230	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEGE (LOW CHANNEL, VERTICAL)



DATA

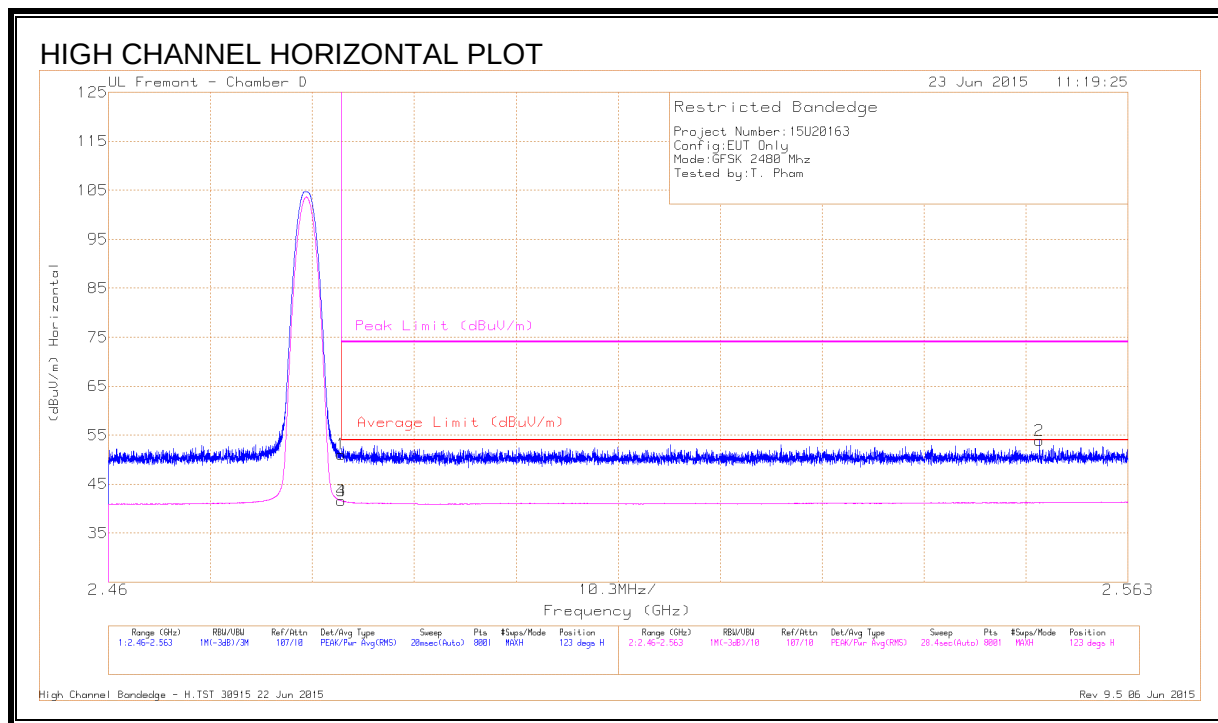
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.387	41.56	Pk	32.1	-20.8	52.86	-	-	74	-21.14	148	353	V
4	* 2.388	28.61	VB1T	32.1	-20.8	39.91	54	-14.09	-	-	148	353	V
1	* 2.39	38.63	Pk	32.1	-20.7	50.03	-	-	74	-23.97	148	353	V
3	* 2.39	28.43	VB1T	32.1	-20.7	39.83	54-	-14.17	-	-	148	353	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



DATA

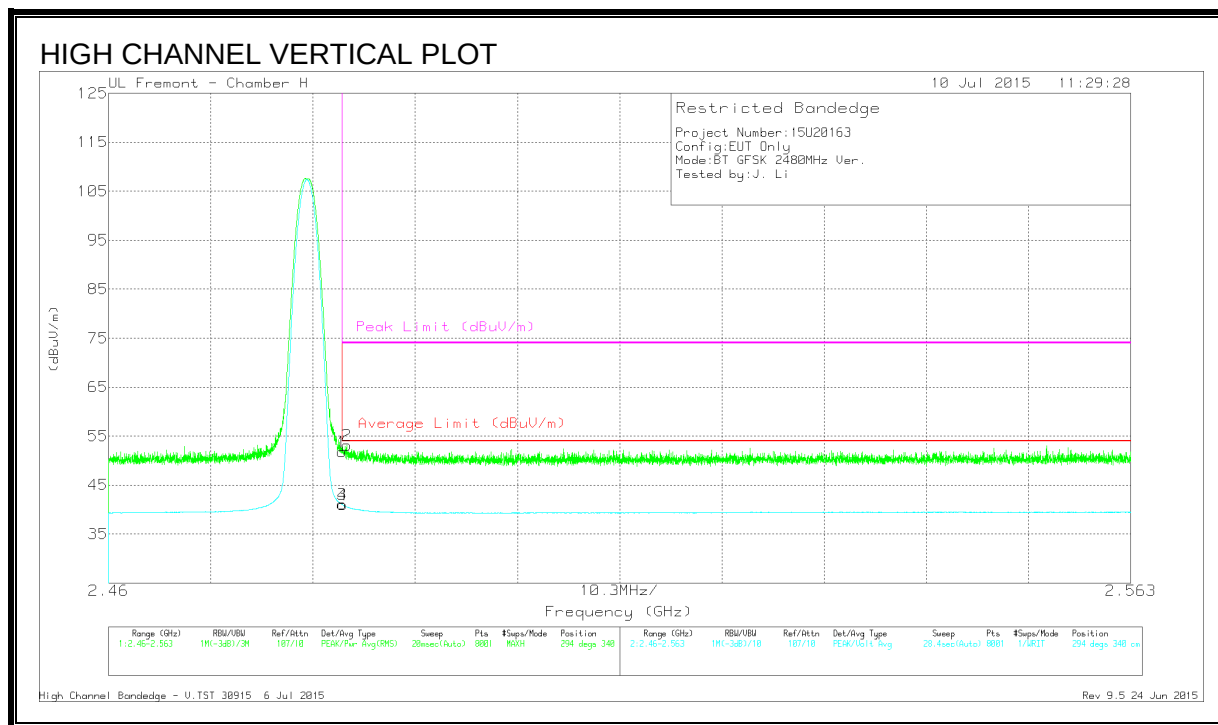
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.7	Pk	32.2	-20.8	51.1	-	-	74	-22.9	123	267	H
3	* 2.484	30.2	VB1T	32.2	-20.8	41.6	54	-12.4	-	-	123	267	H
4	* 2.484	30.18	VB1T	32.2	-20.8	41.58	54	-12.42	-	-	123	267	H
2	2.554	42.33	Pk	32.3	-20.7	53.93	-	-	74	-20.07	123	267	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEGE (HIGH CHANNEL, VERTICAL)



DATA

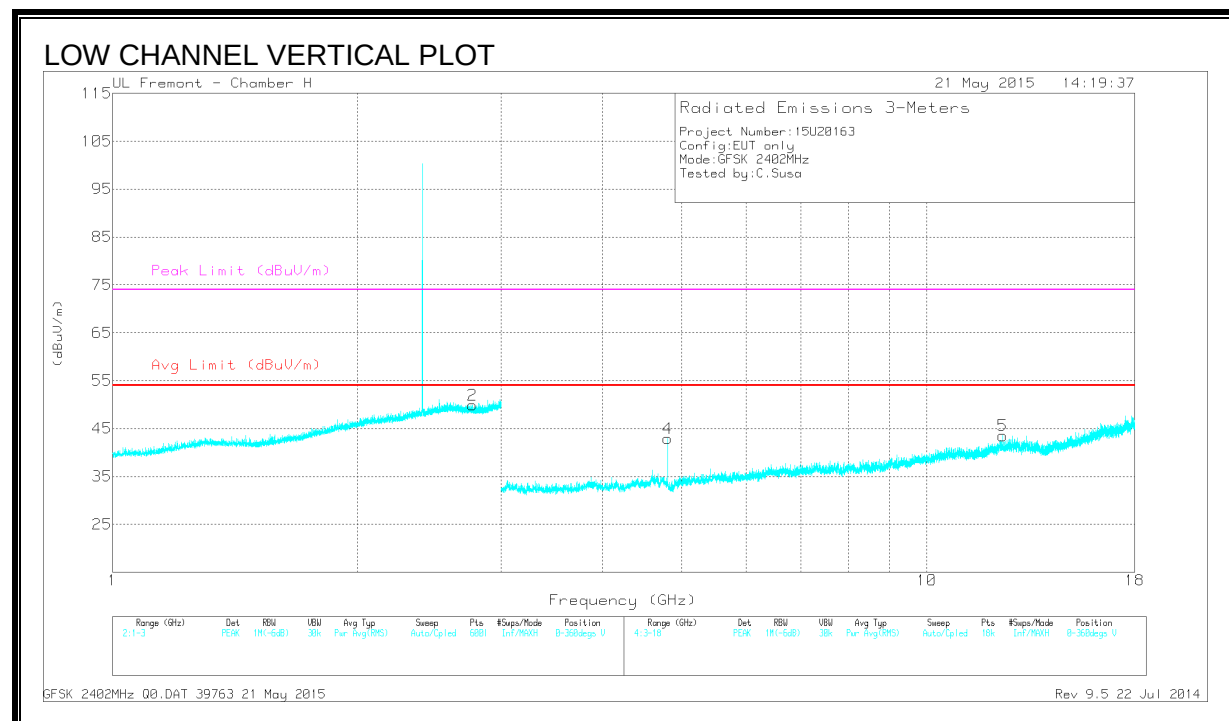
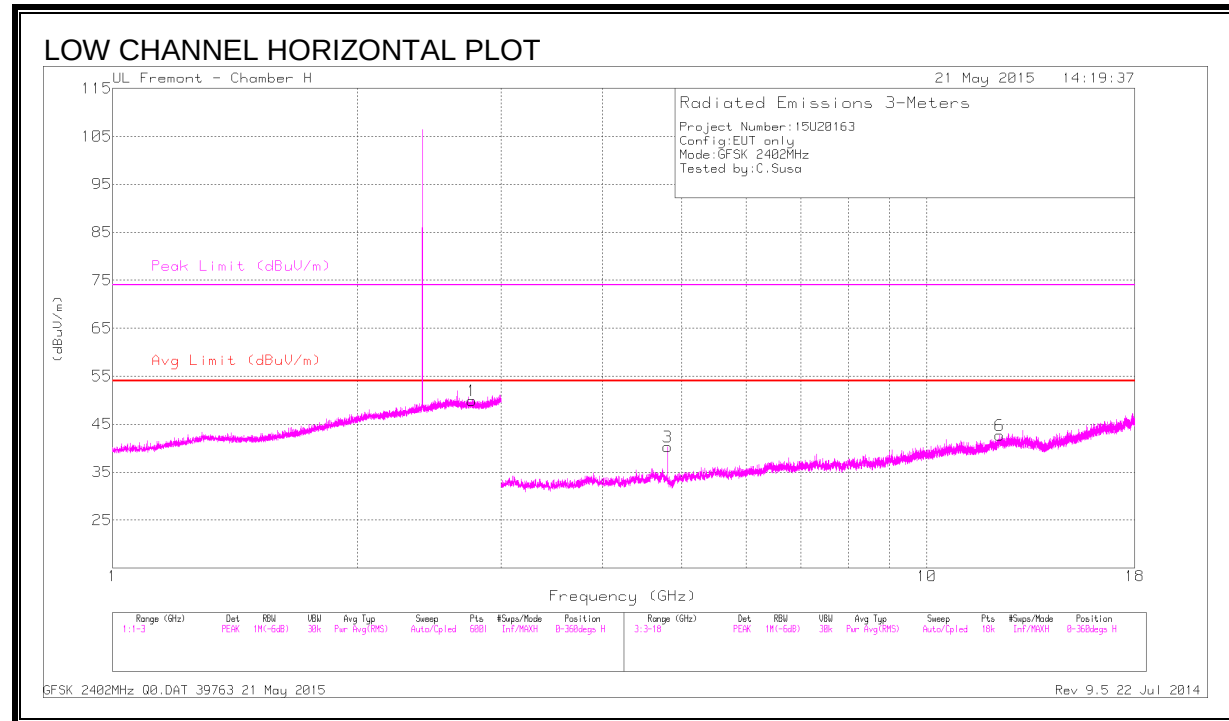
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.76	Pk	32.4	-23.4	51.76	-	-	74	-22.24	253	312	V
2	* 2.484	44.09	Pk	32.4	-23.4	53.09	-	-	74	-20.91	253	312	V
3	* 2.484	32.09	VB1T	32.4	-23.4	41.09	54	-12.91	-	-	253	312	V
4	* 2.484	31.98	VB1T	32.4	-23.4	40.98	54	-13.02	-	-	253	31	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/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	* 2.761	48.63	PK3	32.4	-24.3	56.73	-	-	74	-17.27	211	235	H
	* 2.761	35.53	VB10	32.4	-24.3	43.63	54	-10.37	-	-	211	235	H
2	* 2.765	48.6	PK3	32.4	-24.3	56.7	-	-	74	-17.3	262	268	V
	* 2.764	35.52	VB10	32.4	-24.3	43.62	54	-10.38	-	-	262	268	V
3	* 4.804	43.88	PK3	34.2	-32.5	45.58	-	-	74	-28.42	129	124	H
	* 4.804	36.07	VB10	34.2	-32.5	37.77	54	-16.23	-	-	129	124	H
4	* 4.804	45.71	PK3	34.2	-32.5	47.41	-	-	74	-26.59	89	221	V
	* 4.804	40.43	VB10	34.2	-32.5	42.13	54	-11.87	-	-	89	221	V
5	* 12.387	36.69	PK3	39.1	-25.8	49.99	-	-	74	-24.01	182	203	V
	* 12.388	23.77	VB10	39.1	-25.9	36.97	54	-17.03	-	-	182	203	V
6	* 12.296	35.62	PK3	39.1	-24.9	49.82	-	-	74	-24.18	229	121	H
	* 12.294	23.23	VB10	39.1	-24.8	37.53	54	-16.47	-	-	229	121	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

DATA

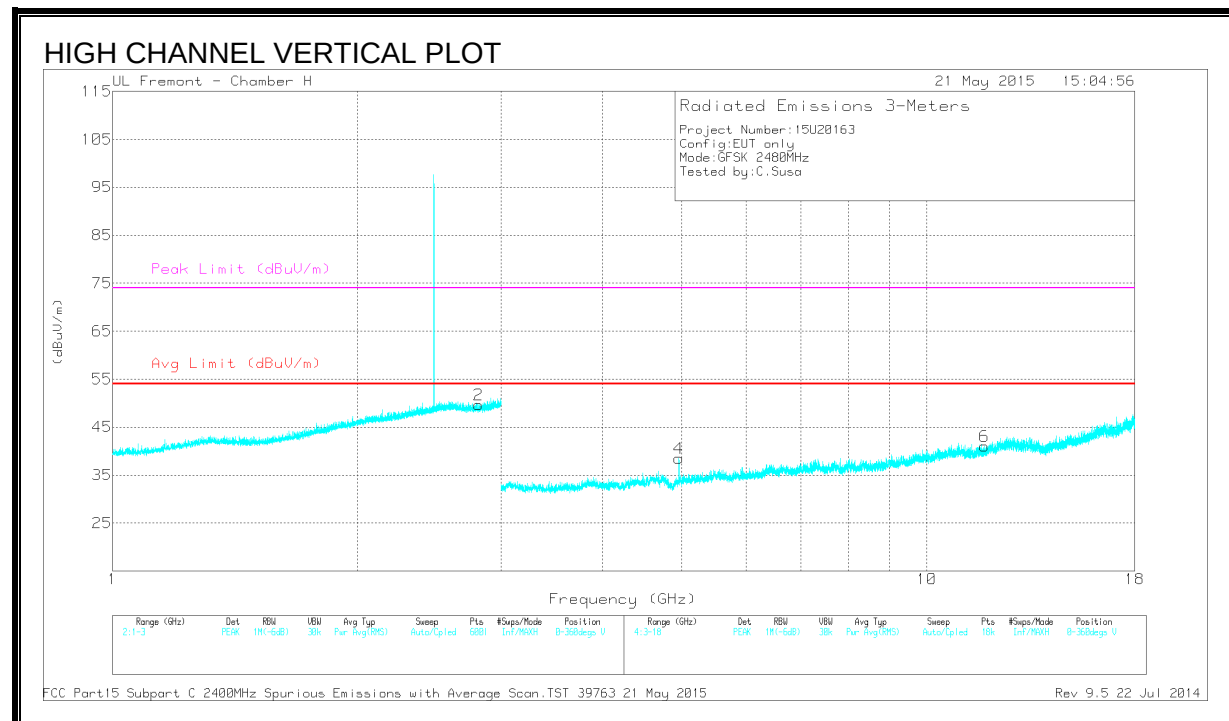
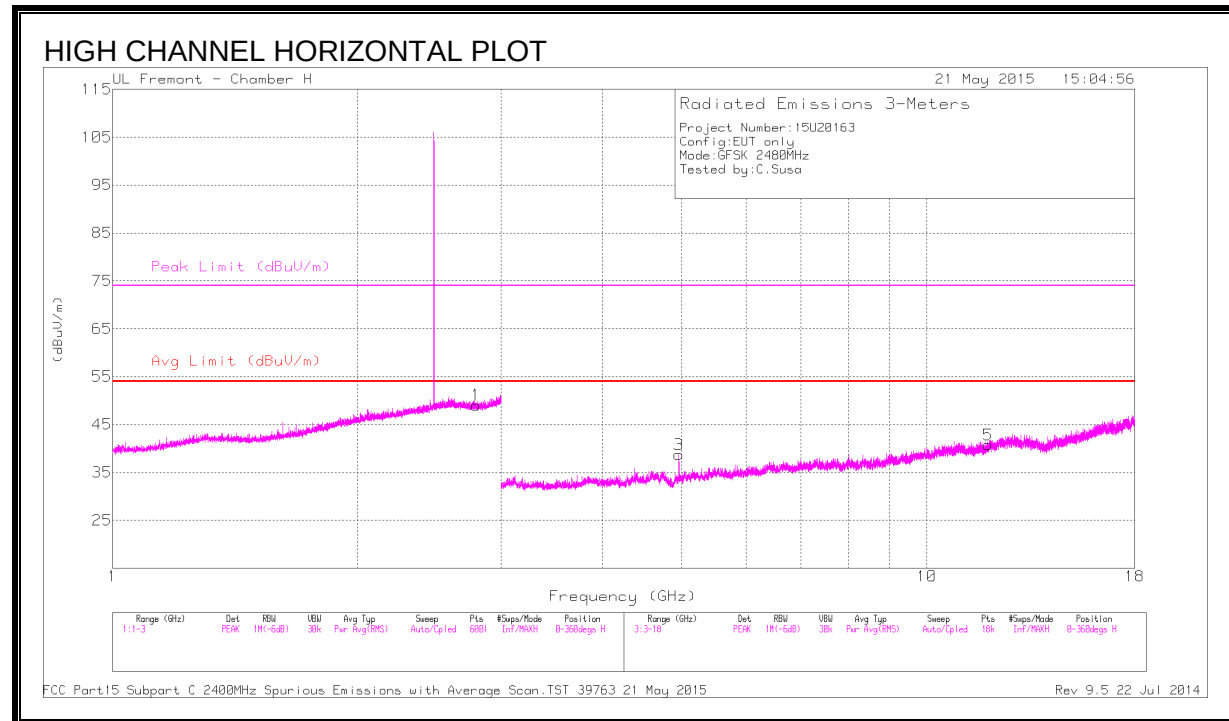
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.816	48.49	PK3	32.4	-24.3	56.59	-	-	74	-17.41	83	217	H
	* 2.818	35.57	VB10	32.4	-24.3	43.67	54	-10.33	-	-	83	217	H
2	* 2.811	48.4	PK3	32.4	-24.3	56.5	-	-	74	-17.5	220	268	V
	* 2.809	35.57	VB10	32.4	-24.3	43.67	54	-10.33	-	-	220	268	V
3	* 4.882	42.62	PK3	34.2	-32.1	44.72	-	-	74	-29.28	132	149	H
	* 4.882	35.67	VB10	34.2	-32.1	37.77	54	-16.23	-	-	132	149	H
4	* 4.882	43.76	PK3	34.2	-32.1	45.86	-	-	74	-28.14	91	224	V
	* 4.882	37.99	VB10	34.2	-32.1	40.09	54	-13.91	-	-	91	224	V
5	* 12.031	34.95	PK3	38.8	-24.9	48.85	-	-	74	-25.15	232	250	H
	* 12.031	22.85	VB10	38.8	-24.9	36.75	54	-17.25	-	-	232	250	H
6	* 12.025	35.36	PK3	38.8	-24.9	49.26	-	-	74	-24.74	344	227	V
	* 12.024	22.93	VB10	38.8	-25	36.73	54	-17.27	-	-	344	227	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/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	* 2.796	48.7	PK3	32.4	-24.3	56.8	-	-	74	-17.2	122	163	H
	* 2.796	35.6	VB10	32.4	-24.3	43.7	54	-10.3	-	-	122	163	H
2	* 2.815	48.59	PK3	32.4	-24.3	56.69	-	-	74	-17.31	237	238	V
	* 2.815	35.57	VB10	32.4	-24.3	43.67	54	-10.33	-	-	237	238	V
3	* 4.96	42.64	PK3	34.2	-31.8	45.04	-	-	74	-28.96	126	174	H
	* 4.96	34.47	VB10	34.2	-31.8	36.87	54	-17.13	-	-	126	174	H
4	* 4.96	43.7	PK3	34.2	-31.8	46.1	-	-	74	-27.9	81	261	V
	* 4.96	36.32	VB10	34.2	-31.8	38.72	54	-15.28	-	-	81	261	V
5	* 11.883	36.61	PK3	38.5	-25.8	49.31	-	-	74	-24.69	187	228	H
	* 11.882	23.47	VB10	38.5	-25.8	36.17	54	-17.83	-	-	187	228	H
6	* 11.777	35.85	PK3	38.3	-26.1	48.05	-	-	74	-25.95	275	241	V
	* 11.78	23.49	VB10	38.3	-26.1	35.69	54	-18.31	-	-	275	241	V

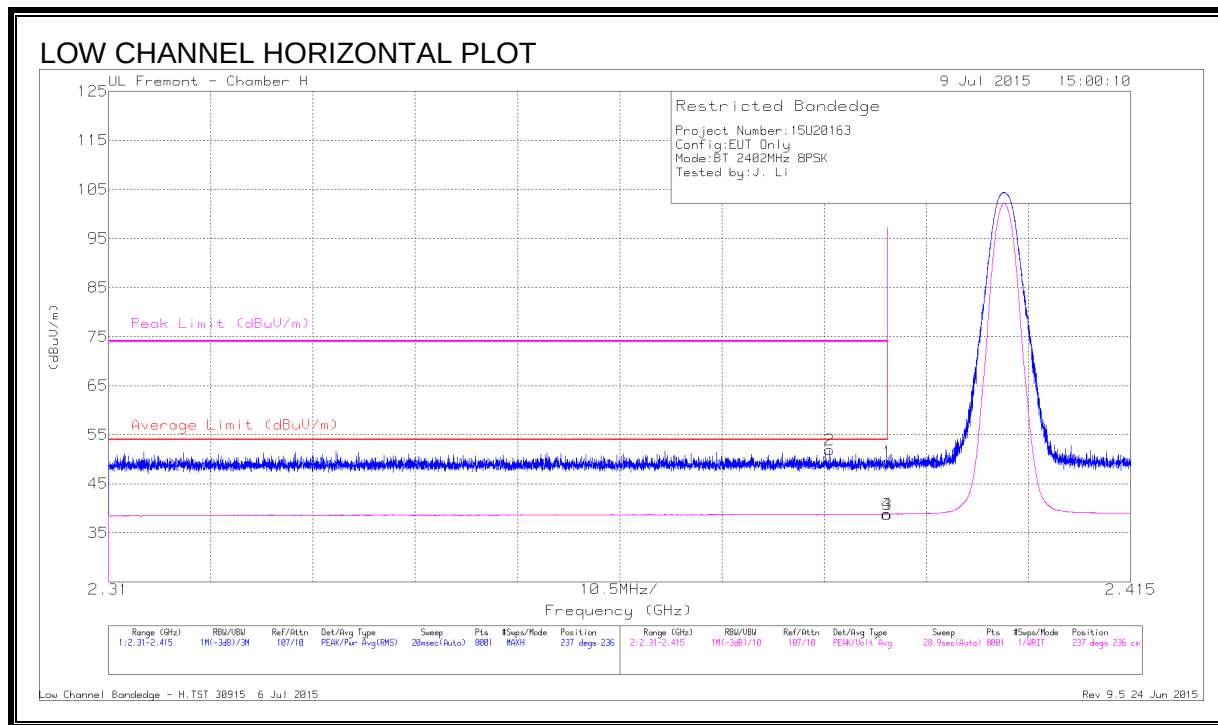
* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

10.2.4. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



DATA

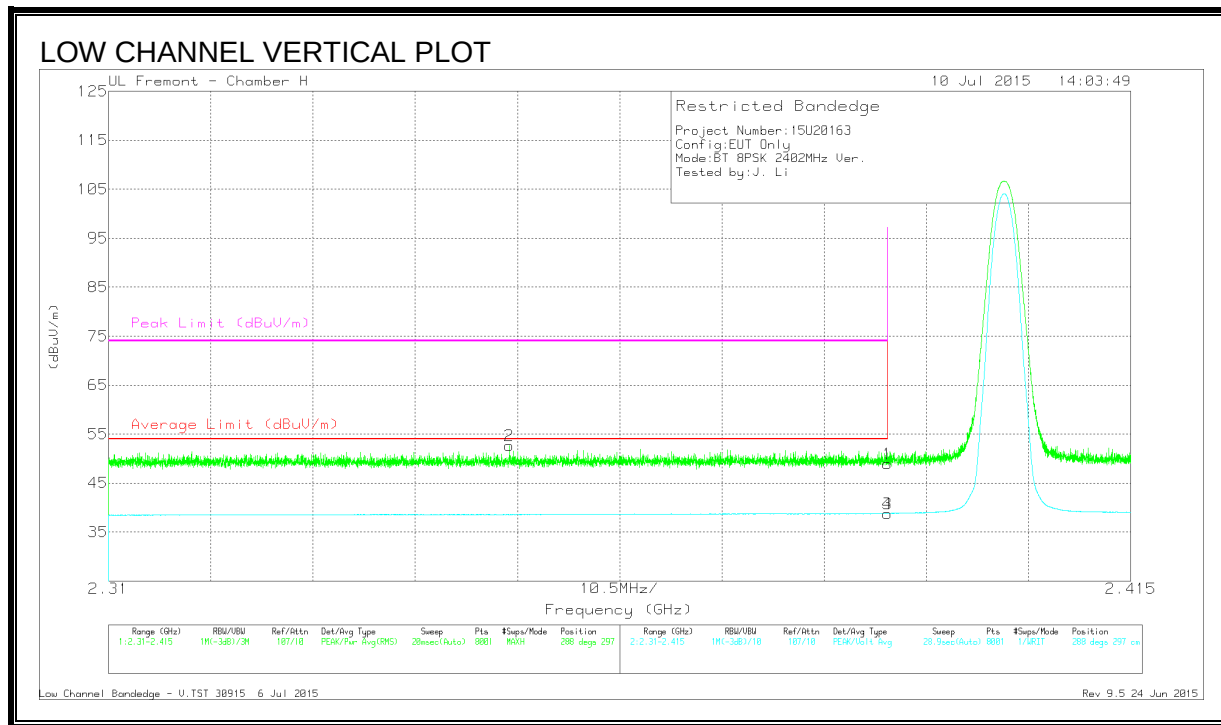
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.98	Pk	32	-23.5	49.48	-	-	74	-24.52	237	236	H
2	* 2.384	43.36	Pk	32	-23.5	51.86	-	-	74	-22.14	237	236	H
3	* 2.39	30.3	VB1T	32	-23.5	38.8	54	-15.2	-	-	237	236	H
4	* 2.39	30.31	VB1T	32	-23.5	38.81	54	-15.19	-	-	237	236	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEGE (LOW CHANNEL, VERTICAL)



DATA

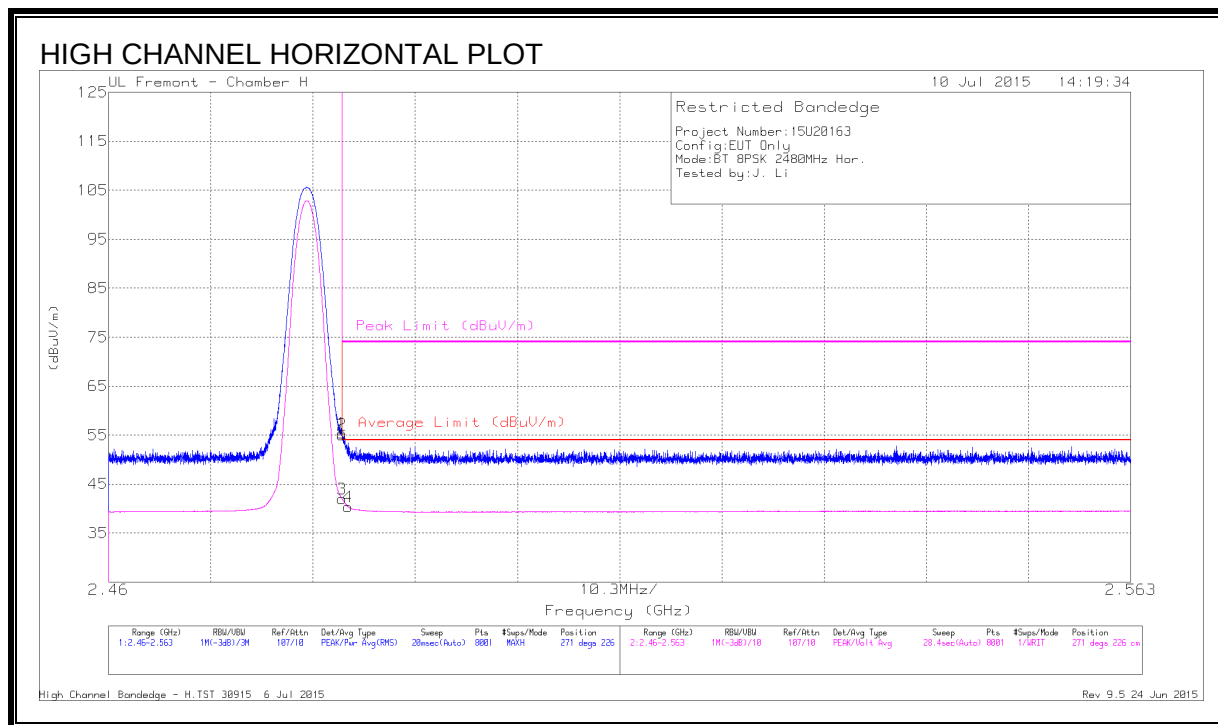
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.351	44.3	Pk	31.9	-23.5	52.7	-	-	74	-21.3	288	297	V
1	* 2.39	40.43	Pk	32	-23.5	48.93	-	-	74	-25.07	288	297	V
3	* 2.39	30.28	VB1T	32	-23.5	38.78	54	-15.22	-	-	288	297	V
4	* 2.39	30.3	VB1T	32	-23.5	38.8	54	-15.2	-	-	288	297	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



DATA

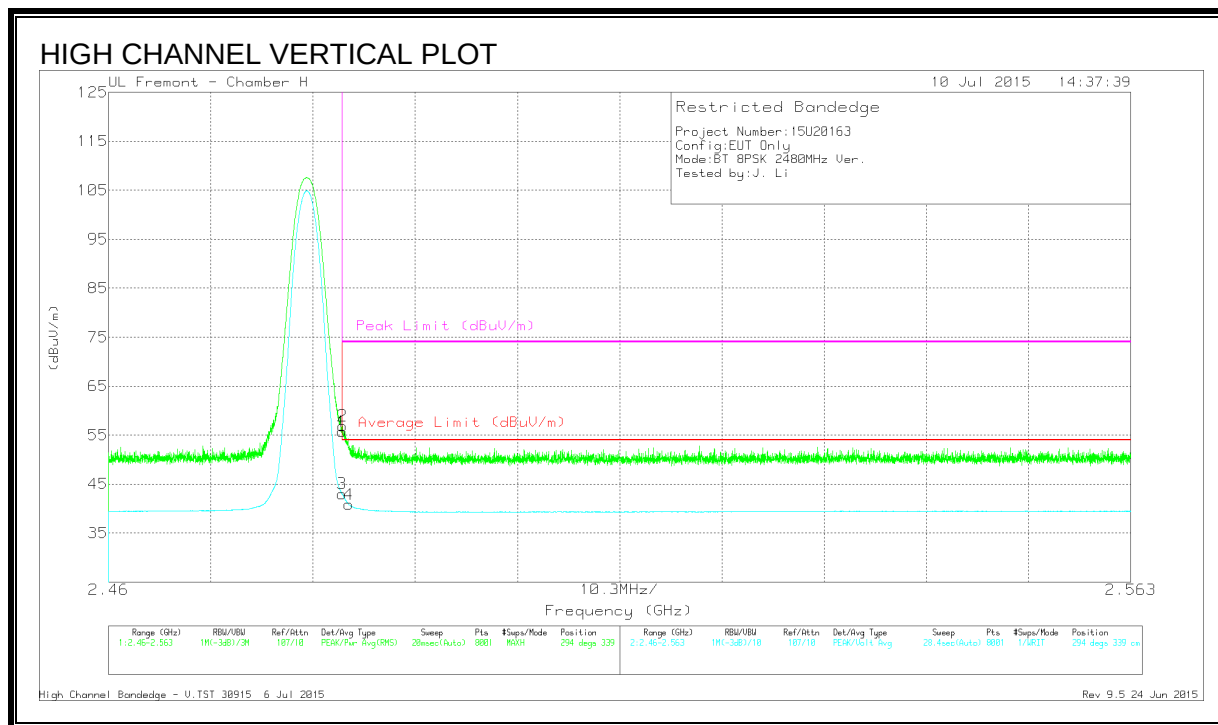
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1	* 2.484	46.34	Pk	32.4	-23.4	55.34	-	-	74	-18.66	271	226	H
2	* 2.484	46.07	Pk	32.4	-23.4	55.07	-	-	74	-18.93	271	226	H
3	* 2.484	32.98	VB1T	32.4	-23.4	41.98	54	-12.02	-	-	271	226	H
4	* 2.484	31.4	VB1T	32.4	-23.4	40.4	54	-13.6	-	-	271	226	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



DATA

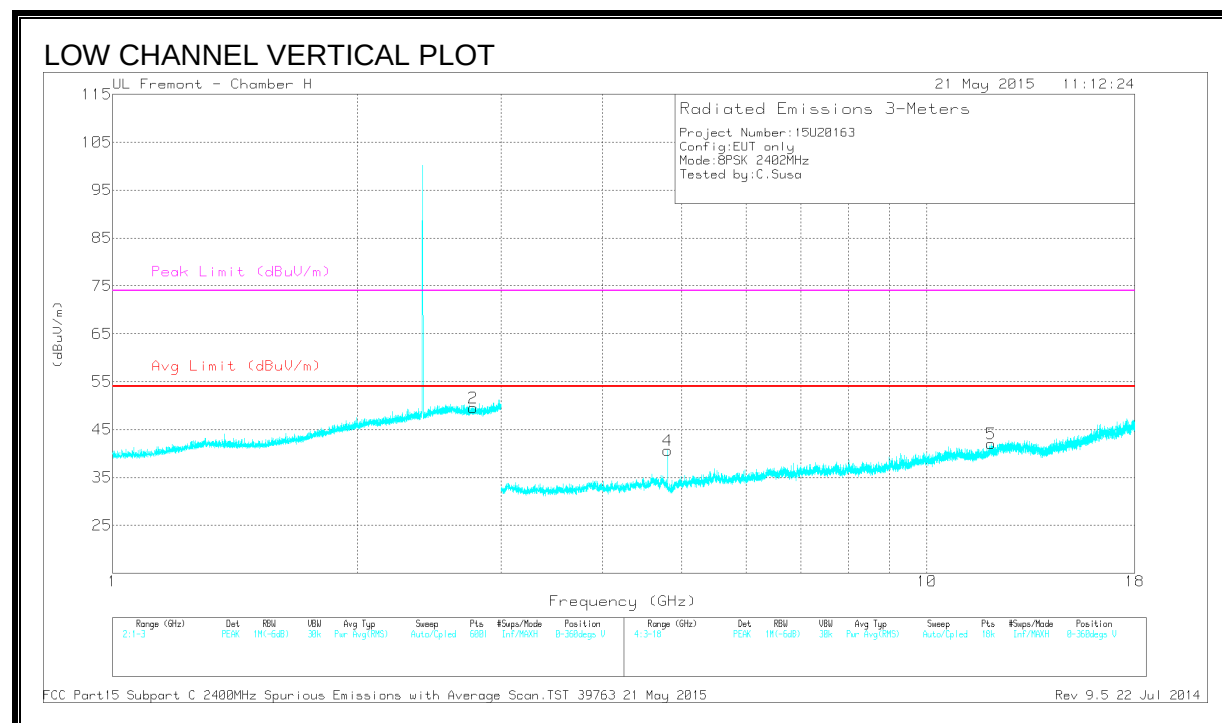
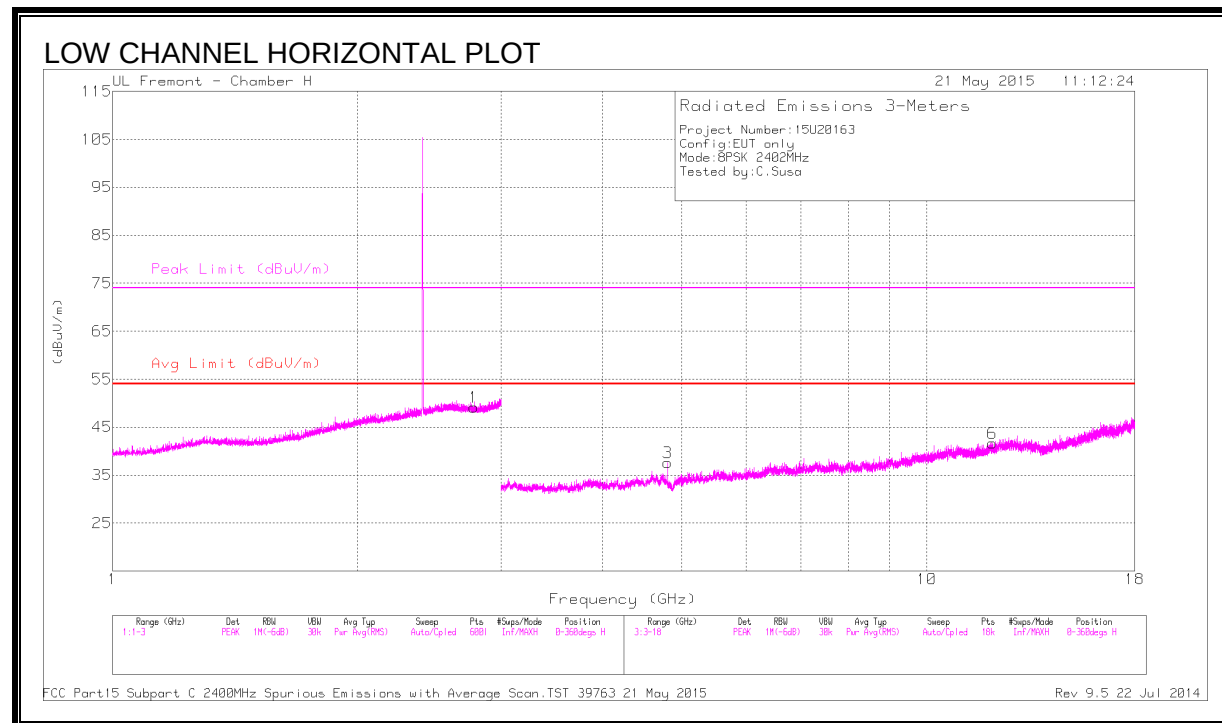
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.71	Pk	32.4	-23.4	55.71	-	-	74	-18.29	294	339	V
2	* 2.484	47.93	Pk	32.4	-23.4	56.93	-	-	74	-17.07	294	339	V
3	* 2.484	34.03	VA1T	32.4	-23.4	43.03	54	-10.97	-	-	294	339	V
4	* 2.484	31.83	VA1T	32.4	-23.4	40.83	54	-13.17	-	-	294	339	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/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	* 2.778	48.64	PK3	32.4	-24.3	56.74	-	-	74	-17.26	128	217	H
	* 2.775	35.47	VB10	32.4	-24.3	43.57	54	-10.43	-	-	128	217	H
2	* 2.773	48.45	PK3	32.4	-24.3	56.55	-	-	74	-17.45	277	258	V
	* 2.77	35.5	VB10	32.4	-24.3	43.6	54	-10.4	-	-	277	258	V
3	* 4.804	44.16	PK3	34.2	-32.5	45.86	-	-	74	-28.14	276	237	H
	* 4.804	35.41	VB10	34.2	-32.5	37.11	54	-16.89	-	-	276	237	H
4	* 4.804	46.09	PK3	34.2	-32.5	47.79	-	-	74	-26.21	94	233	V
	* 4.804	37.05	VB10	34.2	-32.5	38.75	54	-15.25	-	-	94	233	V
5	* 11.989	35.17	PK3	38.7	-25.1	48.77	-	-	74	-25.23	124	295	V
	* 11.988	22.71	VB10	38.7	-25.1	36.31	54	-17.69	-	-	124	295	V
6	* 12.023	36.47	PK3	38.8	-25	50.27	-	-	74	-23.73	87	256	H
	* 12.024	22.84	VB10	38.8	-25	36.64	54	-17.36	-	-	87	256	H

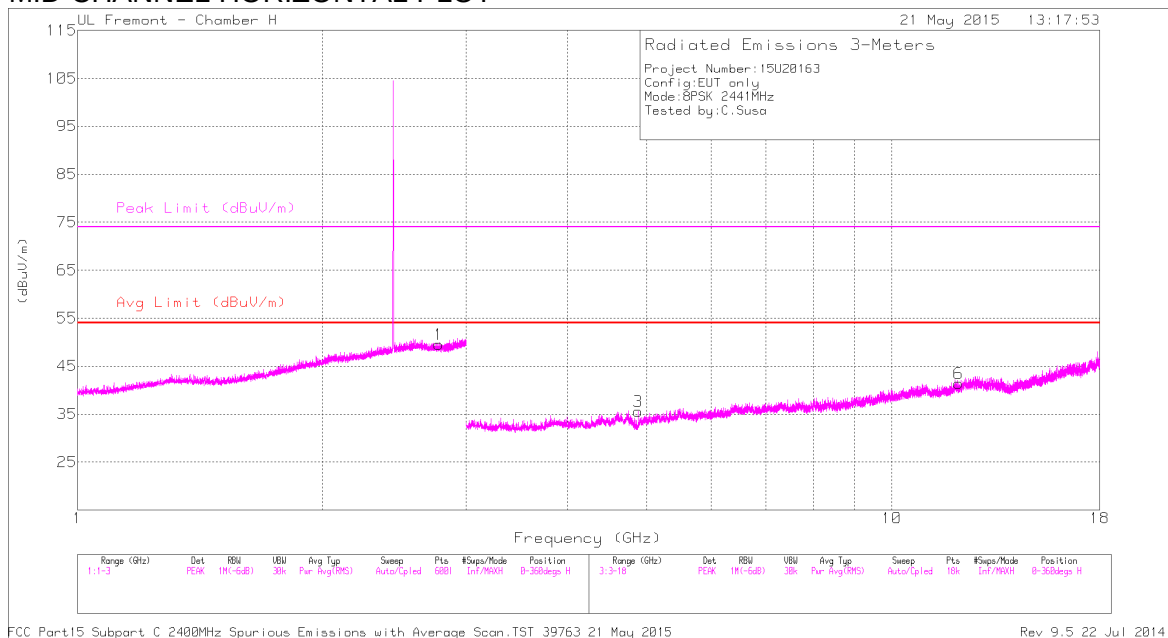
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - FHSS Method: Maximum Peak

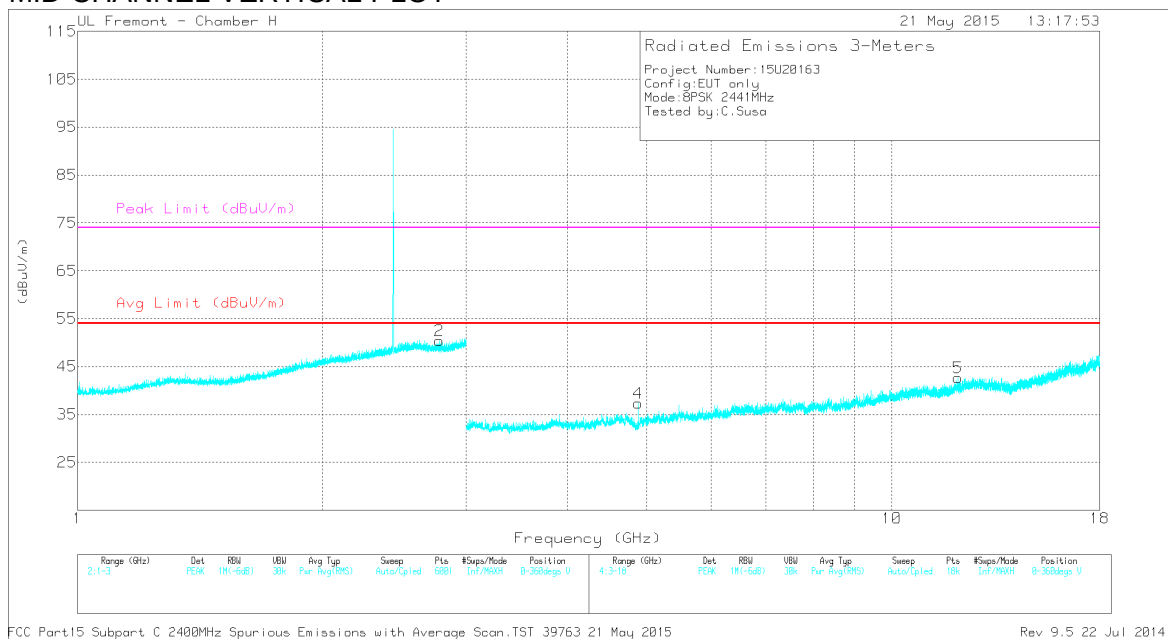
VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT



MID CHANNEL VERTICAL PLOT



DATA

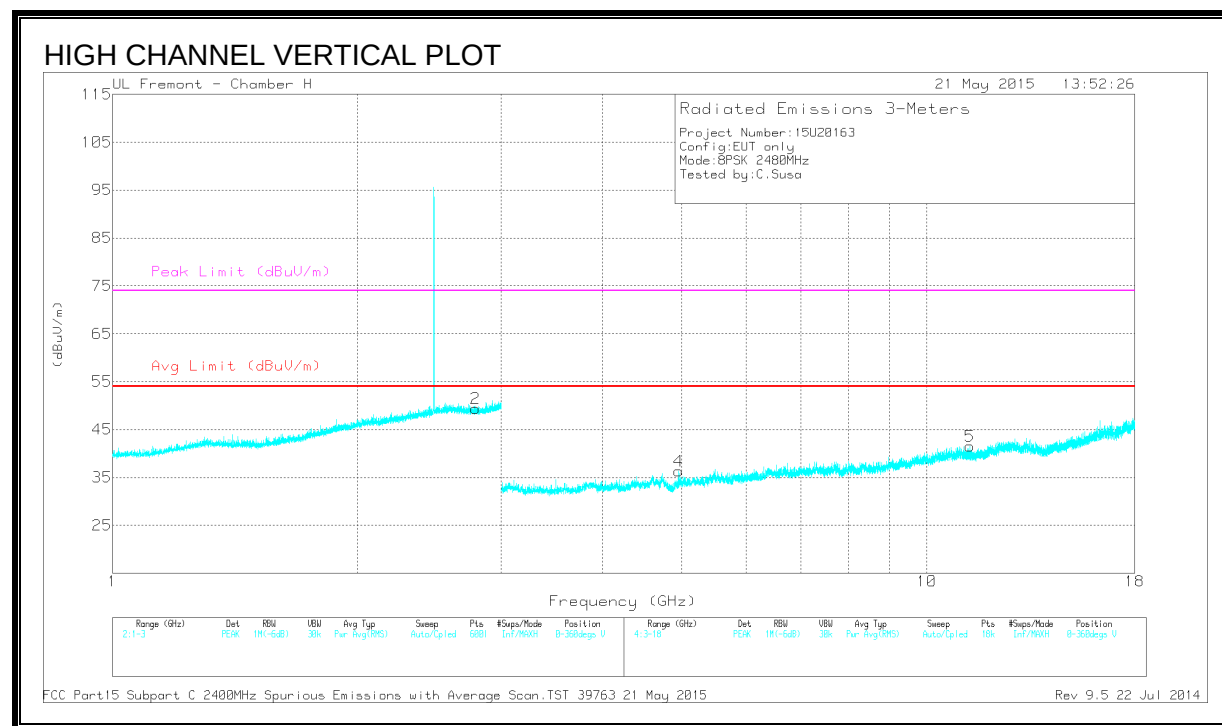
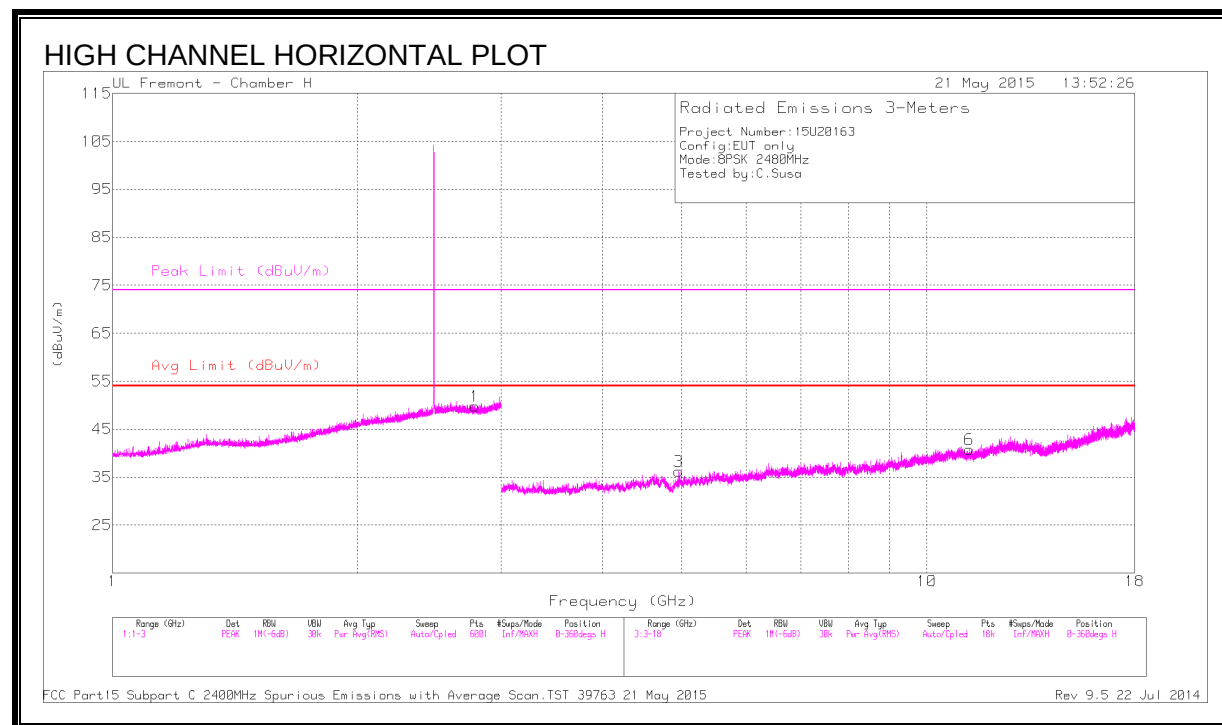
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.774	48.36	PK3	32.4	-24.3	56.46	-	-	74	-17.54	195	167	H
	* 2.776	35.47	VB10	32.4	-24.3	43.57	54	-10.43	-	-	195	167	H
2	* 2.78	48.63	PK3	32.4	-24.3	56.73	-	-	74	-17.27	265	223	V
	* 2.779	35.48	VB10	32.4	-24.3	43.58	54	-10.42	-	-	265	223	V
3	* 4.882	41.52	PK3	34.2	-32.1	43.62	-	-	74	-30.38	135	104	H
	* 4.882	31.95	VB10	34.2	-32.1	34.05	54	-19.95	-	-	135	104	H
4	* 4.882	42.25	PK3	34.2	-32.1	44.35	-	-	74	-29.65	90	248	V
	* 4.882	33.9	VB10	34.2	-32.1	36	54	-18	-	-	90	248	V
5	* 12.057	34.96	PK3	38.8	-25.4	48.36	-	-	74	-25.64	166	218	V
	* 12.055	22.71	VB10	38.8	-25.4	36.11	54	-17.89	-	-	166	218	V
6	* 12.082	36.07	PK3	38.9	-25.7	49.27	-	-	74	-24.73	258	181	H
	* 12.083	23.03	VB10	38.9	-25.7	36.23	54	-17.77	-	-	258	181	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/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	* 2.785	48.55	PK3	32.4	-24.3	56.65	-	-	74	-17.35	217	190	H
	* 2.785	35.64	VB10	32.4	-24.3	43.74	54	-10.26	-	-	217	190	H
2	* 2.789	48.61	PK3	32.4	-24.3	56.71	-	-	74	-17.29	101	167	V
	* 2.791	35.65	VB10	32.4	-24.3	43.75	54	-10.25	-	-	101	167	V
3	* 4.96	41.57	PK3	34.2	-31.8	43.97	-	-	74	-30.03	316	175	H
	* 4.96	31.06	VB10	34.2	-31.8	33.46	54	-20.54	-	-	316	175	H
4	* 4.96	43.09	PK3	34.2	-31.8	45.49	-	-	74	-28.51	257	235	V
	* 4.96	33.44	VB10	34.2	-31.8	35.84	54	-18.16	-	-	257	235	V
5	* 11.282	35.68	PK3	37.8	-25.1	48.38	-	-	74	-25.62	315	194	V
	* 11.282	22.87	VB10	37.8	-25.1	35.57	54	-18.43	-	-	315	194	V
6	* 11.281	35.69	PK3	37.8	-25.1	48.39	-	-	74	-25.61	265	274	H
	* 11.278	22.87	VB10	37.8	-25.1	35.57	54	-18.43	-	-	265	274	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

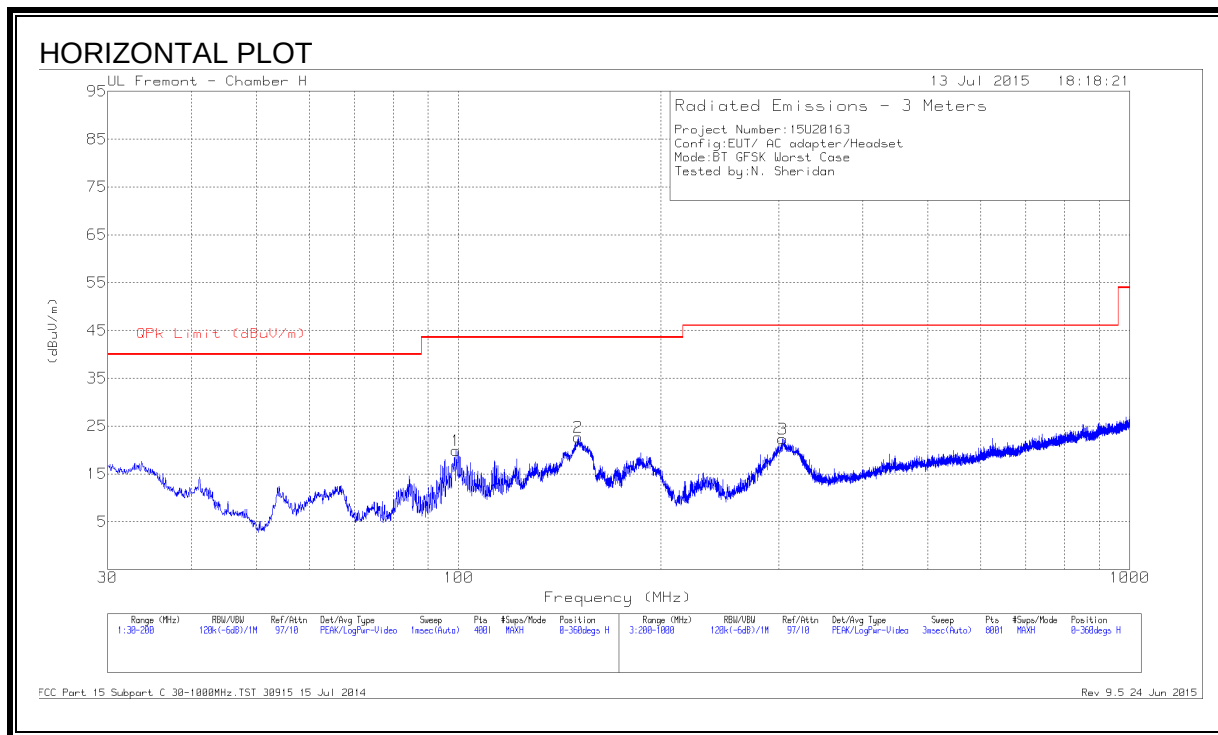
PK3 - FHSS Method: Maximum Peak

VB10Hz - FHSS Method: 10Hz Video Bandwidth

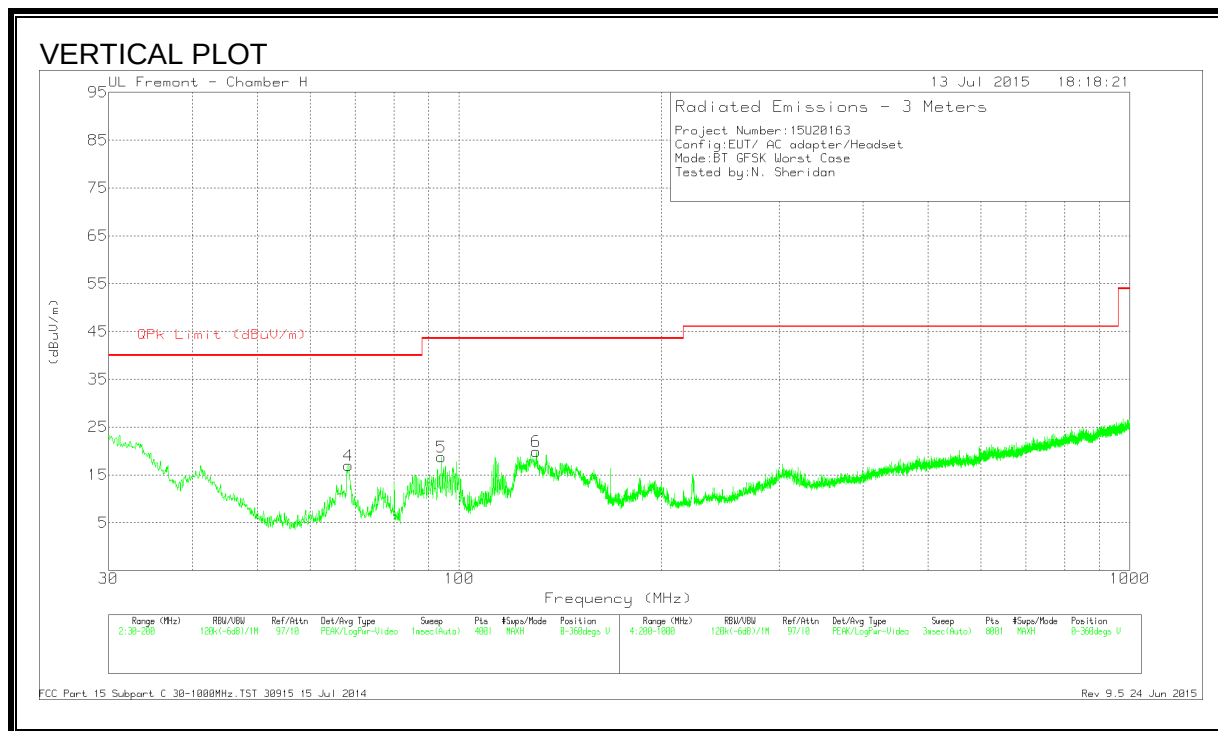
10.3. WORST-CASE BELOW 1 GHz

10.3.1. HIGH POWER

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



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



DATA

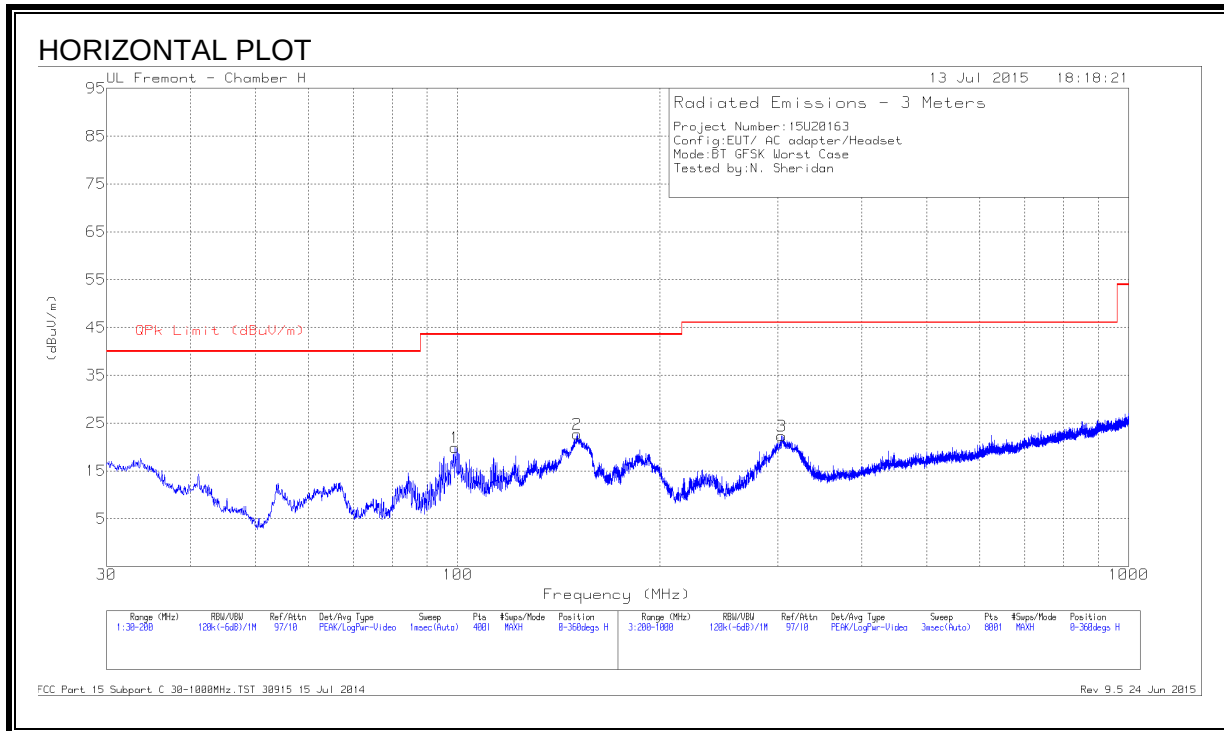
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 130.3	36.33	Pk	13.8	-30.2	19.93	43.52	-23.59	0-360	100	V
4	68.3563	39.36	Pk	8.5	-30.9	16.96	40	-23.04	0-360	100	V
5	94.09	40.51	Pk	8.7	-30.5	18.71	43.52	-24.81	0-360	100	V
1	99.105	40.46	Pk	9.9	-30.5	19.86	43.52	-23.66	0-360	301	H
2	150.615	40.33	Pk	12.4	-30.1	22.63	43.52	-20.89	0-360	202	H
3	304.1	37.95	Pk	13.4	-29	22.35	46.02	-23.67	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

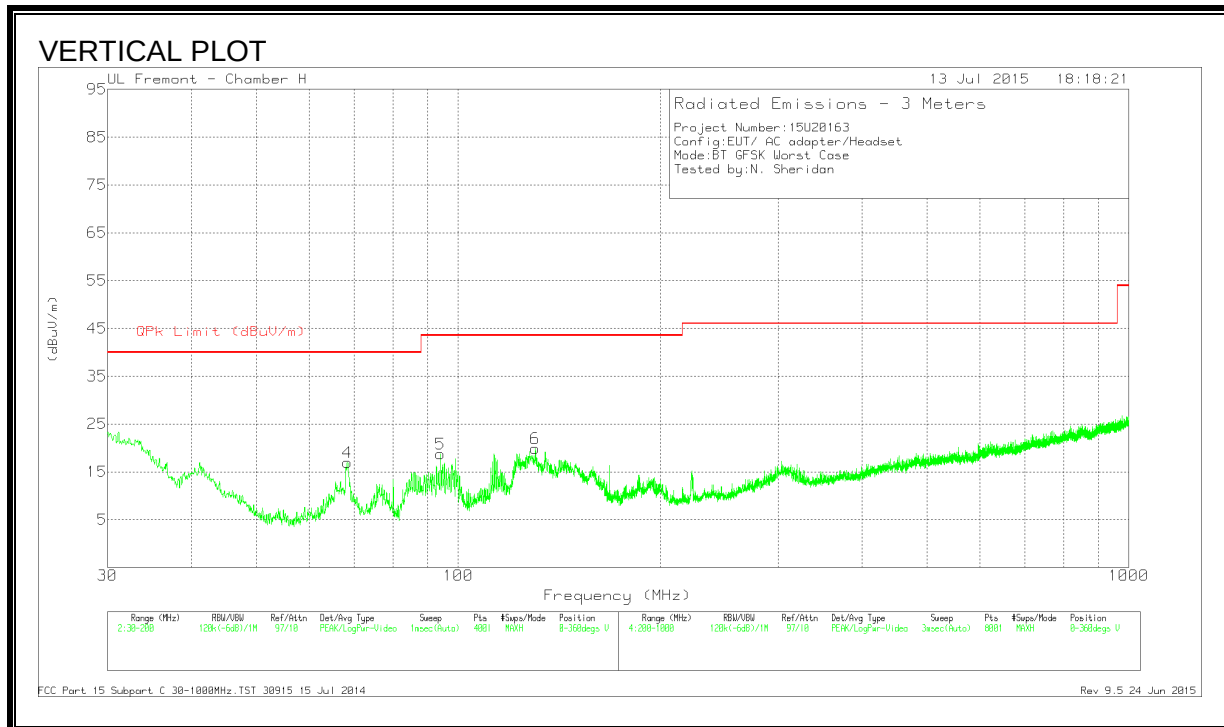
PK - Peak detector

10.3.2. LOW POWER

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



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



DATA

Trace Markers

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
6	* 130.3	36.33	Pk	13.8	-30.2	19.93	43.52	-23.59	0-360	100	V
4	68.3563	39.36	Pk	8.5	-30.9	16.96	40	-23.04	0-360	100	V
5	94.09	40.51	Pk	8.7	-30.5	18.71	43.52	-24.81	0-360	100	V
1	99.105	40.46	Pk	9.9	-30.5	19.86	43.52	-23.66	0-360	301	H
2	150.615	40.33	Pk	12.4	-30.1	22.63	43.52	-20.89	0-360	202	H
3	304.1	37.95	Pk	13.4	-29	22.35	46.02	-23.67	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

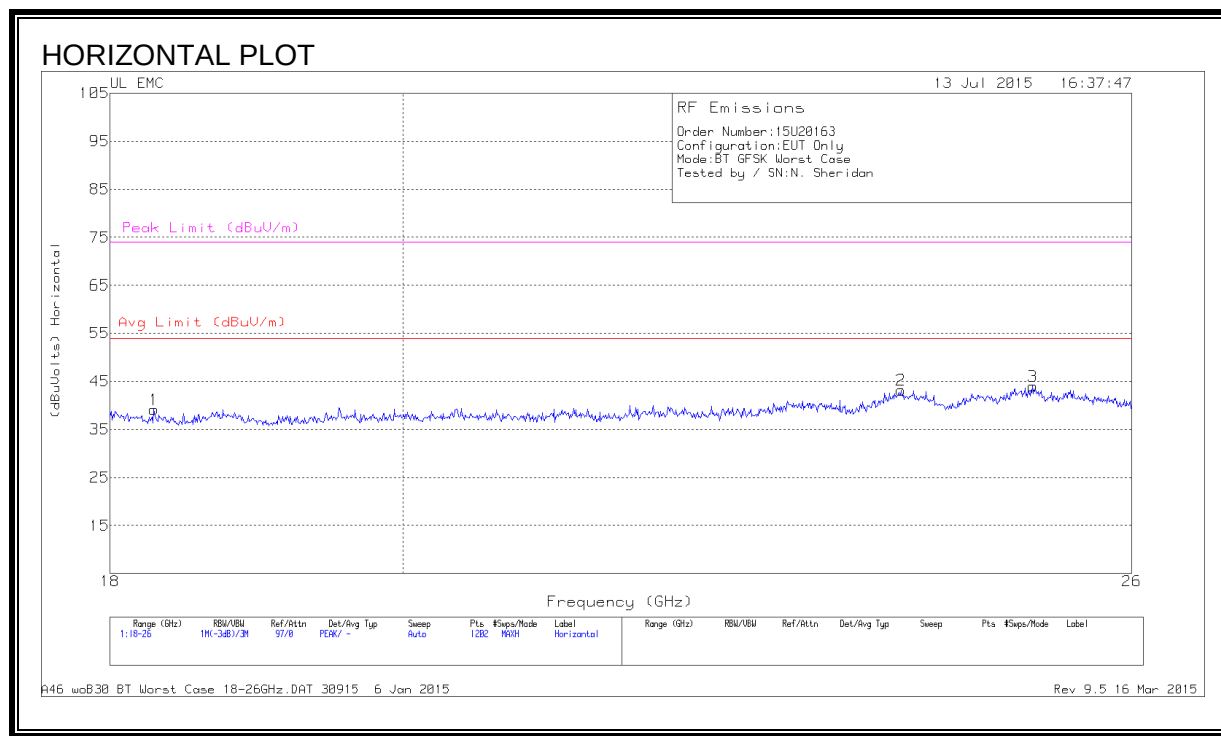
FCC Part 15 Subpart C 30-1000MHz.TST 30915 15 Jul 2014

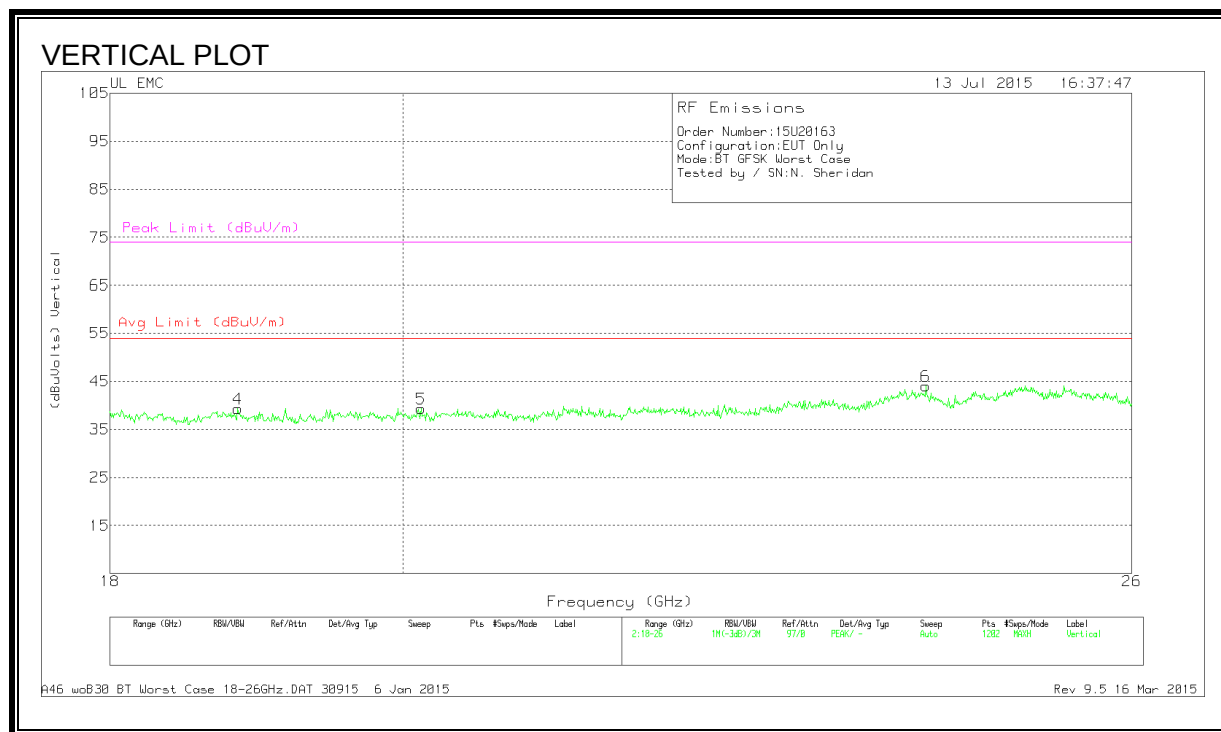
Rev 9.5 24 Jun 2015

10.4. WORST-CASE ABOVE 18 GHz

10.4.1. HIGH POWER

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





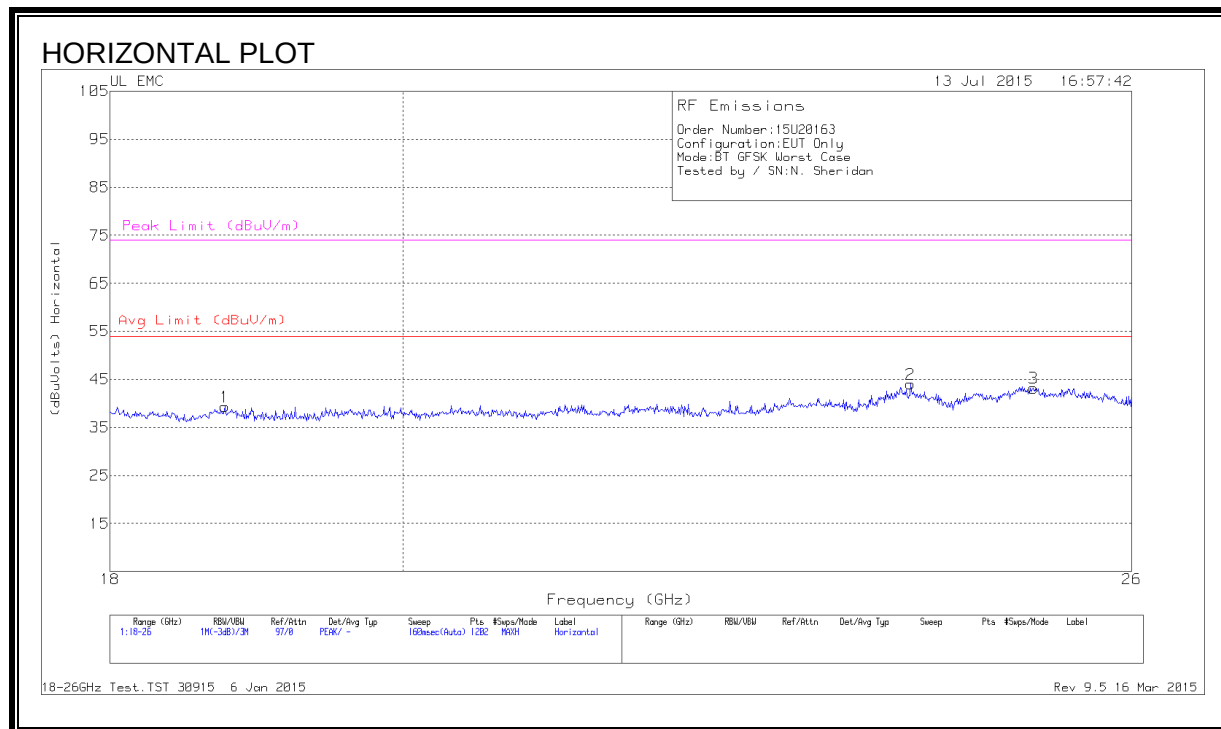
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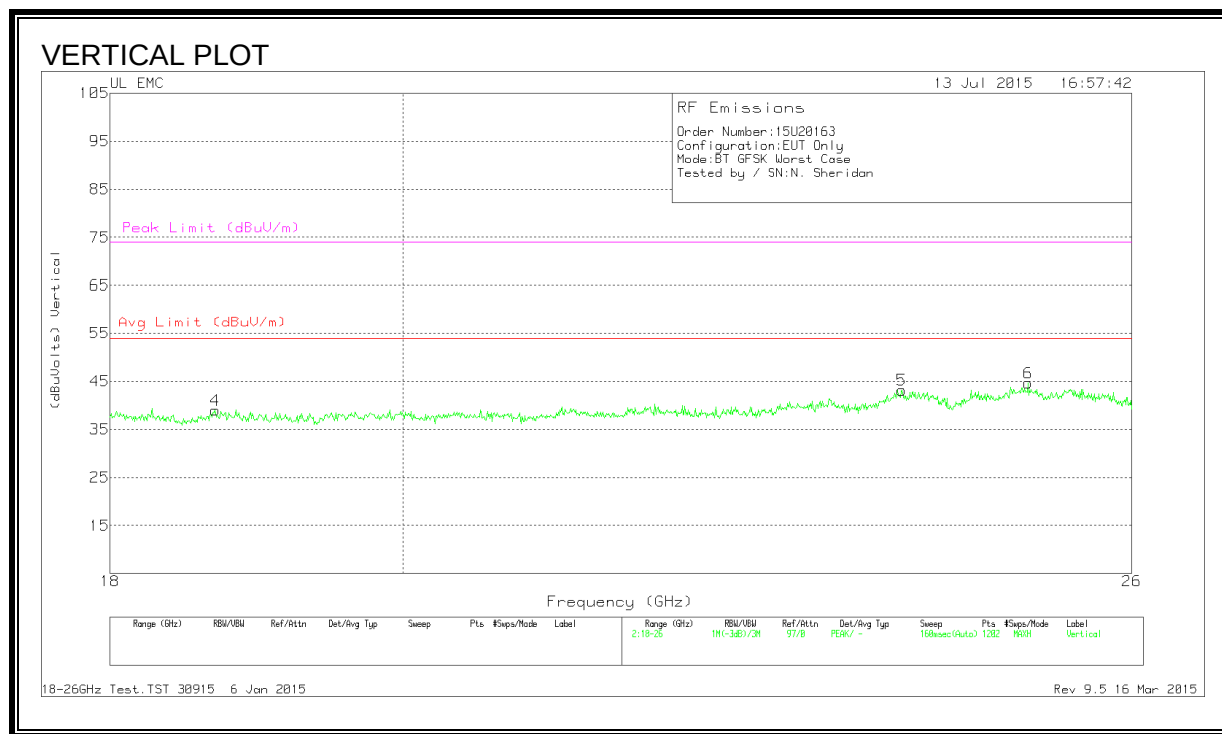
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T89 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	18.286	41.57	Pk	32.4	-25.3	-9.5	39.17	54	-14.83	74	-34.83
2	23.928	43.27	Pk	33.4	-24	-9.5	43.17	54	-10.83	74	-30.83
3	25.087	44	Pk	34	-24.5	-9.5	44	54	-10	74	-30
4	18.846	41.53	Pk	32.4	-25.1	-9.5	39.33	54	-14.67	74	-34.67
5	20.132	41.33	Pk	32.8	-25.3	-9.5	39.33	54	-14.67	74	-34.67
6	24.142	44.4	Pk	33.4	-24.3	-9.5	44	54	-10	74	-30

Pk - Peak detector

10.4.2. LOW POWER

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





Data

Marker	Frequency (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	18.759	41.03	Pk	32.5	-24.7	-9.5	39.33	54	-14.67	74	-34.67
2	24.008	44.7	Pk	33.2	-24.4	-9.5	44	54	-10	74	-30
3	25.094	43.27	Pk	33.9	-24.5	-9.5	43.17	54	-10.83	74	-30.83
4	18.693	40.2	Pk	32.5	-24.2	-9.5	39	54	-15	74	-35
5	23.935	43.37	Pk	33.4	-24.1	-9.5	43.17	54	-10.83	74	-30.83
6	25.047	44.77	Pk	34.1	-24.7	-9.5	44.67	54	-9.33	74	-29.33

Pk - Peak detector

11. 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: 2013.

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

11.1. EUT powered by AC/DC adapter via USB cable

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
1	.159	49.38	Pk	1.3	0	50.68	65.52	-14.84		
2	.1635	35.34	Av	1.2	0	36.54	-	-	55.28	-18.74
3	.321	41.17	Pk	.5	0	41.67	59.68	-18.01		
4	.321	25.01	Av	.5	0	25.51	-	-	49.68	-24.17
5	.393	40.97	Pk	.4	0	41.37	58	-16.63		
6	.402	23.37	Av	.4	0	23.77	-	-	47.81	-24.04
7	.5595	38.82	Pk	.3	0	39.12	56	-16.88		
8	.564	21.17	Av	.3	0	21.47	-	-	46	-24.53
9	17.853	36.34	Pk	.3	.2	36.84	60	-23.16		
10	17.8395	22.6	Av	.3	.2	23.1	-	-	50	-26.9

Pk - Peak detector

Av - Average detection

Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
11	.159	48.94	Pk	1.4	0	50.34	65.52	-15.18		
12	.1635	34.89	Av	1.3	0	36.19	-	-	55.28	-19.09
13	.3255	41.45	Pk	.5	0	41.95	59.57	-17.62		
14	.321	25.61	Av	.6	0	26.21	-	-	49.68	-23.47
15	.4065	40.96	Pk	.4	0	41.36	57.72	-16.36		
16	.402	23.38	Av	.4	0	23.78	-	-	47.81	-24.03
17	.5595	39.13	Pk	.3	0	39.43	56	-16.57		
18	.5595	22.48	Av	.3	0	22.78	-	-	46	-23.22
19	17.574	34.74	Pk	.3	.2	35.24	60	-24.76		
20	17.583	23.45	Av	.3	.2	23.95	-	-	50	-26.05

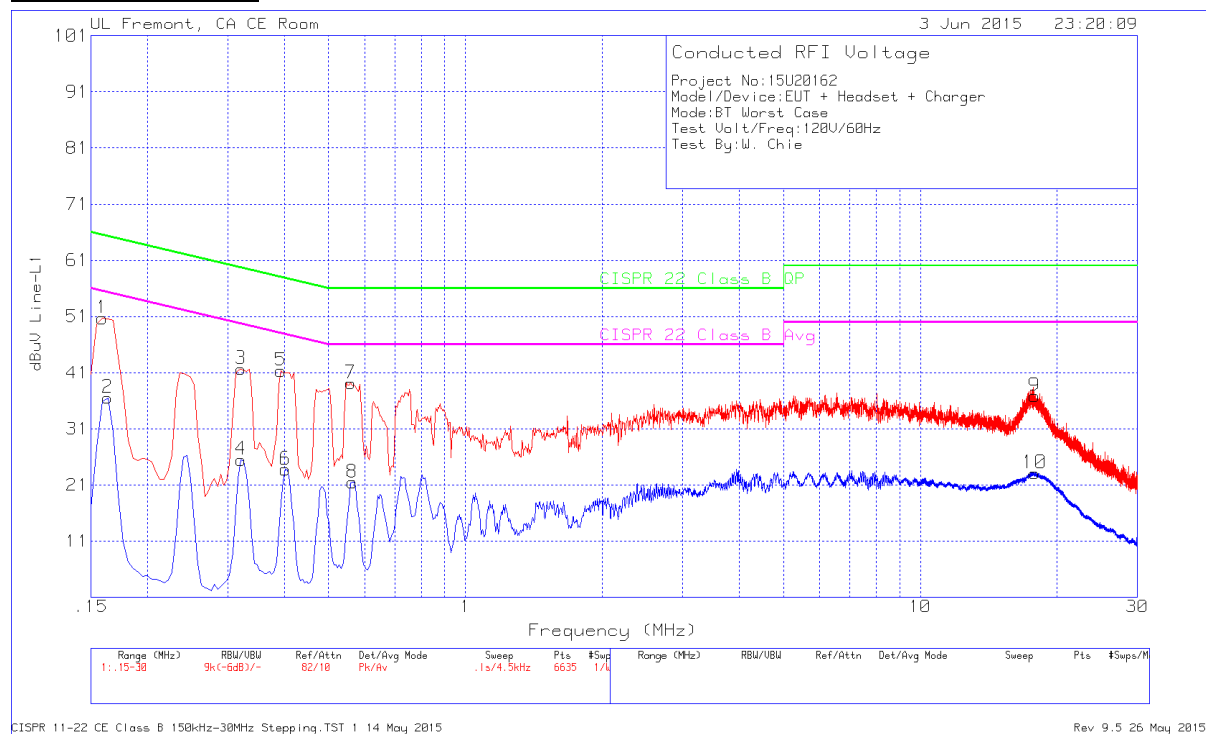
Pk - Peak detector

Av - Average detection

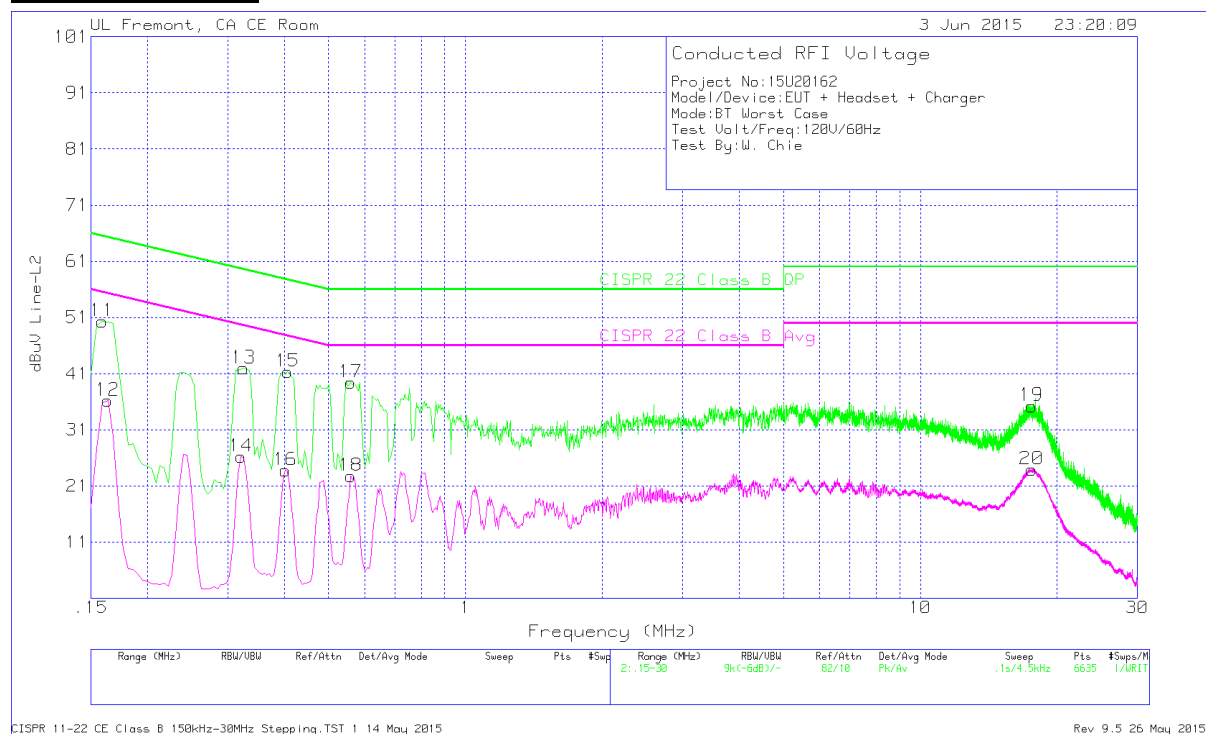
CISPR 11-22 CE Class B 150kHz-30MHz Stepping.TST 1 14 May 2015

Rev 9.5 26 May 2015

Line-L1 .15 - 30MHz



Line-L2 .15 - 30MHz



11.2. EUT powered by host PC via USB cable

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
1	.501	40.89	Pk	.3	0	41.19	56	-14.81	-	-
2	.4965	32.04	Av	.3	0	32.34	-	-	46.06	-13.72
3	2.706	42.55	Pk	.2	.1	42.85	56	-13.15	-	-
4	2.715	31.61	Av	.2	.1	31.91	-	-	46	-14.09
5	9.9825	42.33	Pk	.2	.2	42.73	60	-17.27	-	-
6	9.9915	28.7	Av	.2	.2	29.1	-	-	50	-20.9

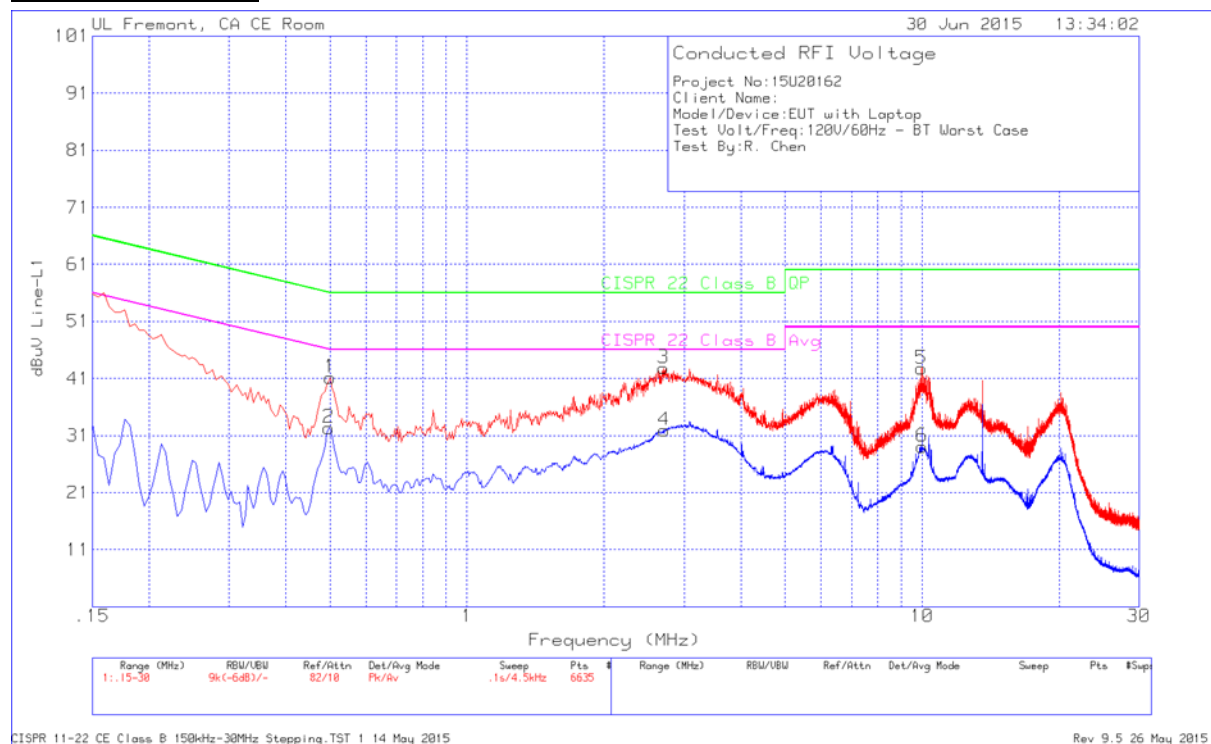
Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
7	.528	37.74	Pk	.3	0	38.04	56	-17.96	-	-
8	.519	29.87	Av	.4	0	30.27	-	-	46	-15.73
9	2.7465	41.74	Pk	.2	.1	42.04	56	-13.96	-	-
10	2.751	31.48	Av	.2	.1	31.78	-	-	46	-14.22
11	13.56	39.46	Pk	.2	.2	39.86	60	-20.14	-	-
12	13.56	36.82	Av	.2	.2	37.22	-	-	50	-12.78

Pk - Peak detector

Av - Average detection

Line-L1 .15 - 30MHz



Line-L2 .15 - 30MHz

