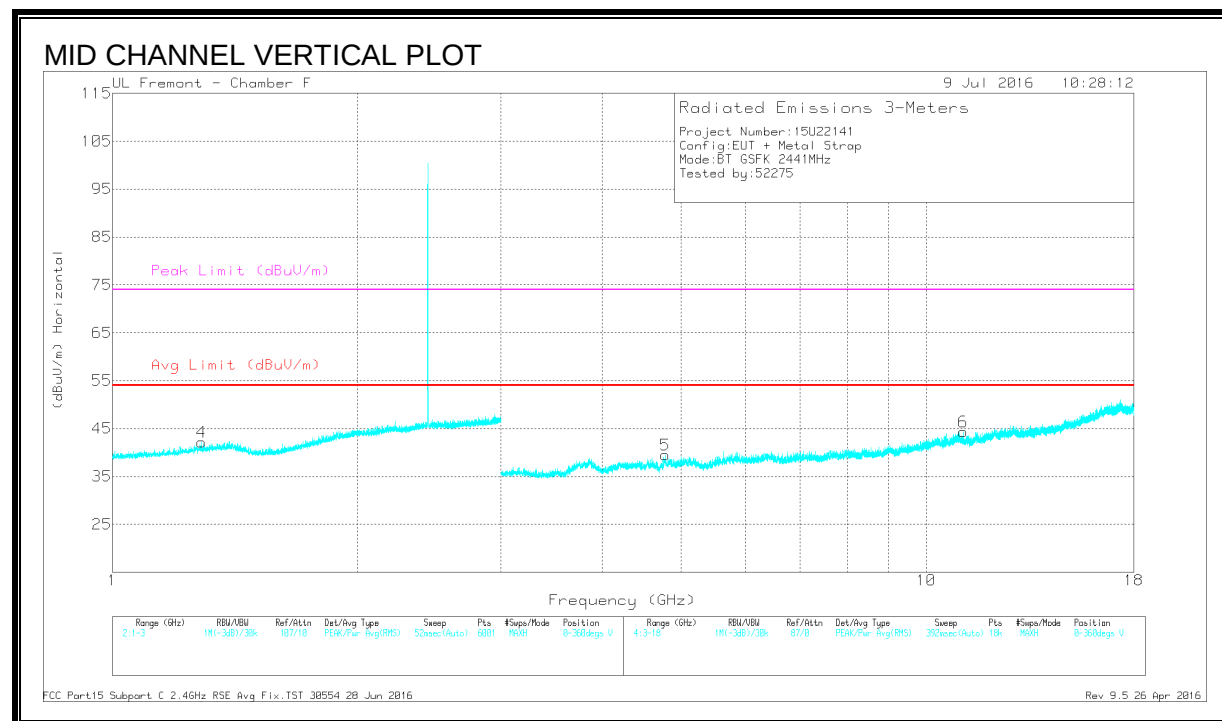
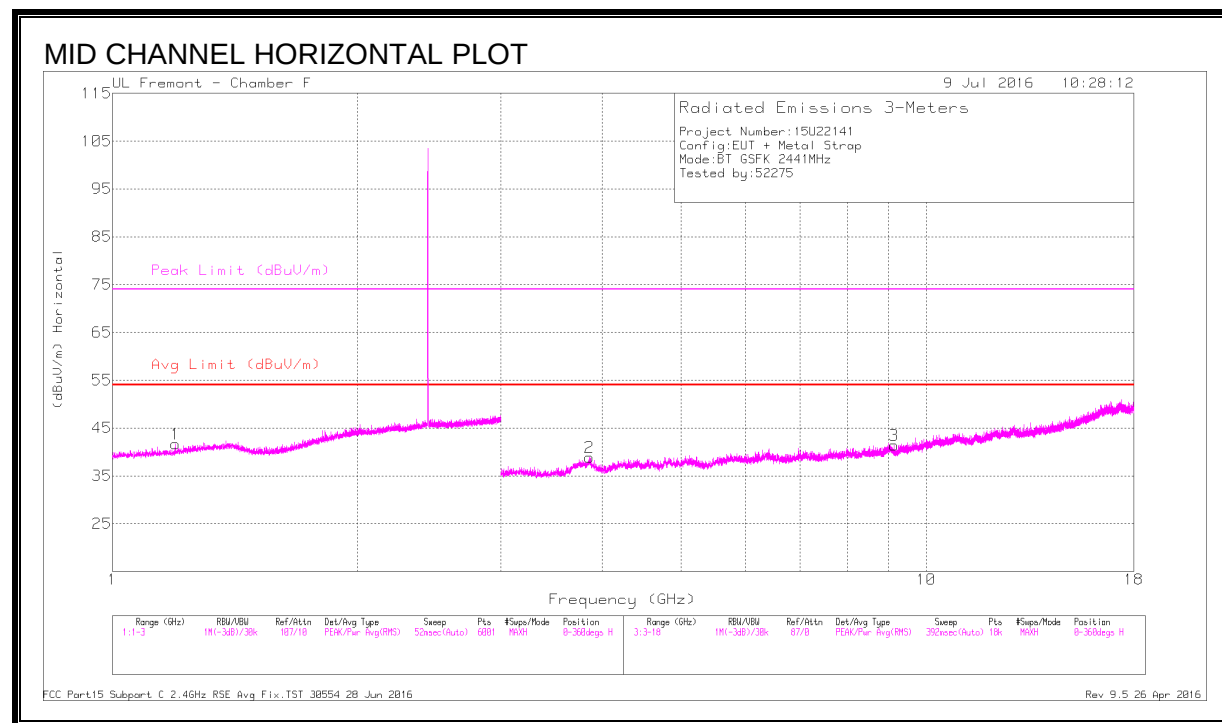


HARMONICS AND SPURIOUS EMISSIONS



DATA

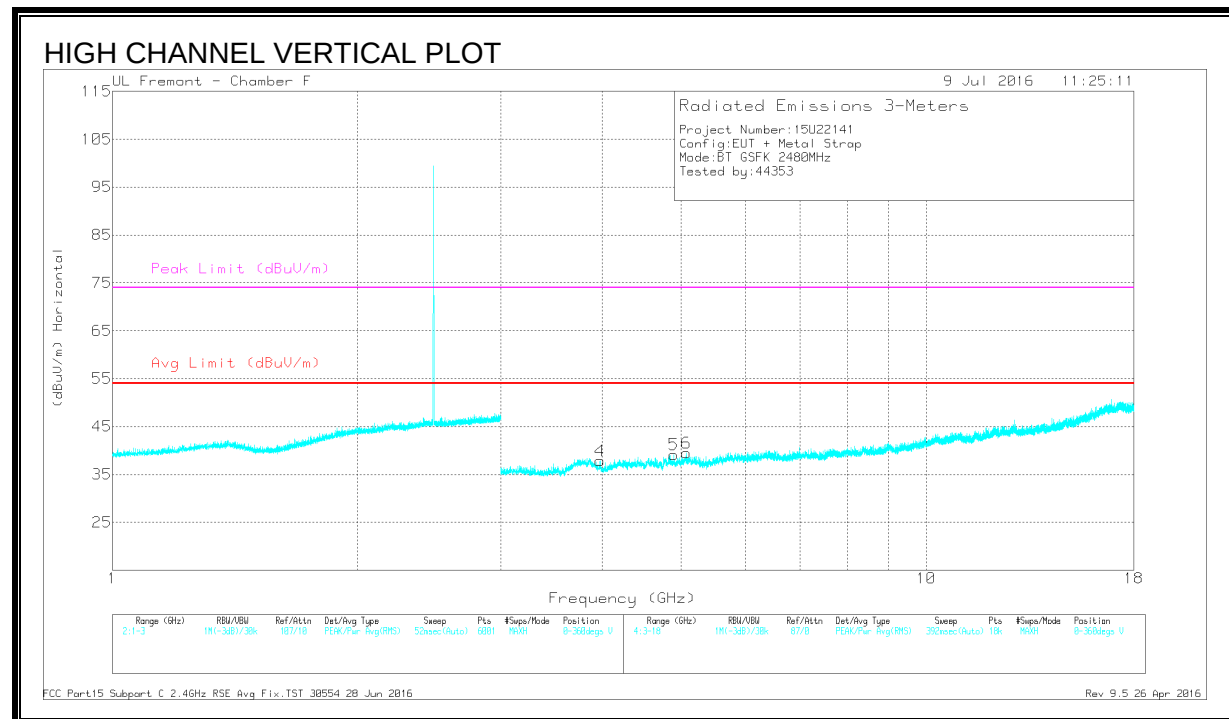
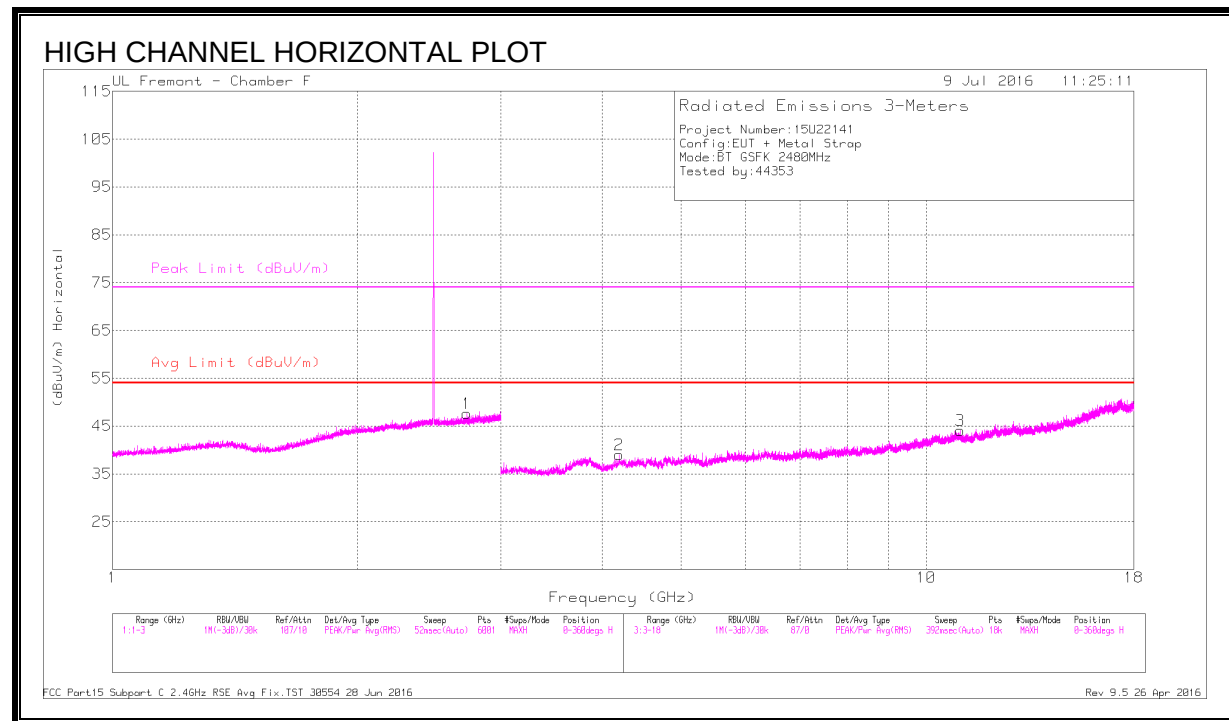
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.195	41.11	PKFH	28.3	-22.5	46.91	-	-	74	-27.09	320	131	H
	* 1.194	29.49	VA1T	28.3	-22.5	35.29	54	-18.71	-	-	320	131	H
4	* 1.286	40.94	PKFH	28.9	-22.2	47.64	-	-	74	-26.36	59	131	V
	* 1.285	29.36	VA1T	28.9	-22.2	36.06	54	-17.94	-	-	59	131	V
2	* 3.855	38.42	PKFH	33.4	-28.2	43.62	-	-	74	-30.38	240	120	H
	* 3.856	26.6	VA1T	33.4	-28.2	31.8	54	-22.2	-	-	240	120	H
3	* 9.125	33.69	PKFH	36.2	-23.3	46.59	-	-	74	-27.41	209	280	H
	* 9.126	22.5	VA1T	36.2	-23.4	35.3	54	-18.7	-	-	209	280	H
5	* 4.779	37.71	PKFH	34	-27.8	43.91	-	-	74	-30.09	8	301	V
	* 4.776	26.55	VA1T	34	-27.8	32.75	54	-21.25	-	-	8	301	V
6	* 11.101	33.05	PKFH	37.9	-22	48.95	-	-	74	-25.05	201	362	V
	* 11.1	21.86	VA1T	37.9	-22	37.76	54	-16.24	-	-	201	362	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	* 2.727	40.86	PKFH	32.4	-20.6	52.66	-	-	74	-21.34	78	112	H
	* 2.726	29.15	VA1T	32.4	-20.6	40.95	54	-13.05	-	-	78	112	H
2	* 4.194	37.77	PKFH	33.7	-28.1	43.37	-	-	74	-30.63	192	242	H
	* 4.193	26.17	VA1T	33.7	-28.1	31.77	54	-22.23	-	-	192	242	H
3	* 11.02	33.19	PKFH	37.9	-21.9	49.19	-	-	74	-24.81	125	150	H
	* 11.019	21.79	VA1T	37.9	-21.8	37.89	54	-16.11	-	-	125	150	H
4	* 3.975	37.86	PKFH	33.3	-28.9	42.26	-	-	74	-31.74	89	264	V
	* 3.974	26.44	VA1T	33.3	-28.9	30.84	54	-23.16	-	-	89	264	V
5	* 4.898	37.02	PKFH	34.1	-28	43.12	-	-	74	-30.88	70	286	V
	* 4.897	25.92	VA1T	34.1	-28	32.02	54	-21.98	-	-	70	286	V
6	* 5.072	38.16	PKFH	34.1	-27.6	44.66	-	-	74	-29.34	296	322	V
	* 5.072	25.79	VA1T	34.1	-27.6	32.29	54	-21.71	-	-	296	322	V

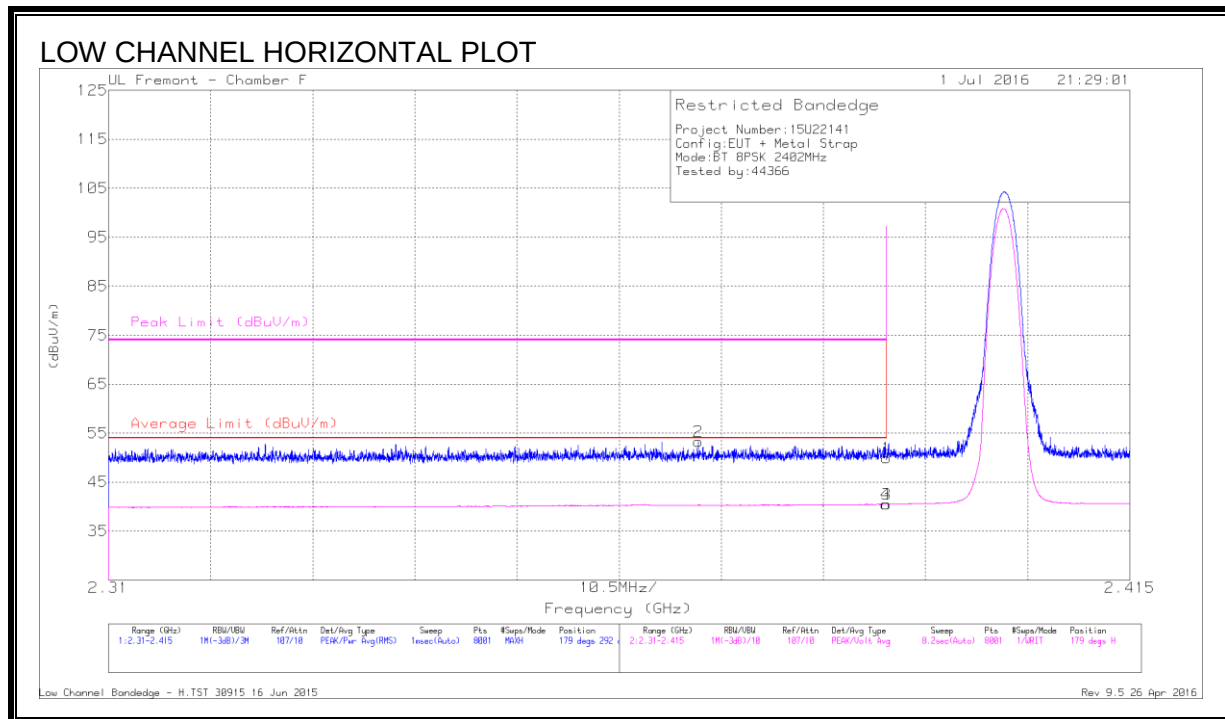
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

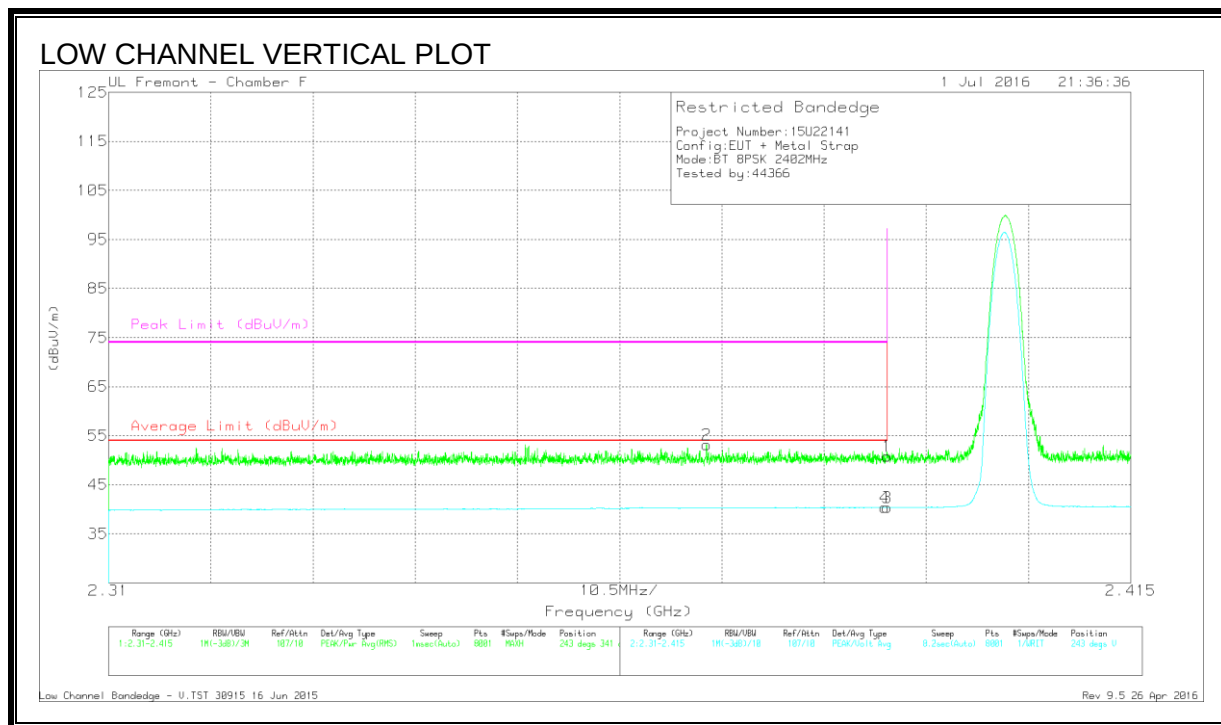
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.77	Pk	32.1	-20.9	49.97	-	-	74	-24.03	179	292	H
2	* 2.371	42.2	Pk	32	-20.9	53.3	-	-	74	-20.7	179	292	H
3	* 2.39	29.26	VA1T	32.1	-20.9	40.46	54	-13.54	-	-	179	292	H
4	* 2.39	29.27	VA1T	32.1	-20.9	40.47	54	-13.53	-	-	179	292	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/Filr/Pa d (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	39.65	Pk	32.1	-20.9	50.85	-	-	74	-23.15	243	341	V
2	* 2.371	42.09	Pk	32	-20.9	53.19	-	-	74	-20.81	243	341	V
3	* 2.39	29.13	VA1T	32.1	-20.9	40.33	54	-13.67	-	-	243	341	V
4	* 2.39	29.2	VA1T	32.1	-20.9	40.4	54	-13.6	-	-	243	341	V

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

Pk - Peak detector

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

UL Fremont - Chamber F

1 Jul 2016 21:45:06

Restricted Bandedge

Project Number: 15U22141
Config: EUT + Metal Strap
Mode: BT 8PSK 2480MHz
Tested by: 44366

(dBuU/m)

Peak Limit (dBuU/m)

Average Limit (dBuU/m)

Frequency (GHz)

Range (GHz) 1.2-46-2.563 RBW/VBW 1M-3dB/3M Ref/Altin 107/10 Det/Avg Type Peak/Per Avg(BMS) Sweep 1sec/Auto Pts 8001 #Seps/Mode 160 Position 100 segs 140

Range (GHz) 2.2-46-2.563 RBW/VBW 1M-3dB/10 Ref/Altin 107/10 Det/Avg Type Peak/Per Avg Sweep 8sec/Auto Pts 8001 #Seps/Mode 160 Position 100 segs 140

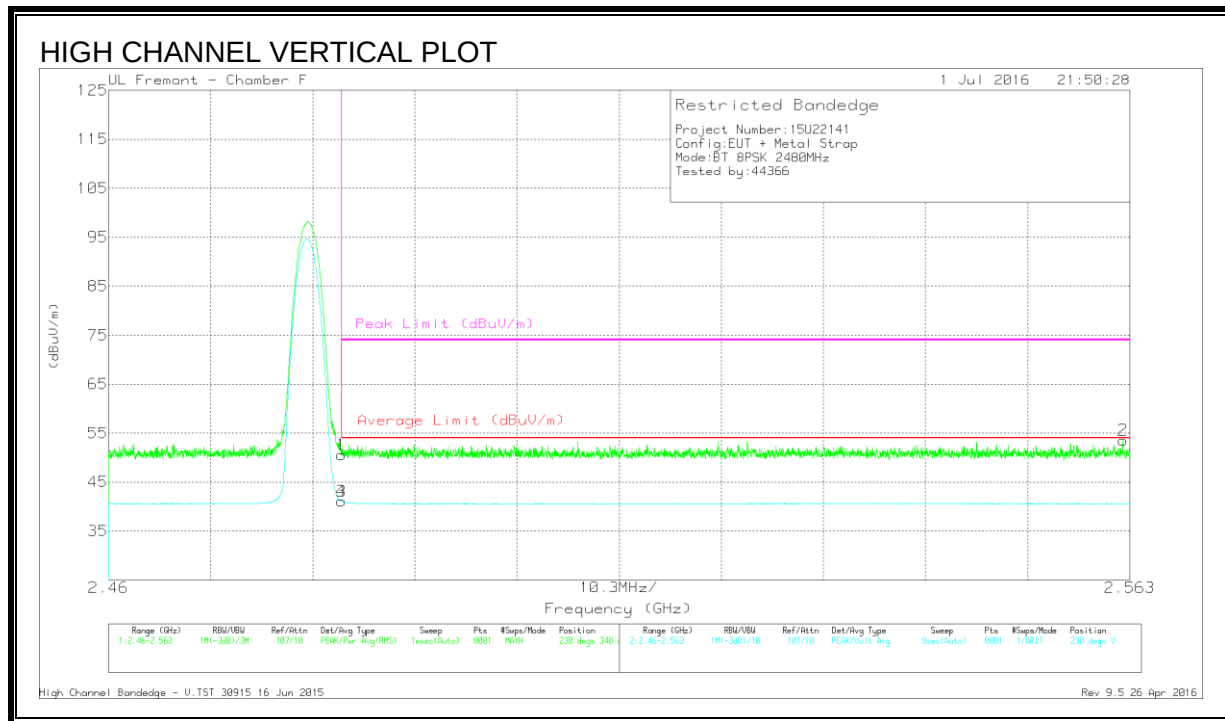
High Channel Bandedge - H.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.68	Pk	32.3	-21	52.98	-	-	74	-21.02	160	140	H
2	* 2.493	41.65	Pk	32.3	-20.9	53.05	-	-	74	-20.95	160	140	H
3	* 2.484	30.29	VA1T	32.3	-21	41.59	54	-12.41	-	-	160	140	H
4	* 2.484	30.04	VA1T	32.3	-21	41.34	54	-12.66	-	-	160	140	H

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

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



DATA

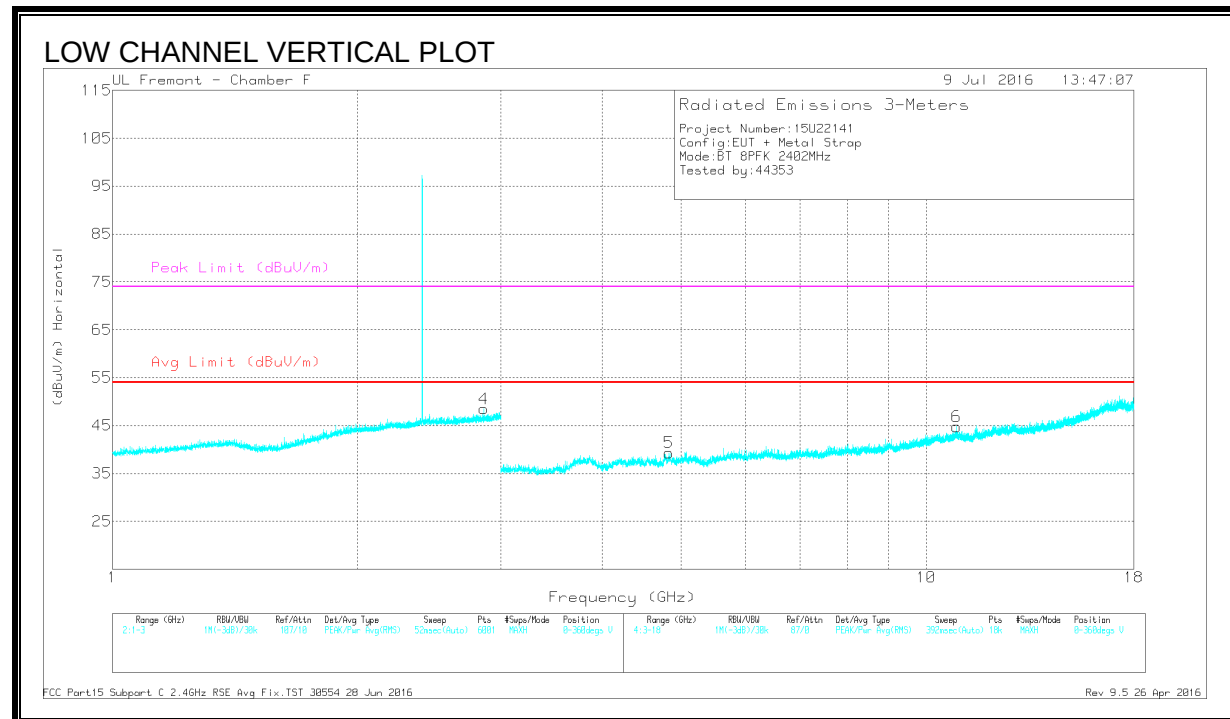
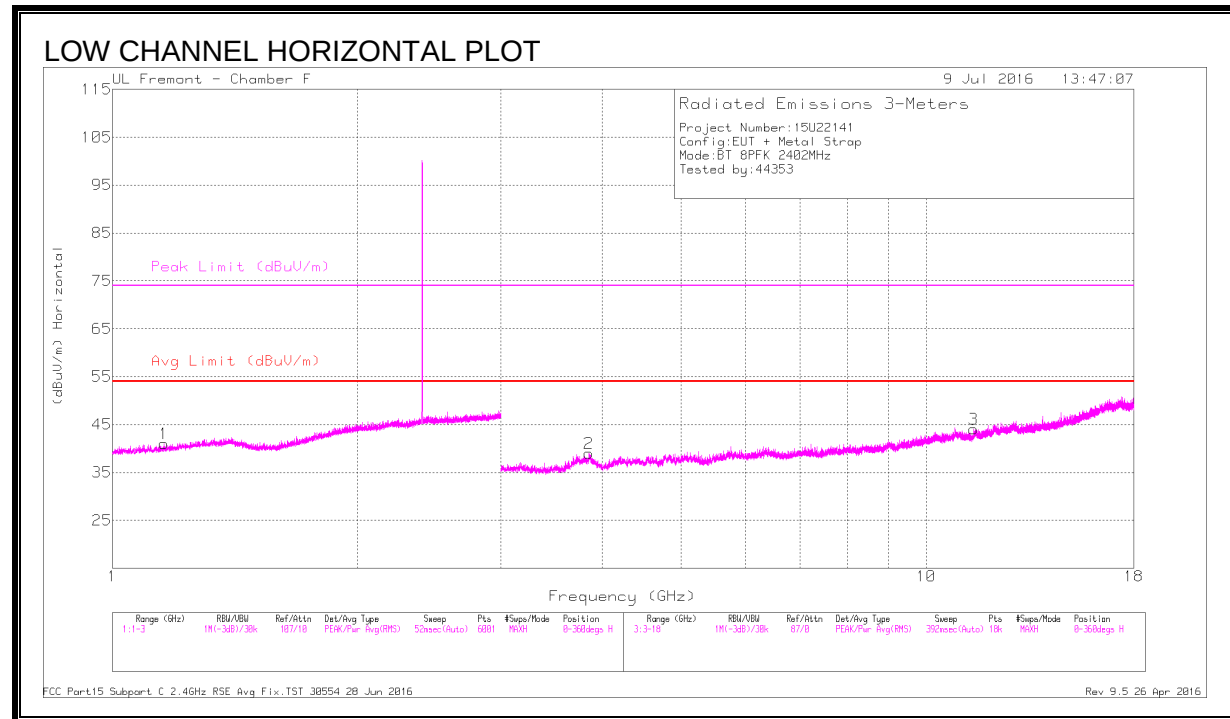
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Chl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.3	Pk	32.3	-21	50.6	-	-	74	-23.4	230	340	V
2	2.562	42.28	Pk	32.2	-20.9	53.58	-	-	74	-20.42	230	340	V
3	* 2.484	29.78	VA1T	32.3	-21	41.08	54	-12.92	-	-	230	340	V
4	* 2.484	29.78	VA1T	32.3	-21	41.08	54	-12.92	-	-	230	340	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

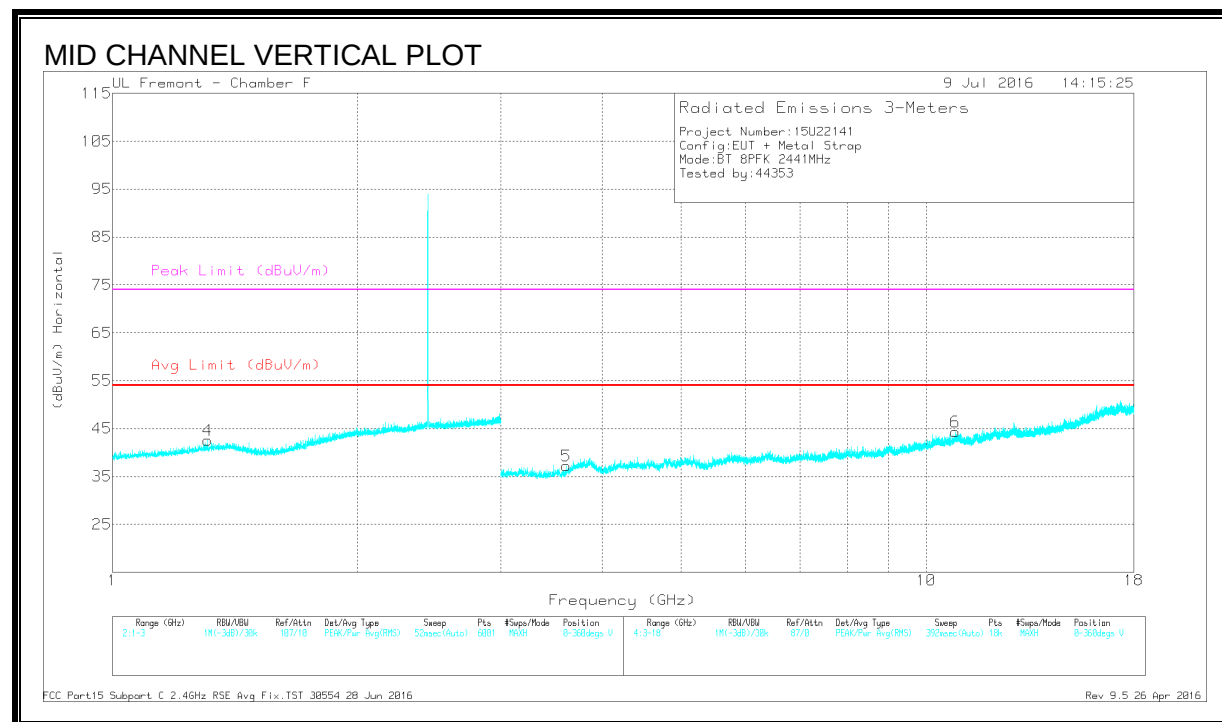
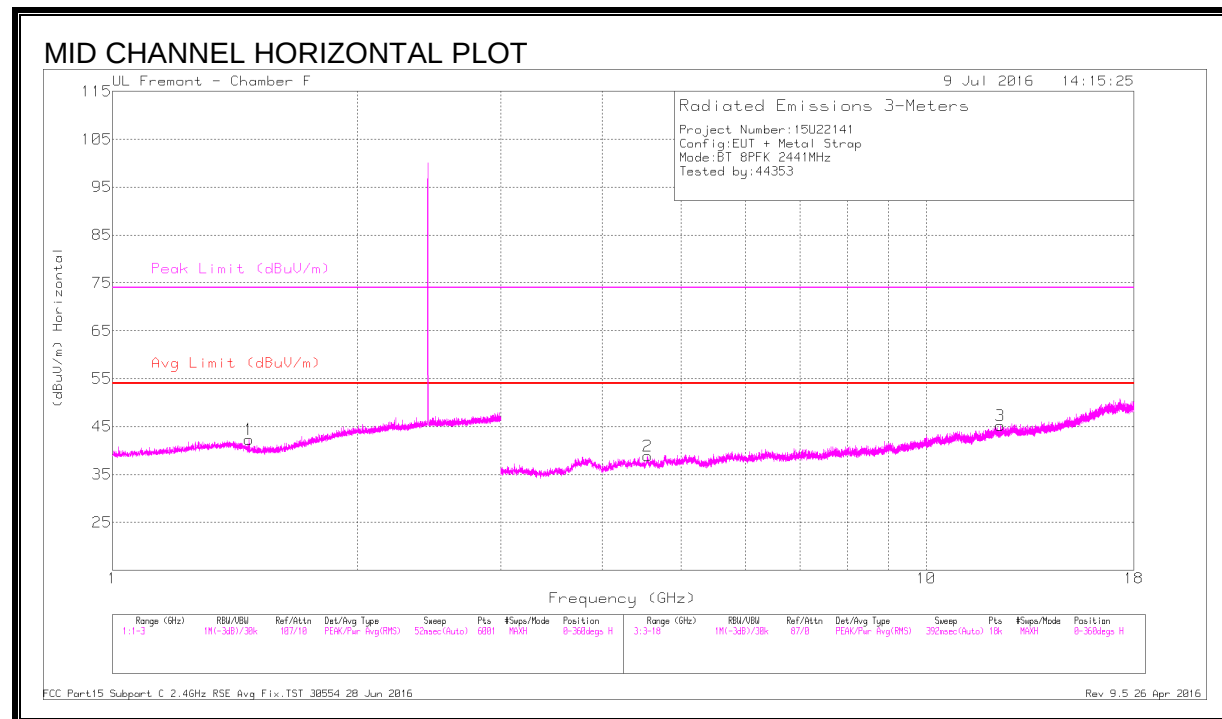
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.158	41.46	PKFH	28.2	-22.6	47.06	-	-	74	-26.94	202	307	H
	* 1.156	29.58	VA1T	28.2	-22.6	35.18	54	-18.82	-	-	202	307	H
4	* 2.861	41.13	PKFH	32.6	-20.3	53.43	-	-	74	-20.57	110	180	V
	* 2.86	28.9	VA1T	32.6	-20.2	41.3	54	-12.7	-	-	110	180	V
2	* 3.851	37.84	PKFH	33.4	-28.2	43.04	-	-	74	-30.96	288	162	H
	* 3.853	26.48	VA1T	33.4	-28.2	31.68	54	-22.32	-	-	288	162	H
3	* 11.439	34.04	PKFH	38	-22.1	49.94	-	-	74	-24.06	350	282	H
	* 11.44	22.11	VA1T	38	-22.1	38.01	54	-15.99	-	-	350	282	H
5	* 4.826	36.24	PKFH	34	-27.1	43.14	-	-	74	-30.86	70	276	V
	* 4.826	24.98	VA1T	34	-27.1	31.88	54	-22.12	-	-	70	276	V
6	* 10.909	32.8	PKFH	37.9	-21.5	49.2	-	-	74	-24.8	189	393	V
	* 10.909	21.66	VA1T	37.9	-21.5	38.06	54	-15.94	-	-	189	393	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

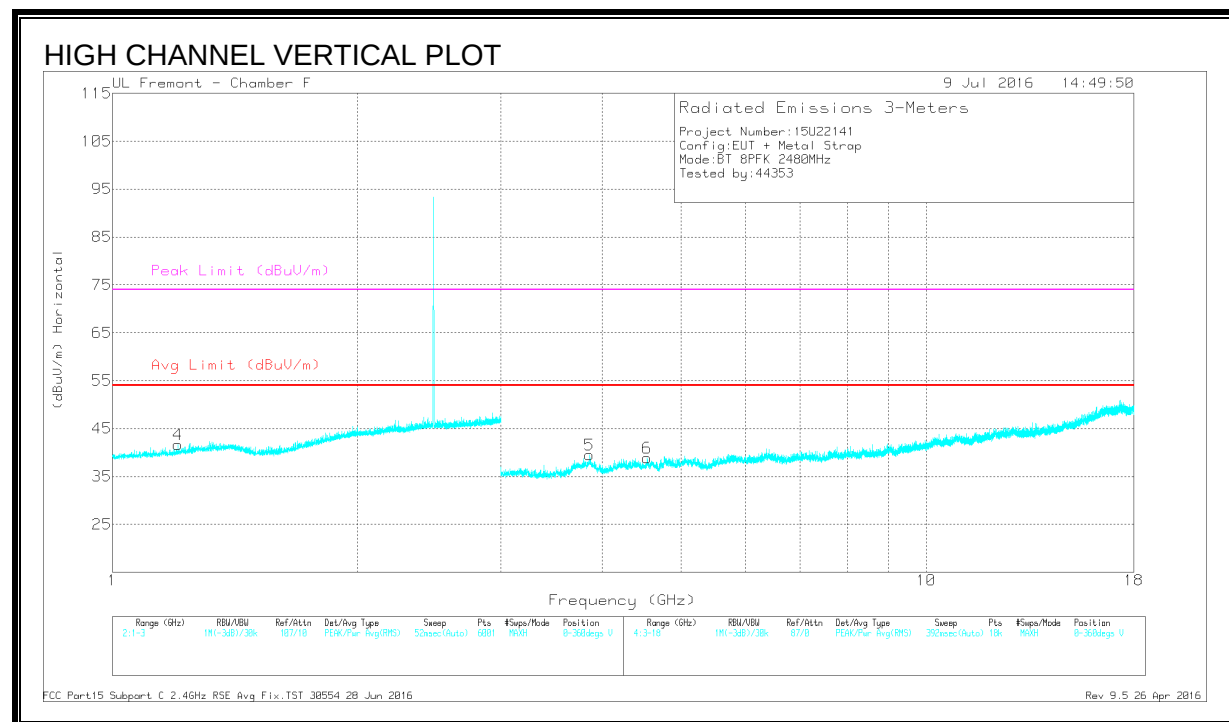
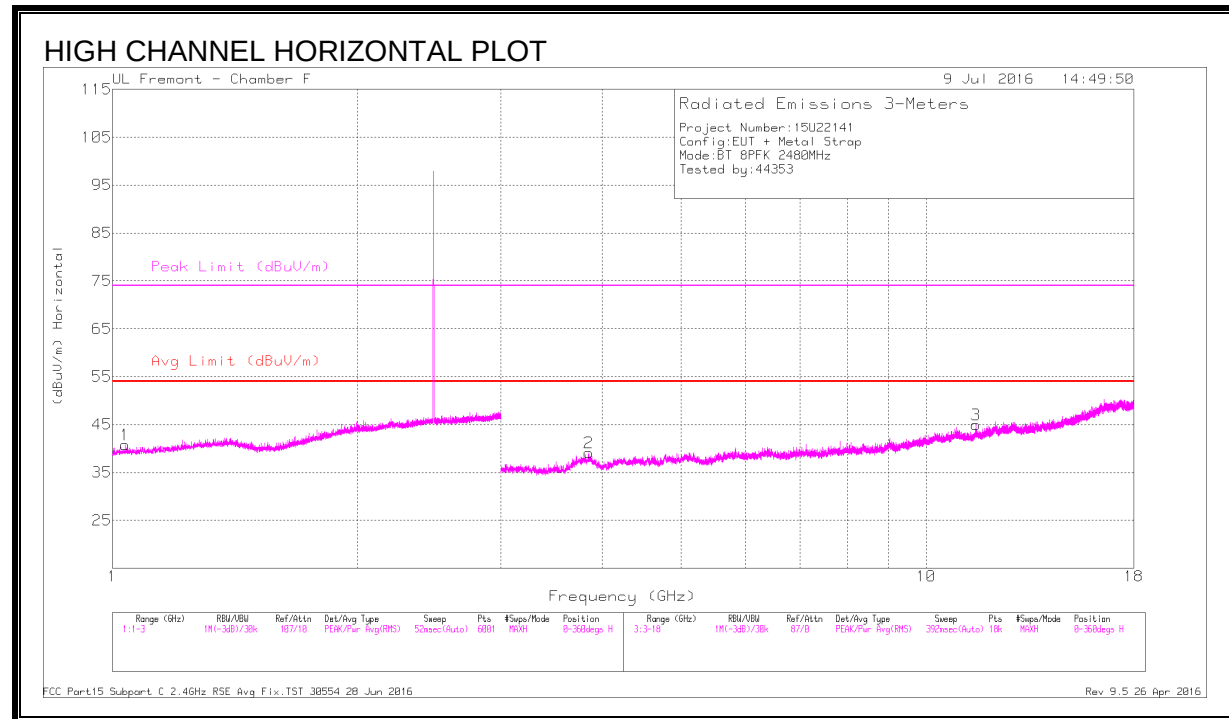
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.469	41.59	PKFH	28.4	-22	47.99	-	-	74	-26.01	301	225	H
	* 1.472	29.22	VA1T	28.4	-22	35.62	54	-18.38	-	-	301	225	H
4	* 1.308	41.08	PKFH	29	-22.1	47.98	-	-	74	-26.02	225	181	V
	* 1.309	29.28	VA1T	29	-22.1	36.18	54	-17.82	-	-	225	181	V
2	* 4.545	37.62	PKFH	34	-27.9	43.72	-	-	74	-30.28	95	263	H
	* 4.544	26.09	VA1T	34	-27.9	32.19	54	-21.81	-	-	95	263	H
3	* 12.335	33.78	PKFH	38.9	-22.8	49.88	-	-	74	-24.12	280	211	H
	* 12.335	22.79	VA1T	38.9	-22.8	38.89	54	-15.11	-	-	280	211	H
5	* 3.614	37.82	PKFH	33.1	-29.1	41.82	-	-	74	-32.18	353	357	V
	* 3.611	26.56	VA1T	33.1	-29.1	30.56	54	-23.44	-	-	353	357	V
6	* 10.874	33.33	PKFH	37.8	-21.5	49.63	-	-	74	-24.37	69	160	V
	* 10.87	21.8	VA1T	37.8	-21.5	38.1	54	-15.9	-	-	69	160	V

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

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

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

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	* 1.035	41.05	PKFH	27.8	-22.8	46.05	-	-	74	-27.95	300	181	H
	* 1.035	29.72	VA1T	27.8	-22.8	34.72	54	-19.28	-	-	300	181	H
4	* 1.204	41.33	PKFH	28.3	-22.5	47.13	-	-	74	-26.87	171	292	V
	* 1.204	29.54	VA1T	28.4	-22.5	35.44	54	-18.56	-	-	171	292	V
2	* 3.845	38.51	PKFH	33.4	-28.2	43.71	-	-	74	-30.29	249	348	H
	* 3.849	26.44	VA1T	33.4	-28.2	31.64	54	-22.36	-	-	249	348	H
3	* 11.519	33.5	PKFH	38.1	-21	50.6	-	-	74	-23.4	317	148	H
	* 11.517	21.54	VA1T	38.1	-21.1	38.54	54	-15.46	-	-	317	148	H
5	* 3.856	38.21	PKFH	33.4	-28.2	43.41	-	-	74	-30.59	192	282	V
	* 3.856	26.59	VA1T	33.4	-28.2	31.79	54	-22.21	-	-	192	282	V
6	* 4.543	38.98	PKFH	34	-27.9	45.08	-	-	74	-28.92	280	371	V
	* 4.543	26.04	VA1T	34	-27.9	32.14	54	-21.86	-	-	280	371	V

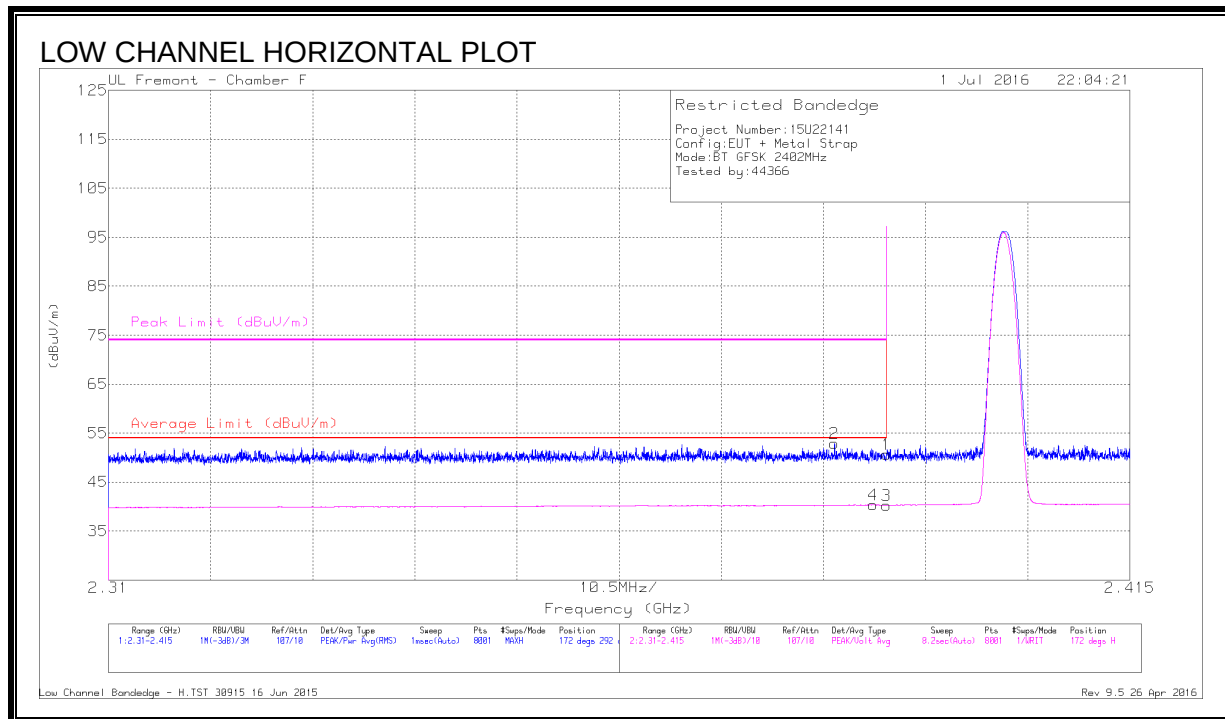
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

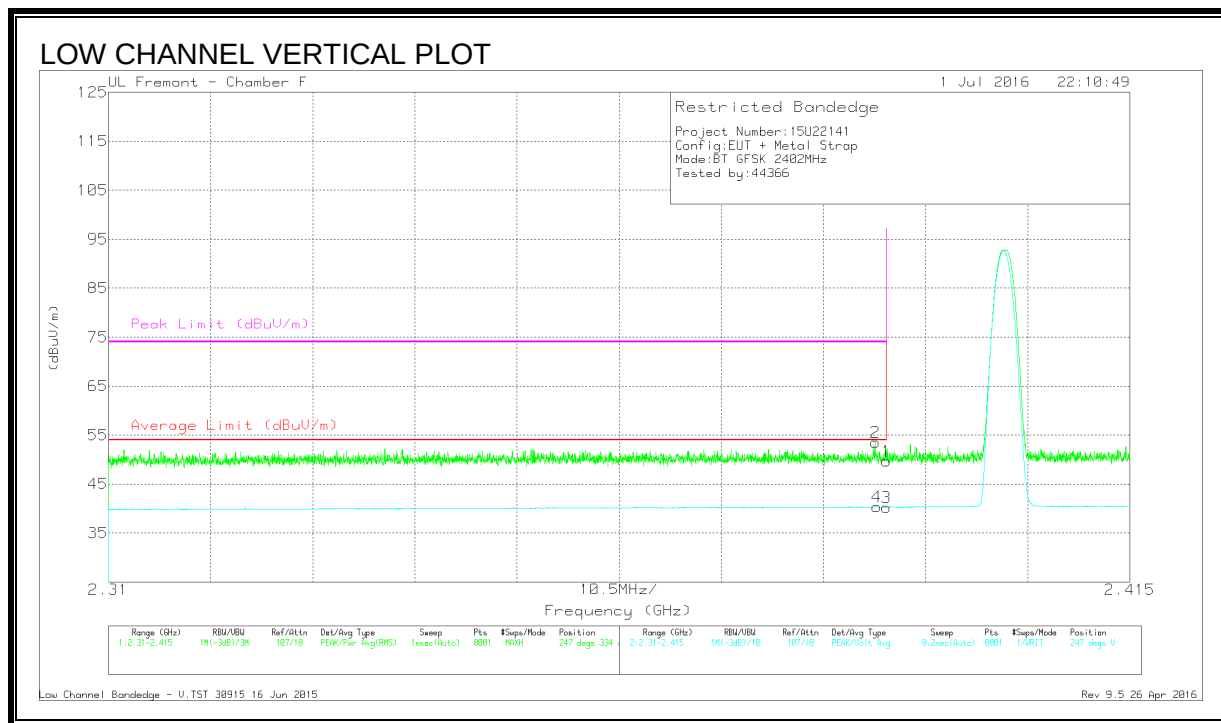
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1	* 2.39	39.41	Pk	32.1	-20.9	50.61	-	-	74	-23.39	172	292	H
2	* 2.385	41.73	Pk	32.1	-20.9	52.93	-	-	74	-21.07	172	292	H
3	* 2.39	29.03	VA1T	32.1	-20.9	40.23	54	-13.77	-	-	172	292	H
4	* 2.389	29.13	VA1T	32.1	-20.9	40.33	54	-13.67	-	-	172	292	H

* - 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

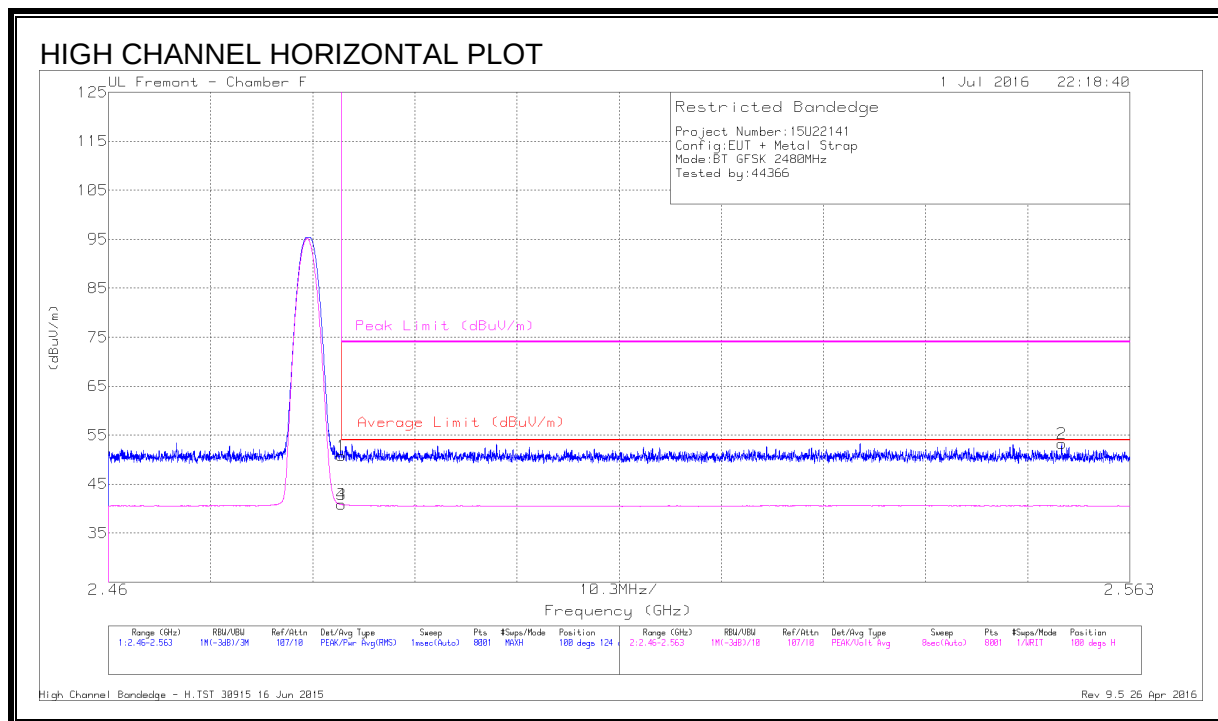
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.45	Pk	32.1	-20.9	49.65	-	-	74	-24.35	247	334	V
2	* 2.389	42.37	Pk	32.1	-20.9	53.57	-	-	74	-20.43	247	334	V
3	* 2.39	29.04	VA1T	32.1	-20.9	40.24	54	-13.76	-	-	247	334	V
4	* 2.389	29.13	VA1T	32.1	-20.9	40.33	54	-13.67	-	-	247	334	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

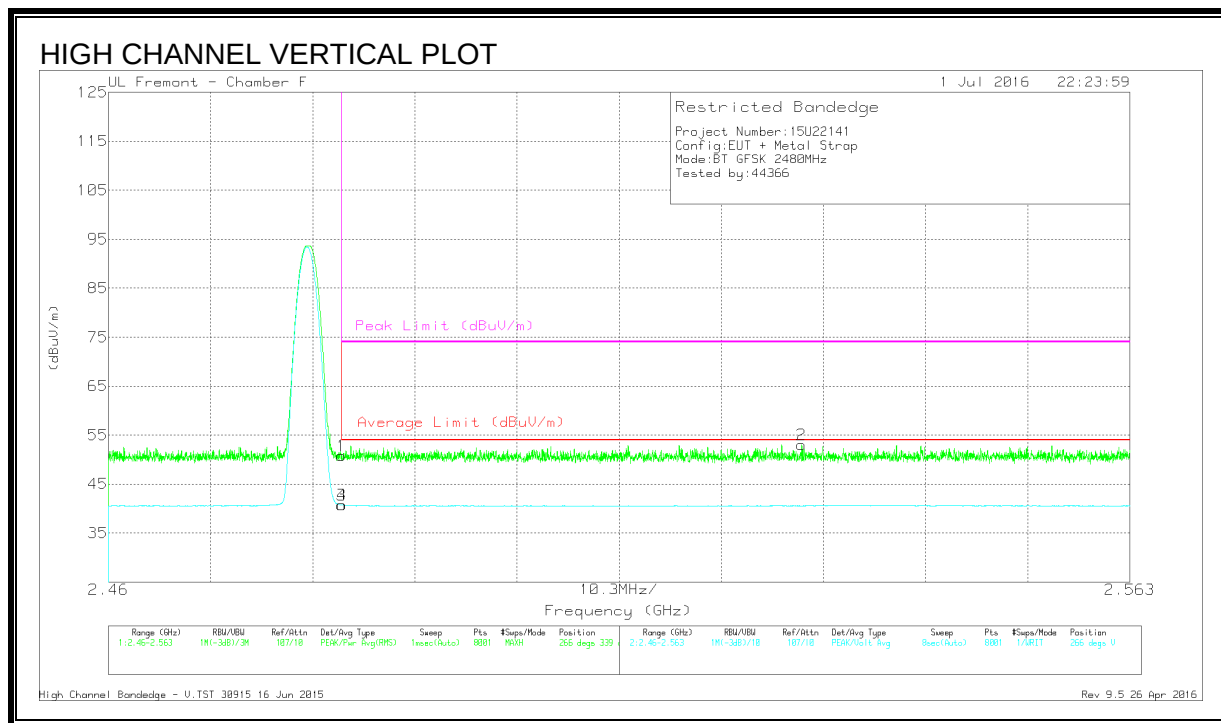
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cbl/Filtz/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.52	Pk	32.3	-21	50.82	-	-	74	-23.18	100	124	H
2	2.556	41.95	Pk	32.2	-20.9	53.25	-	-	74	-20.75	100	124	H
3	* 2.484	29.53	VA1T	32.3	-21	40.83	54	-13.17	-	-	100	124	H
4	* 2.484	29.53	VA1T	32.3	-21	40.83	54	-13.17	-	-	100	124	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

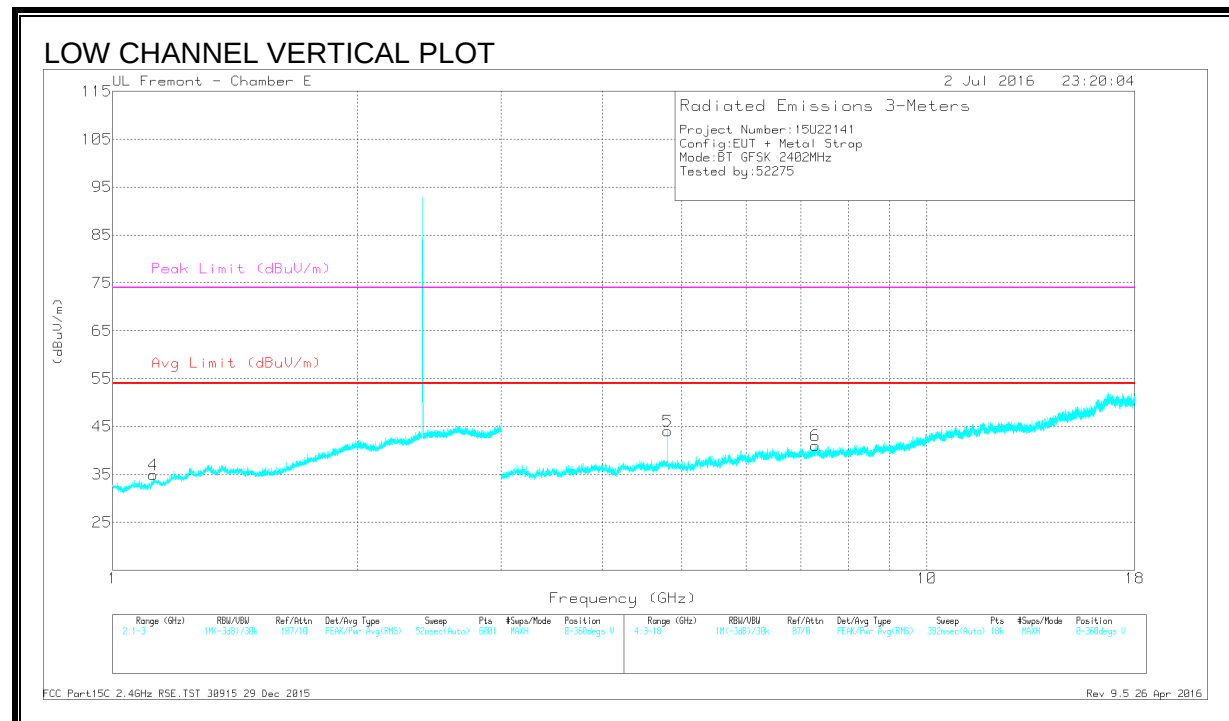
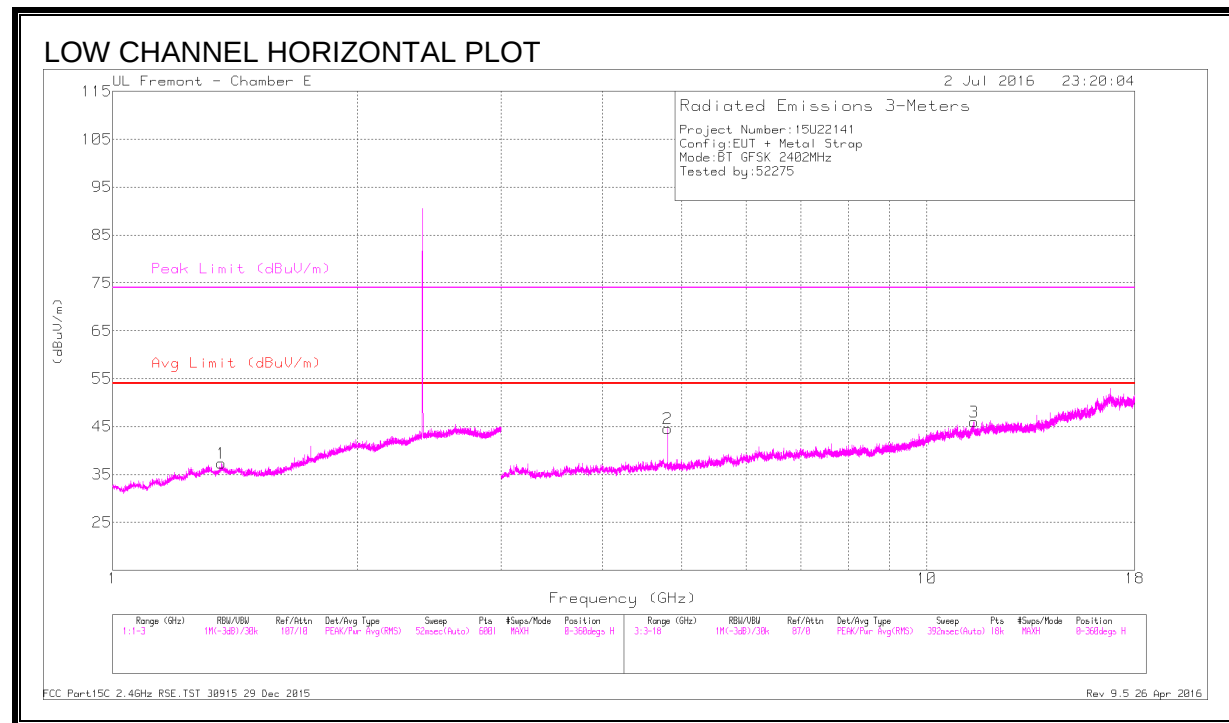
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.52	Pk	32.3	-21	50.82	-	-	74	-23.18	266	339	V
2	2.53	41.64	Pk	32.3	-20.9	53.04	-	-	74	-20.96	266	339	V
3	* 2.484	29.4	VA1T	32.3	-21	40.7	54	-13.3	-	-	266	339	V
4	* 2.484	29.43	VA1T	32.3	-21	40.73	54	-13.27	-	-	266	339	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

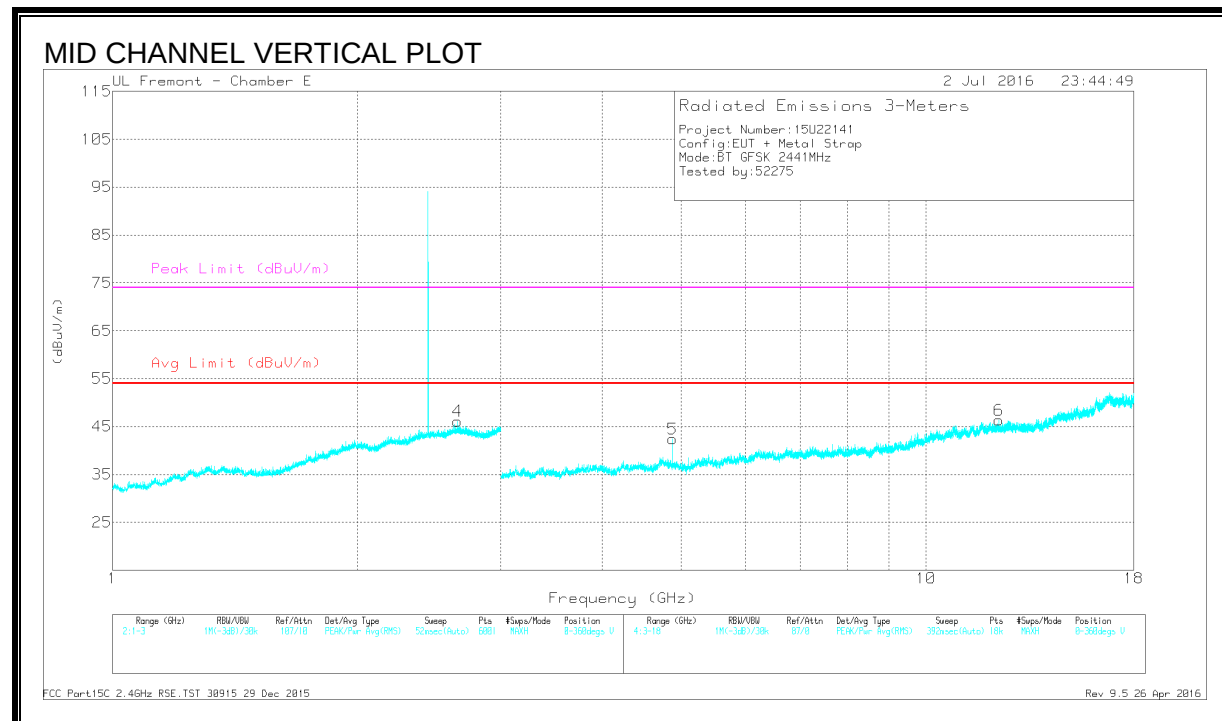
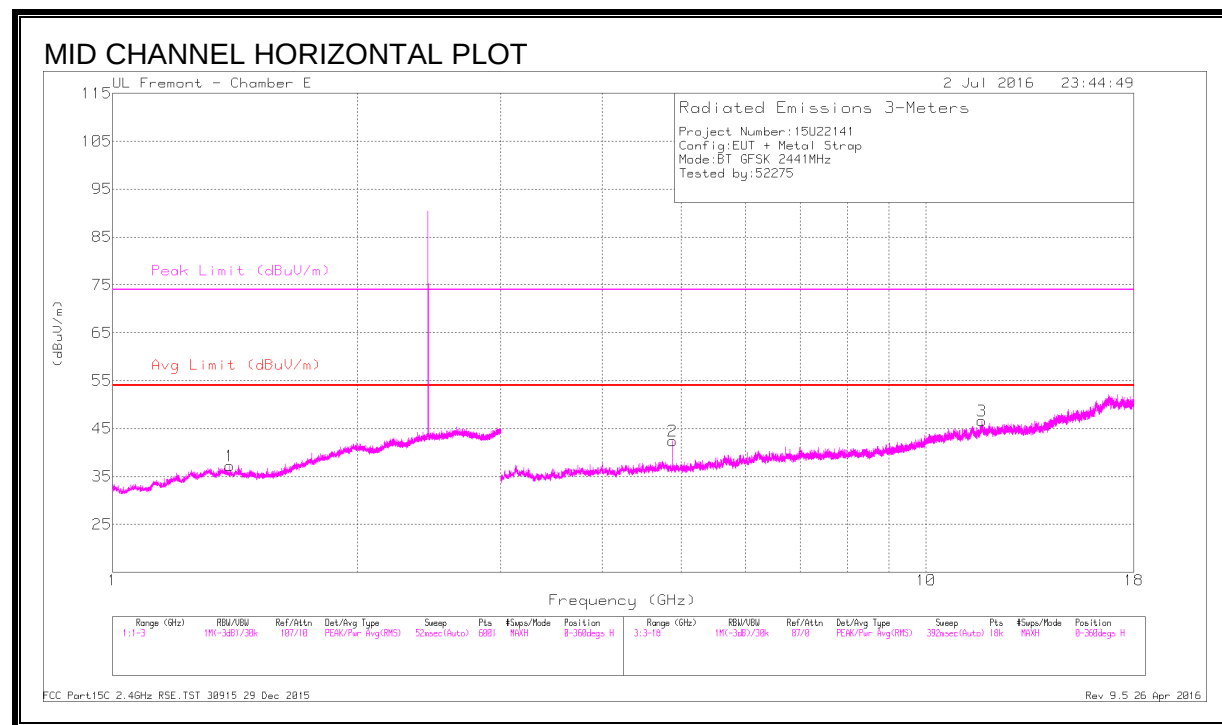
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.359	35.43	PKFH	29.2	-22.1	42.53	-	-	74	-31.47	300	130	H
	* 1.363	24	VA1T	29.2	-22.1	31.1	54	-22.9	-	-	300	130	H
4	* 1.121	35.05	PKFH	27.9	-23.5	39.45	-	-	74	-34.55	215	320	V
	* 1.125	24.07	VA1T	27.9	-23.4	28.57	54	-25.43	-	-	215	320	V
2	* 4.803	39.63	PKFH	34	-29.8	43.83	-	-	74	-30.17	59	180	H
	* 4.804	28.34	VA1T	34	-29.8	32.54	54	-21.46	-	-	59	180	H
3	* 11.422	35.27	PKFH	38.2	-22.4	51.07	-	-	74	-22.93	120	300	H
	* 11.424	24.04	VA1T	38.2	-22.5	39.74	54	-14.26	-	-	120	300	H
5	* 4.804	41.98	PKFH	34	-29.8	46.18	-	-	74	-27.82	318	270	V
	* 4.804	33.98	VA1T	34	-29.8	38.18	54	-15.82	-	-	318	270	V
6	* 7.293	37.15	PKFH	35.6	-26.4	46.35	-	-	74	-27.65	139	230	V
	* 7.292	25.88	VA1T	35.6	-26.4	35.08	54	-18.92	-	-	139	230	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

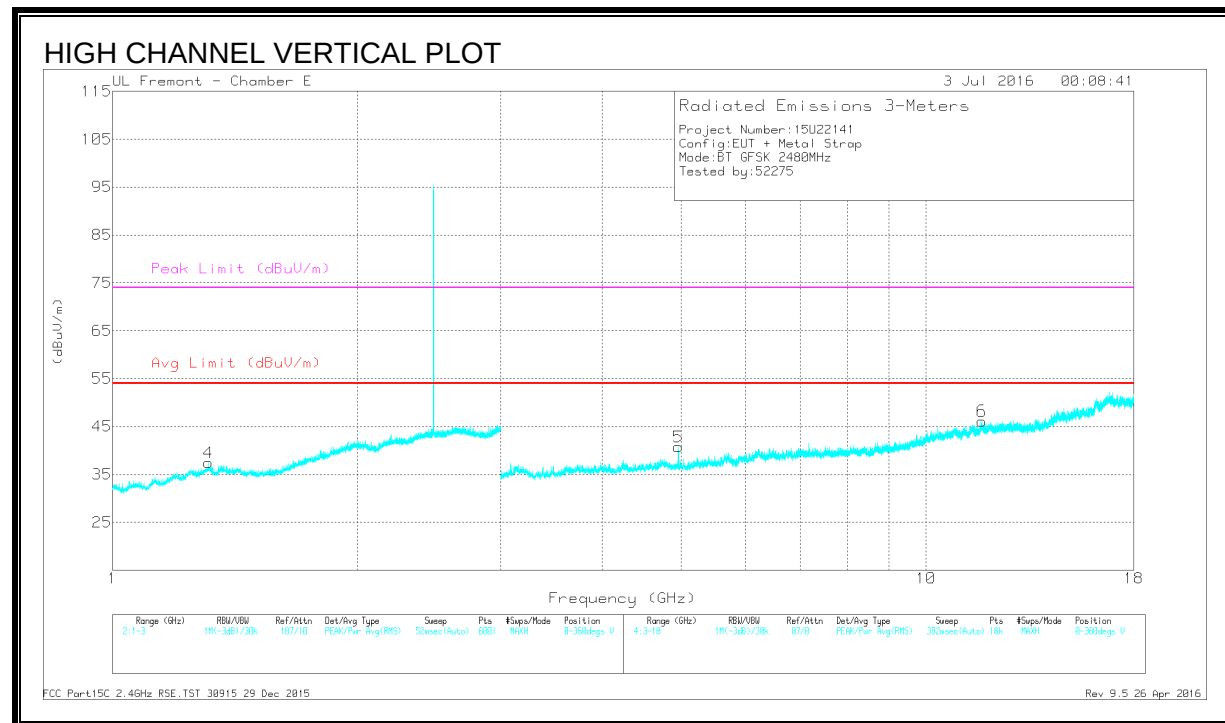
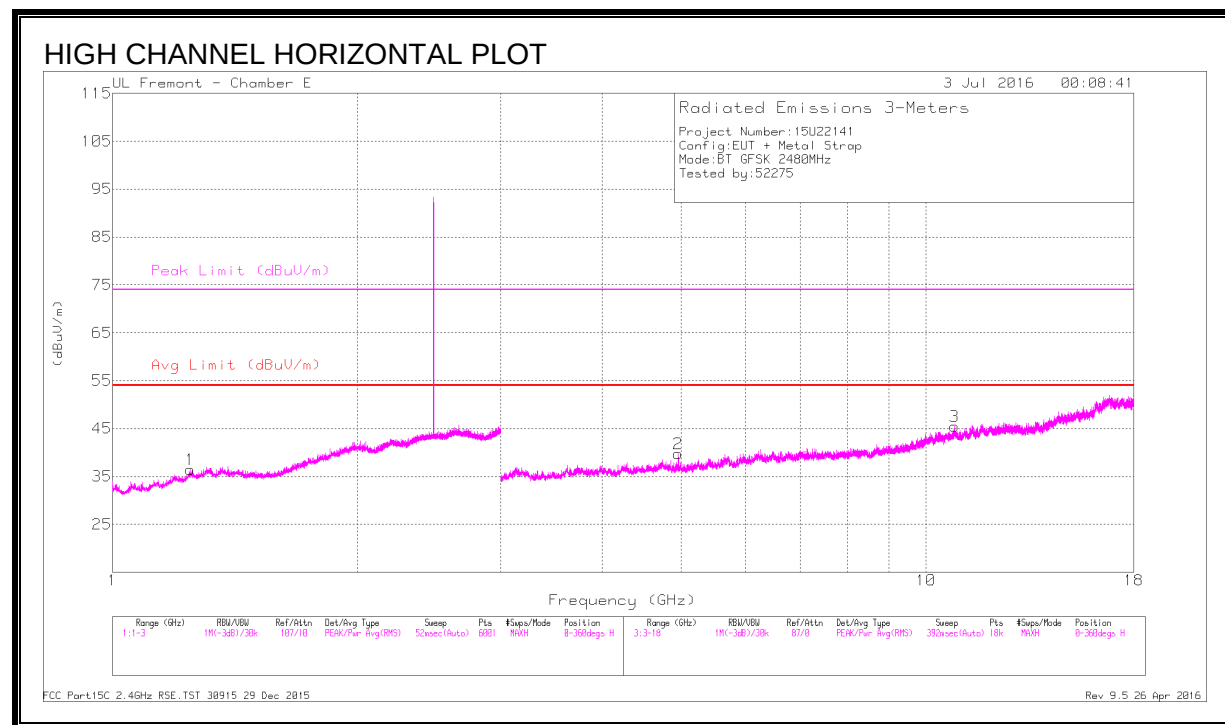
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.394	34.79	PKFH	29.1	-22	41.89	-	-	74	-32.11	50	123	H
	* 1.393	23.36	VA1T	29.1	-22	30.46	54	-23.54	-	-	50	123	H
4	* 4.882	42.28	PKFH	34	-30.4	45.88	-	-	74	-28.12	150	230	H
	* 4.882	34.03	VA1T	34	-30.4	37.63	54	-16.37	-	-	150	230	H
2	* 11.713	35.91	PKFH	38.6	-22.5	52.01	-	-	74	-21.99	317	270	H
	* 11.713	24.26	VA1T	38.6	-22.5	40.36	54	-13.64	-	-	317	270	H
3	* 4.882	42.29	PKFH	34	-30.4	45.89	-	-	74	-28.11	280	300	V
	* 4.882	33.9	VA1T	34	-30.4	37.5	54	-16.5	-	-	280	300	V
5	* 12.276	36.33	PKFH	38.9	-24.1	51.13	-	-	74	-22.87	174	220	V
	* 12.279	25.08	VA1T	38.9	-24.1	39.88	54	-14.12	-	-	174	220	V
6	2.654	36.62	PKFH	32.6	-19.7	49.52	-	-	-	-	201	140	V
	2.654	25.37	VA1T	32.6	-19.7	38.27	-	-	-	-	201	140	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 T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.245	35.41	PKFH	28.9	-22.5	41.81	-	-	74	-32.19	30	153	H
	* 1.247	24.04	VA1T	28.9	-22.5	30.44	54	-23.56	-	-	30	153	H
4	* 1.313	35.11	PKFH	29.3	-22.3	42.11	-	-	74	-31.89	100	220	V
	* 1.31	24.09	VA1T	29.3	-22.4	30.99	54	-23.01	-	-	100	220	V
2	* 4.961	40.99	PKFH	34	-30.5	44.49	-	-	74	-29.51	248	300	H
	* 4.96	32.73	VA1T	34	-30.5	36.23	54	-17.77	-	-	248	300	H
3	* 10.835	36.71	PKFH	37.9	-22.7	51.91	-	-	74	-22.09	181	320	H
	* 10.834	24.21	VA1T	37.9	-22.7	39.41	54	-14.59	-	-	181	320	H
5	* 4.959	41.44	PKFH	34	-30.5	44.94	-	-	74	-29.06	79	240	V
	* 4.96	32.79	VA1T	34	-30.5	36.29	54	-17.71	-	-	79	240	V
6	* 11.699	34.9	PKFH	38.6	-22.5	51	-	-	74	-23	291	170	V
	* 11.701	24.01	VA1T	38.6	-22.5	40.11	54	-13.89	-	-	291	170	V

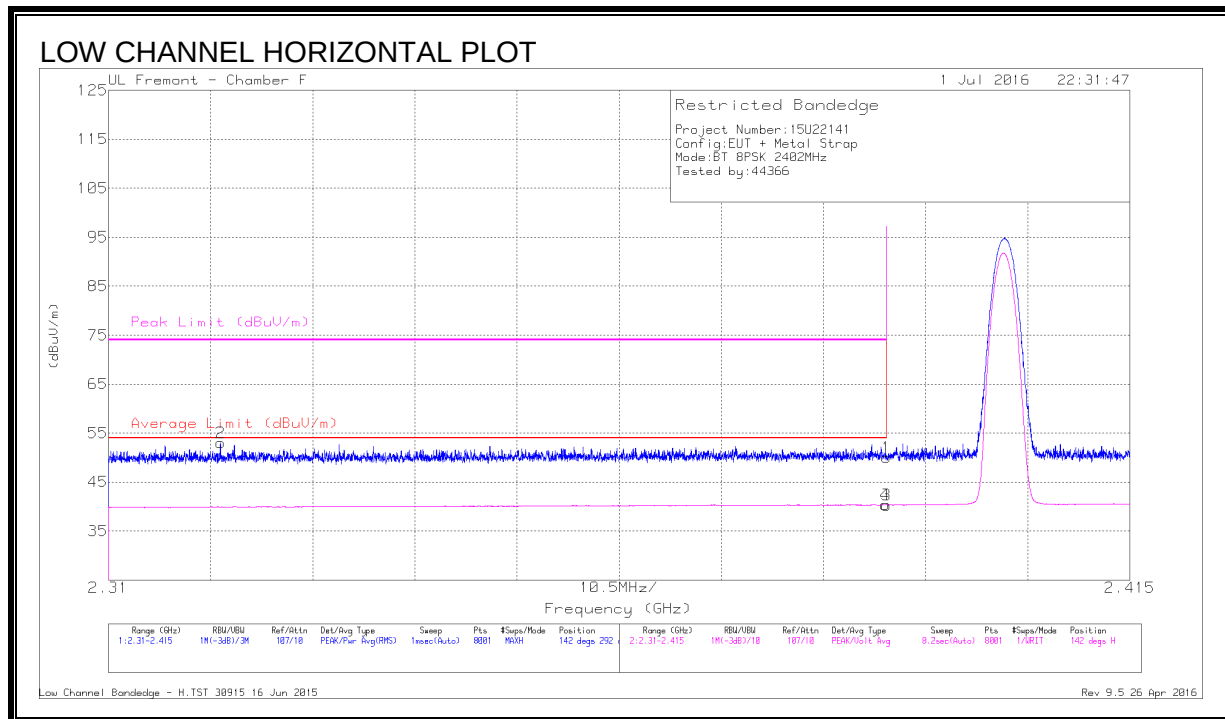
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

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

8.2.4. LOW POWER MODE ENHANCED DATA RATE 8PSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



DATA

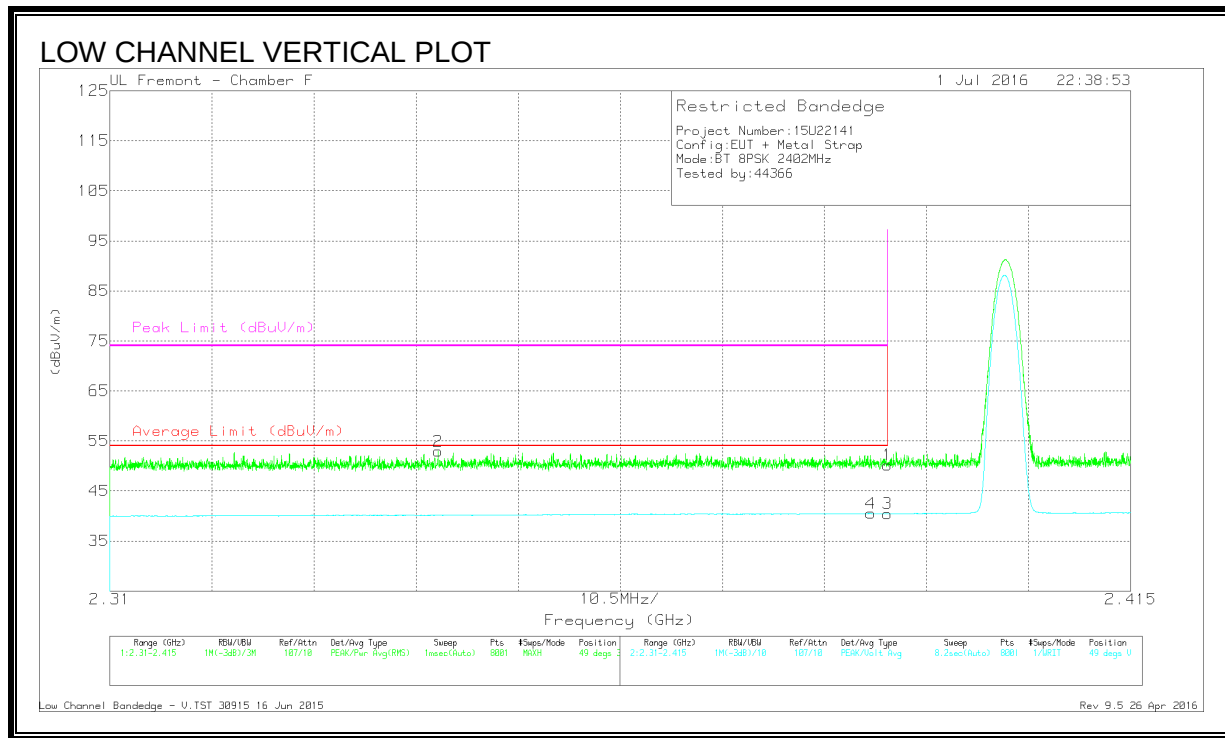
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.84	Pk	32.1	-20.9	50.04	-	-	74	-23.96	142	292	H
2	* 2.322	42.07	Pk	31.8	-20.9	52.97	-	-	74	-21.03	142	292	H
3	* 2.39	29.1	VA1T	32.1	-20.9	40.3	54	-13.7	-	-	142	292	H
4	* 2.39	29.16	VA1T	32.1	-20.9	40.36	54	-13.64	-	-	142	292	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

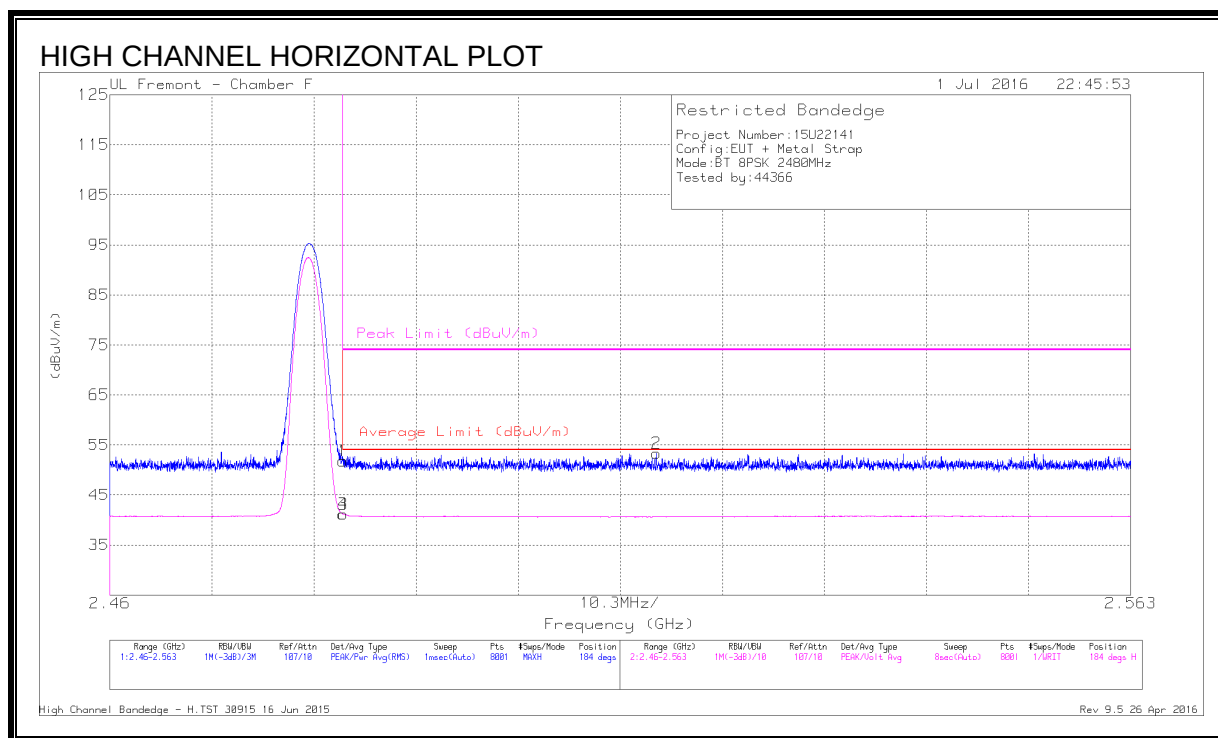
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.01	Pk	32.1	-20.9	50.21	-	-	74	-23.79	49	378	V
2	* 2.344	42.03	Pk	31.9	-21	52.93	-	-	74	-21.07	49	378	V
3	* 2.39	29.27	VA1T	32.1	-20.9	40.47	54	-13.53	-	-	49	378	V
4	* 2.388	29.32	VA1T	32.1	-20.9	40.52	54	-13.48	-	-	49	378	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

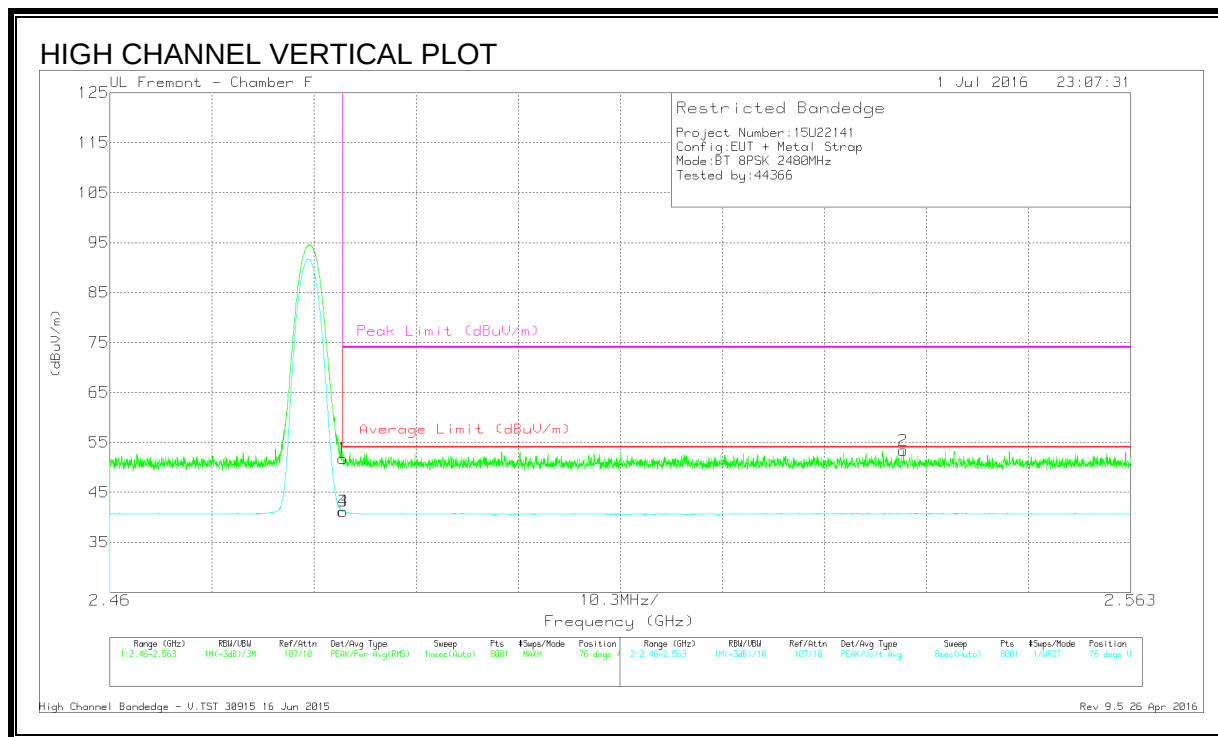
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1	* 2.484	40.52	Pk	32.3	-21	51.82	-	-	74	-22.18	184	311	H
2	2.515	42.06	Pk	32.3	-21	53.36	-	-	74	-20.64	184	311	H
3	* 2.484	29.89	VA1T	32.3	-21	41.19	54	-12.81	-	-	184	311	H
4	* 2.484	29.89	VA1T	32.3	-21	41.19	54	-12.81	-	-	184	311	H

* - 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

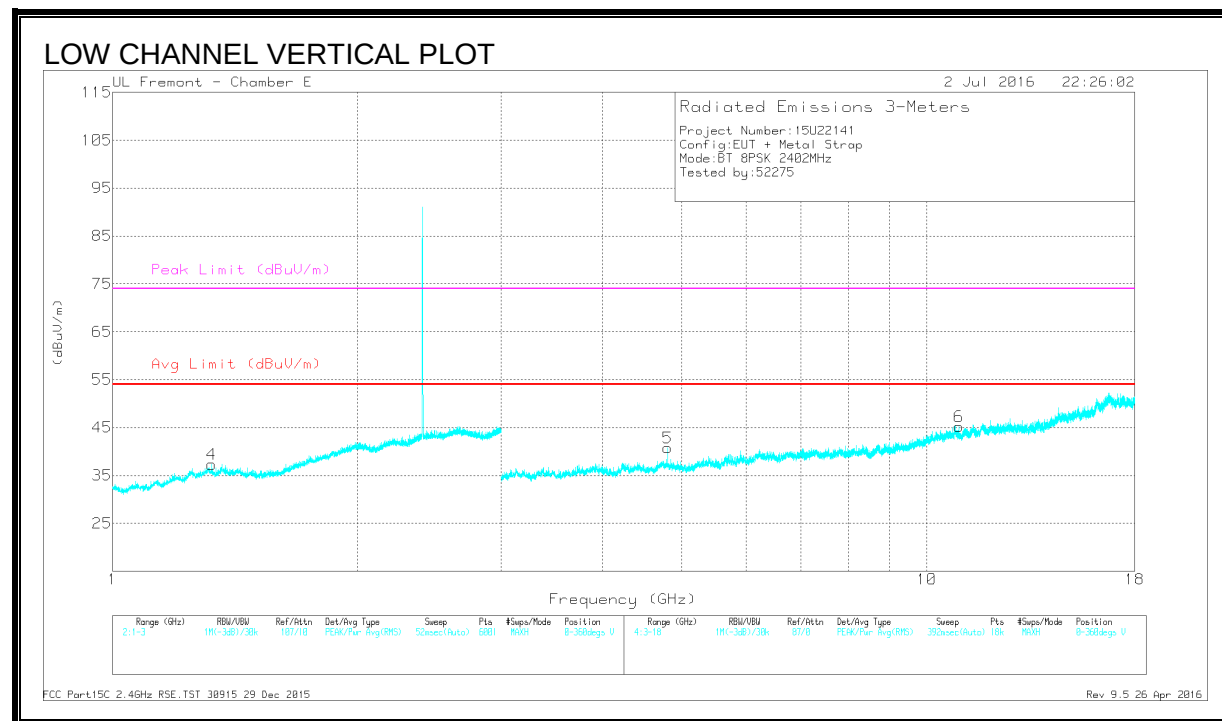
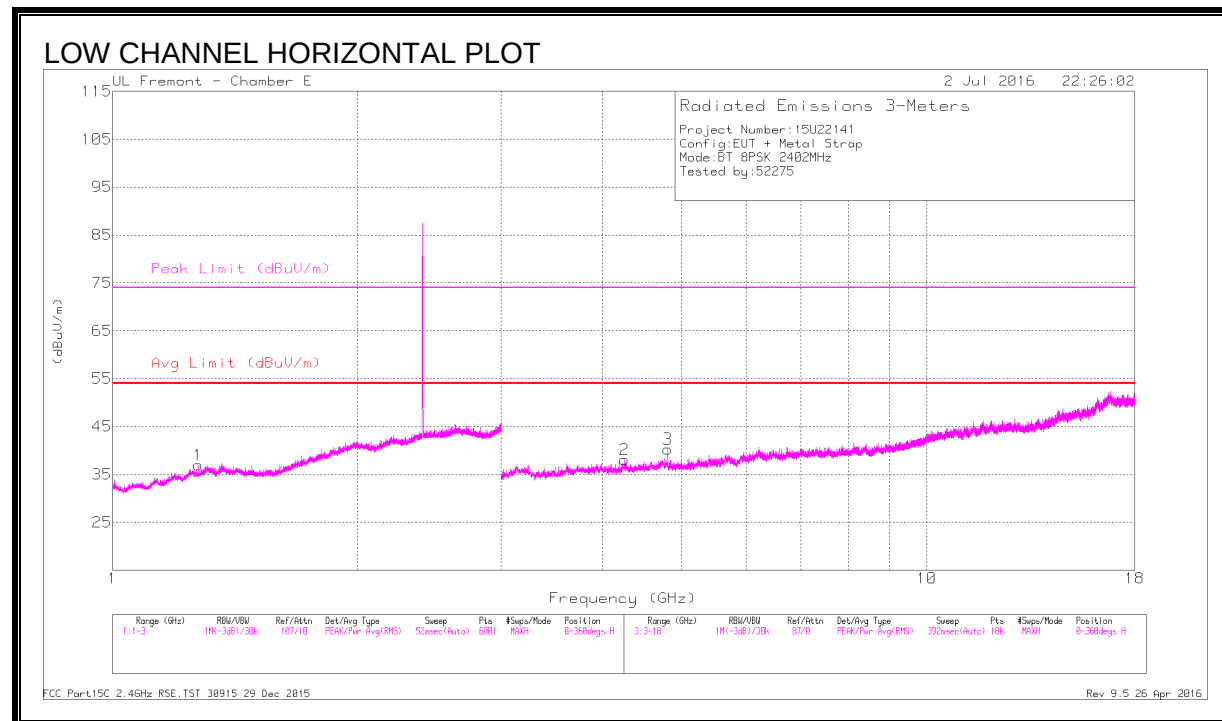
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.5	Pk	32.3	-21	51.8	-	-	74	-22.2	76	402	V
2	2.54	42.09	Pk	32.2	-20.9	53.39	-	-	74	-20.61	76	402	V
3	* 2.484	29.9	VA1T	32.3	-21	41.2	54	-12.8	-	-	76	402	V
4	* 2.484	29.9	VA1T	32.3	-21	41.2	54	-12.8	-	-	76	402	V

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

Pk - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS



DATA

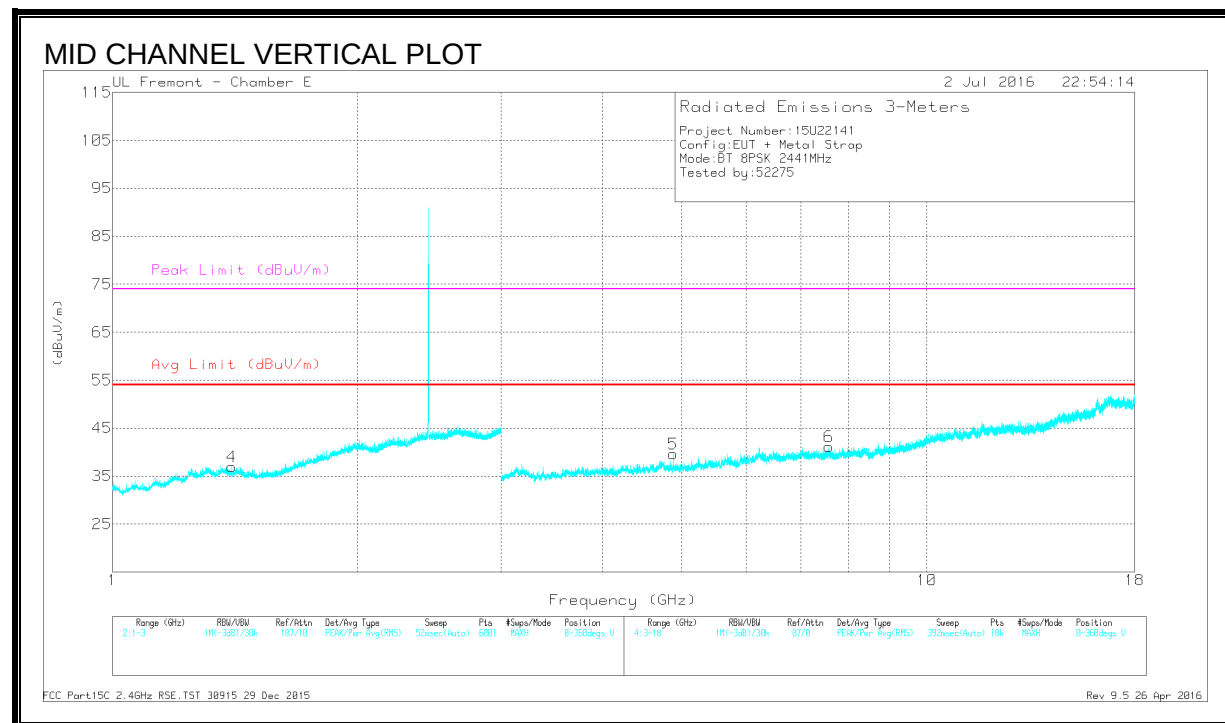
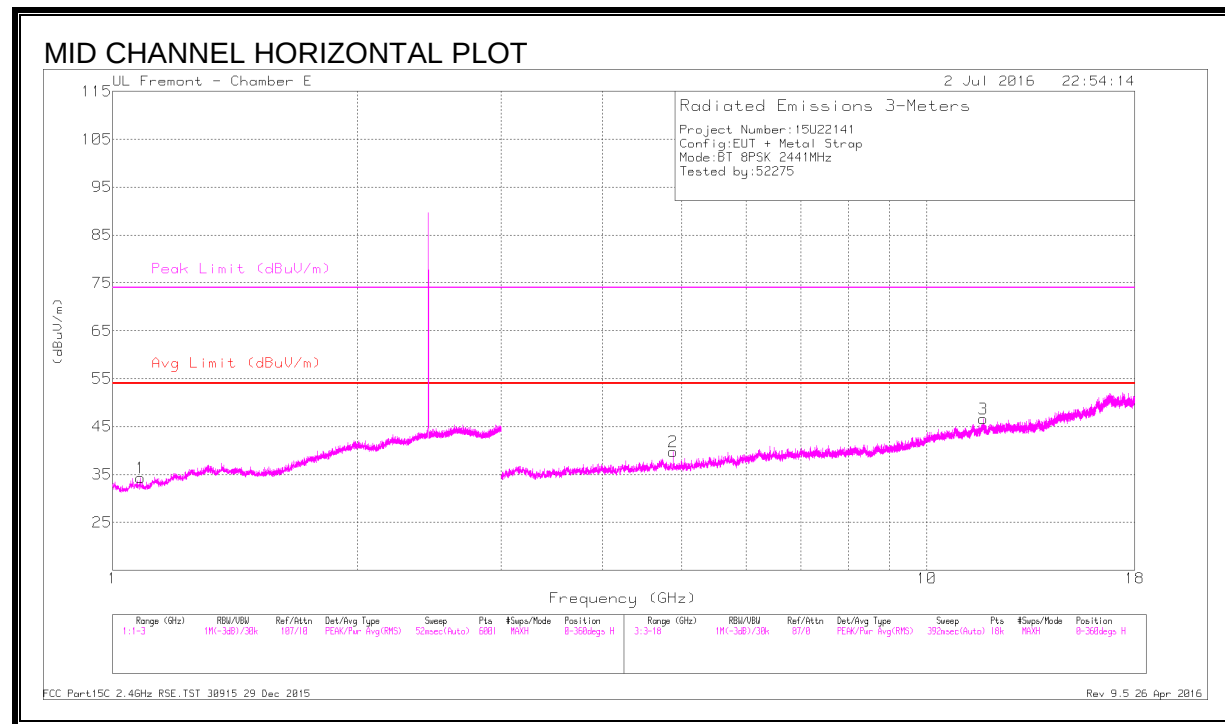
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.276	35.13	PKFH	29.1	-22.5	41.73	-	-	74	-32.27	185	155	H
	* 1.273	23.3	VA1T	29.1	-22.6	29.8	54	-24.2	-	-	185	155	H
4	* 1.322	36.16	PKFH	29.3	-22.2	43.26	-	-	74	-30.74	200	156	V
	* 1.322	23.64	VA1T	29.3	-22.2	30.74	54	-23.26	-	-	200	156	V
2	* 4.804	41.47	PKFH	34	-29.8	45.67	-	-	74	-28.33	171	134	H
	* 4.804	33.47	VA1T	34	-29.8	37.67	54	-16.33	-	-	171	134	H
3	* 4.251	39.19	PKFH	33.3	-29	43.49	-	-	74	-30.51	270	101	H
	* 4.252	27.43	VA1T	33.3	-29	31.73	54	-22.27	-	-	270	101	H
5	* 4.803	42.47	PKFH	34	-29.8	46.67	-	-	74	-27.33	93	230	V
	* 4.804	34.74	VA1T	34	-29.8	38.94	54	-15.06	-	-	93	230	V
6	* 10.939	35.98	PKFH	38	-23.6	50.38	-	-	74	-23.62	241	210	V
	* 10.941	24.22	VA1T	38	-23.6	38.62	54	-15.38	-	-	241	210	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

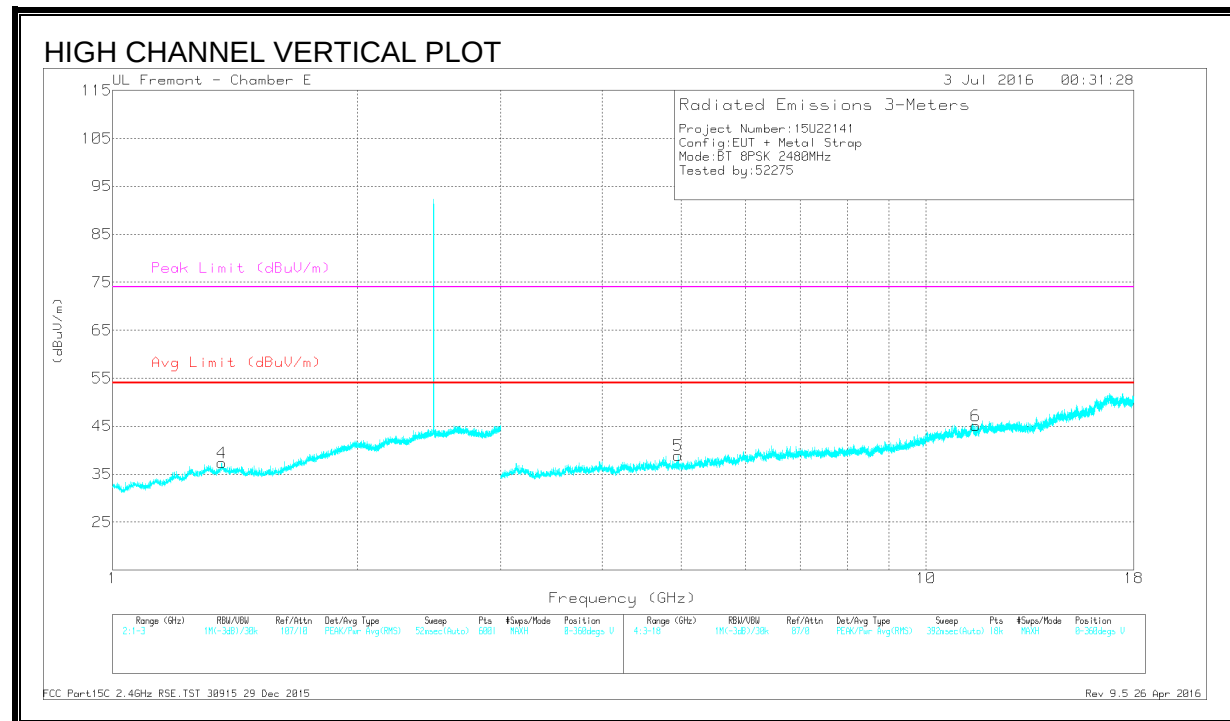
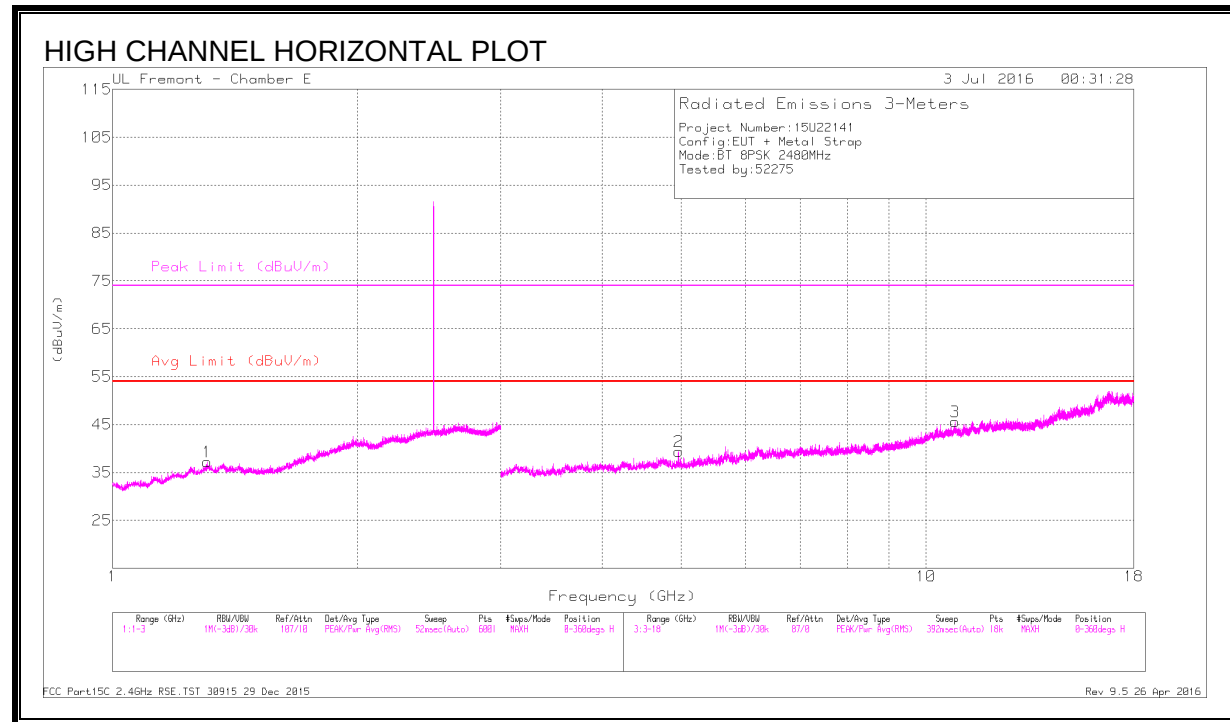
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.08	34.73	PKFH	27.6	-23.8	38.53	-	-	74	-35.47	93	260	H
	* 1.079	23.82	VA1T	27.6	-23.8	27.62	54	-26.38	-	-	93	260	H
4	* 1.402	35.17	PKFH	29	-22	42.17	-	-	74	-31.83	180	190	V
	* 1.402	23.41	VA1T	29	-22	30.41	54	-23.59	-	-	180	190	V
2	* 4.882	42.37	PKFH	34	-30.4	45.97	-	-	74	-28.03	146	120	H
	* 4.882	33.87	VA1T	34	-30.4	37.47	54	-16.53	-	-	146	120	H
3	* 4.882	42.19	PKFH	34	-30.4	45.79	-	-	74	-28.21	235	290	H
	* 4.882	32.21	VA1T	34	-30.4	35.81	54	-18.19	-	-	235	290	H
5	* 4.883	39.81	PKFH	34	-30.3	43.51	-	-	74	-30.49	220	186	V
	* 4.882	28.57	VA1T	34	-30.4	32.17	54	-21.83	-	-	220	186	V
6	* 7.577	36.89	PKFH	35.6	-25.8	46.69	-	-	74	-27.31	300	121	V
	* 7.575	25.11	VA1T	35.6	-25.7	35.01	54	-18.99	-	-	300	121	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 T711 (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	* 1.307	35.28	PKFH	29.3	-22.4	42.18	-	-	74	-31.82	300	120	H
	* 1.309	24.08	VA1T	29.3	-22.4	30.98	54	-23.02	-	-	300	120	H
4	* 1.363	35.18	PKFH	29.2	-22.1	42.28	-	-	74	-31.72	220	175	V
	* 1.363	24.01	VA1T	29.2	-22.1	31.11	54	-22.89	-	-	220	175	V
2	* 4.961	40.04	PKFH	34	-30.5	43.54	-	-	74	-30.46	102	280	H
	* 4.96	28.36	VA1T	34	-30.5	31.86	54	-22.14	-	-	102	280	H
3	* 10.846	35.27	PKFH	38	-22.7	50.57	-	-	74	-23.43	190	260	H
	* 10.846	24.19	VA1T	38	-22.7	39.49	54	-14.51	-	-	190	260	H
5	* 4.959	40.87	PKFH	34	-30.5	44.37	-	-	74	-29.63	301	250	V
	* 4.96	30.87	VA1T	34	-30.5	34.37	54	-19.63	-	-	301	250	V
6	* 11.513	35.6	PKFH	38.3	-23.6	50.3	-	-	74	-23.7	179	220	V
	* 11.515	24.39	VA1T	38.3	-23.5	39.19	54	-14.81	-	-	179	220	V

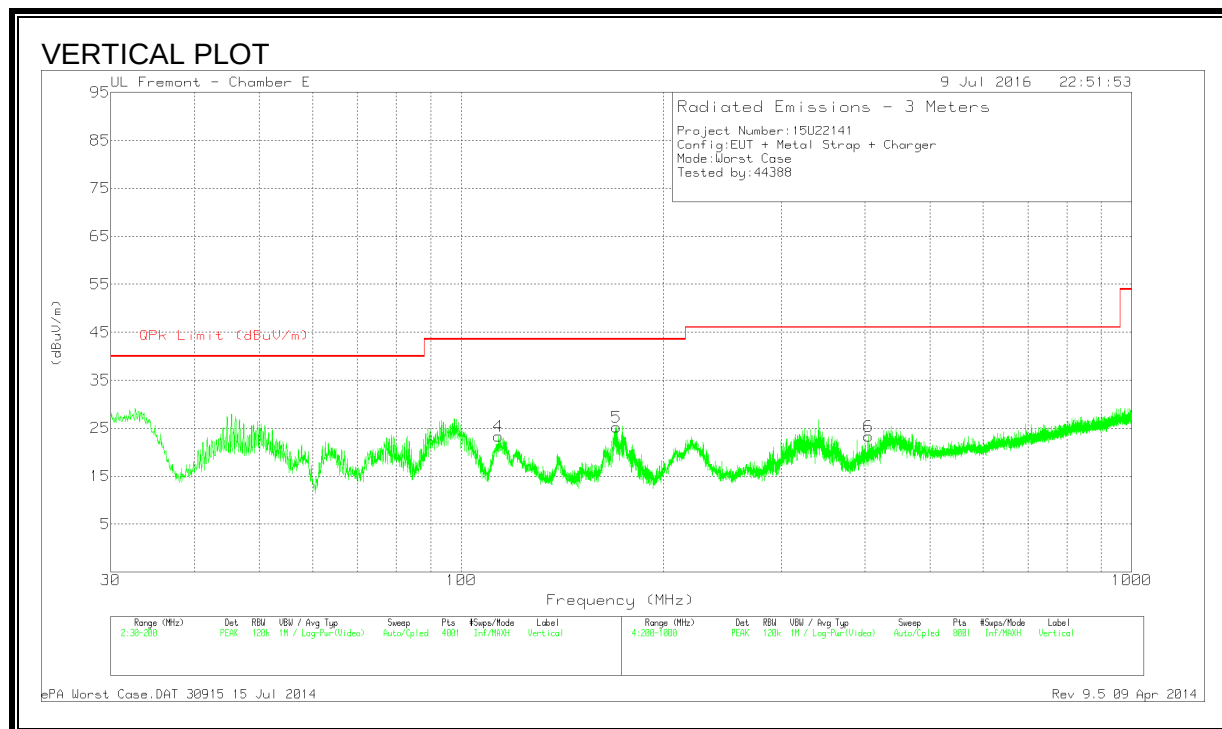
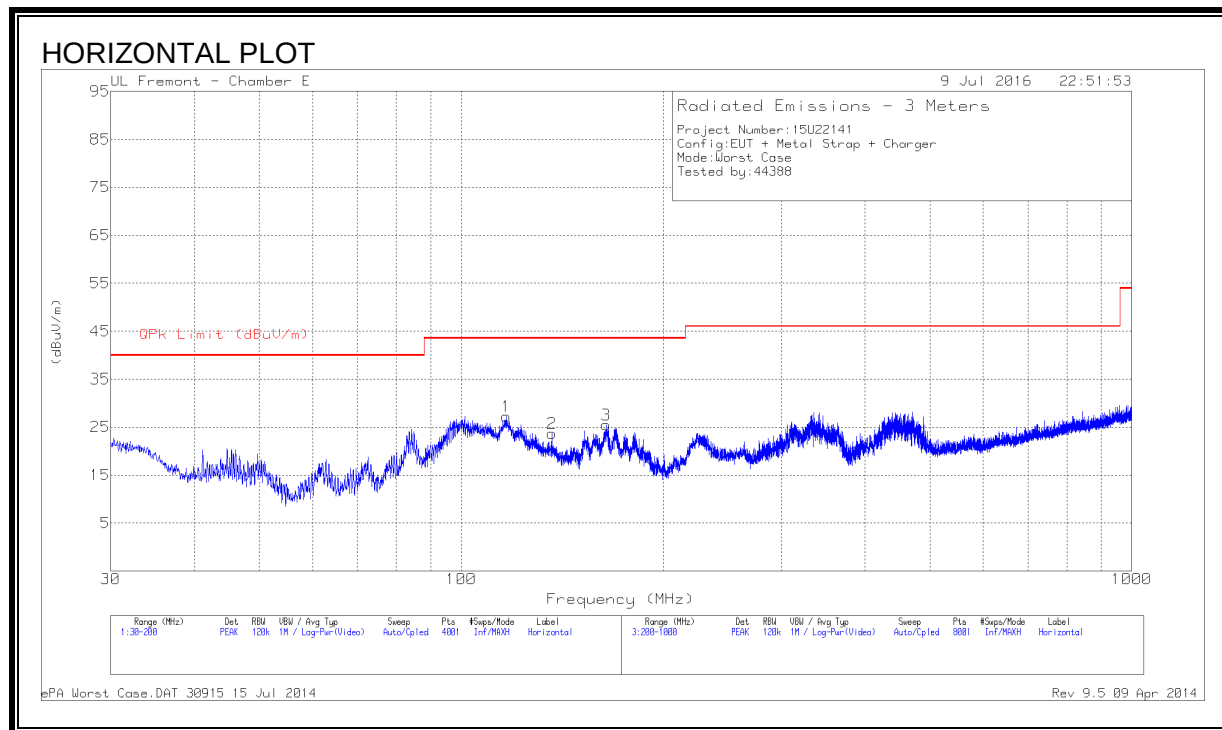
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 1GHz

SPURIOUS EMISSIONS 30 MHz TO 1 GHz (WORST-CASE CONFIGURATION)



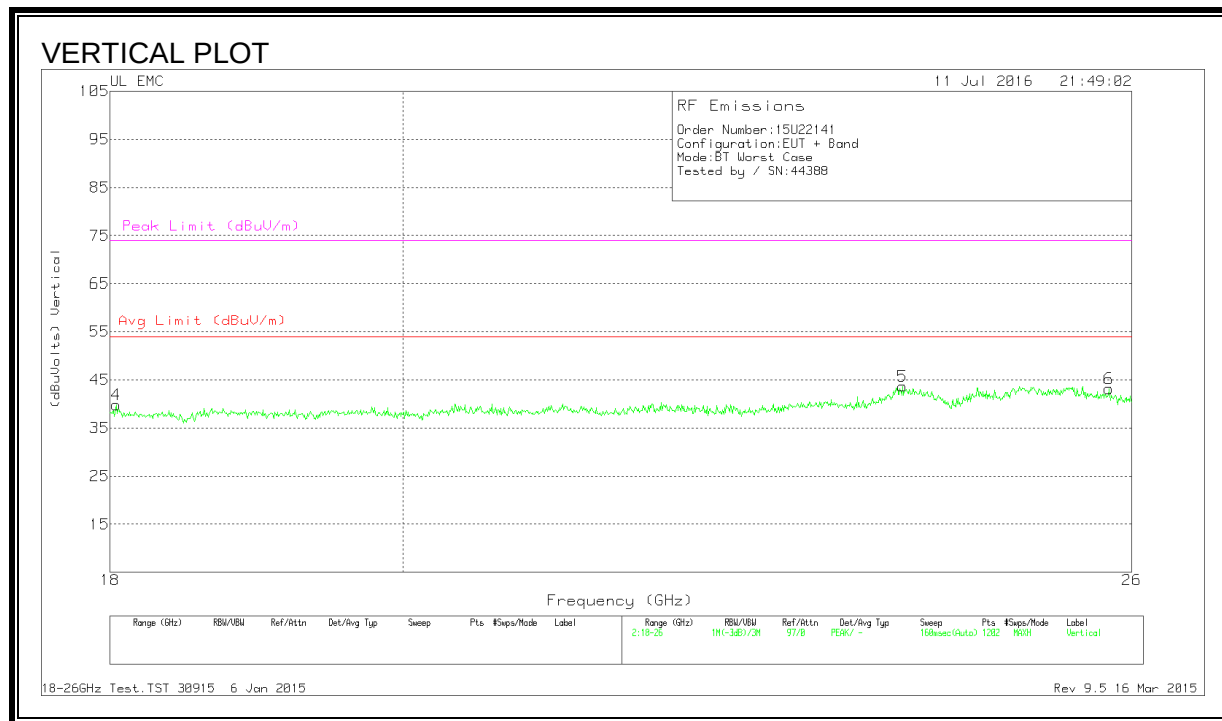
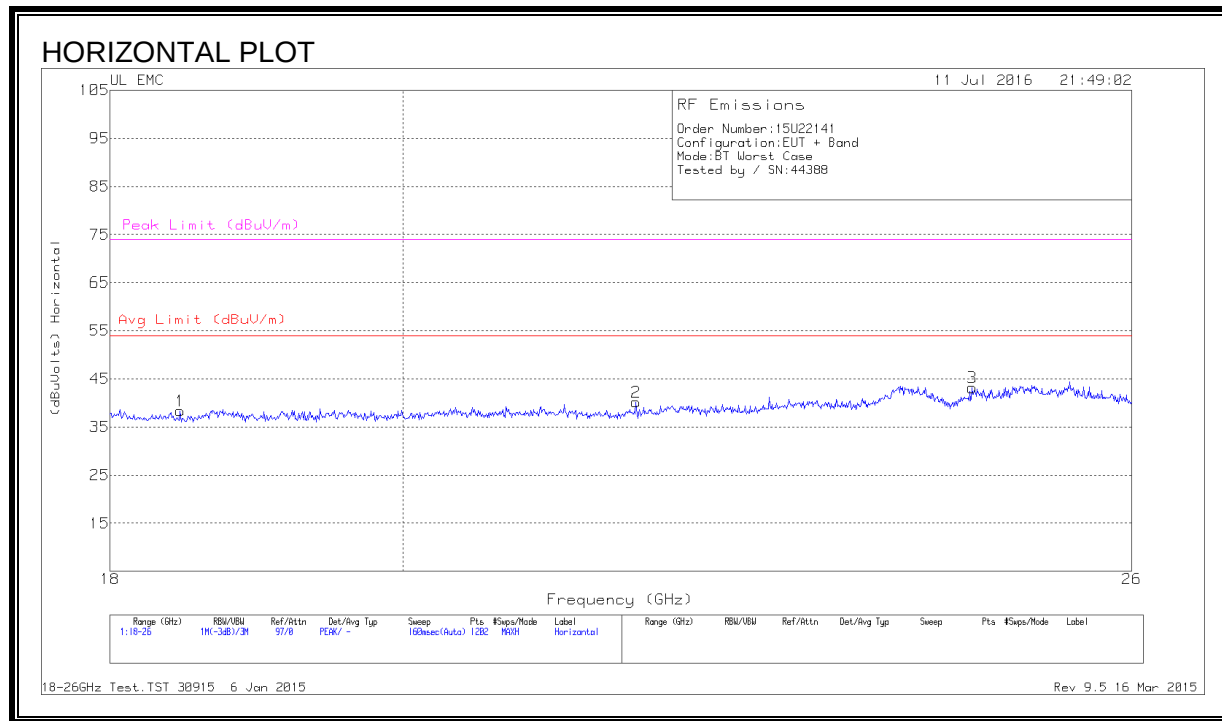
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T185 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 116.615	40.7	Pk	17.6	-31	27.3	43.52	-16.22	0-360	299	H
2	* 136.4625	37.14	Pk	17.5	-30.9	23.74	43.52	-19.78	0-360	199	H
3	* 164.5125	40.1	Pk	16	-30.6	25.5	43.52	-18.02	0-360	99	H
4	* 113.64	37.16	Pk	17.1	-31	23.26	43.52	-20.26	0-360	100	V
5	* 170.2925	40.3	Pk	15.6	-30.7	25.2	43.52	-18.32	0-360	100	V
6	* 404.9	32.92	Pk	19.8	-29.4	23.32	46.02	-22.7	0-360	100	V

Pk - Peak detector

8.4. WORST-CASE ABOVE 18 GHz

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



Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T449 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	18.46	40.93	Pk	32.5	-25.6	-9.5	38.33	54	-15.67	74	-35.67
2	21.75	41.37	Pk	33.2	-24.9	-9.5	40.17	54	-13.83	74	-33.83
3	24.548	42.67	Pk	34.1	-24.1	-9.5	43.17	54	-10.83	74	-30.83
4	18.04	41.93	Pk	32.6	-25.2	-9.5	39.83	54	-14.17	74	-34.17
5	23.942	43.37	Pk	34	-24.2	-9.5	43.67	54	-10.33	74	-30.33
6	25.787	43.07	Pk	34.3	-24.7	-9.5	43.17	54	-10.83	74	-30.83

Pk - Peak detector

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.