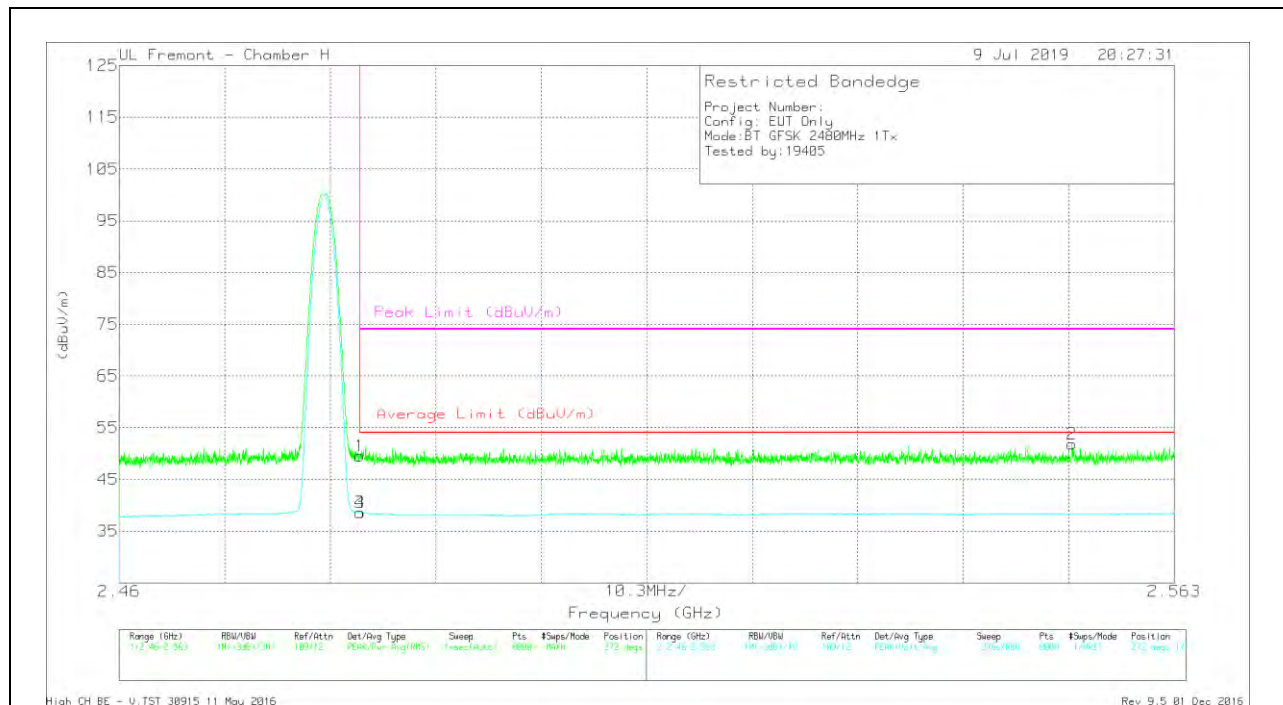


VERTICAL RESULT

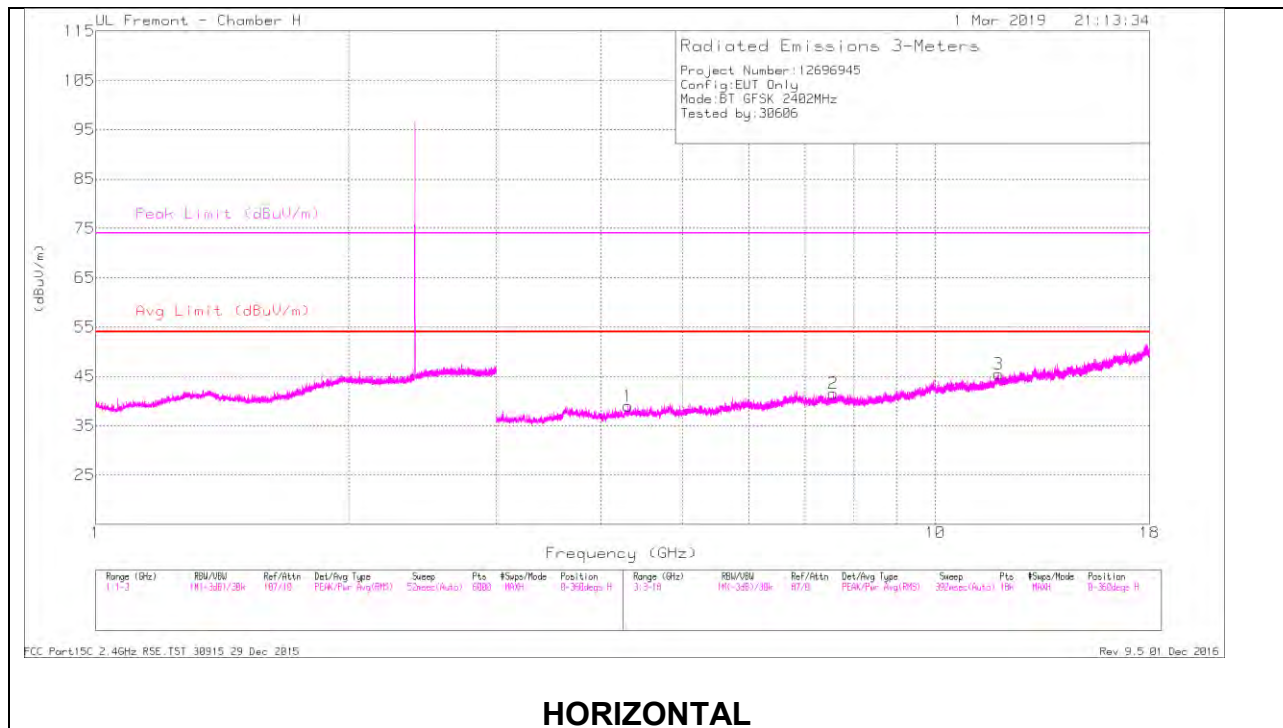
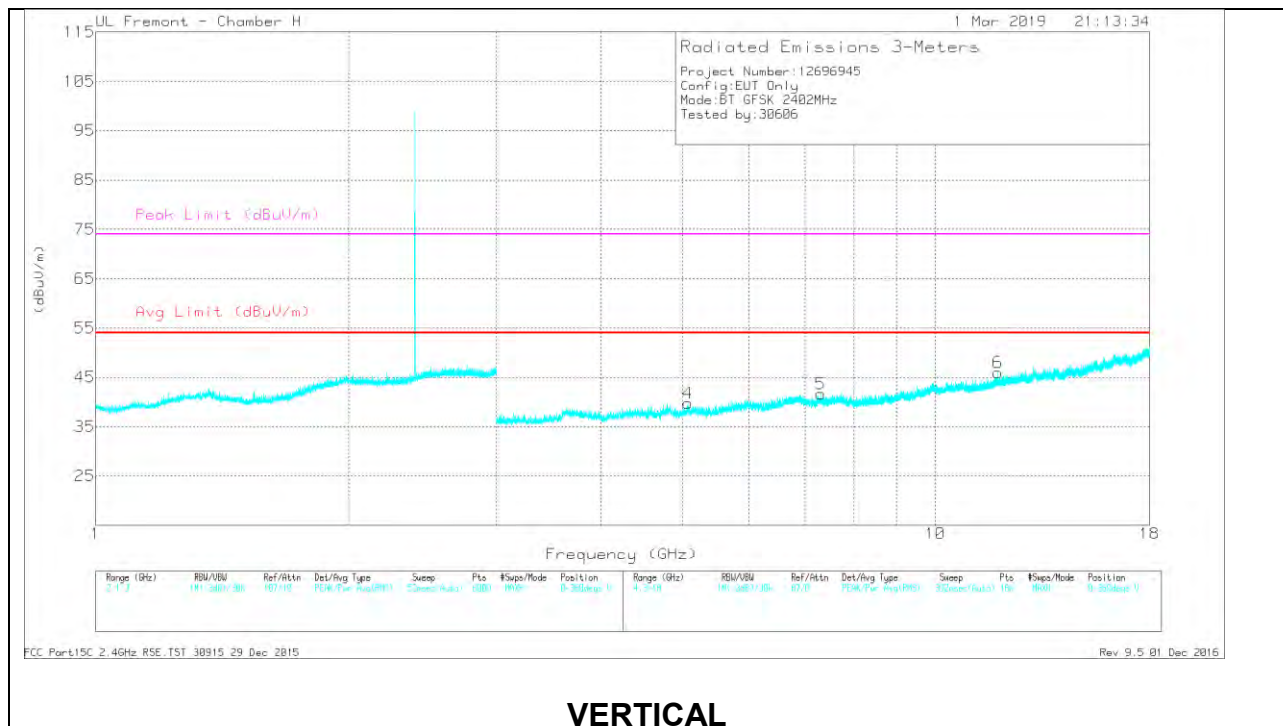


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.54	Pk	32.5	-21.5	49.54	-	-	74	-24.46	272	178	V
3	* 2.484	27.57	VA1T	32.5	-21.5	38.57	54	-15.43	-	-	272	178	V
4	* 2.484	27.57	VA1T	32.5	-21.5	38.57	54	-15.43	-	-	272	178	V
2	2.553	40.63	Pk	32.5	-21.3	51.83	-	-	74	-22.17	272	178	V

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

Pk - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS****HORIZONTAL****VERTICAL**

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.304	40.46	PKFH	33.7	-29.9	44.26	-	-	74	-29.74	146	239	H
* 4.303	28.07	VA1T	33.7	-29.9	31.87	54	-22.13	-	-	146	239	H
* 7.563	38.45	PKFH	36.5	-27.5	47.45	-	-	74	-26.55	297	154	H
* 7.564	25.82	VA1T	36.5	-27.5	34.82	54	-19.18	-	-	297	154	H
* 11.897	34.63	PKFH	38.7	-22.9	50.43	-	-	74	-23.57	266	388	H
* 11.895	23.08	VA1T	38.7	-22.9	38.88	54	-15.12	-	-	266	388	H
* 5.078	40.21	PKFH	34.4	-29.4	45.21	-	-	74	-28.79	130	150	V
* 5.076	28.31	VA1T	34.4	-29.4	33.31	54	-20.69	-	-	130	150	V
* 7.307	36.91	PKFH	36.4	-26.4	46.91	-	-	74	-27.09	286	328	V
* 7.306	25.58	VA1T	36.4	-26.5	35.48	54	-18.52	-	-	286	328	V
* 11.872	34.62	PKFH	38.7	-22.7	50.62	-	-	74	-23.38	279	188	V
* 11.871	23.03	VA1T	38.7	-22.7	39.03	54	-14.97	-	-	279	188	V

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

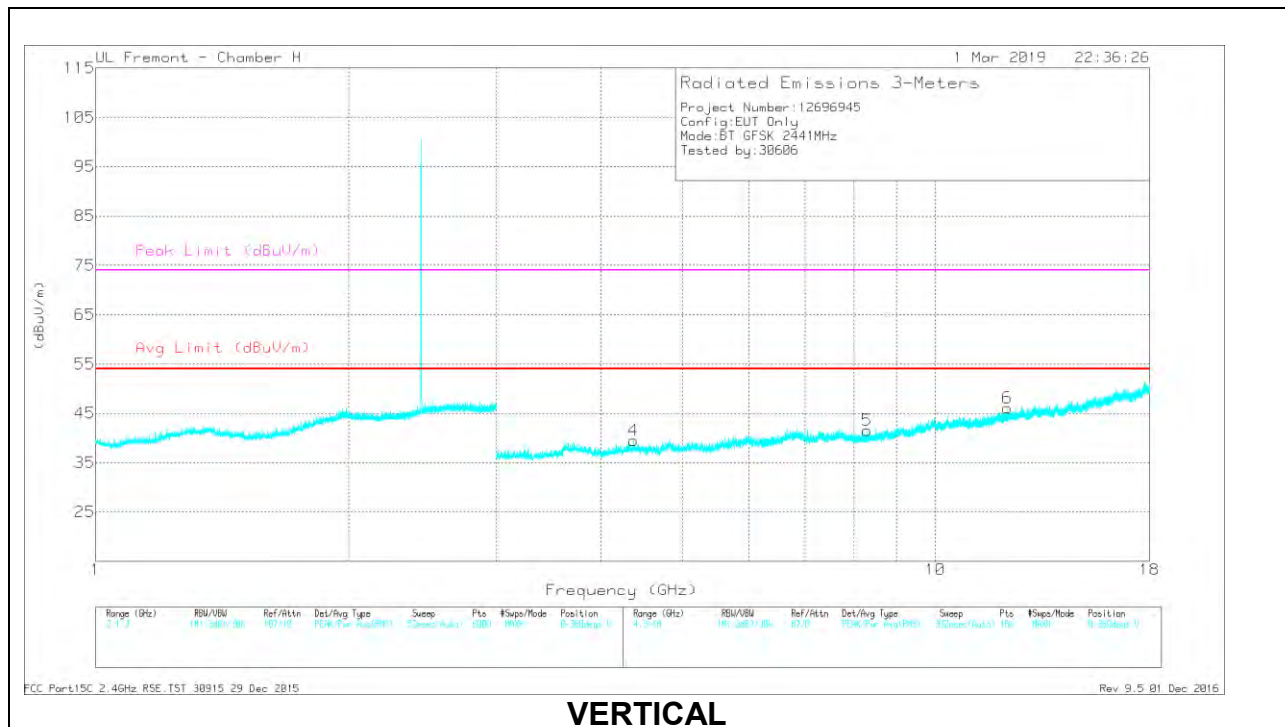
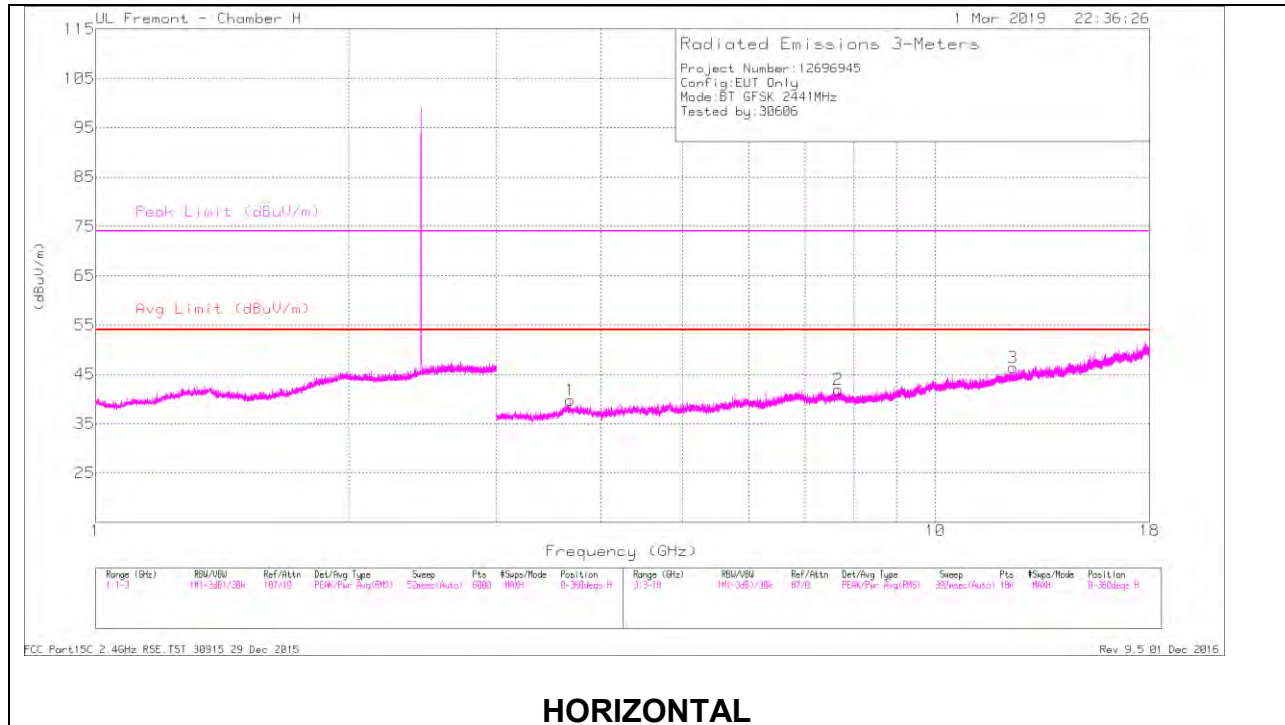
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

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MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/F ltrl/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	* 3.676	40.04	PKFH	33.1	-30	43.14	-	-	74	-30.86	187	280	H
	* 3.678	28.49	VA1T	33.1	-30	31.59	54	-22.41	-	-	187	280	H
2	* 7.664	37.13	PKFH	36.6	-27	46.73	-	-	74	-27.27	24	223	H
	* 7.662	25.65	VA1T	36.6	-26.9	35.35	54	-18.65	-	-	24	223	H
3	* 12.381	34.82	PKFH	39.1	-23.4	50.52	-	-	74	-23.48	351	139	H
	* 12.381	23.27	VA1T	39.1	-23.4	38.97	54	-15.03	-	-	351	139	H
4	* 4.373	39.64	PKFH	33.9	-29.9	43.64	-	-	74	-30.36	303	338	V
	* 4.376	28.13	VA1T	33.8	-29.9	32.03	54	-21.97	-	-	303	338	V
5	* 8.296	36.8	PKFH	35.9	-25.8	46.9	-	-	74	-27.1	238	342	V
	* 8.296	24.69	VA1T	35.9	-25.8	34.79	54	-19.21	-	-	238	342	V
6	* 12.181	35.25	PKFH	39	-23.1	51.15	-	-	74	-22.85	343	209	V
	* 12.181	23.06	VA1T	39	-23.1	38.96	54	-15.04	-	-	343	209	V

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

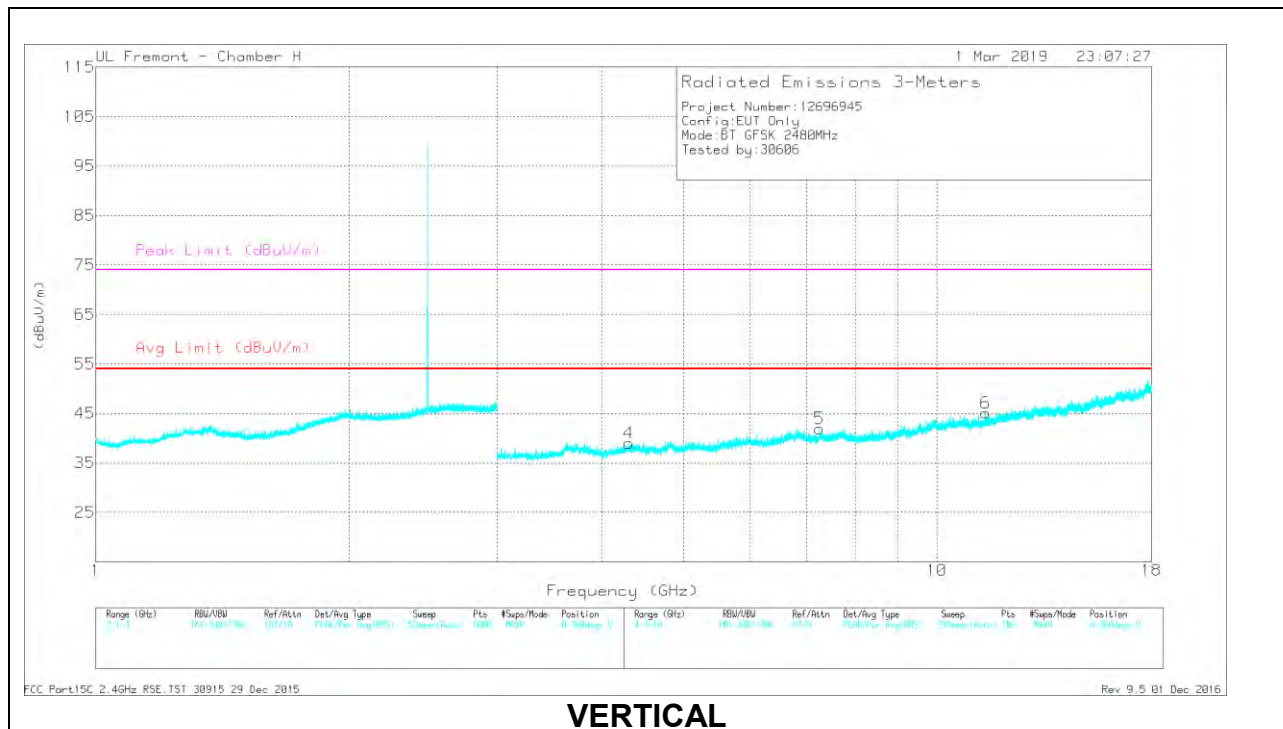
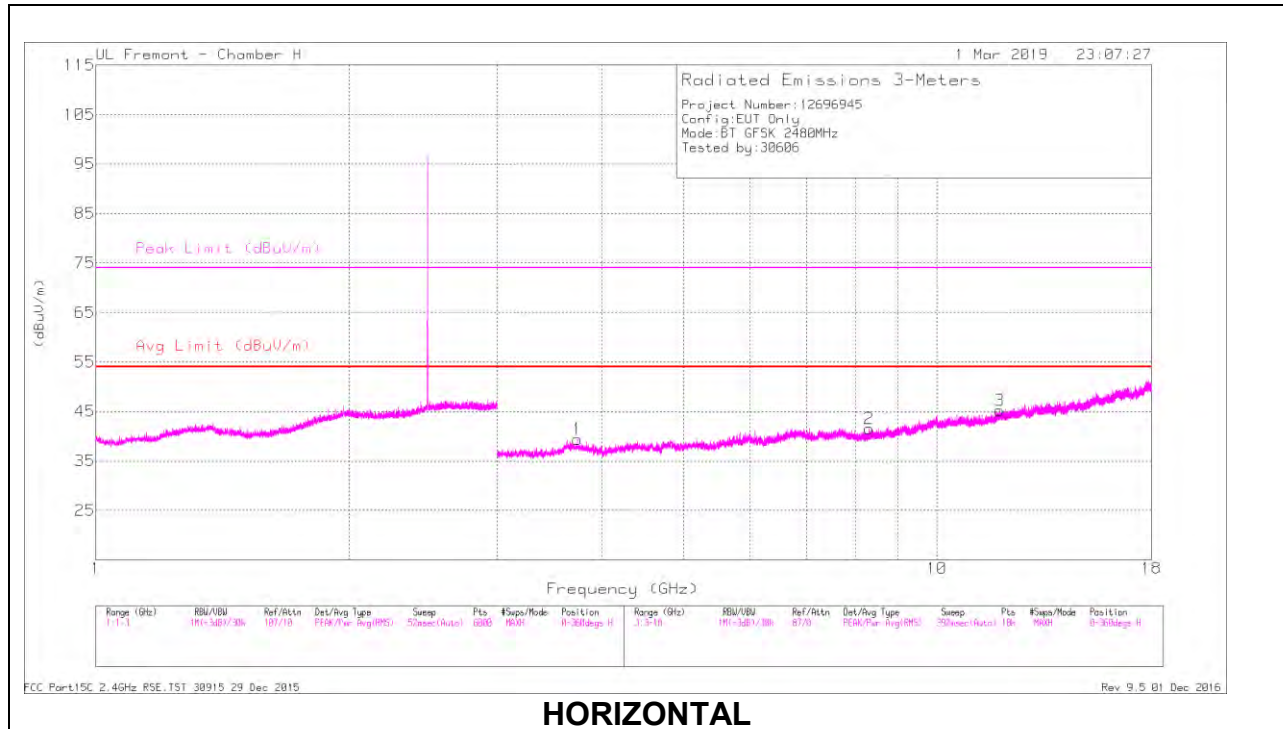
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

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HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.736	41.12	PKFH	33.2	-30.9	43.42	-	-	74	-30.58	310	330	H
* 3.738	29.5	VA1T	33.3	-30.9	31.9	54	-22.1	-	-	310	330	H
* 8.307	36.67	PKFH	35.8	-25.6	46.87	-	-	74	-27.13	350	161	H
* 8.303	24.61	VA1T	35.8	-25.8	34.61	54	-19.39	-	-	350	161	H
* 11.871	35.71	PKFH	38.7	-22.7	51.71	-	-	74	-22.29	218	376	H
* 11.871	23.09	VA1T	38.7	-22.7	39.09	54	-14.91	-	-	218	376	H
* 4.307	40.16	PKFH	33.8	-30	43.96	-	-	74	-30.04	271	109	V
* 4.305	28.21	VA1T	33.7	-29.9	32.01	54	-21.99	-	-	271	109	V
* 7.258	38.26	PKFH	36.4	-27.2	47.46	-	-	74	-26.54	45	273	V
* 7.256	26.17	VA1T	36.4	-27.2	35.37	54	-18.63	-	-	45	273	V
* 11.442	34.29	PKFH	38.2	-23.1	49.39	-	-	74	-24.61	201	393	V
* 11.44	22.97	VA1T	38.2	-23.2	37.97	54	-16.03	-	-	201	393	V

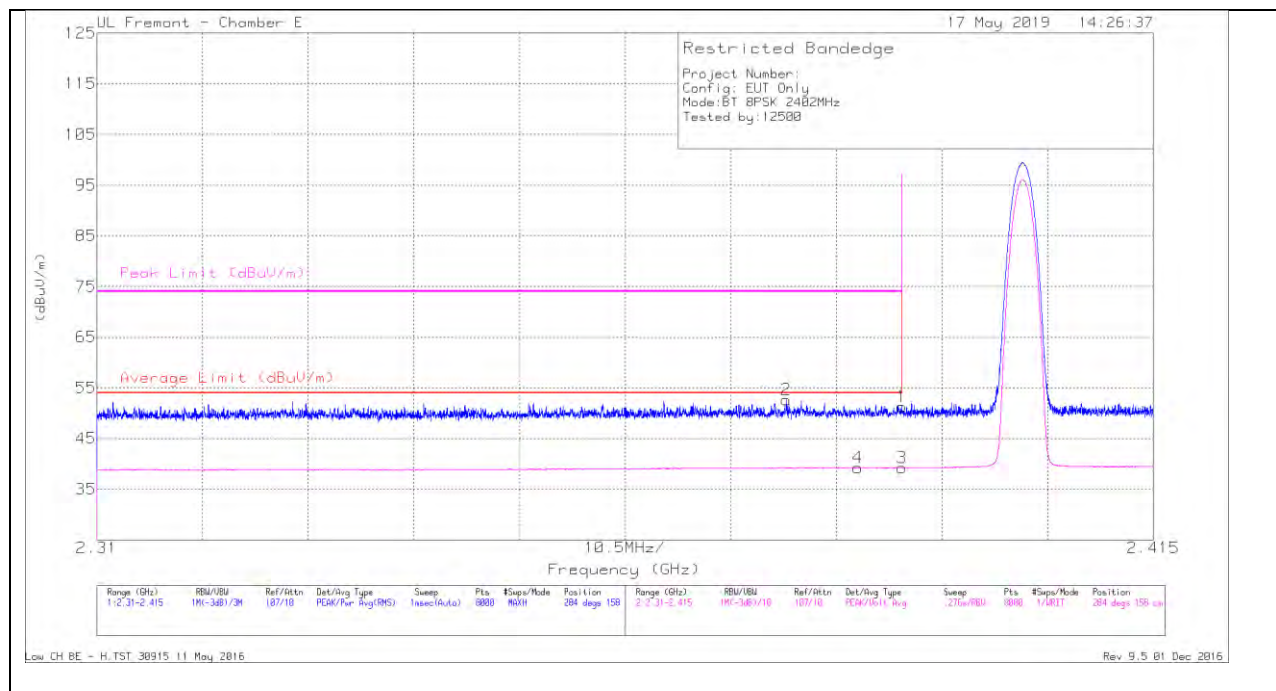
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

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

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9.1.4. LOW POWER ENHANCED DATA RATE 8PSK MODULATION**Antenna 2****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.2	Pk	32.3	-26.2	51.3	-	-	74	-22.7	284	158	H
2	* 2.379	46.62	Pk	32.2	-26.2	52.62	-	-	74	-21.38	284	158	H
3	* 2.39	33.15	VA1T	32.3	-26.2	39.25	54	-14.75	-	-	284	158	H
4	* 2.386	33.27	VA1T	32.3	-26.3	39.27	54	-14.73	-	-	284	158	H

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

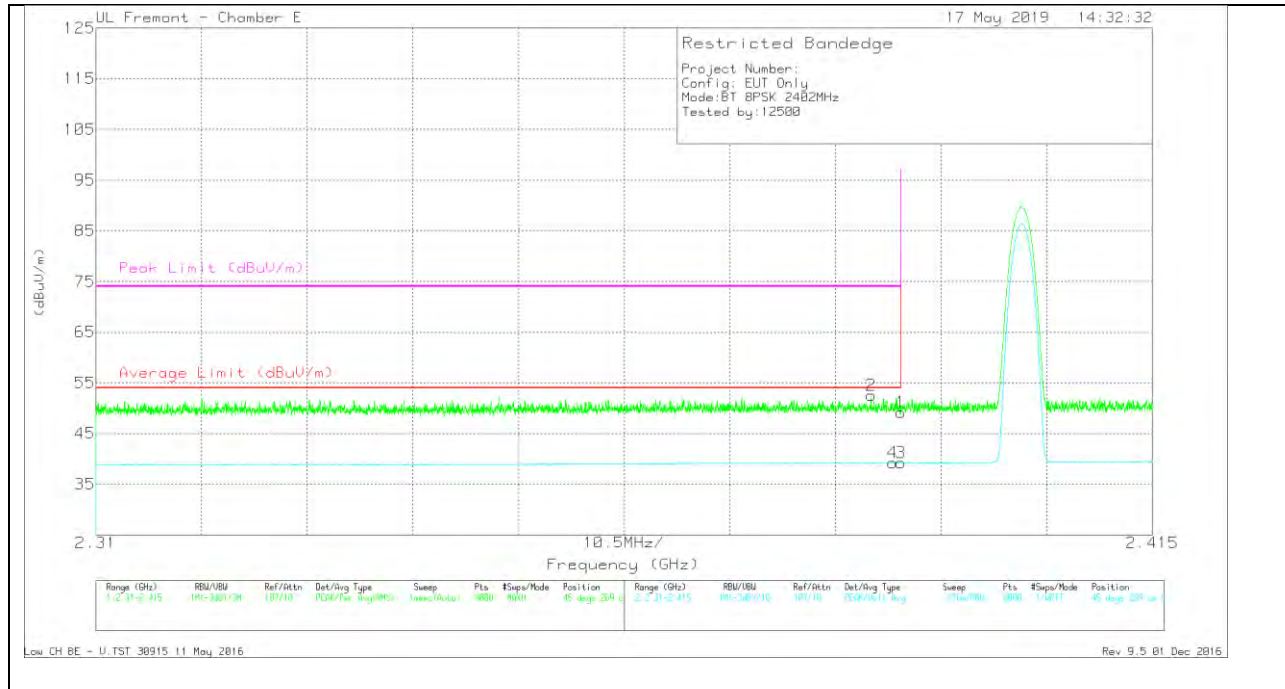
Pk - Peak detector

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

Low CH BE - H.TST 30915 11 May 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.04	Pk	32.3	-26.2	49.14	-	-	74	-24.86	45	269	V
2	* 2.387	46.47	Pk	32.3	-26.3	52.47	-	-	74	-21.53	45	269	V
3	* 2.39	33.11	VA1T	32.3	-26.2	39.21	54	-14.79	-	-	45	269	V
4	* 2.389	33.16	VA1T	32.3	-26.2	39.26	54	-14.74	-	-	45	269	V

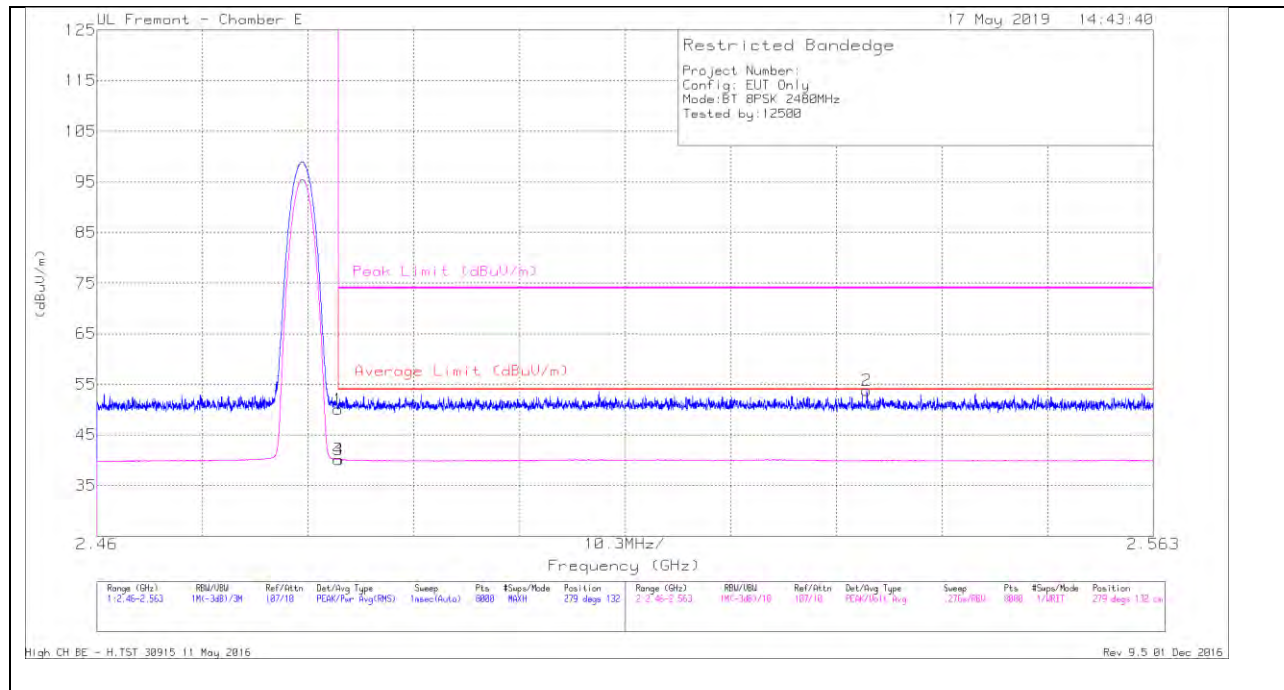
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

Low CH BE - V.TST 30915 11 May 2016

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BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.59	Pk	32.8	-26.3	50.09	-	-	74	-23.91	279	132	H
3	* 2.484	33.62	VA1T	32.8	-26.3	40.12	54	-13.88	-	-	279	132	H
4	* 2.484	33.63	VA1T	32.8	-26.3	40.13	54	-13.87	-	-	279	132	H
2	2.535	47.24	Pk	32.9	-26.4	53.74	-	-	74	-20.26	279	132	H

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

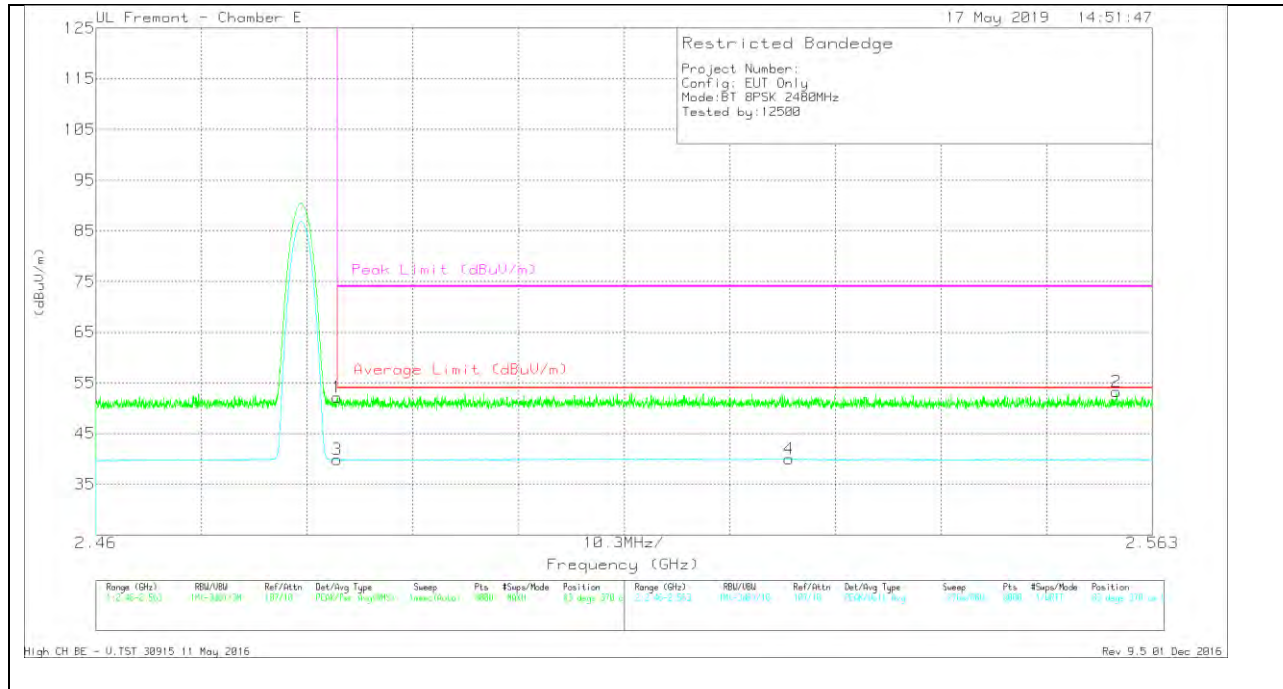
Pk - Peak detector

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

High CH BE - H.TST 30915 11 May 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.68	Pk	32.8	-26.3	52.18	-	-	74	-21.82	83	370	V
3	* 2.484	33.35	VA1T	32.8	-26.3	39.85	54	-14.15	-	-	83	370	V
4	2.528	33.34	VA1T	32.9	-26.2	40.04	54	-13.96	-	-	83	370	V
2	2.56	46.81	Pk	32.8	-26.3	53.31	-	-	74	-20.69	83	370	V

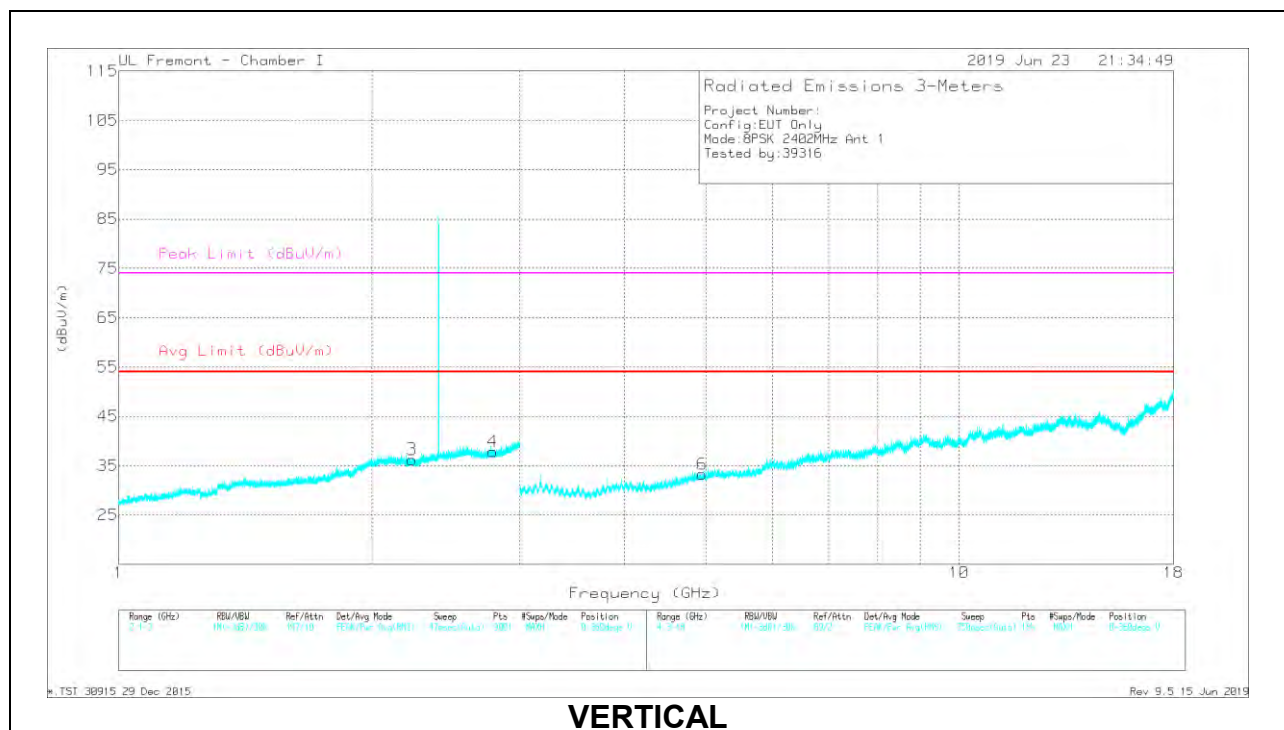
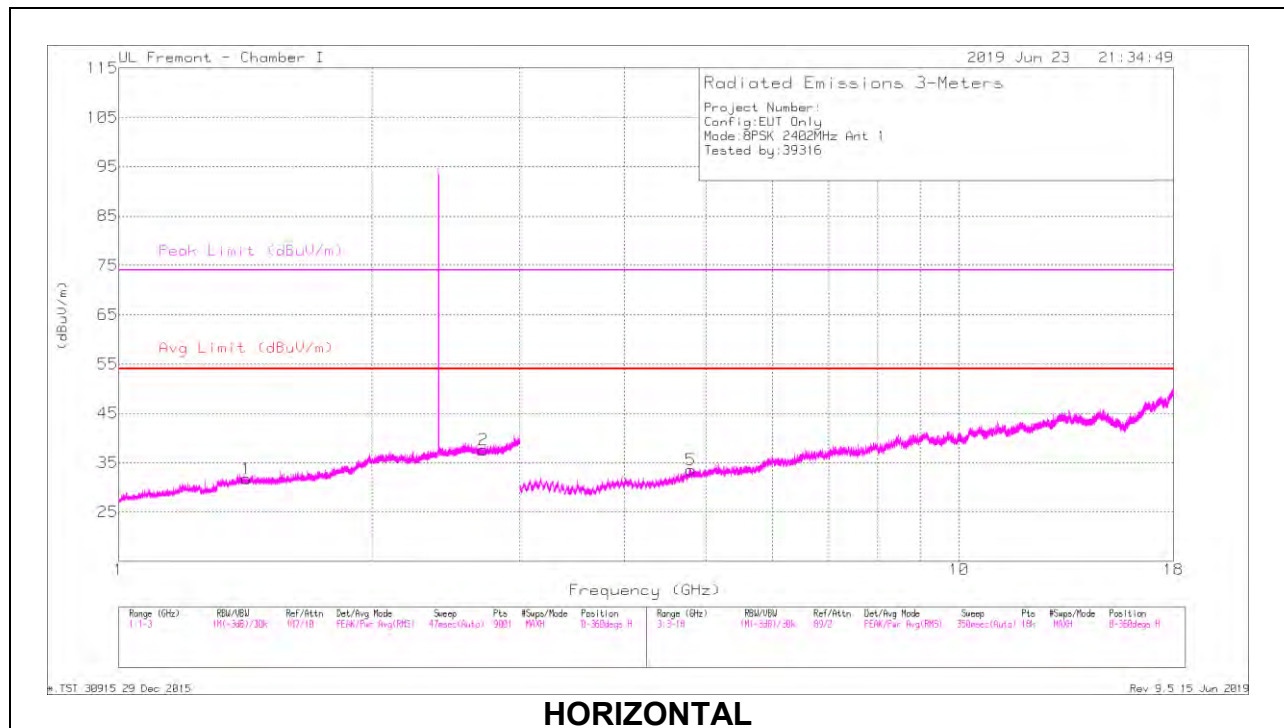
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

High CH BE - V.TST 30915 11 May 2016

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HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

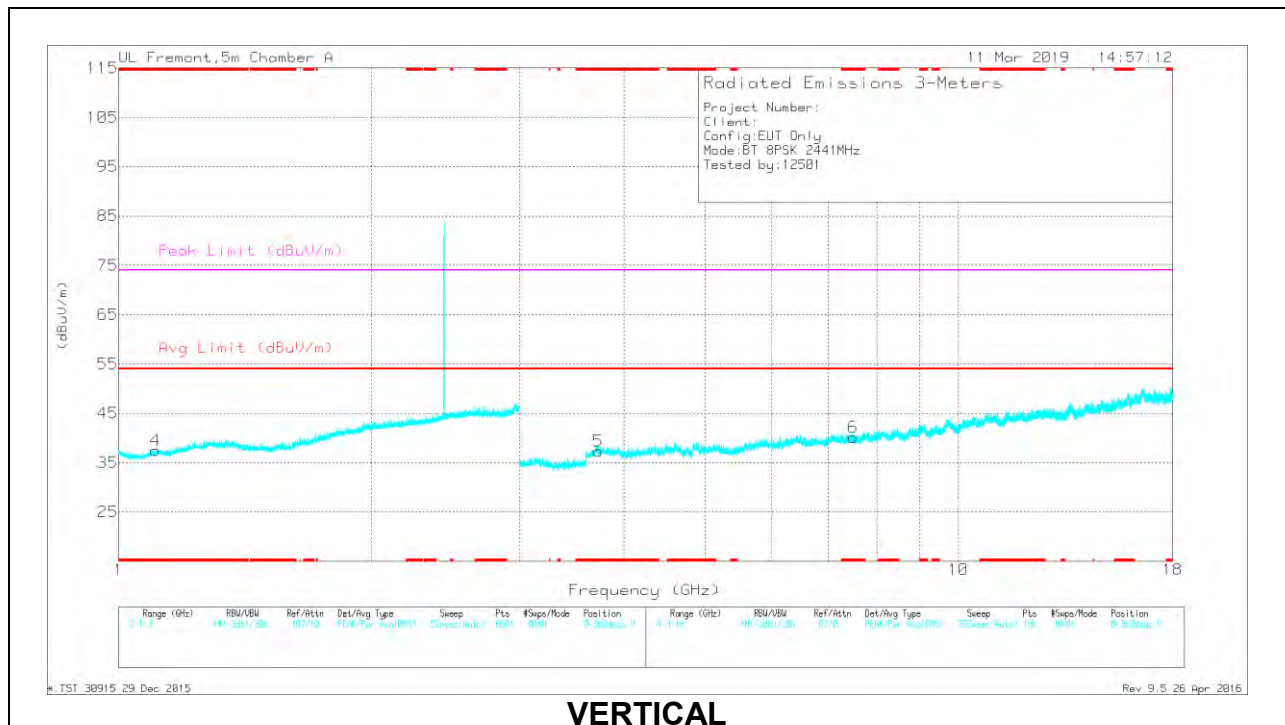
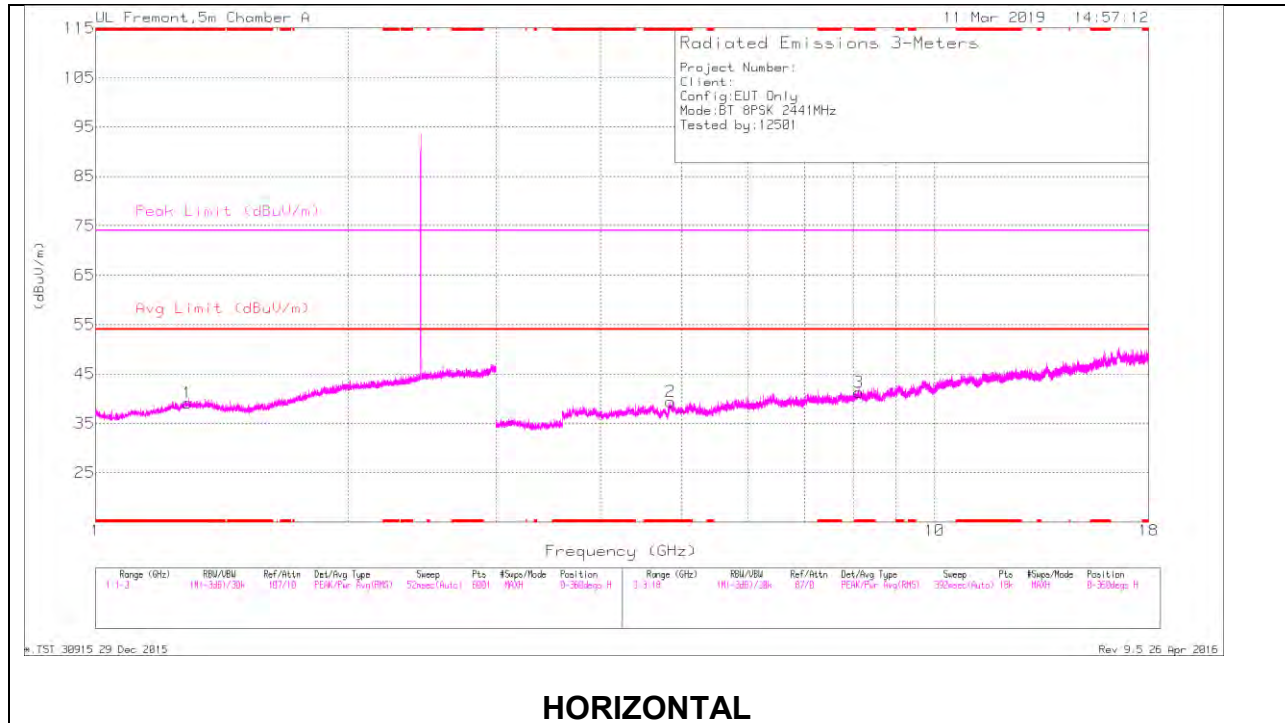
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE019081 0 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.4191	36.27	PKFH	24.8	-20.9	40.17	-	-	74	-33.83	120	100	H
	* 1.4216	22.82	VA1T	24.8	-21	26.62	54	-27.38	-	-	120	100	H
2	* 2.71679	36.99	PKFH	29.4	-19.8	46.59	-	-	74	-27.41	240	100	H
	* 2.71977	22.86	VA1T	29.4	-19.8	32.46	54	-21.54	-	-	240	100	H
3	* 2.23488	36.36	PKFH	28	-19.4	44.96	-	-	74	-29.04	37	196	V
	* 2.23553	22.54	VA1T	28	-19.4	31.14	54	-22.86	-	-	37	196	V
4	* 2.78838	37.22	PKFH	29.3	-19.7	46.82	-	-	74	-27.18	55	100	V
	* 2.78954	22.96	VA1T	29.3	-19.7	32.56	54	-21.44	-	-	55	100	V
5	* 4.79856	35.86	PKFH	33	-27.9	40.96	-	-	74	-33.04	115	100	H
	* 4.79899	22.79	VA1T	33.1	-27.9	27.99	54	-26.01	-	-	115	100	H
6	* 4.94629	36.71	PKFH	33.5	-29	41.21	-	-	74	-32.79	235	197	V
	* 4.94852	23.68	VA1T	33.5	-29	28.18	54	-25.82	-	-	235	197	V

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

PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak

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

MID CHANNEL RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.286	40.8	PKFH	29.2	-25	45	-	-	74	-29	37	179	H
* 1.289	29.73	VA1T	29.1	-24.9	33.93	54	-20.07	-	-	37	179	H
* 1.105	40.91	PKFH	27.7	-25.3	43.31	-	-	74	-30.69	90	118	V
* 1.105	29.85	VA1T	27.7	-25.3	32.25	54	-21.75	-	-	90	118	V
* 4.844	38	PKFH	34.1	-27	45.1	-	-	74	-28.9	286	236	H
* 4.847	26.77	VA1T	34.1	-27	33.87	54	-20.13	-	-	286	236	H
* 8.125	33.84	PKFH	35.8	-22.4	47.24	-	-	74	-26.76	178	204	H
* 8.126	22.61	VA1T	35.8	-22.4	36.01	54	-17.99	-	-	178	204	H
* 3.727	39	PKFH	33.3	-28.9	43.4	-	-	74	-30.6	147	318	V
* 3.728	27.45	VA1T	33.3	-29	31.75	54	-22.25	-	-	147	318	V
* 7.495	33.6	PKFH	35.7	-23.1	46.2	-	-	74	-27.8	16	265	V
* 7.495	22.57	VA1T	35.7	-23.1	35.17	54	-18.83	-	-	16	265	V

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

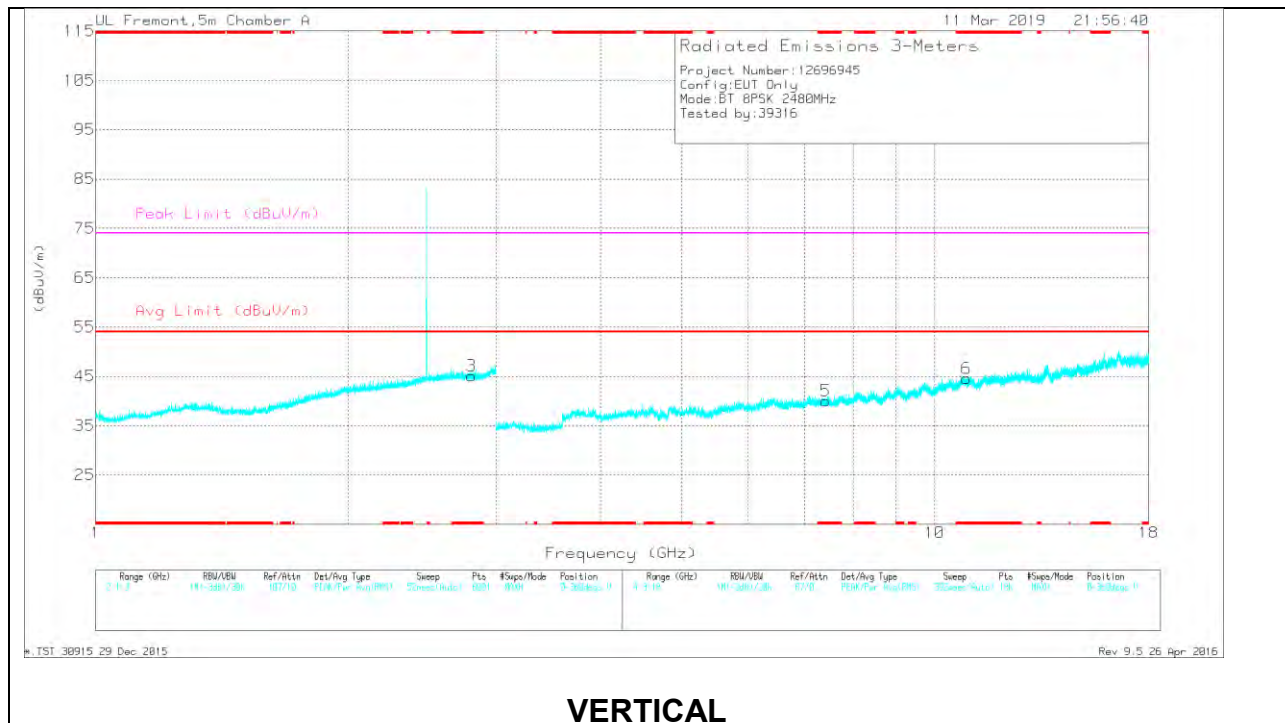
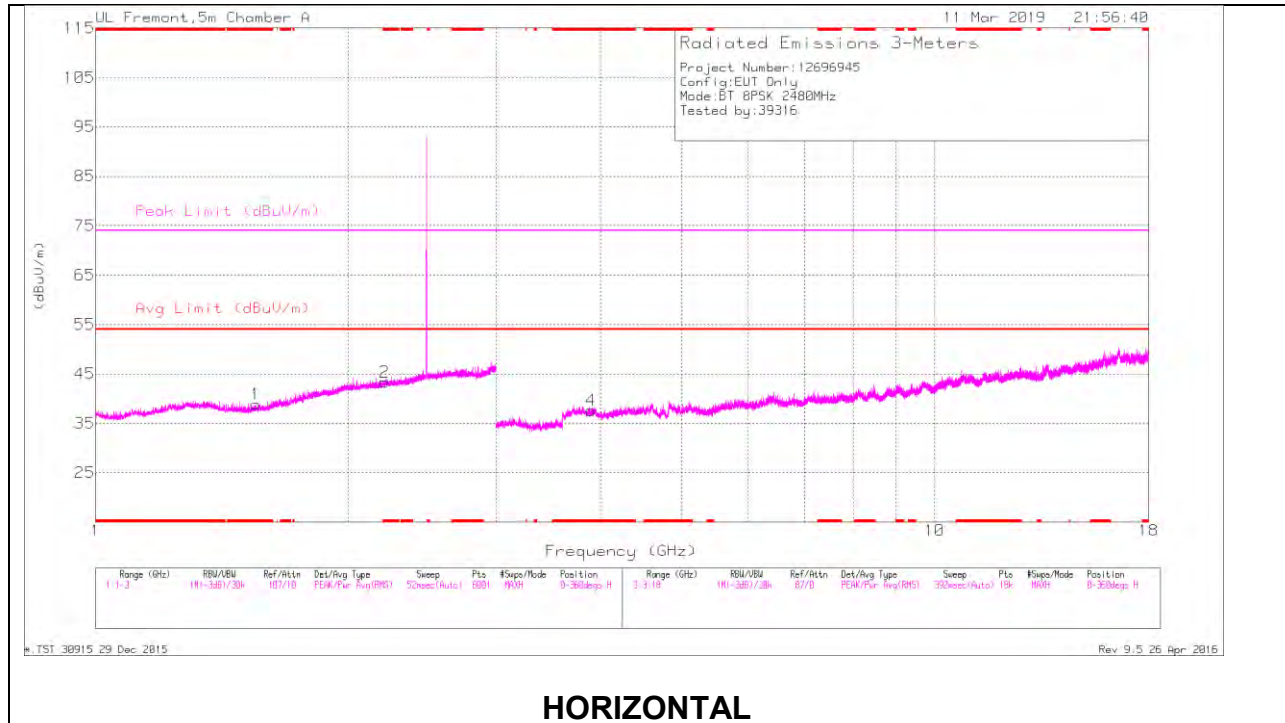
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

* TST 30915 29 Dec 2015

Rev 9.5 26 Apr 2016

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F lter/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	* 1.55	41.13	PKFH	28.1	-24.3	44.93	-	-	74	-29.07	68	207	H
	* 1.55	29.26	VA1T	28.1	-24.3	33.06	54	-20.94	-	-	68	207	H
2	* 2.214	40.36	PKFH	31.5	-22.9	48.96	-	-	74	-25.04	181	139	H
	* 2.213	29.2	VA1T	31.5	-22.9	37.8	54	-16.2	-	-	181	139	H
3	* 2.809	40.84	PKFH	32.4	-22.1	51.14	-	-	74	-22.86	214	126	V
	* 2.806	29.28	VA1T	32.4	-22.1	39.58	54	-14.42	-	-	214	126	V
4	* 3.893	39.55	PKFH	33.6	-28.9	44.25	-	-	74	-29.75	242	130	H
	* 3.895	27.67	VA1T	33.6	-28.9	32.37	54	-21.63	-	-	242	130	H
5	* 7.416	33.51	PKFH	35.7	-23.4	45.81	-	-	74	-28.19	128	144	V
	* 7.416	22.69	VA1T	35.7	-23.4	34.99	54	-19.01	-	-	128	144	V
6	* 10.916	33.03	PKFH	37.9	-20.4	50.53	-	-	74	-23.47	174	140	V
	* 10.916	21.63	VA1T	37.9	-20.4	39.13	54	-14.87	-	-	174	140	V

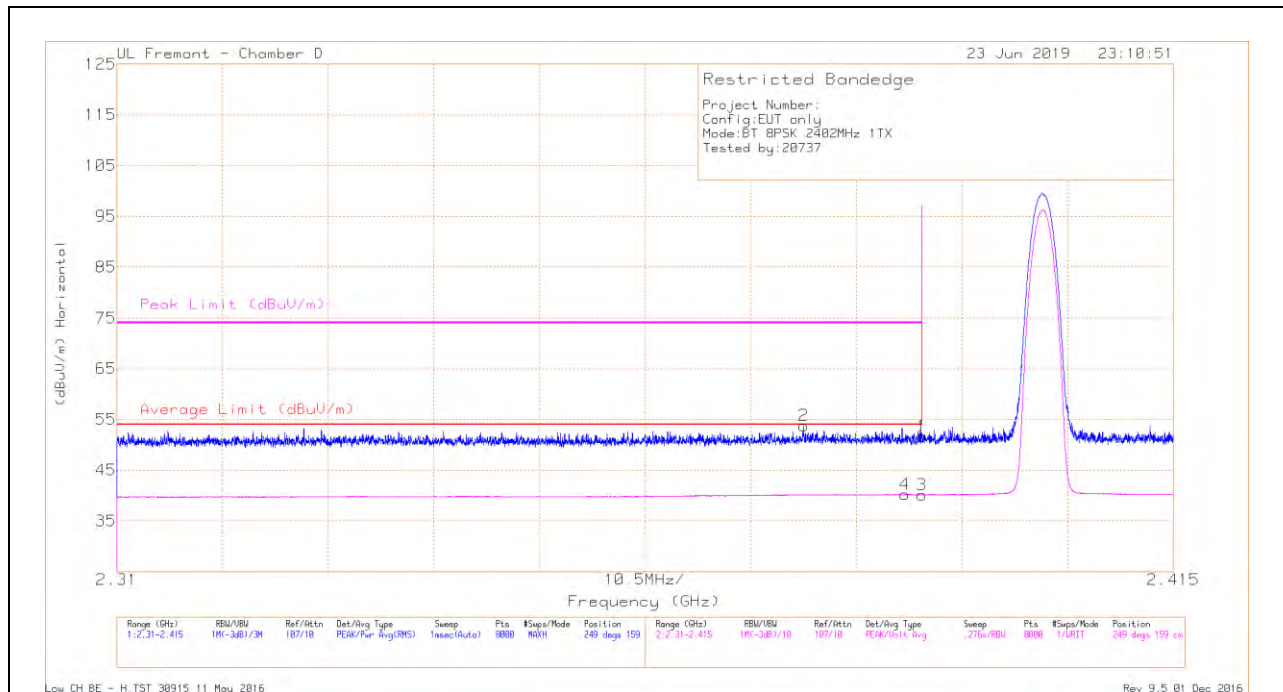
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

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

*.TST 30915 29 Dec 2015

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Antenna 5**BANEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

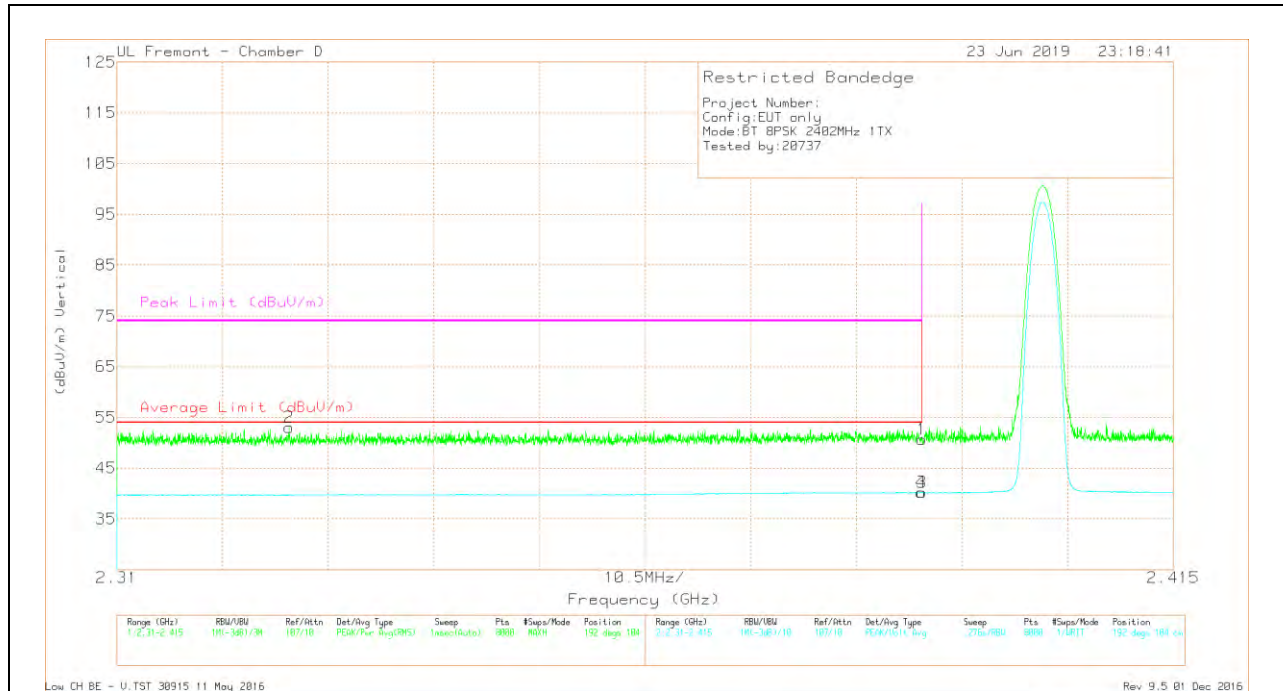
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.378	42.51	Pk	31.9	-20.6	53.81	-	-	74	-20.19	249	159	H
4	* 2.388	28.82	VA1T	32	-20.6	40.22	54	-13.78	-	-	249	159	H
1	* 2.39	40.24	Pk	32	-20.6	51.64	-	-	74	-22.36	249	159	H
3	* 2.39	28.75	VA1T	32	-20.6	40.15	54	-13.85	-	-	249	159	H

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

Pk - Peak detector

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

VERTICAL RESULT

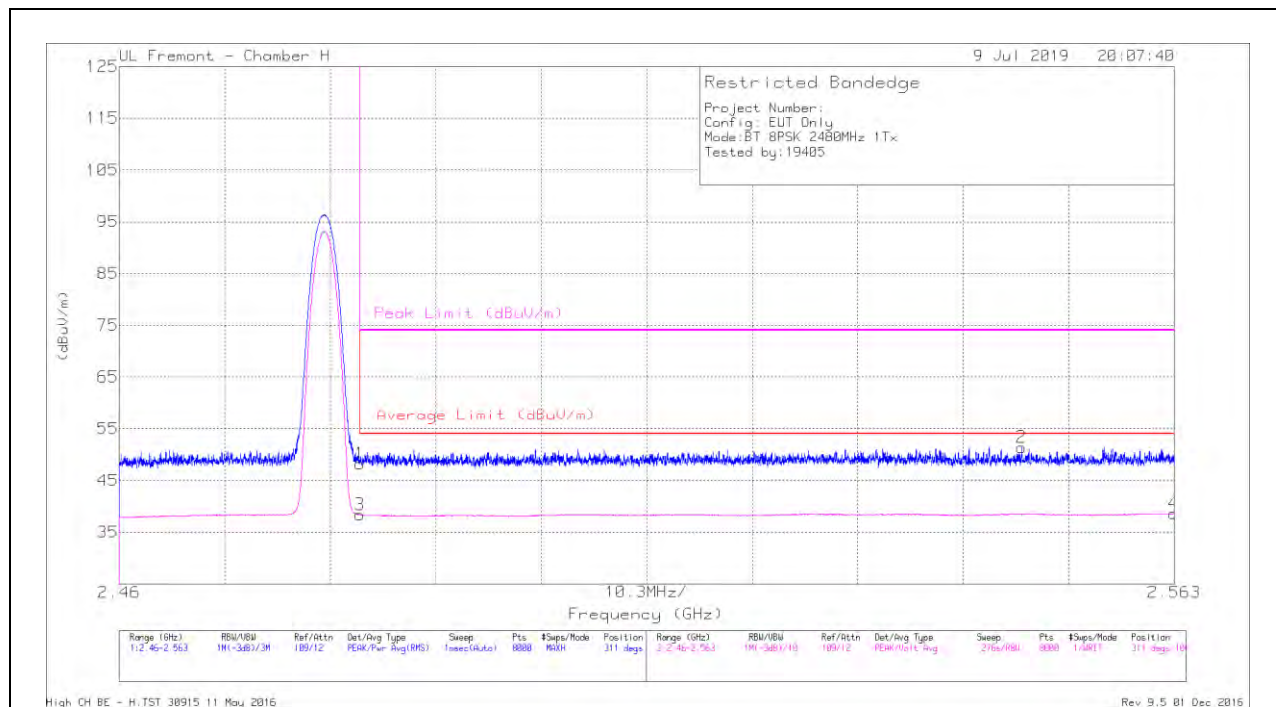


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.327	41.98	Pk	31.7	-20.7	52.98	-	-	74	-21.02	192	104	V
1	* 2.39	39.31	Pk	32	-20.6	50.71	-	-	74	-23.29	192	104	V
3	* 2.39	28.78	VA1T	32	-20.6	40.18	54	-13.82	-	-	192	104	V
4	* 2.39	28.82	VA1T	32	-20.6	40.22	54	-13.78	-	-	192	104	V

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

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

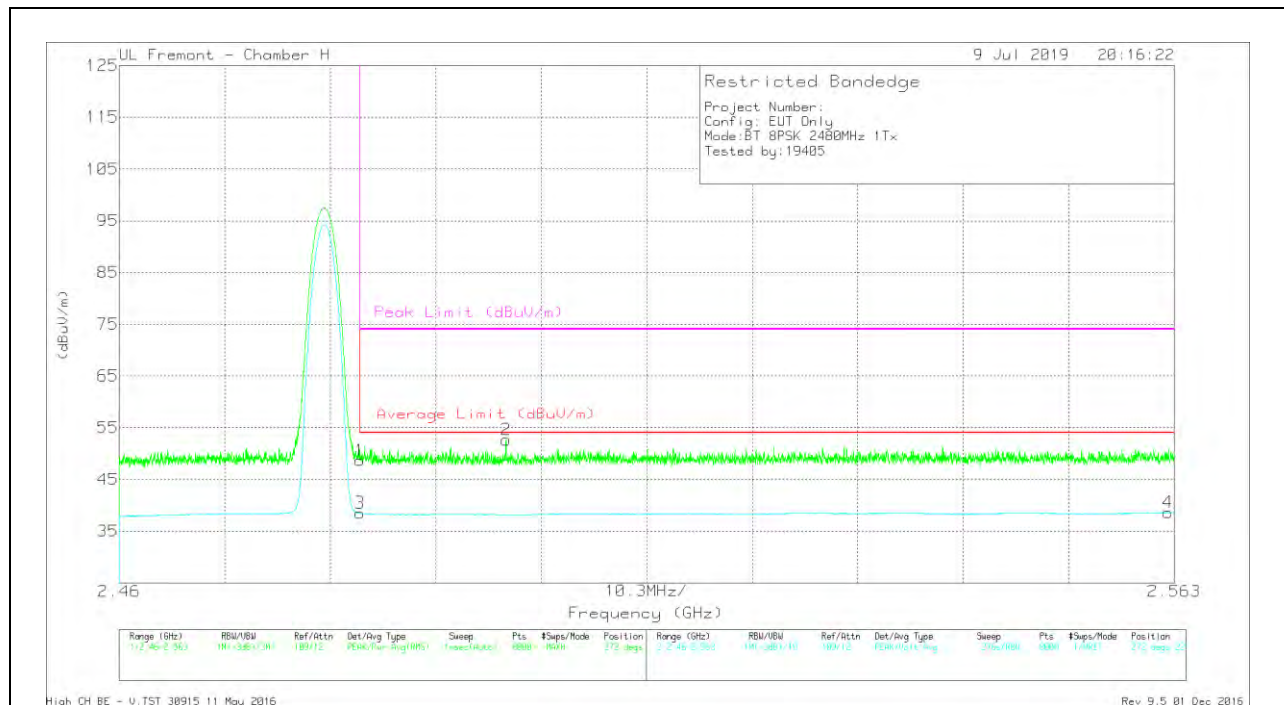
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fltr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.27	Pk	32.5	-21.5	48.27	-	-	74	-25.73	311	100	H
3	* 2.484	27.37	VA1T	32.5	-21.5	38.37	54	-15.63	-	-	311	100	H
2	2.548	40.1	Pk	32.5	-21.2	51.4	-	-	74	-22.6	311	100	H
4	2.563	27.19	VA1T	32.5	-21.1	38.59	54	-15.41	-	-	311	100	H

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

Pk - Peak detector

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

VERTICAL RESULT

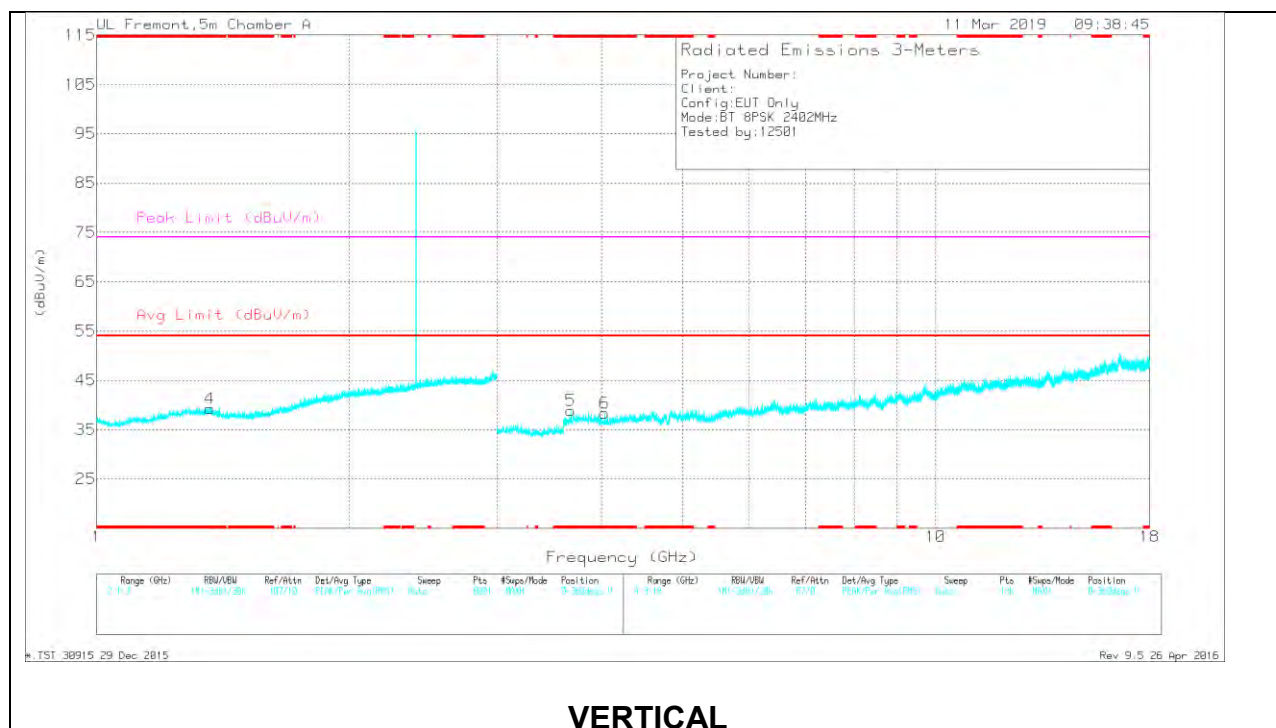
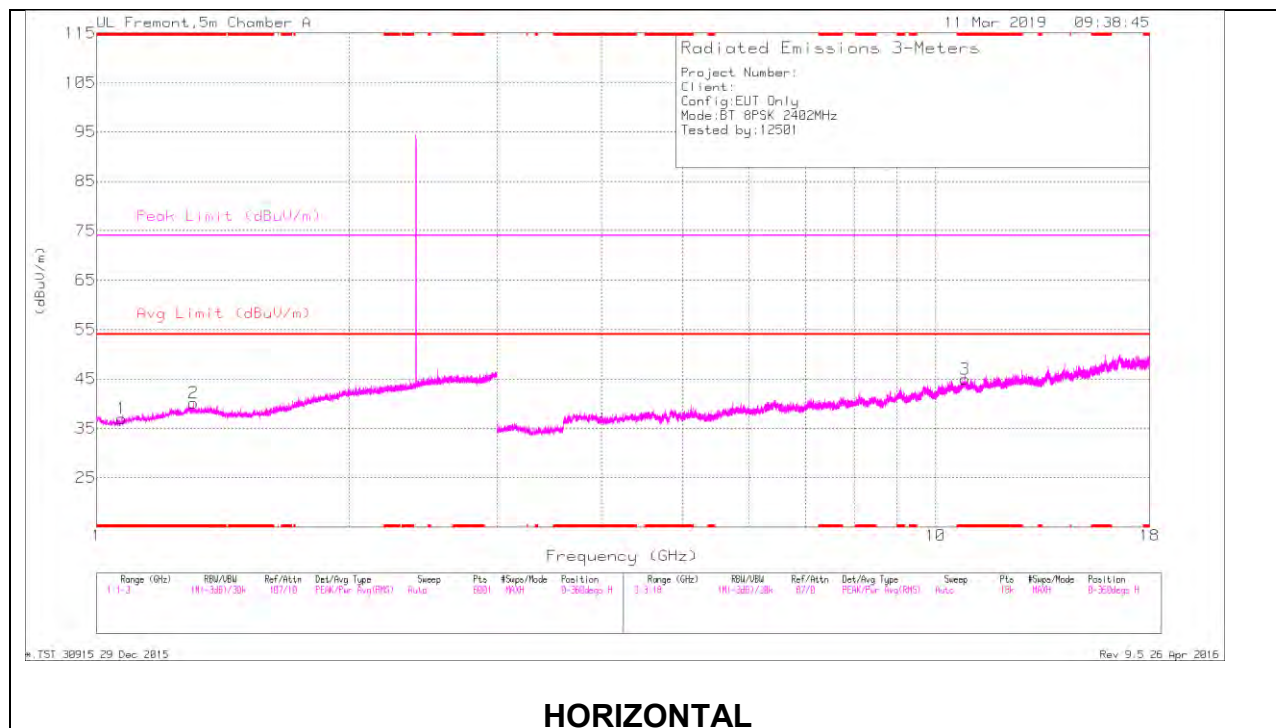


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.67	Pk	32.5	-21.5	48.67	-	-	74	-25.33	272	225	V
3	* 2.484	27.48	VA1T	32.5	-21.5	38.48	54	-15.52	-	-	272	225	V
2	* 2.498	41.56	Pk	32.5	-21.4	52.66	-	-	74	-21.34	272	225	V
4	2.562	27.2	VA1T	32.5	-21.1	38.6	54	-15.4	-	-	272	225	V

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

Pk - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.069	40.98	PKFH	27.1	-25.5	42.58	-	-	74	-31.42	245	248	H
* 1.069	29.7	VA1T	27.1	-25.5	31.3	54	-22.7	-	-	245	248	H
* 1.306	41.1	PKFH	29.1	-25	45.2	-	-	74	-28.8	108	154	H
* 1.306	29.48	VA1T	29.1	-25	33.58	54	-20.42	-	-	108	154	H
* 1.364	40.84	PKFH	29.2	-25	45.04	-	-	74	-28.96	347	209	V
* 1.364	29.5	VA1T	29.2	-25	33.7	54	-20.3	-	-	347	209	V
* 10.843	32.91	PKFH	38	-19.6	51.31	-	-	74	-22.69	187	135	H
* 10.843	21.13	VA1T	38	-19.6	39.53	54	-14.47	-	-	187	135	H
* 3.677	39.39	PKFH	33.1	-29	43.49	-	-	74	-30.51	14	101	V
* 3.68	27.31	VA1T	33.1	-28.9	31.51	54	-22.49	-	-	14	101	V
* 4.035	38.08	PKFH	33.7	-29	42.78	-	-	74	-31.22	156	116	V
* 4.038	27	VA1T	33.7	-29	31.7	54	-22.3	-	-	156	116	V

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

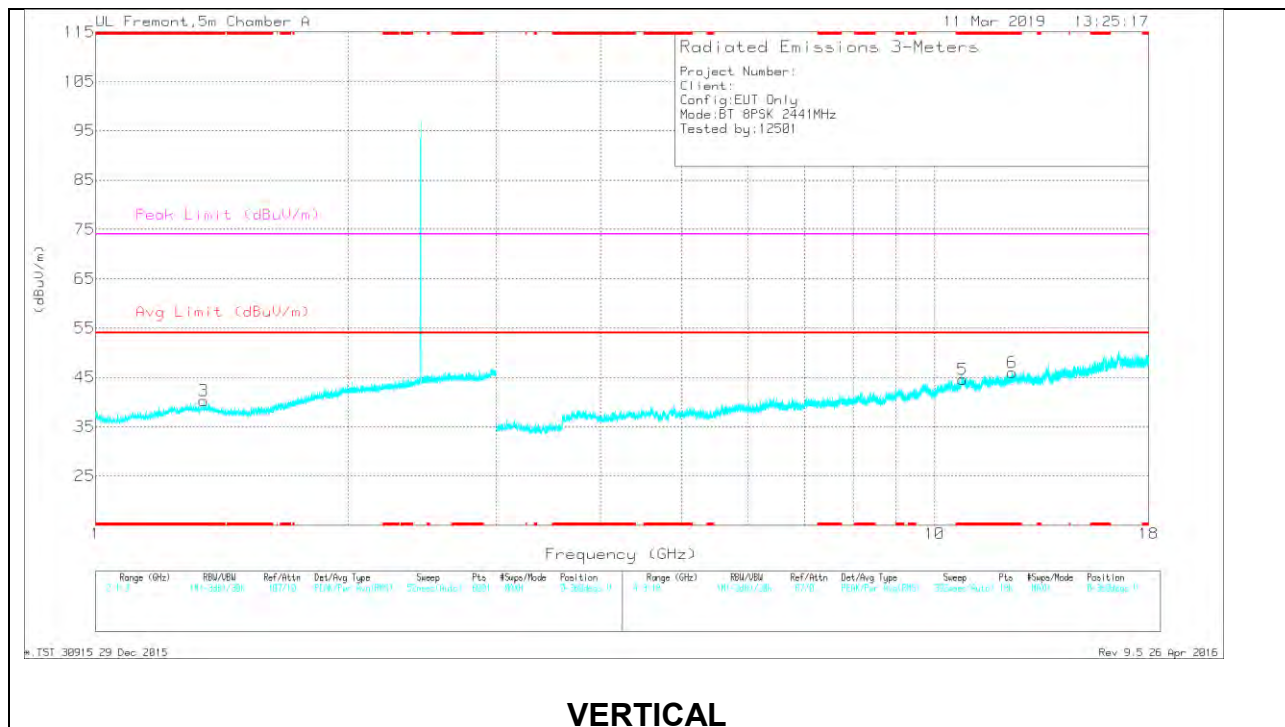
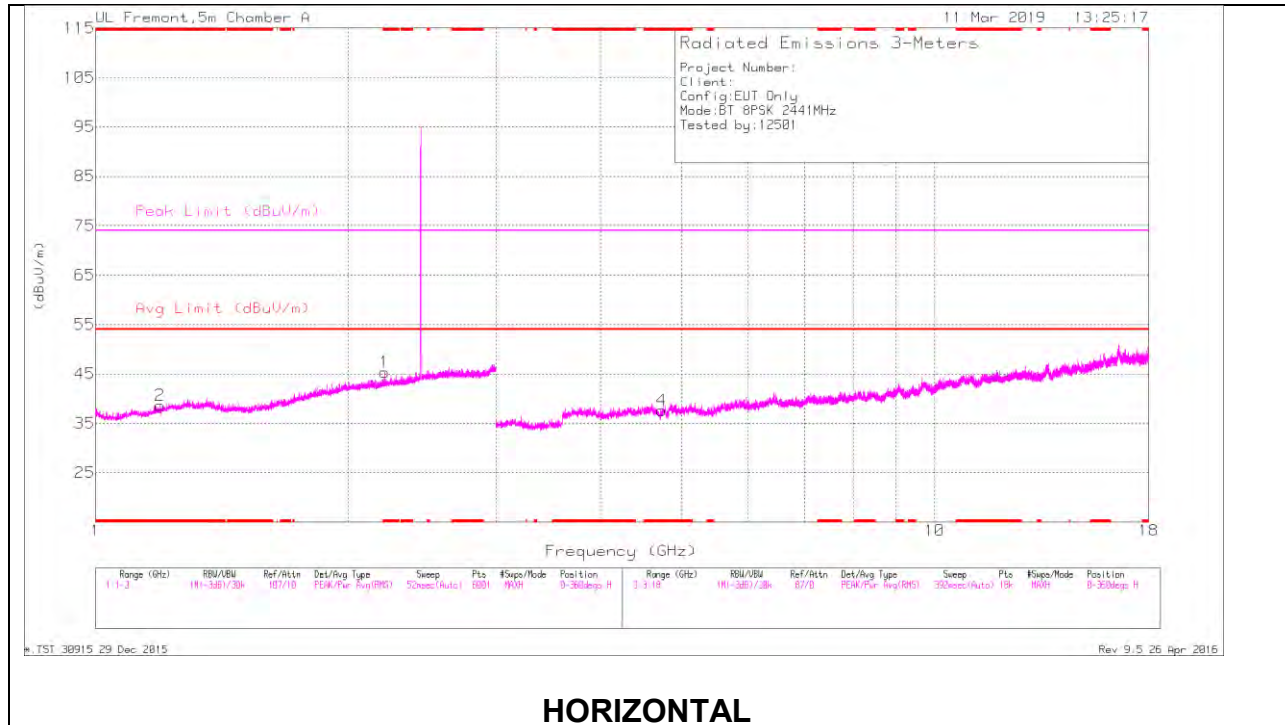
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

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MID CHANNEL RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.211	40.7	PKFH	31.5	-22.9	49.3	-	-	74	-24.7	290	189	H
* 2.21	29.11	VA1T	31.5	-22.9	37.71	54	-16.29	-	-	290	189	H
* 1.192	41.16	PKFH	28.1	-25	44.26	-	-	74	-29.74	243	344	H
* 1.194	29.41	VA1T	28.1	-25	32.51	54	-21.49	-	-	243	344	H
* 1.344	40.83	PKFH	29	-25	44.83	-	-	74	-29.17	315	382	V
* 1.345	29.56	VA1T	29	-25	33.56	54	-20.44	-	-	315	382	V
* 4.728	38.13	PKFH	34.1	-28.7	43.53	-	-	74	-30.47	241	350	H
* 4.726	26.66	VA1T	34.1	-28.7	32.06	54	-21.94	-	-	241	350	H
* 10.807	32.16	PKFH	37.9	-19.9	50.16	-	-	74	-23.84	287	284	V
* 10.808	20.85	VA1T	37.9	-19.9	38.85	54	-15.15	-	-	287	284	V
* 12.382	32.19	PKFH	39	-20.2	50.99	-	-	74	-23.01	64	177	V
* 12.379	21.01	VA1T	39	-20.3	39.71	54	-14.29	-	-	64	177	V

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

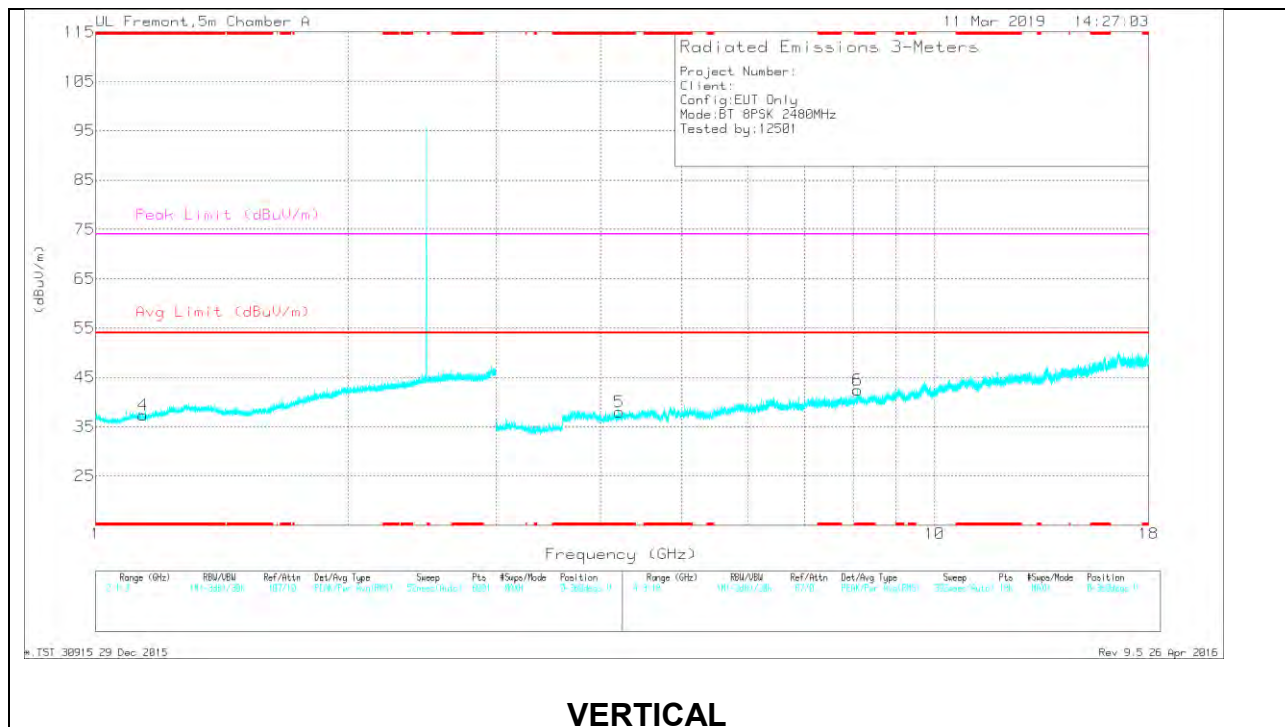
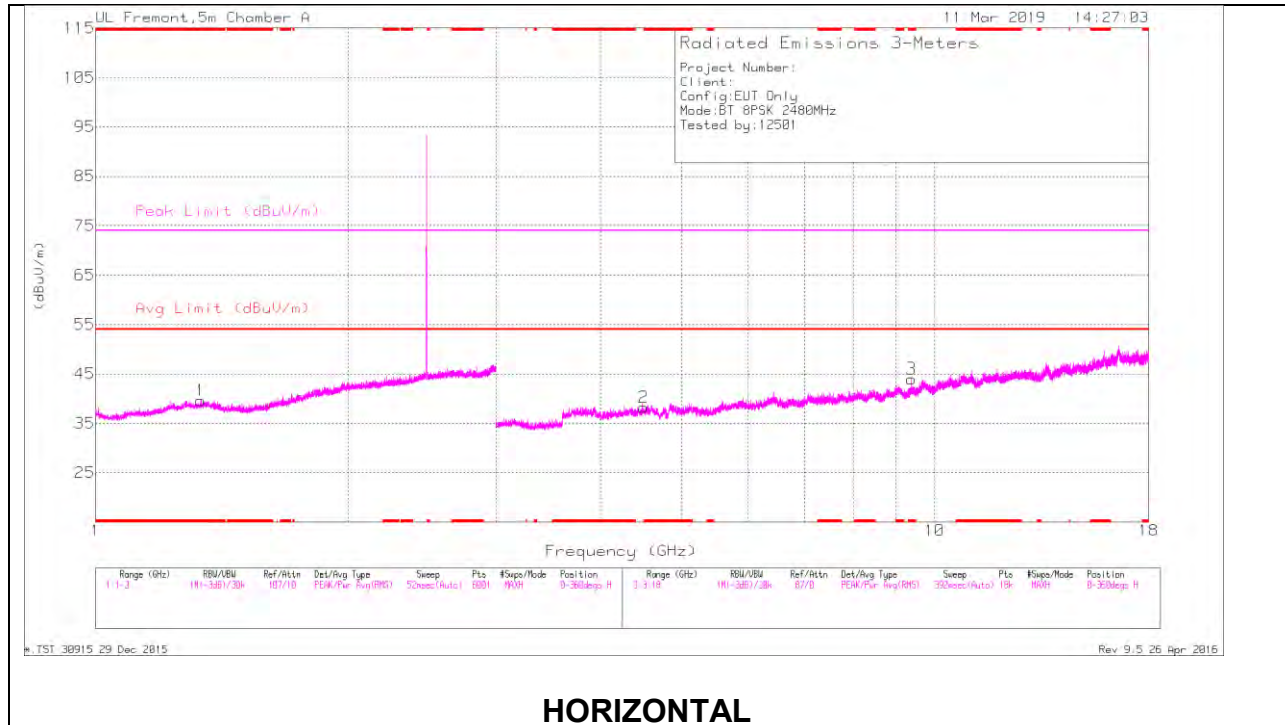
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

*.TST 30915 29 Dec 2015

Rev 9.5 26 Apr 2016

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.332	41.7	PKFH	28.9	-25	45.6	-	-	74	-28.4	64	115	H
* 1.334	29.72	VA1T	28.9	-24.9	33.72	54	-20.28	-	-	64	115	H
* 1.141	40.87	PKFH	27.6	-25.2	43.27	-	-	74	-30.73	310	133	V
* 1.139	29.61	VA1T	27.6	-25.2	32.01	54	-21.99	-	-	310	133	V
* 9.392	33.17	PKFH	36.6	-21.7	48.07	-	-	74	-25.93	279	212	H
* 9.392	22.04	VA1T	36.6	-21.7	36.94	54	-17.06	-	-	279	212	H
* 4.21	38.36	PKFH	33.7	-28.6	43.46	-	-	74	-30.54	101	164	V
* 4.208	26.92	VA1T	33.7	-28.6	32.02	54	-21.98	-	-	101	164	V
* 8.104	33.65	PKFH	35.8	-22.3	47.15	-	-	74	-26.85	98	188	V
* 8.102	22.59	VA1T	35.8	-22.3	36.09	54	-17.91	-	-	98	188	V
4.498	26.8	VA1T	34.1	-28.1	32.8	-	-	-	-	200	265	H
4.499	37.25	PKFH	34.1	-28.1	43.25	-	-	-	-	200	265	H

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

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

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

*.TST 30915 29 Dec 2015

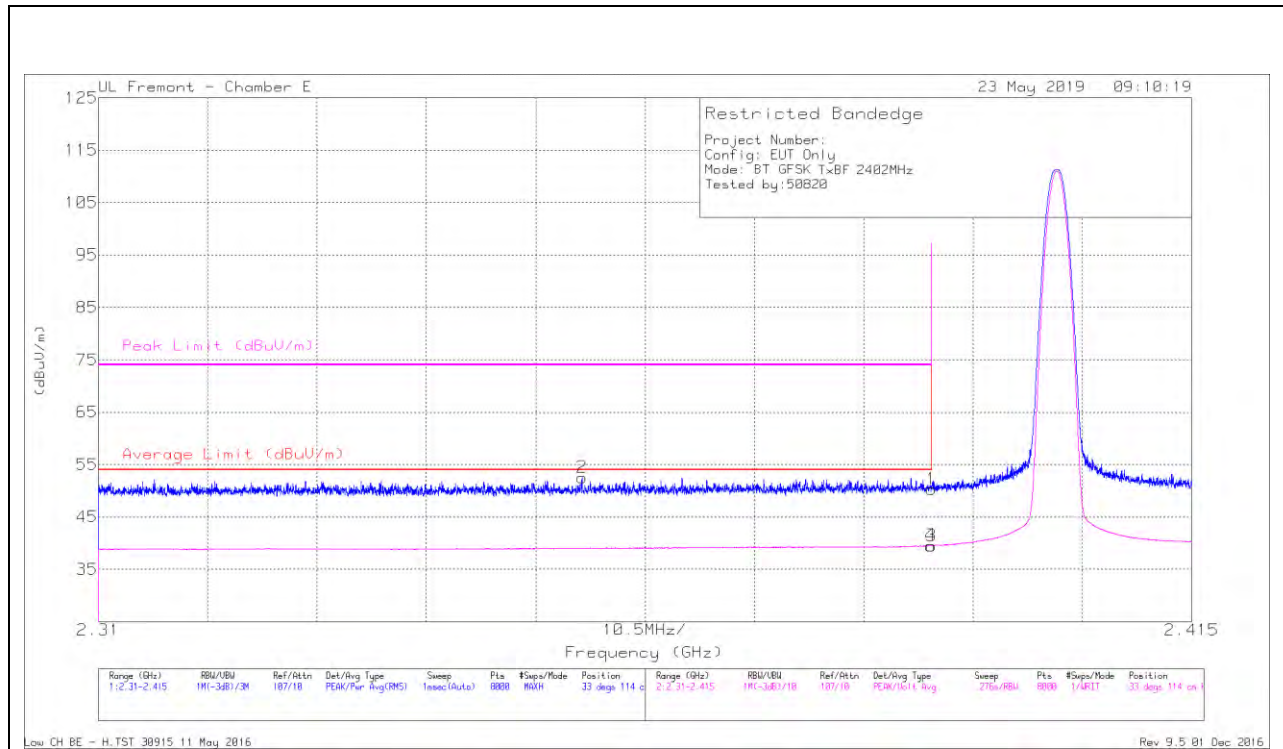
Rev 9.5 26 Apr 2016

9.2. BEAMFORMING TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



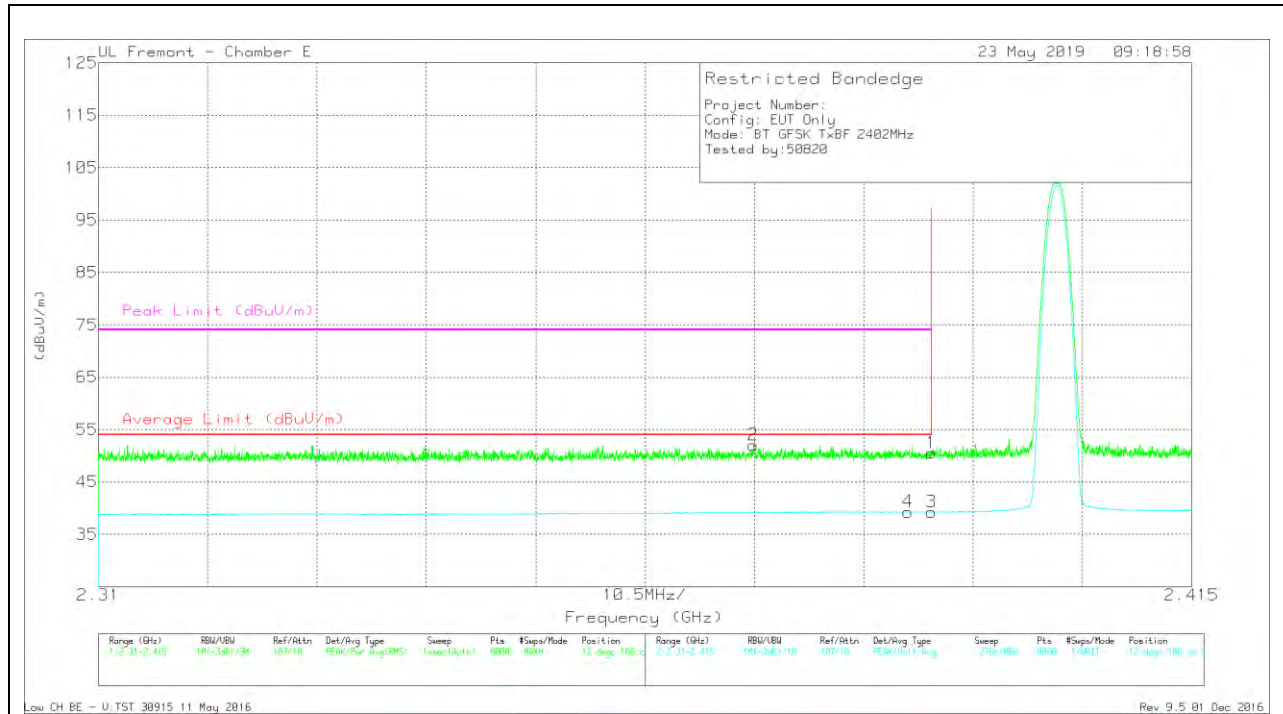
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.18	Pk	32.3	-26.2	50.28	-	-	74	-23.72	33	114	H
2	* 2.356	46.78	Pk	32	-26.3	52.48	-	-	74	-21.52	33	114	H
3	* 2.39	33.44	VA1T	32.3	-26.2	39.54	54	-14.46	-	-	33	114	H
4	* 2.39	33.45	VA1T	32.3	-26.2	39.55	54	-14.45	-	-	33	114	H

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

Pk - Peak detector

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

VERTICAL RESULT

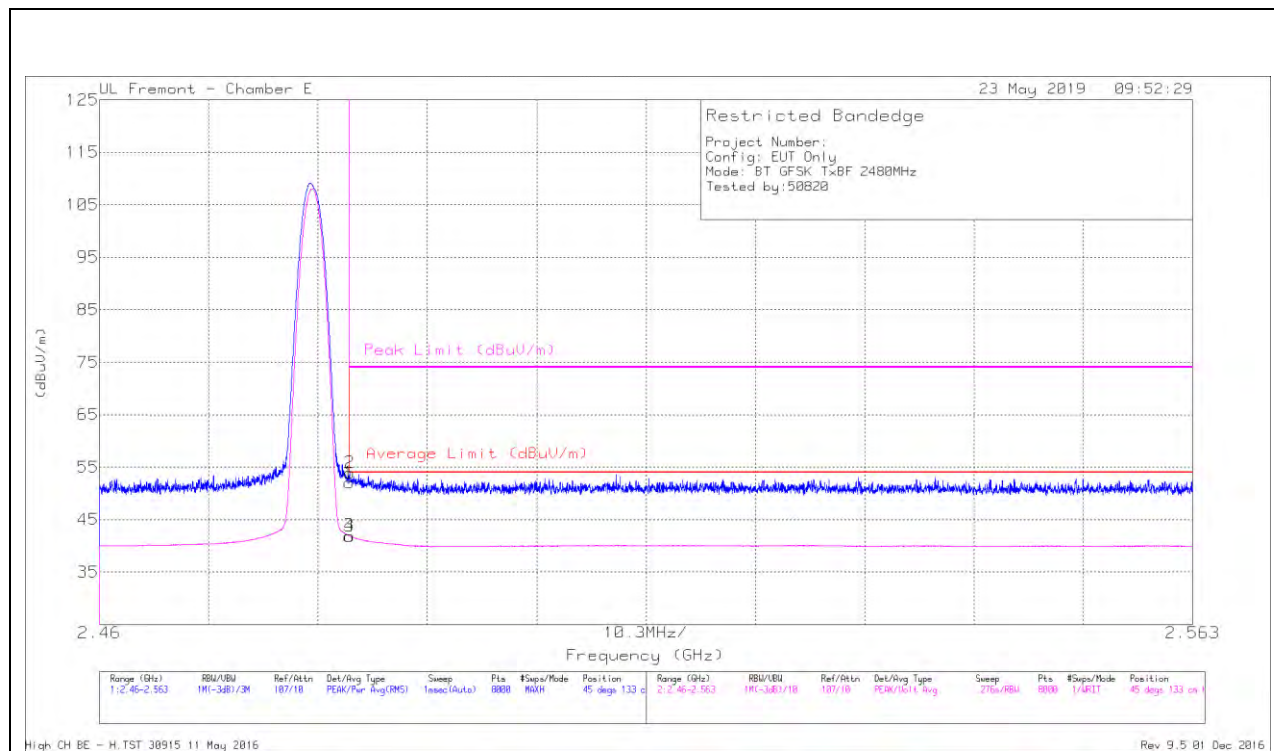


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.44	Pk	32.3	-26.2	50.54	-	-	74	-23.46	12	106	V
2	* 2.373	46.17	Pk	32.2	-26.3	52.07	-	-	74	-21.93	12	106	V
3	* 2.39	33.16	VA1T	32.3	-26.2	39.26	54	-14.74	-	-	12	106	V
4	* 2.388	33.2	VA1T	32.3	-26.2	39.3	54	-14.7	-	-	12	106	V

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

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

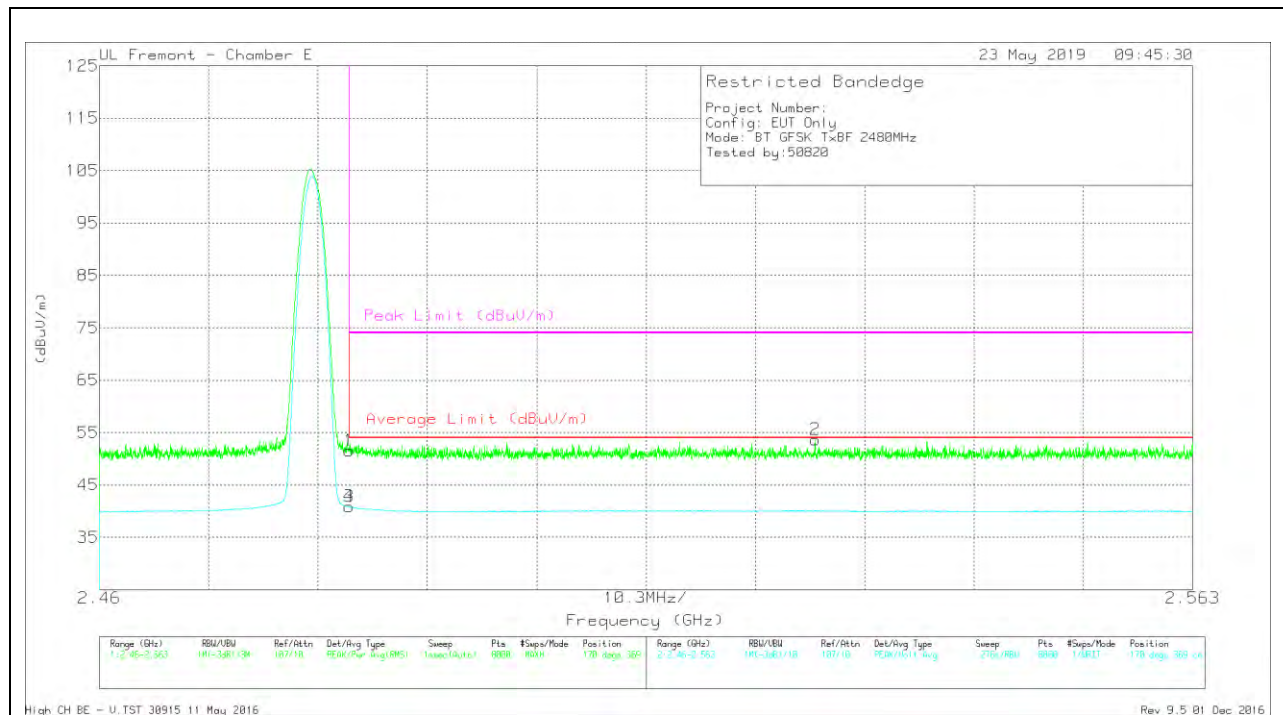
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.55	Pk	32.8	-26.3	52.05	-	-	74	-21.95	45	133	H
2	* 2.484	47.4	Pk	32.8	-26.3	53.9	-	-	74	-20.1	45	133	H
3	* 2.484	35.41	VA1T	32.8	-26.3	41.91	54	-12.09	-	-	45	133	H
4	* 2.484	35.31	VA1T	32.8	-26.3	41.81	54	-12.19	-	-	45	133	H

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

Pk - Peak detector

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

VERTICAL RESULT

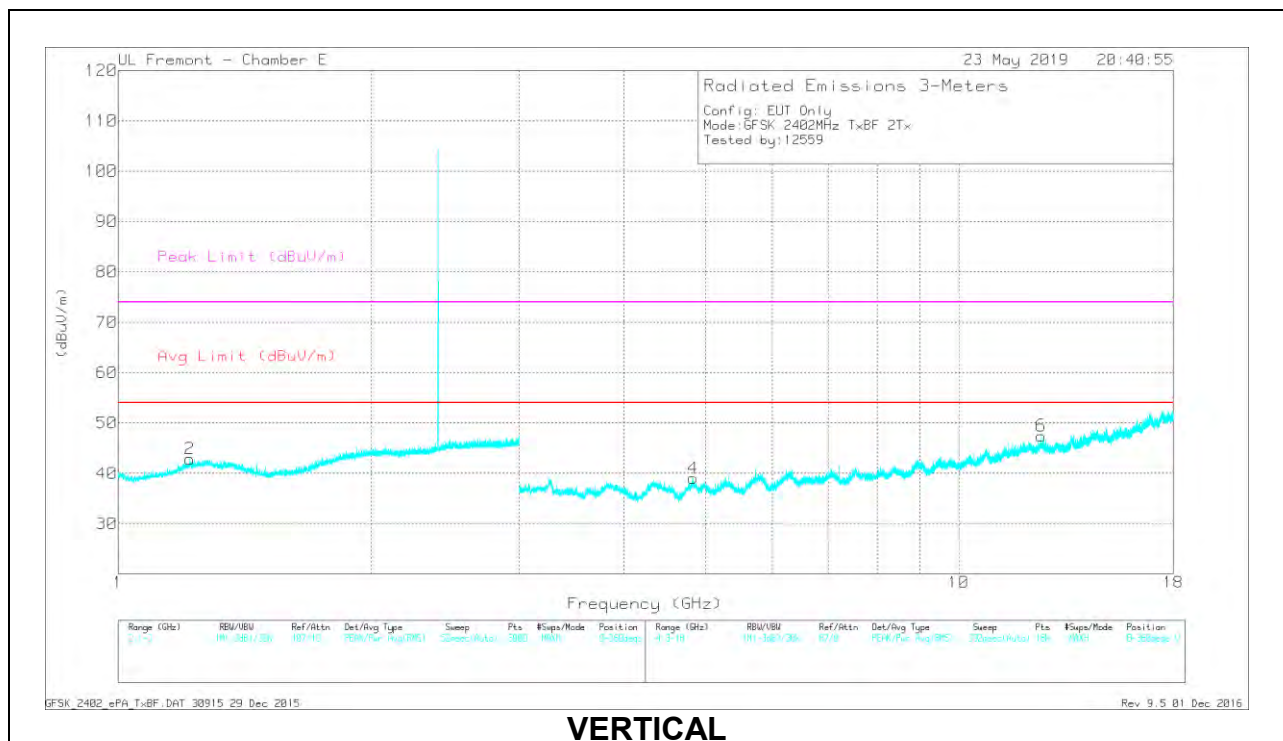
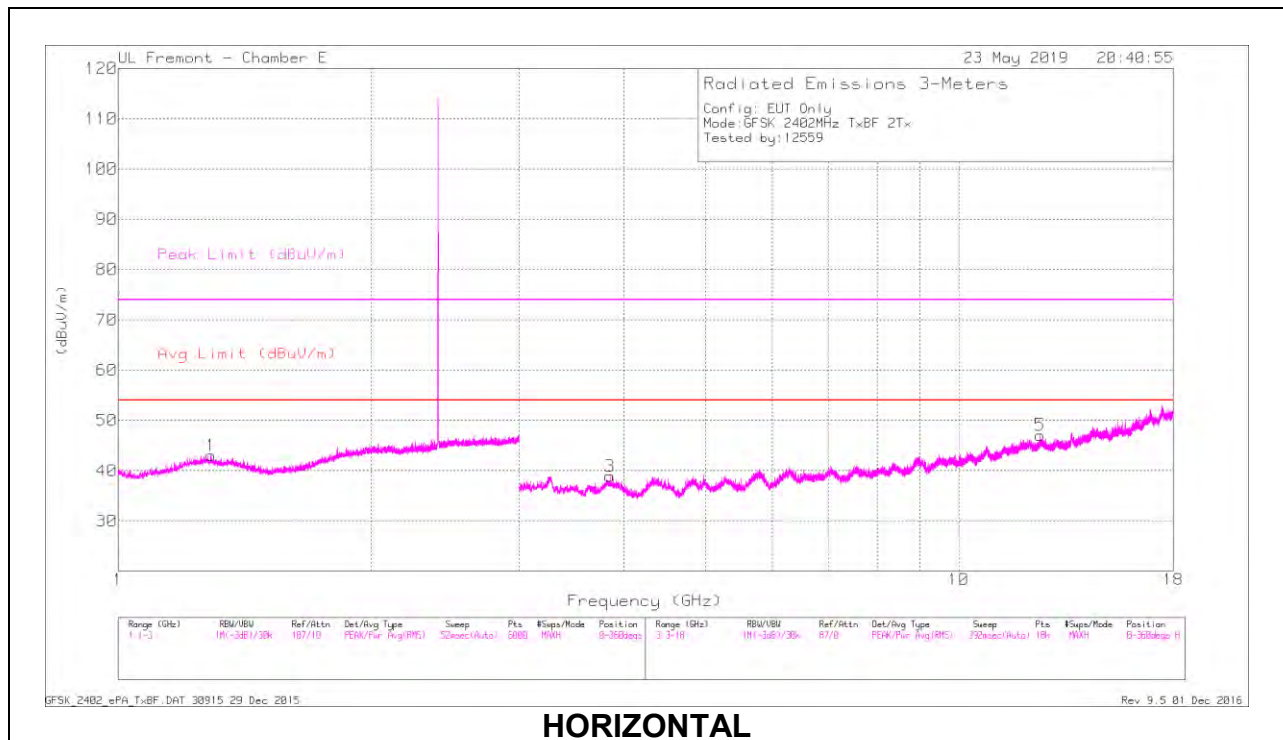


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.08	Pk	32.8	-26.3	51.58	-	-	74	-22.42	170	369	V
3	* 2.484	34.34	VA1T	32.8	-26.3	40.84	54	-13.16	-	-	170	369	V
4	* 2.484	34.34	VA1T	32.8	-26.3	40.84	54	-13.16	-	-	170	369	V
2	2.527	46.95	Pk	32.9	-26.2	53.65	-	-	74	-20.35	170	369	V

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

Pk - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

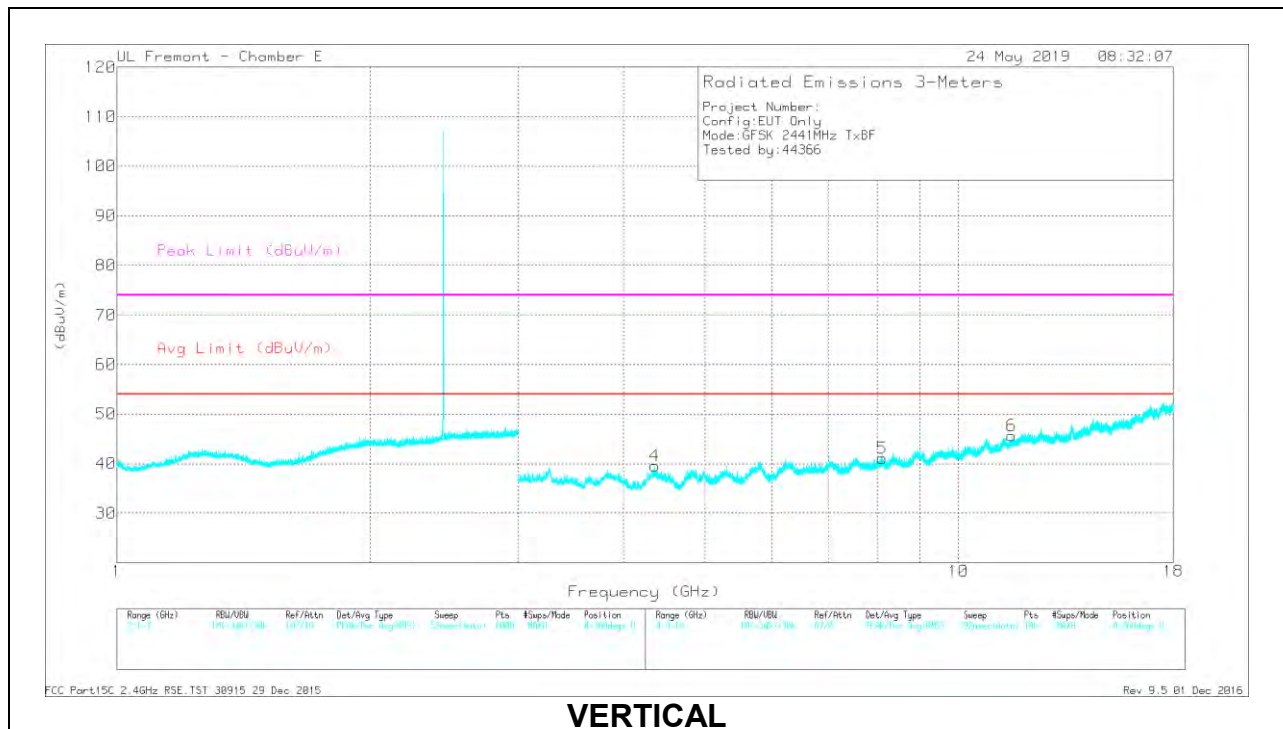
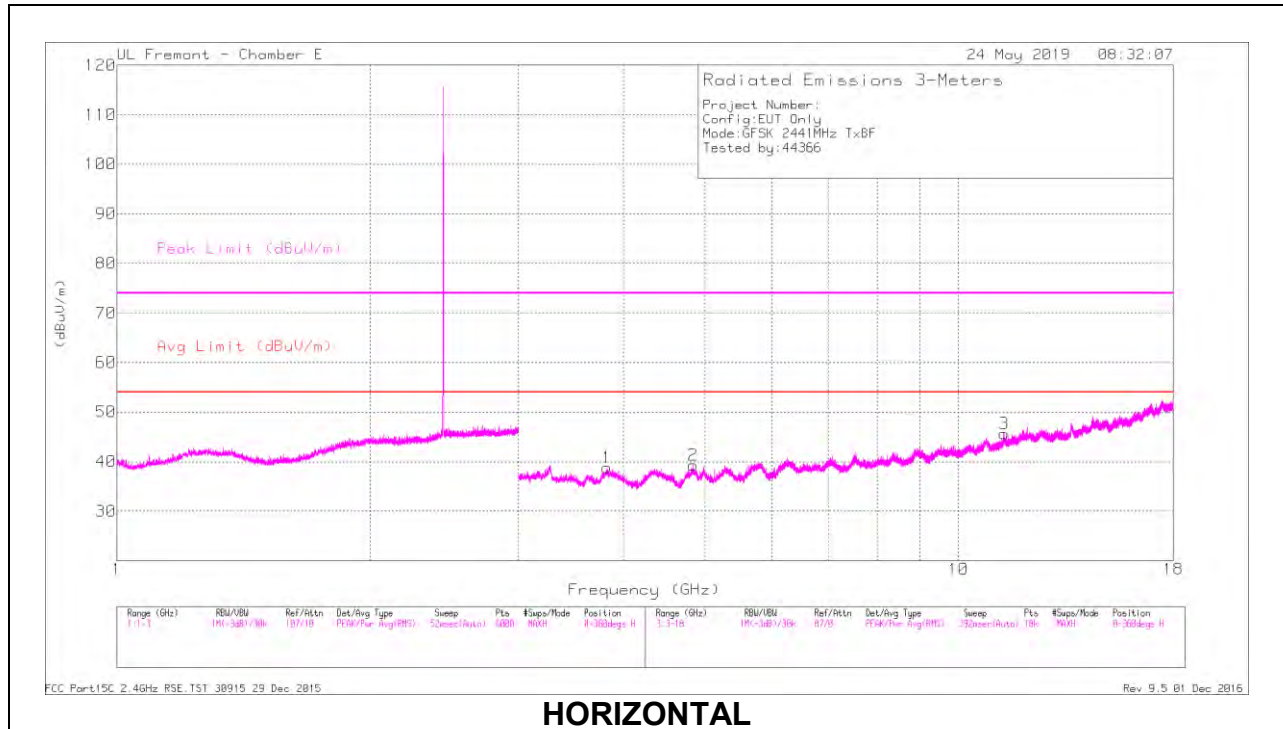
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29	45.84	PKFH	30	-26.2	49.64	-	-	74	-24.36	356	139	H
	* 1.289	32.68	VA1T	30	-26.2	36.48	54	-17.52	-	-	356	139	H
2	* 1.218	44.37	PKFH	29.8	-26.1	48.07	-	-	74	-25.93	265	237	V
	* 1.217	32.51	VA1T	29.8	-26.1	36.21	54	-17.79	-	-	265	237	V
3	* 3.846	41.72	PKFH	33.4	-30.7	44.42	-	-	74	-29.58	289	393	H
	* 3.847	29.48	VA1T	33.4	-30.6	32.28	54	-21.72	-	-	289	393	H
5	* 12.5	35.07	PKFH	39	-21.4	52.67	-	-	74	-21.33	108	176	H
	* 12.502	22.76	VA1T	39	-21.5	40.26	54	-13.74	-	-	108	176	H
4	* 4.832	40.77	PKFH	34.2	-30.2	44.77	-	-	74	-29.23	209	240	V
	* 4.832	28.67	VA1T	34.2	-30.2	32.67	54	-21.33	-	-	209	240	V
6	* 12.533	34.03	PKFH	39.1	-21.1	52.03	-	-	74	-21.97	0	100	V
	* 12.533	22.61	VA1T	39.1	-21.1	40.61	54	-13.39	-	-	0	100	V

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

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

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

MID CHANNEL RESULTS



RADIATED EMISSIONS

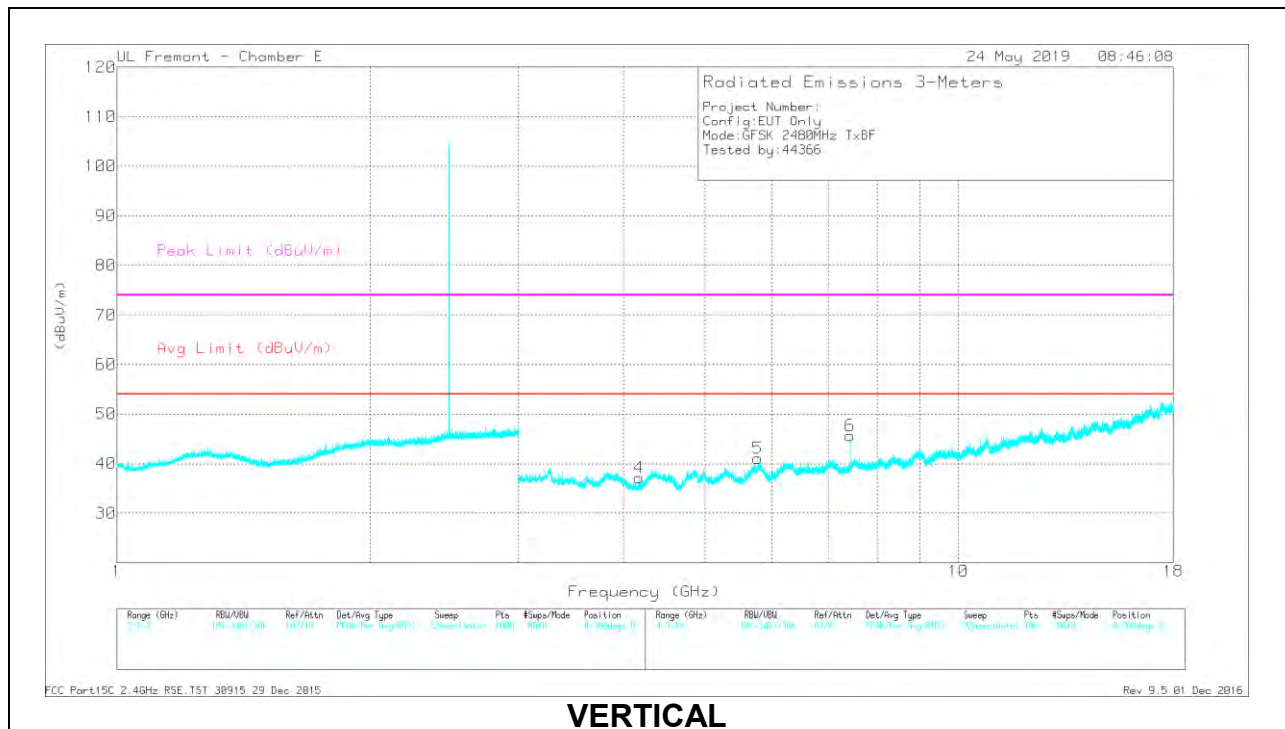
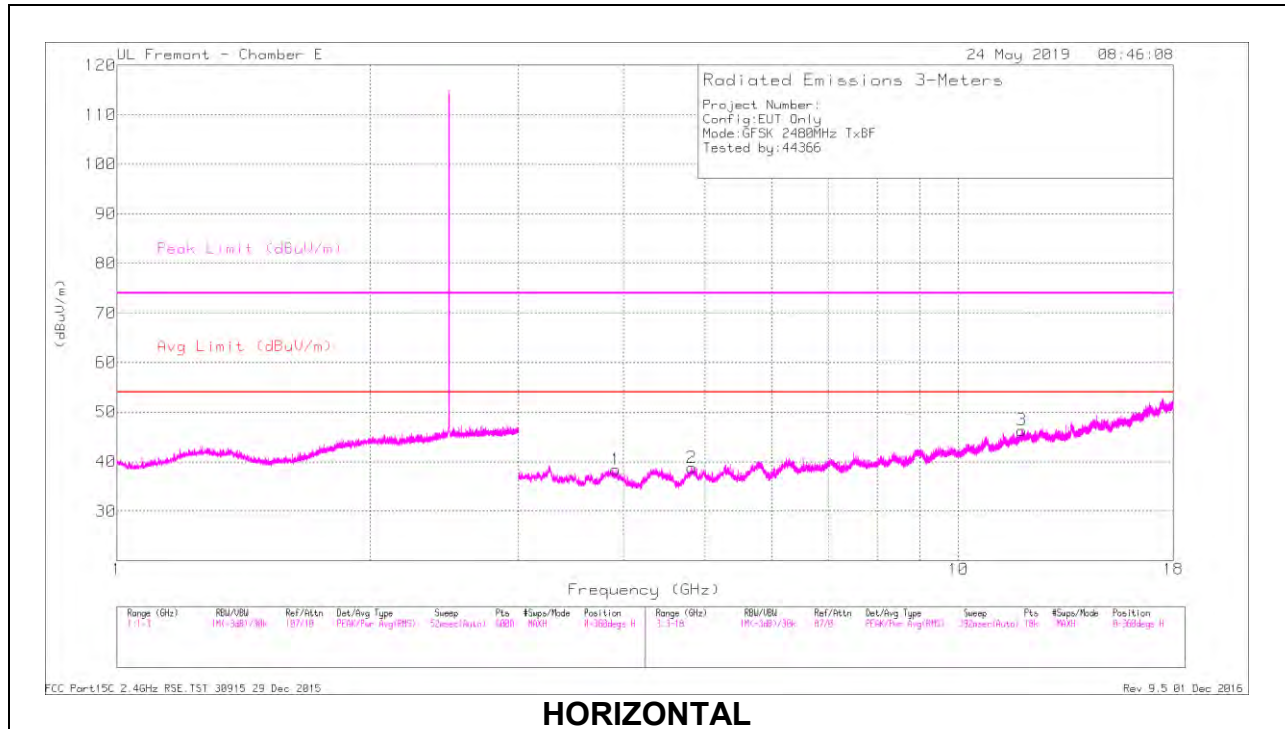
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.82	41.45	PKFH	33.4	-31.2	43.65	-	-	74	-30.35	317	168	H
	* 3.82	30.16	VA1T	33.4	-31.3	32.26	54	-21.74	-	-	317	168	H
2	* 4.843	40.57	PKFH	34.1	-30.1	44.57	-	-	74	-29.43	281	227	H
	* 4.844	28.58	VA1T	34.1	-30.1	32.58	54	-21.42	-	-	281	227	H
3	* 11.324	35.35	PKFH	38.1	-22.2	51.25	-	-	74	-22.75	303	131	H
	* 11.325	23.15	VA1T	38.1	-22.2	39.05	54	-14.95	-	-	303	131	H
4	* 4.361	40.04	PKFH	33.7	-29.5	44.24	-	-	74	-29.76	250	146	V
	* 4.361	28.65	VA1T	33.7	-29.6	32.75	54	-21.25	-	-	250	146	V
5	* 8.123	37.41	PKFH	35.8	-26.9	46.31	-	-	74	-27.69	216	204	V
	* 8.123	25.85	VA1T	35.8	-26.9	34.75	54	-19.25	-	-	216	204	V
6	* 11.567	35.09	PKFH	38.6	-22.7	50.99	-	-	74	-23.01	253	225	V
	* 11.571	23.26	VA1T	38.6	-22.7	39.16	54	-14.84	-	-	253	225	V

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

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

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

HIGH CHANNEL RESULTS



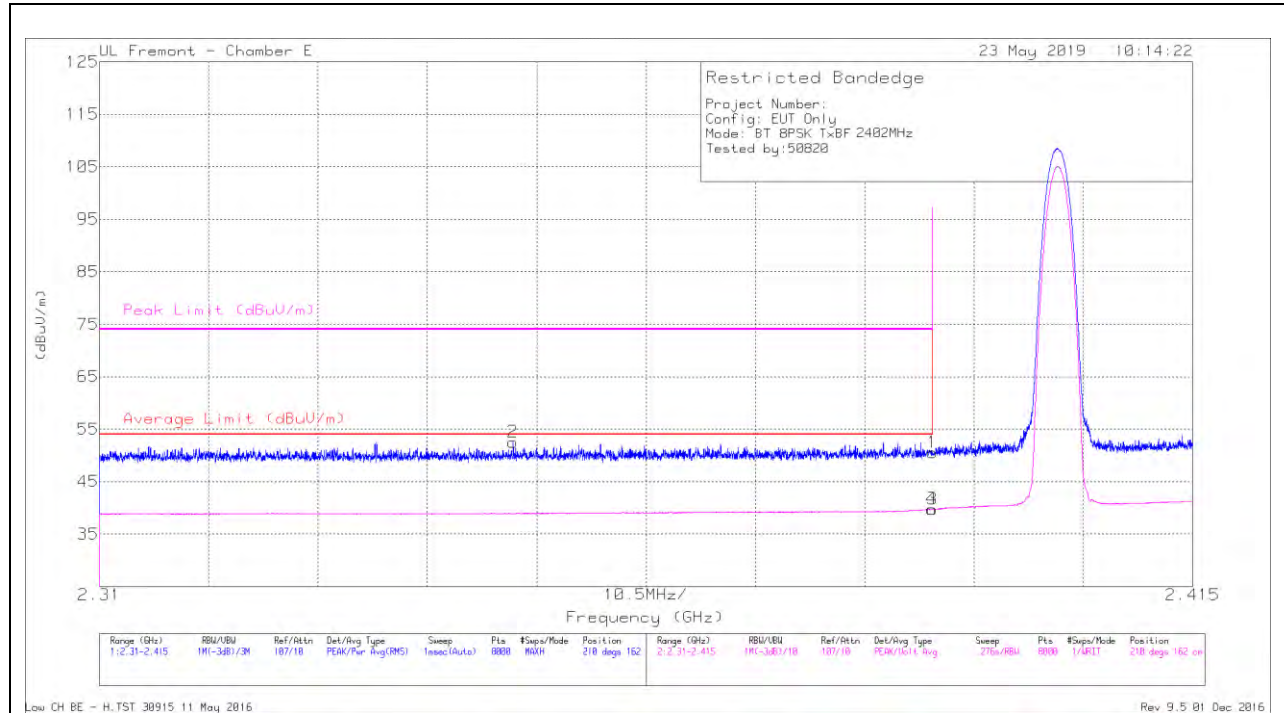
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.913	41.5	PKFH	33.4	-30.8	44.1	-	-	74	-29.9	99	249	H
	* 3.915	29.63	VA1T	33.4	-30.8	32.23	54	-21.77	-	-	99	249	H
2	* 4.819	40.65	PKFH	34.1	-30.1	44.65	-	-	74	-29.35	171	248	H
	* 4.819	28.83	VA1T	34.1	-30.1	32.83	54	-21.17	-	-	171	248	H
3	* 11.894	35.46	PKFH	39	-22.3	52.16	-	-	74	-21.84	204	246	H
	* 11.891	23.18	VA1T	39	-22.3	39.88	54	-14.12	-	-	204	246	H
4	* 4.171	40.64	PKFH	33.5	-32.3	41.84	-	-	74	-32.16	204	217	V
	* 4.172	28.95	VA1T	33.5	-32.3	30.15	54	-23.85	-	-	204	217	V
6	* 7.44	45.66	PKFH	35.7	-27.8	53.56	-	-	74	-20.44	107	117	V
	* 7.44	41.41	VA1T	35.7	-27.8	49.31	54	-4.69	-	-	107	117	V
5	5.774	40.33	PKFH	34.9	-28	47.23	-	-	-	-	167	192	V

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

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

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

9.2.2. HIGH POWER ENHANCED DATA RATE 8PSK MODULATION**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

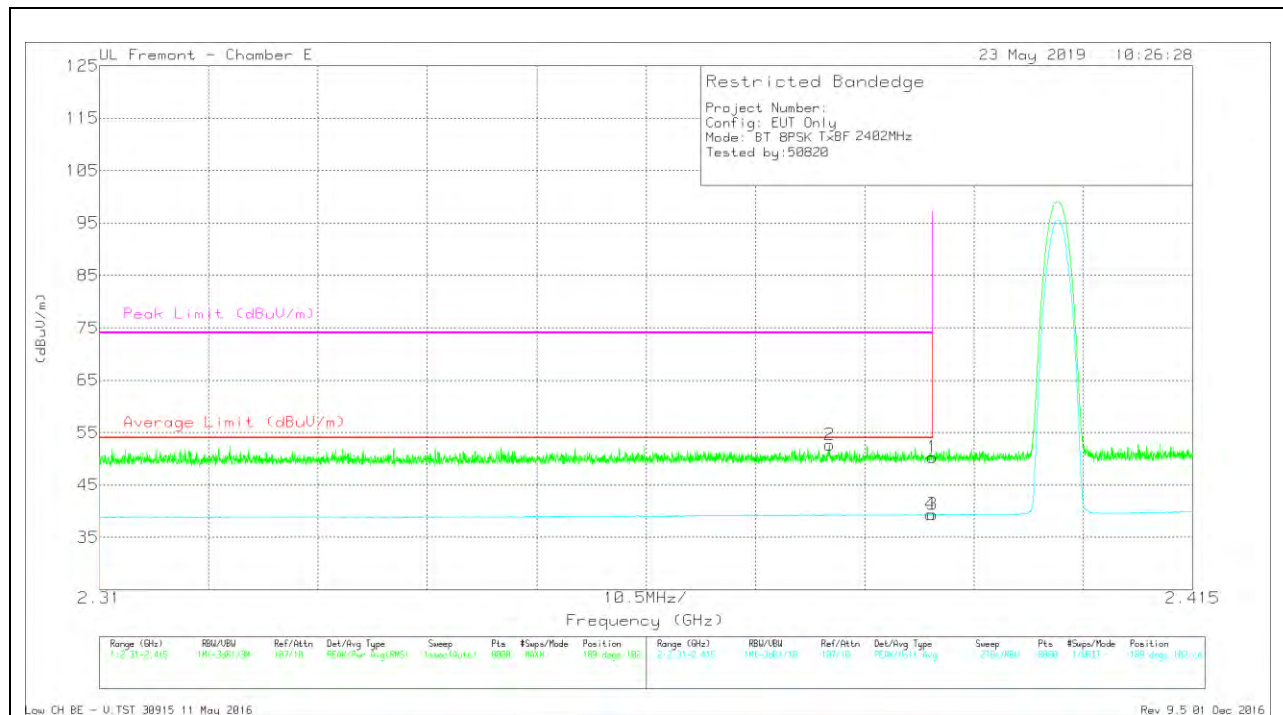
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.4	Pk	32.3	-26.2	50.5	-	-	74	-23.5	210	162	H
2	* 2.35	46.74	Pk	32	-26.2	52.54	-	-	74	-21.46	210	162	H
3	* 2.39	33.61	VA1T	32.3	-26.2	39.71	54	-14.29	-	-	210	162	H
4	* 2.39	33.63	VA1T	32.3	-26.2	39.73	54	-14.27	-	-	210	162	H

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

Pk - Peak detector

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

VERTICAL RESULT

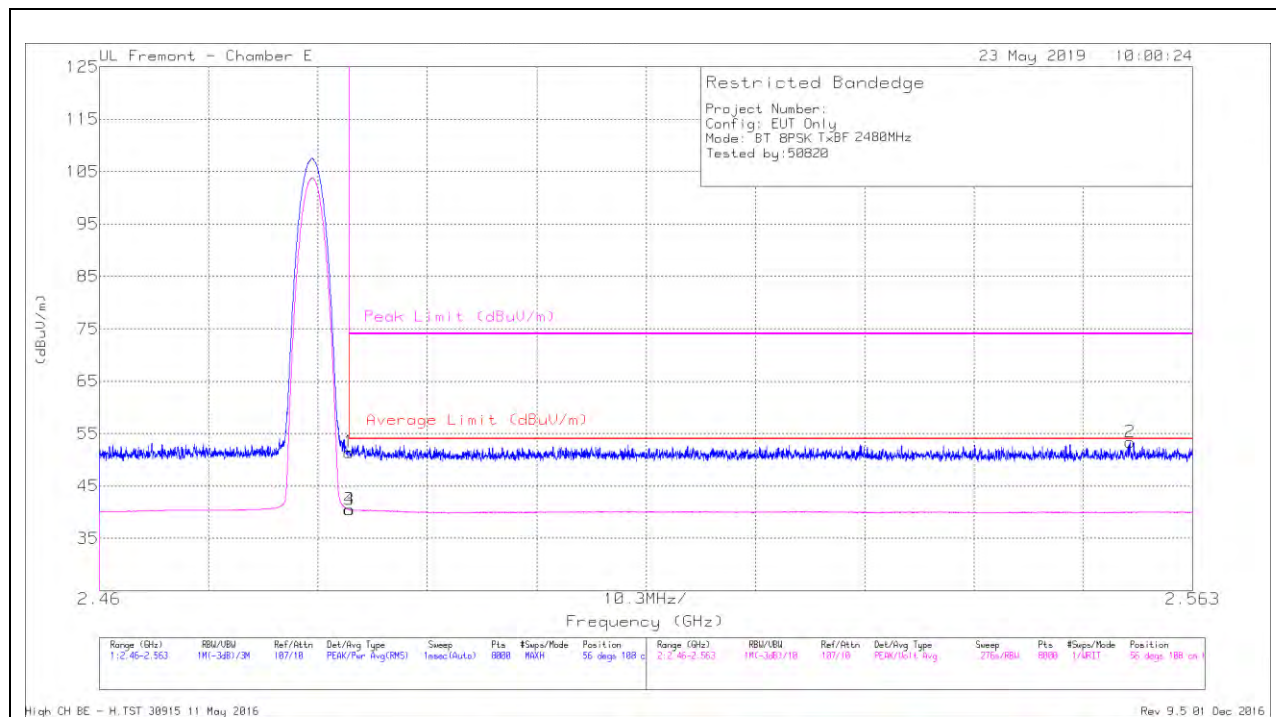


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.18	Pk	32.3	-26.2	50.28	-	-	74	-23.72	189	102	V
2	* 2.38	46.63	Pk	32.3	-26.3	52.63	-	-	74	-21.37	189	102	V
3	* 2.39	33.21	VA1T	32.3	-26.2	39.31	54	-14.69	-	-	189	102	V
4	* 2.39	33.22	VA1T	32.3	-26.2	39.32	54	-14.68	-	-	189	102	V

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

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

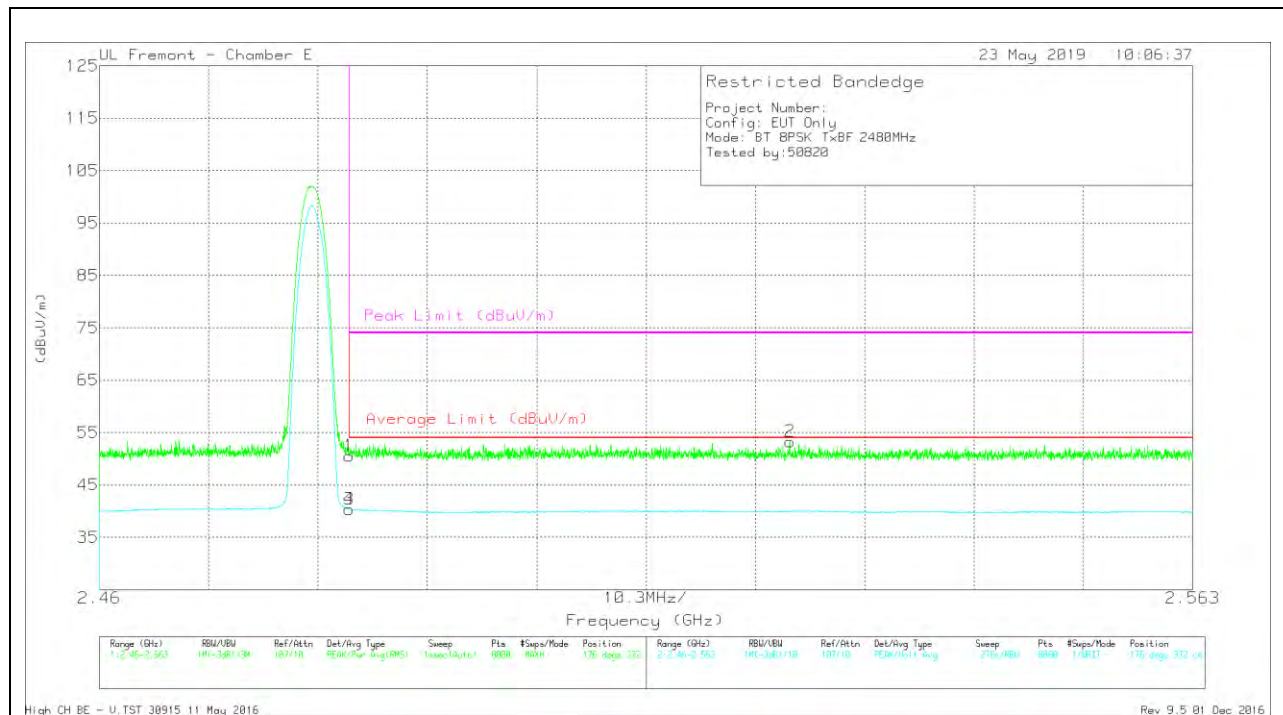
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.97	Pk	32.8	-26.3	51.47	-	-	74	-22.53	56	108	H
3	* 2.484	33.95	VA1T	32.8	-26.3	40.45	54	-13.55	-	-	56	108	H
4	* 2.484	33.97	VA1T	32.8	-26.3	40.47	54	-13.53	-	-	56	108	H
2	2.557	46.87	Pk	32.8	-26.3	53.37	-	-	74	-20.63	56	108	H

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

Pk - Peak detector

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

VERTICAL RESULT

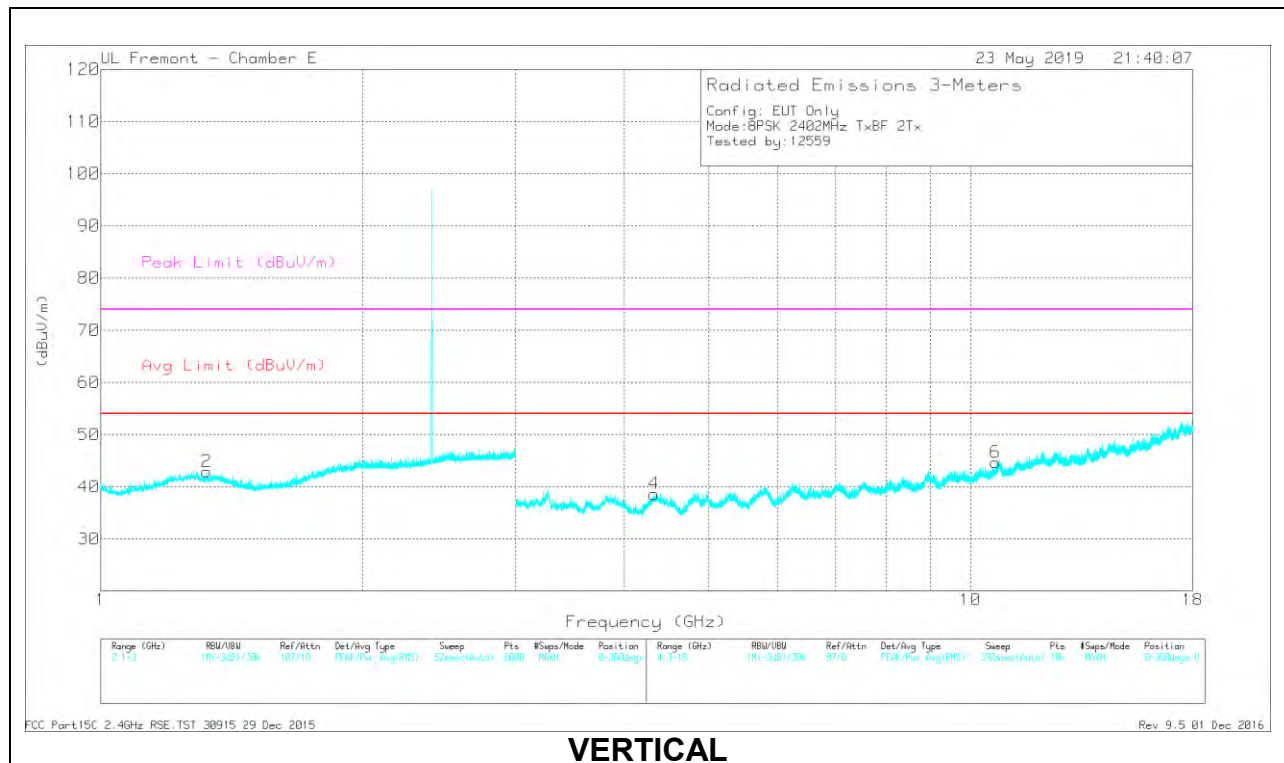
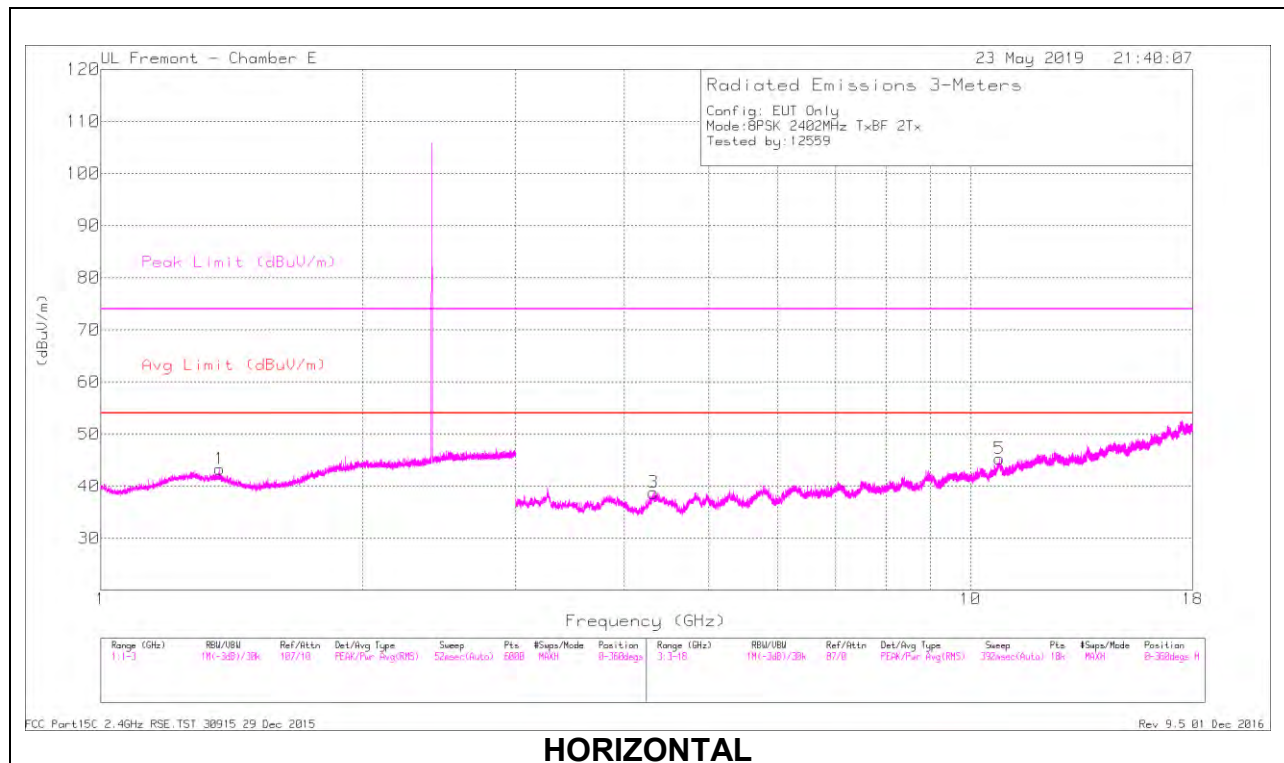


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.05	Pk	32.8	-26.3	50.55	-	-	74	-23.45	176	372	V
3	* 2.484	33.88	VA1T	32.8	-26.3	40.38	54	-13.62	-	-	176	372	V
4	* 2.484	33.88	VA1T	32.8	-26.3	40.38	54	-13.62	-	-	176	372	V
2	2.525	46.61	Pk	32.9	-26.2	53.31	-	-	74	-20.69	176	372	V

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

Pk - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

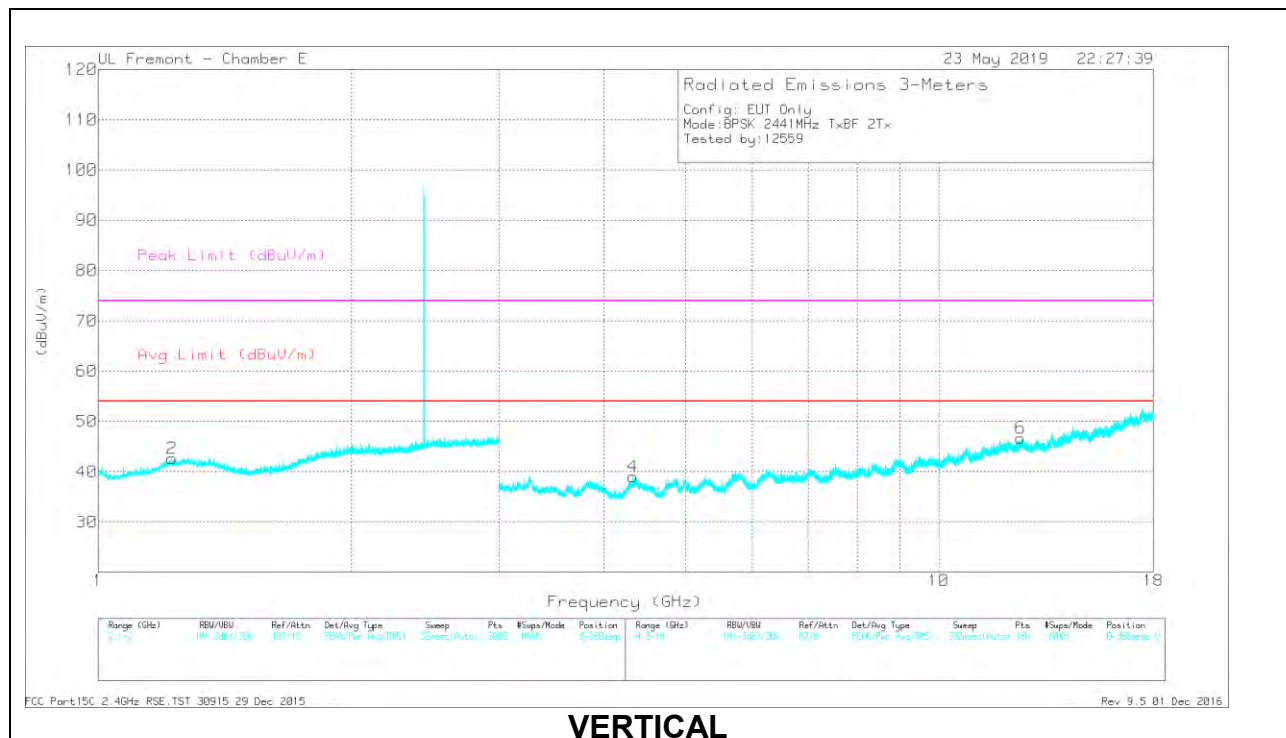
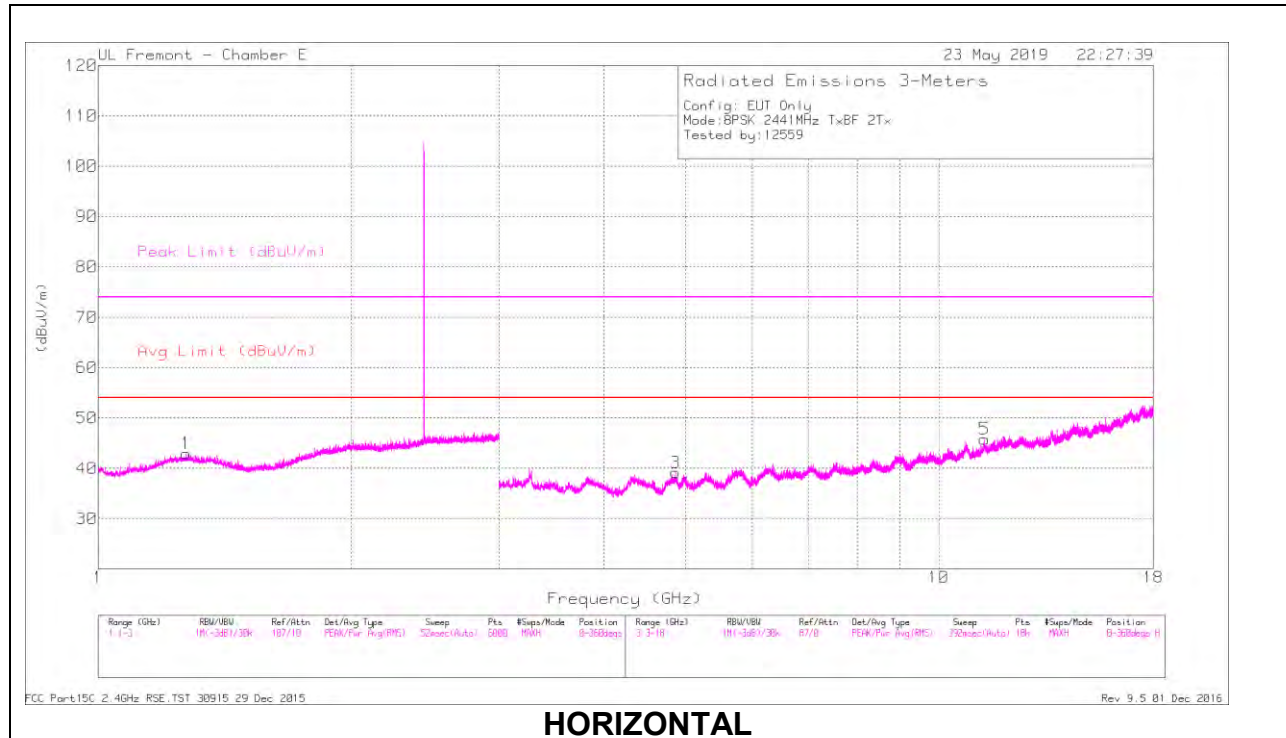
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.27	45.89	PKFH	31.9	-26.3	51.49	-	-	74	-22.51	17	134	H
	* 2.293	33.26	VA1T	32	-26.3	38.96	54	-15.04	-	-	17	134	H
2	* 1.323	44.63	PKFH	29.6	-26.2	48.03	-	-	74	-25.97	302	101	V
	* 1.326	32.77	VA1T	29.6	-26.2	36.17	54	-17.83	-	-	302	101	V
3	* 4.317	40.73	PKFH	33.7	-30.2	44.23	-	-	74	-29.77	172	158	H
	* 4.318	29.34	VA1T	33.7	-30.1	32.94	54	-21.06	-	-	172	158	H
5	* 10.798	37.11	PKFH	37.9	-23	52.01	-	-	74	-21.99	352	179	H
	* 10.795	24.15	VA1T	37.9	-23	39.05	54	-14.95	-	-	352	179	H
4	* 4.327	40.86	PKFH	33.6	-30	44.46	-	-	74	-29.54	307	240	V
	* 4.328	29	VA1T	33.6	-30	32.6	54	-21.4	-	-	307	240	V
6	* 10.679	36	PKFH	37.9	-24.9	49	-	-	74	-25	148	321	V
	* 10.68	24.71	VA1T	37.9	-24.9	37.71	54	-16.29	-	-	148	321	V

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

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

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

MID CHANNEL RESULTS



RADIATED EMISSIONS

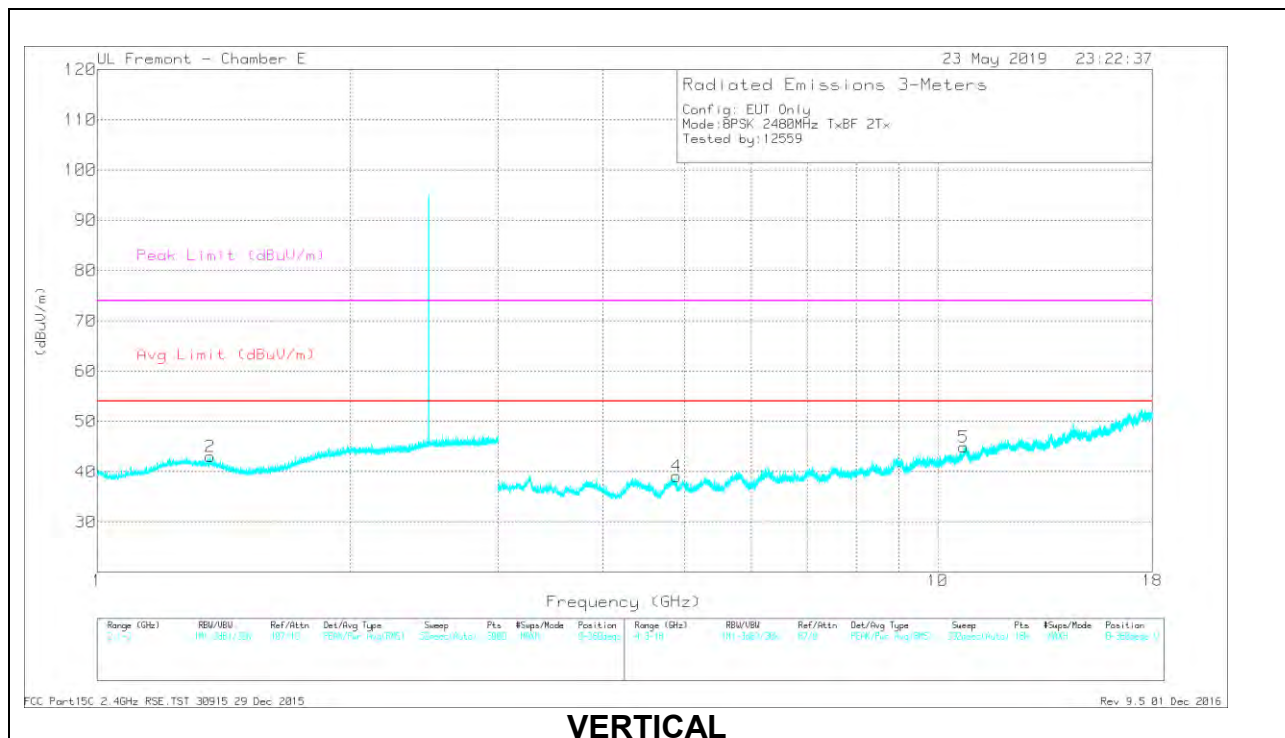
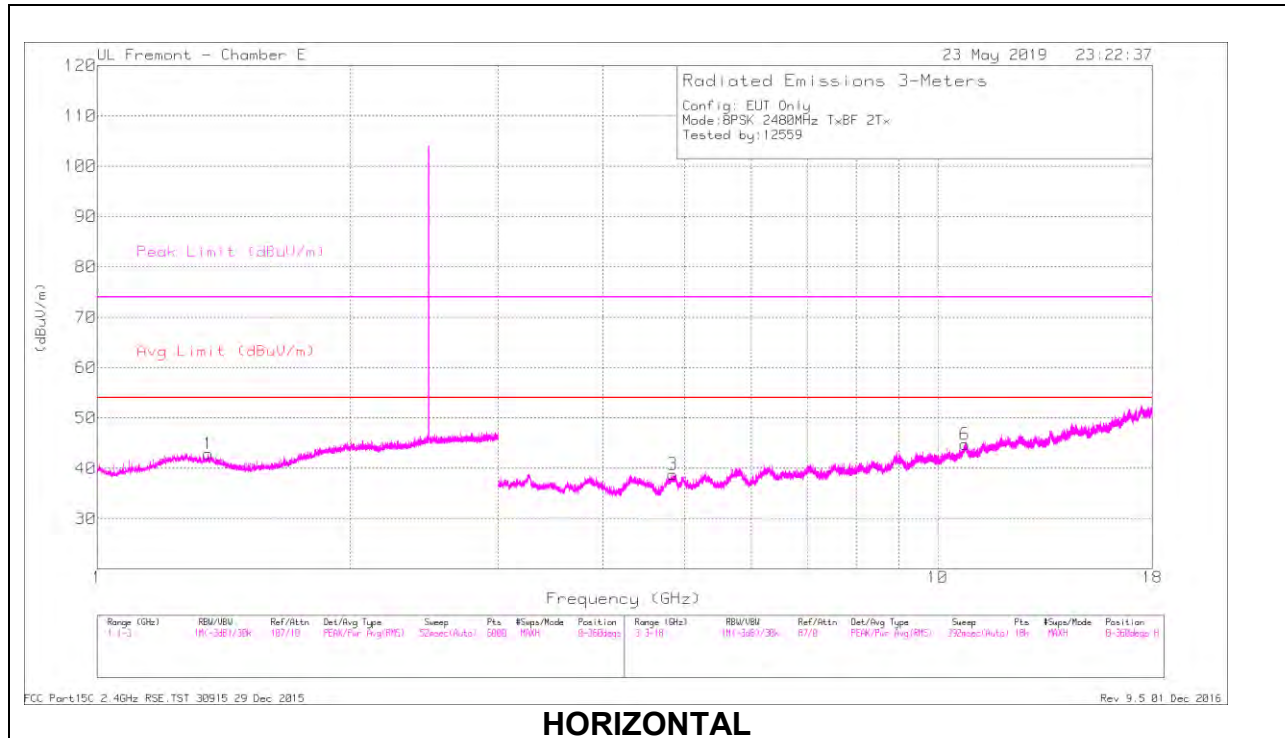
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.273	45.47	PKFH	30.1	-26.2	49.37	-	-	74	-24.63	256	300	H
	* 1.274	32.65	VA1T	30.1	-26.2	36.55	54	-17.45	-	-	256	300	H
2	* 1.224	44.39	PKFH	29.8	-26.1	48.09	-	-	74	-25.91	208	150	V
	* 1.226	32.62	VA1T	29.8	-26.1	36.32	54	-17.68	-	-	208	150	V
4	* 4.865	40.48	PKFH	34	-29.8	44.68	-	-	74	-29.32	4	130	H
	* 4.865	28.75	VA1T	34	-29.8	32.95	54	-21.05	-	-	4	130	H
5	* 11.336	35.54	PKFH	38.1	-22.3	51.34	-	-	74	-22.66	169	119	H
	* 11.335	23.28	VA1T	38.1	-22.2	39.18	54	-14.82	-	-	169	119	H
4	* 4.331	40.6	PKFH	33.6	-29.9	44.3	-	-	74	-29.7	261	398	V
	* 4.33	29.08	VA1T	33.6	-29.9	32.78	54	-21.22	-	-	261	398	V
6	* 12.516	34.62	PKFH	39	-21.5	52.12	-	-	74	-21.88	89	179	V
	* 12.514	22.81	VA1T	39	-21.5	40.31	54	-13.69	-	-	89	179	V

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

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

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

HIGH CHANNEL RESULTS



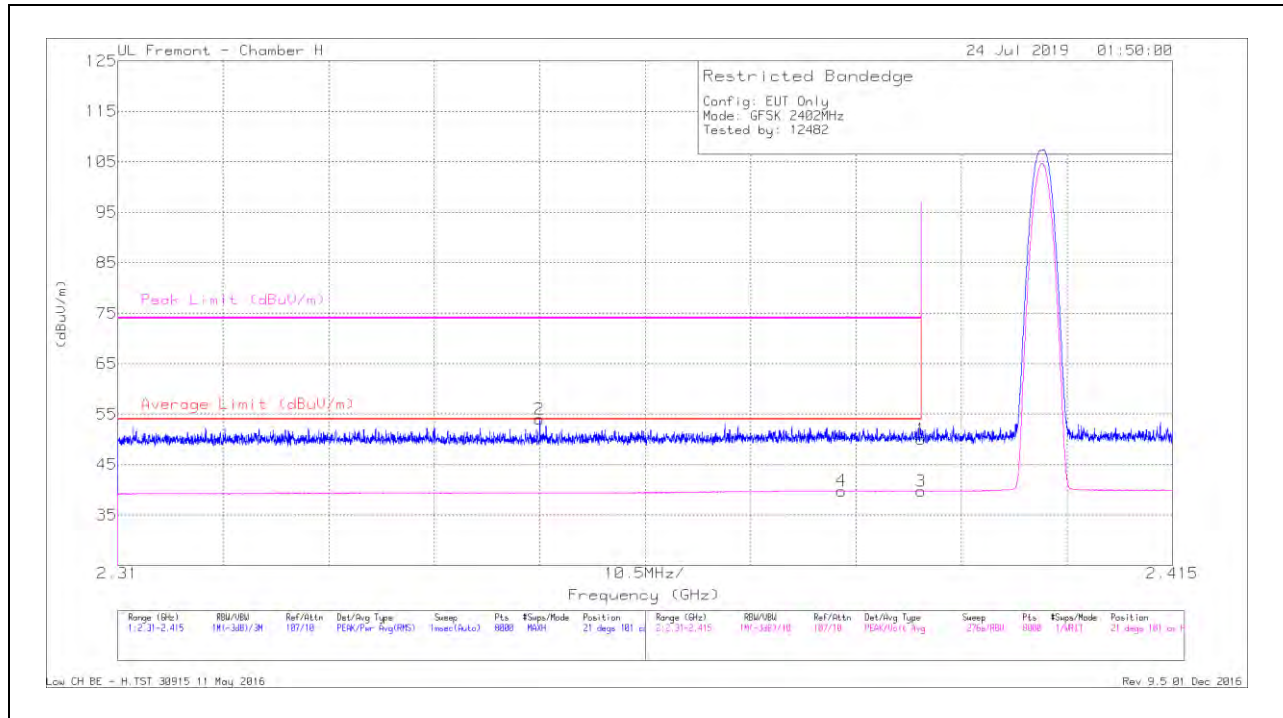
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.355	44.54	PKFH	29.8	-26.3	48.04	-	-	74	-25.96	111	314	H
	* 1.355	32.8	VA1T	29.7	-26.2	36.3	54	-17.7	-	-	111	314	H
2	* 1.364	44.36	PKFH	29.7	-26.3	47.76	-	-	74	-26.24	235	185	V
	* 1.365	32.79	VA1T	29.8	-26.2	36.39	54	-17.61	-	-	235	185	V
3	* 4.837	40.27	PKFH	34.2	-30.2	44.27	-	-	74	-29.73	338	150	H
	* 4.837	28.75	VA1T	34.2	-30.1	32.85	54	-21.15	-	-	338	150	H
6	* 10.776	36.64	PKFH	37.9	-23.1	51.44	-	-	74	-22.56	87	102	H
	* 10.778	24.13	VA1T	37.9	-23.1	38.93	54	-15.07	-	-	87	102	H
4	* 4.892	40.29	PKFH	33.9	-30.1	44.09	-	-	74	-29.91	87	357	V
	* 4.892	28.56	VA1T	33.9	-30.1	32.36	54	-21.64	-	-	87	357	V
5	* 10.741	36.61	PKFH	37.9	-23.8	50.71	-	-	74	-23.29	84	134	V
	* 10.742	24.41	VA1T	37.9	-23.8	38.51	54	-15.49	-	-	84	134	V

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

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

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

9.2.3. LOW POWER BASIC DATA RATE GFSK MODULATION**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

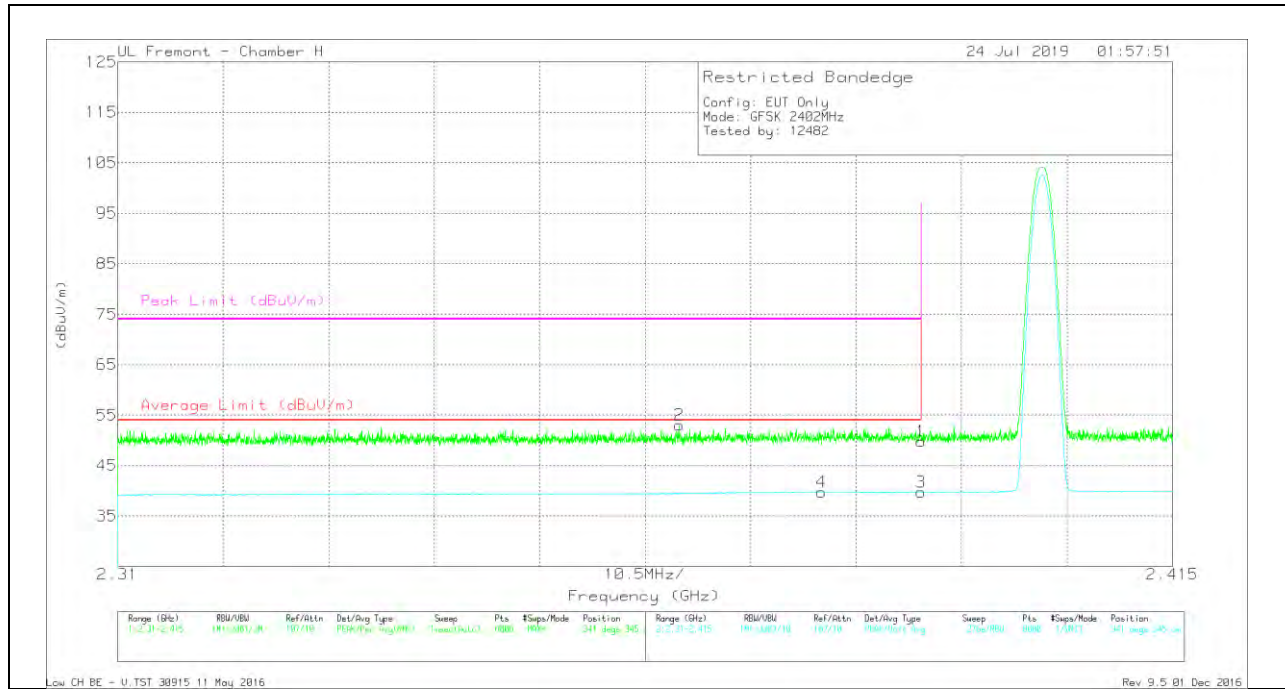
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/CbL/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.45	Pk	32.1	-23.5	50.05	-	-	74	-23.95	21	101	H
2	* 2.352	45.73	PK	31.9	-23.6	54.03	-	-	74	-19.97	21	101	H
3	* 2.39	31.1	VA1T	32.1	-23.5	39.7	54	-14.3	-	-	21	101	H
4	* 2.382	31.1	VA1T	32.2	-23.5	39.8	54	-14.2	-	-	21	101	H

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

Pk - Peak detector

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

VERTICAL RESULT

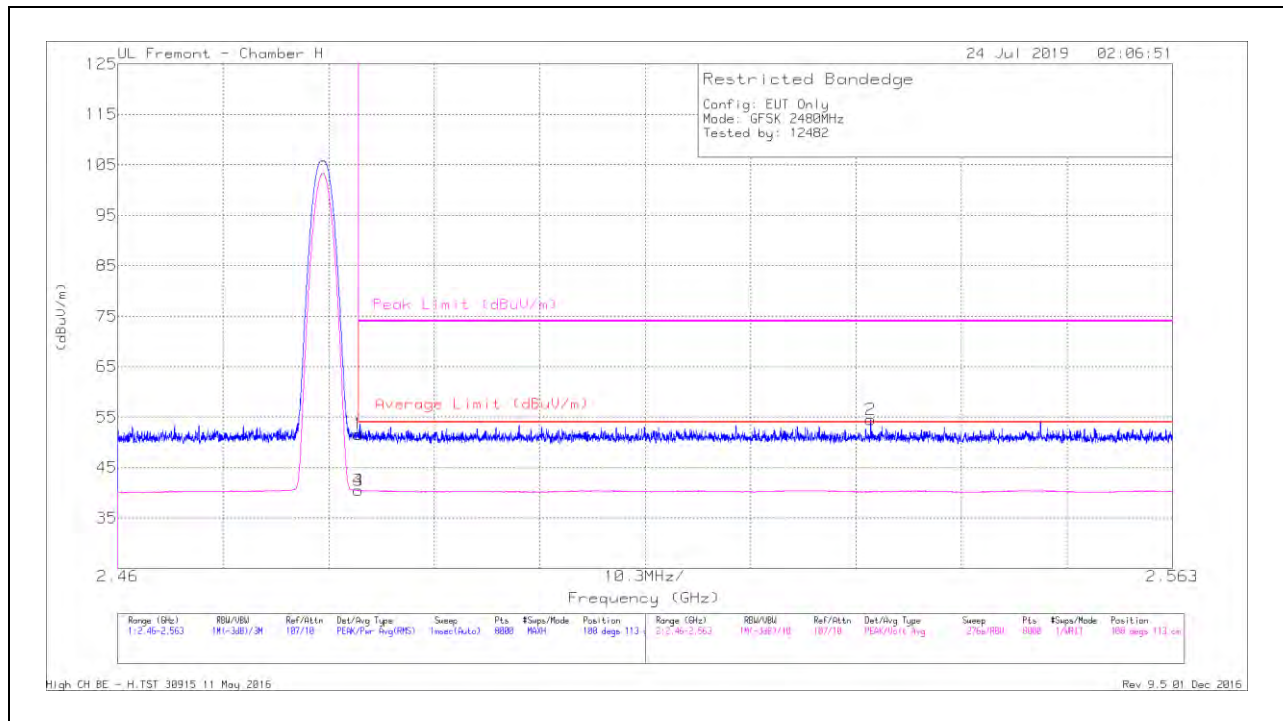


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.16	Pk	32.1	-23.5	49.76	-	-	74	-24.24	341	345	V
2	* 2.366	44.6	PK	32	-23.6	53	-	-	74	-21	341	345	V
3	* 2.39	31.1	VA1T	32.1	-23.5	39.7	54	-14.3	-	-	341	345	V
4	* 2.38	31.08	VA1T	32.2	-23.5	39.78	54	-14.22	-	-	341	345	V

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

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

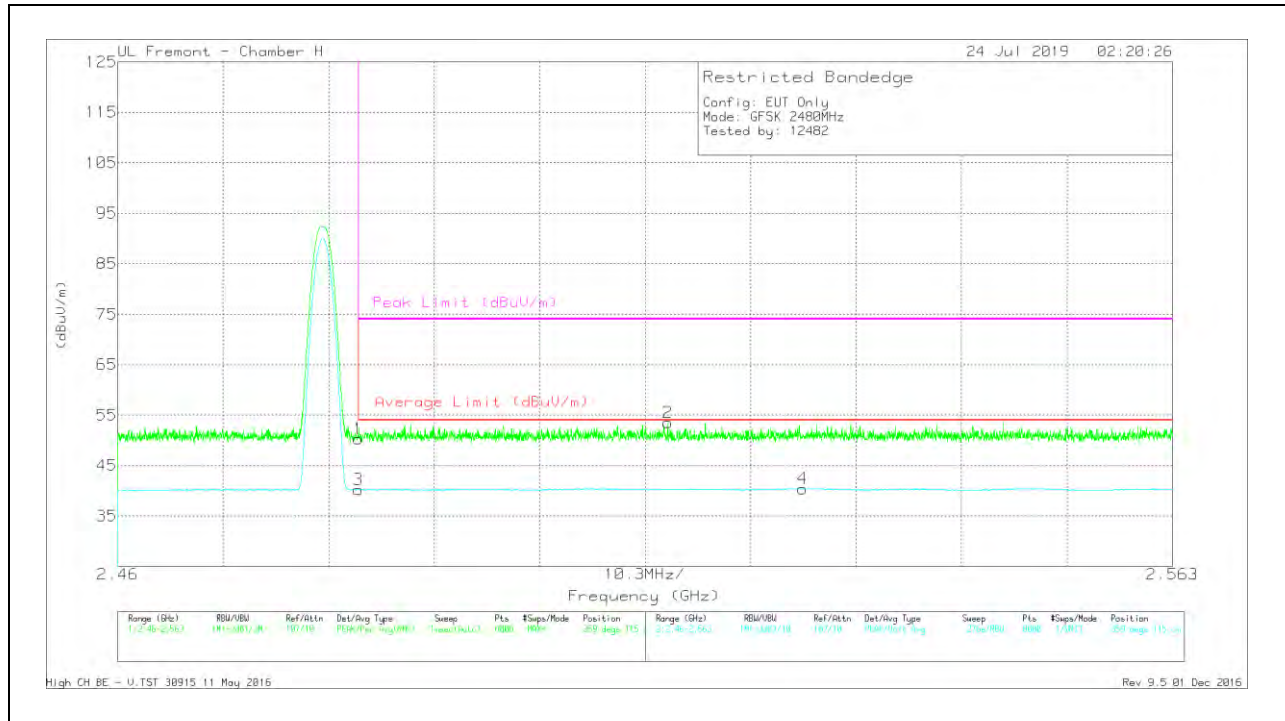
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.4	Pk	32.5	-23.3	51.6	-	-	74	-22.4	108	113	H
3	* 2.484	31.24	VA1T	32.5	-23.3	40.44	54	-13.56	-	-	108	113	H
4	* 2.484	31.24	VA1T	32.5	-23.3	40.44	54	-13.56	-	-	108	113	H
2	2.534	45.11	Pk	32.6	-23.2	54.51	-	-	74	-19.49	108	113	H

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

Pk - Peak detector

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

VERTICAL RESULT

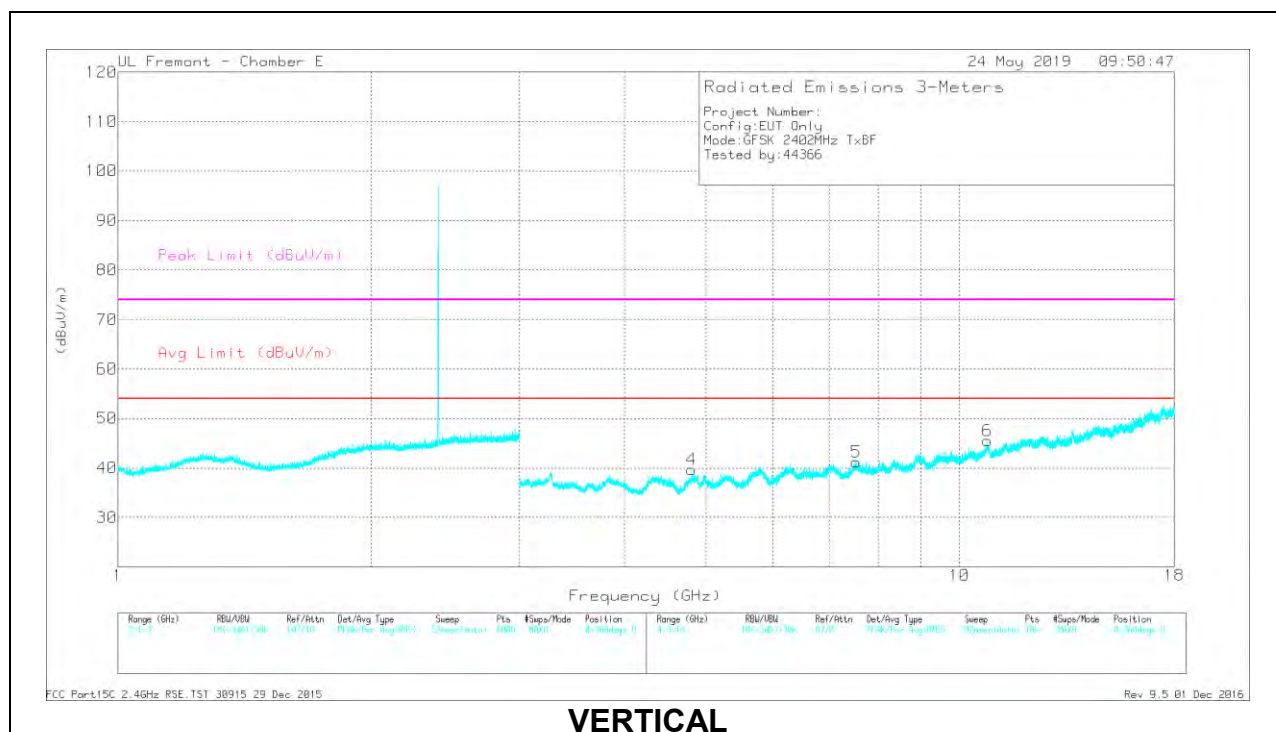
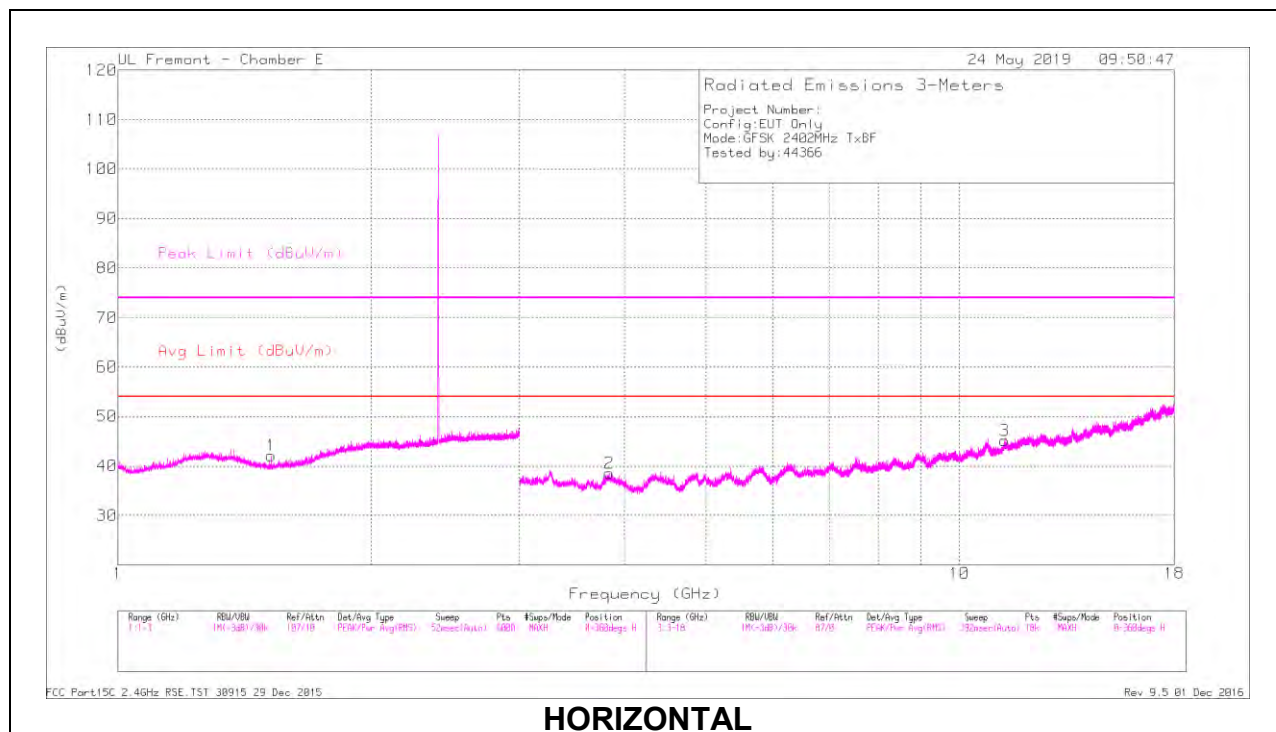


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.09	Pk	32.5	-23.3	50.29	-	-	74	-23.71	359	115	V
3	* 2.484	30.99	VA1T	32.5	-23.3	40.19	54	-13.81	-	-	359	115	V
2	2.514	44.13	Pk	32.6	-23.2	53.53	-	-	74	-20.47	359	115	V
4	2.527	30.92	VA1T	32.6	-23.1	40.42	54	-13.58	-	-	359	115	V

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

Pk - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

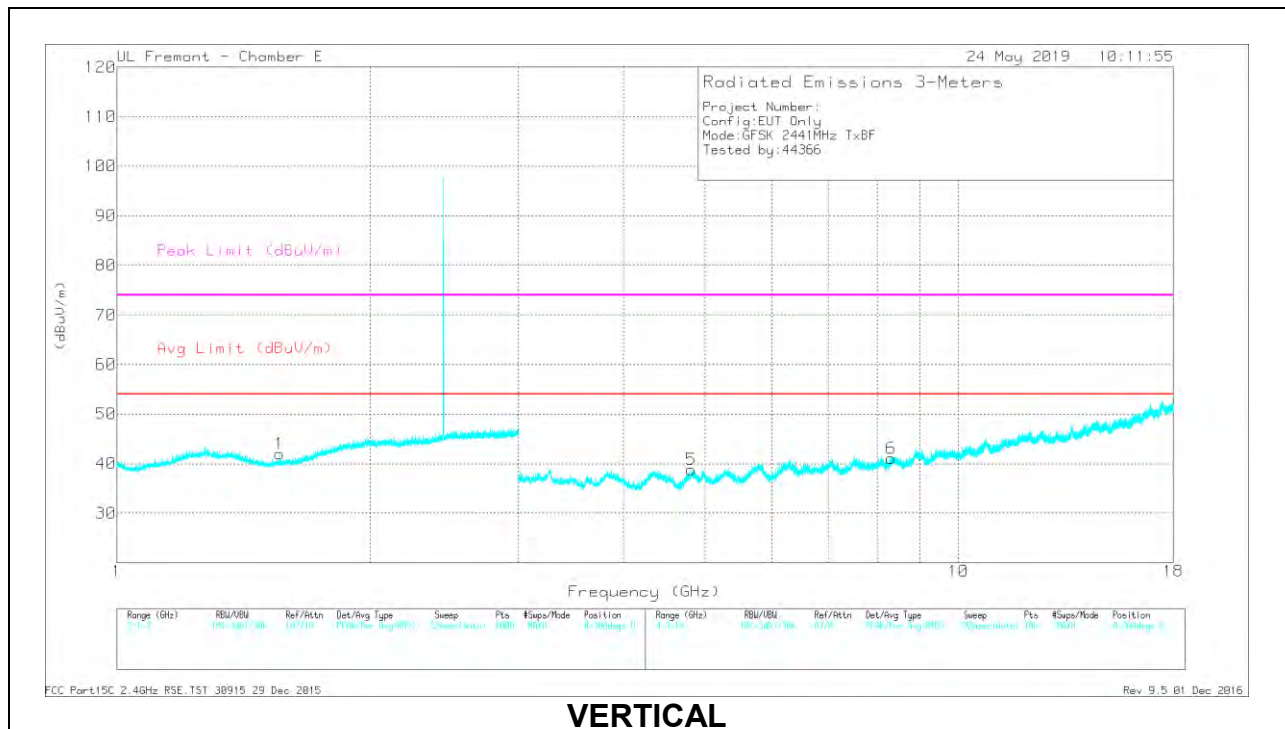
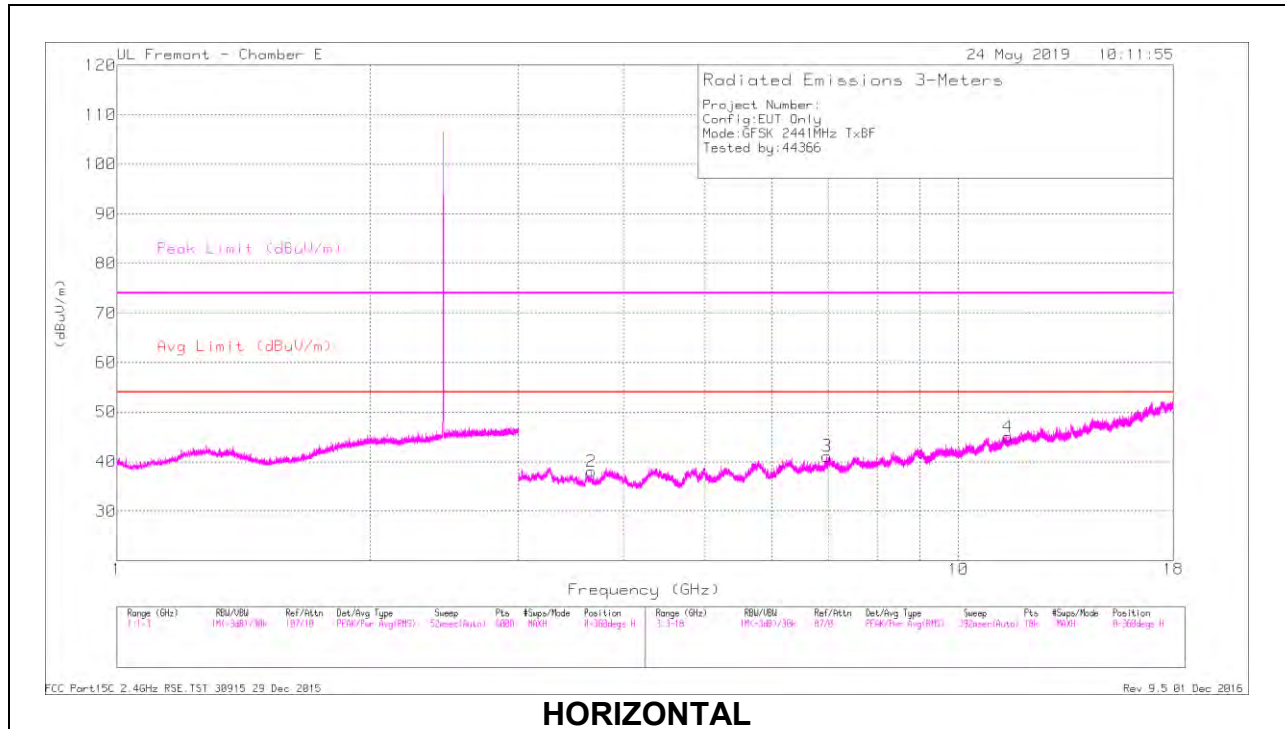
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.521	44.73	PKFH	27.8	-26.2	46.33	-	-	74	-27.67	41	100	H
	* 1.523	32.83	VA1T	27.8	-26.2	34.43	54	-19.57	-	-	41	100	H
2	* 3.835	41.52	PKFH	33.4	-30.9	44.02	-	-	74	-29.98	151	188	H
	* 3.838	29.86	VA1T	33.4	-30.8	32.46	54	-21.54	-	-	151	188	H
3	* 11.316	35.2	PKFH	38.1	-22.1	51.2	-	-	74	-22.8	186	216	H
	* 11.315	23.17	VA1T	38.1	-22.1	39.17	54	-14.83	-	-	186	216	H
4	* 4.807	41.12	PKFH	34.1	-30.5	44.72	-	-	74	-29.28	198	240	V
	* 4.807	28.87	VA1T	34.1	-30.5	32.47	54	-21.53	-	-	198	240	V
5	* 7.533	37.22	PKFH	35.7	-26.3	46.62	-	-	74	-27.38	165	232	V
	* 7.531	25.59	VA1T	35.7	-26.4	34.89	54	-19.11	-	-	165	232	V
6	* 10.804	36.17	PKFH	37.9	-23.2	50.87	-	-	74	-23.13	184	255	V
	* 10.802	24.2	VA1T	37.9	-23.1	39	54	-15	-	-	184	255	V

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

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

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

MID CHANNEL RESULTS



RADIATED EMISSIONS

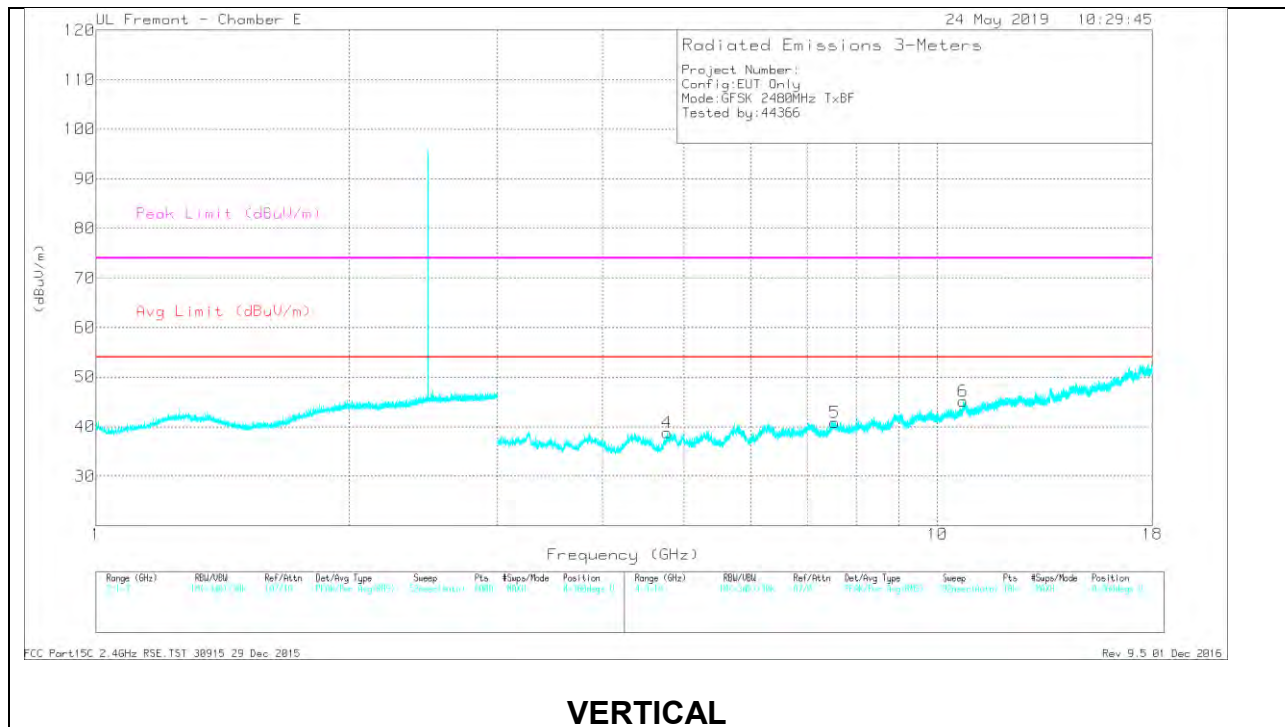
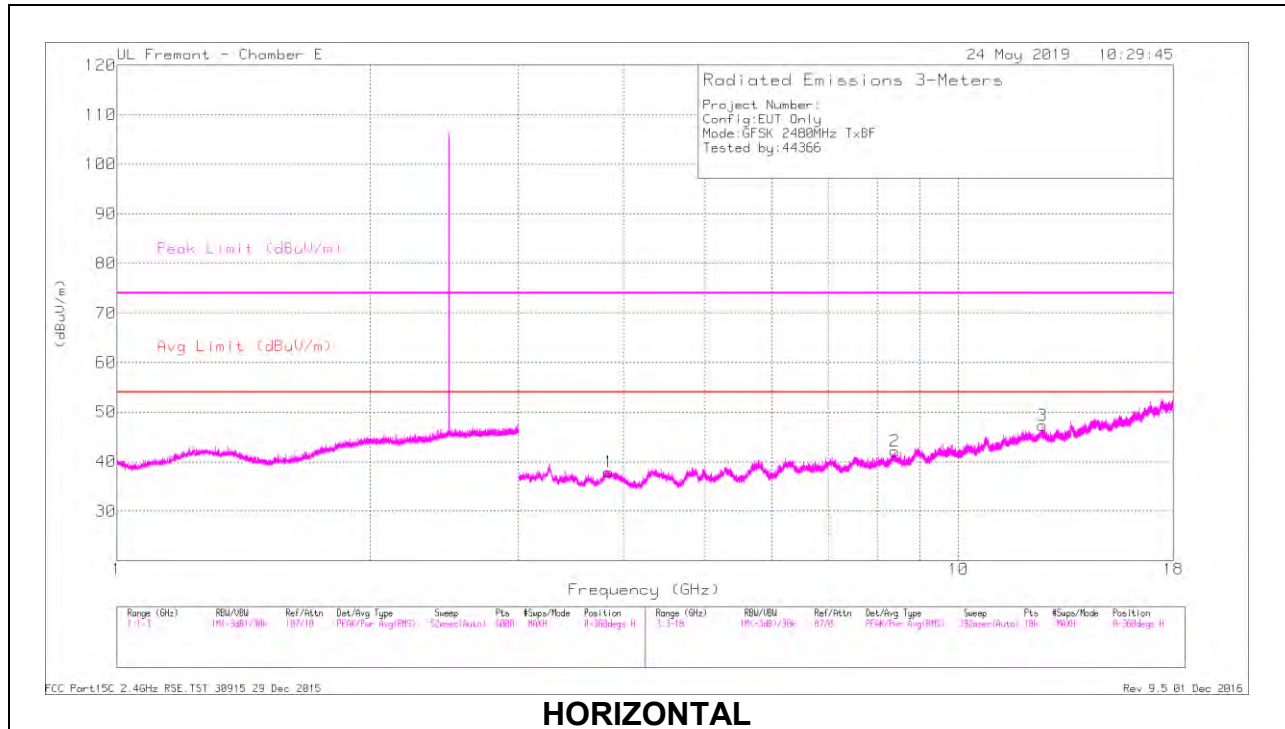
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.558	44.71	PKFH	28.1	-26.2	46.61	-	-	74	-27.39	276	211	V
	* 1.559	32.87	VA1T	28.1	-26.2	34.77	54	-19.23	-	-	276	211	V
2	* 3.659	42.02	PKFH	33.2	-33	42.22	-	-	74	-31.78	305	189	H
	* 3.663	30.63	VA1T	33.2	-33	30.83	54	-23.17	-	-	305	189	H
4	* 11.443	35.55	PKFH	38.3	-23.2	50.65	-	-	74	-23.35	240	227	H
	* 11.441	23.42	VA1T	38.3	-23.2	38.52	54	-15.48	-	-	240	227	H
5	* 4.816	40.66	PKFH	34.1	-30.1	44.66	-	-	74	-29.34	265	181	V
	* 4.817	28.91	VA1T	34.1	-30.1	32.91	54	-21.09	-	-	265	181	V
6	* 8.314	37.64	PKFH	35.9	-26.1	47.44	-	-	74	-26.56	302	252	V
	* 8.314	25.21	VA1T	35.9	-26.1	35.01	54	-18.99	-	-	302	252	V
3	6.979	37.6	PKFH	35.7	-27.3	46	-	-	-	-	318	233	H

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

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

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

HIGH CHANNEL RESULTS



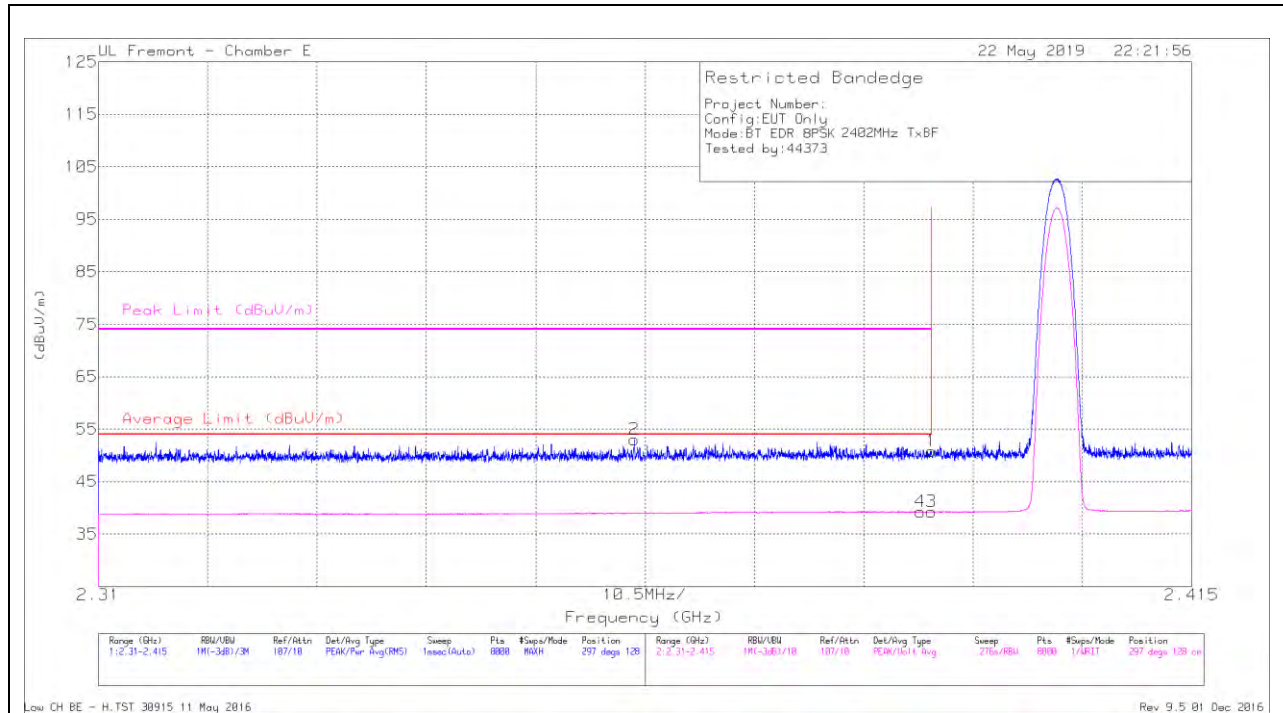
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.838	41.91	PKFH	33.4	-30.8	44.51	-	-	74	-29.49	250	400	H
	* 3.84	29.93	VA1T	33.4	-30.8	32.53	54	-21.47	-	-	250	400	H
2	* 8.394	36.79	PKFH	35.8	-25.6	46.99	-	-	74	-27.01	287	338	H
	* 8.394	25.44	VA1T	35.8	-25.6	35.64	54	-18.36	-	-	287	338	H
3	* 12.592	34.81	PKFH	39.1	-21.4	52.51	-	-	74	-21.49	300	306	H
	* 12.59	22.69	VA1T	39	-21.4	40.29	54	-13.71	-	-	300	306	H
4	* 4.768	41.83	PKFH	34	-31.1	44.73	-	-	74	-29.27	278	275	V
	* 4.769	29.18	VA1T	34	-31.1	32.08	54	-21.92	-	-	278	275	V
5	* 7.546	37.24	PKFH	35.8	-26.3	46.74	-	-	74	-27.26	251	256	V
	* 7.548	25.55	VA1T	35.8	-26.3	35.05	54	-18.95	-	-	251	256	V
6	* 10.719	36.67	PKFH	37.9	-24.2	50.37	-	-	74	-23.63	273	268	V
	* 10.718	24.47	VA1T	37.9	-24.3	38.07	54	-15.93	-	-	273	268	V

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

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

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

9.2.4. LOW POWER ENHANCED DATA RATE 8PSK MODULATION**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

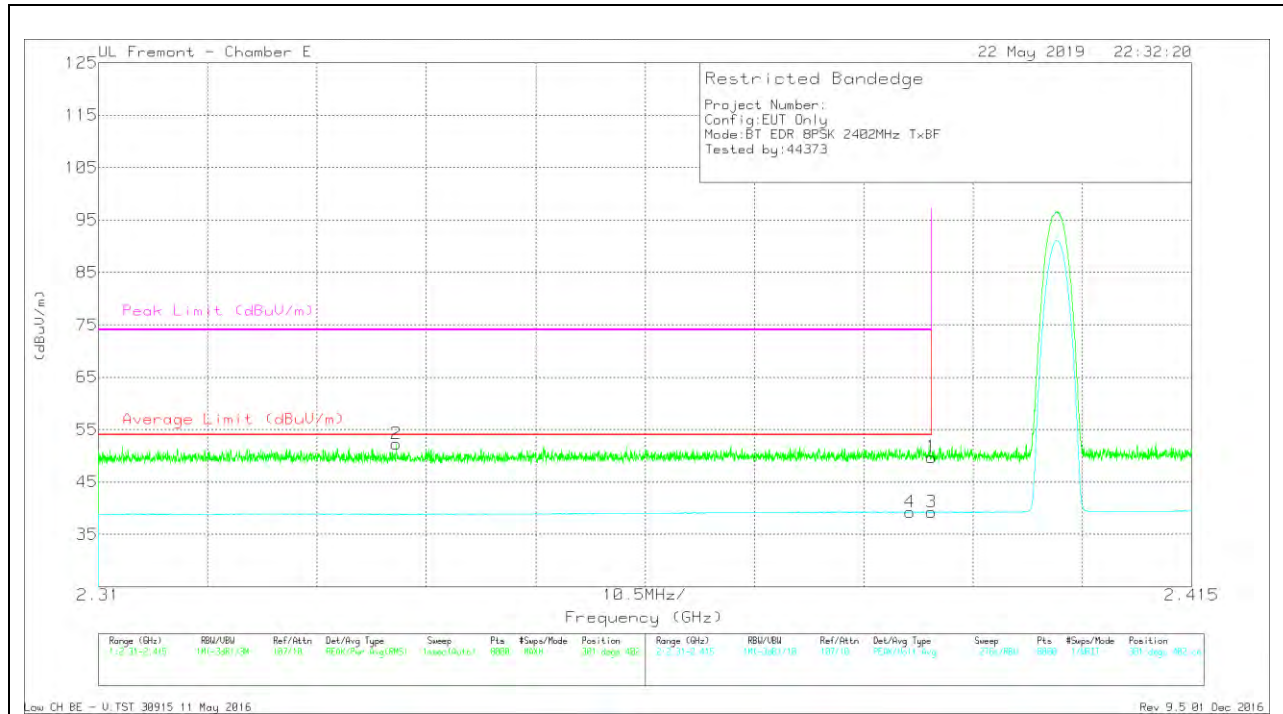
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.361	47.23	Pk	32.1	-26.3	53.03	-	-	74	-20.97	297	128	H
4	* 2.389	33.13	VA1T	32.3	-26.2	39.23	54	-14.77	-	-	297	128	H
1	* 2.39	44.73	Pk	32.3	-26.2	50.83	-	-	74	-23.17	297	128	H
3	* 2.39	33.09	VA1T	32.3	-26.2	39.19	54	-14.81	-	-	297	128	H

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

Pk - Peak detector

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

VERTICAL RESULT

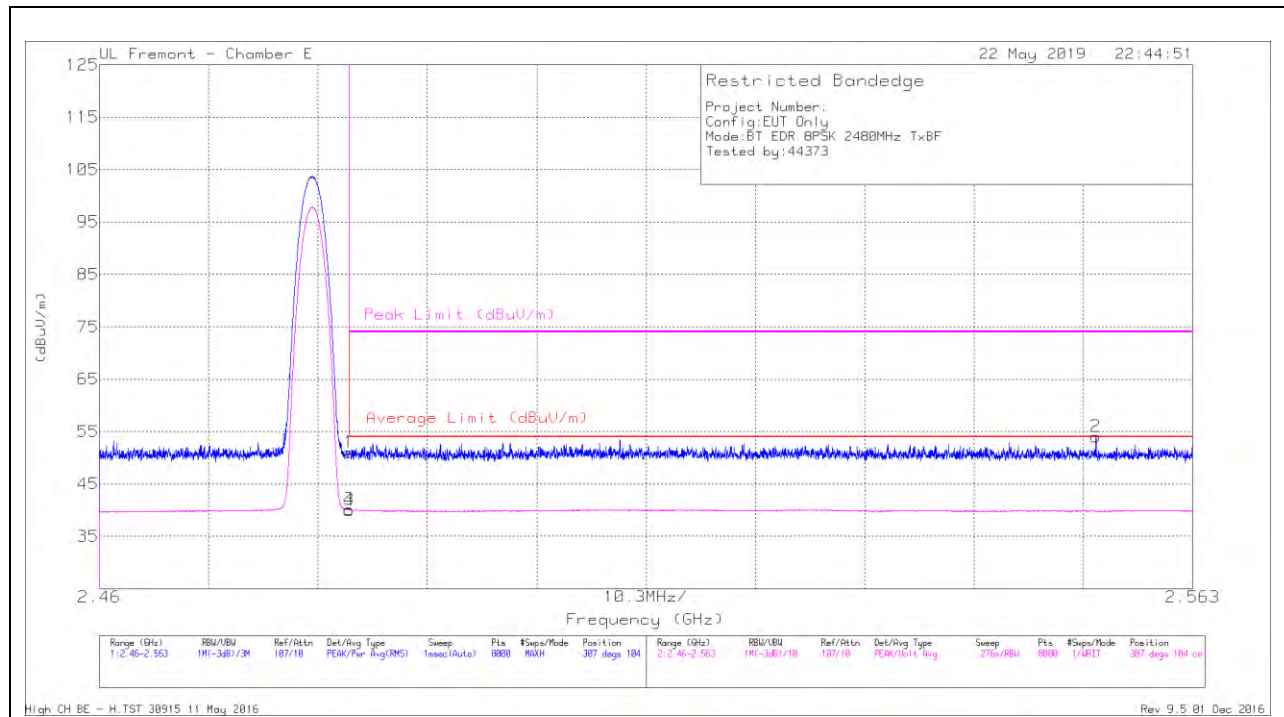


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.339	46.59	Pk	31.9	-26.2	52.29	-	-	74	-21.71	301	402	V
4	* 2.388	33.16	VA1T	32.3	-26.2	39.26	54	-14.74	-	-	301	402	V
1	* 2.39	43.63	Pk	32.3	-26.2	49.73	-	-	74	-24.27	301	402	V
3	* 2.39	33.09	VA1T	32.3	-26.2	39.19	54	-14.81	-	-	301	402	V

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

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

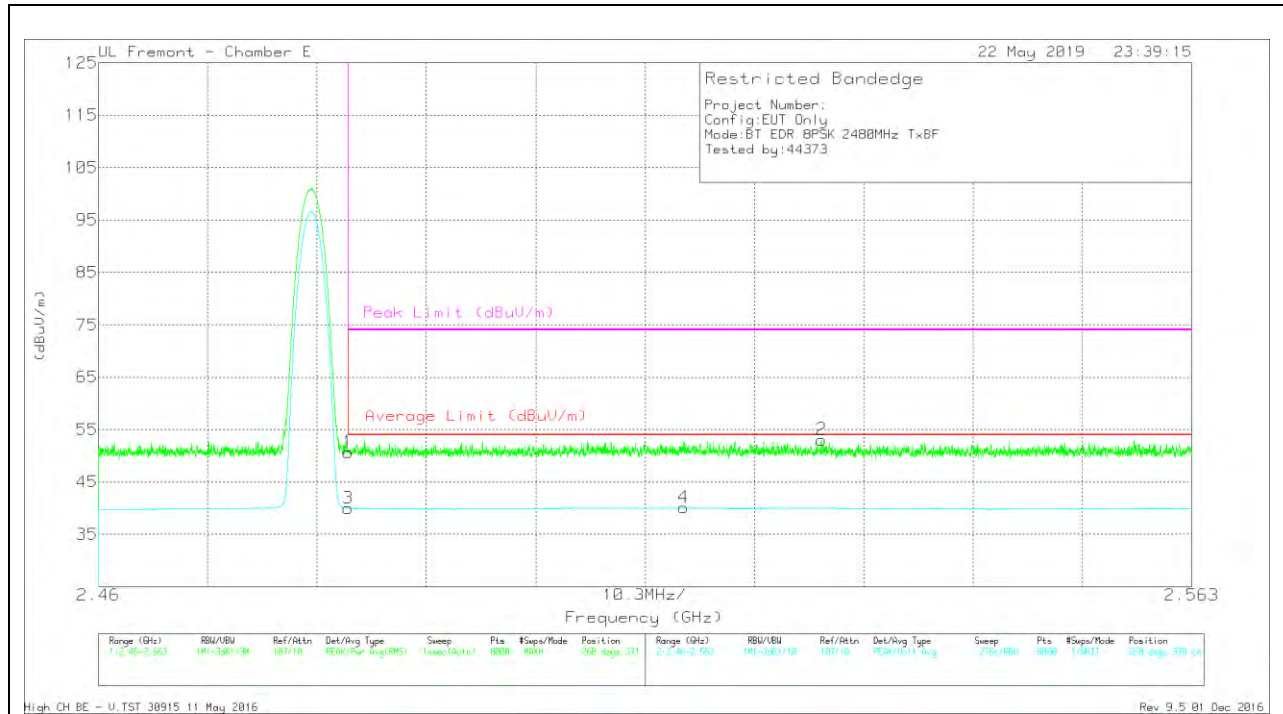
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.48	Pk	32.8	-26.3	50.98	-	-	74	-23.02	307	104	H
3	* 2.484	33.57	VA1T	32.8	-26.3	40.07	54	-13.93	-	-	307	104	H
4	* 2.484	33.54	VA1T	32.8	-26.3	40.04	54	-13.96	-	-	307	104	H
2	2.554	47.51	Pk	32.8	-26.3	54.01	-	-	74	-19.99	307	104	H

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

Pk - Peak detector

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

VERTICAL RESULT

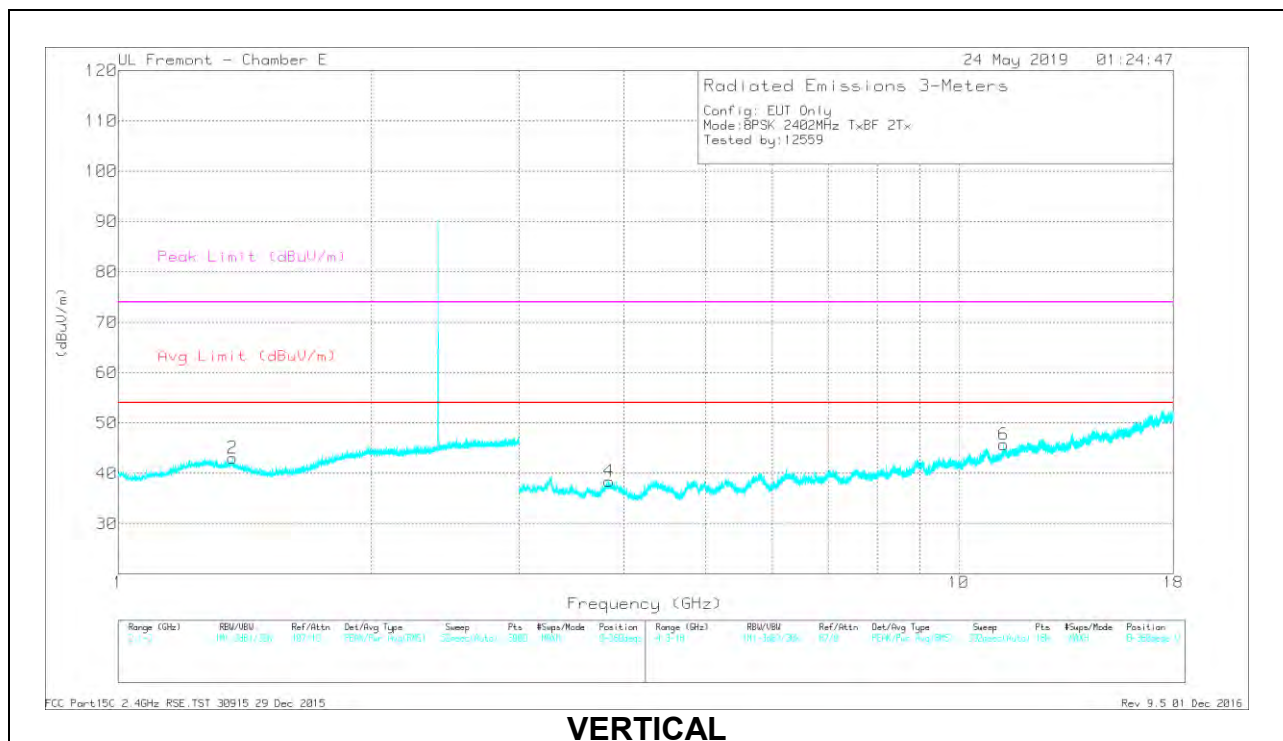
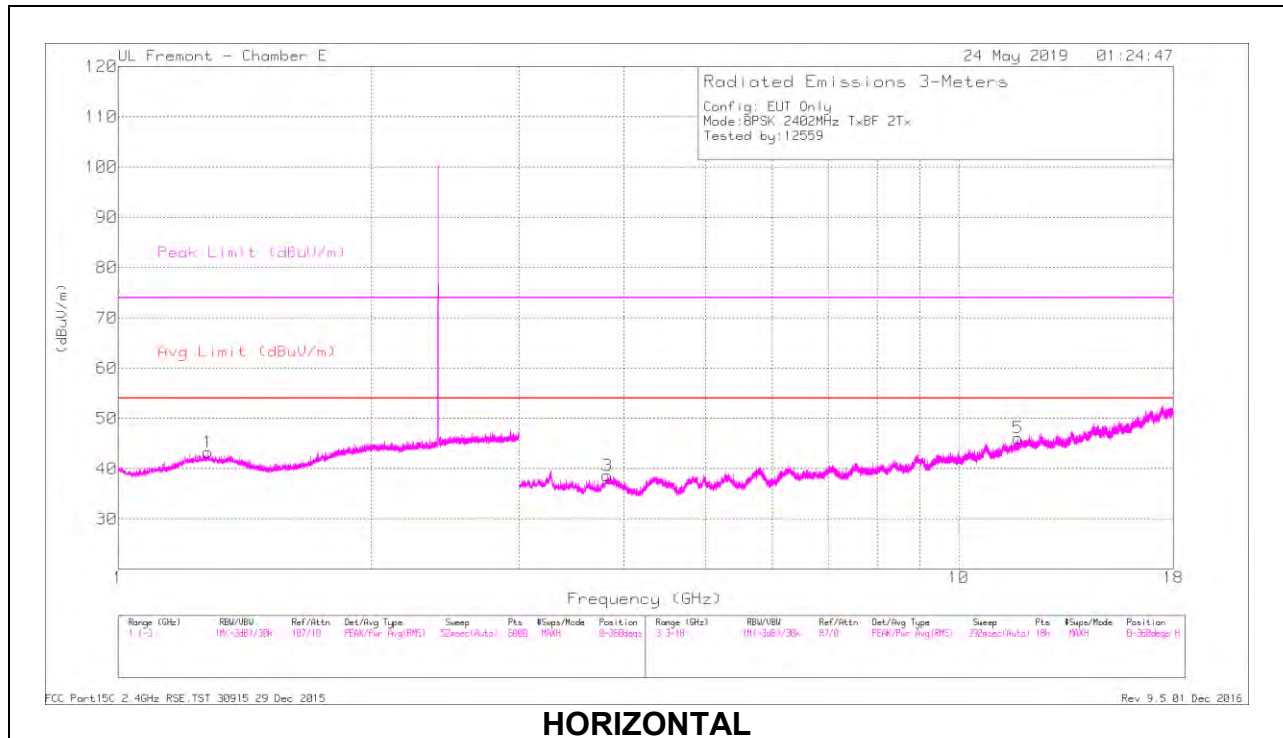


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.19	Pk	32.8	-26.3	50.69	-	-	74	-23.31	268	371	V
3	* 2.484	33.51	VA1T	32.8	-26.3	40.01	54	-13.99	-	-	268	370	V
4	2.515	33.36	VA1T	32.9	-26.2	40.06	54	-13.94	-	-	268	370	V
2	2.528	46.48	Pk	32.9	-26.3	53.08	-	-	74	-20.92	268	371	V

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

Pk - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

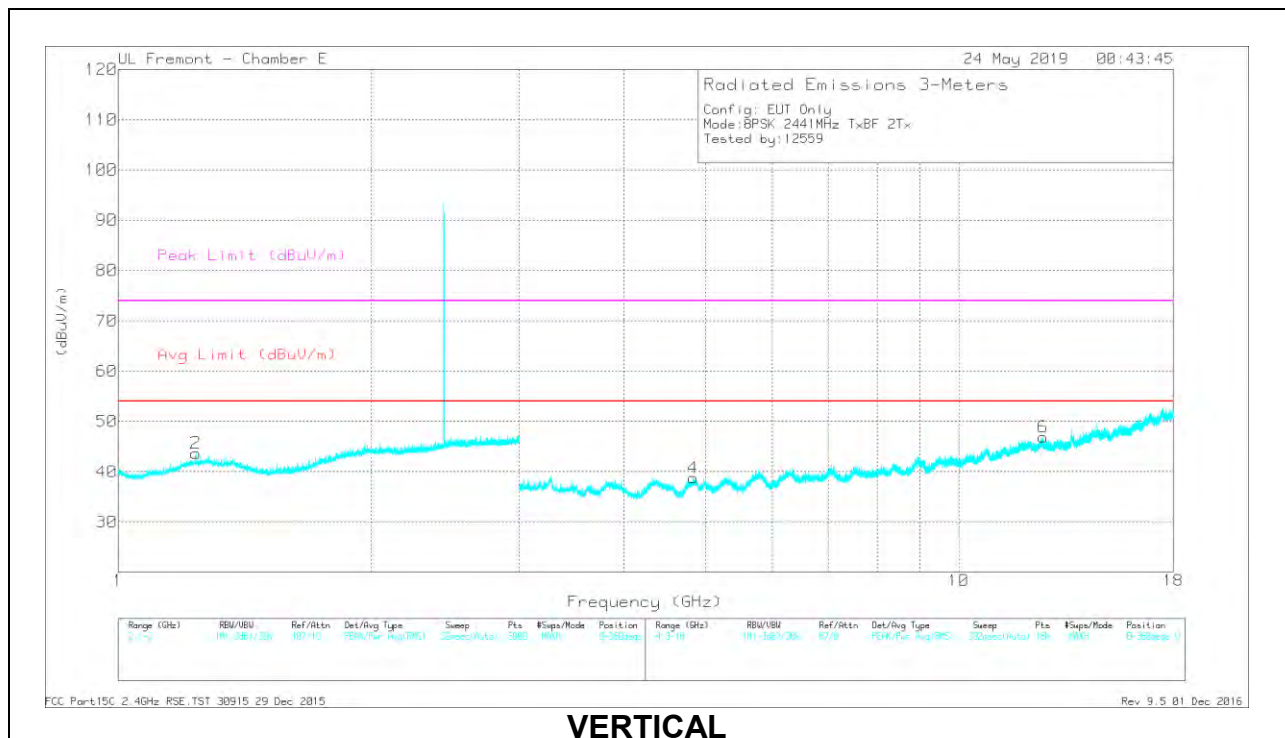
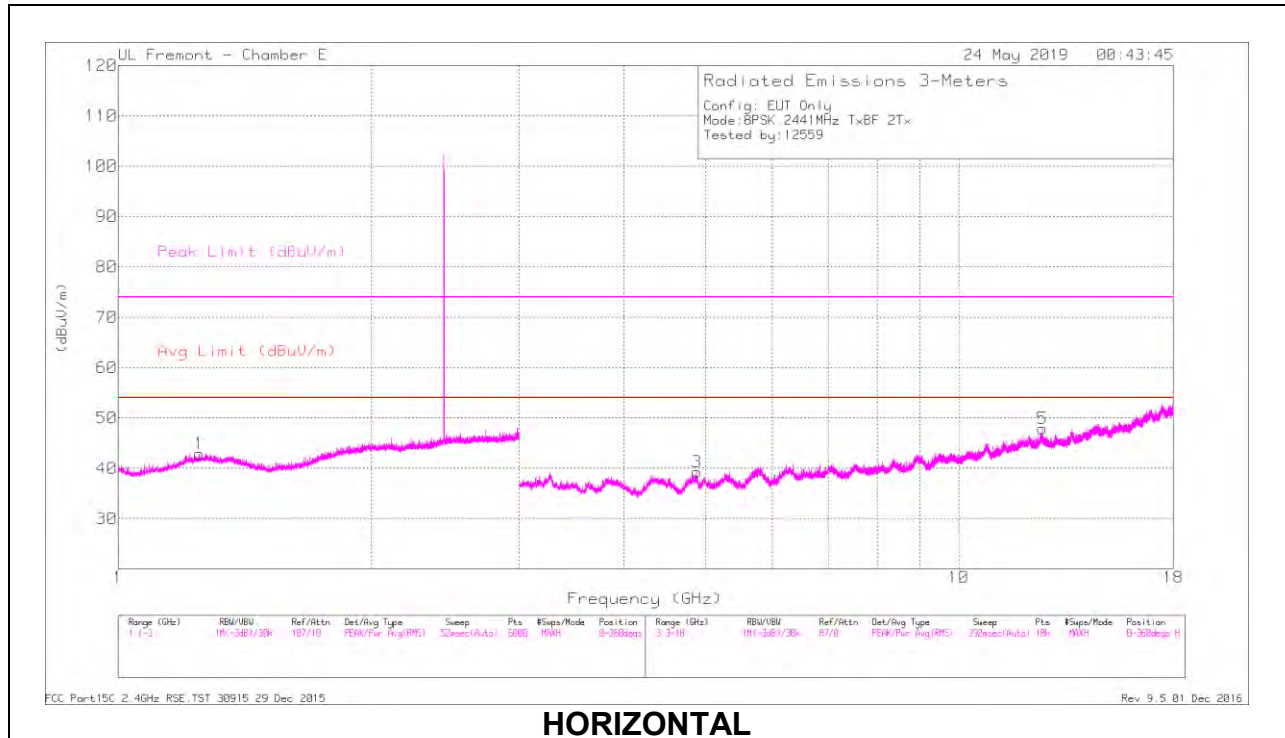
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.28	44.39	PKFH	30.1	-26.2	48.29	-	-	74	-25.71	247	152	H
	* 1.278	32.73	VA1T	30.2	-26.2	36.73	54	-17.27	-	-	247	152	H
2	* 1.368	44.98	PKFH	29.8	-26.2	48.58	-	-	74	-25.42	163	240	V
	* 1.367	32.82	VA1T	29.8	-26.2	36.42	54	-17.58	-	-	163	240	V
3	* 3.819	42.57	PKFH	33.4	-31.2	44.77	-	-	74	-29.23	0	138	H
	* 3.82	30.4	VA1T	33.4	-31.3	32.5	54	-21.5	-	-	0	138	H
5	* 11.77	34.95	PKFH	38.8	-22.6	51.15	-	-	74	-22.85	144	238	H
	* 11.771	23.04	VA1T	38.8	-22.6	39.24	54	-14.76	-	-	144	238	H
4	* 3.839	41.87	PKFH	33.4	-30.8	44.47	-	-	74	-29.53	65	171	V
	* 3.839	29.84	VA1T	33.4	-30.8	32.44	54	-21.56	-	-	65	171	V
6	* 11.31	35.45	PKFH	38.1	-22.2	51.35	-	-	74	-22.65	321	257	V
	* 11.307	23.16	VA1T	38.1	-22.3	38.96	54	-15.04	-	-	321	257	V

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

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

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

MID CHANNEL RESULTS



RADIATED EMISSIONS

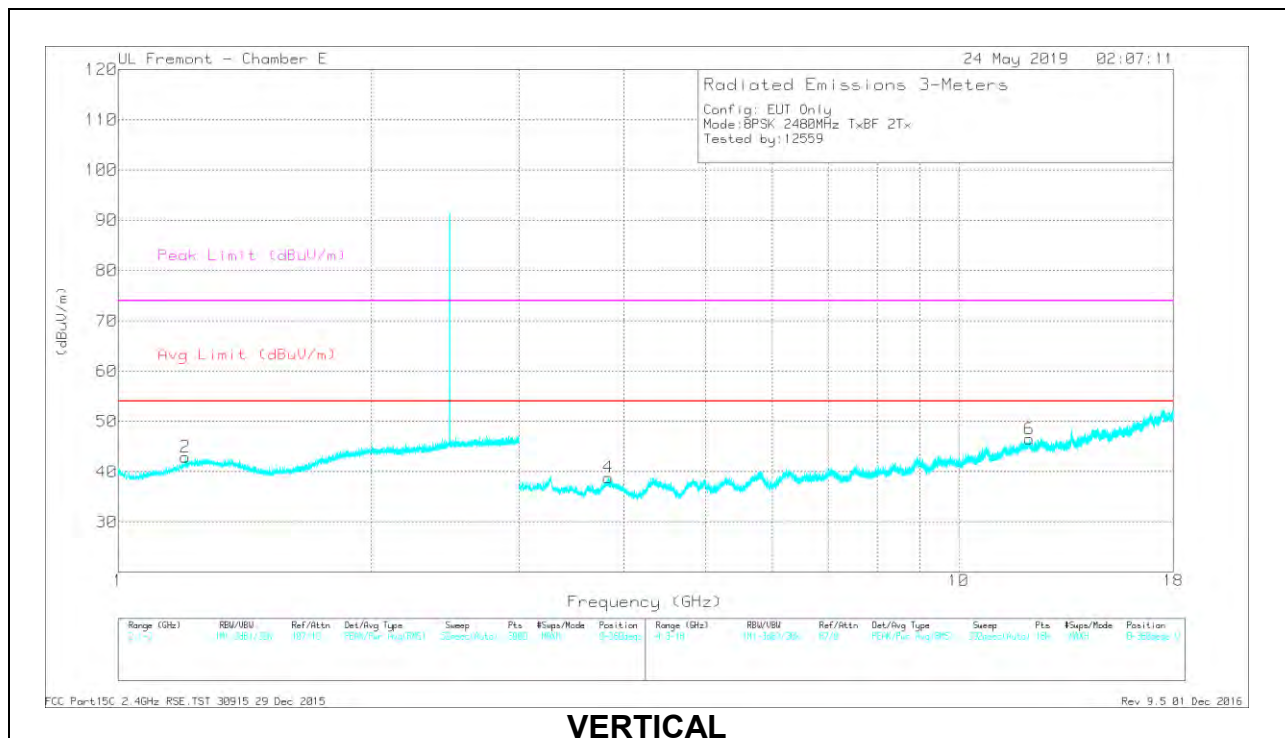
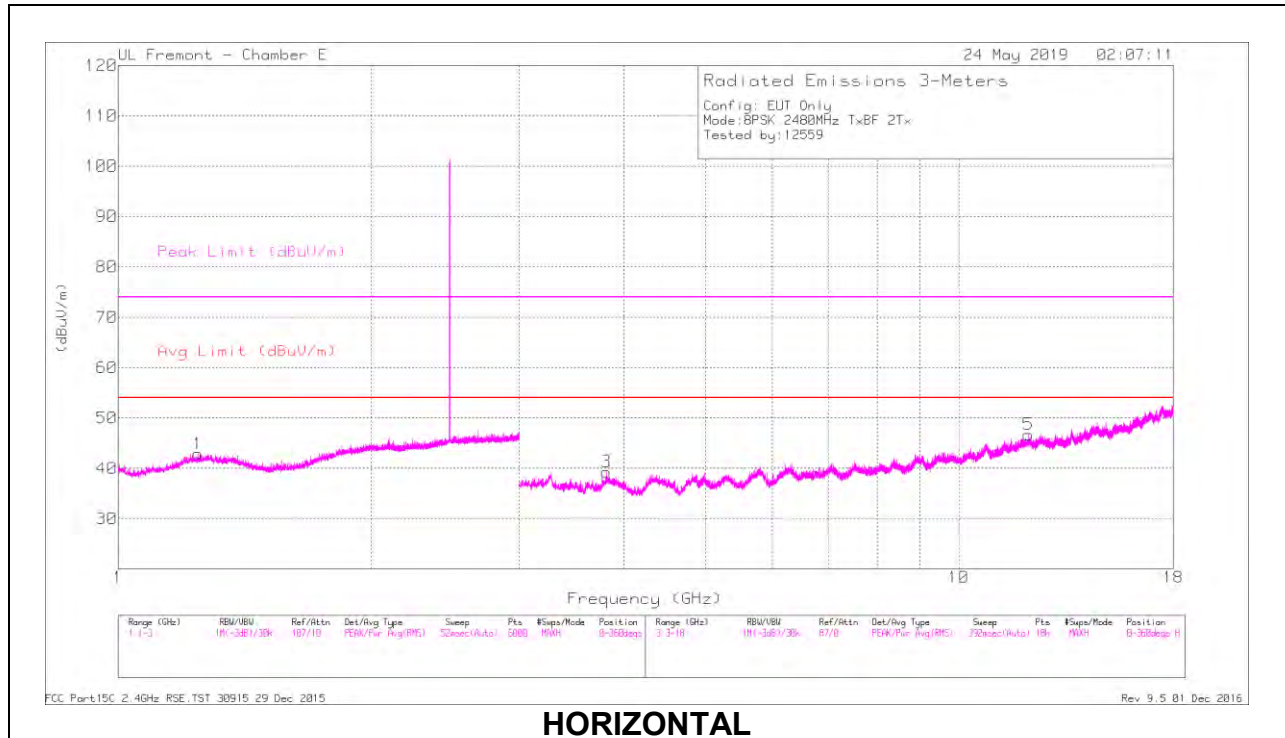
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	44.24	PKFH	29.9	-26.2	47.94	-	-	74	-26.06	226	147	H
	* 1.249	32.65	VA1T	29.9	-26.2	36.35	54	-17.65	-	-	226	147	H
2	* 1.237	44.76	PKFH	29.8	-26.1	48.46	-	-	74	-25.54	44	218	V
	* 1.239	32.6	VA1T	29.8	-26.1	36.3	54	-17.7	-	-	44	218	V
3	* 4.884	41.16	PKFH	33.9	-30	45.06	-	-	74	-28.94	265	335	H
	* 4.886	29	VA1T	33.9	-30	32.9	54	-21.1	-	-	265	335	H
5	* 12.579	34.27	PKFH	39.1	-21.5	51.87	-	-	74	-22.13	107	145	H
	* 12.581	22.8	VA1T	39.1	-21.5	40.4	54	-13.6	-	-	107	145	H
4	* 4.831	40.43	PKFH	34.2	-30.1	44.53	-	-	74	-29.47	7	143	V
	* 4.827	28.85	VA1T	34.1	-30	32.95	54	-21.05	-	-	7	143	V
6	* 12.61	34.29	PKFH	39.1	-21.4	51.99	-	-	74	-22.01	129	106	V
	* 12.609	22.68	VA1T	39.1	-21.4	40.38	54	-13.62	-	-	129	106	V

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

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

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

HIGH CHANNEL RESULTS



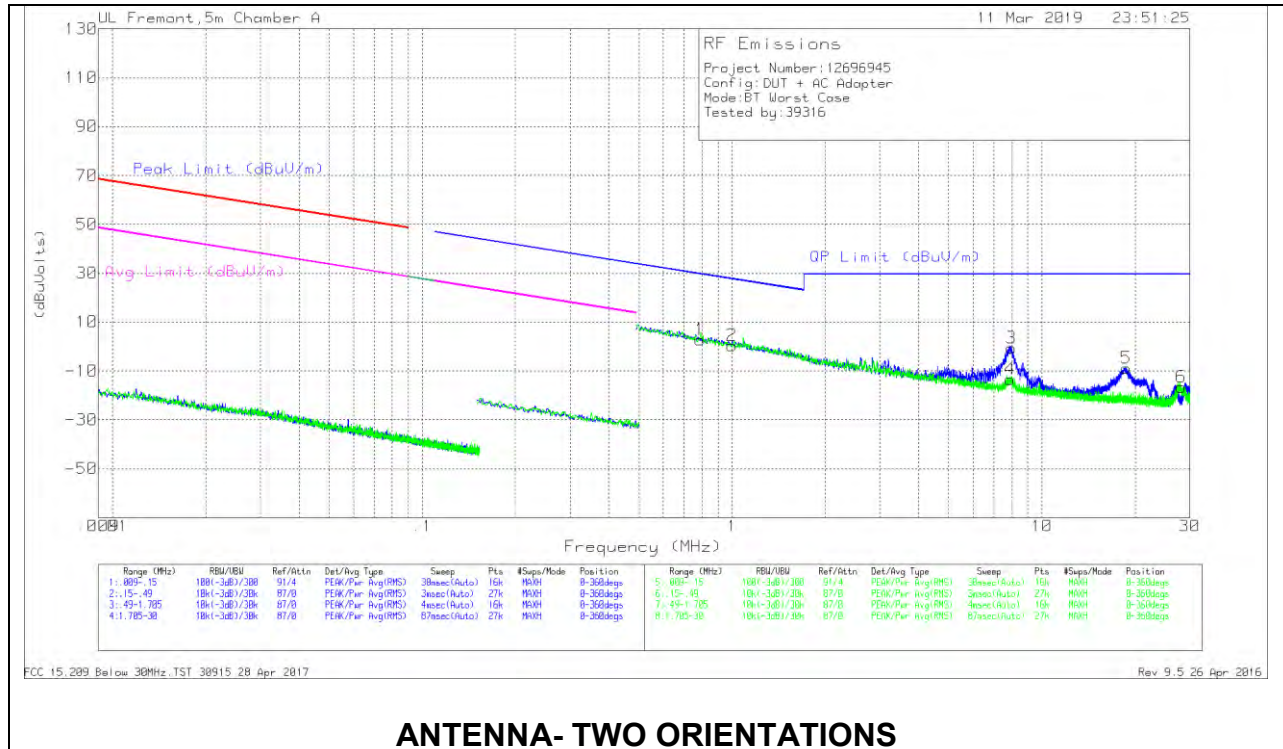
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.246	44.07	PKFH	29.9	-26.1	47.87	-	-	74	-26.13	257	145	H
	* 1.243	32.6	VA1T	29.8	-26.1	36.3	54	-17.7	-	-	257	145	H
2	* 1.204	44.08	PKFH	29.6	-26	47.68	-	-	74	-26.32	278	174	V
	* 1.2	32.54	VA1T	29.6	-26.1	36.04	54	-17.96	-	-	278	174	V
3	* 3.811	42.34	PKFH	33.4	-31.3	44.44	-	-	74	-29.56	186	115	H
	* 3.809	30.4	VA1T	33.3	-31.4	32.3	54	-21.7	-	-	186	115	H
5	* 12.101	34.82	PKFH	39	-21.8	52.02	-	-	74	-21.98	339	229	H
	* 12.103	22.78	VA1T	39	-21.8	39.98	54	-14.02	-	-	339	229	H
4	* 3.83	41.8	PKFH	33.4	-30.9	44.3	-	-	74	-29.7	86	133	V
	* 3.828	30.19	VA1T	33.4	-30.8	32.79	54	-21.21	-	-	86	133	V
6	* 12.138	34.97	PKFH	39	-21.7	52.27	-	-	74	-21.73	283	201	V
	* 12.134	22.89	VA1T	39	-21.6	40.29	54	-13.71	-	-	283	201	V

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

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

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

9.3. WORST CASE BELOW 30MHz**SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION, Parallel and Perpendicular)****ANTENNA- TWO ORIENTATIONS****Below 30MHz Data**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.78853	31.77	Pk	11	.1	-40	2.87	29.68	-26.81	0-360
2	.99776	28.93	Pk	11.3	.1	-40	.33	27.64	-27.31	0-360
4	7.89658	15.38	Pk	10.9	.4	-40	-13.32	29.5	-42.82	0-360
3	7.96523	28.07	Pk	10.9	.4	-40	-.63	29.5	-30.13	0-360
5	18.69675	20.16	Pk	10.3	.6	-40	-8.94	29.5	-38.44	0-360
6	28.16857	13.86	Pk	8.7	.7	-40	-16.74	29.5	-46.24	0-360

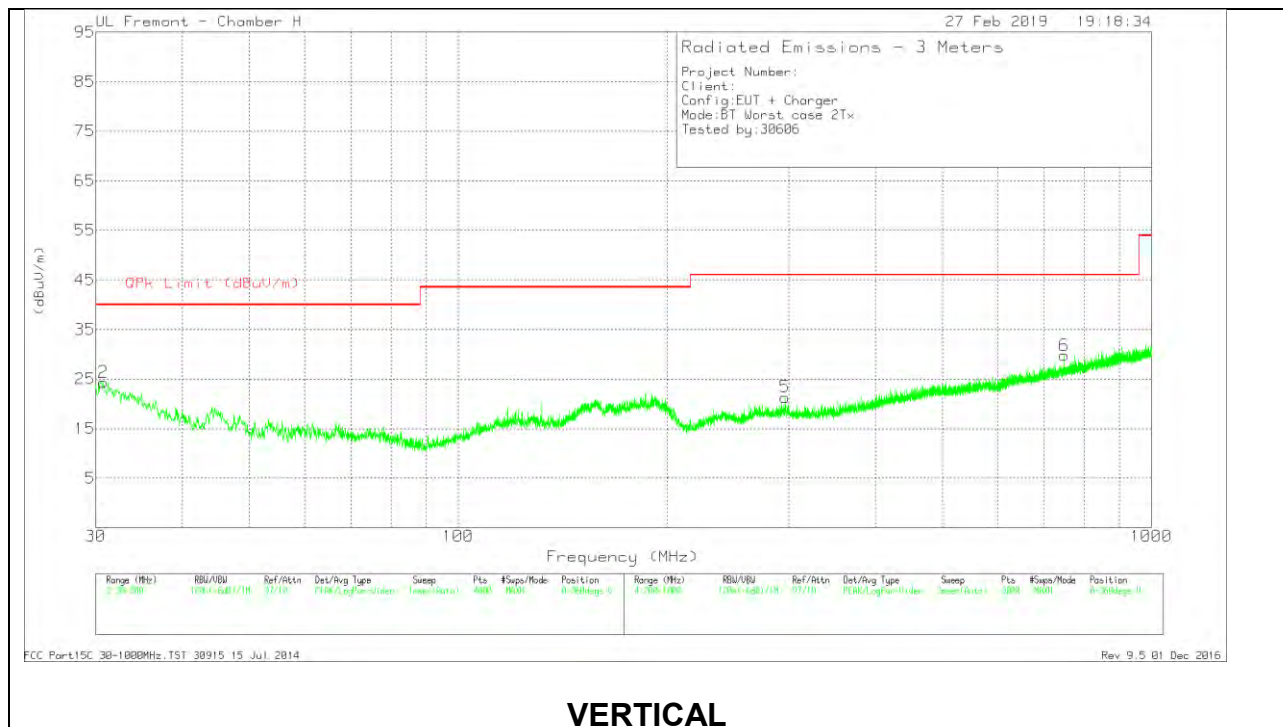
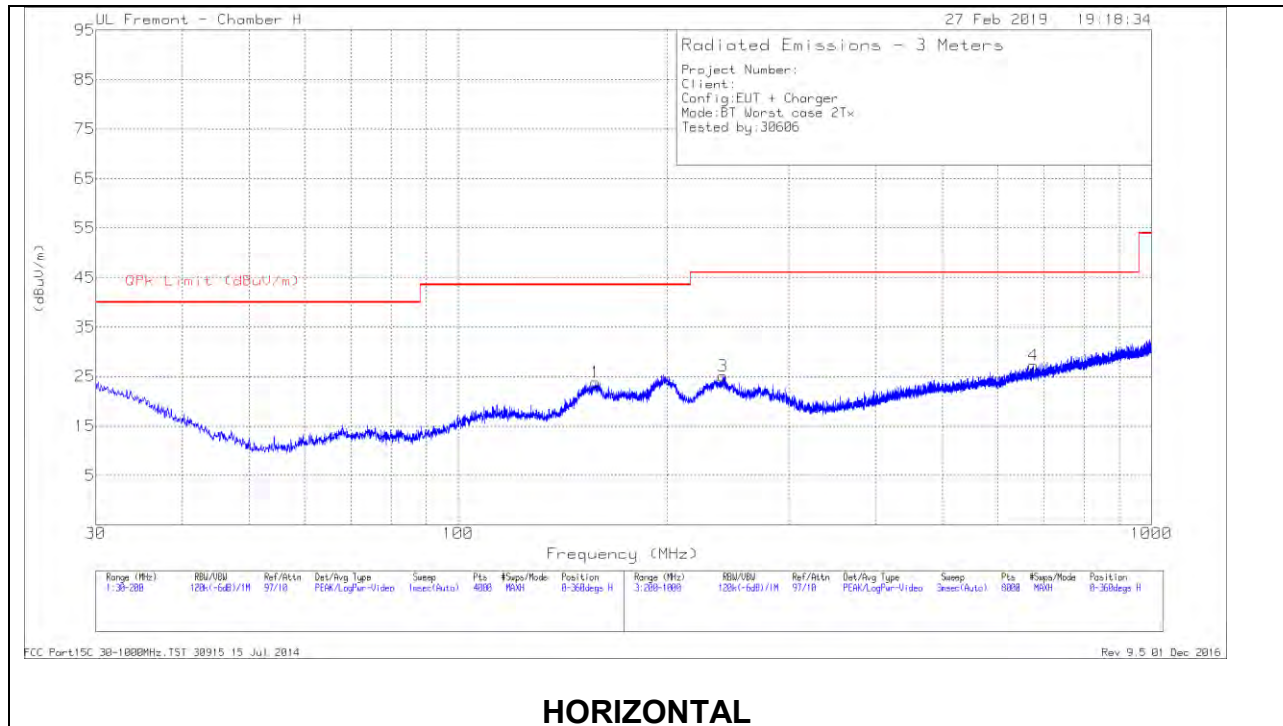
Pk - Peak detector

FCC 15.209 Below 30MHz.TST 30915 28 Apr 2017

Rev 9.5 26 Apr 2016

9.4. WORST CASE BELOW 1 GHz

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



Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 240.805	37.02	Pk	17.5	-29.4	25.12	46.02	-20.9	0-360	101	H
2	30.7652	29.19	Pk	26.5	-31.3	24.39	40	-15.61	0-360	100	V
1	157.9156	35.65	Pk	18.2	-30	23.85	43.52	-19.67	0-360	199	H
5	296.4125	31.25	Pk	19.2	-29.1	21.35	46.02	-24.67	0-360	100	V
4	675.9619	29.42	Pk	25.6	-27.8	27.22	46.02	-18.8	0-360	399	H
6	748.7713	30.89	Pk	26.5	-27.6	29.79	46.02	-16.23	0-360	100	V

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

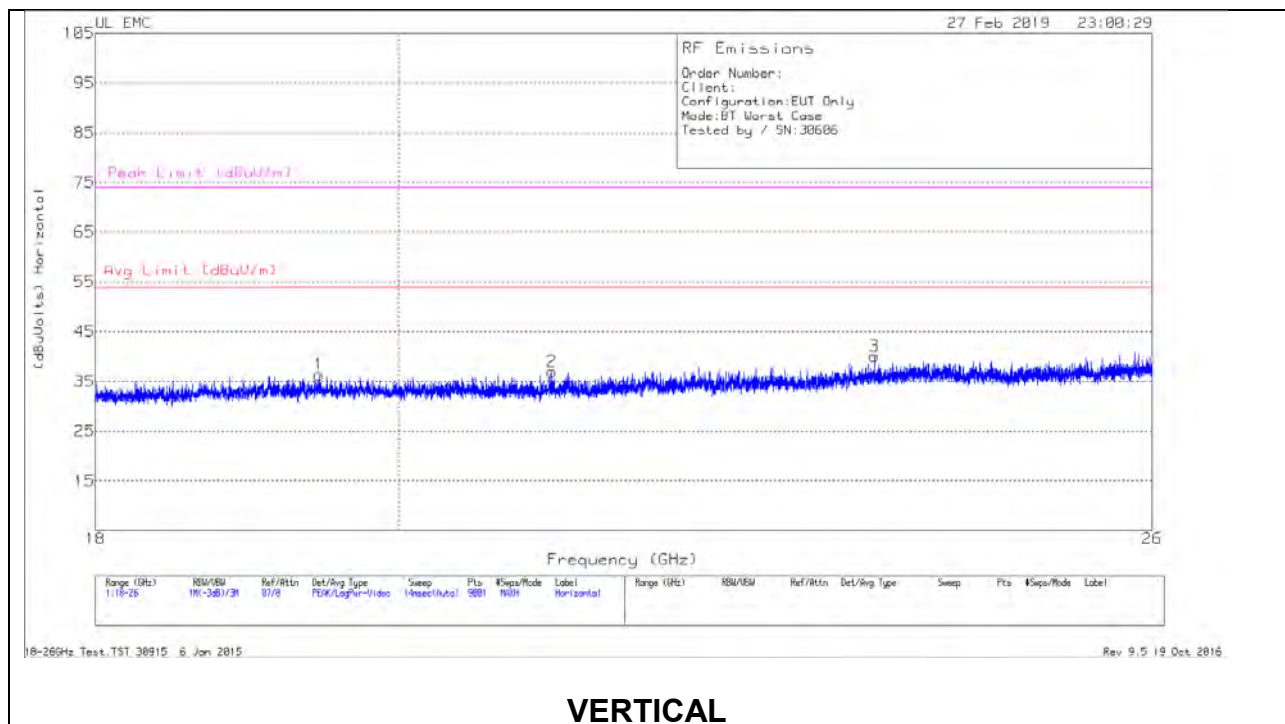
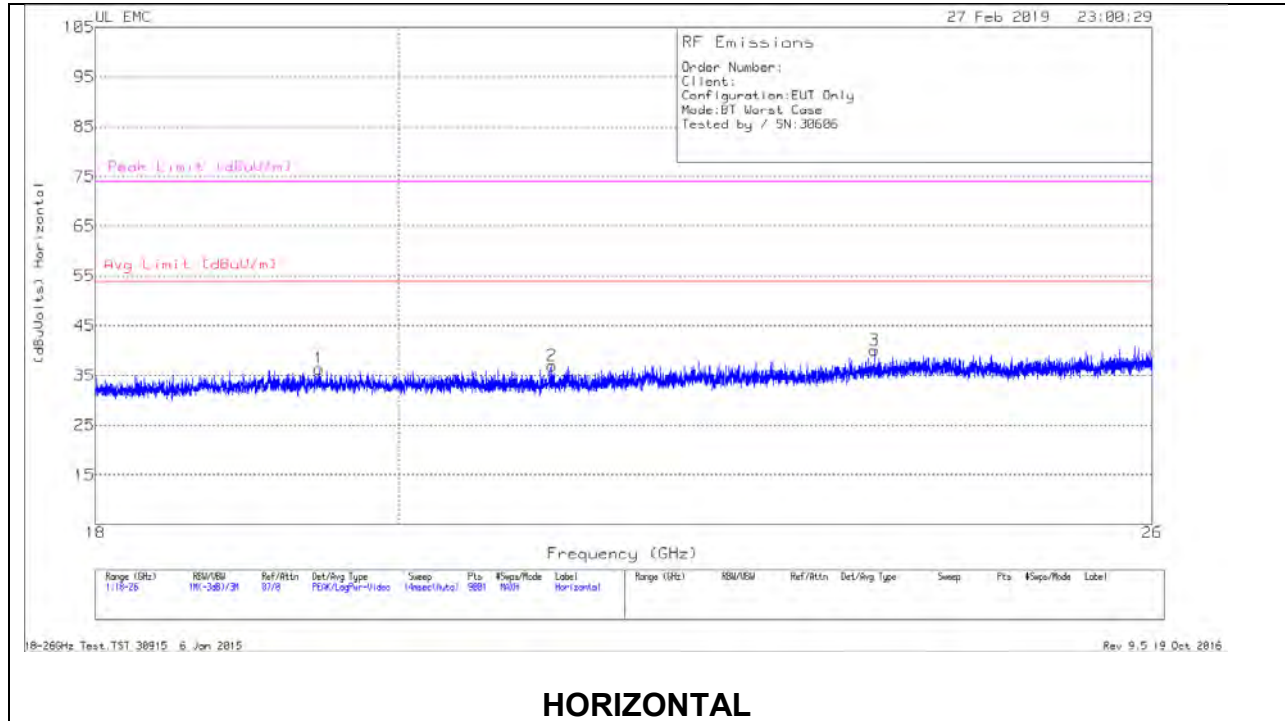
Pk - Peak detector

FCC Part15C 30-1000MHz.TST 30915 15 Jul 2014

Rev 9.5 01 Dec 2016

9.5. WORST CASE 18-26 GHZ

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



18 – 26GHz DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	T447 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	19.456	37.64	Pk	32.8	-24.6	-9.5	36.34	54	-17.66	74	-37.66
2	21.099	38.44	Pk	33.1	-25.1	-9.5	36.94	54	-17.06	74	-37.06
3	23.604	39.6	Pk	34.1	-24.1	-9.5	40.1	54	-13.9	74	-33.9
4	19.852	38.05	Pk	32.7	-25	-9.5	36.25	54	-17.75	74	-37.75
5	21.208	39.01	Pk	33	-24.7	-9.5	37.81	54	-16.19	74	-36.19
6	23.394	39.18	Pk	33.9	-24.5	-9.5	39.08	54	-14.92	74	-34.92

Pk - Peak detector

18-26GHz Test.TST 30915 6 Jan 2015

Rev 9.5 19 Oct 2016

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

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

TEST PROCEDURE

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

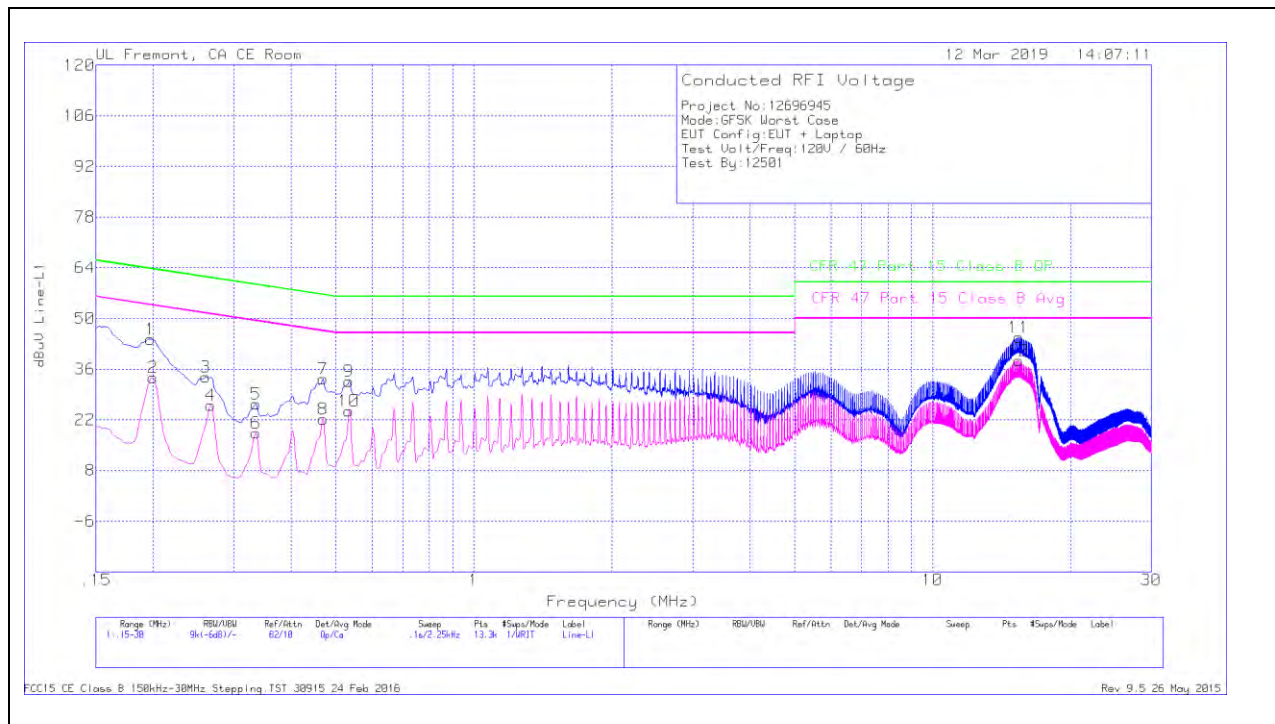
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1. AC Power Line Host

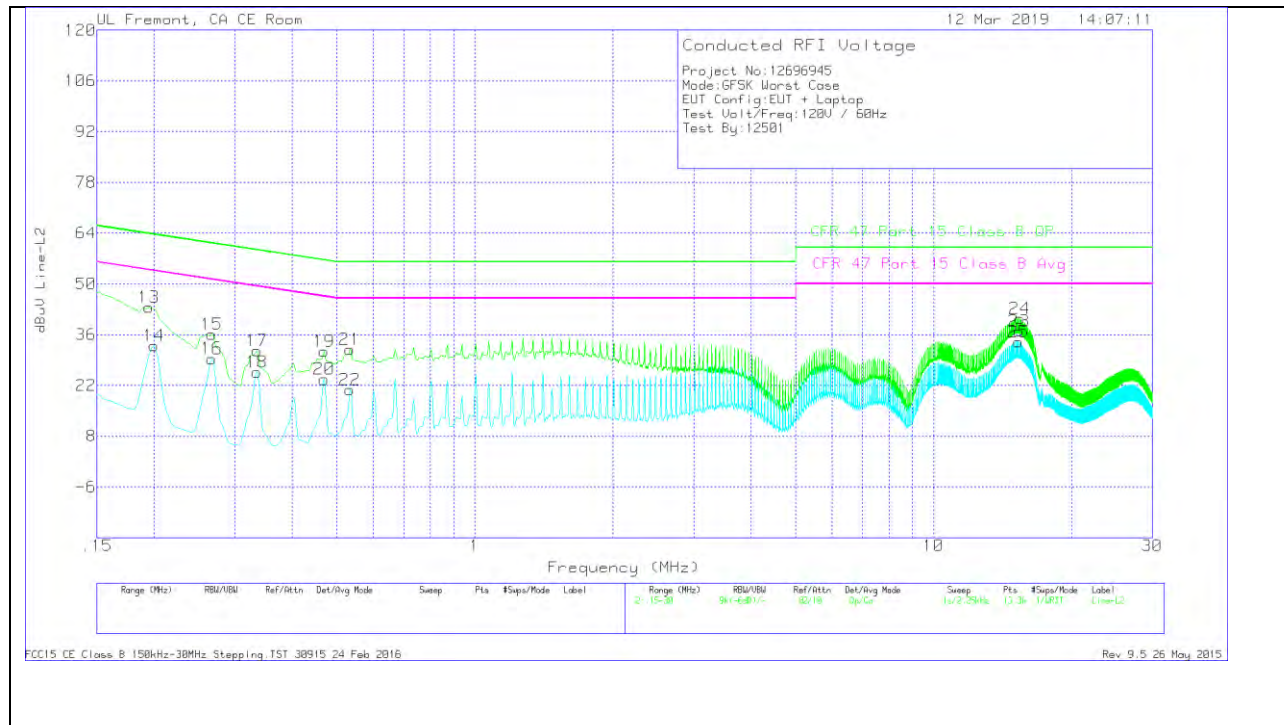
LINE 1 RESULTS



Range 1: Line-L1 15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.19725	34.17	Qp	0	0	10.1	44.27	63.73	-19.46	-	-
2	.1995	23.61	Ca	0	0	10.1	33.71	-	-	53.63	-19.92
3	.26025	23.75	Qp	0	0	10.1	33.85	61.42	-27.57	-	-
4	.267	15.9	Ca	0	0	10.1	26	-	-	51.21	-25.21
5	.3345	16.21	Qp	0	0	10.1	26.31	59.34	-33.03	-	-
6	.3345	8.3	Ca	0	0	10.1	18.4	-	-	49.34	-30.94
7	.4695	23.14	Qp	0	0	10.1	33.24	56.52	-23.28	-	-
8	.4695	12.01	Ca	0	0	10.1	22.11	-	-	46.52	-24.41
9	.53475	22.5	Qp	0	0	10.1	32.6	56	-23.4	-	-
10	.53475	14.27	Ca	0	0	10.1	24.37	-	-	46	-21.63
11	15.4095	34.24	Qp	.1	.3	10.2	44.84	60	-15.16	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



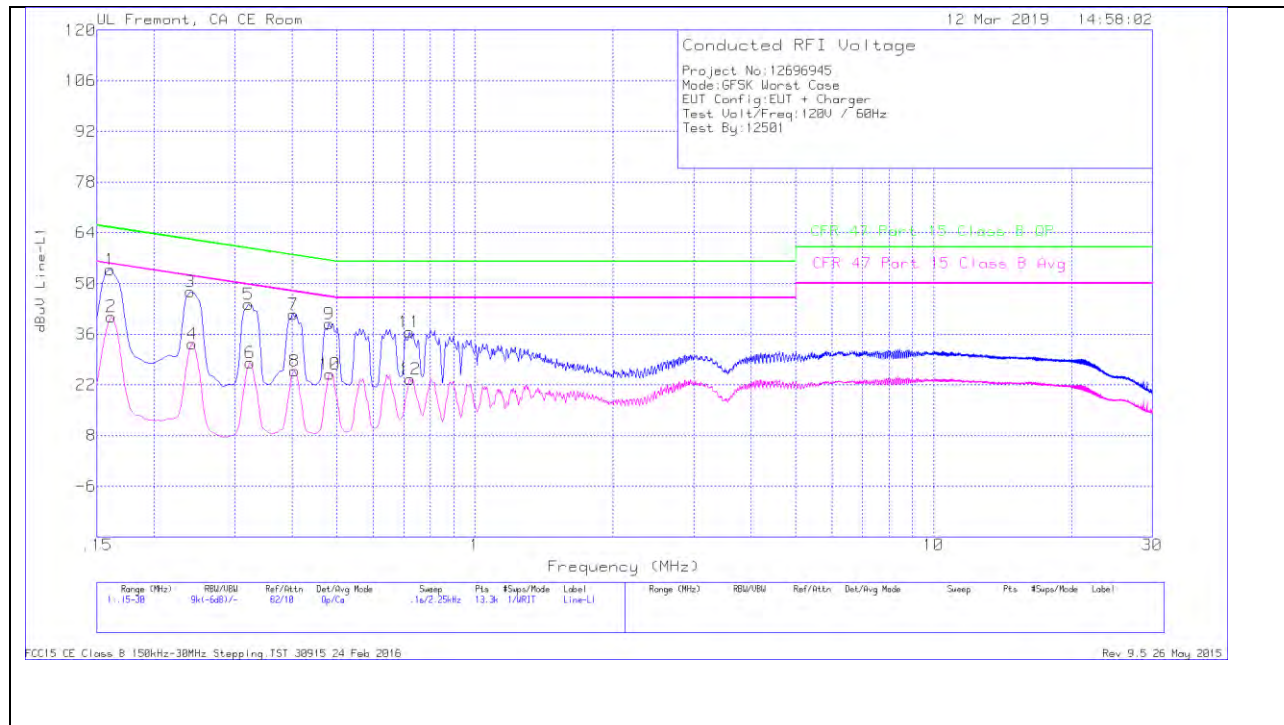
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.195	33.41	Qp	0	0	10.1	43.51	63.82	-20.31	-	-
14	.1995	22.84	Ca	0	0	10.1	32.94	-	-	53.63	-20.69
15	.267	26.05	Qp	0	0	10.1	36.15	61.21	-25.06	-	-
16	.267	19.3	Ca	0	0	10.1	29.4	-	-	51.21	-21.81
17	.3345	21.46	Qp	0	0	10.1	31.56	59.34	-27.78	-	-
18	.3345	15.53	Ca	0	0	10.1	25.63	-	-	49.34	-23.71
19	.4695	21.29	Qp	0	0	10.1	31.39	56.52	-25.13	-	-
20	.4695	13.57	Ca	0	0	10.1	23.67	-	-	46.52	-22.85
21	.53475	21.88	Qp	0	0	10.1	31.98	56	-24.02	-	-
22	.53475	10.77	Ca	0	0	10.1	20.87	-	-	46	-25.13
23	15.3825	26.41	Qp	.1	.3	10.2	37.01	60	-22.99	-	-
24	15.405	29.84	Qp	.1	.3	10.2	40.44	60	-19.56	-	-
25	15.3375	23.44	Ca	.1	.3	10.2	34.04	-	-	50	-15.96

Qp - Quasi-Peak detector

Ca - CISPR average detection

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10.2. AC Power Line Norm**LINE 1 RESULTS****Range 1: Line-L1 .15 - 30MHz**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.16013	43.59	Qp	.1	0	10.1	53.79	65.46	-11.67	-	-
2	.16125	30.67	Ca	.1	0	10.1	40.87	-	-	55.4	-14.53
3	.24	37.58	Qp	0	0	10.1	47.68	62.1	-14.42	-	-
4	.24225	23.26	Ca	0	0	10.1	33.36	-	-	52.02	-18.66
5	.321	34.1	Qp	0	0	10.1	44.2	59.68	-15.48	-	-
6	.32325	18	Ca	0	0	10.1	28.1	-	-	49.62	-21.52
7	.402	31.39	Qp	0	0	10.1	41.49	57.81	-16.32	-	-
8	.40425	15.74	Ca	0	0	10.1	25.84	-	-	47.77	-21.93
9	.48075	28.82	Qp	0	0	10.1	38.92	56.33	-17.41	-	-
10	.483	14.84	Ca	0	0	10.1	24.94	-	-	46.29	-21.35
11	.7215	26.55	Qp	0	0	10.1	36.65	56	-19.35	-	-
12	.72375	13.54	Ca	0	0	10.1	23.64	-	-	46	-22.36

Qp - Quasi-Peak detector

Ca - CISPR average detection

UL Fremont, CA CE Room 12 Mar 2019 14:58:02

Conducted RFI Voltage

Project No: 12696945
 Mode: GFSK Worst Case
 EUT Config: EUT + Charger
 Test Volt/Freq: 120V / 60Hz
 Test By: 12501

CFR 47 Part 15 Class B OF
 CFR 47 Part 15 Class B Avg

dBuV Line-L2

Frequency (MHz)

Range (MHz)	RBW/1BW	Ref/Attn	Det/Avg Mode	Sweep	Pls	#Sups/Mode	Label
15-30	9K/15K	0/18	Qu/Co	1s/2.5kHz	1.3s	1/0/1	Line-L2

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Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.16125	39.26	Qp	.1	0	10.1	49.46	65.4	-15.94	-	-
14	.16125	26.03	Ca	.1	0	10.1	36.23	-	-	55.4	-19.17
15	.24	35.2	Qp	0	0	10.1	45.3	62.1	-16.8	-	-
16	.24	20.61	Ca	0	0	10.1	30.71	-	-	52.1	-21.39
17	.31875	32.19	Qp	0	0	10.1	42.29	59.74	-17.45	-	-
18	.321	17.33	Ca	0	0	10.1	27.43	-	-	49.68	-22.25
19	.3975	29.36	Qp	0	0	10.1	39.46	57.91	-18.45	-	-
20	.402	14.93	Ca	0	0	10.1	25.03	-	-	47.81	-22.78
21	.4785	26.63	Qp	0	0	10.1	36.73	56.37	-19.64	-	-
22	.4785	14.21	Ca	0	0	10.1	24.31	-	-	46.37	-22.06
23	.717	28.44	Qp	0	0	10.1	38.54	56	-17.46	-	-
24	.717	16.47	Ca	0	0	10.1	26.57	-	-	46	-19.43

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11. SETUP PHOTOS

Please refer to 12696945-EP1V1 for setup photos