
8.8. CONDUCTED SPURIOUS EMISSIONS

LIMITS

FCC §15.247 (d)

RSS-247 5.5

Limit = -20 dBc

TEST PROCEDURE

The transmitter output is connected to a spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 300 kHz.

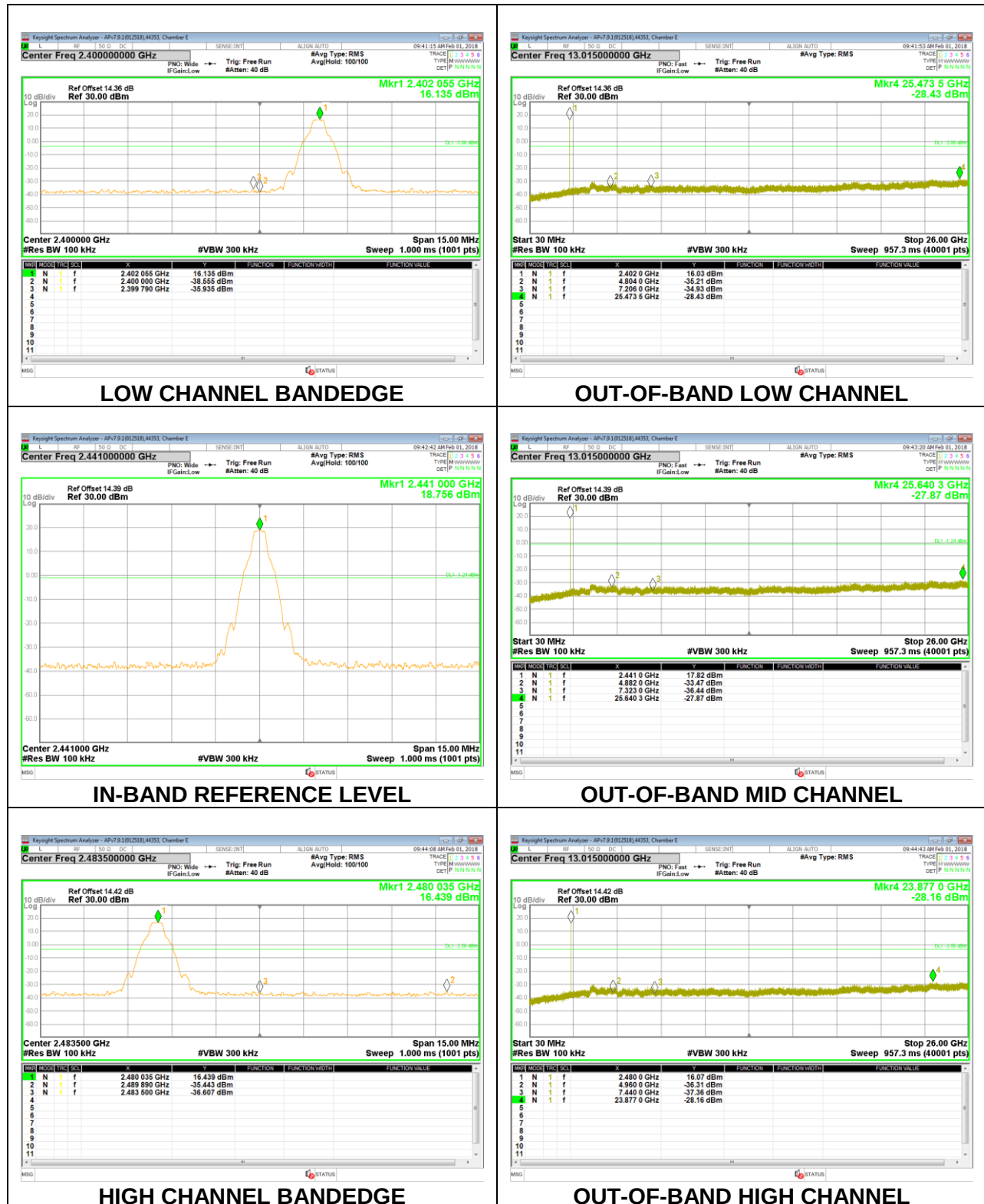
The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels.

The bandedges at 2.4 and 2.4835 GHz are investigated with the transmitter set to the normal hopping mode.

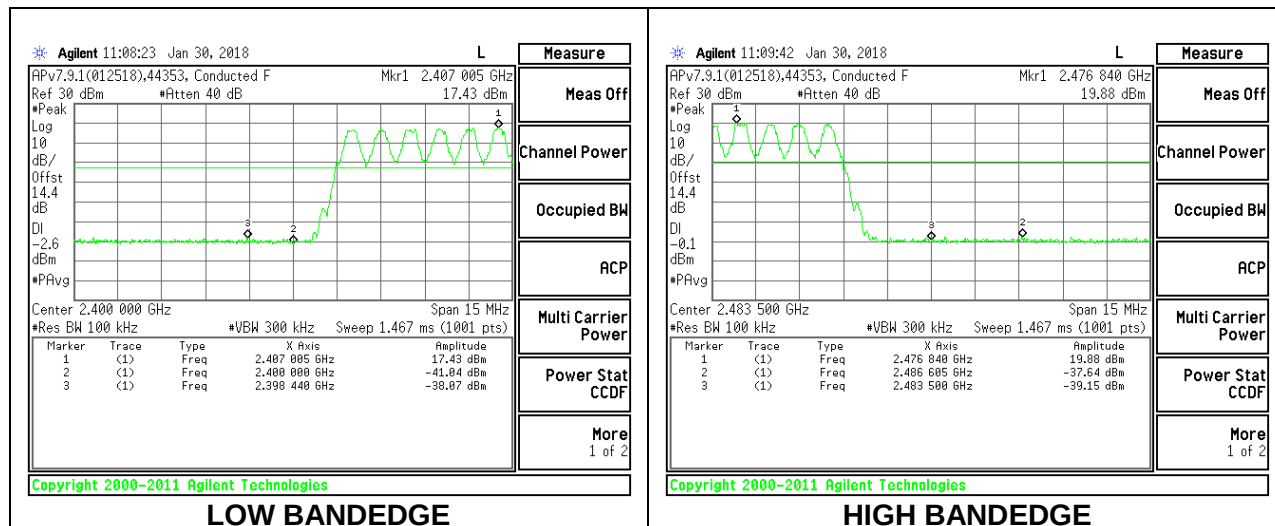
RESULTS

8.8.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

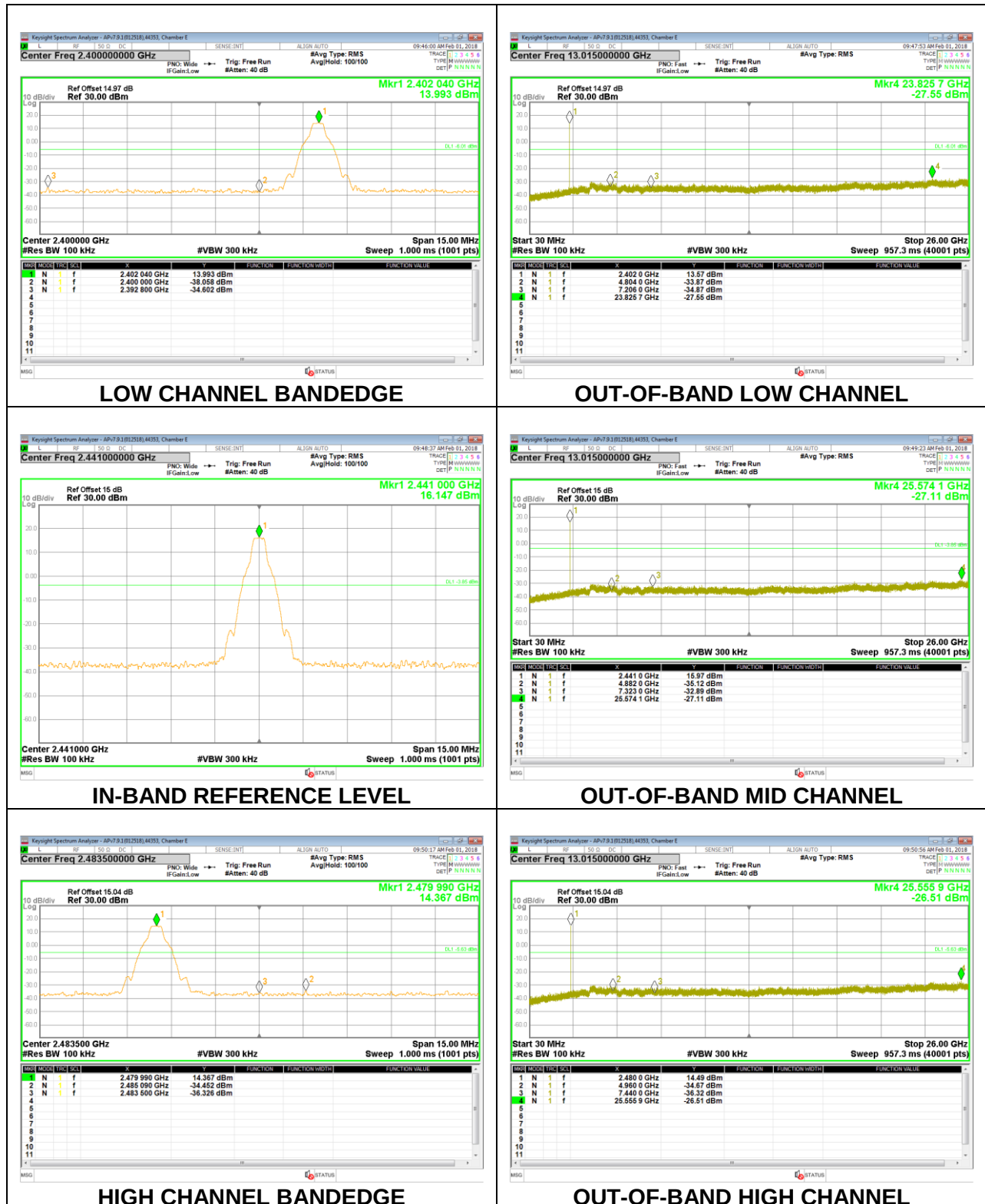
Antenna 4 SPURIOUS EMISSIONS, NON-HOPPING



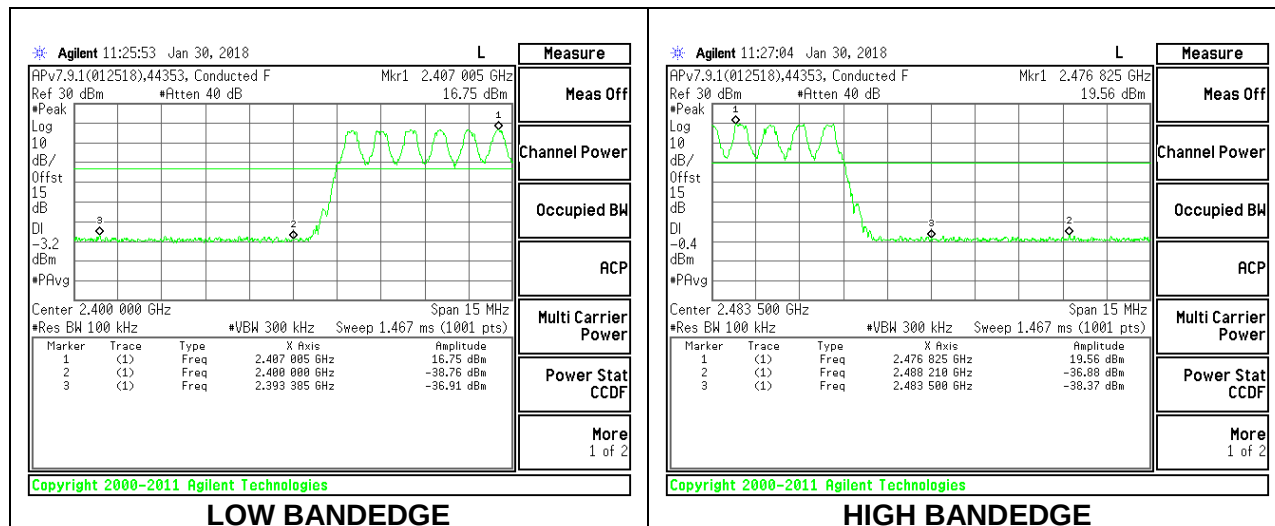
Antenna 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING

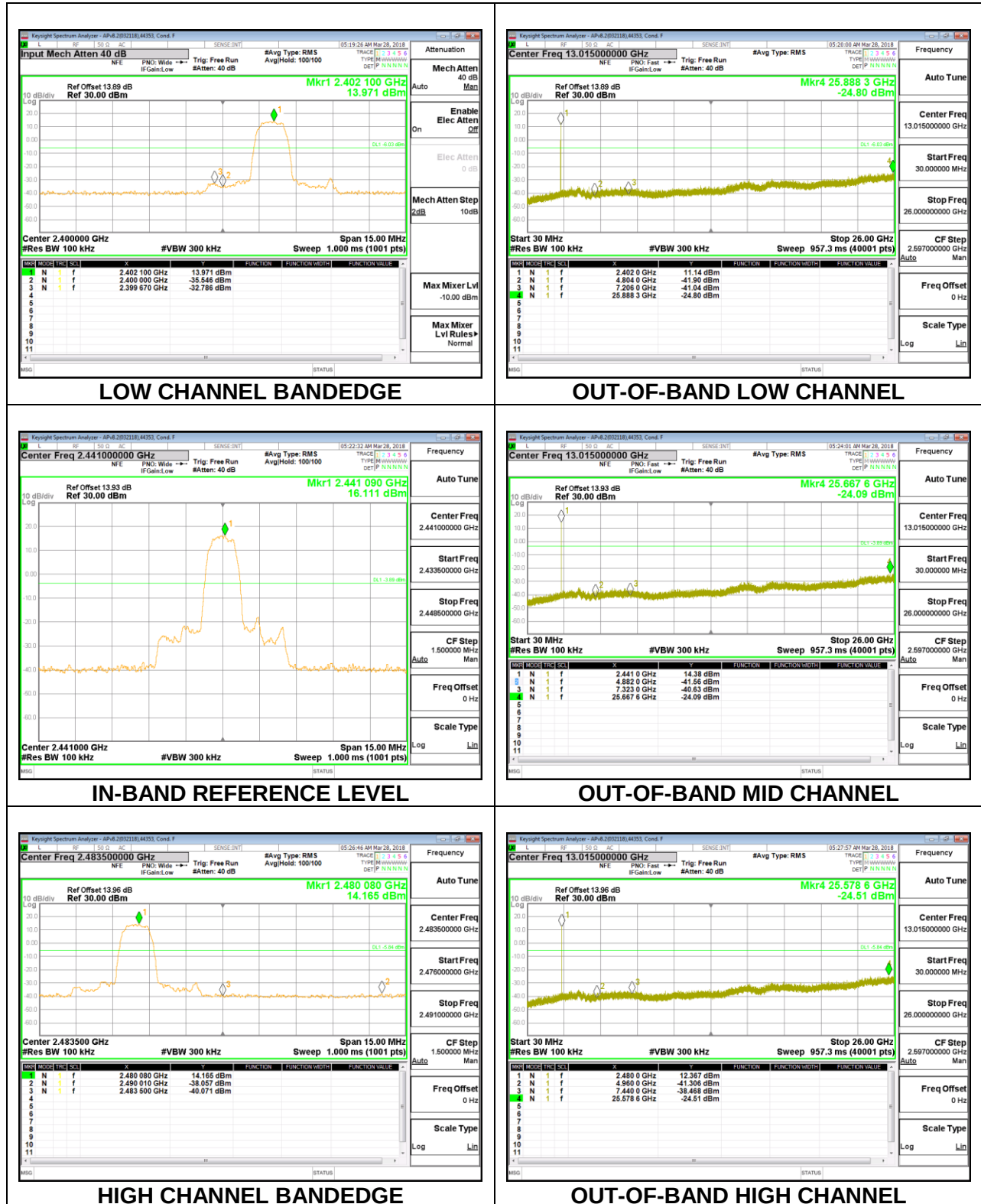


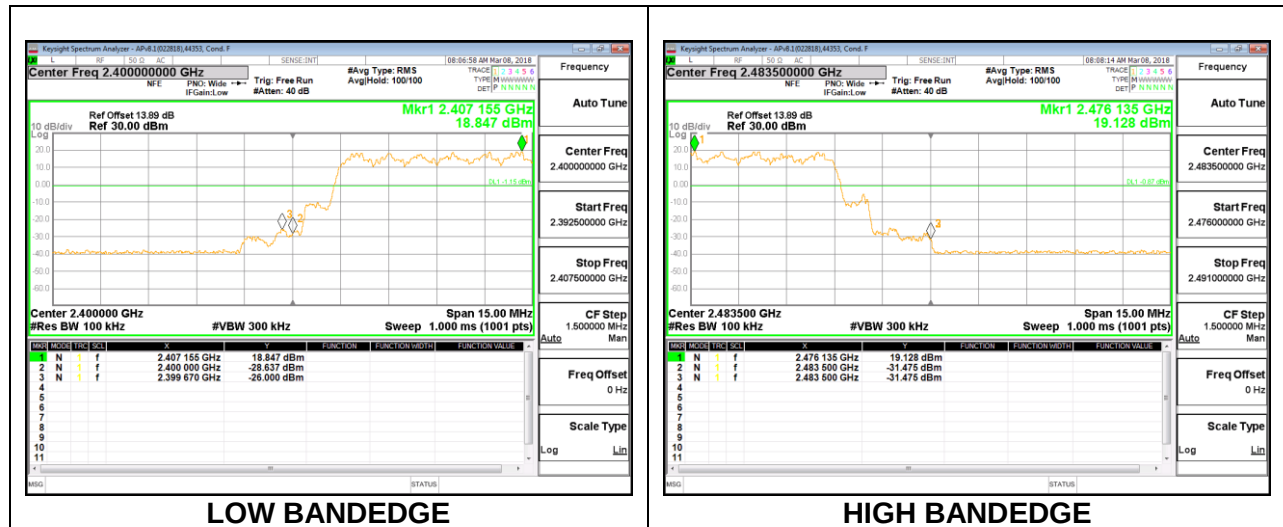
Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



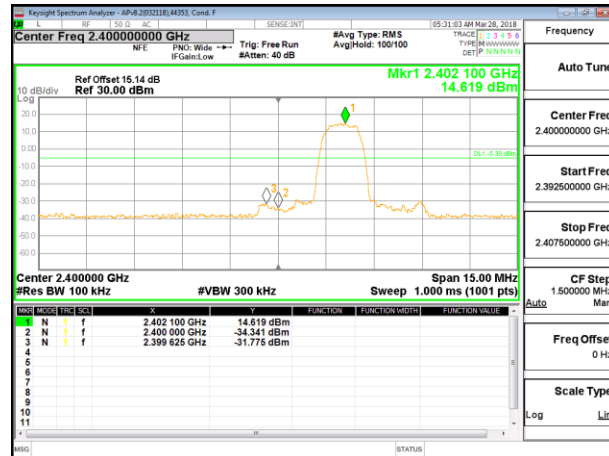
8.8.2. HIGH POWER ENCHANCED DATA RATE 8PSK MODULATION

Antenna 4 SPURIOUS EMISSIONS, NON-HOPPING

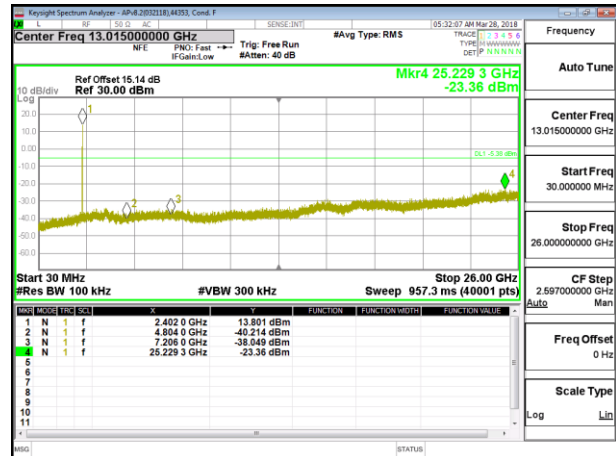




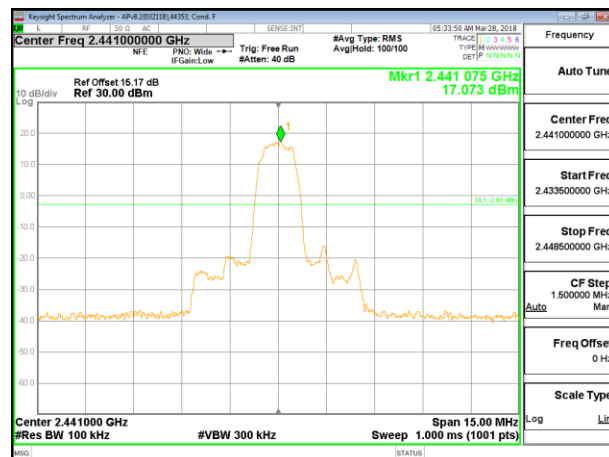
Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING



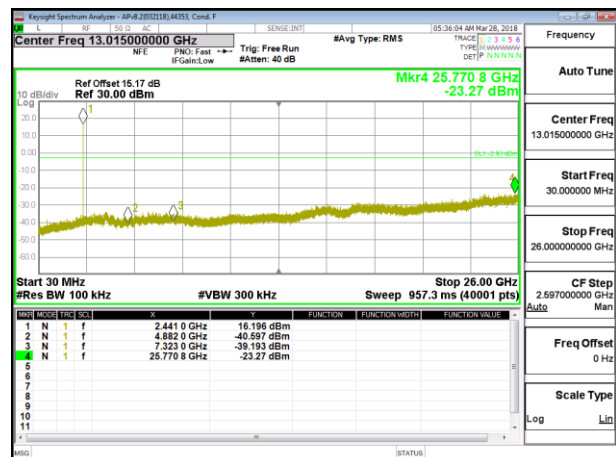
LOW CHANNEL BANDEDGE



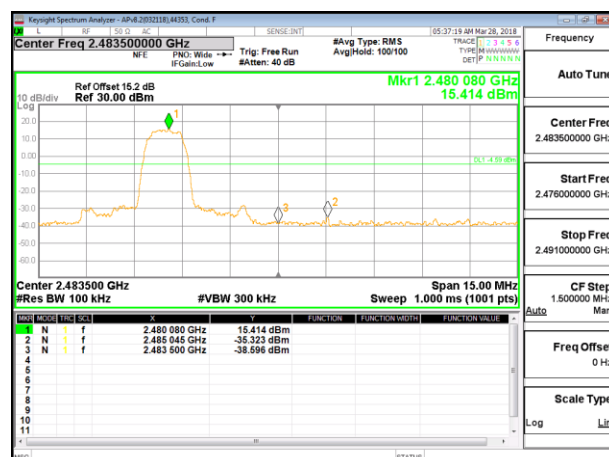
OUT-OF-BAND LOW CHANNEL



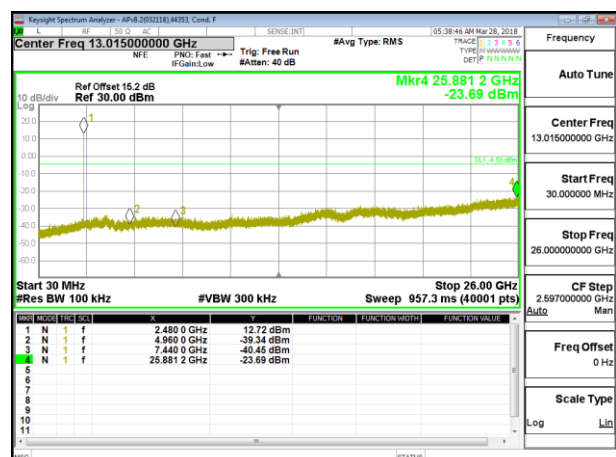
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

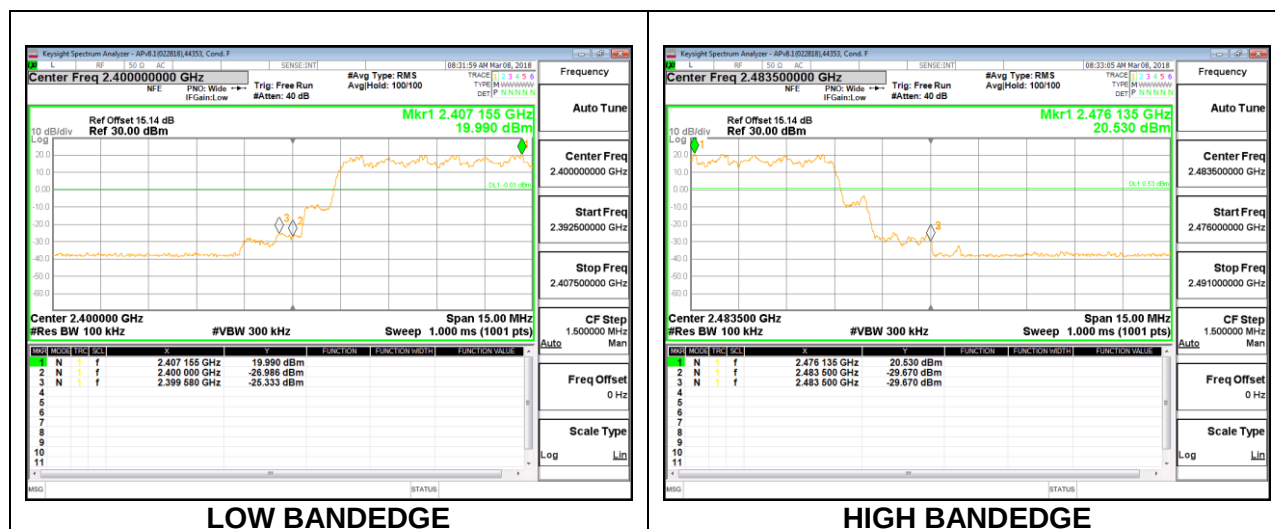


HIGH CHANNEL BANDEDGE



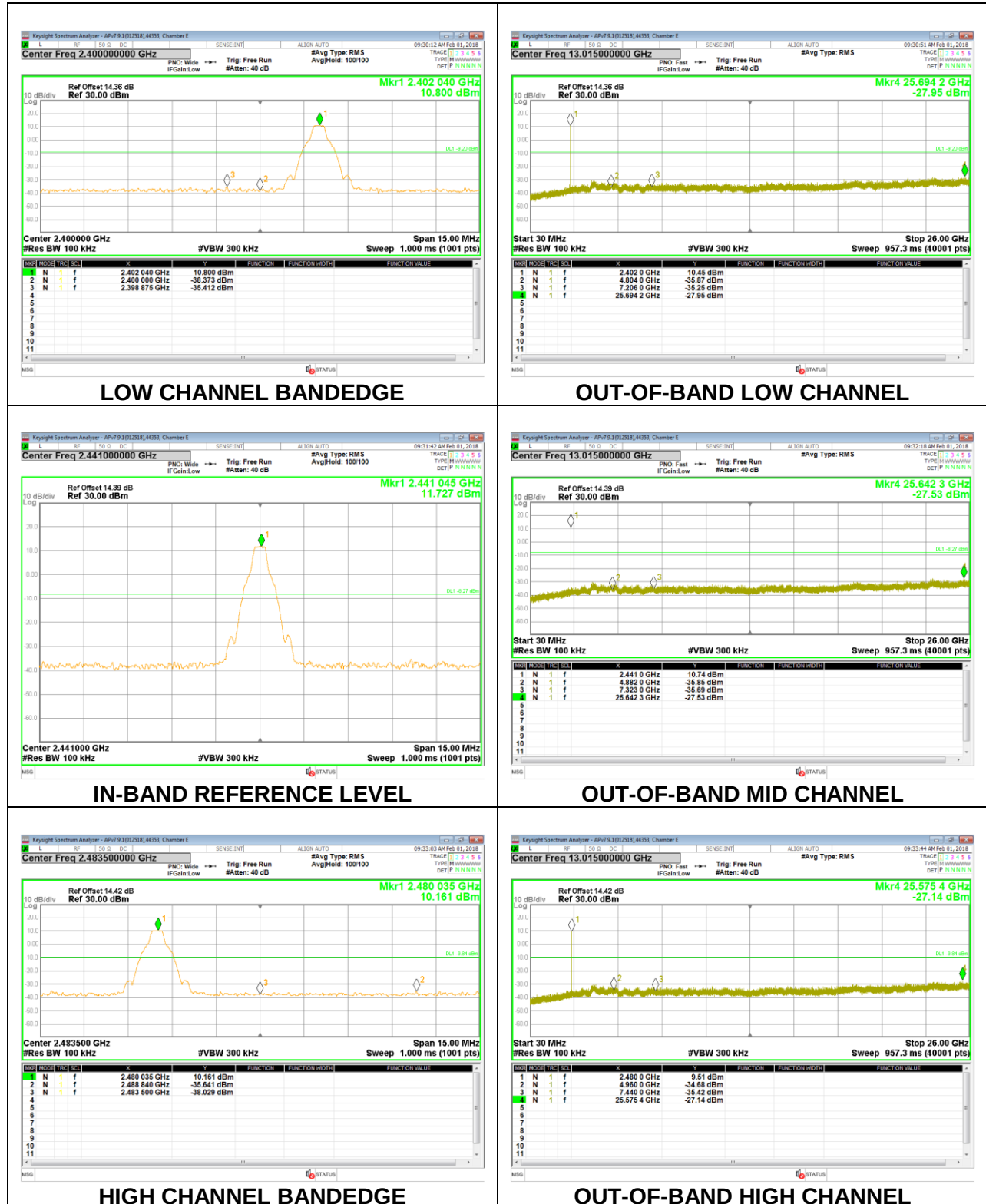
OUT-OF-BAND HIGH CHANNEL

Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

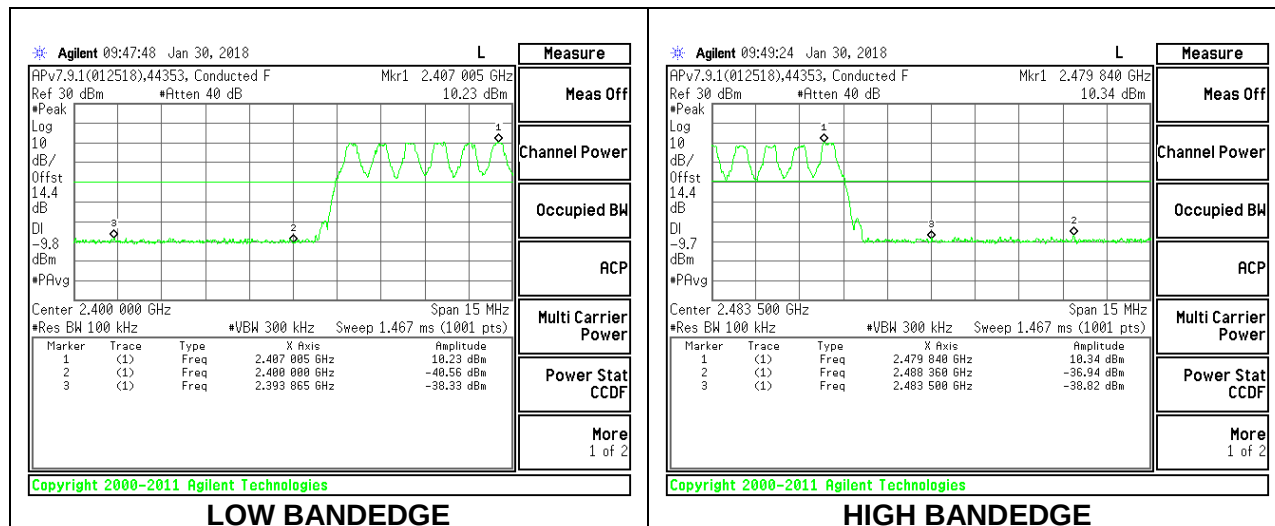


8.8.3. LOW POWER BASIC DATA RATE GFSK MODULATION

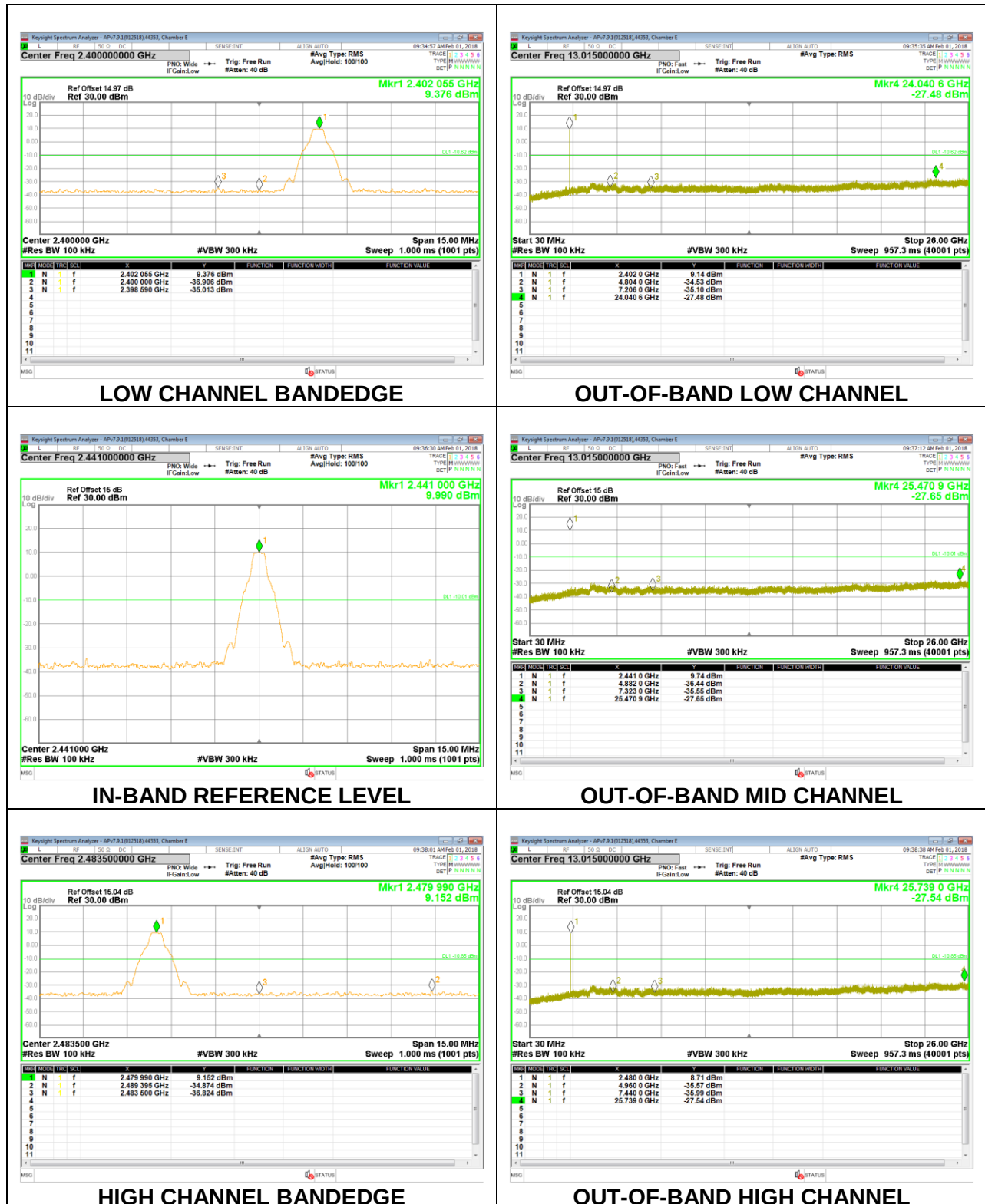
Antenna 4 SPURIOUS EMISSIONS, NON-HOPPING



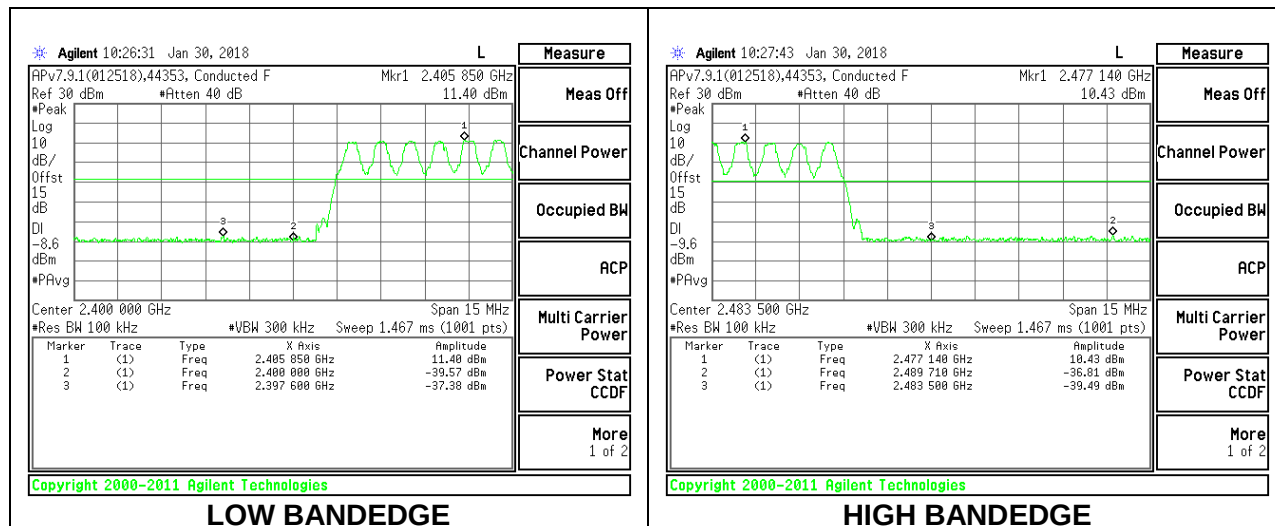
Antenna 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING

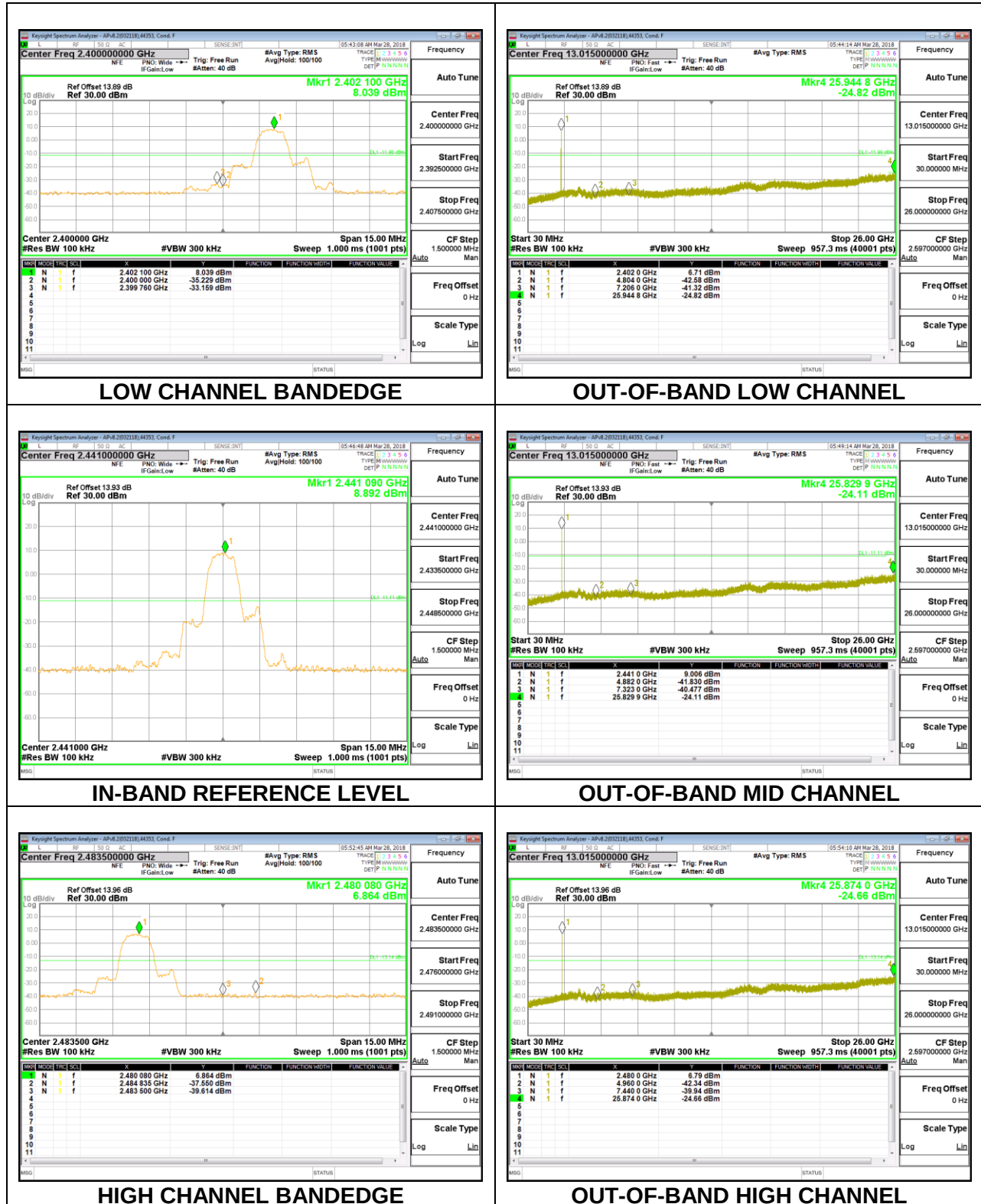


Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

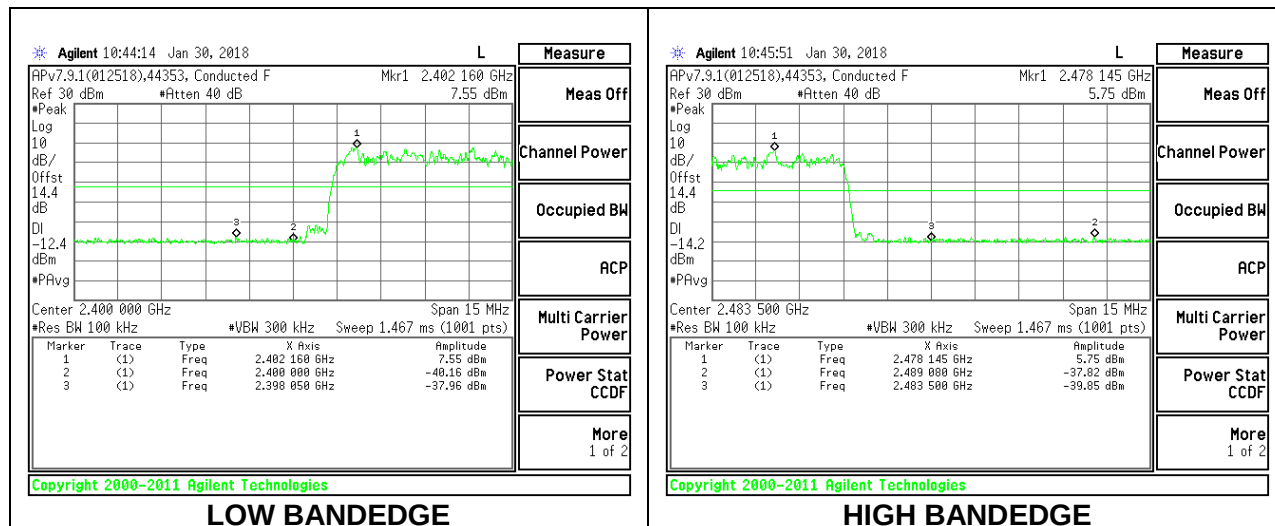


8.8.4. LOW POWER ENCHANCED DATA RATE 8PSK MODULATION

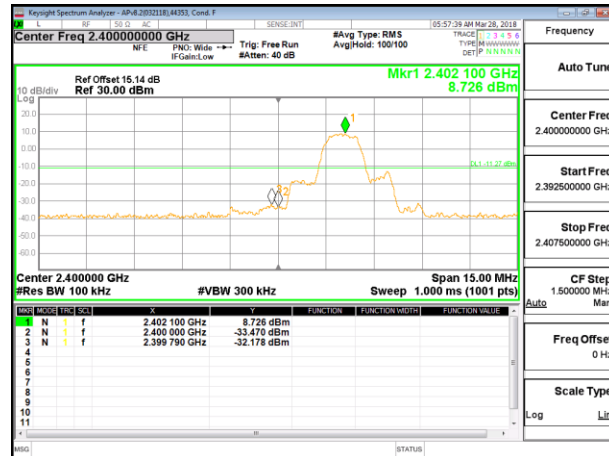
Antenna 4 SPURIOUS EMISSIONS, NON-HOPPING



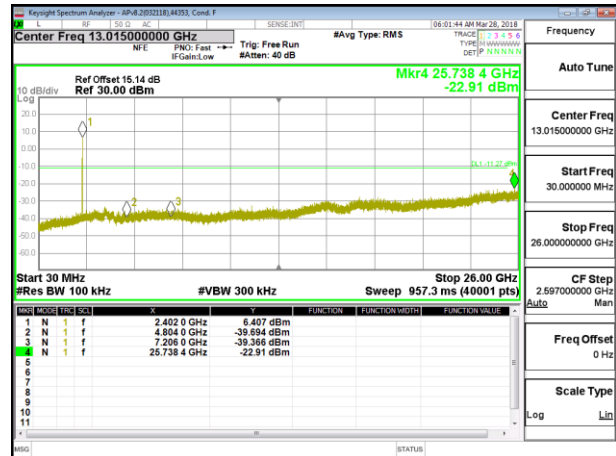
Antenna 4 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



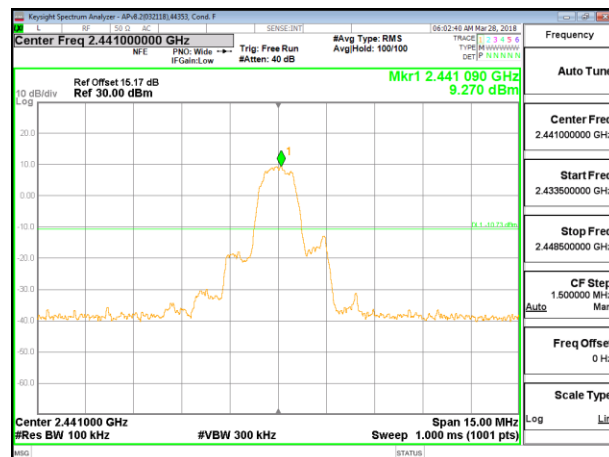
Antenna 3 SPURIOUS EMISSIONS, NON-HOPPING



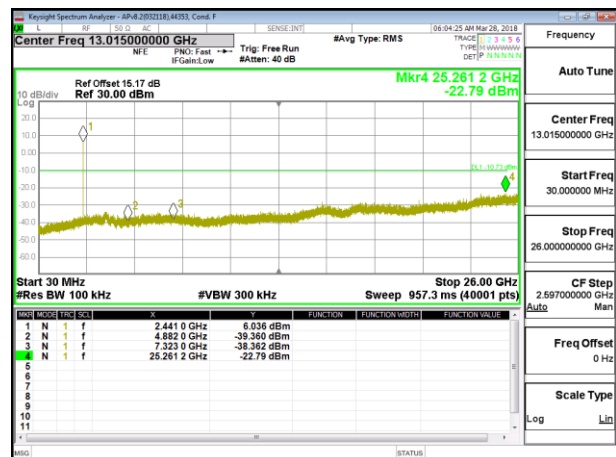
LOW CHANNEL BANDEDGE



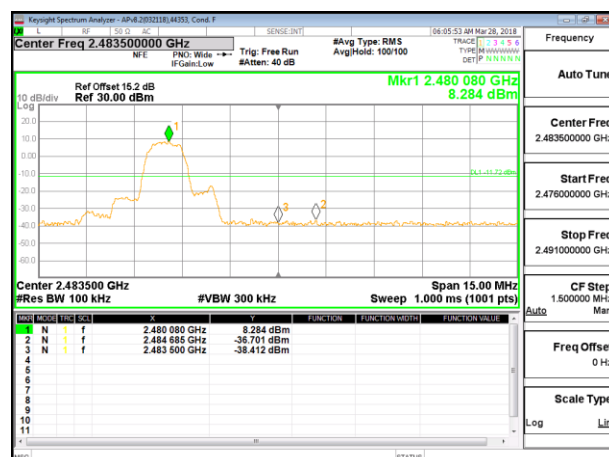
OUT-OF-BAND LOW CHANNEL



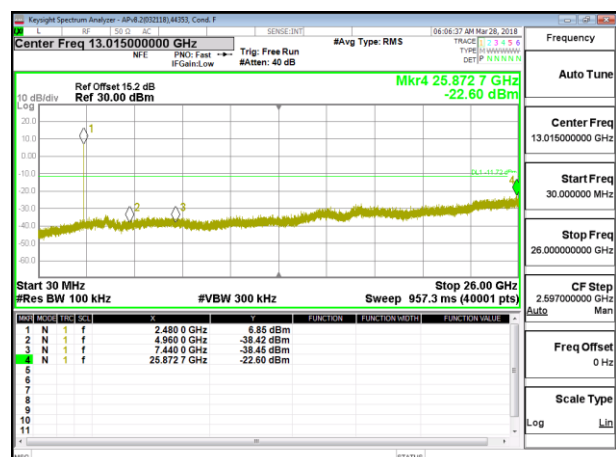
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

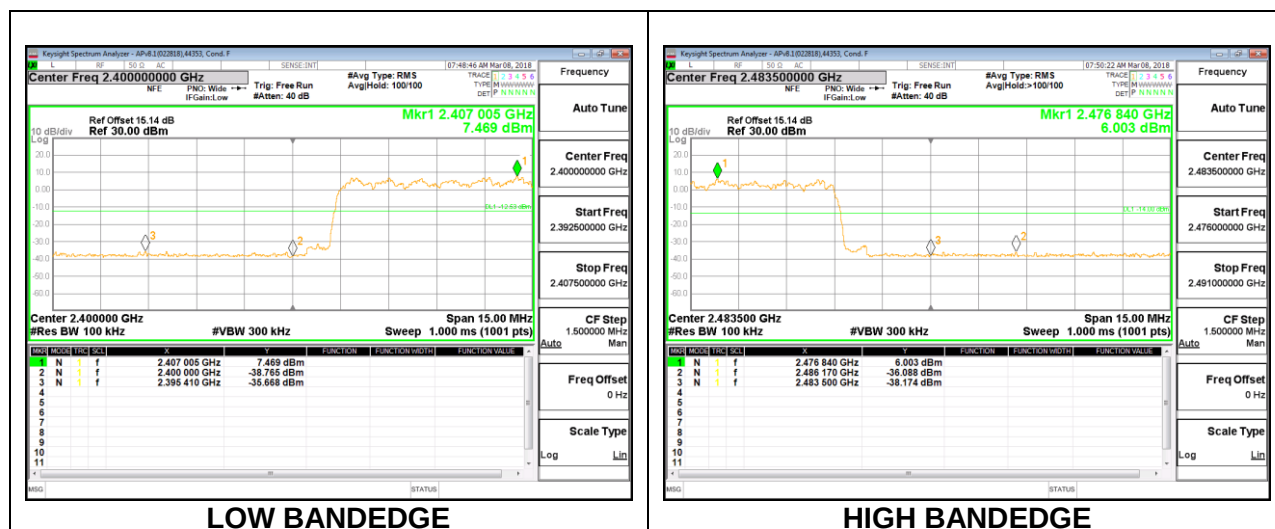


HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

Antenna 3 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

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
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

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

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.

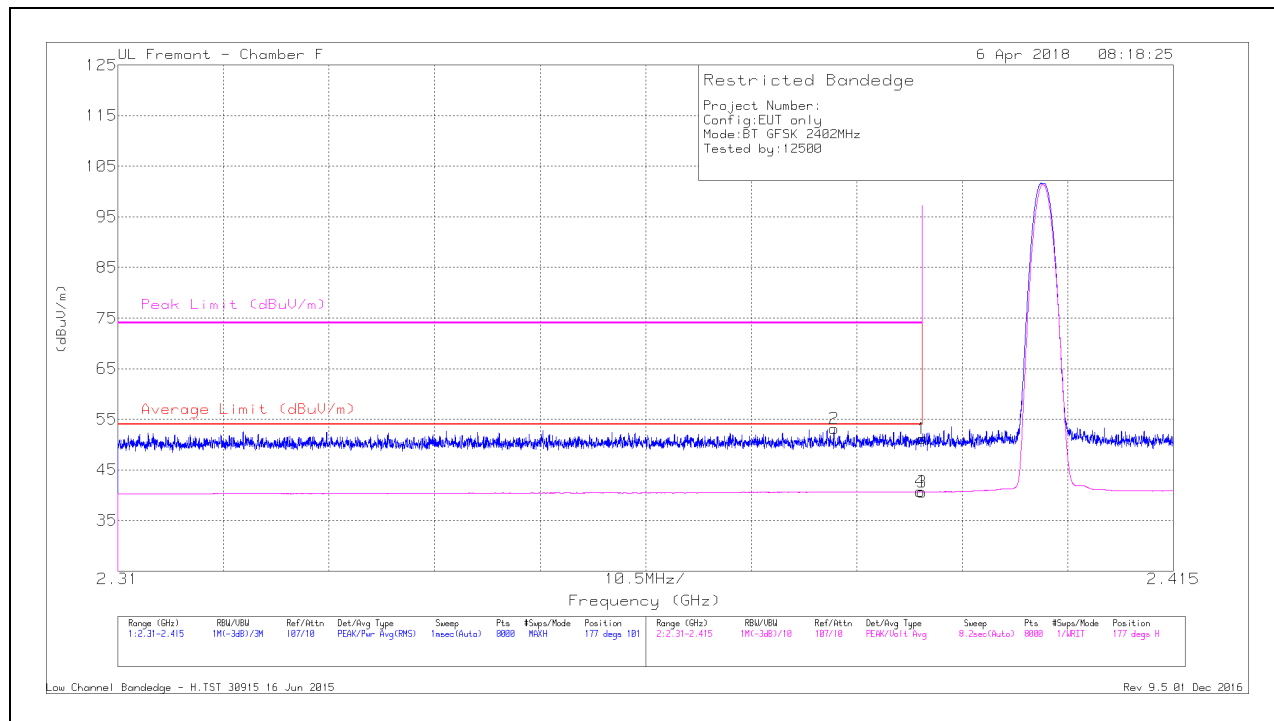
9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



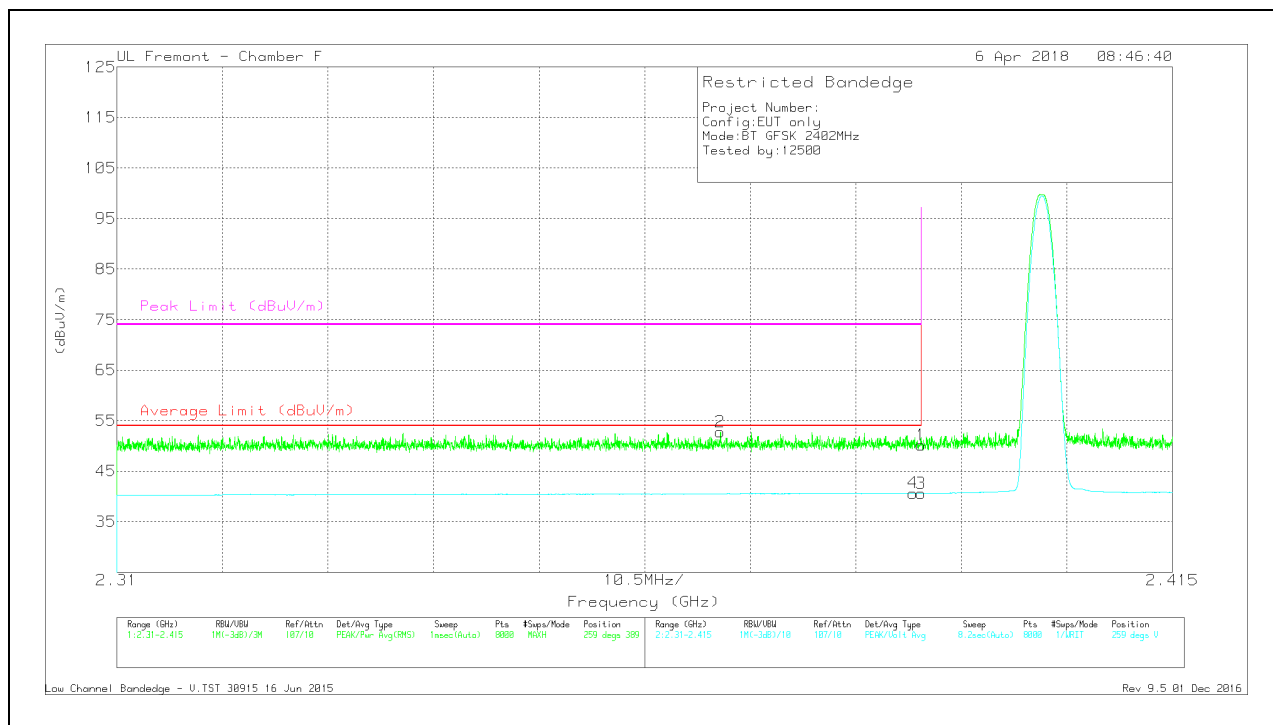
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.88	Pk	31.9	-20.6	51.18	-	-	74	-22.82	177	101	H
2	* 2.381	41.96	Pk	31.8	-20.6	53.16	-	-	74	-20.84	177	101	H
3	* 2.39	29.34	VA1T	31.9	-20.6	40.64	54	-13.36	-	-	177	101	H
4	* 2.39	29.38	VA1T	31.9	-20.6	40.68	54	-13.32	-	-	177	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 T119 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.91	Pk	31.9	-20.6	50.21	-	-	74	-23.79	259	389	V
2	* 2.37	41.59	Pk	31.8	-20.6	52.79	-	-	74	-21.21	259	389	V
3	* 2.39	29.36	VA1T	31.9	-20.6	40.66	54	-13.34	-	-	259	389	V
4	* 2.389	29.37	VA1T	31.9	-20.6	40.67	54	-13.33	-	-	259	389	V

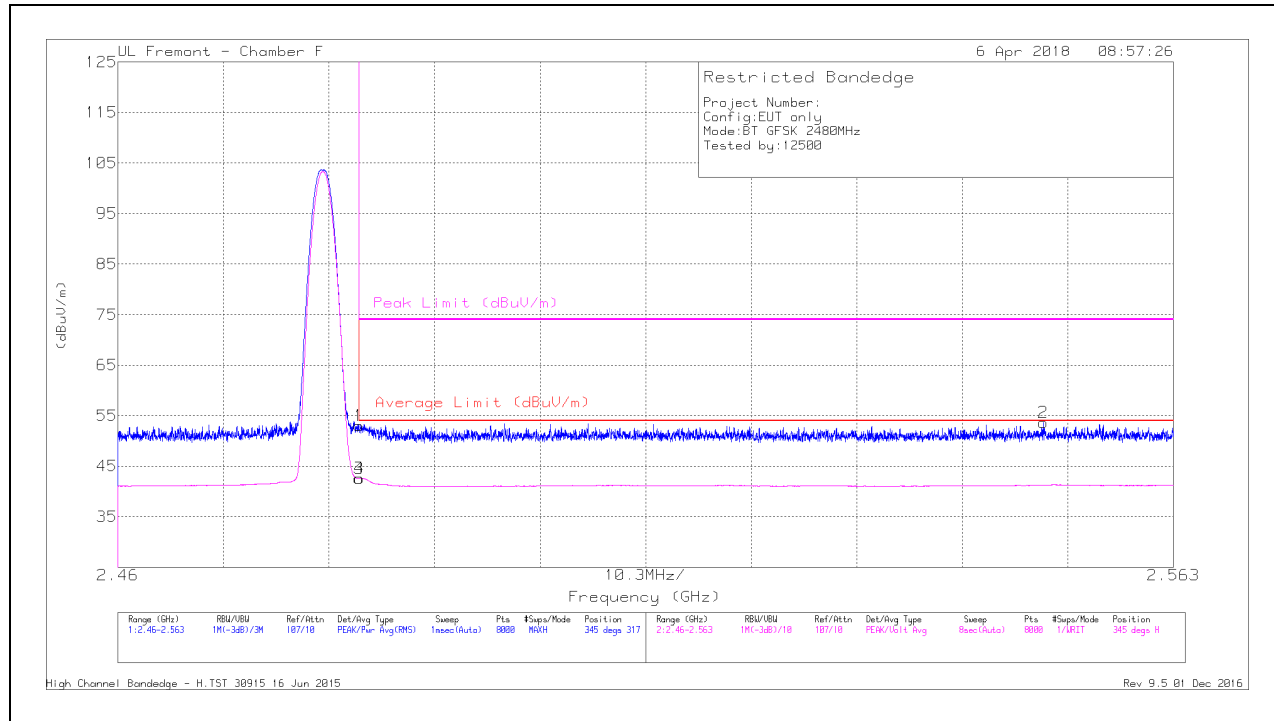
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



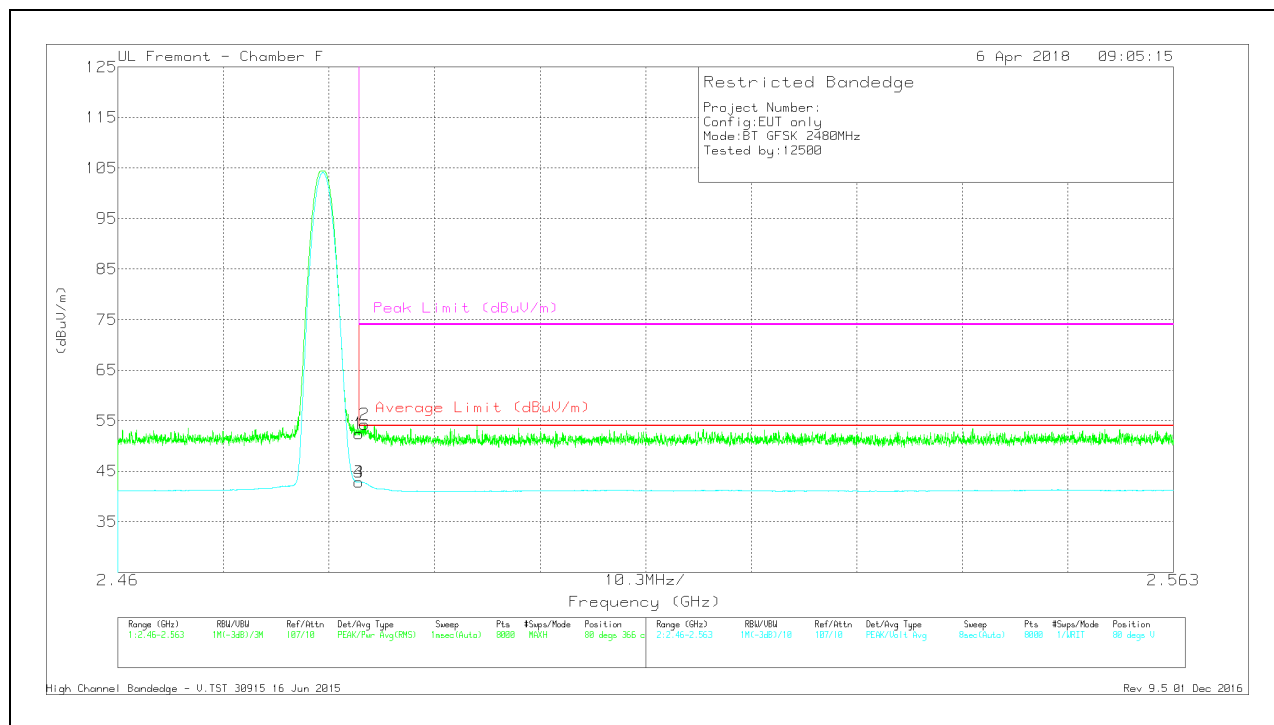
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.62	Pk	32.1	-20.7	53.02	-	-	74	-20.98	345	317	H
2	2.55	41.97	Pk	32.2	-20.5	53.67	-	-	74	-20.33	345	317	H
3	* 2.484	31.16	VA1T	32.1	-20.7	42.56	54	-11.44	-	-	345	317	H
4	* 2.484	31.19	VA1T	32.1	-20.7	42.59	54	-11.41	-	-	345	317	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/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.06	Pk	32.1	-20.7	52.46	-	-	74	-21.54	80	366	V
2	* 2.484	42.75	Pk	32.2	-20.7	54.25	-	-	74	-19.75	80	366	V
3	* 2.484	31.41	VA1T	32.1	-20.7	42.81	54	-11.19	-	-	80	366	V
4	* 2.484	31.43	VA1T	32.1	-20.7	42.83	54	-11.17	-	-	80	366	V

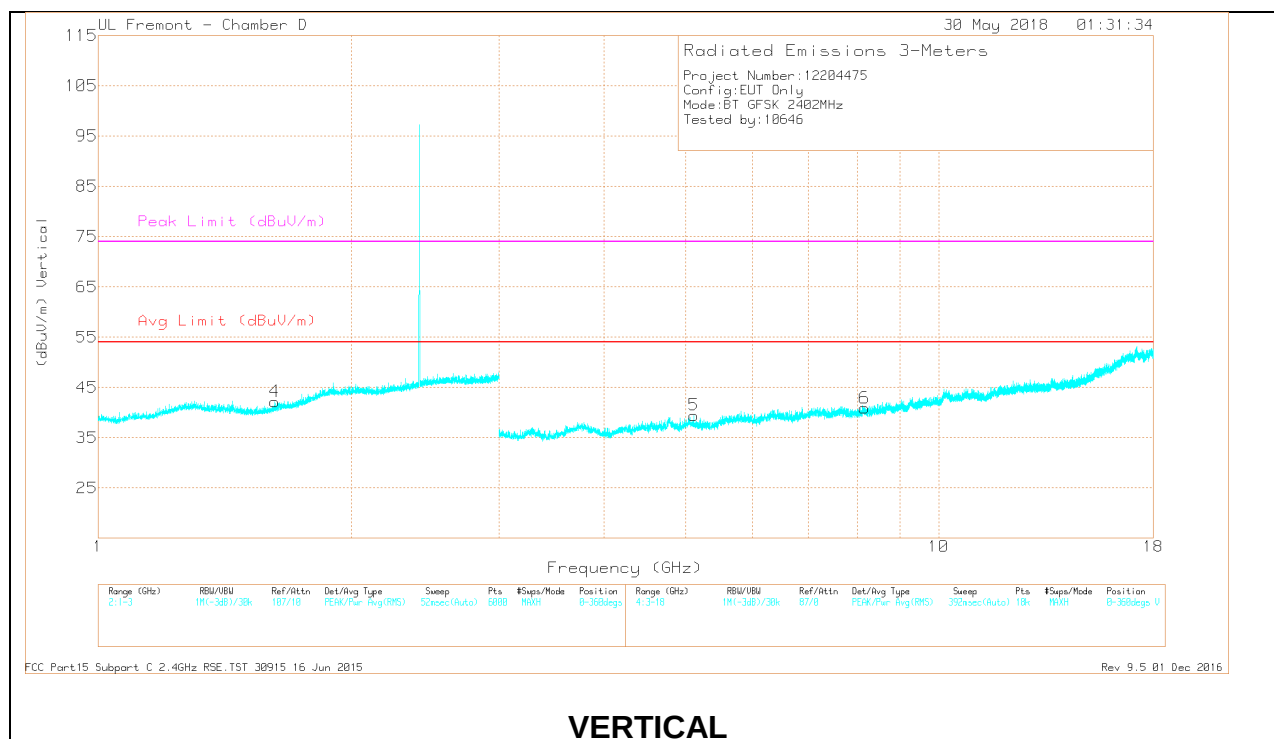
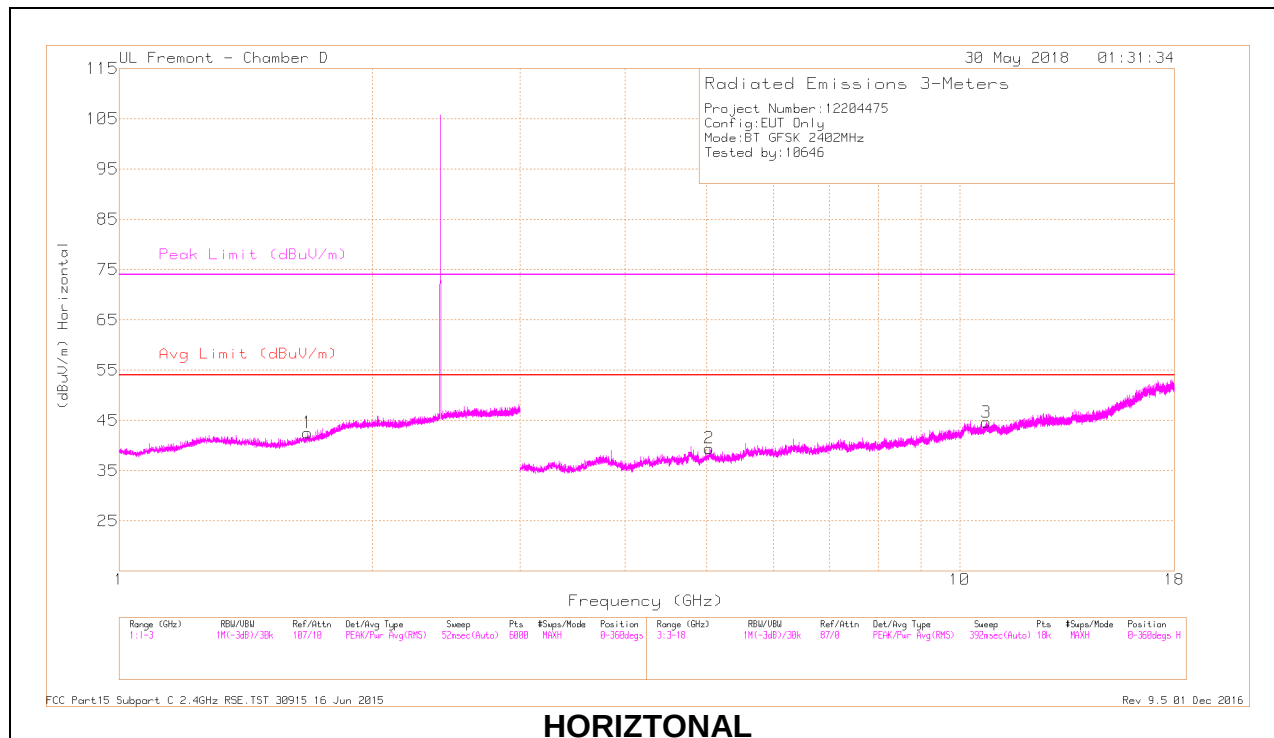
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

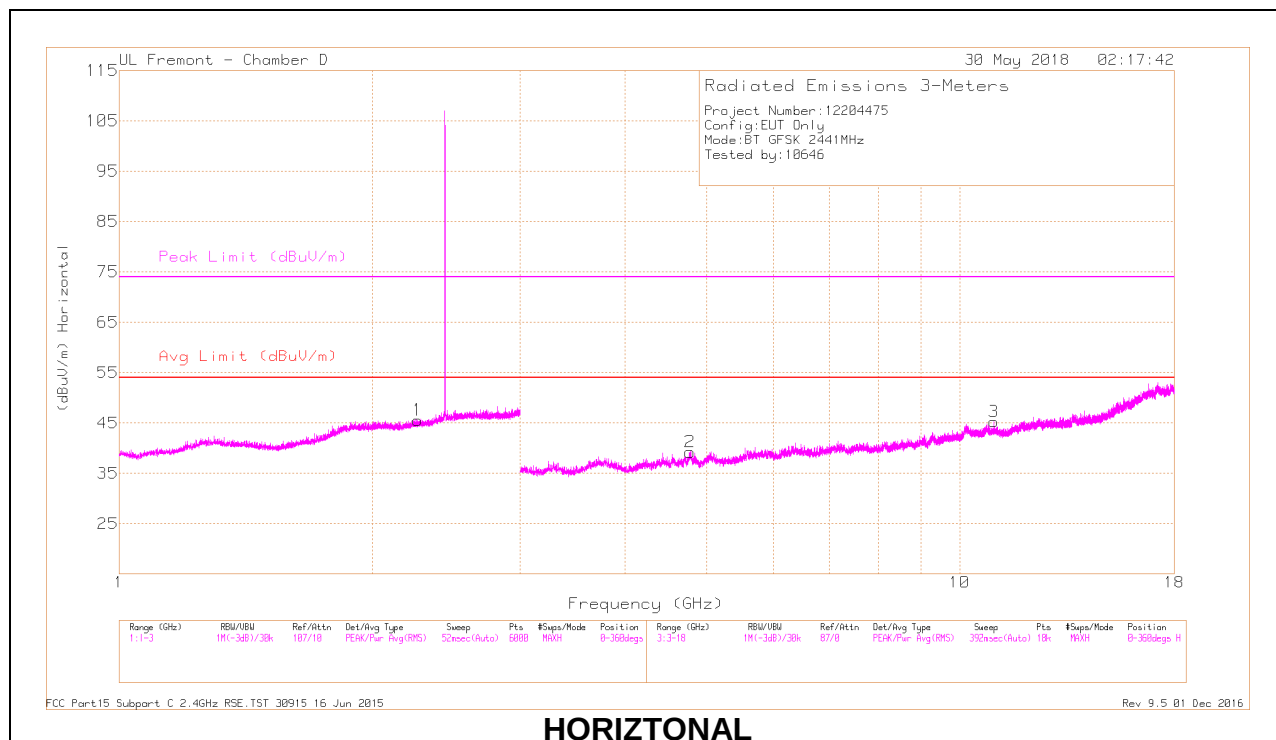
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.676	41.45	PK2	28.9	-21.4	48.95	-	-	74	-25.05	67	230	H
	* 1.677	29.61	MAv1	28.9	-21.4	37.11	54	-16.89	-	-	67	230	H
4	* 1.624	41.68	PK2	28.6	-21.5	48.78	-	-	74	-25.22	161	101	V
	* 1.622	29.64	MAv1	28.6	-21.5	36.74	54	-17.26	-	-	161	101	V
2	* 5.032	37.48	PK2	34.4	-26.1	45.78	-	-	74	-28.22	204	228	H
	* 5.034	25.3	MAv1	34.4	-26.2	33.5	54	-20.5	-	-	204	228	H
3	* 10.761	32.98	PK2	37.7	-19.5	51.18	-	-	74	-22.82	228	174	H
	* 10.758	21.58	MAv1	37.7	-19.5	39.78	54	-14.22	-	-	228	174	H
5	* 5.115	37.65	PK2	34.6	-27	45.25	-	-	74	-28.75	192	194	V
	* 5.117	25.58	MAv1	34.6	-27.1	33.08	54	-20.92	-	-	192	194	V
6	* 8.16	35.48	PK2	35.8	-22.7	48.58	-	-	74	-25.42	104	182	V
	* 8.158	23.18	MAv1	35.8	-22.7	36.28	54	-17.72	-	-	104	182	V

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

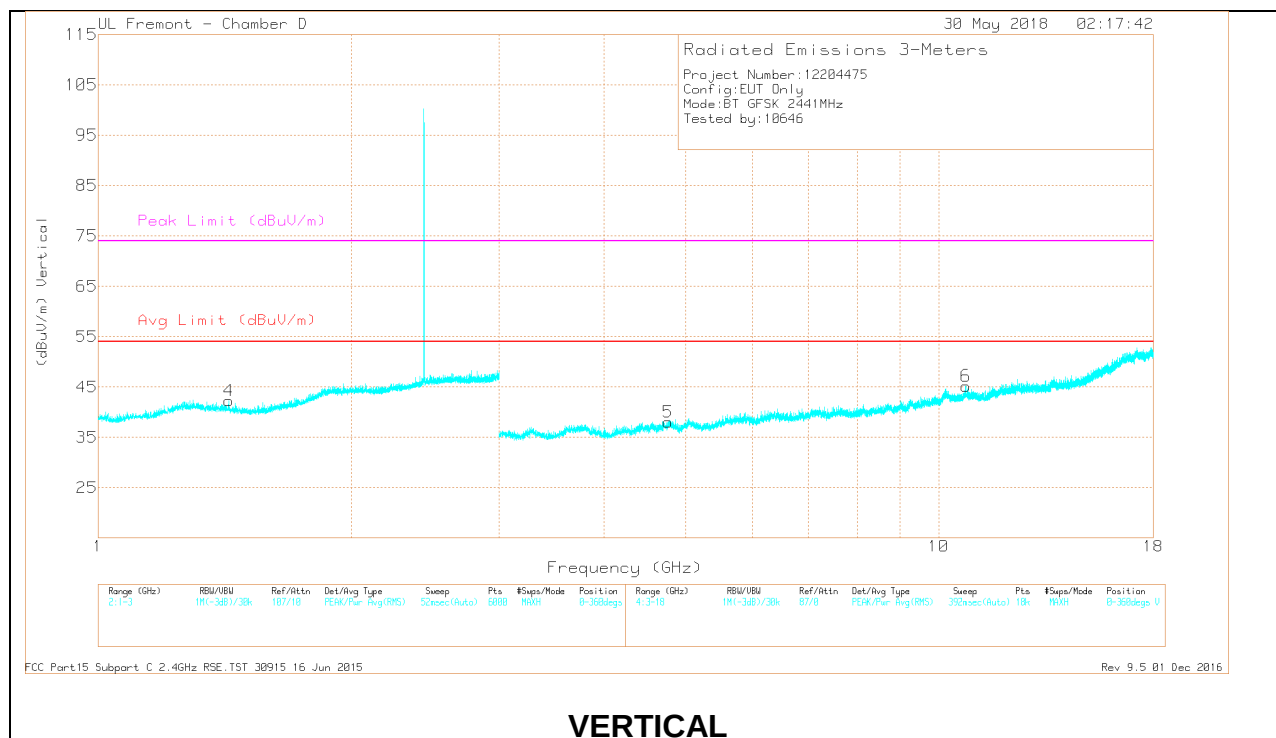
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

MID CHANNEL RESULTS



HORIZTONTAL



VERTICAL

RADIATED EMISSIONS

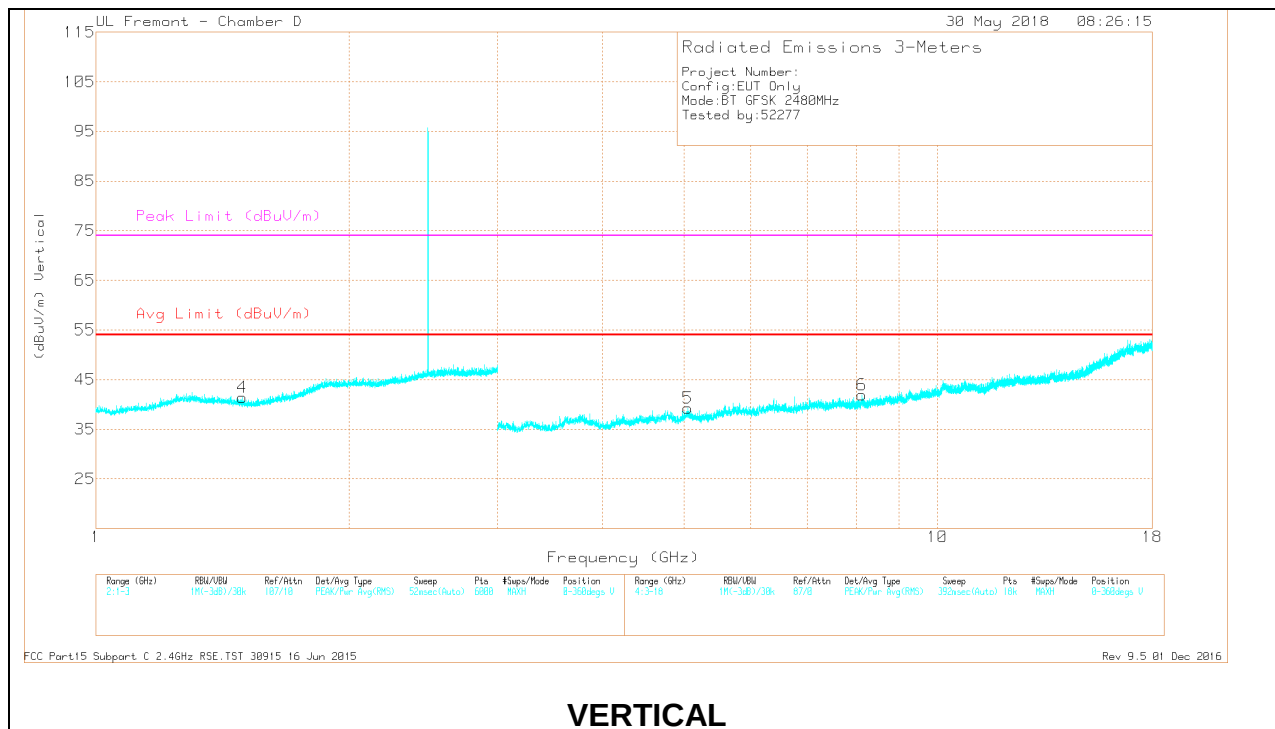
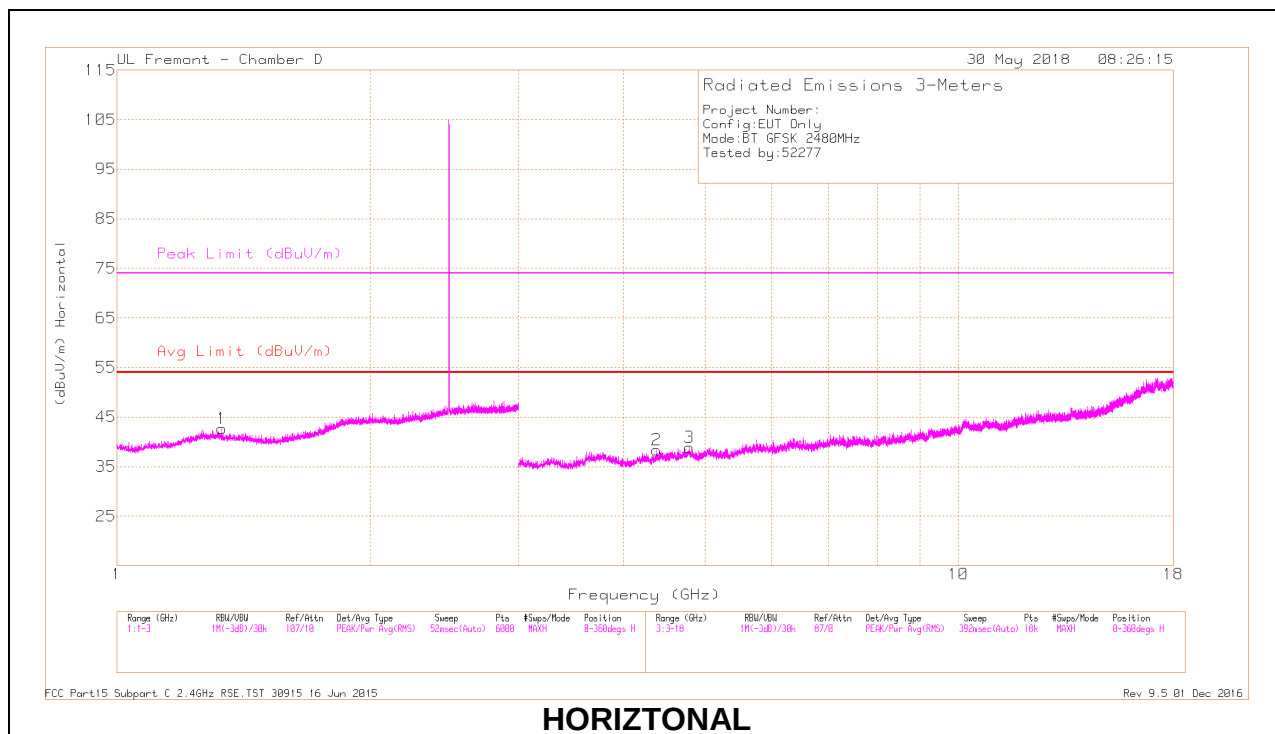
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.264	41.6	PK2	31.5	-20.7	52.4	-	-	74	-21.6	216	399	H
	* 2.266	29.65	MAv1	31.5	-20.7	40.45	54	-13.55	-	-	216	399	H
2	* 4.779	37.36	PK2	34.5	-26.2	45.66	-	-	74	-28.34	100	352	H
	* 4.778	26.01	MAv1	34.5	-26.2	34.31	54	-19.69	-	-	100	352	H
3	* 10.979	33.51	PK2	37.8	-20.1	51.21	-	-	74	-22.79	248	122	H
	* 10.979	21.75	MAv1	37.8	-20.1	39.45	54	-14.55	-	-	248	122	H
5	* 4.764	37.86	PK2	34.6	-26.3	46.16	-	-	74	-27.84	126	300	V
	* 4.766	25.98	MAv1	34.6	-26.3	34.28	54	-19.72	-	-	126	300	V
6	* 10.773	33.27	PK2	37.7	-19.5	51.47	-	-	74	-22.53	313	159	V
	* 10.773	21.44	MAv1	37.7	-19.5	39.64	54	-14.36	-	-	313	159	V
4	1.429	41.93	PK2	28.6	-21.7	48.83	-	-	-	-	350	104	V
	1.43	29.72	MAv1	28.6	-21.7	36.62	-	-	-	-	350	104	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 T136 (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	* 1.32	41.73	PKFH	29.1	-21.9	48.93	-	-	74	-25.07	89	120	H
	* 1.318	28.59	VA1T	29.2	-21.9	35.89	54	-18.11	-	-	89	120	H
4	* 1.486	41.12	PKFH	28.1	-21.6	47.62	-	-	74	-26.38	9	337	V
	* 1.478	28.38	VA1T	28.2	-21.7	34.88	54	-19.12	-	-	9	337	V
2	* 4.367	37.21	PKFH	34.1	-28	43.31	-	-	74	-30.69	206	146	H
	* 4.383	24.85	VA1T	34.1	-27.9	31.05	54	-22.95	-	-	206	146	H
3	* 4.779	36.57	PKFH	34.5	-26.2	44.87	-	-	74	-29.13	234	337	H
	* 4.776	24.6	VA1T	34.5	-26.2	32.9	54	-21.1	-	-	234	337	H
5	* 5.051	36.84	PKFH	34.5	-26.2	45.14	-	-	74	-28.86	73	201	V
	* 5.042	24.27	VA1T	34.4	-26.2	32.47	54	-21.53	-	-	73	201	V
6	* 8.143	35.02	PKFH	35.8	-22.5	48.32	-	-	74	-25.68	284	129	V
	* 8.14	22.07	VA1T	35.8	-22.5	35.37	54	-18.63	-	-	284	129	V

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

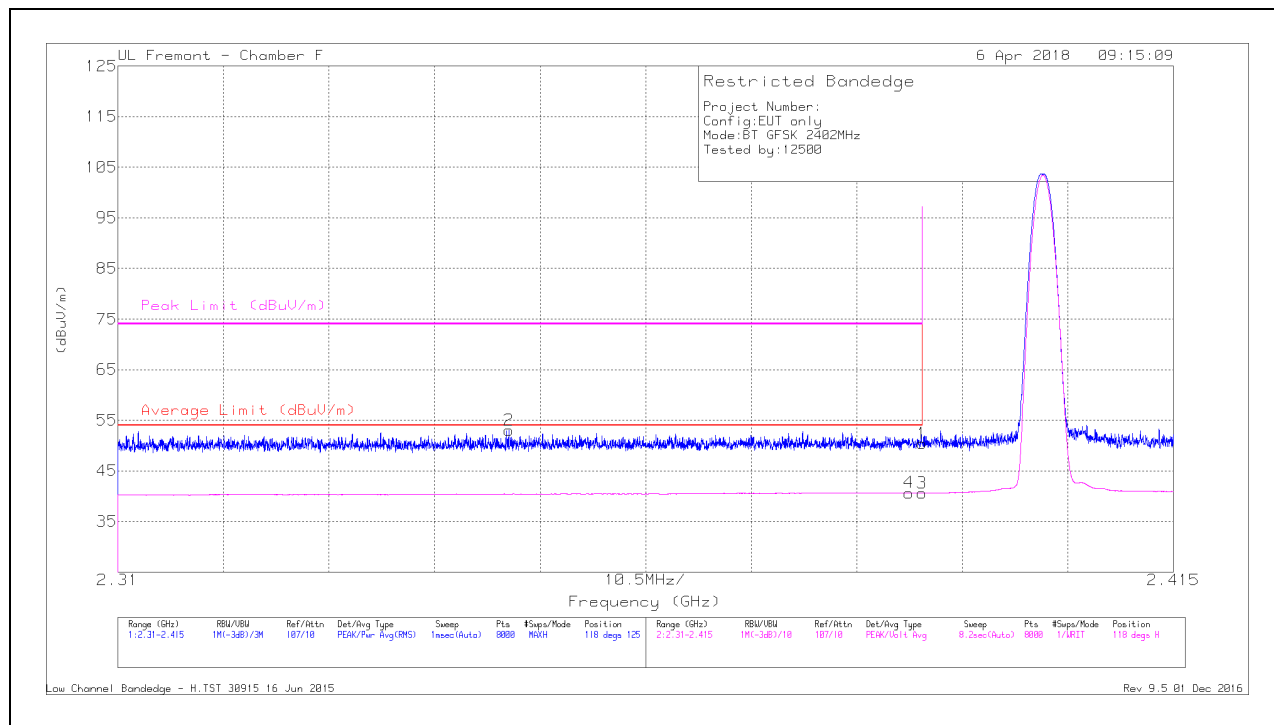
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



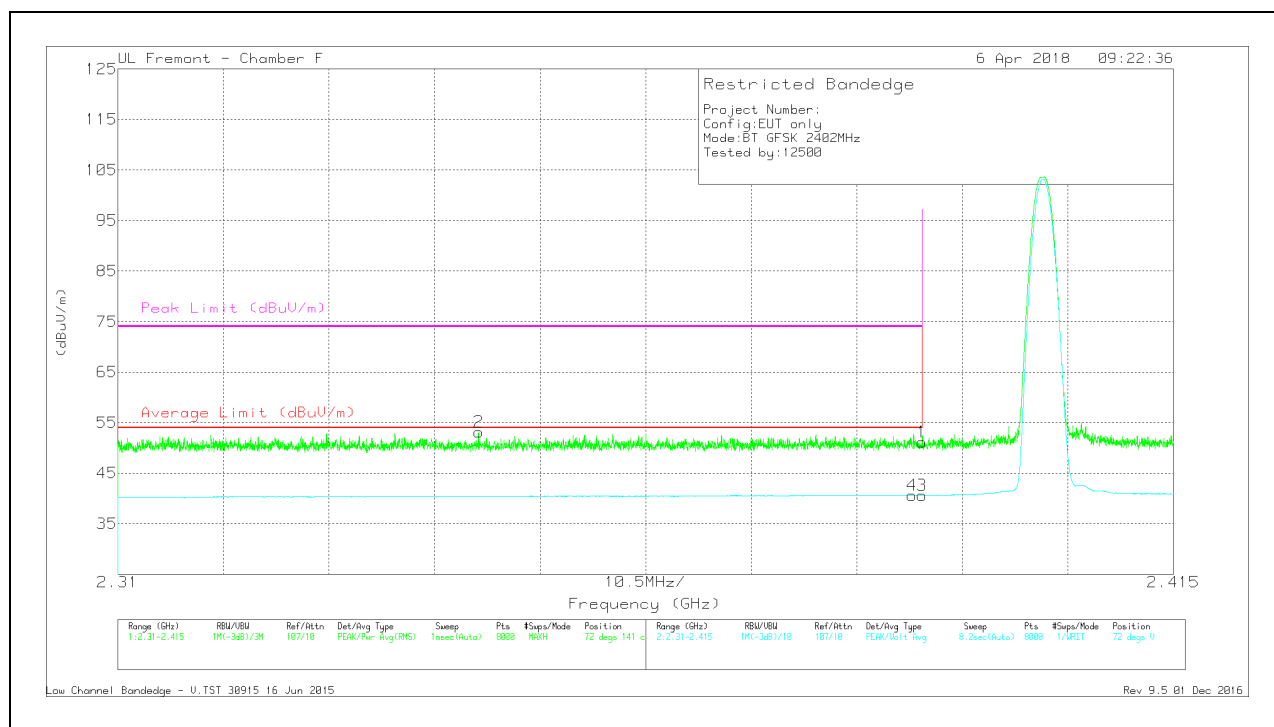
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.14	Pk	31.9	-20.6	50.44	-	-	74	-23.56	118	125	H
2	* 2.349	42	Pk	31.7	-20.7	53	-	-	74	-21	118	125	H
3	* 2.39	29.33	VA1T	31.9	-20.6	40.63	54	-13.37	-	-	118	125	H
4	* 2.389	29.37	VA1T	31.9	-20.6	40.67	54	-13.33	-	-	118	125	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

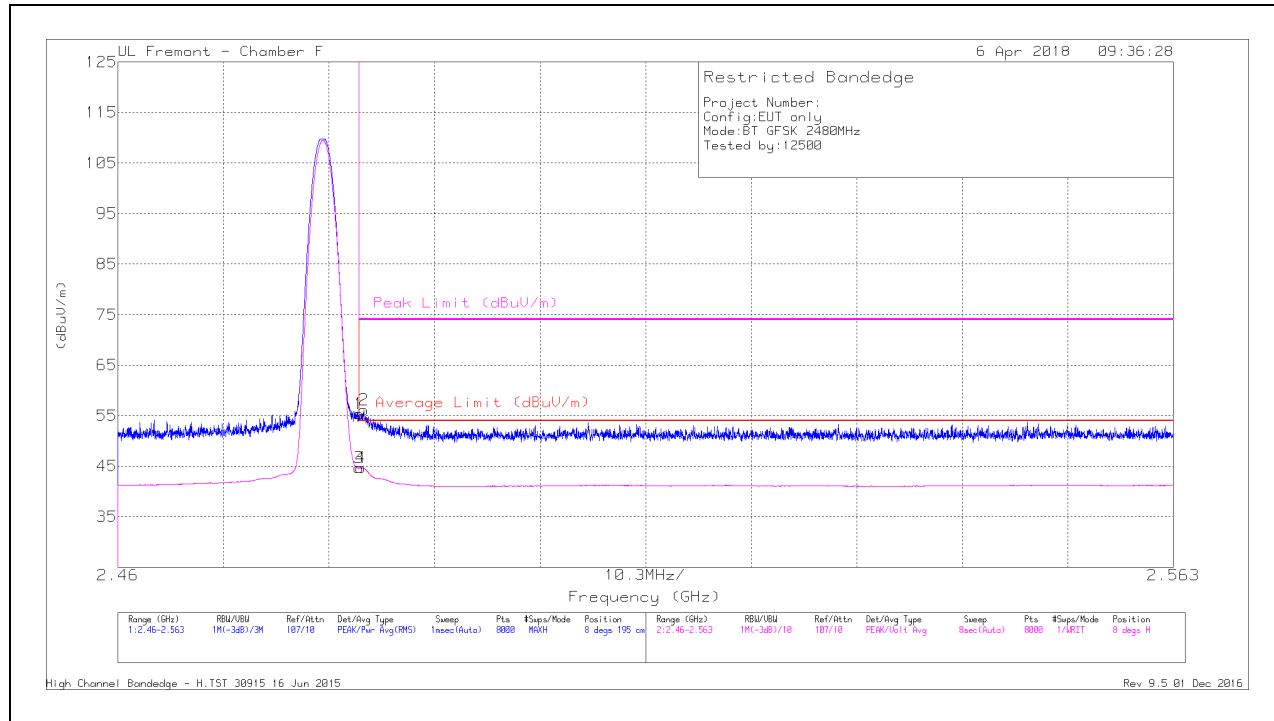


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.85	Pk	31.9	-20.6	51.15	-	-	74	-22.85	72	141	V
2	* 2.346	42.18	Pk	31.7	-20.7	53.18	-	-	74	-20.82	72	141	V
3	* 2.39	29.3	VA1T	31.9	-20.6	40.6	54	-13.4	-	-	72	141	V
4	* 2.389	29.36	VA1T	31.9	-20.6	40.66	54	-13.34	-	-	72	141	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**

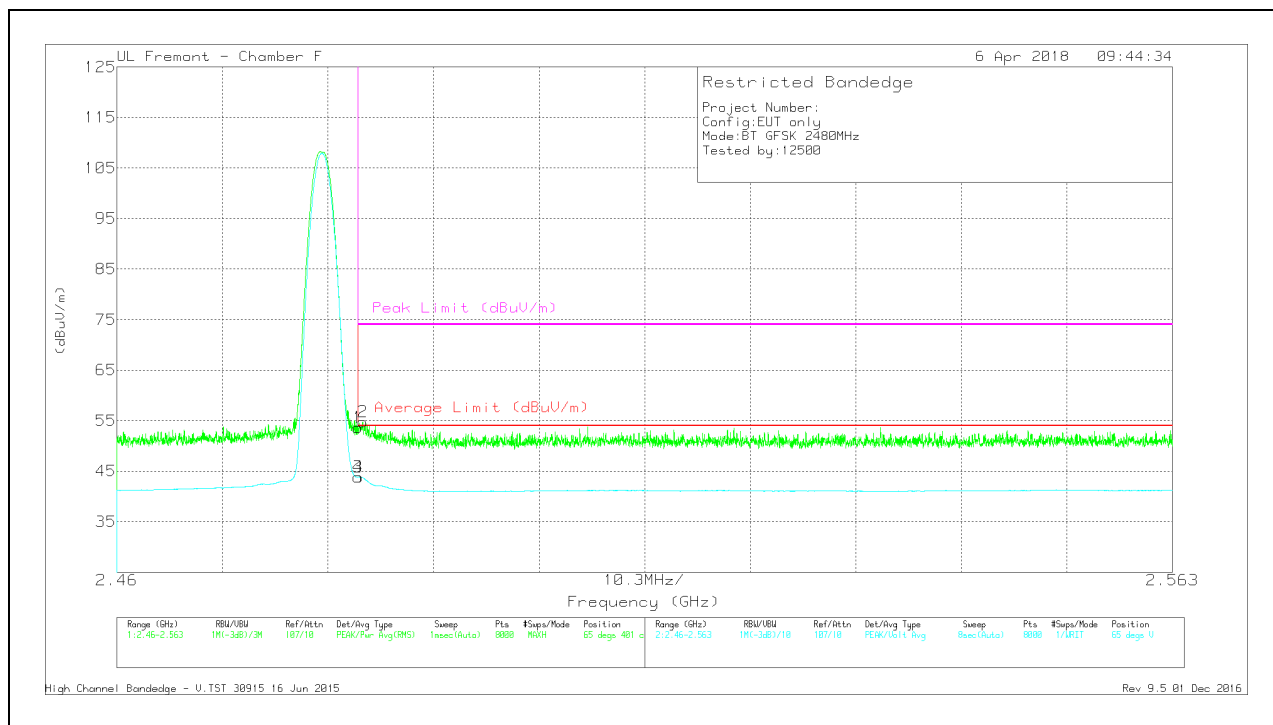
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.01	Pk	32.1	-20.7	55.41	-	-	74	-18.59	8	195	H
2	* 2.484	44.58	Pk	32.2	-20.7	56.08	-	-	74	-17.92	8	195	H
3	* 2.484	33.25	VA1T	32.1	-20.7	44.65	54	-9.35	-	-	8	195	H
4	* 2.484	33.26	VA1T	32.1	-20.7	44.66	54	-9.34	-	-	8	195	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/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.2	Pk	32.1	-20.7	53.6	-	-	74	-20.4	65	401	V
2	* 2.484	43.21	Pk	32.2	-20.7	54.71	-	-	74	-19.29	65	401	V
3	* 2.484	32.38	VA1T	32.1	-20.7	43.78	54	-10.22	-	-	65	401	V
4	* 2.484	32.4	VA1T	32.1	-20.7	43.8	54	-10.2	-	-	65	401	V

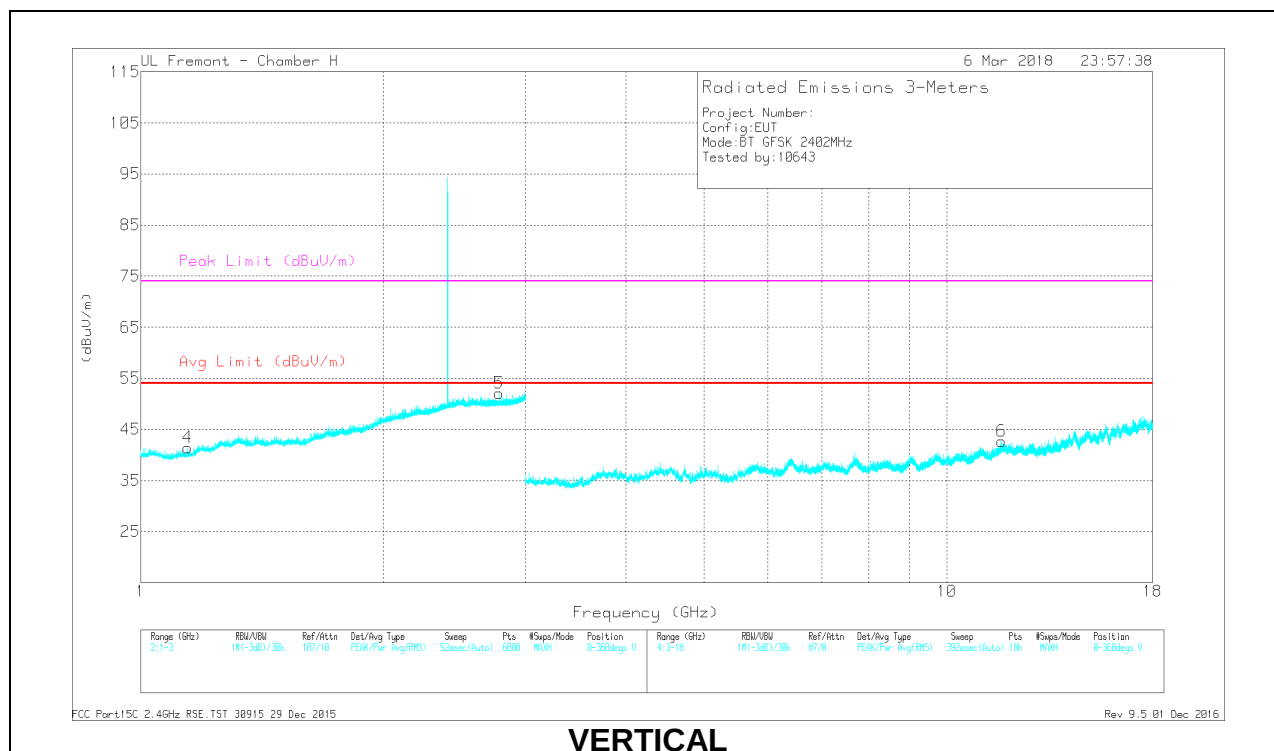
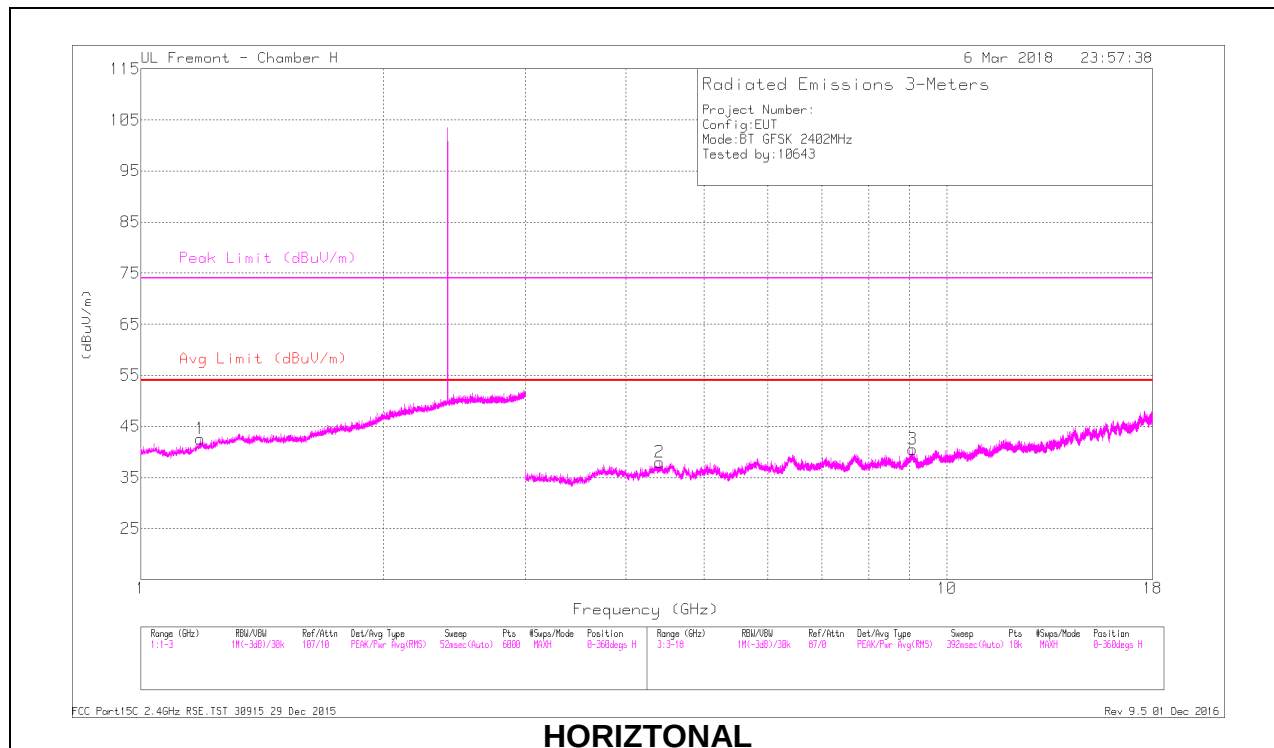
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

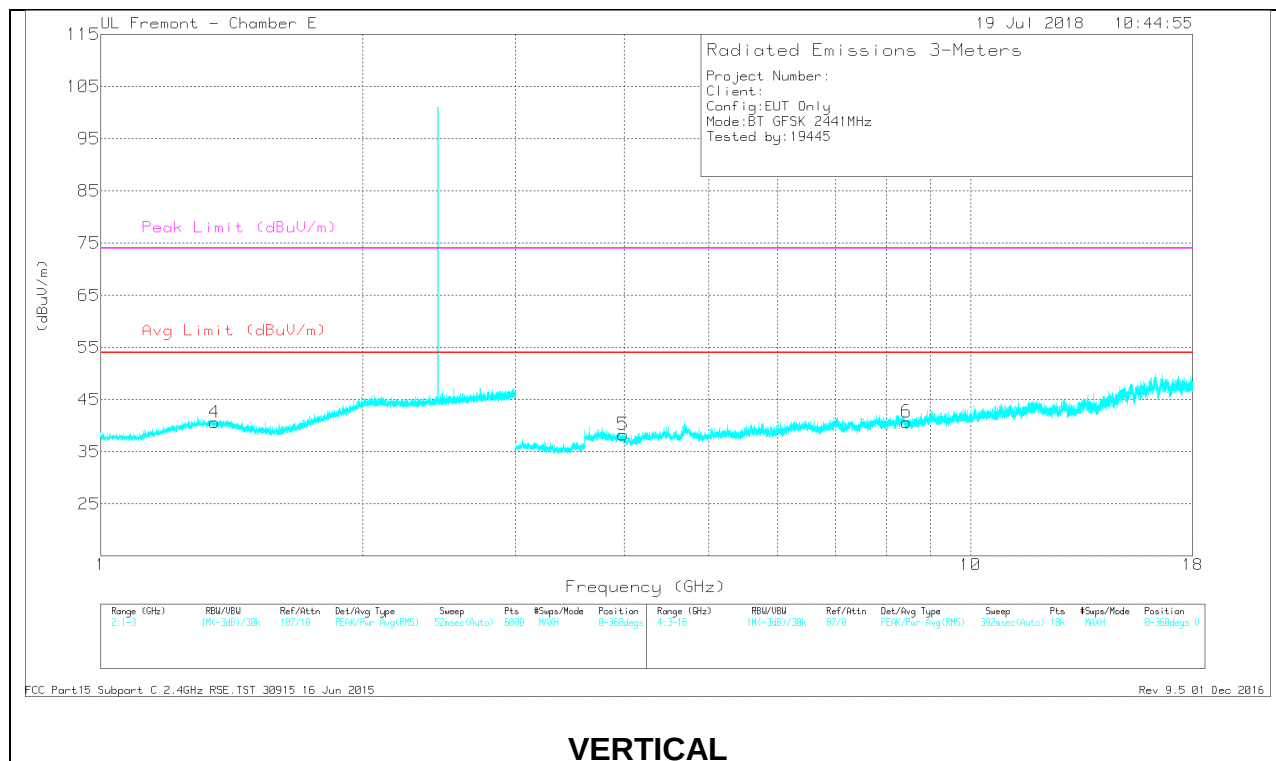
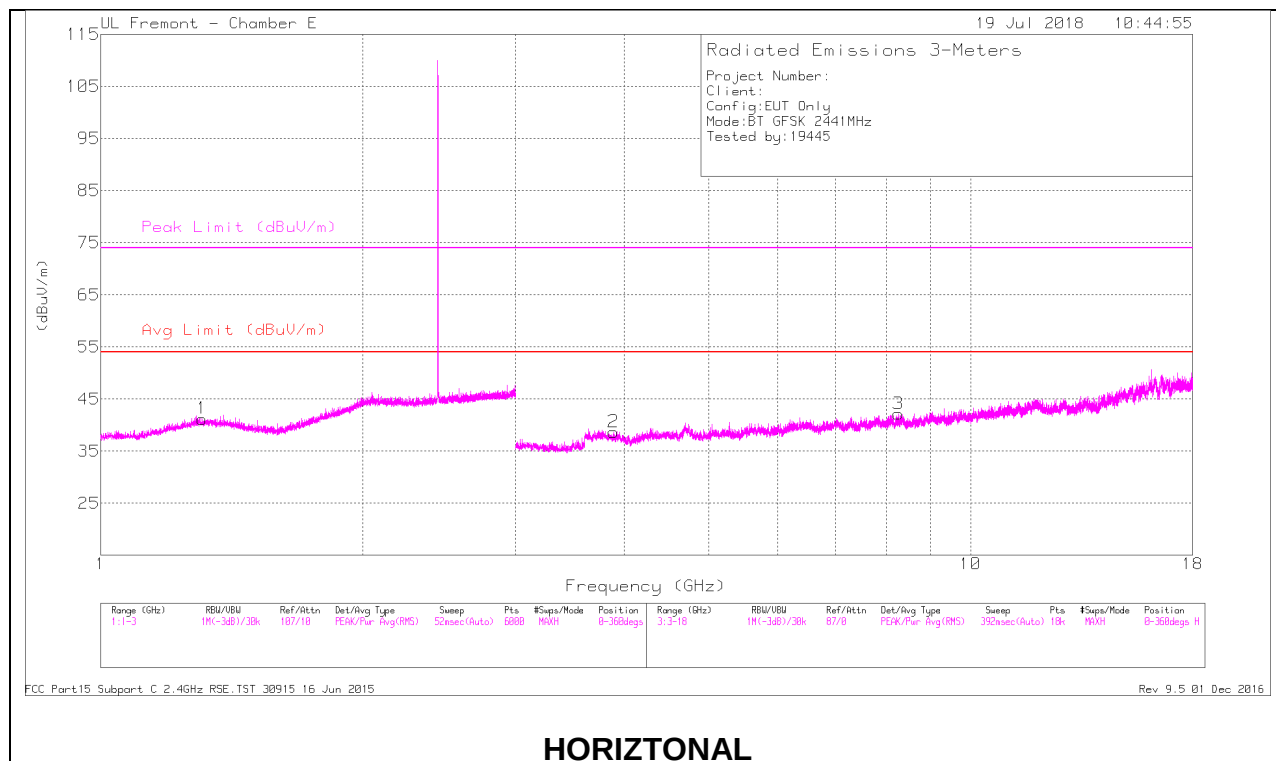
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.186	36.47	PKFH	27.7	-15.9	48.27	-	-	74	-25.73	269	187	H
	* 1.186	24.08	VA1T	27.7	-15.9	35.88	54	-18.12	-	-	269	187	H
2	4.403	42.66	PKFH	34	-33.9	42.76	-	-	-	-	187	226	H
3	* 9.076	37.01	PKFH	36.6	-28.5	45.11	-	-	74	-28.89	305	217	H
	* 9.073	25.1	VA1T	36.6	-28.4	33.3	54	-20.7	-	-	305	217	H
4	* 1.144	35.09	PKFH	27.3	-16	46.39	-	-	74	-27.61	203	201	V
	* 1.142	23.34	VA1T	27.3	-16	34.64	54	-19.36	-	-	203	201	V
5	* 2.784	36.79	PKFH	32.4	-13.7	55.49	-	-	74	-18.51	279	228	V
	* 2.783	25.16	VA1T	32.4	-13.7	43.86	54	-10.14	-	-	279	228	V
6	* 11.694	34.37	PKFH	38.7	-25.9	47.17	-	-	74	-26.83	264	220	V
	* 11.696	23.1	VA1T	38.7	-25.9	35.9	54	-18.1	-	-	264	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fit r/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	* 1.308	44.4	PKFH	28.9	-25.2	48.1	-	-	74	-25.9	360	200	H
	* 1.307	31.22	VA1T	28.9	-25.2	34.92	54	-19.08	-	-	360	200	H
4	* 1.353	43.76	PKFH	28.8	-25.2	47.36	-	-	74	-26.64	360	200	V
	* 1.352	31.01	VA1T	28.8	-25.2	34.61	54	-19.39	-	-	360	200	V
2	* 3.886	40.15	PKFH	33.7	-29.7	44.15	-	-	74	-29.85	360	101	H
	* 3.887	28.5	VA1T	33.7	-29.7	32.5	54	-21.5	-	-	360	101	H
3	* 8.258	38.97	PKFH	36.5	-26.2	49.27	-	-	74	-24.73	360	101	H
	* 8.261	25.34	VA1T	36.5	-26.2	35.64	54	-18.36	-	-	360	101	H
5	* 3.988	39.87	PKFH	33.7	-29.2	44.37	-	-	74	-29.63	360	200	V
	* 3.988	27.53	VA1T	33.7	-29.2	32.03	54	-21.97	-	-	360	200	V
6	* 8.446	36.12	PKFH	36.5	-25.6	47.02	-	-	74	-26.98	360	101	V
	* 8.446	23.39	VA1T	36.5	-25.6	34.29	54	-19.71	-	-	360	101	V

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

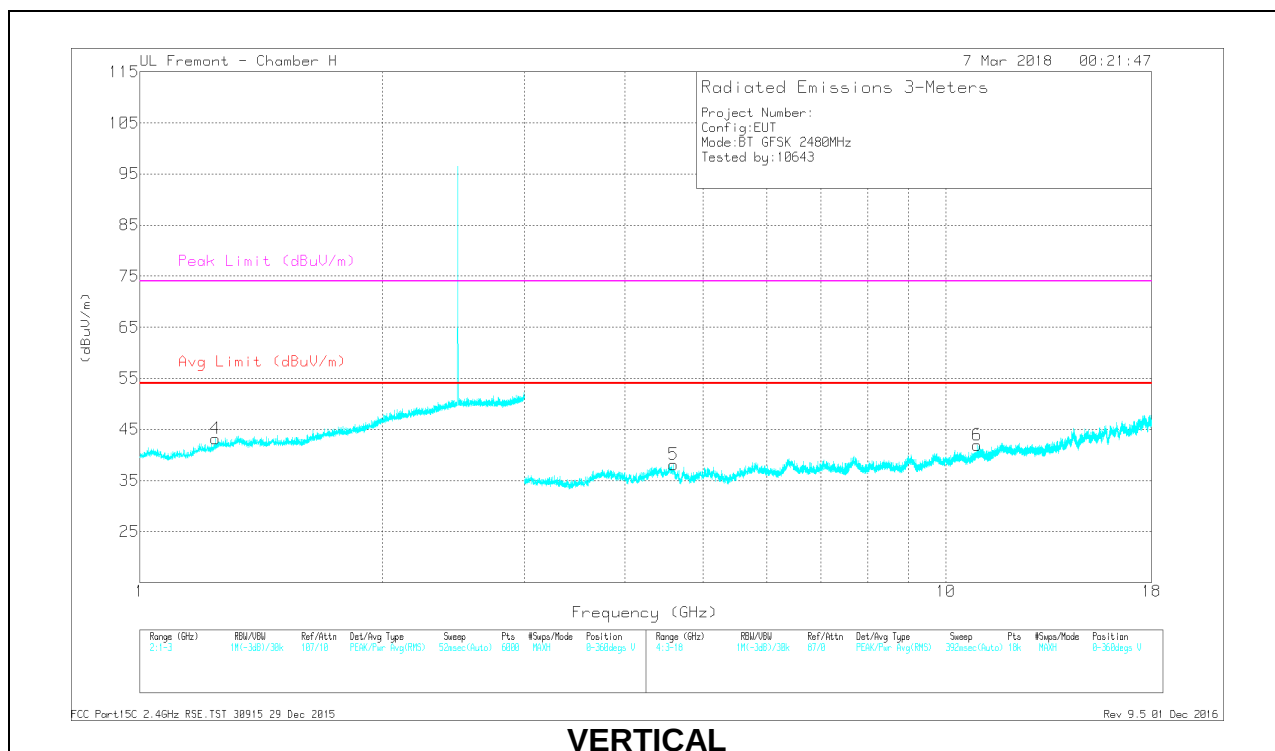
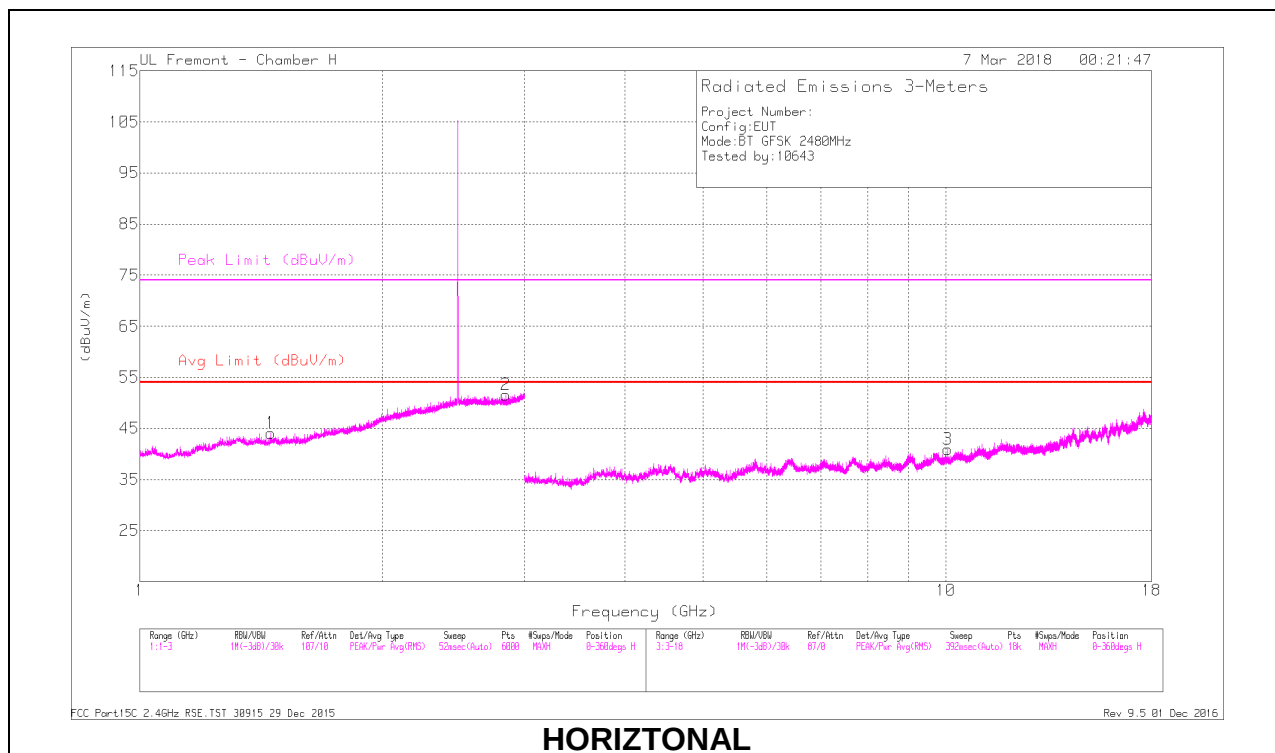
PKFH - FHSS: RB=100k/1MHz VB=3 x RB, Peak

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

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HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/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	* 1.456	36.06	PKFH	28.6	-15.6	49.06	-	-	74	-24.94	294	254	H
	* 1.456	23.87	VA1T	28.6	-15.6	36.87	54	-17.13	-	-	294	254	H
2	* 2.844	37.41	PKFH	32.5	-13.6	56.31	-	-	74	-17.69	263	164	H
	* 2.843	25.03	VA1T	32.5	-13.6	43.93	54	-10.07	-	-	263	164	H
3	10.061	35.48	PKFH	37.3	-27.9	44.88	-	-	74-	-29.12	269	188	H
4	* 1.241	35.66	PKFH	28.4	-16	48.06	-	-	74	-25.94	3	225	V
	* 1.242	23.88	VA1T	28.5	-16	36.38	54	-17.62	-	-	3	225	V
5	* 4.593	43.37	PKFH	34.3	-34.4	43.27	-	-	74	-30.73	251	174	V
	* 4.595	31.56	VA1T	34.3	-34.3	31.56	54	-22.44	-	-	251	174	V
6	* 10.94	35.97	PKFH	37.9	-27.1	46.77	-	-	74	-27.23	195	205	V
	* 10.941	24.26	VA1T	37.9	-27.1	35.06	54	-18.94	-	-	195	205	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