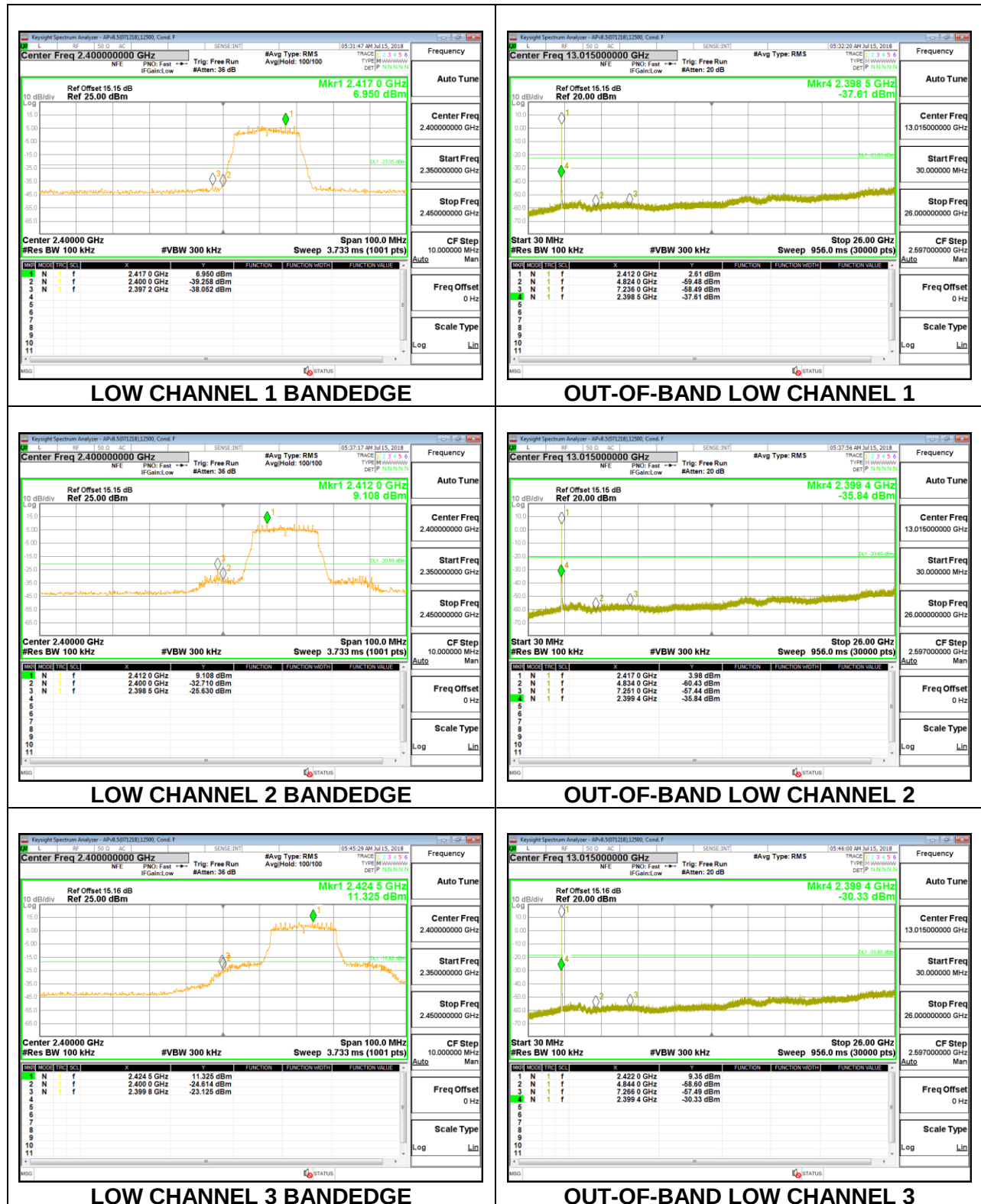
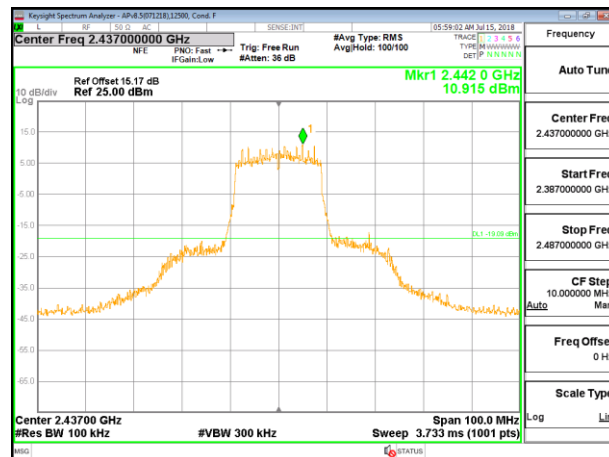
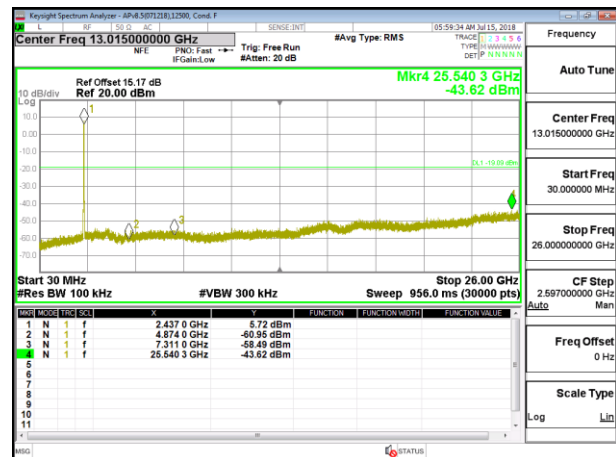


1TX Antenna 5 MODE

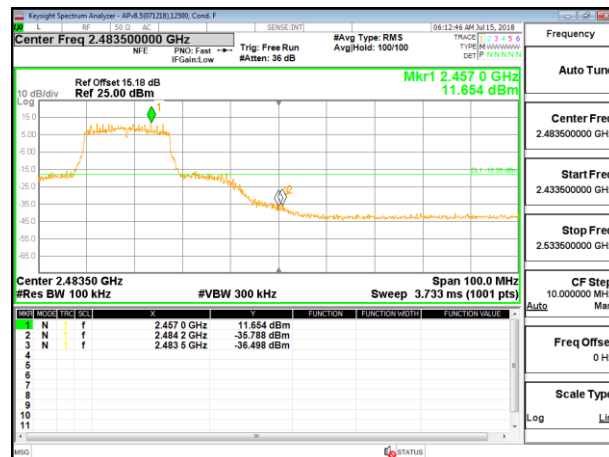




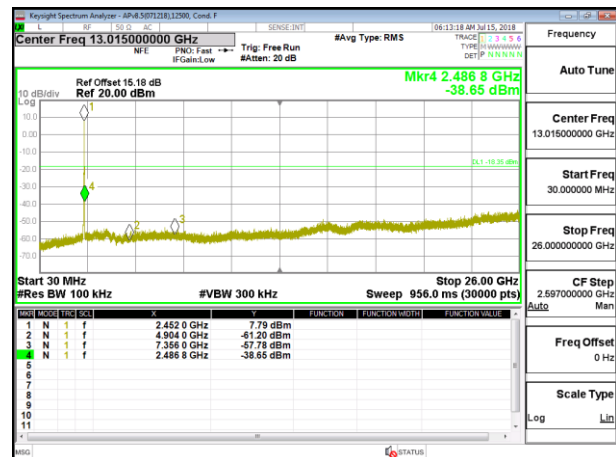
IN-BAND REFERENCE LEVEL



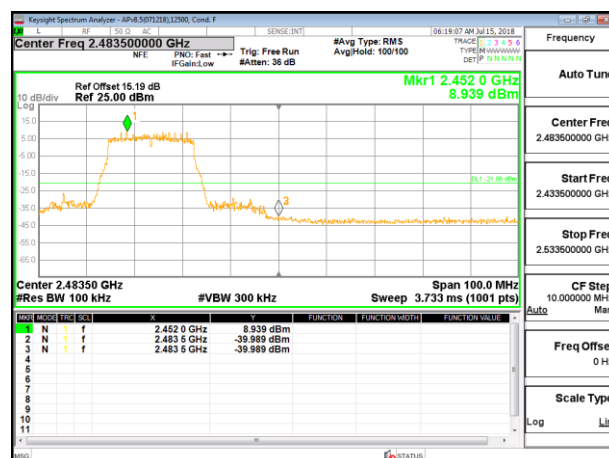
OUT-OF-BAND MID CHANNEL



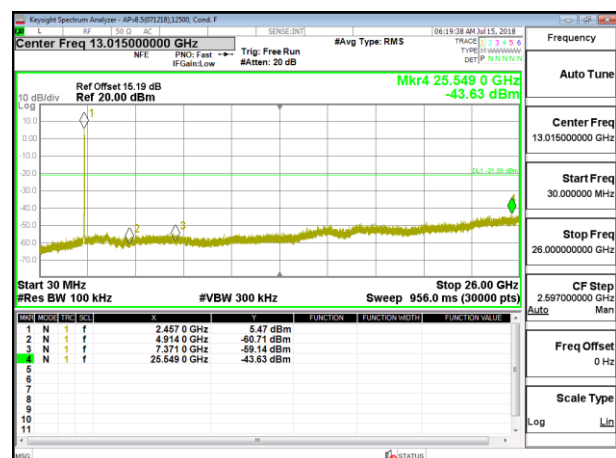
HIGH CHANNEL 9 BANDEDGE



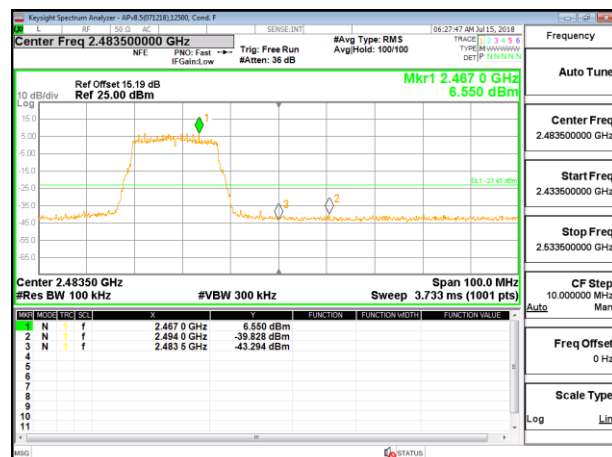
OUT-OF-BAND HIGH CHANNEL 9



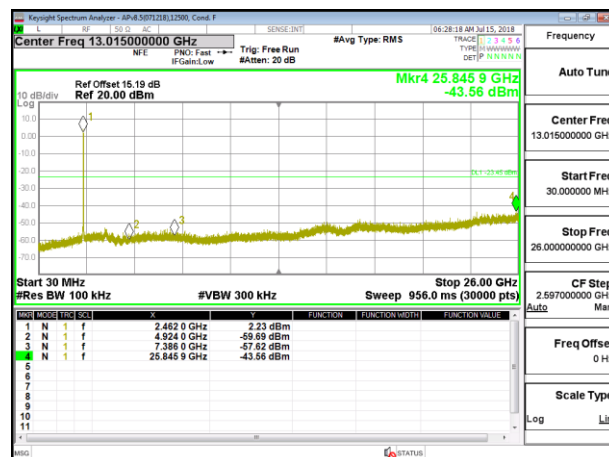
HIGH CHANNEL 10 BANDEDGE



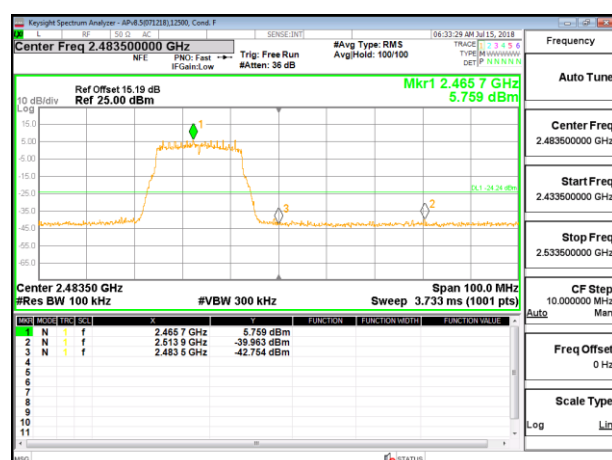
OUT-OF-BAND HIGH CHANNEL 10



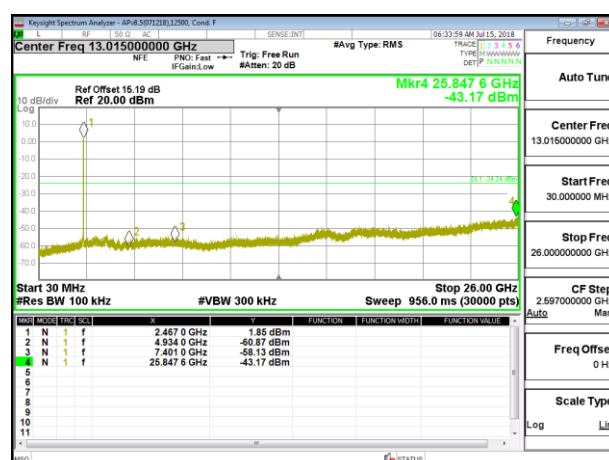
HIGH CHANNEL 11 BANDEDGE



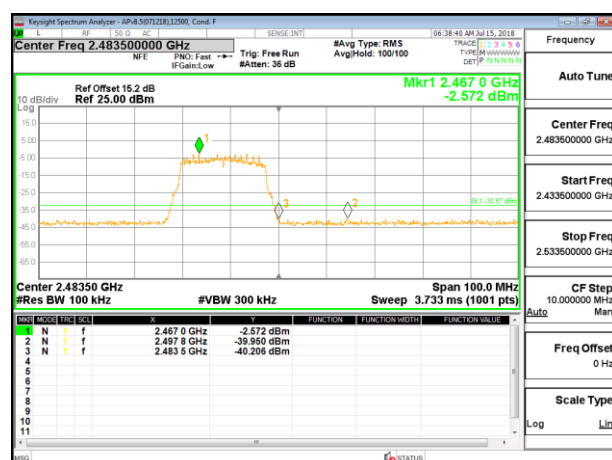
OUT-OF-BAND HIGH CHANNEL 11



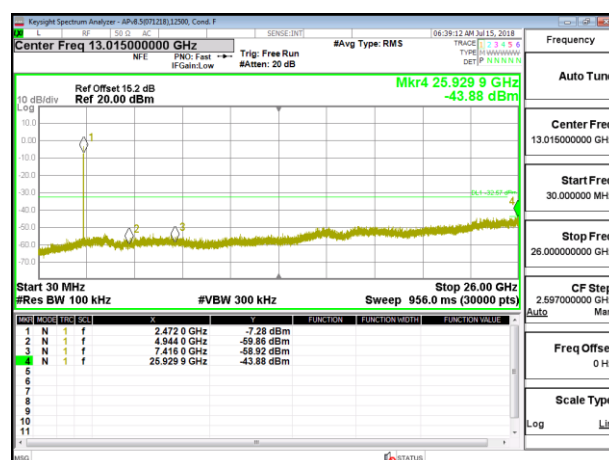
HIGH CHANNEL 12 BANDEDGE



OUT-OF-BAND HIGH CHANNEL 12

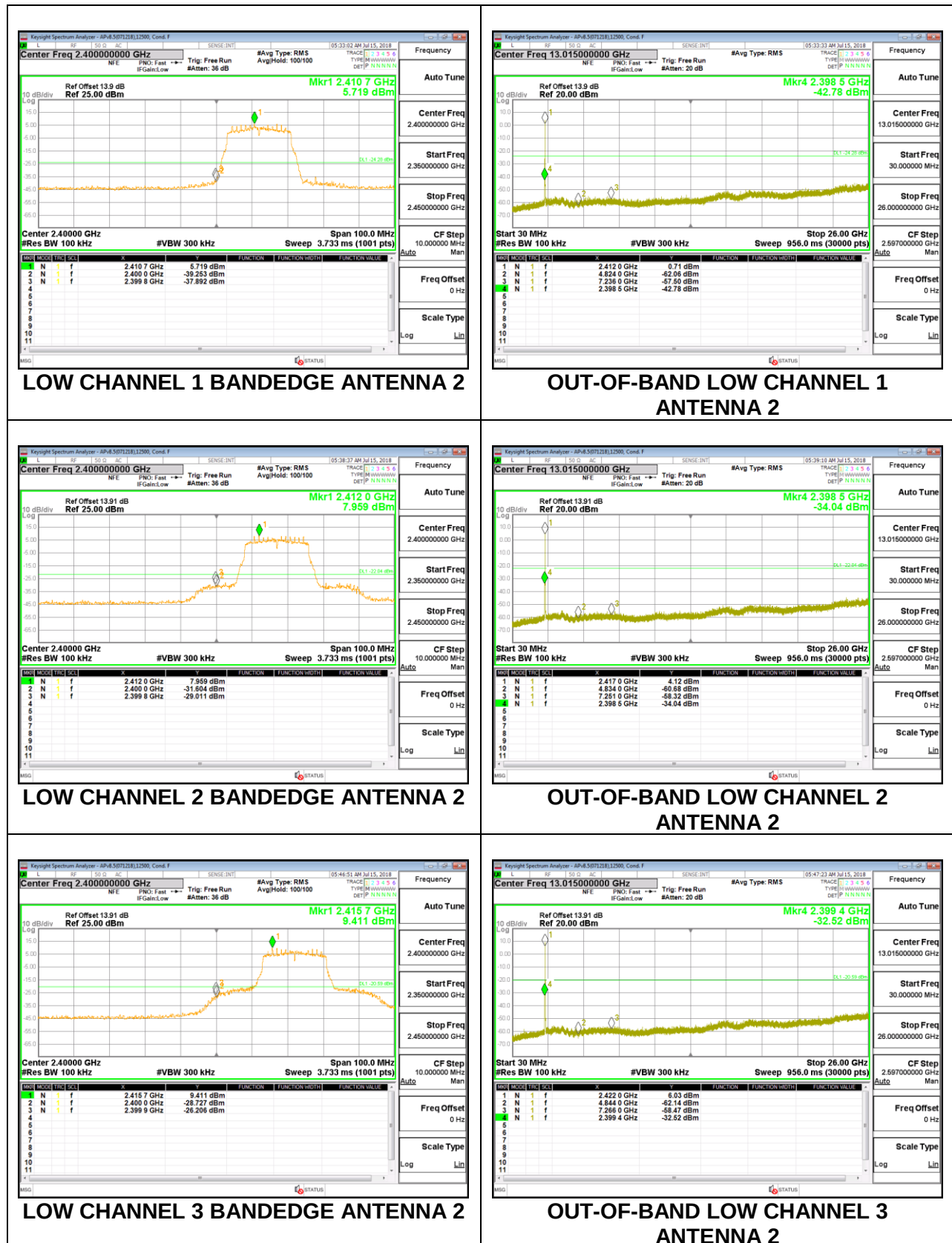


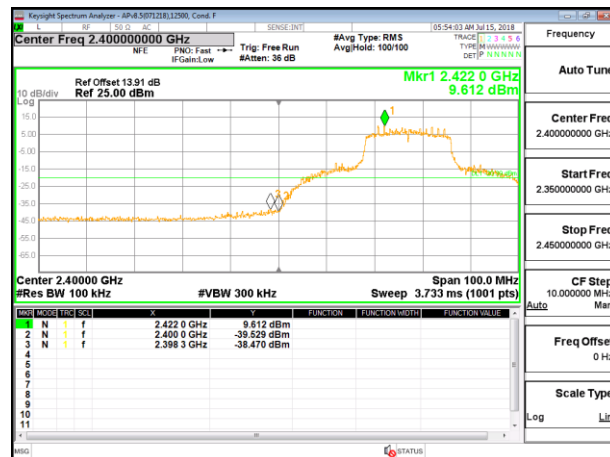
HIGH CHANNEL 13 BANDEDGE



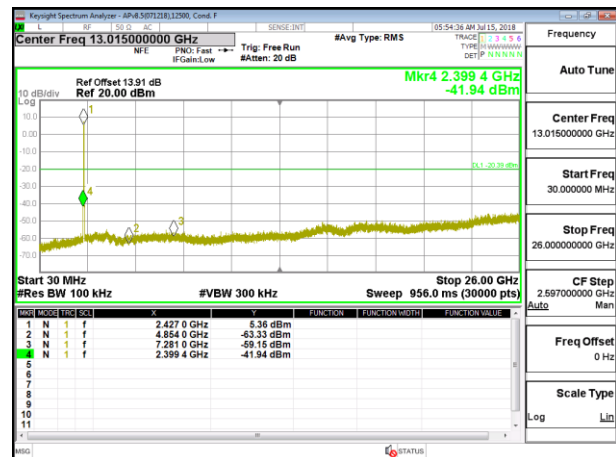
OUT-OF-BAND HIGH CHANNEL 13

8.6.3. 2TX Antenna 2 + Antenna 5 CDD MODE

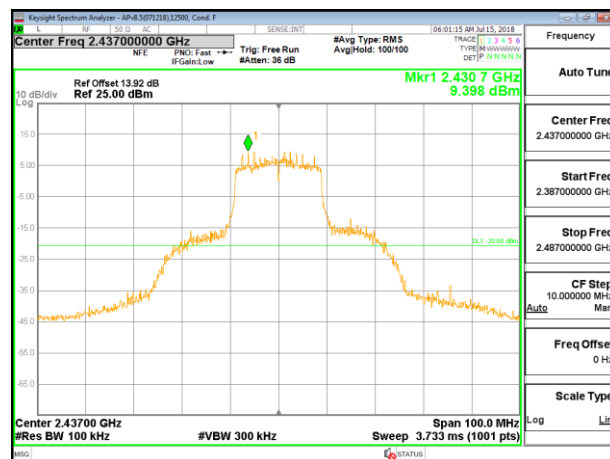




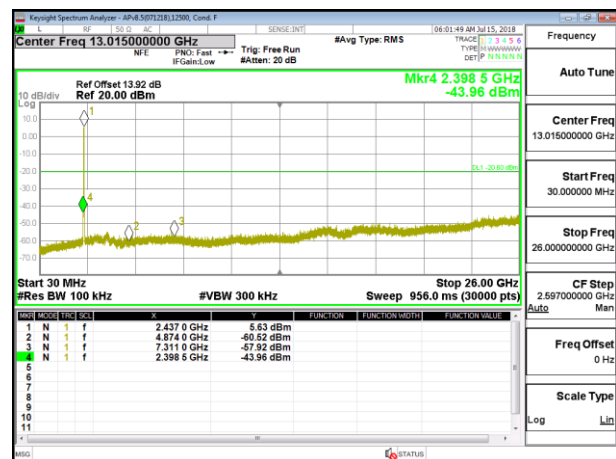
LOW CHANNEL 4 BANDEDGE ANTENNA 2



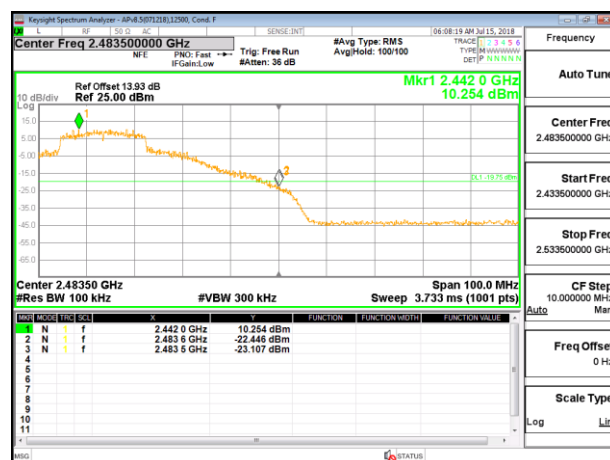
OUT-OF-BAND LOW CHANNEL 4
ANTENNA 2



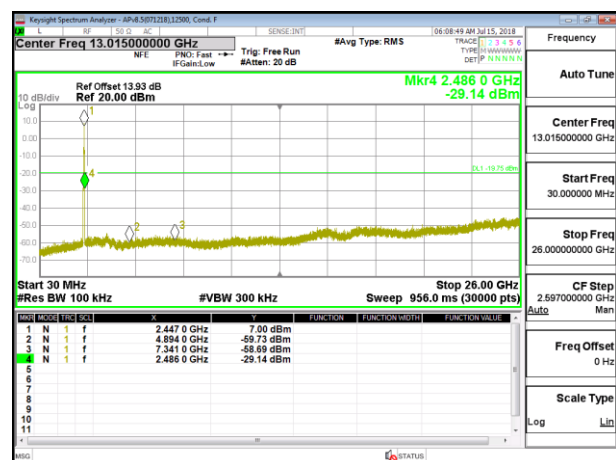
IN-BAND REFERENCE LEVEL ANTENNA 2



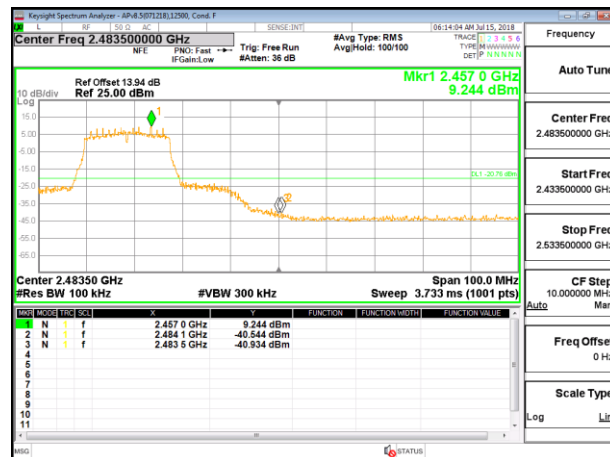
OUT-OF-BAND MID CHANNEL ANTENNA 2



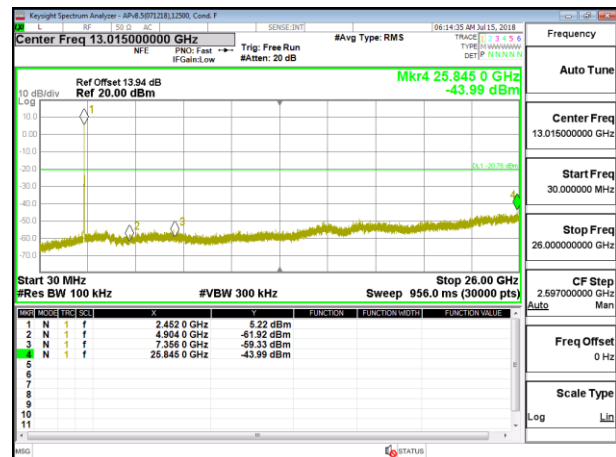
HIGH CHANNEL 8 BANDEDGE ANTENNA 2



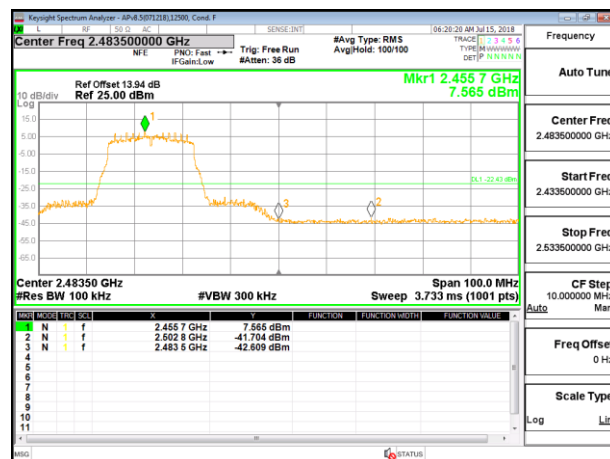
OUT-OF-BAND HIGH CHANNEL 8
ANTENNA 2



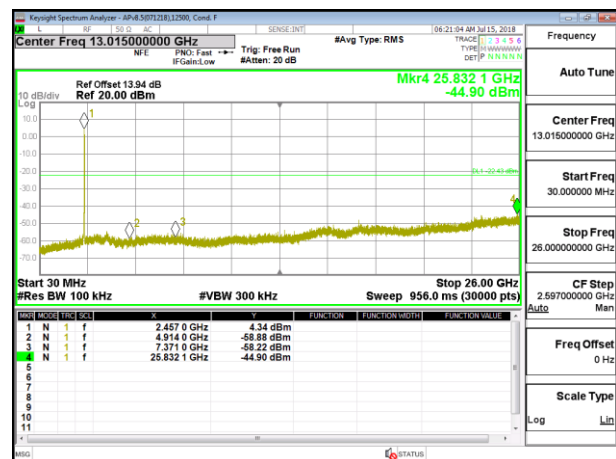
HIGH CHANNEL 9 BANDEDGE ANTENNA 2



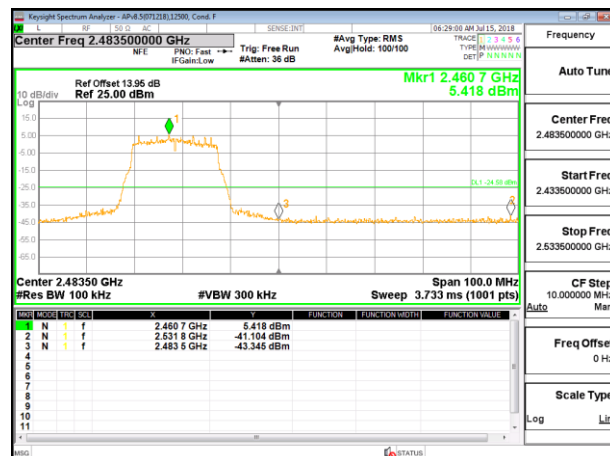
OUT-OF-BAND HIGH CHANNEL 9
ANTENNA 2



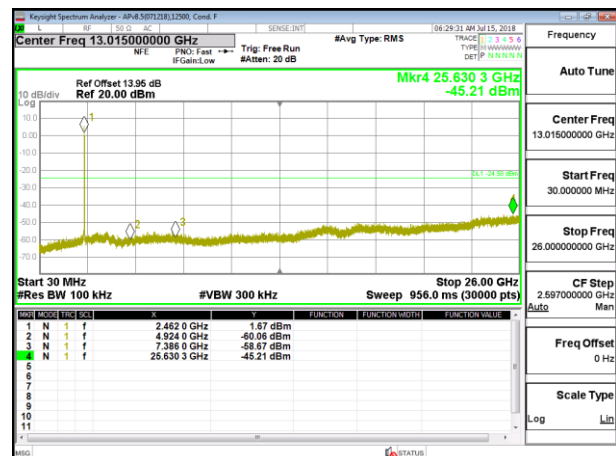
HIGH CHANNEL 10 BANDEDGE ANTENNA
2



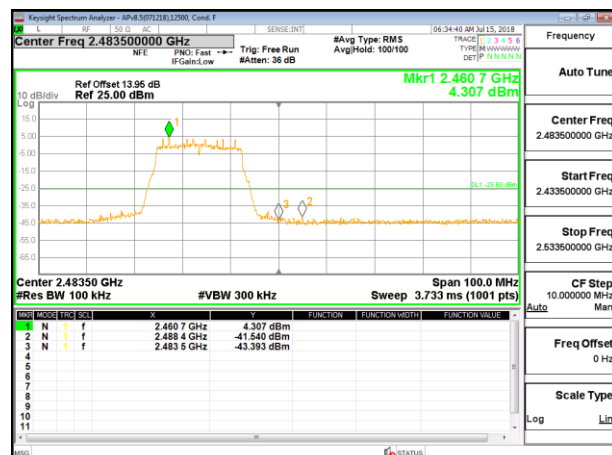
OUT-OF-BAND HIGH CHANNEL 10
ANTENNA 2



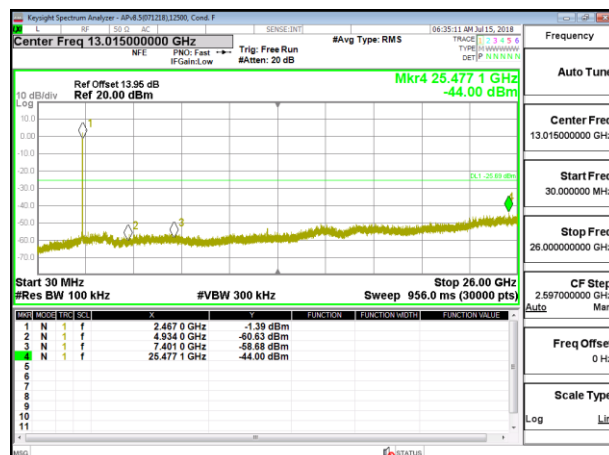
HIGH CHANNEL 11 BANDEDGE ANTENNA
2



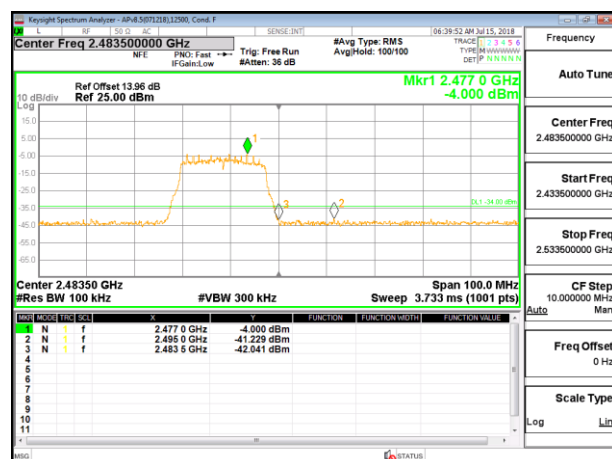
OUT-OF-BAND HIGH CHANNEL 11
ANTENNA 2



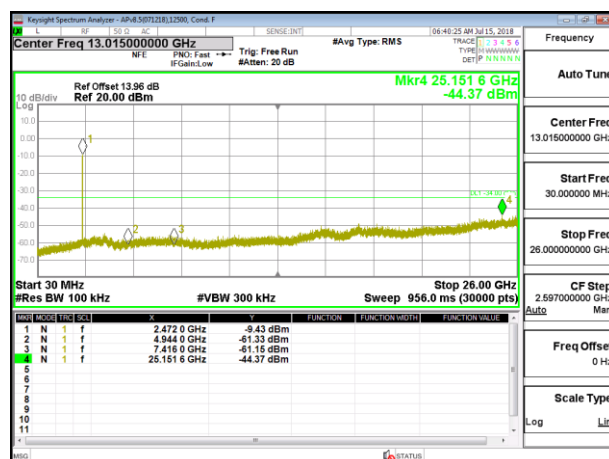
HIGH CHANNEL 12 BANDEDGE ANTENNA 2



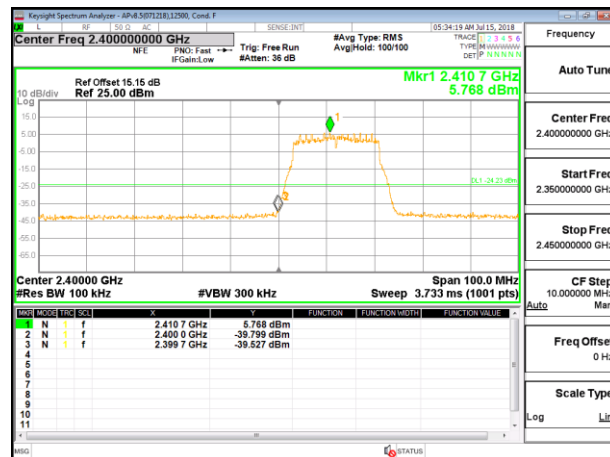
OUT-OF-BAND HIGH CHANNEL 12 ANTENNA 2



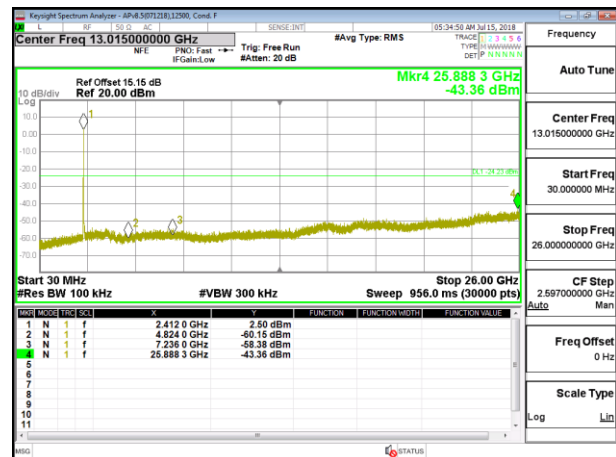
HIGH CHANNEL 13 BANDEDGE ANTENNA 2



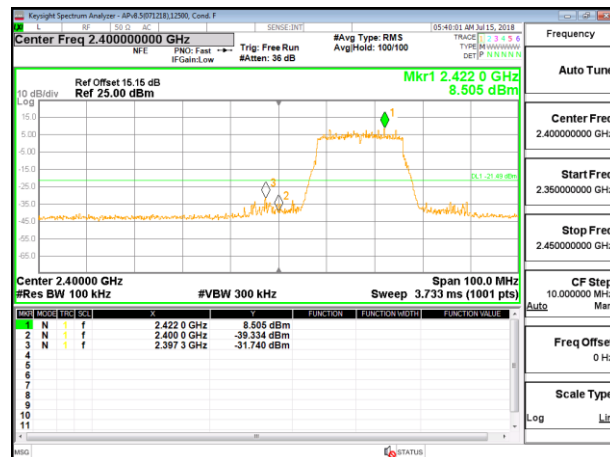
OUT-OF-BAND HIGH CHANNEL 13 ANTENNA 2



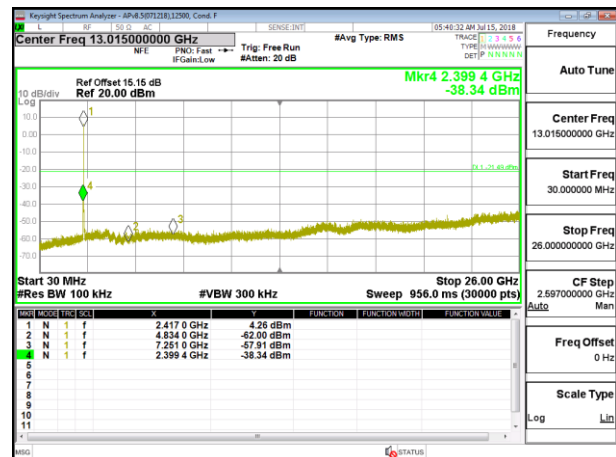
LOW CHANNEL 1 BANDEDGE ANTENNA 5



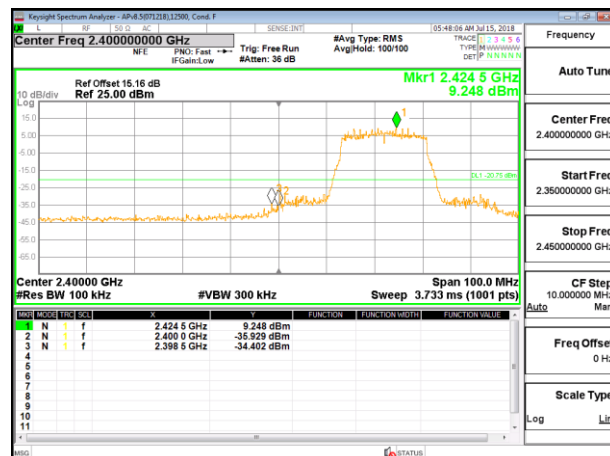
OUT-OF-BAND LOW CHANNEL 1
ANTENNA 5



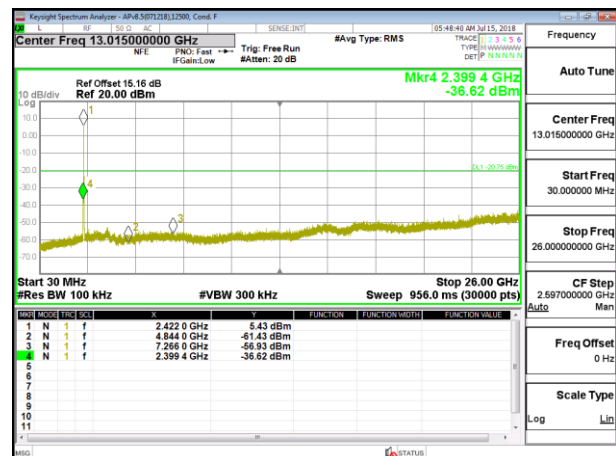
LOW CHANNEL 2 BANDEDGE ANTENNA 5



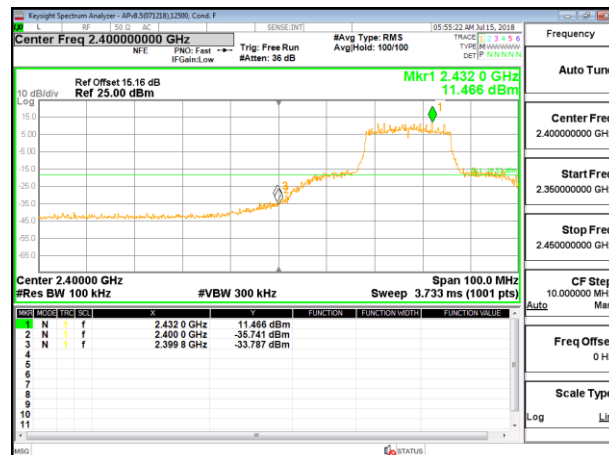
OUT-OF-BAND LOW CHANNEL 2
ANTENNA 5



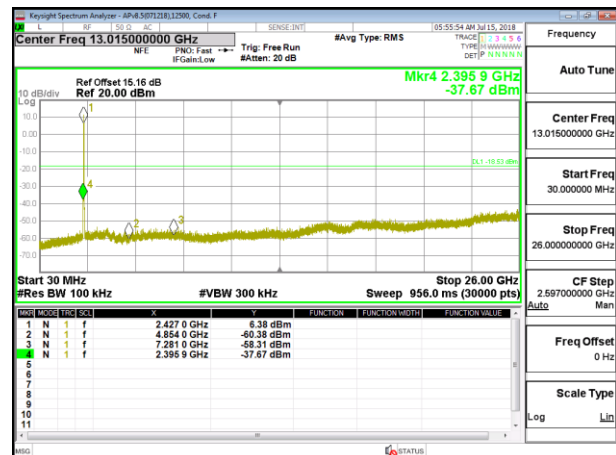
LOW CHANNEL 3 BANDEDGE ANTENNA 5



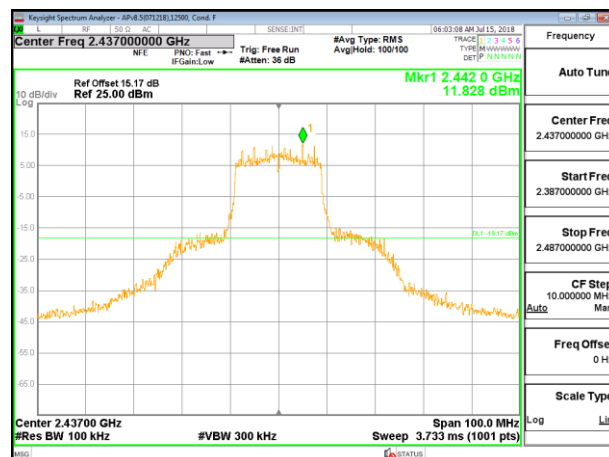
OUT-OF-BAND LOW CHANNEL 3
ANTENNA 5



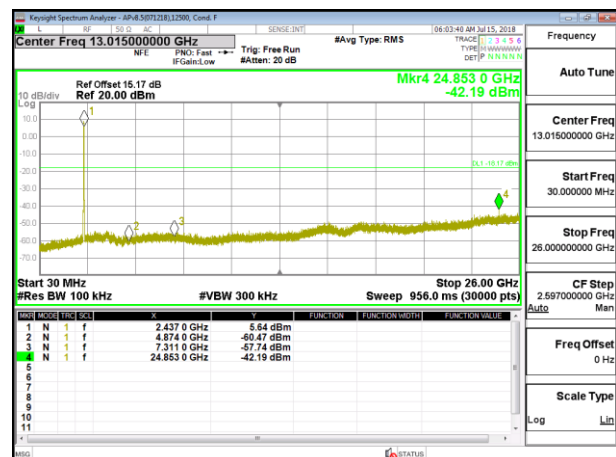
LOW CHANNEL 4 BANDEDGE ANTENNA 5



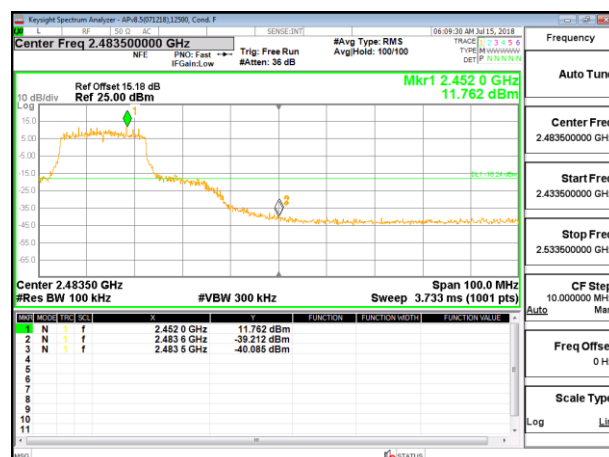
OUT-OF-BAND LOW CHANNEL 4
ANTENNA 5



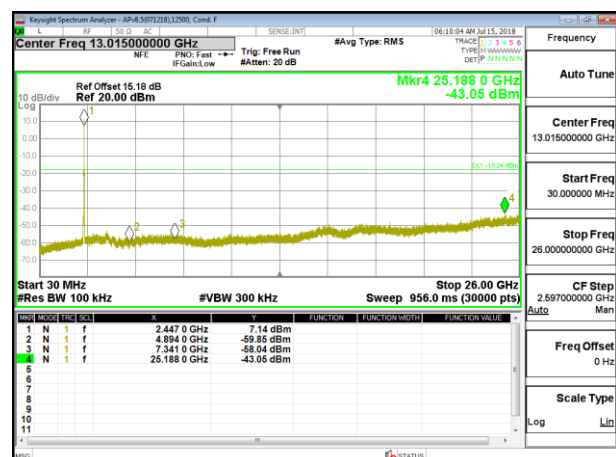
IN-BAND REFERENCE LEVEL ANTENNA 5



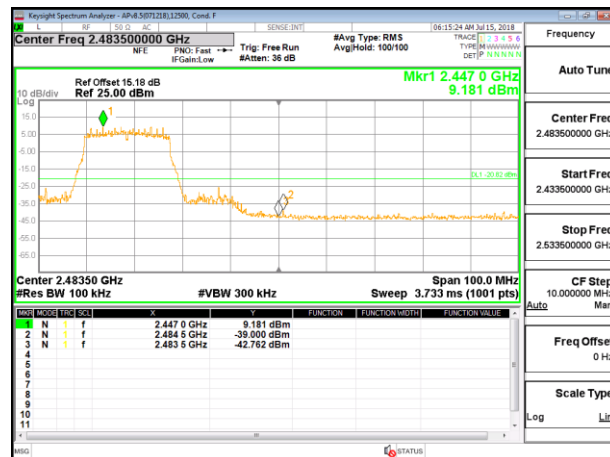
OUT-OF-BAND MID CHANNEL ANTENNA 5



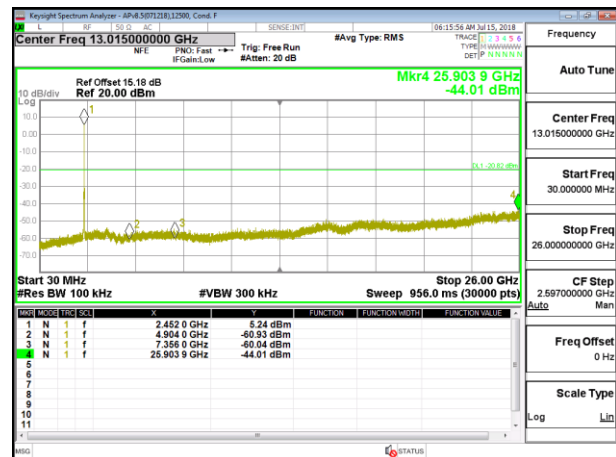
HIGH CHANNEL 8 BANDEDGE ANTENNA 5



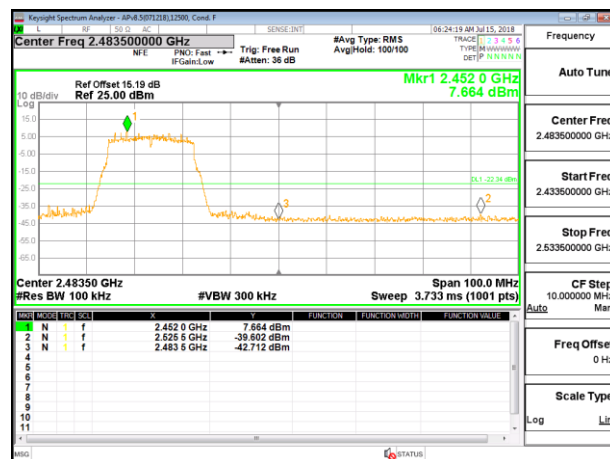
OUT-OF-BAND HIGH CHANNEL 8
ANTENNA 5



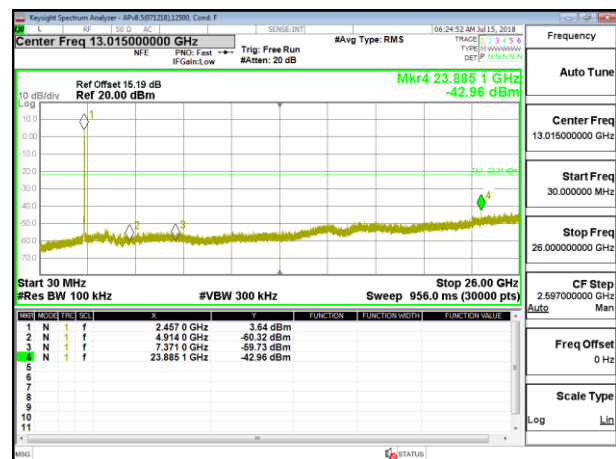
HIGH CHANNEL 9 BANDEDGE ANTENNA 5



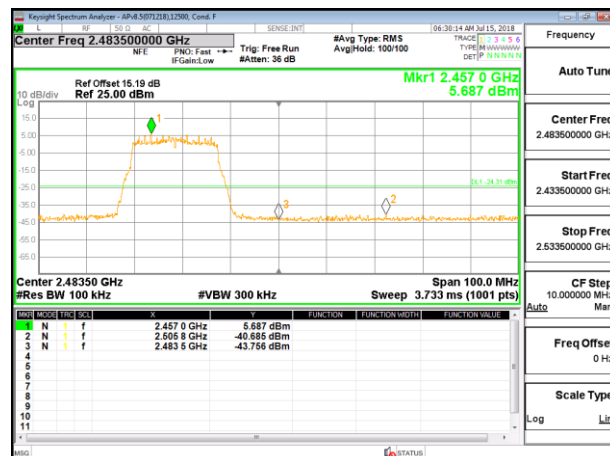
OUT-OF-BAND HIGH CHANNEL 9 ANTENNA 5



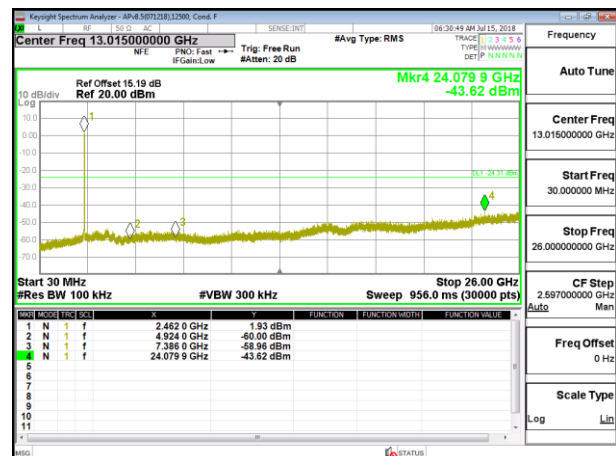
HIGH CHANNEL 10 BANDEDGE ANTENNA 5



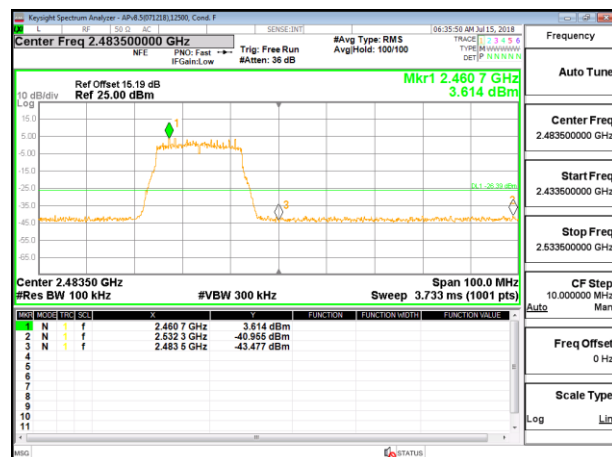
OUT-OF-BAND HIGH CHANNEL 10 ANTENNA 5



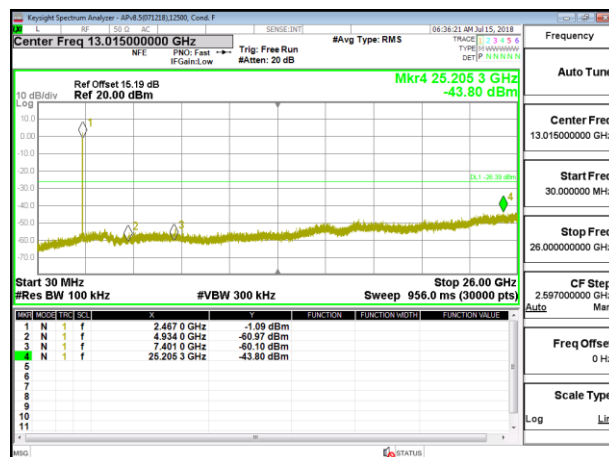
HIGH CHANNEL 11 BANDEDGE ANTENNA 5



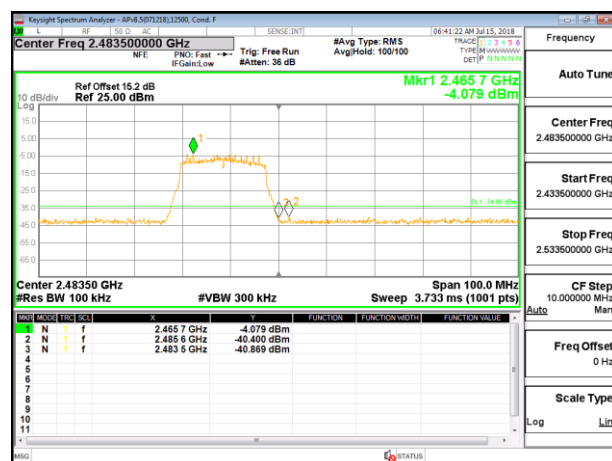
OUT-OF-BAND HIGH CHANNEL 11 ANTENNA 5



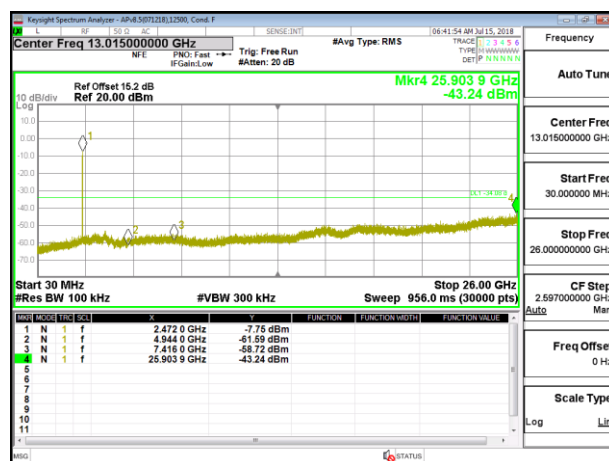
HIGH CHANNEL 12 BANDEDGE ANTENNA 5



OUT-OF-BAND HIGH CHANNEL 12 ANTENNA 5



HIGH CHANNEL 13 BANDEDGE ANTENNA 5



OUT-OF-BAND HIGH CHANNEL 13 ANTENNA 5

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 measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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.

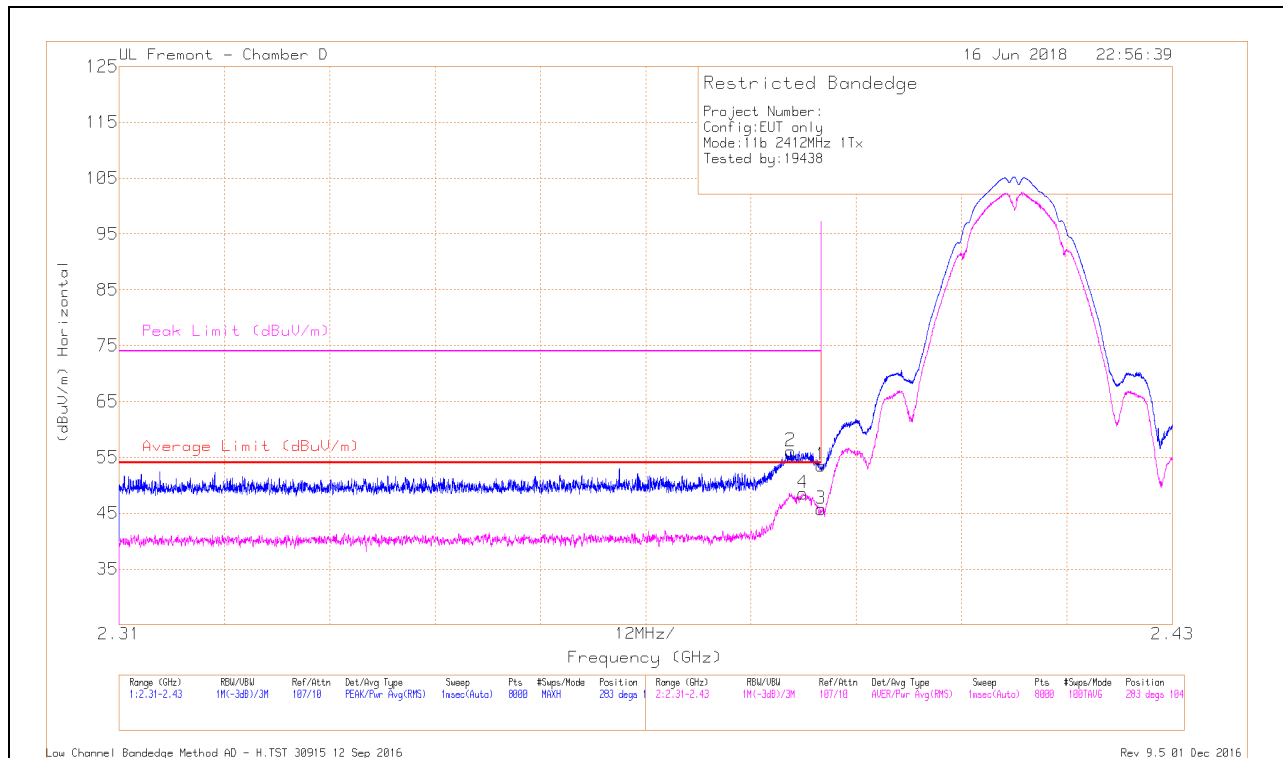
9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

1TX Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



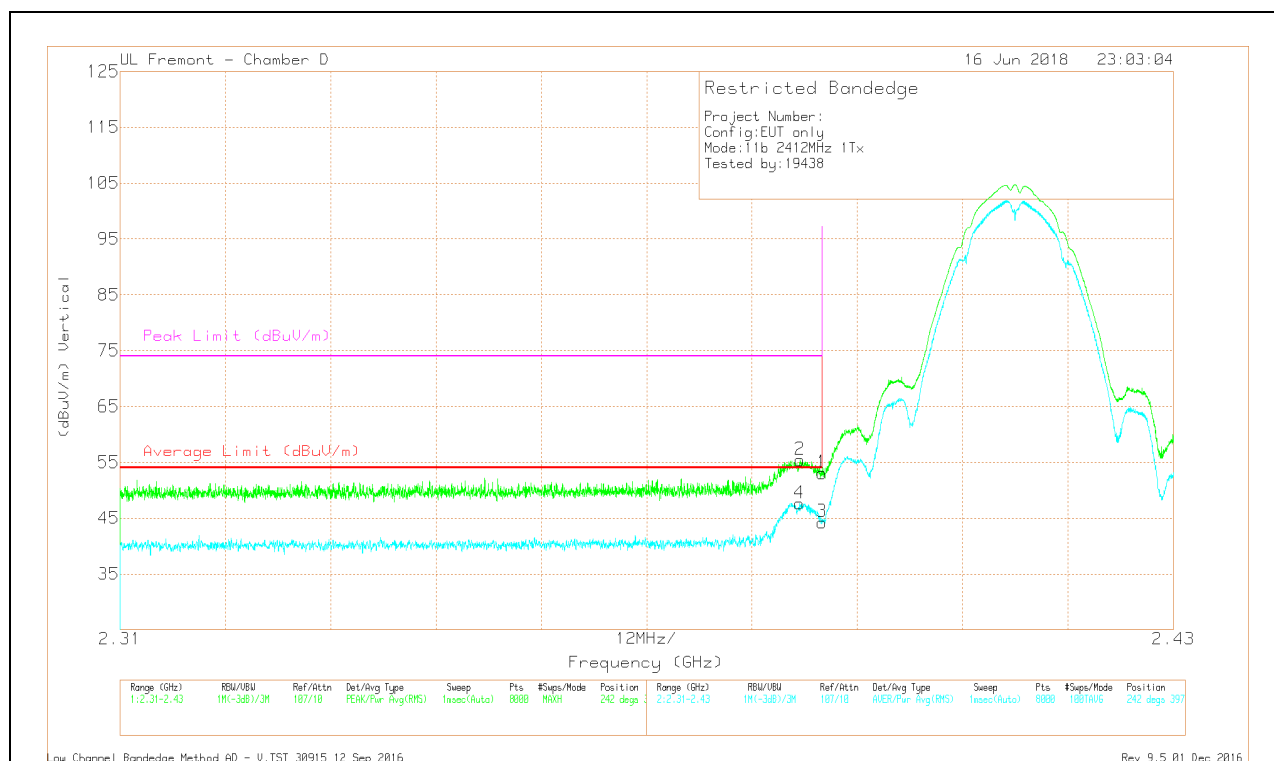
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.387	44.72	Pk	31.9	-20.5	56.12	-	-	74	-17.88	283	104	H
4	* 2.388	37.16	RMS	31.9	-20.5	48.56	54	-5.44	-	-	283	104	H
1	* 2.39	42.16	Pk	31.9	-20.5	53.56	-	-	74	-20.44	283	104	H
3	* 2.39	34.35	RMS	31.9	-20.5	45.75	54	-8.25	-	-	283	104	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 2.387	44.02	Pk	31.9	-20.5	55.42	-	-	74	-18.58	242	397	V
4	* 2.387	36.22	RMS	31.9	-20.5	47.62	54	-6.38	-	-	242	397	V
1	* 2.39	41.68	Pk	31.9	-20.5	53.08	-	-	74	-20.92	242	397	V
3	* 2.39	32.88	RMS	31.9	-20.5	44.28	54	-9.72	-	-	242	397	V

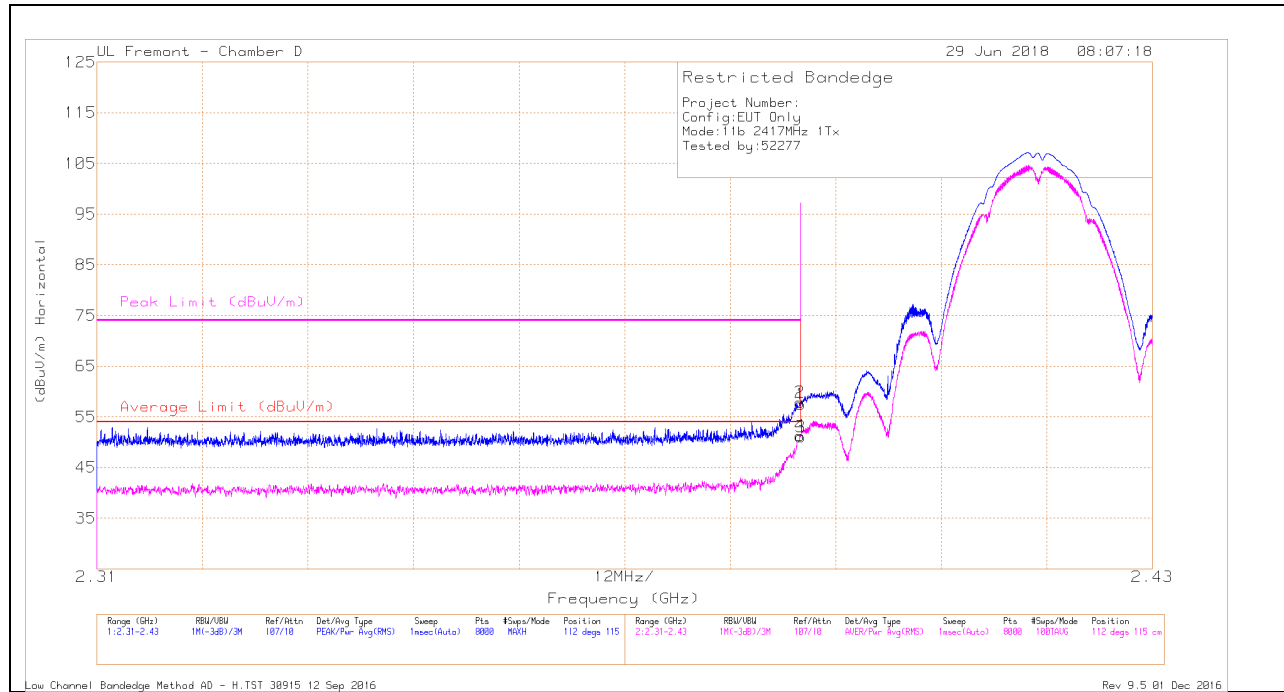
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



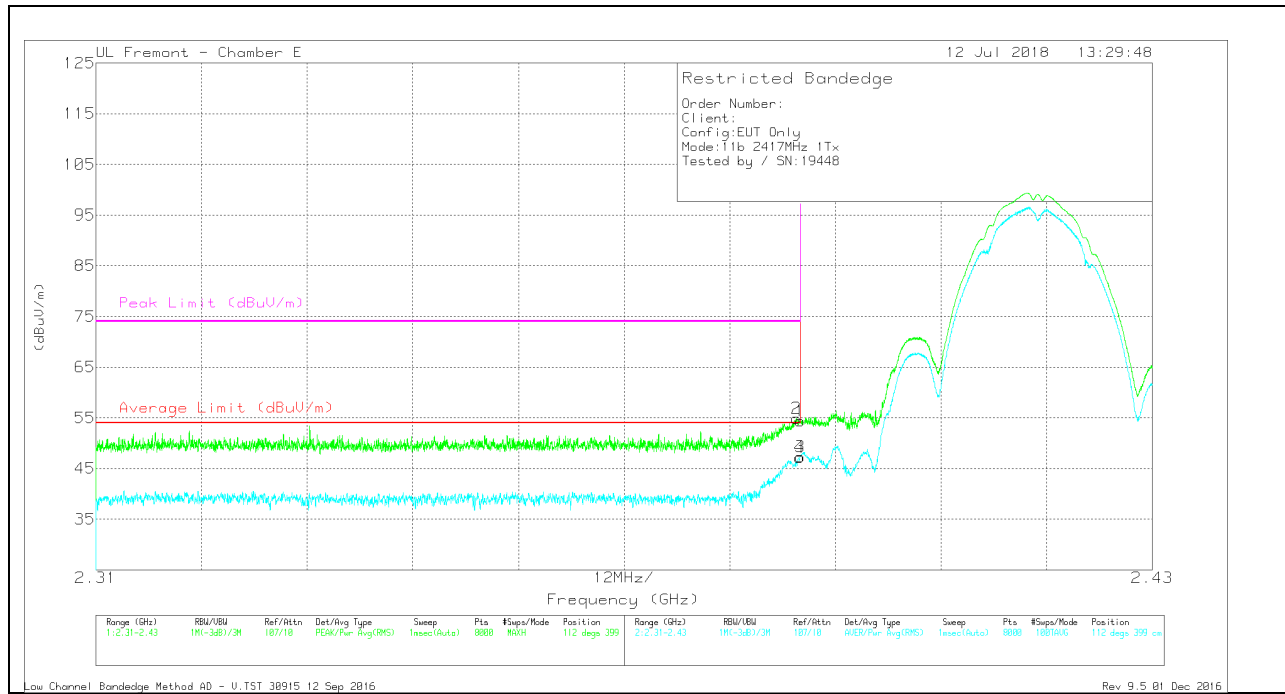
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.9	Pk	32.1	-20.5	57.5	-	-	74	-16.5	112	115	H
2	* 2.39	46.21	Pk	32.1	-20.5	57.81	-	-	74	-16.19	112	115	H
3	* 2.39	39.45	RMS	32.1	-20.5	51.05	54	-2.95	-	-	112	115	H
4	* 2.39	39.63	RMS	32.1	-20.5	51.23	54	-2.77	-	-	112	115	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/Cb/Filt/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	44.95	Pk	32	-22.6	54.35	-	-	74	-19.65	112	399	V
2	* 2.39	45.46	Pk	32	-22.6	54.86	-	-	74	-19.14	112	399	V
3	* 2.39	37.93	RMS	32	-22.6	47.33	54	-6.67	-	-	112	399	V
4	* 2.39	37.84	RMS	32	-22.6	47.24	54	-6.76	-	-	112	399	V

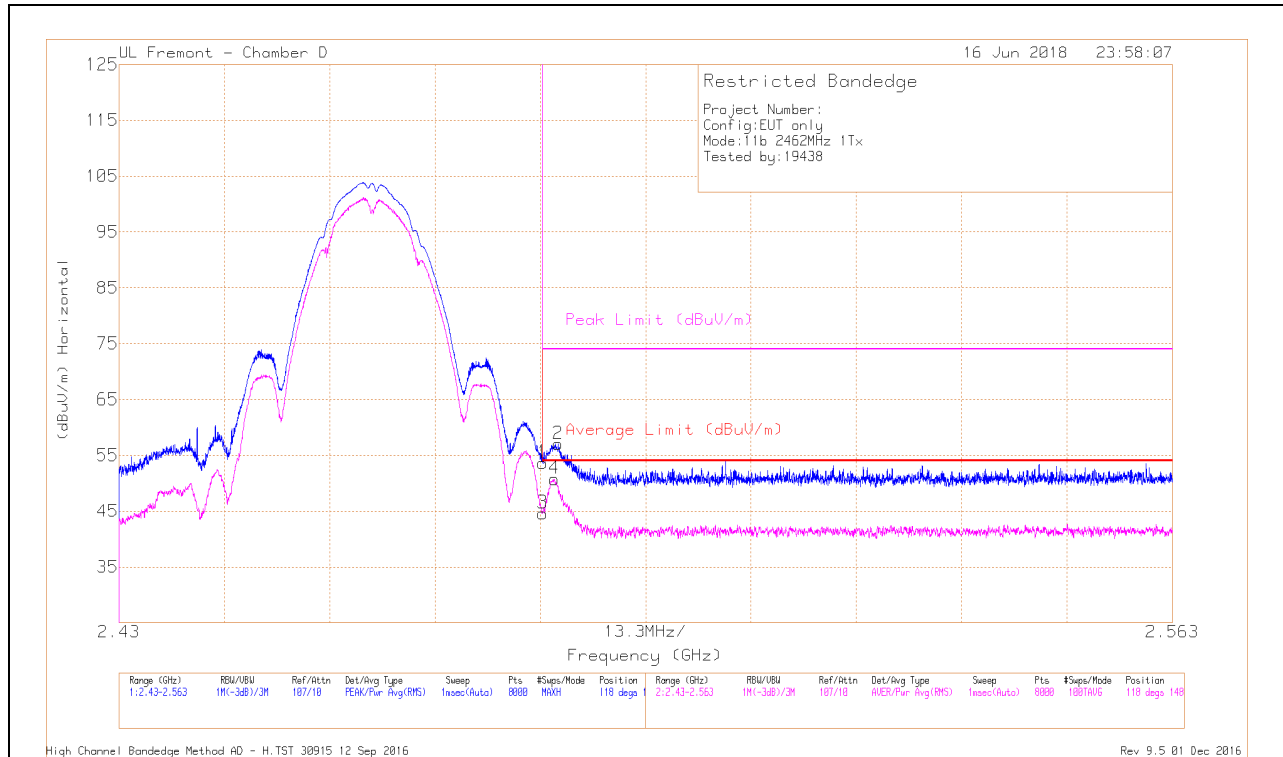
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



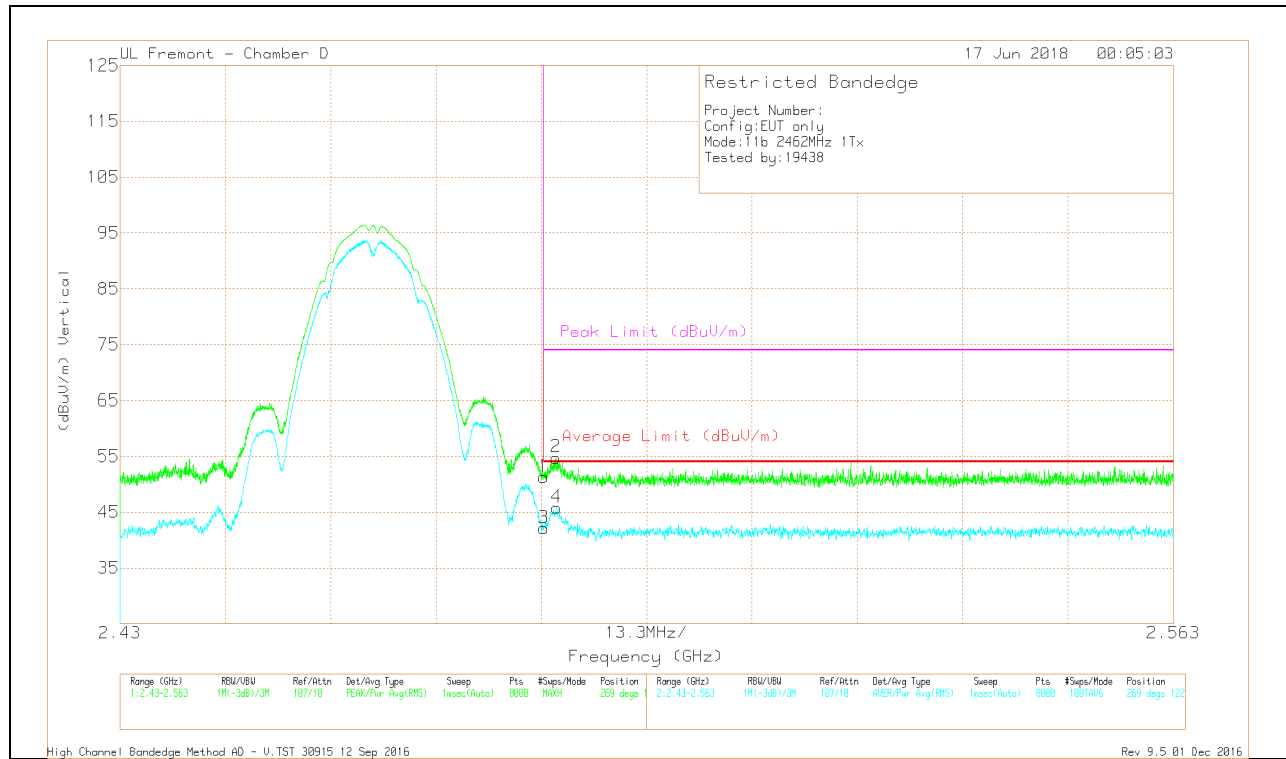
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.64	Pk	32.4	-20.4	53.64	-	-	74	-20.36	118	148	H
3	* 2.484	32.63	RMS	32.4	-20.4	44.63	54	-9.37	-	-	118	148	H
2	* 2.485	45.13	Pk	32.4	-20.5	57.03	-	-	74	-16.97	118	148	H
4	* 2.485	38.86	RMS	32.4	-20.5	50.76	54	-3.24	-	-	118	148	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dBm)	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	39.3	Pk	32.4	-20.4	51.3	-	-	74	-22.7	269	122	V
3	* 2.484	30.15	RMS	32.4	-20.4	42.15	54	-11.85	-	-	269	122	V
2	* 2.485	42.89	Pk	32.4	-20.5	54.79	-	-	74	-19.21	269	122	V
4	* 2.485	33.89	RMS	32.4	-20.5	45.79	54	-8.21	-	-	269	122	V

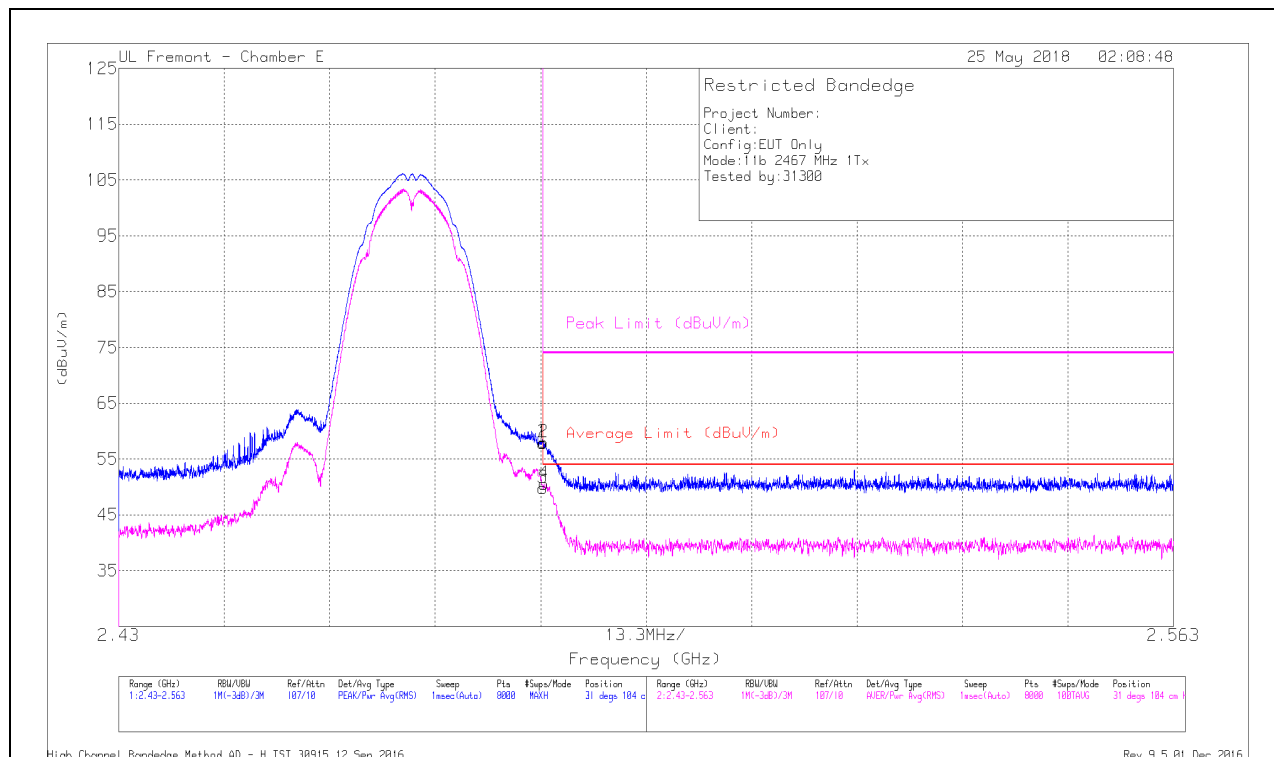
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



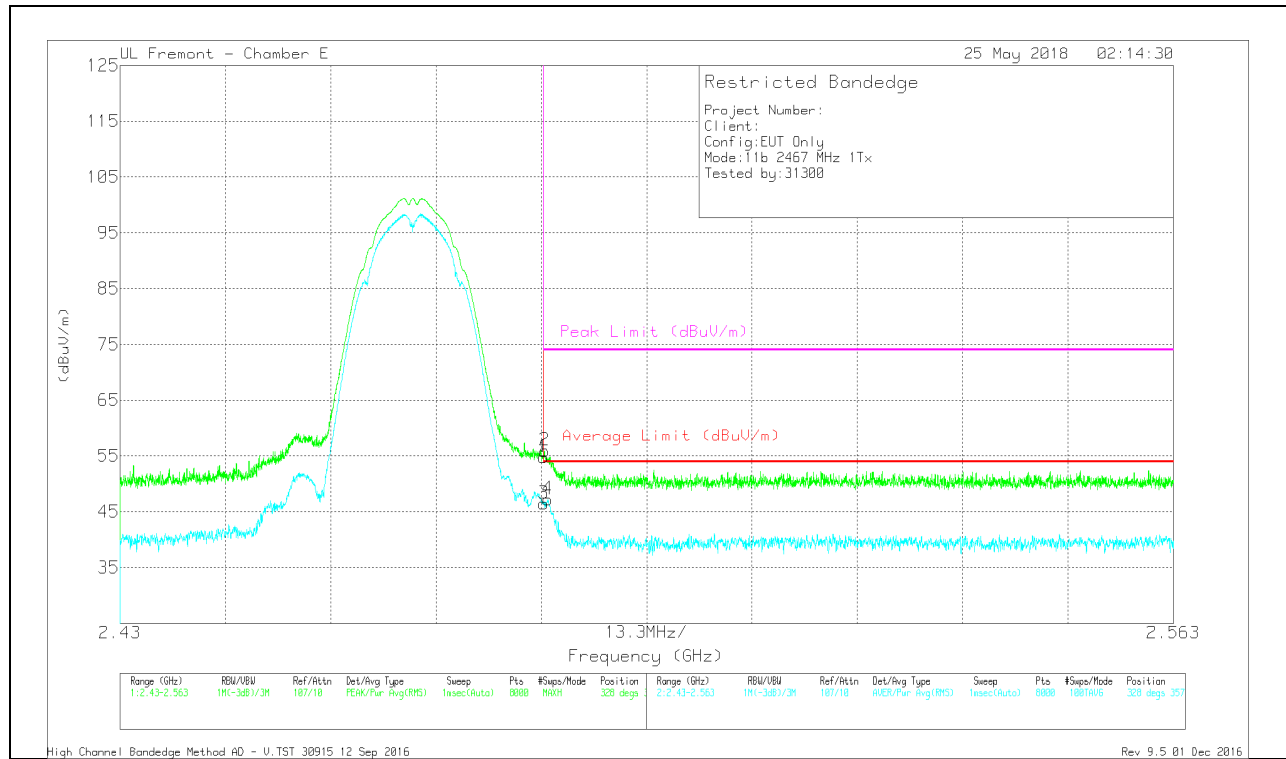
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.12	Pk	32.1	-22.3	57.92	-	-	74	-16.08	31	104	H
2	* 2.484	48.23	Pk	32.1	-22.3	58.03	-	-	74	-15.97	31	104	H
3	* 2.484	39.99	RMS	32.1	-22.3	49.79	54	-4.21	-	-	31	104	H
4	* 2.484	40.74	RMS	32.1	-22.3	50.54	54	-3.46	-	-	31	104	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	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	45	Pk	32.1	-22.3	54.8	-	-	74	-19.2	328	357	V
2	* 2.484	46.16	Pk	32.1	-22.3	55.96	-	-	74	-18.04	328	357	V
3	* 2.484	36.65	RMS	32.1	-22.3	46.45	54	-7.55	-	-	328	357	V
4	* 2.484	37.44	RMS	32.1	-22.3	47.24	54	-6.76	-	-	328	357	V

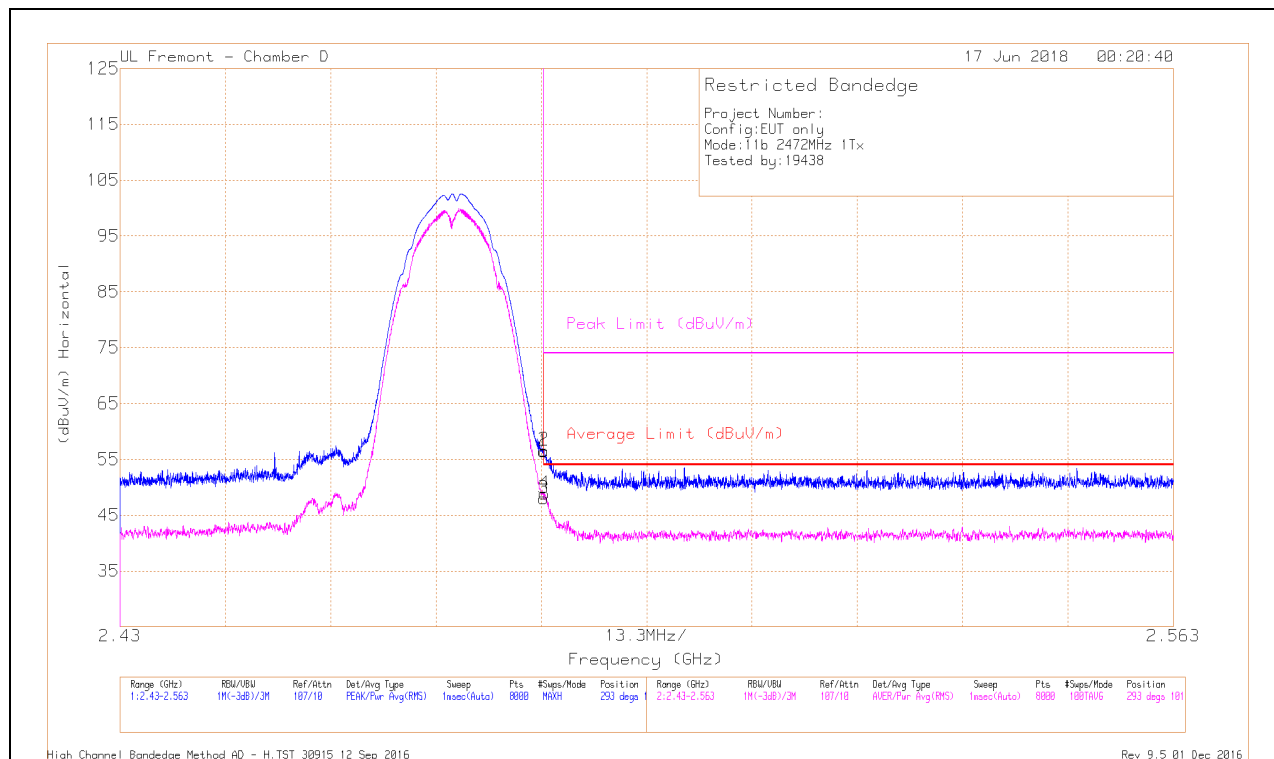
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



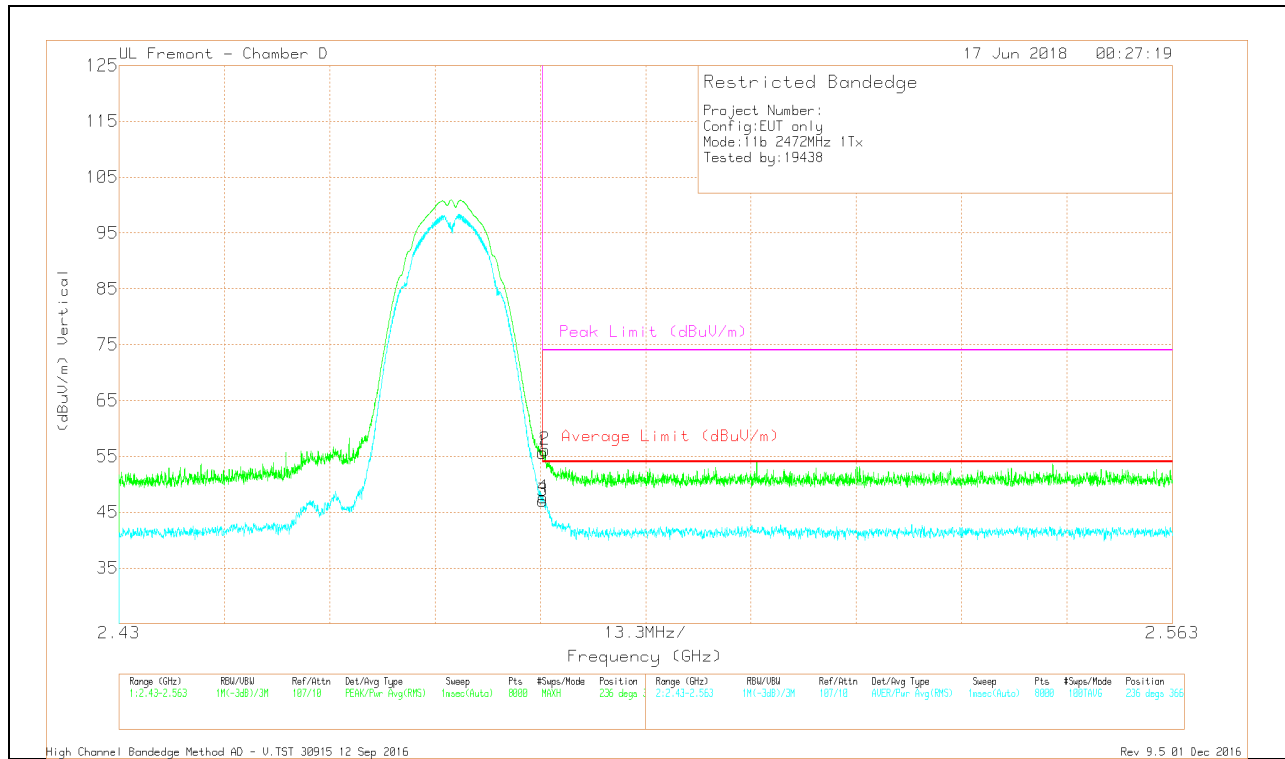
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.41	Pk	32.4	-20.4	56.41	-	-	74	-17.59	293	101	H
2	* 2.484	44.7	Pk	32.4	-20.5	56.6	-	-	74	-17.4	293	101	H
3	* 2.484	35.99	RMS	32.4	-20.4	47.99	54	-6.01	-	-	293	101	H
4	* 2.484	36.93	RMS	32.4	-20.5	48.83	54	-5.17	-	-	293	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dBm)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.66	Pk	32.4	-20.4	55.66	-	-	74	-18.34	236	366	V
2	* 2.484	44.24	Pk	32.4	-20.5	56.14	-	-	74	-17.86	236	366	V
3	* 2.484	35.02	RMS	32.4	-20.4	47.02	54	-6.98	-	-	236	366	V
4	* 2.484	35.73	RMS	32.4	-20.5	47.63	54	-6.37	-	-	236	366	V

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

Pk - Peak detector

RMS - RMS detection