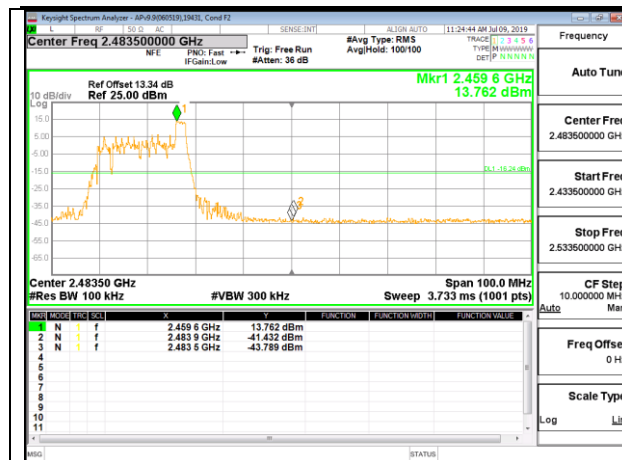
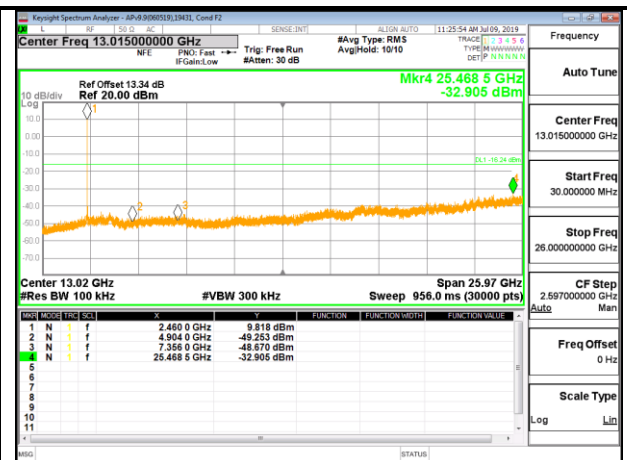
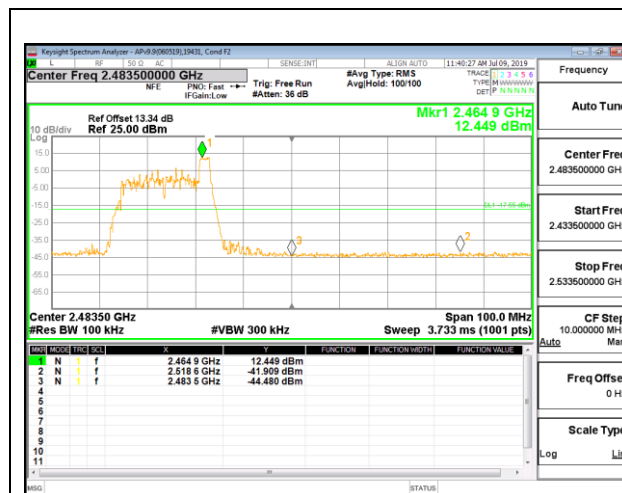




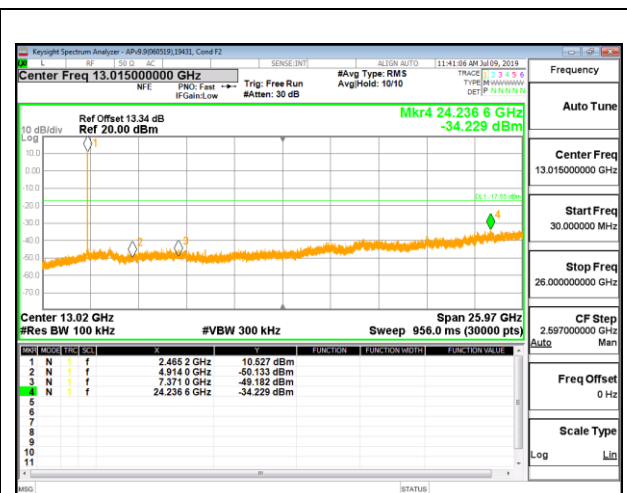
HIGH CHANNEL 9 BANDEDGE ANT 3



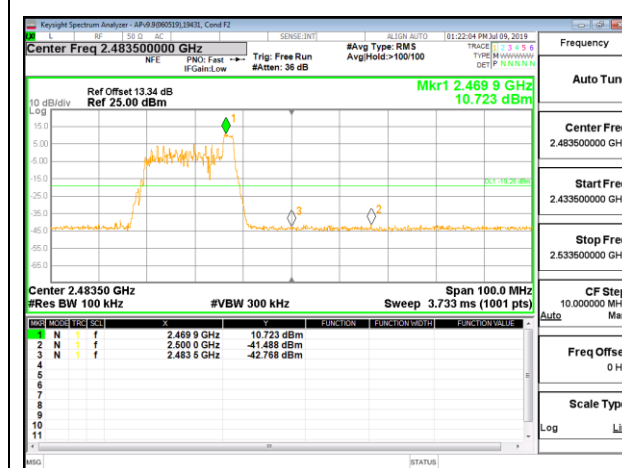
OUT-OF-BAND HIGH CHANNEL 9 ANT 3



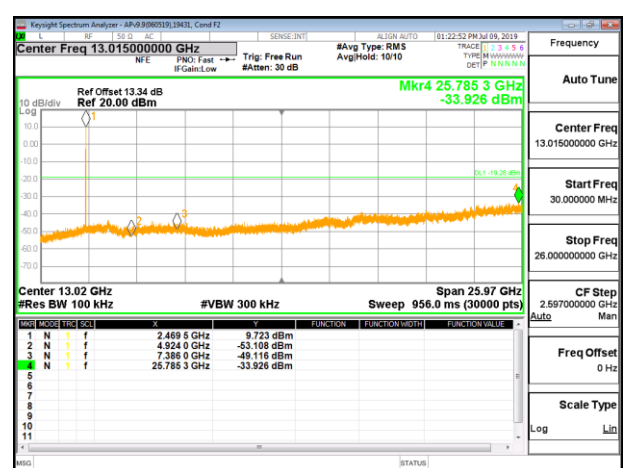
HIGH CHANNEL 10 BANDEDGE ANT 3



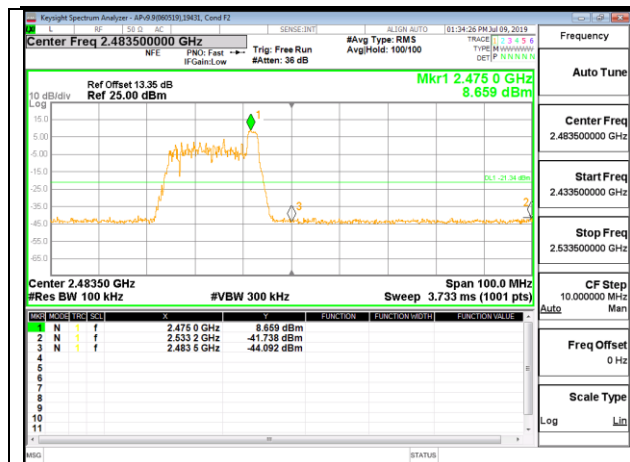
OUT-OF-BAND HIGH CHANNEL 10 ANT 3



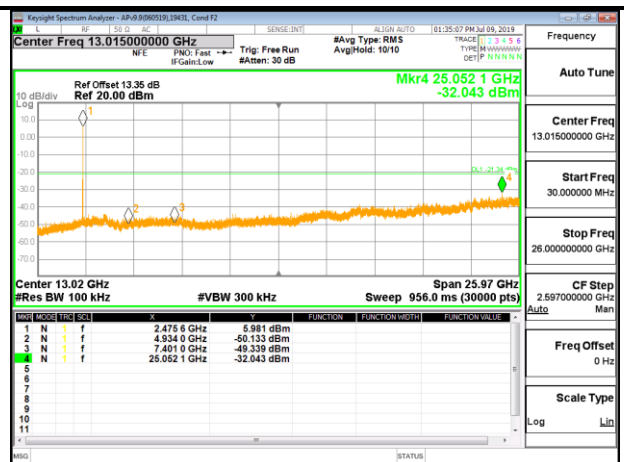
HIGH CHANNEL 11 BANDEDGE ANT 3



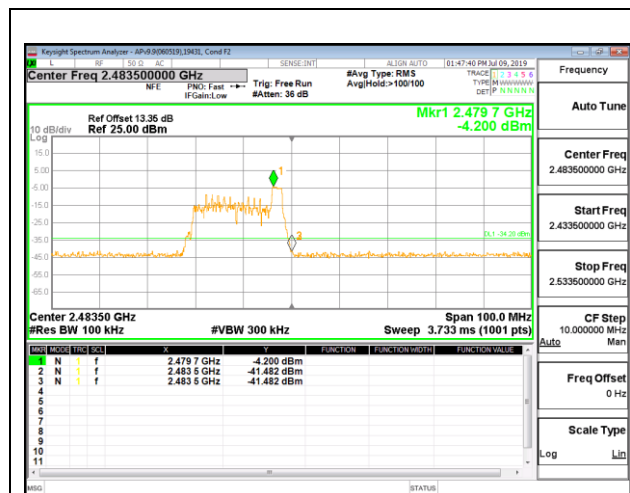
OUT-OF-BAND HIGH CHANNEL 11 ANT 3



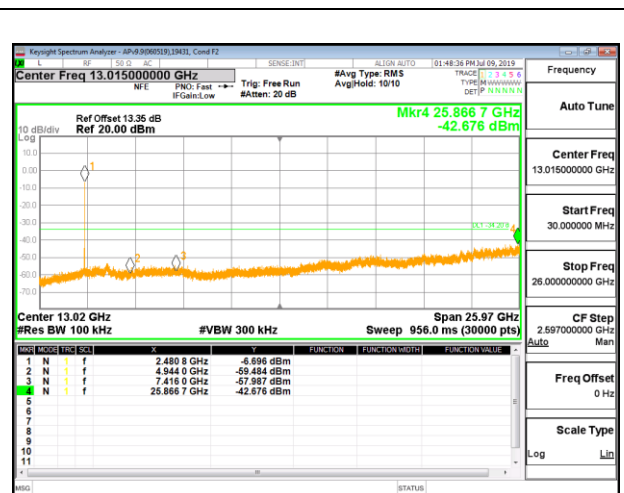
HIGH CHANNEL 12 BANDEDGE ANT 3



OUT-OF-BAND HIGH CHANNEL 12 ANT 3

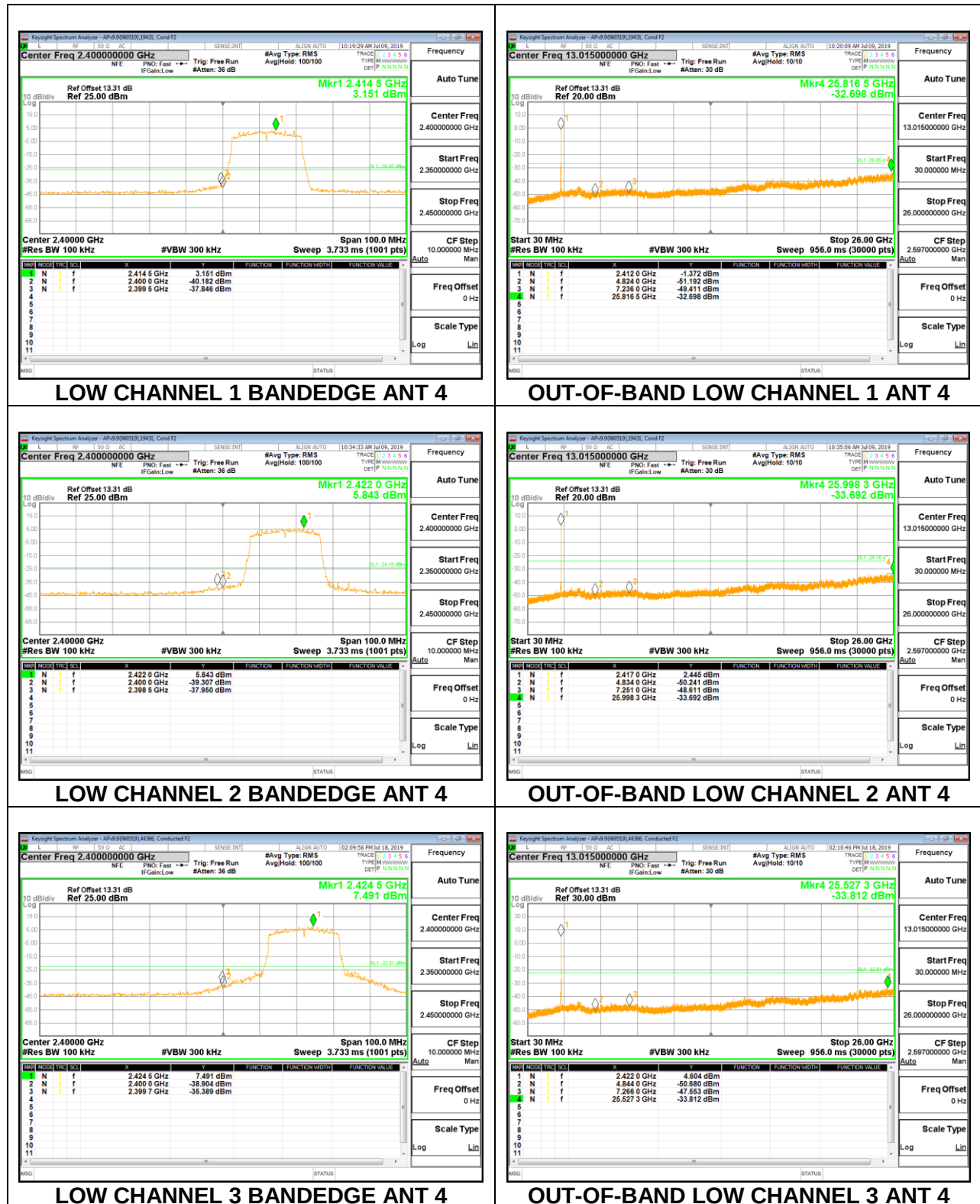


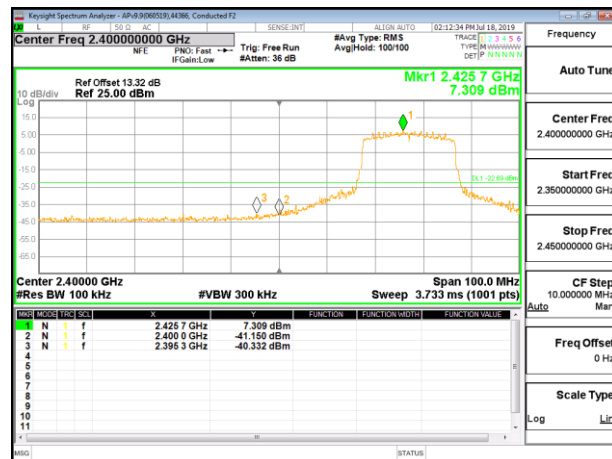
HIGH CHANNEL 13 BANDEDGE ANT 3



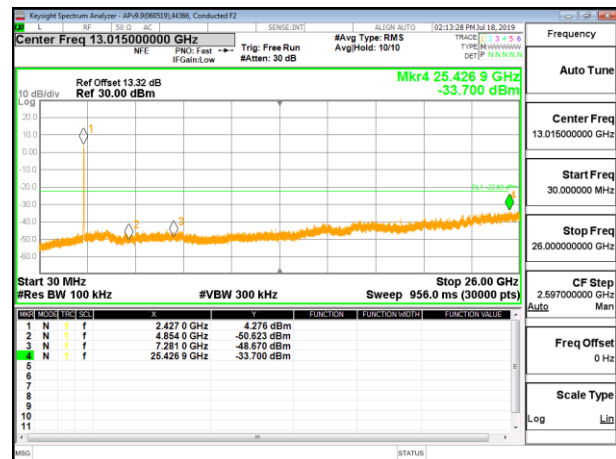
OUT-OF-BAND HIGH CHANNEL 13 ANT 3

Antenna 4 + Antenna 3 2TX MODE: 242-Tones, RU Index 61

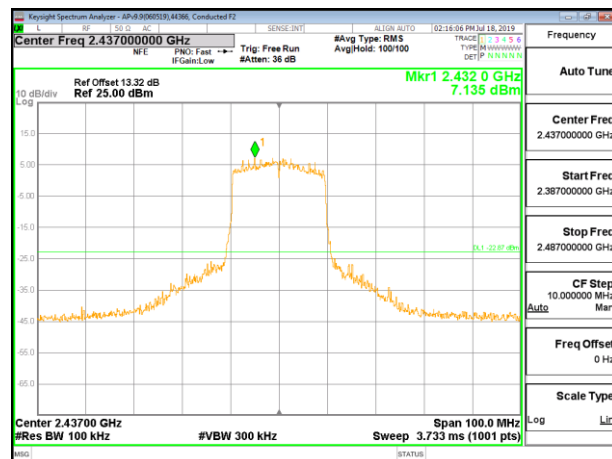




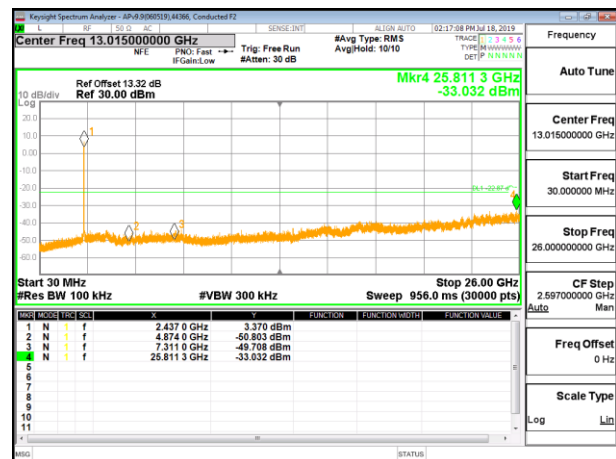
LOW CHANNEL 4 BANDEDGE ANT 4



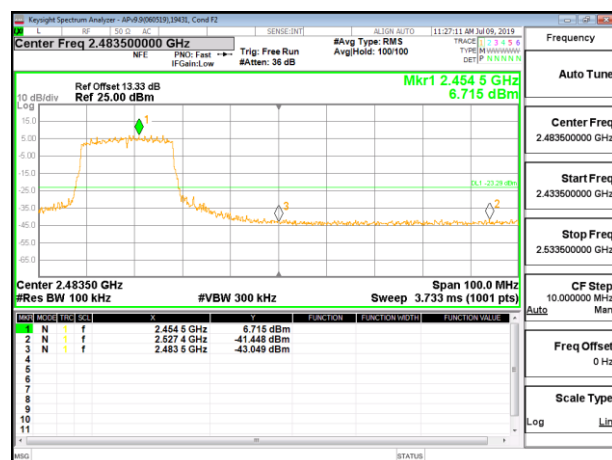
OUT-OF-BAND LOW CHANNEL 4 ANT 4



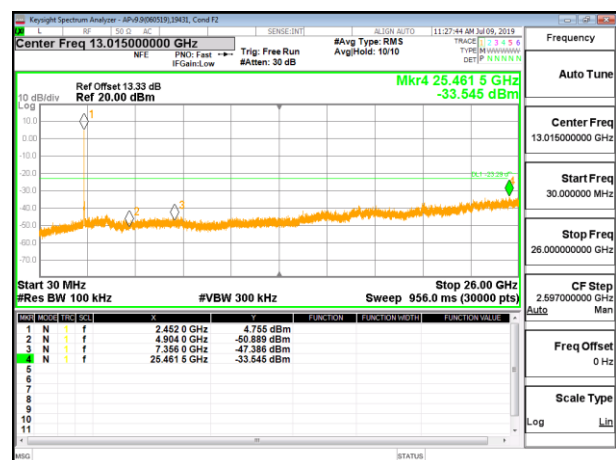
IN-BAND REFERENCE LEVEL ANT 4



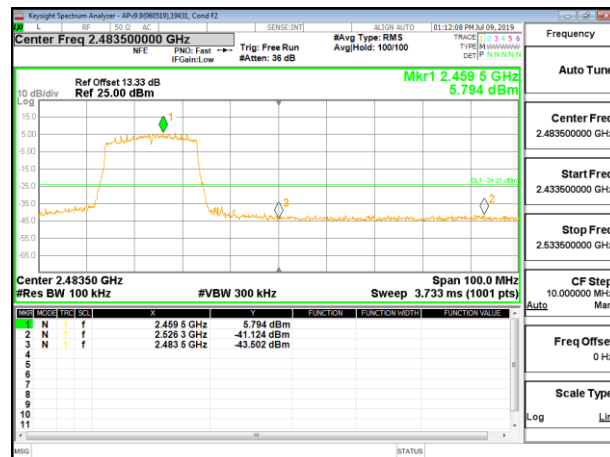
OUT-OF-BAND MID CHANNEL ANT 4



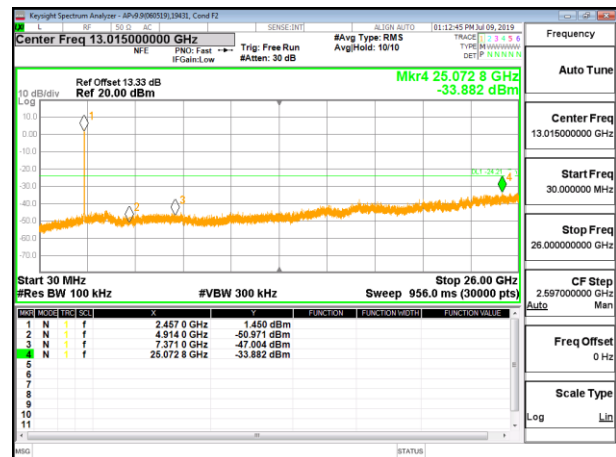
HIGH CHANNEL 9 BANDEDGE ANT 4



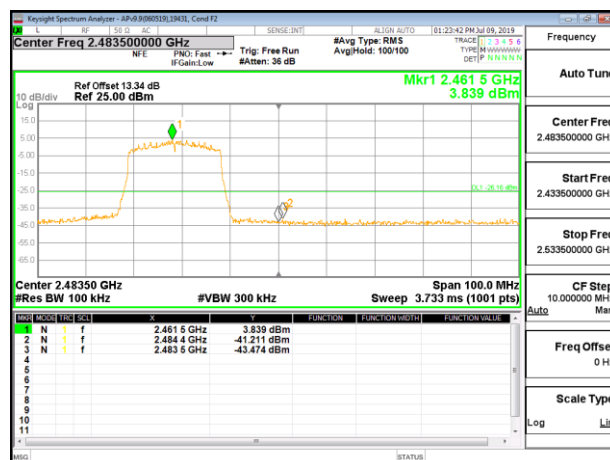
OUT-OF-BAND HIGH CHANNEL 9 ANT 4



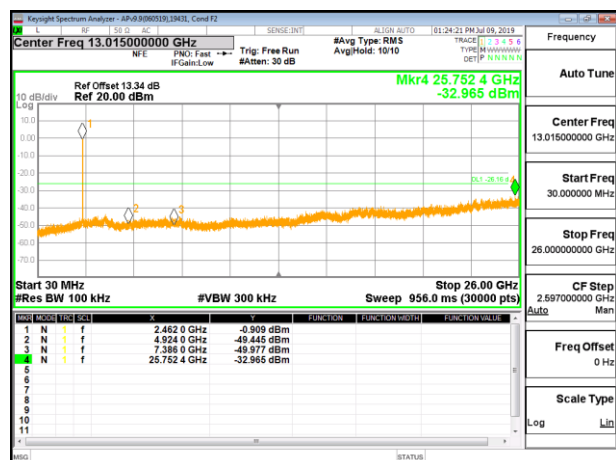
HIGH CHANNEL 10 BANDEDGE ANT 4



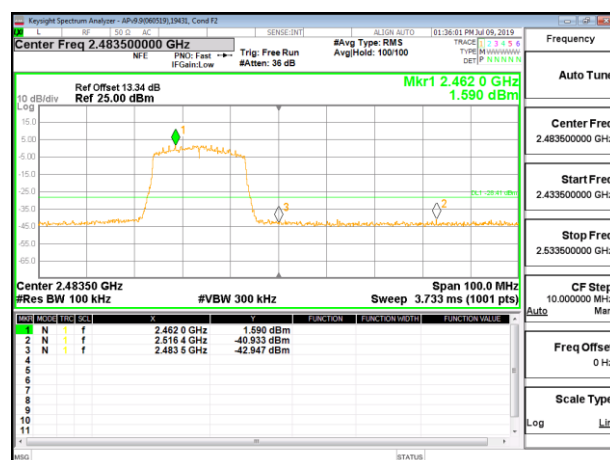
OUT-OF-BAND HIGH CHANNEL 10 ANT 4



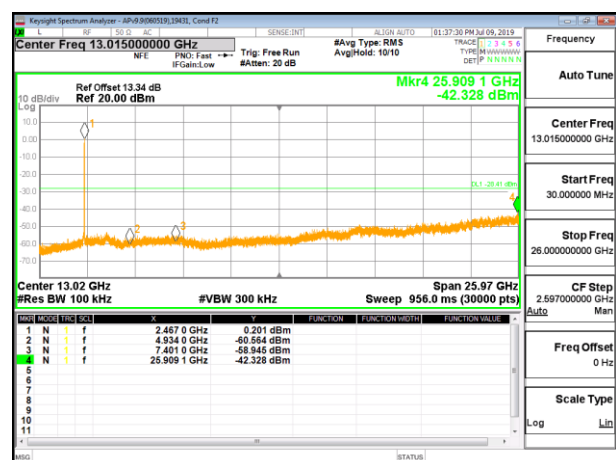
HIGH CHANNEL 11 BANDEDGE ANT 4



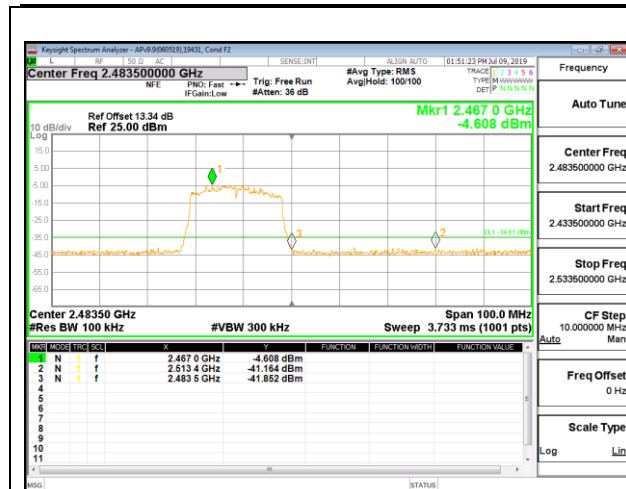
OUT-OF-BAND HIGH CHANNEL 11 ANT 4



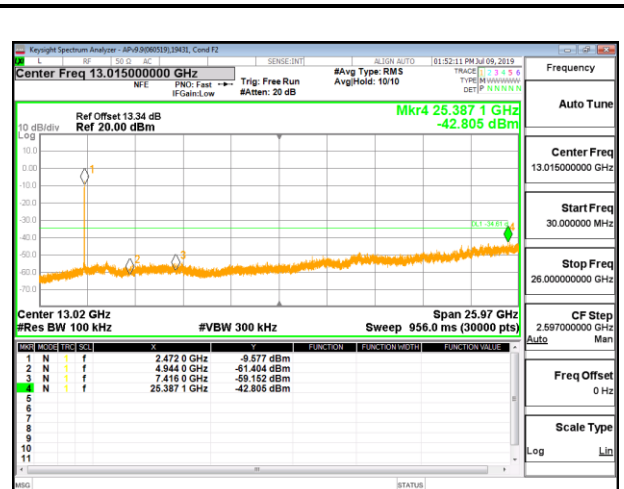
HIGH CHANNEL 12 BANDEDGE ANT 4



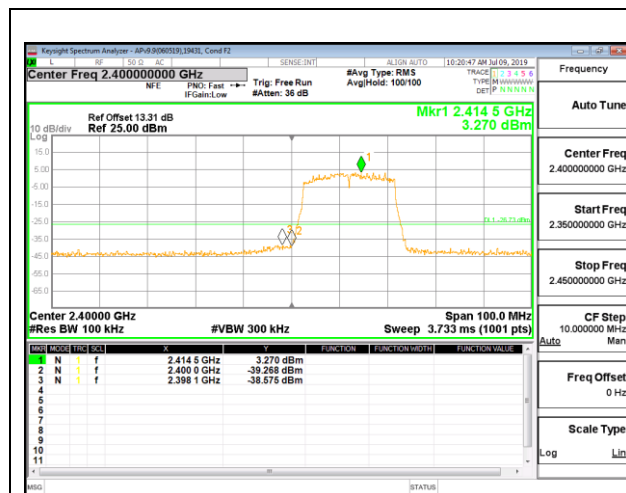
OUT-OF-BAND HIGH CHANNEL 12 ANT 4



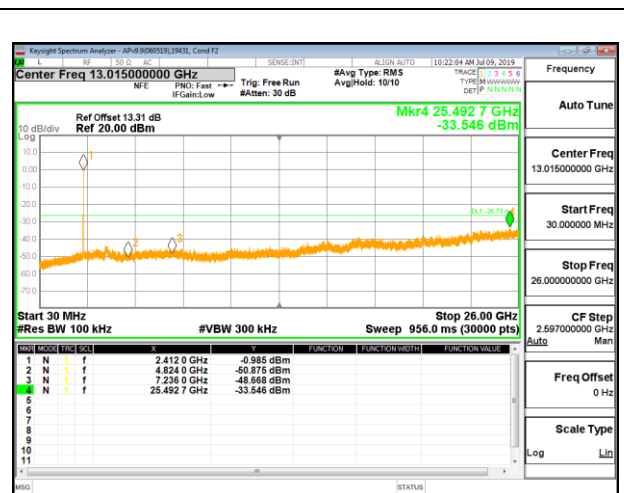
HIGH CHANNEL 13 BANDEGE ANT 40



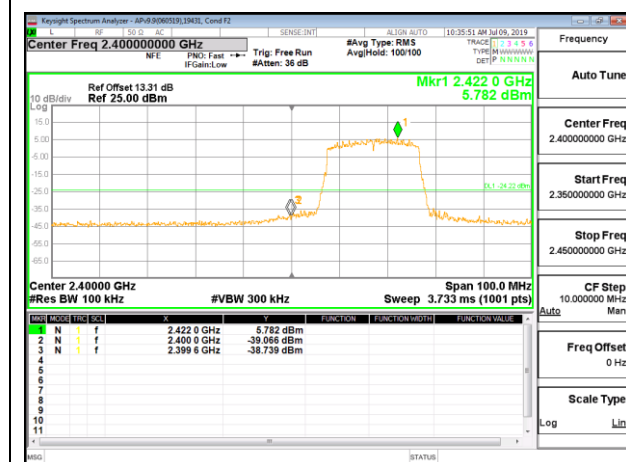
OUT-OF-BAND HIGH CHANNEL 13 ANT 4



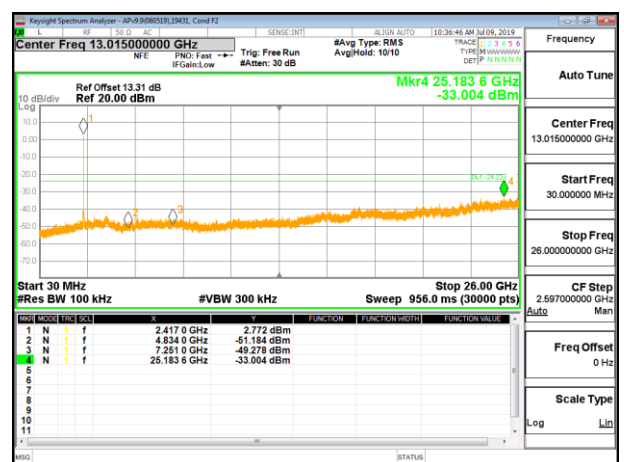
LOW CHANNEL 1 BANDEGE ANT 3



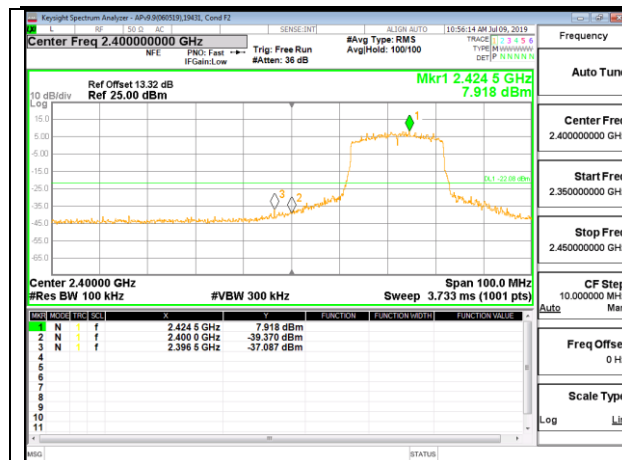
OUT-OF-BAND LOW CHANNEL 1 ANT 3



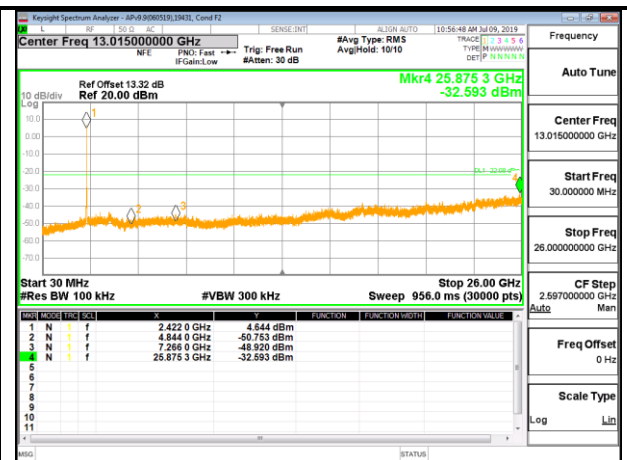
LOW CHANNEL 2 BANDEGE ANT 3



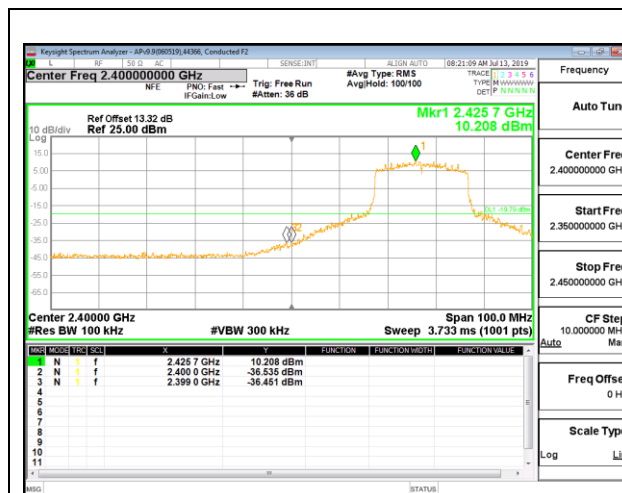
OUT-OF-BAND LOW CHANNEL 2 ANT 3



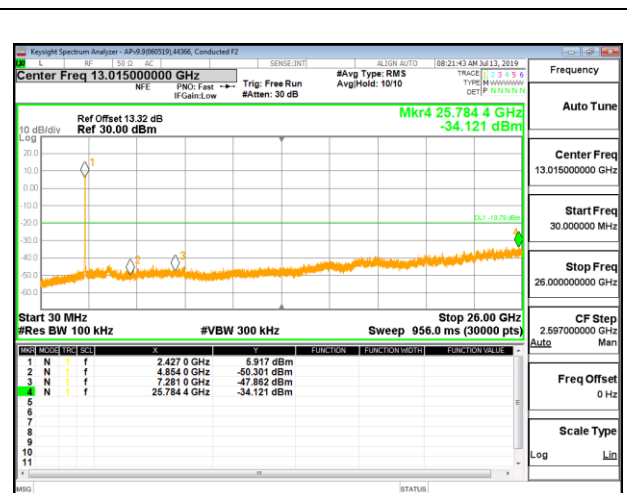
LOW CHANNEL 3 BANDEDGE ANT 3



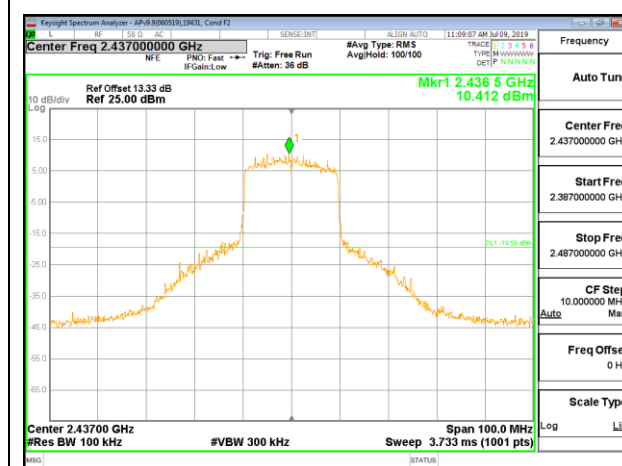
OUT-OF-BAND LOW CHANNEL 3 ANT 3



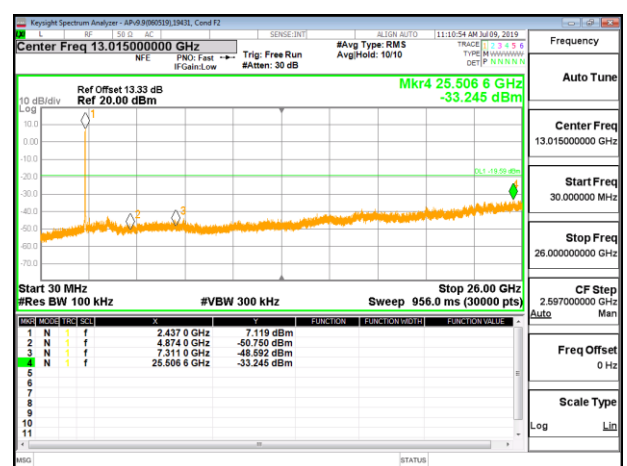
LOW CHANNEL 4 BANDEDGE ANT 3



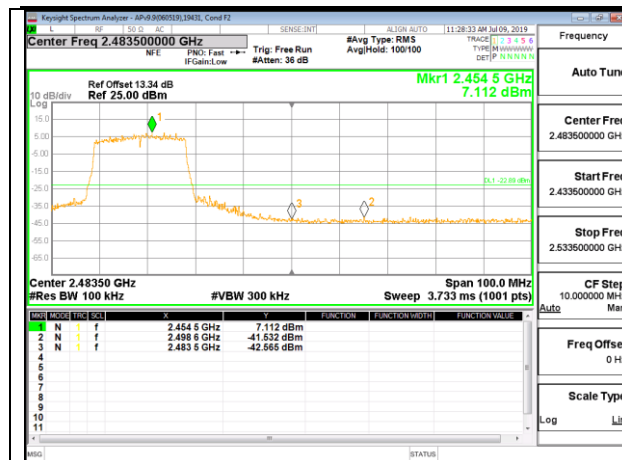
OUT-OF-BAND LOW CHANNEL 4 ANT 3



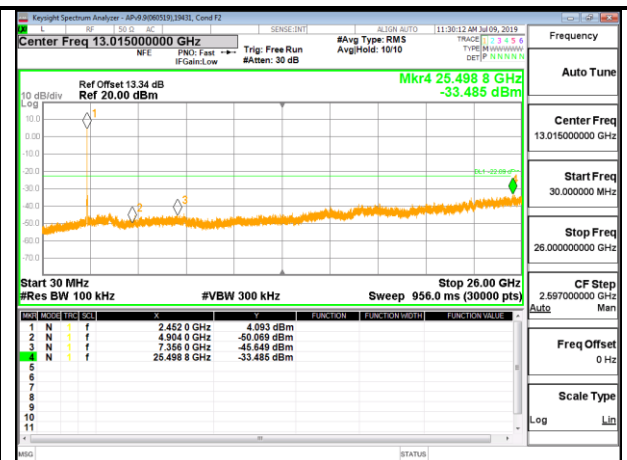
IN-BAND REFERENCE LEVEL ANT 3



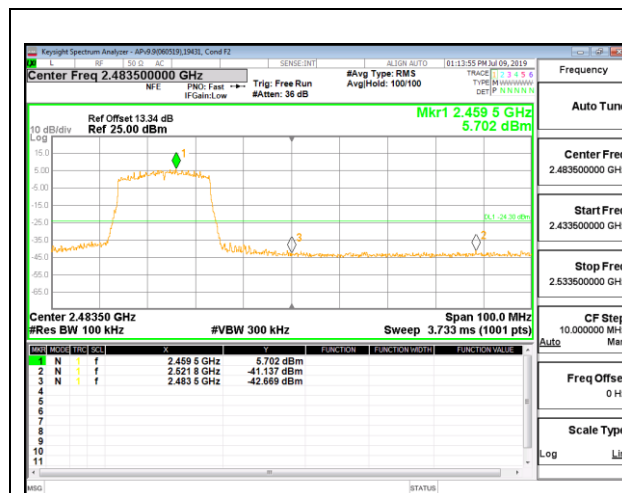
OUT-OF-BAND MID CHANNEL ANT 3



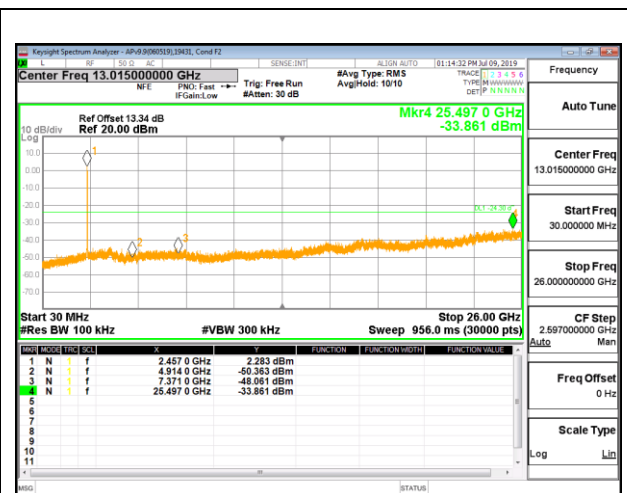
HIGH CHANNEL 9 BANDEGE ANT 3



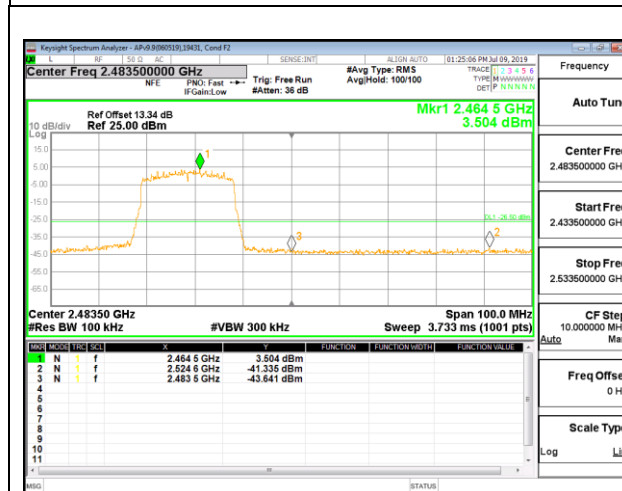
OUT-OF-BAND HIGH CHANNEL 9 ANT 3



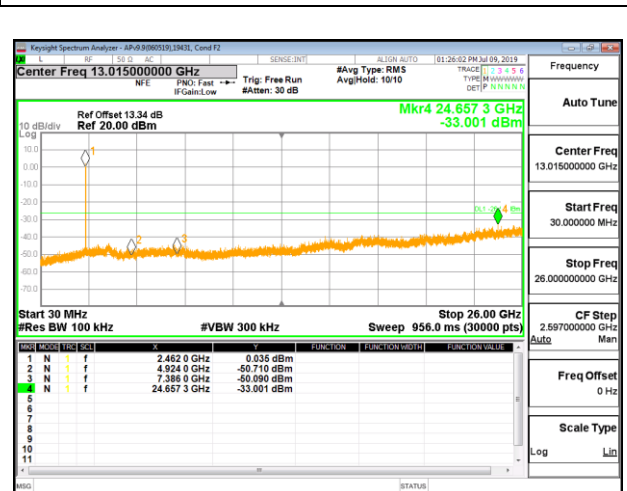
HIGH CHANNEL 10 BANDEGE ANT 3



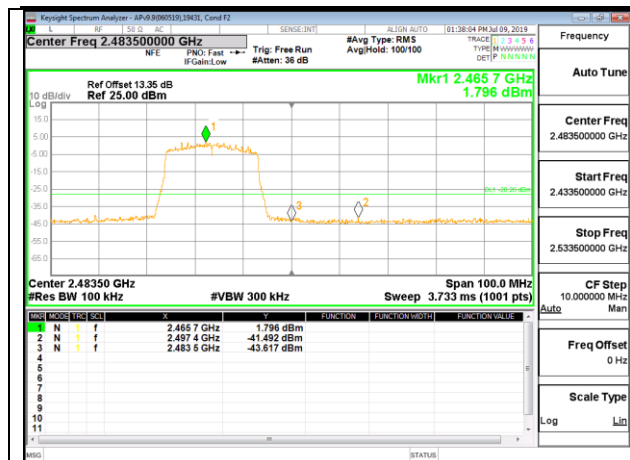
OUT-OF-BAND HIGH CHANNEL 10 ANT 3



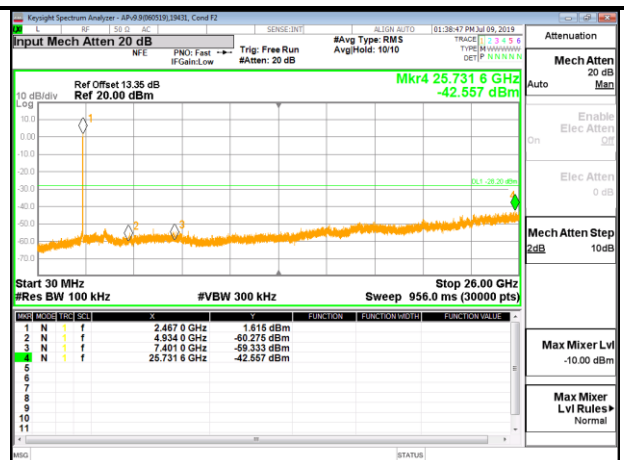
HIGH CHANNEL 11 BANDEGE ANT 3



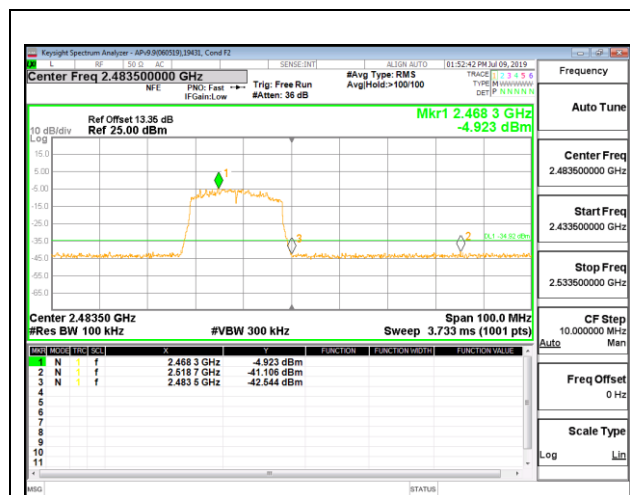
OUT-OF-BAND HIGH CHANNEL 11 ANT 3



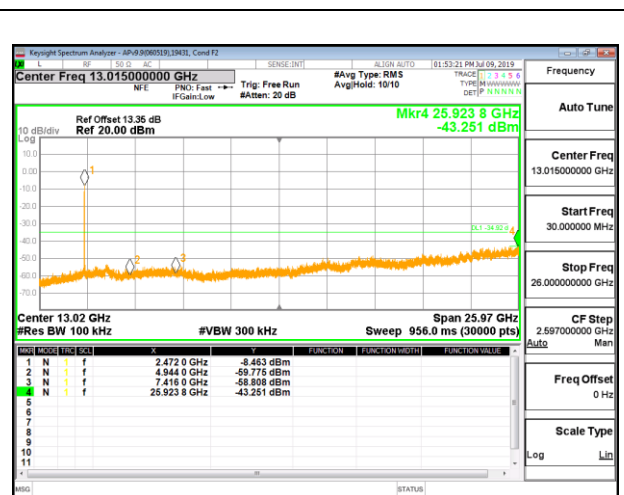
HIGH CHANNEL 12 BANDEDGE ANT 3



OUT-OF-BAND HIGH CHANNEL 12 ANT 3



HIGH CHANNEL 13 BANDEDGE ANT 3



OUT-OF-BAND HIGH CHANNEL 13 ANT 3

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.

For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

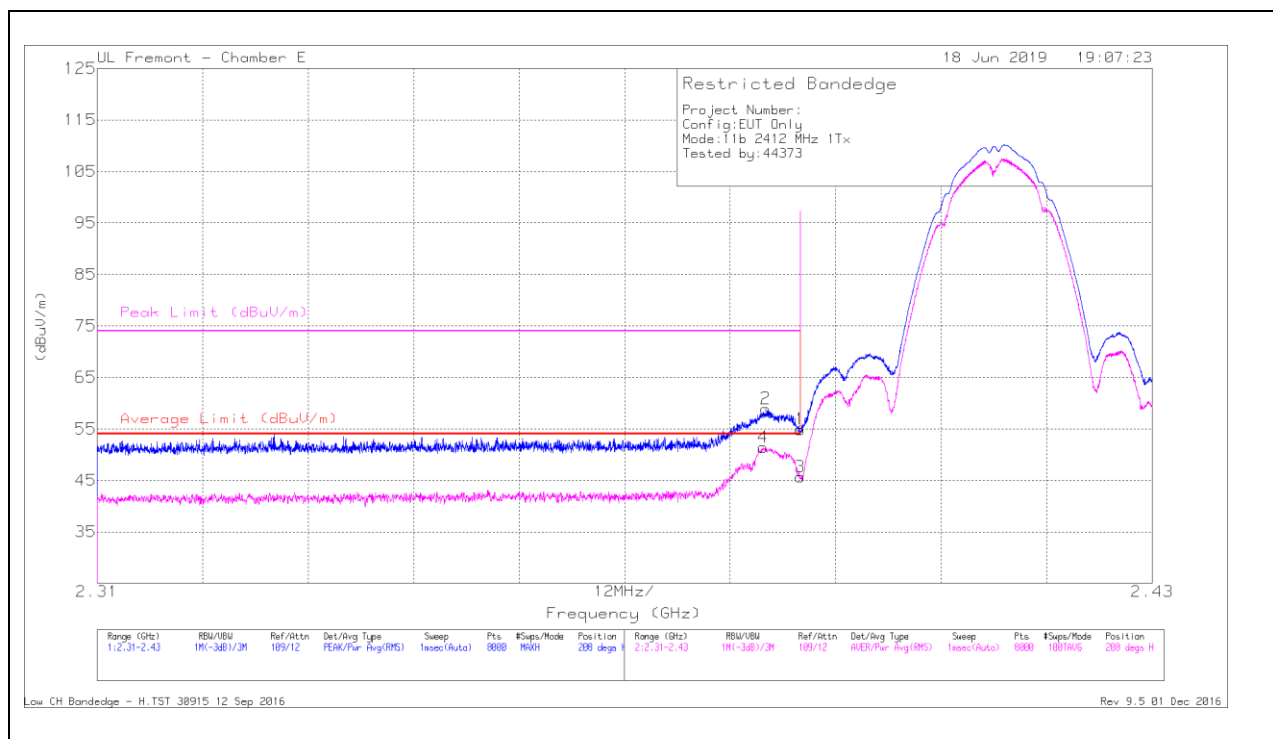
9.1. TRANSMITTER ABOVE 1 GHz

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

1TX Antenna 4 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



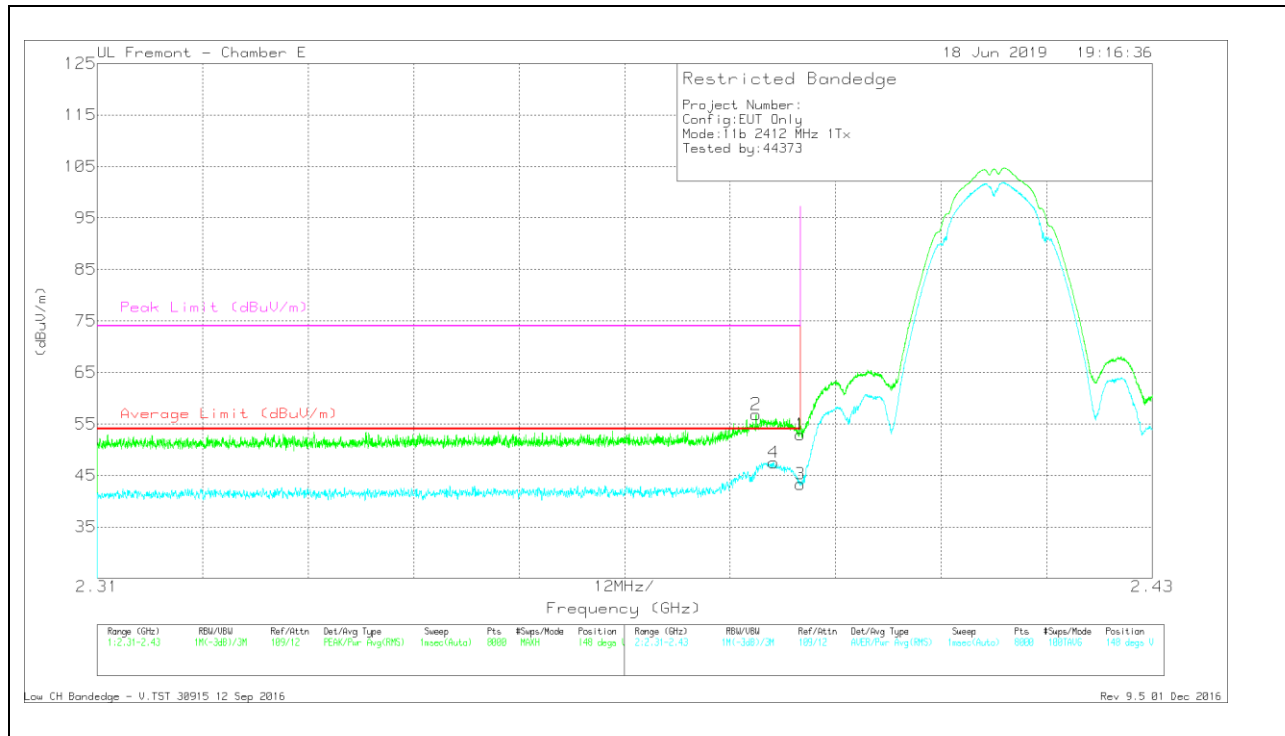
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.9	Pk	32.3	-18.3	54.9	-	-	74	-19.1	208	116	H
2	* 2.386	44.93	Pk	32.3	-18.3	58.93	-	-	74	-15.07	208	116	H
3	* 2.39	31.69	RMS	32.3	-18.3	45.69	54	-8.31	-	-	208	116	H
4	* 2.386	37.3	RMS	32.3	-18.2	51.4	54	-2.6	-	-	208	116	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 T119 (dB/m)	Amp/Ch/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	38.94	Pk	32.3	-18.3	52.94	-	-	74	-21.06	148	400	V
2	* 2.385	42.72	Pk	32.3	-18.2	56.82	-	-	74	-17.18	148	400	V
3	* 2.39	29.31	RMS	32.3	-18.3	43.31	54	-10.69	-	-	148	400	V
4	* 2.387	33.48	RMS	32.3	-18.3	47.48	54	-6.52	-	-	148	400	V

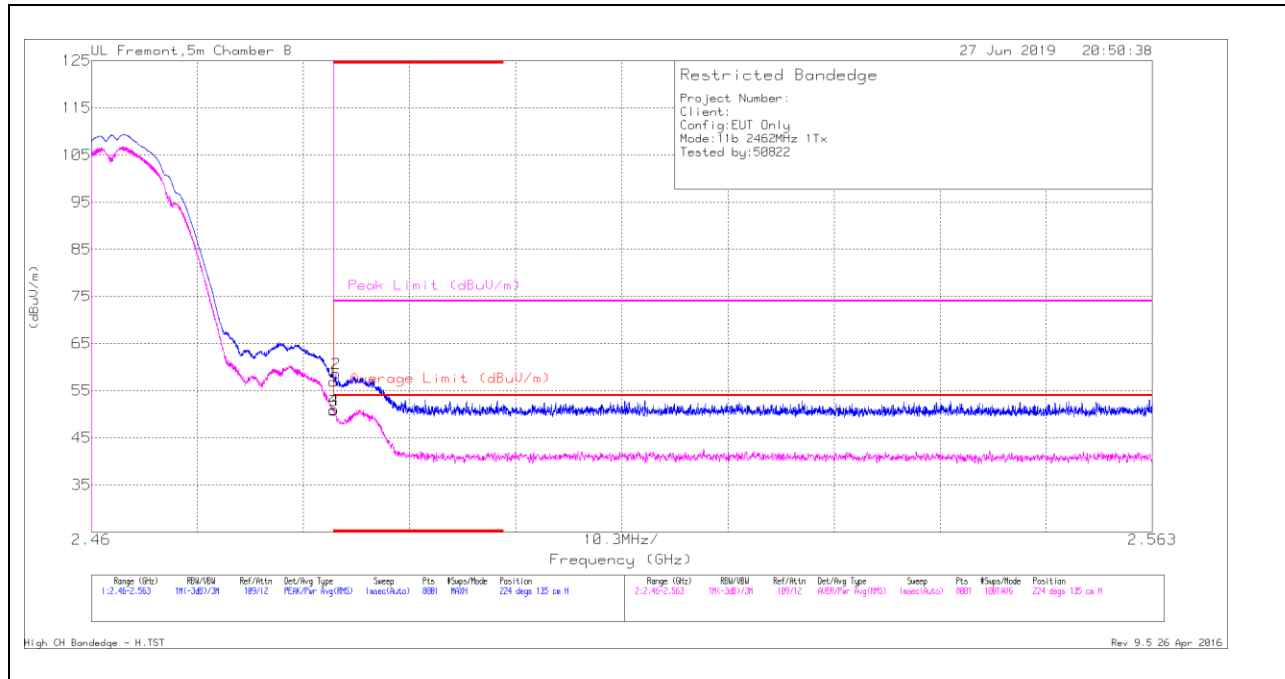
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



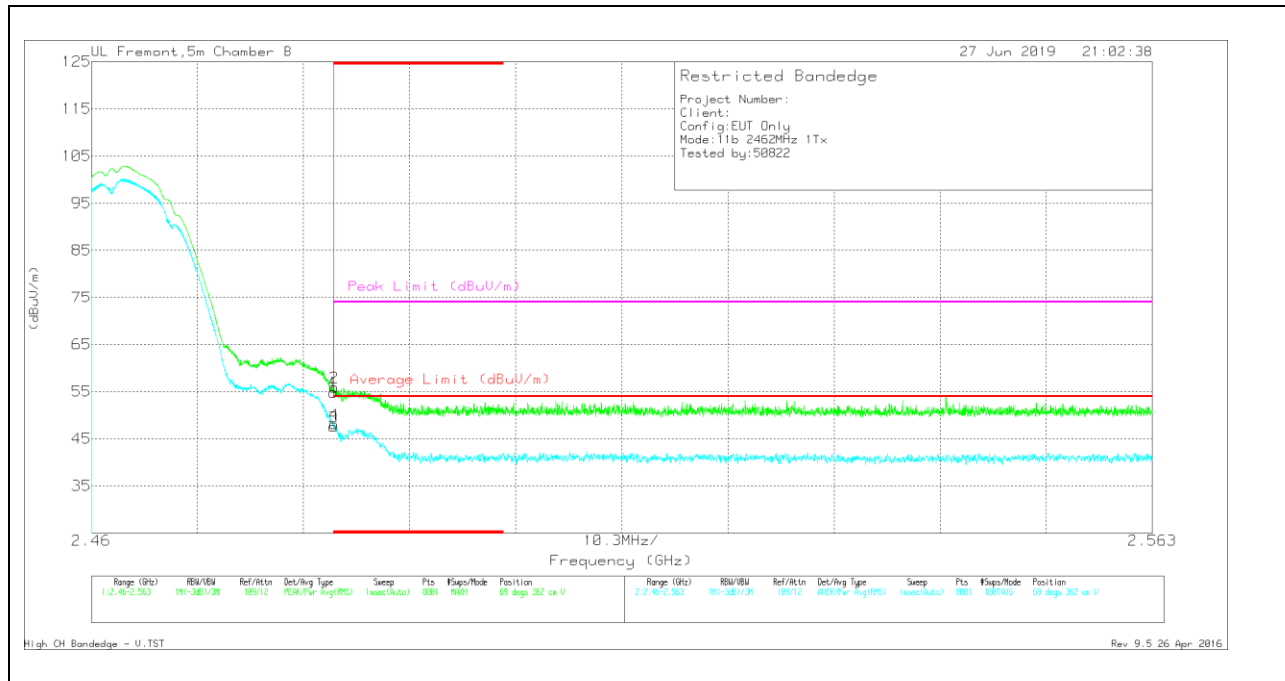
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.5	Pk	32.3	-18.9	56.9	-	-	74	-17.1	224	135	H
2	* 2.484	45.25	Pk	32.3	-18.9	58.65	-	-	74	-15.35	224	135	H
3	* 2.484	37.37	RMS	32.3	-18.9	50.77	54	-3.23	-	-	224	135	H
4	* 2.484	37.57	RMS	32.3	-18.9	50.97	54	-3.03	-	-	224	135	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 T344 (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	41.45	Pk	32.3	-18.9	54.85	-	-	74	-19.15	69	362	V
2	* 2.484	42.55	Pk	32.3	-18.9	55.95	-	-	74	-18.05	69	362	V
3	* 2.484	34.15	RMS	32.3	-18.9	47.55	54	-6.45	-	-	69	362	V
4	* 2.484	34.7	RMS	32.3	-18.9	48.1	54	-5.9	-	-	69	362	V

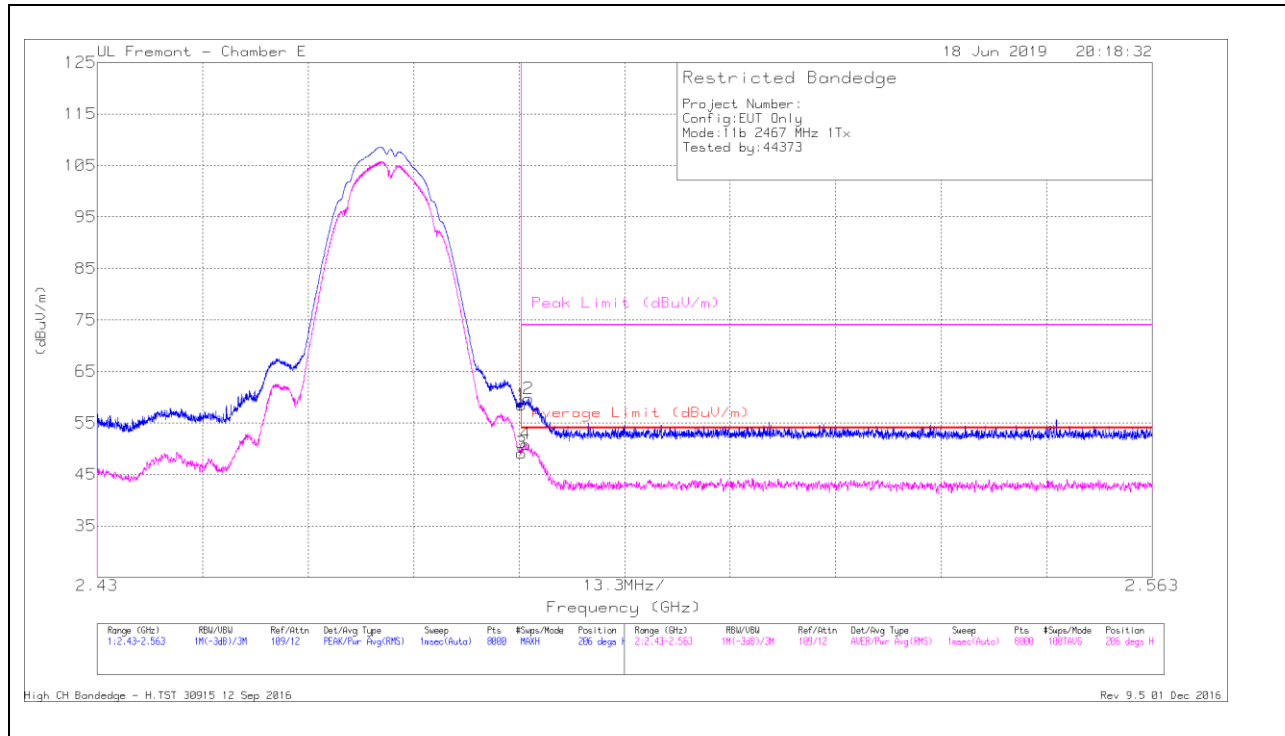
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



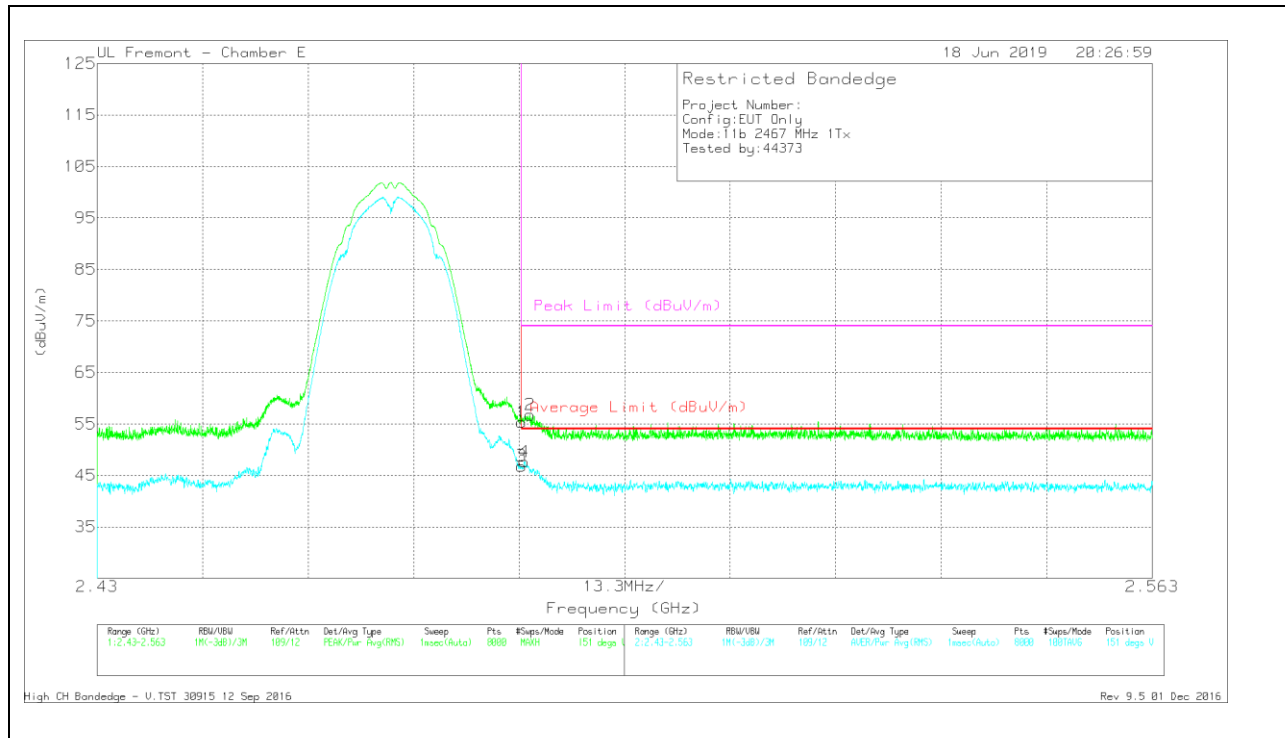
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.79	Pk	32.8	-18.1	58.49	-	-	74	-15.51	206	108	H
2	* 2.484	45.02	Pk	32.8	-18.1	59.72	-	-	74	-14.28	206	108	H
3	* 2.484	34.46	RMS	32.8	-18.1	49.16	54	-4.84	-	-	206	108	H
4	* 2.484	36.17	RMS	32.8	-18.1	50.87	54	-3.13	-	-	206	108	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 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	* 2.484	40.64	Pk	32.8	-18.1	55.34	-	-	74	-18.66	151	362	V
2	* 2.485	42.05	Pk	32.8	-18.1	56.75	-	-	74	-17.25	151	362	V
3	* 2.484	32.1	RMS	32.8	-18.1	46.8	54	-7.2	-	-	151	362	V
4	* 2.484	32.92	RMS	32.8	-18.1	47.62	54	-6.38	-	-	151	362	V

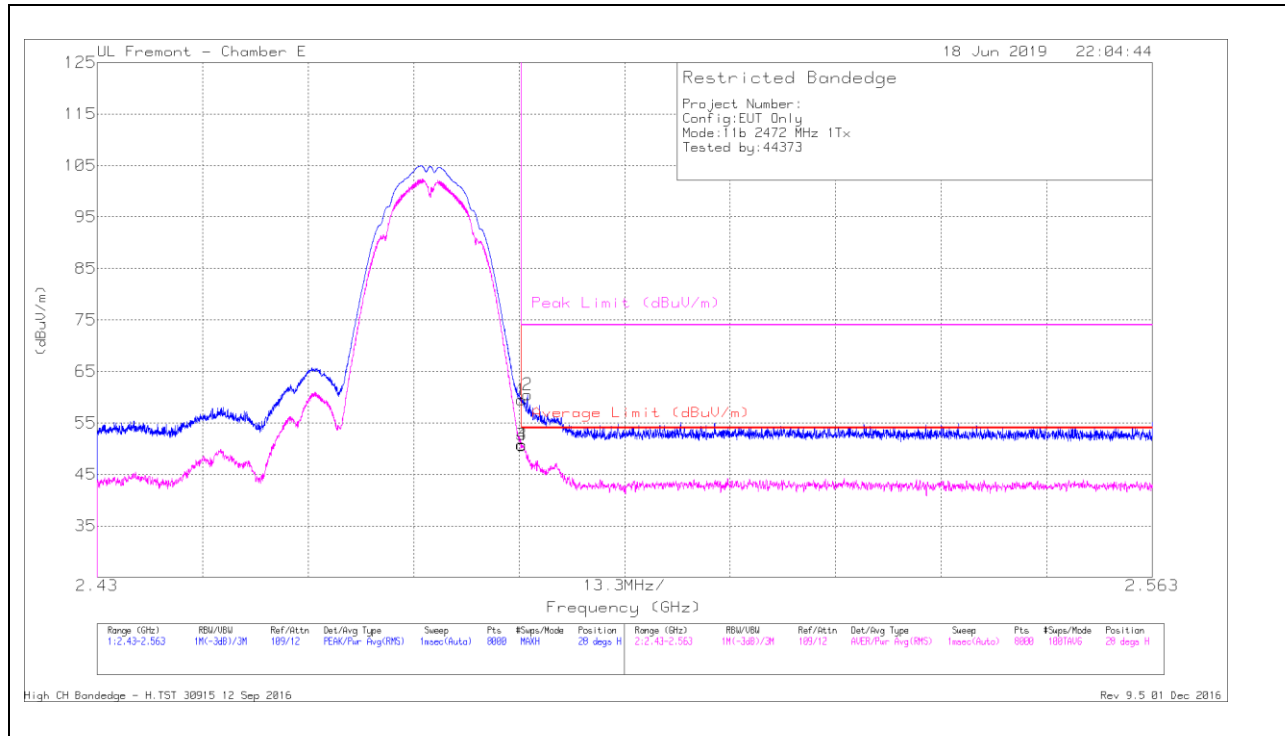
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



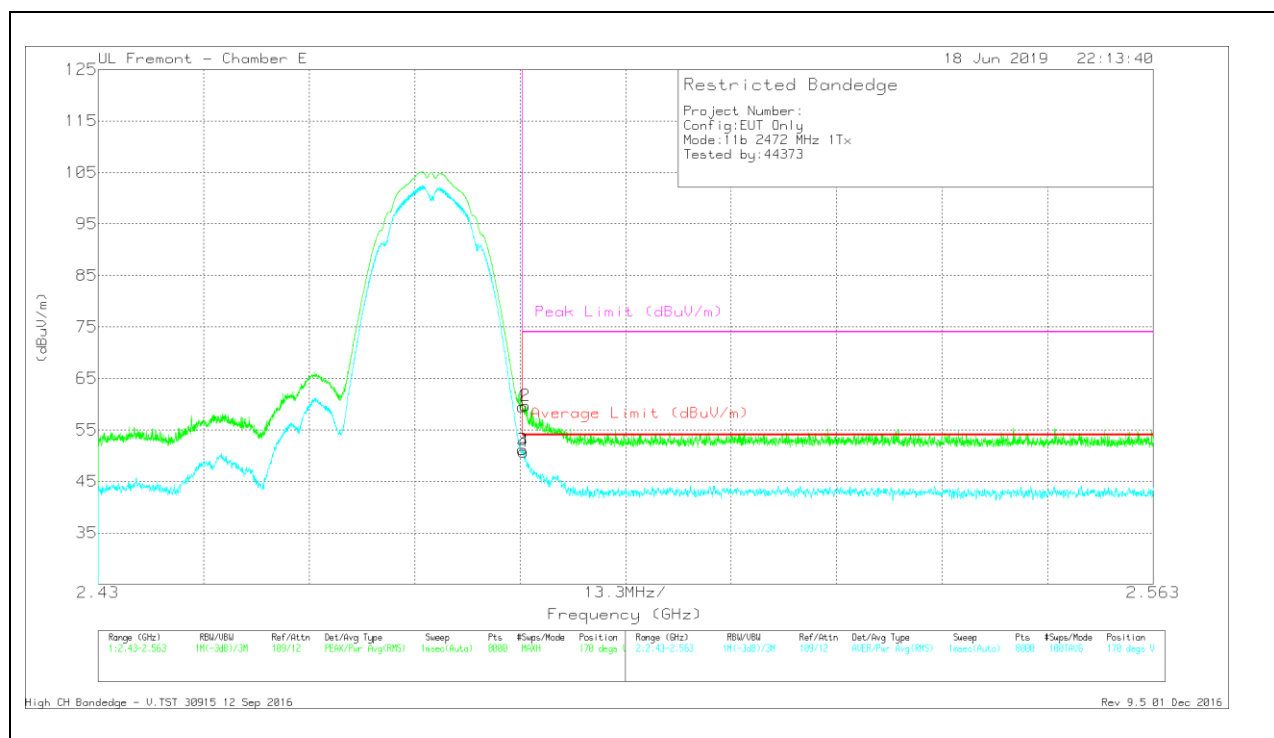
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.79	Pk	32.8	-18.1	59.49	-	-	74	-14.51	28	251	H
2	* 2.484	45.78	Pk	32.8	-18.1	60.48	-	-	74	-13.52	28	251	H
3	* 2.484	36.07	RMS	32.8	-18.1	50.77	54	-3.23	-	-	28	251	H
4	* 2.484	35.95	RMS	32.8	-18.1	50.65	54	-3.35	-	-	28	251	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 T119 (dB/m)	Amp/Cb/Filtr/Par d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.76	Pk	32.8	-18.1	59.46	-	-	74	-14.54	170	370	V
2	* 2.484	45.02	Pk	32.8	-18.1	59.72	-	-	74	-14.28	170	370	V
3	* 2.484	36.45	RMS	32.8	-18.1	51.15	54	-2.85	-	-	170	370	V
4	* 2.484	36.07	RMS	32.8	-18.1	50.77	54	-3.23	-	-	170	370	V

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

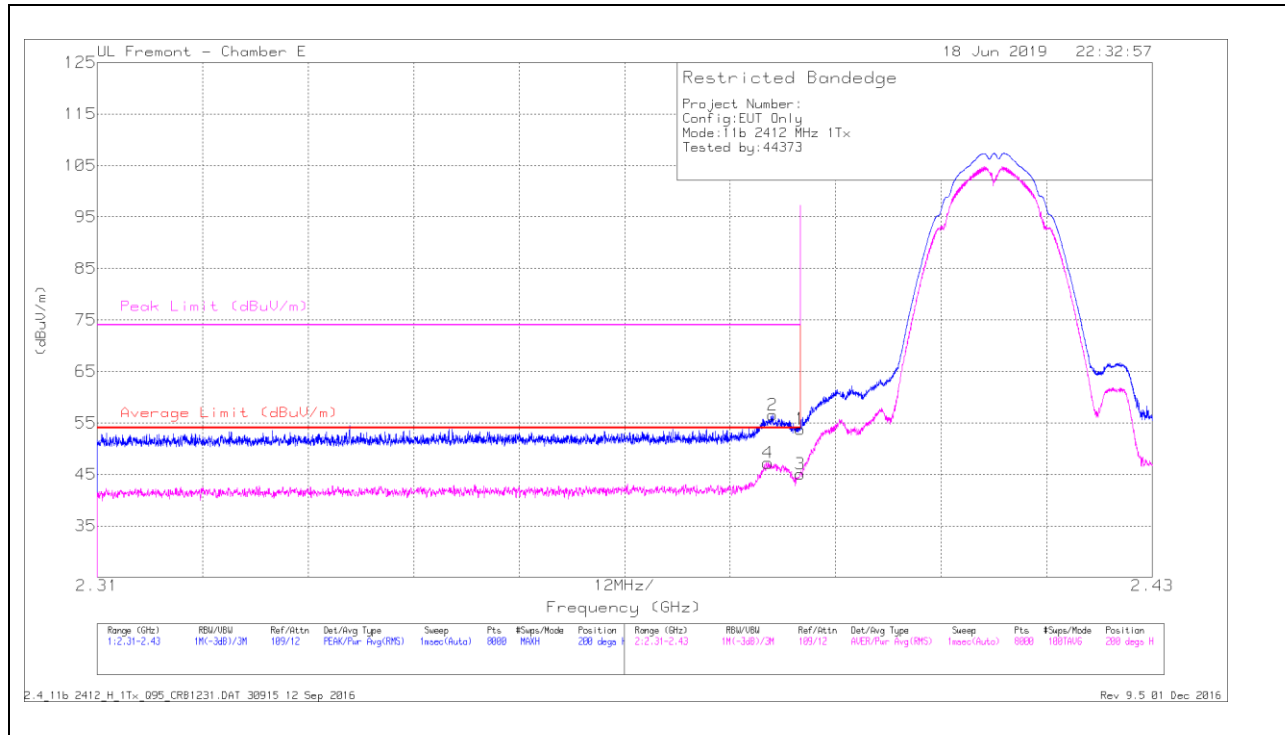
Pk - Peak detector

RMS - RMS detection

1TX Antenna 3 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



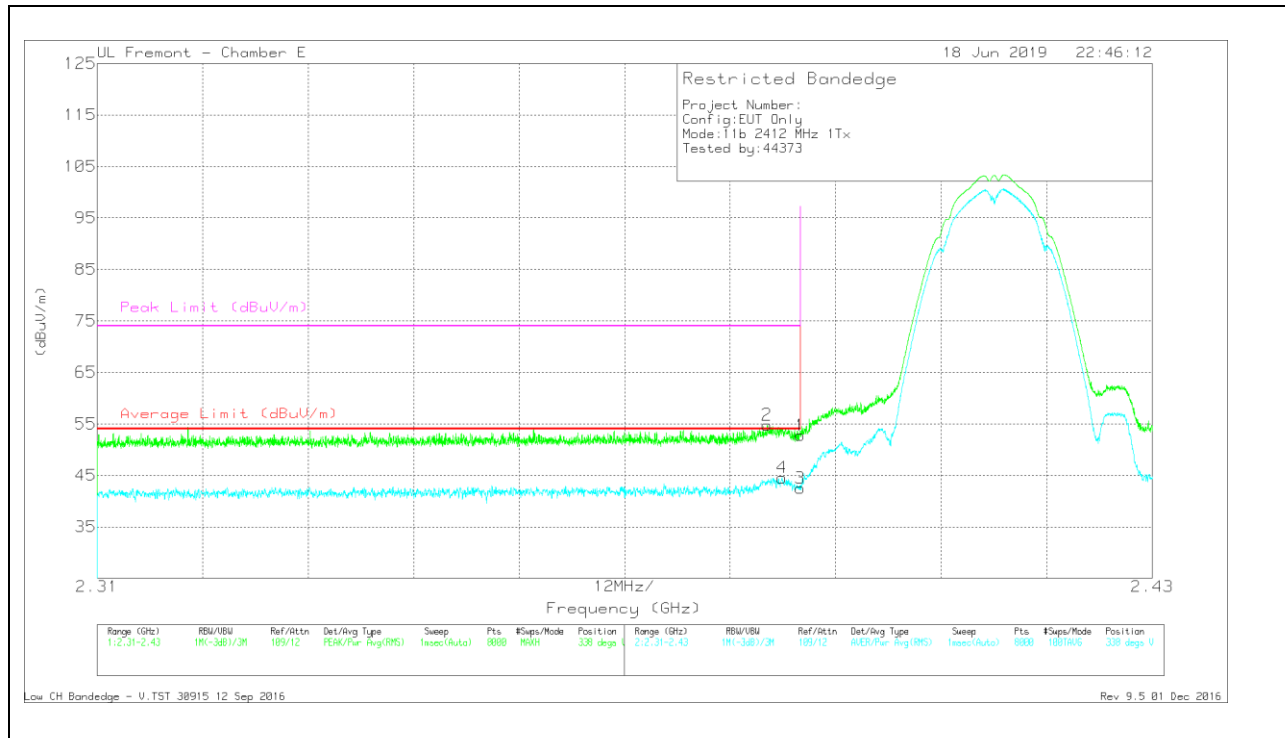
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.77	Pk	32.3	-18.3	53.77	-	-	74	-20.23	200	237	H
2	* 2.387	42.55	Pk	32.3	-18.3	56.55	-	-	74	-17.45	200	237	H
3	* 2.39	31.04	RMS	32.3	-18.3	45.04	54	-8.96	-	-	200	237	H
4	* 2.386	33.23	RMS	32.3	-18.3	47.23	54	-6.77	-	-	200	237	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 T119 (dB/m)	Amp/Ch/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	* 2.39	38.74	Pk	32.3	-18.3	52.74	-	-	74	-21.26	338	384	V
2	* 2.386	40.76	Pk	32.3	-18.3	54.76	-	-	74	-19.24	338	384	V
3	* 2.39	28.52	RMS	32.3	-18.3	42.52	54	-11.48	-	-	338	384	V
4	* 2.388	30.54	RMS	32.3	-18.3	44.54	54	-9.46	-	-	338	384	V

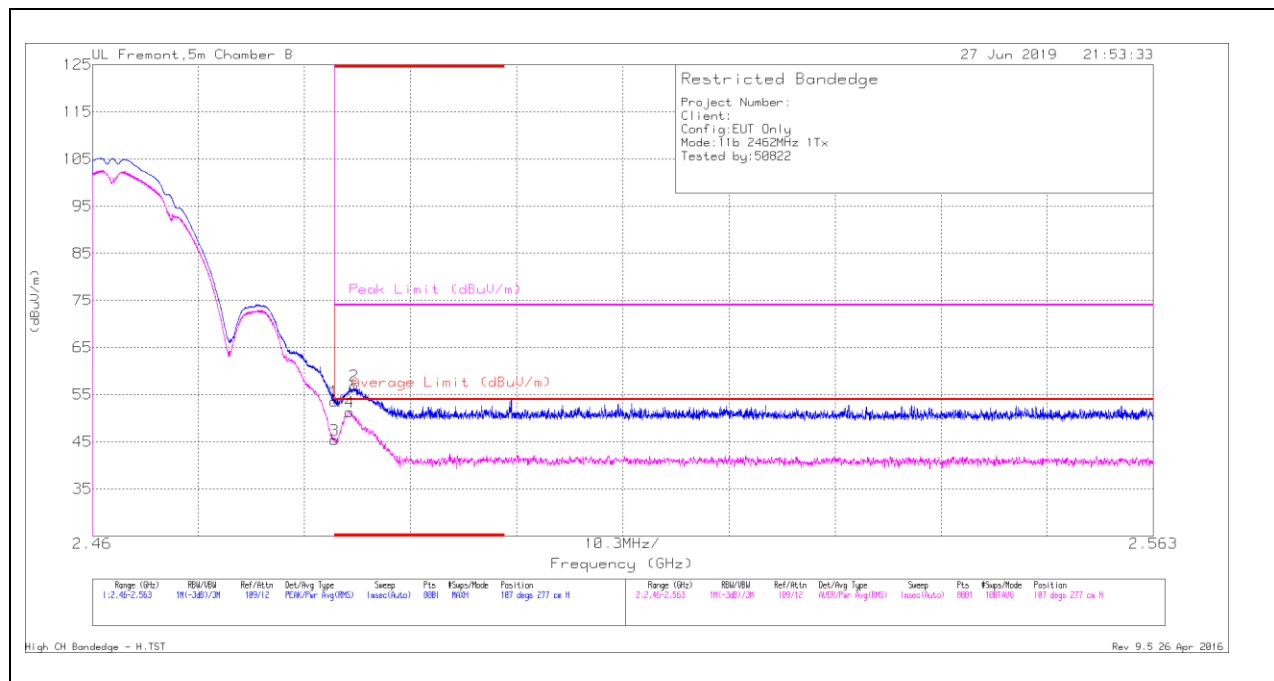
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



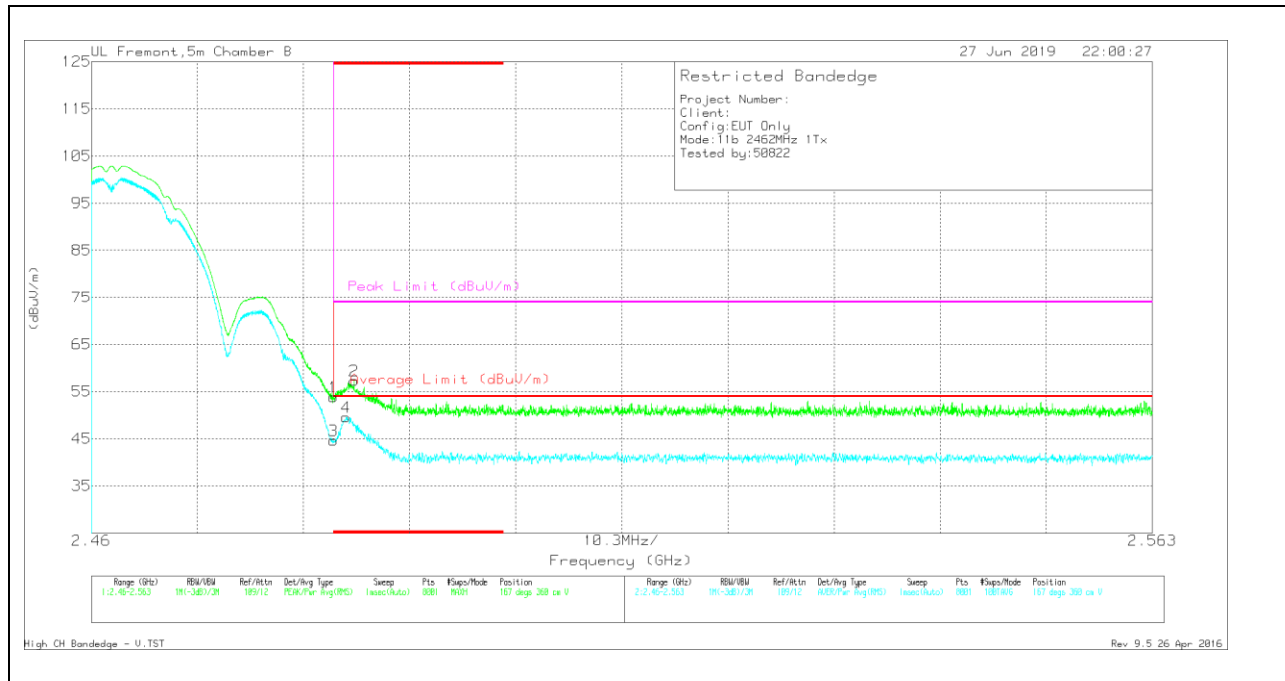
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Chl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.18	Pk	32.3	-18.9	53.58	-	-	74	-20.42	107	277	H
3	* 2.484	32.01	RMS	32.3	-18.9	45.41	54	-8.59	-	-	107	277	H
2	* 2.485	43.54	Pk	32.3	-18.9	56.94	-	-	74	-17.06	107	277	H
4	* 2.485	37.94	RMS	32.3	-18.9	51.34	54	-2.66	-	-	107	277	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 T344 (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	40.49	PK	32.3	-18.9	53.89	-	-	74	-20.11	167	360	V
2	* 2.486	43.92	PK	32.3	-18.9	57.32	-	-	74	-16.68	167	360	V
3	* 2.484	31.26	RMS	32.3	-18.9	44.66	54	-9.34	-	-	167	360	V
4	* 2.485	36.2	RMS	32.3	-18.9	49.6	54	-4.4	-	-	167	360	V

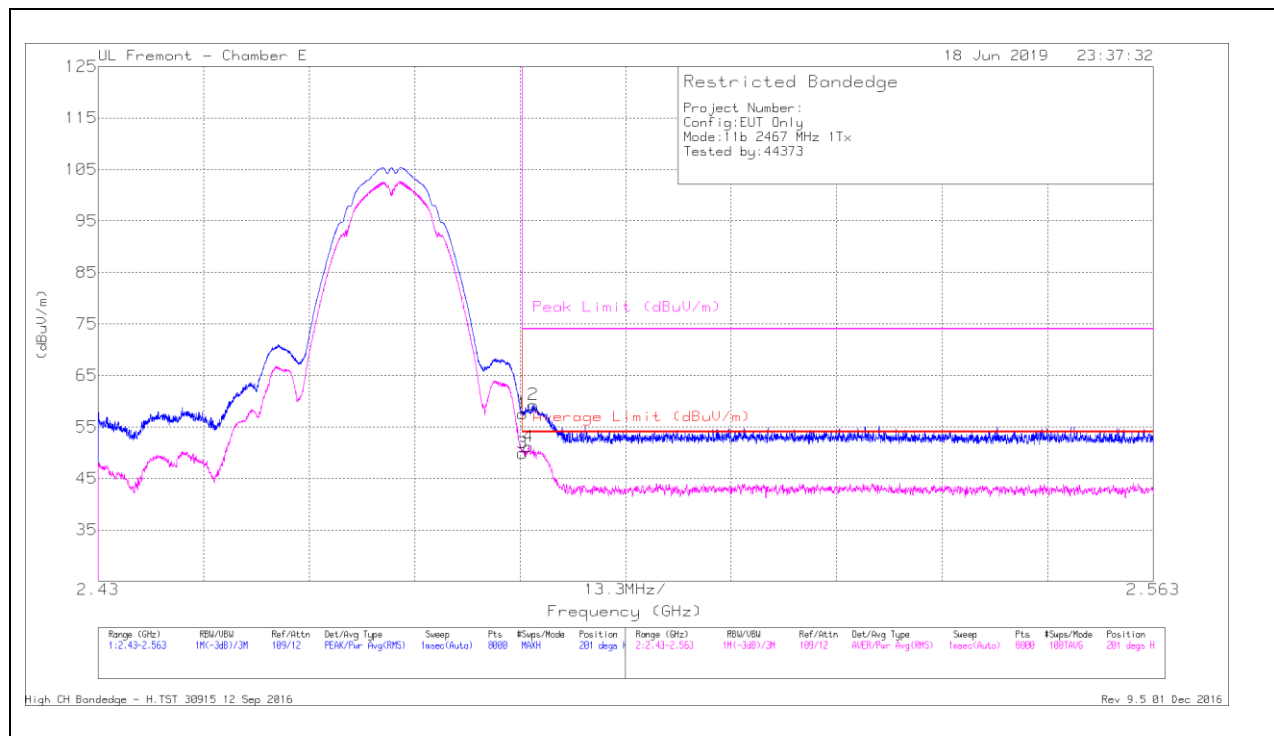
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



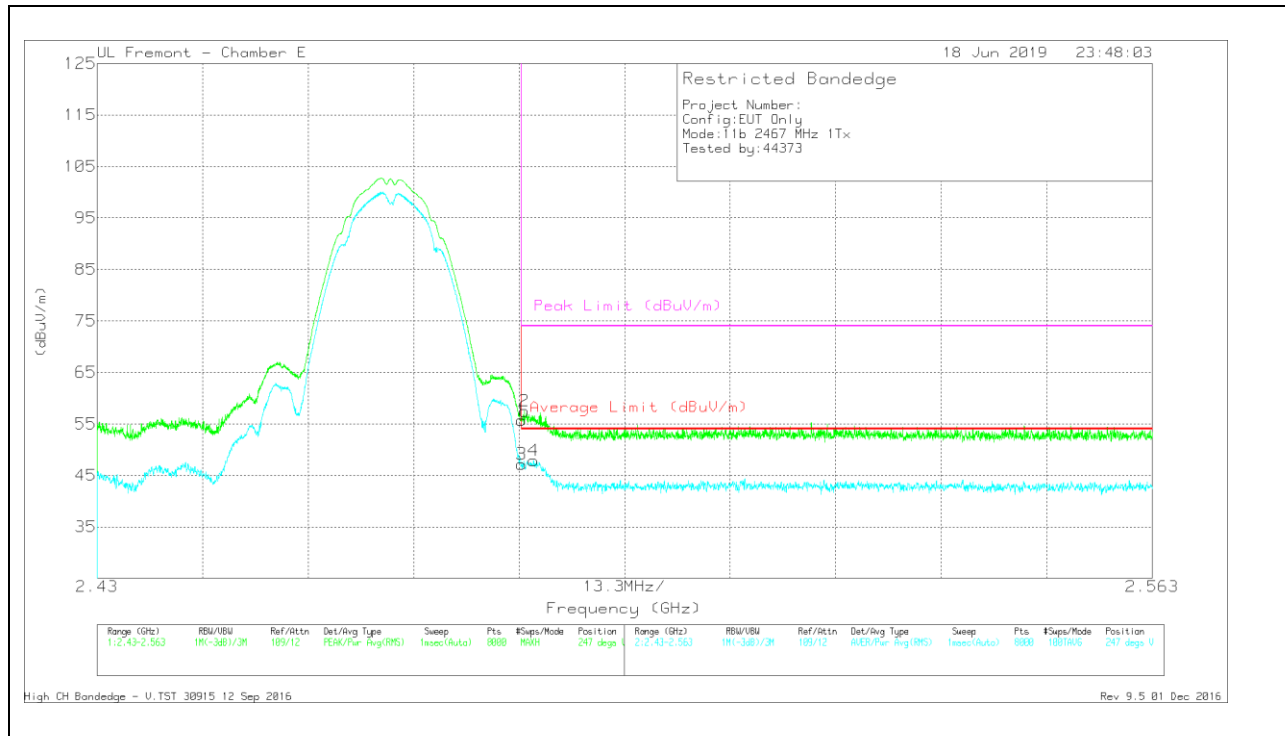
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.9	Pk	32.8	-18.1	57.6	-	-	74	-16.4	201	249	H
2	* 2.485	44.61	Pk	32.8	-18.1	59.31	-	-	74	-14.69	201	249	H
3	* 2.484	35.22	RMS	32.8	-18.1	49.92	54	-4.08	-	-	201	249	H
4	* 2.484	36.48	RMS	32.8	-18.1	51.18	54	-2.82	-	-	201	249	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 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	* 2.484	40.99	Pk	32.8	-18.1	55.69	-	-	74	-18.31	247	372	V
2	* 2.484	42.79	Pk	32.8	-18.1	57.49	-	-	74	-16.51	247	372	V
3	* 2.484	32.47	RMS	32.8	-18.1	47.17	54	-6.83	-	-	247	372	V
4	* 2.485	33.16	RMS	32.8	-18.1	47.86	54	-6.14	-	-	247	372	V

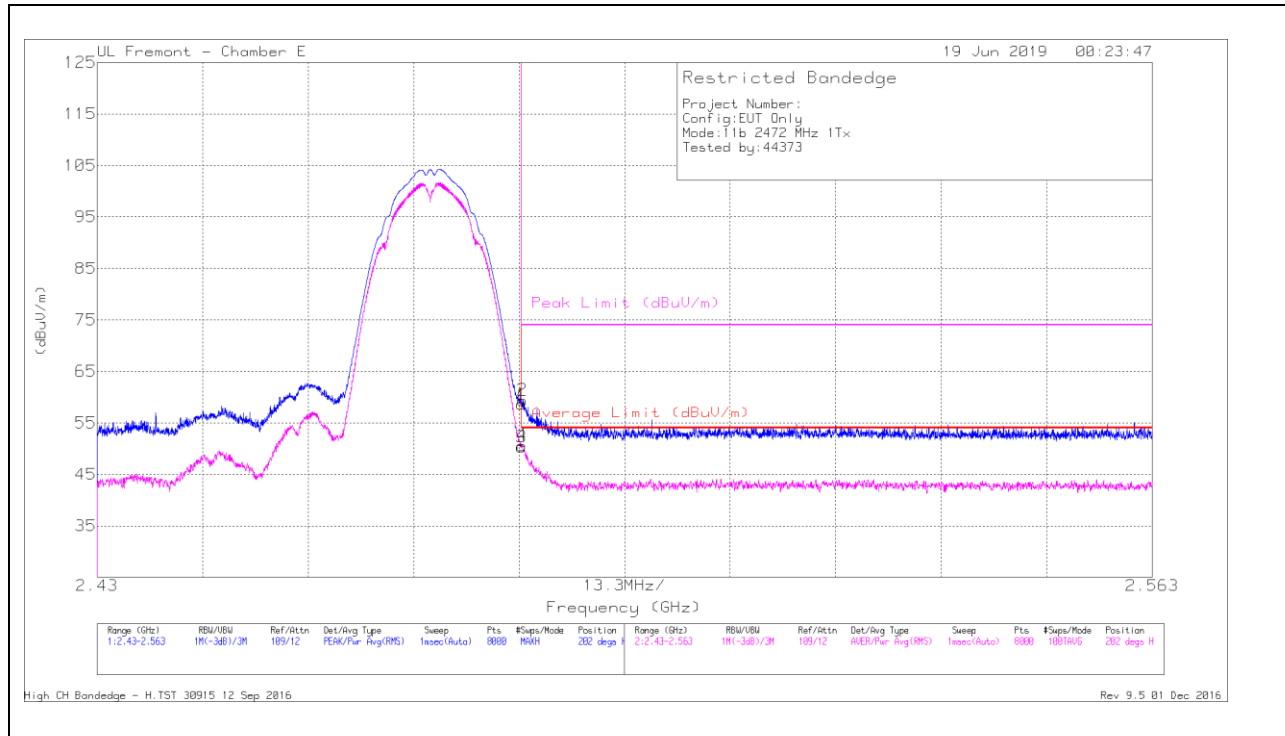
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



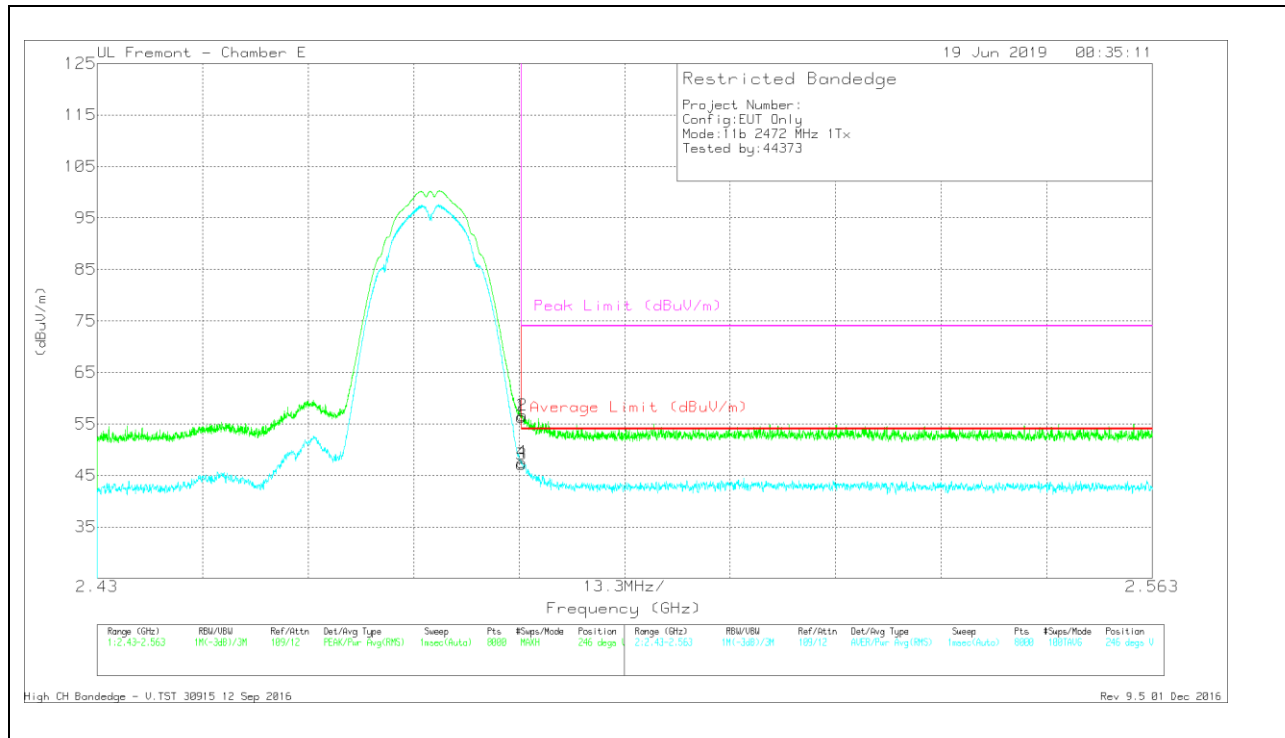
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.9	Pk	32.8	-18.1	58.6	-	-	74	-15.4	202	251	H
2	* 2.484	44.71	Pk	32.8	-18.1	59.41	-	-	74	-14.59	202	251	H
3	* 2.484	35.62	RMS	32.8	-18.1	50.32	54	-3.68	-	-	202	251	H
4	* 2.484	35.91	RMS	32.8	-18.1	50.61	54	-3.39	-	-	202	251	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 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	* 2.484	41.66	Pk	32.8	-18.1	56.36	-	-	74	-17.64	246	364	V
2	* 2.484	41.94	Pk	32.8	-18.1	56.64	-	-	74	-17.36	246	364	V
3	* 2.484	32.46	RMS	32.8	-18.1	47.16	54	-6.84	-	-	246	364	V
4	* 2.484	32.83	RMS	32.8	-18.1	47.53	54	-6.47	-	-	246	364	V

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

Pk - Peak detector

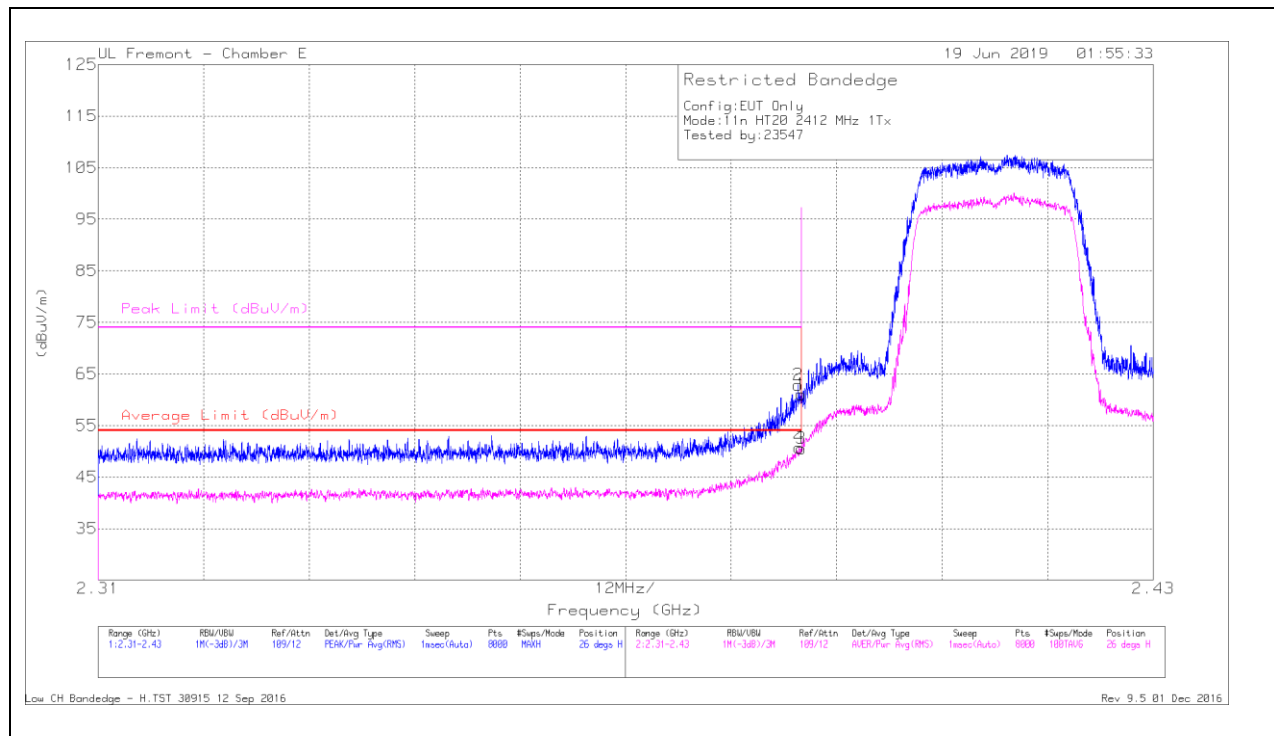
RMS - RMS detection

9.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz

1TX Antenna 4 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	47.03	Pk	32.3	-18.3	61.03	-	-	74	-12.97	26	141	H
2	* 2.39	48.86	Pk	32.3	-18.3	62.86	-	-	74	-11.14	26	141	H
3	* 2.39	36.53	RMS	32.3	-18.3	50.53	54	-3.47	-	-	26	141	H
4	* 2.39	36.74	RMS	32.3	-18.3	50.74	54	-3.26	-	-	26	141	H

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

Pk - Peak detector

RMS - RMS detection