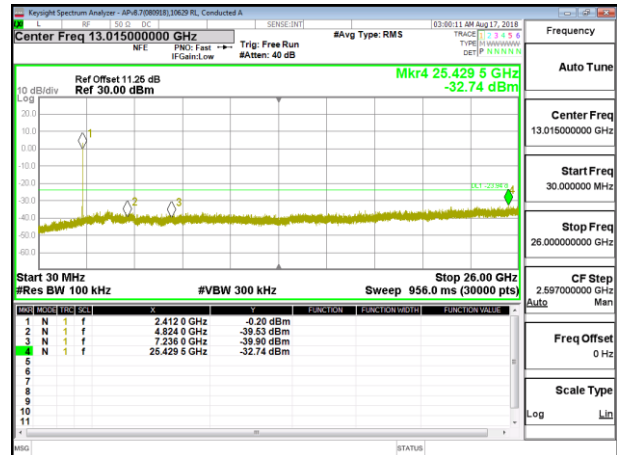
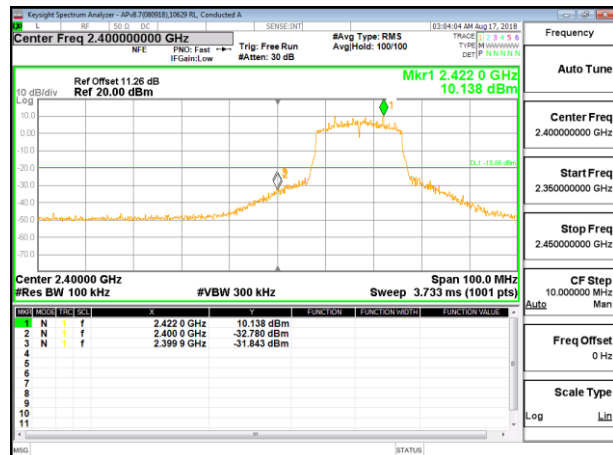


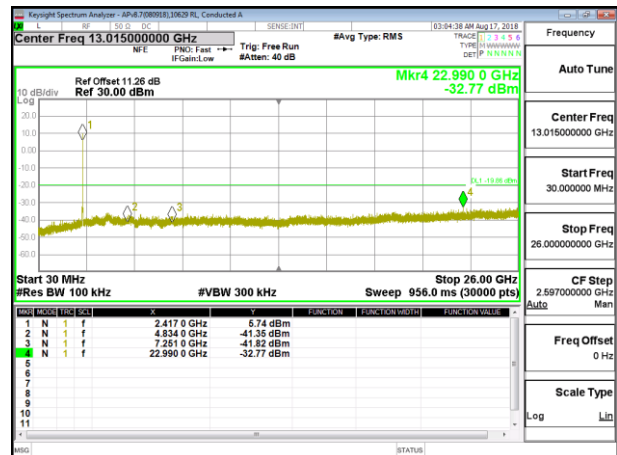
LOW CHANNEL 1 BANDEDGE CHAIN 2



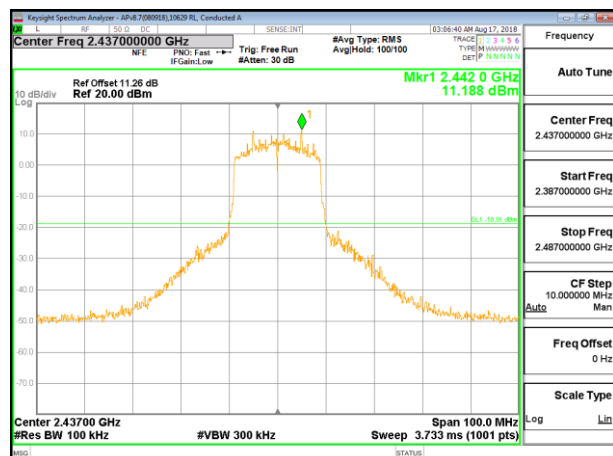
OUT-OF-BAND LOW CHANNEL 1 CHAIN 2



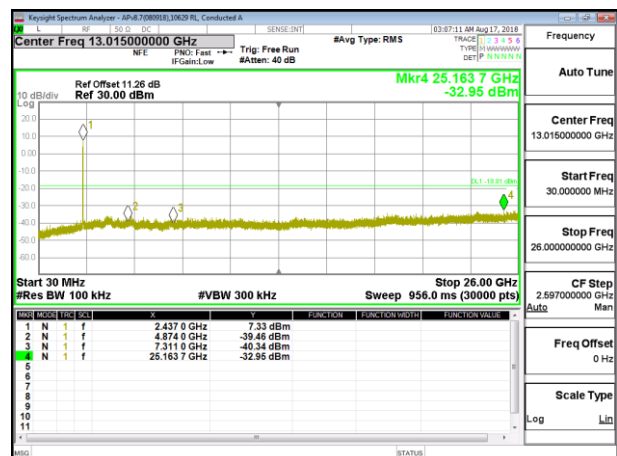
LOW CHANNEL 2 BANDEDGE CHAIN 2



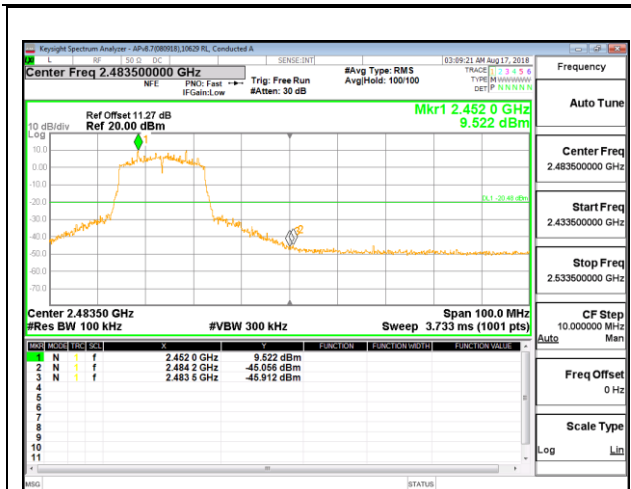
OUT-OF-BAND LOW CHANNEL 2 CHAIN 2



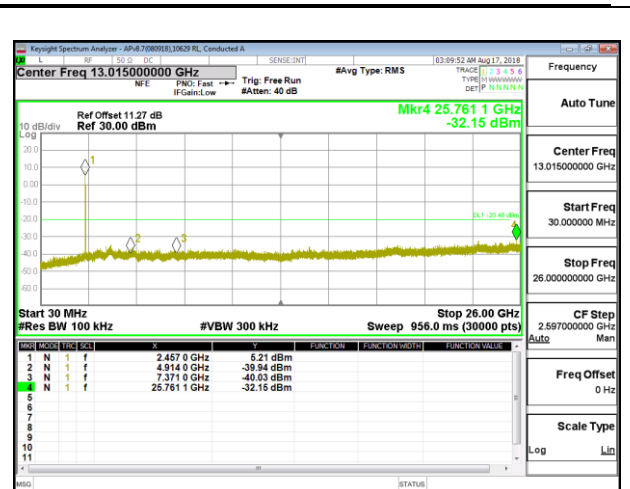
IN-BAND REFERENCE LEVEL CHAIN 2



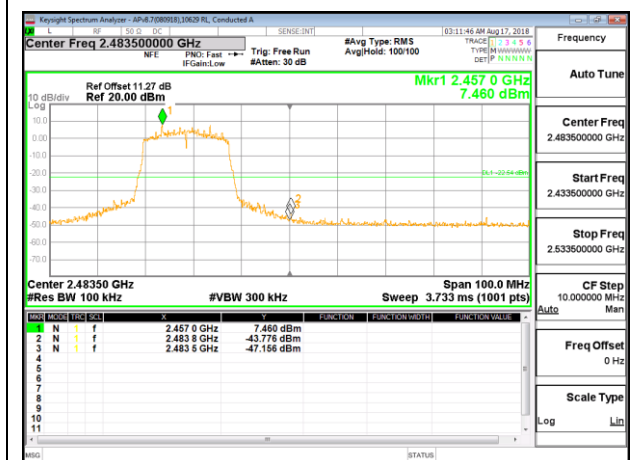
OUT-OF-BAND MID CHANNEL CHAIN 2



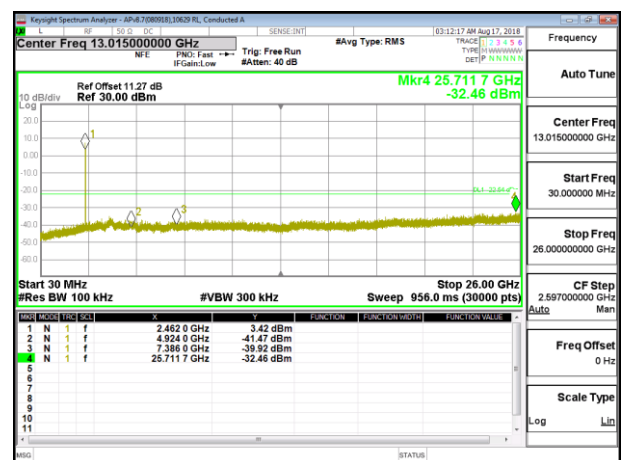
HIGH CHANNEL 10 BANDEDGE CHAIN 2



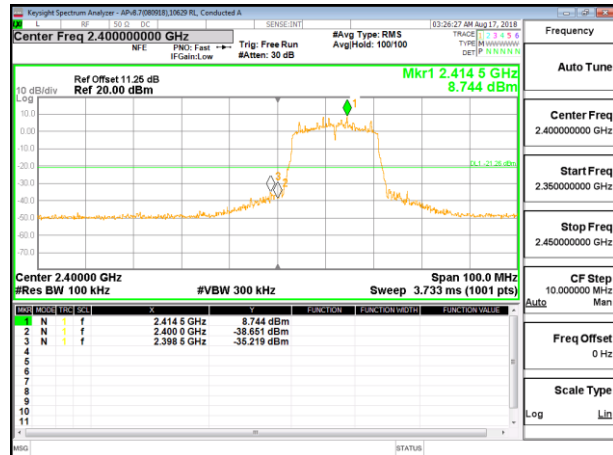
OUT-OF-BAND HIGH CHANNEL 10 CHAIN 2



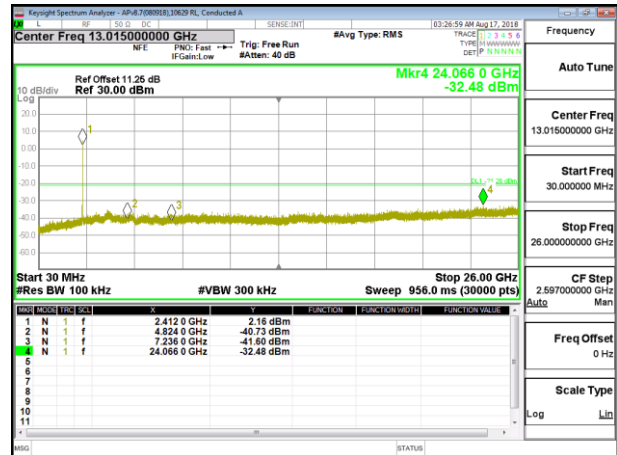
HIGH CHANNEL 11 BANDEDGE CHAIN 2



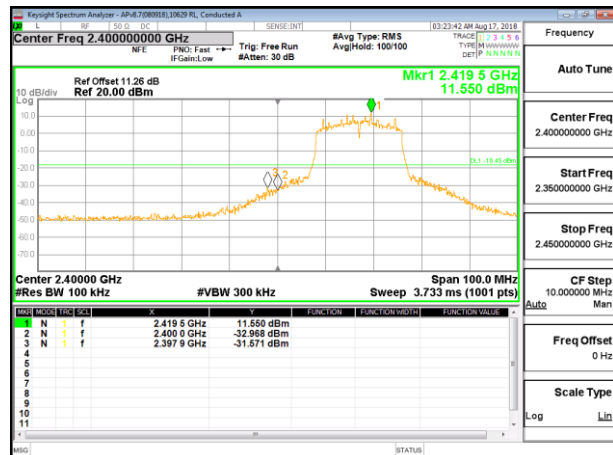
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 2



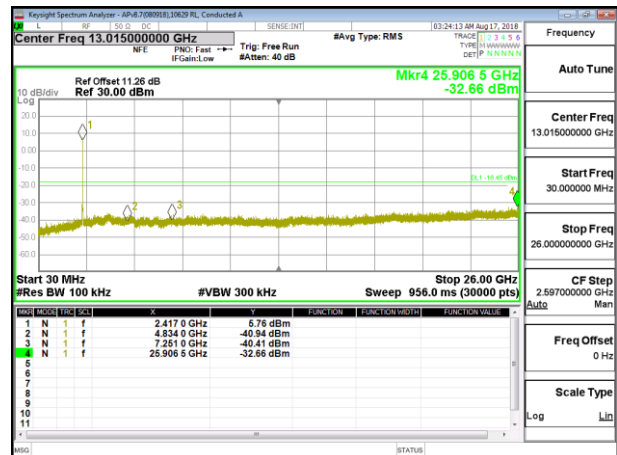
LOW CHANNEL 1 BANDEDGE CHAIN 3



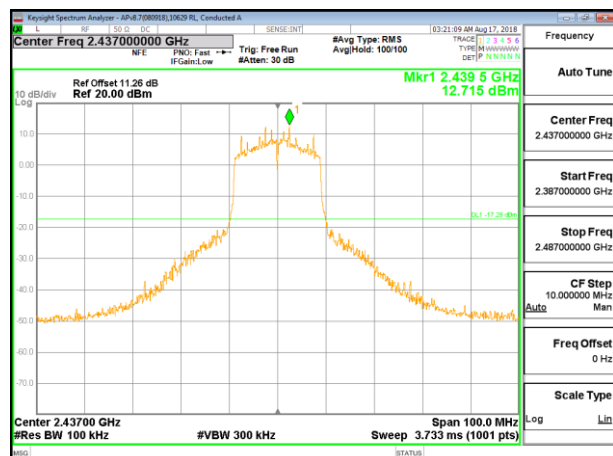
OUT-OF-BAND LOW CHANNEL 1 CHAIN 3



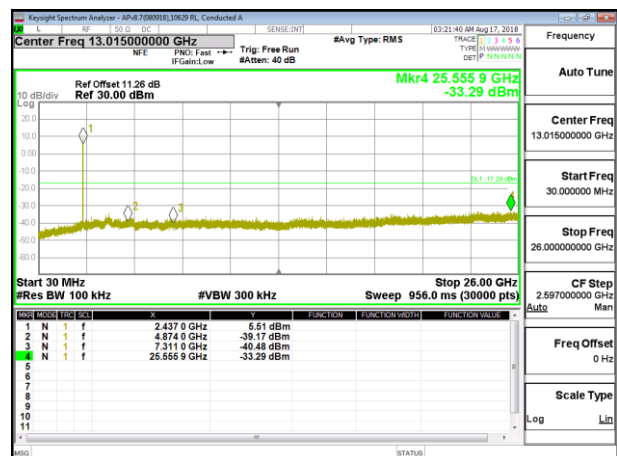
LOW CHANNEL 2 BANDEDGE CHAIN 3



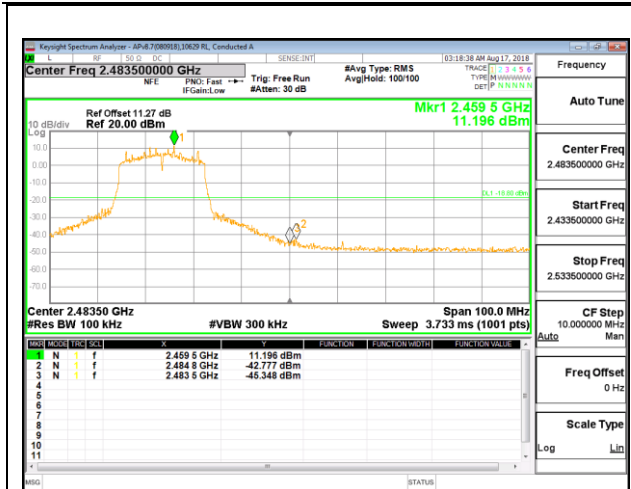
OUT-OF-BAND LOW CHANNEL 2 CHAIN 3



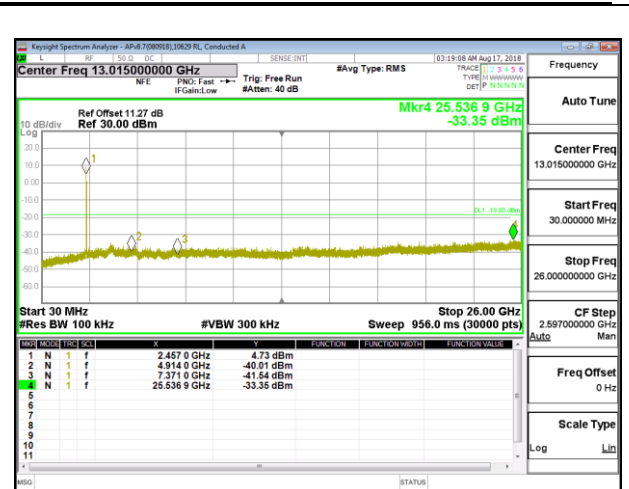
IN-BAND REFERENCE LEVEL CHAIN 3



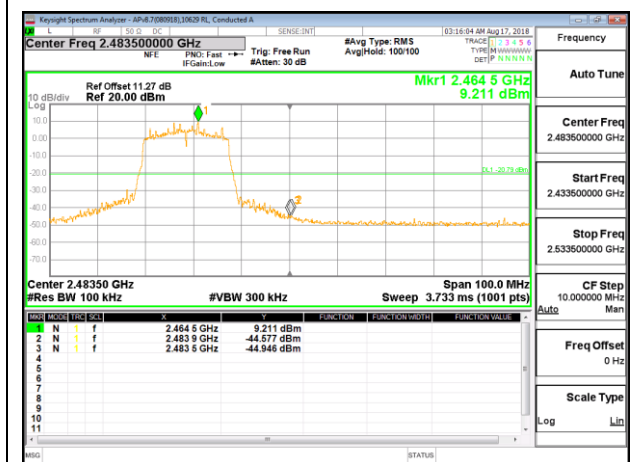
OUT-OF-BAND MID CHANNEL CHAIN 3



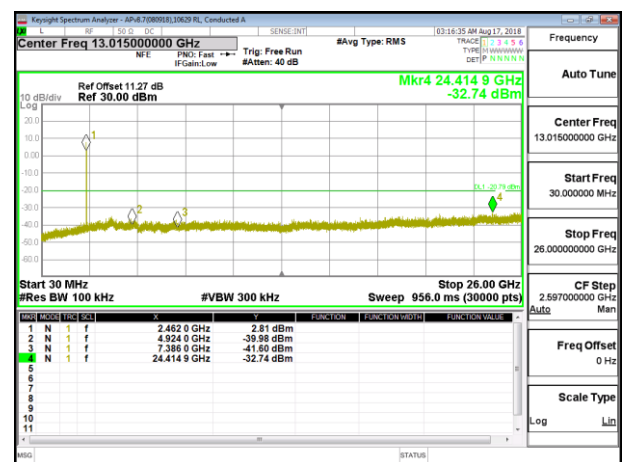
HIGH CHANNEL 10 BANDEDGE CHAIN 3



OUT-OF-BAND HIGH CHANNEL 10 CHAIN 3



HIGH CHANNEL 11 BANDEDGE CHAIN 3



OUT-OF-BAND HIGH CHANNEL 11 CHAIN 3

10. 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.

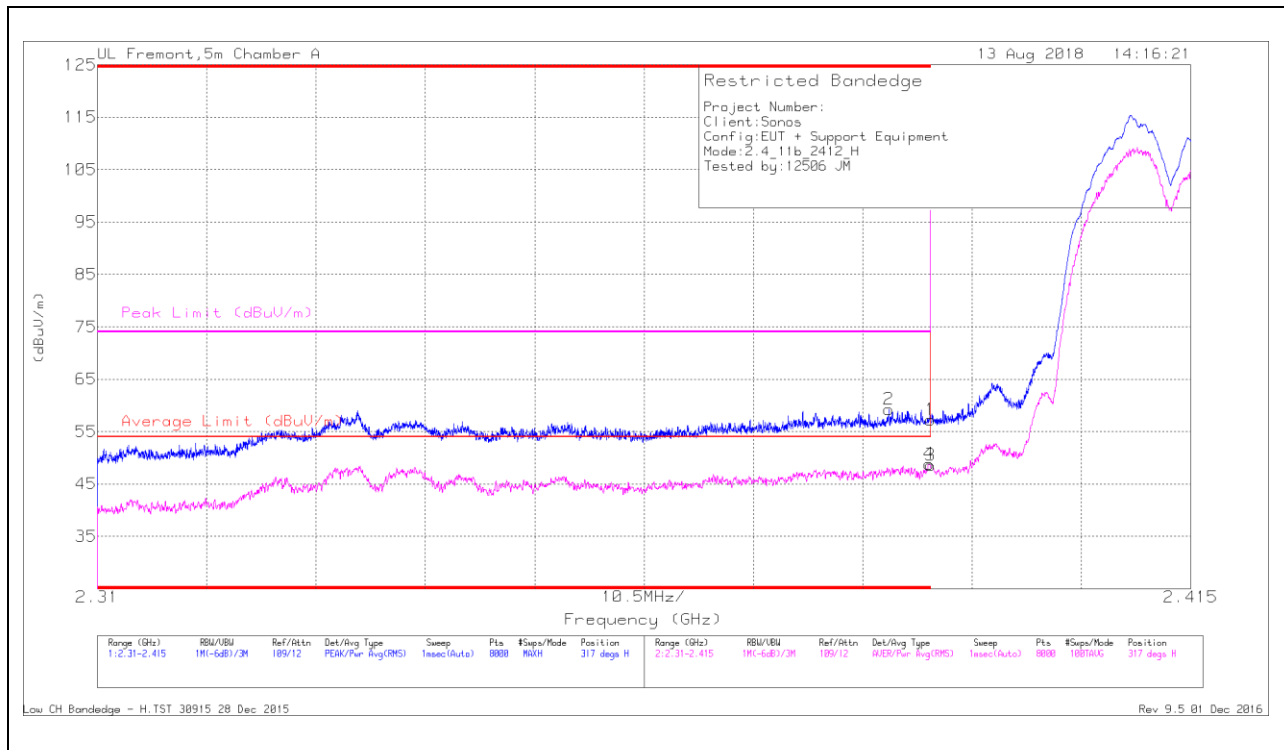
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

10.1. TRANSMITTER ABOVE 1 GHz

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

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

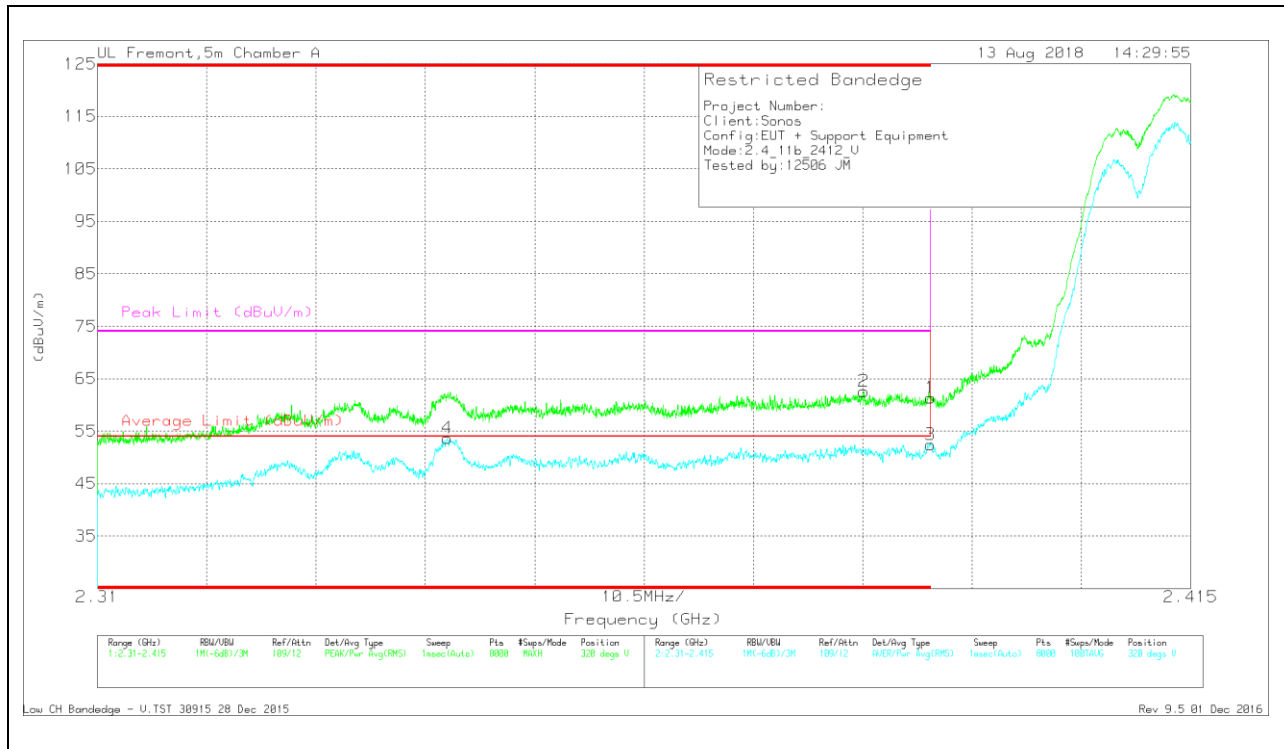
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.39	Pk	31.8	-23	57.19	-	-	74	-16.81	317	169	H
2	* 2.386	50.46	Pk	31.8	-23	59.26	-	-	74	-14.74	317	169	H
3	* 2.39	39.75	RMS	31.8	-23	48.55	54	-5.45	-	-	317	169	H
4	* 2.39	40.01	RMS	31.8	-23	48.81	54	-5.19	-	-	317	169	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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
4	* 2.344	45.1	RMS	31.6	-23	53.7	54	-.3	-	-	320	203	V
2	* 2.384	53.88	Pk	31.7	-23	62.58	-	-	74	-11.42	320	203	V
1	* 2.39	52.57	Pk	31.8	-23	61.37	-	-	74	-12.63	320	203	V
3	* 2.39	43.59	RMS	31.8	-23	52.39	54	-1.61	-	-	320	203	V

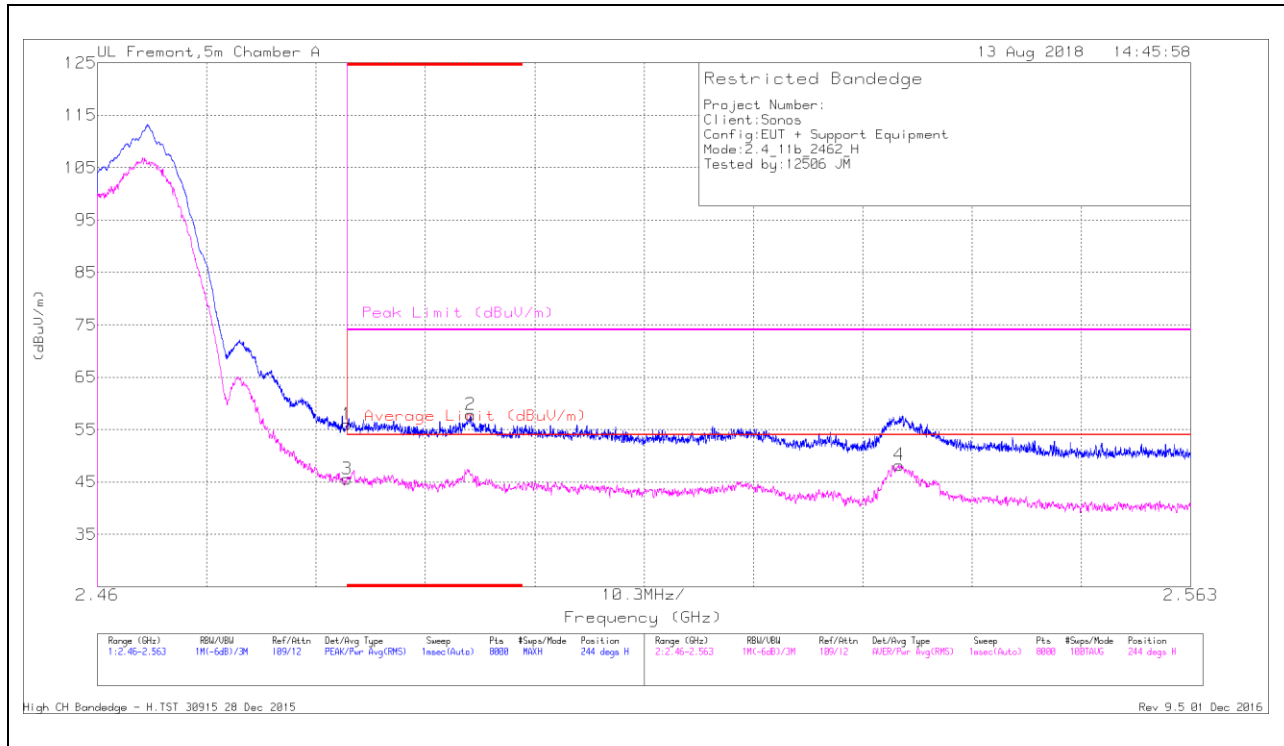
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

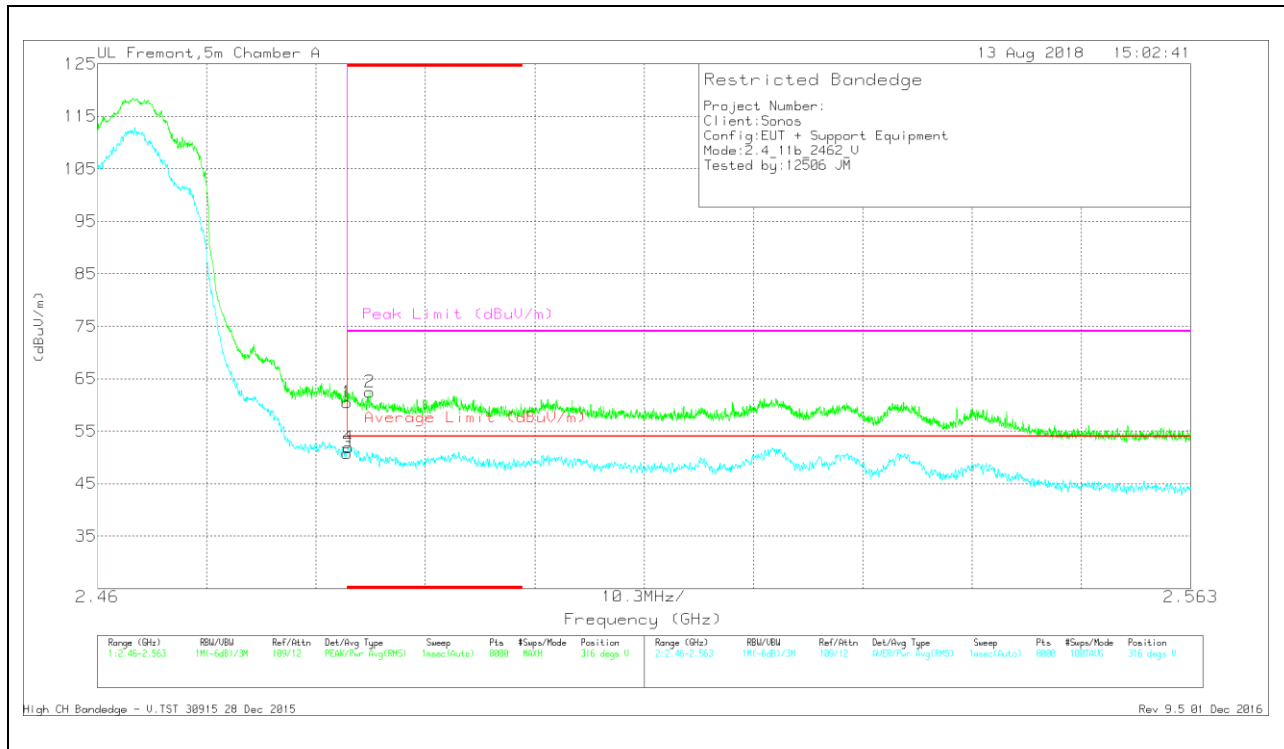
Marker	Frequency (GHz)	Meier Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.59	Pk	32.3	-22.9	55.99	-	-	74	-18.01	244	263	H
3	* 2.484	36.12	RMS	32.3	-22.9	45.52	54	-8.48	-	-	244	263	H
2	* 2.495	48.33	Pk	32.4	-22.9	57.83	-	-	74	-16.17	244	263	H
4	2.536	38.64	RMS	32.4	-22.8	48.24	54	-5.76	-	-	244	263	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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	51.07	Pk	32.3	-22.9	60.47	-	-	74	-13.53	316	244	V
3	* 2.484	41.36	RMS	32.3	-22.9	50.76	54	-3.24	-	-	316	244	V
4	* 2.484	42.54	RMS	32.3	-22.9	51.94	54	-2.06	-	-	316	244	V
2	* 2.486	52.96	Pk	32.3	-22.8	62.46	-	-	74	-11.54	316	244	V

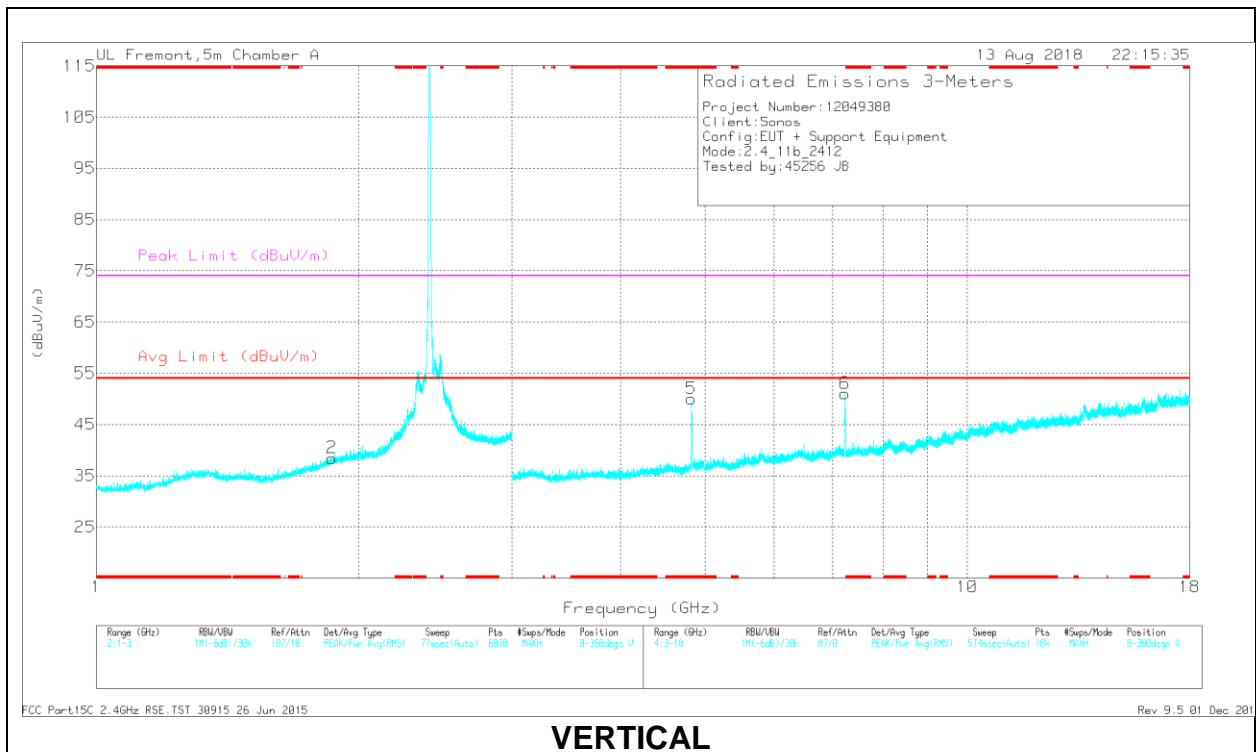
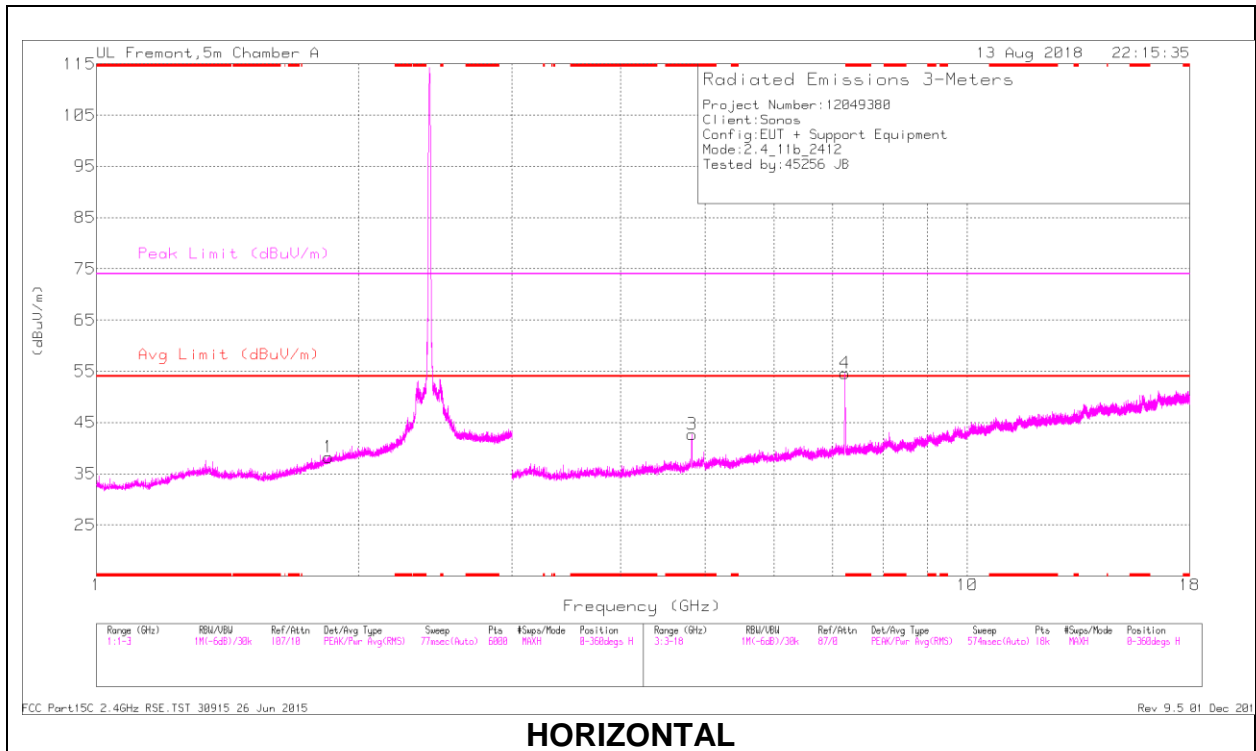
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.829	34.27	Pk	34.2	-25.8	0	42.67	-	-	74	-	0-360	199	H
5	* 4.823	41.73	Pk	34.2	-25.9	0	50.03	-	-	74	-23.97	0-360	200	V
1	1.848	30.23	Pk	30.9	-22.9	0	38.23	-	-	-	-	0-360	199	H
2	1.863	30.43	Pk	30.9	-22.9	0	38.43	-	-	-	-	0-360	200	V
4	7.235	42.04	Pk	35.7	-23.1	0	54.64	-	-	-	-	0-360	101	H
6	7.237	38.5	Pk	35.7	-23.1	0	51.1	-	-	-	-	0-360	101	V

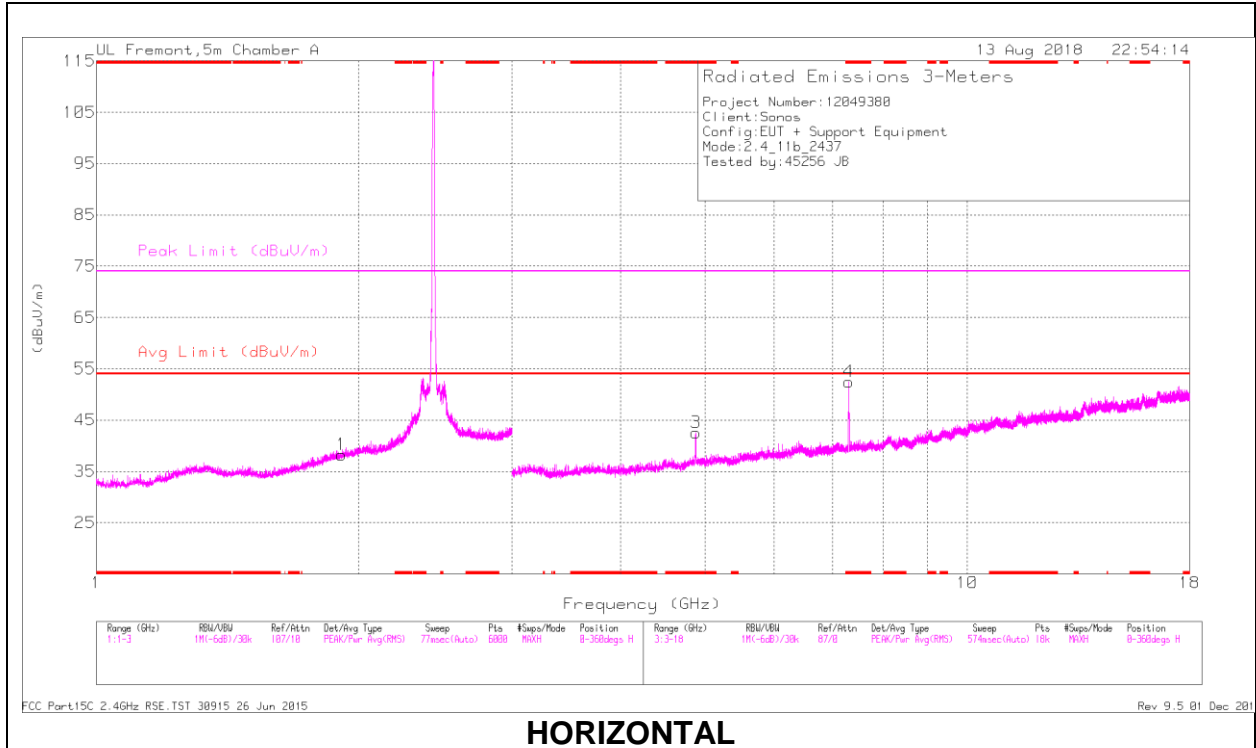
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector

Radiated Emissions

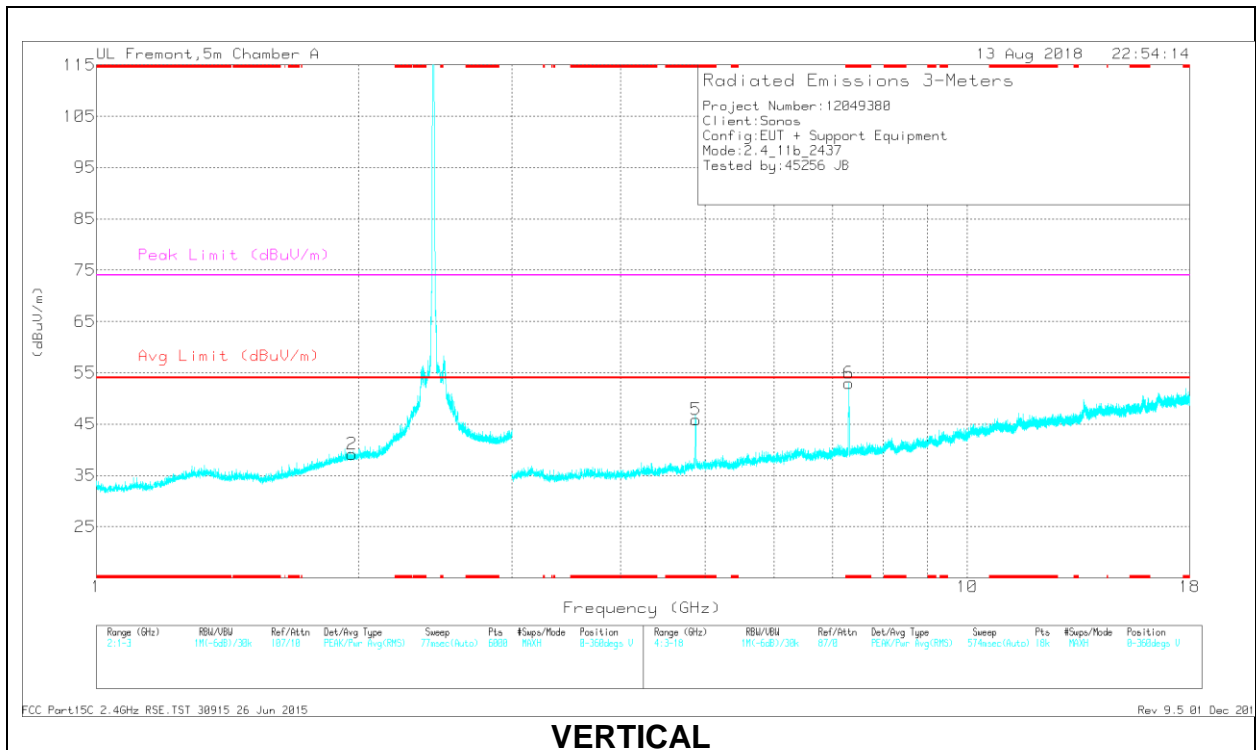
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.829	40.47	PK2	34.2	-25.8	0	48.87	-	-	74	-25.13	146	336	H
* 4.829	32.13	MAv1	34.2	-25.8	0	40.53	54	-13.47	-	-	146	336	H
* 4.824	43.69	PK2	34.2	-25.9	0	51.99	-	-	74	-22.01	206	251	V
* 4.821	32.52	MAv1	34.2	-26	0	40.72	54	-13.28	-	-	206	251	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.879	34.5	Pk	34.1	-26	0	42.6	-	-	74	-31.4	0-360	199	H
4	* 7.311	39.95	Pk	35.7	-23.2	0	52.45	-	-	74	-21.55	0-360	101	H
5	* 4.879	37.79	Pk	34.1	-26	0	45.89	-	-	74	-28.11	0-360	200	V
6	* 7.312	40.41	Pk	35.7	-23.2	0	52.91	-	-	74	-21.09	0-360	200	V
1	1.91	30.08	Pk	31.1	-22.9	0	38.28	-	-	-	-	0-360	199	H
2	1.963	30.67	Pk	31.4	-23	0	39.07	-	-	-	-	0-360	200	V

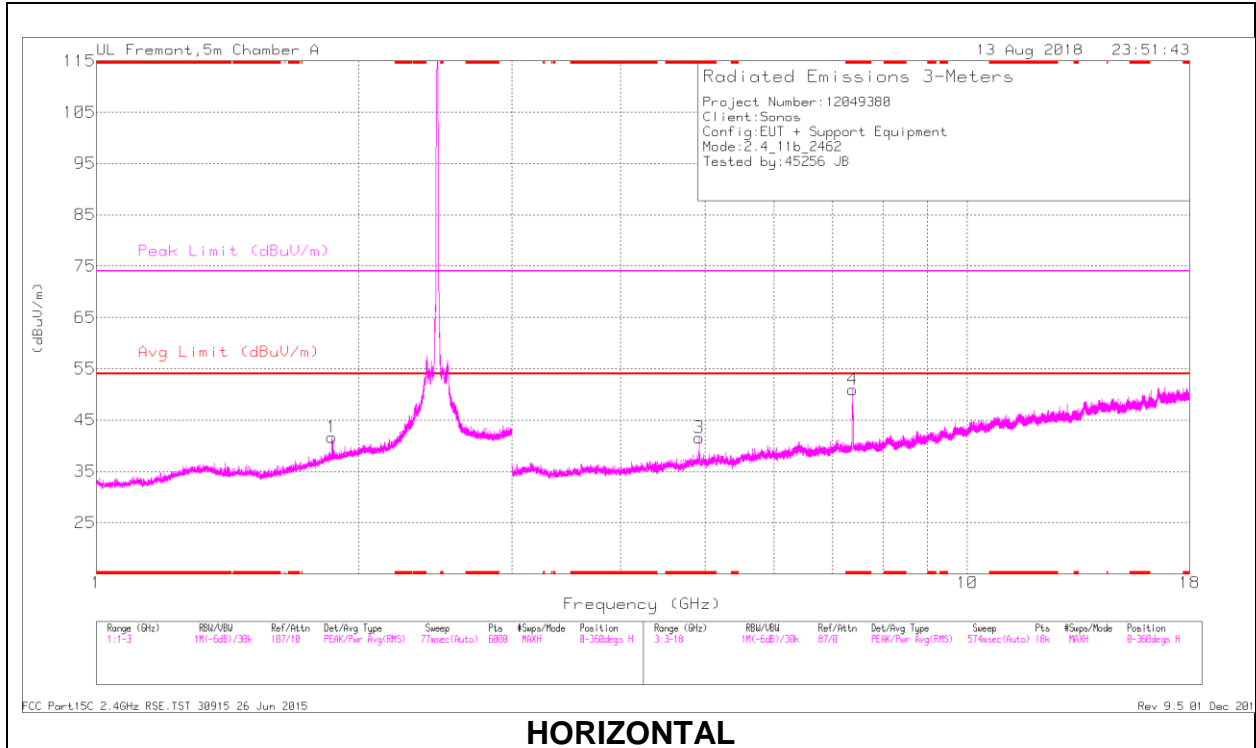
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector

Radiated Emissions

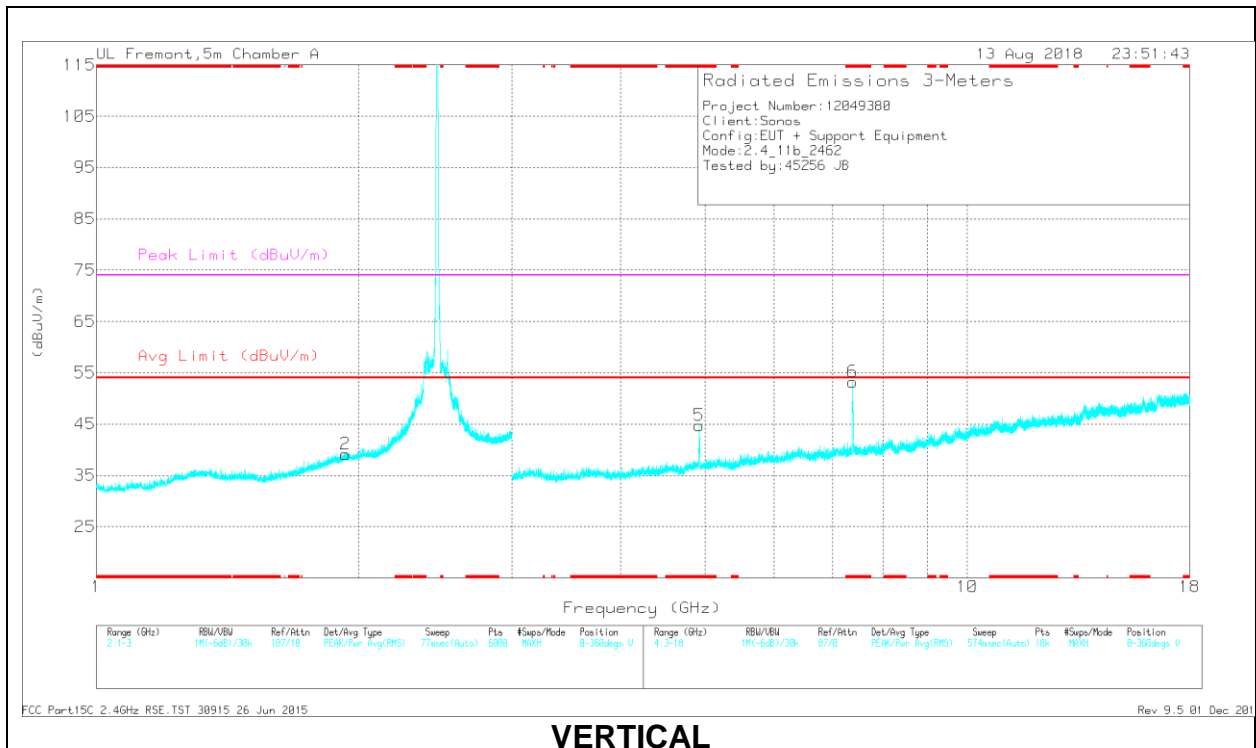
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.88	39.01	PK2	34.1	-26	0	47.11	-	-	74	-26.89	173	109	H
* 4.879	30.16	MAv1	34.1	-26	0	38.26	54	-15.74	-	-	173	109	H
* 7.309	43.77	PK2	35.7	-23.2	0	56.27	-	-	74	-17.73	171	208	H
* 7.309	31.89	MAv1	35.7	-23.2	0	44.39	54	-9.61	-	-	171	208	H
* 4.879	42.74	PK2	34.1	-26	0	50.84	-	-	74	-23.16	217	257	V
* 4.879	36.1	MAv1	34.1	-26	0	44.2	54	-9.8	-	-	217	257	V
* 7.31	45.97	PK2	35.7	-23.2	0	58.47	-	-	74	-15.53	286	199	V
* 7.31	33.54	MAv1	35.7	-23.2	0	46.04	54	-7.96	-	-	286	199	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.924	33.79	Pk	34.1	-26.4	0	41.49	-	-	74	-32.51	0-360	101	H
4	* 7.384	37.44	Pk	35.6	-22.1	0	50.94	-	-	74	-23.06	0-360	199	H
5	* 4.918	36.87	Pk	34.1	-26.2	0	44.77	-	-	74	-29.23	0-360	200	V
6	* 7.384	39.7	Pk	35.6	-22.1	0	53.2	-	-	74	-20.8	0-360	101	V
1	1.862	33.68	Pk	30.9	-22.9	0	41.68	-	-	-	-	0-360	101	H
2	1.93	30.7	Pk	31.2	-22.8	0	39.1	-	-	-	-	0-360	200	V

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

Radiated Emissions

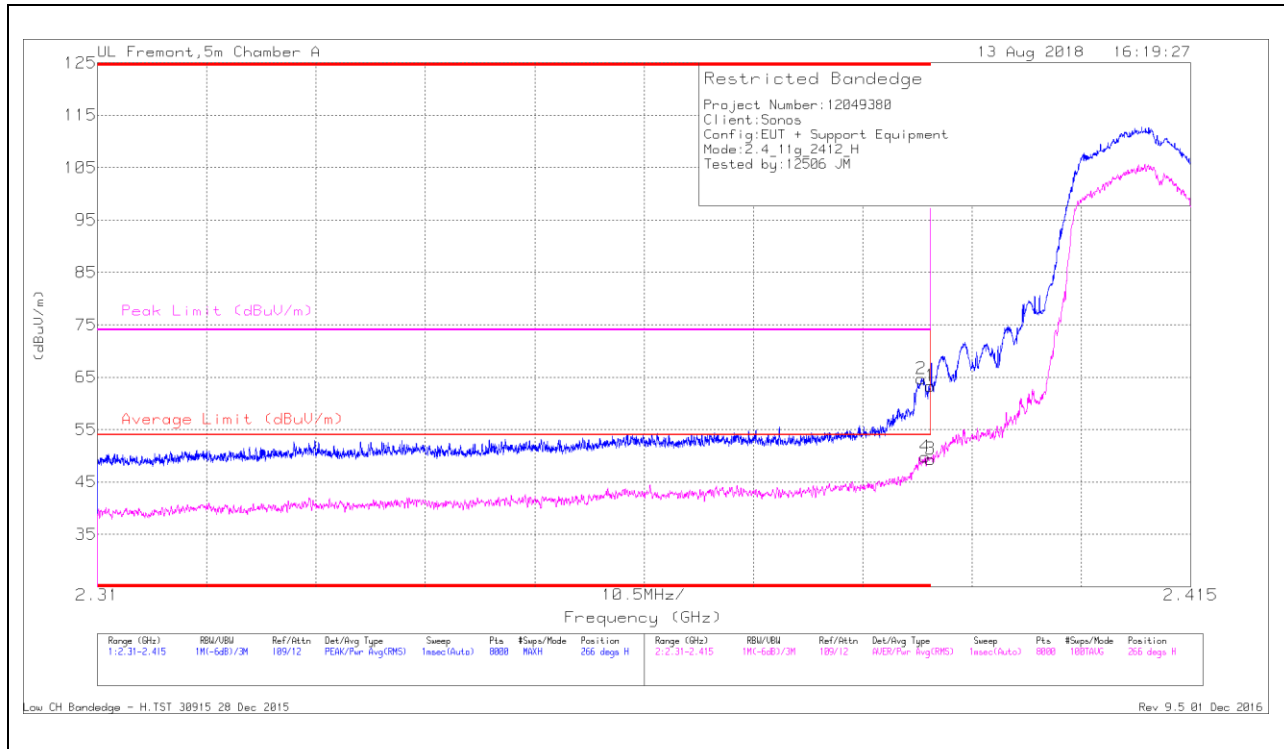
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.924	40.1	PK2	34.1	-26.4	0	47.8	-	-	74	-26.2	167	302	H
* 4.924	27.79	MAv1	34.1	-26.4	0	35.49	54	-18.51	-	-	167	302	H
* 7.384	44.57	PK2	35.6	-22.1	0	58.07	-	-	74	-15.93	67	216	H
* 7.384	32.53	MAv1	35.6	-22.1	0	46.03	54	-7.97	-	-	67	216	H
* 4.919	42.63	PK2	34.1	-26.2	0	50.53	-	-	74	-23.47	219	307	V
* 4.919	34.85	MAv1	34.1	-26.2	0	42.75	54	-11.25	-	-	219	307	V
* 7.385	44.22	PK2	35.6	-22.1	0	57.72	-	-	74	-16.28	183	168	V
* 7.384	32.62	MAv1	35.6	-22.1	0	46.12	54	-7.88	-	-	183	168	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

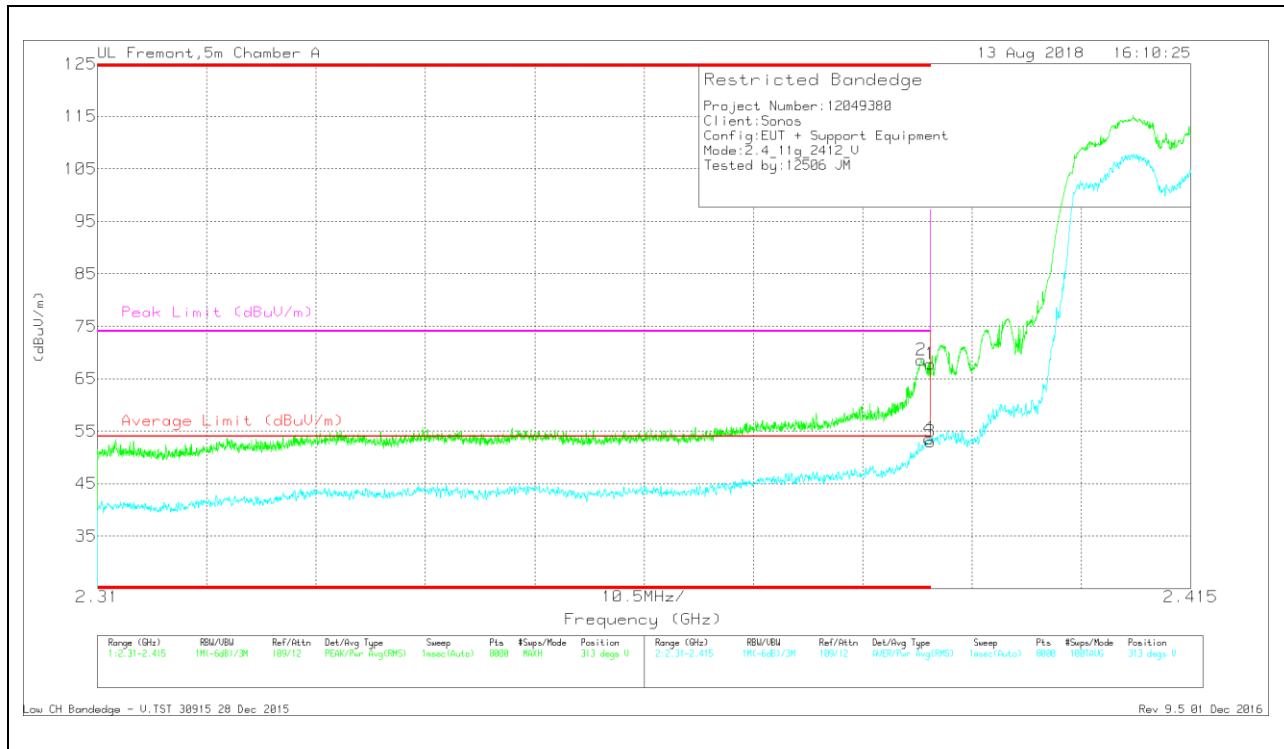
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	55.88	Pk	31.8	-23	64.68	-	-	74	-9.32	266	109	H
1	* 2.39	54.48	Pk	31.8	-23	63.28	-	-	74	-10.72	266	109	H
3	* 2.39	40.56	RMS	31.8	-23	49.36	54	-4.64	-	-	266	109	H
4	* 2.39	41.03	RMS	31.8	-23	49.83	54	-4.17	-	-	266	109	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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	* 2.389	59.75	Pk	31.8	-23	68.55	-	-	74	-5.45	313	197	V
1	* 2.39	58.98	Pk	31.8	-23	67.78	-	-	74	-6.22	313	197	V
3	* 2.39	44.24	RMS	31.8	-23	53.04	54	-96	-	-	313	197	V
4	* 2.39	44.78	RMS	31.8	-23	53.58	54	-42	-	-	313	197	V

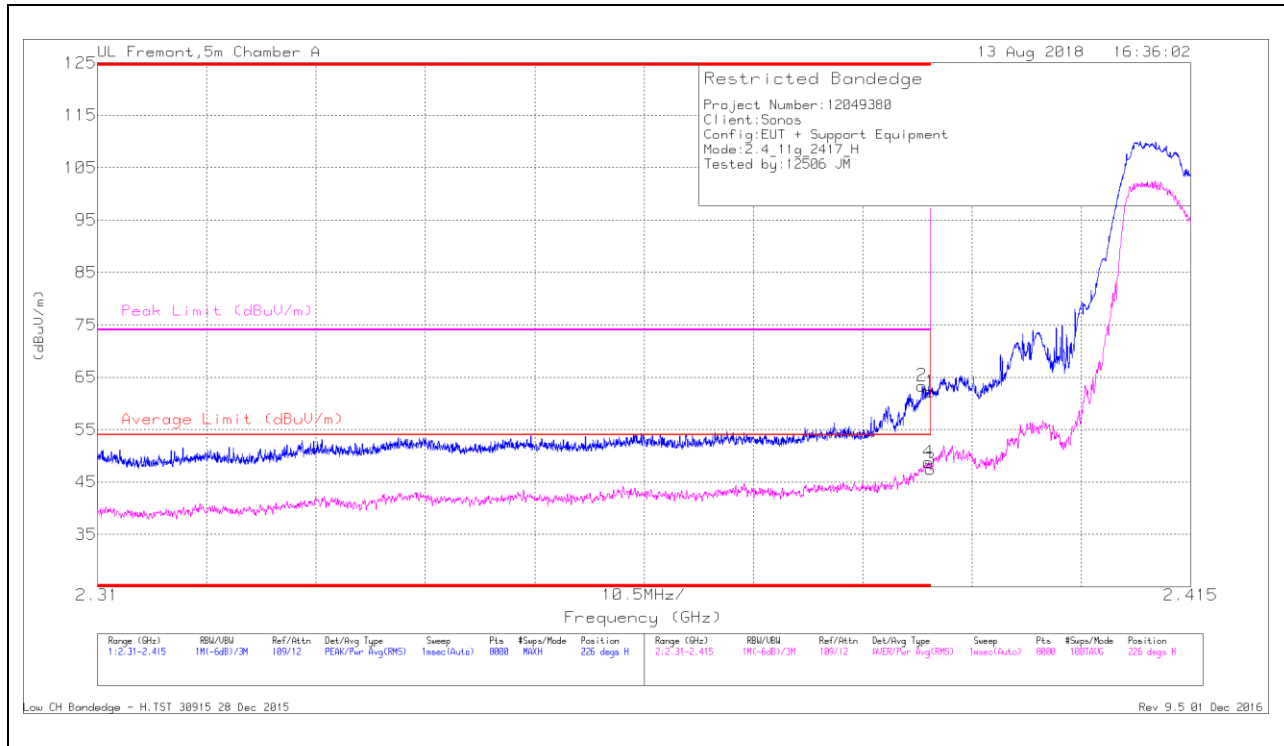
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



Trace Markers

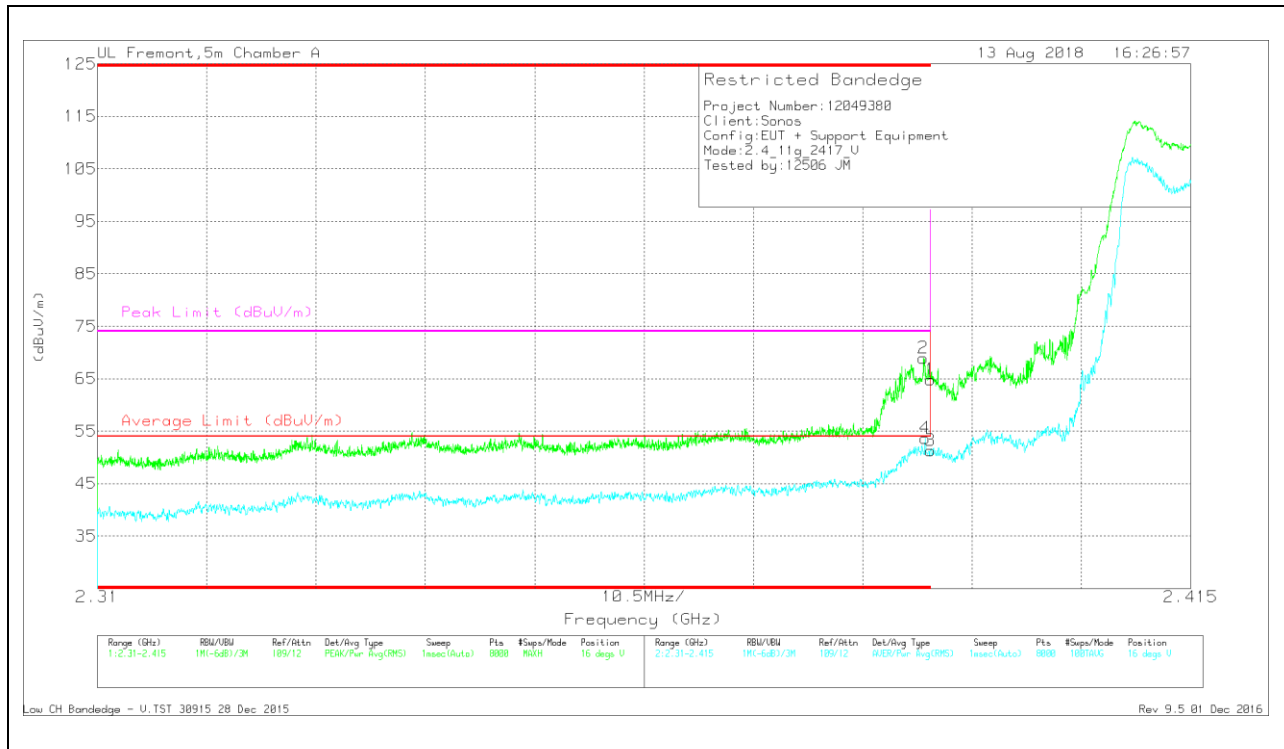
Marker	Frequency (GHz)	Meier Reading (dBuV)	Det	AF T862 (dB/m)	Amp/CbI/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	54.59	Pk	31.8	-23	63.39	-	-	74	-10.61	226	180	H
1	* 2.39	53.42	Pk	31.8	-23	62.22	-	-	74	-11.78	226	180	H
3	* 2.39	38.59	RMS	31.8	-23	47.39	54	-6.61	-	-	226	180	H
4	* 2.39	39.98	RMS	31.8	-23	48.78	54	-5.22	-	-	226	180	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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	* 2.389	60.15	Pk	31.8	-23	68.95	-	-	74	-5.05	16	130	V
1	* 2.39	56.02	Pk	31.8	-23	64.82	-	-	74	-9.18	16	130	V
3	* 2.39	42.47	RMS	31.8	-23	51.27	54	-2.73	-	-	16	130	V
4	* 2.39	44.82	RMS	31.8	-23	53.62	54	-3.8	-	-	16	130	V

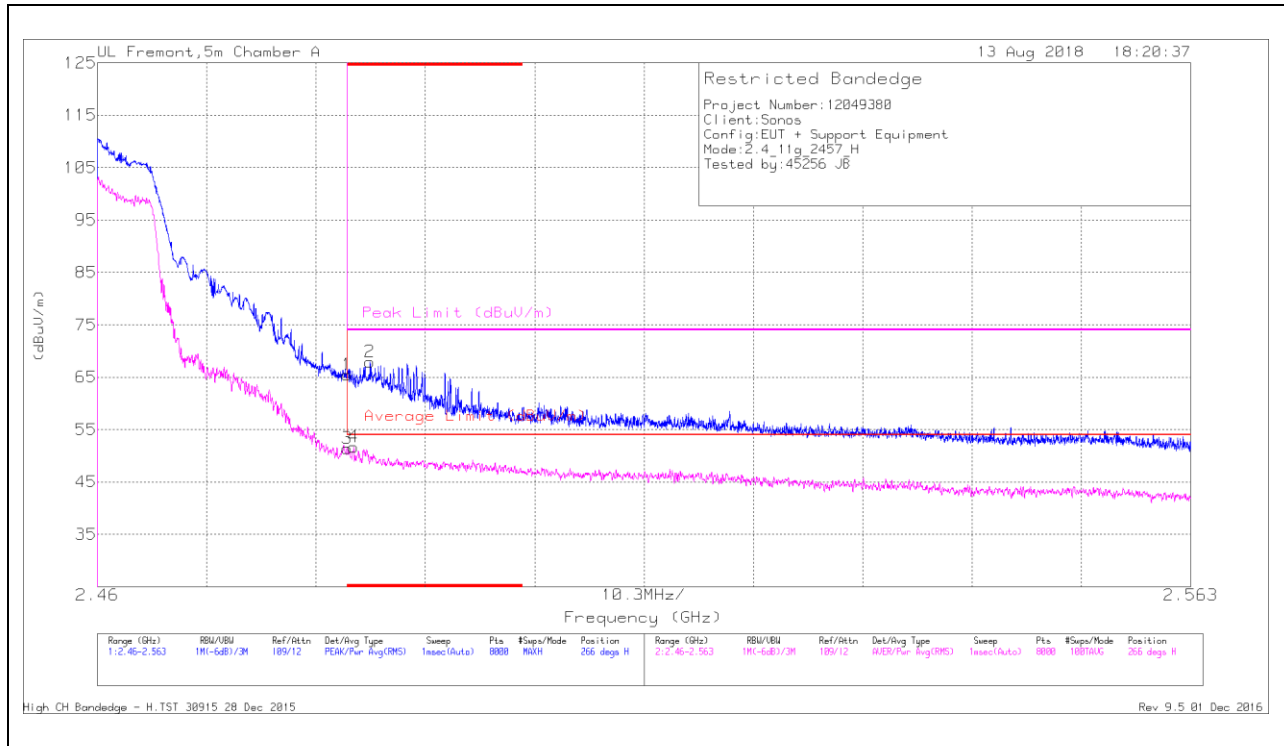
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



Trace Markers

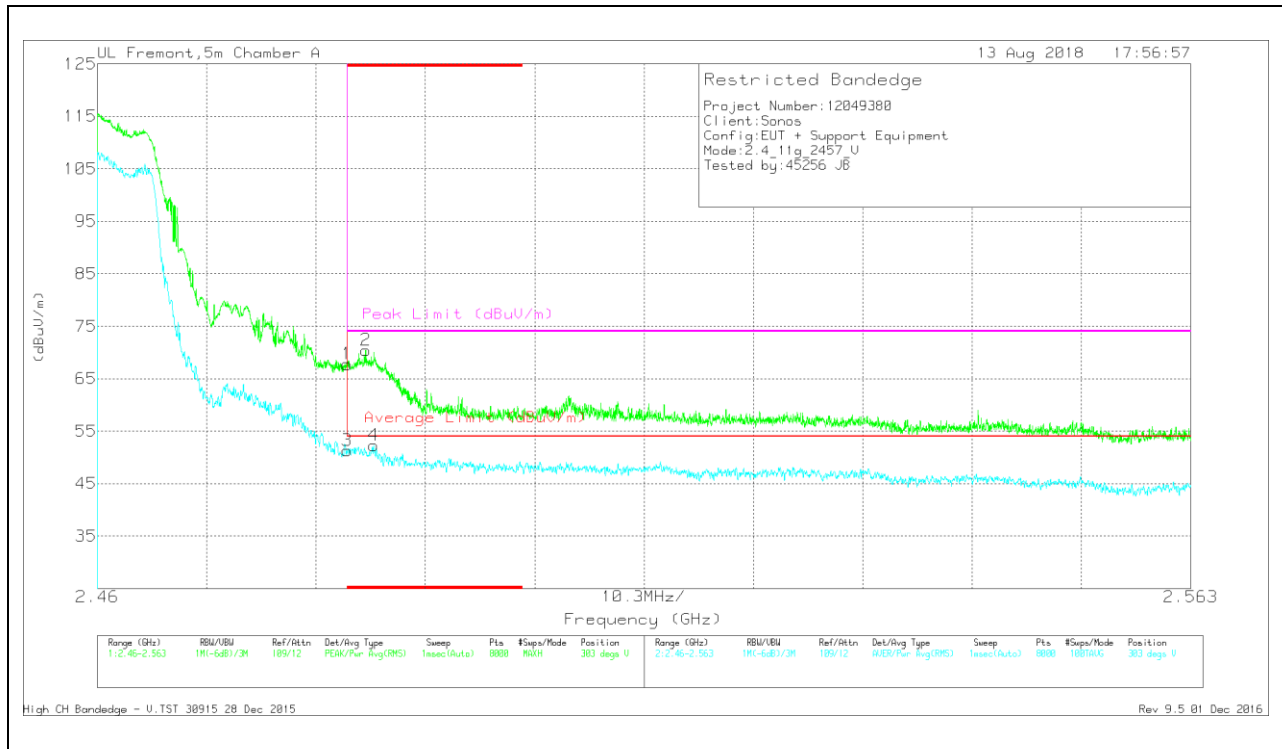
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1862 (dBm)	Amp/CbVftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.99	Pk	32.3	-22.9	65.39	-	-	74	-8.61	266	208	H
3	* 2.484	42.05	RMS	32.3	-22.9	51.45	54	-2.55	-	-	266	208	H
4	* 2.484	42.27	RMS	32.3	-22.9	51.67	54	-2.33	-	-	266	208	H
2	* 2.486	58.44	Pk	32.3	-22.8	67.94	-	-	74	-6.06	266	208	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



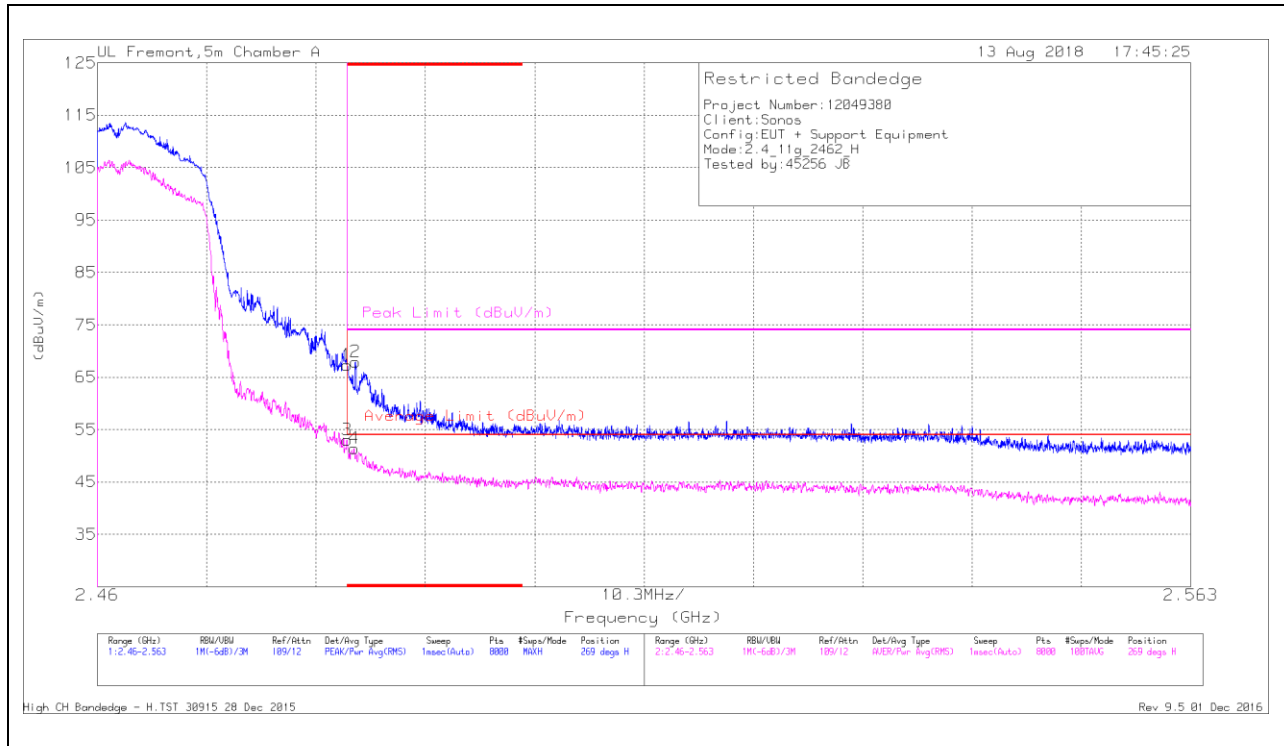
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cb/IFtr/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	58.34	Pk	32.3	-22.9	67.74	-	-	74	-6.26	303	187	V
3	* 2.484	41.87	RMS	32.3	-22.9	51.27	54	-2.73	-	-	303	187	V
2	* 2.485	60.95	Pk	32.3	-22.8	70.45	-	-	74	-3.55	303	187	V
4	* 2.486	42.82	RMS	32.3	-22.8	52.32	54	-1.68	-	-	303	187	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

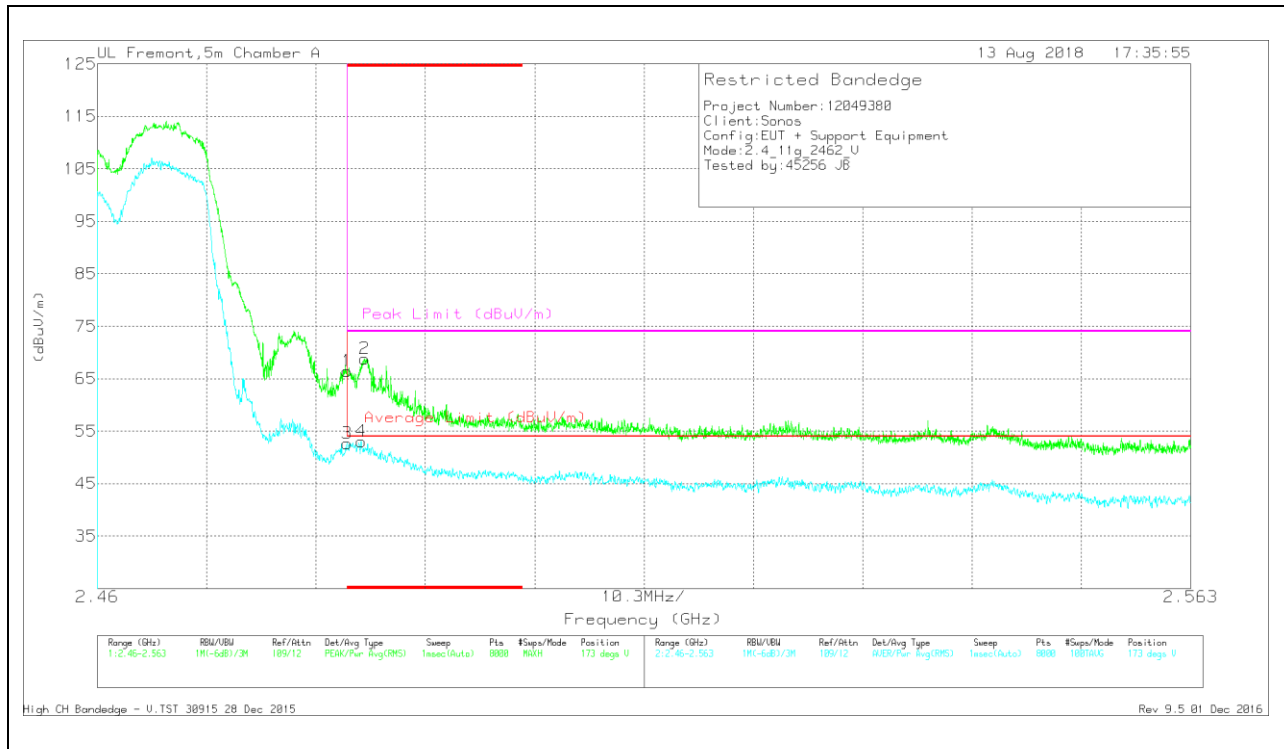
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1862 (dBm)	Amp/CbVftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.94	Pk	32.3	-22.9	67.34	-	-	74	-6.66	269	290	H
2	* 2.484	58.47	Pk	32.3	-22.9	67.87	-	-	74	-6.13	269	290	H
3	* 2.484	43.63	RMS	32.3	-22.9	53.03	54	-97	-	-	269	290	H
4	* 2.484	42.01	RMS	32.3	-22.9	51.41	54	-2.59	-	-	269	290	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



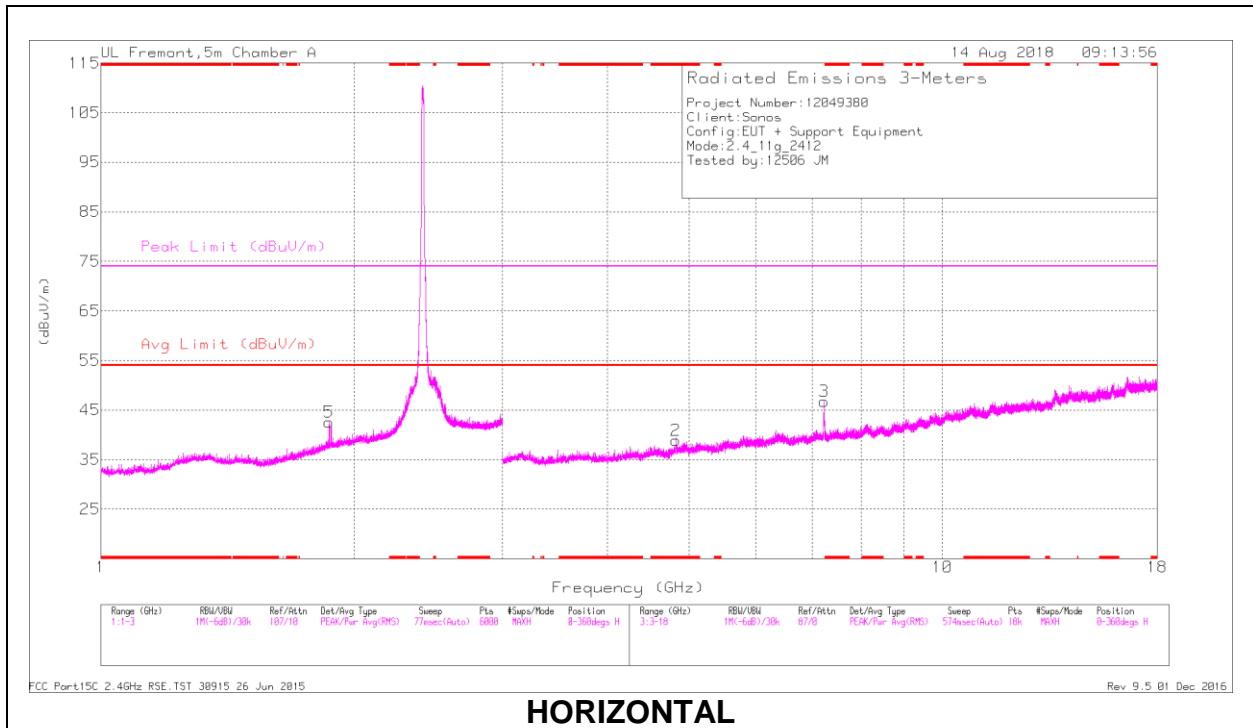
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cb/IFtr/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	56.99	Pk	32.3	-22.9	66.39	-	-	74	-7.61	173	110	V
3	* 2.484	43.2	RMS	32.3	-22.9	52.6	54	-1.4	-	-	173	110	V
2	* 2.485	59.25	Pk	32.3	-22.8	68.75	-	-	74	-5.25	173	110	V
4	* 2.485	43.67	RMS	32.3	-22.9	53.07	54	-93	-	-	173	110	V

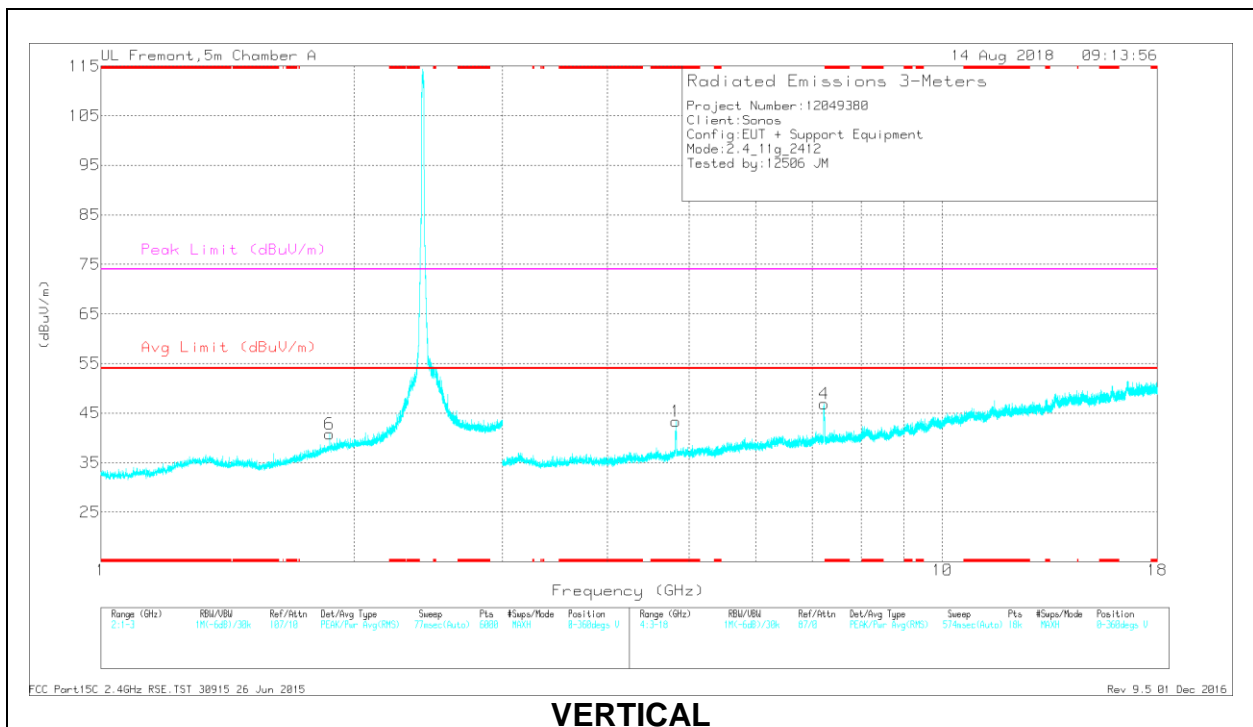
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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
2	* 4.821	30.71	Pk	34.2	-26	38.91	-	-	74	-35.09	0-360	199	H
1	* 4.82	35.09	Pk	34.2	-26	43.29	-	-	74	-30.71	0-360	200	V
5	1.868	34.42	Pk	31	-22.9	42.52	-	-	-	-	0-360	199	H
6	1.869	32.7	Pk	31	-22.9	40.8	-	-	-	-	0-360	200	V
4	7.233	34.32	Pk	35.7	-23.1	46.92	-	-	-	-	0-360	101	V
3	7.234	34.17	Pk	35.7	-23.1	46.77	-	-	-	-	0-360	101	H

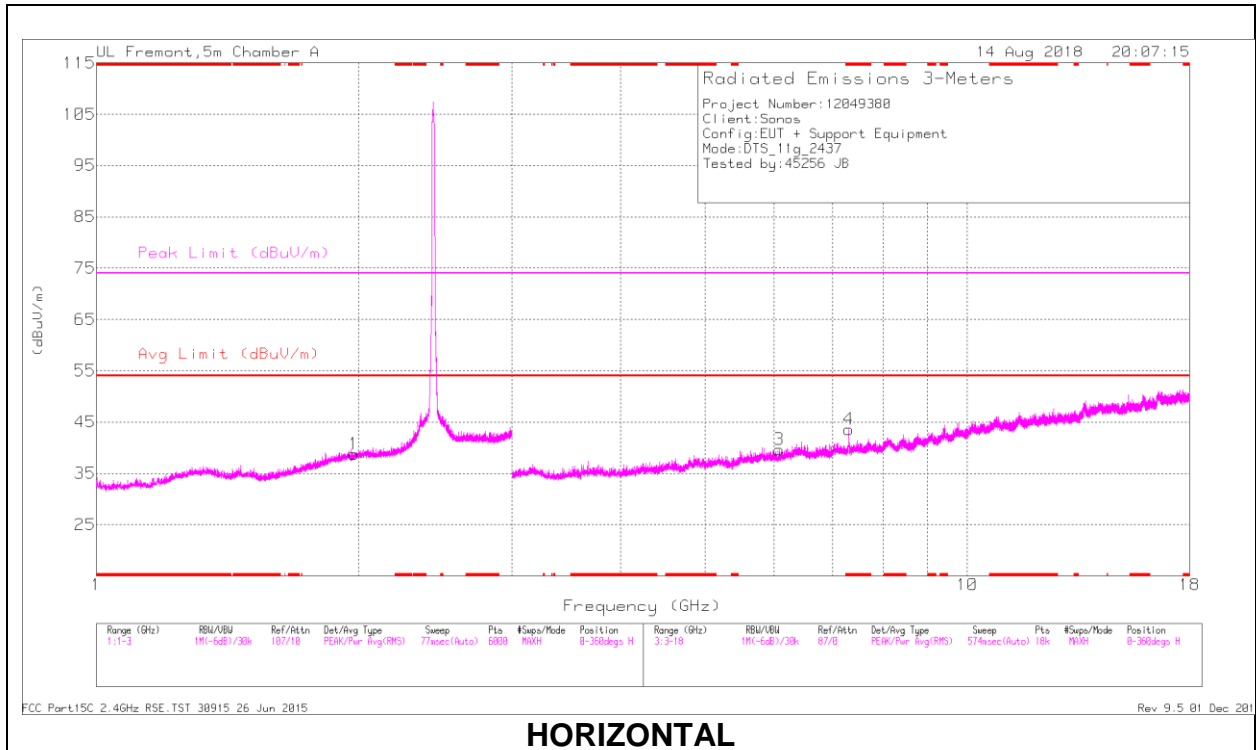
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector

Radiated Emissions

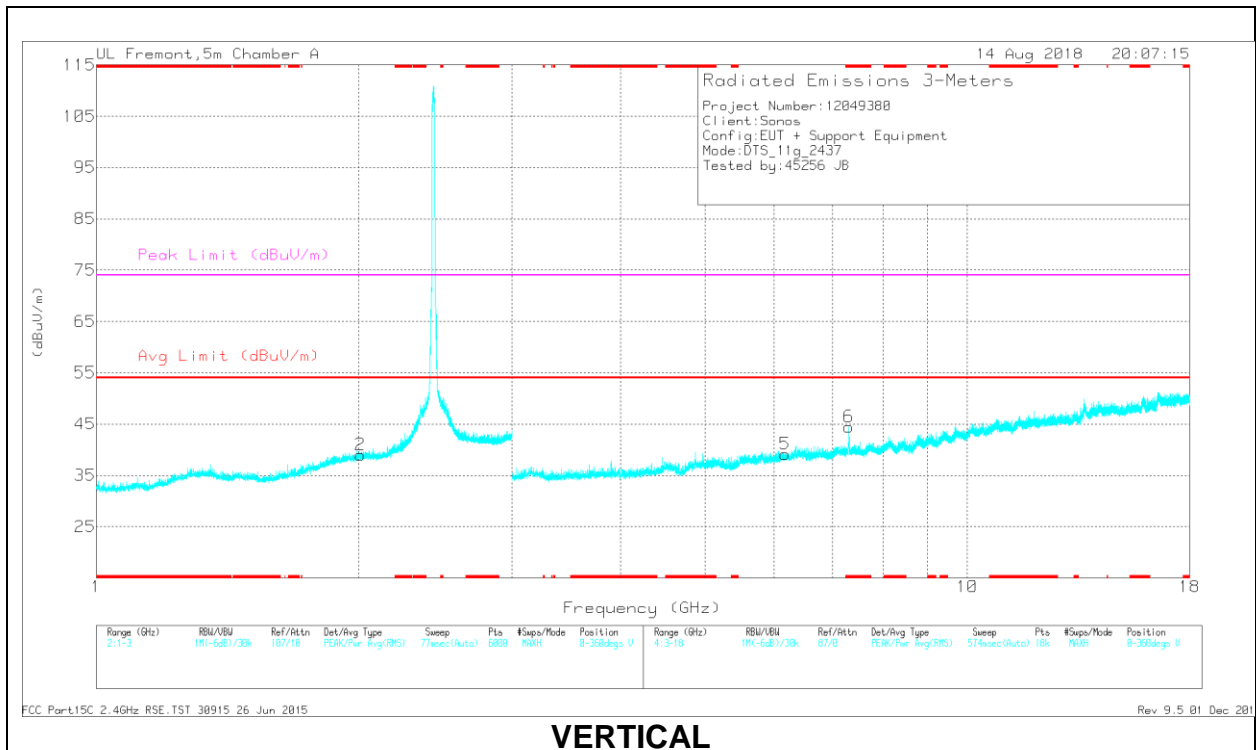
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.821	39.72	PK2	34.2	-26	47.92	-	-	74	-26.08	164	179	H
* 4.82	27.92	MAv1	34.2	-26	36.12	54	-17.88	-	-	164	179	H
* 4.82	44.16	PK2	34.2	-26	52.36	-	-	74	-21.64	213	228	V
* 4.82	32.61	MAv1	34.2	-26	40.81	54	-13.19	-	-	213	228	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 7.311	31.04	Pk	35.7	-23.2	0	43.54	-	-	74	-30.46	0-360	199	H
6	* 7.306	31.91	Pk	35.7	-23.2	0	44.41	-	-	74	-29.59	0-360	200	V
1	1.974	30.39	Pk	31.4	-23	0	38.79	-	-	-	-	0-360	101	H
2	2.008	30.62	Pk	31.4	-23	0	39.02	-	-	-	-	0-360	200	V
3	6.082	29.09	Pk	35.5	-25	0	39.59	-	-	-	-	0-360	199	H
5	6.177	27.92	Pk	35.6	-24.4	0	39.12	-	-	-	-	0-360	101	V

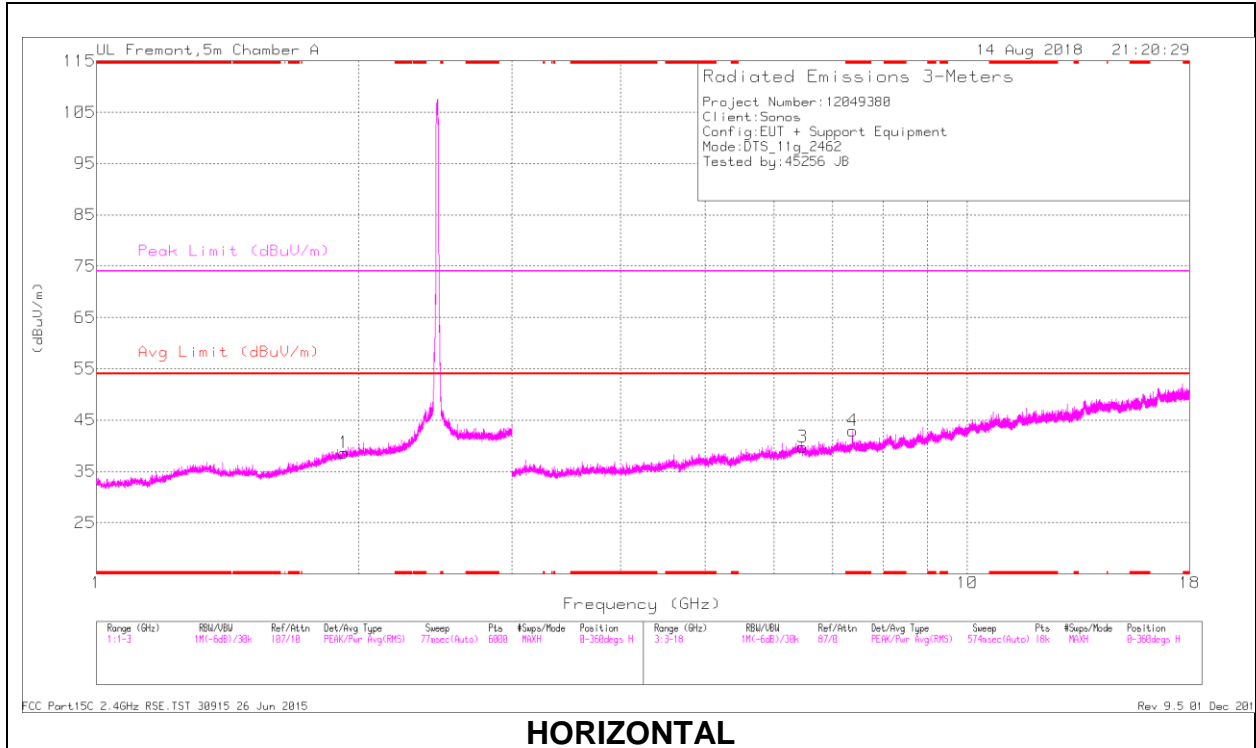
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector

Radiated Emissions

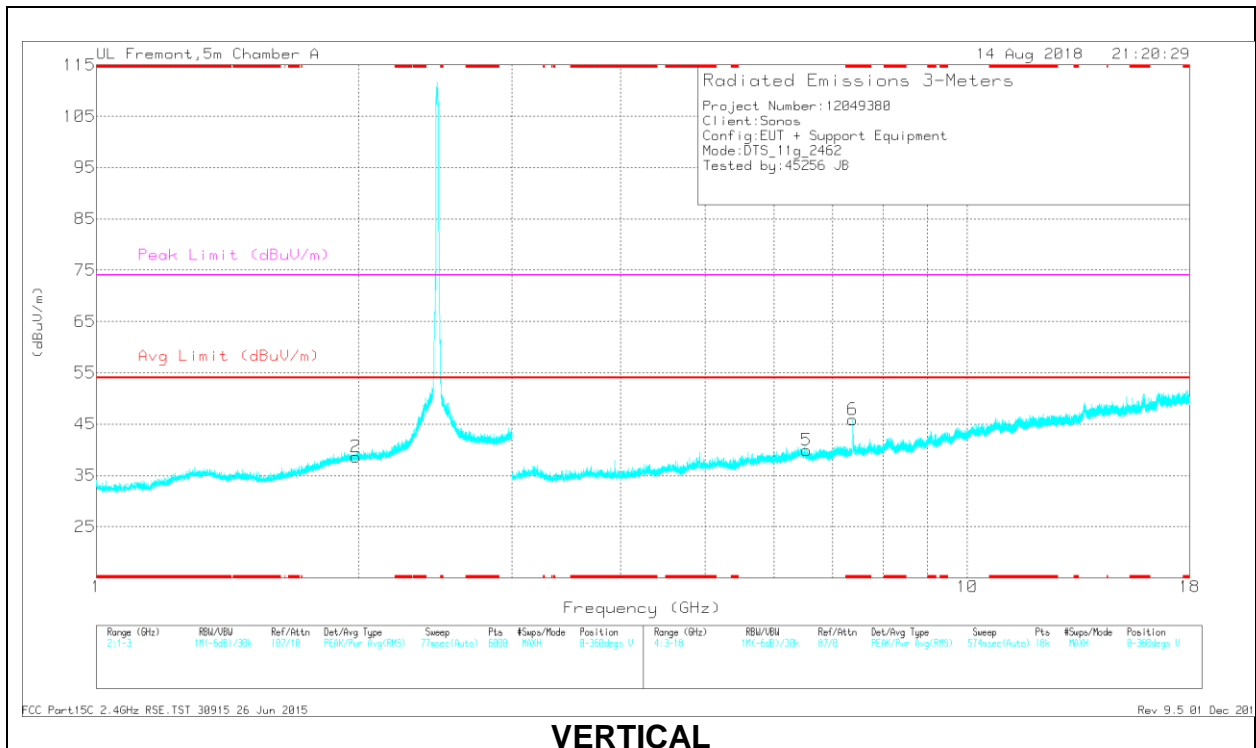
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.312	41.25	PK2	35.7	-23.2	0	53.75	-	-	74	-20.25	53	237	H
* 7.312	25.89	MAv1	35.7	-23.2	0	38.39	54	-15.61	-	-	53	237	H
* 7.306	40.82	PK2	35.7	-23.2	0	53.32	-	-	74	-20.68	337	212	V
* 7.306	24.76	MAv1	35.7	-23.2	0	37.26	54	-16.74	-	-	337	212	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 7.387	29.46	Pk	35.6	-22.1	0	42.96	-	-	74	-31.04	0-360	199	H
6	* 7.385	32.3	Pk	35.6	-22.1	0	45.8	-	-	74	-28.2	0-360	200	V
1	1.926	30.27	Pk	31.2	-22.8	0	38.67	-	-	-	-	0-360	199	H
2	1.984	30.18	Pk	31.4	-23	0	38.58	-	-	-	-	0-360	200	V
3	6.466	27.66	Pk	35.7	-23.6	0	39.76	-	-	-	-	0-360	199	H
5	6.539	28.14	Pk	35.7	-23.9	0	39.94	-	-	-	-	0-360	101	V

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

Radiated Emissions

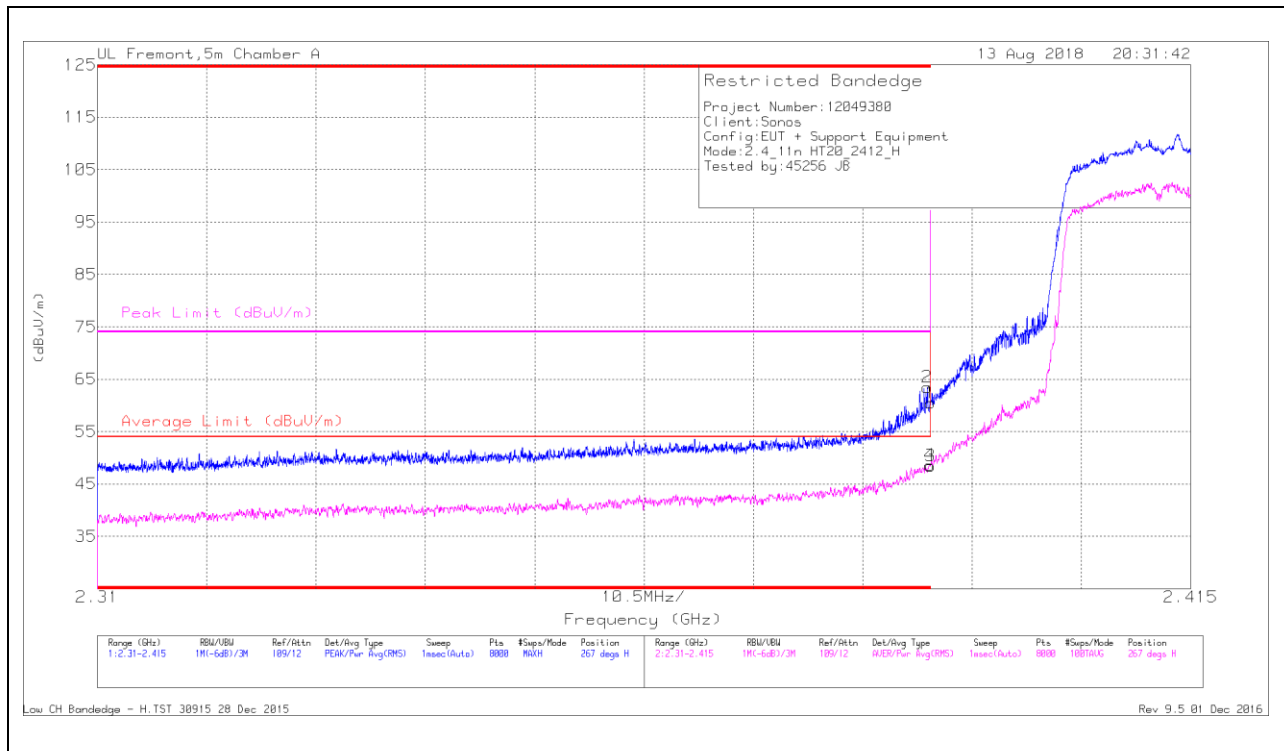
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.388	39.85	PK2	35.6	-22.1	0	53.35	-	-	74	-20.65	53	235	H
* 7.387	24.88	MAv1	35.6	-22.1	0	38.38	54	-15.62	-	-	53	235	H
* 7.385	40.61	PK2	35.6	-22.1	0	54.11	-	-	74	-19.89	6	225	V
* 7.385	25.63	MAv1	35.6	-22.1	0	39.13	54	-14.87	-	-	6	225	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

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

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

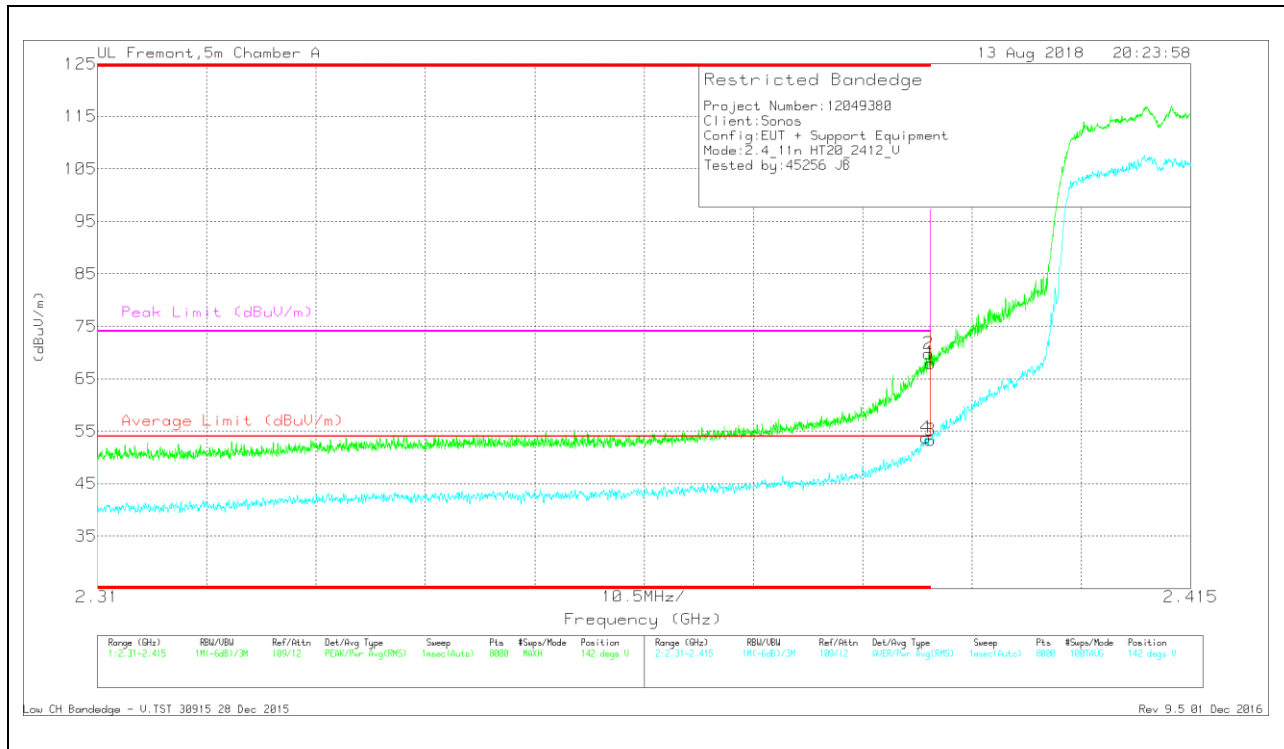
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.71	Pk	31.8	-23	0	60.51	-	-	74	-13.49	267	313	H
2	* 2.39	54.63	Pk	31.8	-23	0	63.43	-	-	74	-10.57	267	313	H
3	* 2.39	39.34	RMS	31.8	-23	.32	48.46	54	-5.54	-	-	267	313	H
4	* 2.39	39.44	RMS	31.8	-23	.32	48.56	54	-5.44	-	-	267	313	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



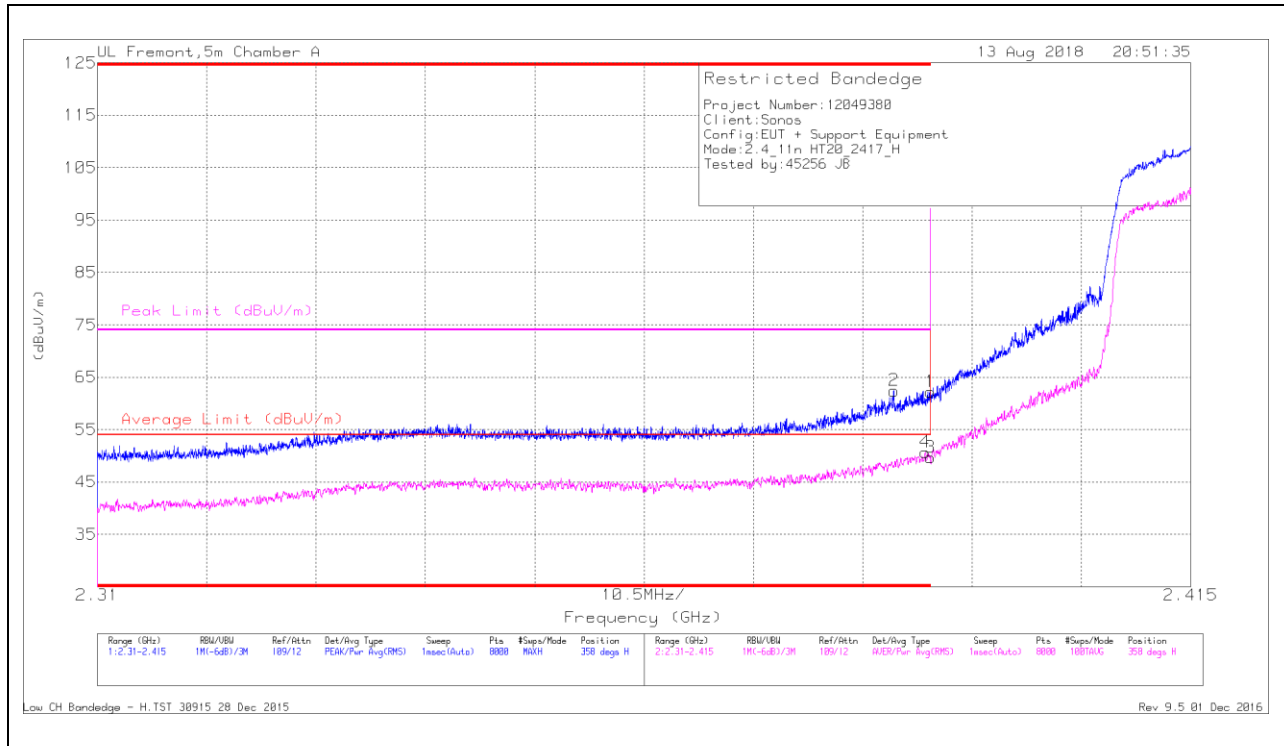
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cb/IFtr/Pad (dB)	DC Corr (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	59.18	Pk	31.8	-23	0	67.98	-	-	74	-6.02	142	124	V
2	* 2.39	61.02	Pk	31.8	-23	0	69.82	-	-	74	-4.18	142	124	V
3	* 2.39	44.18	RMS	31.8	-23	.32	53.3	54	-7	-	-	142	124	V
4	* 2.39	44.63	RMS	31.8	-23	.32	53.75	54	-25	-	-	142	124	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT



Trace Markers

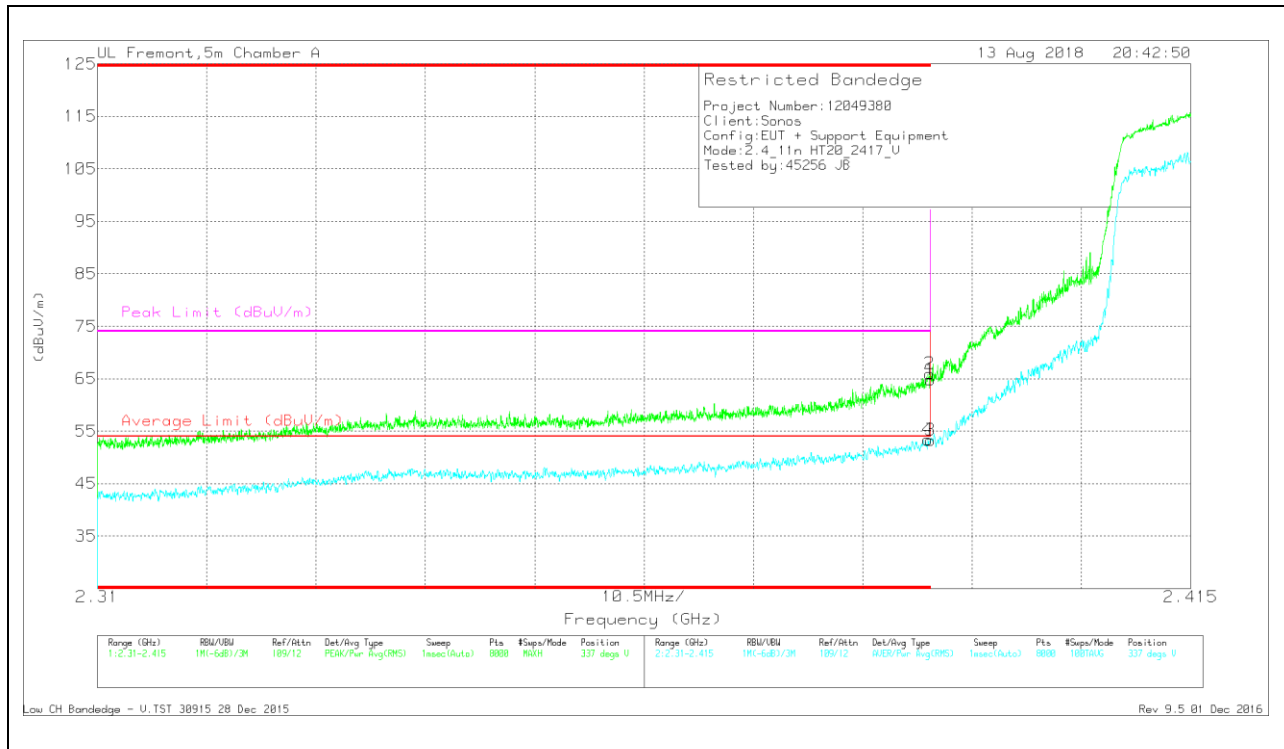
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1862 (dBm)	Amp/CbV/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.386	53.6	Pk	31.8	-23	0	62.4	-	-	74	-11.6	358	237	H
1	* 2.39	53.43	Pk	31.8	-23	0	62.23	-	-	74	-11.77	358	237	H
3	* 2.39	40.56	RMS	31.8	-23	.32	49.68	54	-4.32	-	-	358	237	H
4	* 2.39	41.49	RMS	31.8	-23	.32	50.61	54	-3.39	-	-	358	237	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



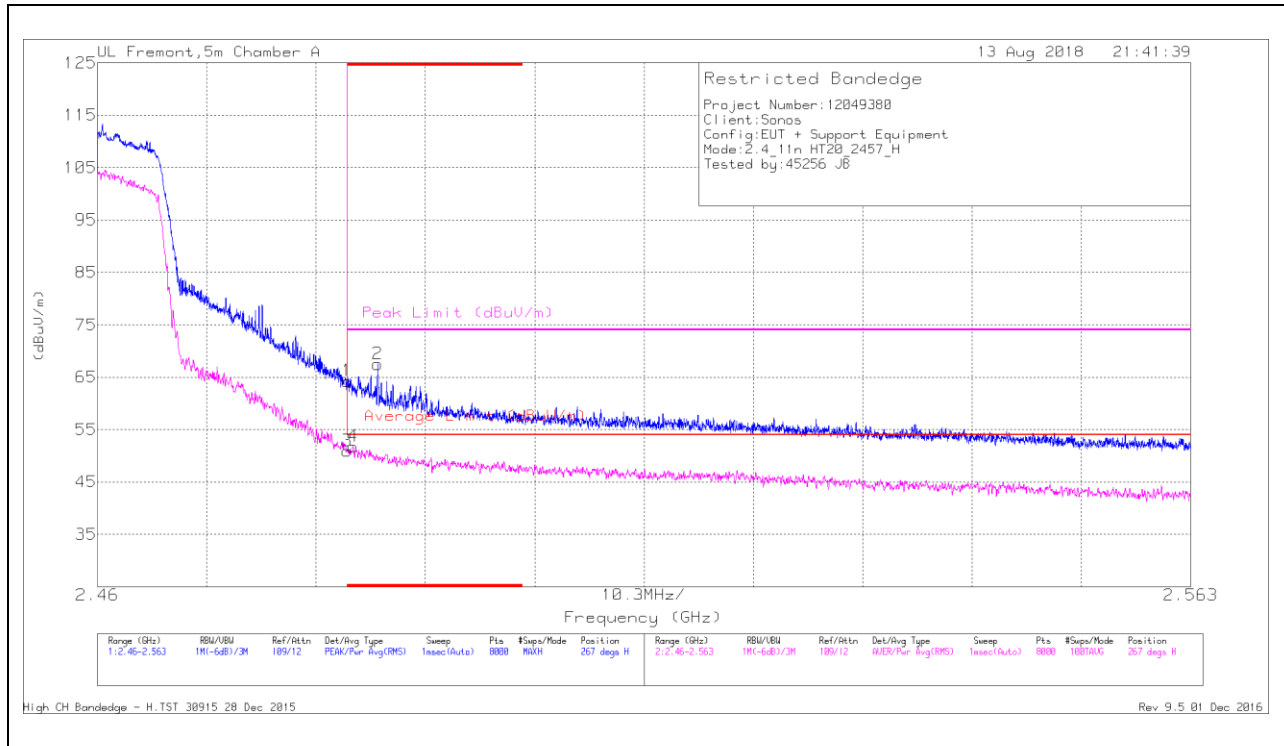
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/IFtr/Pad (dB)	DC Corr (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	55.97	Pk	31.8	-23	0	64.77	-	-	74	-9.23	337	259	V
2	* 2.39	57.1	Pk	31.8	-23	0	65.9	-	-	74	-8.1	337	259	V
3	* 2.39	44.14	RMS	31.8	-23	.32	53.26	54	-7.4	-	-	337	259	V
4	* 2.39	44.33	RMS	31.8	-23	.32	53.45	54	-5.5	-	-	337	259	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



Trace Markers

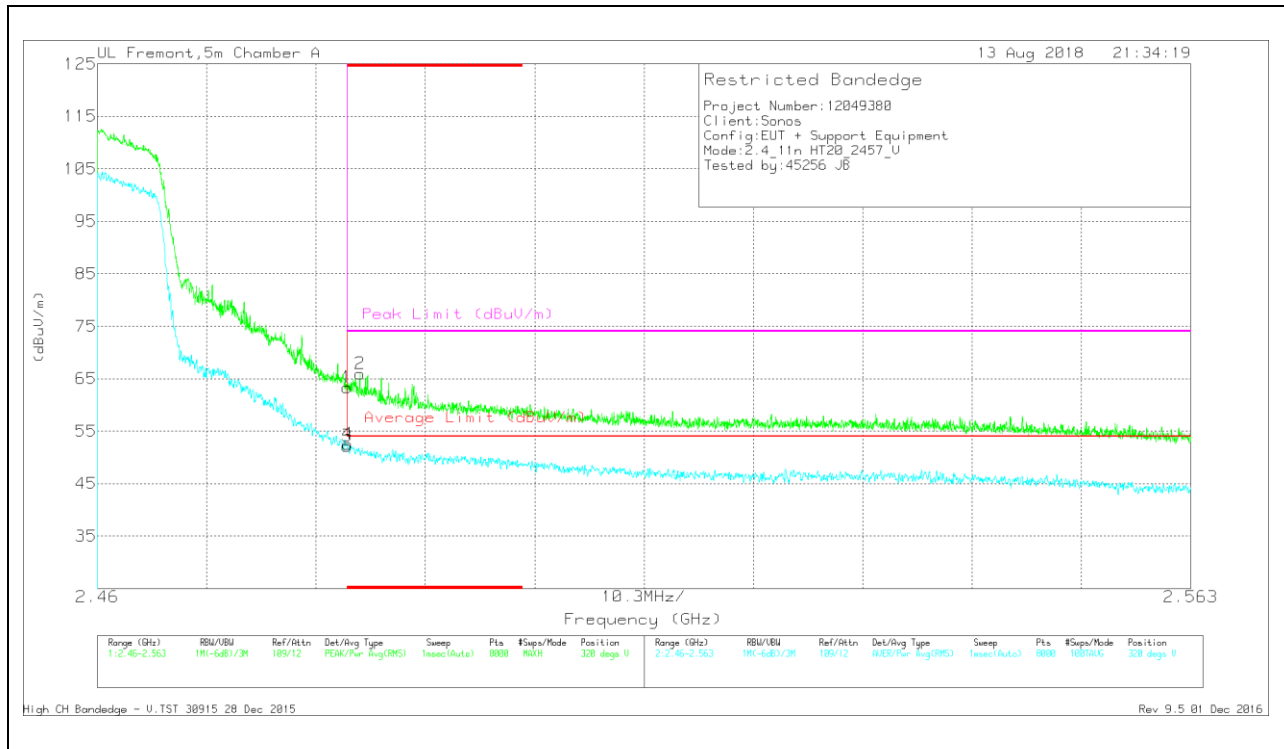
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1862 (dBm)	Amp/CbVftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.86	Pk	32.3	-22.9	0	64.26	-	-	74	-9.74	267	207	H
3	* 2.484	41.18	RMS	32.3	-22.9	.32	50.9	54	-3.1	-	-	267	207	H
4	* 2.484	42.09	RMS	32.3	-22.9	.32	51.81	54	-2.19	-	-	267	207	H
2	* 2.486	57.99	Pk	32.3	-22.8	0	67.49	-	-	74	-6.51	267	207	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



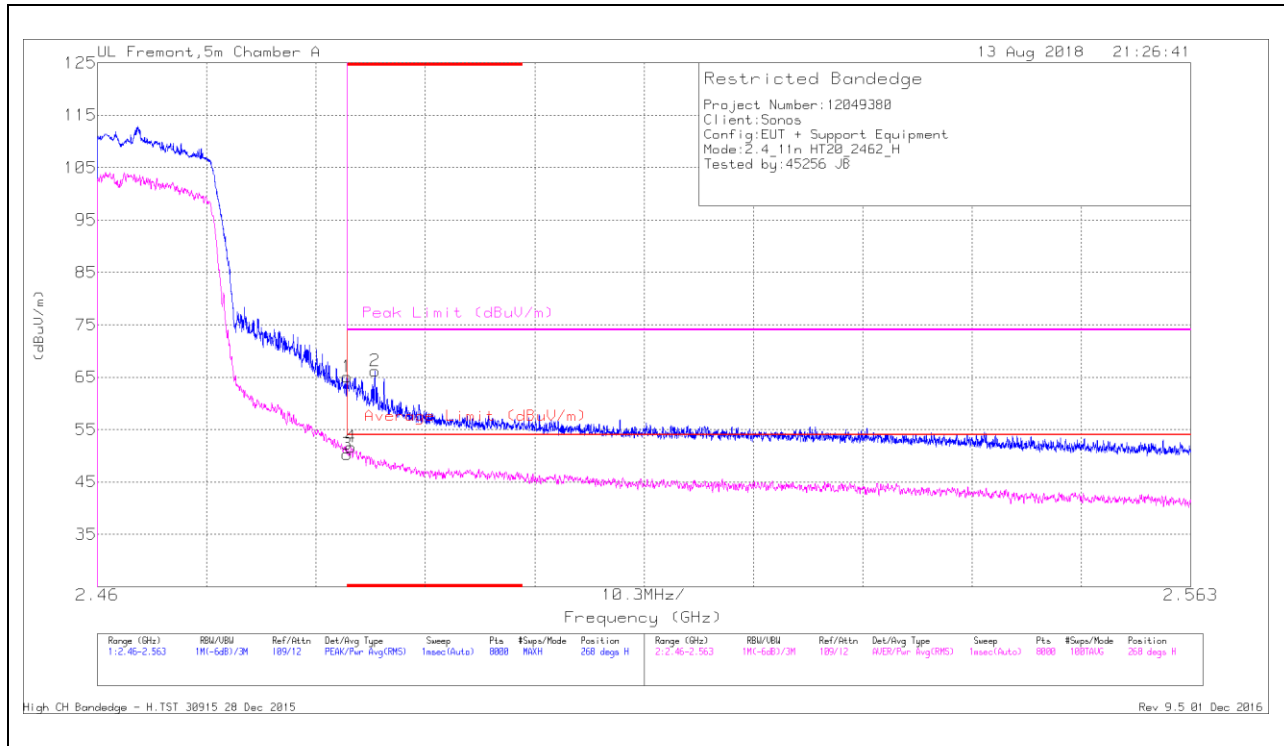
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/IFtr/Pad (dB)	DC Corr (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	53.97	Pk	32.3	-22.9	0	63.37	-	-	74	-10.63	320	184	V
3	* 2.484	42.4	RMS	32.3	-22.9	.32	52.12	54	-1.88	-	-	320	184	V
4	* 2.484	42.84	RMS	32.3	-22.9	.32	52.56	54	-1.44	-	-	320	184	V
2	* 2.485	56.49	Pk	32.3	-22.9	0	65.89	-	-	74	-8.11	320	184	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1862 (dBm)	Amp/CbVftr/Pad (dB)	DC Corr (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	55.68	Pk	32.3	-22.9	0	65.08	-	-	74	-8.92	268	145	H
3	* 2.484	40.61	RMS	32.3	-22.9	.32	50.33	54	-3.67	-	-	268	145	H
4	* 2.484	41.99	RMS	32.3	-22.9	.32	51.71	54	-2.29	-	-	268	145	H
2	* 2.486	56.71	Pk	32.3	-22.9	0	66.21	-	-	74	-7.79	268	145	H

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

Pk - Peak detector

RMS - RMS detection