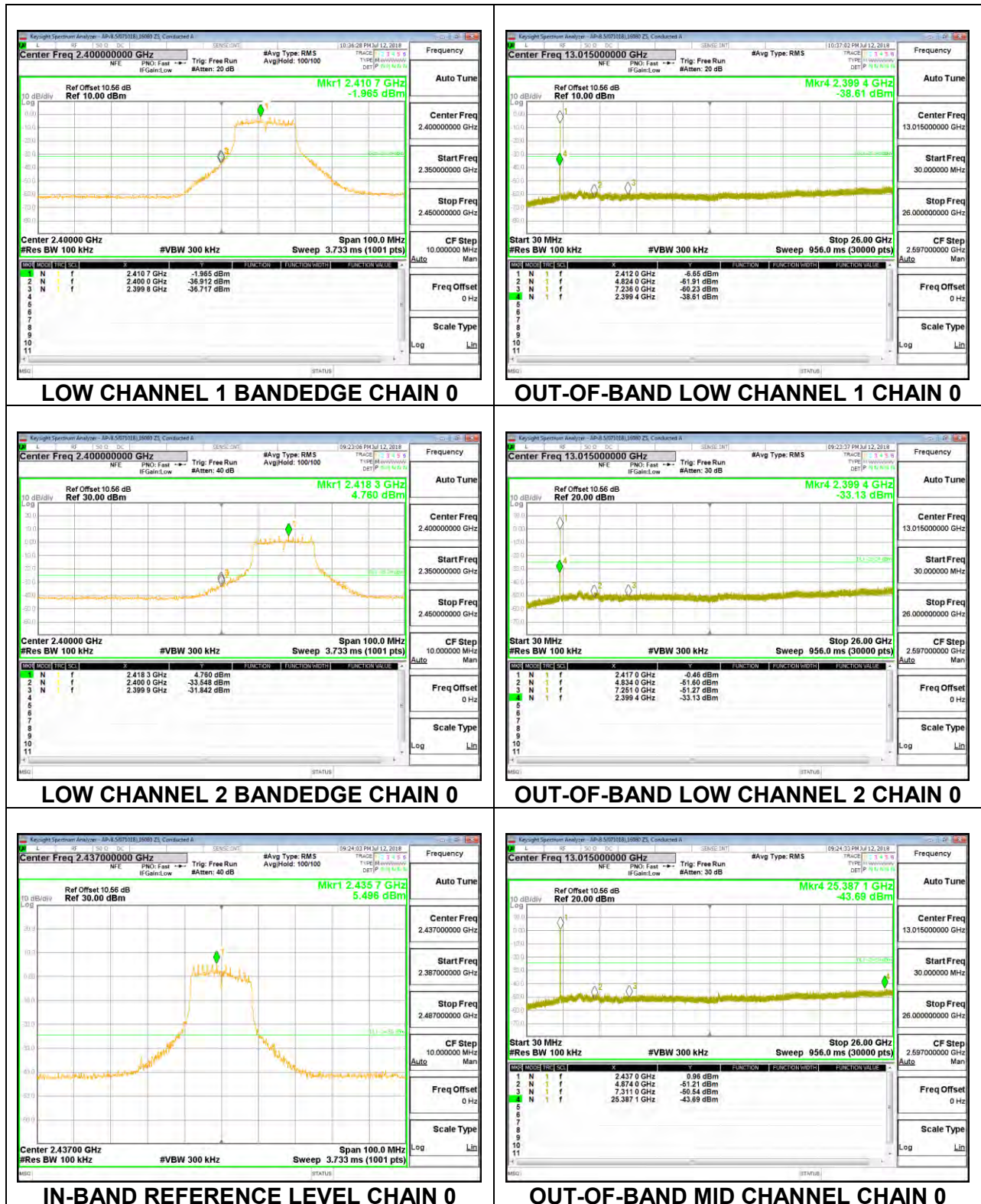
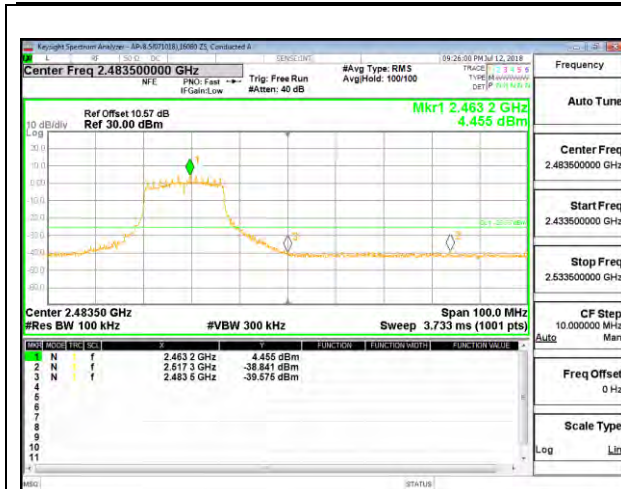


8.6.2. 802.11g MODE

2TX Antenna 1 + Antenna 2 CDD MODE

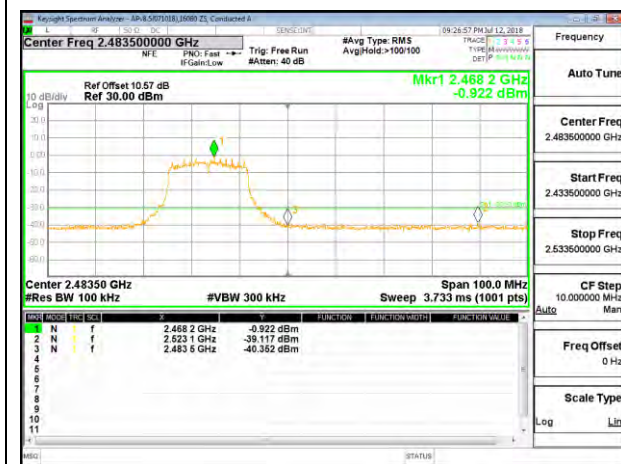




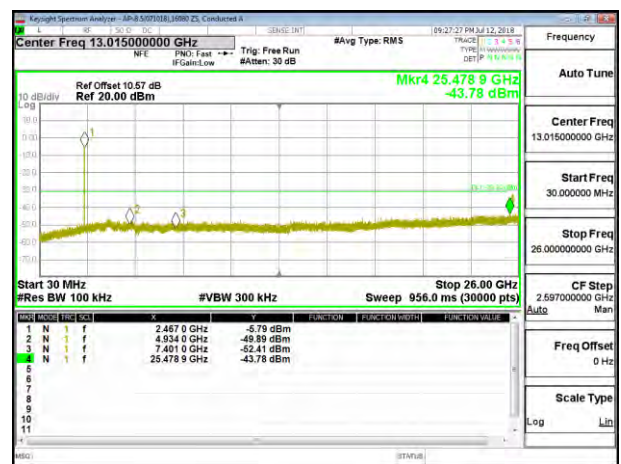
HIGH CHANNEL 11 BANDEDGE CHAIN 0



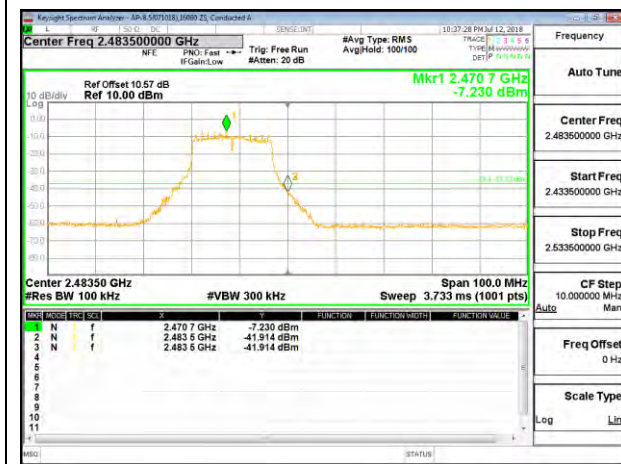
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 0



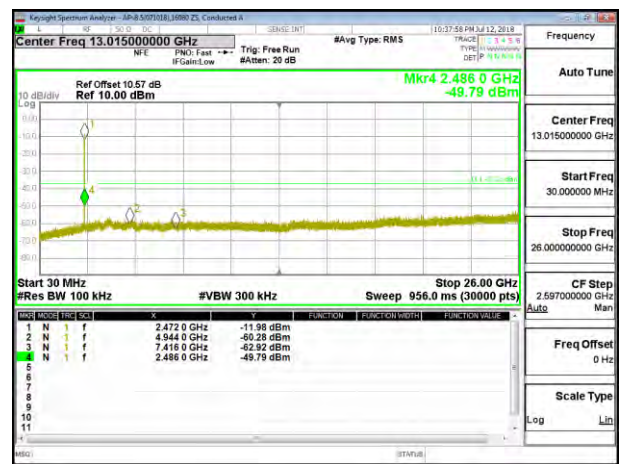
HIGH CHANNEL 12 BANDEDGE CHAIN 0



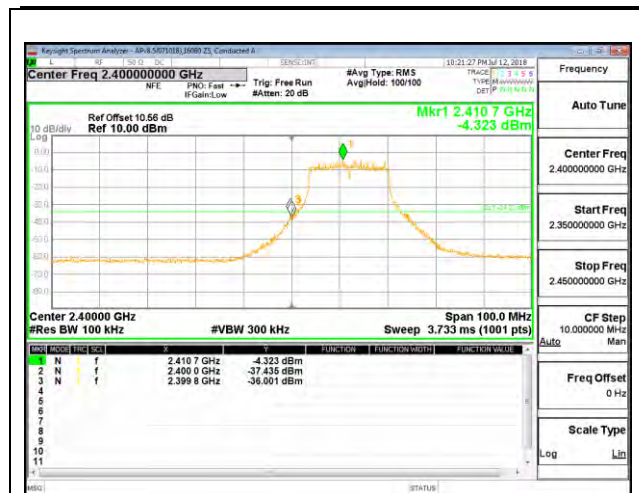
OUT-OF-BAND HIGH CHANNEL 12 CHAIN 0



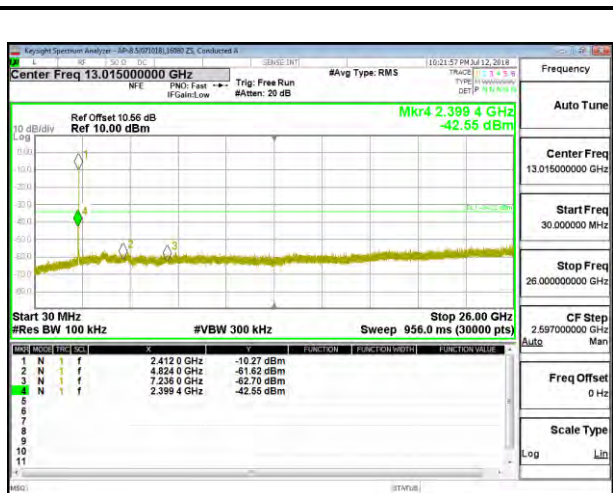
HIGH CHANNEL 13 BANDEDGE CHAIN 0



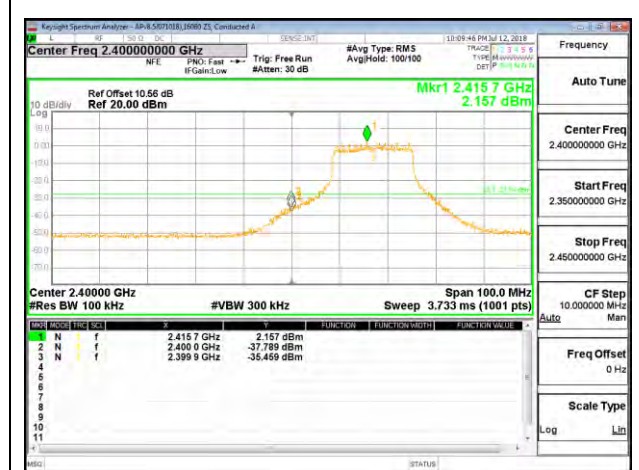
OUT-OF-BAND HIGH CHANNEL 13 CHAIN 0



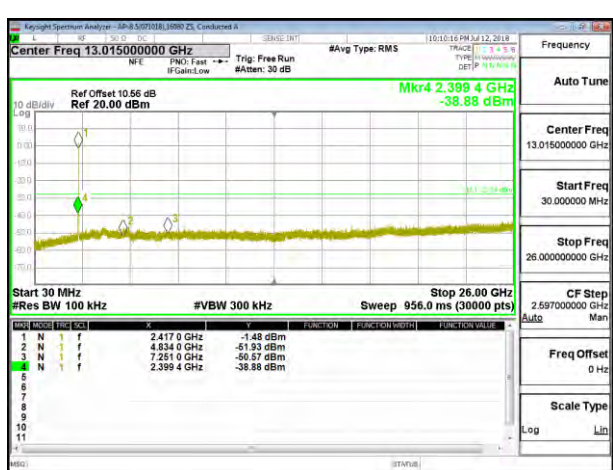
LOW CHANNEL 1 BANDEDGE CHAIN 1



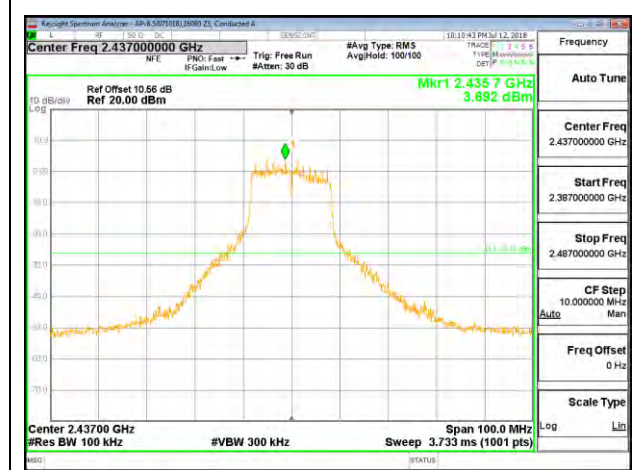
OUT-OF-BAND LOW CHANNEL 1 CHAIN 1



LOW CHANNEL 2 BANDEDGE CHAIN 1



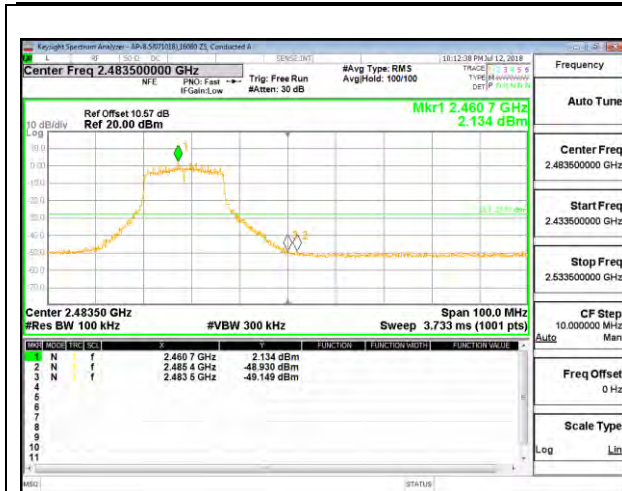
OUT-OF-BAND LOW CHANNEL 2 CHAIN 1



IN-BAND REFERENCE LEVEL CHAIN 1



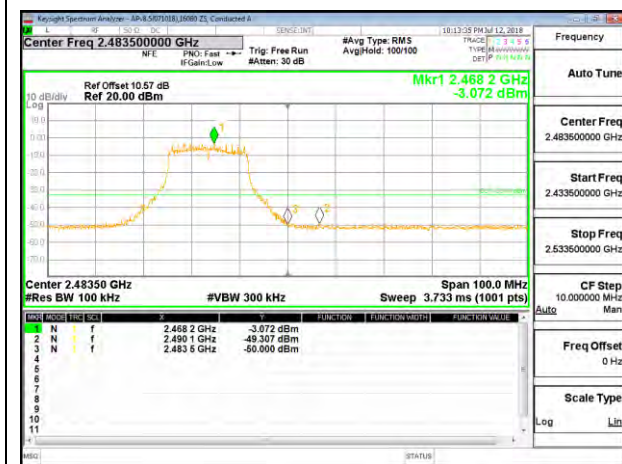
OUT-OF-BAND MID CHANNEL CHAIN 1



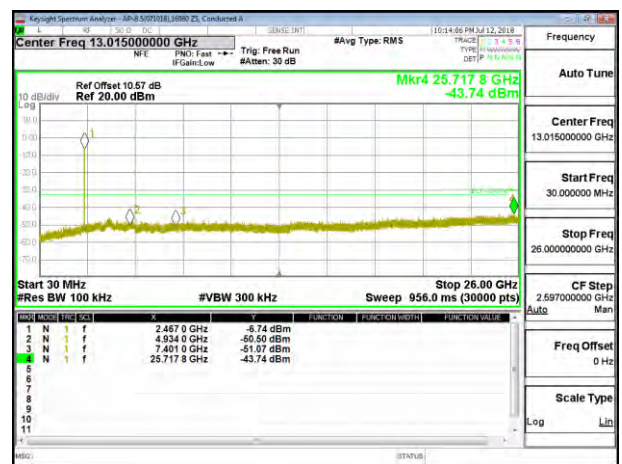
HIGH CHANNEL 11 BANDEDGE CHAIN 1



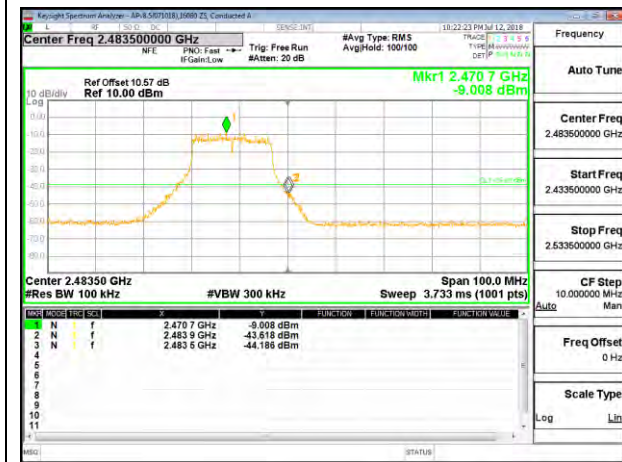
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 1



HIGH CHANNEL 12 BANDEDGE CHAIN 1



OUT-OF-BAND HIGH CHANNEL 12 CHAIN 1



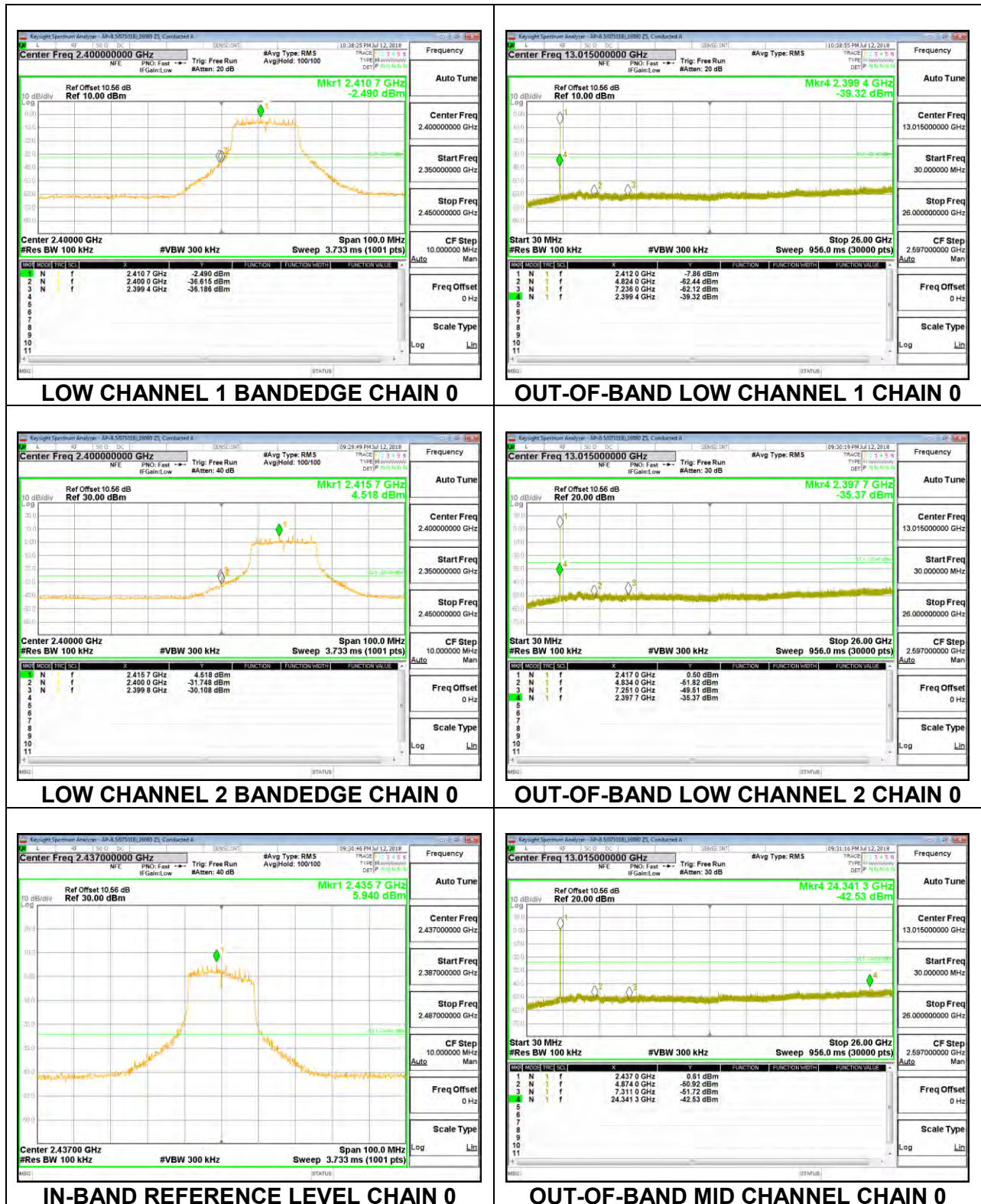
HIGH CHANNEL 13 BANDEDGE CHAIN 1

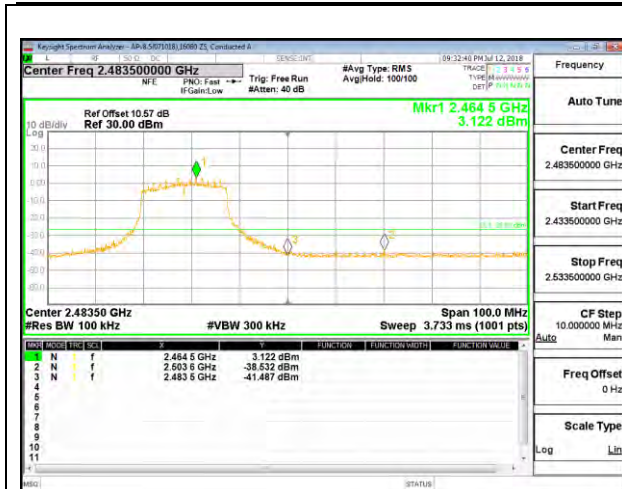


OUT-OF-BAND HIGH CHANNEL 13 CHAIN 1

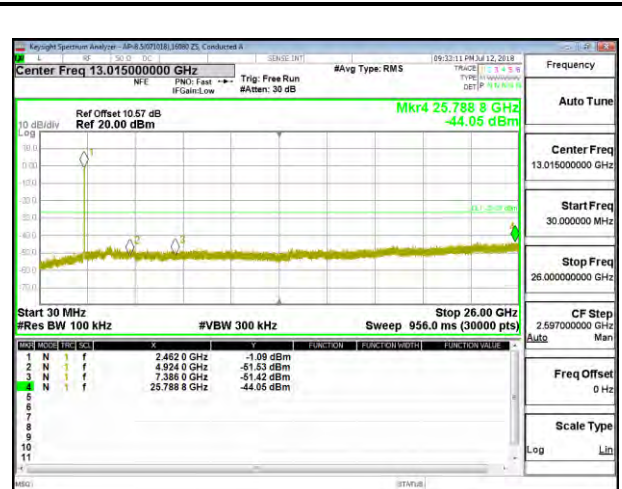
8.6.3. 802.11n HT20 MODE

2TX Antenna 1 + Antenna 2 CDD MODE





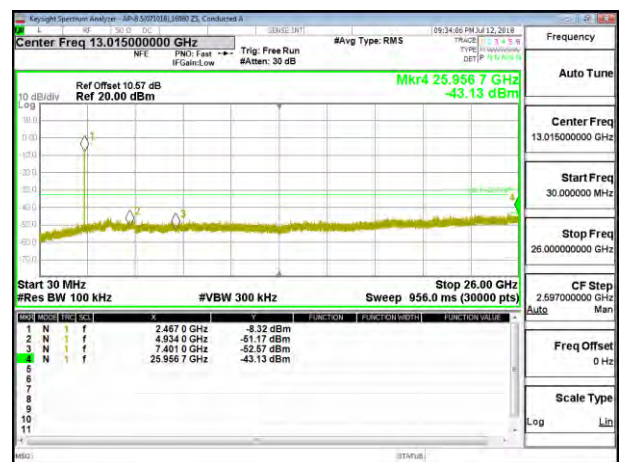
HIGH CHANNEL 11 BANDEDGE CHAIN 0



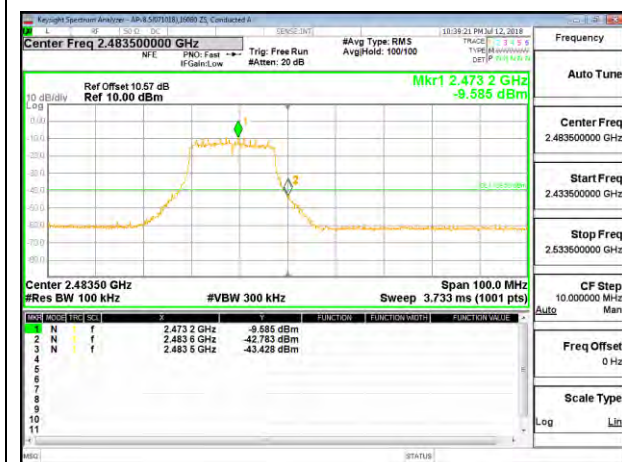
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 0



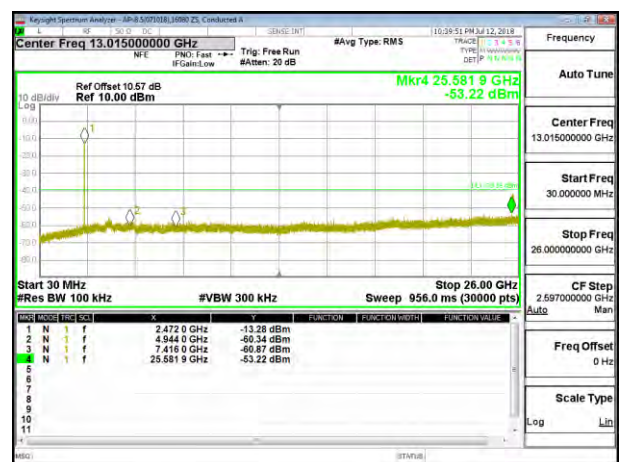
HIGH CHANNEL 12 BANDEDGE CHAIN 0



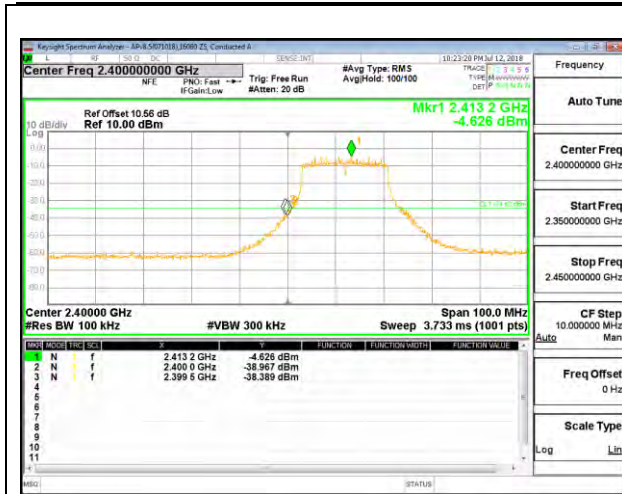
OUT-OF-BAND HIGH CHANNEL 12 CHAIN 0



HIGH CHANNEL 13 BANDEDGE CHAIN 0



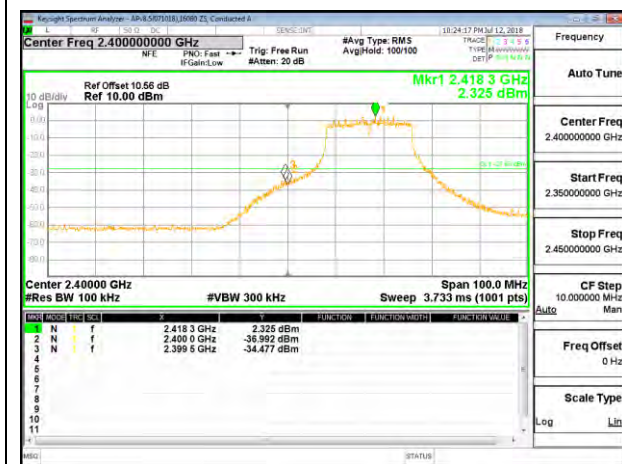
OUT-OF-BAND HIGH CHANNEL 13 CHAIN 0



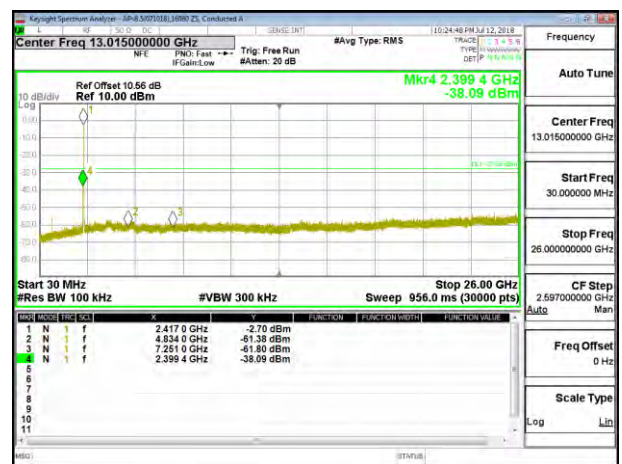
LOW CHANNEL 1 BANDEDGE CHAIN 1



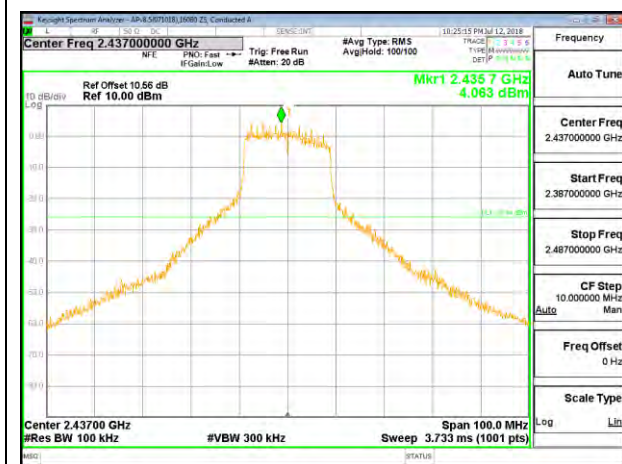
OUT-OF-BAND LOW CHANNEL 1 CHAIN 1



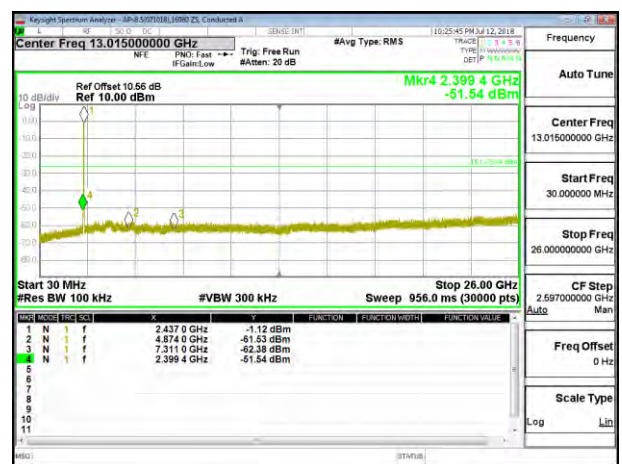
LOW CHANNEL 2 BANDEDGE CHAIN 1



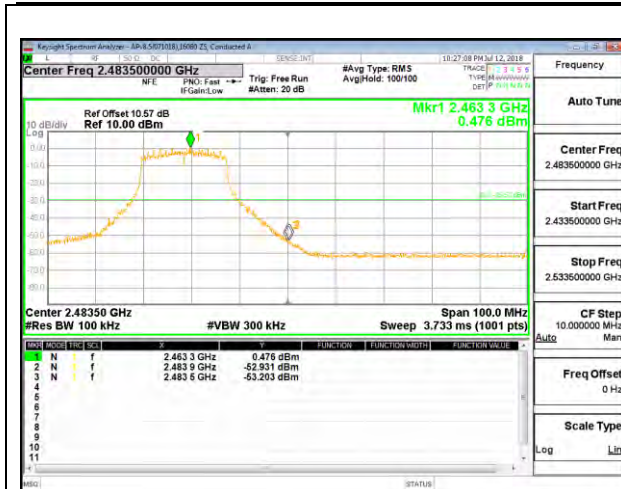
OUT-OF-BAND LOW CHANNEL 2 CHAIN 1



IN-BAND REFERENCE LEVEL CHAIN 1



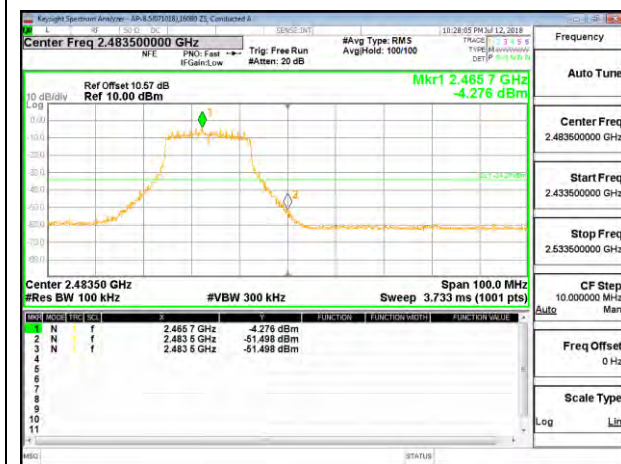
OUT-OF-BAND MID CHANNEL CHAIN 1



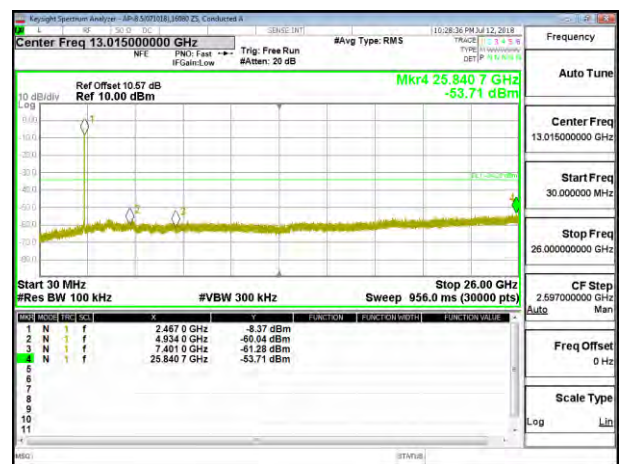
HIGH CHANNEL 11 BANDEDGE CHAIN 1



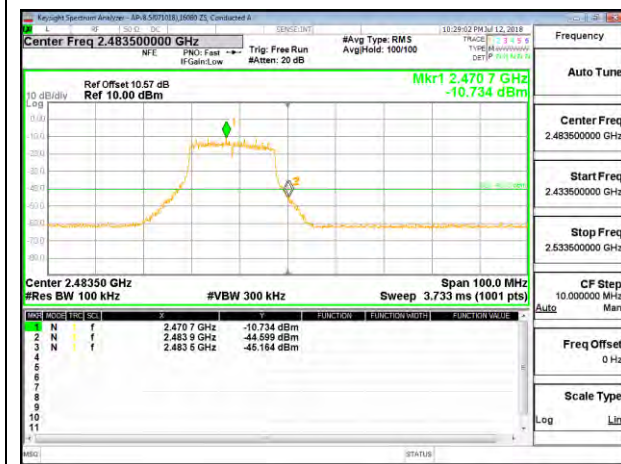
OUT-OF-BAND HIGH CHANNEL 11 CHAIN 1



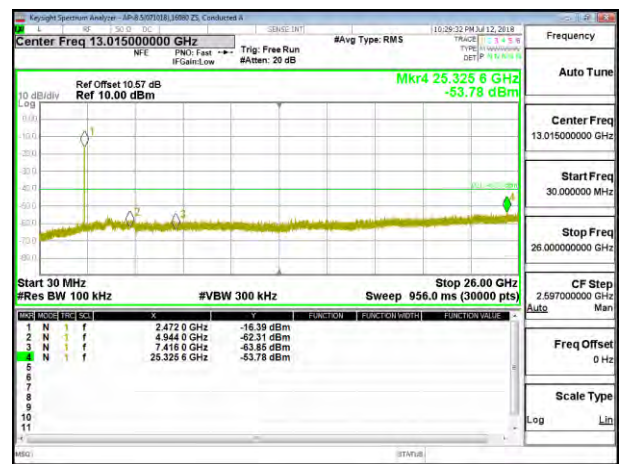
HIGH CHANNEL 12 BANDEDGE CHAIN 1



OUT-OF-BAND HIGH CHANNEL 12 CHAIN 1



HIGH CHANNEL 13 BANDEDGE CHAIN 1



OUT-OF-BAND HIGH CHANNEL 13 CHAIN 1

9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

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.

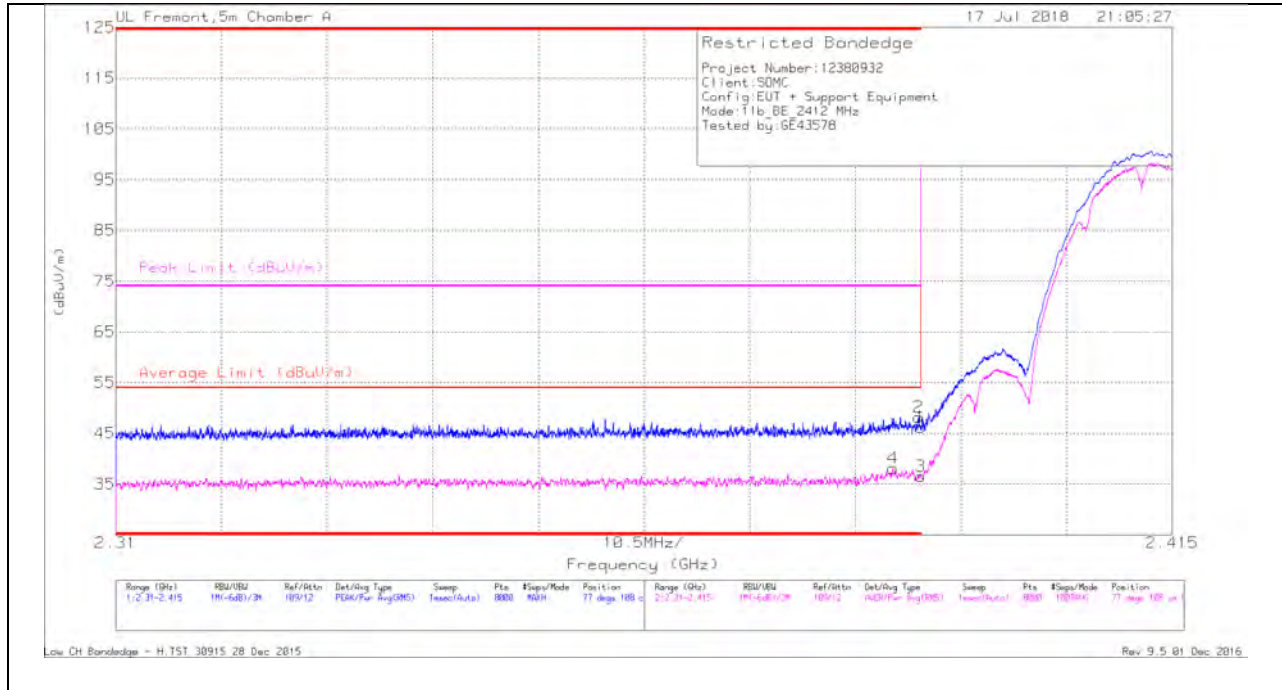
9.1. TRANSMITTER ABOVE 1 GHz

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

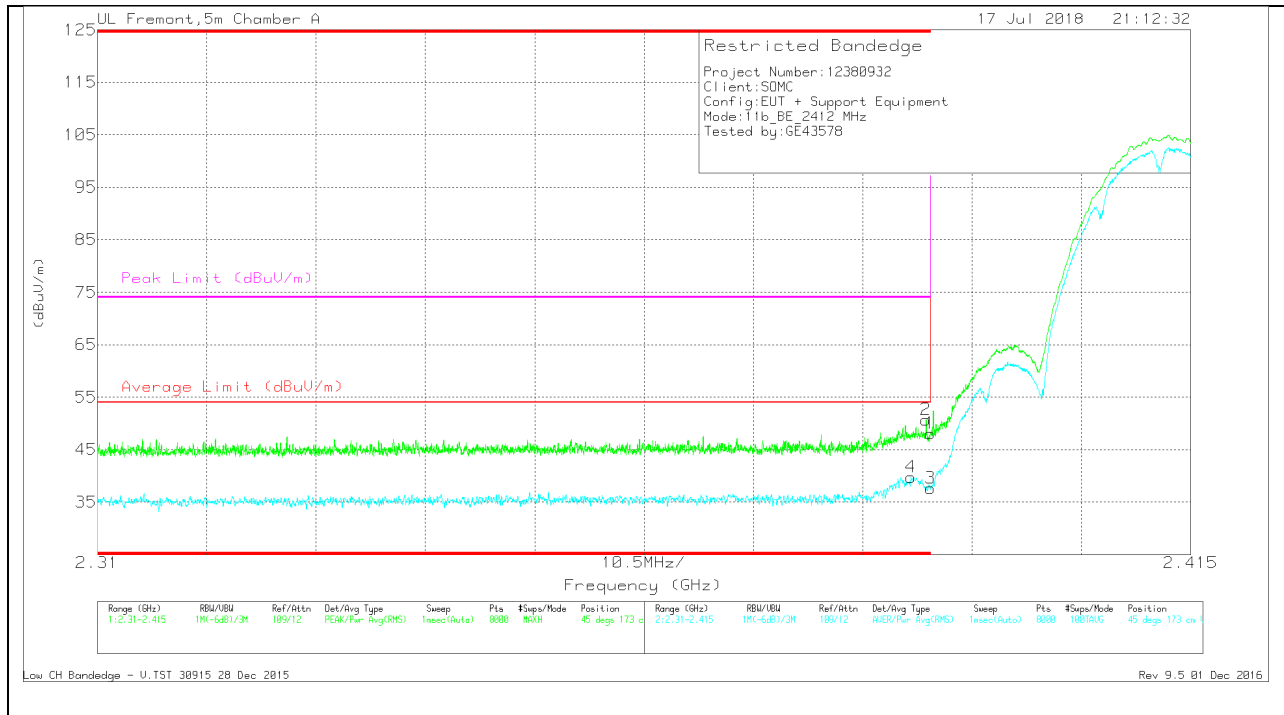
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.36	Pk	31.8	-23	0	46.16	-	-	74	-27.84	77	108	H
2	* 2.39	39.36	Pk	31.8	-23	0	48.16	-	-	74	-25.84	77	108	H
3	* 2.39	27.75	RMS	31.8	-23	0	36.55	54	-17.45	-	-	77	108	H
4	* 2.387	29.27	RMS	31.8	-23	0	38.07	54	-15.93	-	-	77	108	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



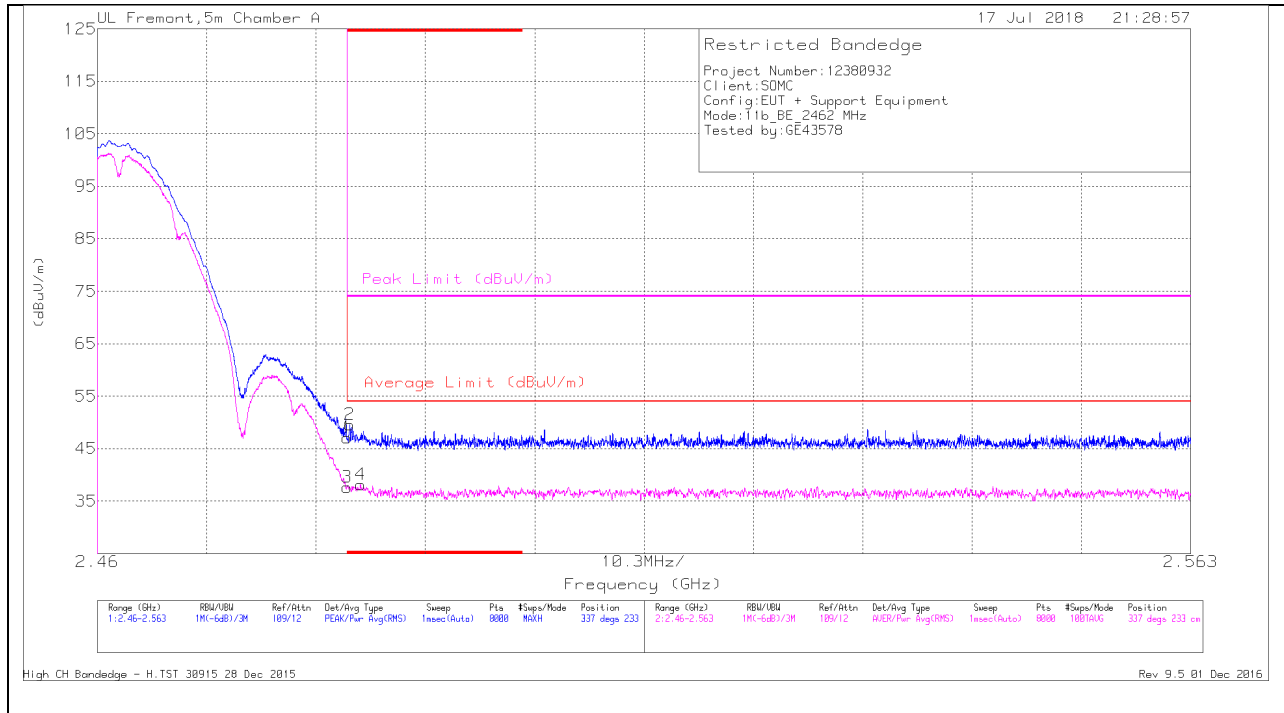
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
4	* 2.388	30.93	RMS	31.8	-23	0	39.73	54	-14.27	-	-	45	173	V
1	* 2.39	39.21	Pk	31.8	-23	0	48.01	-	-	74	-25.99	45	173	V
2	* 2.39	41.88	Pk	31.8	-23	0	50.68	-	-	74	-23.32	45	173	V
3	* 2.39	28.8	RMS	31.8	-23	0	37.6	54	-16.4	-	-	45	173	V

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

BANDEGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

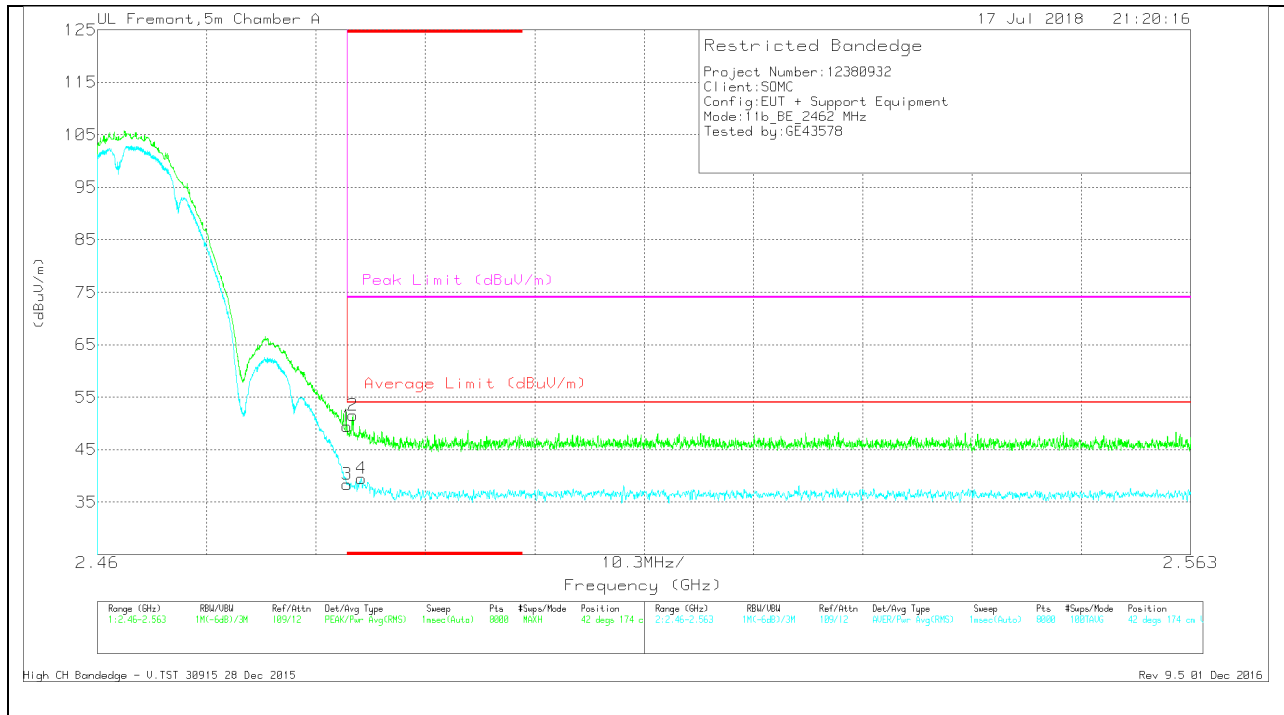


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/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
1	* 2.484	37.68	Pk	32.3	-22.9	0	47.08	-	-	74	-26.92	337	233	H
2	* 2.484	40.14	Pk	32.3	-22.9	0	49.54	-	-	74	-24.46	337	233	H
3	* 2.484	28.26	RMS	32.3	-22.9	0	37.66	54	-16.34	-	-	337	233	H
4	* 2.485	28.74	RMS	32.3	-22.9	0	38.14	54	-15.86	-	-	337	233	H

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

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 2.484	40.02	Pk	32.3	-22.9	0	49.42	-	-	74	-24.58	42	174	V
2	* 2.484	42.09	Pk	32.3	-22.9	0	51.49	-	-	74	-22.51	42	174	V
3	* 2.484	28.98	RMS	32.3	-22.9	0	38.38	54	-15.62	-	-	42	174	V
4	* 2.485	30.07	RMS	32.3	-22.9	0	39.47	54	-14.53	-	-	42	174	V

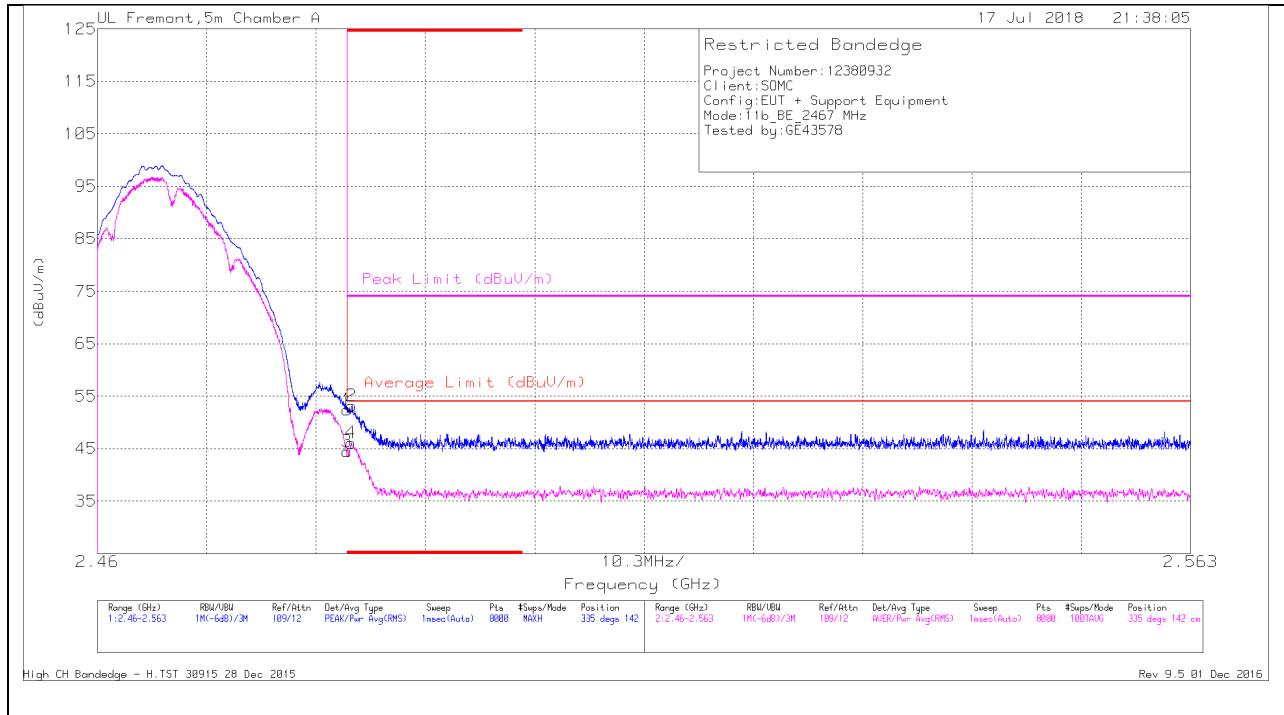
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT

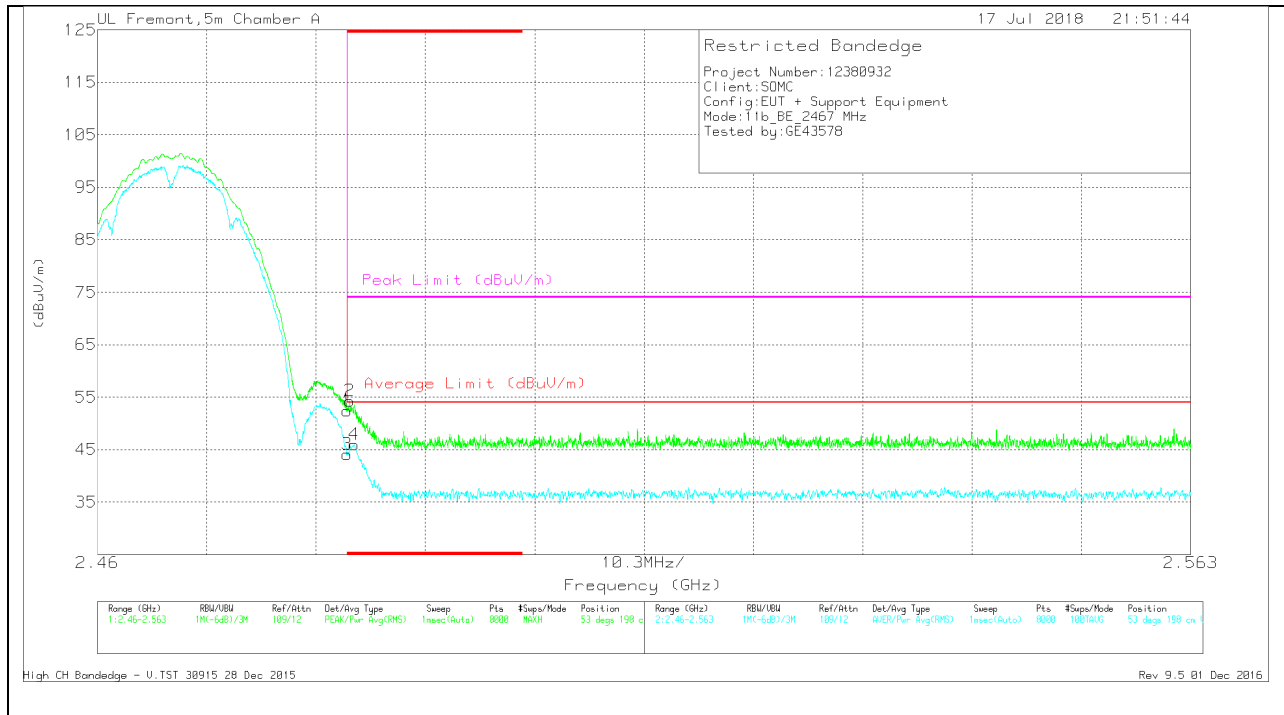


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/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
1	* 2.484	43.01	Pk	32.3	-22.9	0	52.41	-	-	74	-21.59	335	142	H
2	* 2.484	43.74	Pk	32.3	-22.9	0	53.14	-	-	74	-20.86	335	142	H
3	* 2.484	35	RMS	32.3	-22.9	0	44.4	54	-9.6	-	-	335	142	H
4	* 2.484	36.64	RMS	32.3	-22.9	0	46.04	54	-7.96	-	-	335	142	H

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

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 2.484	42.98	Pk	32.3	-22.9	0	52.38	-	-	74	-21.62	53	198	V
2	* 2.484	44.81	Pk	32.3	-22.9	0	54.21	-	-	74	-19.79	53	198	V
3	* 2.484	34.65	RMS	32.3	-22.9	0	44.05	54	-9.95	-	-	53	198	V
4	* 2.484	36.53	RMS	32.3	-22.9	0	45.93	54	-8.07	-	-	53	198	V

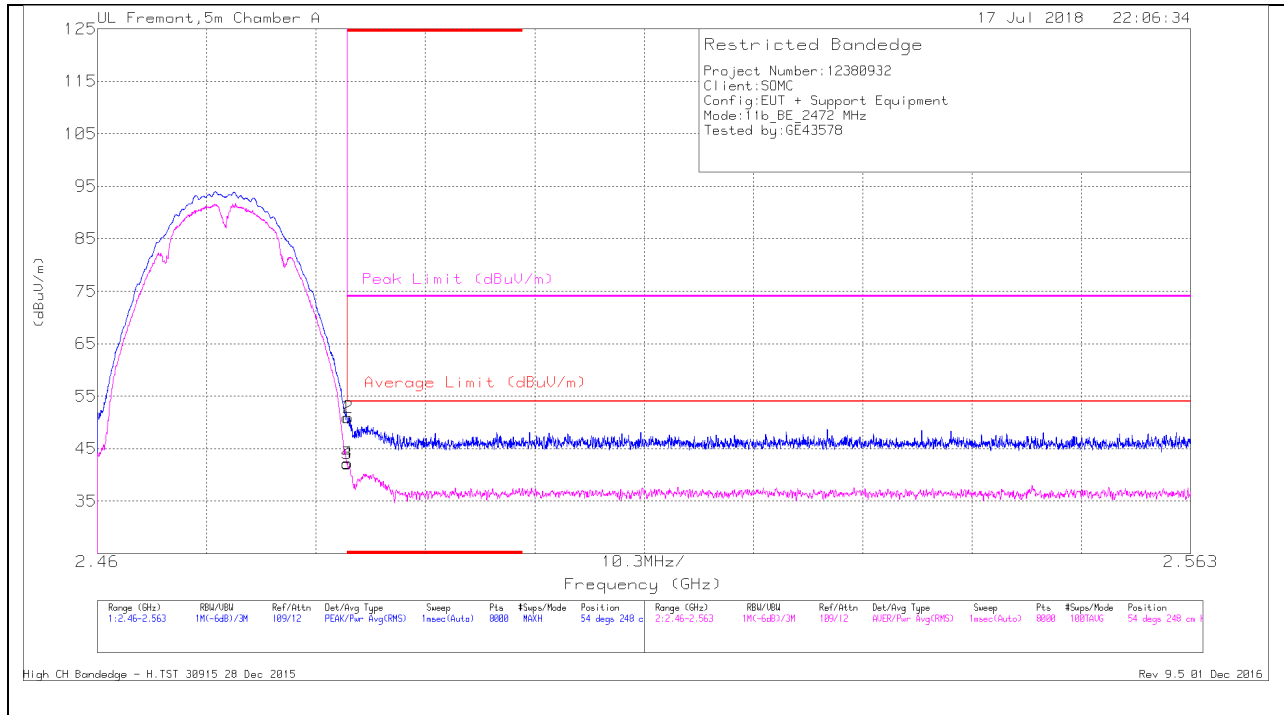
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

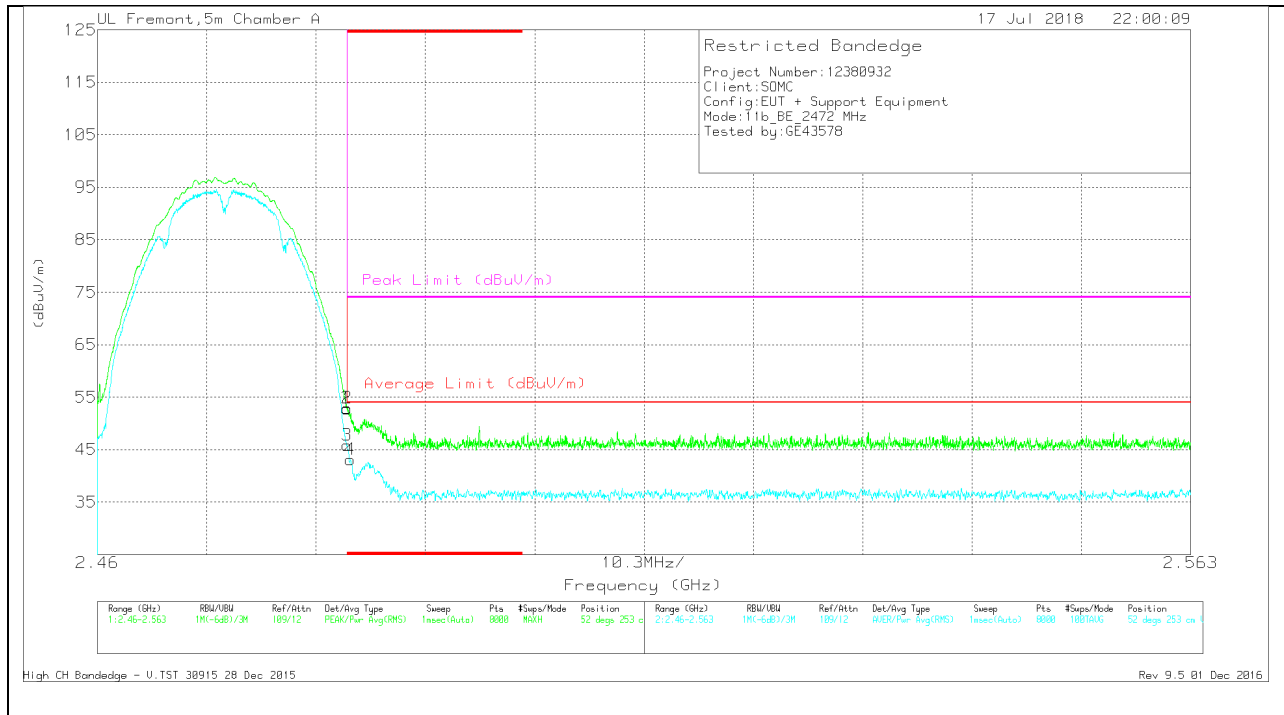


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/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
1	* 2.484	41.46	Pk	32.3	-22.9	0	50.86	-	-	74	-23.14	54	248	H
2	* 2.484	41.52	Pk	32.3	-22.9	0	50.92	-	-	74	-23.08	54	248	H
3	* 2.484	32.65	RMS	32.3	-22.9	0	42.05	54	-11.95	-	-	54	248	H
4	* 2.484	32.84	RMS	32.3	-22.9	0	42.24	54	-11.76	-	-	54	248	H

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

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 2.484	43.38	Pk	32.3	-22.9	0	52.78	-	-	74	-21.22	52	253	V
2	* 2.484	43.46	Pk	32.3	-22.9	0	52.86	-	-	74	-21.14	52	253	V
3	* 2.484	36.39	RMS	32.3	-22.9	0	45.79	54	-8.21	-	-	52	253	V
4	* 2.484	33.65	RMS	32.3	-22.9	0	43.05	54	-10.95	-	-	52	253	V

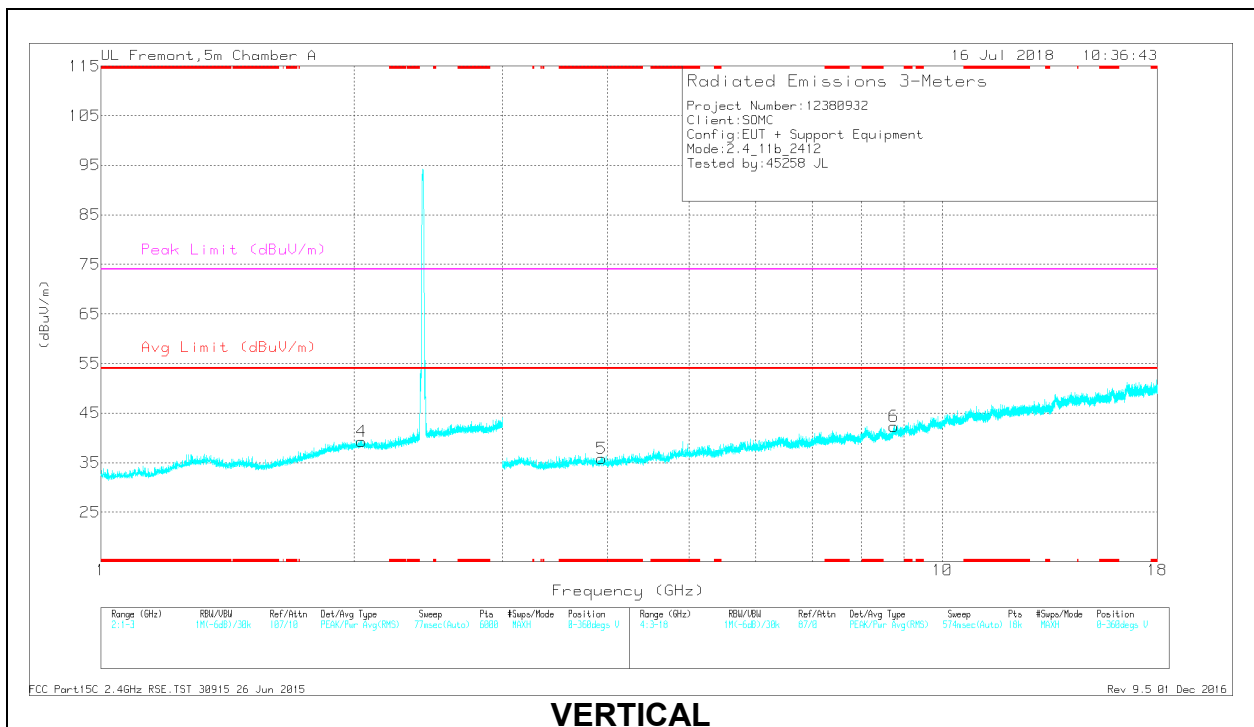
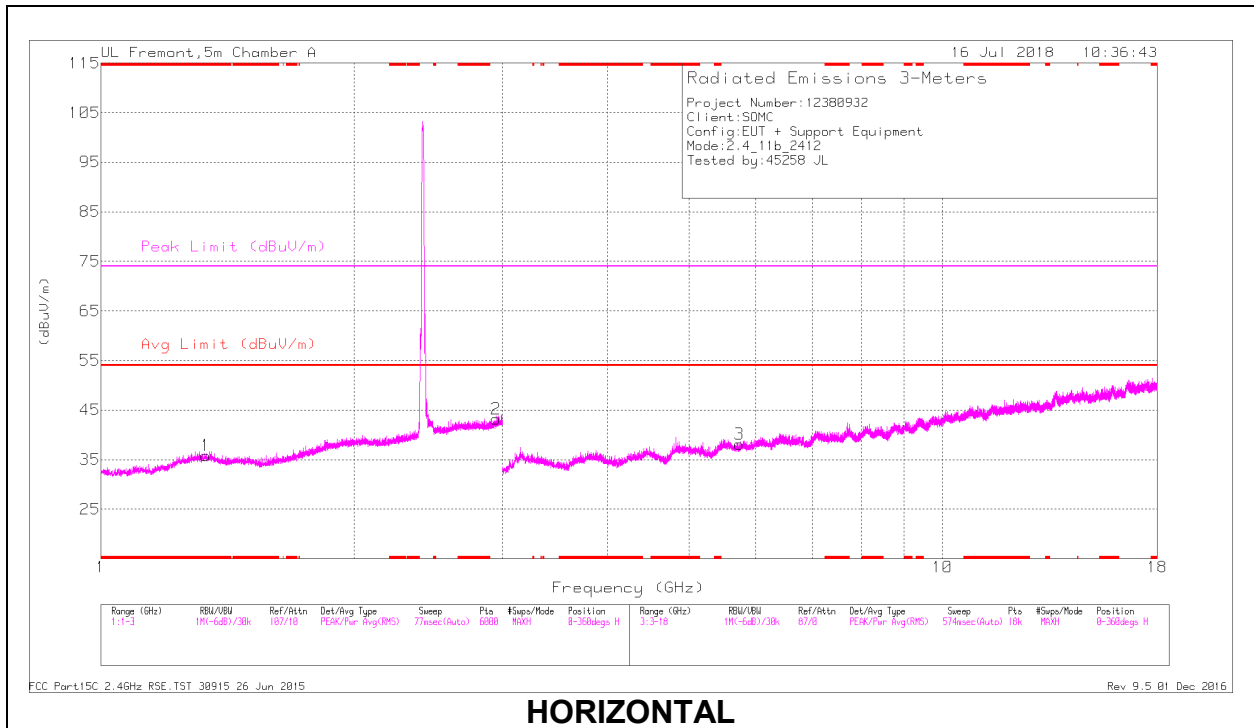
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

Radiated Emissions

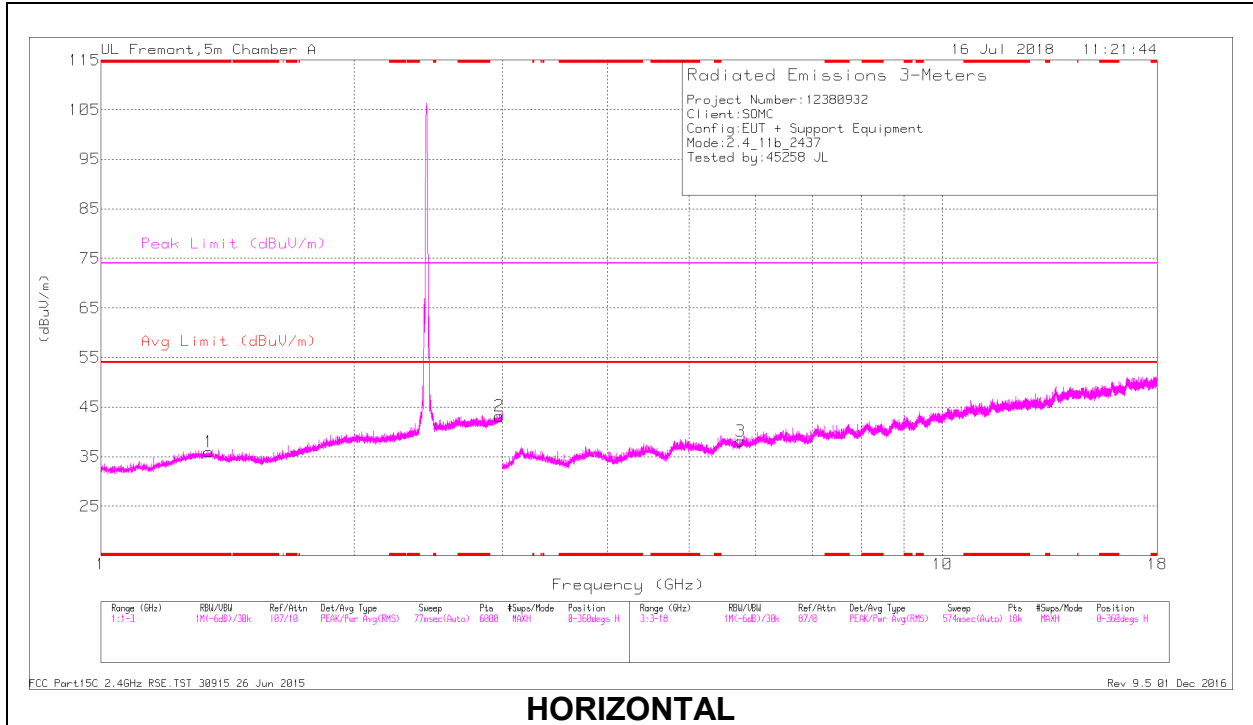
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.335	35.8	PK2	29.5	-23.3	0	42	-	-	74	-32	235	245	H
	* 1.335	24.11	MAv1	29.5	-23.3	0	30.31	54	-23.69	-	-	235	245	H
5	* 3.936	36.87	PK2	33.2	-27.9	0	42.17	-	-	74	-31.83	259	205	V
	* 3.94	25.83	MAv1	33.2	-27.9	0	31.13	54	-22.87	-	-	259	205	V
4	2.039	36.58	PK2	31.4	-23.1	0	44.88	-	-	-	-	302	198	V
2	2.948	37.93	PK2	32.2	-21.4	0	48.73	-	-	-	-	225	267	H
3	5.736	35.97	PK2	35	-25.5	0	45.47	-	-	-	-	308	183	H
6	8.758	32.66	PK2	36	-20.3	0	48.36	-	-	-	-	312	164	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

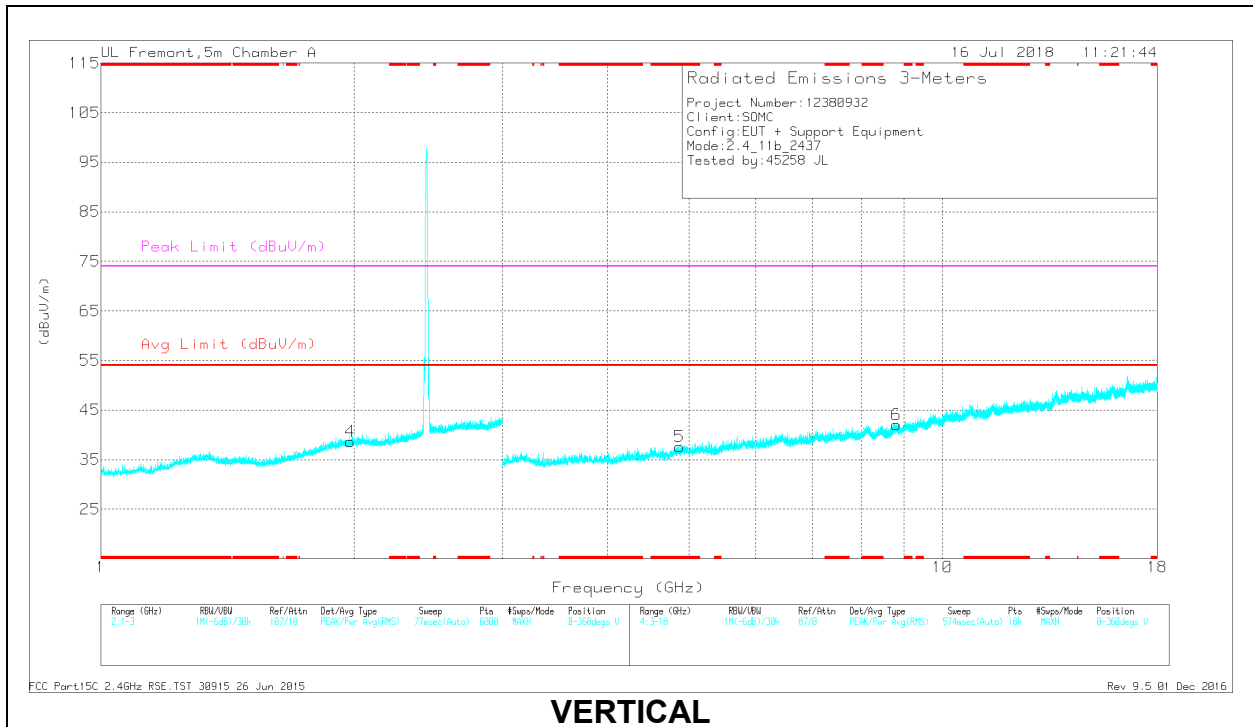
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Radiated Emissions

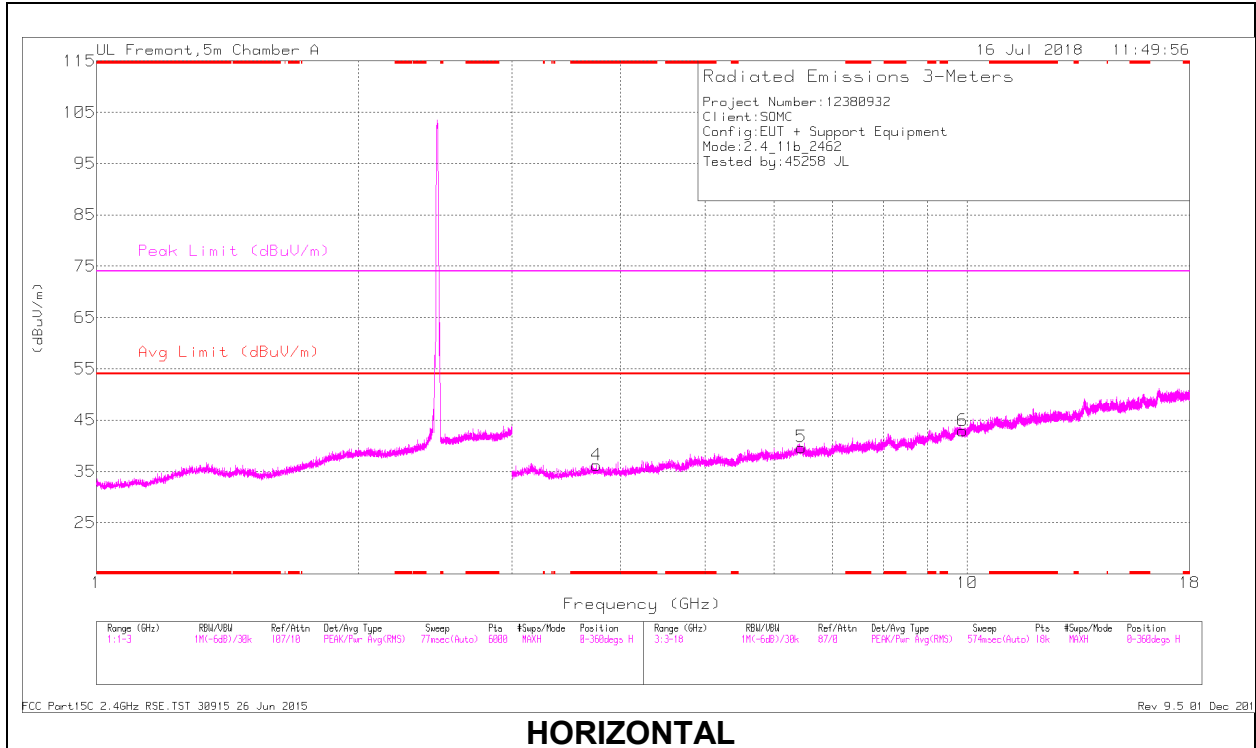
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.343	36.13	PK2	29.5	-23.4	0	42.23	-	-	74	-31.77	333	215	H
	* 1.344	24.74	MAv1	29.5	-23.4	0	30.84	54	-23.16	-	-	333	215	H
5	* 4.872	36.28	PK2	34.1	-26	0	44.38	-	-	74	-29.62	305	179	V
	* 4.874	25.58	MAv1	34.1	-26	0	33.68	54	-20.32	-	-	305	179	V
4	1.981	36.36	PK2	31.4	-23	0	44.76	-	-	-	-	234	255	V
2	2.974	37.1	PK2	32.3	-21.3	0	48.1	-	-	-	-	271	218	H
3	5.754	35.03	PK2	35	-25.2	0	44.83	-	-	-	-	167	226	H
6	8.821	32.98	PK2	36.1	-20.4	0	48.68	-	-	-	-	150	213	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

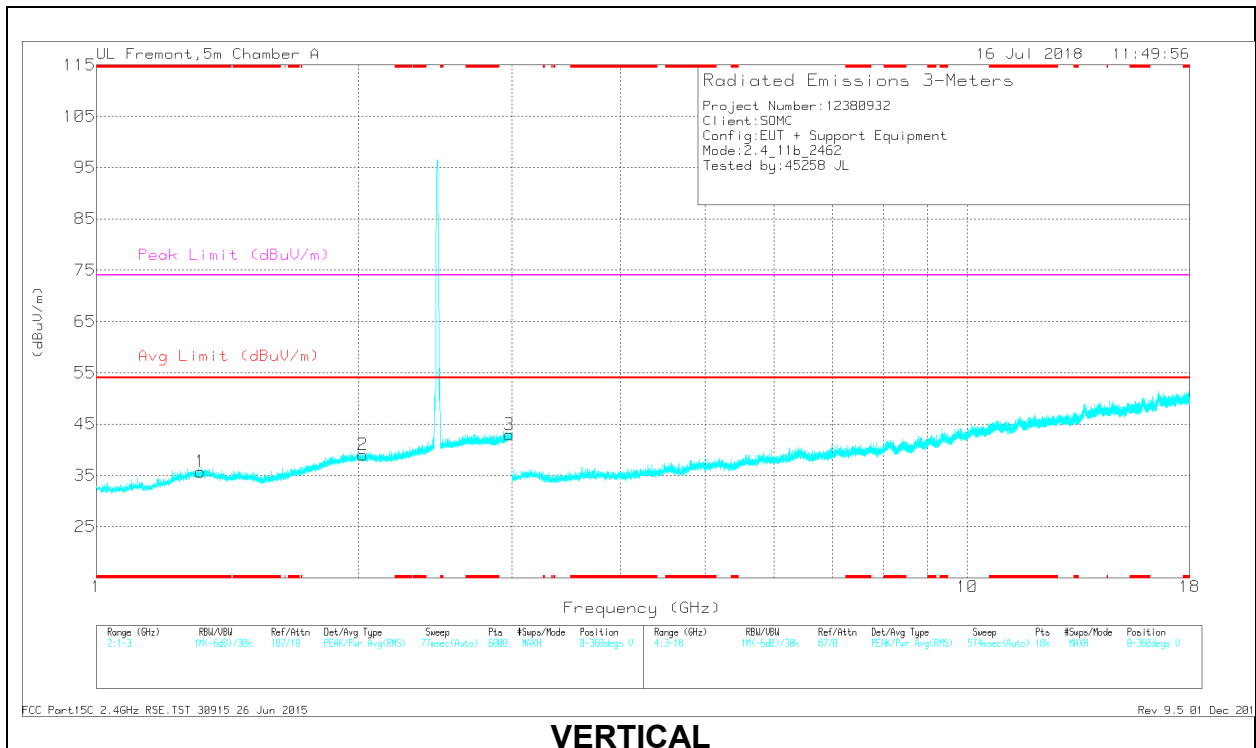
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/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
1	* 1.318	35.68	PK2	29.5	-23.3	0	41.88	-	-	74	-32.12	32	177	V
	* 1.317	24.49	MAv1	29.5	-23.3	0	30.69	54	-23.31	-	-	32	177	V
4	* 3.75	36.96	PK2	33.1	-28	0	42.06	-	-	74	-31.94	61	201	H
	* 3.753	26.18	MAv1	33.1	-28	0	31.28	54	-22.72	-	-	61	201	H
2	2.022	36.48	PK2	31.4	-23.1	0	44.78	-	-	-	-	103	232	V
3	2.98	37.88	PK2	32.3	-21.2	0	48.98	-	-	-	-	139	251	V
5	6.442	34.35	PK2	35.8	-23.6	0	46.55	-	-	-	-	179	285	H
6	9.872	32.05	PK2	37.1	-19.8	0	49.35	-	-	-	-	210	253	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

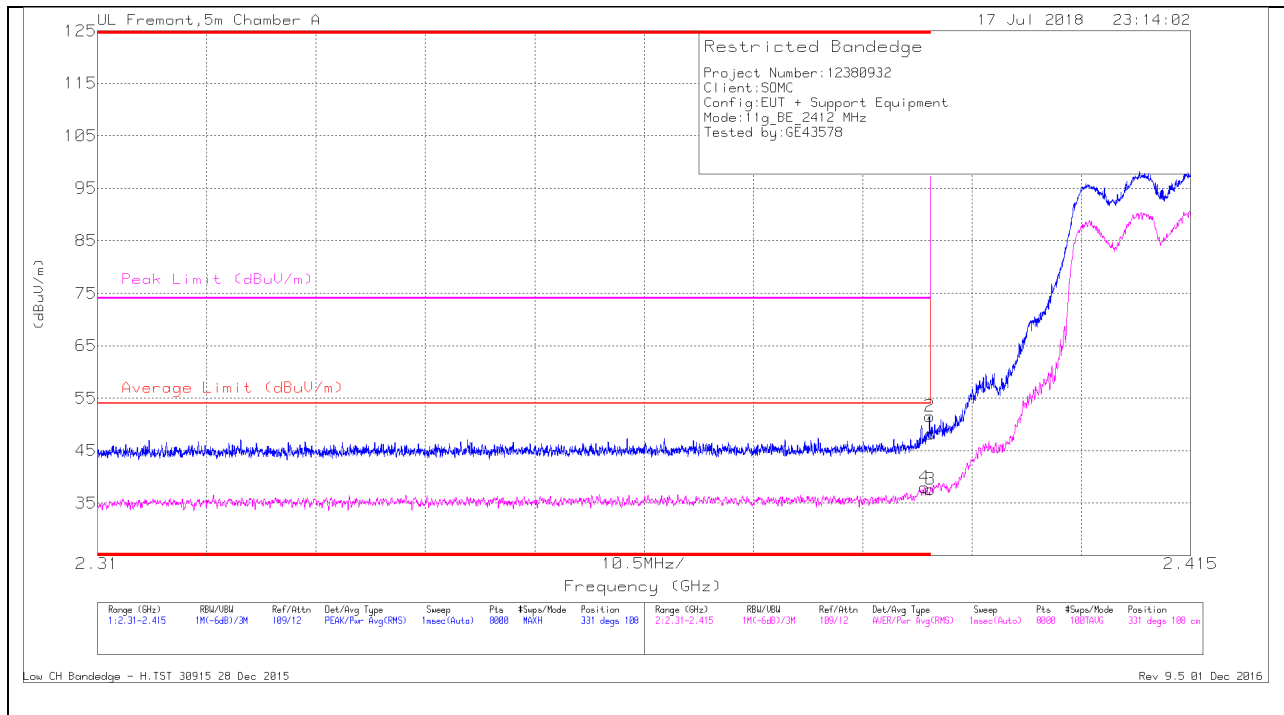
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

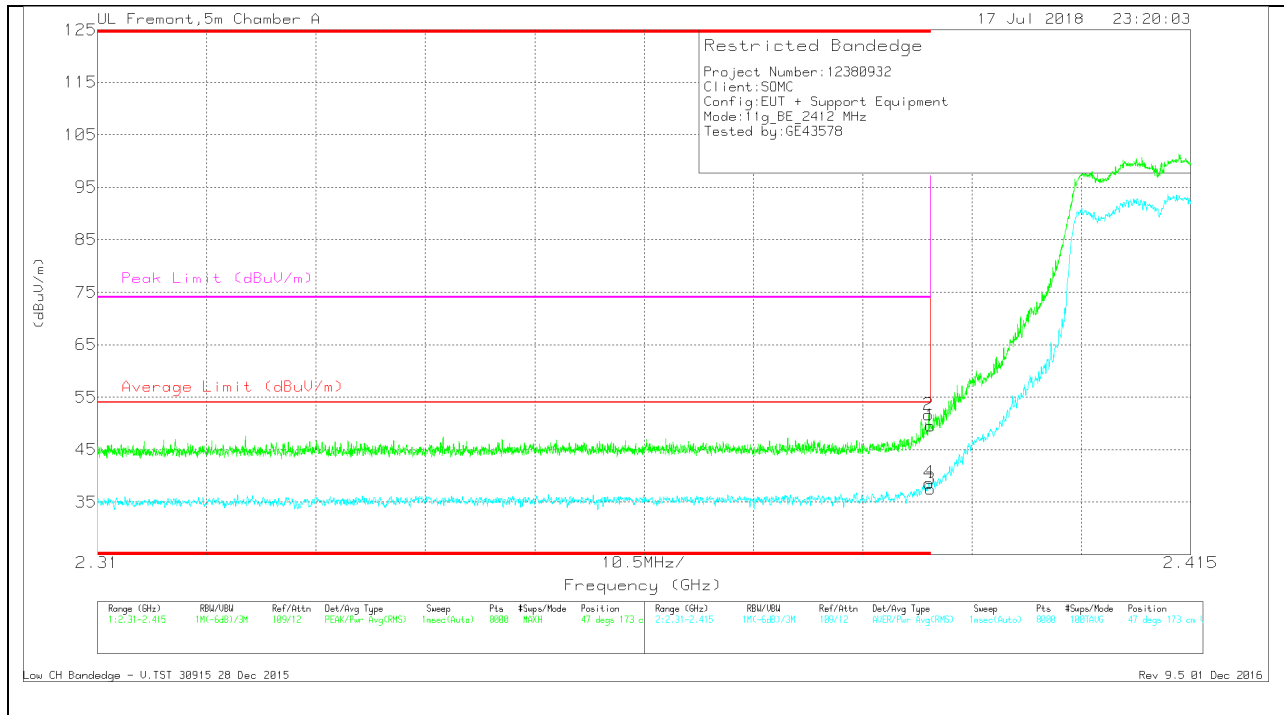
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.389	29.23	RMS	31.8	-23	0	38.03	54	-15.97	-	-	331	108	H
1	* 2.39	39.36	Pk	31.8	-23	0	48.16	-	-	74	-25.84	331	108	H
2	* 2.39	42.7	Pk	31.8	-23	0	51.5	-	-	74	-22.5	331	108	H
3	* 2.39	28.82	RMS	31.8	-23	0	37.62	54	-16.38	-	-	331	108	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 2.39	40.76	Pk	31.8	-23	0	49.56	-	-	74	-24.44	47	173	V
2	* 2.39	42.85	Pk	31.8	-23	0	51.65	-	-	74	-22.35	47	173	V
3	* 2.39	28.73	RMS	31.8	-23	0	37.53	54	-16.47	-	-	47	173	V
4	* 2.39	29.88	RMS	31.8	-23	0	38.68	54	-15.32	-	-	47	173	V

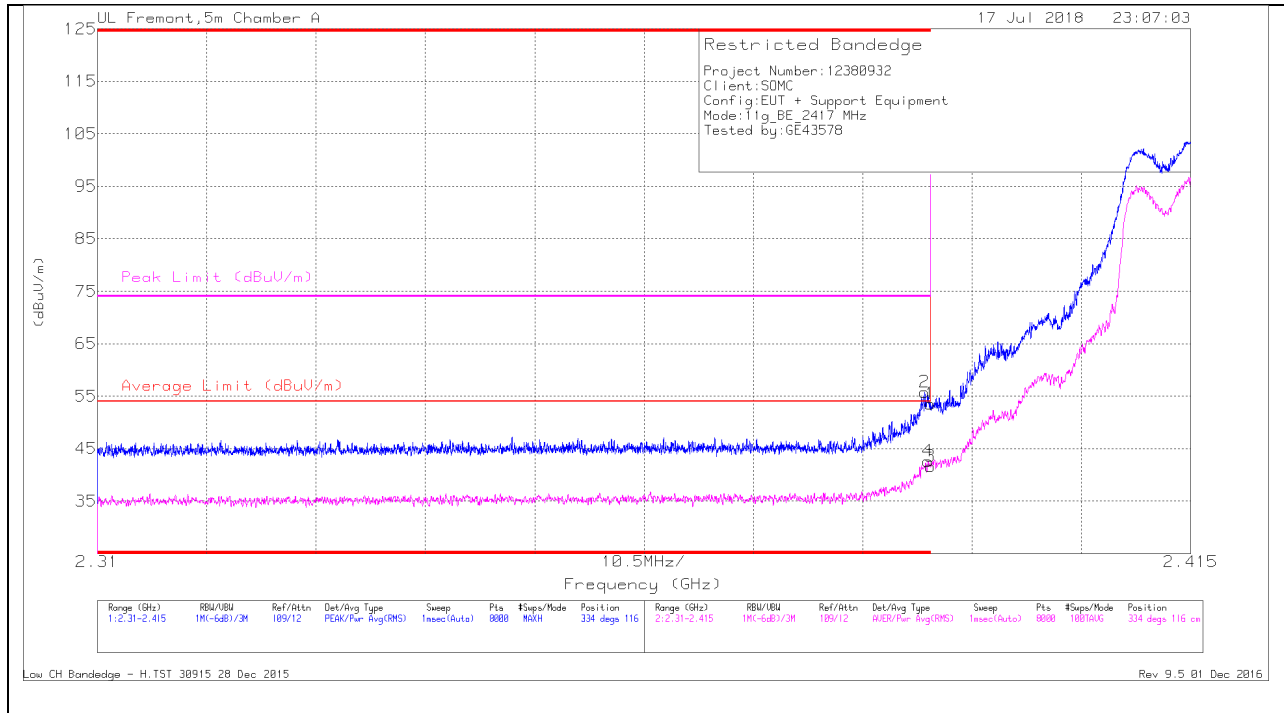
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT

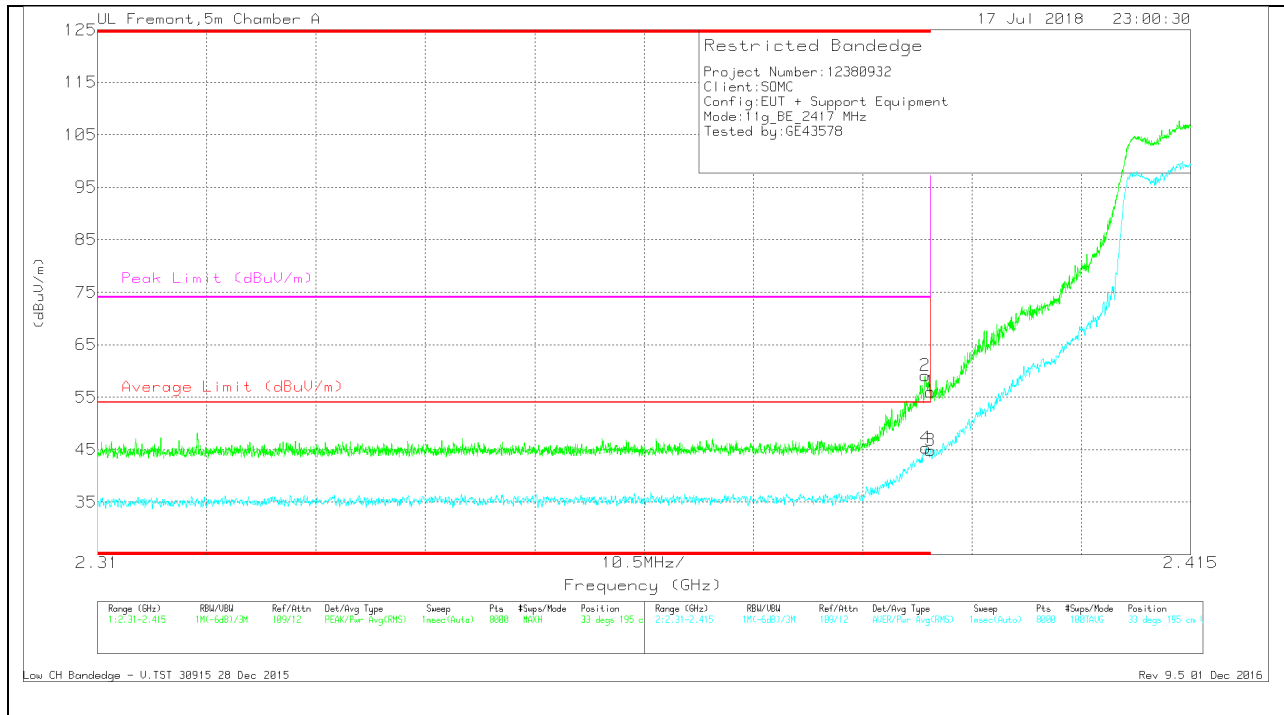


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/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	* 2.389	46.91	Pk	31.8	-23	0	55.71	-	-	74	-18.29	334	116	H
1	* 2.39	44.7	Pk	31.8	-23	0	53.5	-	-	74	-20.5	334	116	H
3	* 2.39	32.8	RMS	31.8	-23	0	41.6	54	-12.4	-	-	334	116	H
4	* 2.39	33.79	RMS	31.8	-23	0	42.59	54	-11.41	-	-	334	116	H

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

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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	* 2.389	50.33	Pk	31.8	-23	0	59.13	-	-	74	-14.87	33	195	V
1	* 2.39	47.16	Pk	31.8	-23	0	55.96	-	-	74	-18.04	33	195	V
3	* 2.39	35.98	RMS	31.8	-23	0	44.78	54	-9.22	-	-	33	195	V
4	* 2.39	36.56	RMS	31.8	-23	0	45.36	54	-8.64	-	-	33	195	V

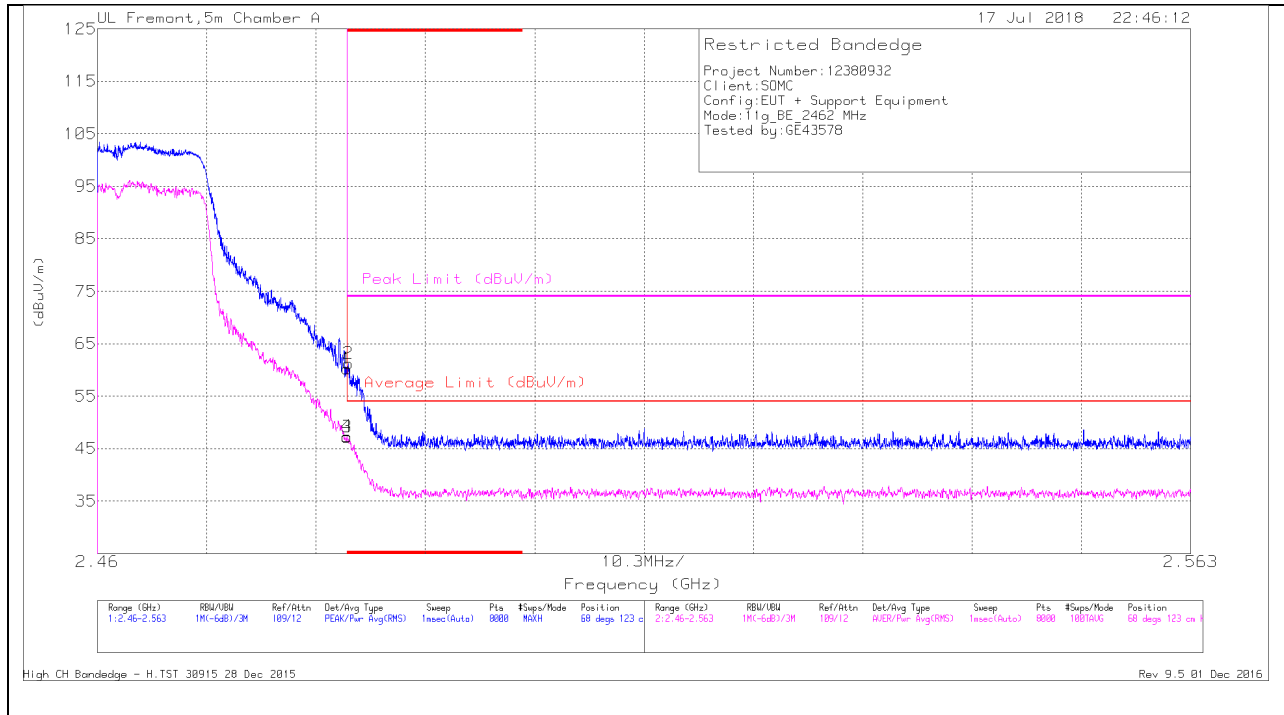
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

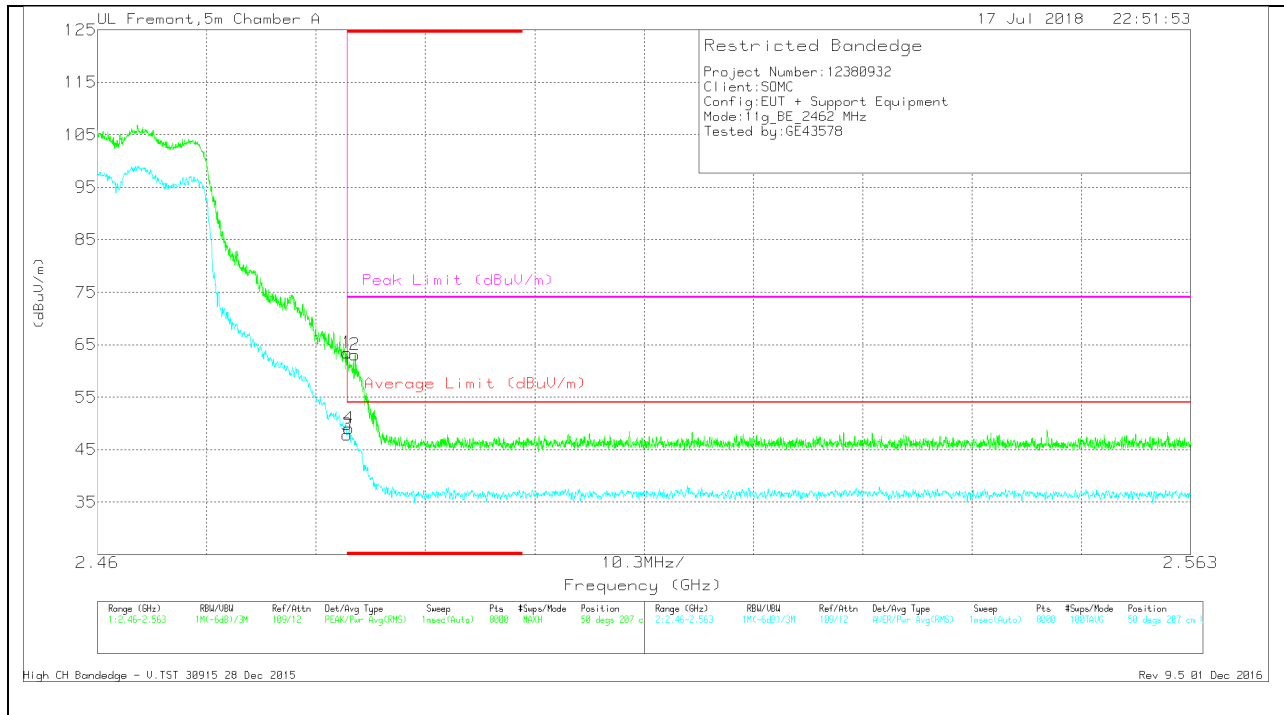


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/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
1	* 2.484	50.82	Pk	32.3	-22.9	0	60.22	-	-	74	-13.78	68	123	H
2	* 2.484	51.81	Pk	32.3	-22.9	0	61.21	-	-	74	-12.79	68	123	H
3	* 2.484	37.8	RMS	32.3	-22.9	0	47.2	54	-6.8	-	-	68	123	H
4	* 2.484	37.86	RMS	32.3	-22.9	0	47.26	54	-6.74	-	-	68	123	H

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

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 2.484	54.01	Pk	32.3	-22.9	0	63.41	-	-	74	-10.59	50	207	V
2	* 2.484	53.65	Pk	32.3	-22.9	0	63.05	-	-	74	-10.95	50	207	V
3	* 2.484	38.4	RMS	32.3	-22.9	0	47.8	54	-6.2	-	-	50	207	V
4	* 2.484	39.68	RMS	32.3	-22.9	0	49.08	54	-4.92	-	-	50	207	V

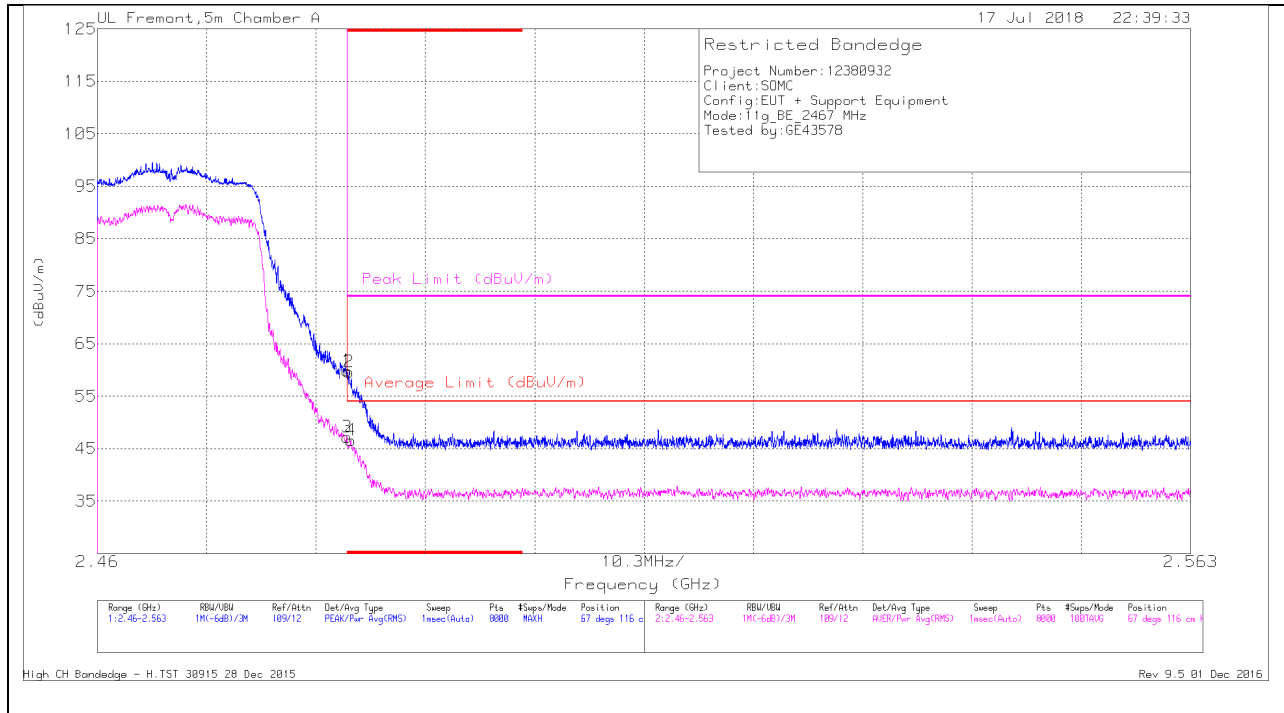
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT

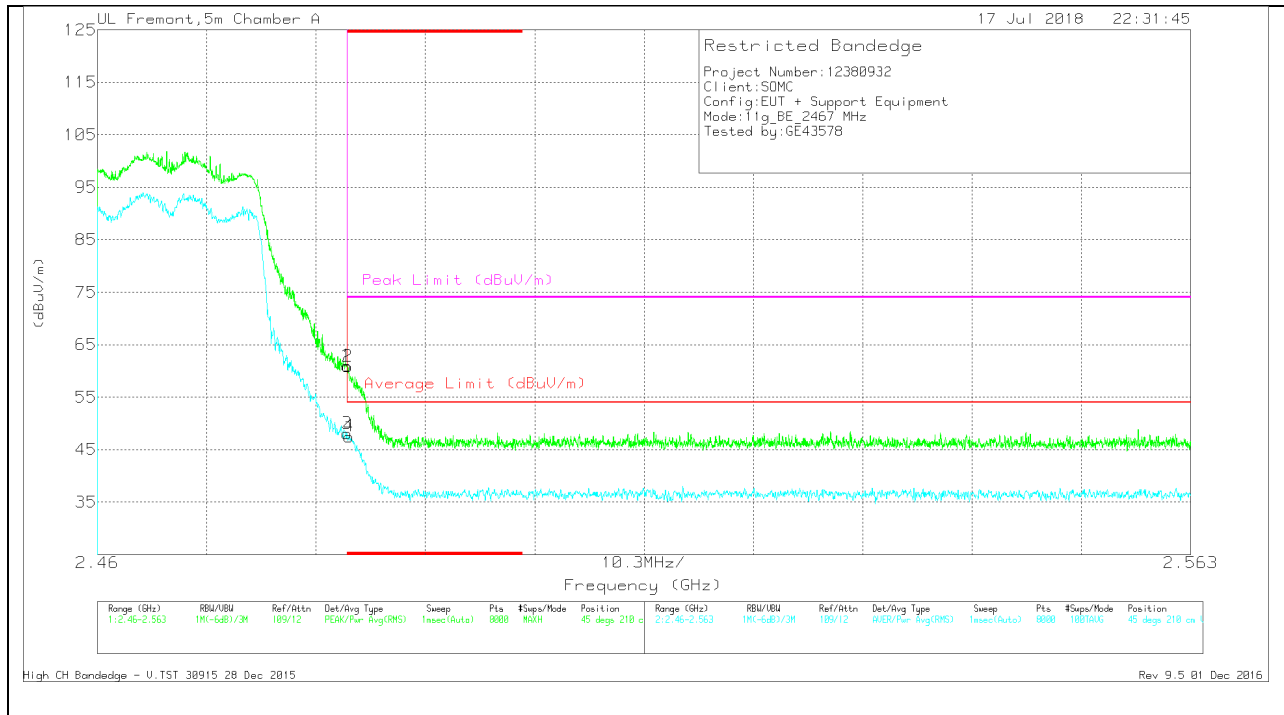


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/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
1	* 2.484	50.42	Pk	32.3	-22.9	0	59.82	-	-	74	-14.18	67	116	H
2	* 2.484	50.15	Pk	32.3	-22.9	0	59.55	-	-	74	-14.45	67	116	H
3	* 2.484	37.78	RMS	32.3	-22.9	0	47.18	54	-6.82	-	-	67	116	H
4	* 2.484	37.11	RMS	32.3	-22.9	0	46.51	54	-7.49	-	-	67	116	H

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

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 2.484	51.55	Pk	32.3	-22.9	0	60.95	-	-	74	-13.05	45	210	V
2	* 2.484	51.39	Pk	32.3	-22.9	0	60.79	-	-	74	-13.21	45	210	V
3	* 2.484	38.69	RMS	32.3	-22.9	0	48.09	54	-5.91	-	-	45	210	V
4	* 2.484	38.1	RMS	32.3	-22.9	0	47.5	54	-6.5	-	-	45	210	V

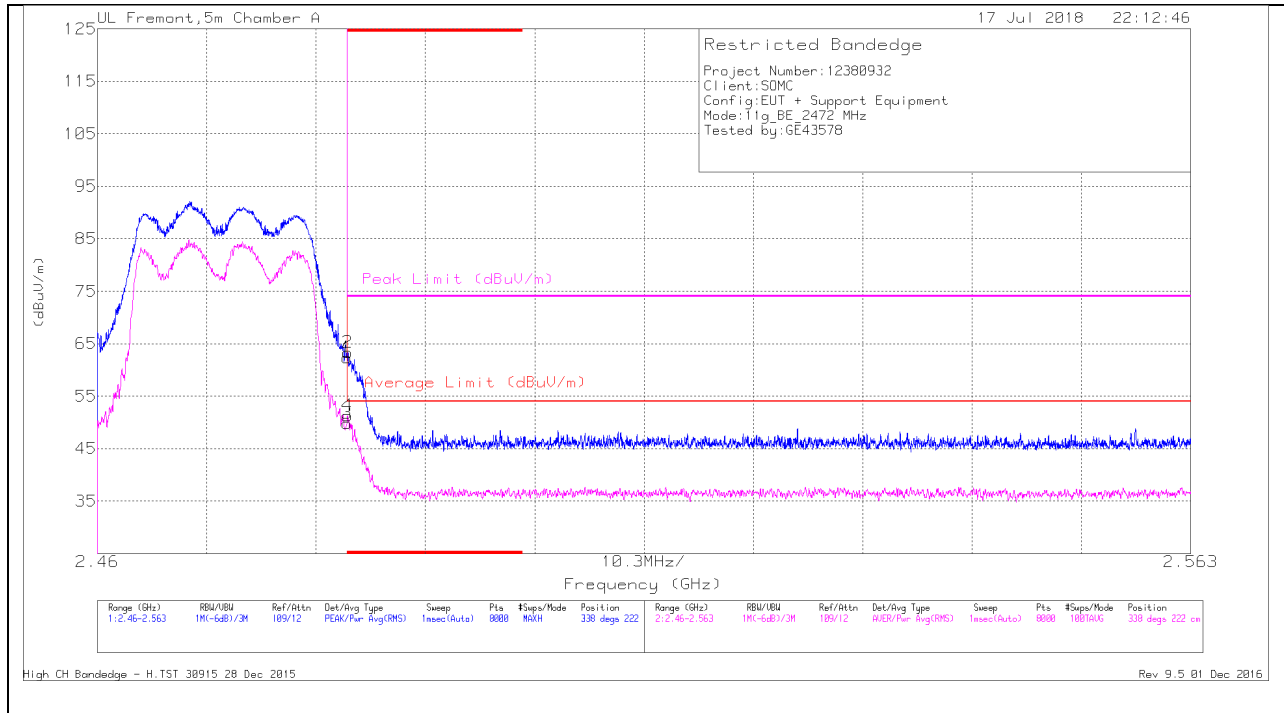
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



Trace Markers

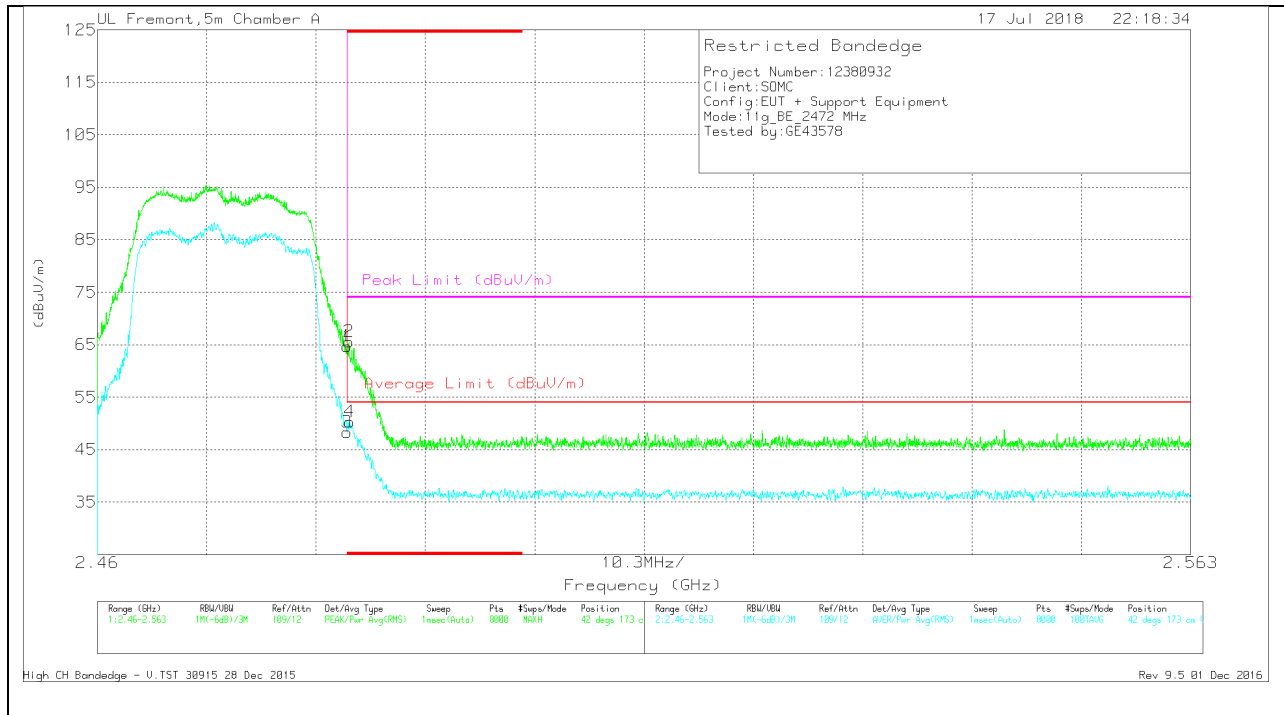
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.95	Pk	32.3	-22.9	0	62.35	-	-	74	-11.65	338	222	H
2	* 2.484	53.92	Pk	32.3	-22.9	0	63.32	-	-	74	-10.68	338	222	H
3	* 2.484	40.45	RMS	32.3	-22.9	0	49.85	54	-4.15	-	-	338	222	H
4	* 2.484	41.85	RMS	32.3	-22.9	0	51.25	54	-2.75	-	-	338	222	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 2.484	55.34	Pk	32.3	-22.9	0	64.74	-	-	74	-9.26	42	173	V
2	* 2.484	56.19	Pk	32.3	-22.9	0	65.59	-	-	74	-8.41	42	173	V
3	* 2.484	38.94	RMS	32.3	-22.9	0	48.34	54	-5.66	-	-	42	173	V
4	* 2.484	40.9	RMS	32.3	-22.9	0	50.3	54	-3.7	-	-	42	173	V

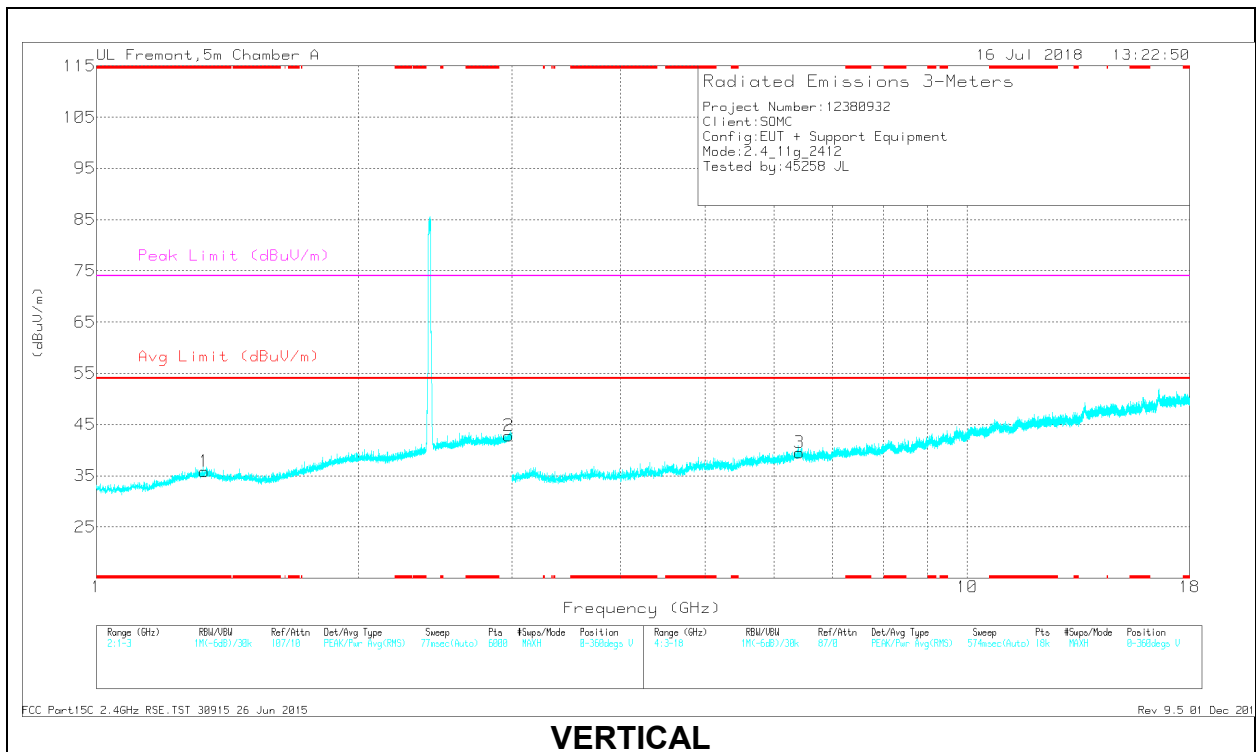
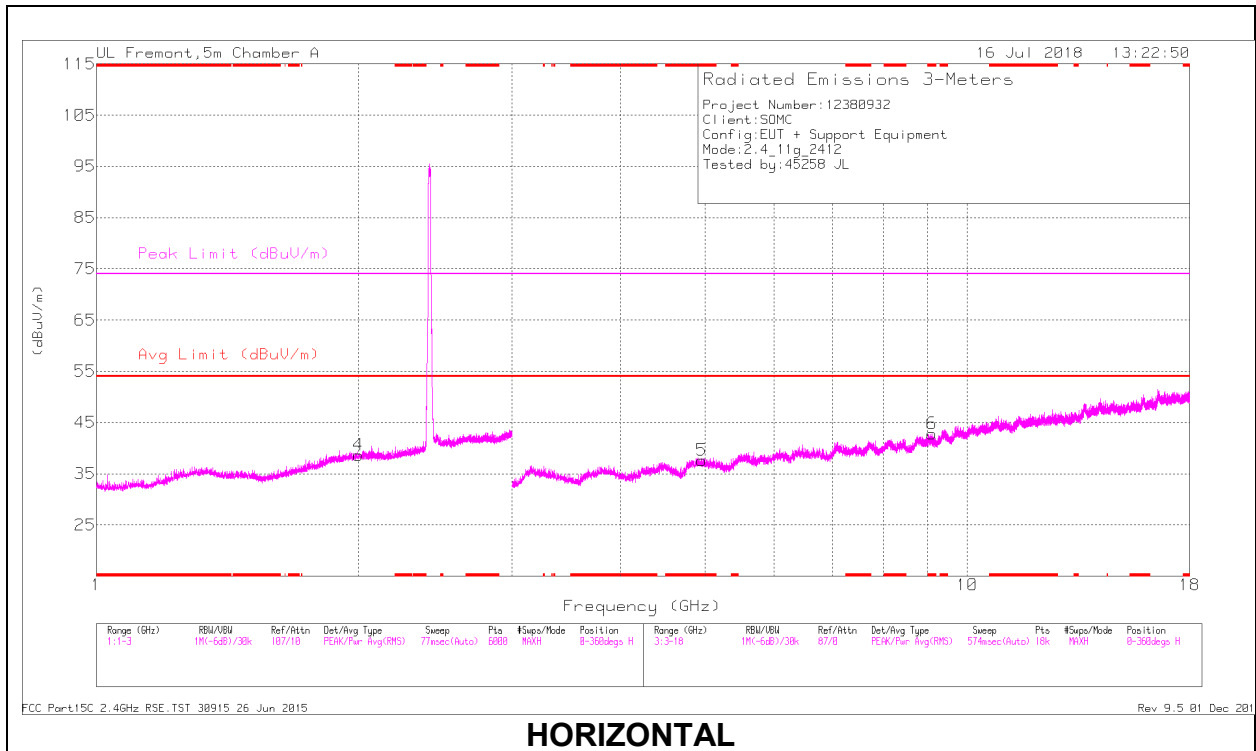
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

Radiated Emissions

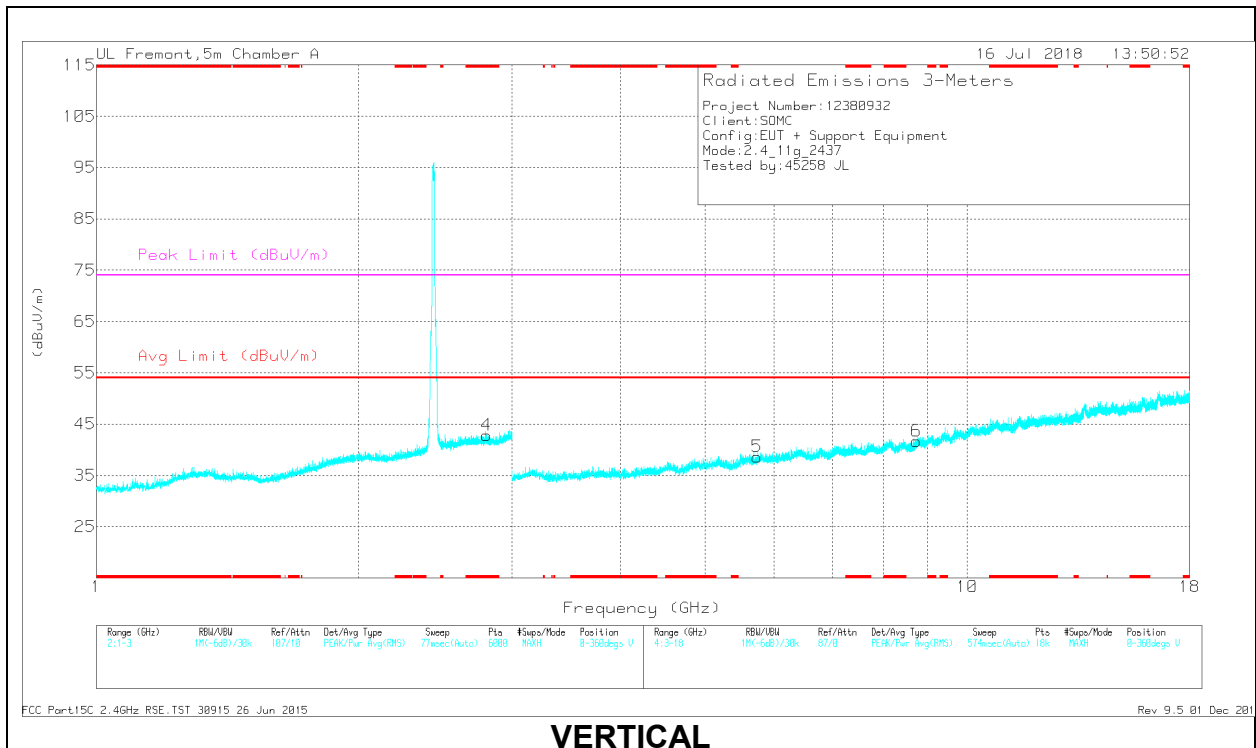
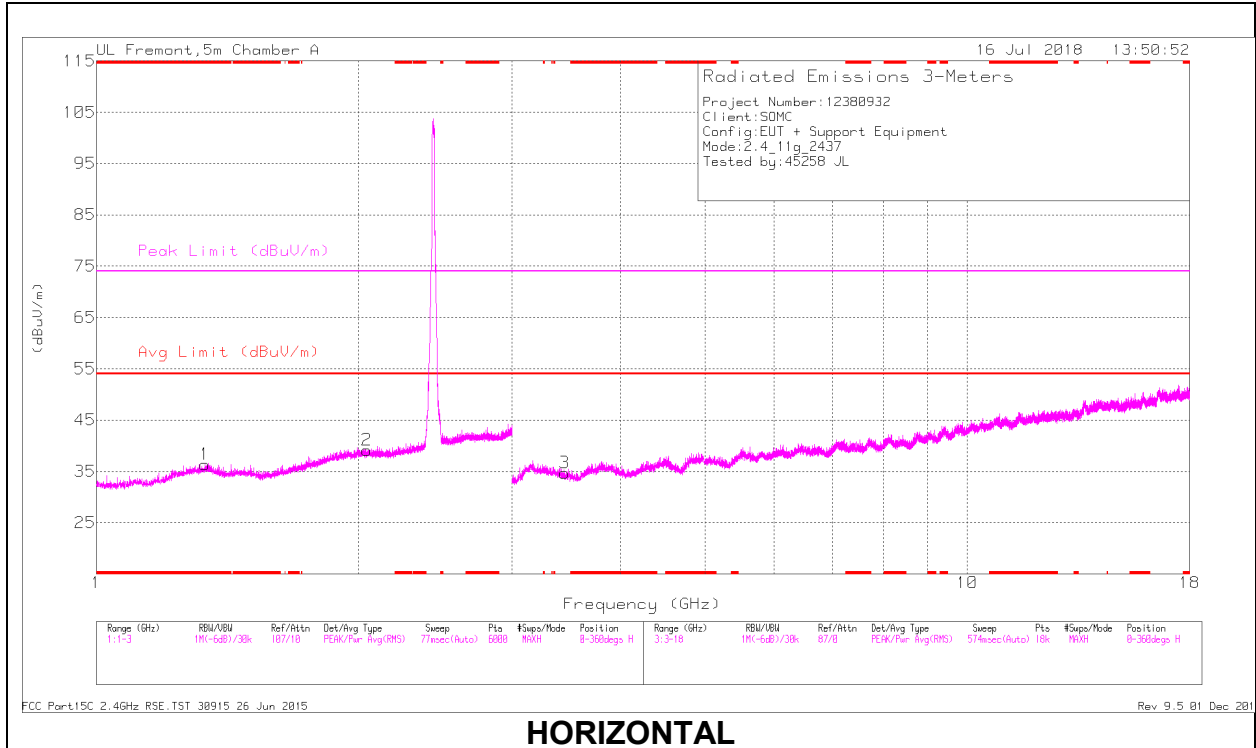
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.33	36.51	PK2	29.5	-23.3	0	42.71	-	-	74	-31.29	350	100	V
	* 1.333	24.63	MAv1	29.5	-23.4	0	30.73	54	-23.27	-	-	350	100	V
5	* 4.95	36.53	PK2	34.2	-26.5	0	44.23	-	-	74	-29.77	287	190	H
	* 4.952	25.68	MAv1	34.2	-26.5	0	33.38	54	-20.62	-	-	287	190	H
6	* 9.104	32.04	PK2	36.3	-19.9	0	48.44	-	-	74	-25.56	250	214	H
	* 9.105	21.25	MAv1	36.3	-20	0	37.55	54	-16.45	-	-	250	214	H
4	1.999	36.35	PK2	31.4	-23	0	44.75	-	-	-	-	189	265	H
2	2.977	37.43	PK2	32.3	-21.3	0	48.43	-	-	-	-	169	278	V
3	6.417	33.76	PK2	35.8	-23.7	0	45.86	-	-	-	-	137	100	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

Radiated Emissions

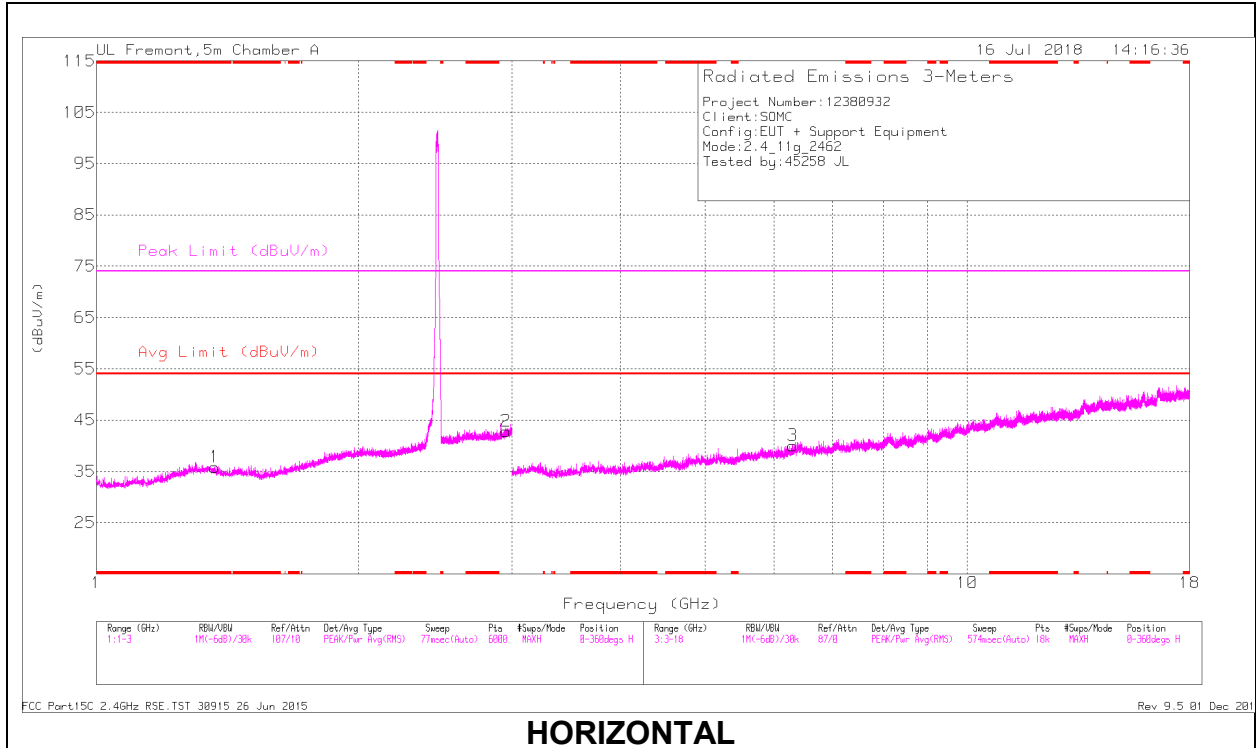
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.333	36.65	PK2	29.5	-23.3	0	42.85	-	-	74	-31.15	24	166	H
	* 1.333	24.72	MAv1	29.5	-23.3	0	30.92	54	-23.08	-	-	24	166	H
4	* 2.805	37.58	PK2	32.2	-21.8	0	47.98	-	-	74	-26.02	61	202	V
	* 2.805	26.04	MAv1	32.2	-21.8	0	36.44	54	-17.56	-	-	61	202	V
2	2.042	37.08	PK2	31.4	-23.1	0	45.38	-	-	-	-	95	233	H
3	3.448	36.73	PK2	32.7	-28	0	41.43	-	-	-	-	129	254	H
5	5.735	35.88	PK2	35	-25.5	0	45.38	-	-	-	-	160	282	V
6	8.741	33.11	PK2	36	-20.6	0	48.51	-	-	-	-	241	245	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

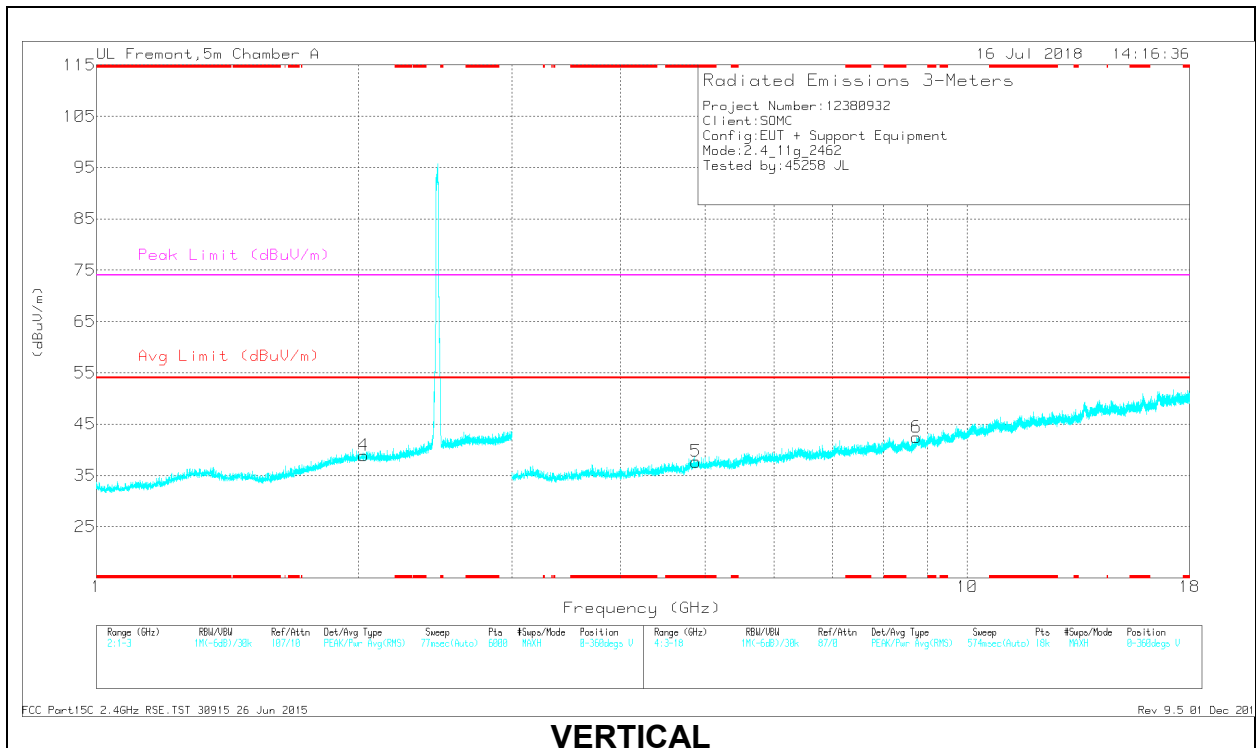
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/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
1	* 1.366	36.04	PK2	29.2	-23.4	0	41.84	-	-	74	-32.16	316	183	H
	* 1.366	24.68	MAv1	29.2	-23.4	0	30.48	54	-23.52	-	-	316	183	H
5	* 4.879	36.05	PK2	34.1	-26	0	44.15	-	-	74	-29.85	279	212	V
	* 4.882	25.3	MAv1	34.1	-26	0	33.4	54	-20.6	-	-	279	212	V
4	2.026	36.65	PK2	31.4	-23.1	0	44.95	-	-	-	-	191	165	V
2	2.954	37.85	PK2	32.2	-21.3	0	48.75	-	-	-	-	218	222	H
3	6.301	34.66	PK2	35.7	-24.8	0	45.56	-	-	-	-	153	195	H
6	8.743	33.05	PK2	36	-20.6	0	48.45	-	-	-	-	162	223	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

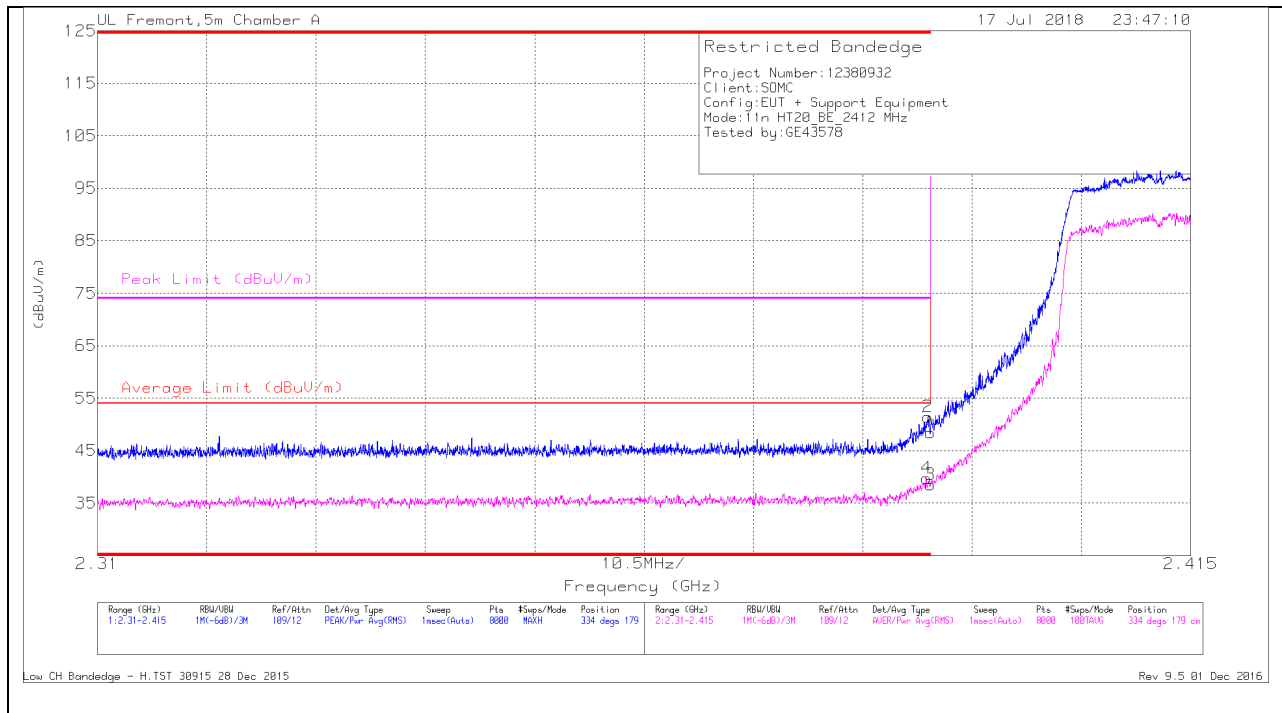
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

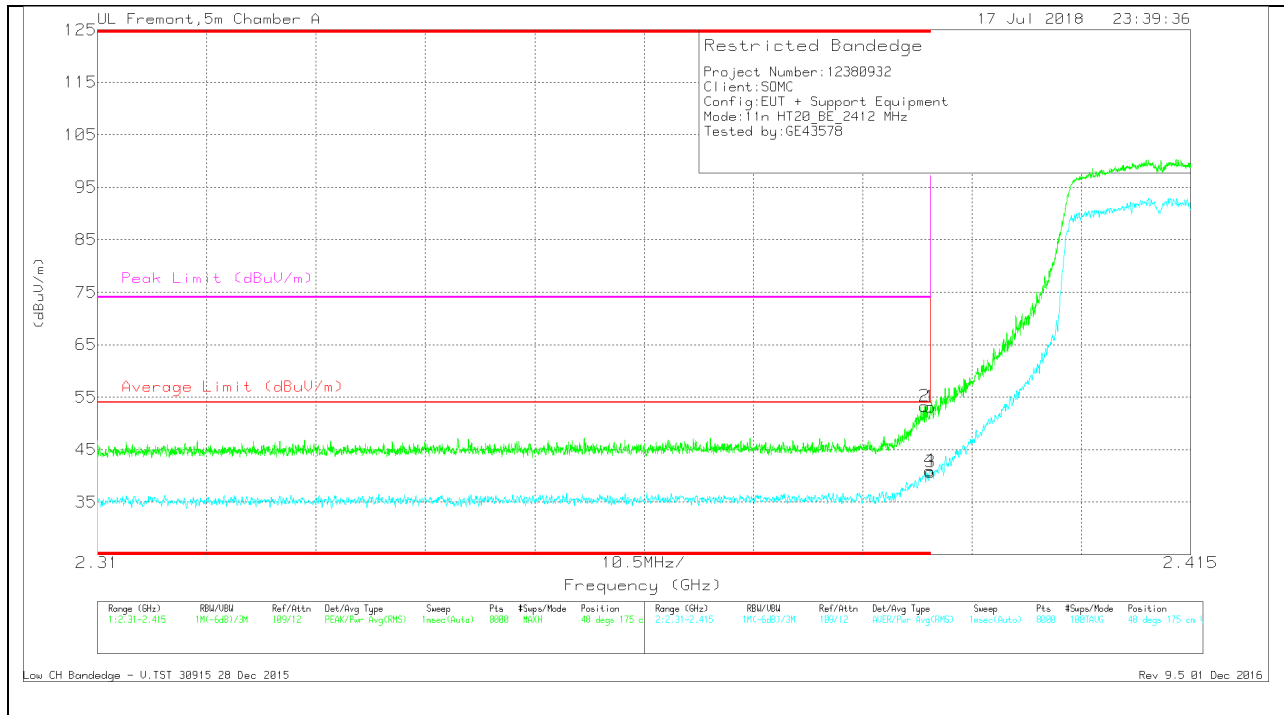
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.59	Pk	31.8	-23	0	48.39	-	-	74	-25.61	334	179	H
2	* 2.39	42.61	Pk	31.8	-23	0	51.41	-	-	74	-22.59	334	179	H
3	* 2.39	29.57	RMS	31.8	-23	.11	38.48	54	-15.52	-	-	334	179	H
4	* 2.39	30.84	RMS	31.8	-23	.11	39.75	54	-14.25	-	-	334	179	H

* - indicates frequency in CFR47 Pt 15 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)	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	* 2.389	44.47	Pk	31.8	-23	0	53.27	-	-	74	-20.73	48	175	V
1	* 2.39	44.34	Pk	31.8	-23	0	53.14	-	-	74	-20.86	48	175	V
3	* 2.39	31.87	RMS	31.8	-23	.11	40.78	54	-13.22	-	-	48	175	V
4	* 2.39	32.04	RMS	31.8	-23	.11	40.95	54	-13.05	-	-	48	175	V

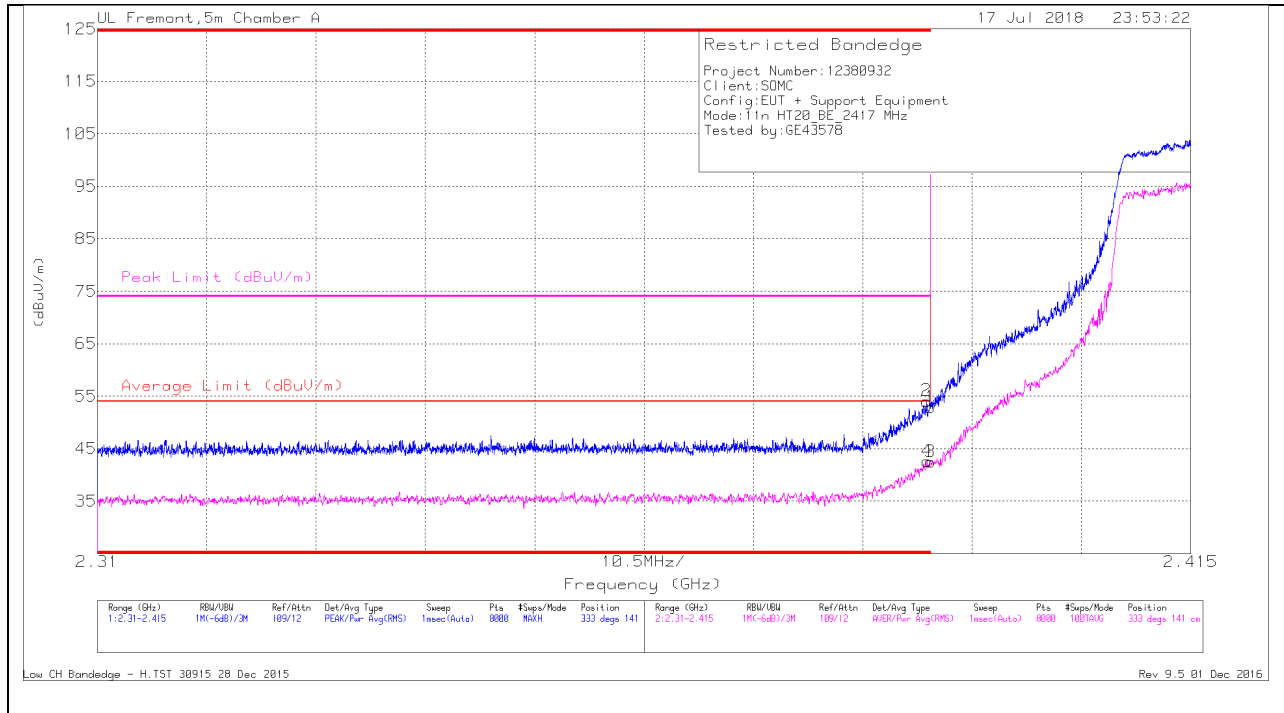
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)

HORIZONTAL RESULT

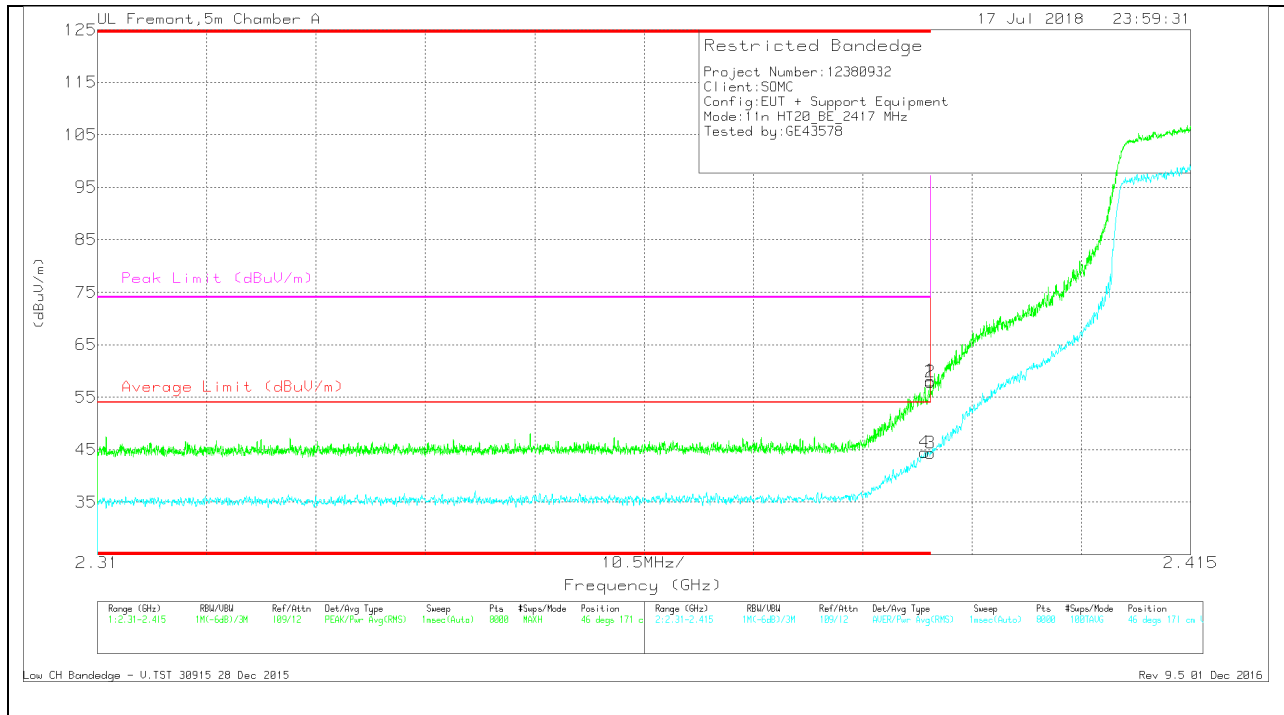


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/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
1	* 2.39	44.05	Pk	31.8	-23	0	52.85	-	-	74	-21.15	333	141	H
2	* 2.39	45.28	Pk	31.8	-23	0	54.08	-	-	74	-19.92	333	141	H
3	* 2.39	33.59	RMS	31.8	-23	.11	42.5	54	-11.5	-	-	333	141	H
4	* 2.39	33.69	RMS	31.8	-23	.11	42.6	54	-11.4	-	-	333	141	H

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

VERTICAL RESULT



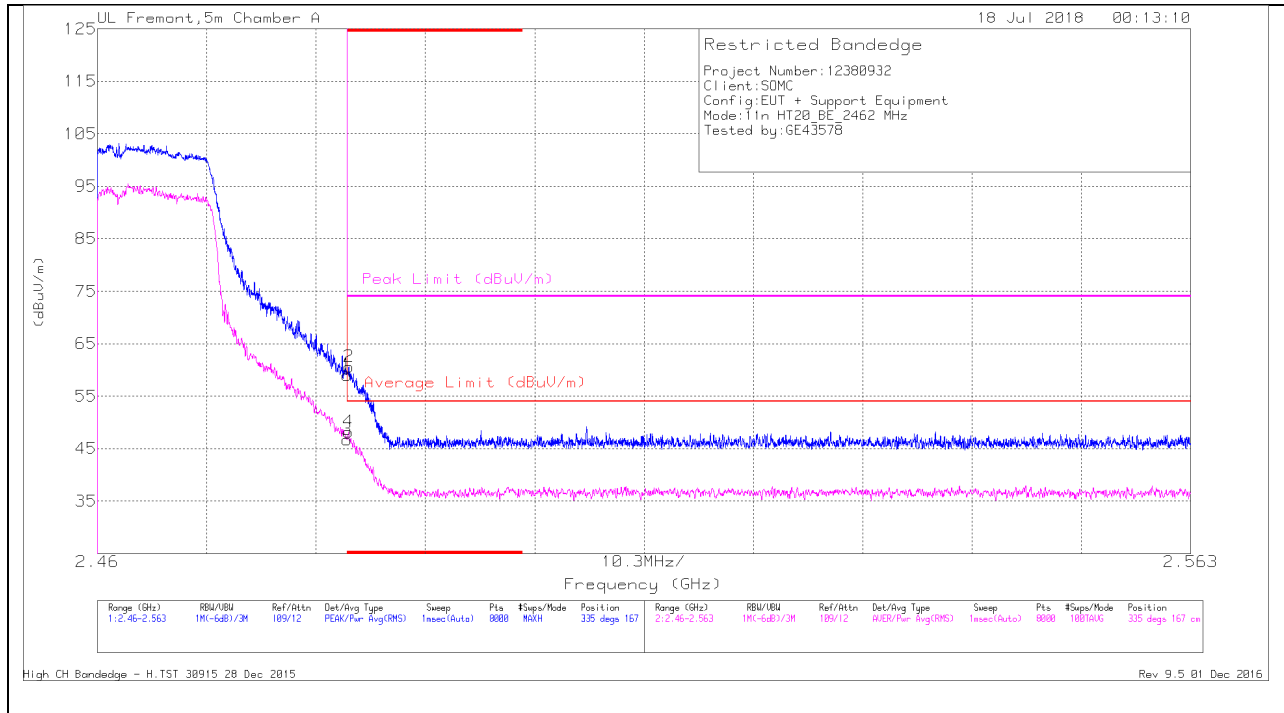
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
4	* 2.389	35.59	RMS	31.8	-23	.11	44.5	54	-9.5	-	-	46	171	V
1	* 2.39	49.28	Pk	31.8	-23	0	58.08	-	-	74	-15.92	46	171	V
2	* 2.39	49.08	Pk	31.8	-23	0	57.88	-	-	74	-16.12	46	171	V
3	* 2.39	35.42	RMS	31.8	-23	.11	44.33	54	-9.67	-	-	46	171	V

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

BANDEGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

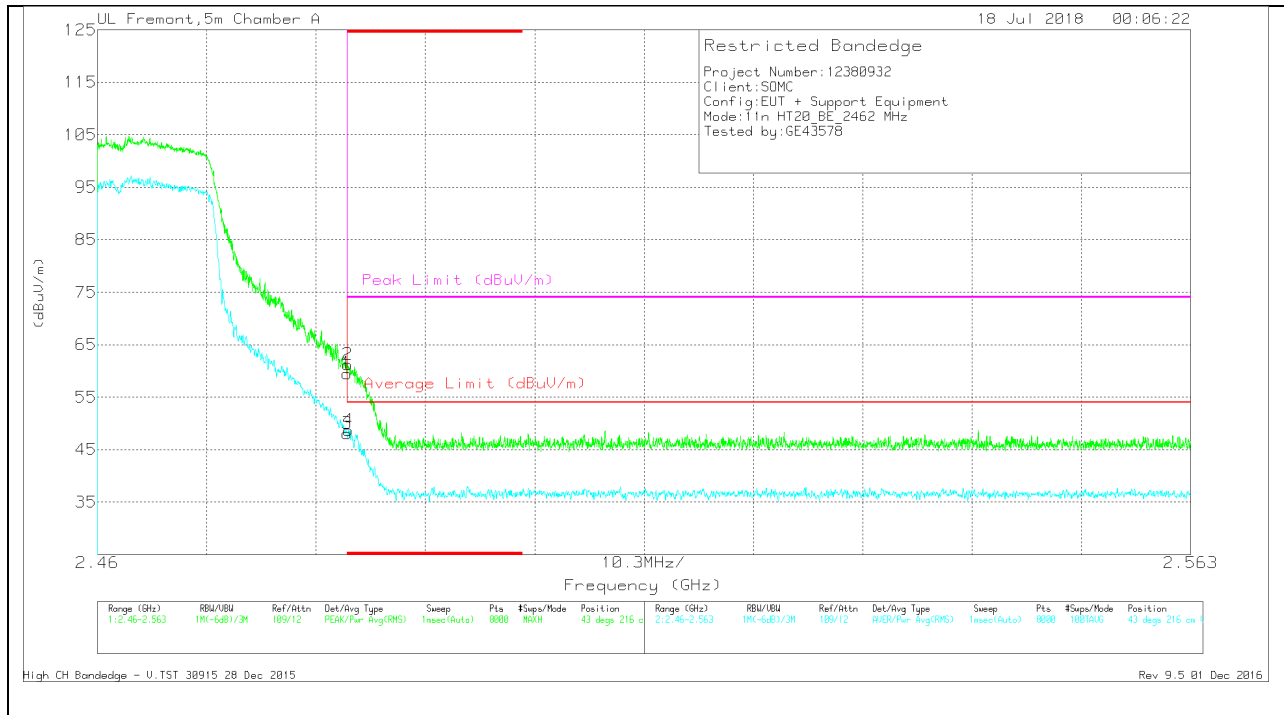


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/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
1	* 2.484	49.61	Pk	32.3	-22.9	0	59.01	-	-	74	-14.99	335	167	H
2	* 2.484	51.22	Pk	32.3	-22.9	0	60.62	-	-	74	-13.38	335	167	H
3	* 2.484	37.17	RMS	32.3	-22.9	.11	46.68	54	-7.32	-	-	335	167	H
4	* 2.484	38.71	RMS	32.3	-22.9	.11	48.22	54	-5.78	-	-	335	167	H

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

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 2.484	50.14	Pk	32.3	-22.9	0	59.54	-	-	74	-14.46	43	216	V
2	* 2.484	51.81	Pk	32.3	-22.9	0	61.21	-	-	74	-12.79	43	216	V
3	* 2.484	38.6	RMS	32.3	-22.9	.11	48.11	54	-5.89	-	-	43	216	V
4	* 2.484	39.14	RMS	32.3	-22.9	.11	48.65	54	-5.35	-	-	43	216	V

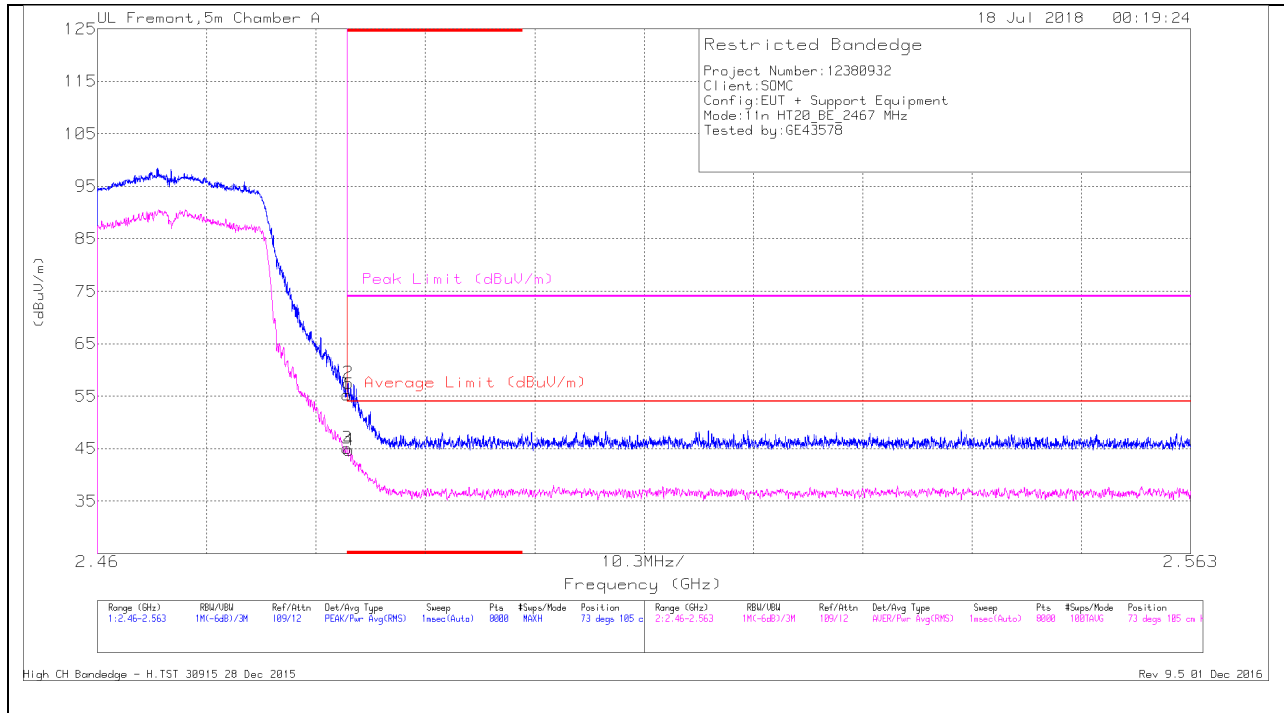
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Trace Markers

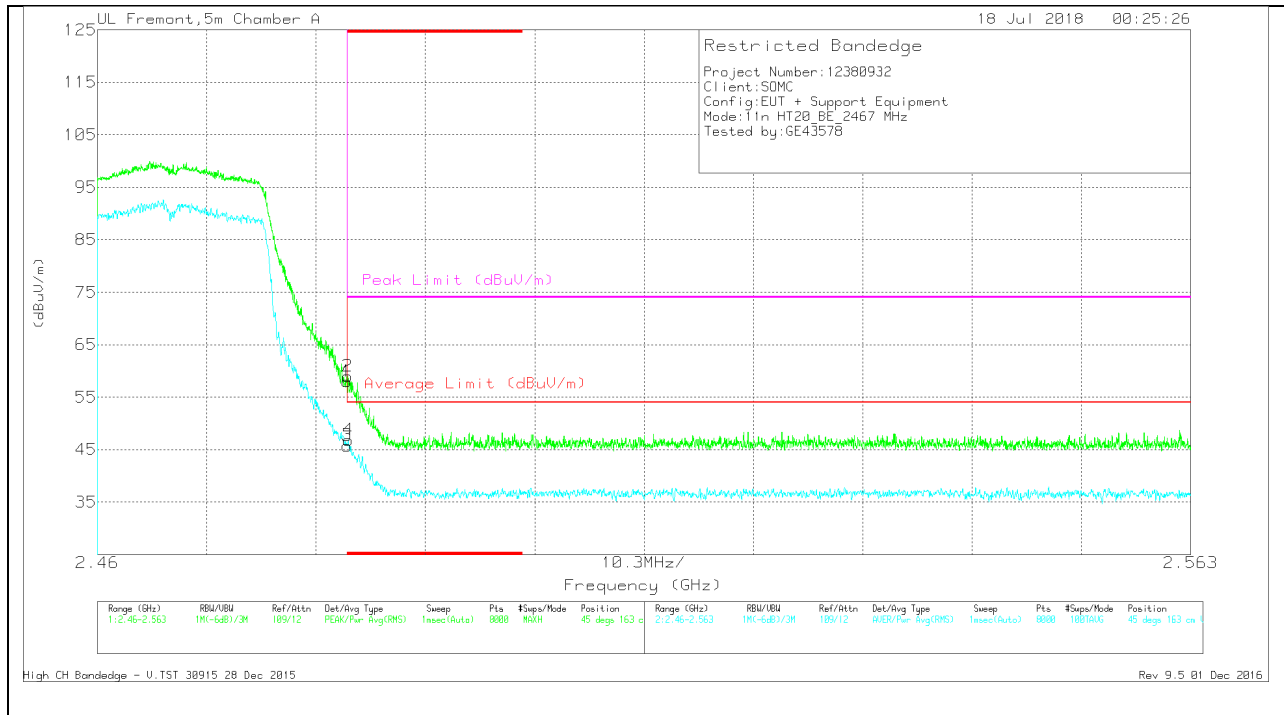
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.87	Pk	32.3	-22.9	0	55.27	-	-	74	-18.73	73	105	H
2	* 2.484	48.14	Pk	32.3	-22.9	0	57.54	-	-	74	-16.46	73	105	H
3	* 2.484	35.59	RMS	32.3	-22.9	.11	45.1	54	-8.9	-	-	73	105	H
4	* 2.484	35.14	RMS	32.3	-22.9	.11	44.65	54	-9.35	-	-	73	105	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 2.484	48.6	Pk	32.3	-22.9	0	58	-	-	74	-16	45	163	V
2	* 2.484	49.56	Pk	32.3	-22.9	0	58.96	-	-	74	-15.04	45	163	V
3	* 2.484	36.25	RMS	32.3	-22.9	.11	45.76	54	-8.24	-	-	45	163	V
4	* 2.484	37.3	RMS	32.3	-22.9	.11	46.81	54	-7.19	-	-	45	163	V

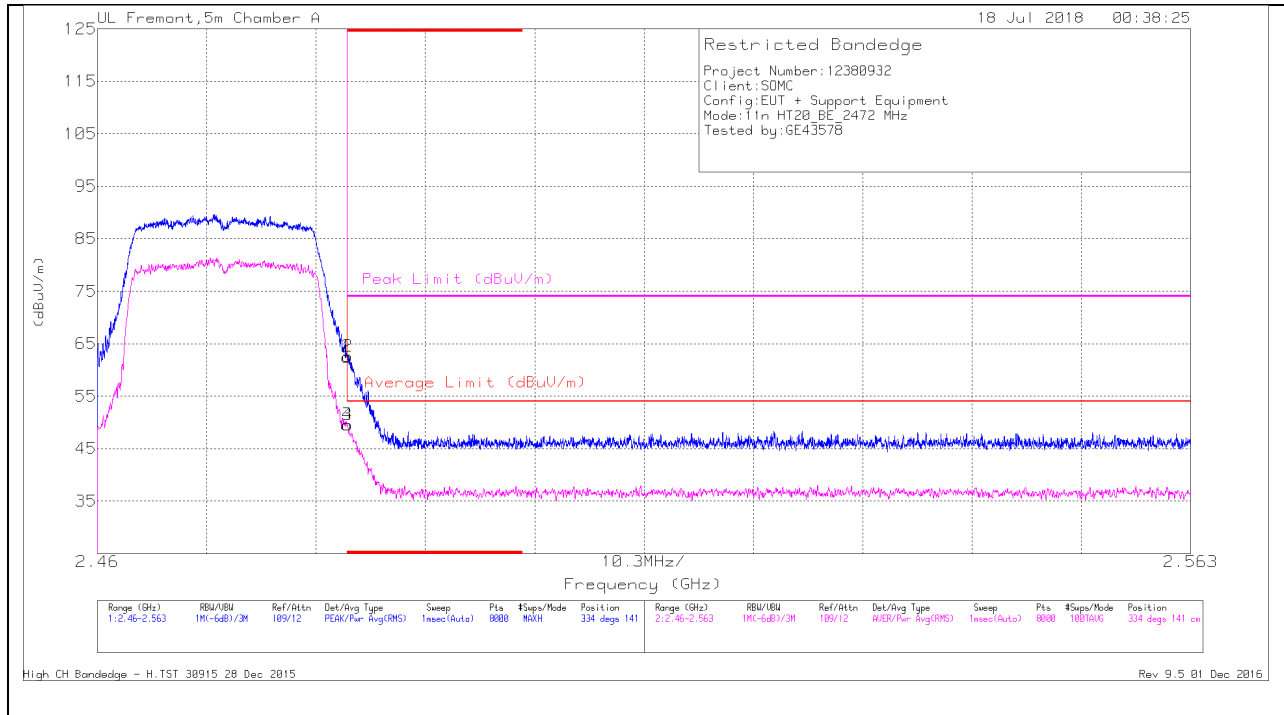
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT

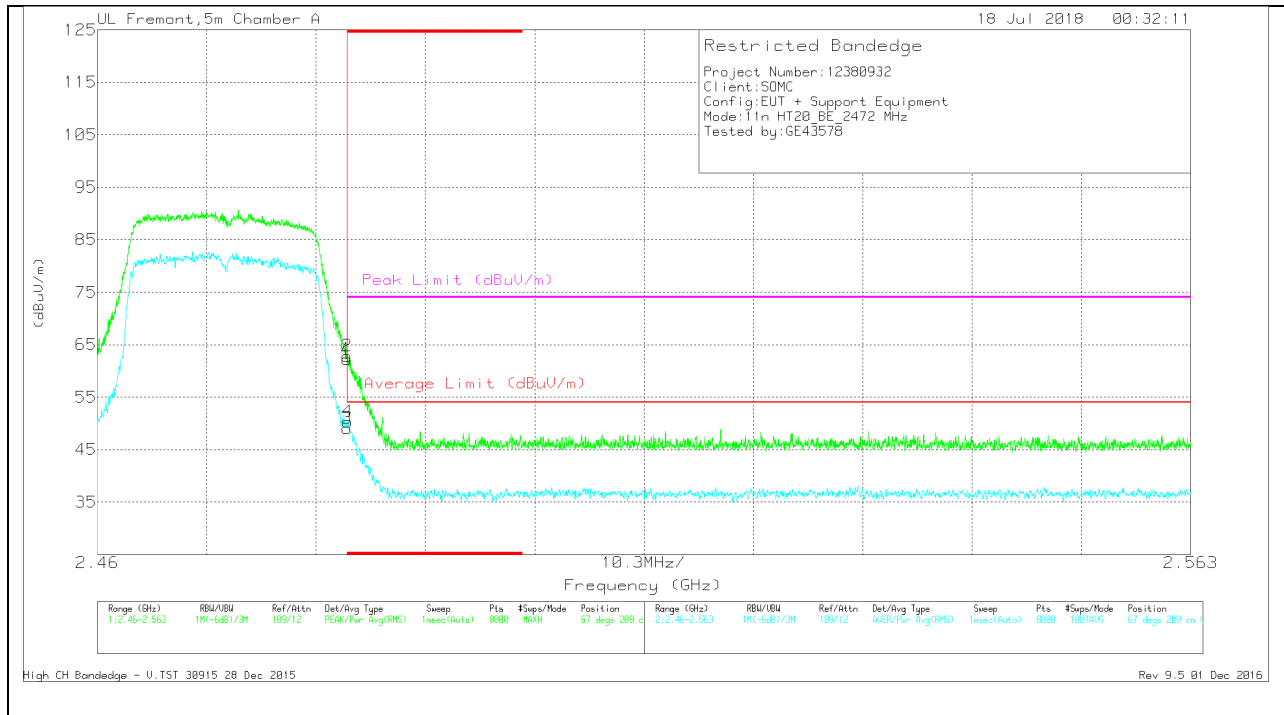


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/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
1	* 2.484	53.05	Pk	32.3	-22.9	0	62.45	-	-	74	-11.55	334	141	H
2	* 2.484	53.14	Pk	32.3	-22.9	0	62.54	-	-	74	-11.46	334	141	H
3	* 2.484	40.05	RMS	32.3	-22.9	.11	49.56	54	-4.44	-	-	334	141	H
4	* 2.484	40.02	RMS	32.3	-22.9	.11	49.53	54	-4.47	-	-	334	141	H

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

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 2.484	52.83	Pk	32.3	-22.9	0	62.23	-	-	74	-11.77	67	209	V
2	* 2.484	53.47	Pk	32.3	-22.9	0	62.87	-	-	74	-11.13	67	209	V
3	* 2.484	39.54	RMS	32.3	-22.9	.11	49.05	54	-4.95	-	-	67	209	V
4	* 2.484	40.79	RMS	32.3	-22.9	.11	50.3	54	-3.7	-	-	67	209	V

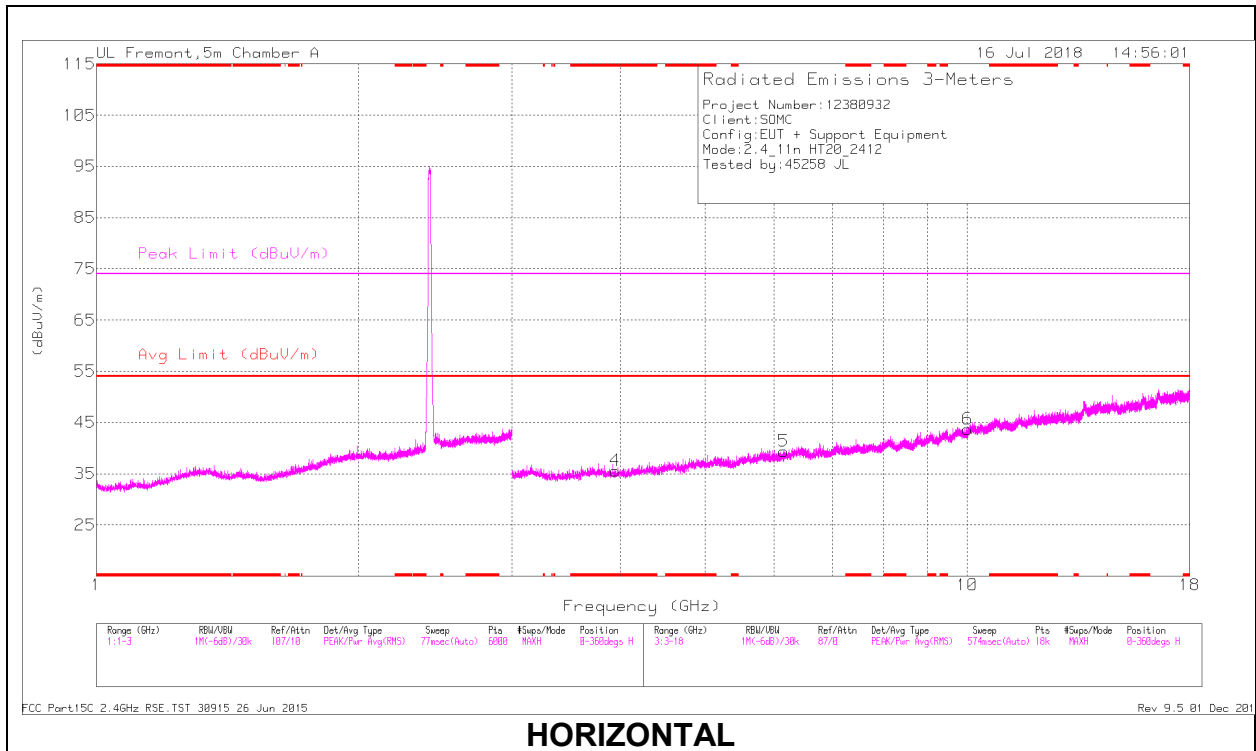
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

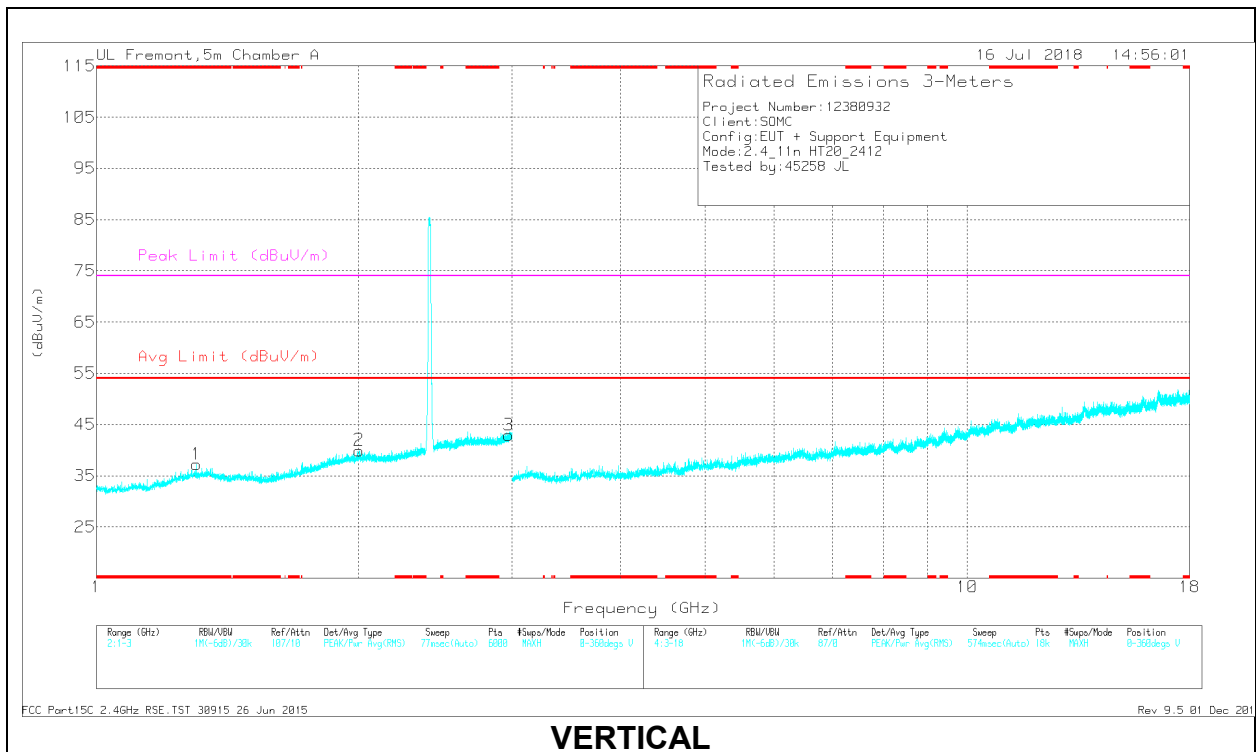
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Radiated Emissions

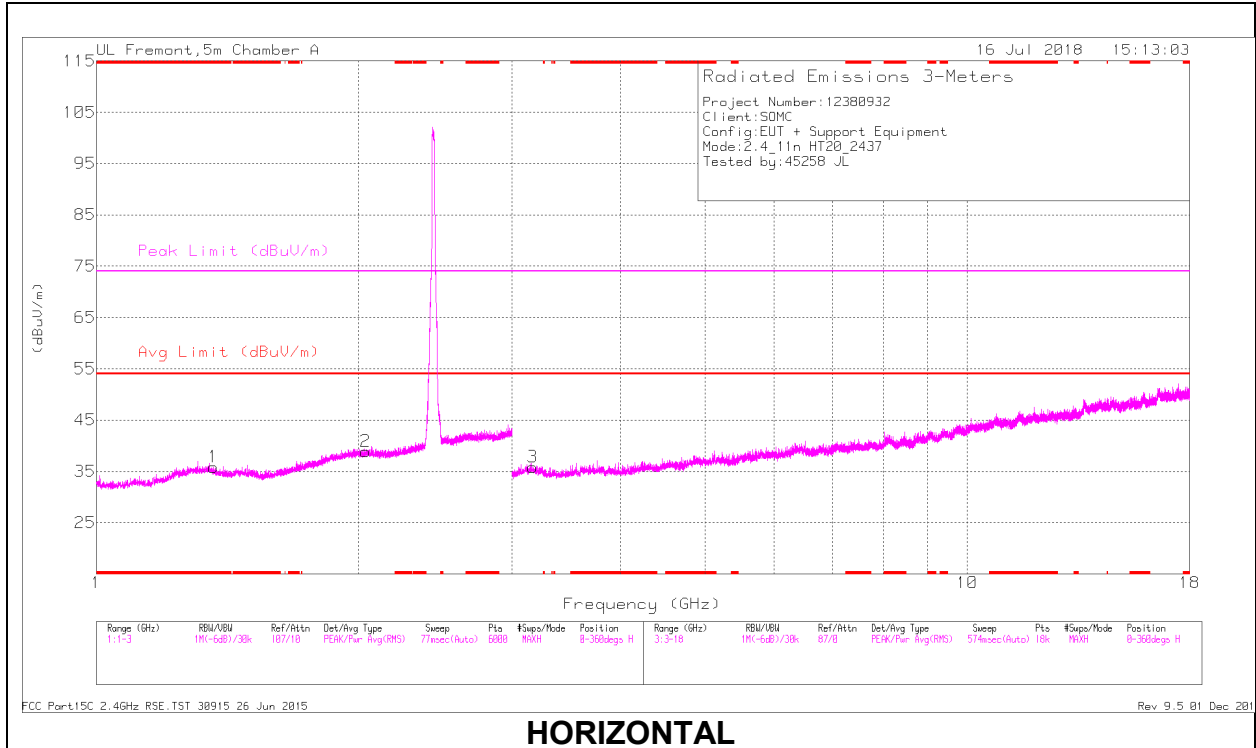
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.303	36.01	PK2	29.4	-23.3	0	42.11	-	-	74	-31.89	65	207	V
	* 1.301	24.65	MAv1	29.4	-23.3	.11	30.86	54	-23.14	-	-	65	207	V
4	* 3.94	37.06	PK2	33.3	-27.9	0	42.46	-	-	74	-31.54	104	233	H
	* 3.939	26.1	MAv1	33.2	-27.9	.11	31.51	54	-22.49	-	-	104	233	H
2	2.006	36.7	PK2	31.4	-23	0	45.1	-	-	-	-	156	189	V
3	2.974	37.39	PK2	32.3	-21.3	0	48.39	-	-	-	-	204	227	V
5	6.153	33.84	PK2	35.6	-24.5	0	44.94	-	-	-	-	244	254	H
6	10.011	31.66	PK2	37.3	-19.7	0	49.26	-	-	-	-	323	279	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

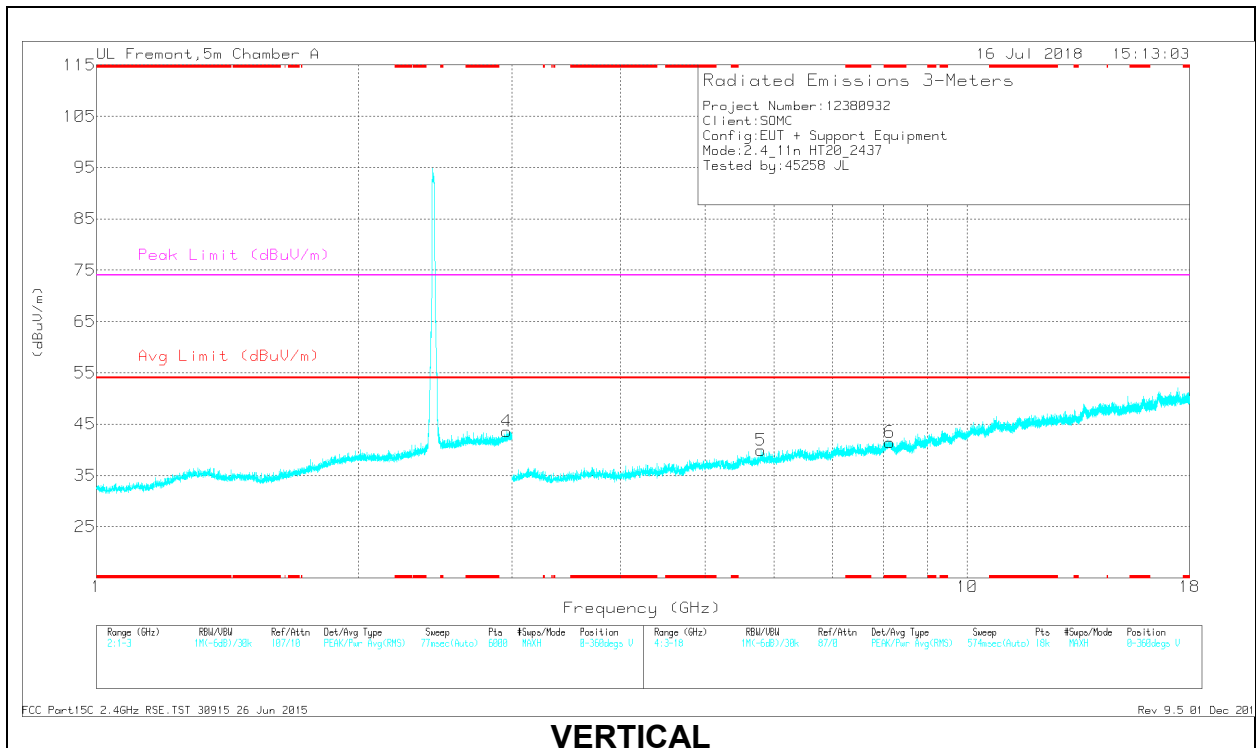
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Radiated Emissions

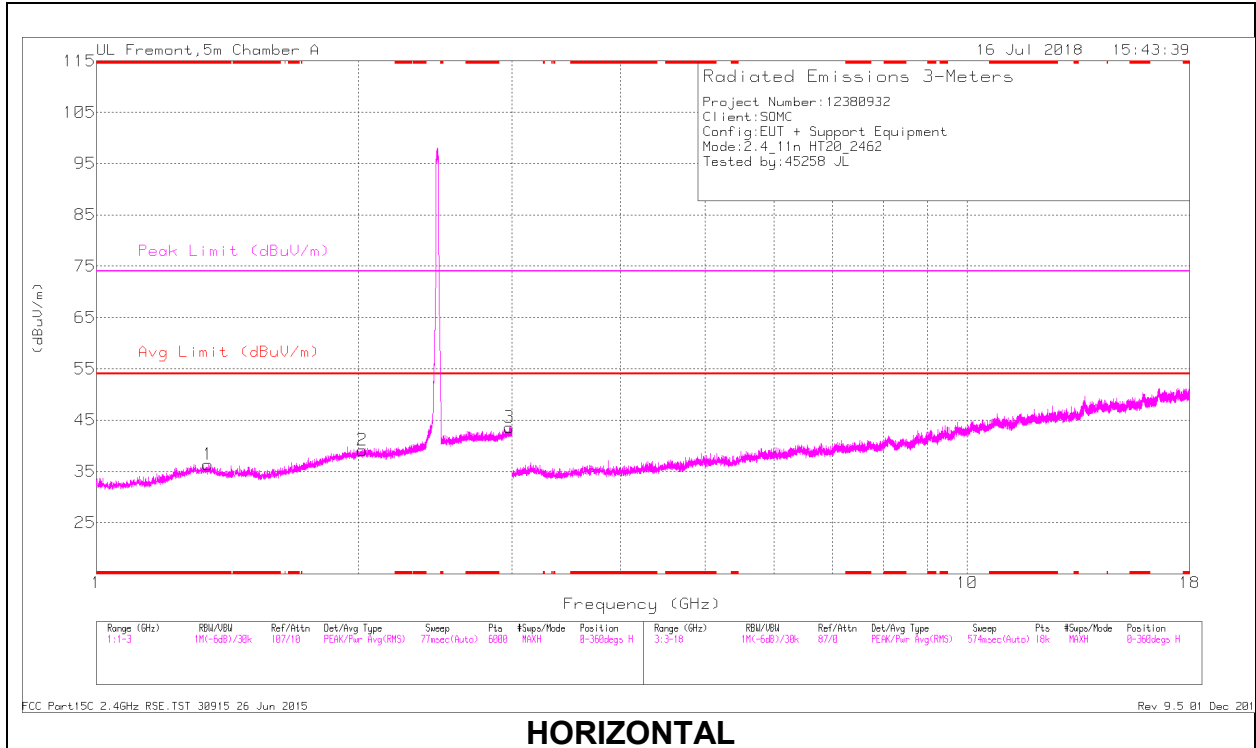
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.362	35.8	PK2	29.3	-23.4	0	41.7	-	-	74	-32.3	291	400	H
	* 1.361	24.67	MAv1	29.3	-23.4	.11	30.68	54	-23.32	-	-	291	400	H
6	* 8.143	32.4	PK2	35.8	-20.6	0	47.6	-	-	74	-26.4	260	284	V
	* 8.141	21.68	MAv1	35.8	-20.6	.11	36.99	54	-17.01	-	-	260	284	V
2	2.04	37.31	PK2	31.4	-23.1	0	45.61	-	-	-	-	195	237	H
4	2.961	37.36	PK2	32.2	-21.3	0	48.26	-	-	-	-	150	209	V
3	3.169	36.81	PK2	32.9	-27.3	0	42.41	-	-	-	-	102	167	H
5	5.797	35.2	PK2	35.1	-24.8	0	45.5	-	-	-	-	134	214	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

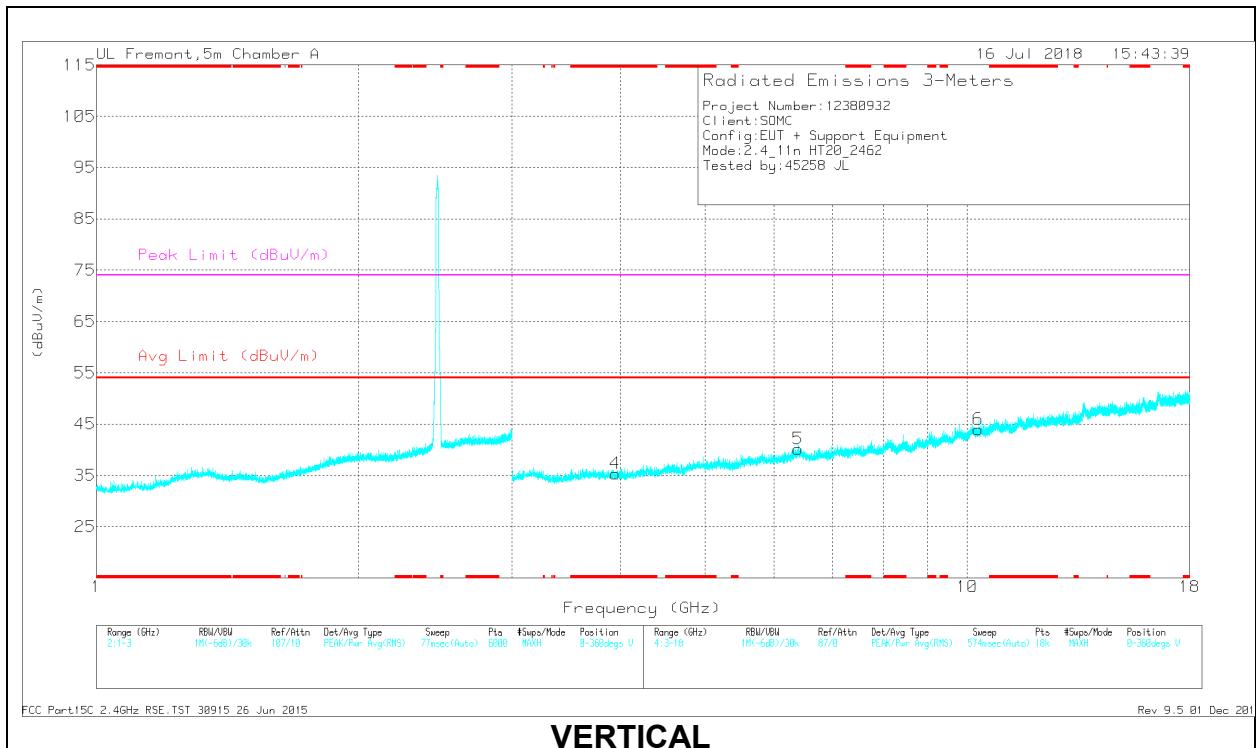
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/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
1	* 1.342	36.27	PK2	29.5	-23.4	0	42.37	-	-	74	-31.63	88	174	H
	* 1.345	24.78	MAv1	29.5	-23.4	.11	30.99	54	-23.01	-	-	88	174	H
4	* 3.941	36.35	PK2	33.3	-27.9	0	41.75	-	-	74	-32.25	131	189	V
	* 3.941	25.76	MAv1	33.3	-27.9	.11	31.27	54	-22.73	-	-	131	189	V
2	2.02	36.94	PK2	31.4	-23.1	0	45.24	-	-	-	-	182	167	H
3	2.977	37.23	PK2	32.3	-21.3	0	48.23	-	-	-	-	223	237	H
5	6.394	34.28	PK2	35.8	-23.9	0	46.18	-	-	-	-	198	279	V
6	10.292	31.73	PK2	37.5	-19.3	0	49.93	-	-	-	-	273	219	V

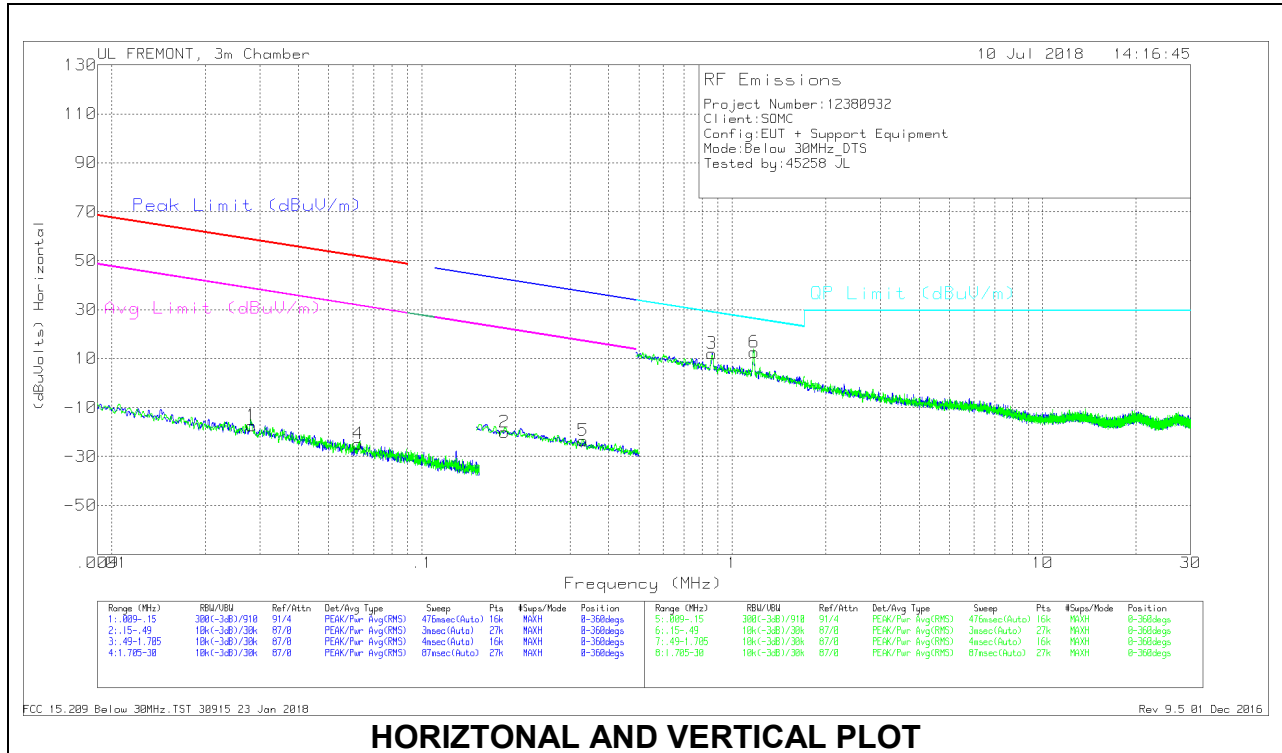
* - indicates frequency in CFR47 Pt 15 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2. Worst Case Below 30 MHz

SPURIOUS EMISSIONS 9 kHz TO 30 MHz (WORST-CASE CONFIGURATION)



HORIZONTAL AND VERTICAL PLOT

Below 30 MHz Data

Trace Markers

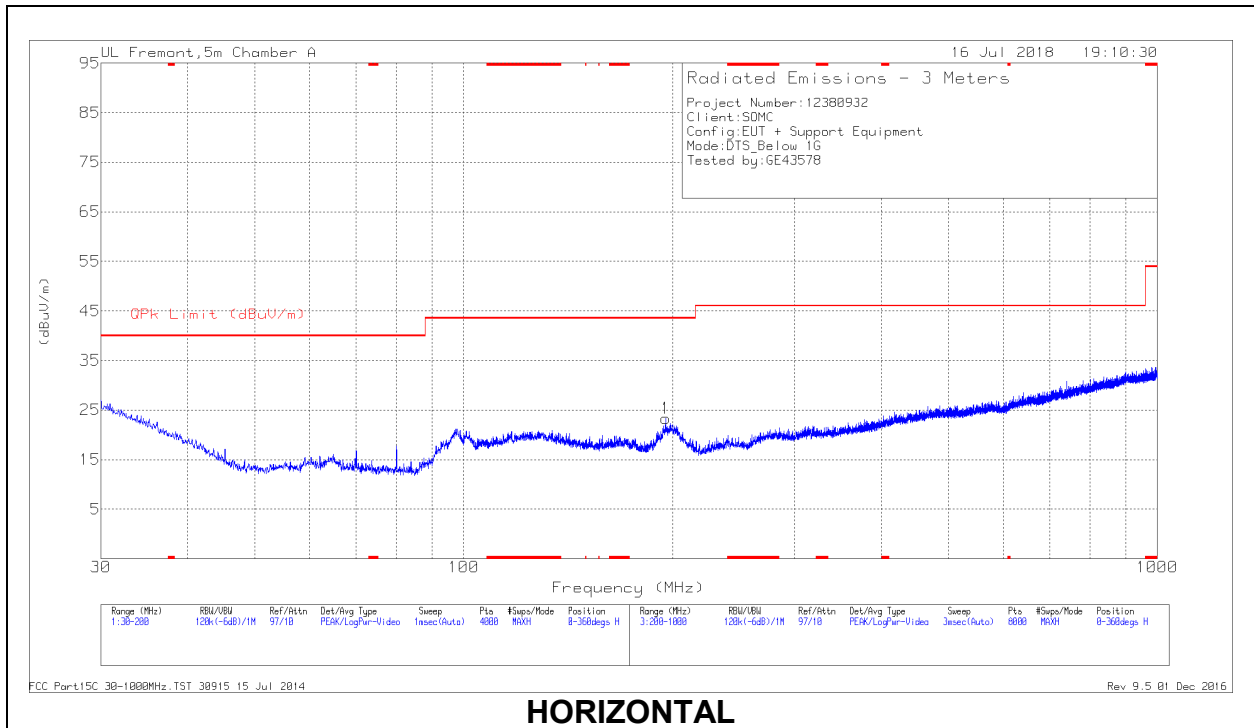
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBUvolts)	Peak Limit (dBUV/m)	Margin (dB)	Avg Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	Margin (dB)	Avg Limit (dBUV/m)	Margin (dB)	Azimuth (Degs)
1	.02828	46.02	Pk	15.2	1.4	-80	-17.38	58.56	-75.94	38.56	-55.94	-	-	-	-	0-360
4	.06233	39.43	Pk	14.3	1.4	-80	-24.87	51.69	-76.56	31.69	-56.56	-	-	-	-	0-360
2	.18453	44.66	Pk	13.8	1.5	-80	-20.04	-	-	-	-	42.3	-62.34	22.3	-42.34	0-360
5	.33081	41.15	Pk	13.7	1.5	-80	-23.65	-	-	-	-	37.22	-60.87	17.22	-40.87	0-360

Pk - Peak detector

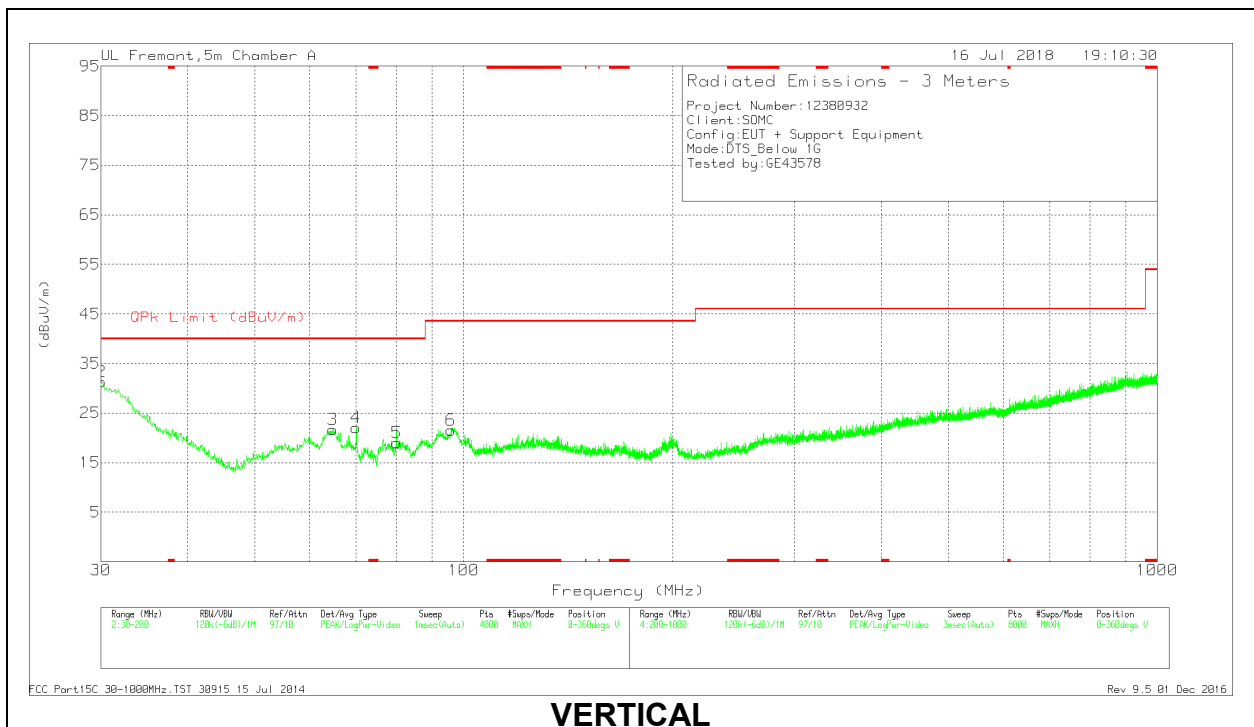
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 30m	Corrected Reading (dBUvolts)	QP Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	Margin (dB)	Avg Limit (dBUV/m)	Margin (dB)	Azimuth (Degs)
3	.8602	36.5	Pk	14	1.5	-40	12	28.93	-16.93	-	-	-	-	0-360
6	1.17491	37.01	Pk	14.2	1.5	-40	12.71	26.23	-13.52	-	-	-	-	0-360

Pk - Peak detector

9.3. Worst Case Below 1 GHz



HORIZONTAL



VERTICAL

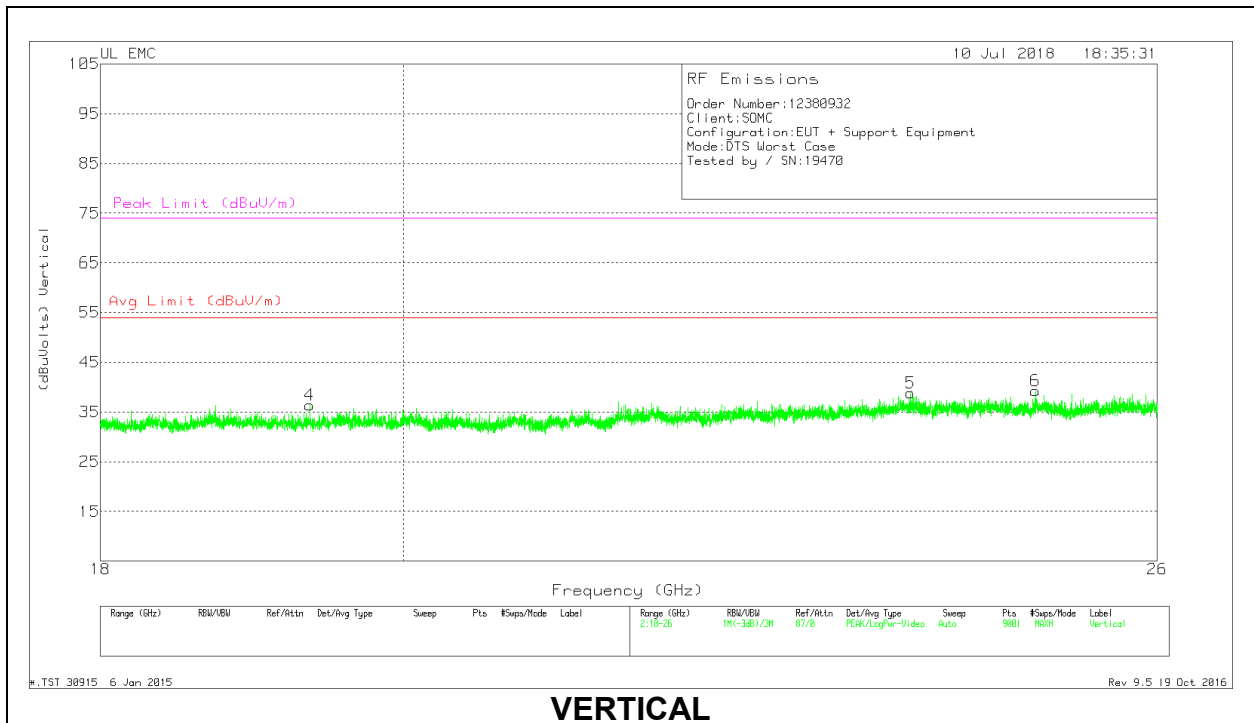
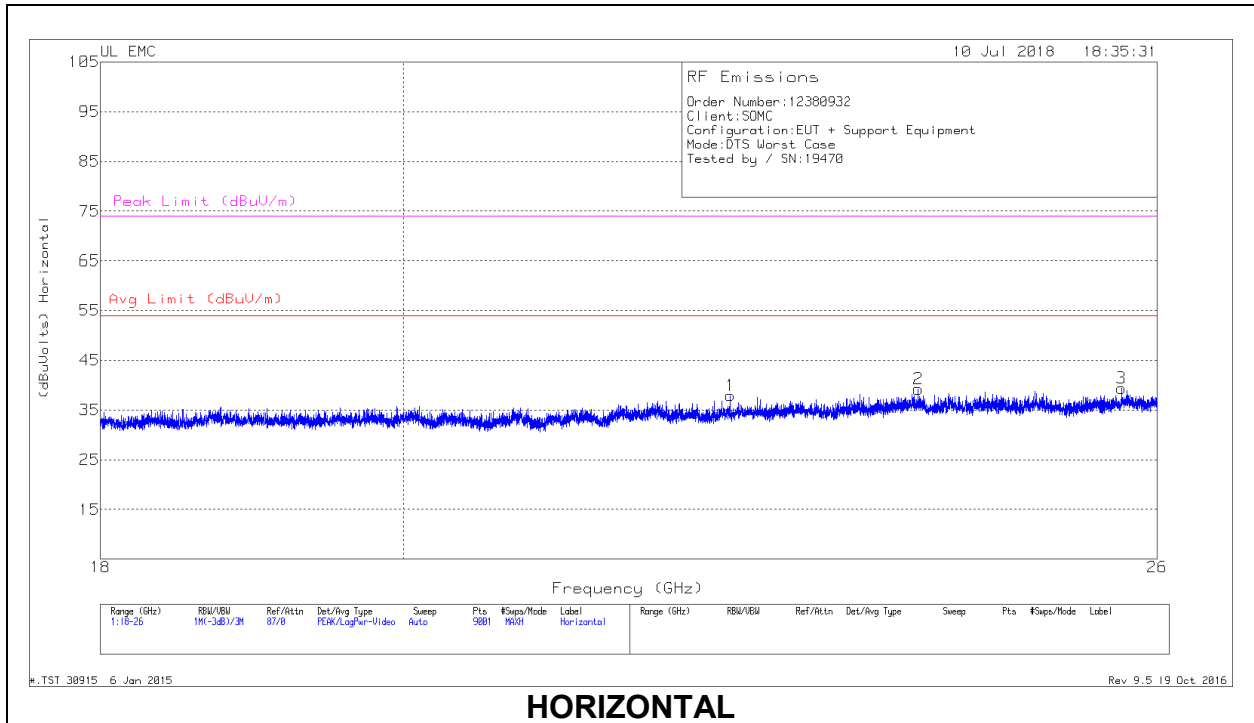
Below 1GHz DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AFT130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	30.0638	33.47	Pk	25.2	-27.3	31.37	40	-8.63	0-360	100	V
3	64.8165	36.39	Pk	12.1	-26.8	21.69	40	-18.31	0-360	100	V
4	70.0029	36.63	Pk	12.1	-26.7	22.03	40	-17.97	0-360	100	V
5	80.078	34.13	Pk	11.5	-26.6	19.03	40	-20.97	0-360	100	V
6	95.8921	34.84	Pk	13.1	-26.4	21.54	43.52	-21.98	0-360	100	V
1	195.6229	32.71	Pk	16	-25.4	23.31	43.52	-20.21	0-360	200	H

Pk - Peak detector

9.4. Worst Case 18-26 GHz



18 – 26GHz DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T89 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	22.411	39.52	Pk	33.2	-25.3	-9.5	37.92	54	-16.08	74	-36.08
2	23.924	39.22	Pk	33.4	-23.9	-9.5	39.22	54	-14.78	74	-34.78
3	25.677	39.56	Pk	34.1	-24.8	-9.5	39.36	54	-14.64	74	-34.64
4	19.36	38.47	Pk	32.4	-25	-9.5	36.37	54	-17.63	74	-37.63
5	23.86	38.91	Pk	33.5	-24.1	-9.5	38.81	54	-15.19	74	-35.19
6	24.92	38.87	Pk	34.1	-24.2	-9.5	39.27	54	-14.73	74	-34.73

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

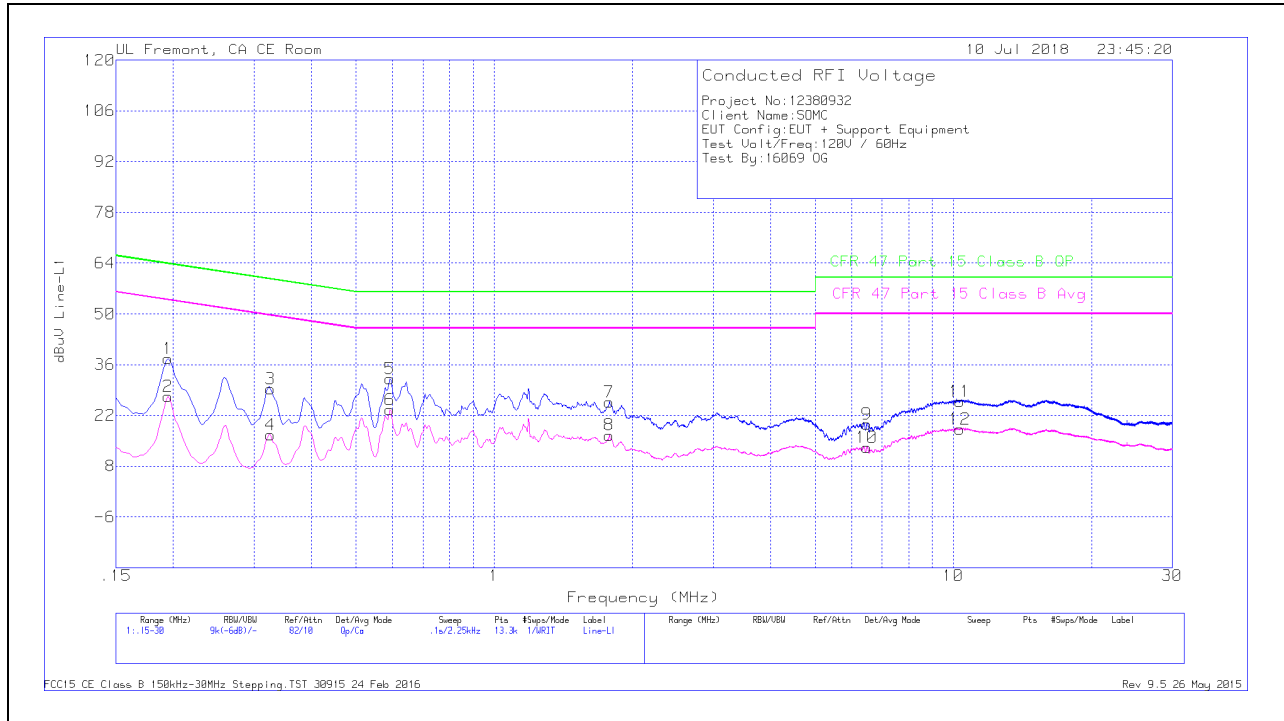
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Norm

LINE 1 RESULTS

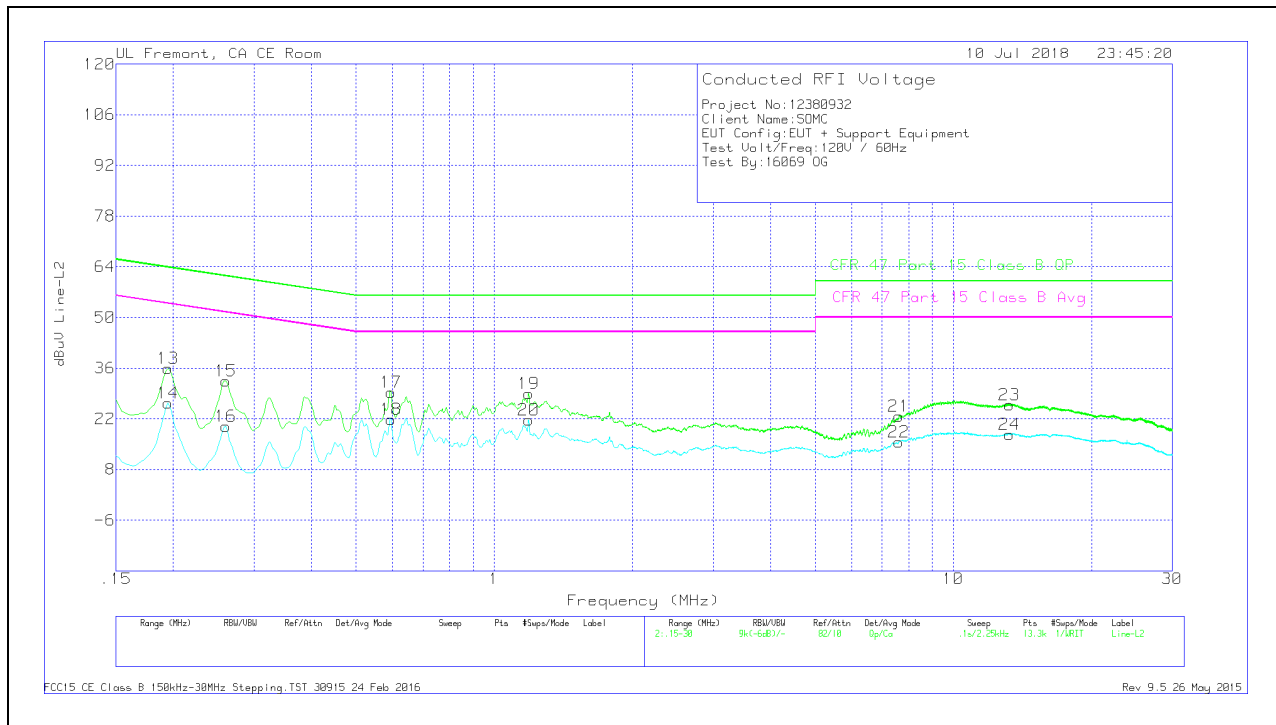


Trace Markers

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.195	27.56	Qp	0	0	10.1	37.66	63.82	-26.16	-	-
2	.195	17.2	Ca	0	0	10.1	27.3	-	-	53.82	-26.52
3	.3255	19.27	Qp	0	0	10.1	29.37	59.57	-30.2	-	-
4	.3255	6.55	Ca	0	0	10.1	16.65	-	-	49.57	-32.92
5	.59325	22	Qp	0	0	10.1	32.1	56	-23.9	-	-
6	.59325	13.54	Ca	0	0	10.1	23.64	-	-	46	-22.36
7	1.78125	15.45	Qp	0	.1	10.1	25.65	56	-30.35	-	-
8	1.78125	6.34	Ca	0	.1	10.1	16.54	-	-	46	-29.46
9	6.4815	9.13	Qp	0	.2	10.2	19.53	60	-40.47	-	-
10	6.4815	2.75	Ca	0	.2	10.2	13.15	-	-	50	-36.85
11	10.3335	15.37	Qp	0	.2	10.2	25.77	60	-34.23	-	-
12	10.3335	7.83	Ca	0	.2	10.2	18.23	-	-	50	-31.77

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



Trace Markers

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.195	25.8	Qp	0	0	10.1	35.9	63.82	-27.92	-	-
14	.195	16.19	Ca	0	0	10.1	26.29	-	-	53.82	-27.53
15	.26025	22.33	Qp	0	0	10.1	32.43	61.42	-28.99	-	-
16	.26025	9.84	Ca	0	0	10.1	19.94	-	-	51.42	-31.48
17	.5955	19.2	Qp	0	0	10.1	29.3	56	-26.7	-	-
18	.5955	11.74	Ca	0	0	10.1	21.84	-	-	46	-24.16
19	1.1895	18.71	Qp	0	.1	10.1	28.91	56	-27.09	-	-
20	1.1895	11.52	Ca	0	.1	10.1	21.72	-	-	46	-24.28
21	7.611	12.31	Qp	0	.2	10.2	22.71	60	-37.29	-	-
22	7.611	5.26	Ca	0	.2	10.2	15.66	-	-	50	-34.34
23	13.254	15.27	Qp	.1	.2	10.2	25.77	60	-34.23	-	-
24	13.254	7.15	Ca	.1	.2	10.2	17.65	-	-	50	-32.35

Qp - Quasi-Peak detector
 Ca - CISPR average detection