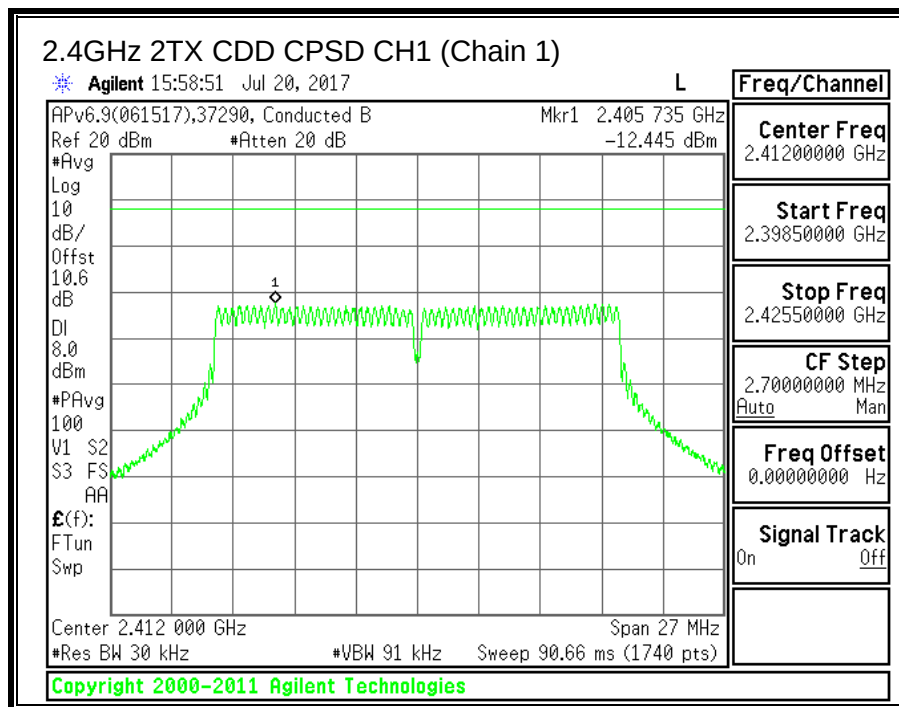
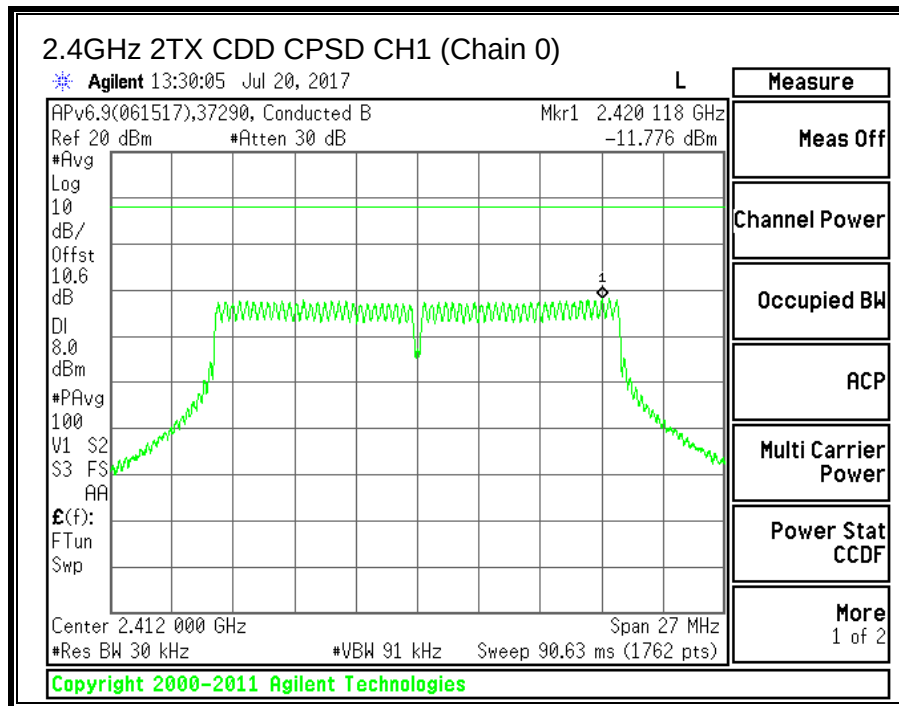
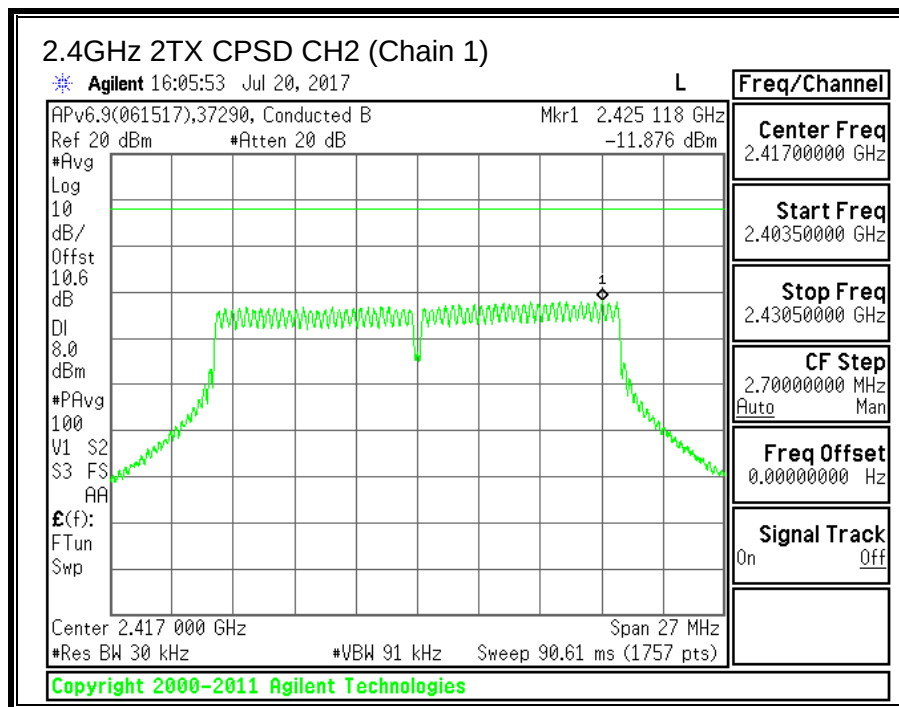
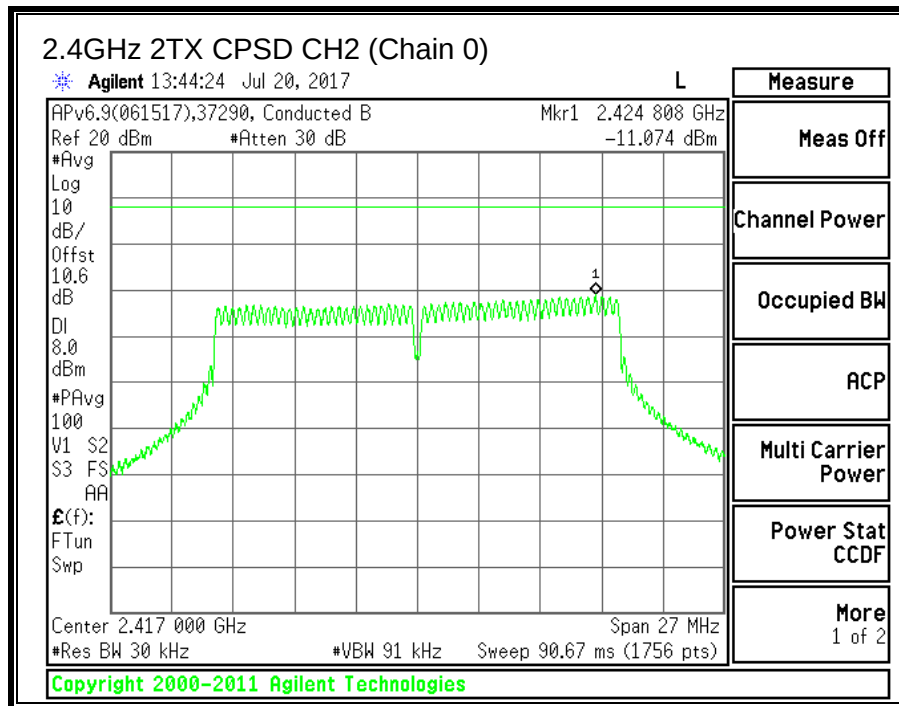
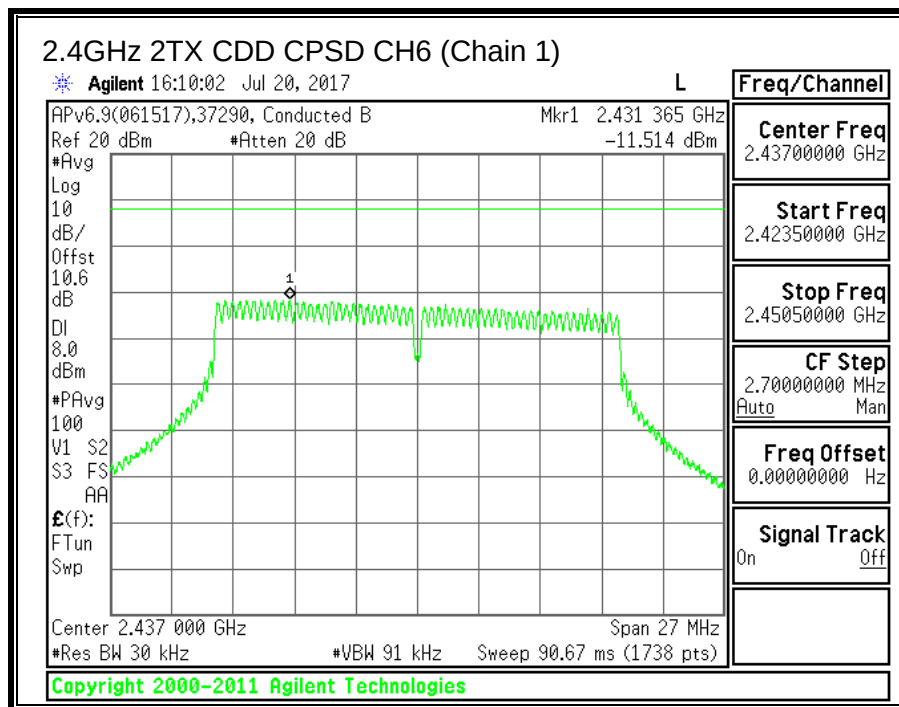
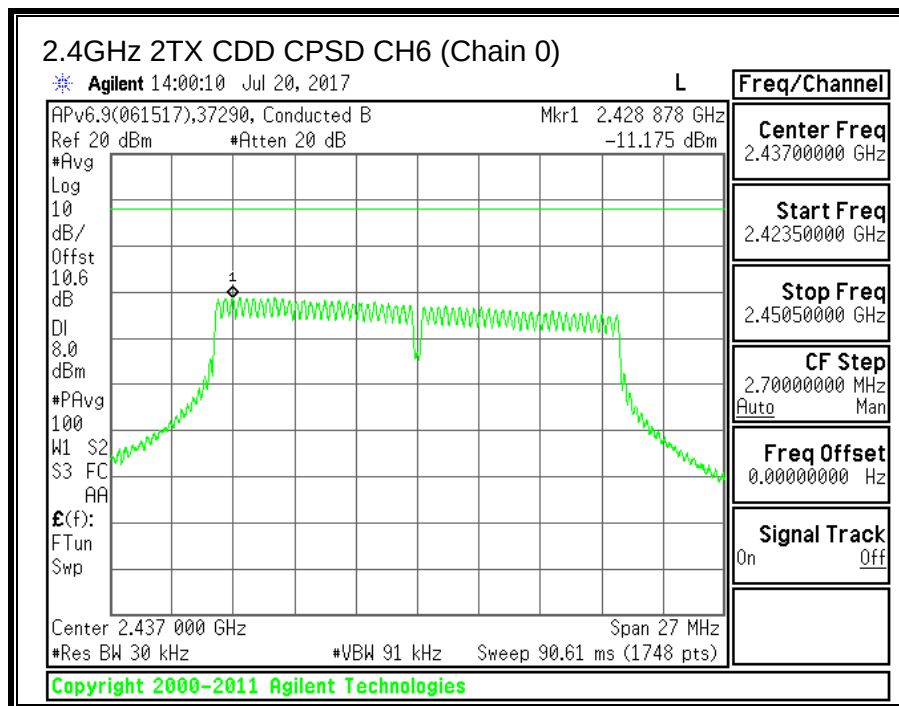
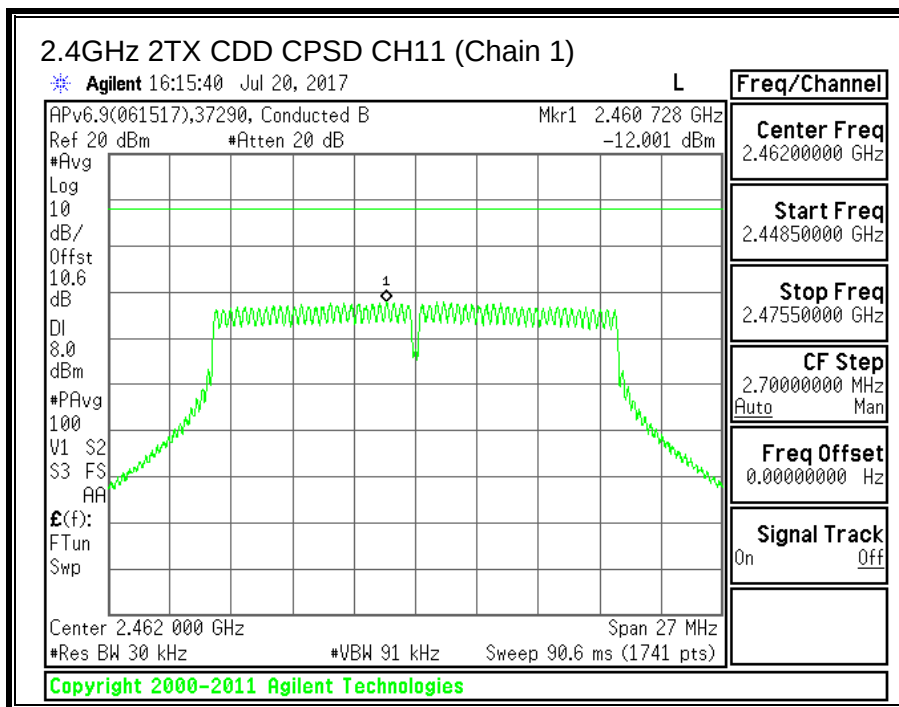
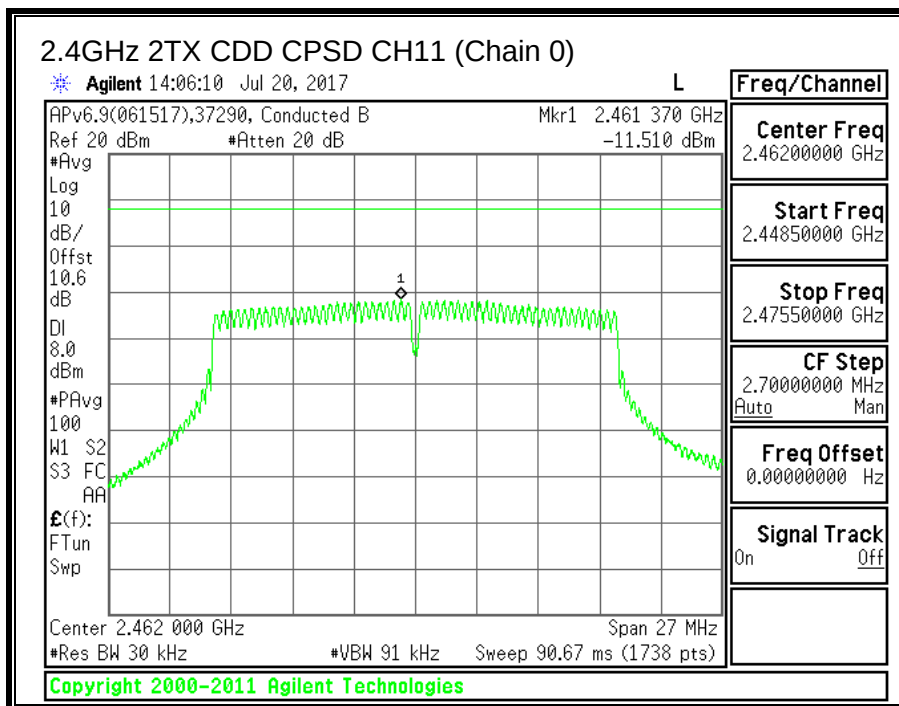
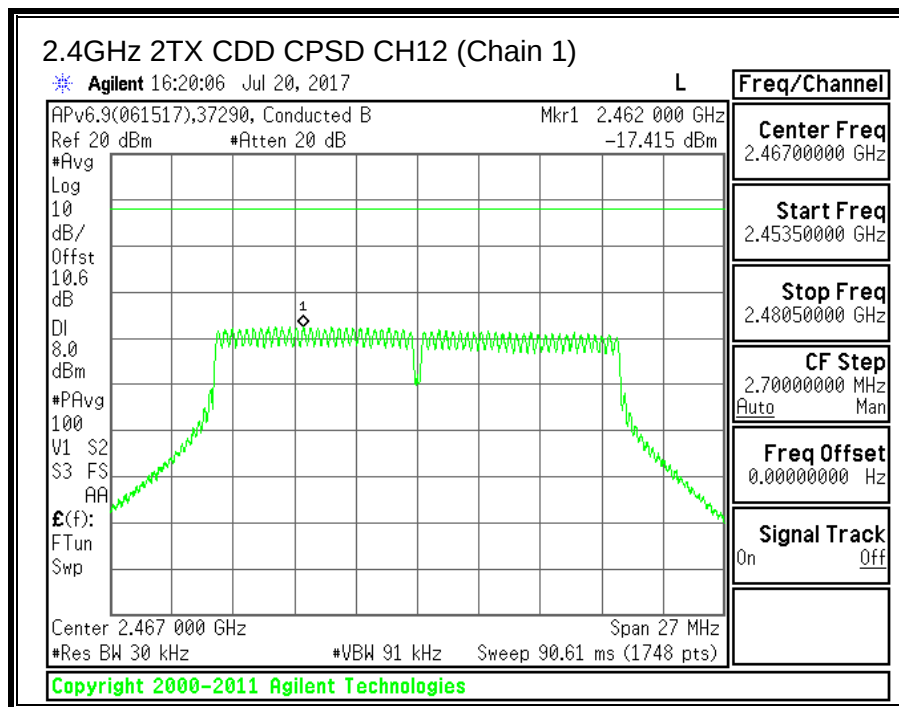
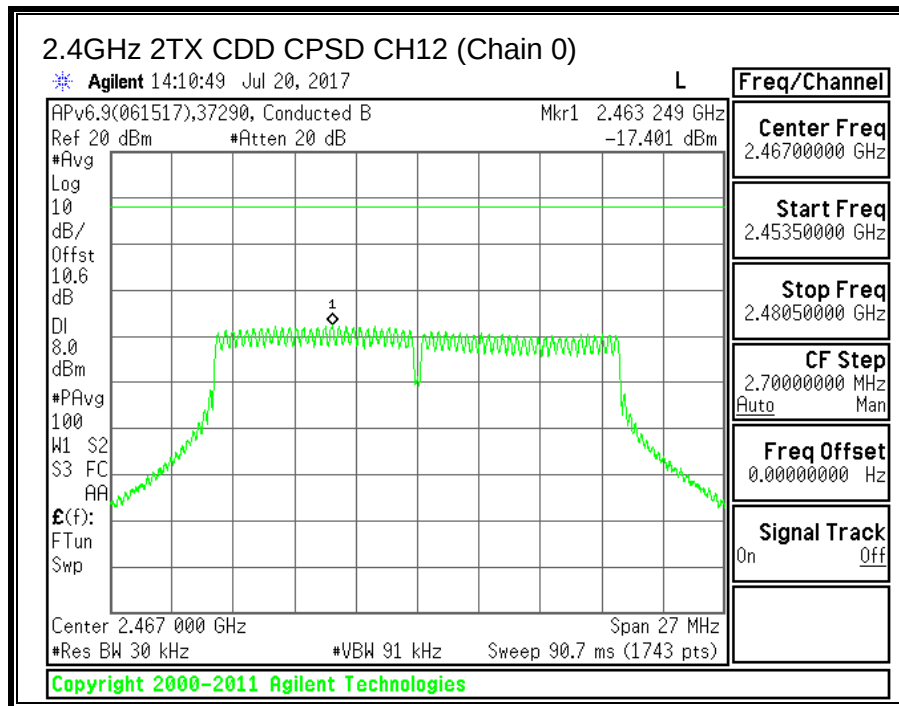


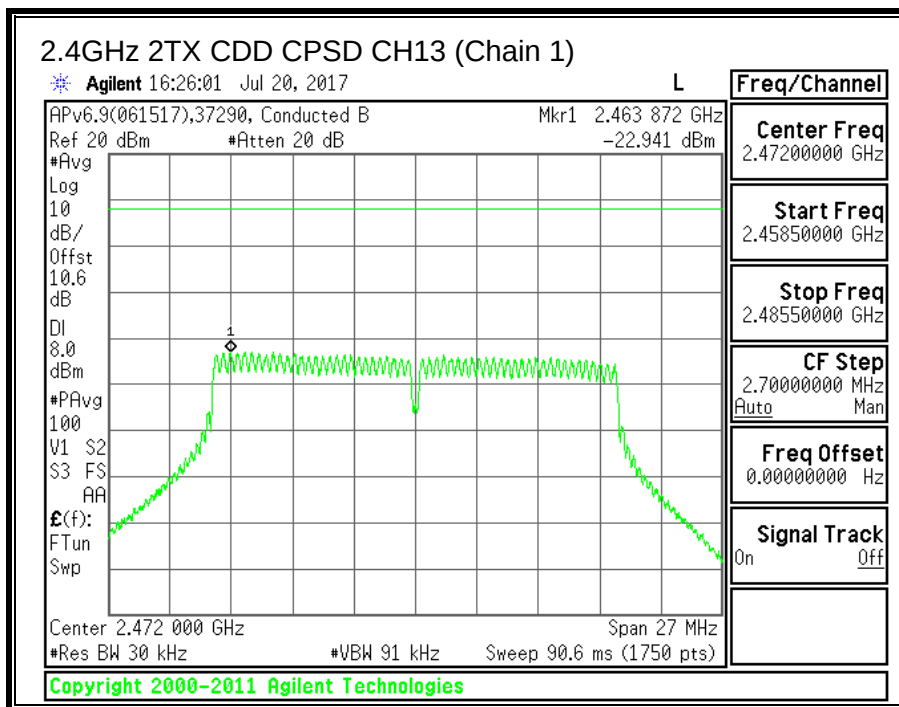
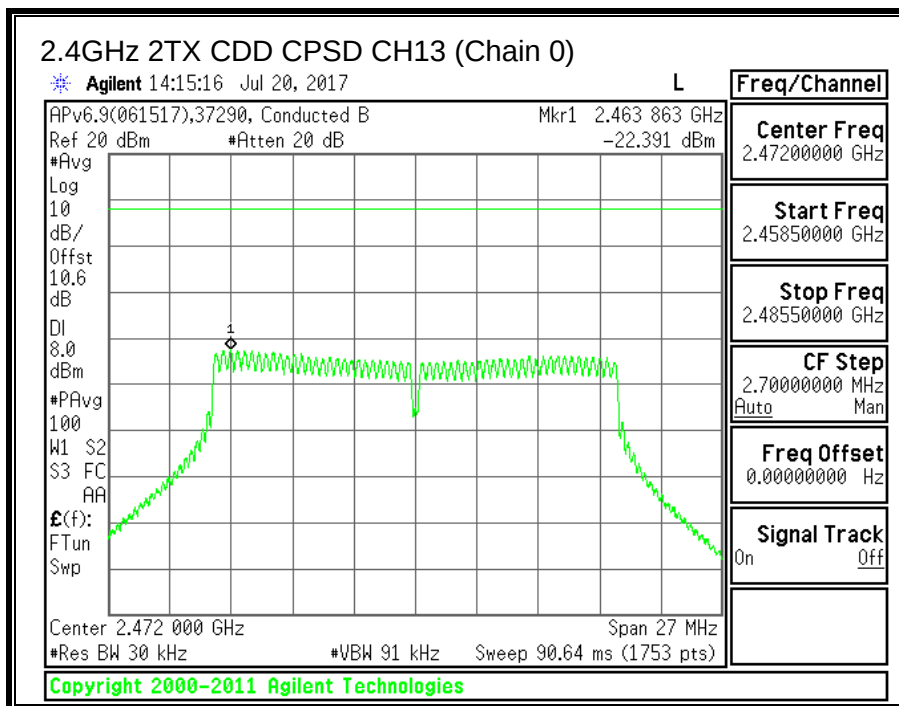




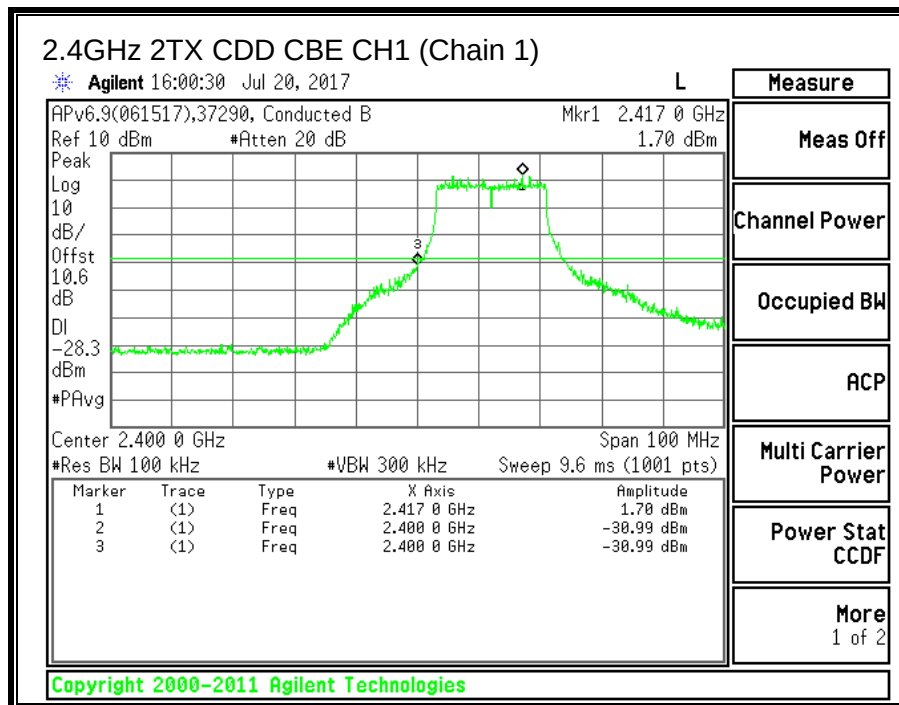
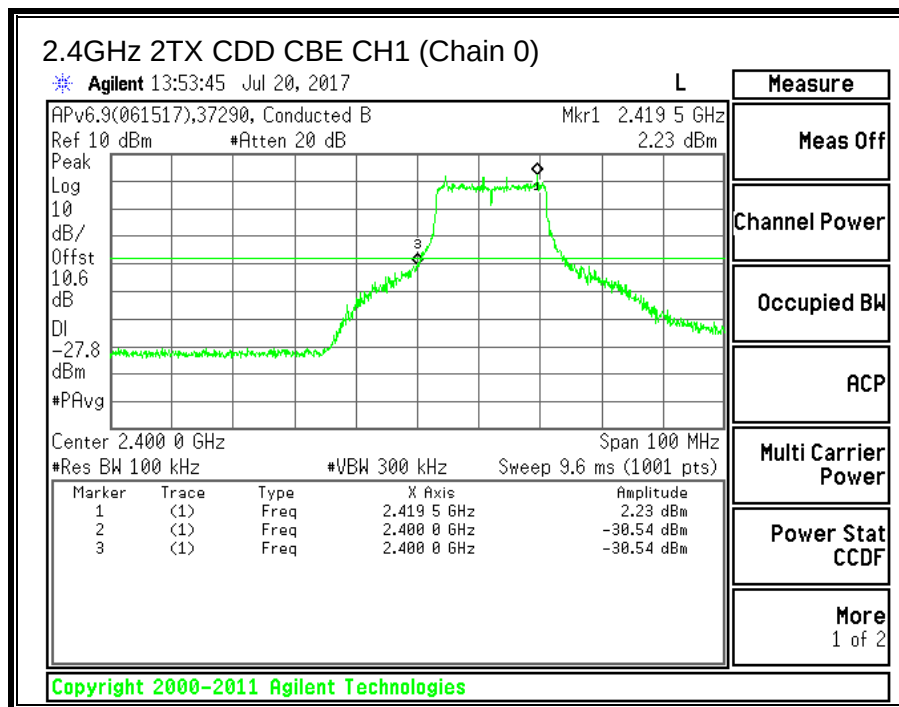


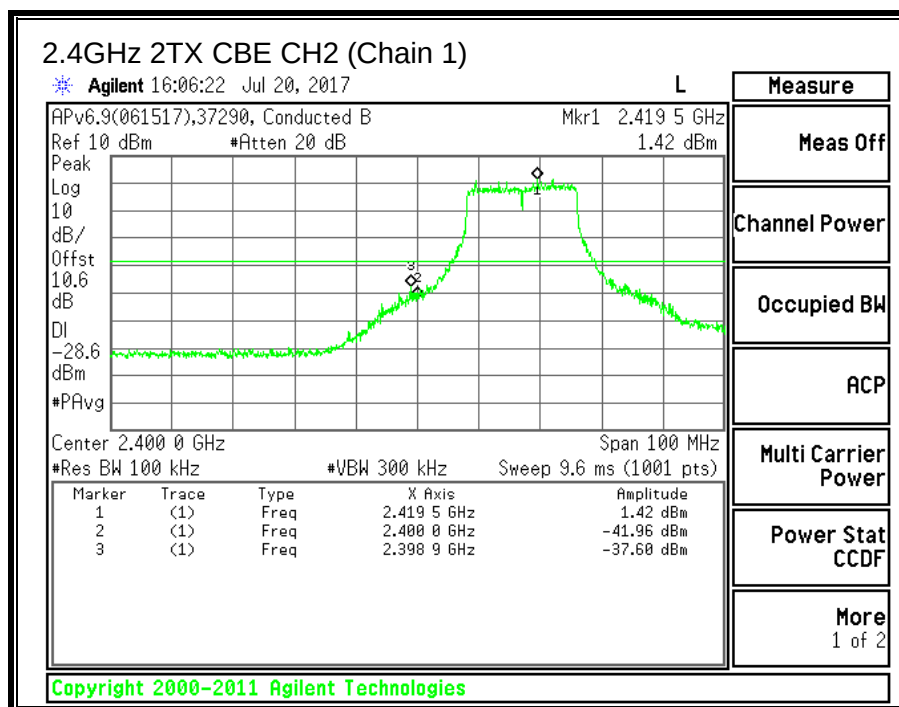
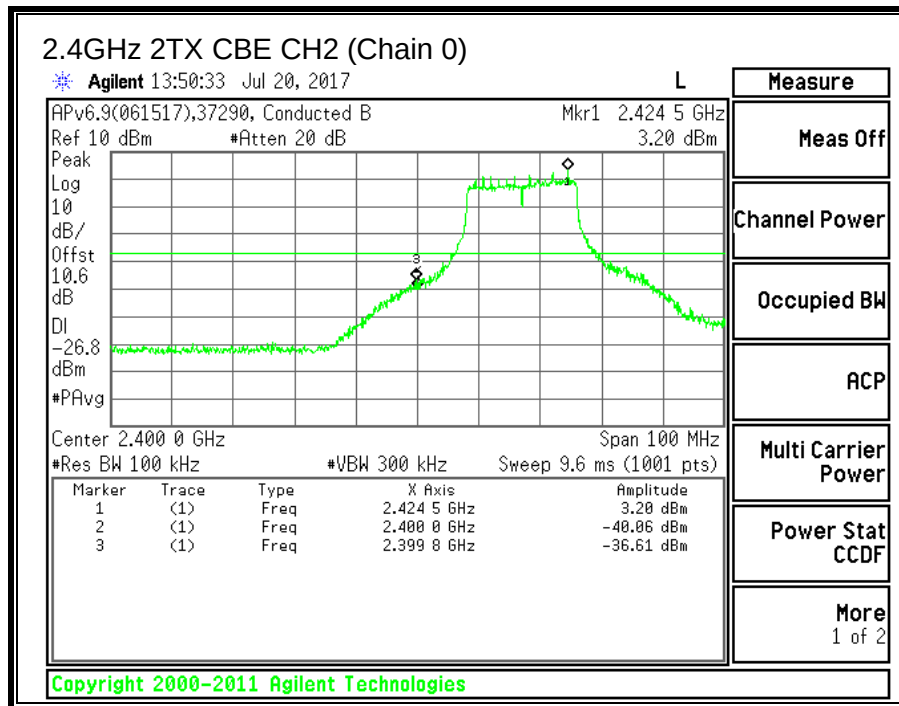


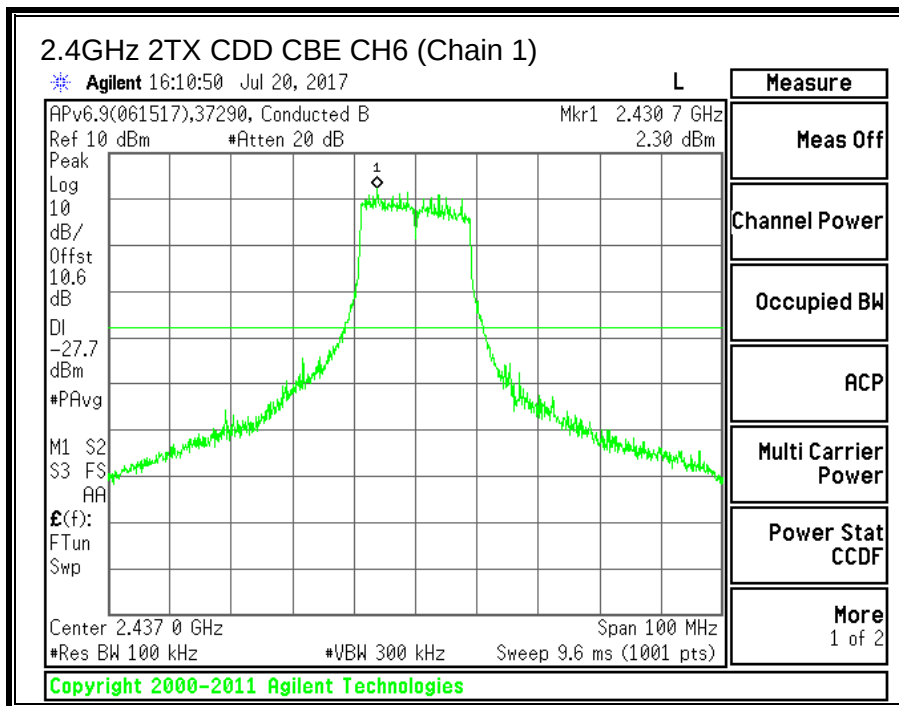
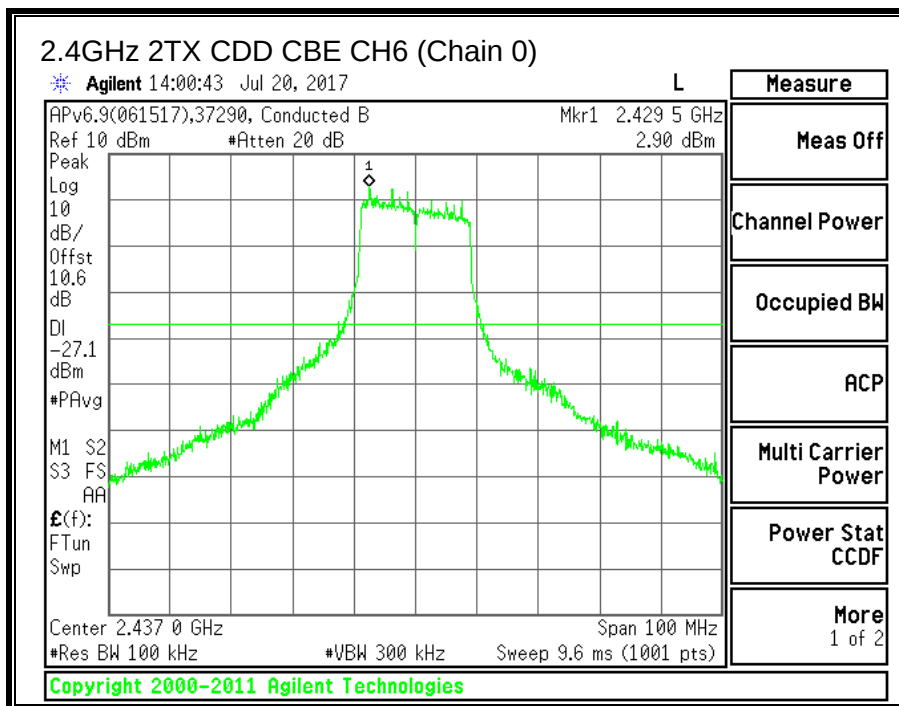


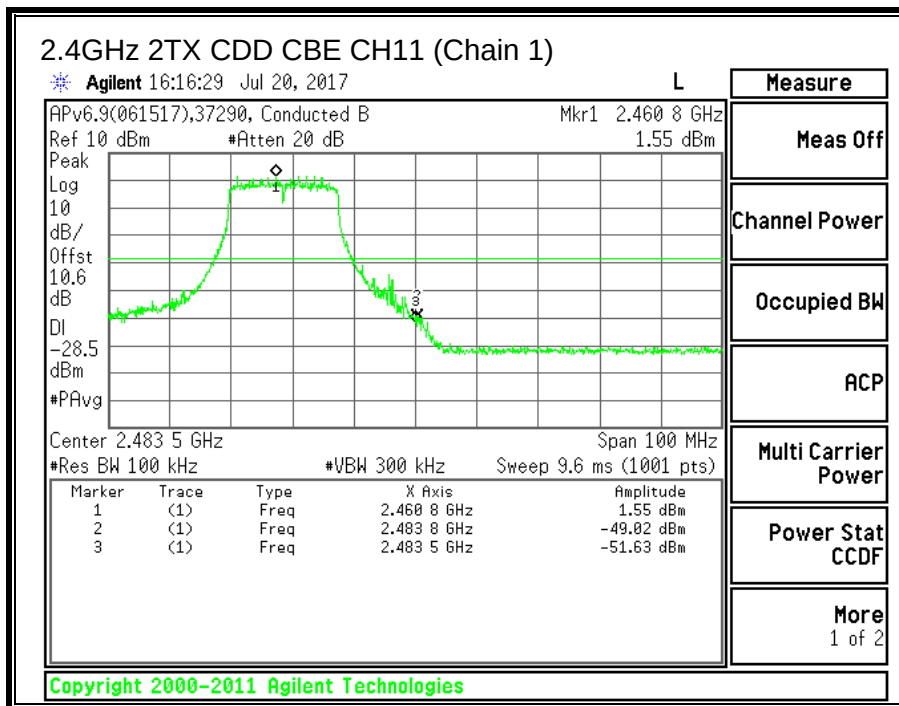
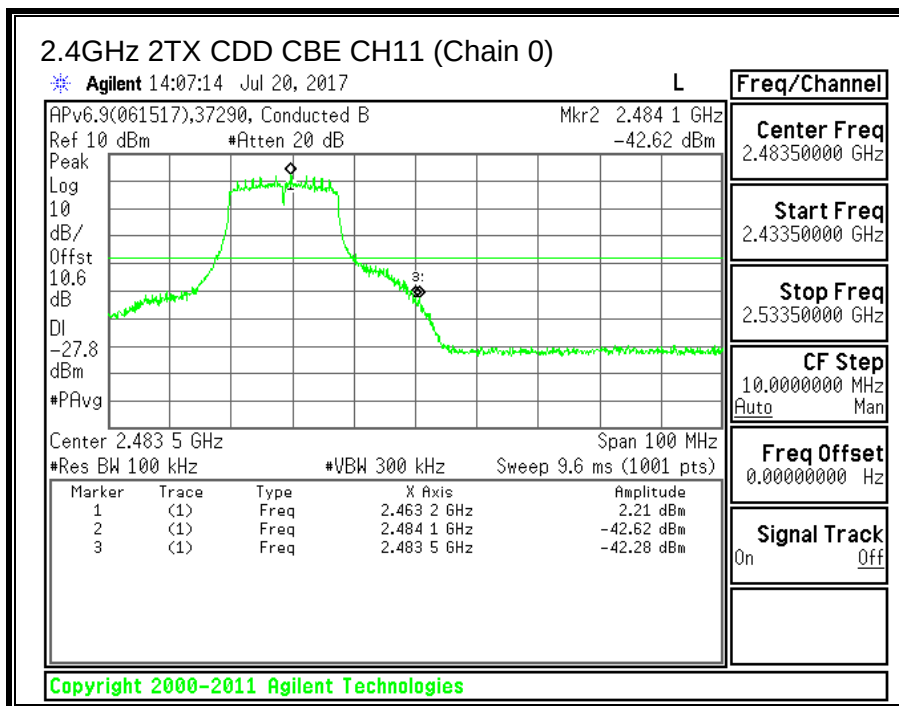


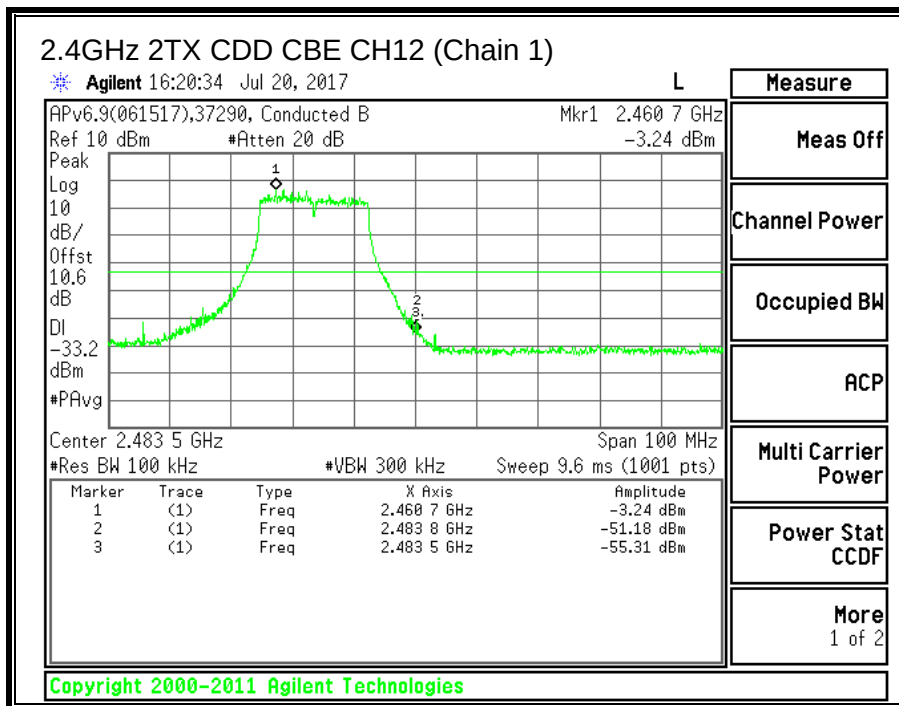
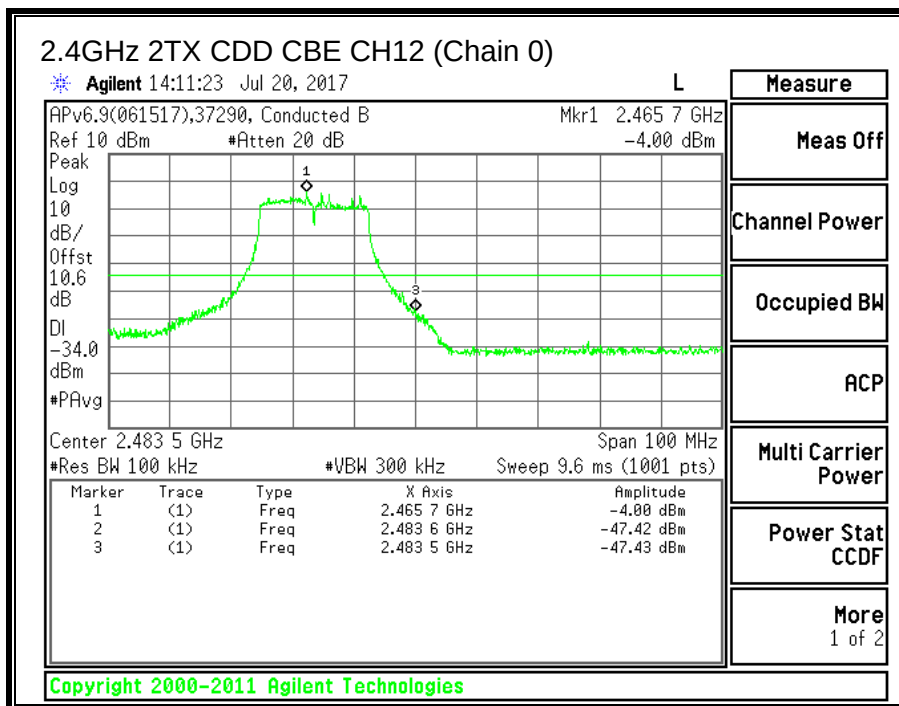
9.4.5. CONDUCTED BANDEDGE AND SPURIOUS EMISSIONS

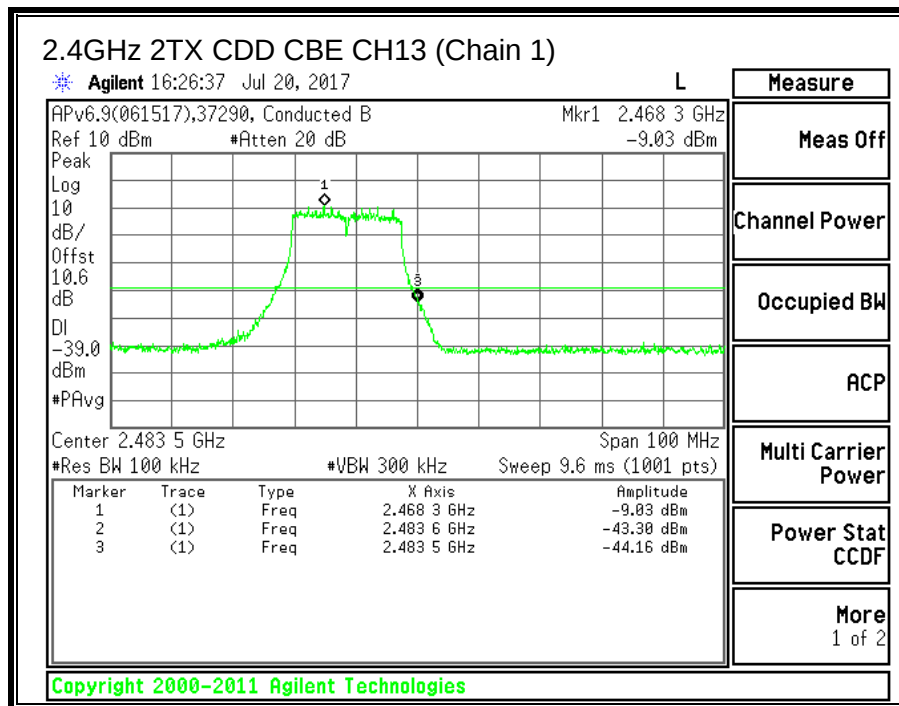
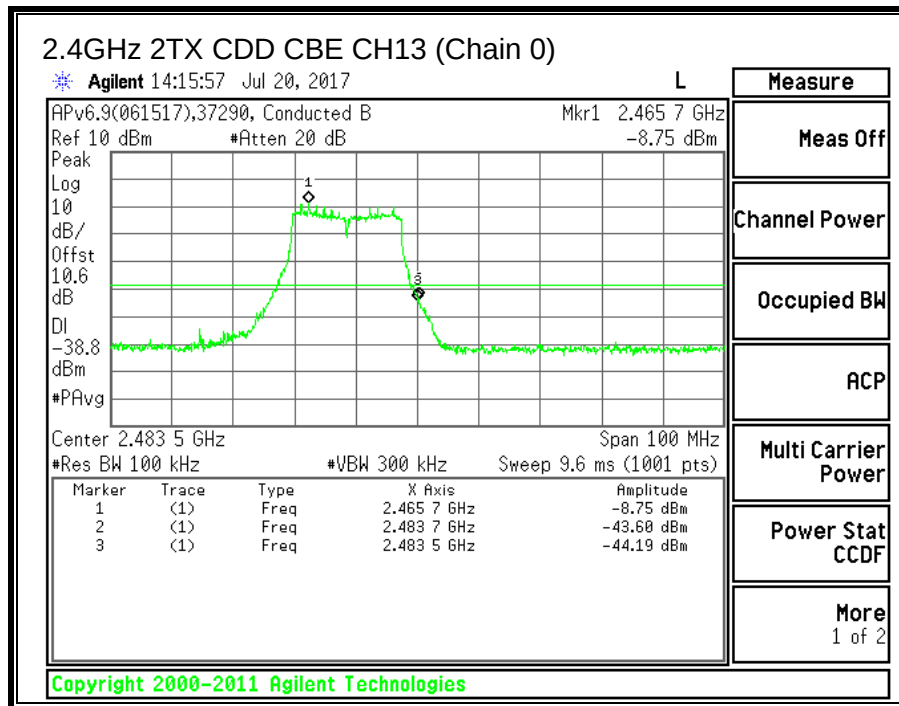


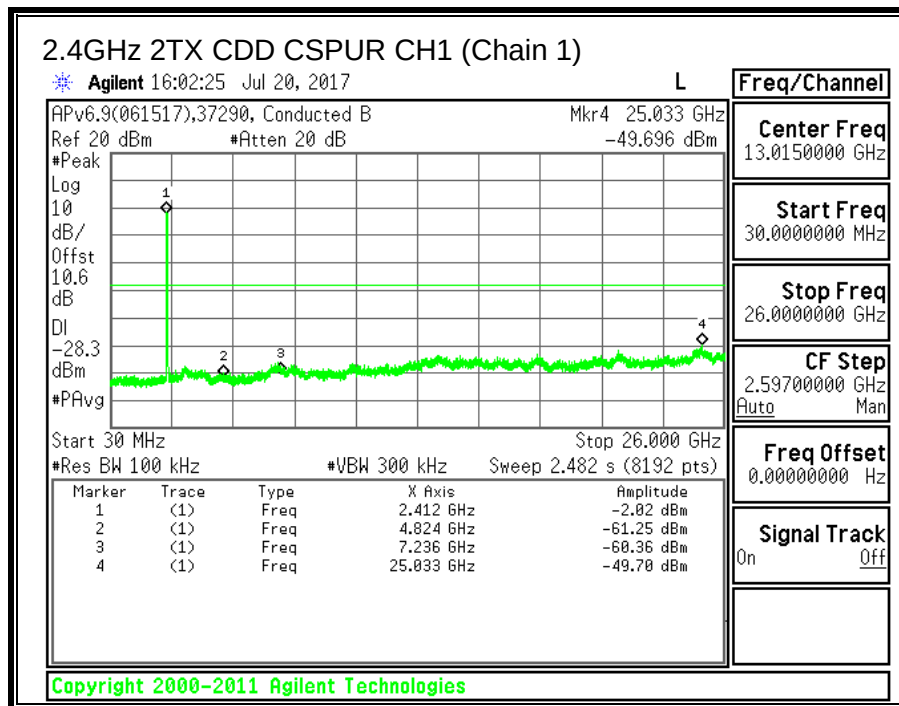
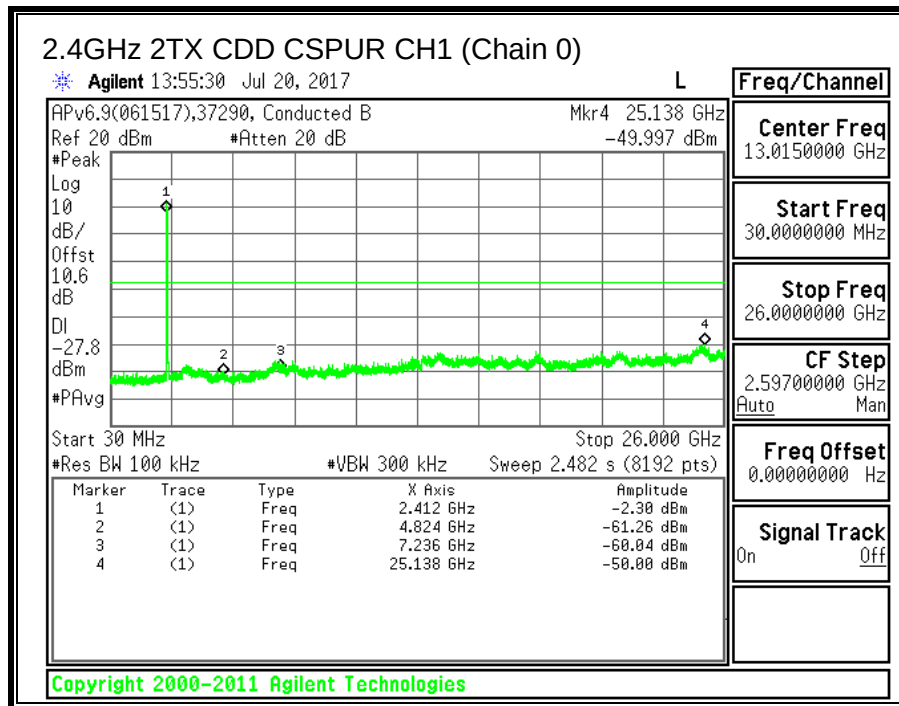


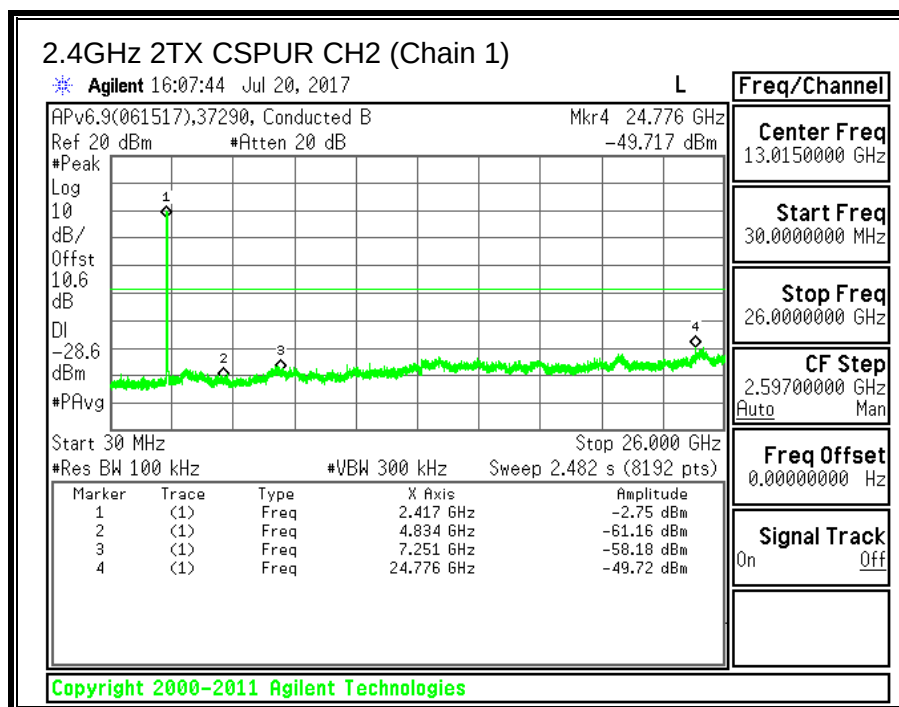
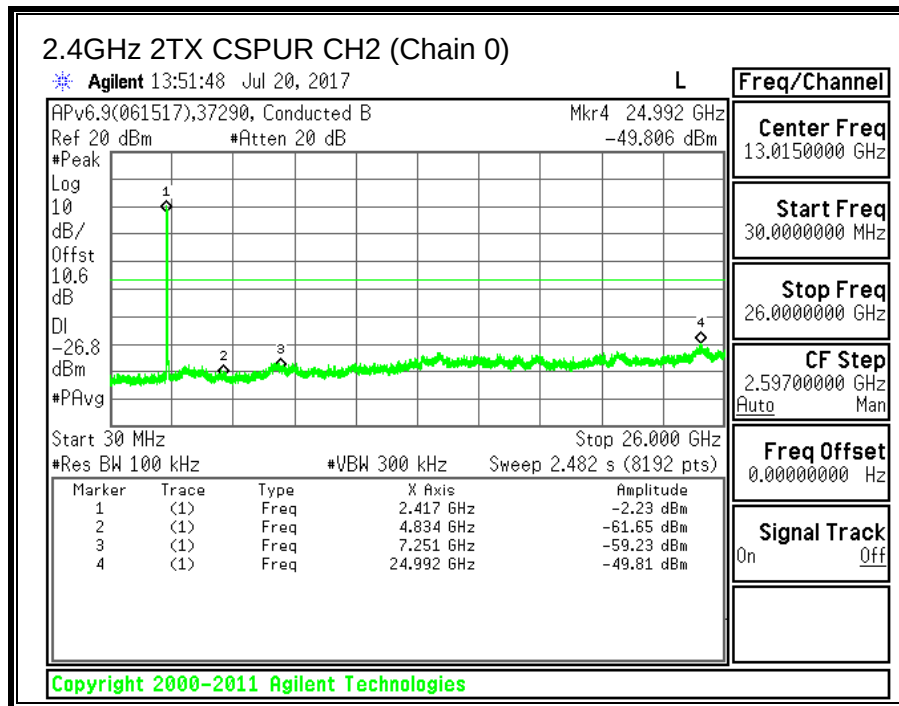


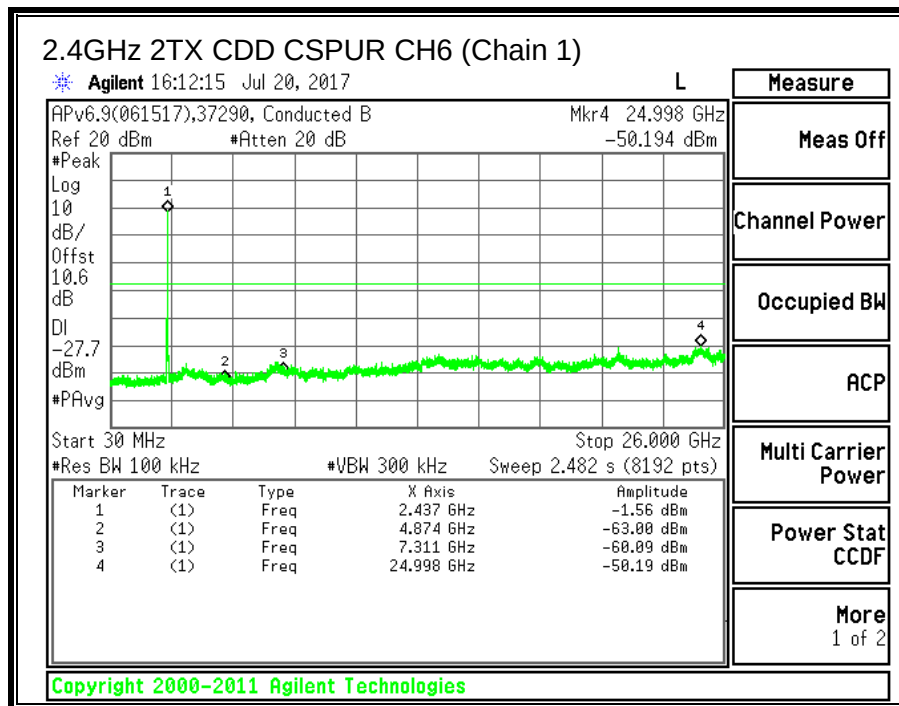
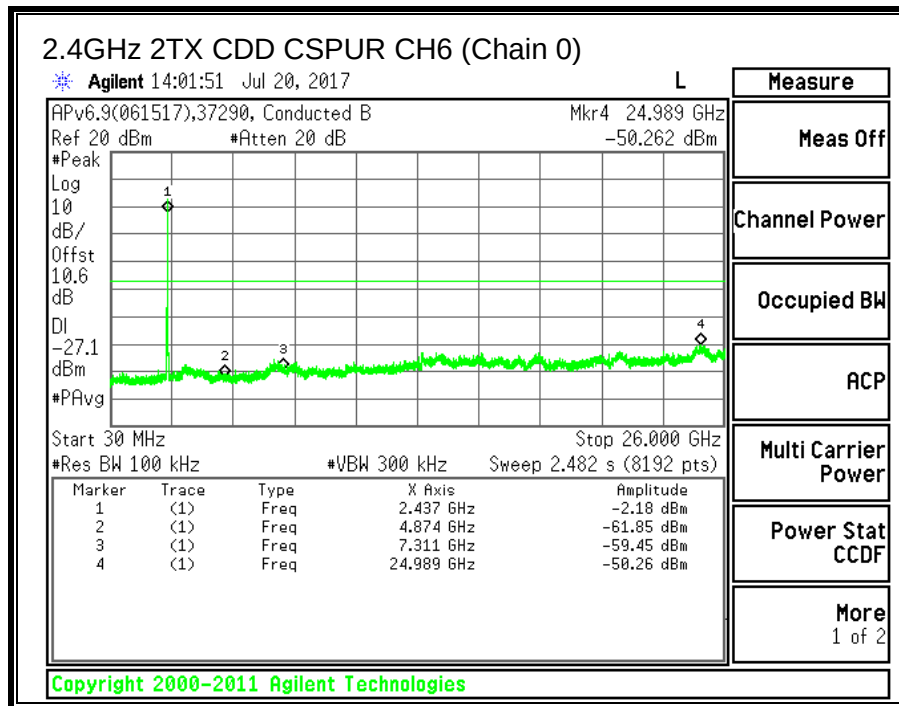


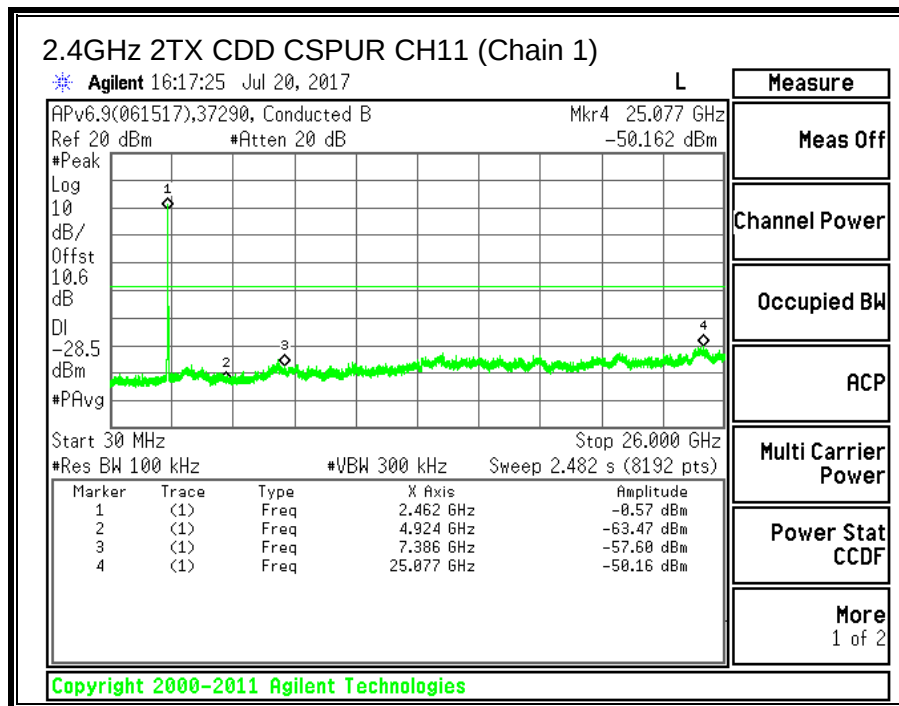
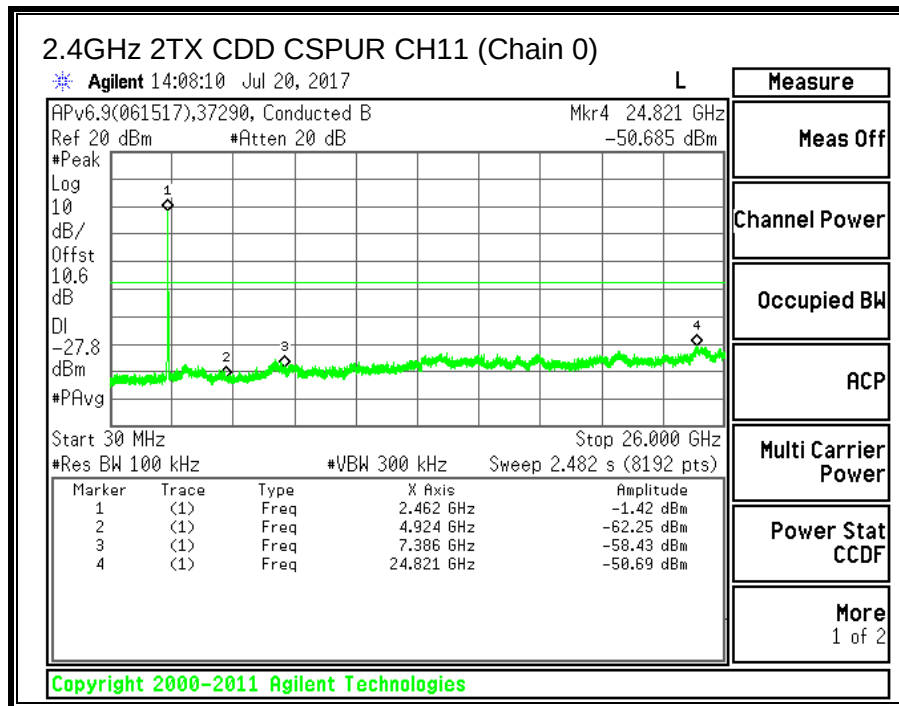


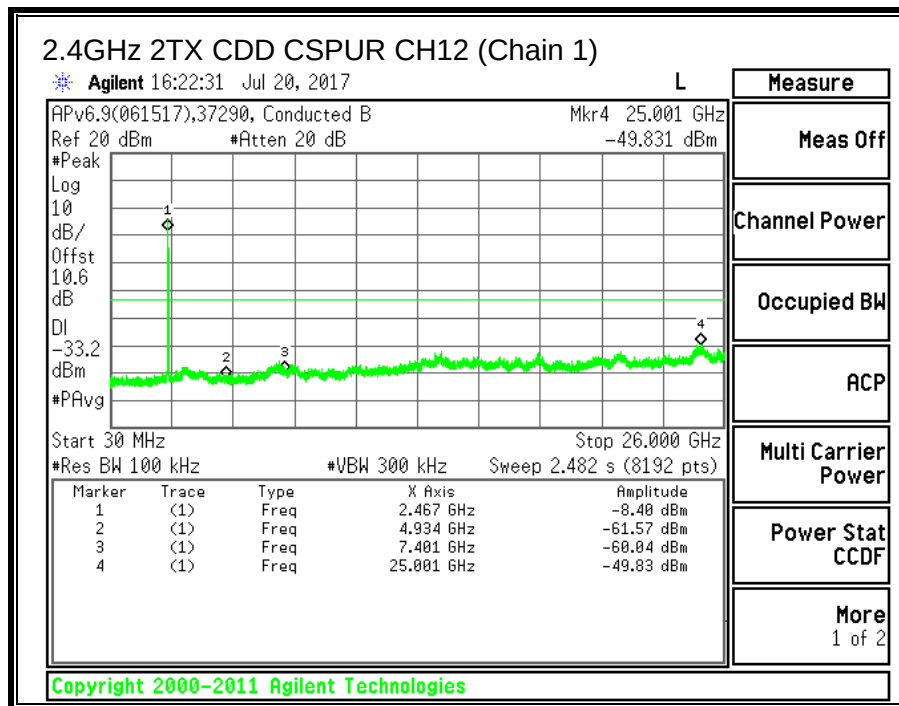
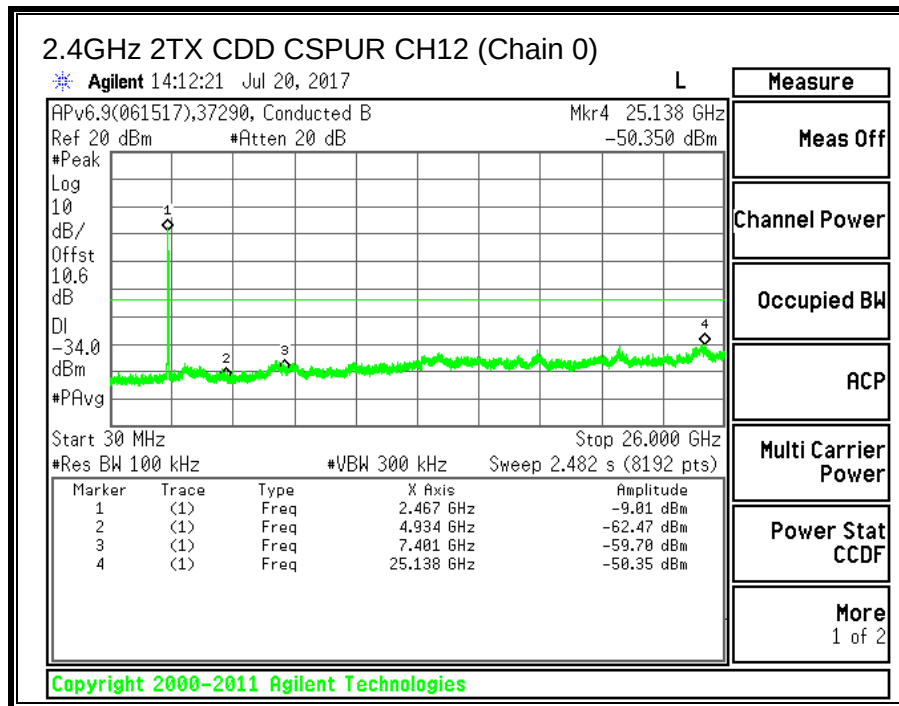


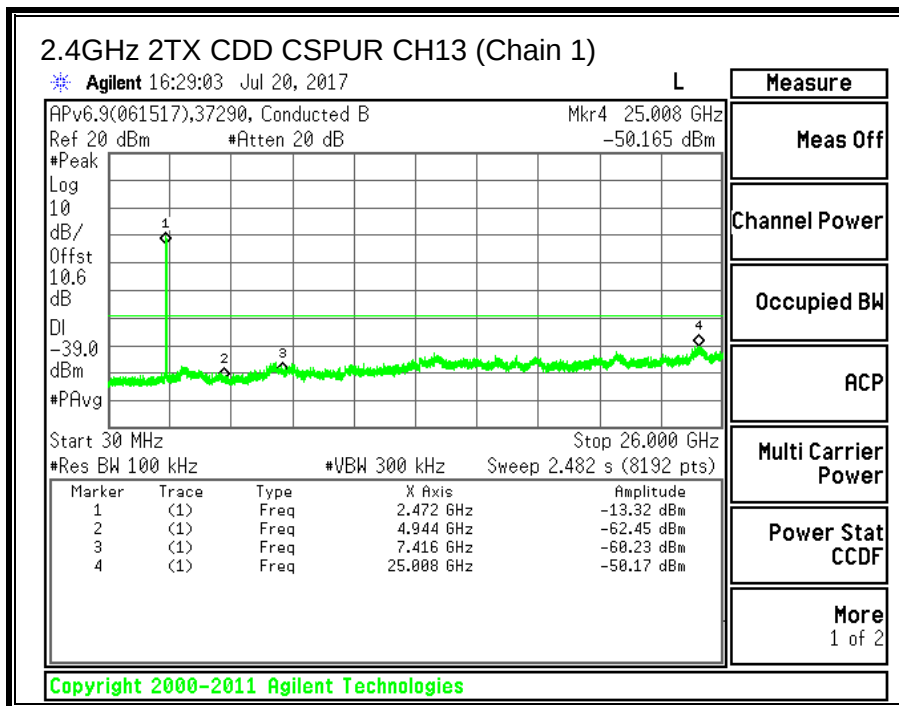
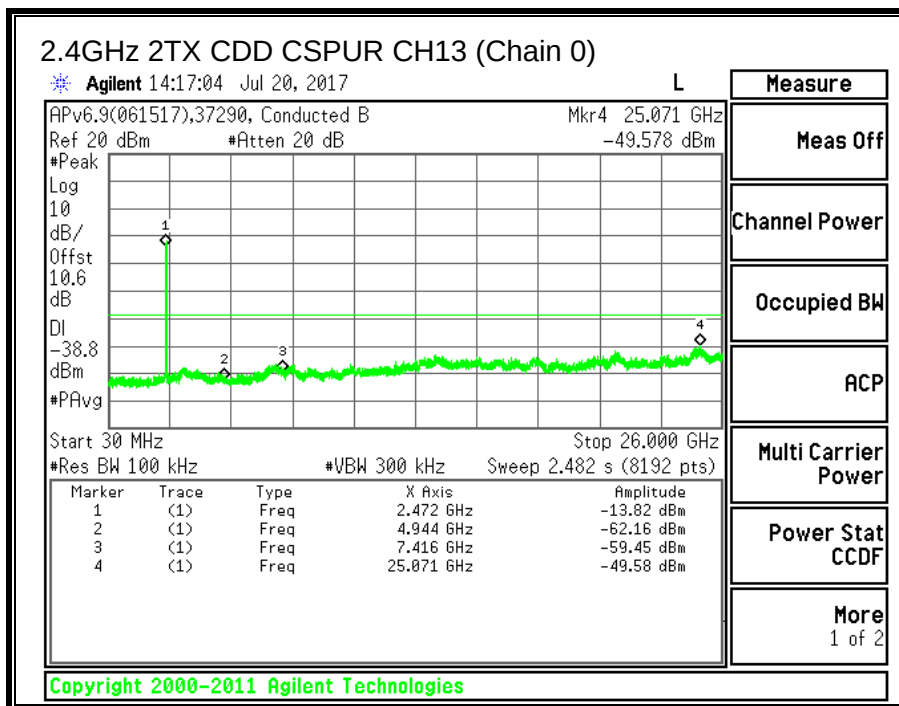












10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

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 120 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements for the 30-1000 MHz range, 9 kHz for peak detection measurements or 9 kHz for quasi-peak detection measurements for the 0.15-30 MHz range and 200 Hz for peak detection measurements or 200 Hz for quasi-peak detection measurements for the 9 to 150 kHz range. 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 add duty cycle factor for average measurements.

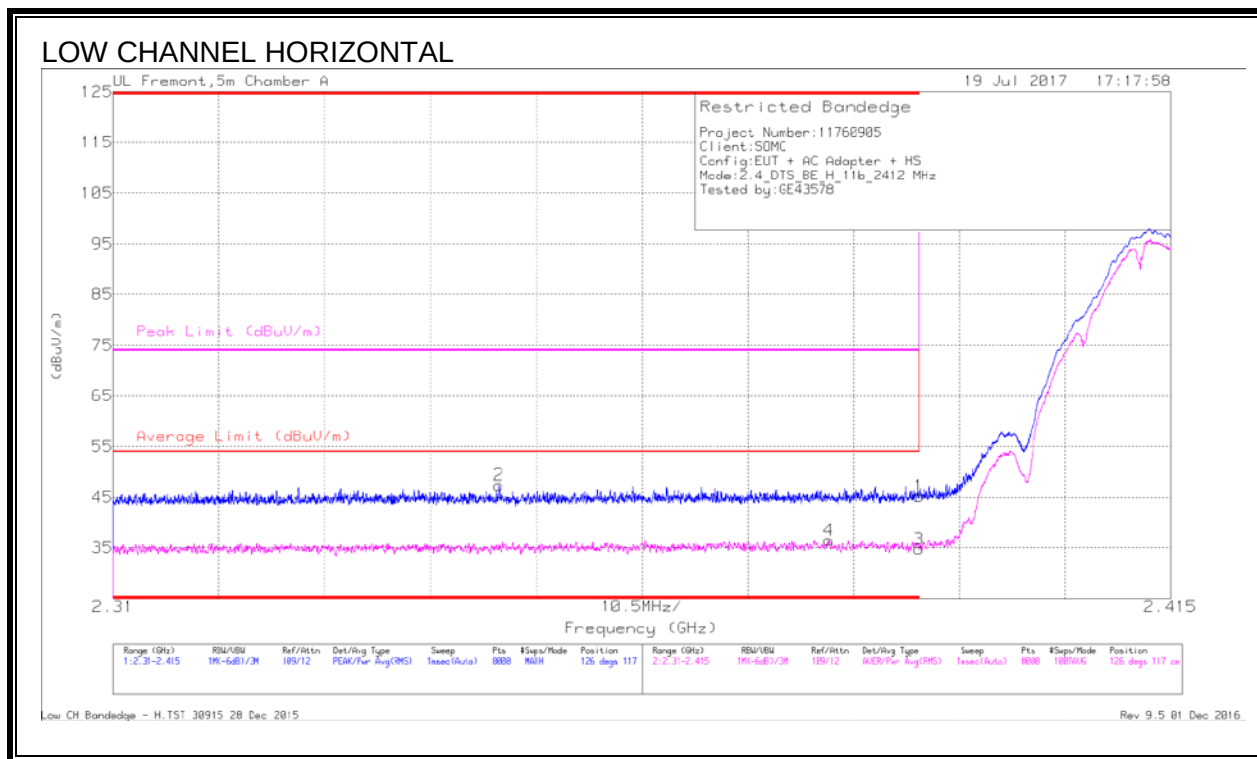
The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1 11b MIMO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)



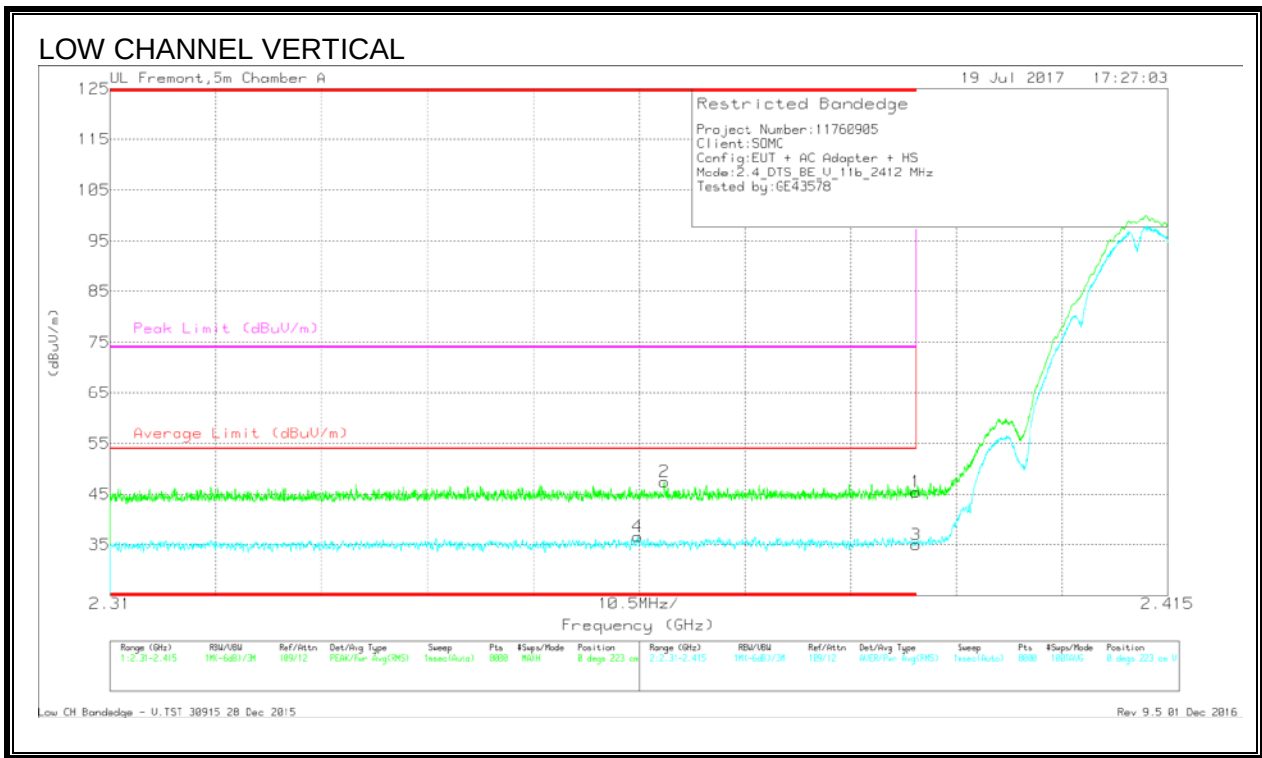
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T62 (dB/m)	Amp/Cb/Flt/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	36.62	Pk	31.8	-23.2	0	45.22	-	-	74	-28.78	126	117	H
2	* 2.348	38.97	Pk	31.6	-23.2	0	47.37	-	-	74	-26.63	126	117	H
3	* 2.39	26.18	RMS	31.8	-23.2	0	34.78	54	-19.22	-	-	126	117	H
4	* 2.381	28.02	RMS	31.7	-23.2	0	36.52	54	-17.48	-	-	126	117	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

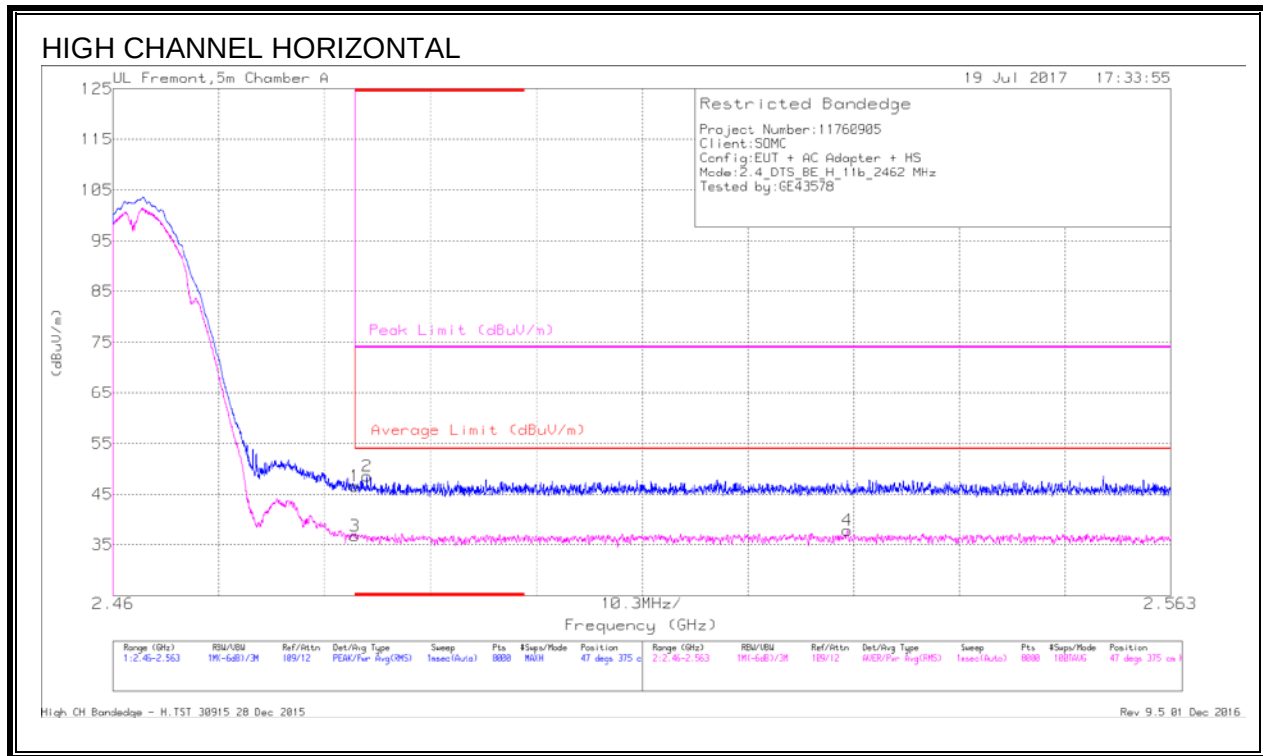
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TB62 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	36.83	Pk	31.8	-23.2	0	45.43	-	-	74	-28.57	0	223	V
2	* 2.365	38.99	Pk	31.6	-23.2	0	47.39	-	-	74	-26.61	0	223	V
3	* 2.39	26.41	RMS	31.8	-23.2	0	35.01	54	-18.99	-	-	0	223	V
4	* 2.362	28.26	RMS	31.6	-23.2	0	36.66	54	-17.34	-	-	0	223	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEGE (HIGH CHANNEL, CH 11)



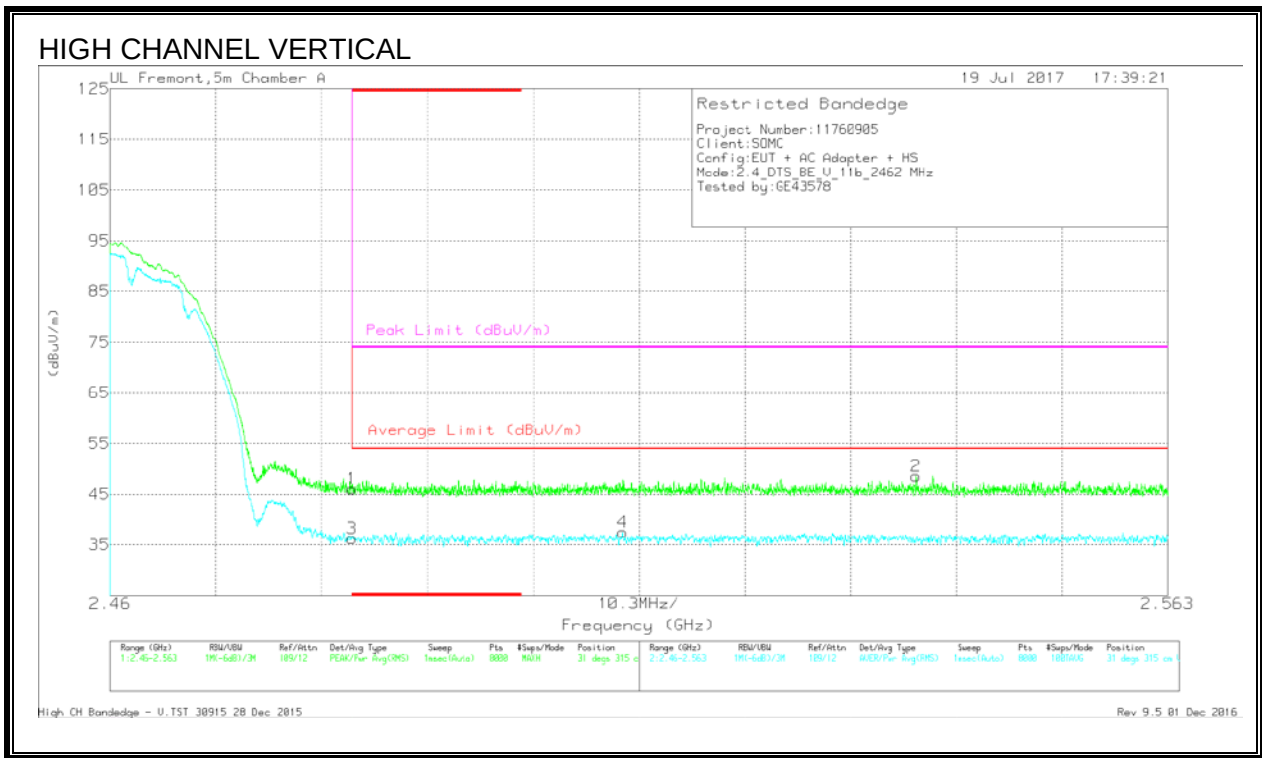
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T62 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	37.4	Pk	32.3	-23.1	0	46.6	-	-	74	-27.4	47	375	H
2	* 2.485	39.31	Pk	32.3	-23.1	0	48.51	-	-	74	-25.49	47	375	H
3	* 2.484	27.55	RMS	32.3	-23.1	0	36.75	54	-17.25	-	-	47	375	H
4	2.532	28.45	RMS	32.4	-23	0	37.85	54	-16.15	-	-	47	375	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

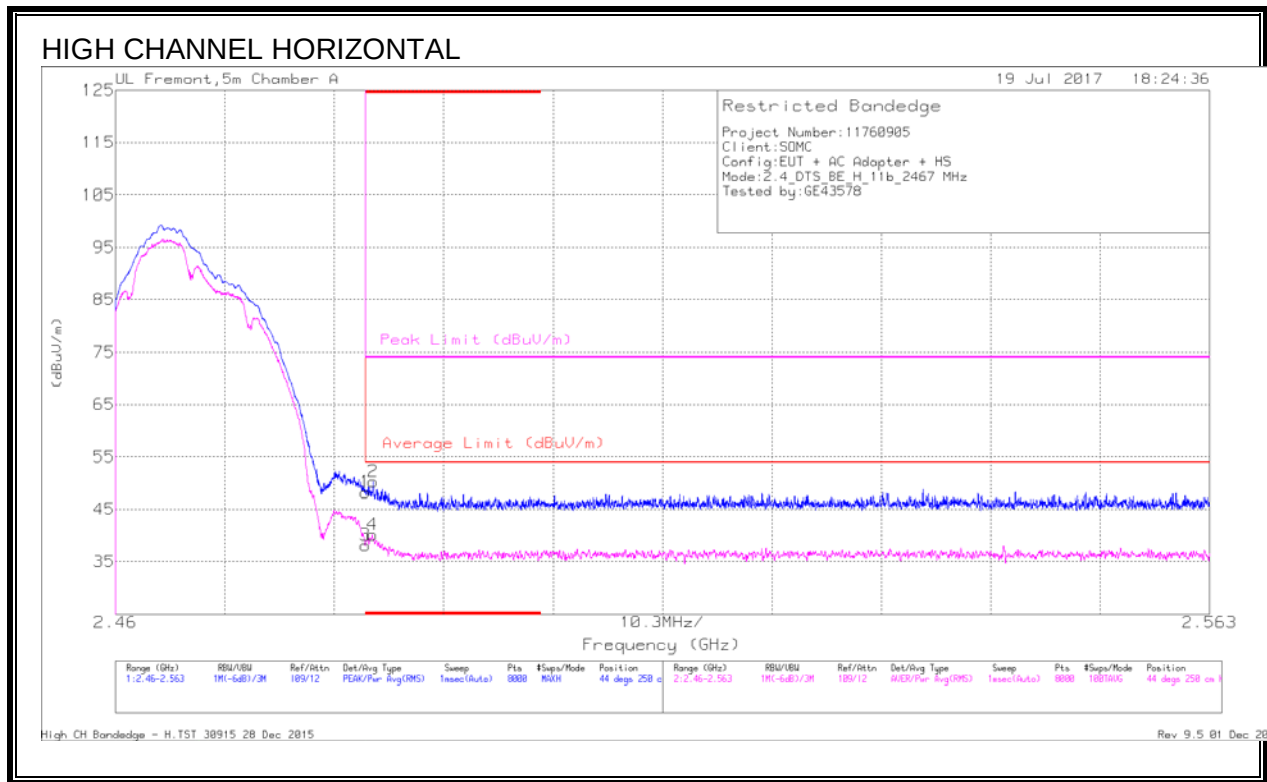
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1	* 2.484	36.86	Pk	32.3	-23.1	0	46.06	-	-	74	-27.94	31	315	V
3	* 2.484	27.06	RMS	32.3	-23.1	0	36.26	54	-17.74	-	-	31	315	V
4	2.51	28.2	RMS	32.4	-23.1	0	37.5	54	-16.5	-	-	31	315	V
2	2.538	39.21	Pk	32.4	-23	0	48.61	-	-	74	-25.39	31	315	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEGE (HIGH CHANNEL, CH 12)



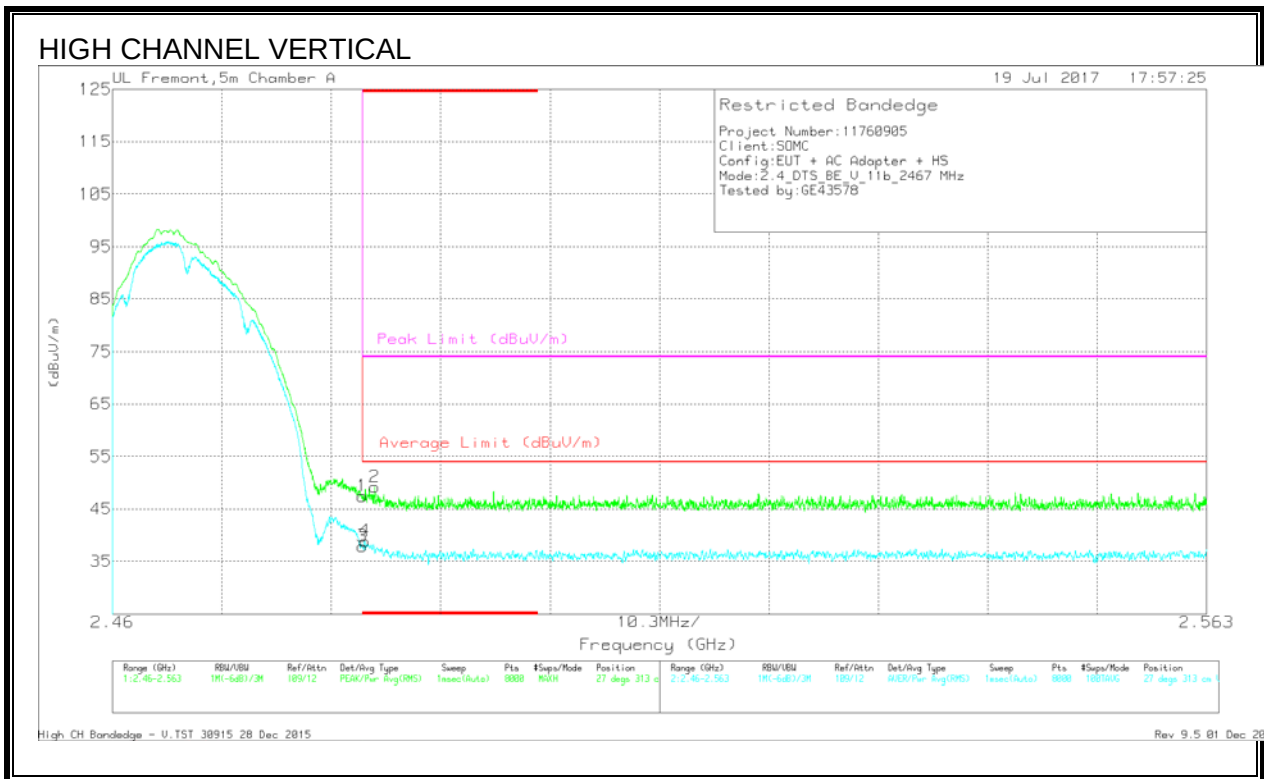
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TBE2 (dB/m)	Amp/Chl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.04	Pk	32.3	-23.1	0	48.24	-	-	74	-25.76	44	250	H
2	* 2.484	41.13	Pk	32.3	-23.1	0	50.33	-	-	74	-23.67	44	250	H
3	* 2.484	28.87	RMS	32.3	-23.1	0	38.07	54	-15.93	-	-	44	250	H
4	* 2.484	30.86	RMS	32.3	-23.1	0	40.06	54	-13.94	-	-	44	250	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

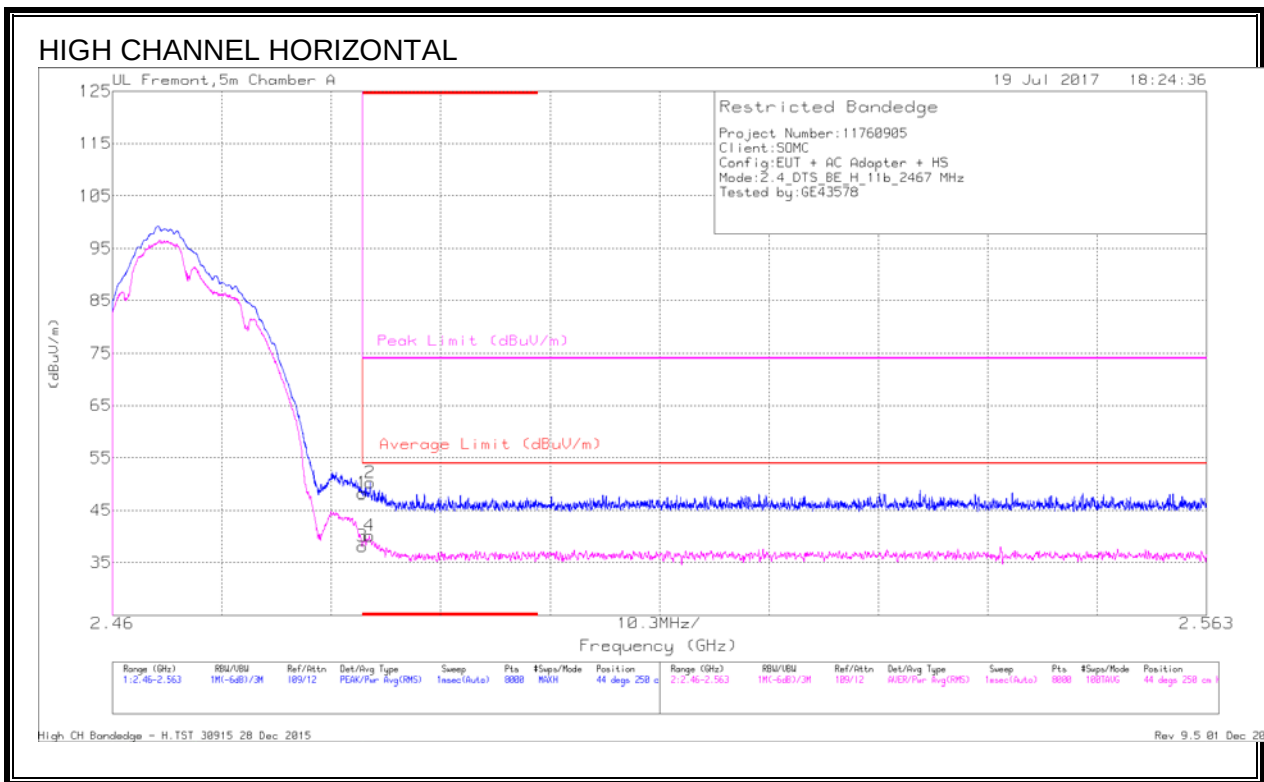
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1	* 2.484	38.27	Pk	32.3	-23.1	0	47.47	-	-	74	-26.53	27	313	V
3	* 2.484	28.65	RMS	32.3	-23.1	0	37.85	54	-16.15	-	-	27	313	V
4	* 2.484	29.68	RMS	32.3	-23.1	0	38.88	54	-15.12	-	-	27	313	V
2	* 2.485	39.99	Pk	32.3	-23.1	0	49.19	-	-	74	-24.81	27	313	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



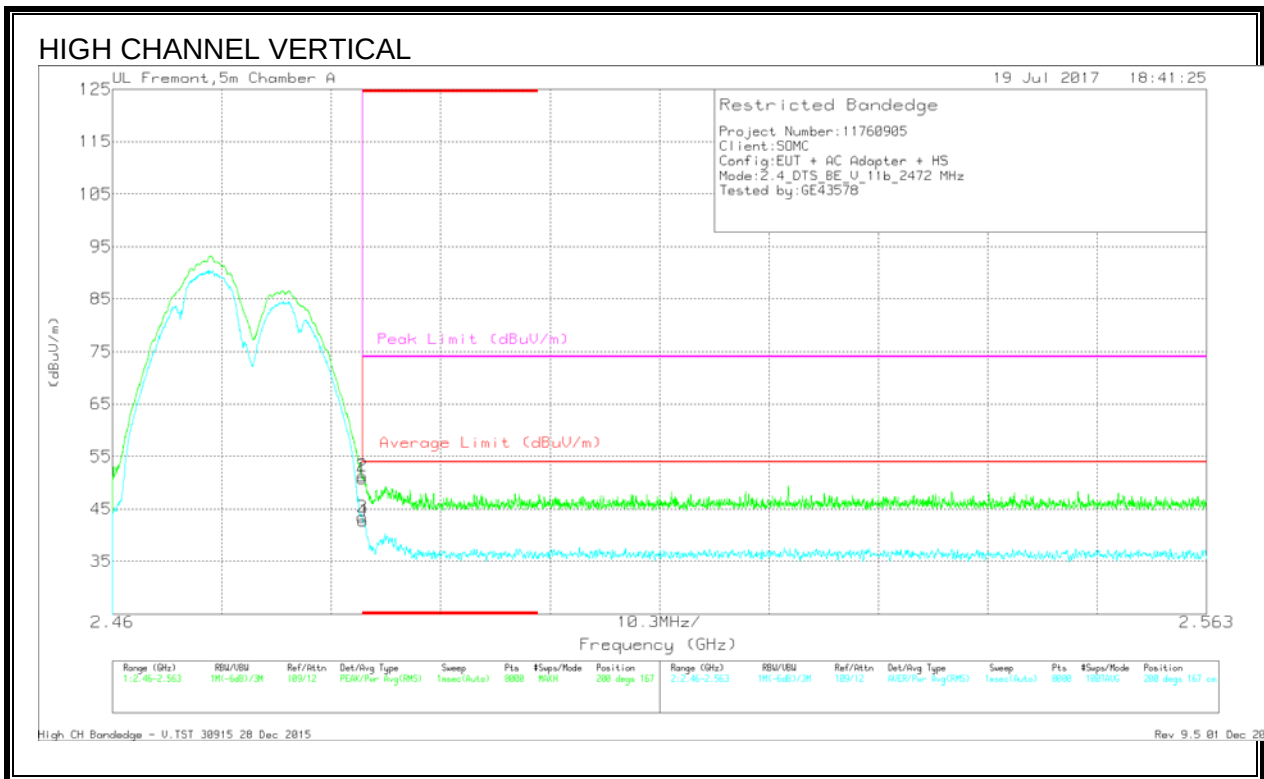
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/FRR/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	39.04	Pk	32.3	-23.1	0	48.24	-	-	74	-25.76	44	250	H
2	* 2.484	41.13	Pk	32.3	-23.1	0	50.33	-	-	74	-23.67	44	250	H
3	* 2.484	28.87	RMS	32.3	-23.1	0	38.07	54	-15.93	-	-	44	250	H
4	* 2.484	30.86	RMS	32.3	-23.1	0	40.06	54	-13.94	-	-	44	250	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

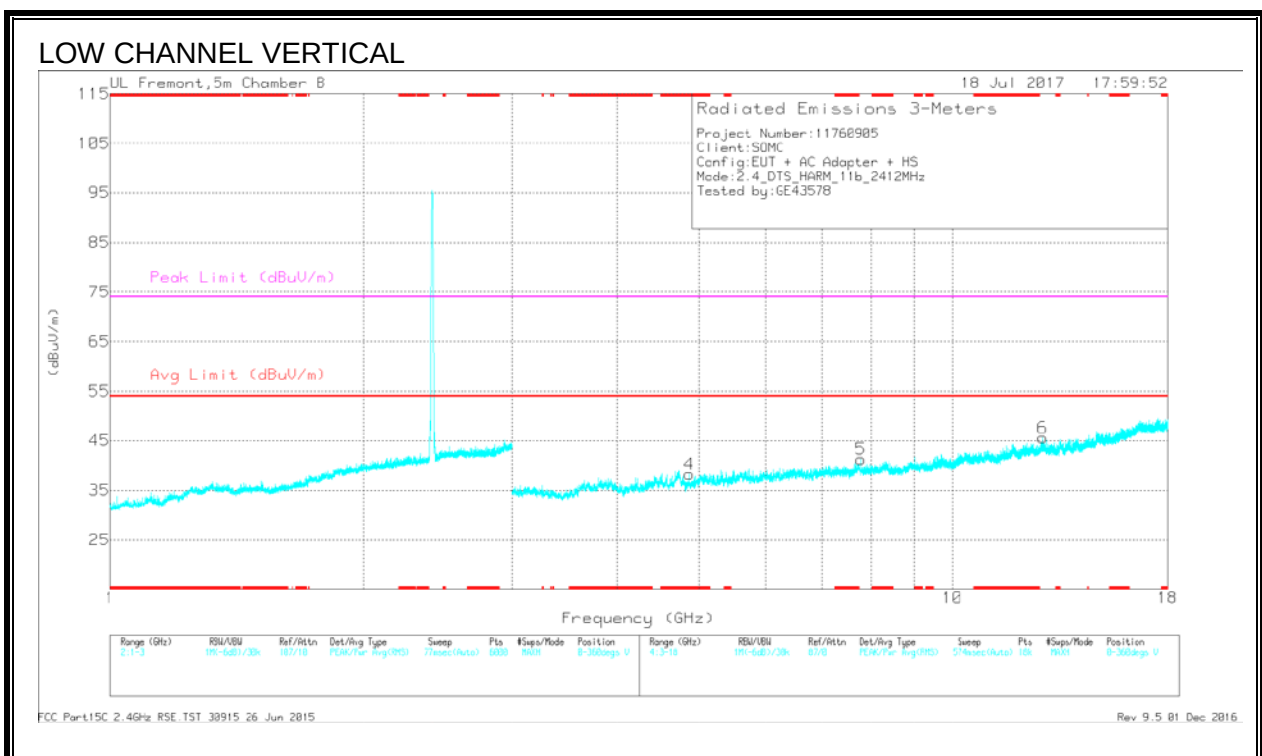
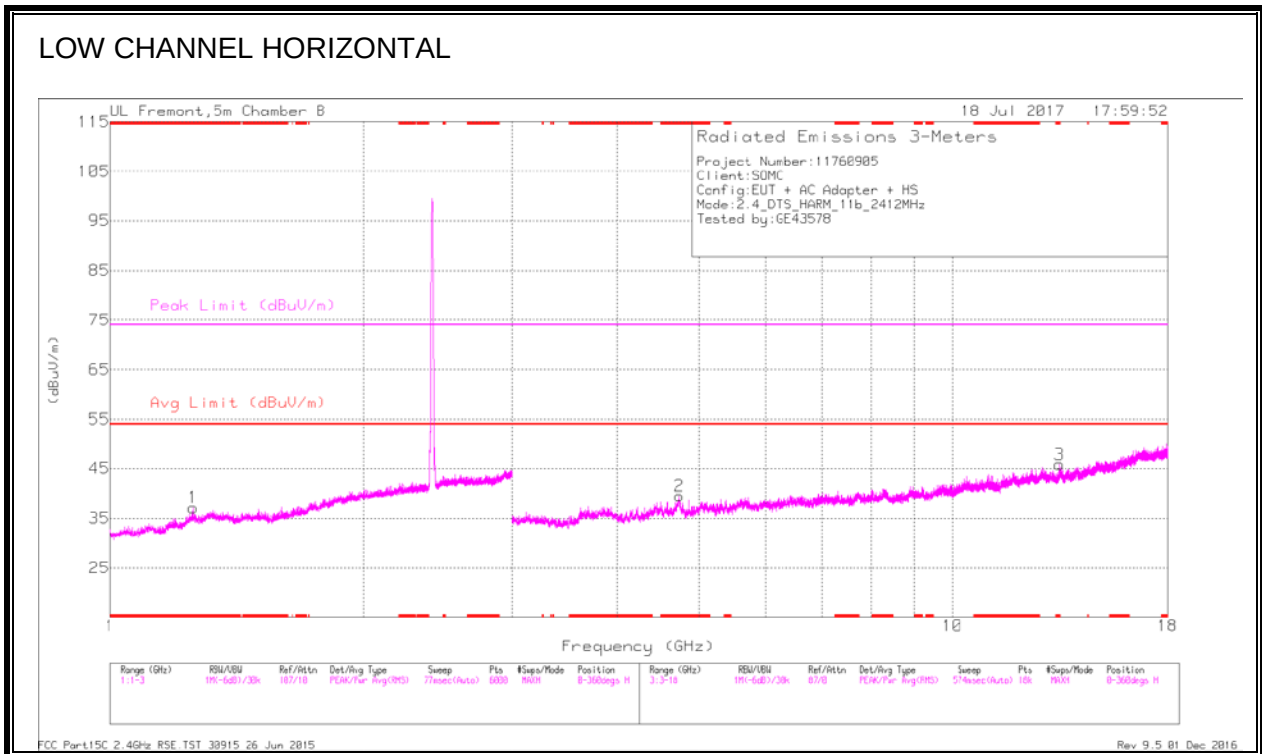
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1	* 2.484	41.6	Pk	32.3	-23.1	0	50.8	-	-	74	-23.2	200	167	V
2	* 2.484	42.09	Pk	32.3	-23.1	0	51.29	-	-	74	-22.71	200	167	V
3	* 2.484	34.21	RMS	32.3	-23.1	0	43.41	54	-10.59	-	-	200	167	V
4	* 2.484	33.51	RMS	32.3	-23.1	0	42.71	54	-11.29	-	-	200	167	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, CH 1)



Radiated Emissions

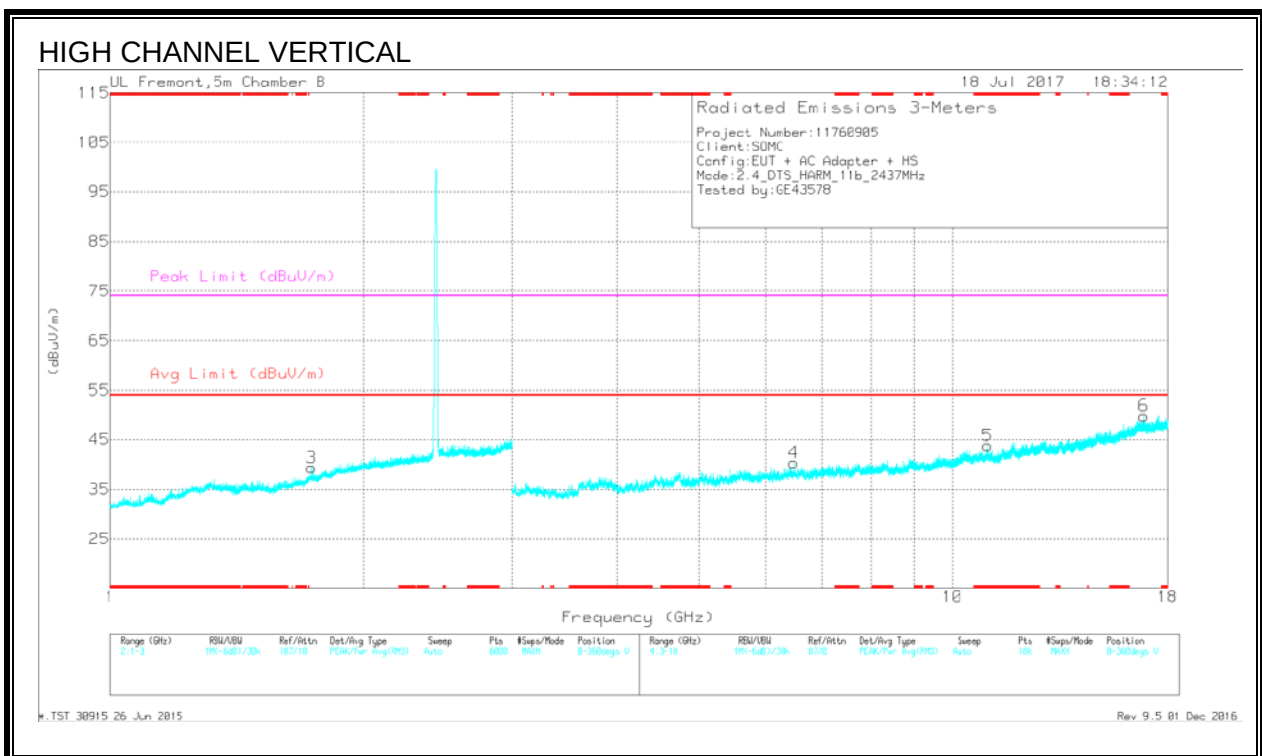
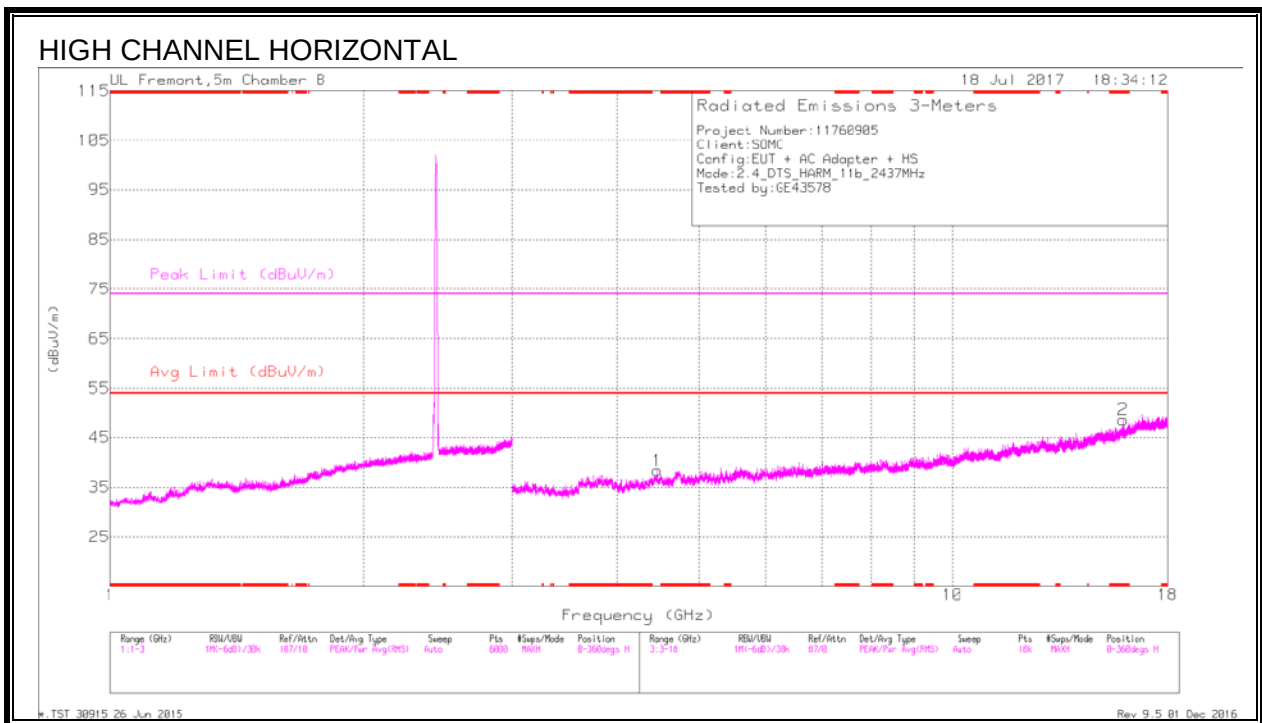
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.254	35.93	PK2	28.8	-21.9	0	42.83	-	-	74	-31.17	358	101	H
* 1.253	23.53	MAv1	28.8	-22	0	30.33	54	-23.67	-	-	358	101	H
* 4.741	39.62	PK2	34.2	-28.3	0	45.52	-	-	74	-28.48	168	101	H
* 4.741	27.89	MAv1	34.2	-28.3	0	33.79	54	-20.21	-	-	168	101	H
* 13.398	33.34	PK2	39.3	-21.3	0	51.34	-	-	74	-22.66	337	101	H
* 13.398	21.23	MAv1	39.3	-21.3	0	39.23	54	-14.77	-	-	337	101	H
* 4.868	39.11	PK2	34.4	-30	0	43.51	-	-	74	-30.49	135	200	V
* 4.868	27.27	MAv1	34.4	-30	0	31.67	54	-22.33	-	-	135	200	V
7.789	35.73	PK2	36	-26.1	0	45.63	-	-	-	-	9	200	V
12.8	32.7	PK2	39.4	-21.6	0	50.5	-	-	-	-	71	104	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, CH 6)



Radiated Emissions

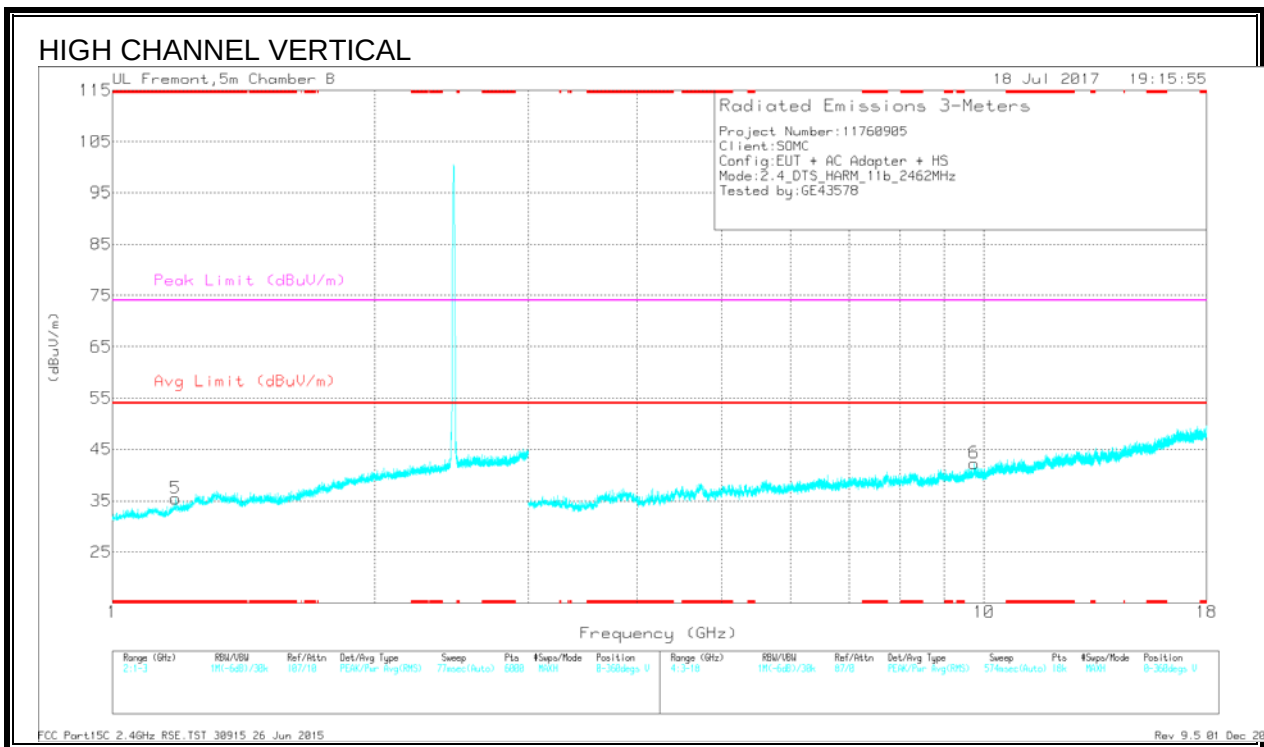
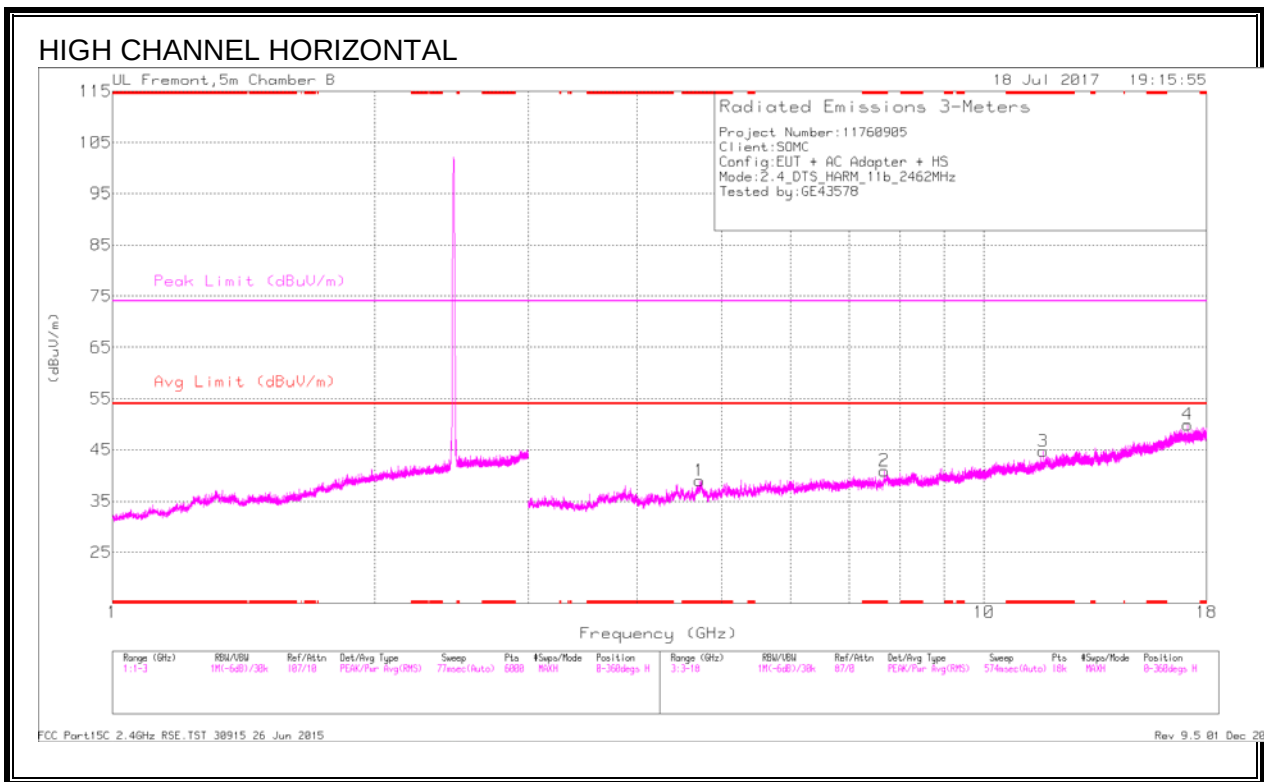
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 15.941	31.69	PK2	41.1	-19.5	0	53.29	-	-	74	-20.71	273	101	H
* 15.94	19.89	MAv1	41.1	-19.5	0	41.49	54	-12.51	-	-	273	101	H
* 11.002	33.89	PK2	37.7	-21.9	0	49.69	-	-	74	-24.31	57	199	V
* 11.003	21.52	MAv1	37.7	-21.9	0	37.32	54	-16.68	-	-	57	199	V
1.734	35.25	PK2	29.5	-20.9	0	43.85	-	-	-	-	40	101	V
4.464	38.06	PK2	33.8	-28.6	0	43.26	-	-	-	-	173	101	H
6.482	37.56	PK2	35.7	-28	0	45.26	-	-	-	-	2	199	V
16.885	31.23	PK2	42.3	-18.9	0	54.63	-	-	-	-	14	199	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, CH 11)



Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/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
* 1.182	35.52	PK2	27.8	-22.4	0	40.92	-	-	74	-33.08	260	199	V
* 1.181	23.59	MAv1	27.8	-22.4	0	28.99	54	-25.01	-	-	260	199	V
* 4.719	39.69	PK2	34.2	-28.8	0	45.09	-	-	74	-28.91	131	104	H
* 4.719	27.71	MAv1	34.2	-28.8	0	33.11	54	-20.89	-	-	131	104	H
* 7.688	36.59	PK2	36	-26	0	46.59	-	-	74	-27.41	302	104	H
* 7.689	24.63	MAv1	36	-26	0	34.63	54	-19.37	-	-	302	104	H
* 11.691	34.06	PK2	38.4	-22.8	0	49.66	-	-	74	-24.34	99	104	H
* 11.693	21.77	MAv1	38.4	-22.7	0	37.47	54	-16.53	-	-	99	104	H
9.743	34.36	PK2	36.9	-23.4	0	47.86	-	-	-	-	309	104	V
17.11	31.94	PK2	41.9	-19.5	0	54.34	-	-	-	-	79	104	H

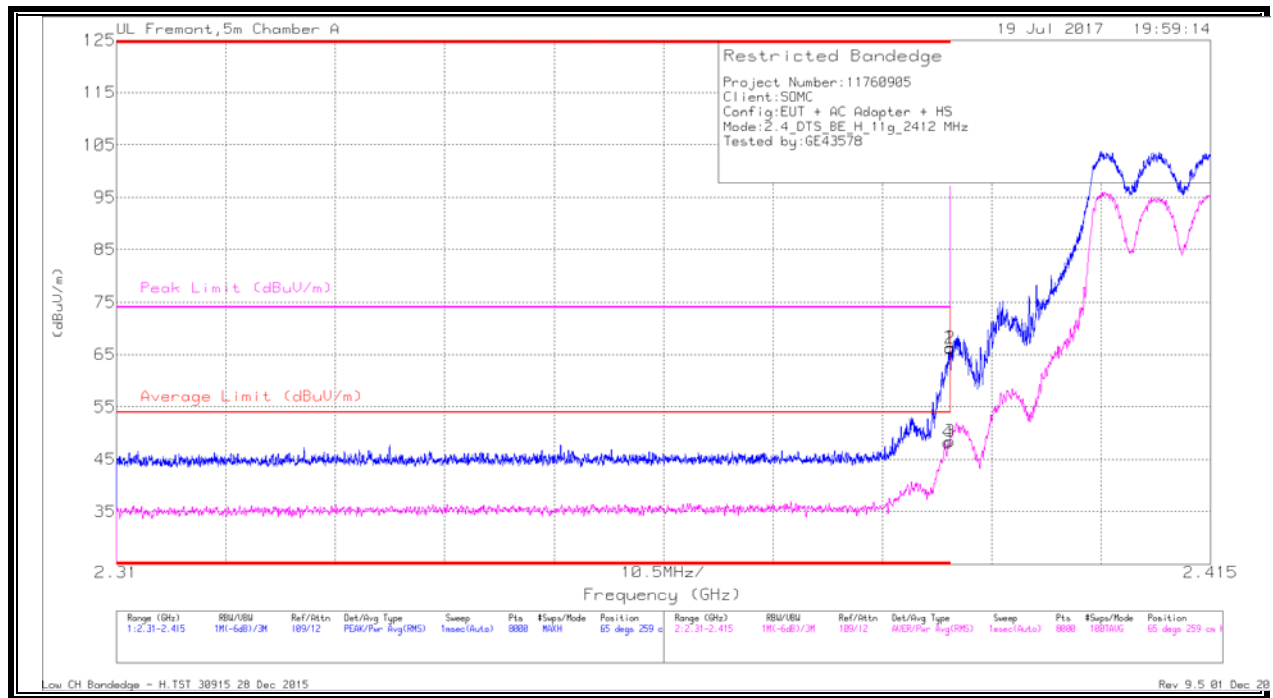
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.2 11g MIMO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)



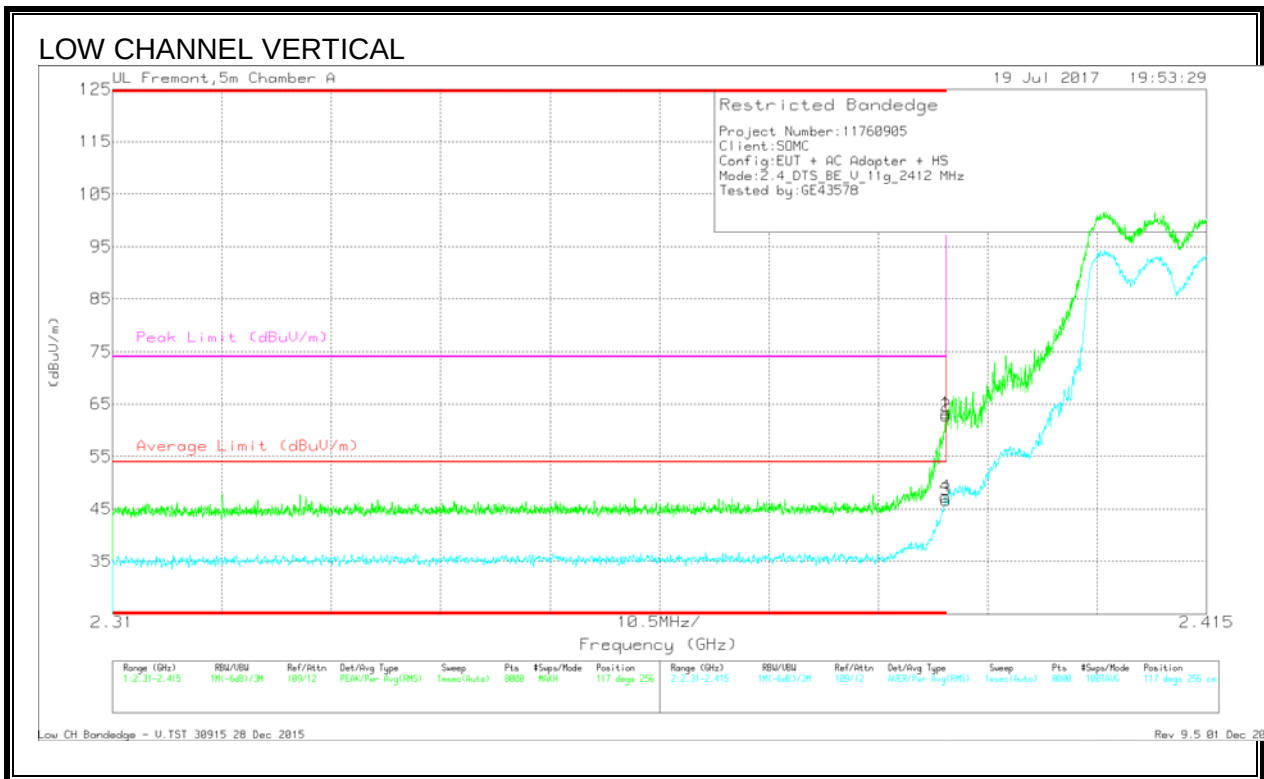
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T662 (dB/m)	Amp/Ch/Plr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.74	Pk	31.8	-23.2	0	66.34	-	-	74	-7.66	65	259	H
2	* 2.39	57.55	Pk	31.8	-23.2	0	66.15	-	-	74	-7.85	65	259	H
3	* 2.39	39.54	RMS	31.8	-23.2	.24	48.38	54	-5.62	-	-	65	259	H
4	* 2.39	39.34	RMS	31.8	-23.2	.24	48.18	54	-5.82	-	-	65	259	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

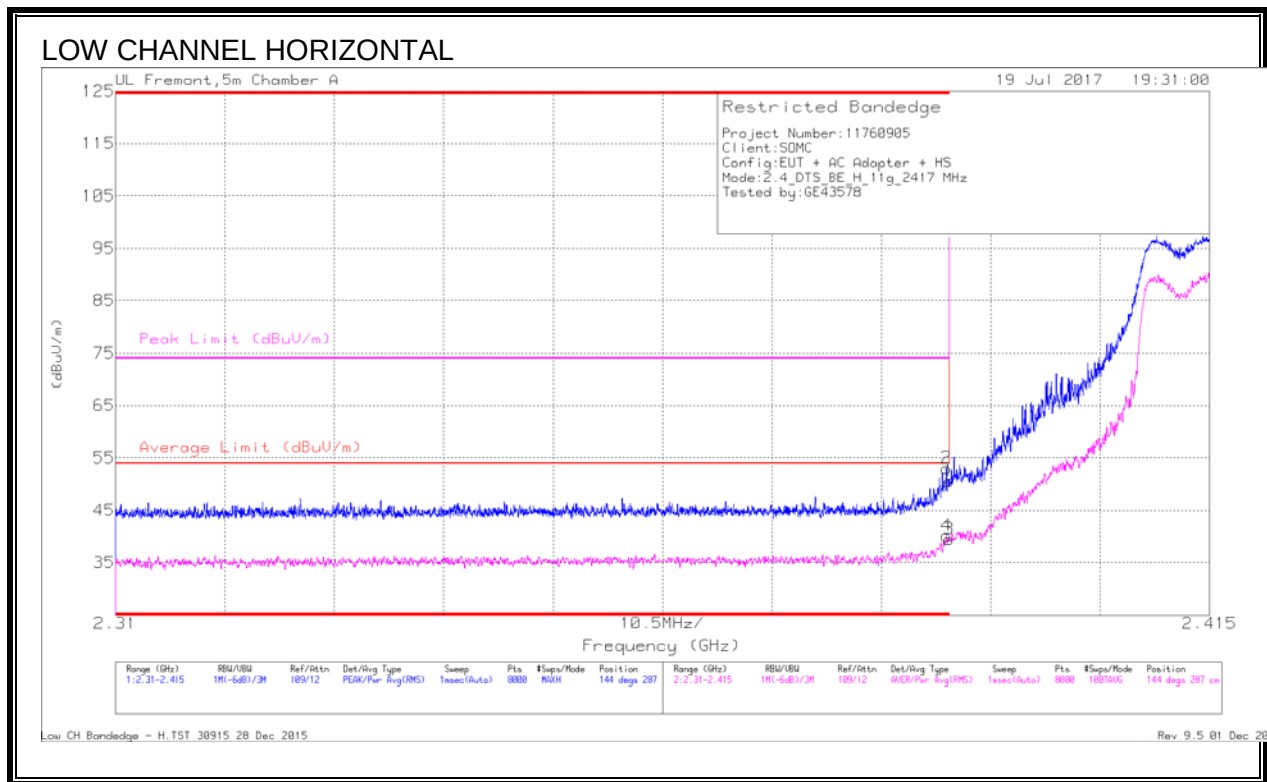
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	54.58	Pk	31.8	-23.2	0	63.18	-	-	74	-10.82	117	256	V
2	* 2.39	54.06	Pk	31.8	-23.2	0	62.66	-	-	74	-11.34	117	256	V
3	* 2.39	37.82	RMS	31.8	-23.2	.24	46.66	54	-7.34	-	-	117	256	V
4	* 2.39	38.5	RMS	31.8	-23.2	.24	47.34	54	-6.66	-	-	117	256	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 2)



Trace Markers

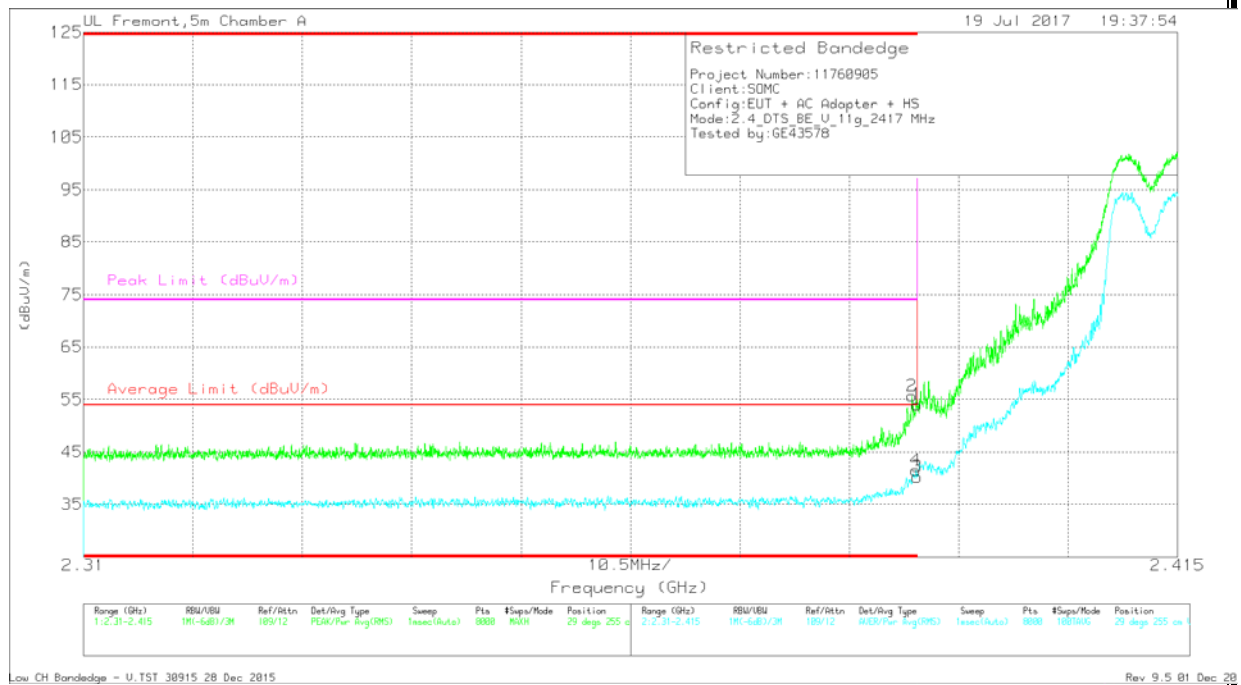
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	41.92	Pk	31.8	-23.2	0	50.52	-	-	74	-23.48	144	287	H
2	* 2.39	44.43	Pk	31.8	-23.2	0	53.03	-	-	74	-20.97	144	287	H
3	* 2.39	30.6	RMS	31.8	-23.2	.24	39.44	54	-14.56	-	-	144	287	H
4	* 2.39	31.27	RMS	31.8	-23.2	.24	40.11	54	-13.89	-	-	144	287	H

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL VERTICAL



Trace Markers

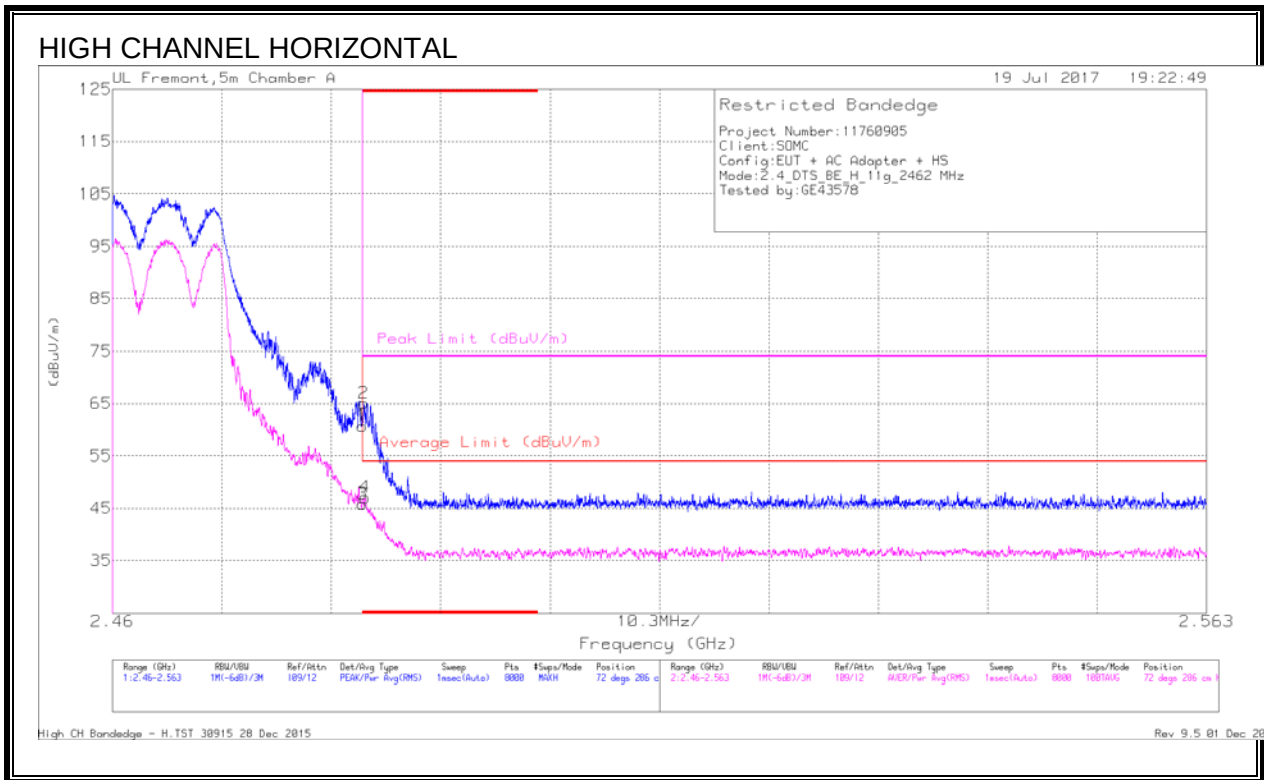
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.47	Pk	31.8	-23.2	0	54.07	-	-	74	-19.93	29	255	V
2	* 2.39	47.05	Pk	31.8	-23.2	0	55.65	-	-	74	-18.35	29	255	V
3	* 2.39	31.44	RMS	31.8	-23.2	.24	40.28	54	-13.72	-	-	29	255	V
4	* 2.39	32.6	RMS	31.8	-23.2	.24	41.44	54	-12.56	-	-	29	255	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEGE (HIGH CHANNEL, CH 11)



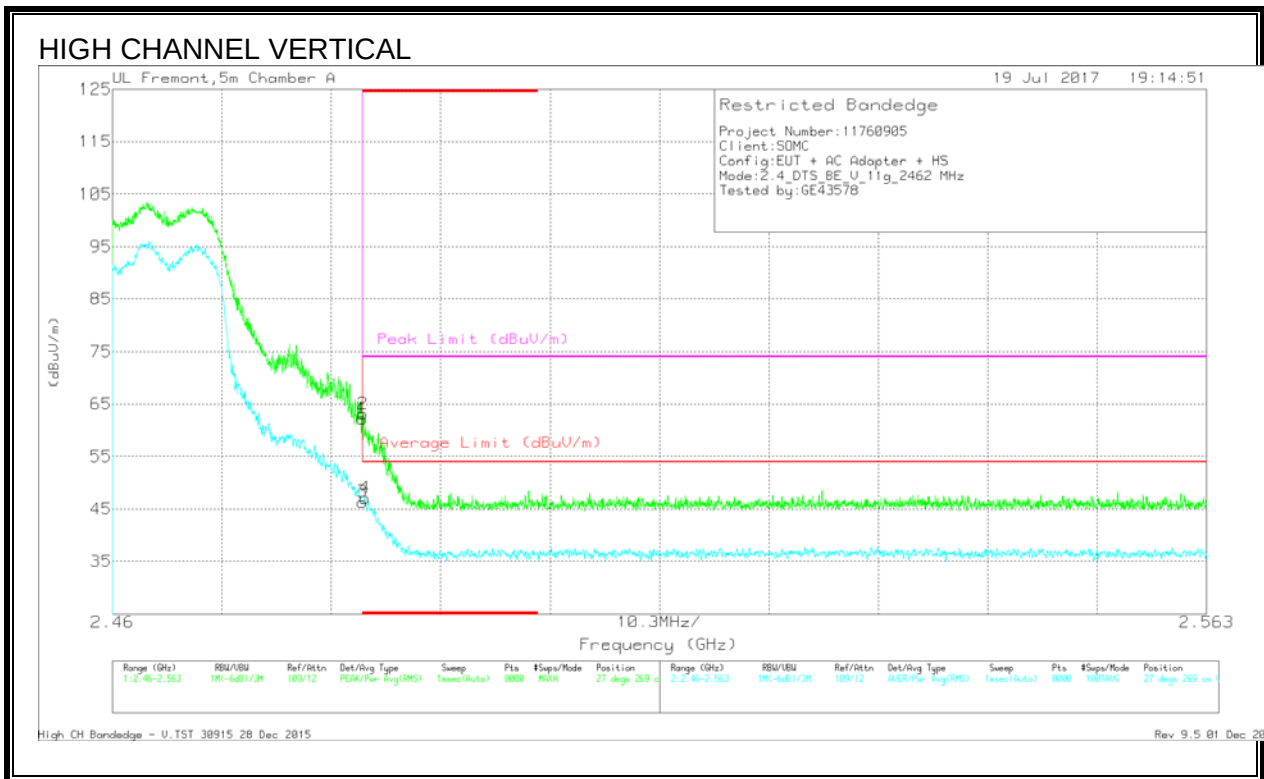
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TB62 (dB/m)	Amp/Cb/Pk/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	51.49	Pk	32.3	-23.1	0	60.69	-	-	74	-13.31	72	286	H
2	* 2.484	55.88	Pk	32.3	-23.1	0	65.08	-	-	74	-8.92	72	286	H
3	* 2.484	36.4	RMS	32.3	-23.1	.24	45.84	54	-8.16	-	-	72	286	H
4	* 2.484	37.6	RMS	32.3	-23.1	.24	47.04	54	-6.96	-	-	72	286	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

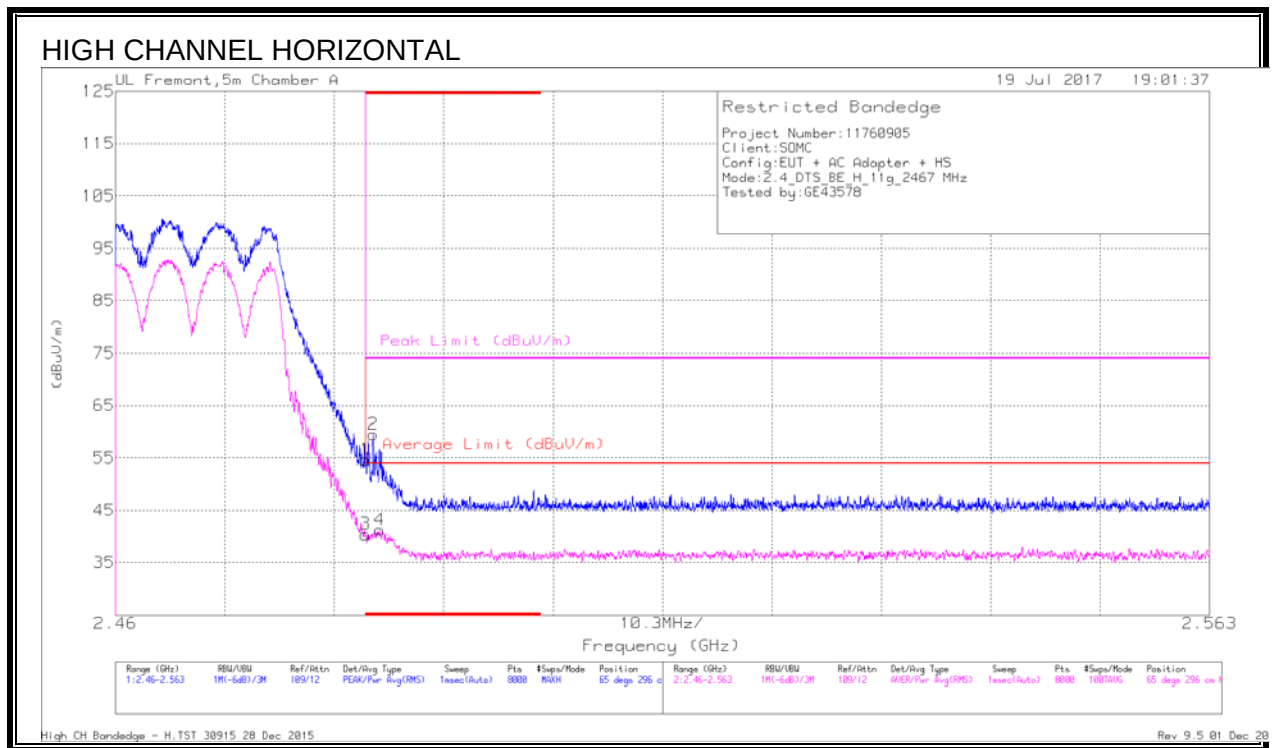
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	53.05	PK	32.3	-23.1	0	62.25	-	-	74	-11.75	27	269	V
2	* 2.484	53.88	PK	32.3	-23.1	0	63.08	-	-	74	-10.92	27	269	V
3	* 2.484	36.85	RMS	32.3	-23.1	.24	46.29	54	-7.71	-	-	27	269	V
4	* 2.484	37.58	RMS	32.3	-23.1	.24	47.02	54	-6.98	-	-	27	269	V

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

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



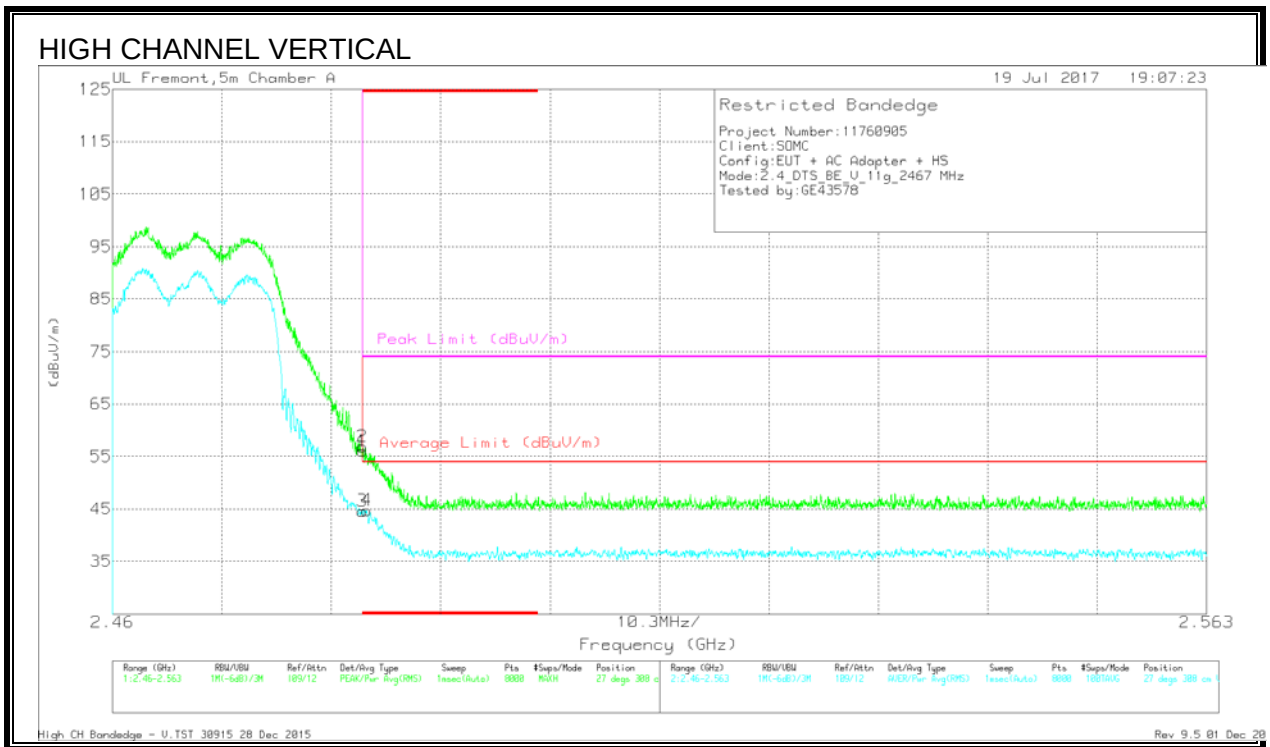
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.47	Pk	32.3	-23.1	0	54.67	-	-	74	-19.33	65	296	H
2	* 2.484	50.28	Pk	32.3	-23.1	0	59.48	-	-	74	-14.52	65	296	H
3	* 2.484	30.98	RMS	32.3	-23.1	.24	40.42	54	-13.58	-	-	65	296	H
4	* 2.485	31.78	RMS	32.3	-23.1	.24	41.22	54	-12.78	-	-	65	296	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

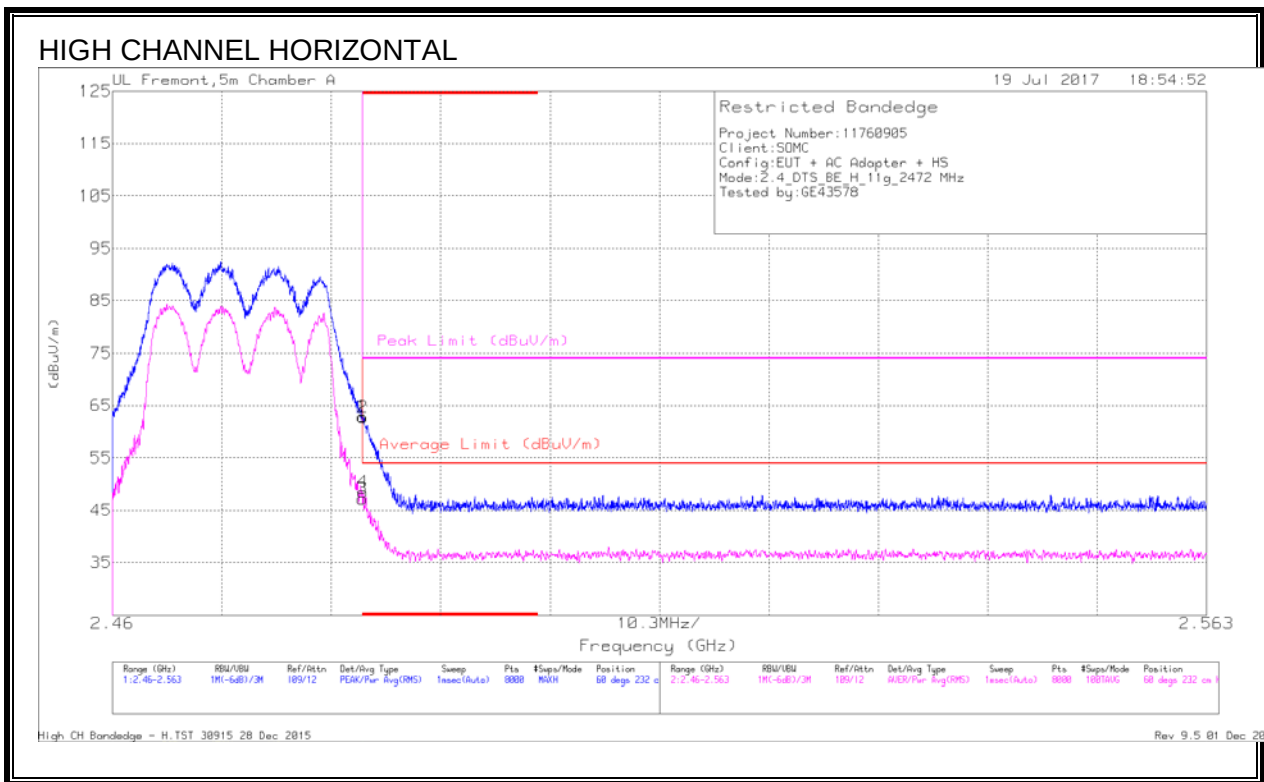
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1862 (dB/m)	Amp/Cb/Pr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	46.84	Pk	32.3	-23.1	0	56.04	-	-	74	-17.96	27	308	V
2	* 2.484	47.7	Pk	32.3	-23.1	0	56.9	-	-	74	-17.1	27	308	V
3	* 2.484	35.17	RMS	32.3	-23.1	.24	44.61	54	-9.39	-	-	27	308	V
4	* 2.484	35.26	RMS	32.3	-23.1	.24	44.7	54	-9.3	-	-	27	308	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



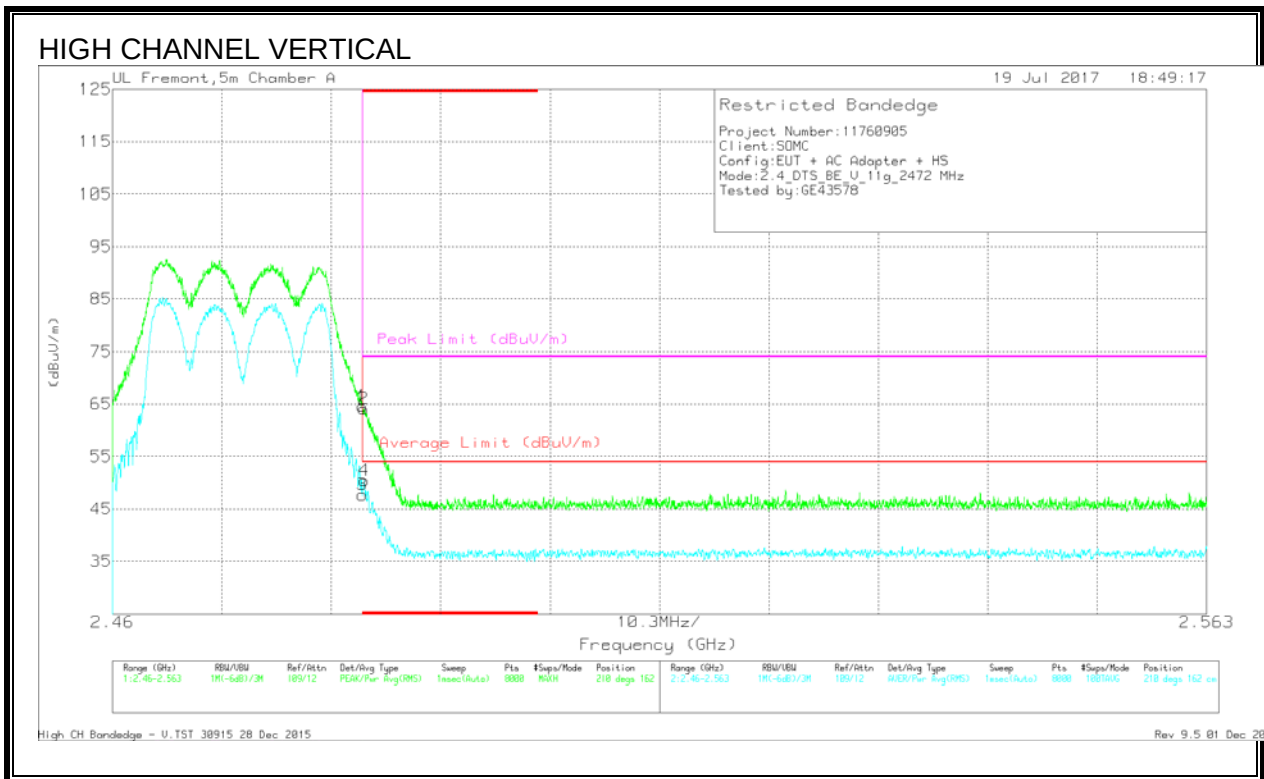
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T662 (dB/m)	Amp/Ch/Tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	53.67	Pk	32.3	-23.1	0	62.87	-	-	74	-11.13	60	232	H
2	* 2.484	53.48	Pk	32.3	-23.1	0	62.68	-	-	74	-11.32	60	232	H
3	* 2.484	37.79	RMS	32.3	-23.1	.24	47.23	54	-6.77	-	-	60	232	H
4	* 2.484	39	RMS	32.3	-23.1	.24	48.44	54	-5.56	-	-	60	232	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

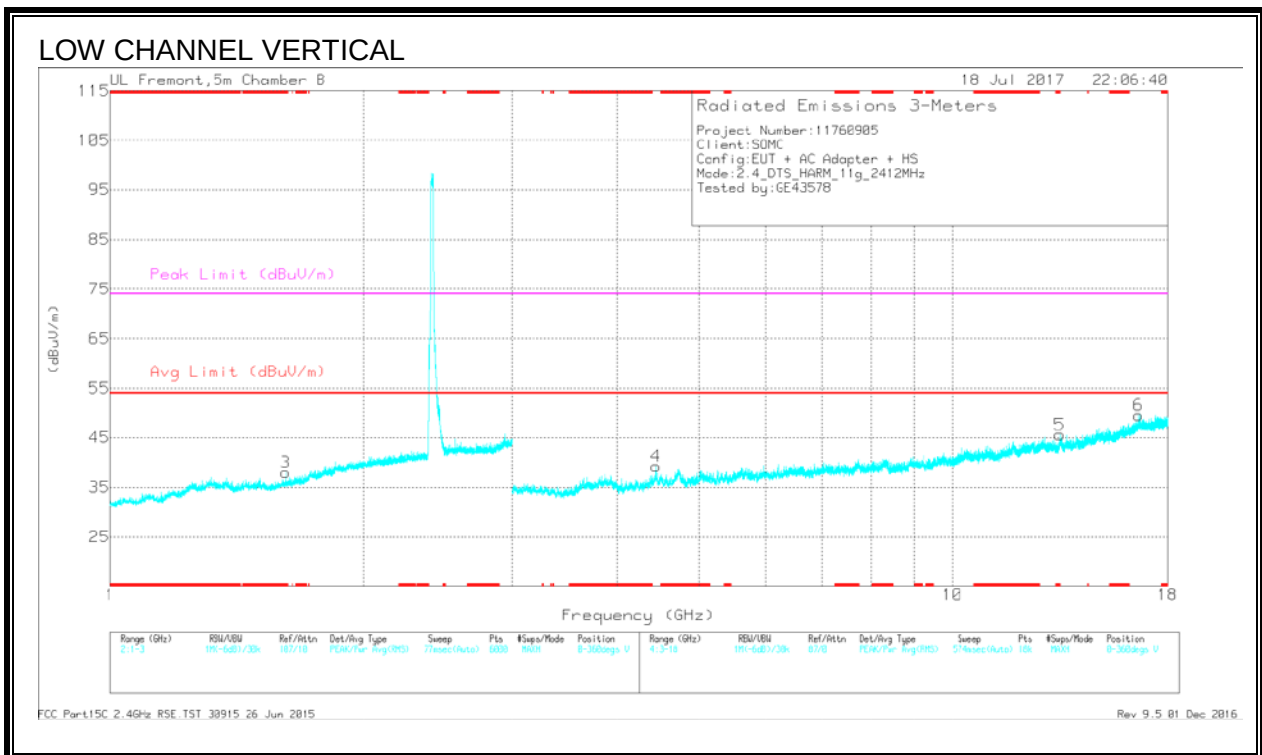
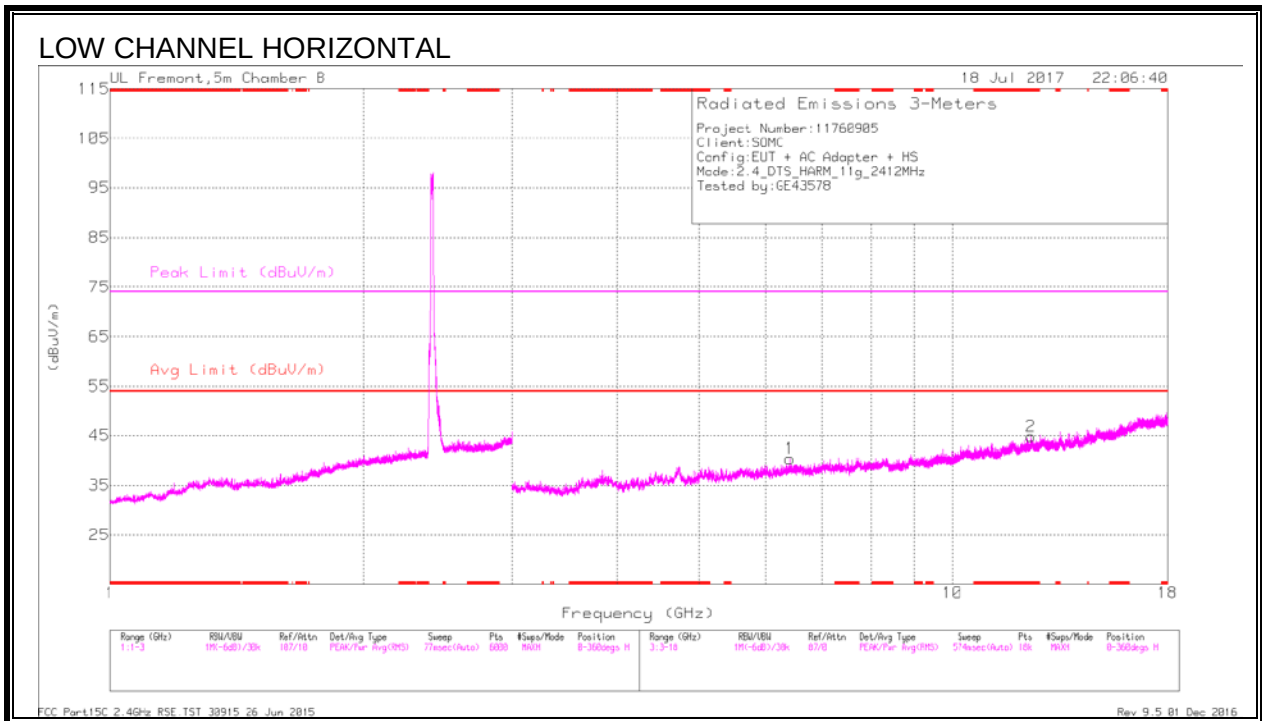
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	55.35	Pk	32.3	-23.1	0	64.55	-	-	74	-9.45	210	162	V
2	* 2.484	54.89	Pk	32.3	-23.1	0	64.09	-	-	74	-9.91	210	162	V
3	* 2.484	38.22	RMS	32.3	-23.1	.24	47.66	54	-6.34	-	-	210	162	V
4	* 2.484	40.92	RMS	32.3	-23.1	.24	50.36	54	-3.64	-	-	210	162	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)



Radiated Emissions

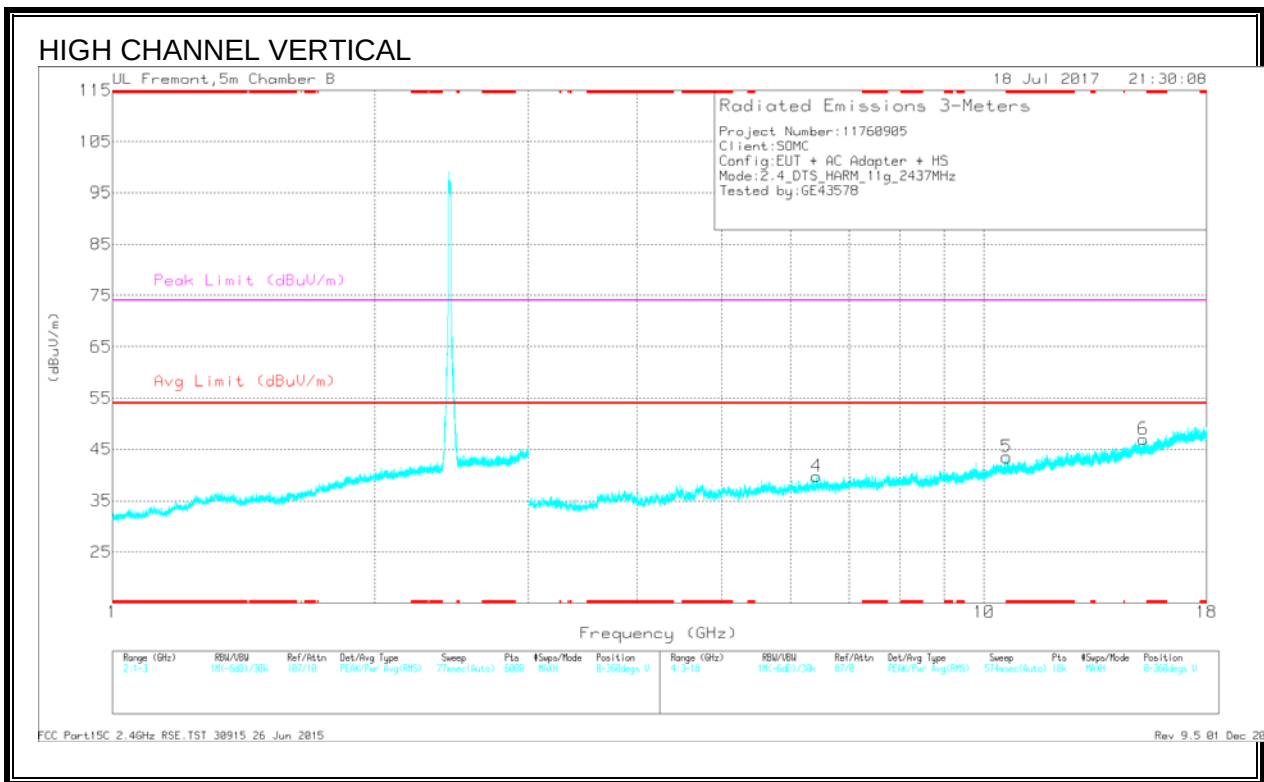
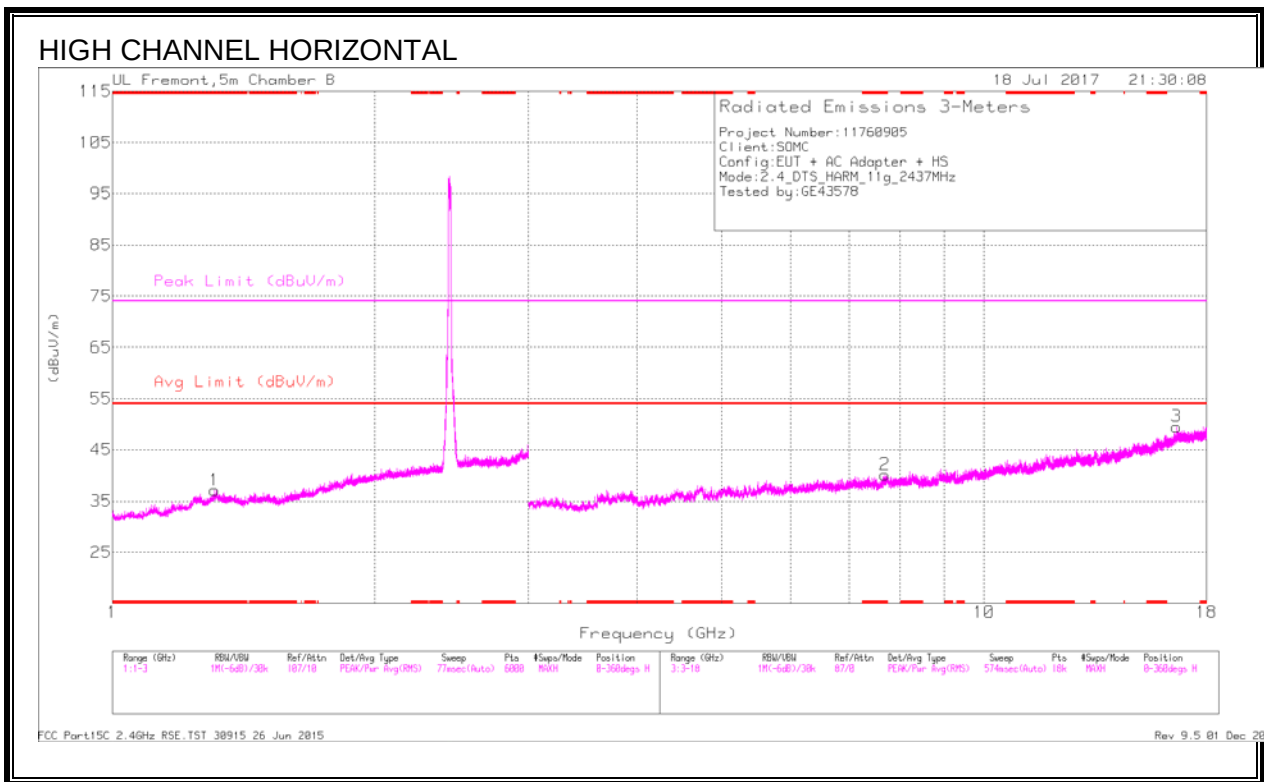
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.617	36	PK2	28.4	-21.4	0	43	-	-	74	-31	171	200	V
* 1.616	23.47	MAv1	28.4	-21.4	.24	30.71	54	-23.29	-	-	171	200	V
* 12.398	33.89	PK2	39	-22.2	0	50.69	-	-	74	-23.31	219	200	H
* 12.398	22.39	MAv1	39	-22.2	.24	39.43	54	-14.57	-	-	219	200	H
* 13.4	33.47	PK2	39.3	-21.3	0	51.47	-	-	74	-22.53	83	200	V
* 13.4	22.03	MAv1	39.3	-21.3	.24	40.27	54	-13.73	-	-	83	200	V
4.447	38.9	PK2	33.8	-28.3	0	44.4	-	-	-	-	145	104	V
6.411	38.84	PK2	35.7	-28.4	0	46.14	-	-	-	-	46	104	H
16.638	31.55	PK2	42.1	-19	0	54.65	-	-	-	-	30	104	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, CH 6)



Radiated Emissions

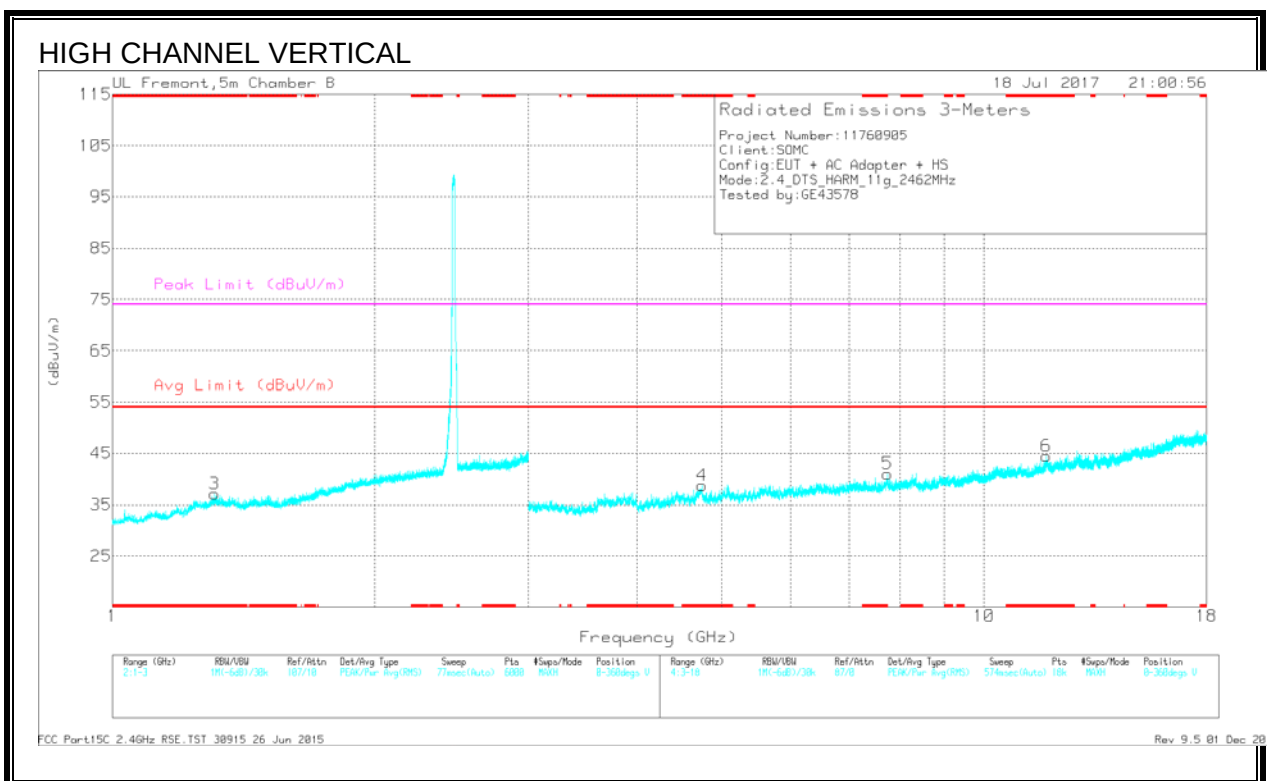
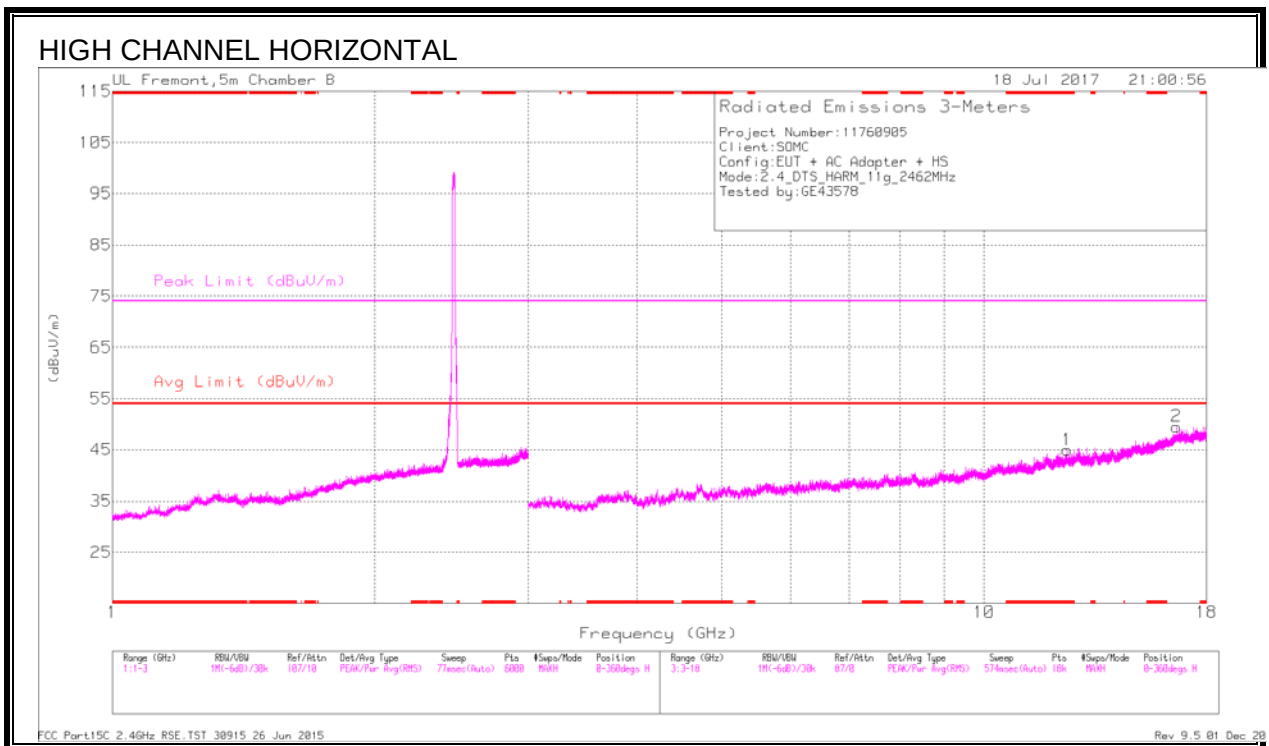
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.31	35.56	PK2	28.9	-21.8	0	42.66	-	-	74	-31.34	24	101	H
* 1.31	23.49	MAv1	28.9	-21.8	.24	30.83	54	-23.17	-	-	24	101	H
* 7.693	36.42	PK2	36	-25.9	0	46.52	-	-	74	-27.48	181	101	H
* 7.694	24.45	MAv1	36	-25.9	.24	34.79	54	-19.21	-	-	181	101	H
* 10.611	34	PK2	37.6	-22.8	0	48.8	-	-	74	-25.2	31	200	V
* 10.61	21.57	MAv1	37.6	-22.8	.24	36.61	54	-17.39	-	-	31	200	V
6.427	37.89	PK2	35.7	-28	0	45.59	-	-	-	-	79	104	V
15.23	31.05	PK2	40.5	-19.9	0	51.65	-	-	-	-	351	104	V
16.634	31.41	PK2	42.1	-18.9	0	54.61	-	-	-	-	227	199	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, CH 11)



Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/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
* 1.31	35.36	PK2	28.9	-21.8	0	42.46	-	-	74	-31.54	0	102	V
* 1.31	23.47	MAV1	28.9	-21.8	.24	30.81	54	-23.19	-	-	0	102	V
* 12.464	33.68	PK2	39.1	-22.1	0	50.68	-	-	74	-23.32	301	102	H
* 12.463	21.46	MAV1	39.1	-22.1	.24	38.7	54	-15.3	-	-	301	102	H
* 4.747	39.17	PK2	34.2	-28.4	0	44.97	-	-	74	-29.03	321	199	V
* 4.747	27.39	MAV1	34.2	-28.4	.24	33.43	54	-20.57	-	-	321	199	V
* 11.782	33.48	PK2	38.6	-21.6	0	50.48	-	-	74	-23.52	359	199	V
* 11.782	21.33	MAV1	38.6	-21.7	.24	38.47	54	-15.53	-	-	359	199	V
7.751	36.45	PK2	36	-25.5	0	46.95	-	-	-	-	330	199	V
16.631	31.4	PK2	42.1	-18.6	0	54.9	-	-	-	-	97	199	H

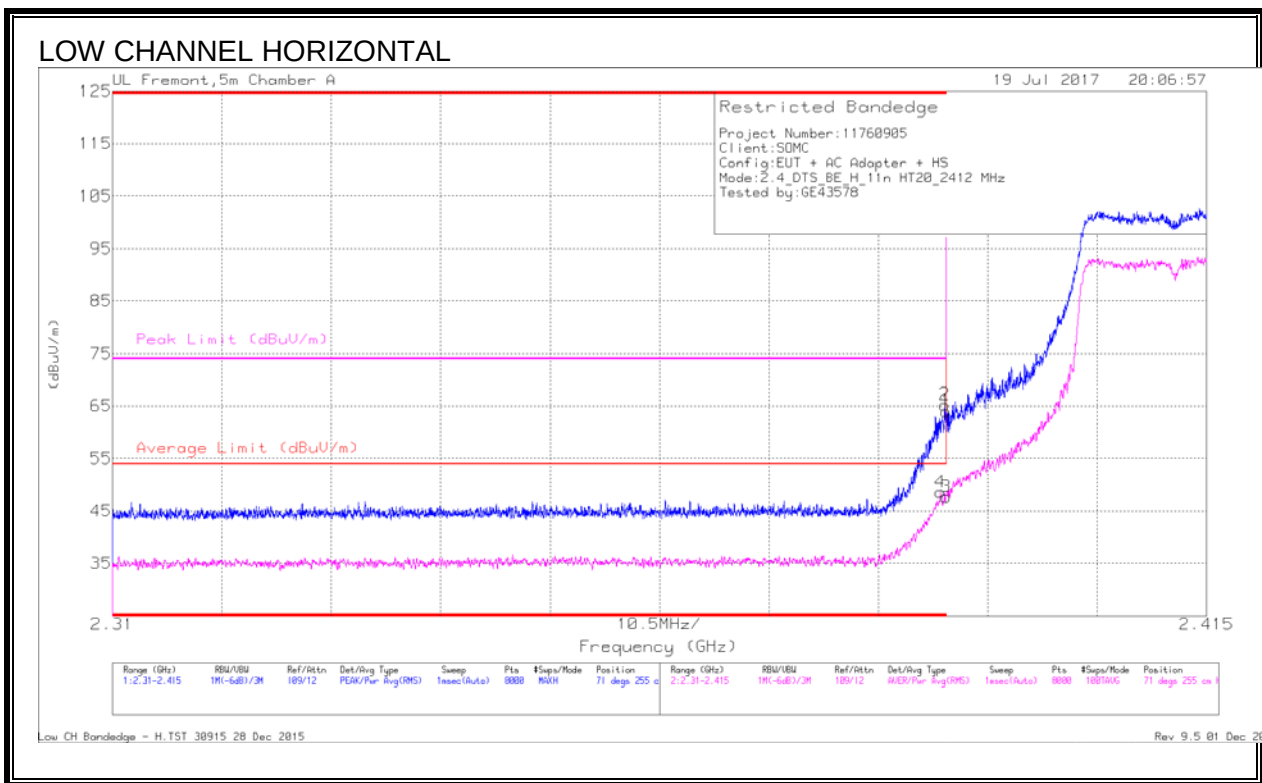
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

10.2.3 11n-HT20 MIMO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)



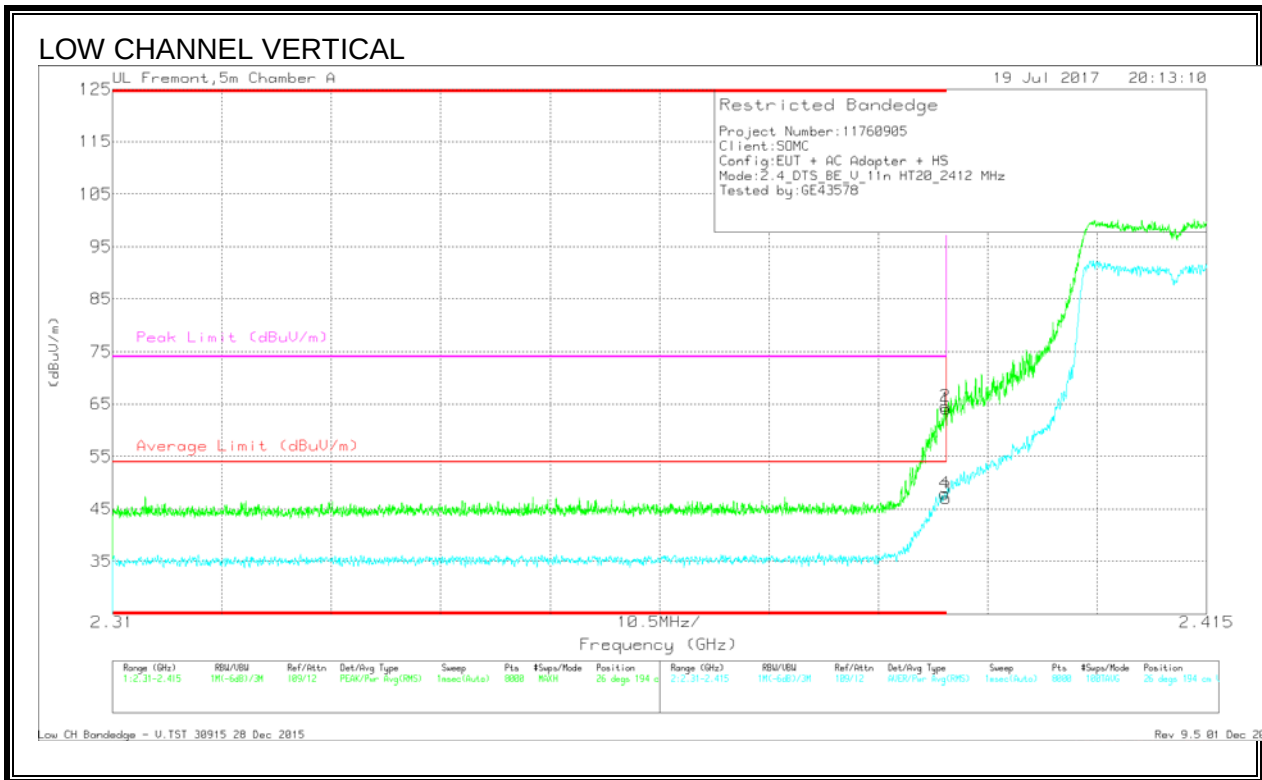
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
4	* 2.389	39.76	RMS	31.8	-23.2	.2	48.56	54	-5.44	-	-	71	255	H
1	* 2.39	55.41	Pk	31.8	-23.2	0	64.01	-	-	74	-9.99	71	255	H
2	* 2.39	56.65	Pk	31.8	-23.2	0	65.25	-	-	74	-8.75	71	255	H
3	* 2.39	38.88	RMS	31.8	-23.2	.2	47.68	54	-6.32	-	-	71	255	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

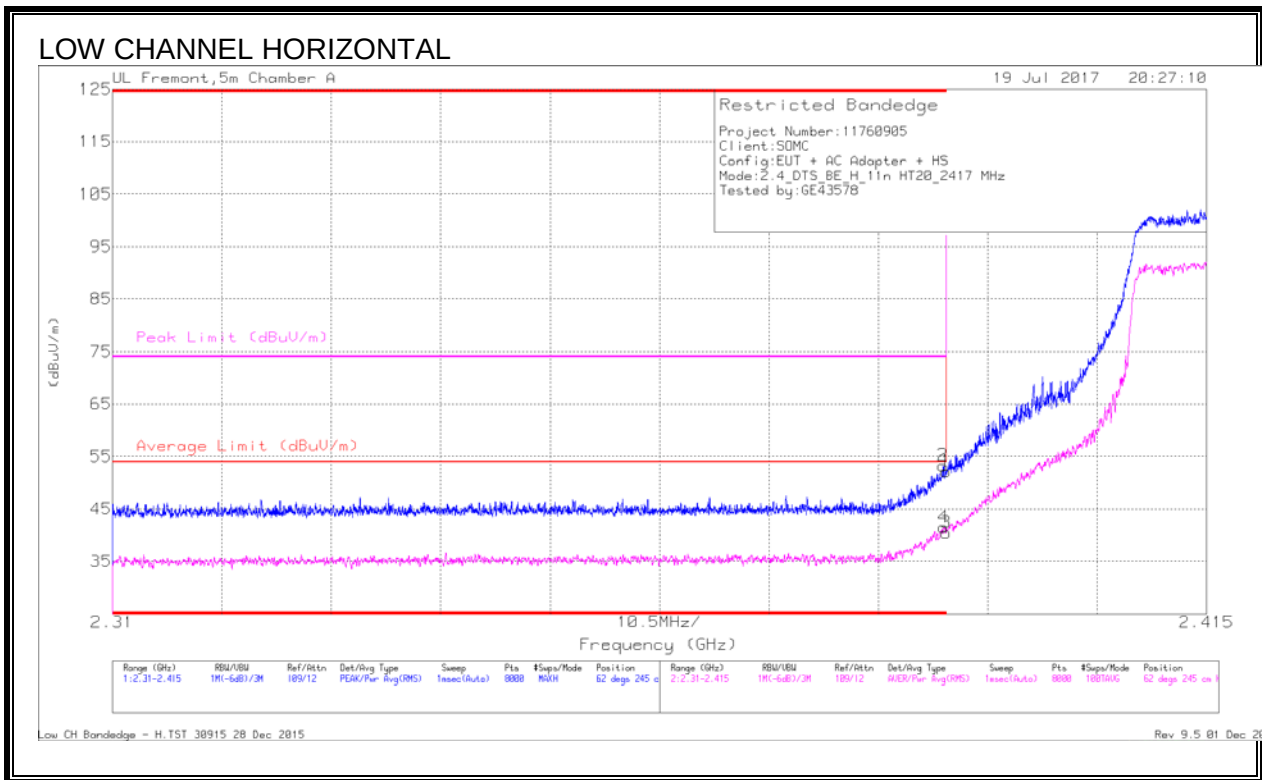
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.46	PK	31.8	-23.2	0	64.06	-	-	74	-9.94	26	194	V
2	* 2.39	55.92	PK	31.8	-23.2	0	64.52	-	-	74	-9.48	26	194	V
3	* 2.39	38.26	RMS	31.8	-23.2	.2	47.06	54	-6.94	-	-	26	194	V
4	* 2.39	39.16	RMS	31.8	-23.2	.2	47.96	54	-6.04	-	-	26	194	V

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

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 2)



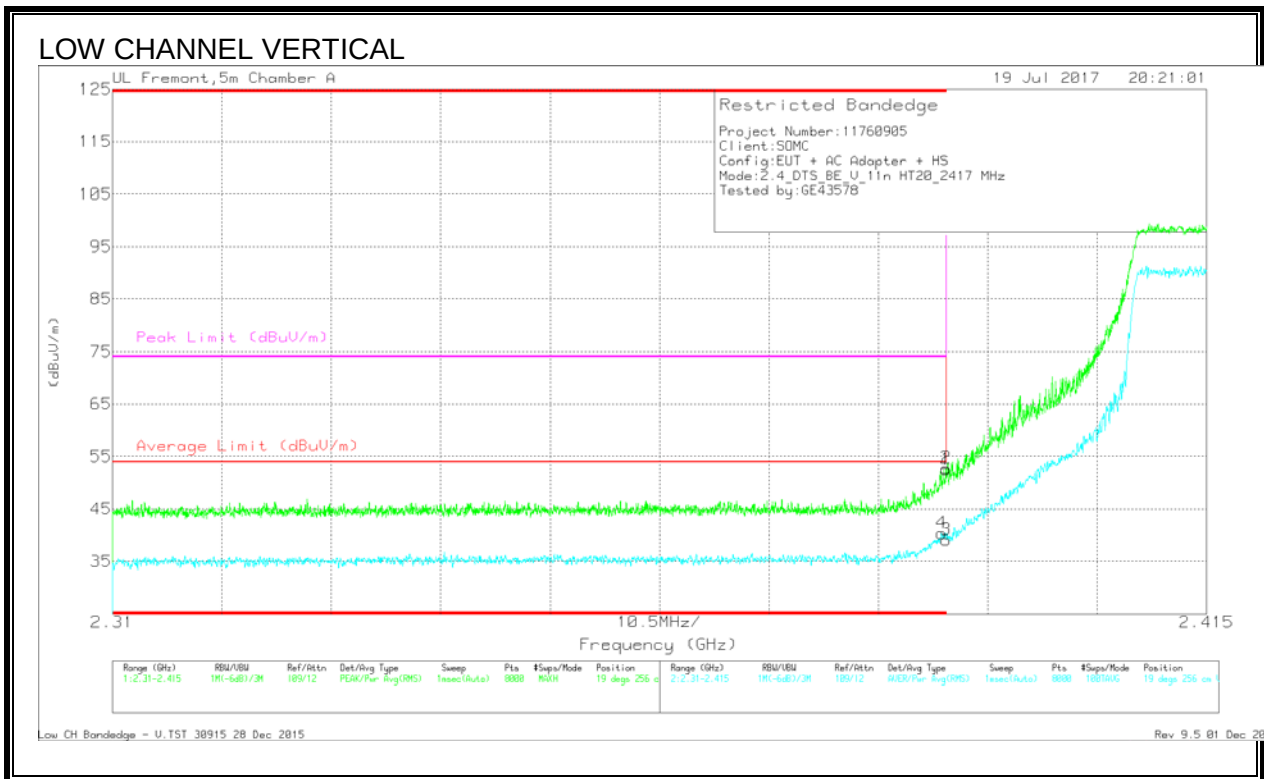
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Ftr/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	43.53	Pk	31.8	-23.2	0	52.13	-	-	74	-21.87	62	245	H
2	* 2.39	44.65	Pk	31.8	-23.2	0	53.25	-	-	74	-20.75	62	245	H
3	* 2.39	31.71	RMS	31.8	-23.2	.2	40.51	54	-13.49	-	-	62	245	H
4	* 2.39	32.73	RMS	31.8	-23.2	.2	41.53	54	-12.47	-	-	62	245	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

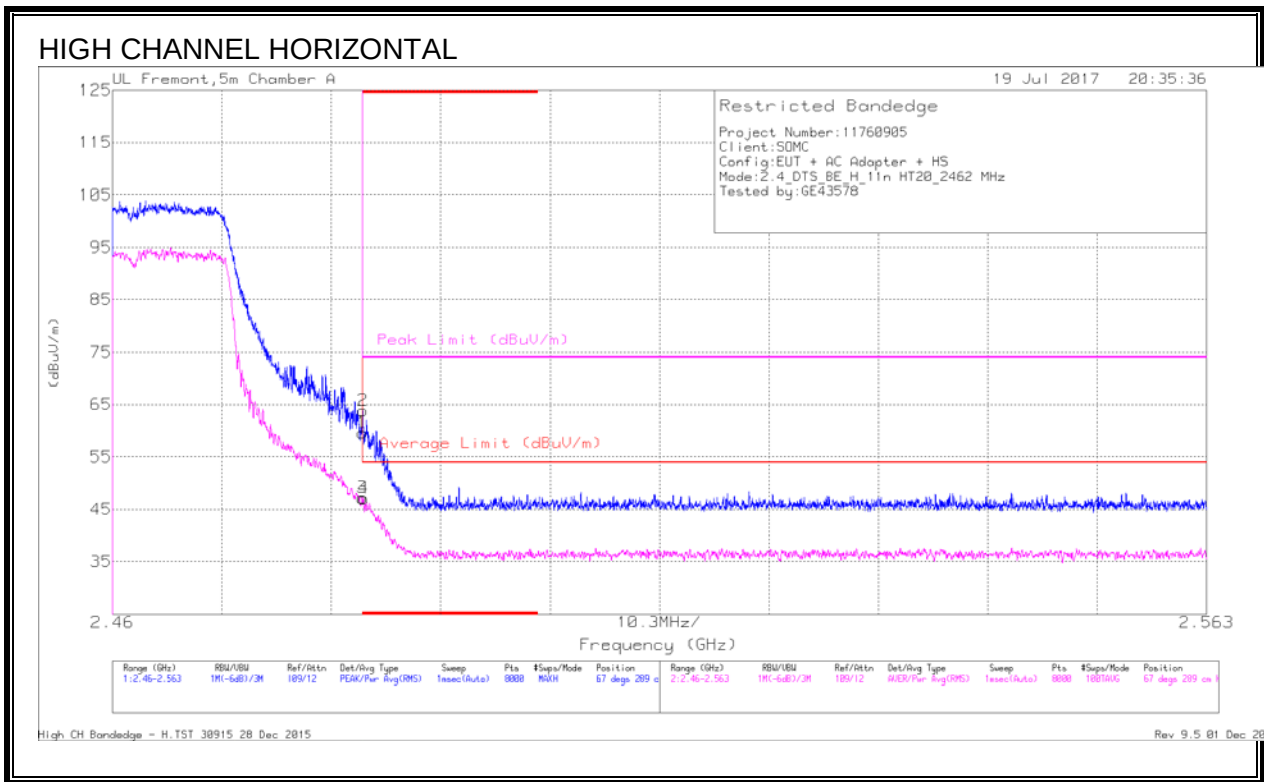
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.88	Pk	31.8	-23.2	0	52.48	-	-	74	-21.52	19	256	V
2	* 2.39	44.16	Pk	31.8	-23.2	0	52.76	-	-	74	-21.24	19	256	V
3	* 2.39	30.36	RMS	31.8	-23.2	.2	39.16	54	-14.84	-	-	19	256	V
4	* 2.39	31.54	RMS	31.8	-23.2	.2	40.34	54	-13.66	-	-	19	256	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEGE (HIGH CHANNEL, CH 11)



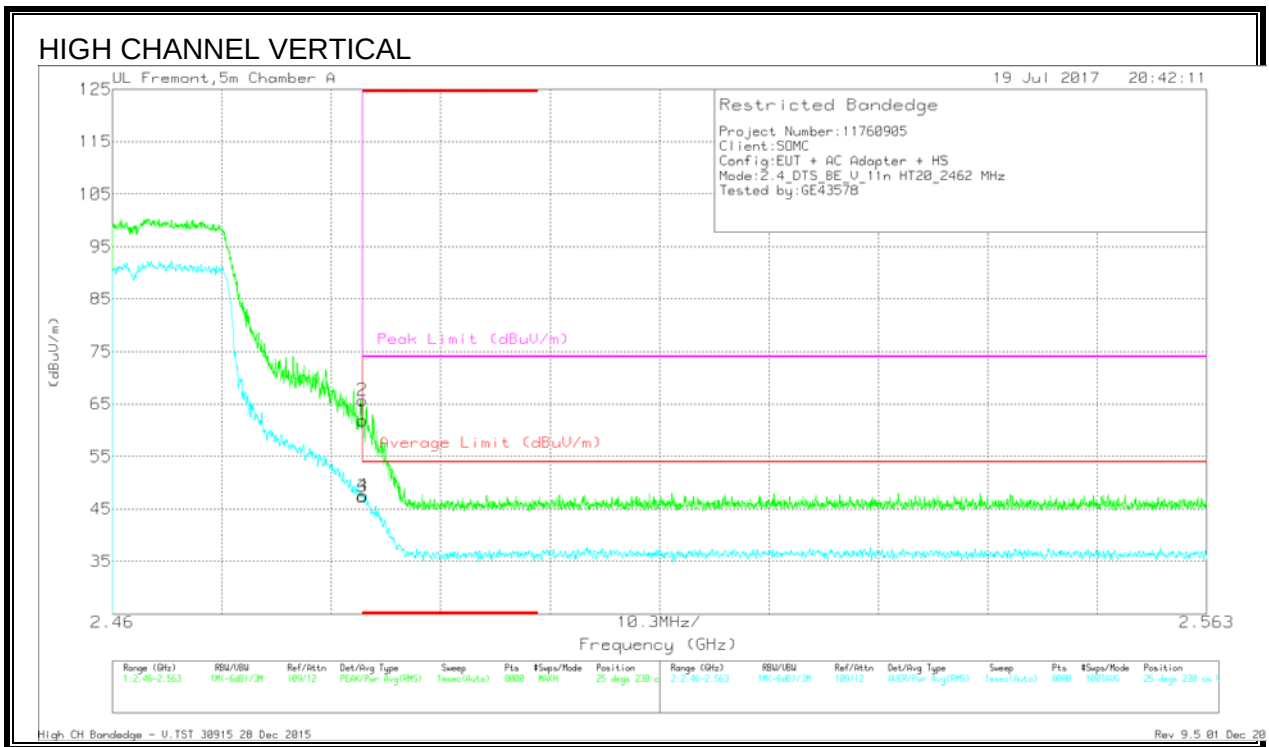
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	50.43	PK	32.3	-23.1	0	59.63	-	-	74	-14.37	67	289	H
2	* 2.484	54.61	PK	32.3	-23.1	0	63.81	-	-	74	-10.19	67	289	H
3	* 2.484	37.77	RMS	32.3	-23.1	.2	47.17	54	-6.83	-	-	67	289	H
4	* 2.484	37.68	RMS	32.3	-23.1	.2	47.08	54	-6.92	-	-	67	289	H

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

PK - Peak detector

RMS - RMS detection



Trace Markers

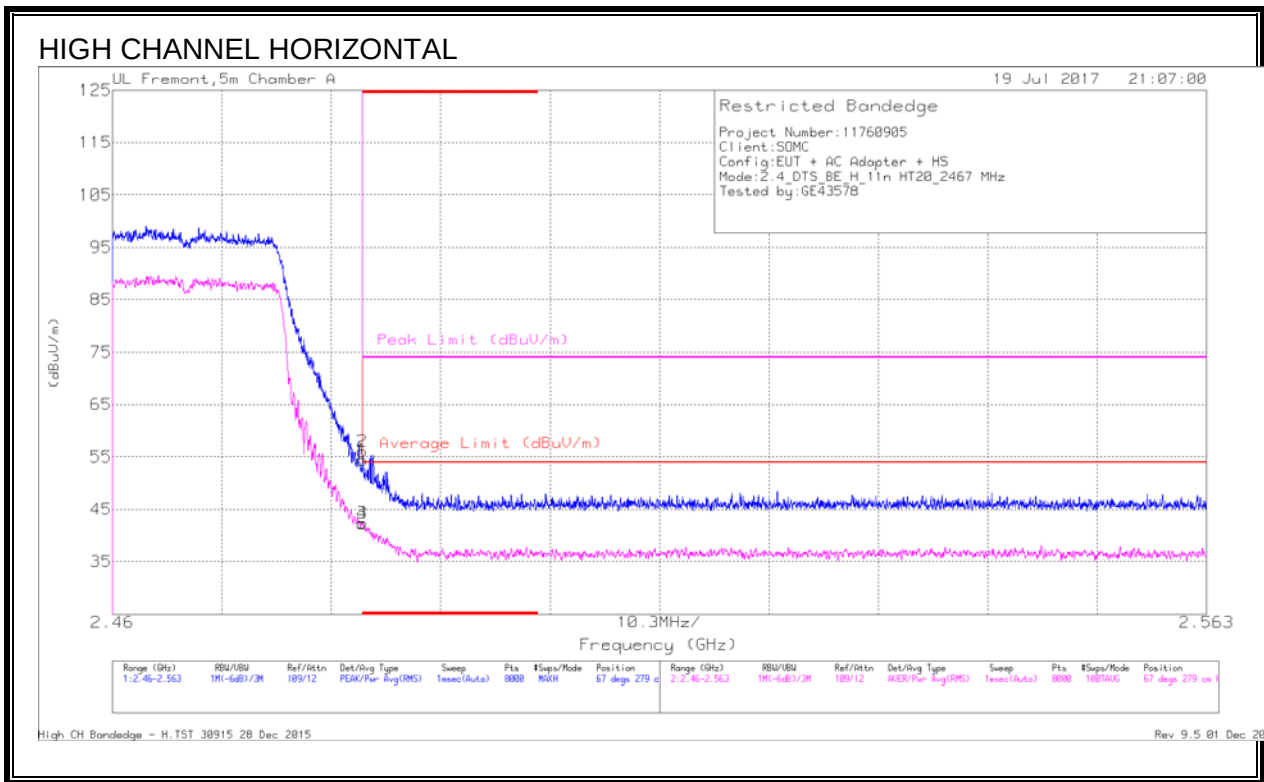
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1862 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.69	Pk	32.3	-23.1	0	61.89	-	-	74	-12.11	25	230	V
2	* 2.484	56.46	Pk	32.3	-23.1	0	65.66	-	-	74	-8.34	25	230	V
3	* 2.484	37.83	RMS	32.3	-23.1	.2	47.23	54	-6.77	-	-	25	230	V
4	* 2.484	38.17	RMS	32.3	-23.1	.2	47.57	54	-6.43	-	-	25	230	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEGE (HIGH CHANNEL, CH 12)



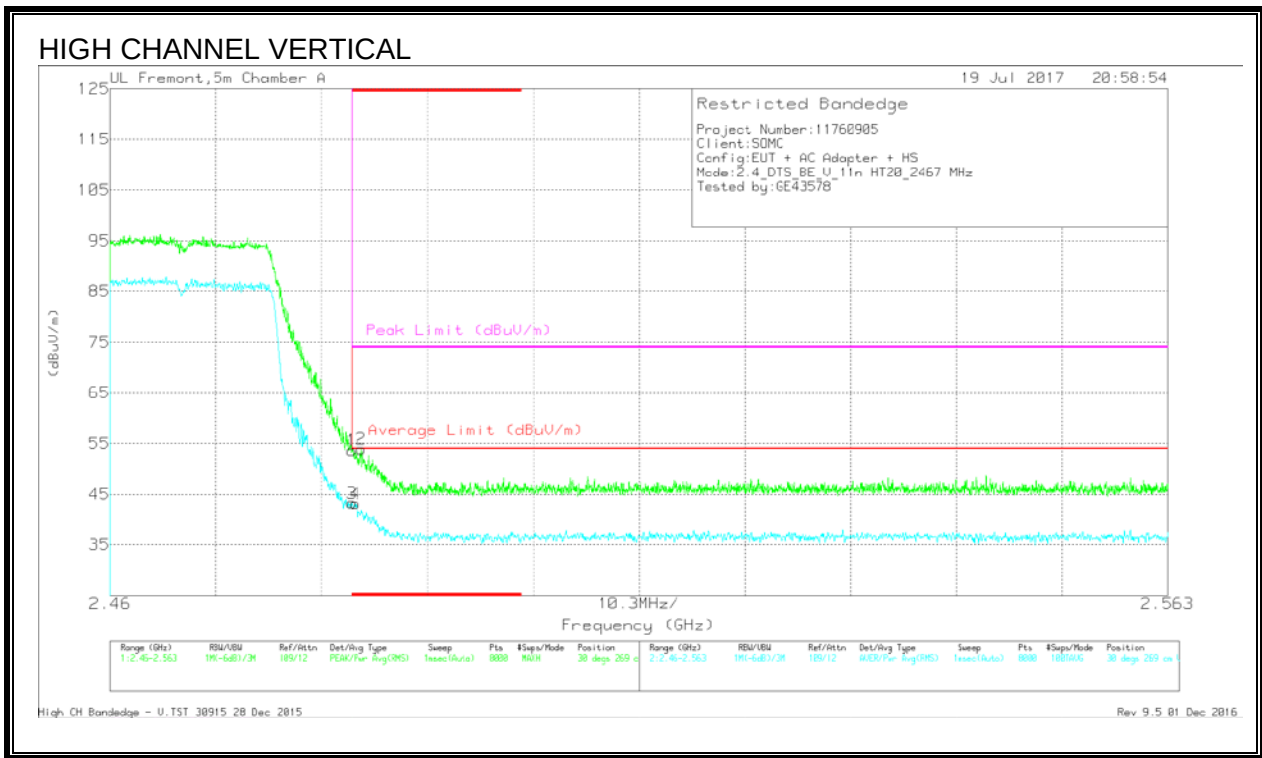
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Chl/Fr/Pd (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	45.18	Pk	32.3	-23.1	0	54.38	-	-	74	-19.62	67	279	H
2	* 2.484	46.84	Pk	32.3	-23.1	0	56.04	-	-	74	-17.96	67	279	H
3	* 2.484	32.89	RMS	32.3	-23.1	.2	42.29	54	-11.71	-	-	67	279	H
4	* 2.484	32.79	RMS	32.3	-23.1	.2	42.19	54	-11.81	-	-	67	279	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

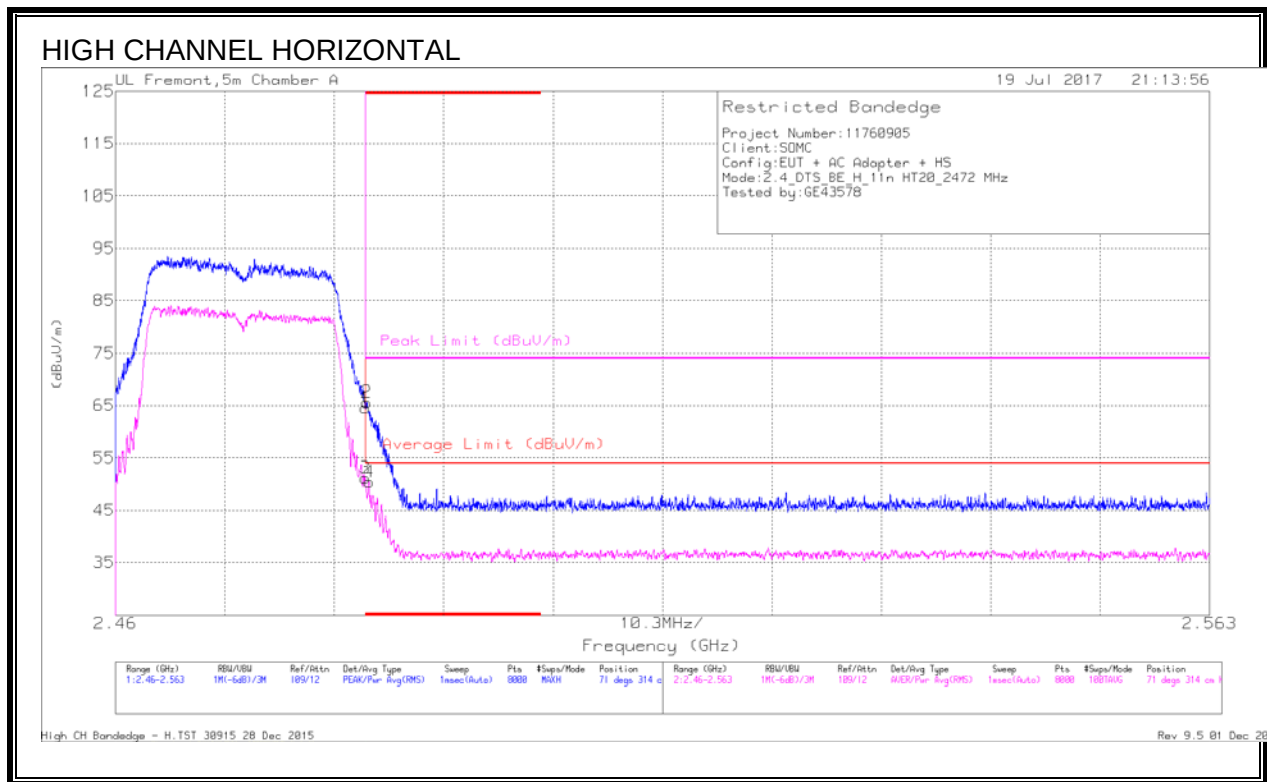
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.49	Pk	32.3	-23.1	0	53.69	-	-	74	-20.31	30	269	V
2	* 2.484	44.74	Pk	32.3	-23.1	0	53.94	-	-	74	-20.06	30	269	V
3	* 2.484	33.77	RMS	32.3	-23.1	.2	43.17	54	-10.83	-	-	30	269	V
4	* 2.484	33.71	RMS	32.3	-23.1	.2	43.11	54	-10.89	-	-	30	269	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



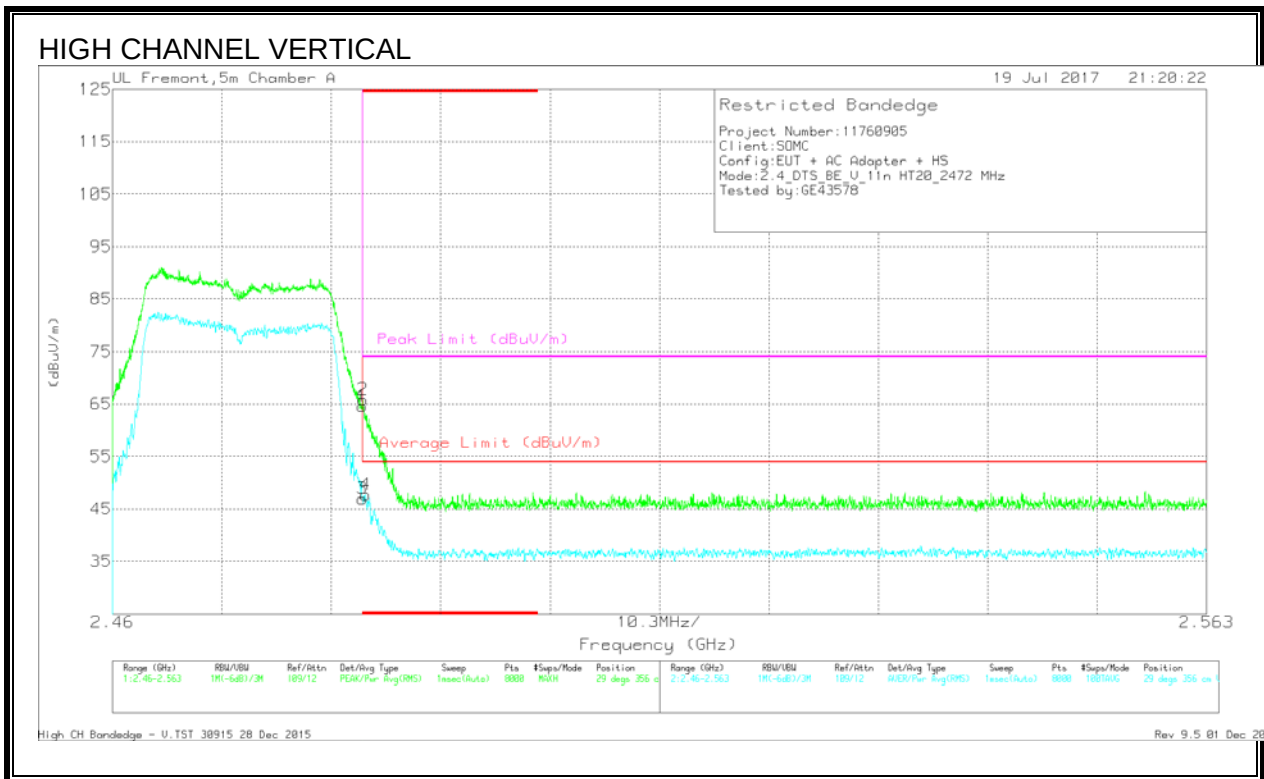
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	55.36	Pk	32.3	-23.1	0	64.56	-	-	74	-9.44	71	314	H
2	* 2.484	56.42	Pk	32.3	-23.1	0	65.62	-	-	74	-8.38	71	314	H
3	* 2.484	41.72	RMS	32.3	-23.1	.2	51.12	54	-2.88	-	-	71	314	H
4	* 2.484	41.05	RMS	32.3	-23.1	.2	50.45	54	-3.55	-	-	71	314	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

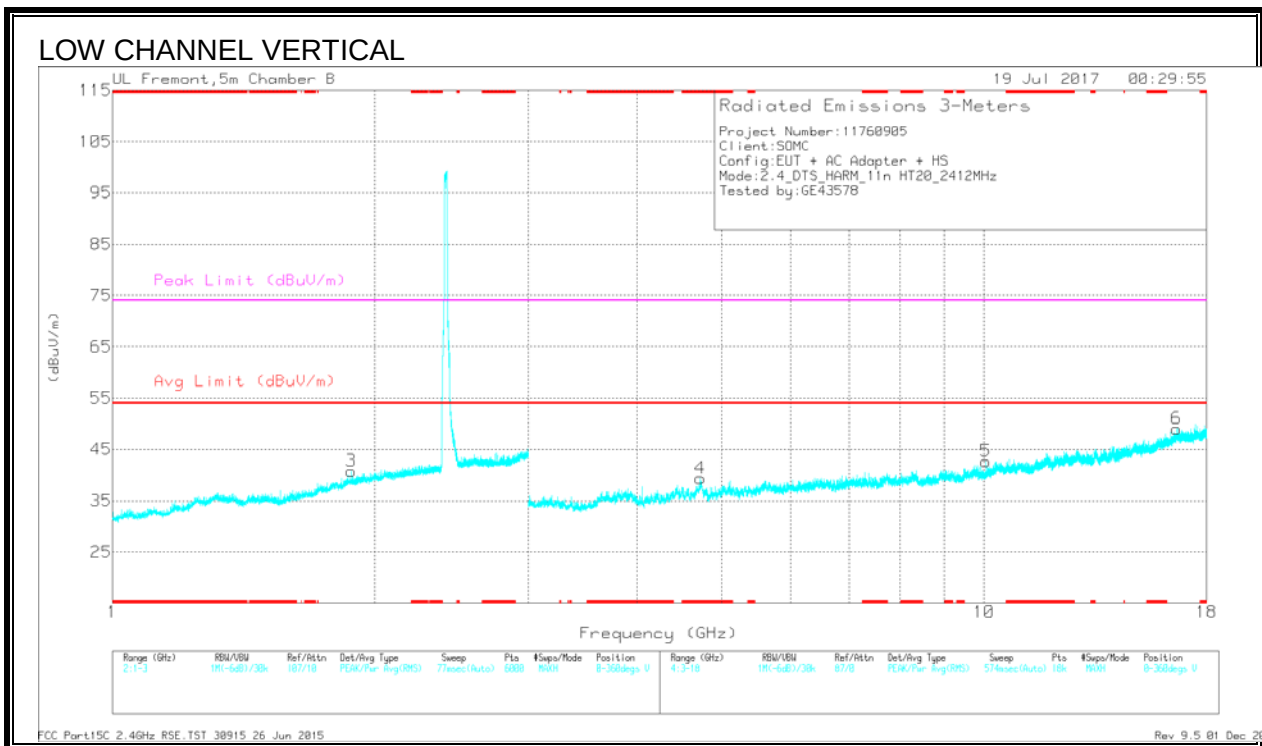
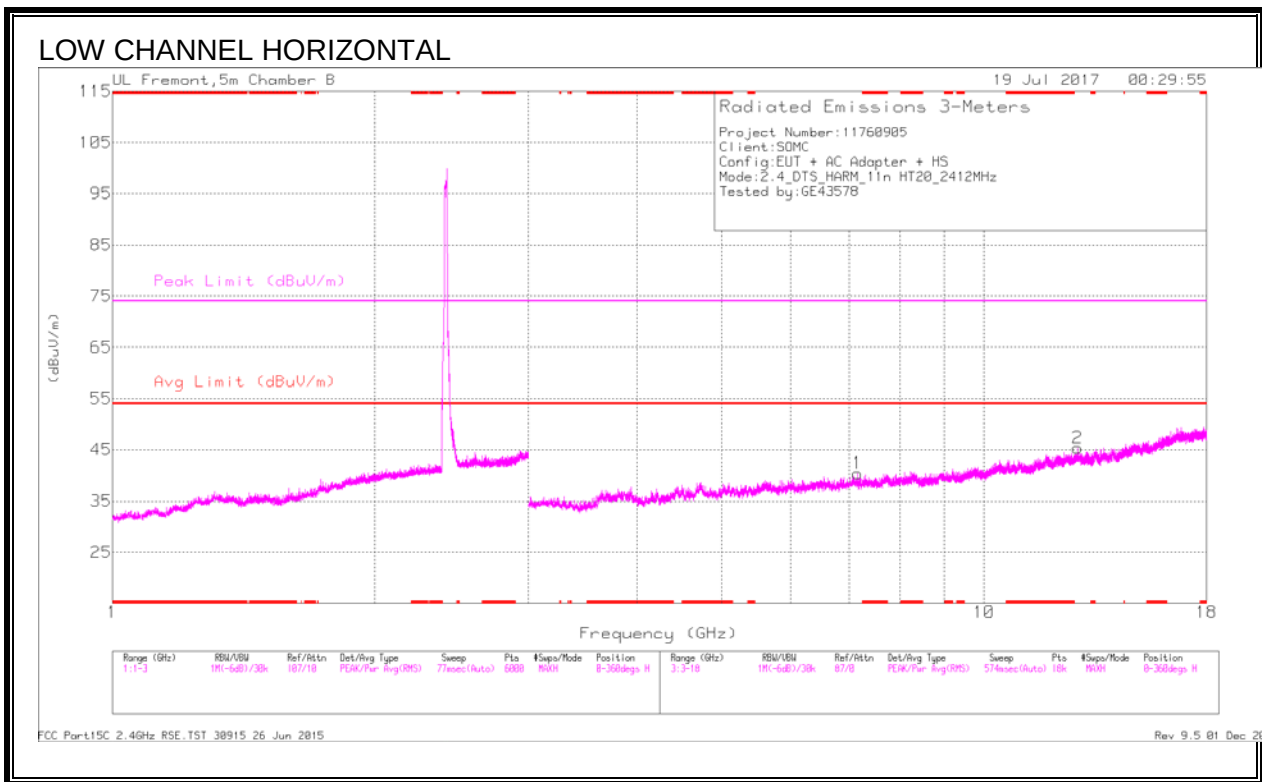
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	55.33	Pk	32.3	-23.1	0	64.53	-	-	74	-9.47	29	356	V
2	* 2.484	56.6	Pk	32.3	-23.1	0	65.8	-	-	74	-8.2	29	356	V
3	* 2.484	37.52	RMS	32.3	-23.1	.2	46.92	54	-7.08	-	-	29	356	V
4	* 2.484	38.33	RMS	32.3	-23.1	.2	47.73	54	-6.27	-	-	29	356	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)



Radiated Emissions

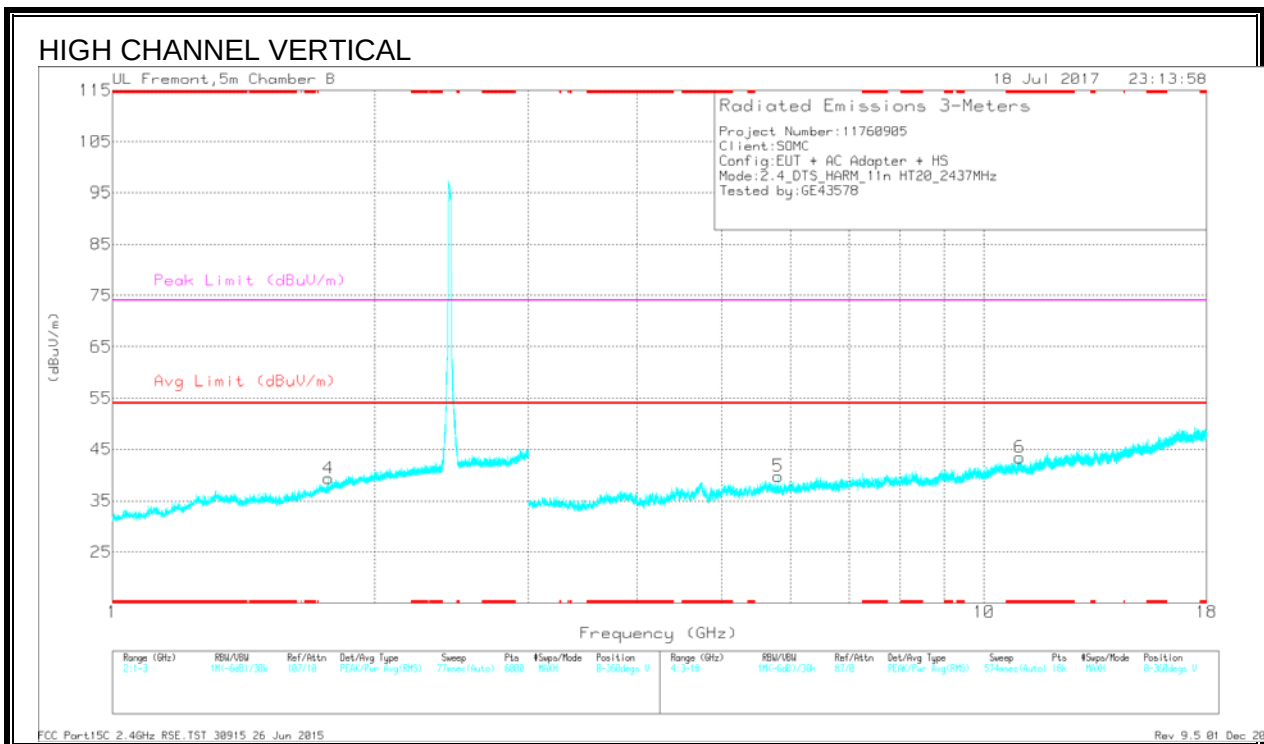
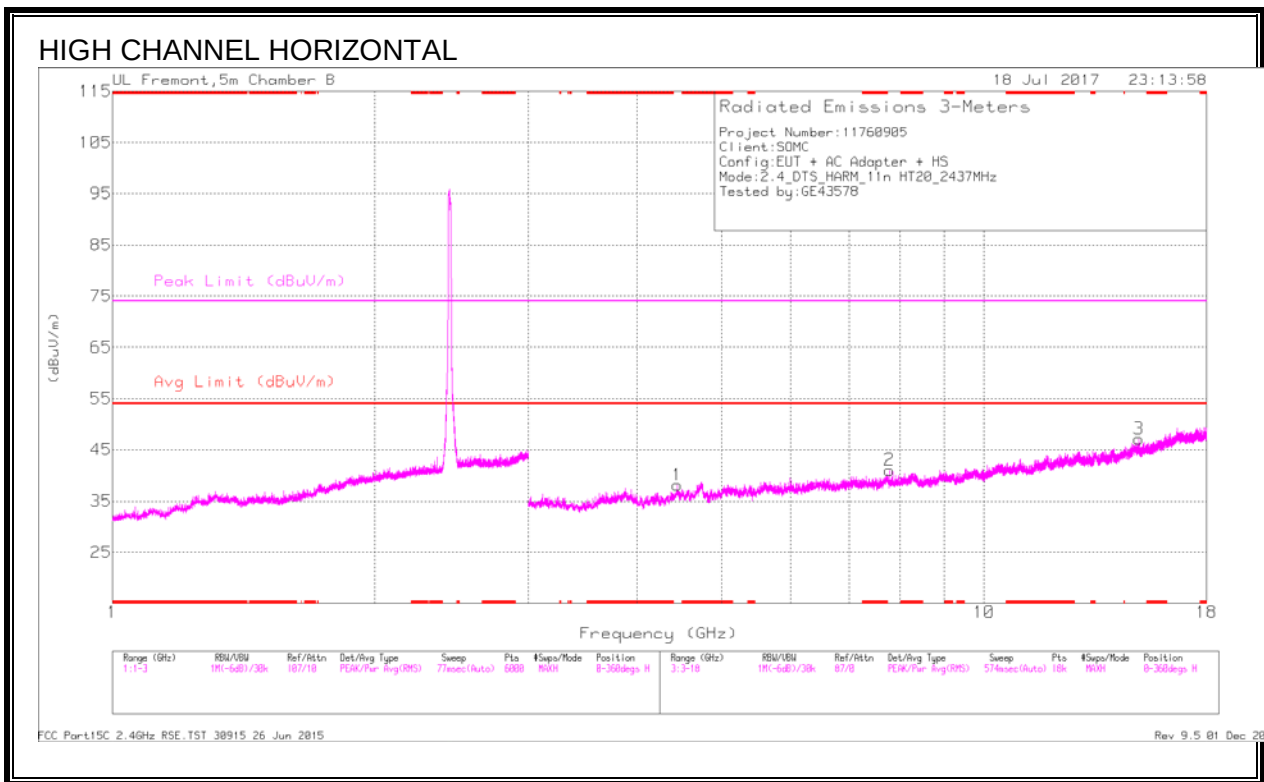
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.726	40.4	PK2	34.2	-28.6	0	46	-	-	74	-28	55	104	V
* 4.727	28.52	MAv1	34.2	-28.6	.2	34.32	54	-19.68	-	-	55	104	V
1.88	35.45	PK2	30.9	-21	0	45.35	-	-	-	-	151	200	V
7.163	36.42	PK2	35.9	-26.1	0	46.22	-	-	-	-	104	104	H
10.042	33.66	PK2	37.2	-23.8	0	47.06	-	-	-	-	199	200	V
12.813	32.88	PK2	39.4	-21.4	0	50.88	-	-	-	-	34	199	H
16.634	31.8	PK2	42.1	-18.9	0	55	-	-	-	-	310	104	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, CH 6)



Radiated Emissions

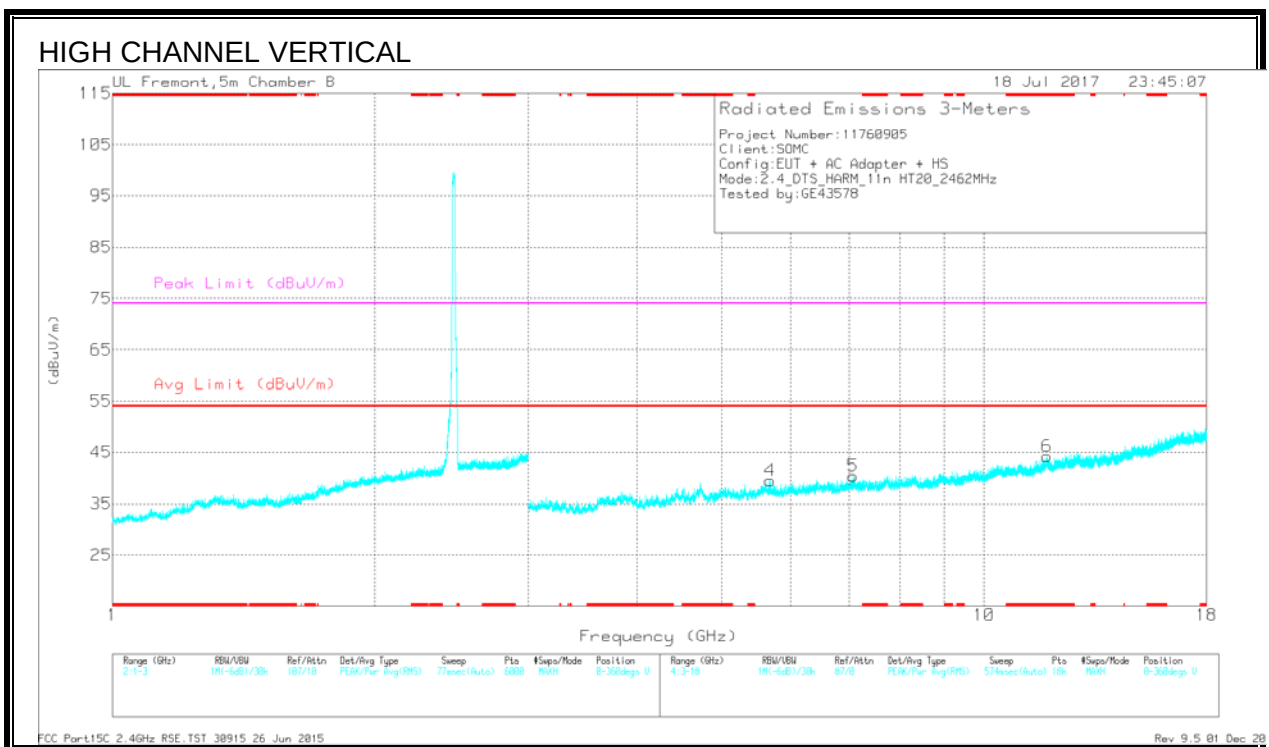
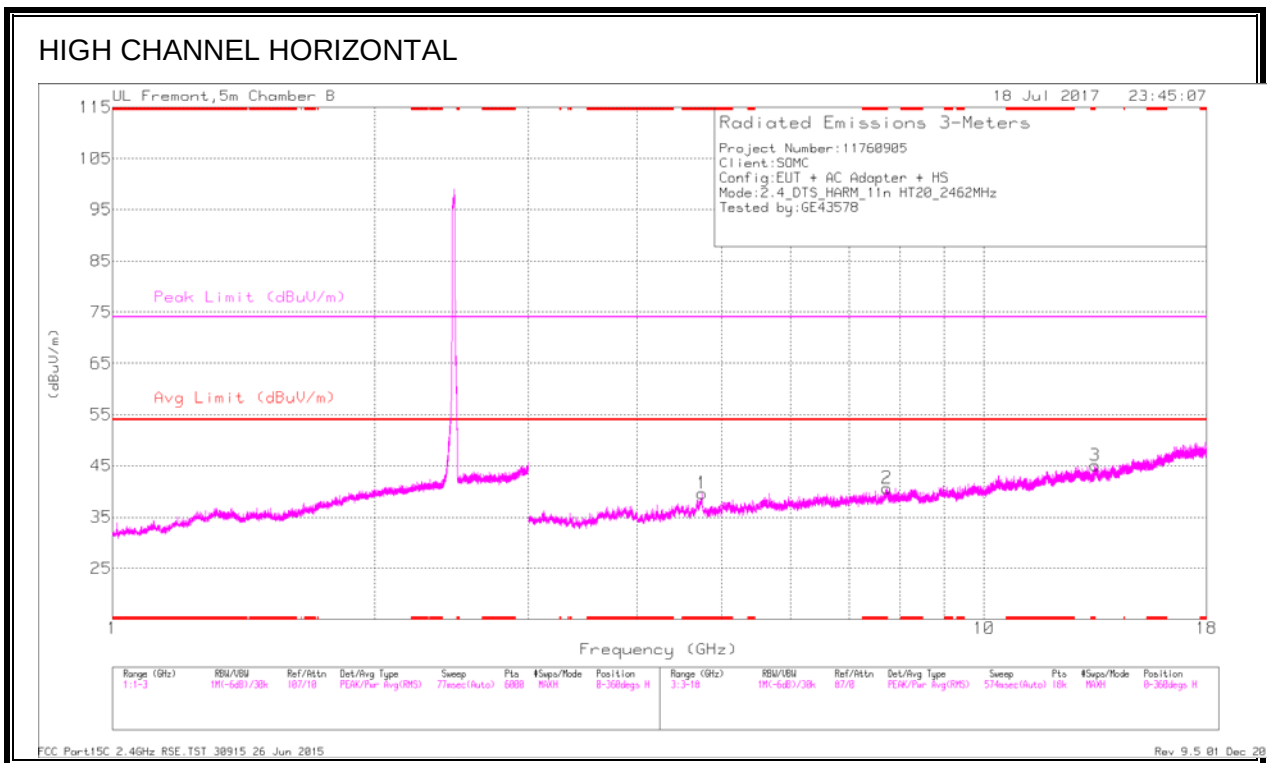
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.988	33.66	PK2	37.7	-22.4	0	48.96	-	-	74	-25.04	325	198	V
* 10.988	22.39	MAv1	37.7	-22.4	.2	37.89	54	-16.11	-	-	325	198	V
1.768	35.31	PK2	29.9	-21.1	0	44.11	-	-	-	-	147	101	V
4.444	38.51	PK2	33.8	-28.2	0	44.11	-	-	-	-	197	198	H
5.809	38.7	PK2	35	-29.4	0	44.3	-	-	-	-	285	198	V
7.786	35.63	PK2	36	-25.7	0	45.93	-	-	-	-	281	198	H
15.049	31.73	PK2	40.5	-20.4	0	51.83	-	-	-	-	254	198	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, CH 11)



Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/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
* 4.747	40.06	PK2	34.2	-28.4	0	45.86	-	-	74	-28.14	245	199	H
* 4.748	27.65	MAv1	34.2	-28.5	.2	33.55	54	-20.45	-	-	245	199	H
* 7.737	35.97	PK2	36	-24.9	0	47.07	-	-	74	-26.93	22	199	H
* 7.738	23.87	MAv1	36	-25	.2	35.07	54	-18.93	-	-	22	199	H
* 11.811	33.48	PK2	38.6	-21.6	0	50.48	-	-	74	-23.52	261	200	V
* 11.811	21.38	MAv1	38.6	-21.6	.2	38.58	54	-15.42	-	-	261	200	V
5.682	39.05	PK2	35.1	-28	0	46.15	-	-	-	-	92	104	V
7.075	37.44	PK2	35.9	-26.7	0	46.64	-	-	-	-	328	104	V
13.404	32.69	PK2	39.3	-21.3	0	50.69	-	-	-	-	263	199	H

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

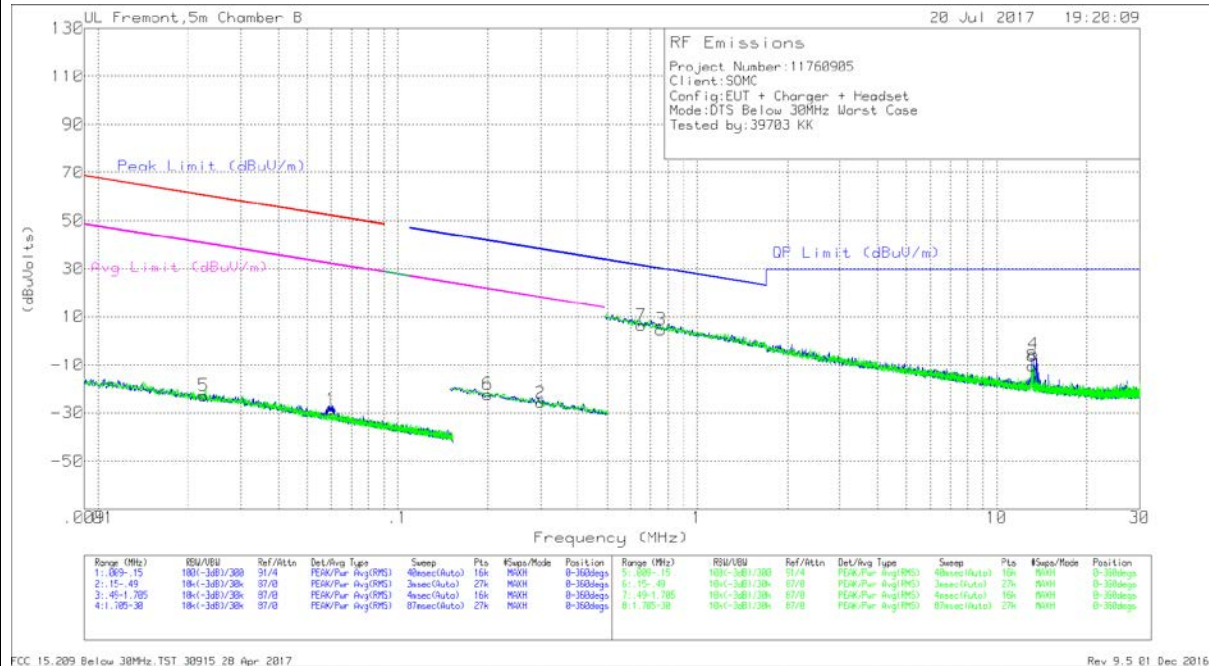
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3 WORST-CASE BELOW 30 MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)

HORIZONTAL AND VERTICAL PLOTS



NOTE: KDB 414788 OATS and Chamber Correlation Justification

- Based 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.
- OATs and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m (dB)	Corrected Reading (dBuV/m)	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)
5	.02251	40.77	Pk	15.1	1.4	-80	-22.73	60.54	-83.27	40.54	-63.27	-	-	-	-	0-360
1	.05975	37.93	Pk	12.2	1.4	-80	-28.47	52.06	-80.53	32.06	-60.53	-	-	-	-	0-360
6	.20023	44.82	Pk	11.5	1.5	-80	-22.18	-	-	-	-	41.59	-63.77	21.59	-43.77	0-360
2	.30027	41.36	Pk	11.5	1.5	-80	-25.64	-	-	-	-	38.06	-63.7	18.06	-43.7	0-360

Pk - Peak detector

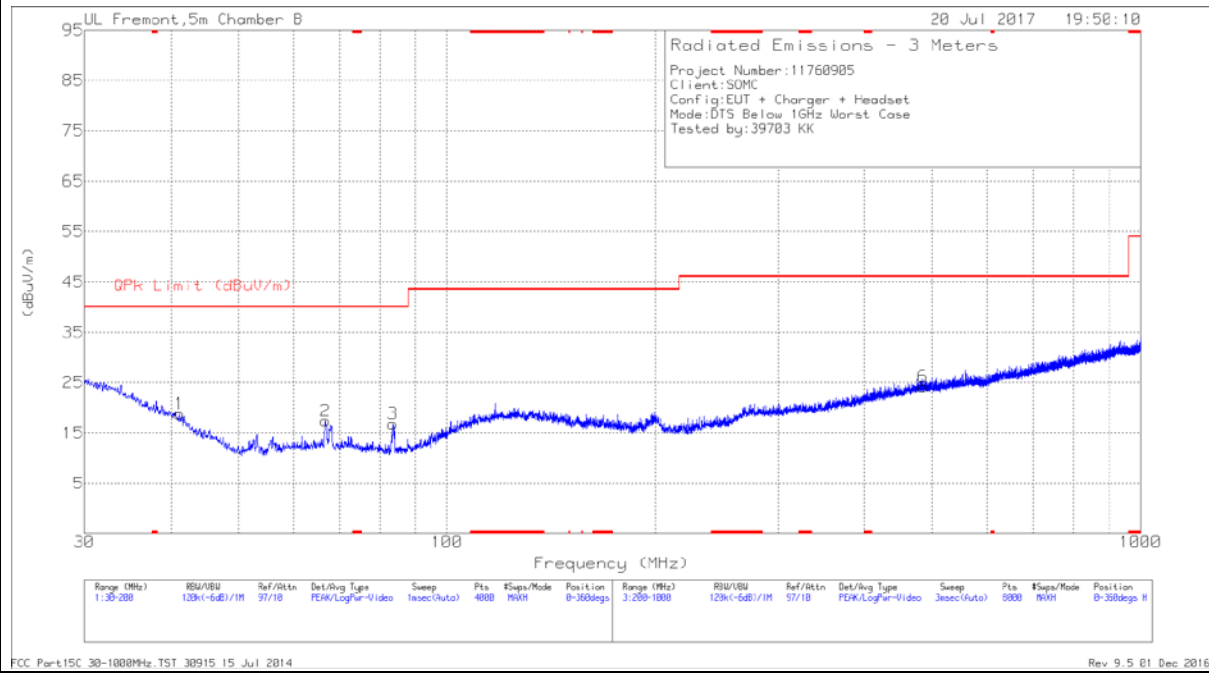
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 40Log (dB)	Corrected Reading (dBuV/m)	QF Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
7	.65089	33.51	Pk	11.5	1.5	-40	6.51	31.34	-24.83	0-360
3	.75763	31.74	Pk	11.5	1.5	-40	4.74	30.03	-25.29	0-360
8	13.13554	17.46	Pk	10.4	1.6	-40	-10.54	29.5	-40.04	0-360
4	13.24191	22.45	Pk	10.4	1.6	-40	-5.55	29.5	-35.05	0-360

Pk - Peak detector

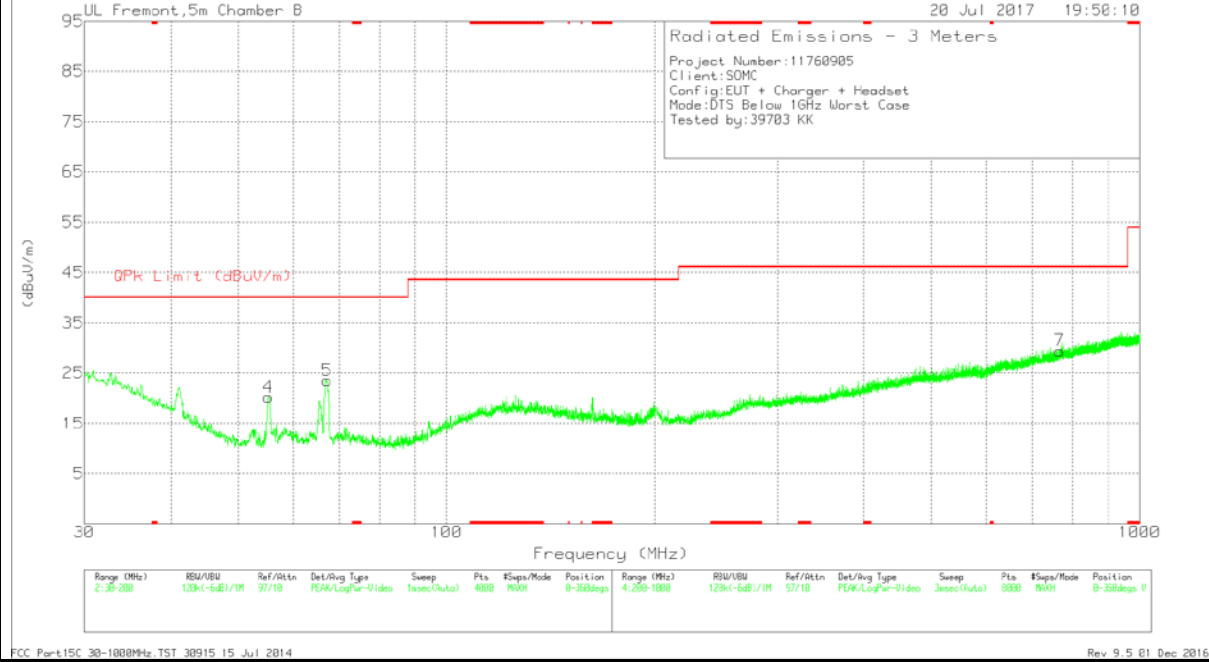
10.4 WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)

HORIZONTAL PLOT



VERTICAL PLOT



Trace Markers

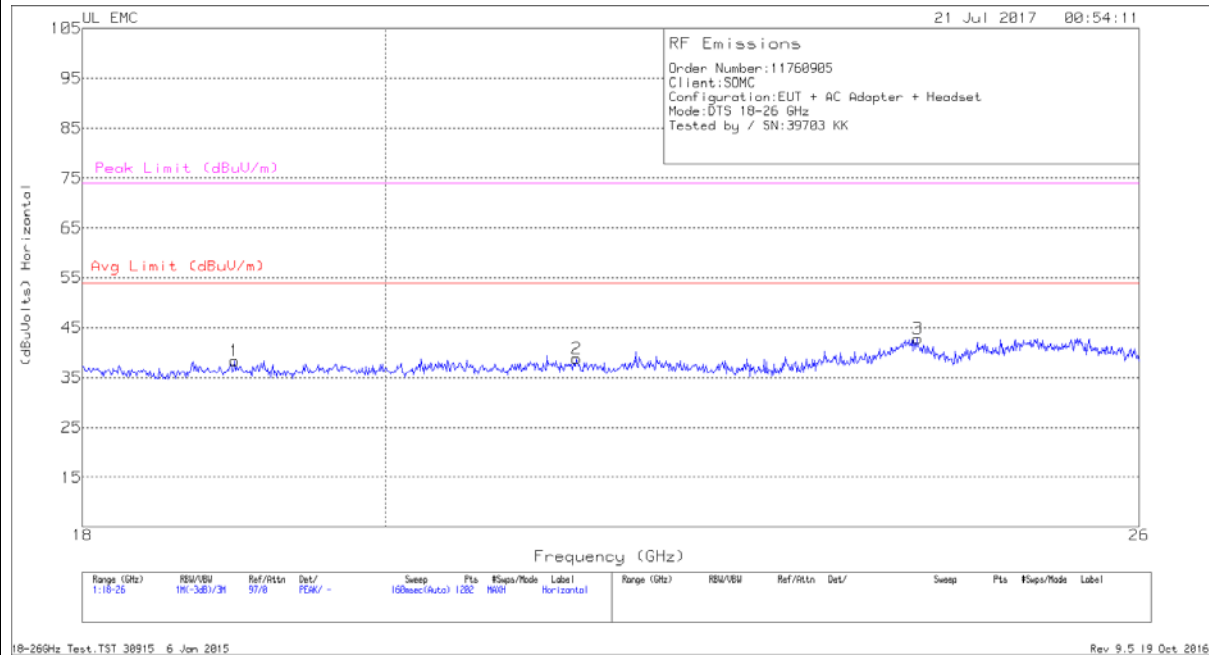
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	41.1379	30.23	Pk	17.3	-28.7	18.83	40	-21.17	0-360	400	H
4	55.3153	37.6	Pk	11	-28.4	20.2	40	-19.8	0-360	100	V
2	66.7295	33.6	Pk	12.1	-28.3	17.4	40	-22.6	0-360	400	H
5	67.1971	39.7	Pk	12.1	-28.3	23.5	40	-16.5	0-360	100	V
3	83.5213	33.93	Pk	11	-28.1	16.83	40	-23.17	0-360	400	H
6	485.3371	28.48	Pk	21.6	-25.9	24.18	46.02	-21.84	0-360	100	H
7	767.3737	29.16	Pk	24.9	-24.6	29.46	46.02	-16.56	0-360	300	V

Pk - Peak detector

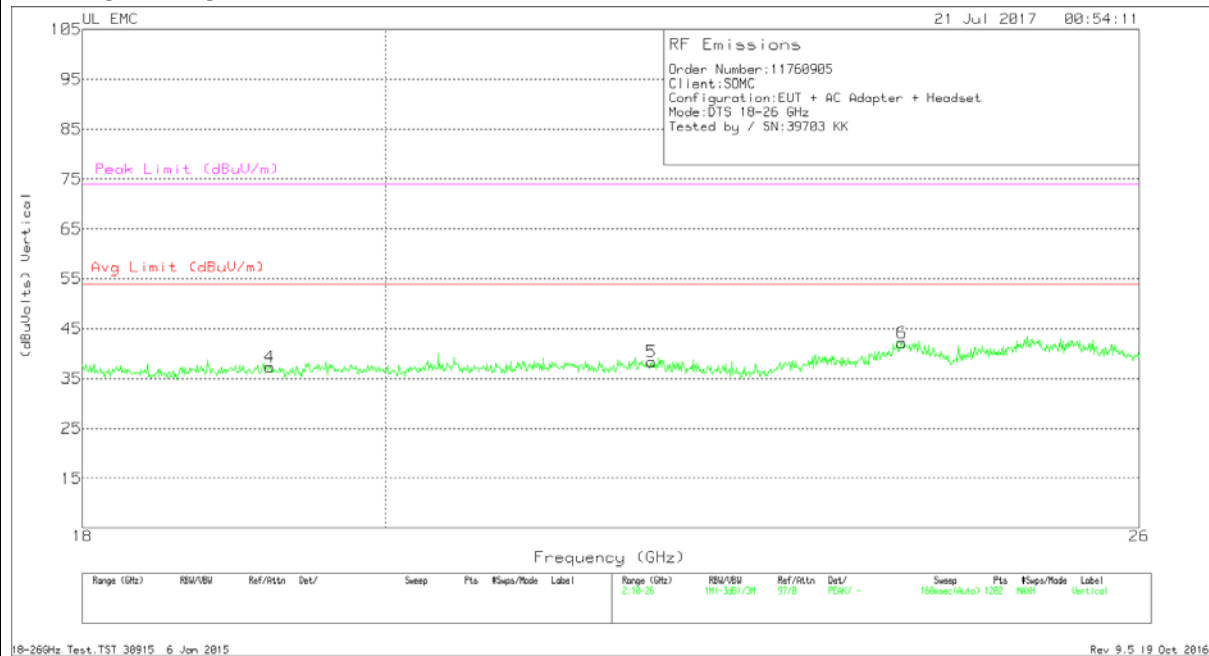
10.5. WORST-CASE 18 to 26 GHz

SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)

HORIZONTAL PLOT



VERTICAL PLOT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T449 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	18.979	40.63	Pk	32.4	-25.2	-9.5	38.33	54	-15.67	74	-35.67
2	21.377	40.63	Pk	33.1	-25.4	-9.5	38.83	54	-15.17	74	-35.17
3	24.068	42.93	Pk	33.9	-24.5	-9.5	42.83	54	-11.17	74	-31.17
4	19.212	39.13	Pk	32.6	-24.9	-9.5	37.33	54	-16.67	74	-36.67
5	21.943	39.73	Pk	33.4	-25.3	-9.5	38.33	54	-15.67	74	-35.67
6	23.942	41.97	Pk	33.9	-24.2	-9.5	42.17	54	-11.83	74	-31.83

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	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.

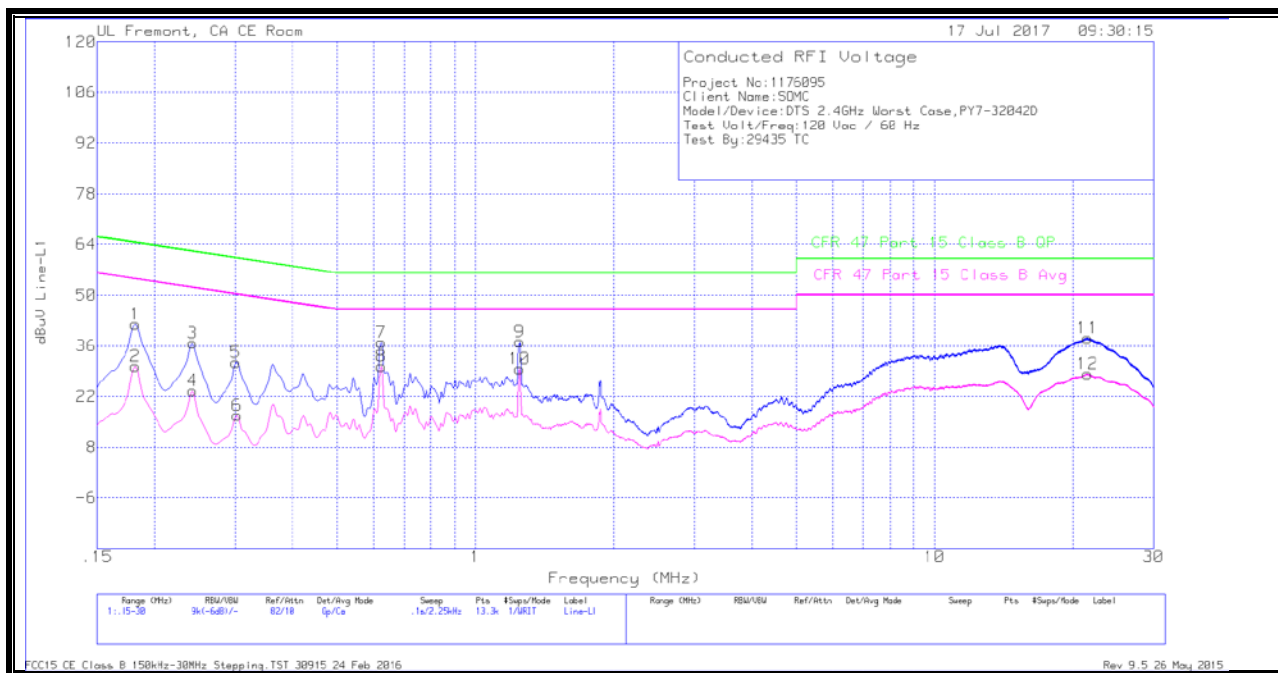
TEST PROCEDURE

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.

LINE 1 RESULTS



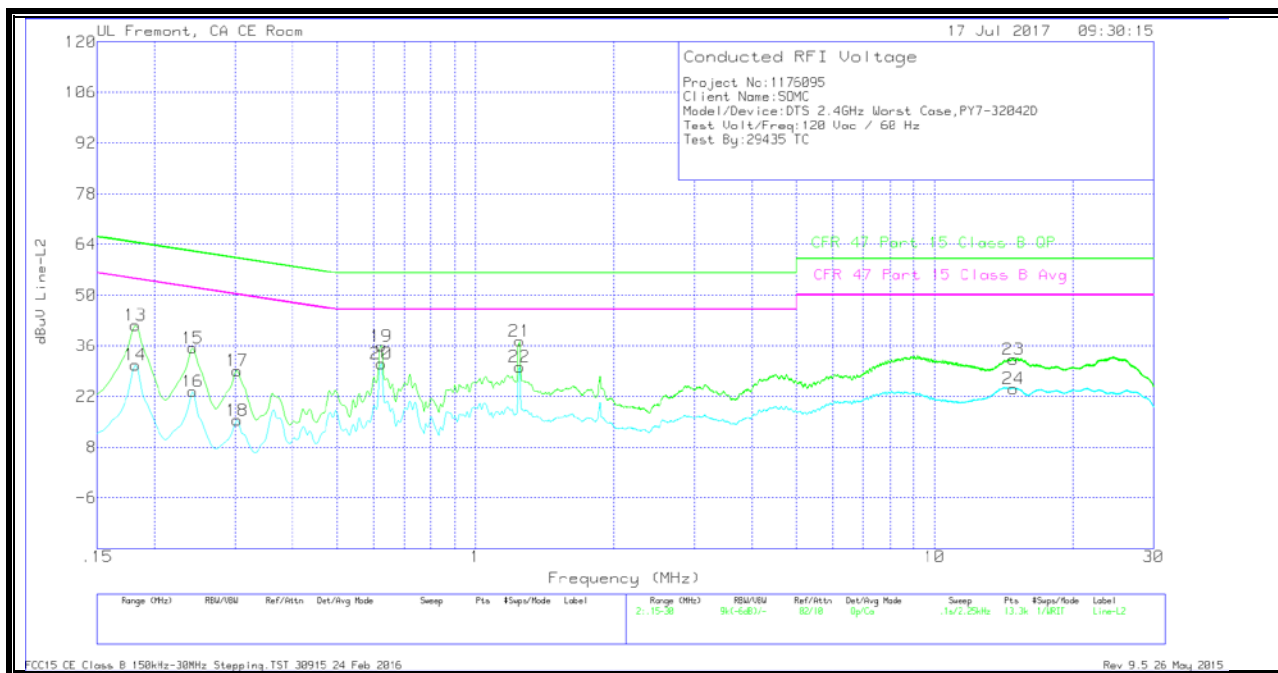
WORST EMISSIONS

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	.1815	31.81	Qp	0	.1	10.1	42.01	64.42	-22.41	-	-
2	.1815	20.15	Ca	0	.1	10.1	30.35	-	-	54.42	-24.07
3	.24225	26.59	Qp	0	.1	10.1	36.79	62.02	-25.23	-	-
4	.24225	13.46	Ca	0	.1	10.1	23.66	-	-	52.02	-28.36
5	.30075	21.23	Qp	0	.1	10.1	31.43	60.22	-28.79	-	-
6	.303	6.6	Ca	0	.1	10.1	16.8	-	-	50.16	-33.36
7	.6225	26.71	Qp	0	.1	10.1	36.91	56	-19.09	-	-
8	.6225	20.23	Ca	0	.1	10.1	30.43	-	-	46	-15.57
9	1.248	26.87	Qp	0	.1	10.1	37.07	56	-18.93	-	-
10	1.248	19.53	Ca	0	.1	10.1	29.73	-	-	46	-16.27
11	21.5385	27.42	Qp	.1	.3	10.4	38.22	60	-21.78	-	-
12	21.52725	17.44	Ca	.1	.3	10.4	28.24	-	-	50	-21.76

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

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	.1815	31.46	Qp	0	.1	10.1	41.66	64.42	-22.76	-	-
14	.1815	20.5	Ca	0	.1	10.1	30.7	-	-	54.42	-23.72
15	.24225	25.21	Qp	0	.1	10.1	35.41	62.02	-26.61	-	-
16	.24225	13.21	Ca	0	.1	10.1	23.41	-	-	52.02	-28.61
17	.303	18.93	Qp	0	.1	10.1	29.13	60.16	-31.03	-	-
18	.303	5.25	Ca	0	.1	10.1	15.45	-	-	50.16	-34.71
19	.6225	25.68	Qp	0	.1	10.1	35.88	56	-20.12	-	-
20	.6225	20.8	Ca	0	.1	10.1	31	-	-	46	-15
21	1.24575	27.13	Qp	0	.1	10.1	37.33	56	-18.67	-	-
22	1.24575	20.06	Ca	0	.1	10.1	30.26	-	-	46	-15.74
23	14.83575	21.84	Qp	.1	.2	10.2	32.34	60	-27.66	-	-
24	14.847	13.68	Ca	.1	.2	10.2	24.18	-	-	50	-25.82

Qp - Quasi-Peak detector

Ca - CISPR average detection