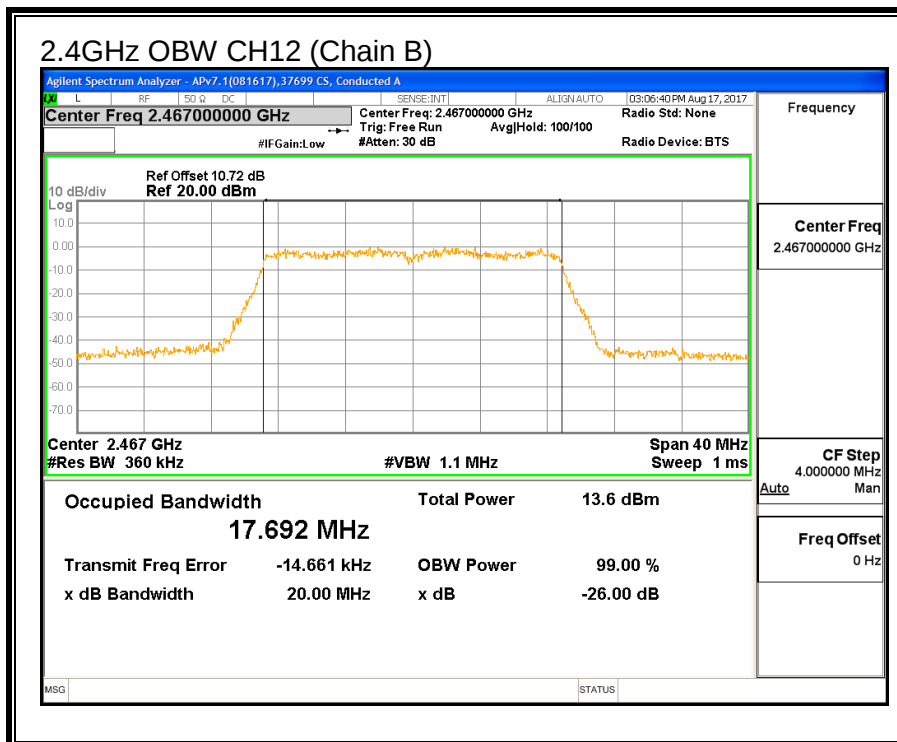
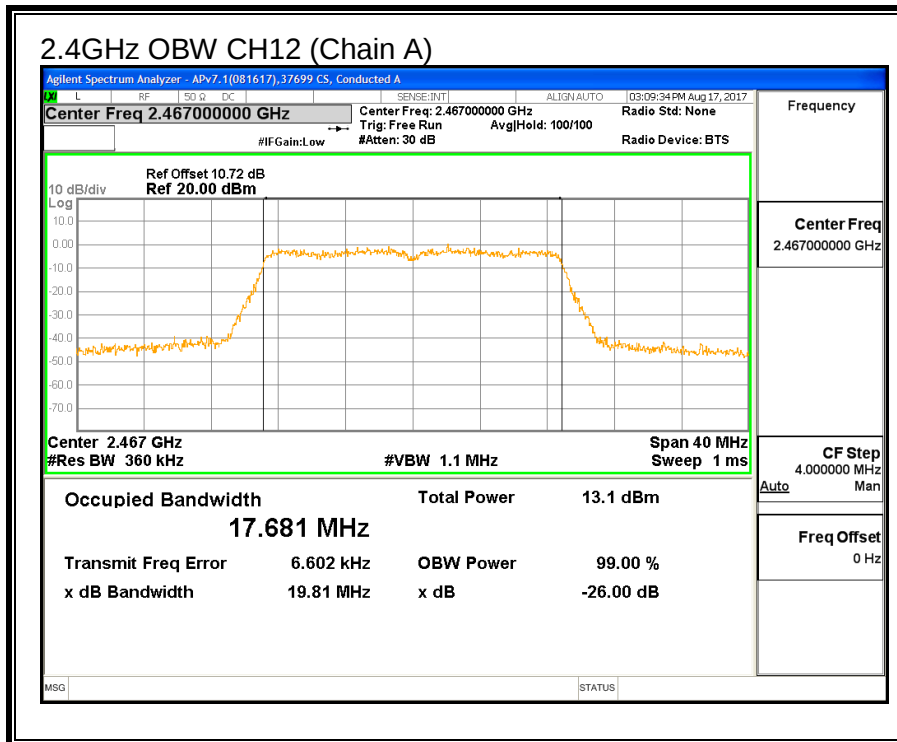
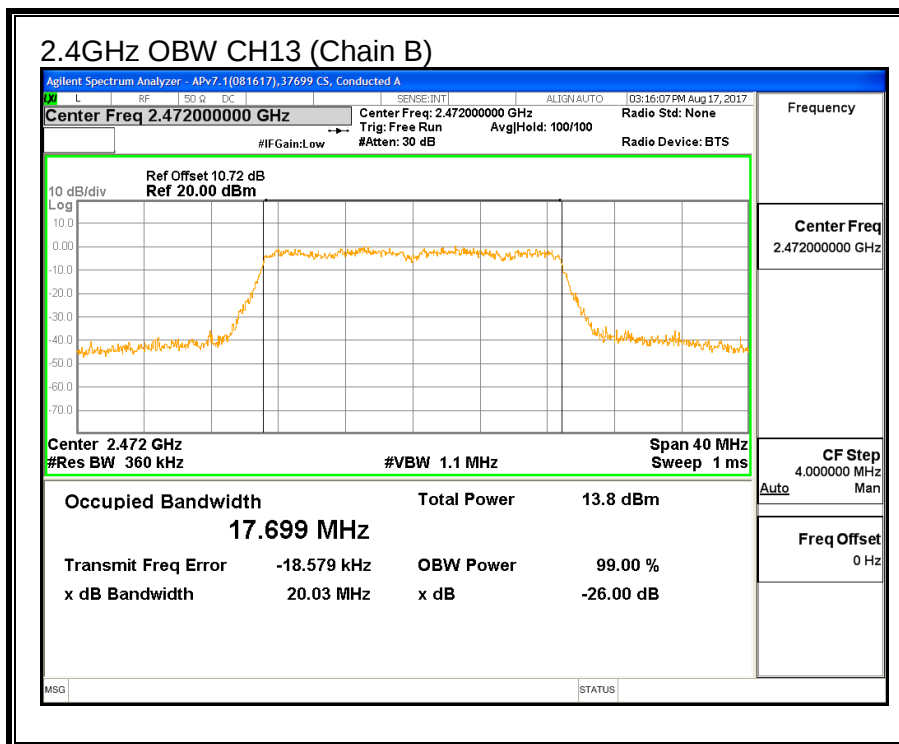
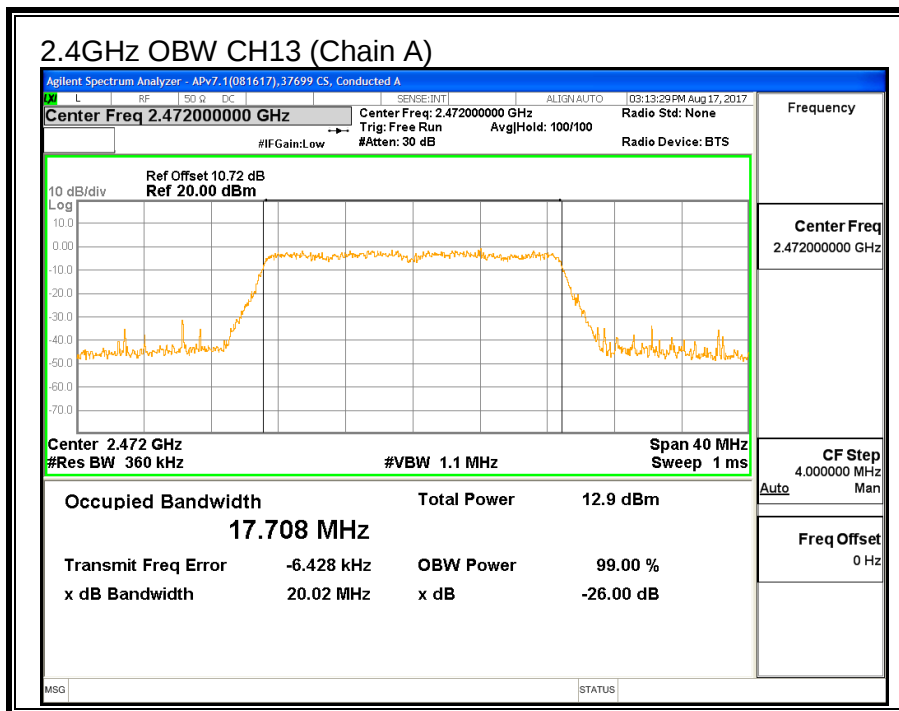






9.4.3. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.7 dB (including 10 dB pad and 10.7 dB cable) was entered as an offset in the power meter to allow for a gated reading of power.

RESULTS

ID:	37699	Date:	08/11/17
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Channel	Frequency (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Total Power (dBm)
Low_1	2412	9.84	9.96	12.91
Low_2	2417	13.51	12.61	16.09
Mid	2437	13.03	12.87	15.96
High_11	2462	12.32	11.44	14.91
High_12	2467	7.79	8.09	10.95
High_13	2472	7.85	8.01	10.94

9.4.4. OUTPUT POWER

LIMITS

FCC §15.247 (b) (3)

IC RSS-247 (5.4) (d)

For systems using digital modulation in the 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

KDB 558074 D01 v04Section 9.2.3.2

DIRECTIONAL ANTENNA GAIN

Tx chains are uncorrelated due to the device supporting CDD in all MIMO modes. The directional gain is:

Chain A Antenna Gain (dBi)	Chain B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
2.58	3.26	2.93

RESULTS

ID:	37699	Date:	08/11/17
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Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
CH1	2412	2.93	30.00	30	36	30.00
CH2	2417	2.93	30.00	30	36	30.00
CH6	2437	2.93	30.00	30	36	30.00
CH11	2462	2.93	30.00	30	36	30.00
CH12	2467	2.93	30.00	30	36	30.00
CH13	2472	2.93	30.00	30	36	30.00

Results

Channel	Frequency (MHz)	Chain A Meas Power (dBm)	Chain B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
CH1	2412	18.17	18.51	21.35	30.00	-8.65
CH2	2417	22.54	21.61	25.11	30.00	-4.89
CH6	2437	22.04	22.31	25.19	30.00	-4.81
CH11	2462	20.88	19.97	23.46	30.00	-6.54
CH12	2467	16.96	17.37	20.18	30.00	-9.82
CH13	2472	16.56	17.12	19.86	30.00	-10.14

9.4.5. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)

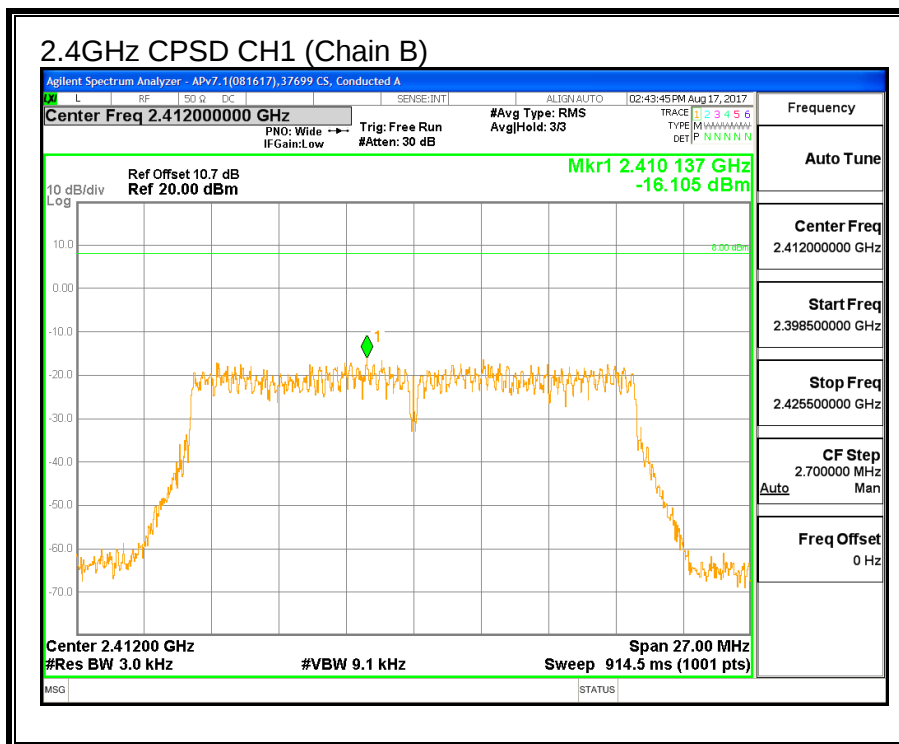
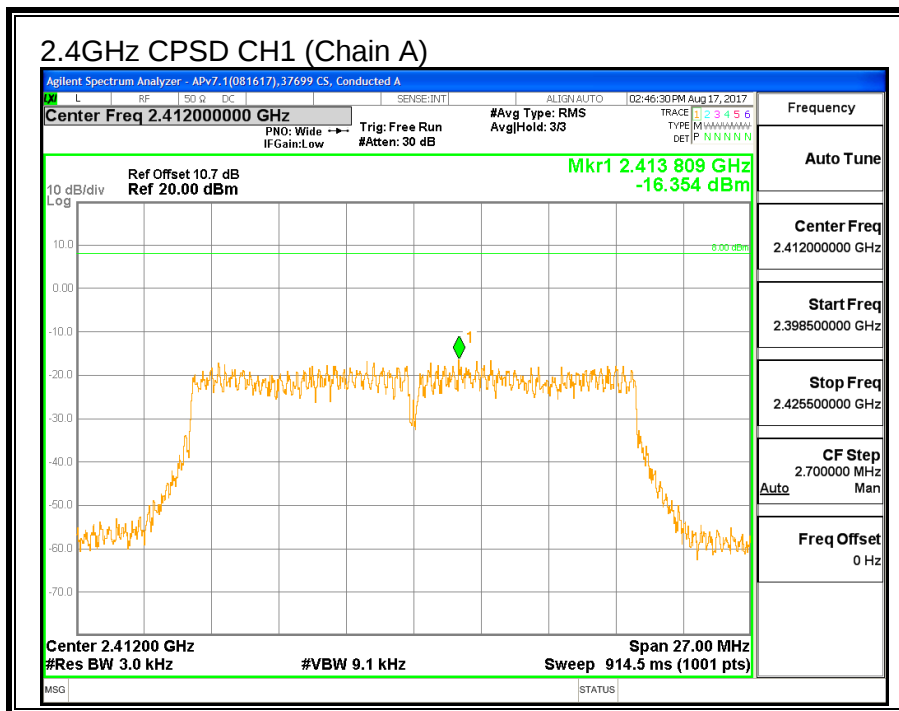
IC RSS-247 (5.2) (b)

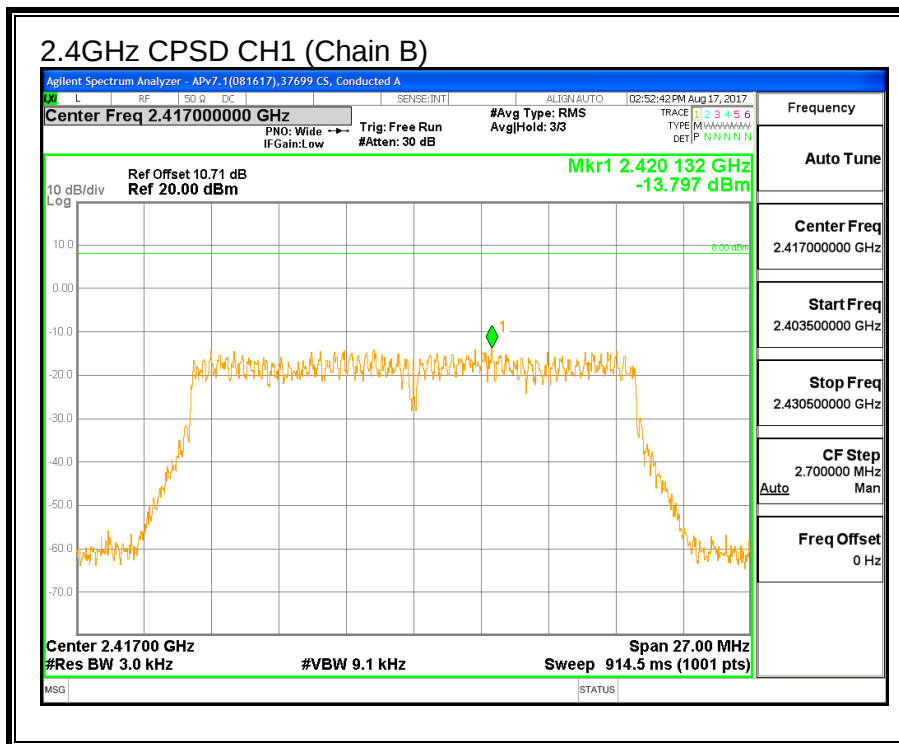
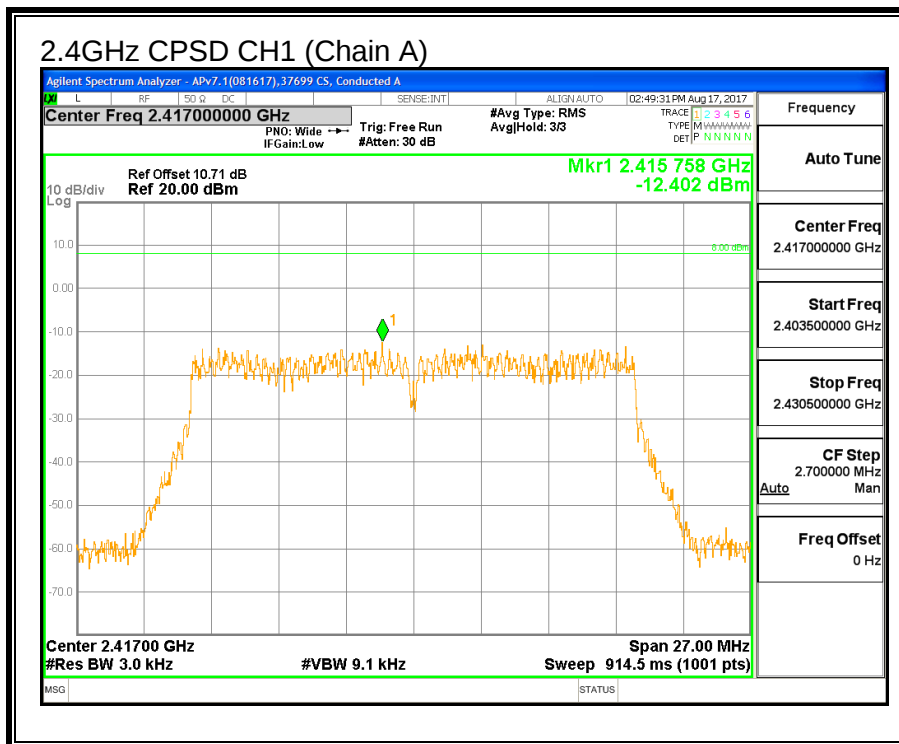
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 KHz band during any time interval of continuous transmissions.

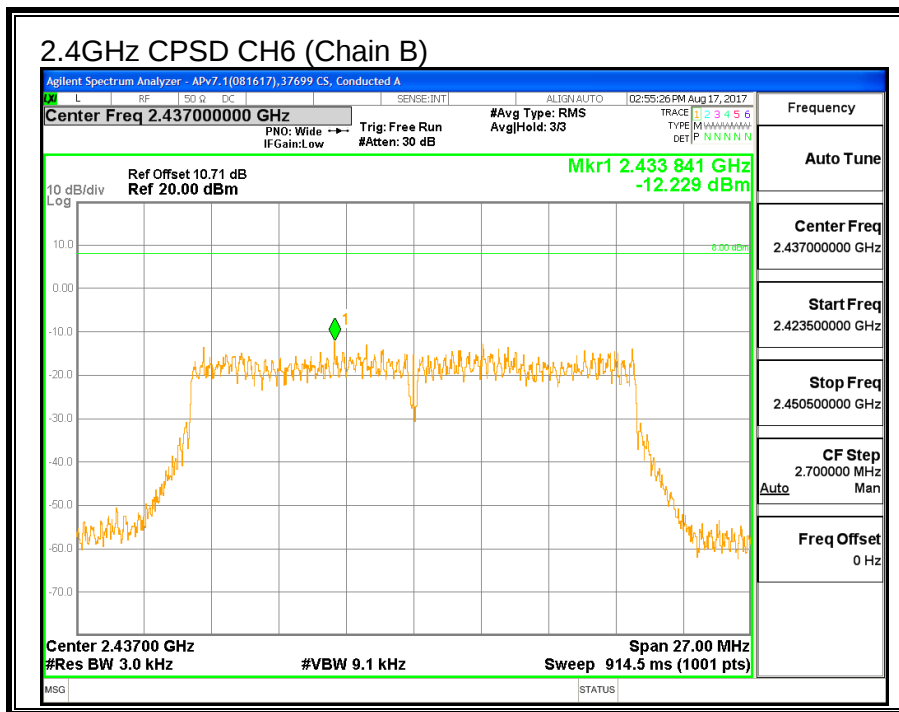
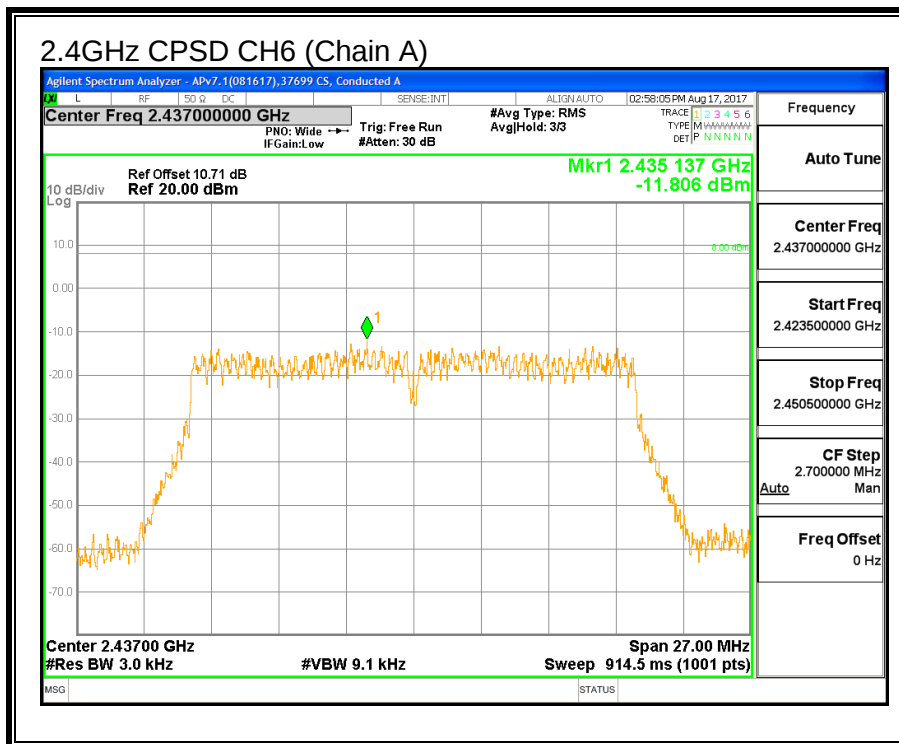
RESULTS

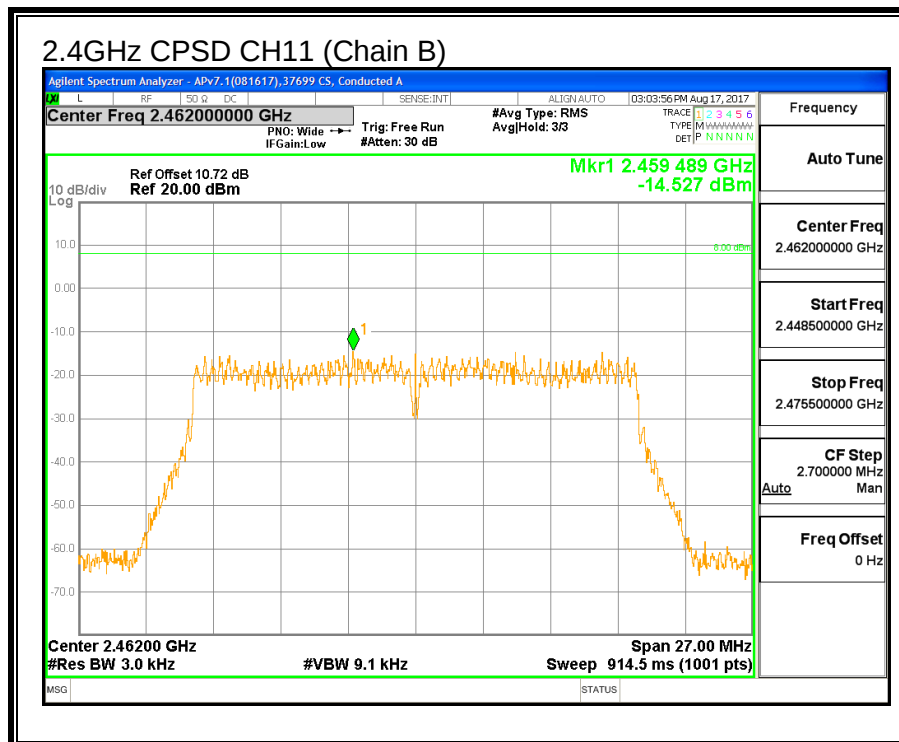
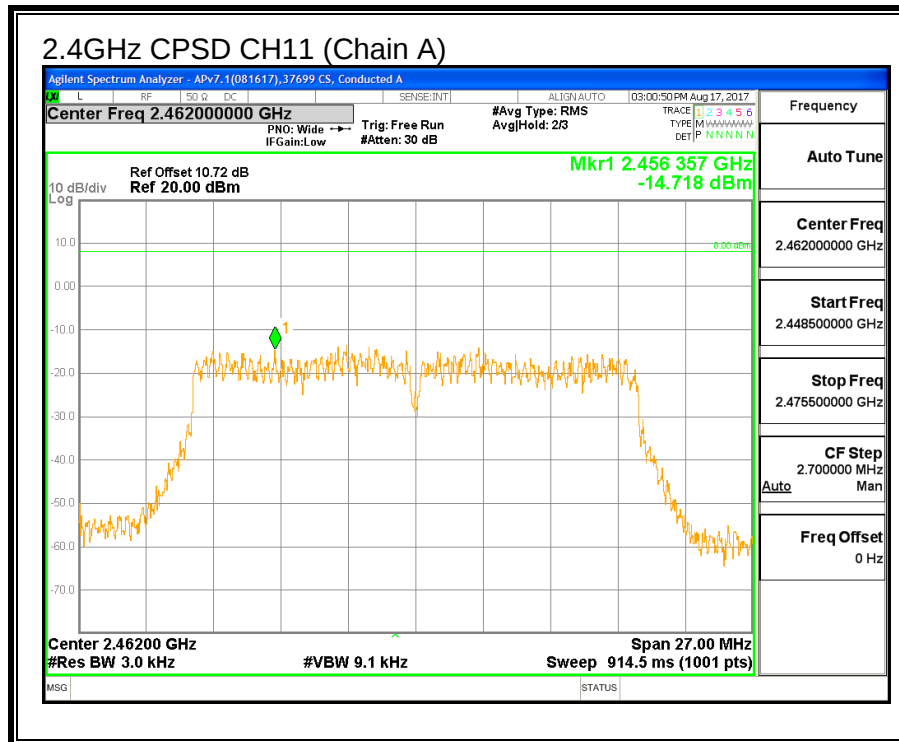
PSD Results

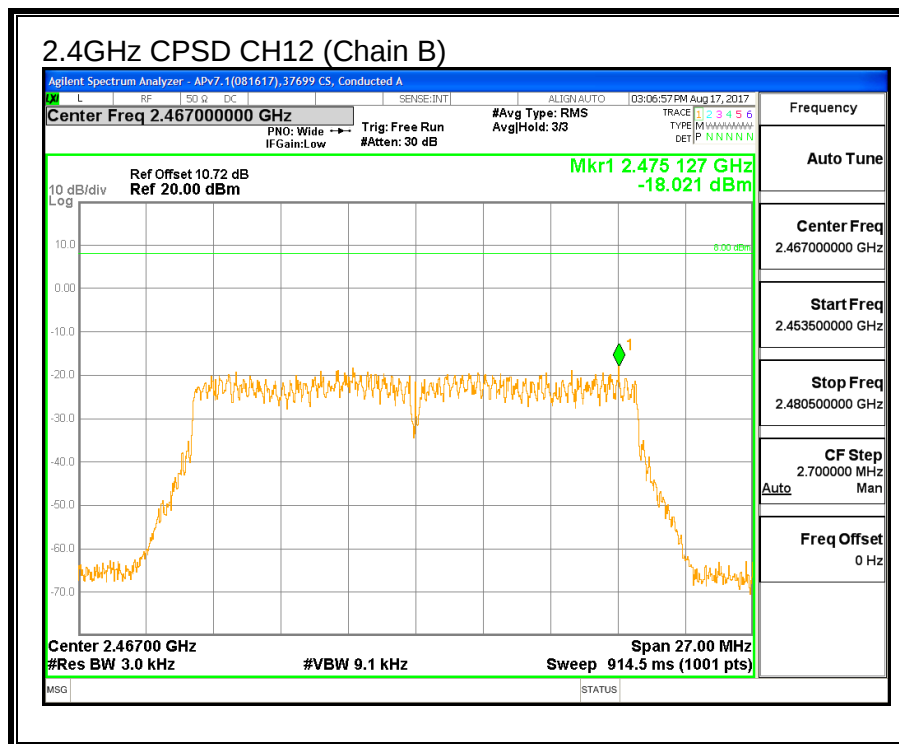
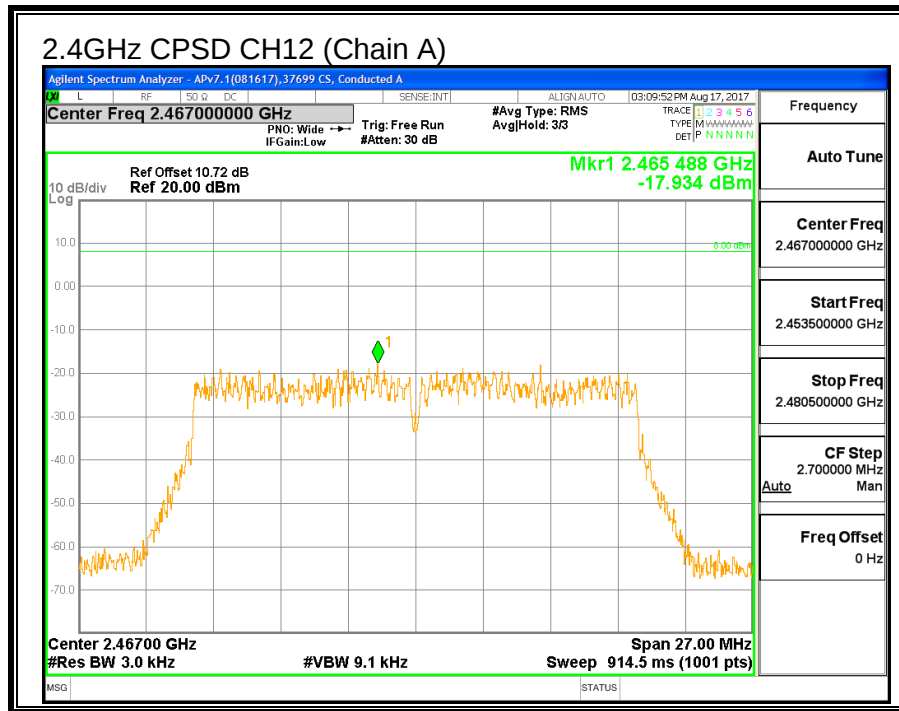
Channel	Frequency (MHz)	Chain A Meas (dBm/3kHz)	Chain B Meas (dBm/3kHz)	Total Corr'd PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
CH1	2412	-16.35	-16.11	-13.22	8.0	-21.2
CH3	2417	-12.40	-13.80	-10.03	8.0	-18.0
CH6	2437	-11.81	-12.23	-9.00	8.0	-17.0
CH11	2462	-14.72	-14.53	-11.61	8.0	-19.6
CH12	2467	-17.93	-18.02	-14.97	8.0	-23.0
CH13	2472	-17.34	-18.42	-14.84	8.0	-22.8

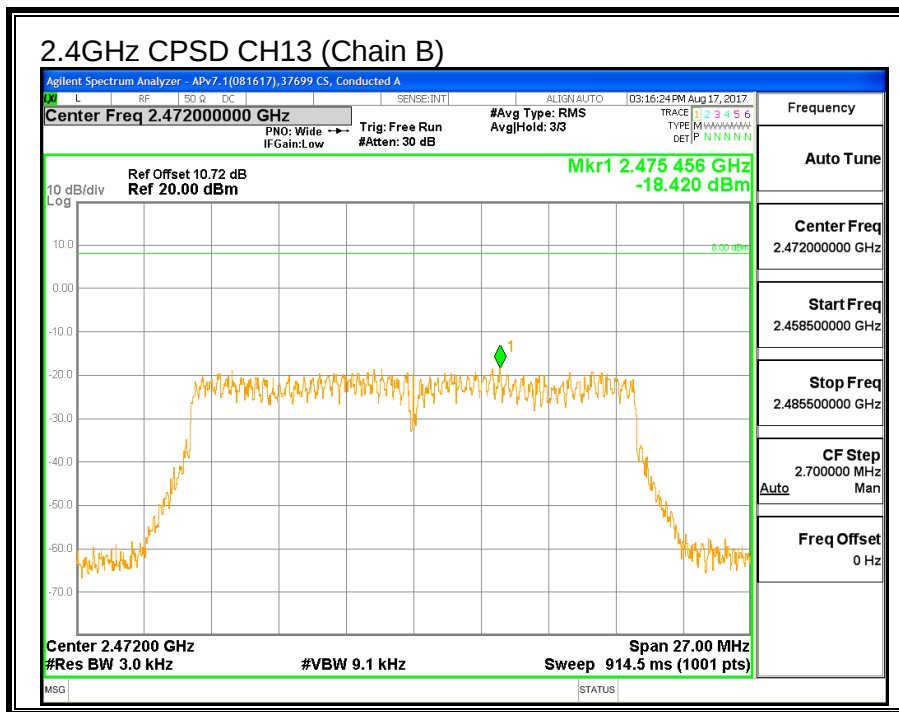
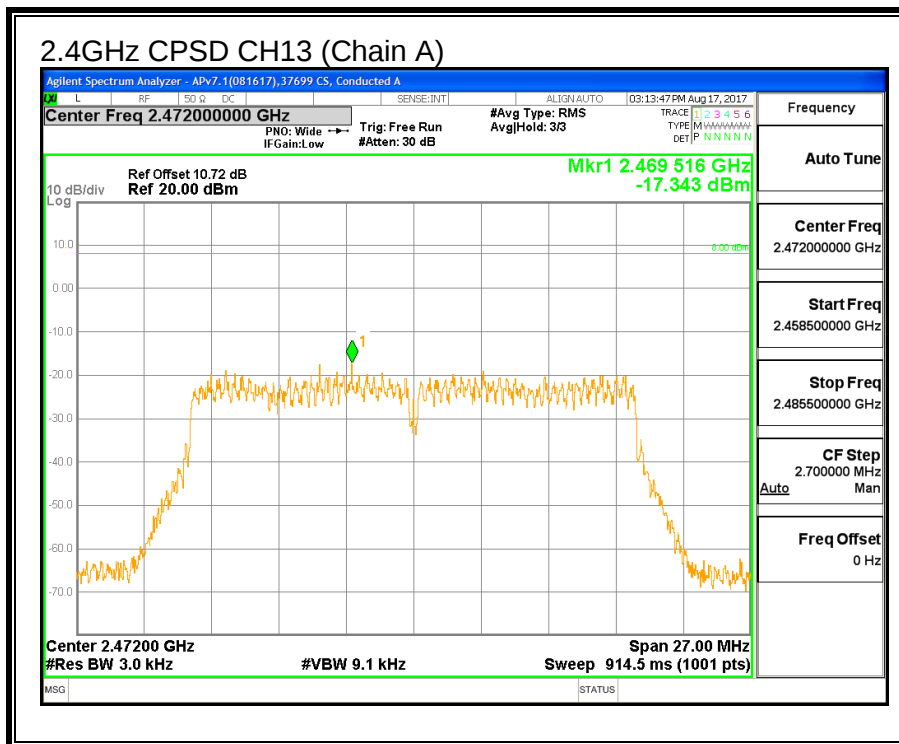












9.4.6. CONDUCTED BANDEDGE AND SPURIOUS EMISSIONS

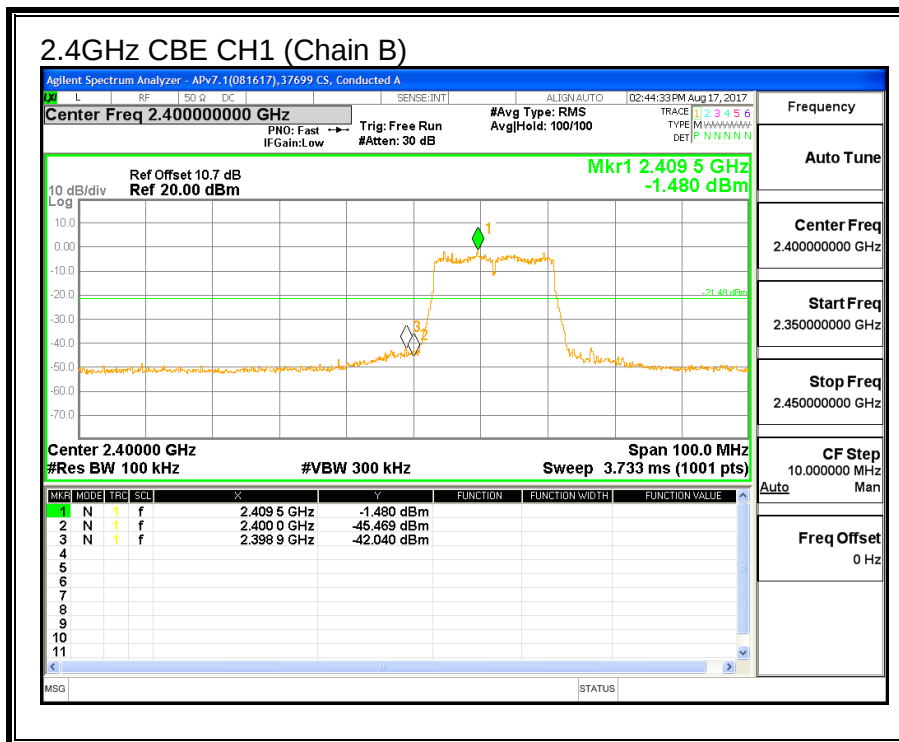
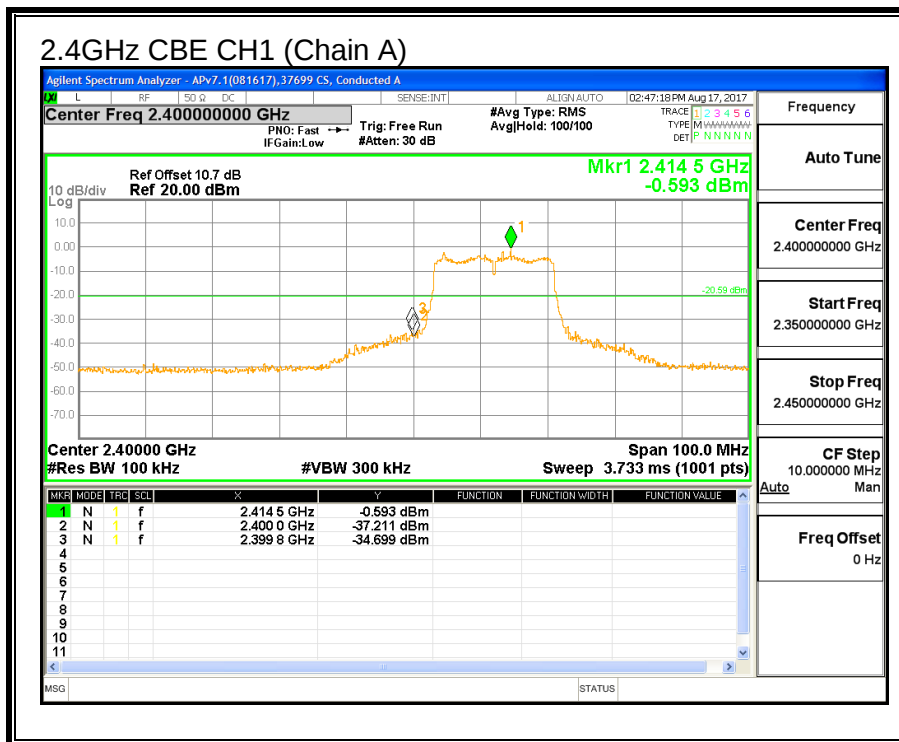
LIMITS

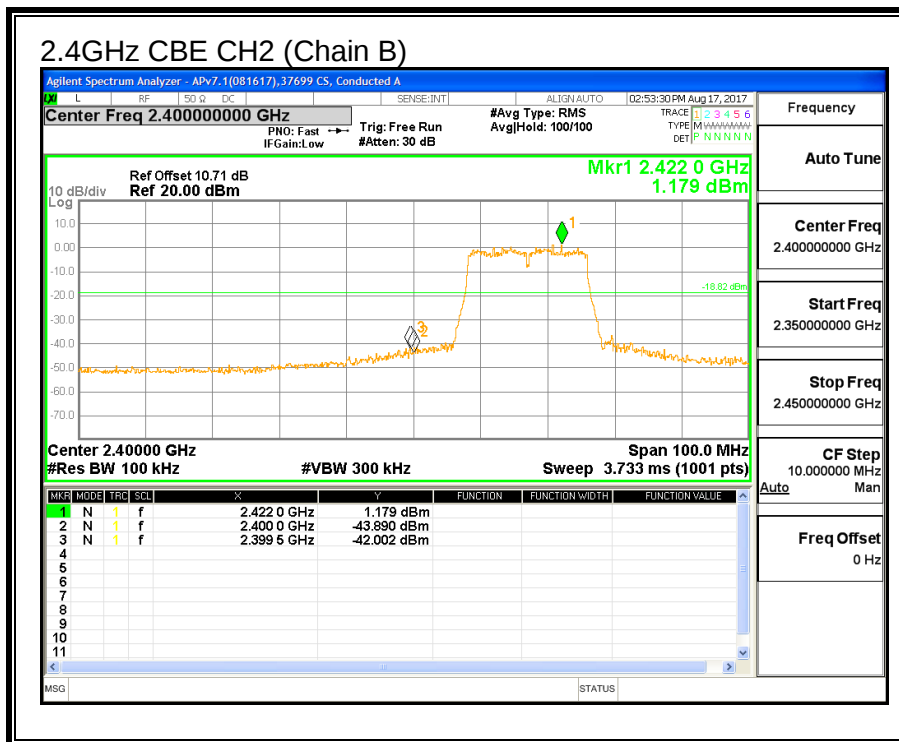
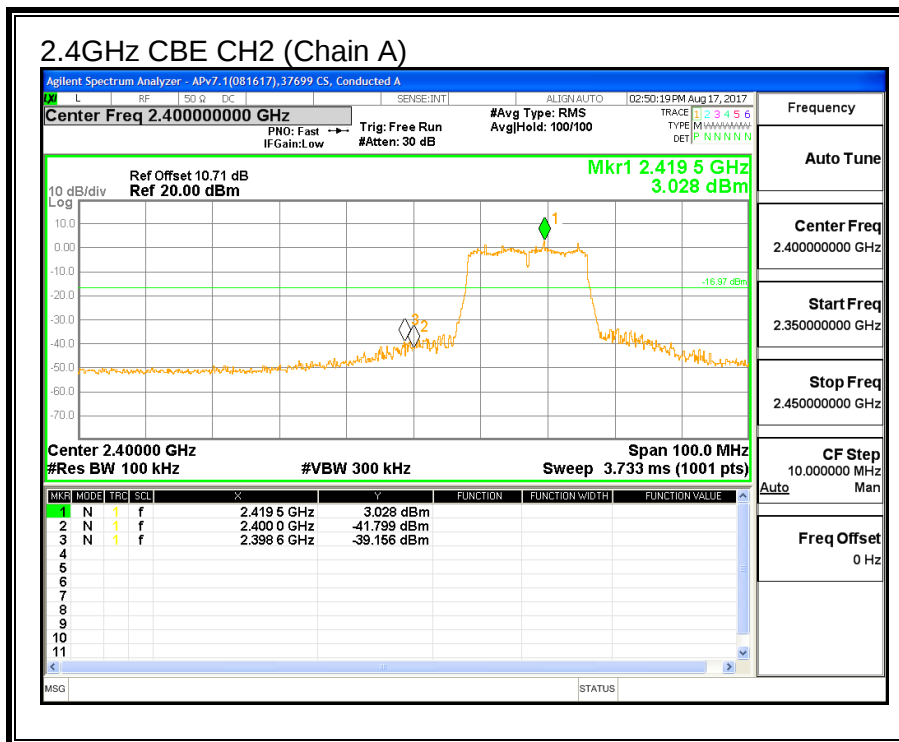
FCC §15.247 (d)

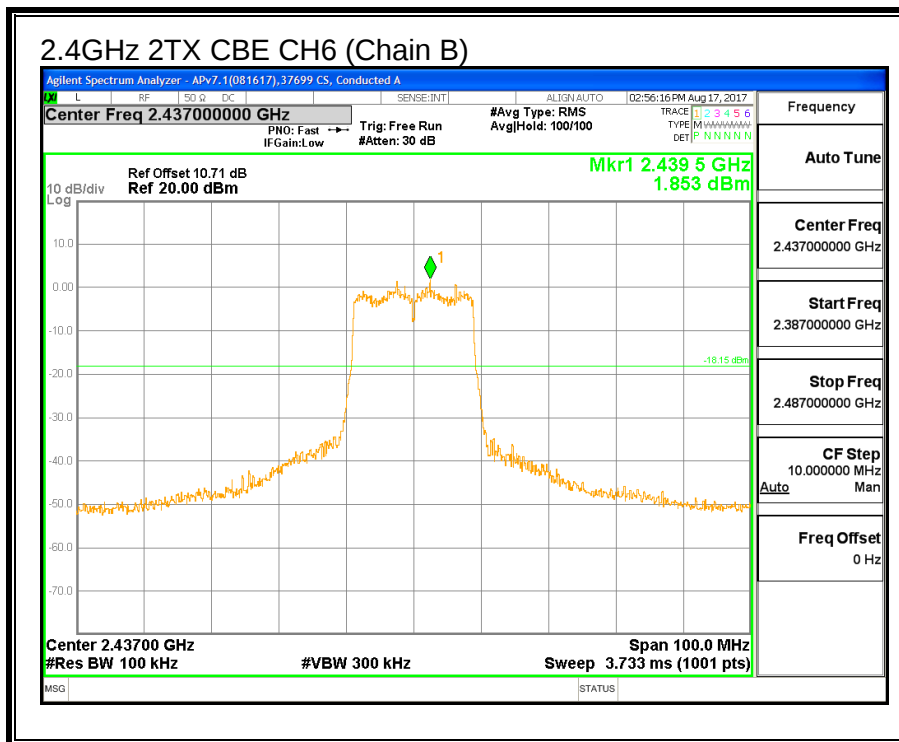
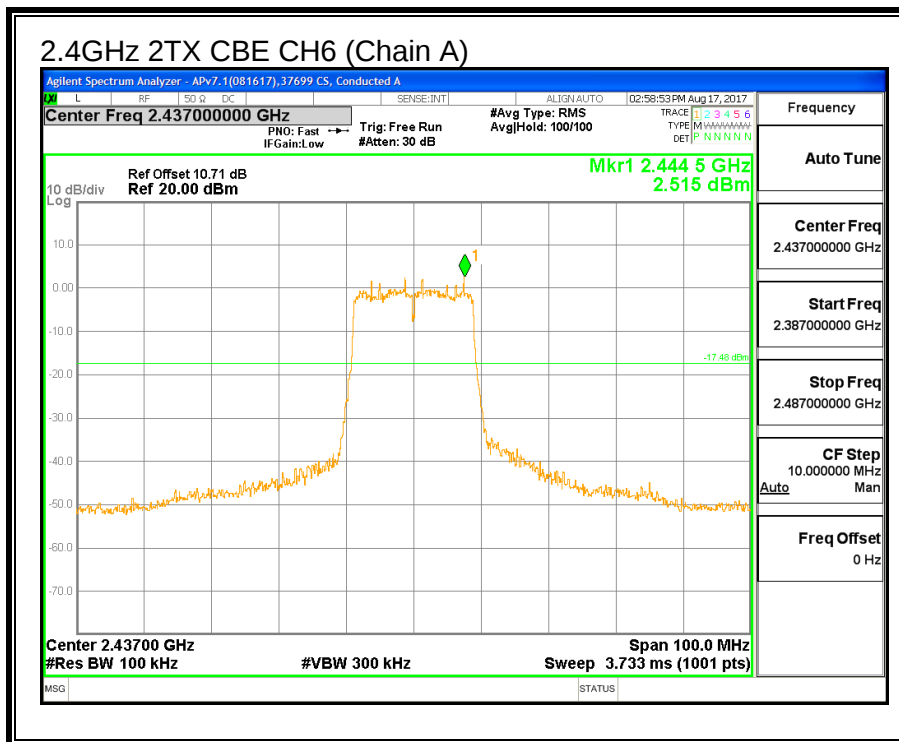
IC RSS-247 5.5

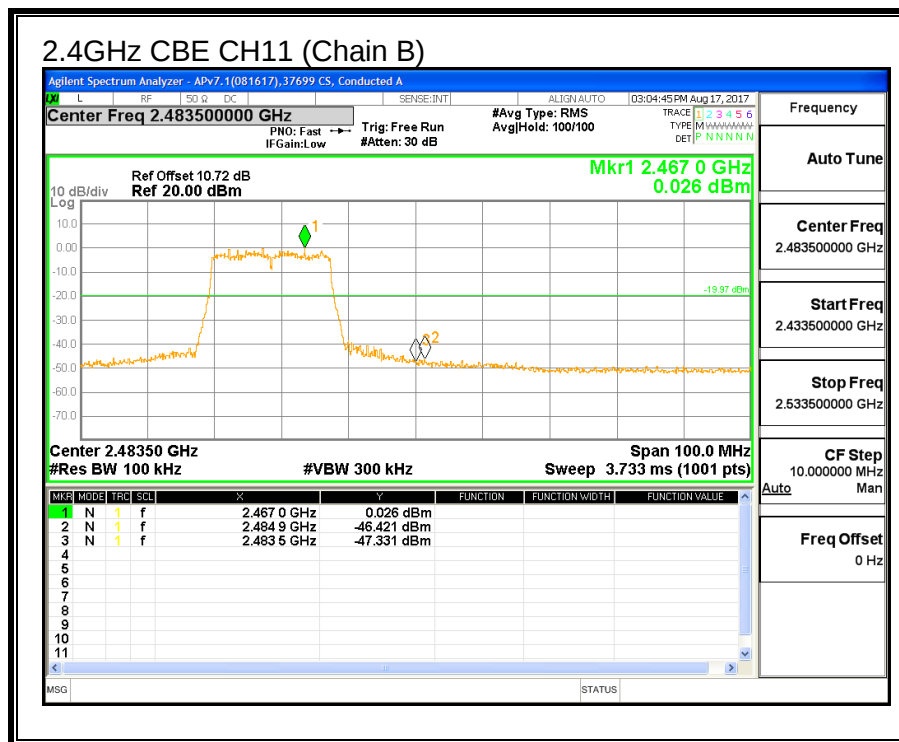
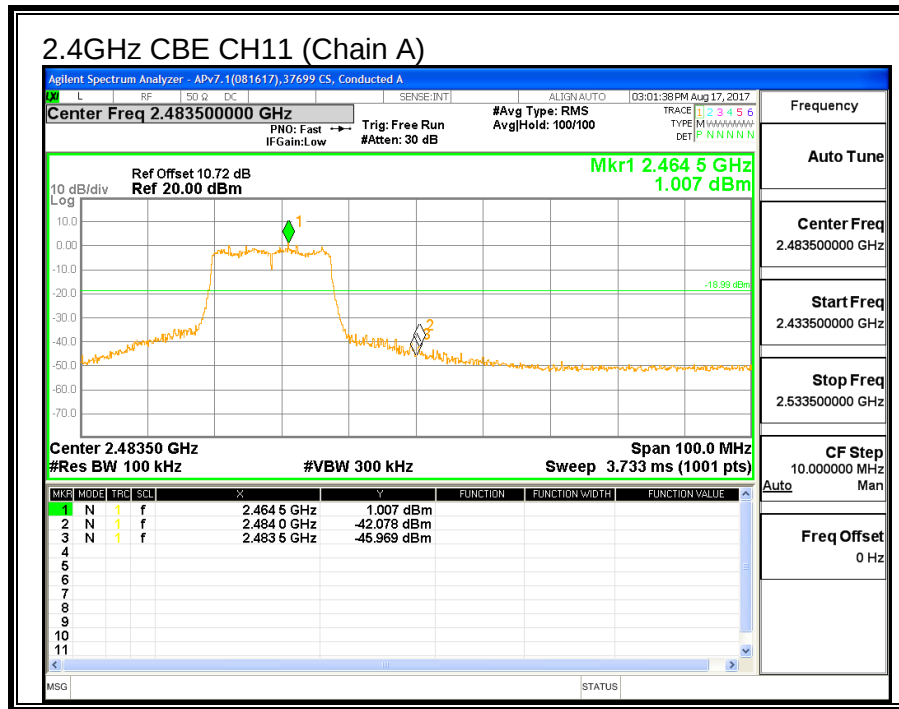
Output power was measured based on the use of peak measurement, therefore the required attenuation is 20 dB.

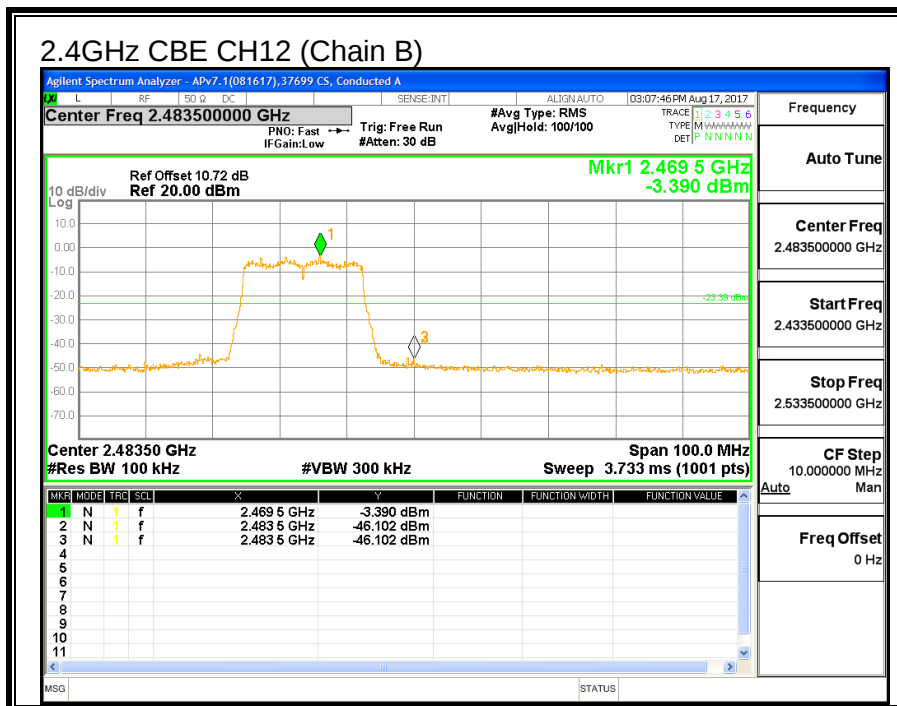
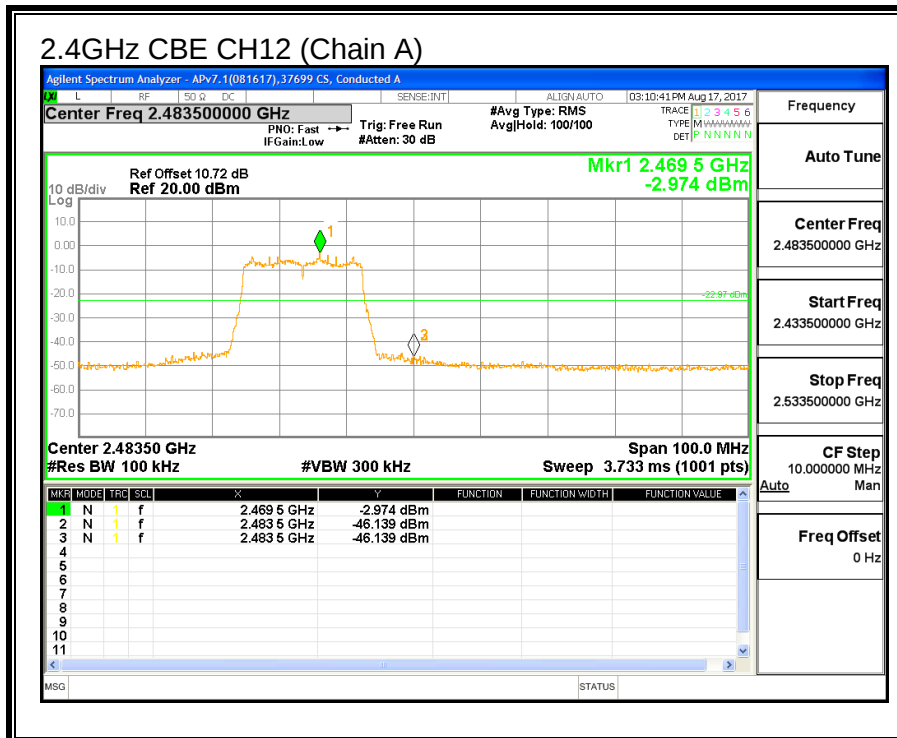
RESULTS

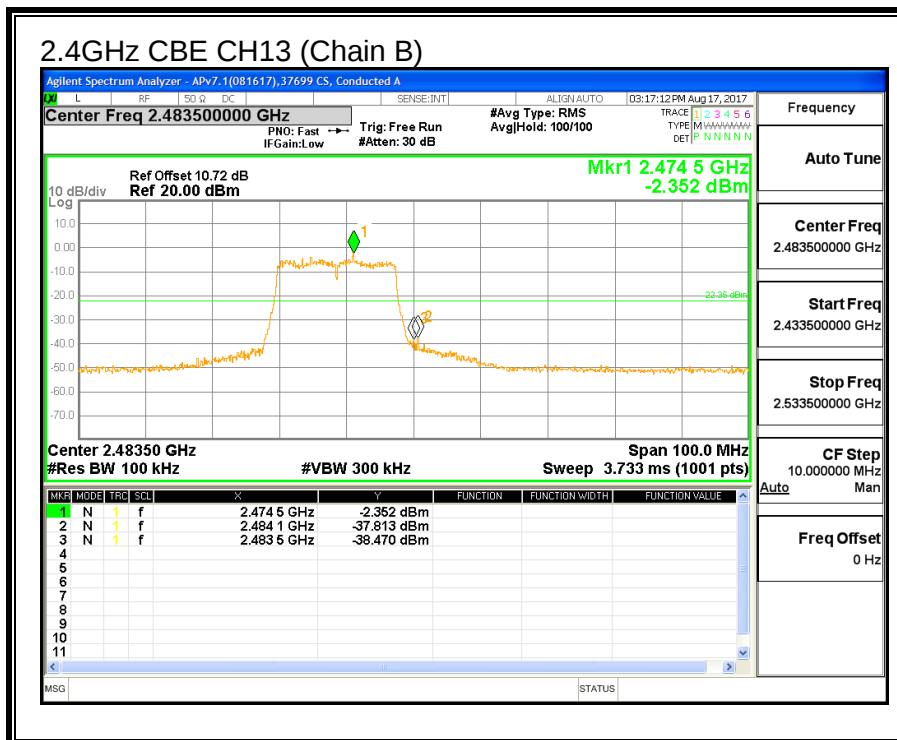
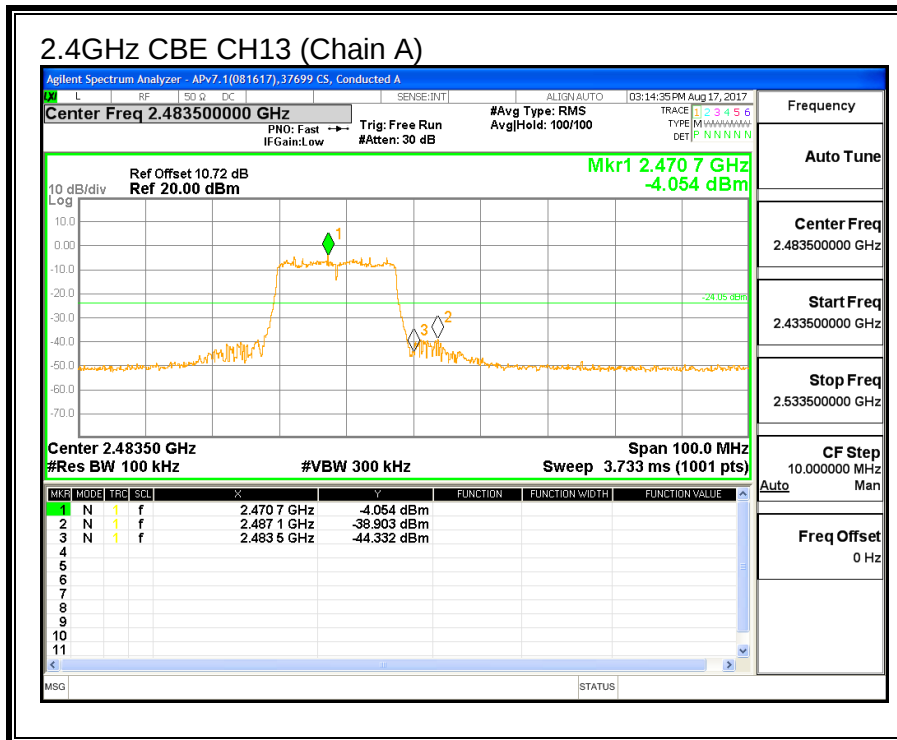


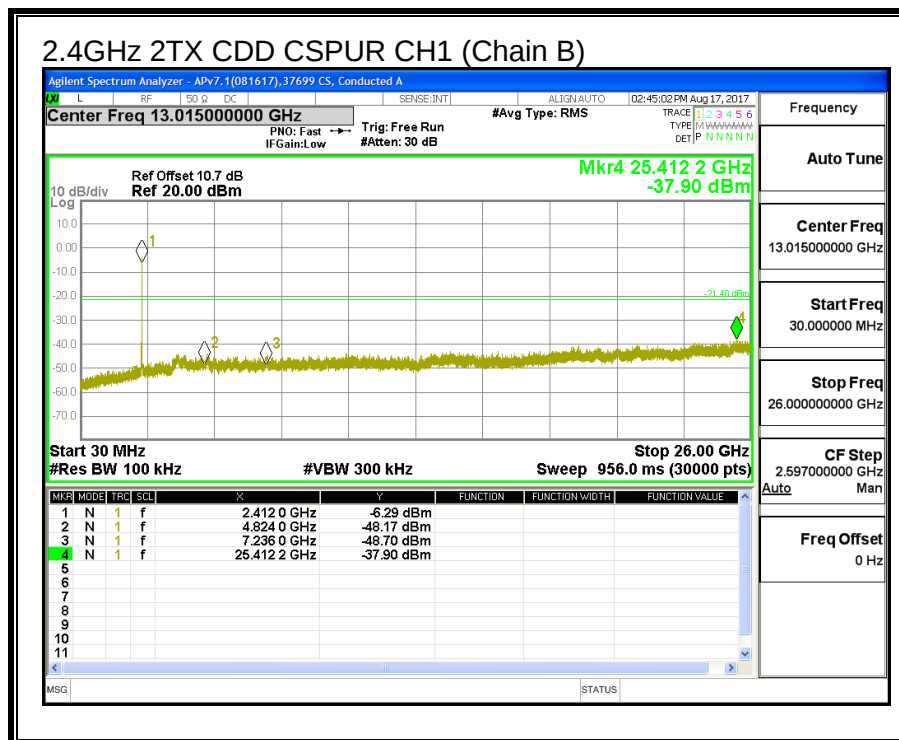
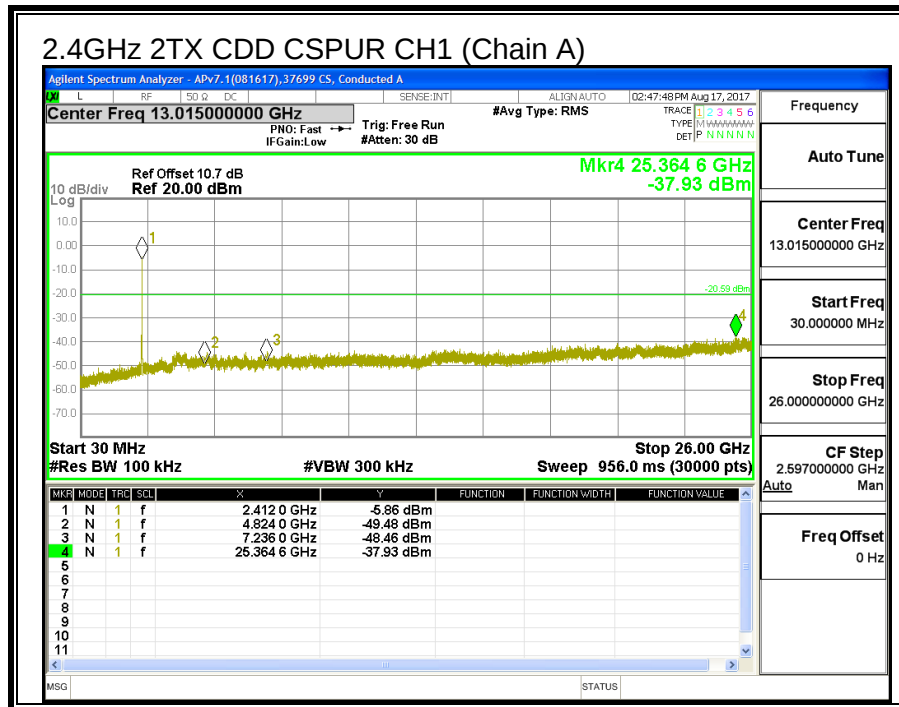


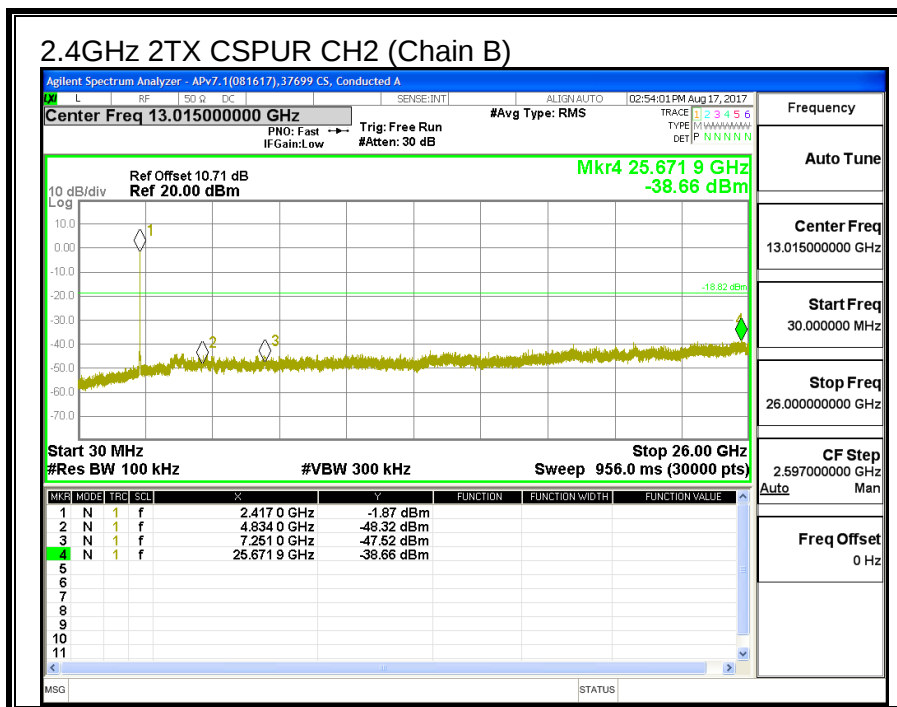
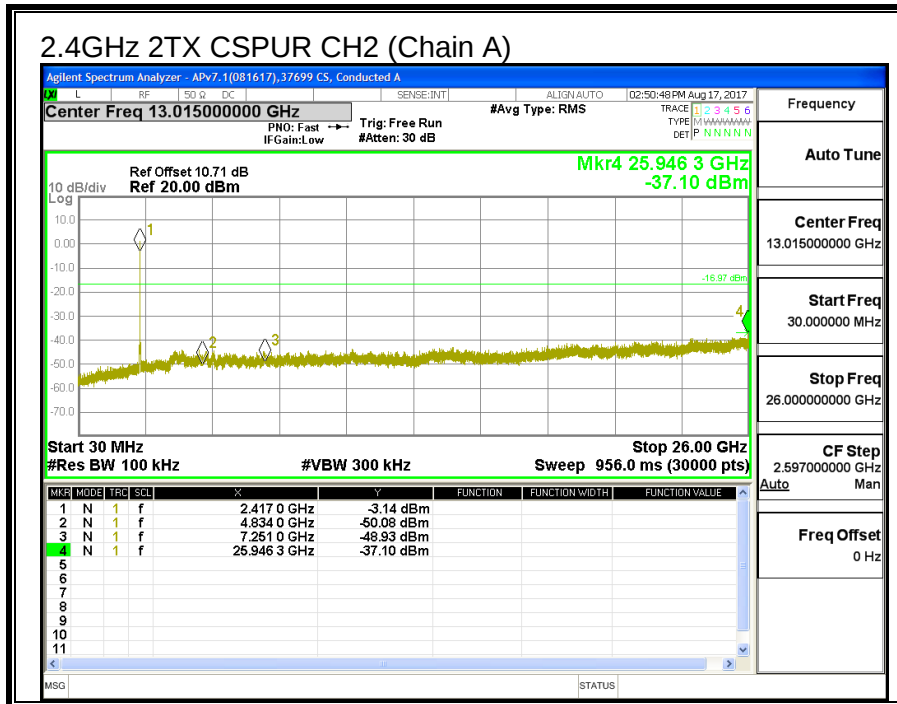


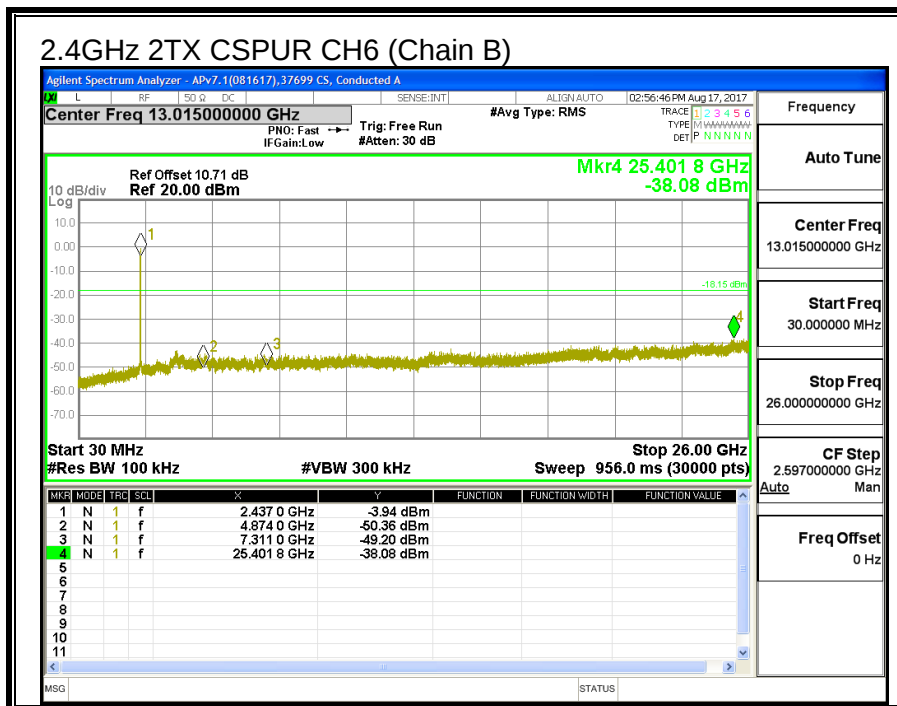
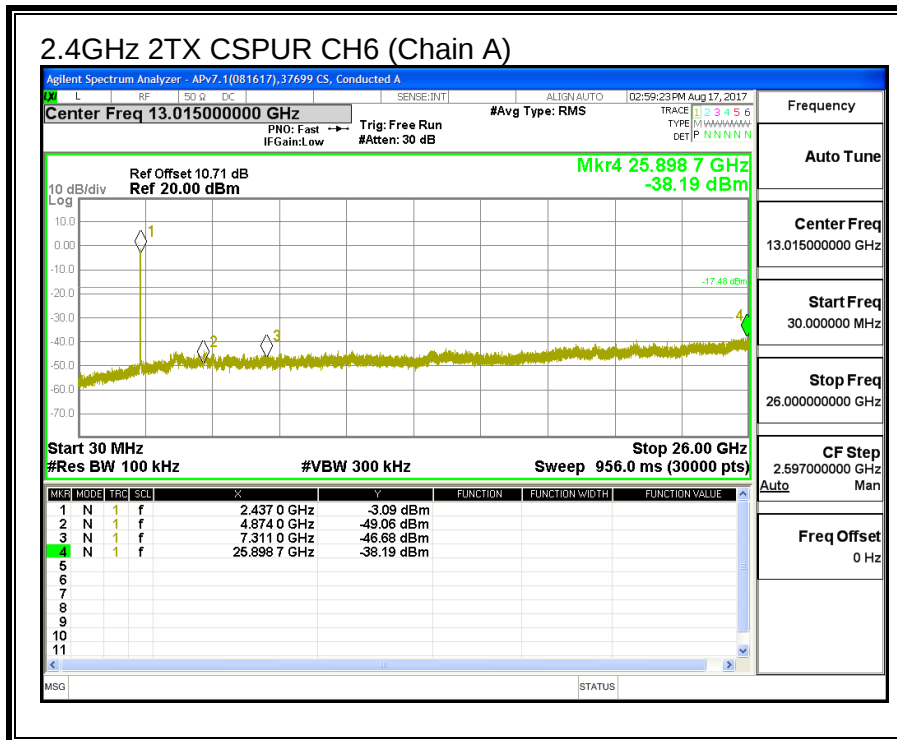


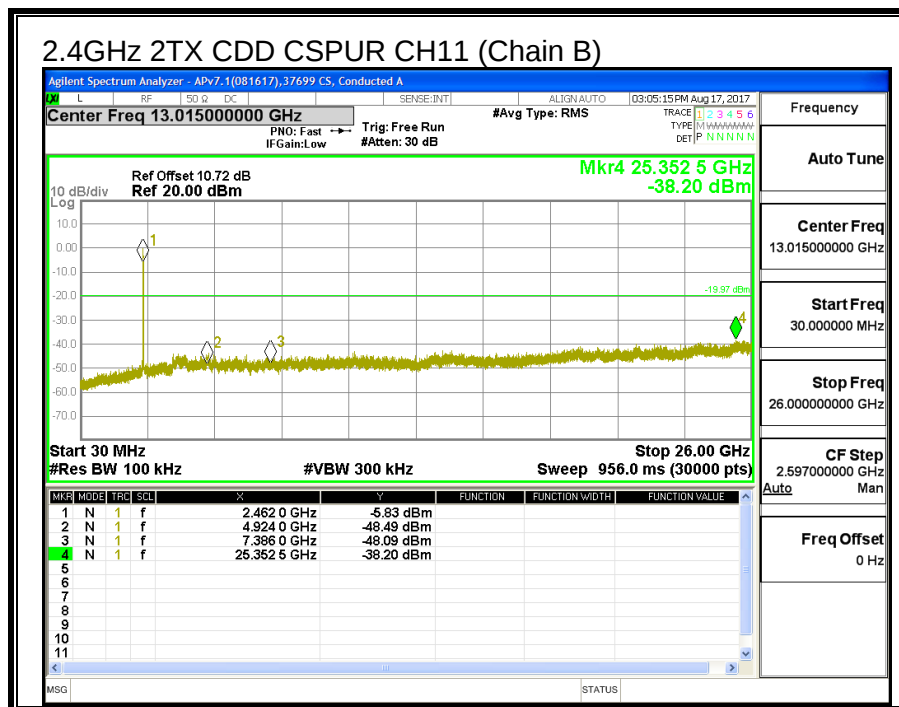
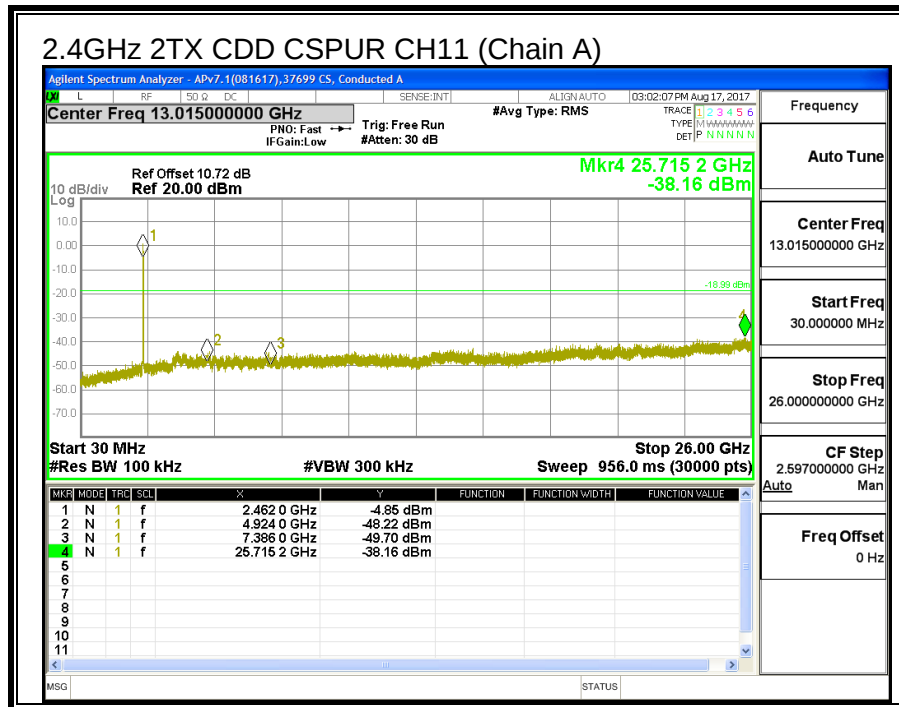


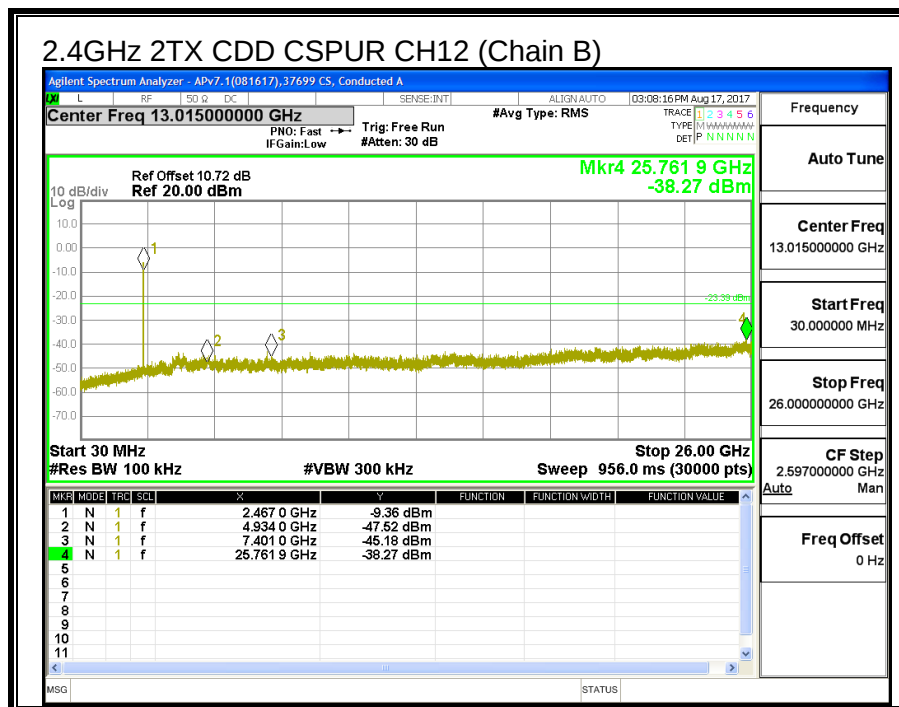
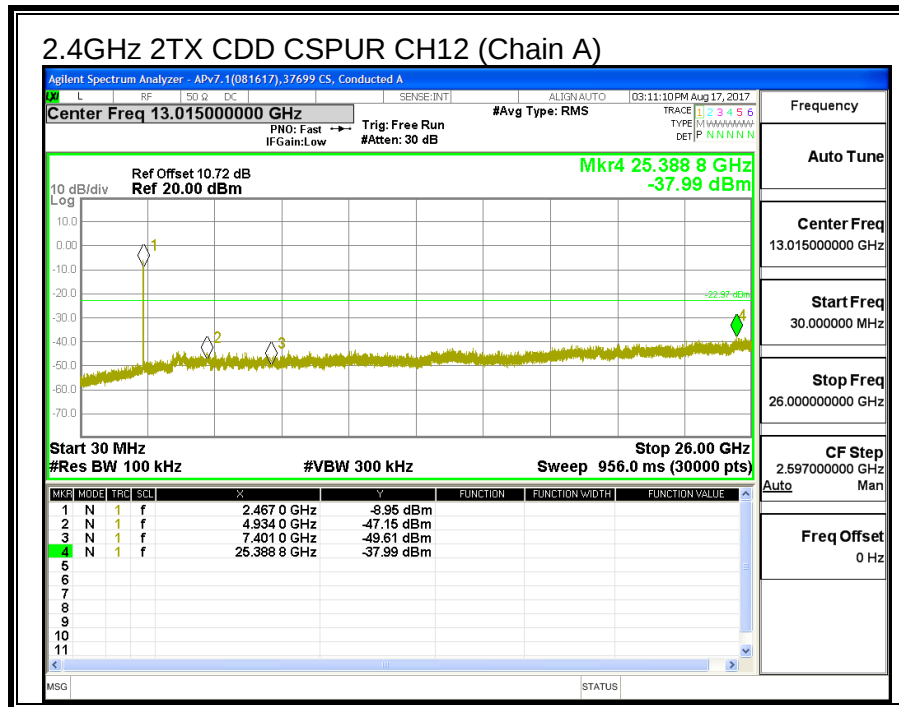


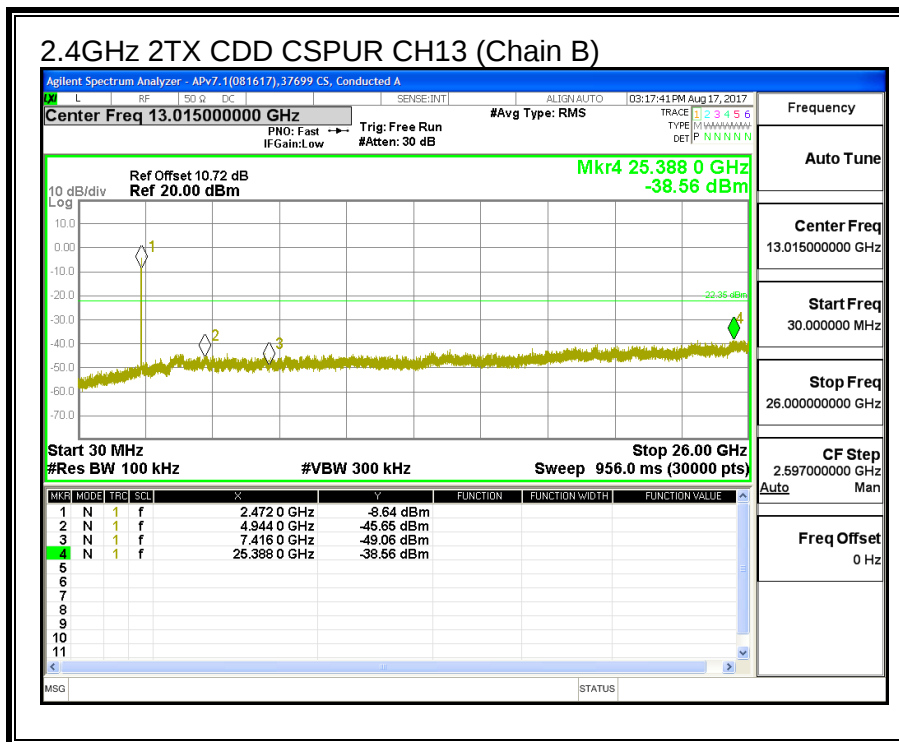
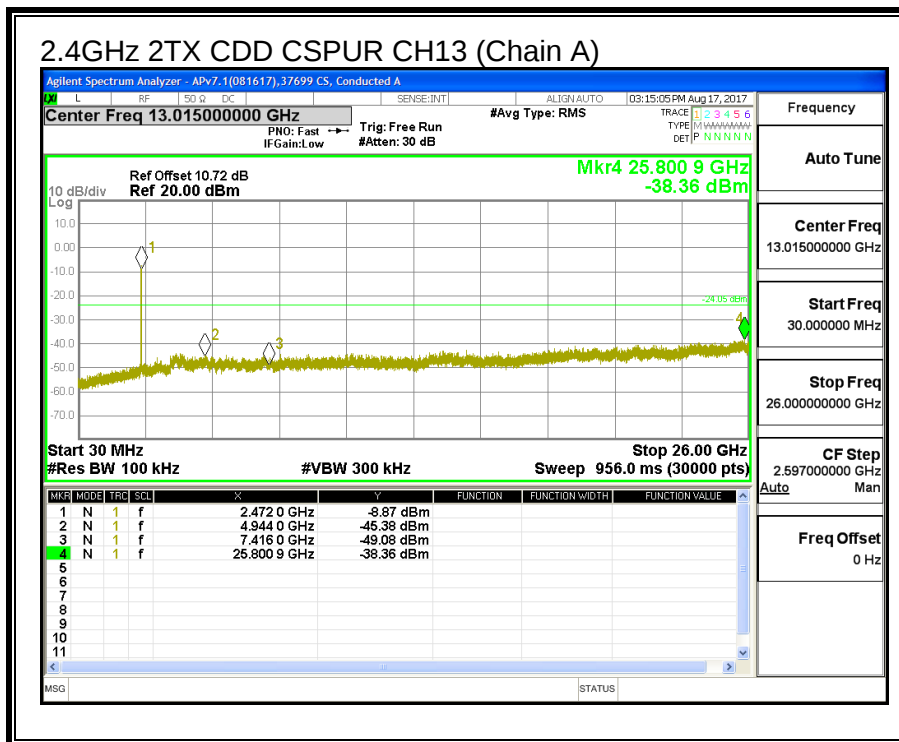












10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC RSS-GEN, Section 8.9 and 8.10.

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

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

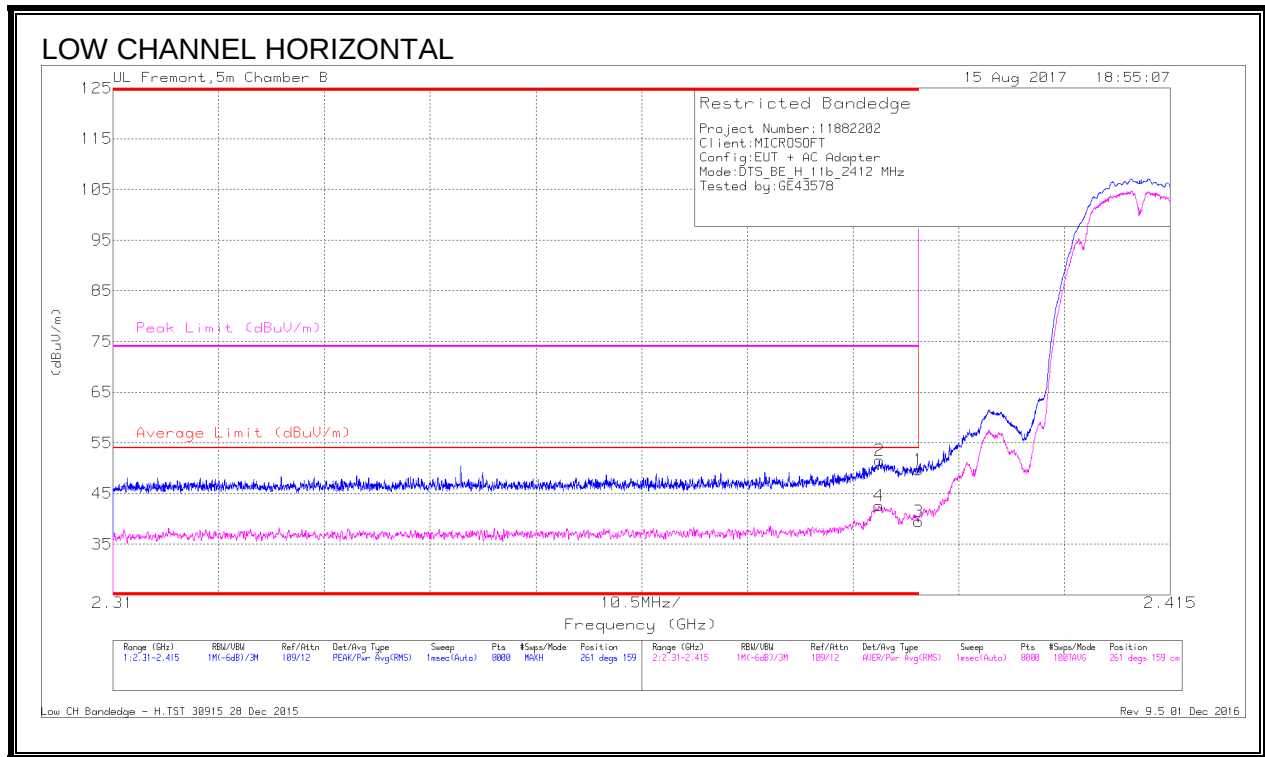
The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1 11b MIMO MODE IN THE 2.4GHz BAND

BANDEDGE (LOW CHANNEL, CH 1)



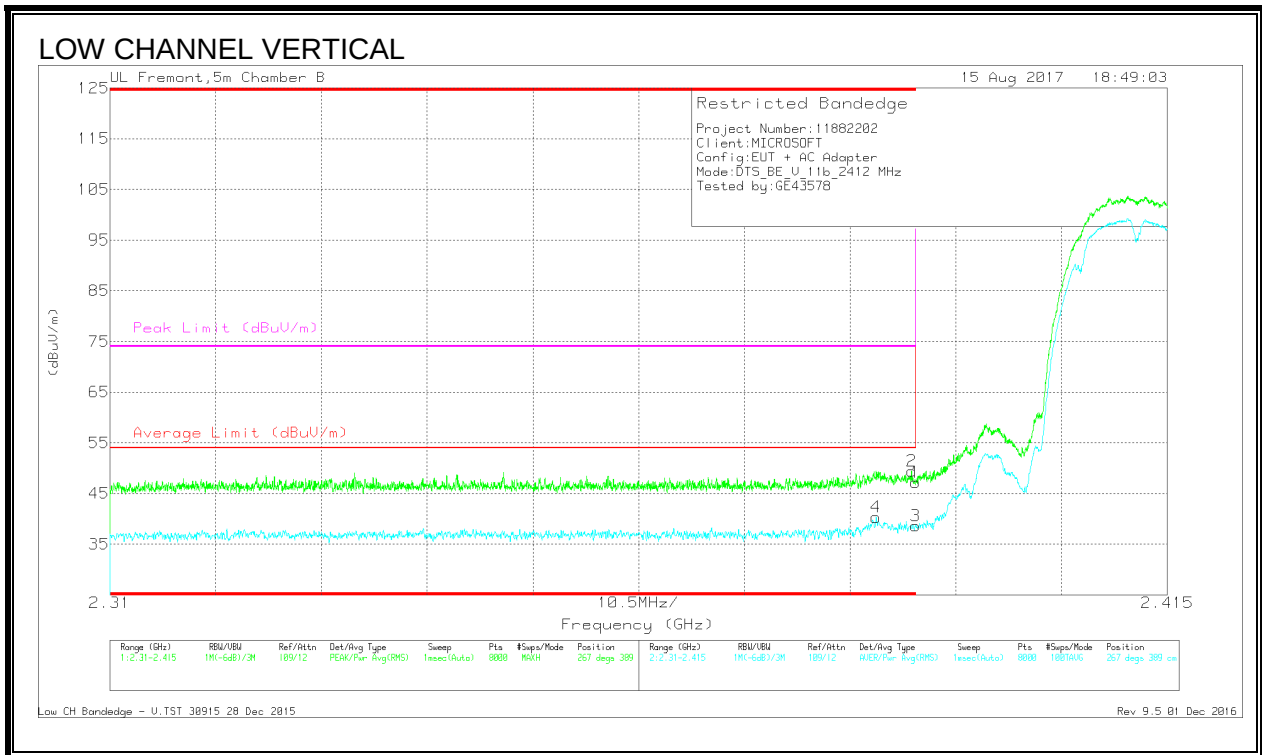
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	* 2.39	38.92	Pk	32	-21.2	0	49.72	-	-	74	-24.28	261	159	H
2	* 2.386	40.72	Pk	32	-21.2	0	51.52	-	-	74	-22.48	261	159	H
3	* 2.39	28.69	RMS	32	-21.2	0	39.49	54	-14.51	-	-	261	159	H
4	* 2.386	31.81	RMS	32	-21.2	0	42.61	54	-11.39	-	-	261	159	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

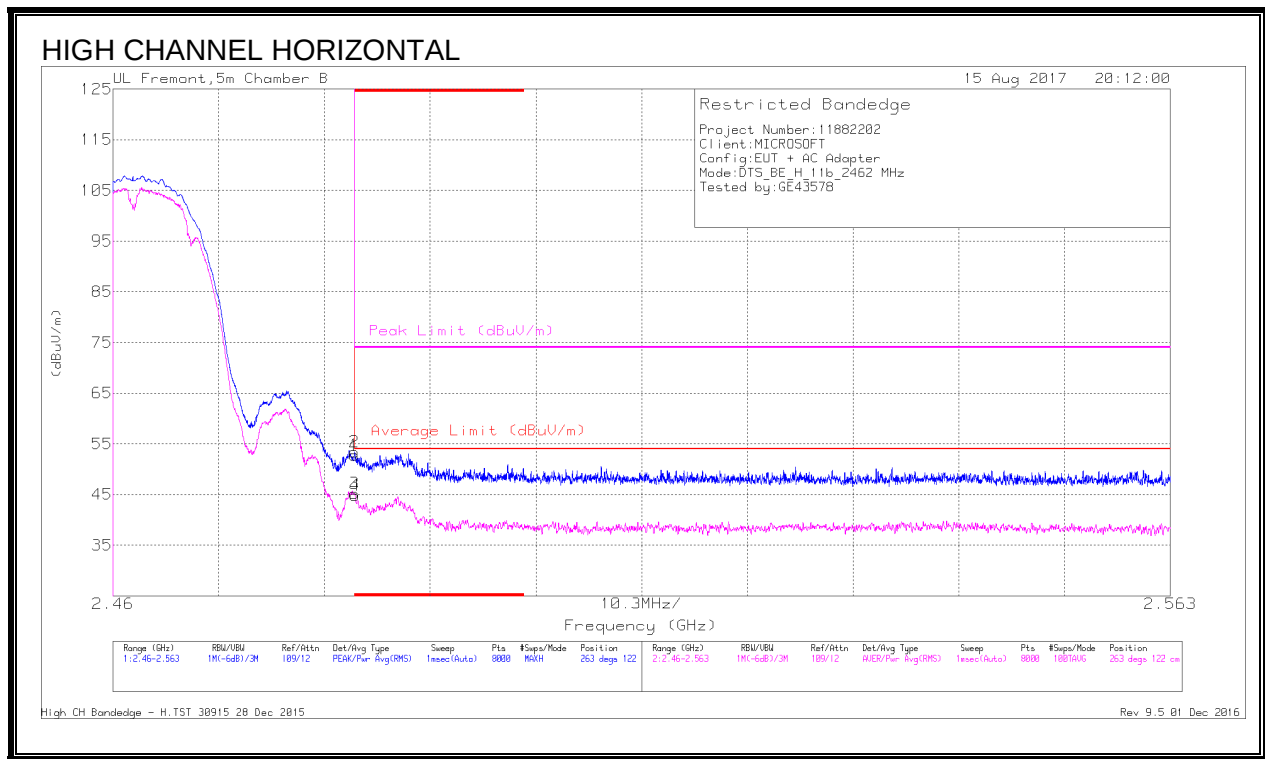
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	36.41	Pk	32	-21.2	0	47.21	-	-	74	-26.79	267	389	V
2	* 2.39	38.67	Pk	32	-21.2	0	49.47	-	-	74	-24.53	267	389	V
3	* 2.39	27.77	RMS	32	-21.2	0	38.57	54	-15.43	-	-	267	389	V
4	* 2.386	29.5	RMS	32	-21.2	0	40.3	54	-13.7	-	-	267	389	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)



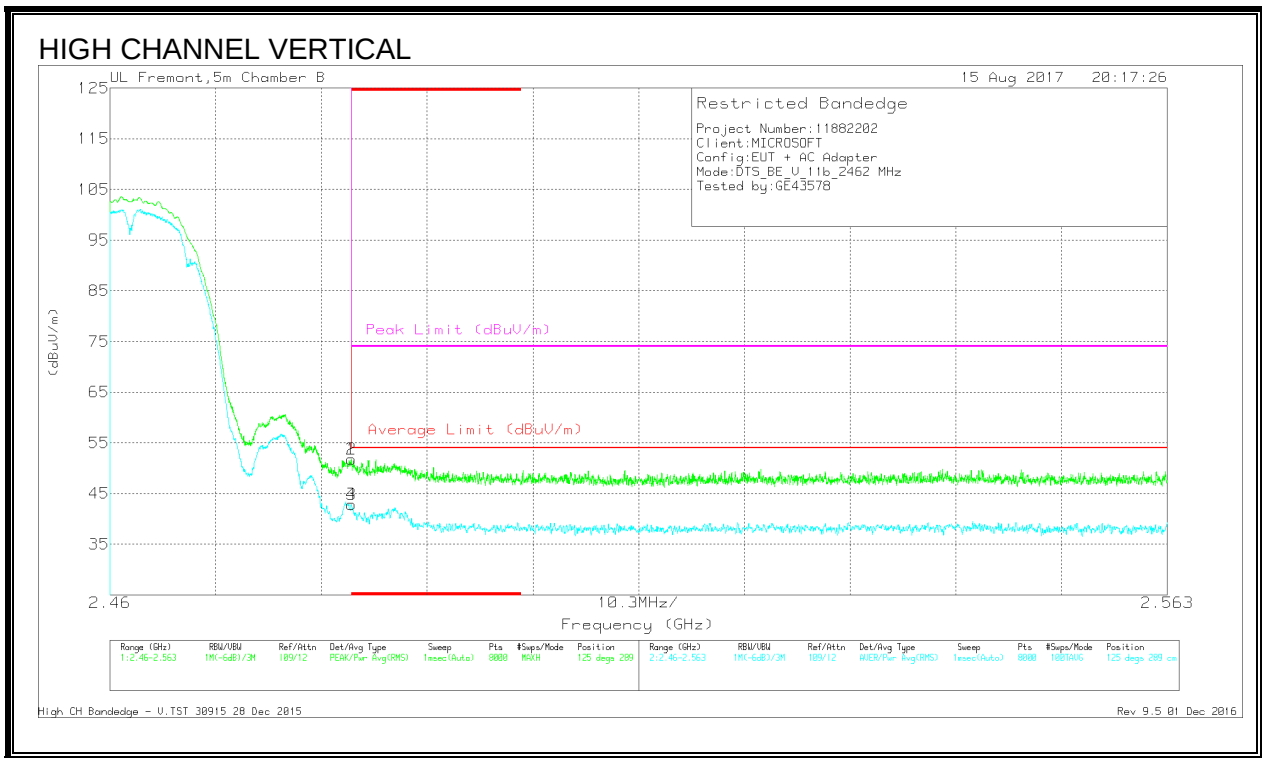
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T663 (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)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.15	Pk	32.5	-20.9	0	52.75	-	-	74	-21.25	263	122	H
2	* 2.484	41.75	Pk	32.5	-20.9	0	53.35	-	-	74	-20.65	263	122	H
3	* 2.484	33.56	RMS	32.5	-20.9	0	45.16	54	-8.84	-	-	263	122	H
4	* 2.484	33.25	RMS	32.5	-20.9	0	44.85	54	-9.15	-	-	263	122	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

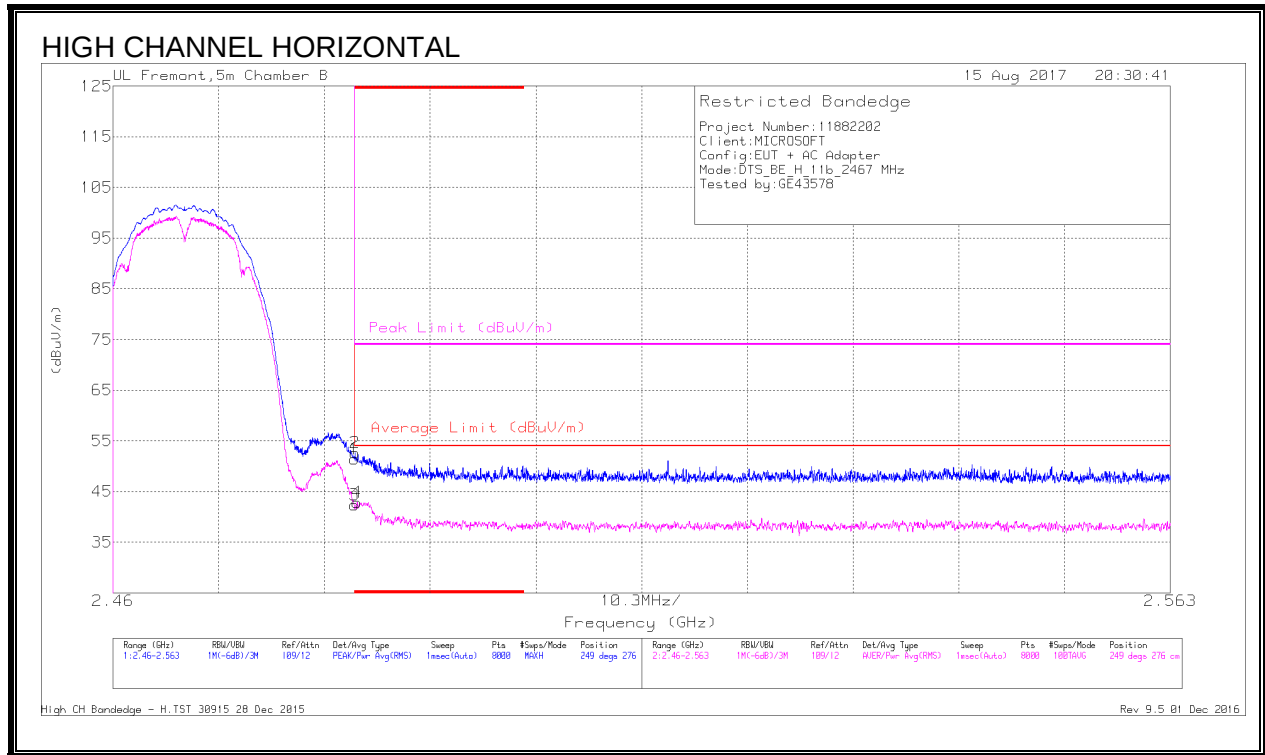
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	40.15	Pk	32.5	-20.9	0	51.75	-	-	74	-22.25	125	289	V
2	* 2.484	40.17	Pk	32.5	-20.9	0	51.77	-	-	74	-22.23	125	289	V
3	* 2.484	31.26	RMS	32.5	-20.9	0	42.86	54	-11.14	-	-	125	289	V
4	* 2.484	31.28	RMS	32.5	-20.9	0	42.88	54	-11.12	-	-	125	289	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)



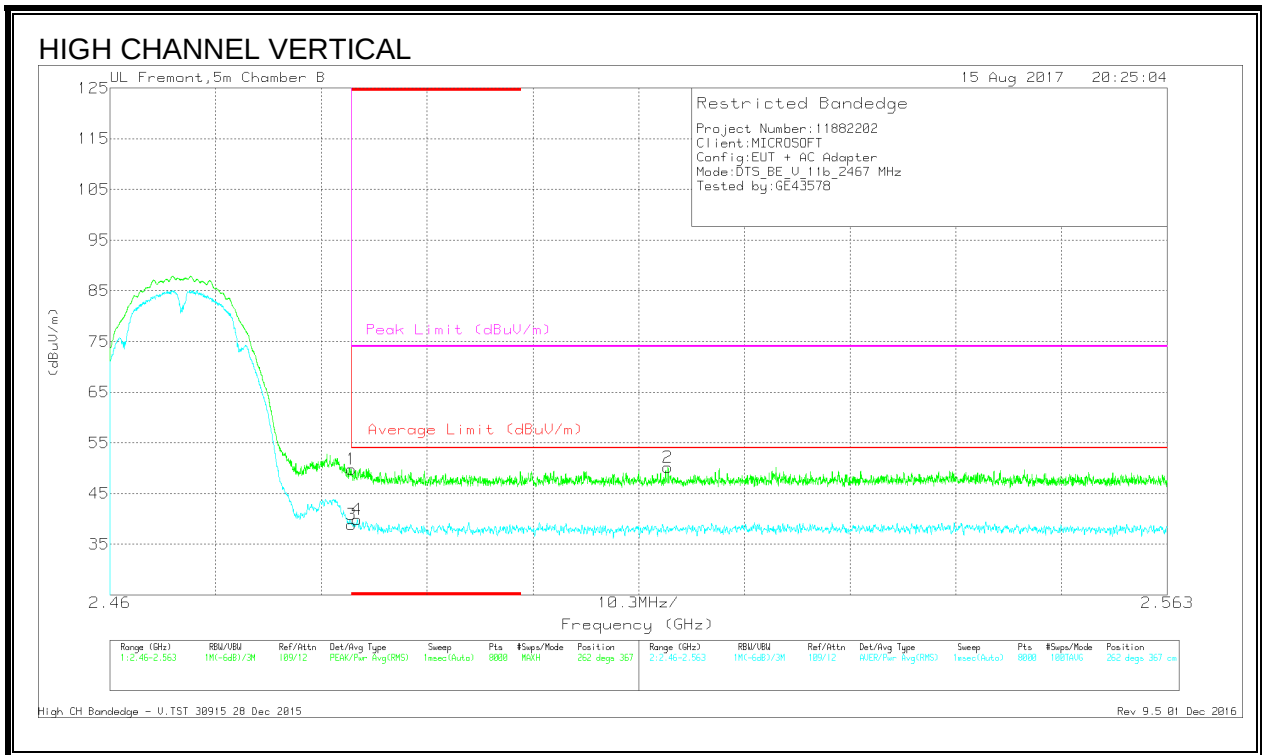
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	39.85	Pk	32.5	-20.9	0	51.45	-	-	74	-22.55	249	276	H
2	* 2.484	41.1	Pk	32.5	-20.9	0	52.7	-	-	74	-21.3	249	276	H
3	* 2.484	30.8	RMS	32.5	-20.9	0	42.4	54	-11.6	-	-	249	276	H
4	* 2.484	31.27	RMS	32.5	-20.9	0	42.87	54	-11.13	-	-	249	276	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

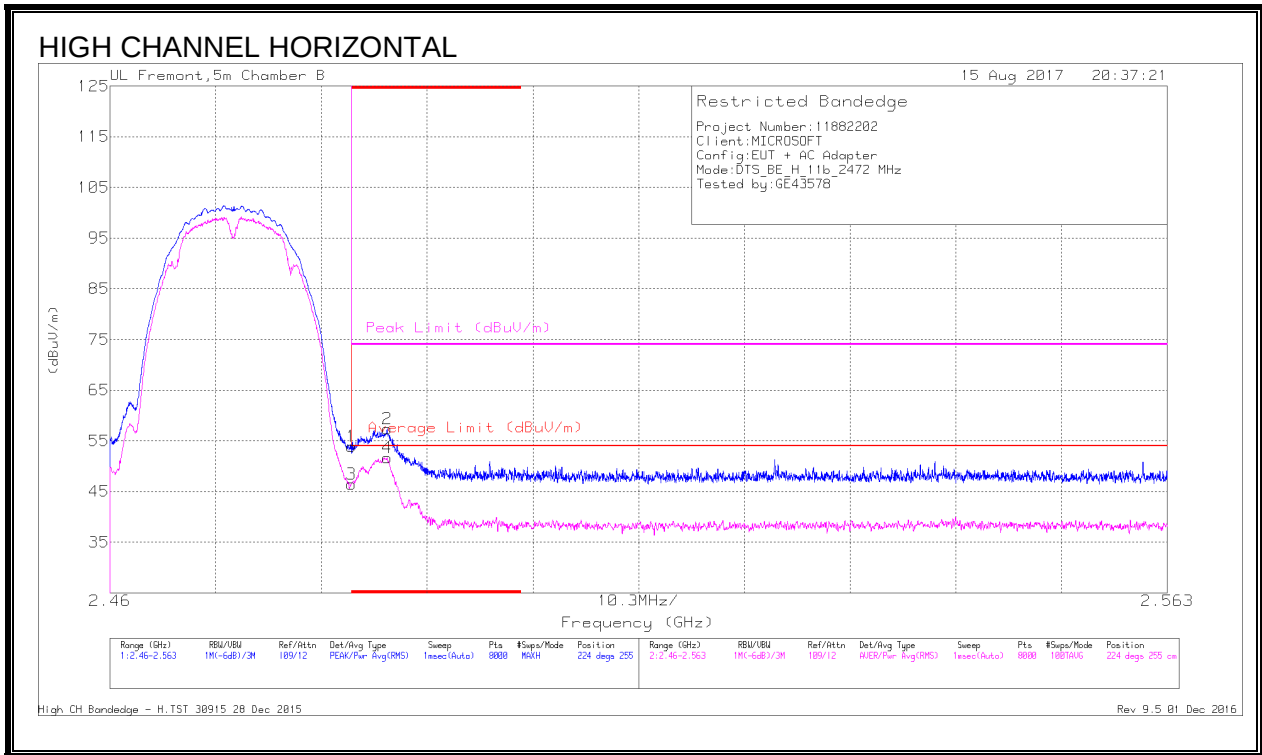
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.15	Pk	32.5	-20.9	0	49.75	-	-	74	-24.25	262	367	V
3	* 2.484	27.32	RMS	32.5	-20.9	0	38.92	54	-15.08	-	-	262	367	V
4	* 2.484	28.23	RMS	32.5	-20.9	0	39.83	54	-14.17	-	-	262	367	V
2	2.514	38.57	Pk	32.6	-21	0	50.17	-	-	74	-23.83	262	367	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)



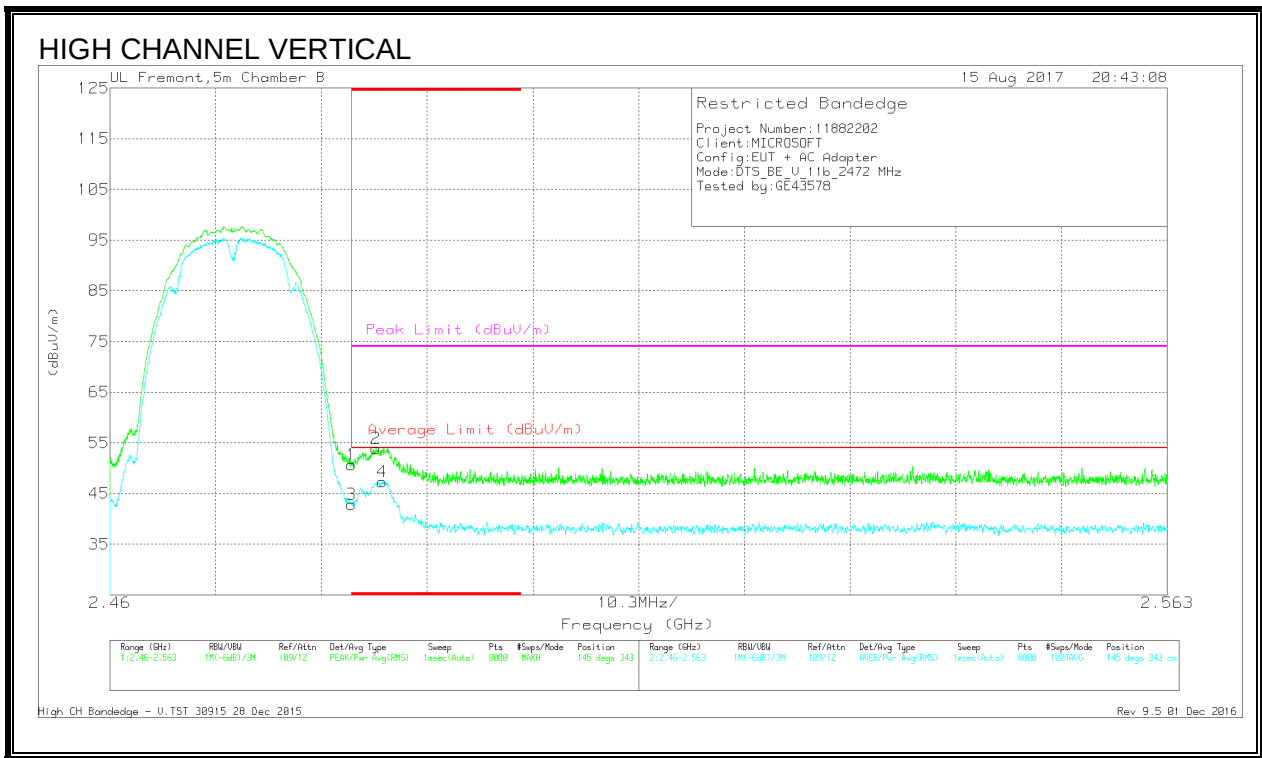
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	42.24	PK	32.5	-20.9	0	53.84	-	-	74	-20.16	224	255	H
2	* 2.487	45.63	PK	32.5	-20.8	0	57.33	-	-	74	-16.67	224	255	H
3	* 2.484	34.89	RMS	32.5	-20.9	0	46.49	54	-7.51	-	-	224	255	H
4	* 2.487	40	RMS	32.5	-20.8	0	51.7	54	-2.3	-	-	224	255	H

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

PK - Peak detector

RMS - RMS detection



Trace Markers

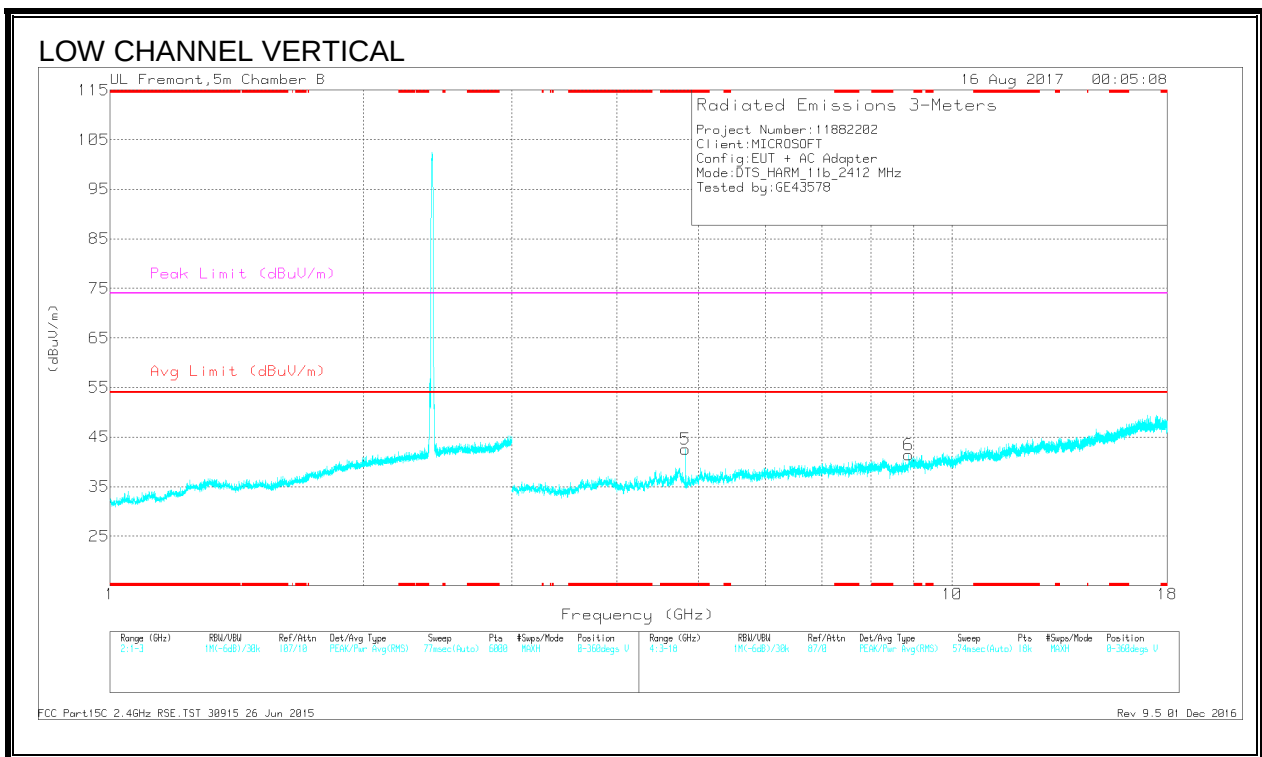
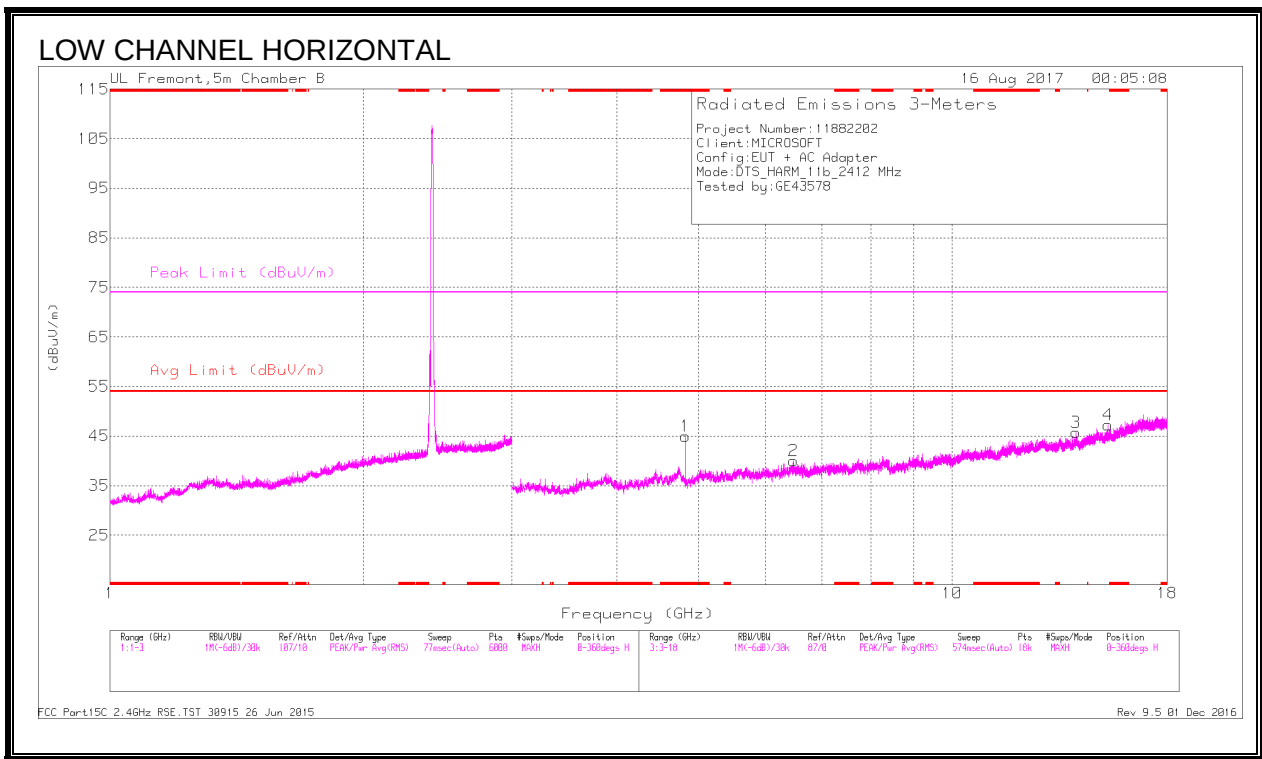
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	39.02	Pk	32.5	-20.9	0	50.62	-	-	74	-23.38	145	343	V
2	* 2.486	42.24	Pk	32.5	-20.8	0	53.94	-	-	74	-20.06	145	343	V
3	* 2.484	31.23	RMS	32.5	-20.9	0	42.83	54	-11.17	-	-	145	343	V
4	* 2.487	35.57	RMS	32.5	-20.8	0	47.27	54	-6.73	-	-	145	343	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

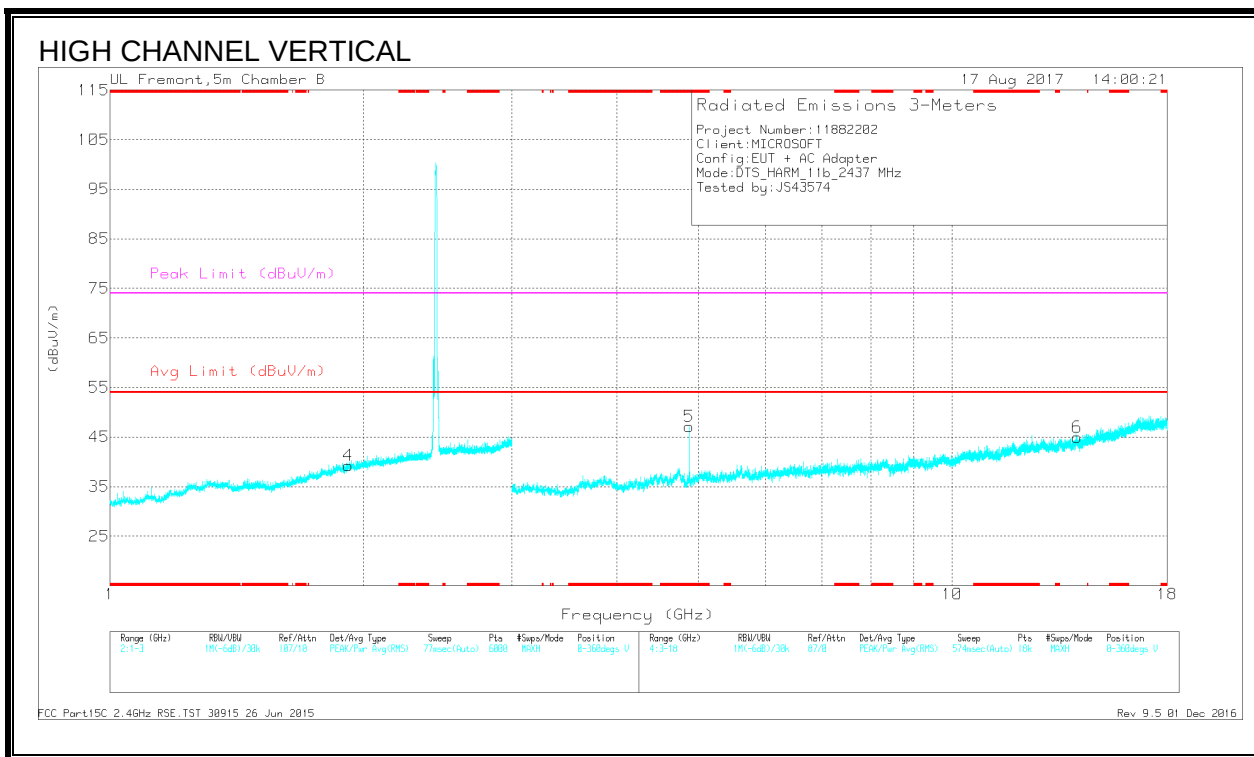
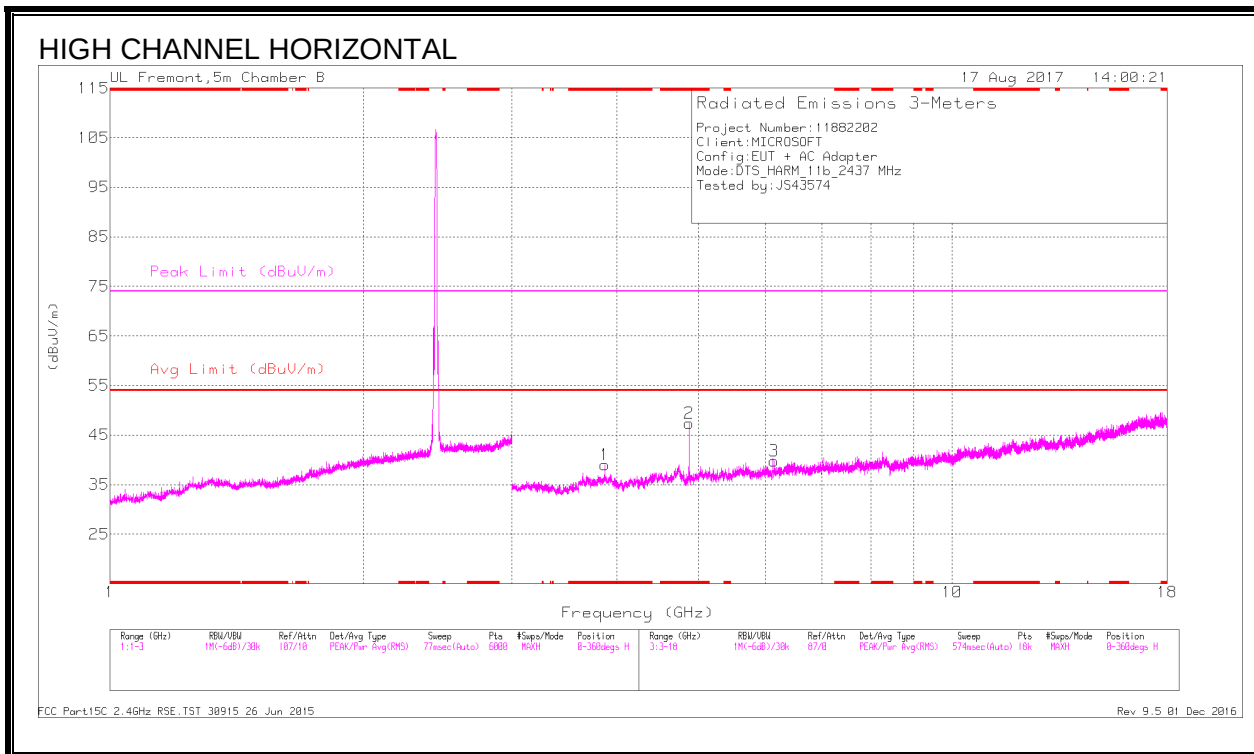
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	44.73	PK2	34.4	-29.4	0	49.73	-	-	74	-24.27	207	246	H
	* 4.824	40.37	MAv1	34.4	-29.4	0	45.37	54	-8.63	-	-	207	246	H
5	* 4.824	43.76	PK2	34.4	-29.4	0	48.76	-	-	74	-25.24	310	215	V
	* 4.824	38.71	MAv1	34.4	-29.4	0	43.71	54	-10.29	-	-	310	215	V
2	6.477	37.67	PK2	35.7	-27.9	0	45.47	-	-	-	-	304	201	H
6	8.878	35.22	PK2	36.2	-24.8	0	46.62	-	-	-	-	287	201	V
3	14.024	32.87	PK2	39.2	-20.9	0	51.17	-	-	-	-	224	201	H
4	15.321	32.32	PK2	40.6	-20.7	0	52.22	-	-	-	-	245	201	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 (MID CHANNEL, CH 6)



Radiated Emissions

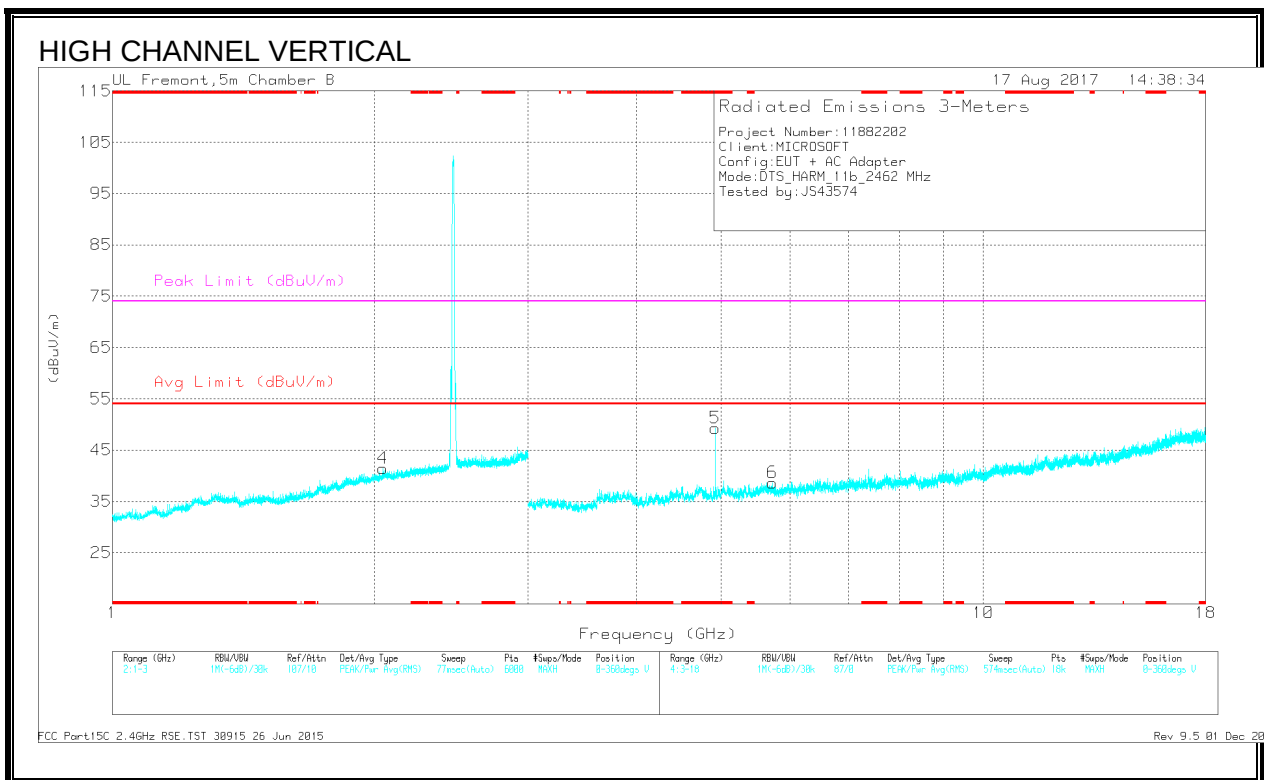
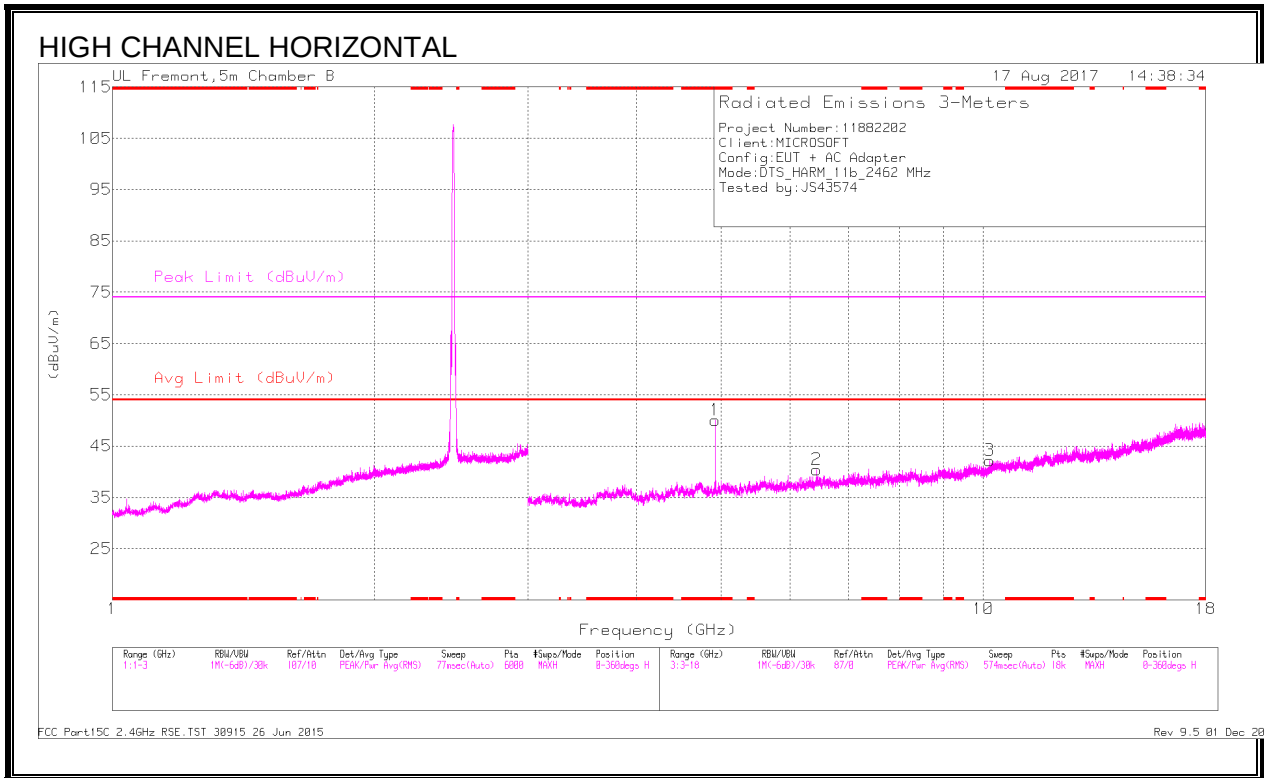
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.865	39.5	PK2	33.5	-29.4	0	43.6	-	-	74	-30.4	147	321	H
* 3.869	27.78	MAv1	33.5	-29.5	0	31.78	54	-22.22	-	-	147	321	H
* 4.874	45.73	PK2	34.4	-30.1	0	50.03	-	-	74	-23.97	208	253	H
* 4.874	41.93	MAv1	34.4	-30.1	0	46.23	54	-7.77	-	-	208	253	H
* 4.874	45.29	PK2	34.4	-30.1	0	49.59	-	-	74	-24.41	323	231	V
* 4.874	41.63	MAv1	34.4	-30.1	0	45.93	54	-8.07	-	-	323	231	V
1.917	24.01	MAv1	31	-21.1	0	33.91	-	-	-	-	153	227	V
1.918	36.07	PK2	31	-21	0	46.07	-	-	-	-	153	227	V
6.143	37.97	PK2	35.6	-28.9	0	44.67	-	-	-	-	146	269	H
6.143	26.92	MAv1	35.6	-28.9	0	33.62	-	-	-	-	146	269	H
14.065	22.05	MAv1	39.2	-20.9	0	40.35	-	-	-	-	211	254	V
14.067	32.75	PK2	39.2	-21.3	0	50.65	-	-	-	-	211	254	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/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.924	48	PK2	34.4	-30.2	0	52.2	-	-	74	-21.8	263	184	H
* 4.924	44.89	MAv1	34.4	-30.2	0	49.09	54	-4.91	-	-	263	184	H
* 4.924	47.35	PK2	34.4	-30.2	0	51.55	-	-	74	-22.45	313	238	V
* 4.924	44.39	MAv1	34.4	-30.2	0	48.59	54	-5.41	-	-	313	238	V
2.045	36.51	PK2	31.4	-21.2	0	46.71	-	-	-	-	216	181	V
2.045	24.72	MAv1	31.4	-21.1	0	35.02	-	-	-	-	216	181	V
5.723	39.24	PK2	35	-29.1	0	45.14	-	-	-	-	200	139	V
5.725	27.84	MAv1	35	-29.1	0	33.74	-	-	-	-	200	139	V
6.436	26.76	MAv1	35.7	-27.9	0	34.56	-	-	-	-	236	275	H
6.437	37.68	PK2	35.7	-27.9	0	45.48	-	-	-	-	236	275	H
10.17	22.84	MAv1	37.4	-23.8	0	36.44	-	-	-	-	94	234	H
10.173	33.35	PK2	37.4	-23.7	0	47.05	-	-	-	-	94	234	H

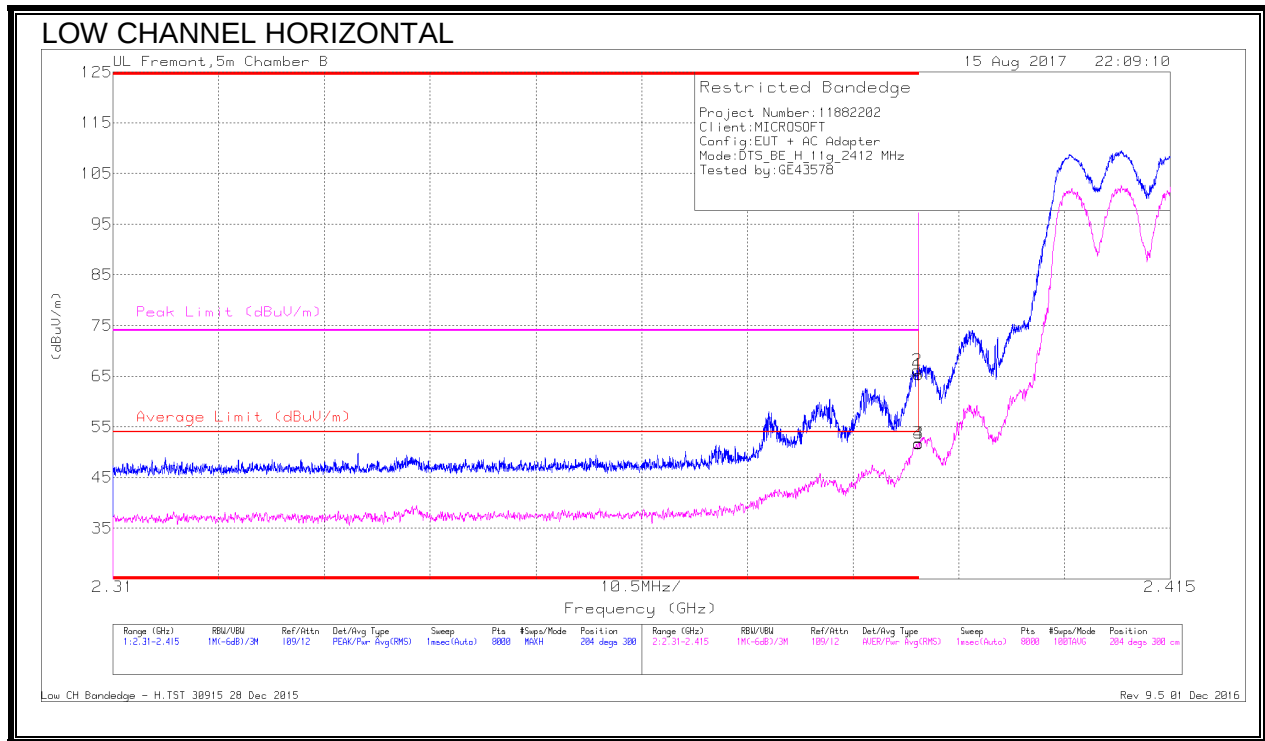
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.2 11g MIMO MODE IN THE 2.4GHz BAND

BANDEDGE (LOW CHANNEL, CH 1)



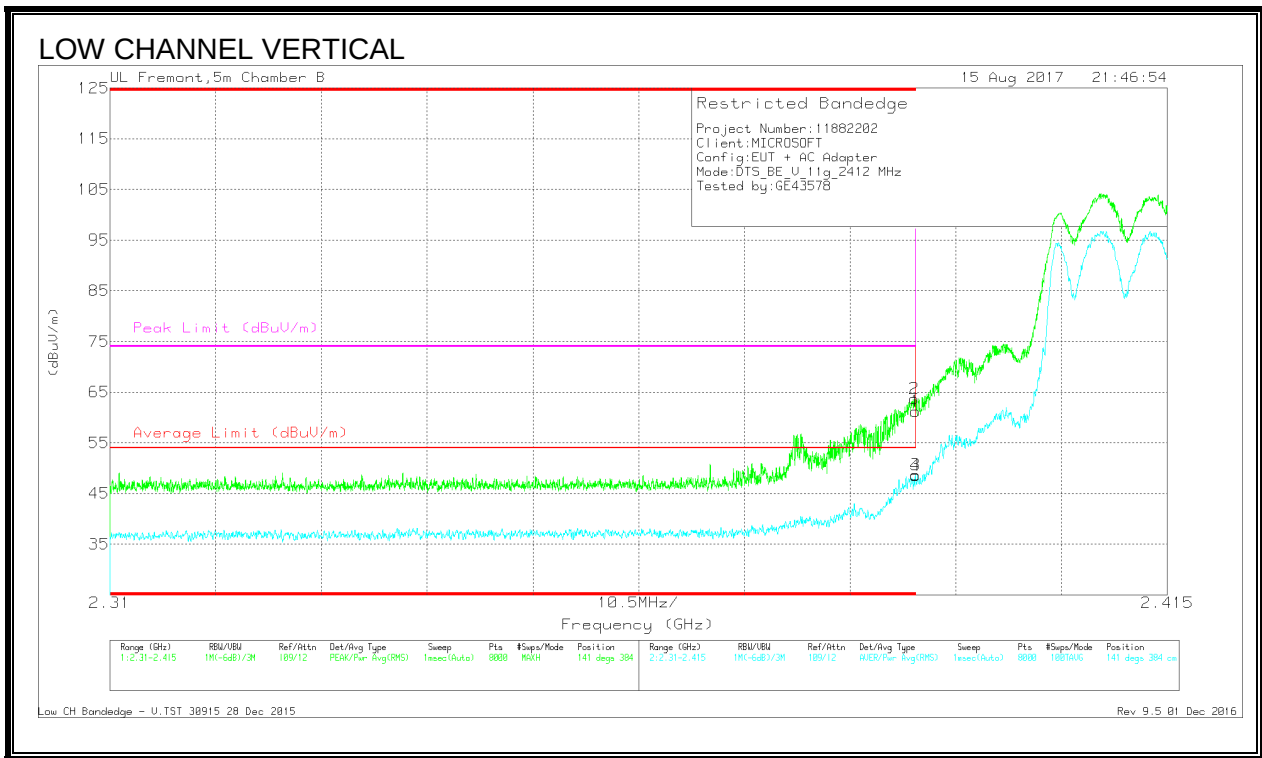
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	54.48	Pk	32	-21.2	0	65.28	-	-	74	-8.72	204	300	H
2	* 2.39	55.4	Pk	32	-21.2	0	66.2	-	-	74	-7.8	204	300	H
3	* 2.39	41	RMS	32	-21.2	0	51.8	54	-2.2	-	-	204	300	H
4	* 2.39	40.91	RMS	32	-21.2	0	51.71	54	-2.29	-	-	204	300	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

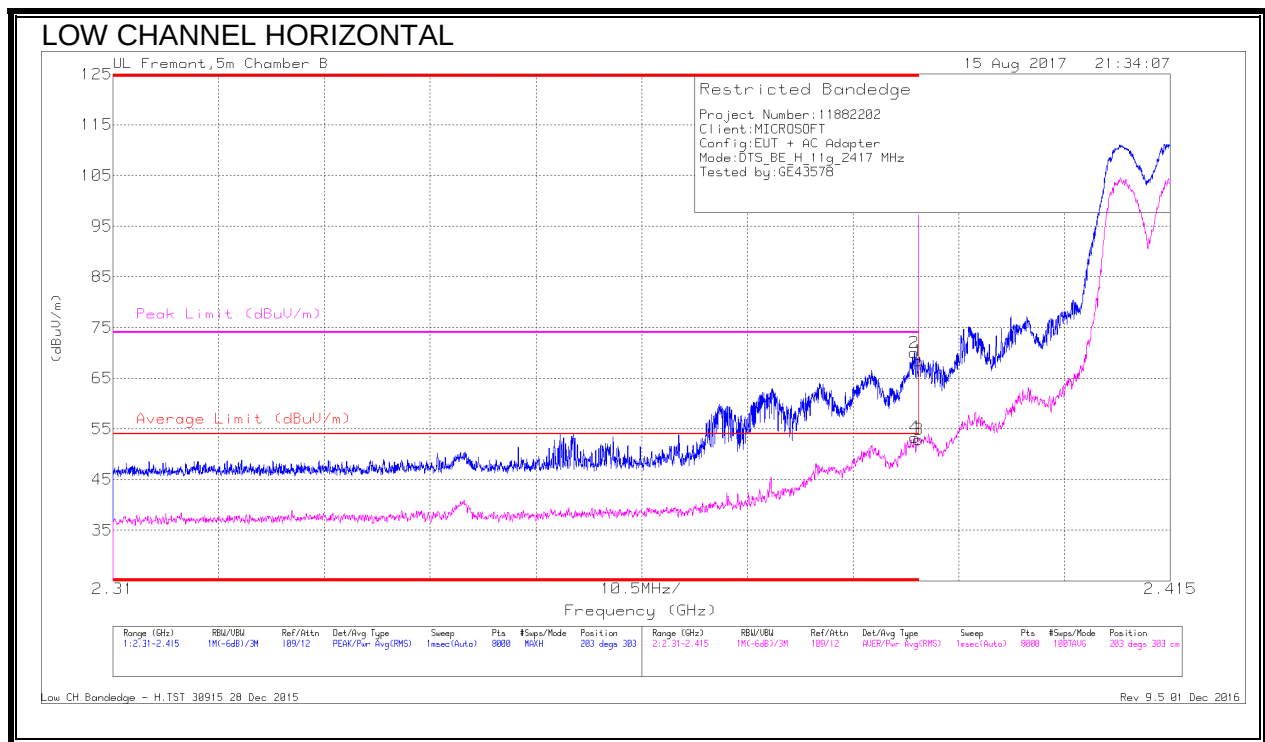
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TB63 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	50.43	Pk	32	-21.2	0	61.23	-	-	74	-12.77	141	384	V
2	* 2.39	52.9	Pk	32	-21.2	0	63.7	-	-	74	-10.3	141	384	V
3	* 2.39	37.92	RMS	32	-21.2	0	48.72	54	-5.28	-	-	141	384	V
4	* 2.39	37.74	RMS	32	-21.2	0	48.54	54	-5.46	-	-	141	384	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)



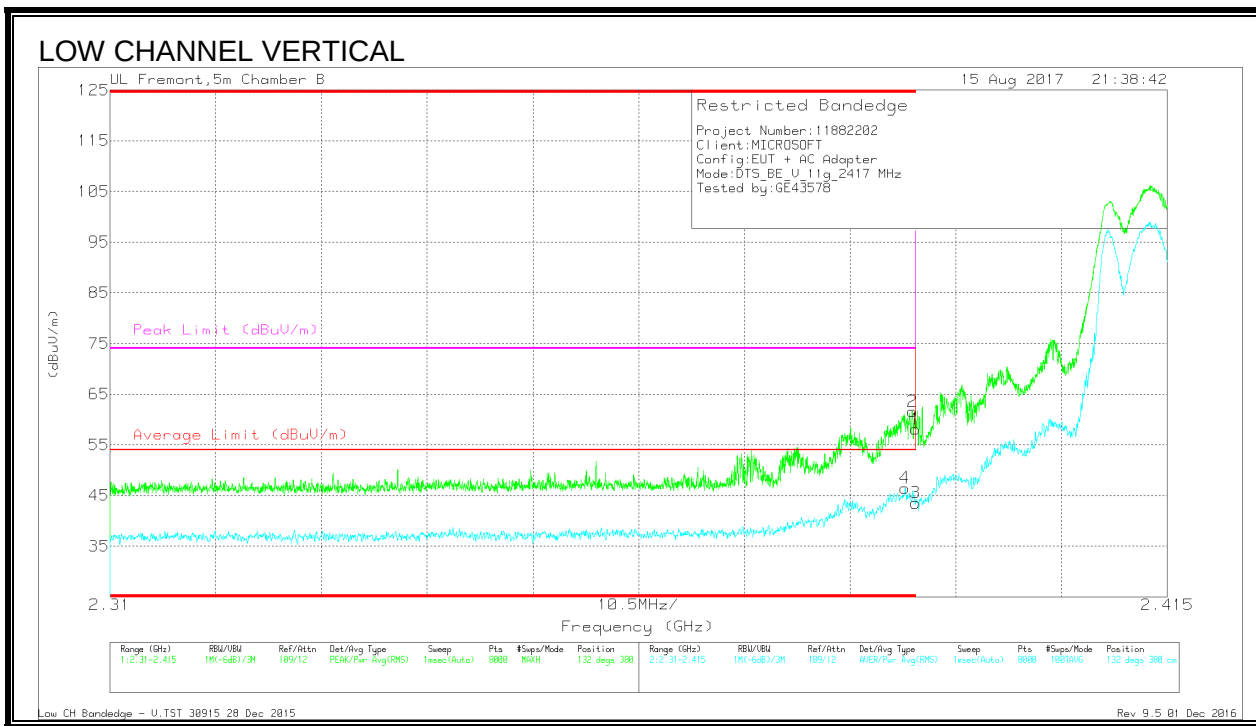
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	57.59	PK	32	-21.2	0	68.39	-	-	74	-5.61	203	303	H
2	* 2.39	59.28	PK	32	-21.2	0	70.08	-	-	74	-3.92	203	303	H
3	* 2.39	42.15	RMS	32	-21.2	0	52.95	54	-1.05	-	-	203	303	H
4	* 2.39	42.53	RMS	32	-21.2	0	53.33	54	-67	-	-	203	303	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

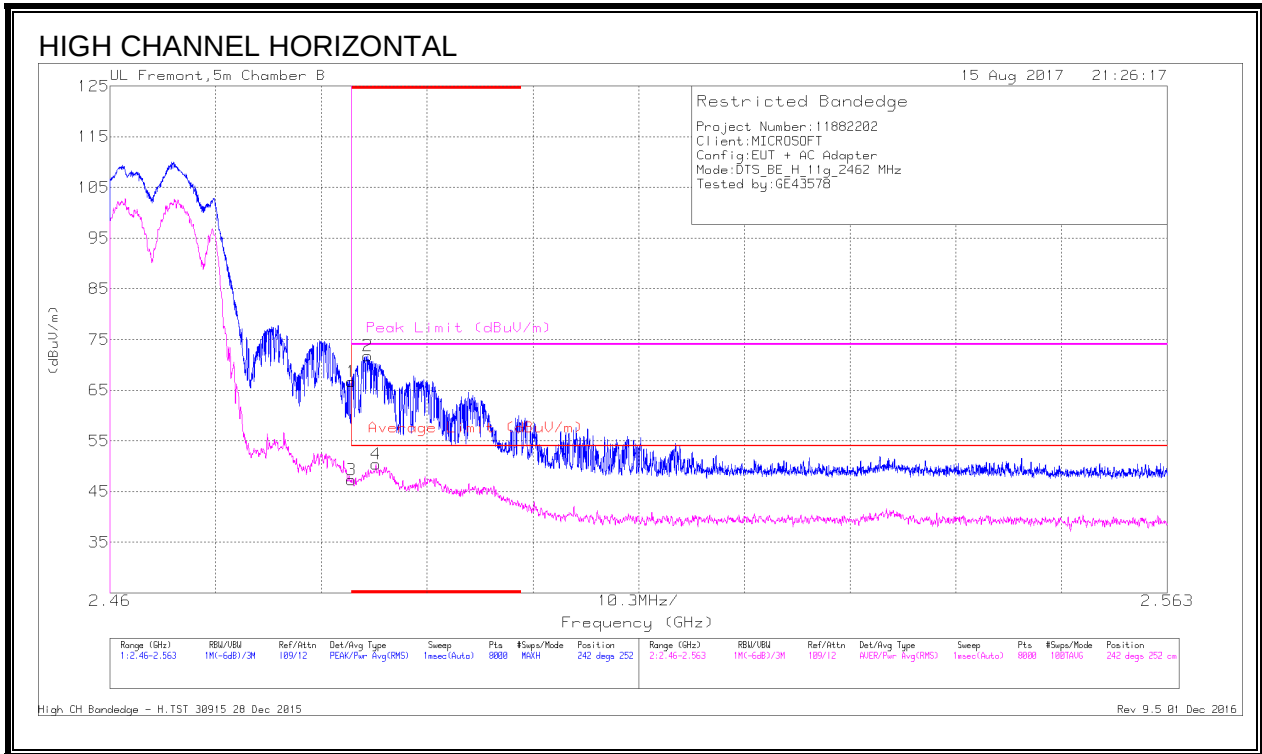
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TB63 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	47.31	Pk	32	-21.2	0	58.11	-	-	74	-15.89	132	380	V
2	* 2.39	50.84	Pk	32	-21.2	0	61.64	-	-	74	-12.36	132	380	V
3	* 2.39	32.73	RMS	32	-21.2	0	43.53	54	-10.47	-	-	132	380	V
4	* 2.389	35.7	RMS	32	-21.2	0	46.5	54	-7.5	-	-	132	380	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)



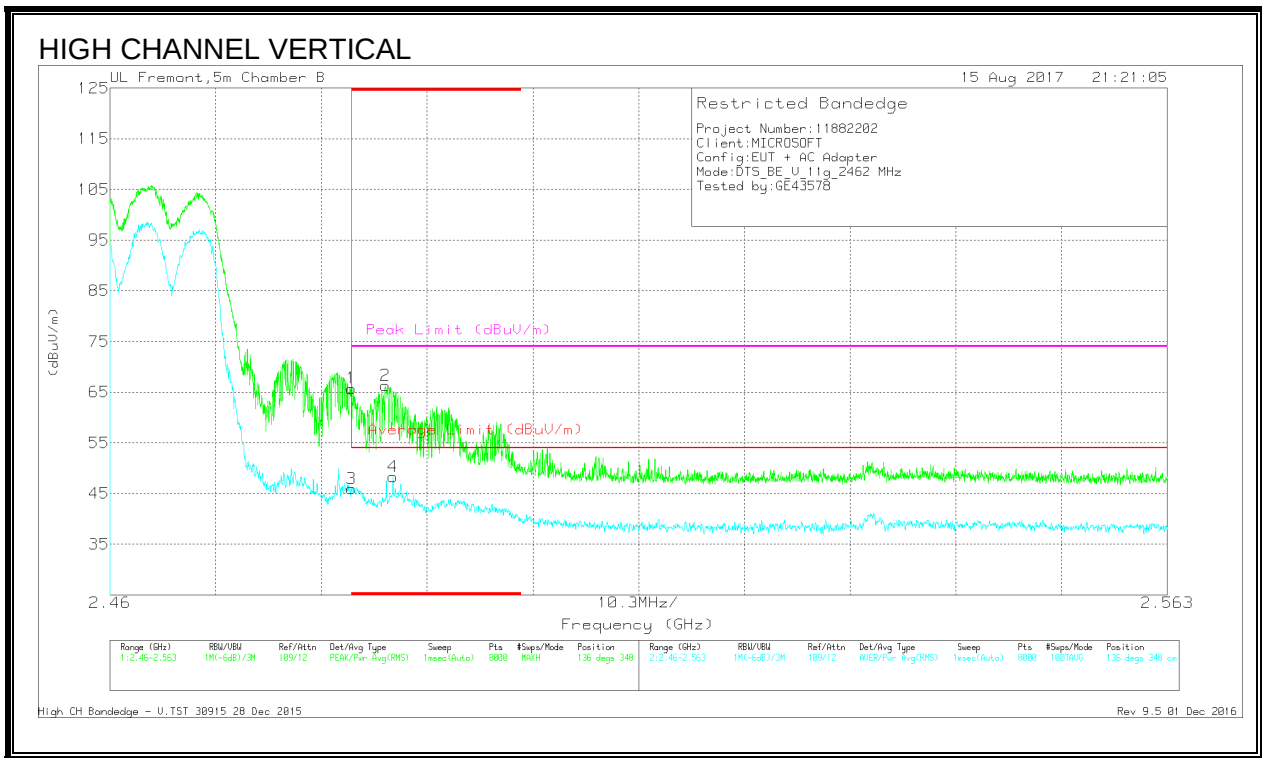
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (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)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.09	Pk	32.5	-20.9	0	66.69	-	-	74	-7.31	242	252	H
2	* 2.485	60.02	Pk	32.5	-20.8	0	71.72	-	-	74	-2.28	242	252	H
3	* 2.484	35.66	RMS	32.5	-20.9	0	47.26	54	-6.74	-	-	242	252	H
4	* 2.486	38.75	RMS	32.5	-20.8	0	50.45	54	-3.55	-	-	242	252	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

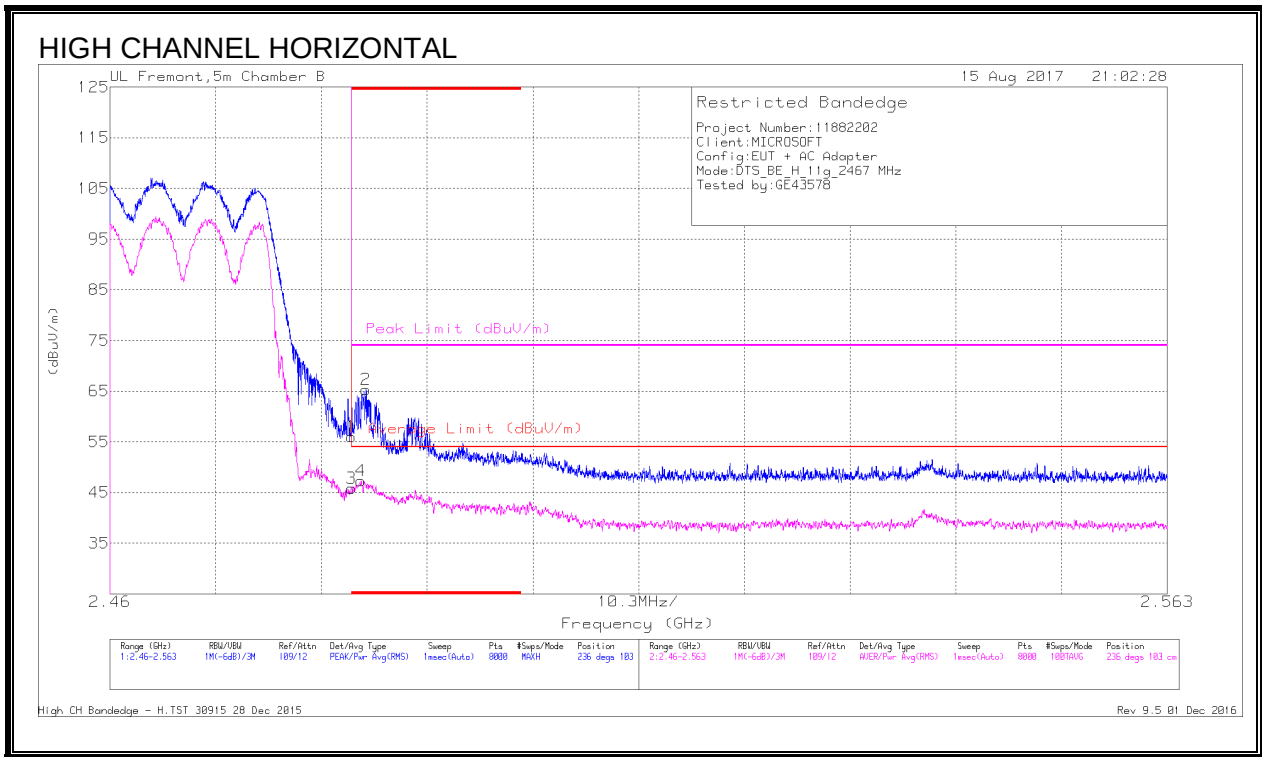
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1963 (dB/m)	Amp/CH/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.15	Pk	32.5	-20.9	0	65.75	-	-	74	-8.25	136	348	V
2	* 2.487	54.58	Pk	32.5	-20.8	0	66.28	-	-	74	-7.72	136	348	V
3	* 2.484	34.39	RMS	32.5	-20.9	0	45.99	54	-8.01	-	-	136	348	V
4	* 2.488	36.62	RMS	32.5	-20.8	0	48.32	54	-5.68	-	-	136	348	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)



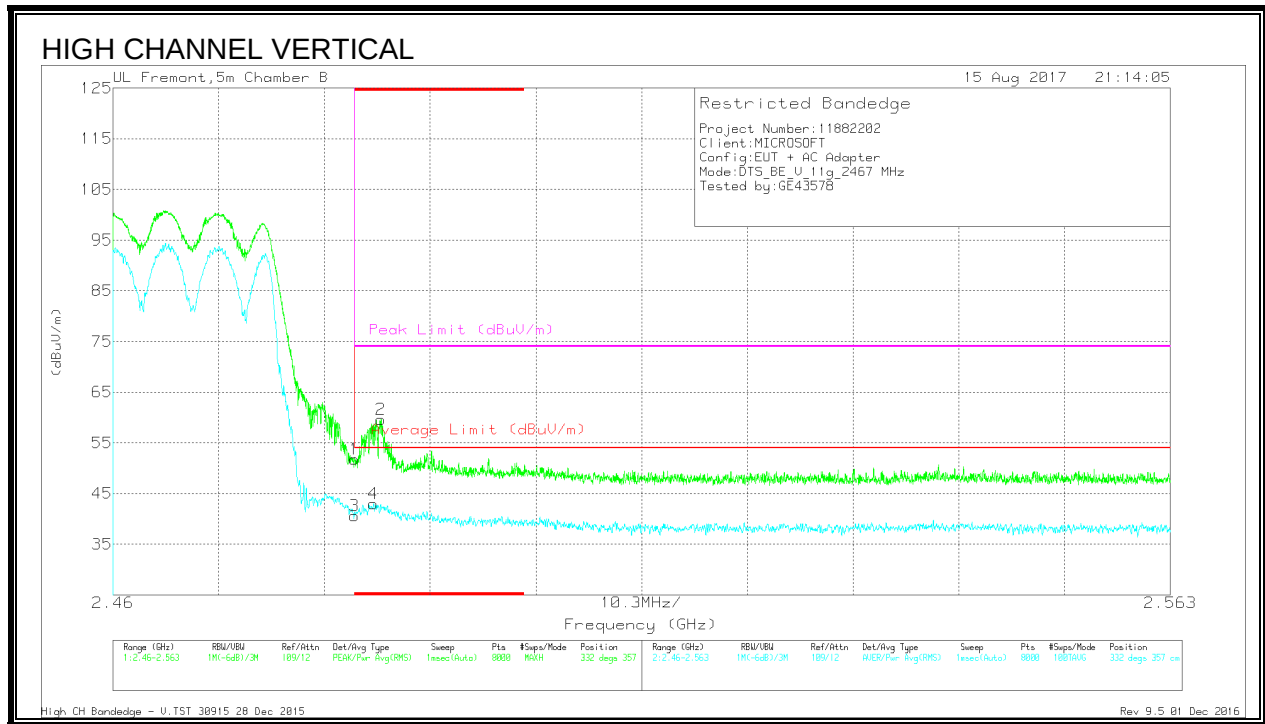
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (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)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.4	Pk	32.5	-20.9	0	56	-	-	74	-18	236	103	H
2	* 2.485	53.63	Pk	32.5	-20.8	0	65.33	-	-	74	-8.67	236	103	H
3	* 2.484	34.26	RMS	32.5	-20.9	0	45.86	54	-8.14	-	-	236	103	H
4	* 2.484	35.66	RMS	32.5	-20.9	0	47.26	54	-6.74	-	-	236	103	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

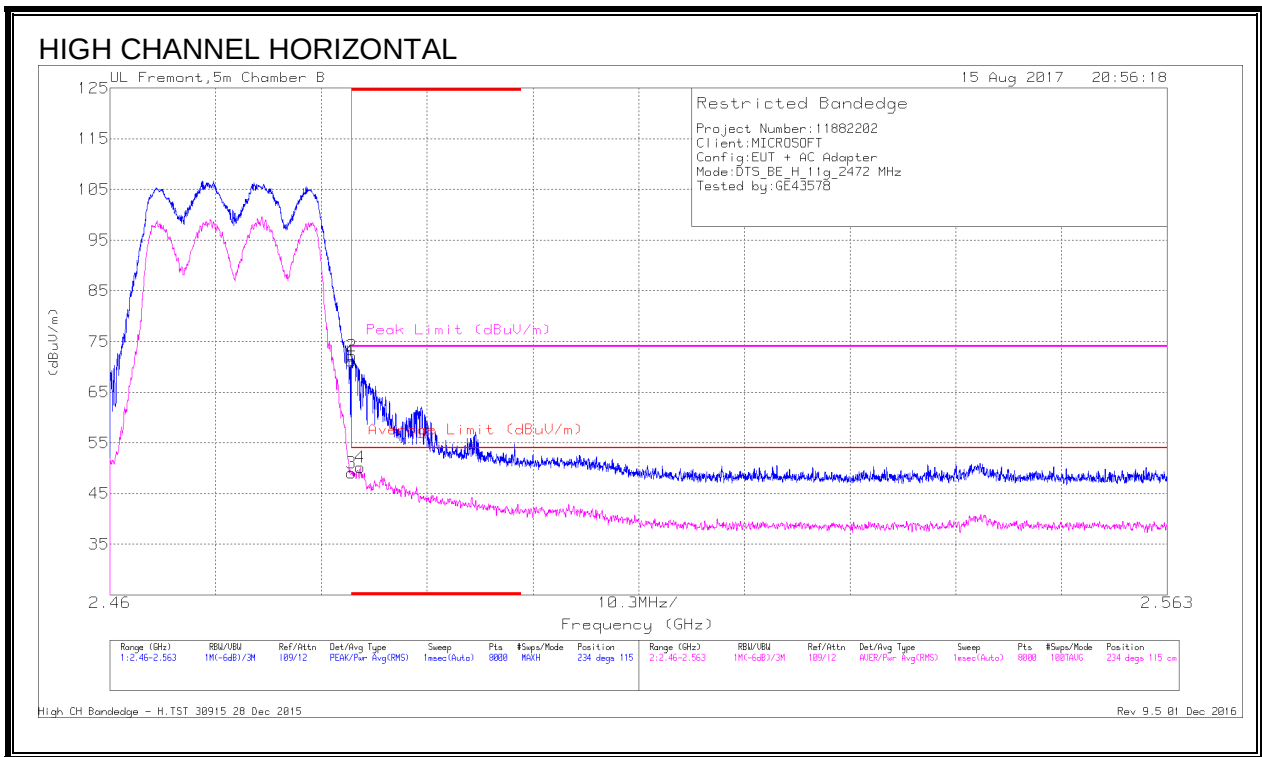
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	40.22	Pk	32.5	-20.9	0	51.82	-	-	74	-22.18	332	357	V
2	* 2.486	47.88	Pk	32.5	-20.8	0	59.58	-	-	74	-14.42	332	357	V
3	* 2.484	28.96	RMS	32.5	-20.9	0	40.56	54	-13.44	-	-	332	357	V
4	* 2.485	31.28	RMS	32.5	-20.8	0	42.98	54	-11.02	-	-	332	357	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)



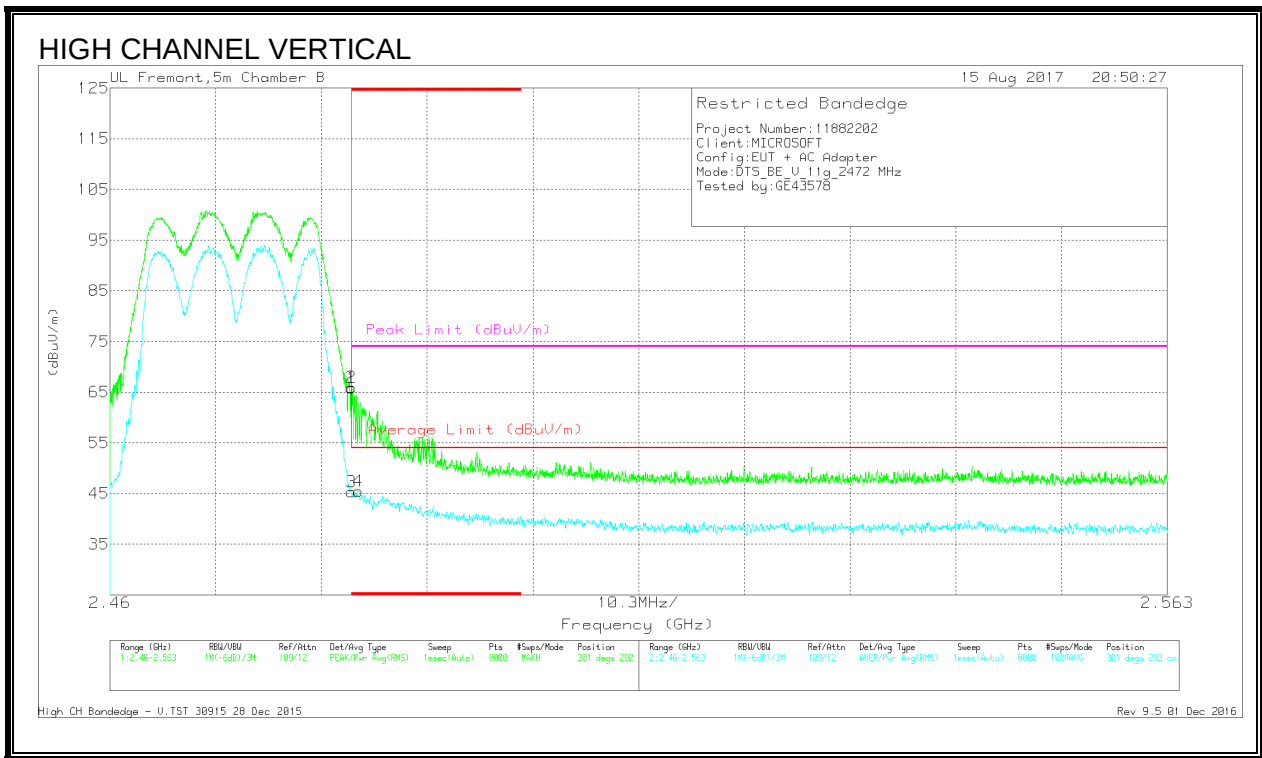
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chl/Filt/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	59.6	Pk	32.5	-20.9	0	71.2	-	-	74	-2.8	234	115	H
2	* 2.484	60.57	Pk	32.5	-20.9	0	72.17	-	-	74	-1.83	234	115	H
3	* 2.484	37.43	RMS	32.5	-20.9	0	49.03	54	-4.97	-	-	234	115	H
4	* 2.484	38.61	RMS	32.5	-20.9	0	50.21	54	-3.79	-	-	234	115	H

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

Pk - Peak detector

RMS - RMS detection

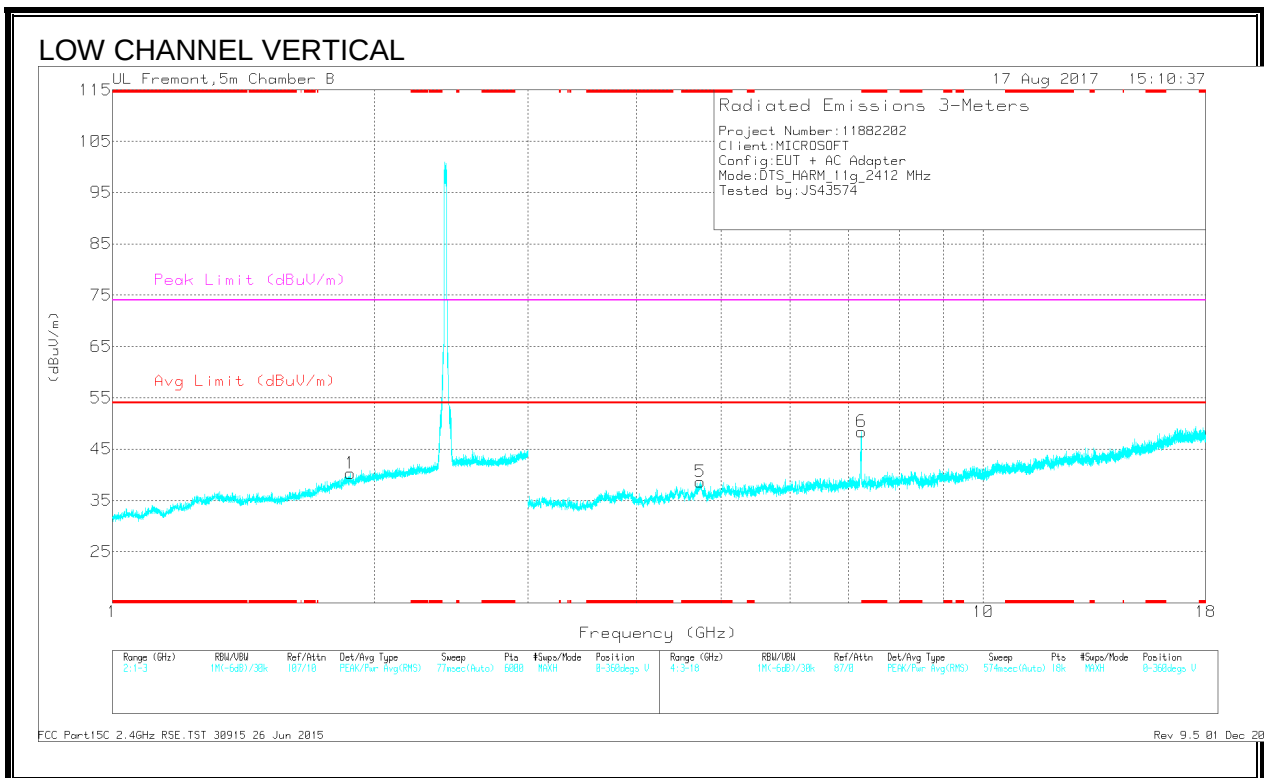
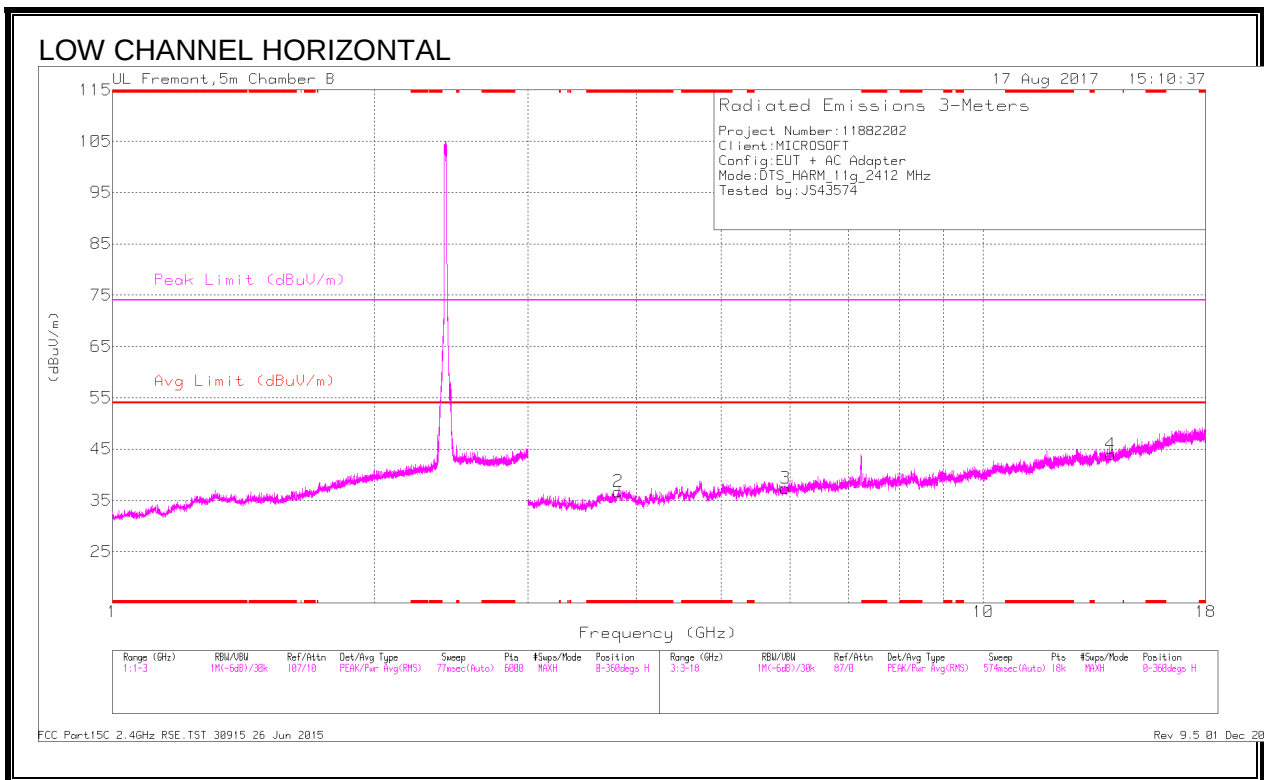


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TB63 (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	* 2.484	54.16	Pk	32.5	-20.9	0	65.76	-	-	74	-8.24	301	292	V
2	* 2.484	54.28	Pk	32.5	-20.9	0	65.88	-	-	74	-8.12	301	292	V
3	* 2.484	33.72	RMS	32.5	-20.9	0	45.32	54	-8.68	-	-	301	292	V
4	* 2.484	33.84	RMS	32.5	-20.9	0	45.44	54	-8.56	-	-	301	292	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

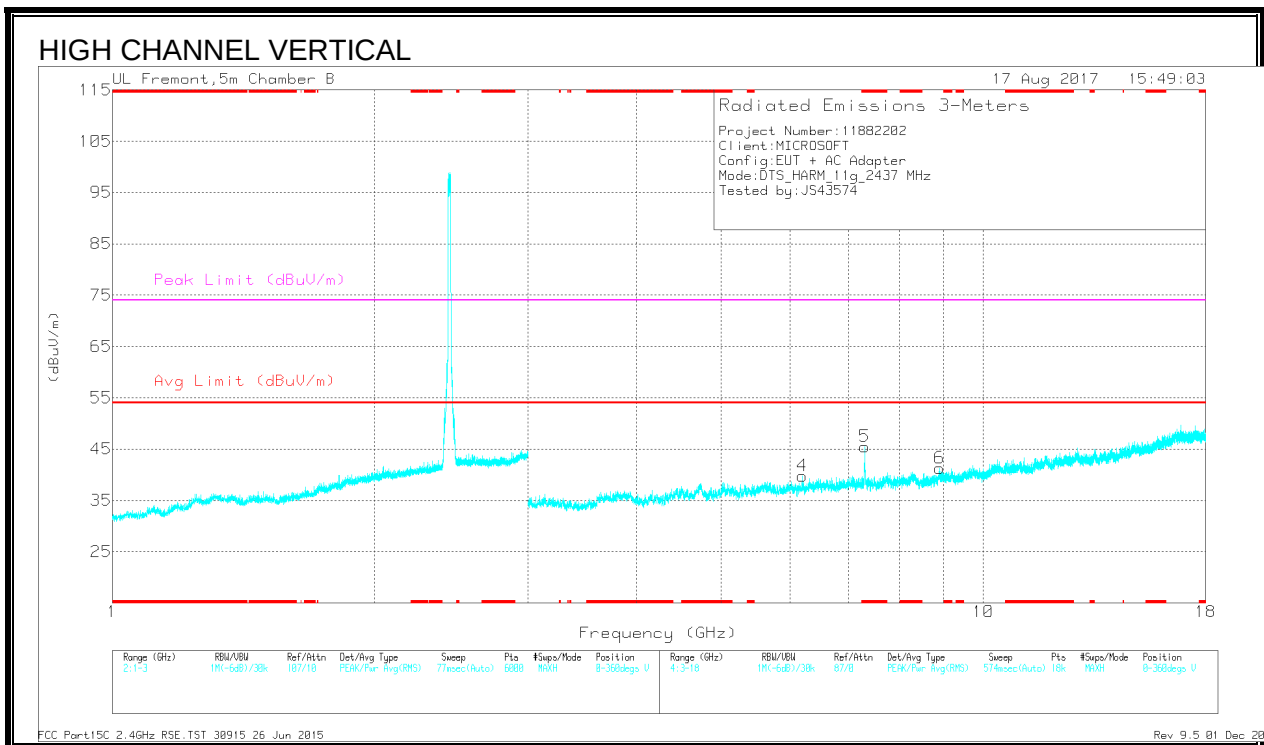
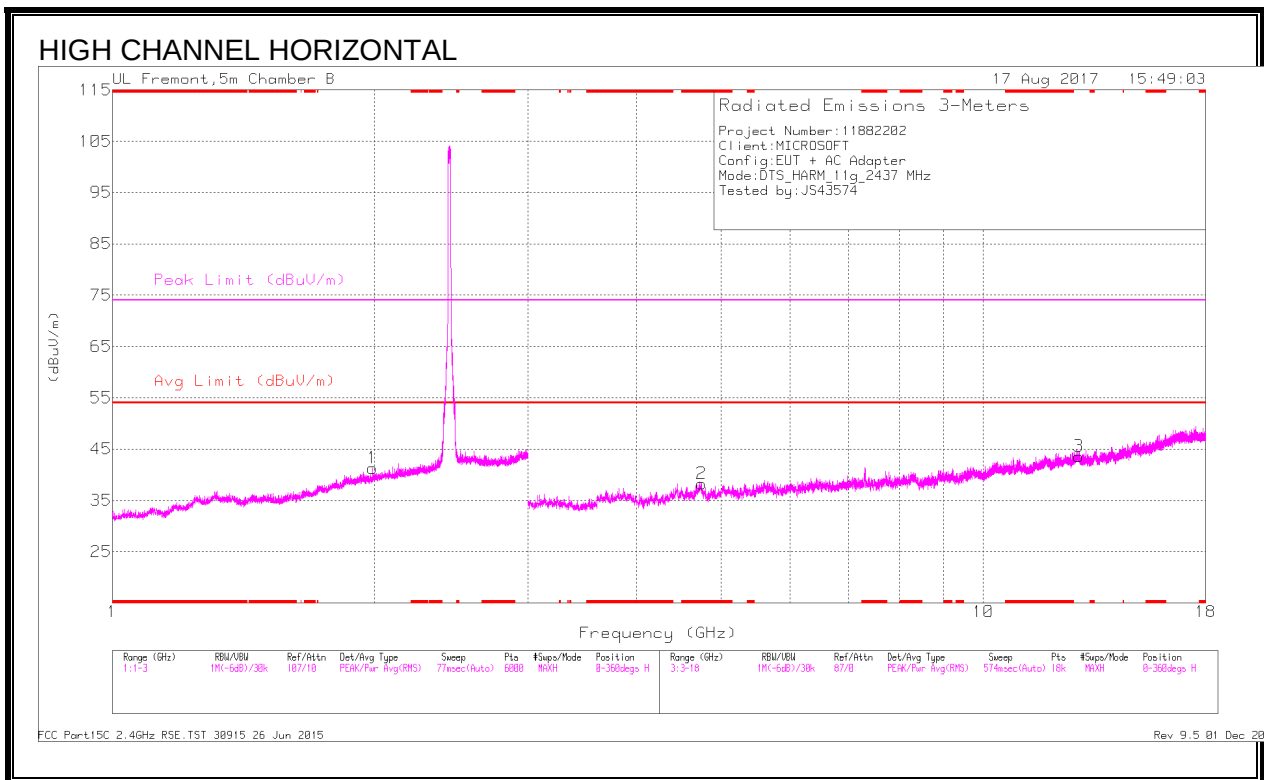
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.812	39.7	PK2	33.5	-30.2	0	43	-	-	74	-31	142	339	H
* 3.81	28.09	MAv1	33.5	-30.3	0	31.29	54	-22.71	-	-	142	339	H
* 4.731	39.36	PK2	34.2	-28.5	0	45.06	-	-	74	-28.94	52	268	V
* 4.73	27.79	MAv1	34.2	-28.5	0	33.49	54	-20.51	-	-	52	268	V
1.876	35.56	PK2	30.9	-20.8	0	45.66	-	-	-	-	185	147	V
1.876	24.17	MAv1	30.9	-20.9	0	34.17	-	-	-	-	185	147	V
5.931	36.9	PK2	35.2	-28.2	0	43.9	-	-	-	-	223	180	H
5.931	26.23	MAv1	35.2	-28.3	0	33.13	-	-	-	-	223	180	H
7.241	40.78	PK2	35.8	-26.9	0	49.68	-	-	-	-	289	174	V
7.241	27.72	MAv1	35.8	-26.9	0	36.62	-	-	-	-	289	174	V
14.004	21.83	MAv1	39.2	-21.2	0	39.83	-	-	-	-	292	181	H
14.006	32.65	PK2	39.2	-21.2	0	50.65	-	-	-	-	292	181	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 (MID CHANNEL, CH 6)



Radiated Emissions

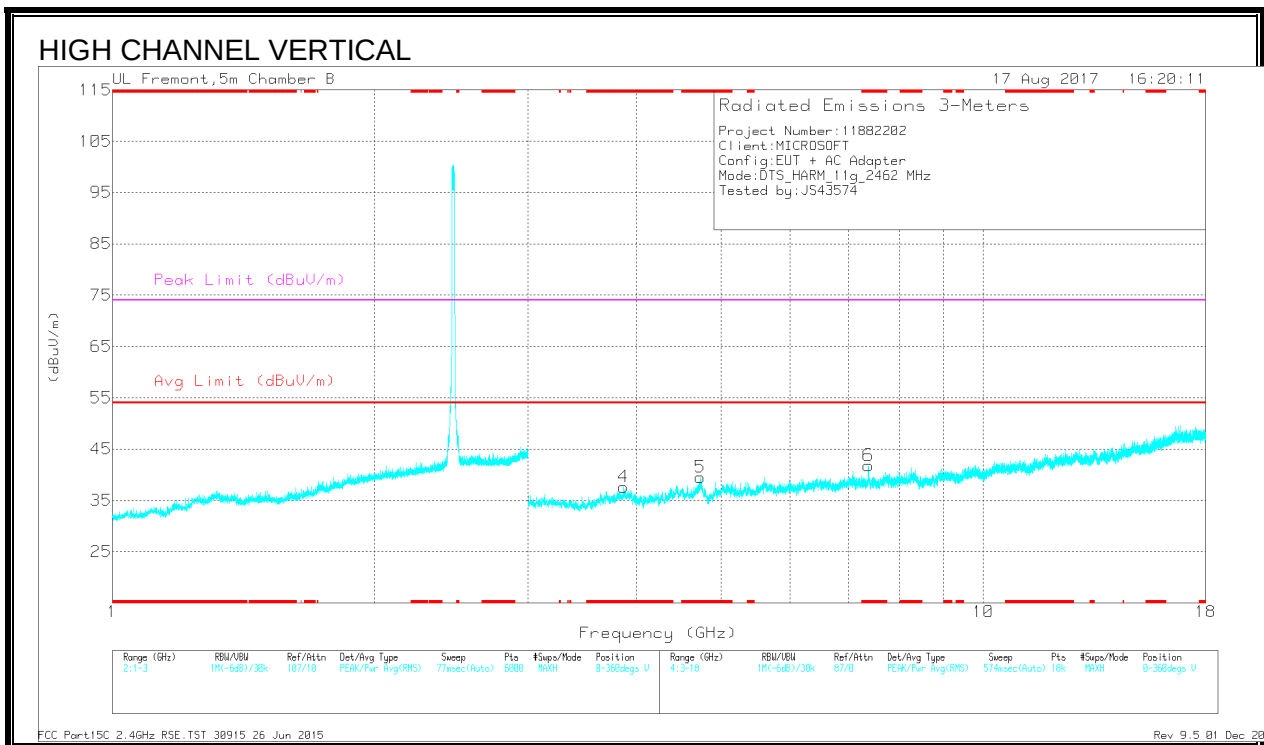
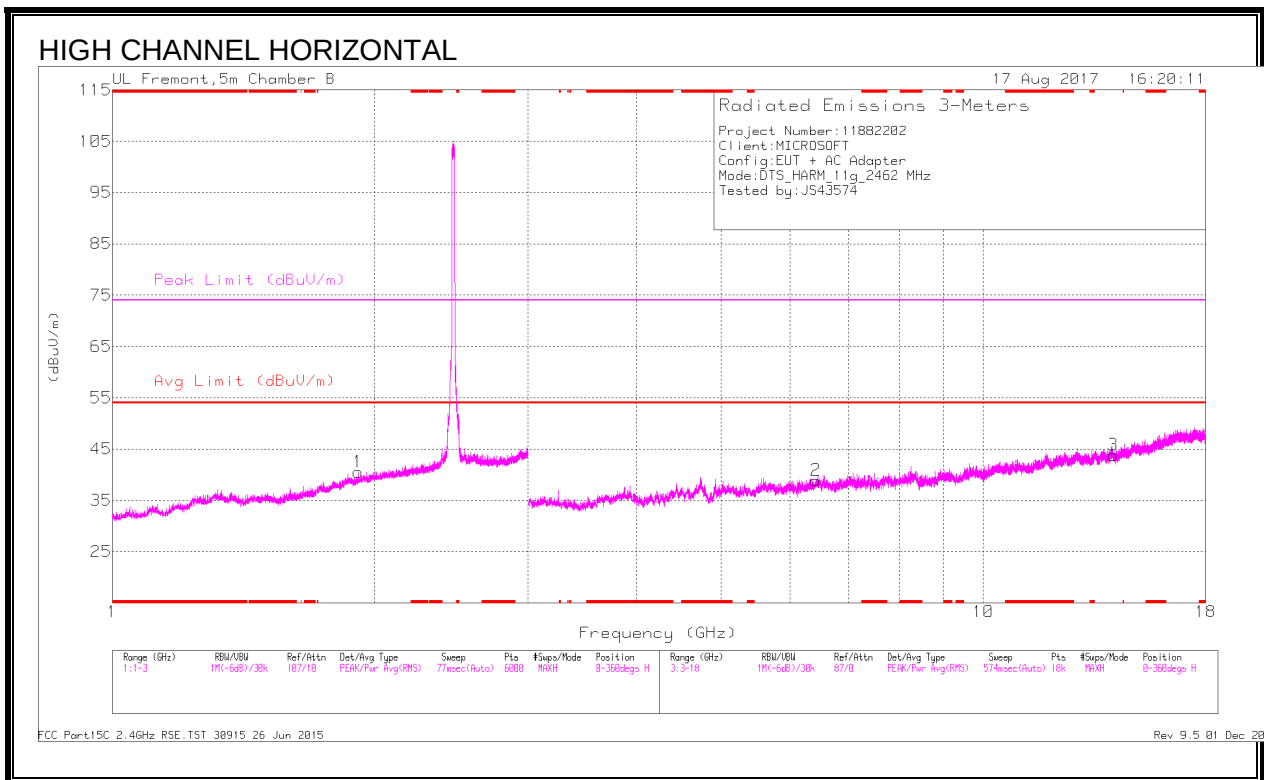
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.745	39.2	PK2	34.2	-28.4	0	45	-	-	74	-29	117	120	H
* 4.746	27.56	MAv1	34.2	-28.4	0	33.36	54	-20.64	-	-	117	120	H
* 7.315	49.64	PK2	35.9	-27.4	0	58.14	-	-	74	-15.86	204	109	V
* 7.314	31.79	MAv1	35.9	-27.4	0	40.29	54	-13.71	-	-	204	109	V
1.987	35.9	PK2	31.2	-21	0	46.1	-	-	-	-	211	129	H
1.987	24.25	MAv1	31.2	-21	0	34.45	-	-	-	-	211	129	H
6.192	26.84	MAv1	35.7	-28.6	0	33.94	-	-	-	-	338	244	V
6.195	37.83	PK2	35.7	-28.7	0	44.83	-	-	-	-	338	244	V
8.903	34.37	PK2	36.2	-23.8	0	46.77	-	-	-	-	292	178	V
8.904	23.63	MAv1	36.2	-23.8	0	36.03	-	-	-	-	292	178	V
12.865	32.69	PK2	39.4	-21.7	0	50.39	-	-	-	-	274	181	H
12.865	21.58	MAv1	39.4	-21.7	0	39.28	-	-	-	-	274	181	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/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.86	39.55	PK2	33.5	-29.6	0	43.45	-	-	74	-30.55	239	159	V
* 3.861	28.75	MAv1	33.5	-29.5	0	32.75	54	-21.25	-	-	239	159	V
* 4.732	39.41	PK2	34.2	-28.5	0	45.11	-	-	74	-28.89	270	180	V
* 4.729	27.81	MAv1	34.2	-28.5	0	33.51	54	-20.49	-	-	270	180	V
* 7.381	43.06	PK2	35.9	-26.8	0	52.16	-	-	74	-21.84	201	171	V
* 7.381	27.81	MAv1	35.9	-26.8	0	36.91	54	-17.09	-	-	201	171	V
1.914	24.12	MAv1	31	-21	0	34.12	-	-	-	-	220	162	H
1.915	35.89	PK2	31	-21	0	45.89	-	-	-	-	220	162	H
6.426	37.62	PK2	35.7	-28.2	0	45.12	-	-	-	-	296	216	H
6.426	27	MAv1	35.7	-28.1	0	34.6	-	-	-	-	296	216	H
14.093	32.69	PK2	39.3	-21.6	0	50.39	-	-	-	-	92	200	H
14.093	21.79	MAv1	39.3	-21.6	0	39.49	-	-	-	-	92	200	H

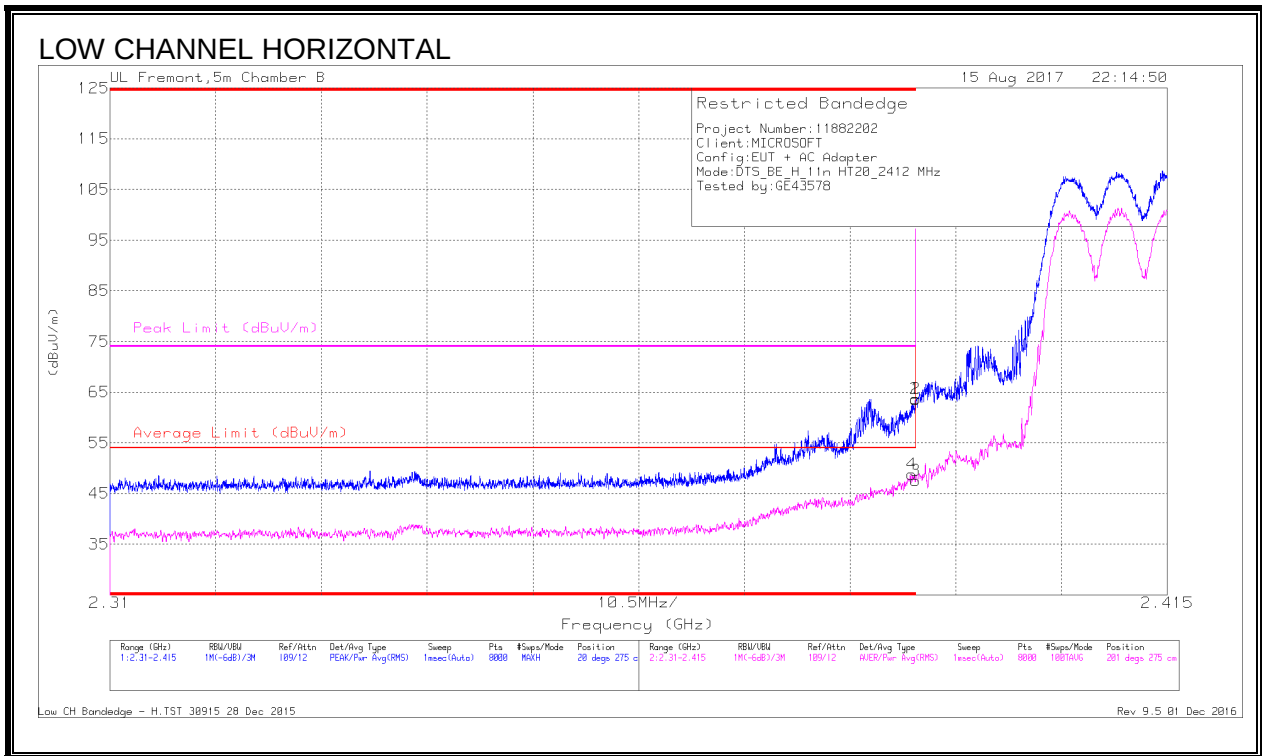
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

BANDEDGE (LOW CHANNEL, CH 1)



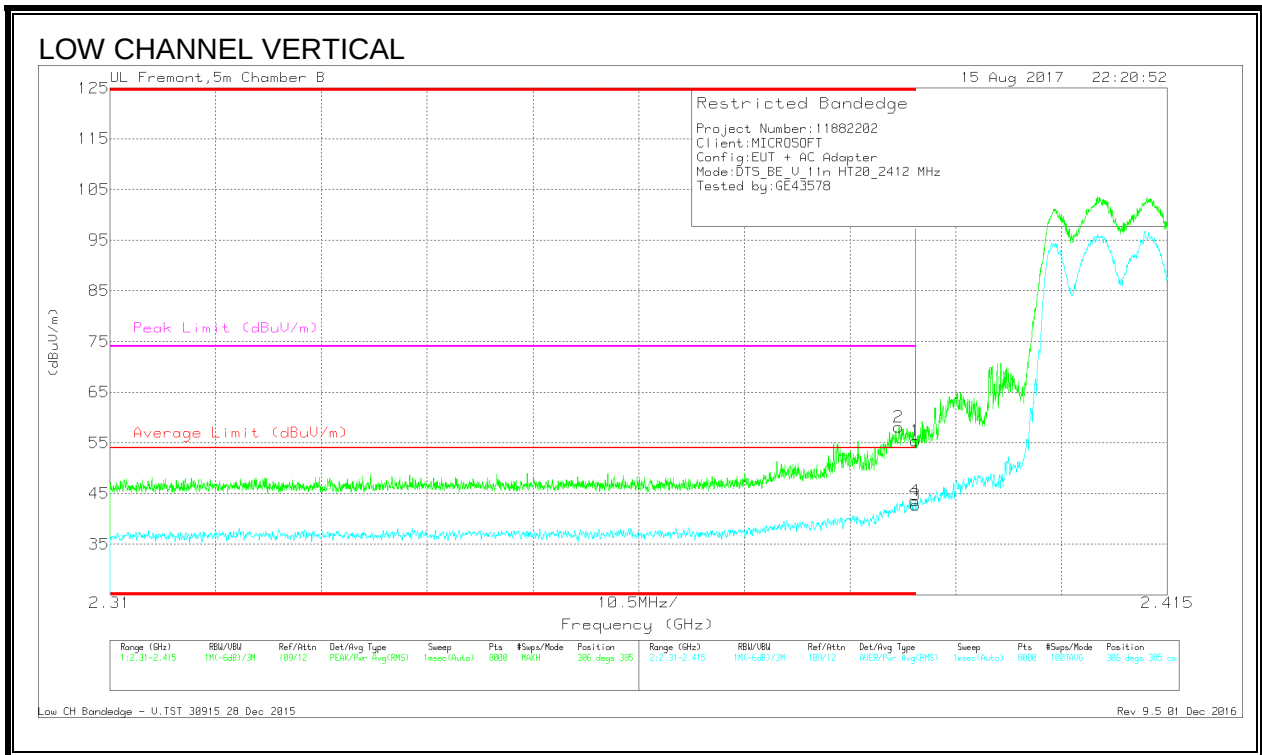
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Aff T863 (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)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.89	Pk	32	-21.2	0	63.69	-	-	74	-10.31	20	275	H
2	* 2.39	52.84	Pk	32	-21.2	0	63.64	-	-	74	-10.36	20	275	H
3	* 2.39	36.8	RMS	32	-21.2	0	47.6	54	-6.4	-	-	201	275	H
4	* 2.39	37.97	RMS	32	-21.2	0	48.77	54	-5.23	-	-	201	275	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

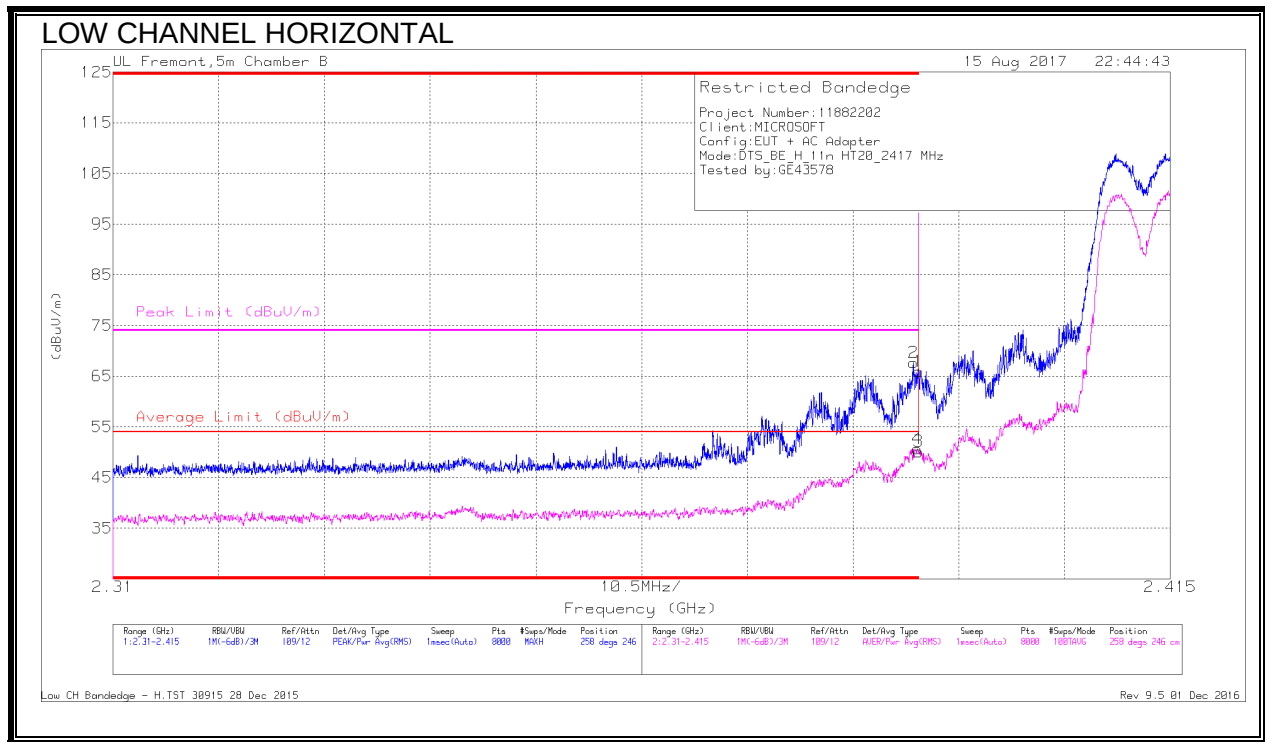
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.61	Pk	32	-21.2	0	55.41	-	-	74	-18.59	306	385	V
2	* 2.388	47.27	Pk	32	-21.2	0	58.07	-	-	74	-15.93	306	385	V
3	* 2.39	31.89	RMS	32	-21.2	0	42.69	54	-11.31	-	-	306	385	V
4	* 2.39	32.81	RMS	32	-21.2	0	43.61	54	-10.39	-	-	306	385	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (LOW CHANNEL, CH 2)



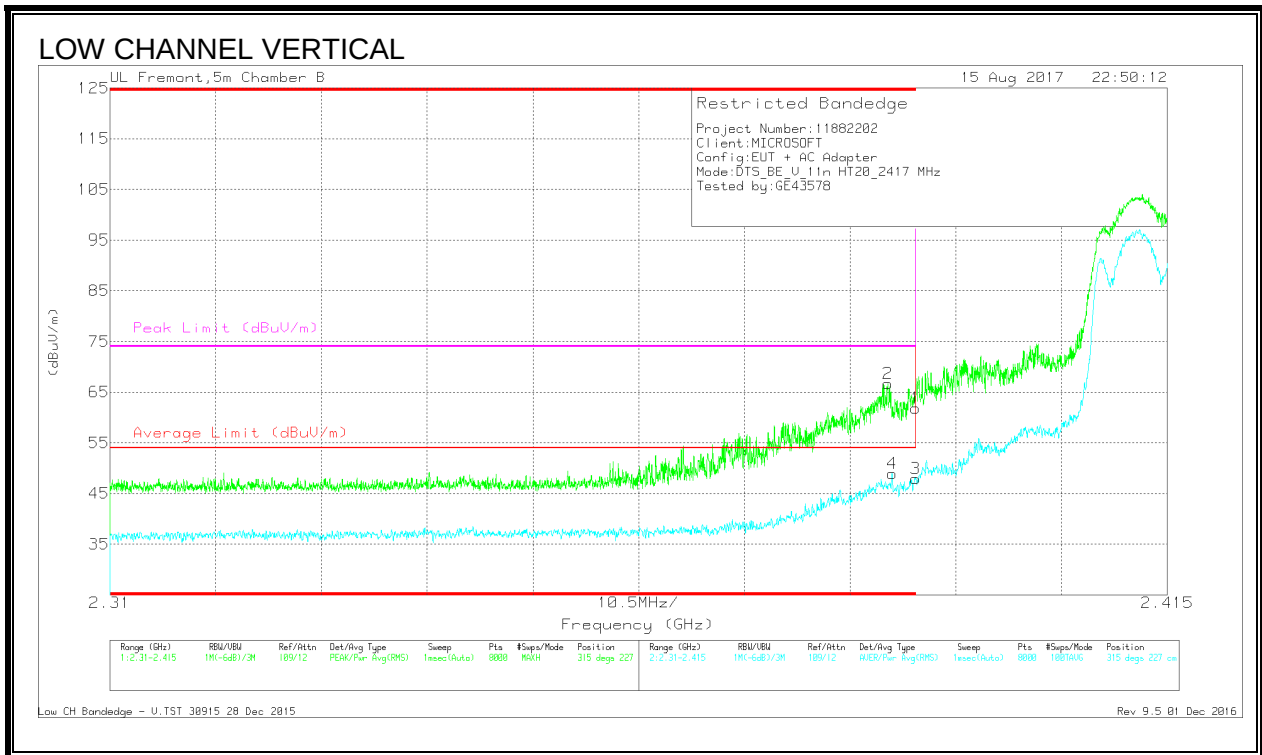
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	55.1	PK	32	-21.2	0	65.9	-	-	74	-8.1	258	246	H
2	* 2.389	56.93	PK	32	-21.2	0	67.73	-	-	74	-6.27	258	246	H
3	* 2.39	39.31	RMS	32	-21.2	0	50.11	54	-3.89	-	-	258	246	H
4	* 2.39	39.88	RMS	32	-21.2	0	50.68	54	-3.32	-	-	258	246	H

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

PK - Peak detector

RMS - RMS detection



Trace Markers

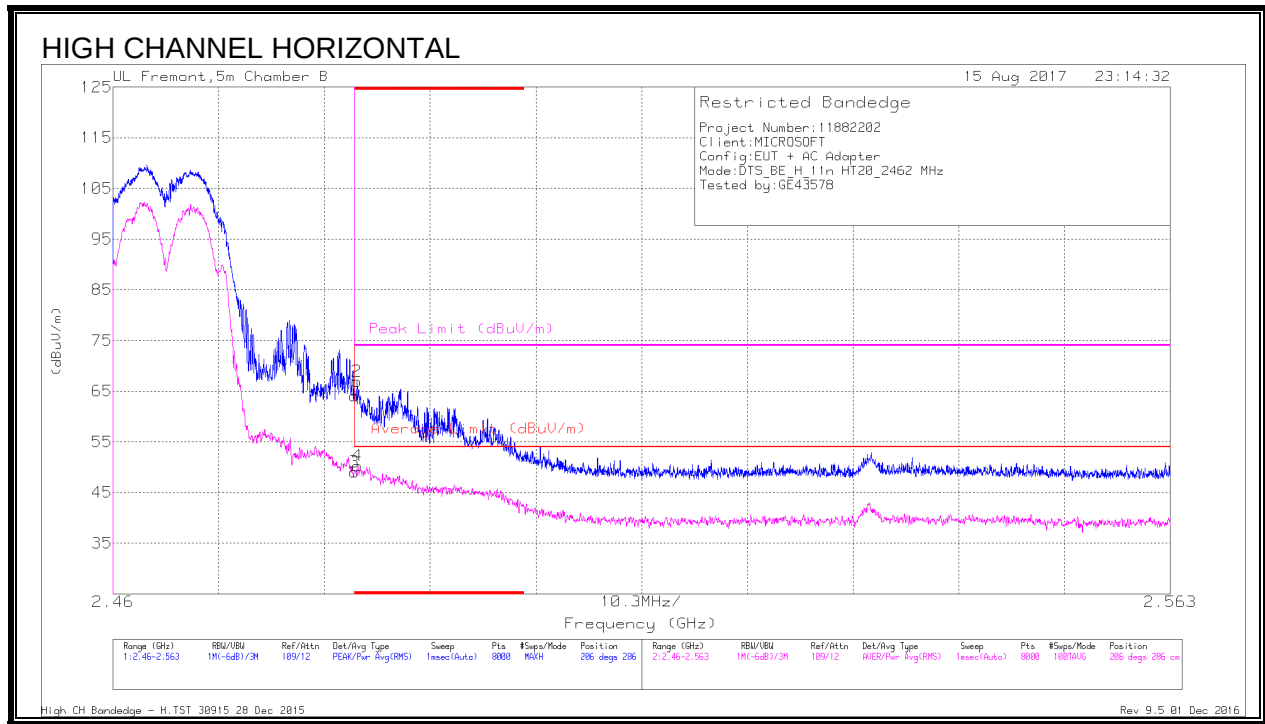
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/CH/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.04	Pk	32	-21.2	0	61.84	-	-	74	-12.16	315	227	V
2	* 2.387	55.83	Pk	32	-21.2	0	66.63	-	-	74	-7.37	315	227	V
3	* 2.39	37.15	RMS	32	-21.2	0	47.95	54	-6.05	-	-	315	227	V
4	* 2.388	38.12	RMS	32	-21.2	0	48.92	54	-5.08	-	-	315	227	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)



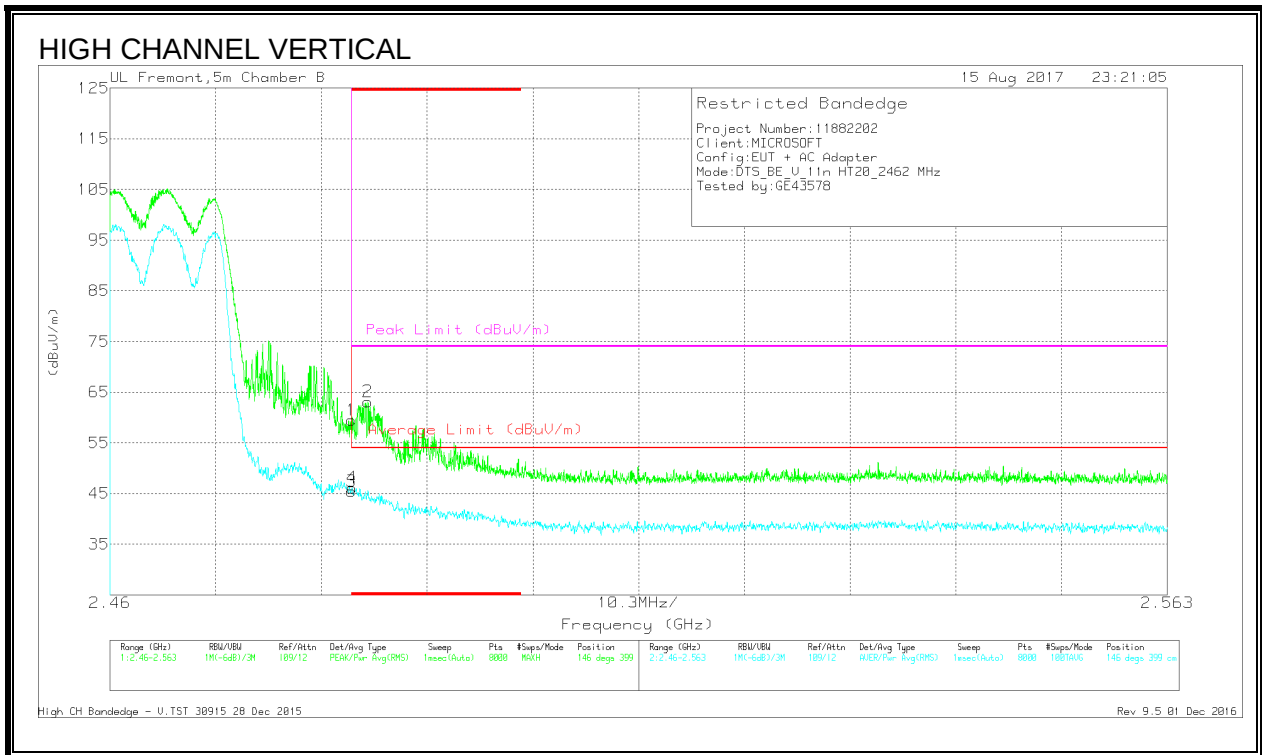
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.49	Pk	32.5	-20.9	0	64.09	-	-	74	-9.91	206	286	H
2	* 2.484	55.29	Pk	32.5	-20.9	0	66.89	-	-	74	-7.11	206	286	H
3	* 2.484	37.43	RMS	32.5	-20.9	0	49.03	54	-4.97	-	-	206	286	H
4	* 2.484	38.69	RMS	32.5	-20.9	0	50.29	54	-3.71	-	-	206	286	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

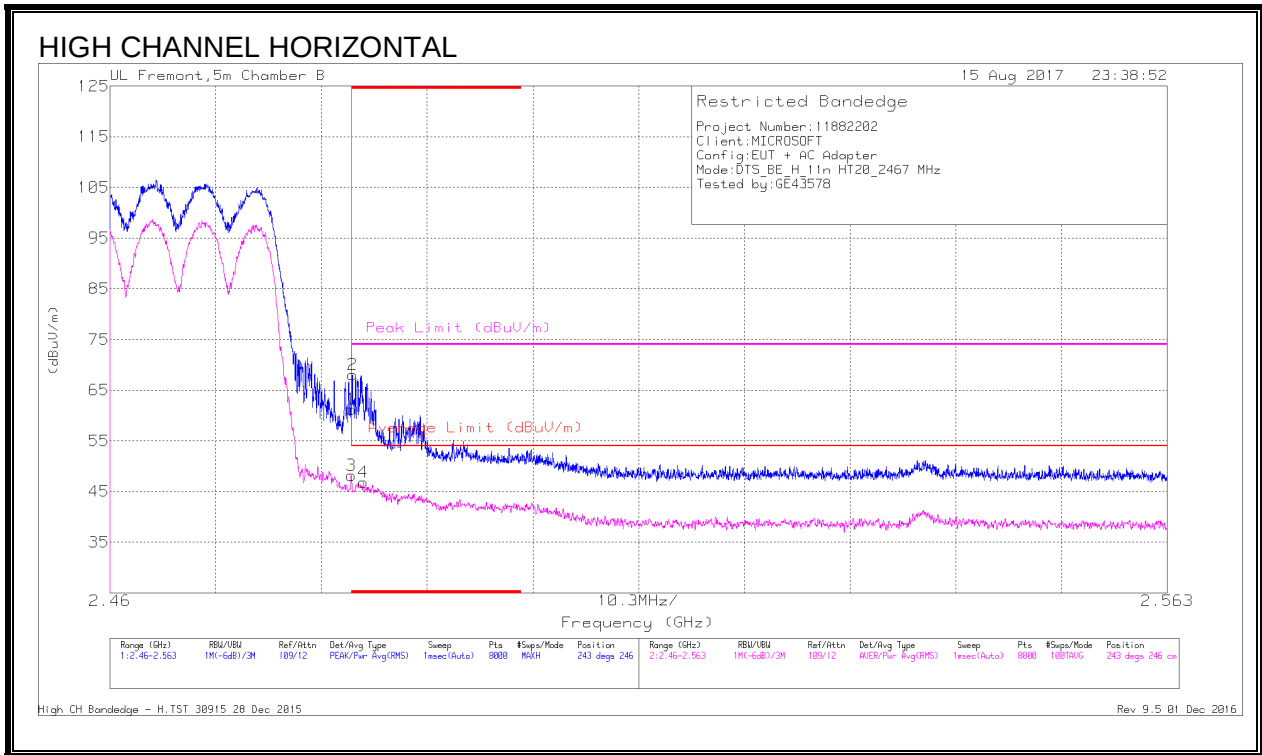
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Pk/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	47.88	Pk	32.5	-20.9	0	59.48	-	-	74	-14.52	146	399	V
2	* 2.485	51.44	Pk	32.5	-20.8	0	63.14	-	-	74	-10.86	146	399	V
3	* 2.484	33.89	RMS	32.5	-20.9	0	45.49	54	-8.51	-	-	146	399	V
4	* 2.484	34.53	RMS	32.5	-20.9	0	46.13	54	-7.87	-	-	146	399	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)



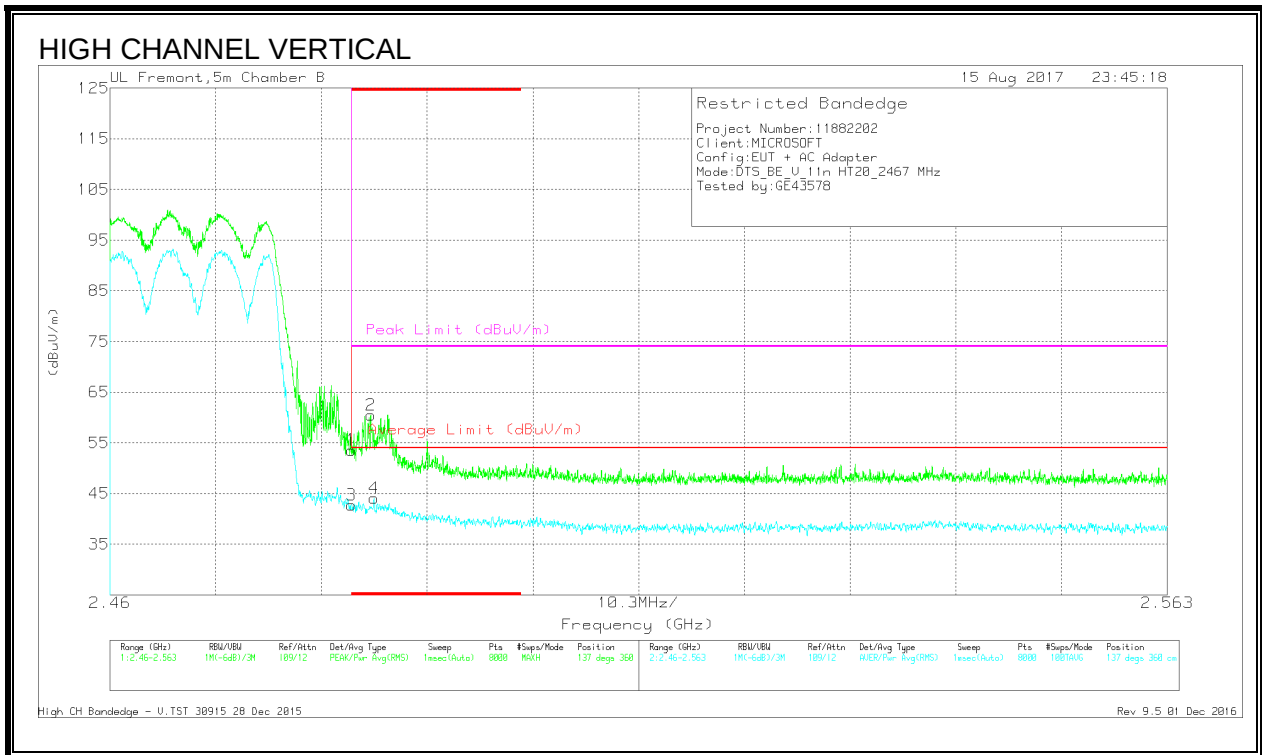
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	49.63	Pk	32.5	-20.9	0	61.23	-	-	74	-12.77	243	246	H
2	* 2.484	56.48	Pk	32.5	-20.9	0	68.08	-	-	74	-5.92	243	246	H
3	* 2.484	36.55	RMS	32.5	-20.9	0	48.15	54	-5.85	-	-	243	246	H
4	* 2.485	35.1	RMS	32.5	-20.8	0	46.8	54	-7.2	-	-	243	246	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

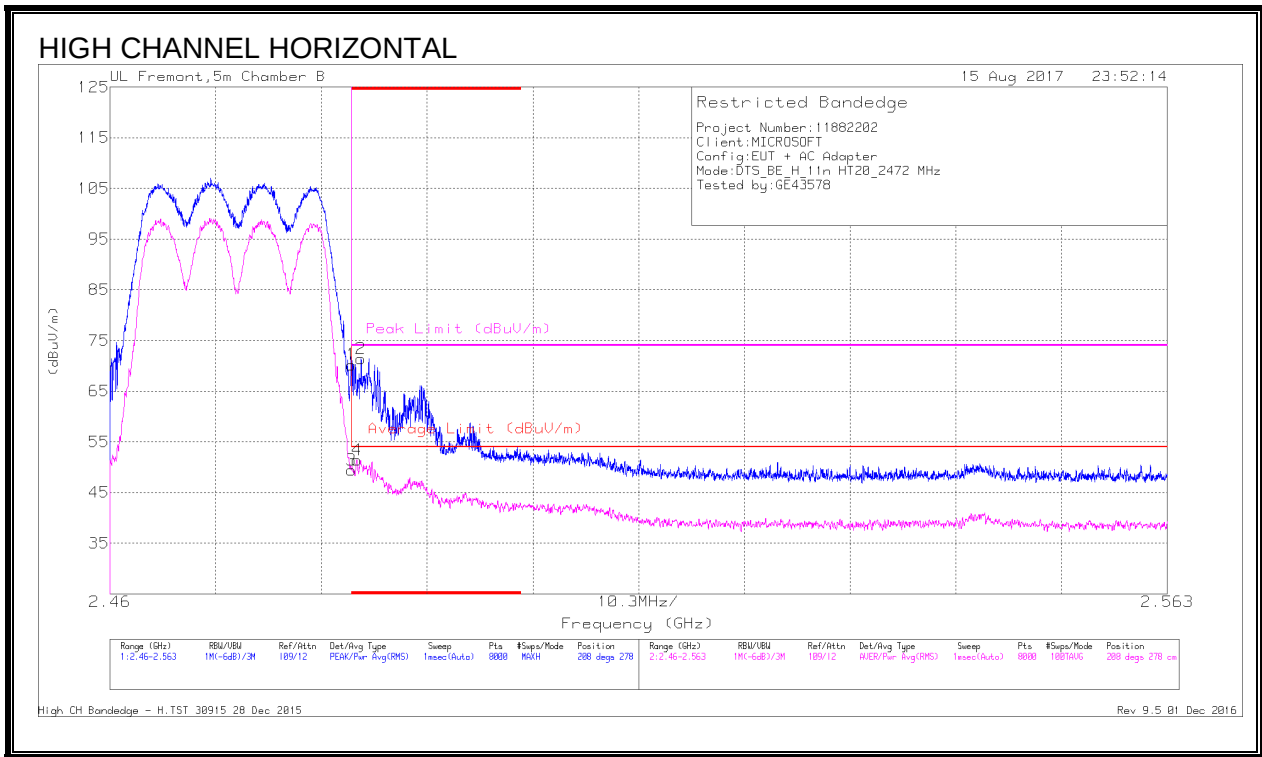
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.98	Pk	32.5	-20.9	0	53.58	-	-	74	-20.42	137	360	V
2	* 2.485	48.79	Pk	32.5	-20.8	0	60.49	-	-	74	-13.51	137	360	V
3	* 2.484	31.07	RMS	32.5	-20.9	0	42.67	54	-11.33	-	-	137	360	V
4	* 2.486	32.37	RMS	32.5	-20.8	0	44.07	54	-9.93	-	-	137	360	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)



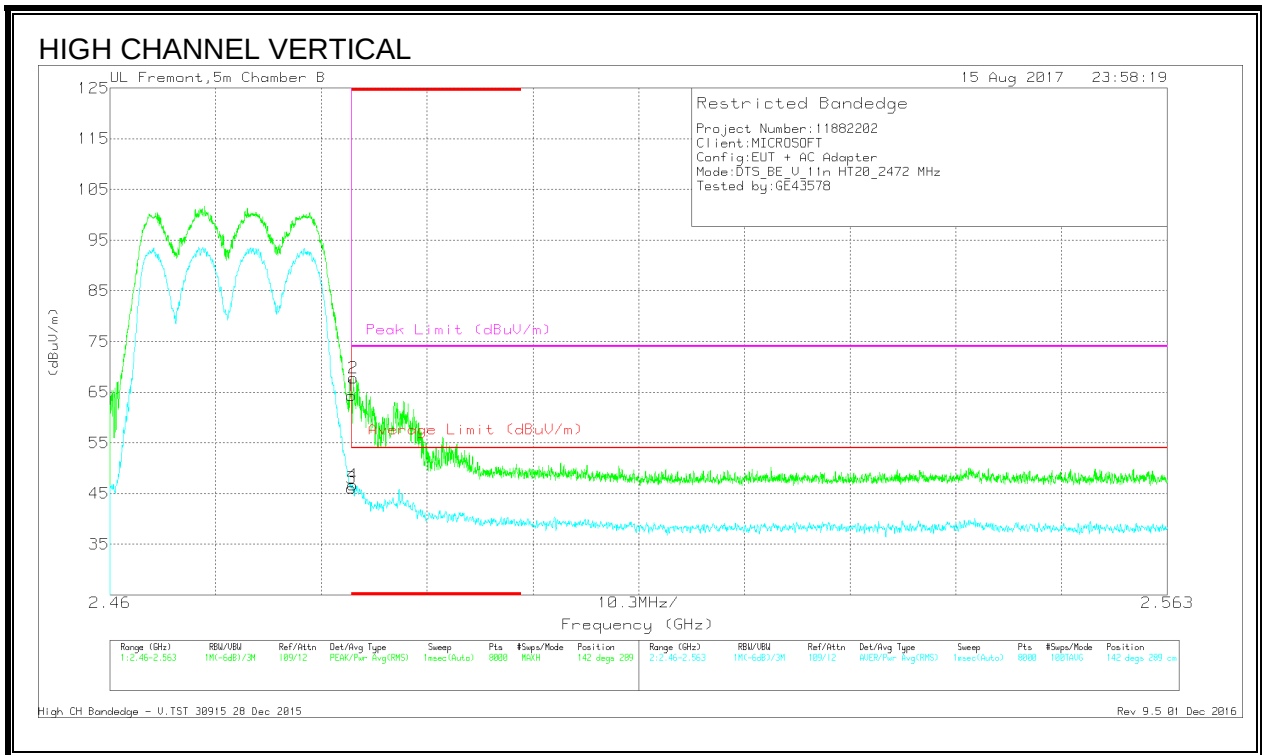
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filt/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	58.62	Pk	32.5	-20.9	0	70.22	-	-	74	-3.78	208	278	H
2	* 2.484	59.85	Pk	32.5	-20.9	0	71.45	-	-	74	-2.55	208	278	H
3	* 2.484	37.85	RMS	32.5	-20.9	0	49.45	54	-4.55	-	-	208	278	H
4	* 2.484	39.77	RMS	32.5	-20.9	0	51.37	54	-2.63	-	-	208	278	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

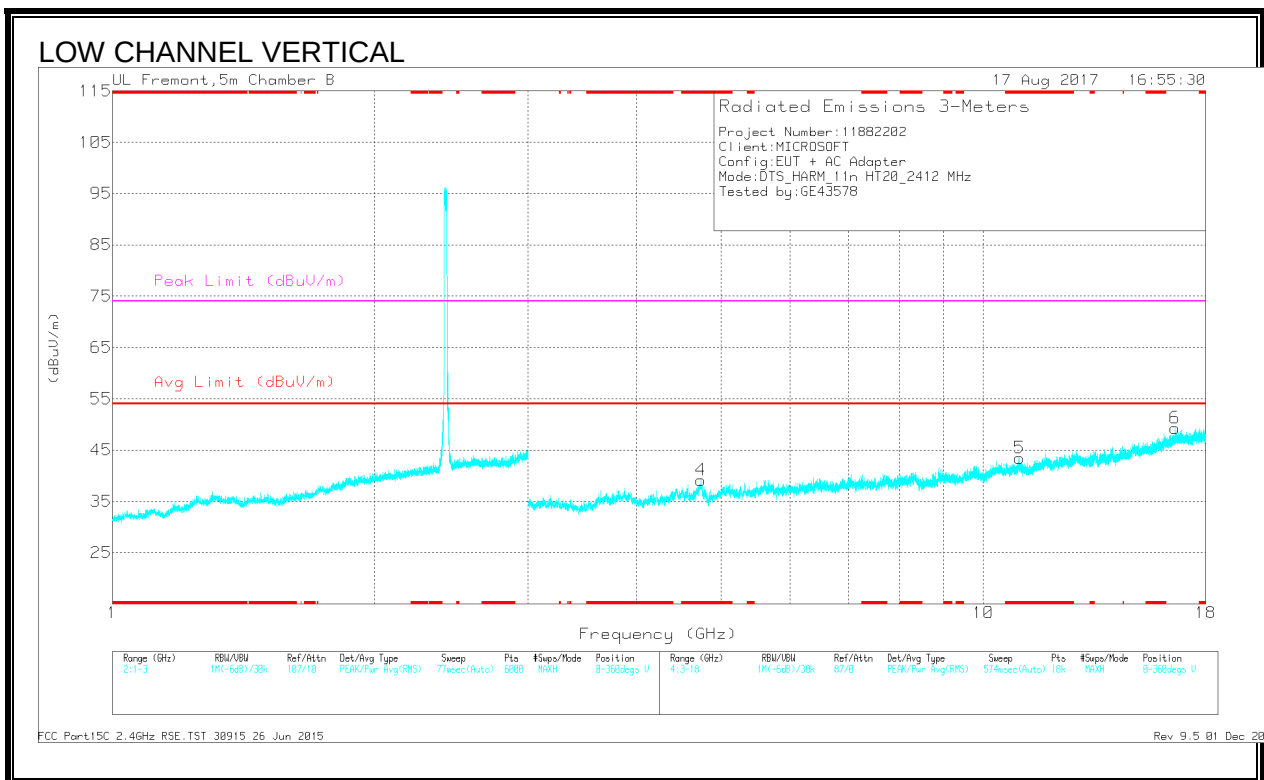
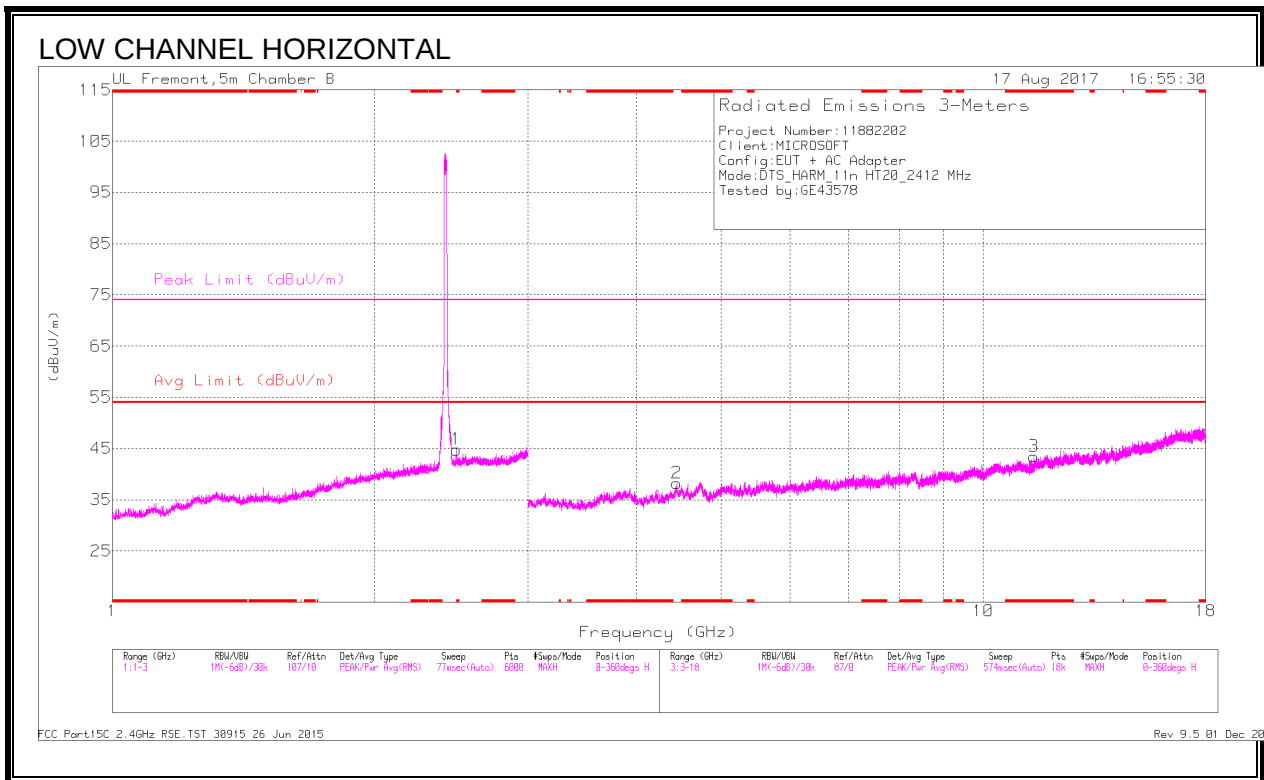
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.72	Pk	32.5	-20.9	0	64.32	-	-	74	-9.68	142	289	V
2	* 2.484	56.2	Pk	32.5	-20.9	0	67.8	-	-	74	-6.2	142	289	V
3	* 2.484	34.44	RMS	32.5	-20.9	0	46.04	54	-7.96	-	-	142	289	V
4	* 2.484	35.05	RMS	32.5	-20.9	0	46.65	54	-7.35	-	-	142	289	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

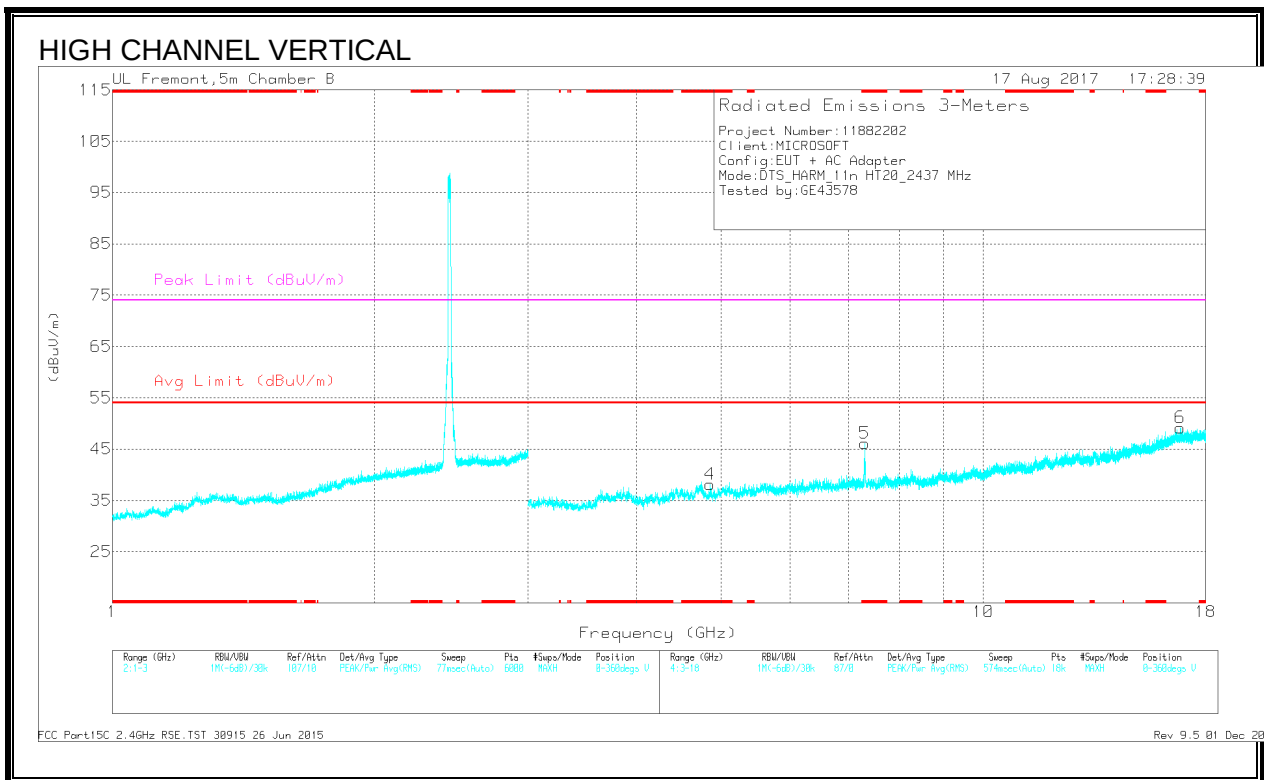
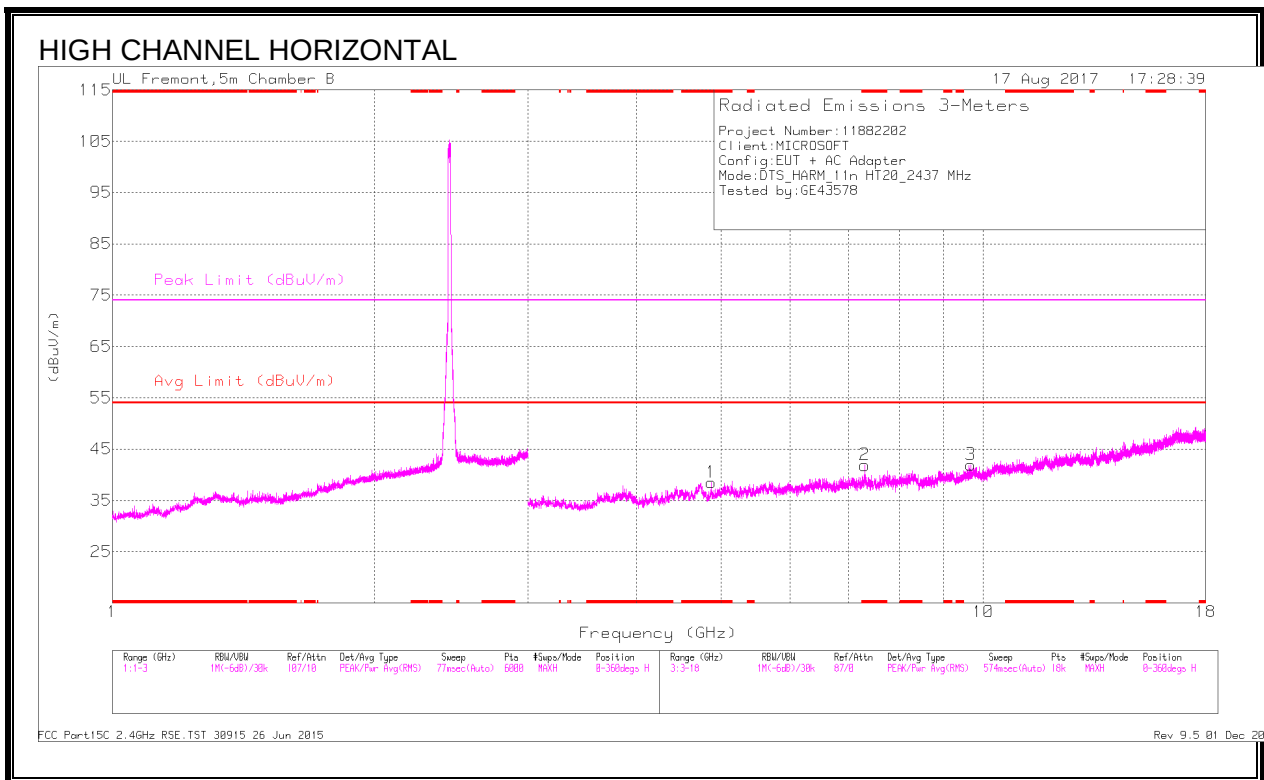
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.21	PK2	32.5	-20.9	0	50.81	-	-	74	-23.19	235	145	H
	* 2.484	28.4	MAv1	32.5	-20.9	0	40	54	-14	-	-	235	145	H
3	* 11.432	33.45	PK2	38	-22.1	0	49.35	-	-	74	-24.65	167	104	H
	* 11.432	21.18	MAv1	38	-22	0	37.18	54	-16.82	-	-	167	104	H
4	* 4.742	40.34	PK2	34.2	-28.3	0	46.24	-	-	74	-27.76	200	200	V
	* 4.742	27.71	MAv1	34.2	-28.3	0	33.61	54	-20.39	-	-	200	200	V
5	* 11.003	33.8	PK2	37.7	-21.9	0	49.6	-	-	74	-24.4	0	200	V
	* 11.004	21.55	MAv1	37.7	-21.9	0	37.35	54	-16.65	-	-	0	200	V
2	4.445	39	PK2	33.8	-28.2	0	44.6	-	-	-	-	105	104	H
6	16.602	31.18	PK2	42	-19.3	0	53.88	-	-	-	-	109	200	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

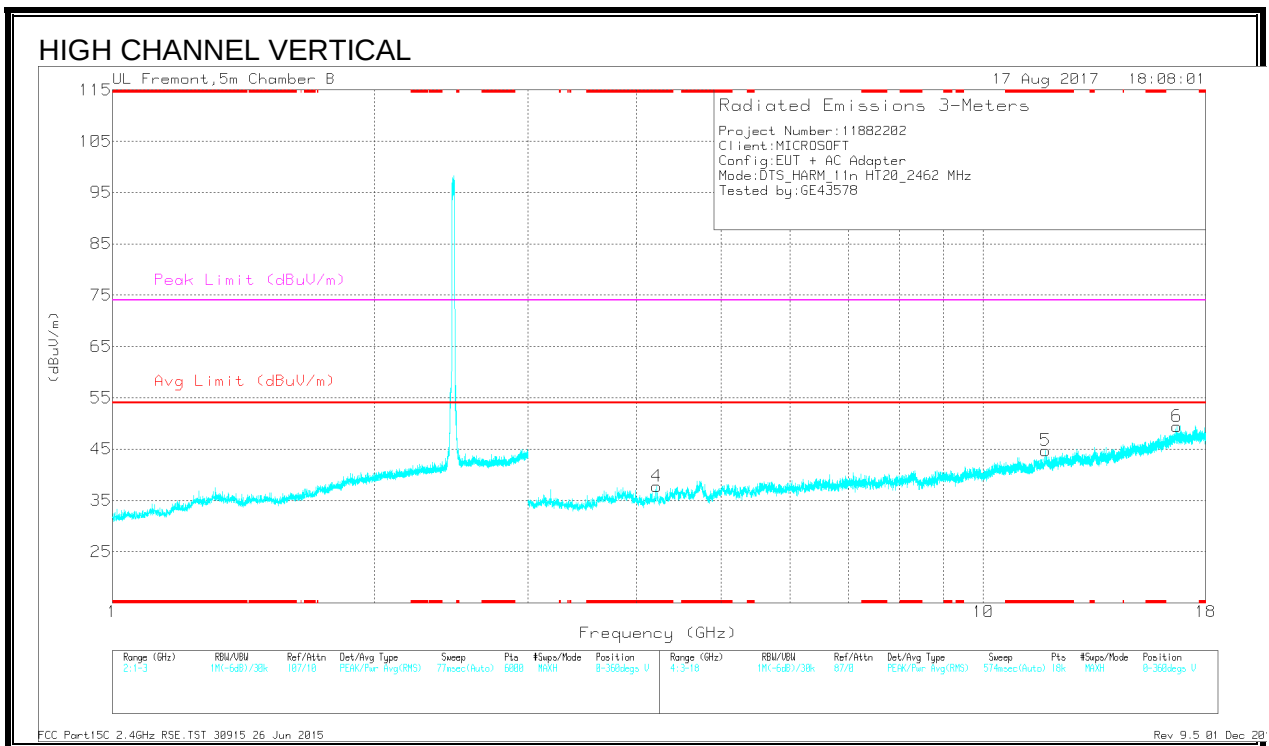
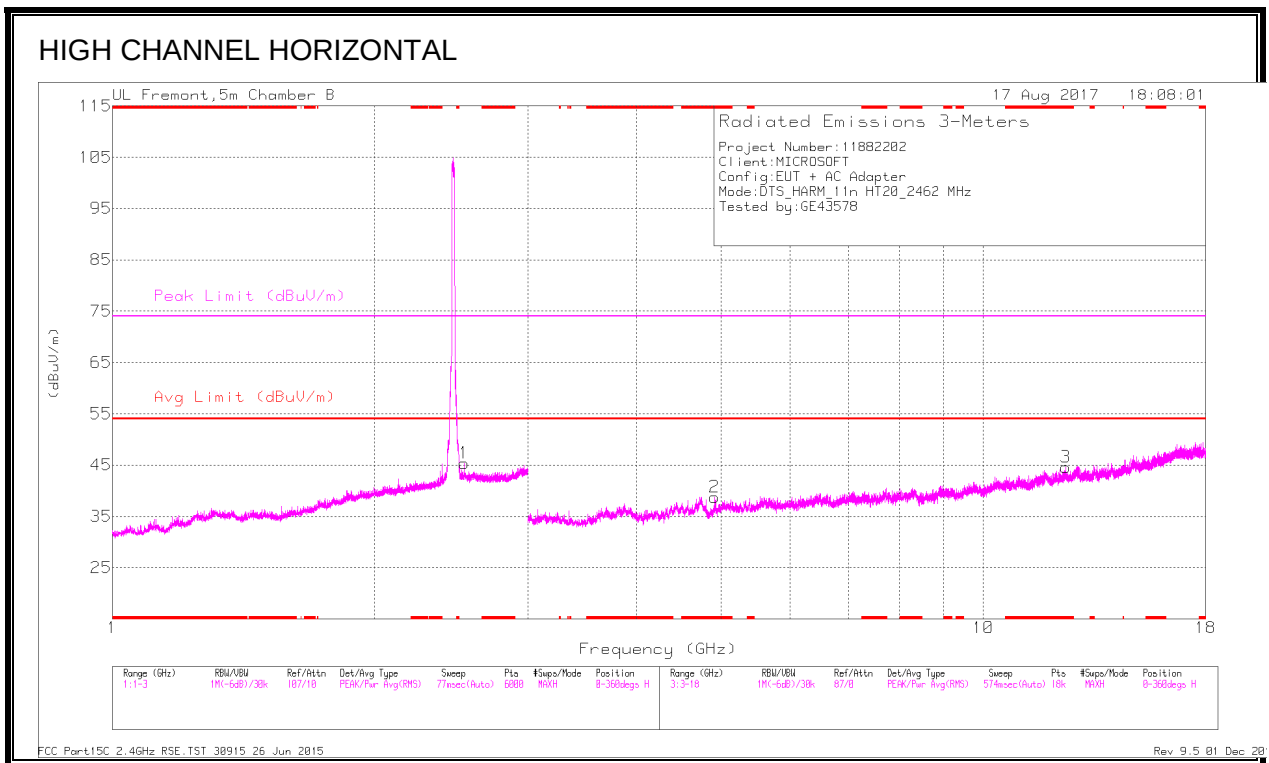
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.867	39.67	PK2	34.4	-30	0	44.07	-	-	74	-29.93	269	102	H
	* 4.874	29.69	MAv1	34.4	-30.1	0	33.99	54	-20.01	-	-	269	102	H
2	* 7.306	43.78	PK2	35.8	-27.2	0	52.38	-	-	74	-21.62	219	225	H
	* 7.311	28.52	MAv1	35.9	-27.1	0	37.32	54	-16.68	-	-	219	225	H
4	* 4.854	38.56	PK2	34.4	-29.7	0	43.26	-	-	74	-30.74	148	201	V
	* 4.852	26.2	MAv1	34.4	-29.8	0	30.8	54	-23.2	-	-	148	201	V
5	* 7.313	47.51	PK2	35.9	-27.3	0	56.11	-	-	74	-17.89	207	139	V
	* 7.309	30.96	MAv1	35.9	-27.1	0	39.76	54	-14.24	-	-	207	139	V
3	9.675	34.56	PK2	36.9	-23.5	0	47.96	-	-	-	-	45	201	H
6	16.822	31.36	PK2	42.3	-18.3	0	55.36	-	-	-	-	10	201	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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Ch/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
2	* 4.918	41.69	PK2	34.4	-30.4	0	45.69	-	-	74	-28.31	266	188	H
	* 4.924	31.82	MAv1	34.4	-30.2	0	36.02	54	-17.98	-	-	266	188	H
3	* 12.438	33.47	PK2	39	-21.9	0	50.57	-	-	74	-23.43	114	199	H
	* 12.436	21.2	MAv1	39	-21.9	0	38.3	54	-15.7	-	-	114	199	H
4	* 4.215	39.64	PK2	33.4	-29.4	0	43.64	-	-	74	-30.36	341	104	V
	* 4.215	27.39	MAv1	33.4	-29.4	0	31.39	54	-22.61	-	-	341	104	V
5	* 11.793	33.69	PK2	38.6	-21.4	0	50.89	-	-	74	-23.11	333	104	V
	* 11.793	21.07	MAv1	38.6	-21.3	0	38.37	54	-15.63	-	-	333	104	V
1	2.534	39.75	PK2	32.5	-20.9	0	51.35	-	-	-	-	255	199	H
6	16.689	30.98	PK2	42.2	-19.3	0	53.88	-	-	-	-	120	200	V

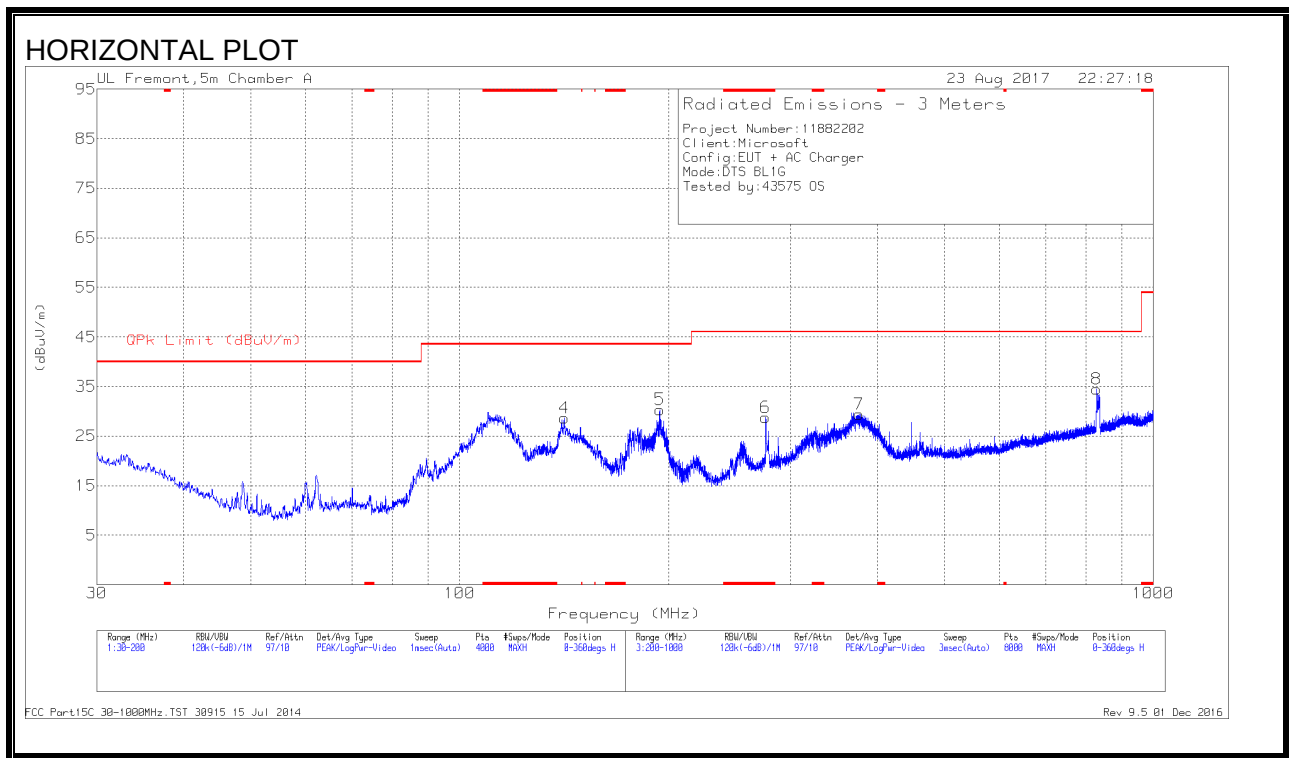
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

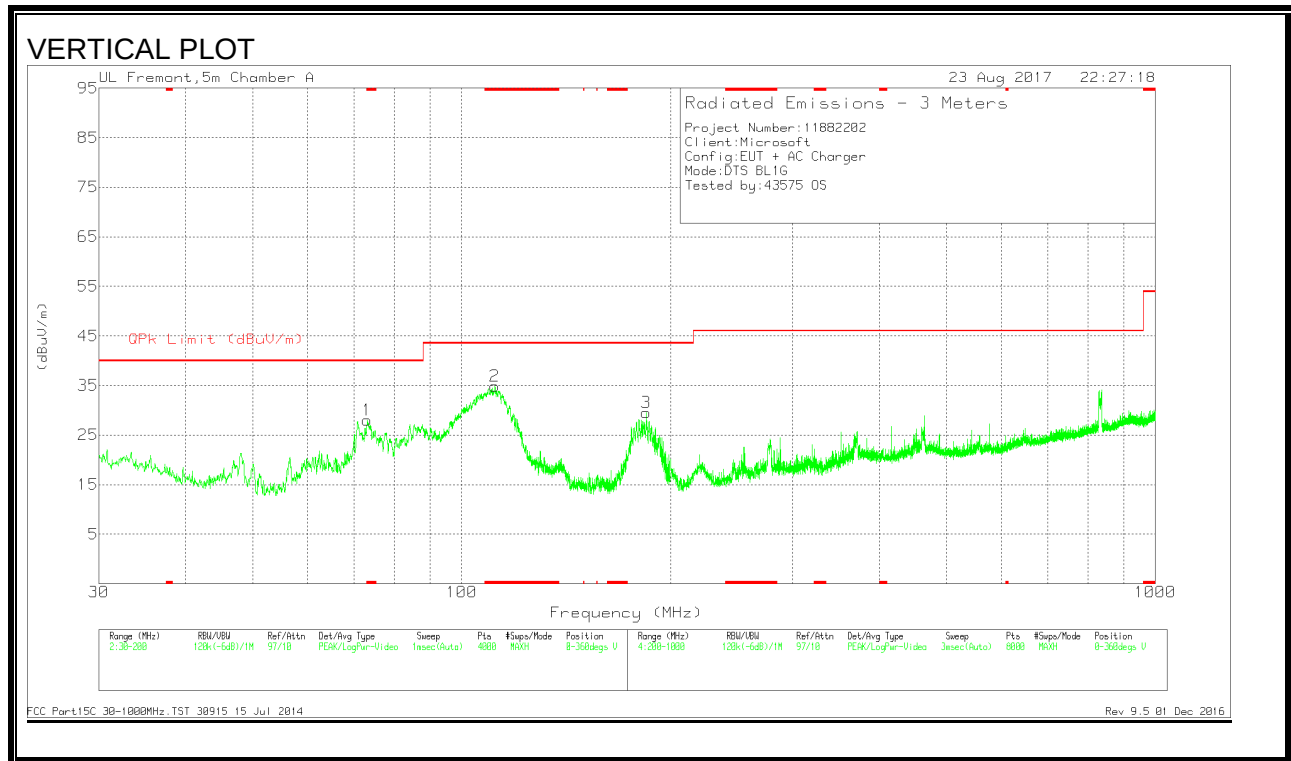
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3 WORST-CASE BELOW 1 GHz

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





Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 73.1062	46.29	Pk	12.5	-30.8	27.99	40	-12.01	0-360	100	V
2	* 111.6636	48.51	Pk	16.9	-30.5	34.91	43.52	-8.61	0-360	100	V
6	* 276.2099	40.86	Pk	17.4	-29.5	28.76	46.02	-17.26	0-360	101	H
4	141.5064	41.8	Pk	17.1	-30.3	28.6	43.52	-14.92	0-360	200	H
3	184.57	44.24	Pk	15.3	-30	29.54	43.52	-13.98	0-360	100	V
5	194.22	44.56	Pk	15.8	-30	30.36	43.52	-13.16	0-360	200	H
7	376.4229	39.53	Pk	19	-29.1	29.43	46.02	-16.59	0-360	101	H
8	828.8817	36.84	Pk	25.7	-28	34.54	46.02	-11.48	0-360	101	H

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

Pk - Peak detector

Radiated Emissions

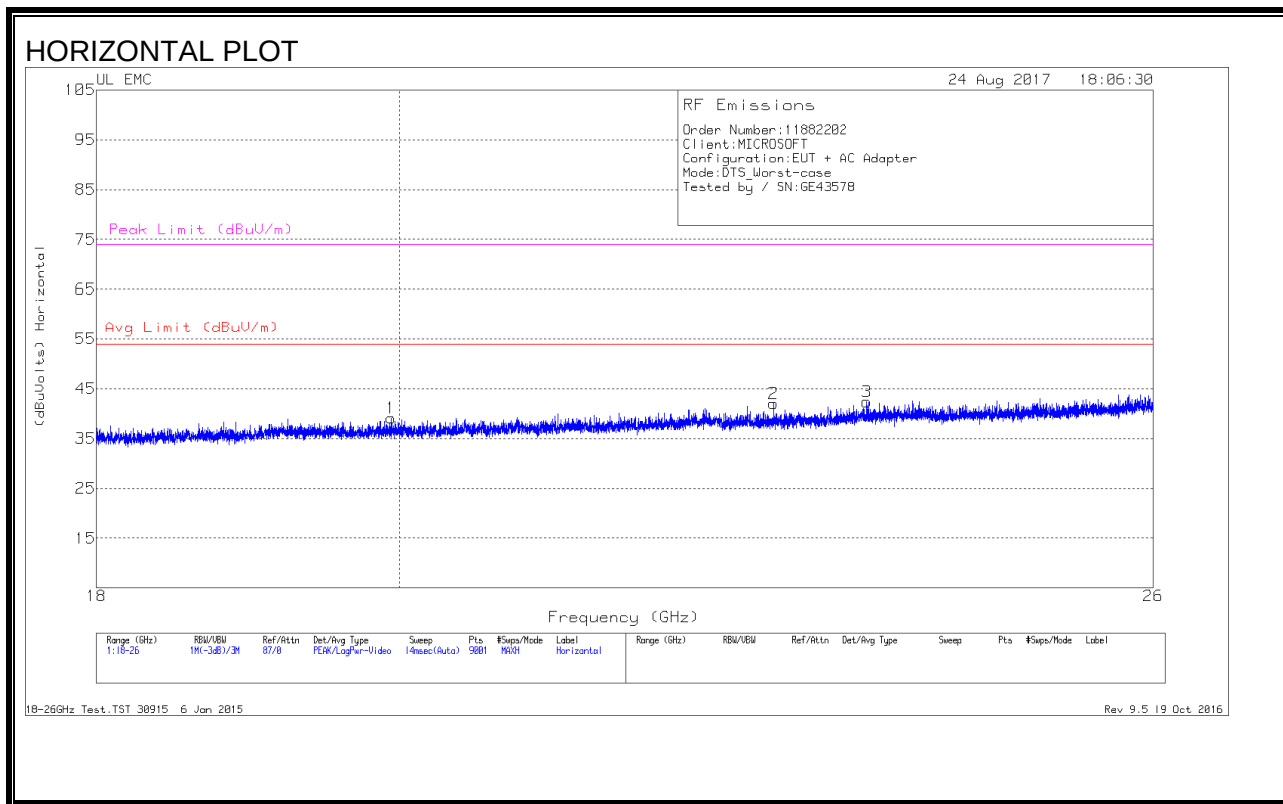
Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 111.6055	35.03	Qp	16.9	-30.5	21.43	43.52	-22.09	169	121	V

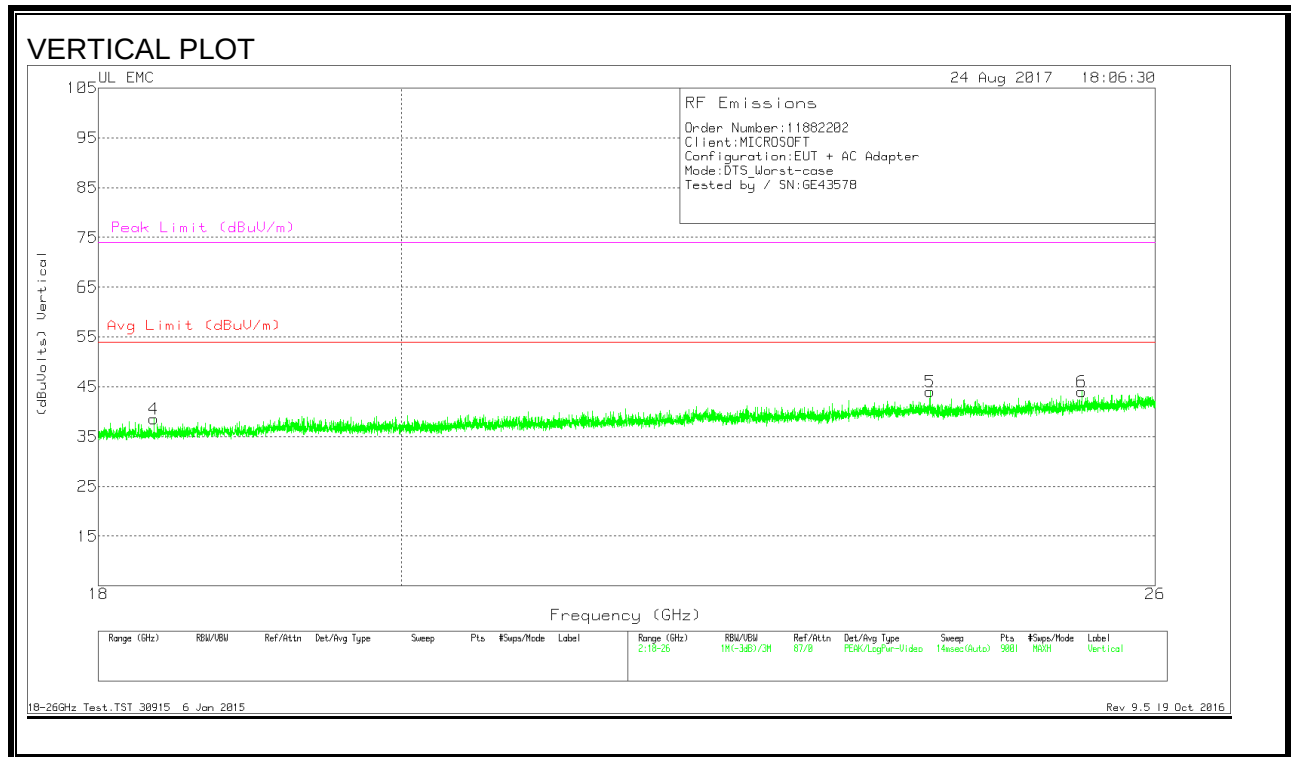
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Qp - Quasi-Peak detector

10.5. WORST-CASE 18 to 26 GHz

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





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	19.943	37.71	Pk	32.8	-21.9	-9.5	39.11	54	-14.89	74	-34.89
2	22.782	39.26	Pk	33.4	-21.1	-9.5	42.06	54	-11.94	74	-31.94
3	23.532	38.49	Pk	34	-20.6	-9.5	42.39	54	-11.61	74	-31.61
4	18.35	38.47	Pk	32.3	-22.7	-9.5	38.57	54	-15.43	74	-35.43
5	24.039	39.74	Pk	33.9	-20.1	-9.5	44.04	54	-9.96	74	-29.96
6	25.344	39.53	Pk	34.3	-20.3	-9.5	44.03	54	-9.97	74	-29.97

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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.

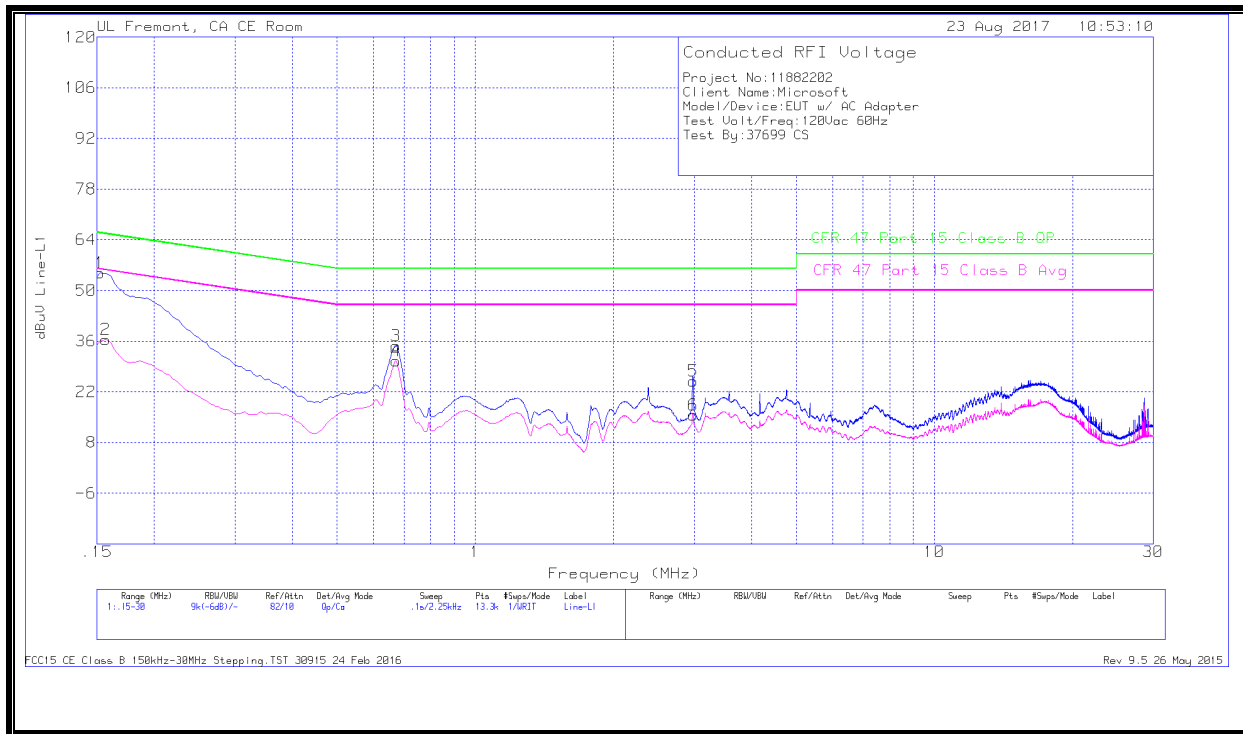
TEST PROCEDURE

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

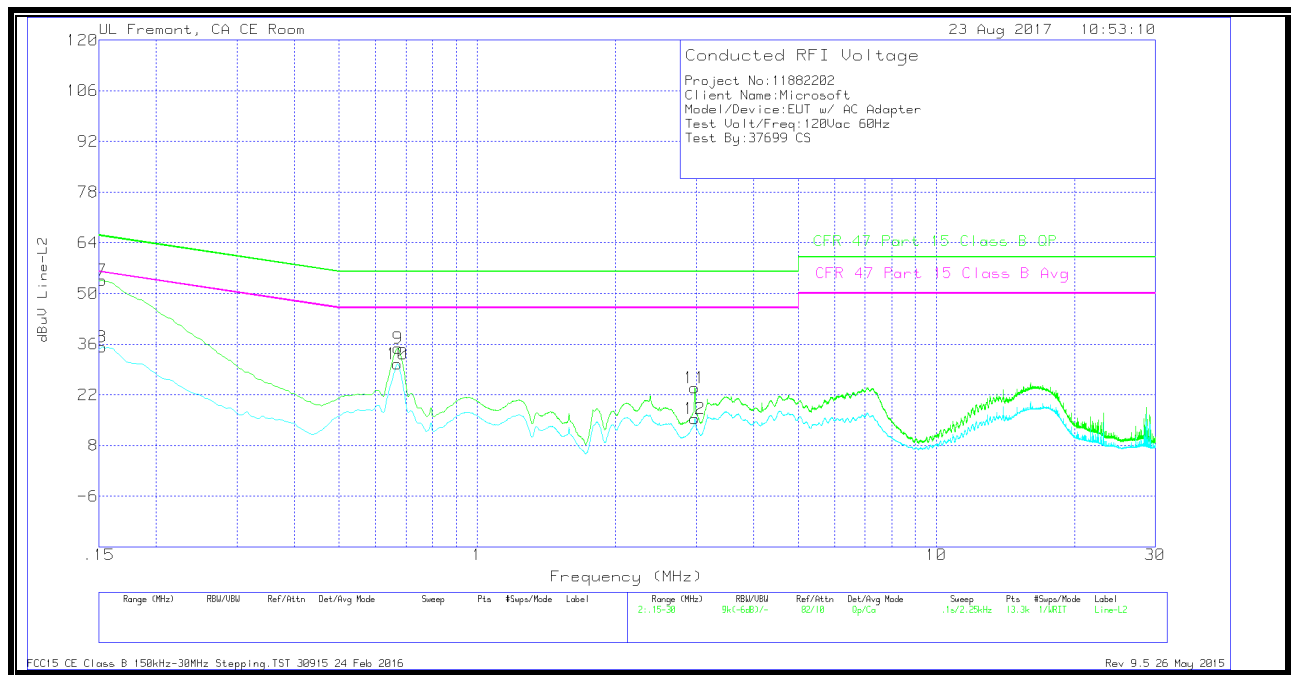
Range 1: Line-L1 .15 - 30MHz

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	.15225	44.5	Qp	.1	.1	10.1	54.8	65.88	-11.08	-	-
2	.15675	26.12	Ca	.1	.1	10.1	36.42	-	-	55.63	-19.21
3	.672	24.58	Qp	0	.1	10.1	34.78	56	-21.22	-	-
4	.672	20.39	Ca	0	.1	10.1	30.59	-	-	46	-15.41
5	2.98275	14.84	Qp	0	.1	10.1	25.04	56	-30.96	-	-
6	2.98275	5.45	Ca	0	.1	10.1	15.65	-	-	46	-30.35

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)
7	.15225	43.6	Qp	0	0	10.1	53.7	65.88	-12.18	-	-
8	.15225	25.08	Ca	0	0	10.1	35.18	-	-	55.88	-20.7
9	.672	24.69	Qp	0	.1	10.1	34.89	56	-21.11	-	-
10	.66975	20.4	Ca	0	.1	10.1	30.6	-	-	46	-15.4
11	2.97825	13.72	Qp	0	.1	10.1	23.92	56	-32.08	-	-
12	2.97825	5.28	Ca	0	.1	10.1	15.48	-	-	46	-30.52

Qp - Quasi-Peak detector

Ca - CISPR average detection