

8.5. 11n HT20 2TX CDD MIMO MODE IN THE 2.4GHz BAND

8.5.1. 6 dB BANDWIDTH

LIMITS

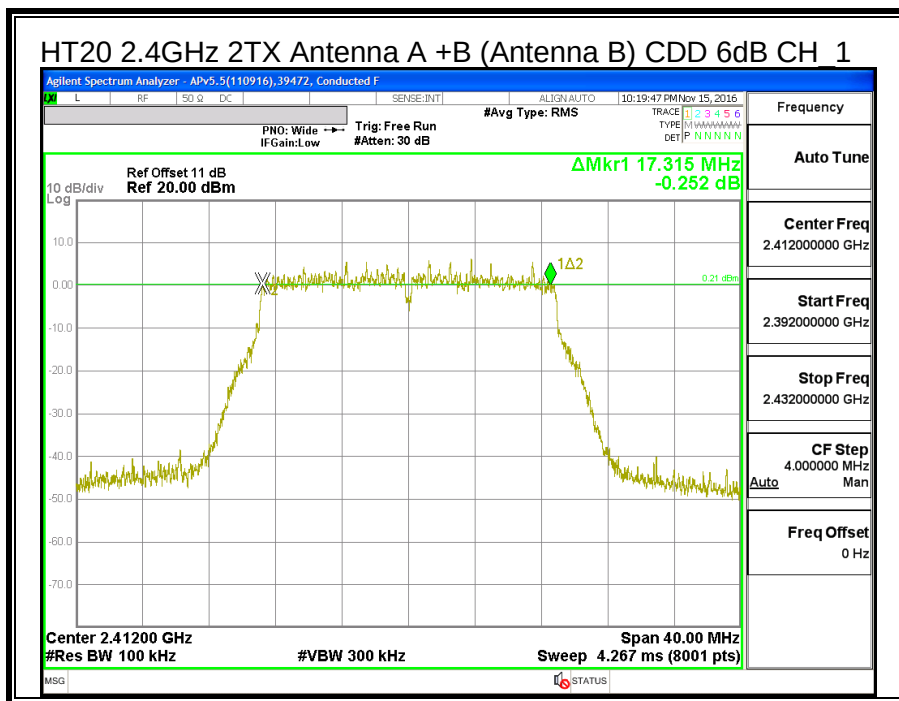
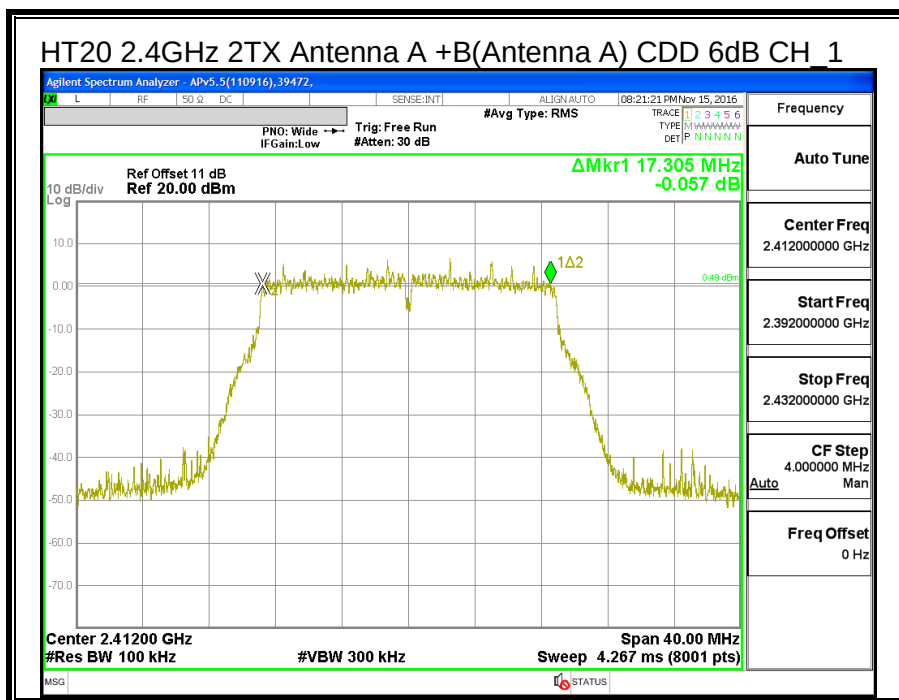
FCC §15.247 (a) (2)

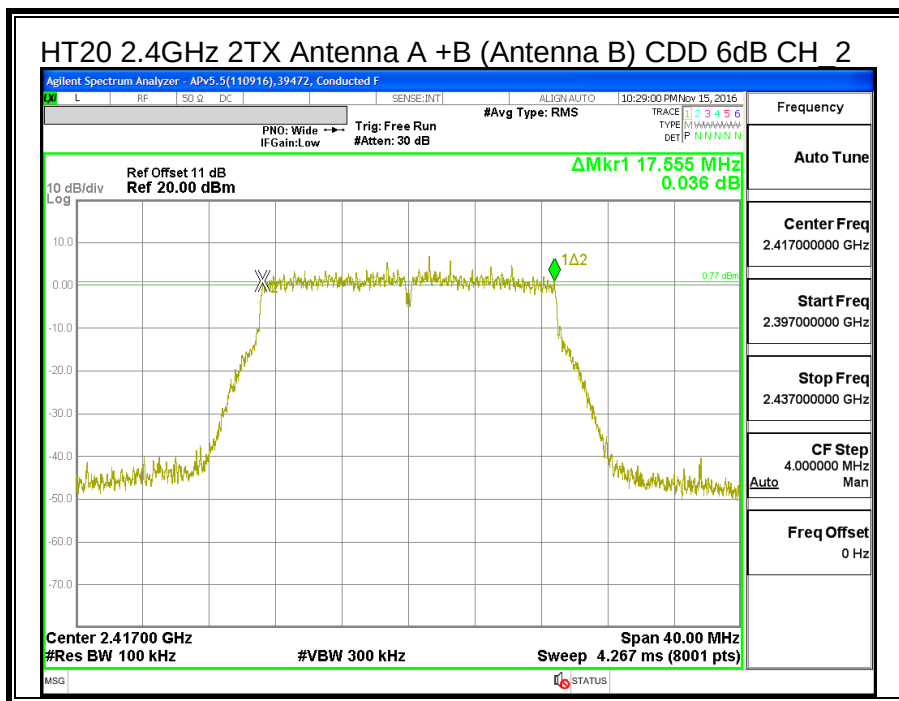
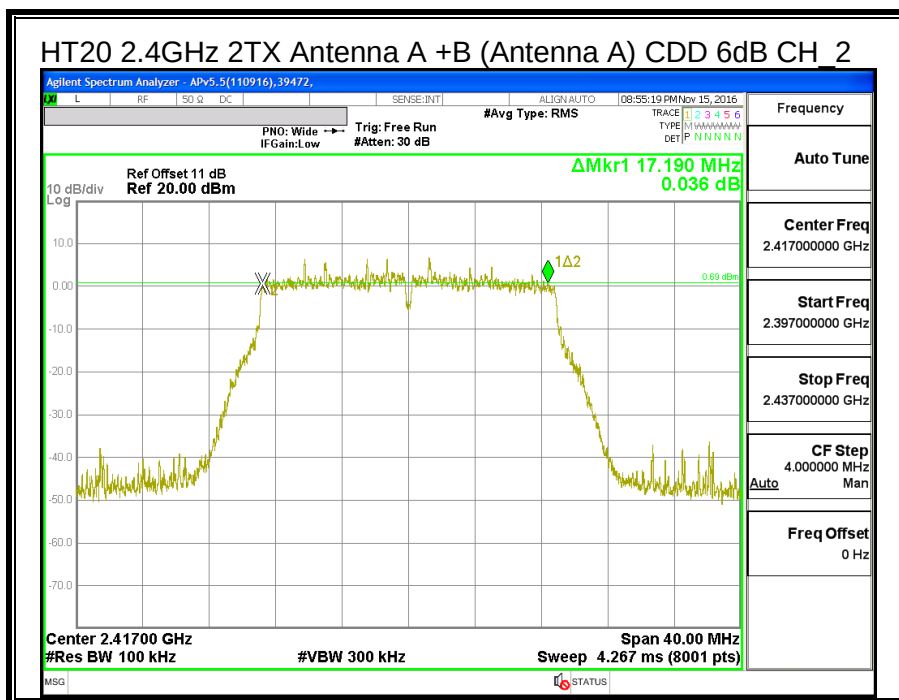
IC RSS-247 (5.2) (1)

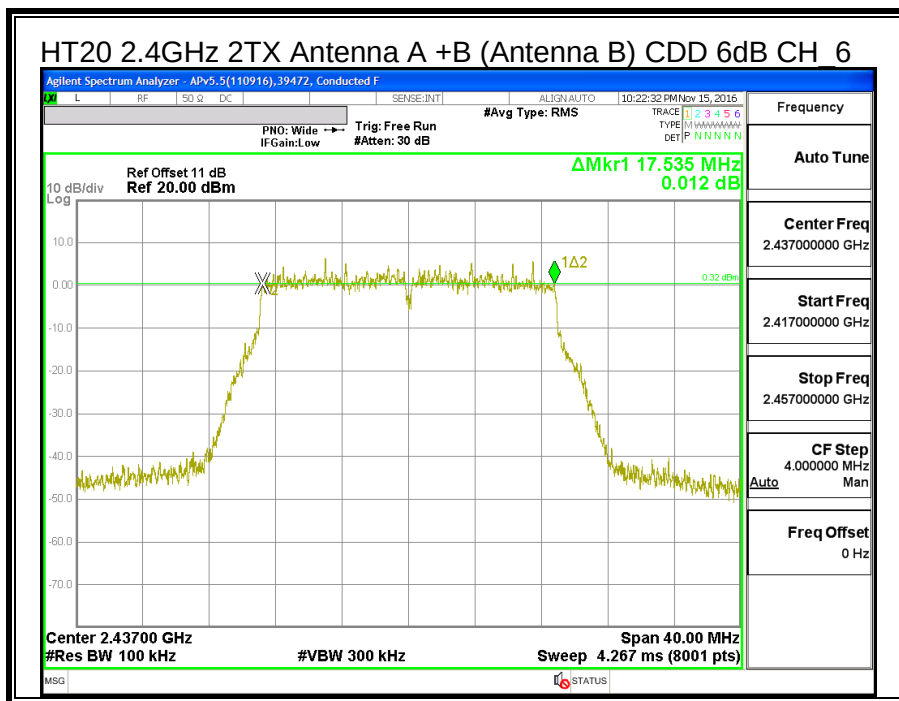
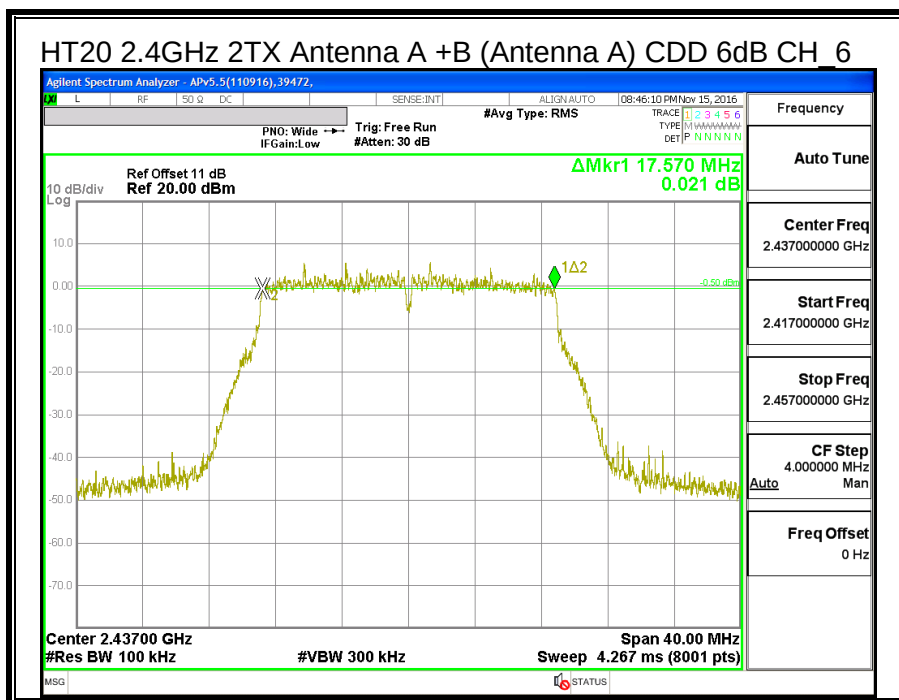
The minimum 6 dB bandwidth shall be at least 500 kHz.

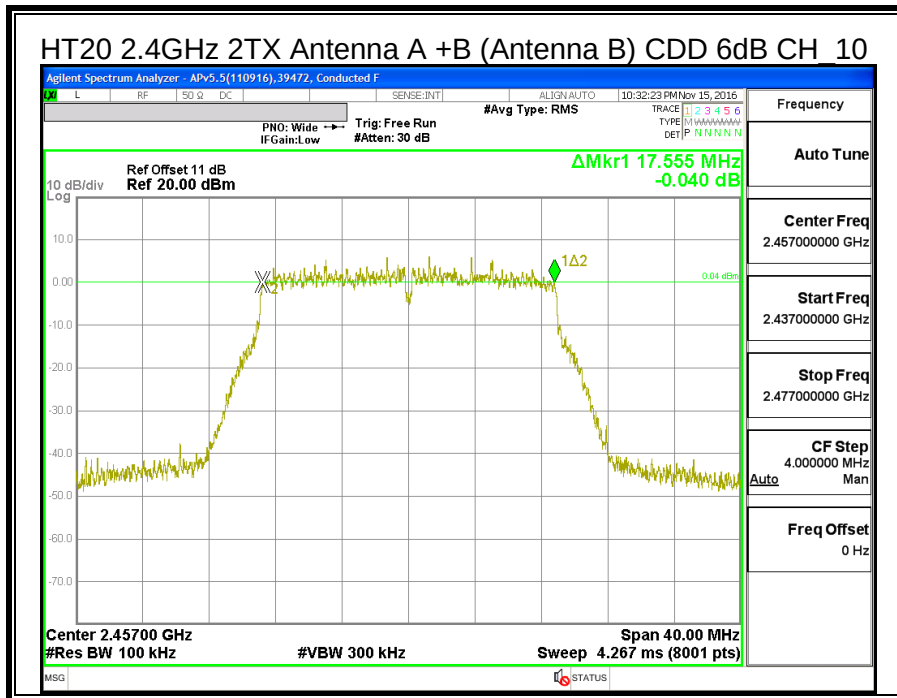
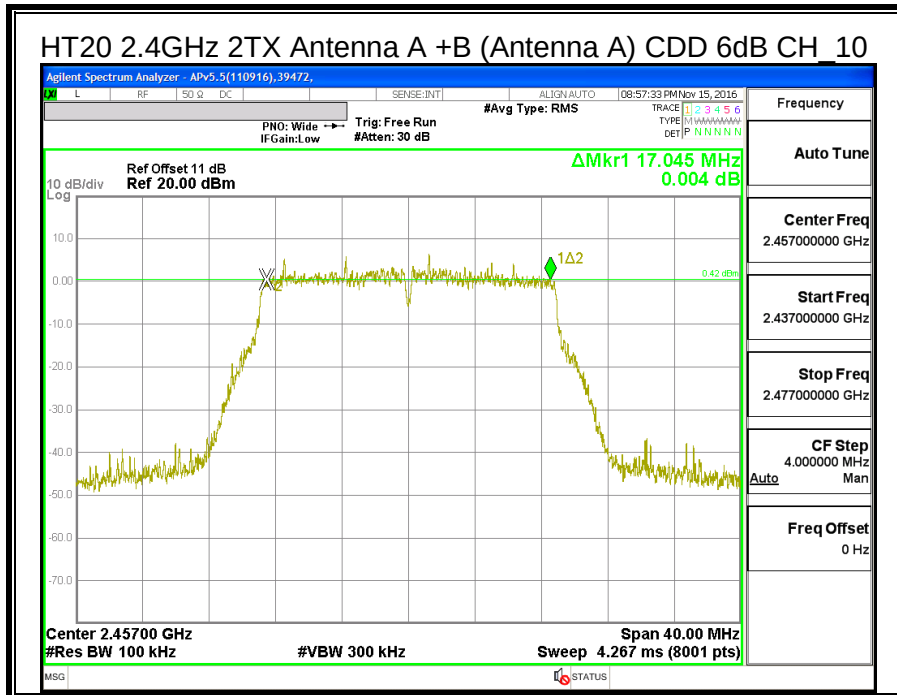
RESULTS

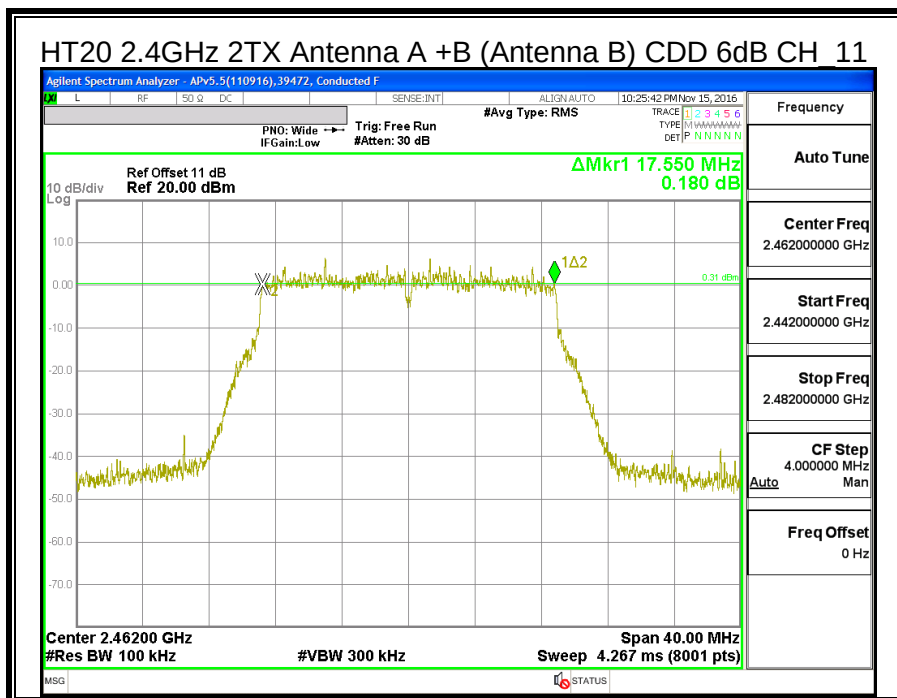
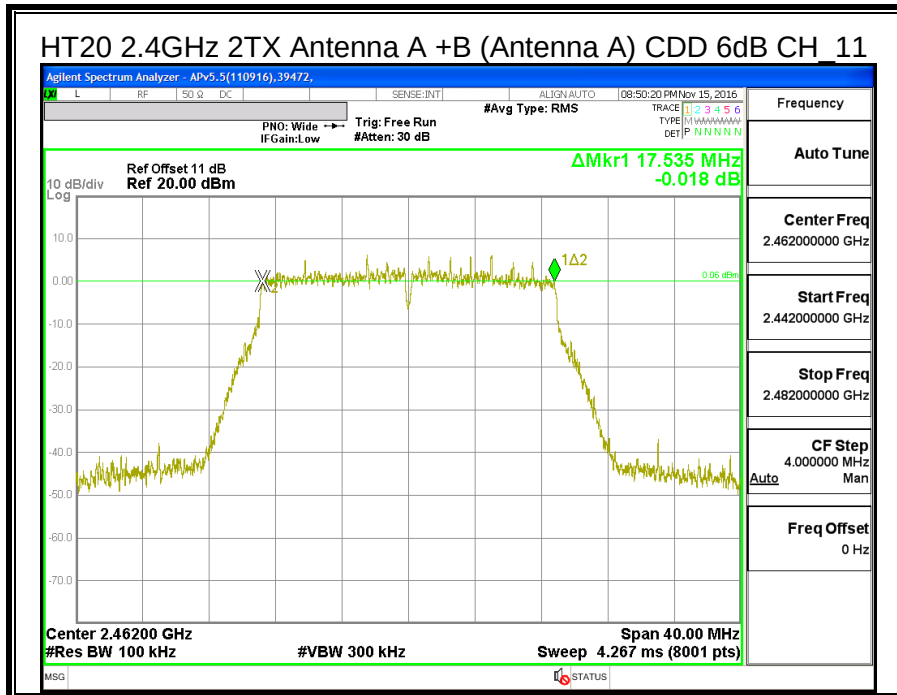
Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Low_1	2412	17.305	17.315	0.5
Low_2	2417	17.190	17.555	0.5
Middle_6	2437	17.570	17.535	0.5
High_10	2457	17.045	17.555	0.5
High_11	2462	17.535	17.550	0.5
High_12	2467	14.835	17.570	0.5
High_13	2472	17.530	17.540	0.5

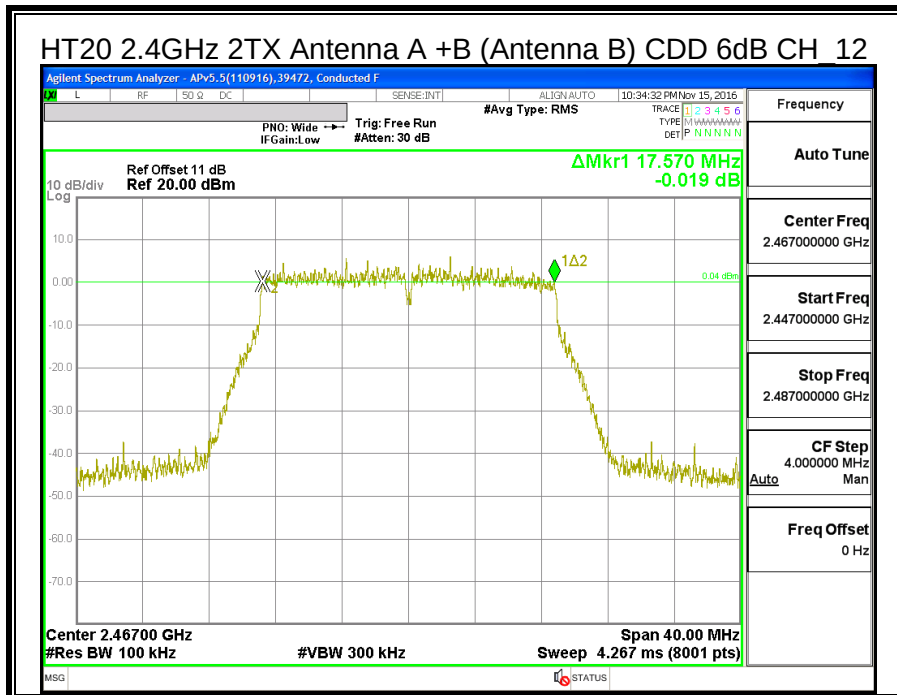
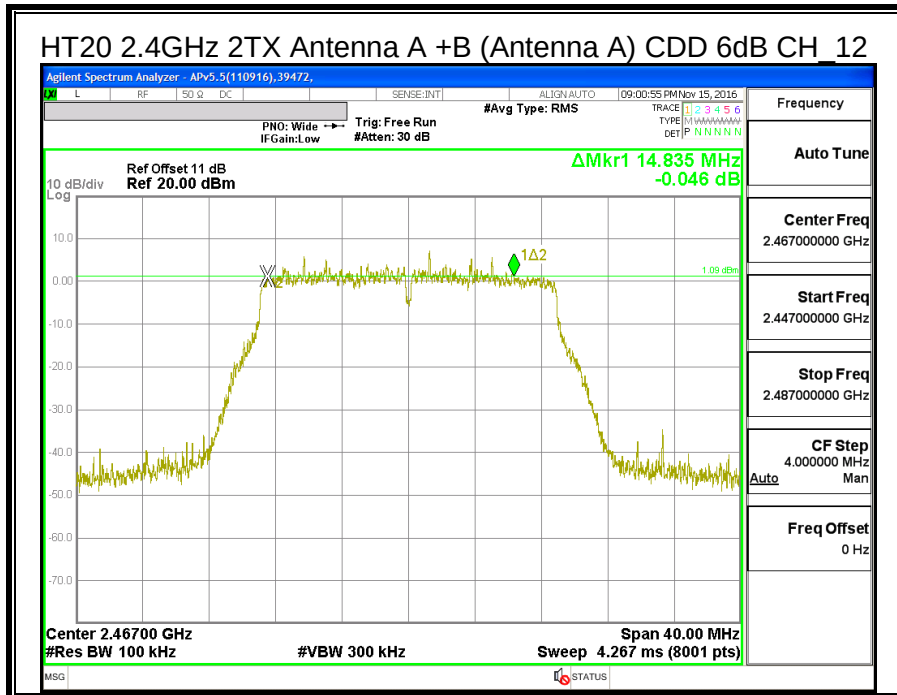


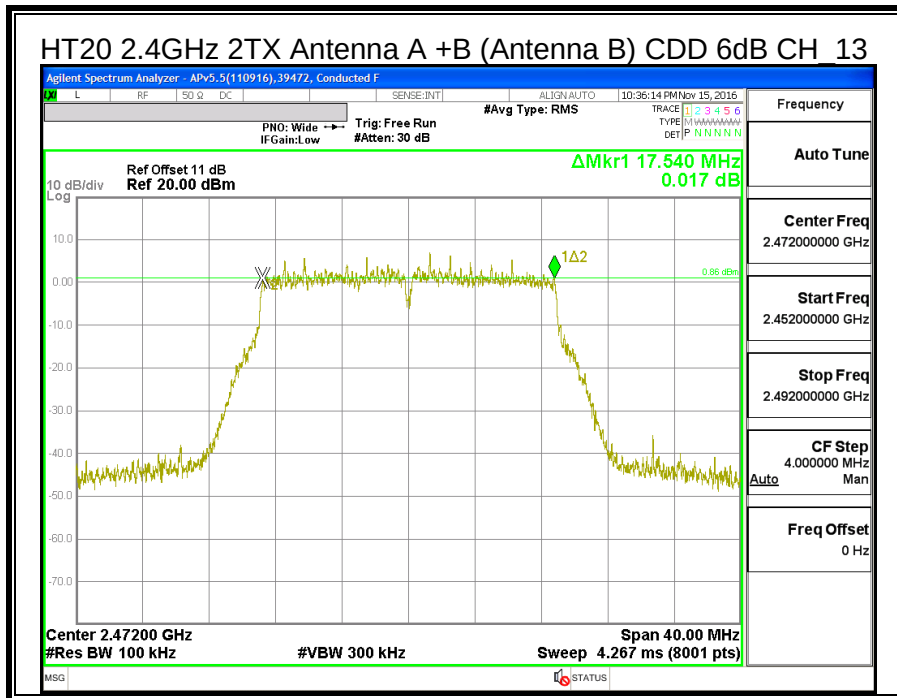
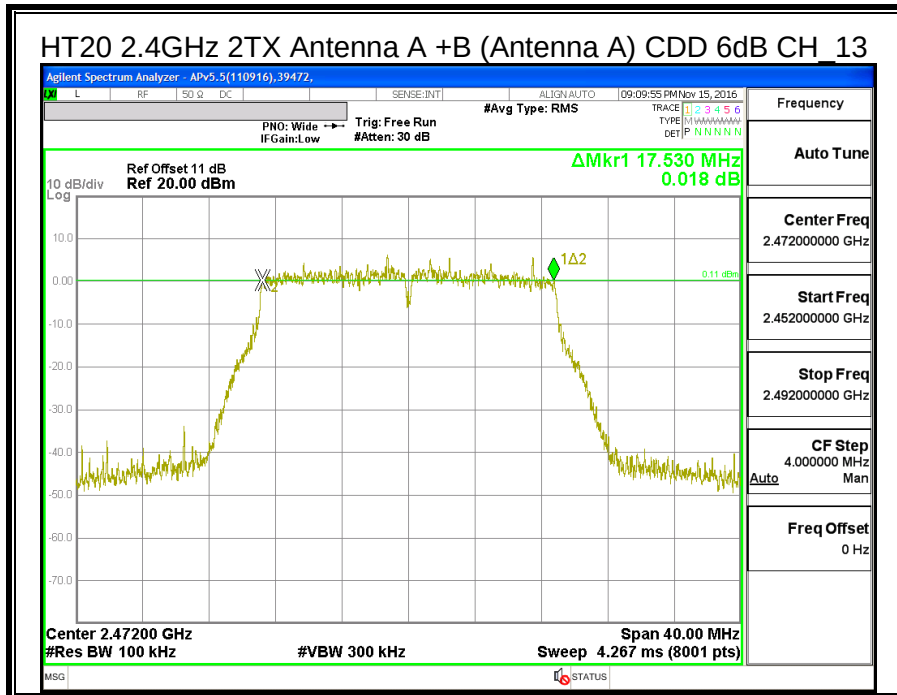












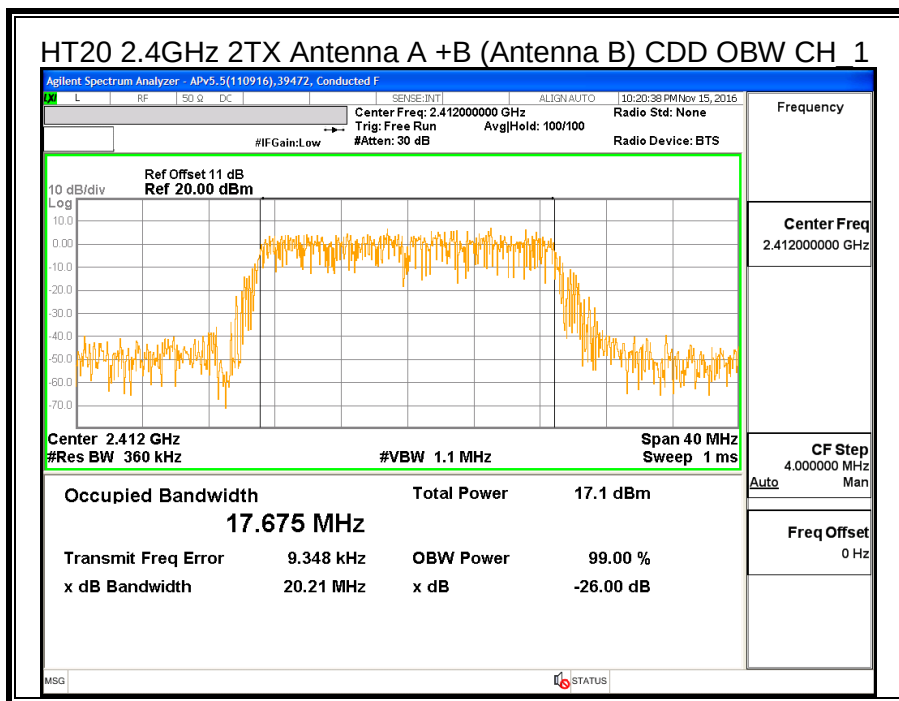
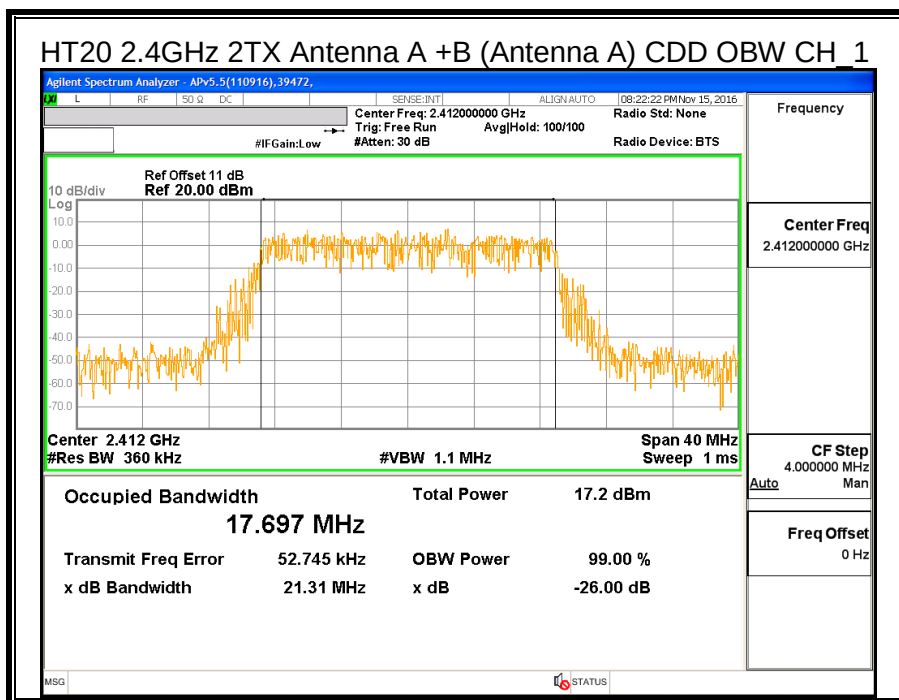
8.5.2. 99% BANDWIDTH

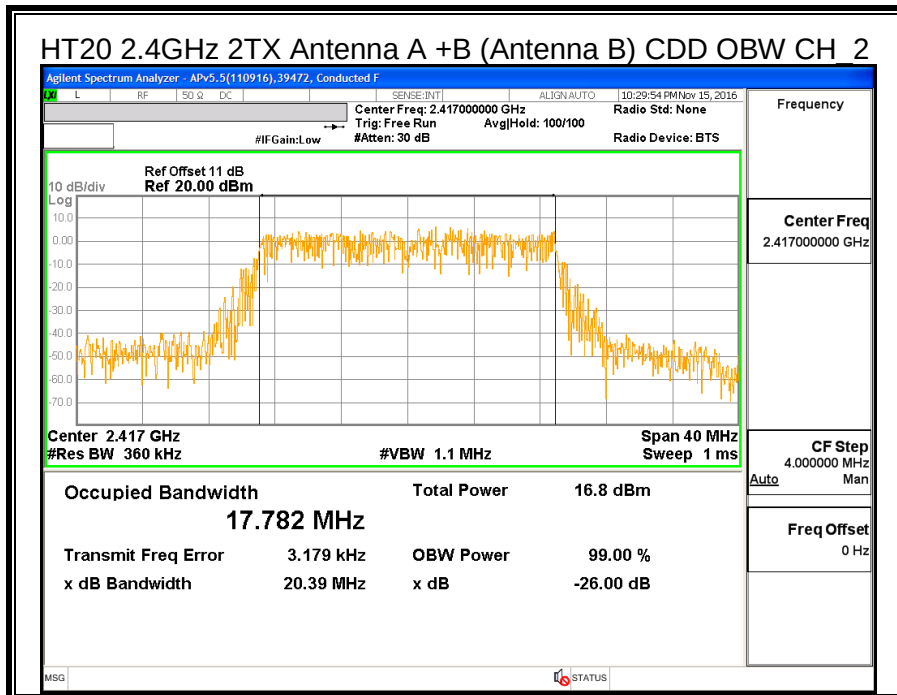
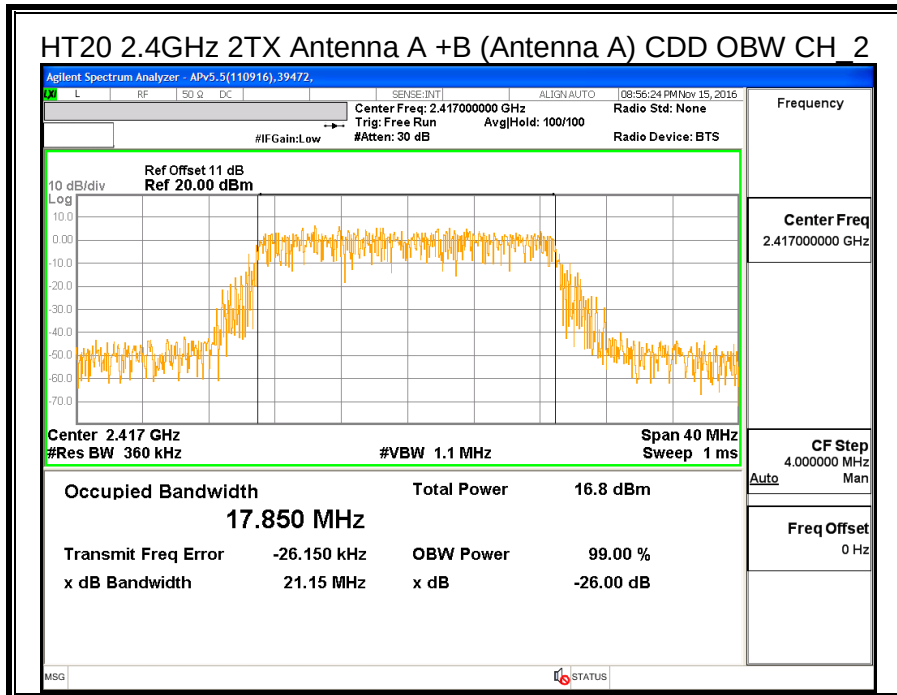
LIMITS

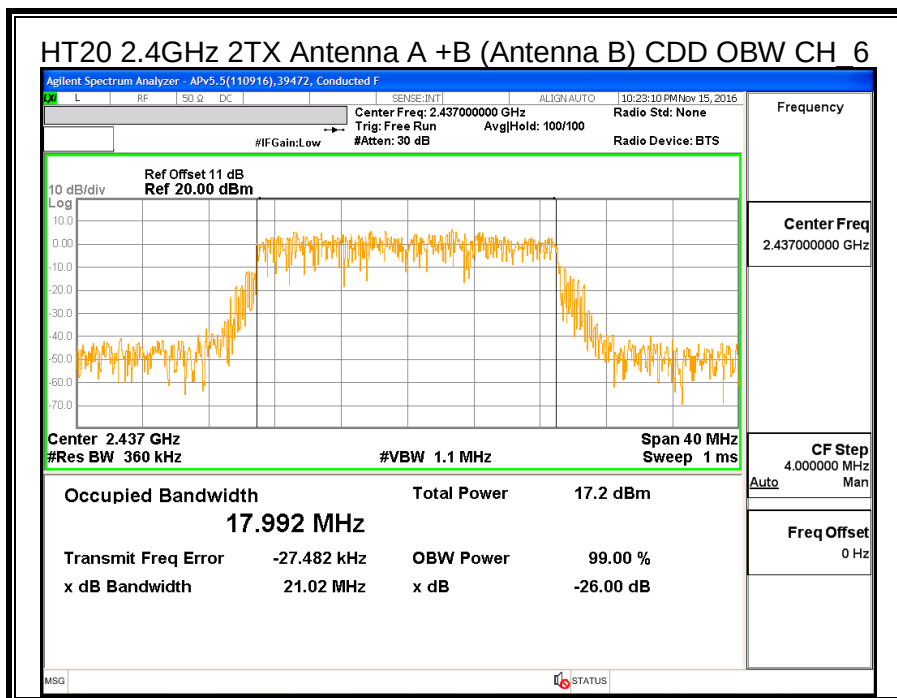
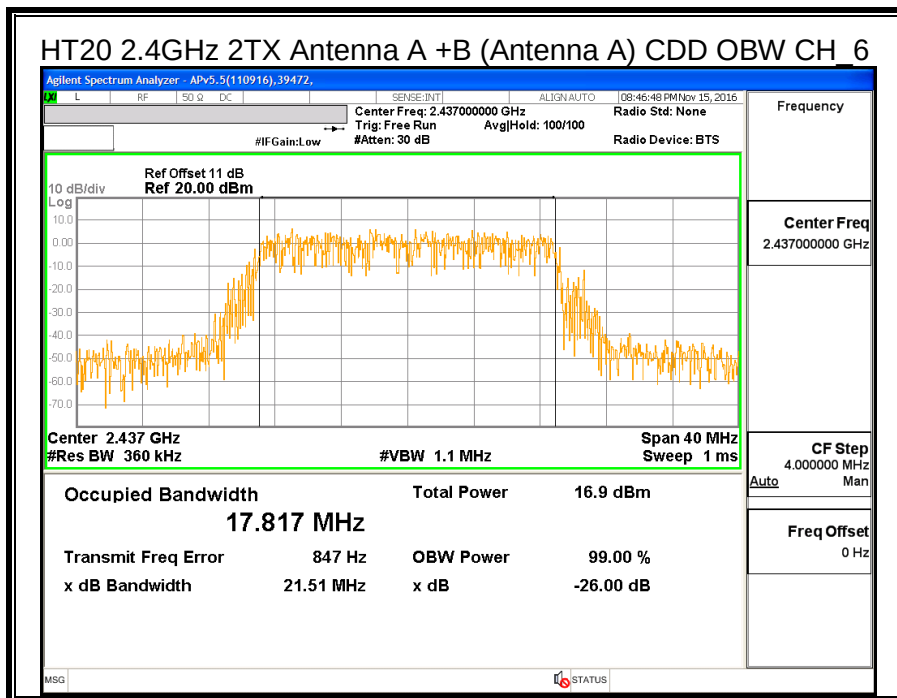
None; for reporting purposes only.

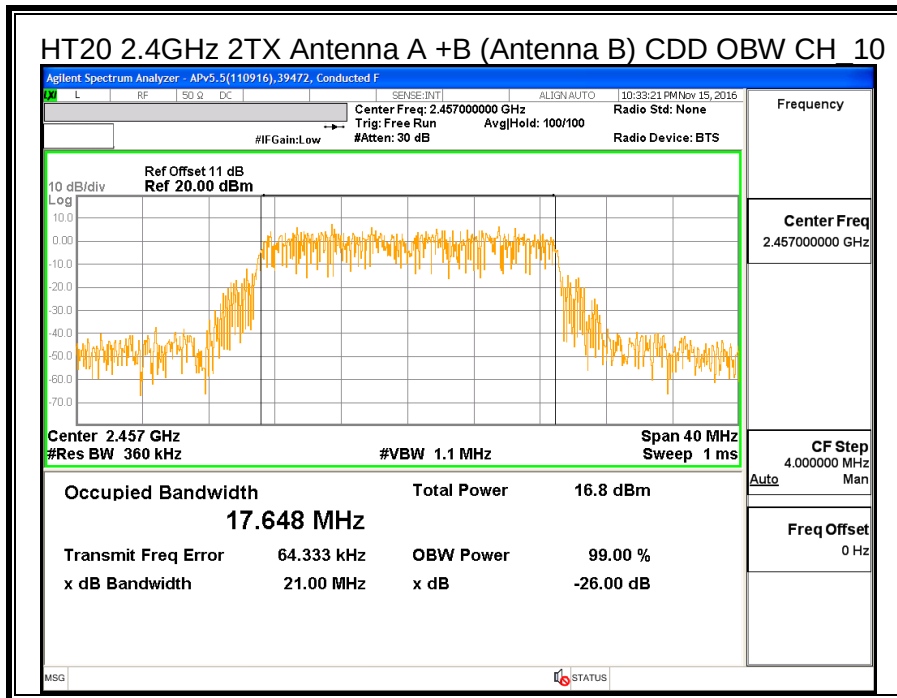
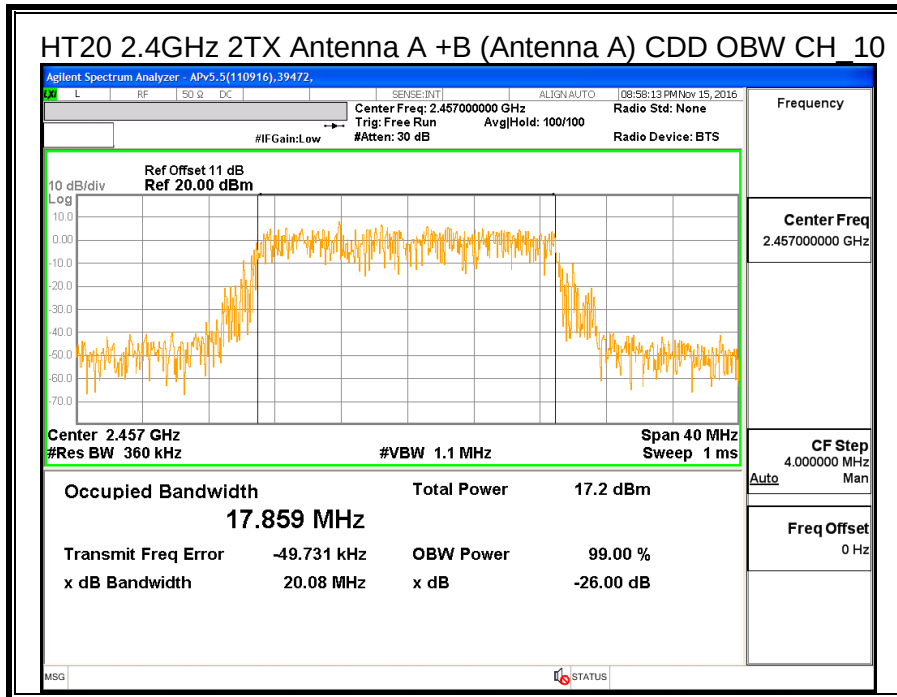
RESULTS

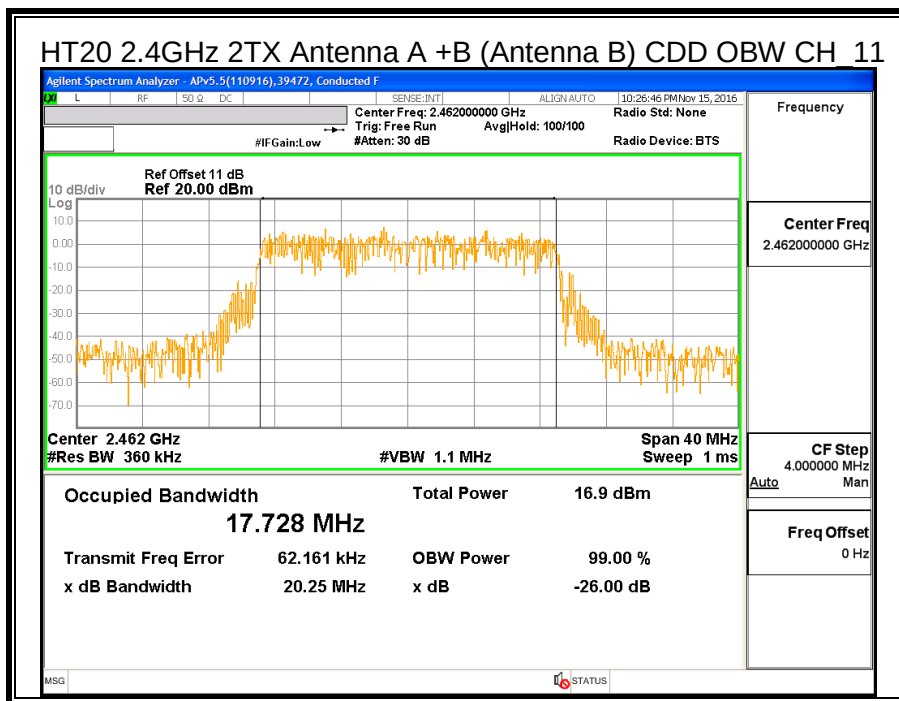
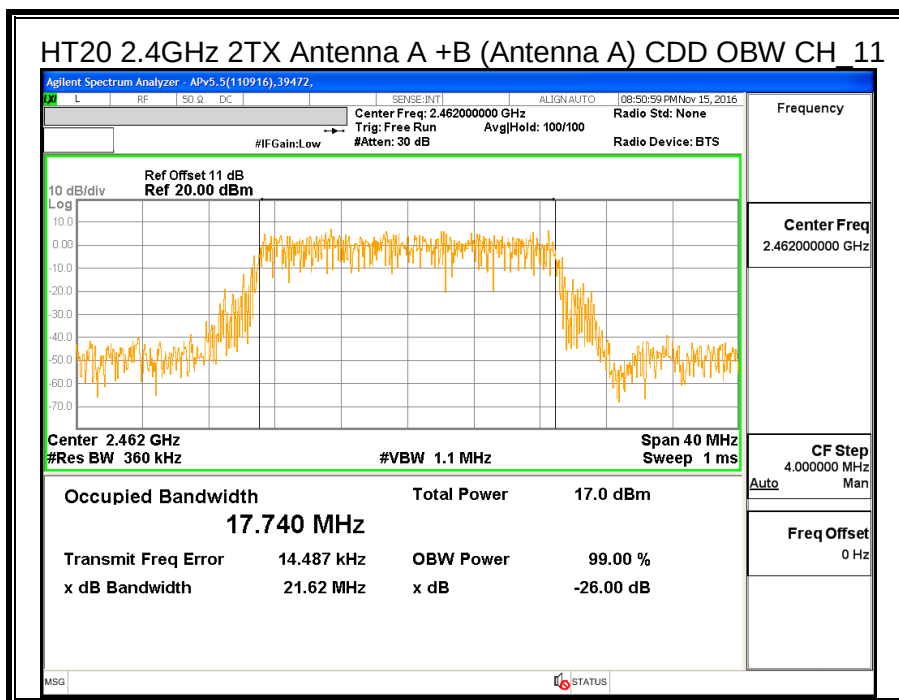
Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Low_1	2412	17.697	17.675
Low_2	2417	17.850	17.782
Middle_6	2437	17.817	17.992
High_10	2457	17.859	17.648
High_11	2462	17.740	17.728
High_12	2467	17.820	17.739
High_13	2472	17.805	17.820

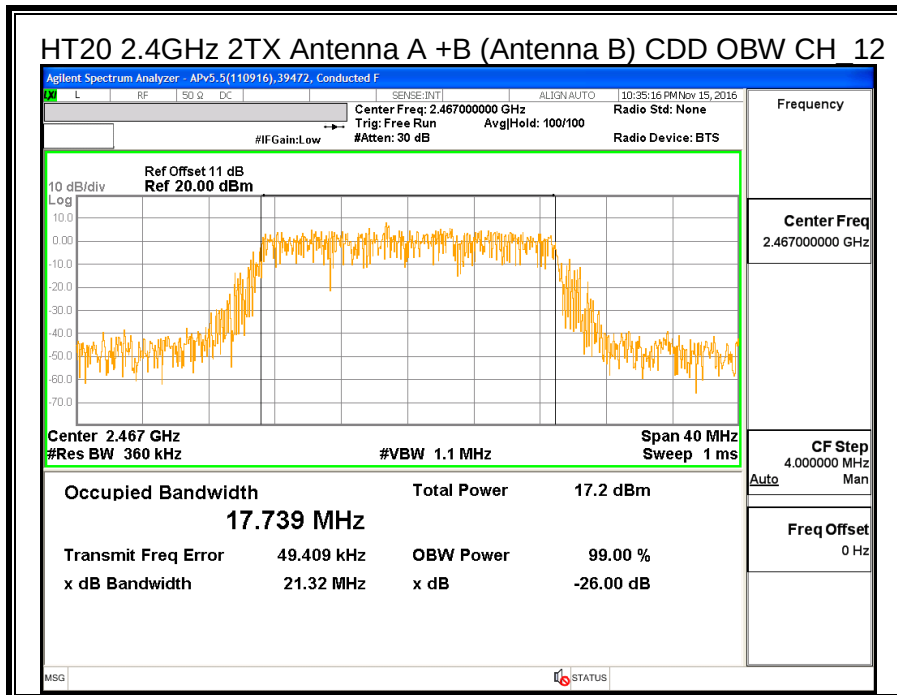
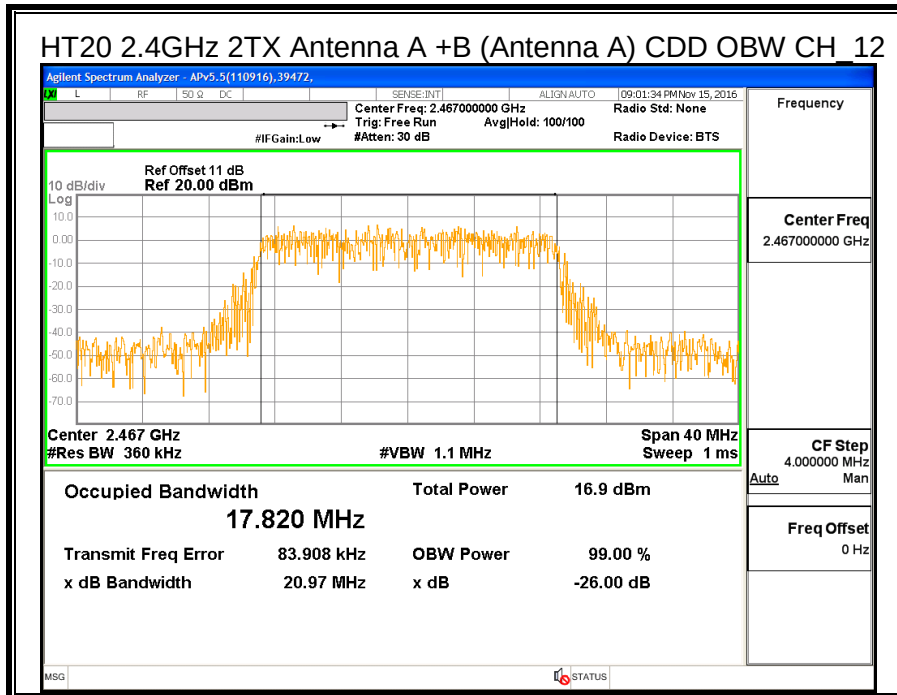


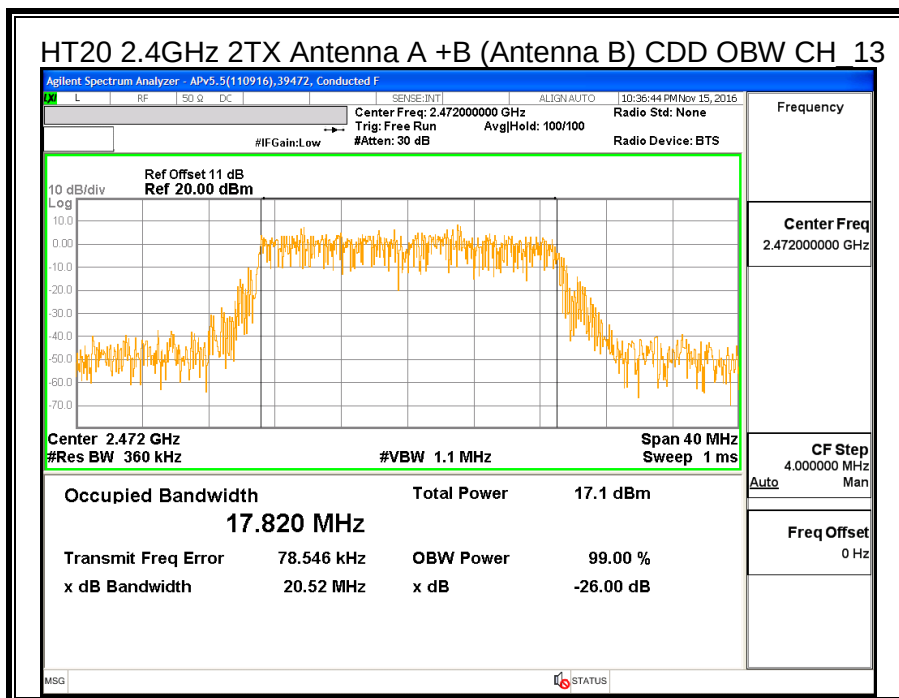
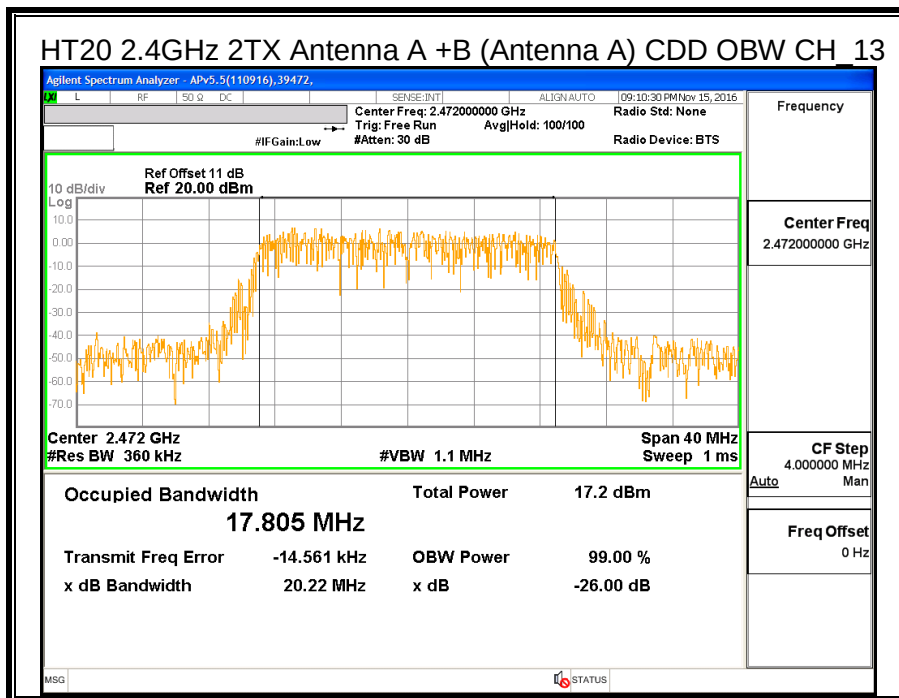












8.5.3. AVERAGE POWER

ID:	39472	Date:	12/19/2016
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LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	Power Antenna A (MHz)	Power Antenna B (MHz)
Low_1	2412	12.97	12.95
Low_2	2417	15.89	15.50
Middle_6	2437	15.80	15.28
High_10	2457	16.00	15.22
High_11	2462	12.34	12.22
High_12	2467	10.35	10.30
High_13	2472	0.86	1.00

8.5.4. OUTPUT POWER

ID:	39472	Date:	12/19/16
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LIMITS

FCC §15.247

IC RSS-247 (5.4) (4)

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.

DIRECTIONAL ANTENNA GAIN

The TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

Antenna A	Antenna B	Uncorrelated Chains
Gain (dBi)	Gain (dBi)	Directional Gain (dBi)
1.91	0.56	1.29

RESULTS

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	2412	1.29	30.00	30	36	30.00
Low_2	2417	1.29	30.00	30	36	30.00
Mid	2437	1.29	30.00	30	36	30.00
High_10	2457	1.29	30.00	30	36	30.00
High_11	2462	1.29	30.00	30	36	30.00
High_12	2467	1.29	30.00	30	36	30.00
High_13	2472	1.29	30.00	30	36	30.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power
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Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	2412	19.93	19.72	22.84	30.00	-7.16
Low_2	2417	22.88	22.56	25.73	30.00	-4.27
Mid	2437	22.79	22.50	25.66	30.00	-4.34
High_10	2457	22.95	22.09	25.55	30.00	-4.45
High_11	2462	20.61	20.55	23.59	30.00	-6.41
High_12	2467	16.24	16.10	19.18	30.00	-10.82
High_13	2472	8.03	7.89	10.97	30.00	-19.03

8.5.5. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247

IC RSS-247 (5.2) (2)

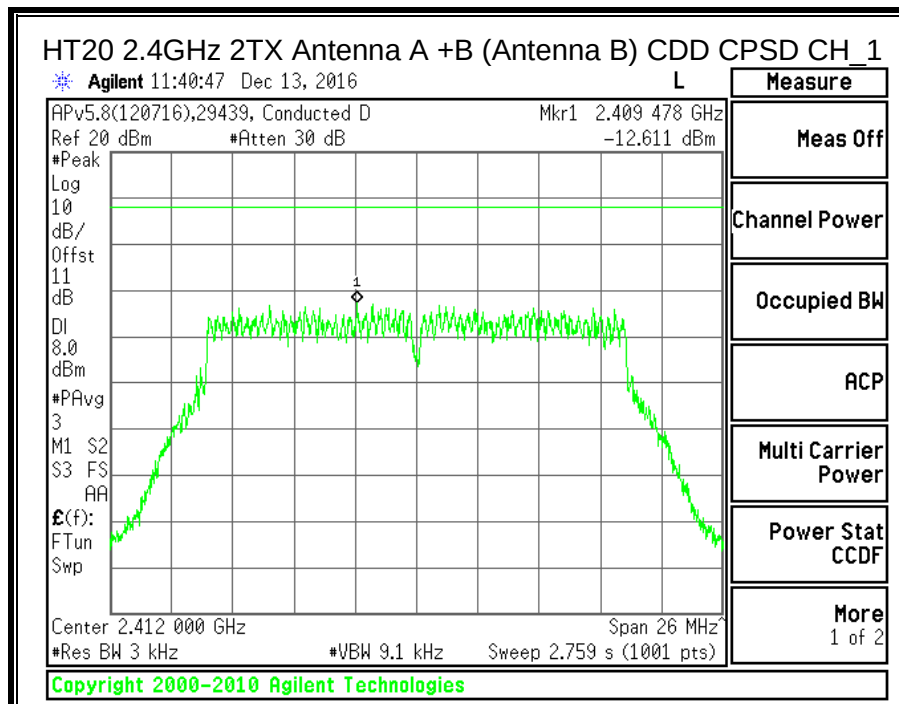
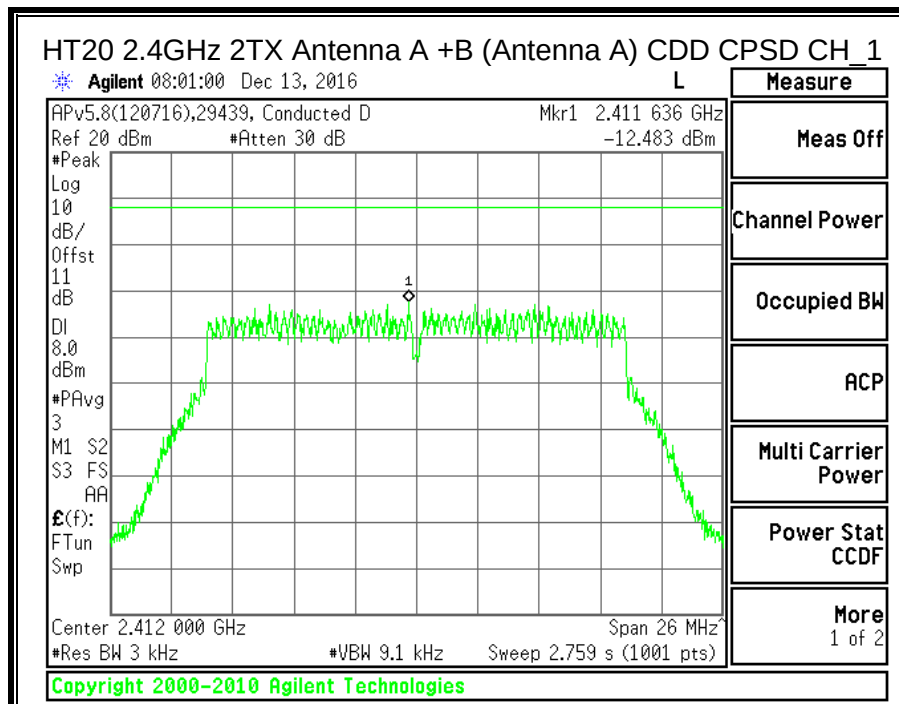
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 KHz band during any time interval of continuous transmissions.

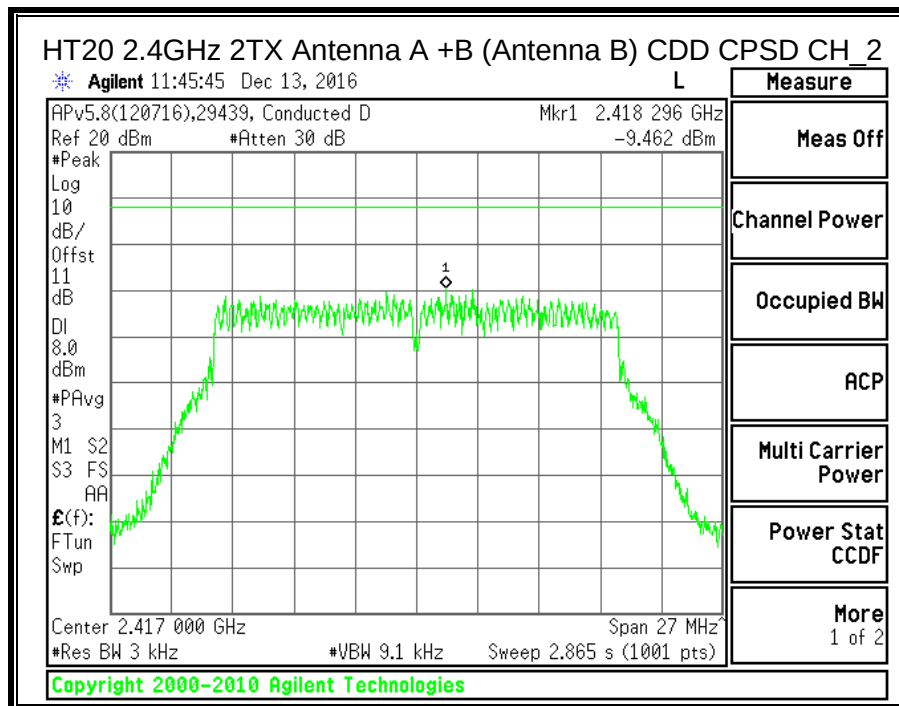
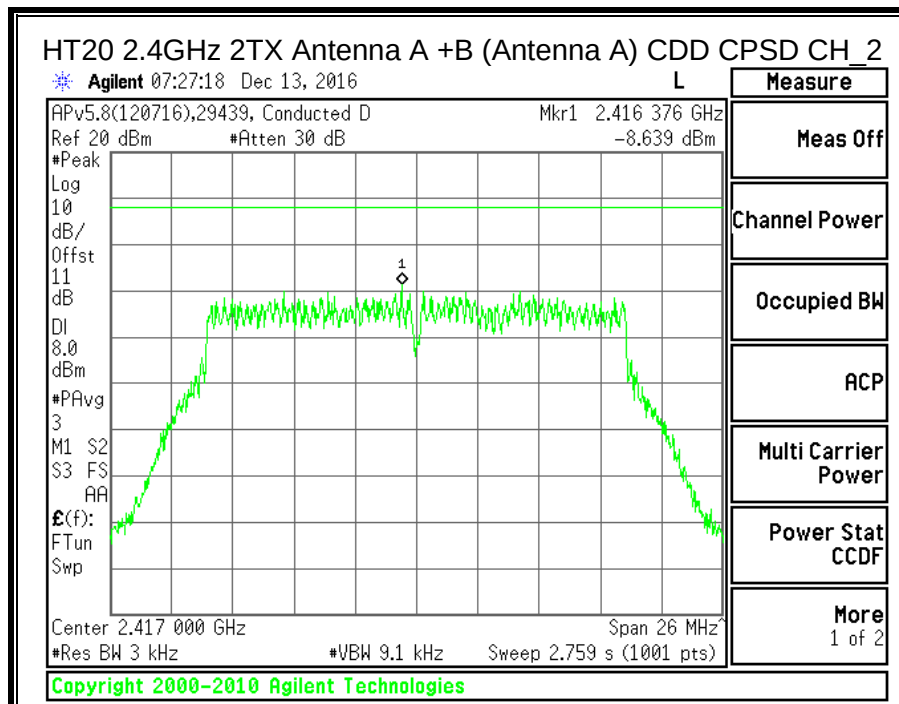
RESULTS

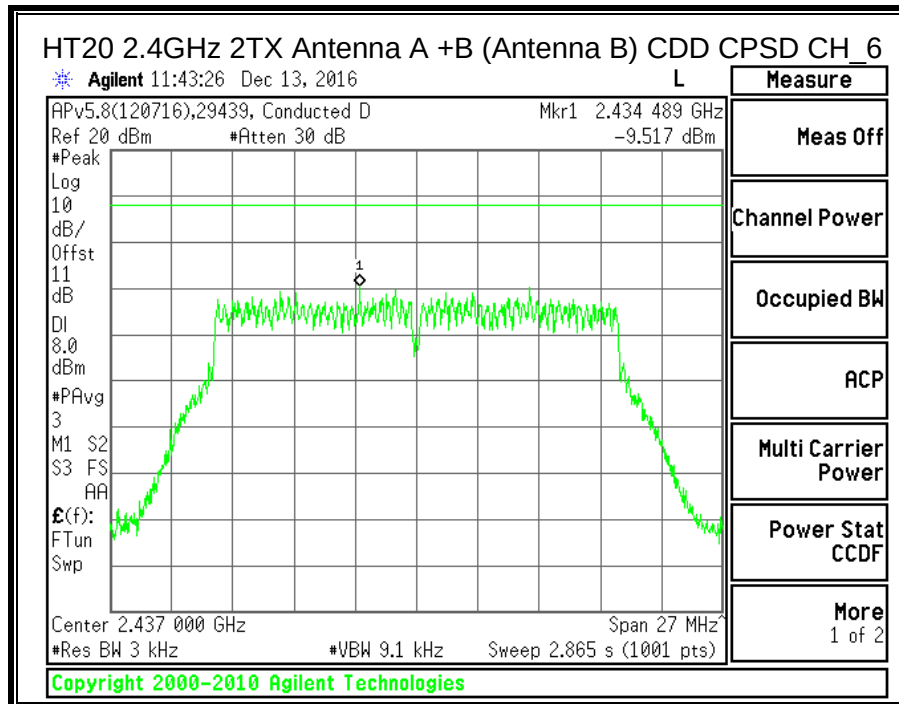
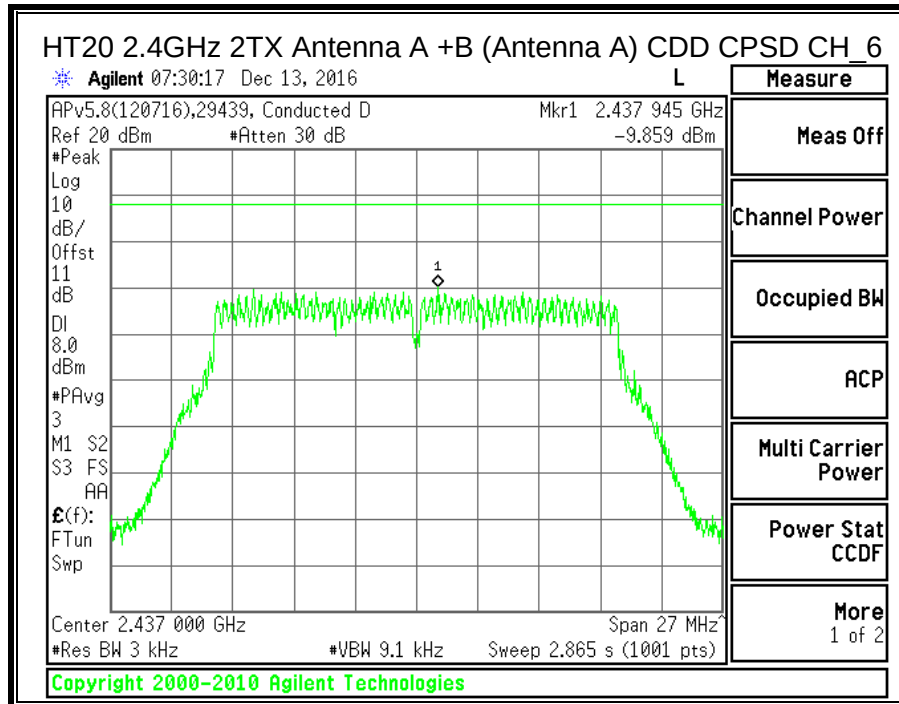
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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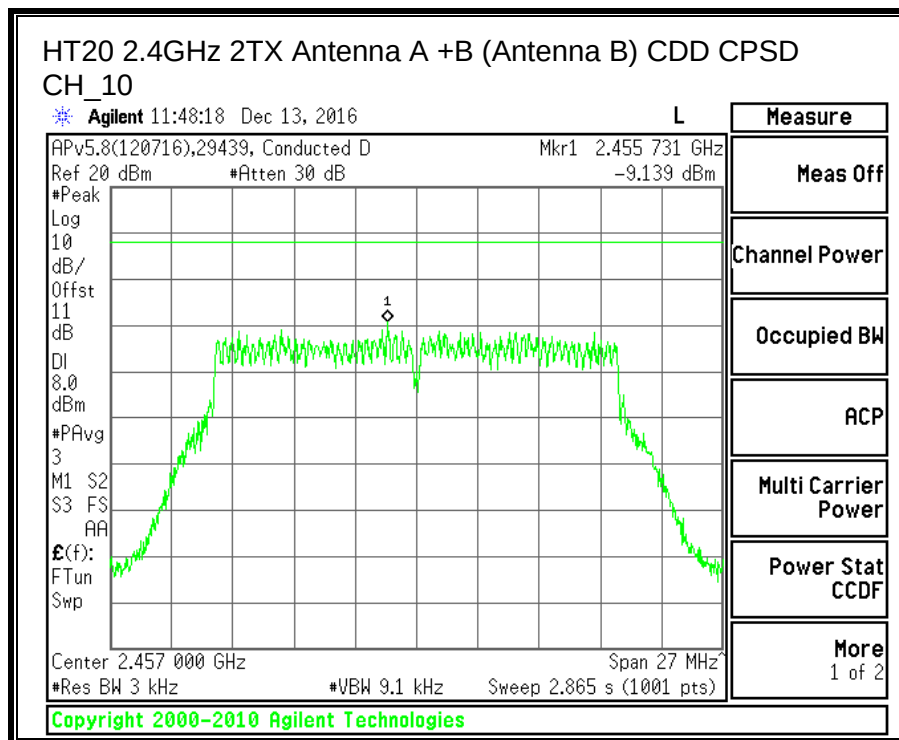
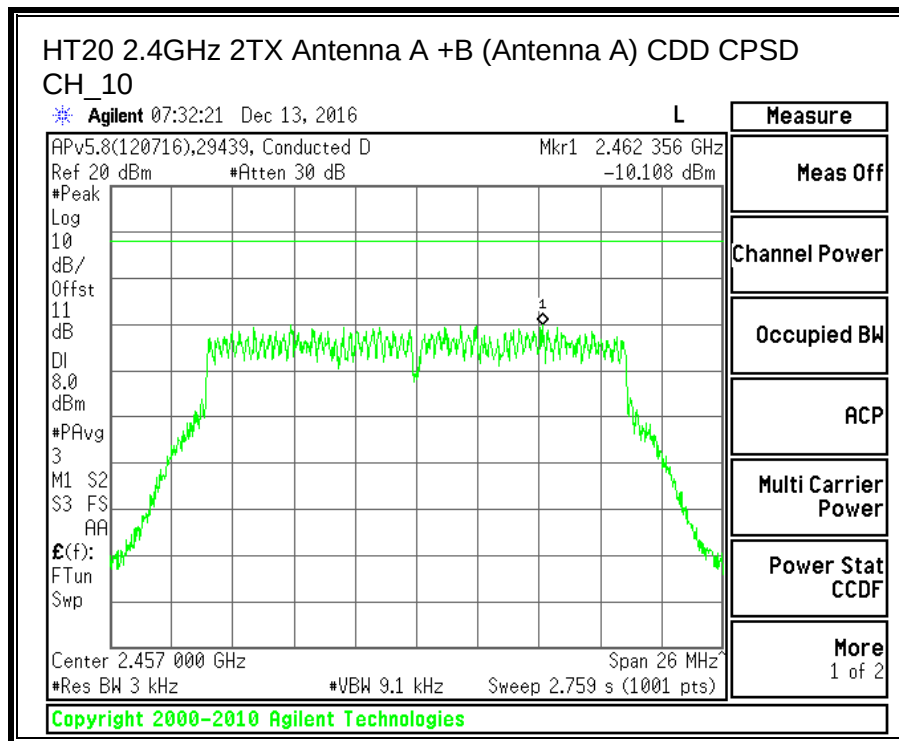
PSD Results

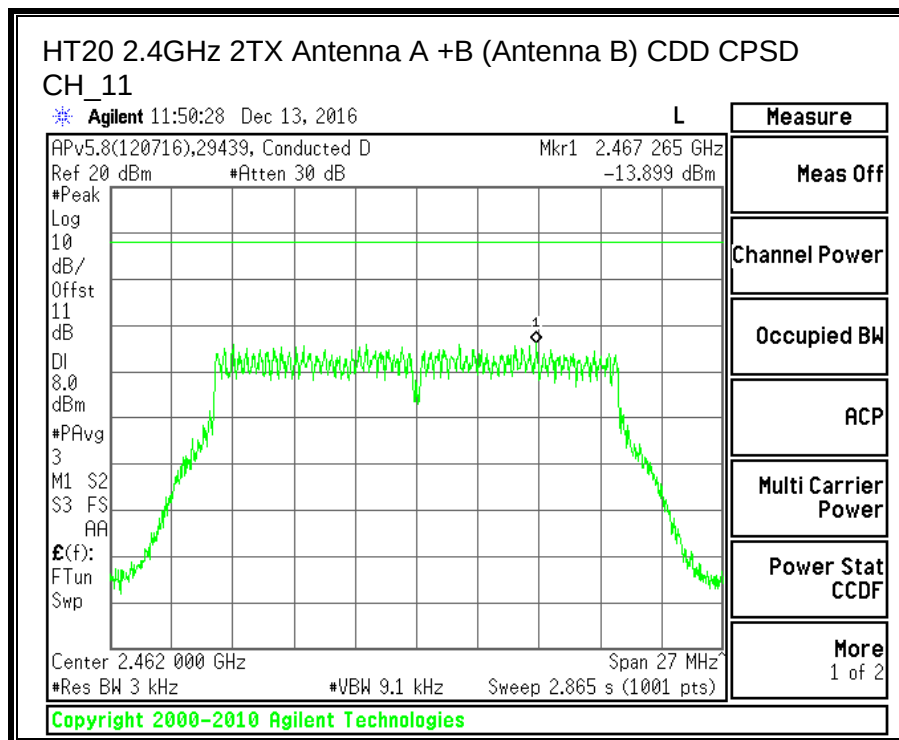
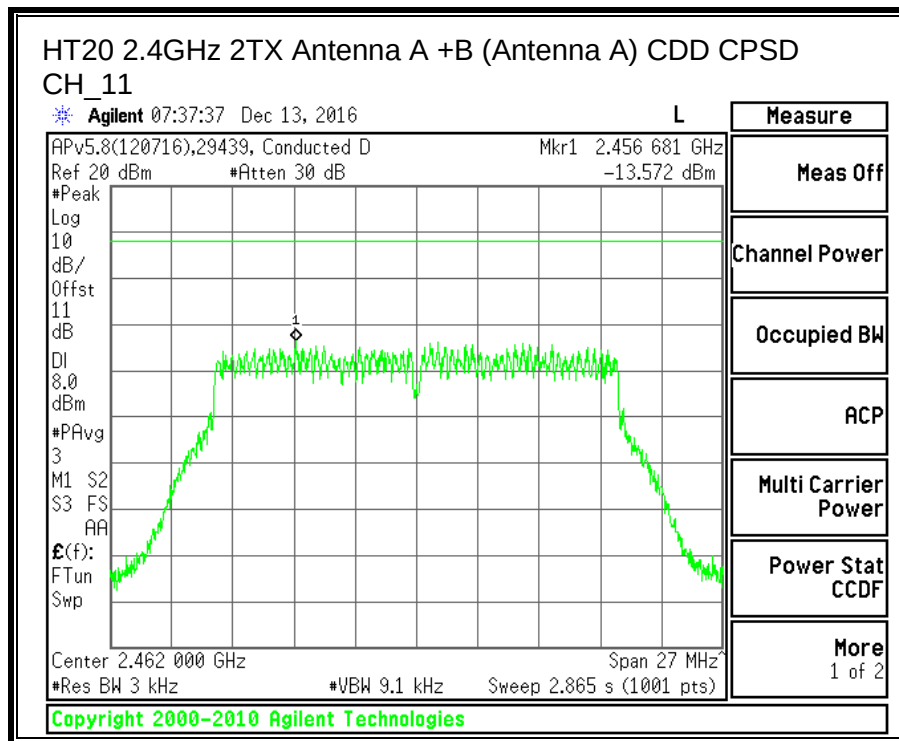
Channel	Frequency (MHz)	Antenna A Meas (dBm)	Antenna B Meas (dBm)	Total Corr'd PSD (dBm)	Limit (dBm)	Margin (dB)
Low	2412	-12.48	-12.61	-9.54	8.0	-17.5
Low_2	2417	-8.64	-9.46	-6.02	8.0	-14.0
Mid	2437	-9.86	-9.52	-6.67	8.0	-14.7
High_10	2457	-10.11	-9.14	-6.59	8.0	-14.6
High_11	2462	-13.57	-13.90	-10.72	8.0	-18.7
High_12	2467	-15.65	-14.93	-12.26	8.0	-20.3
High_13	2472	-24.94	-24.76	-21.84	8.0	-29.8

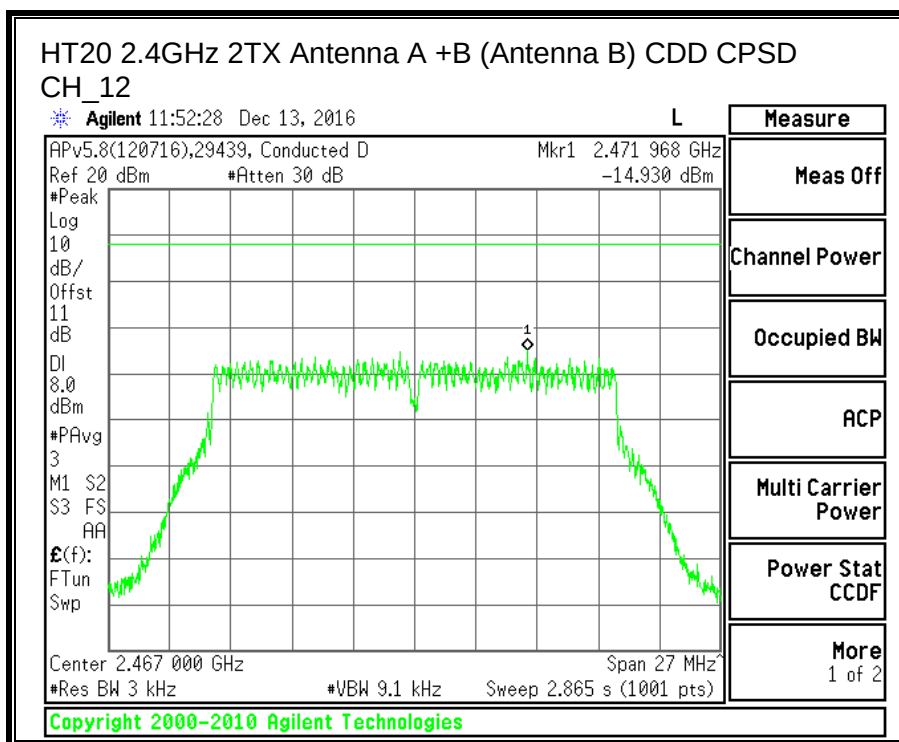
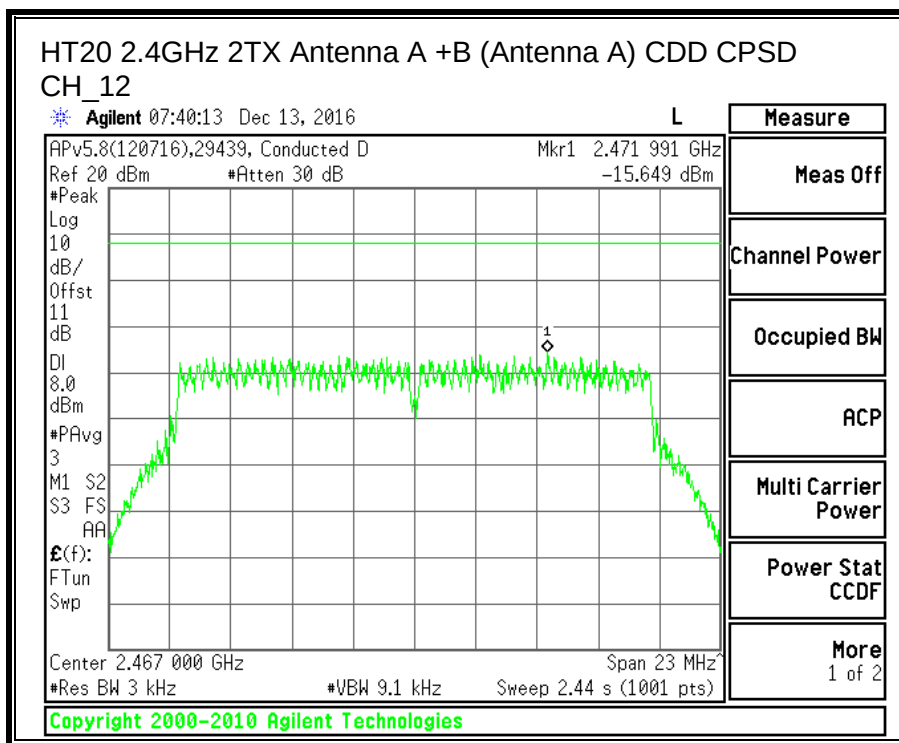


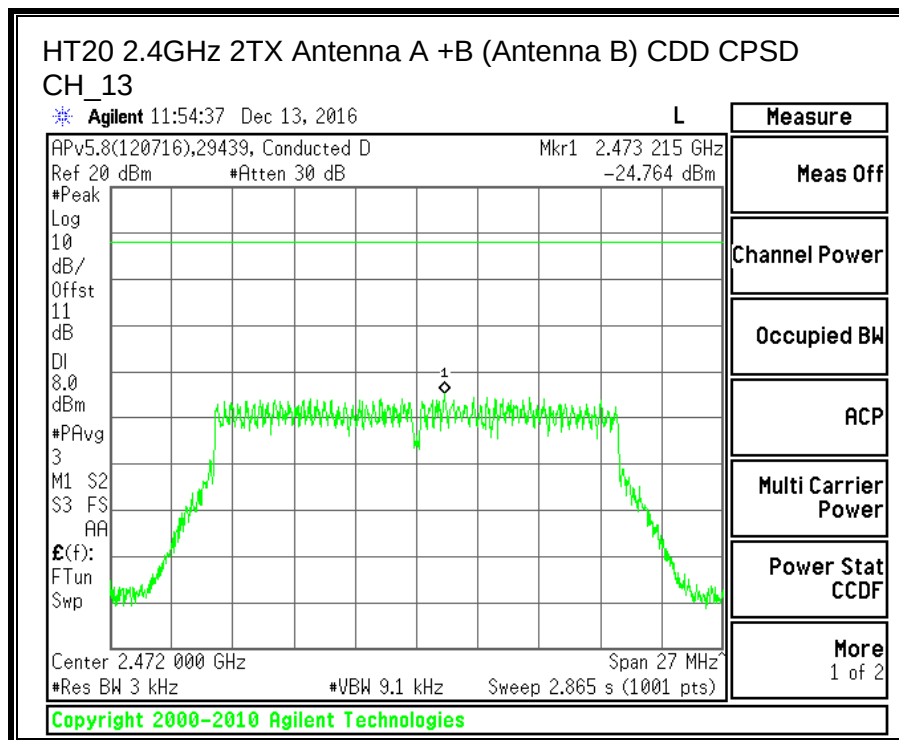
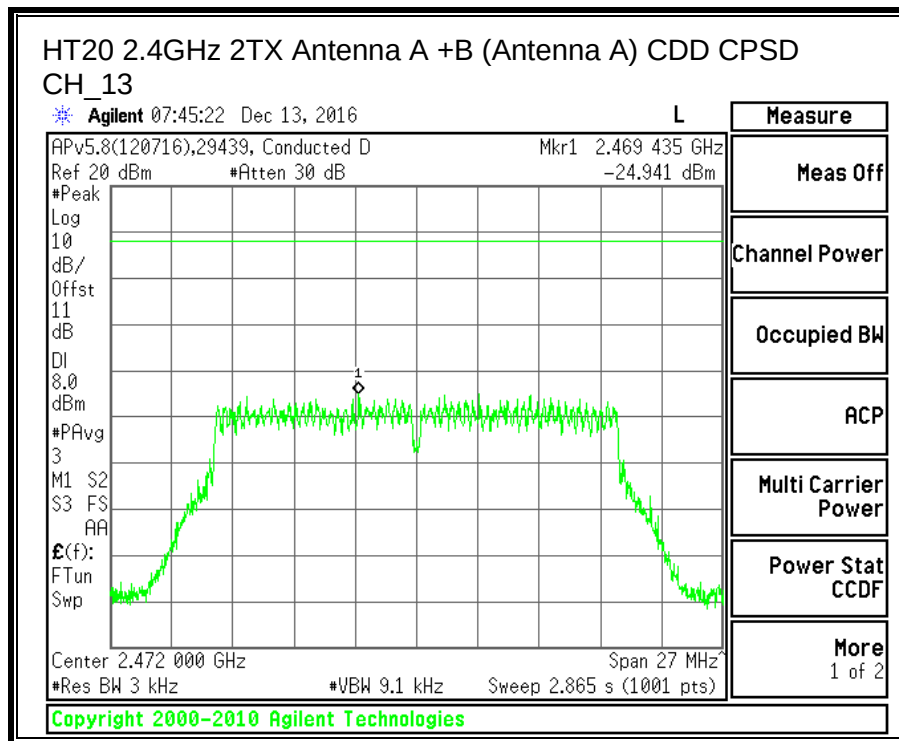












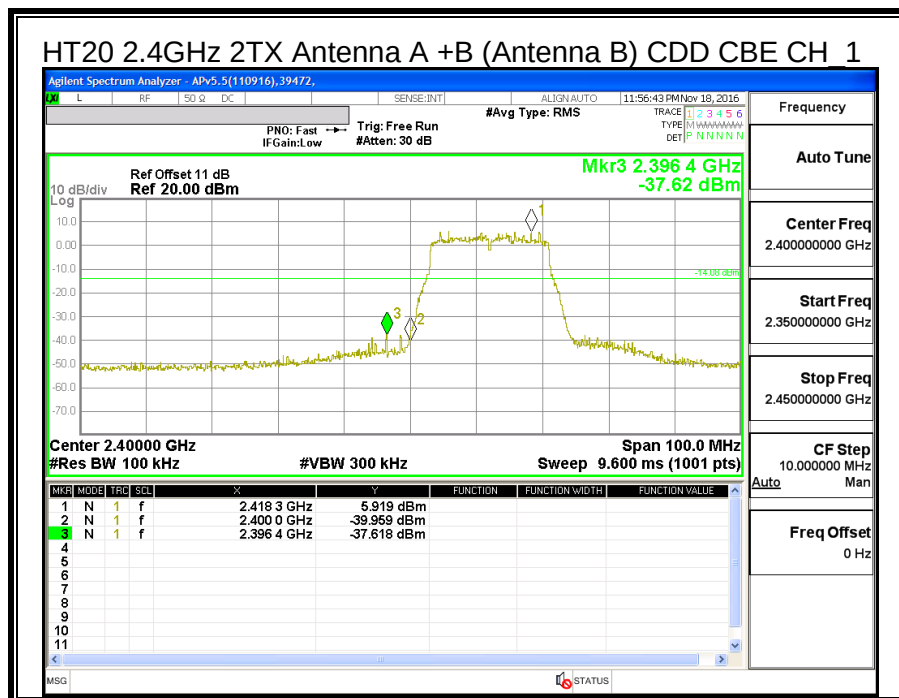
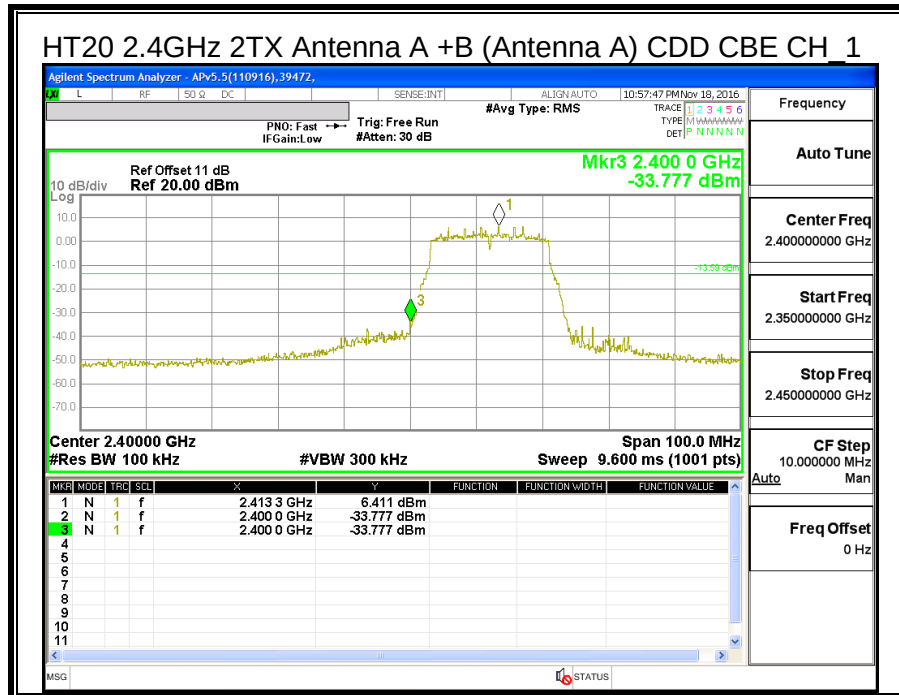
8.5.6. CONDUCTED BANDEDGE AND SPURIOUS EMISSIONS

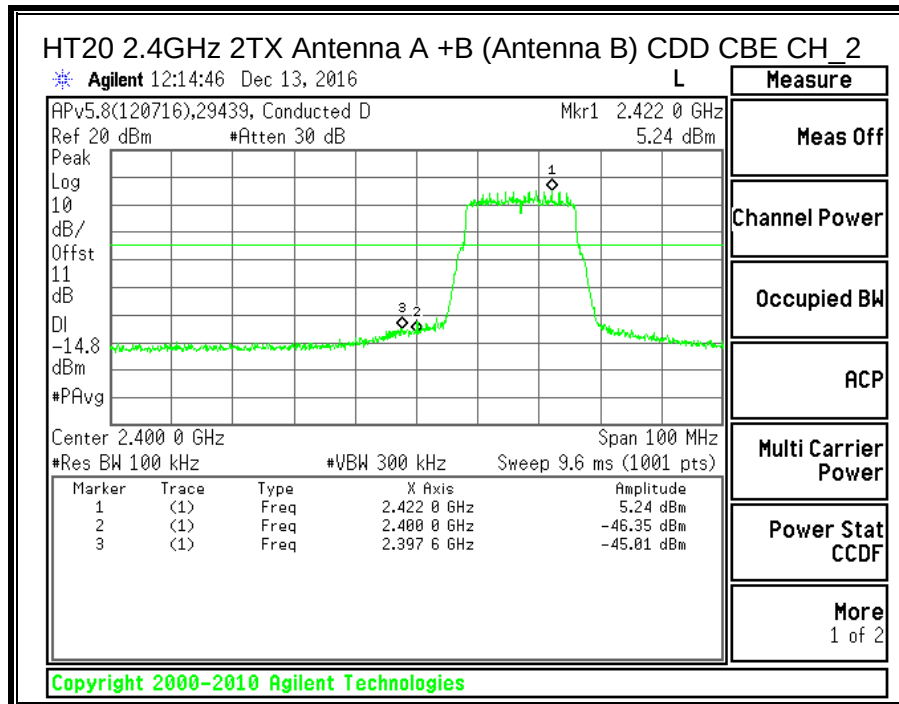
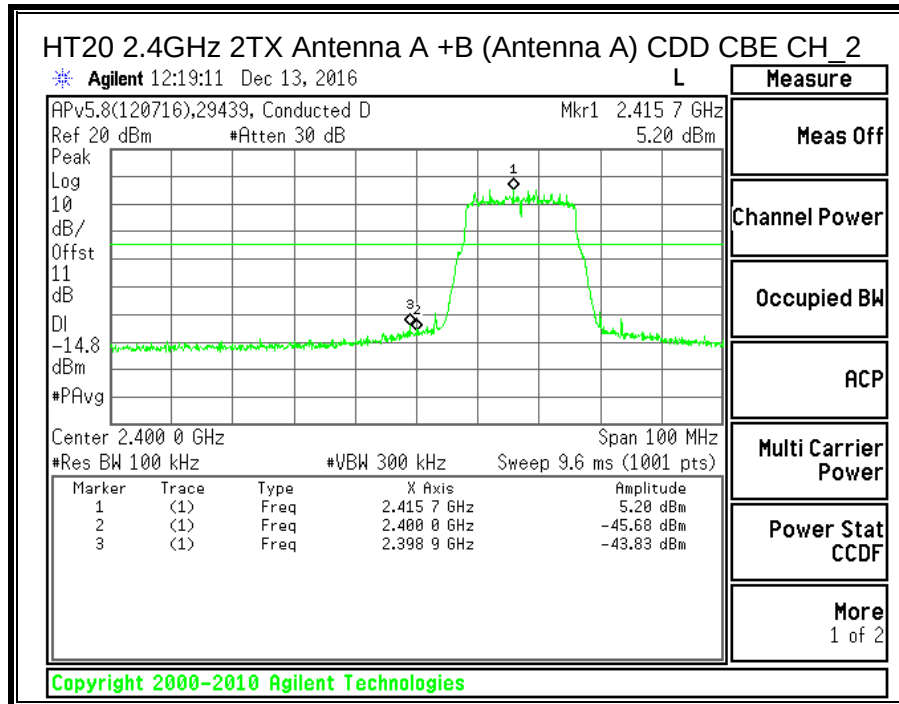
LIMITS

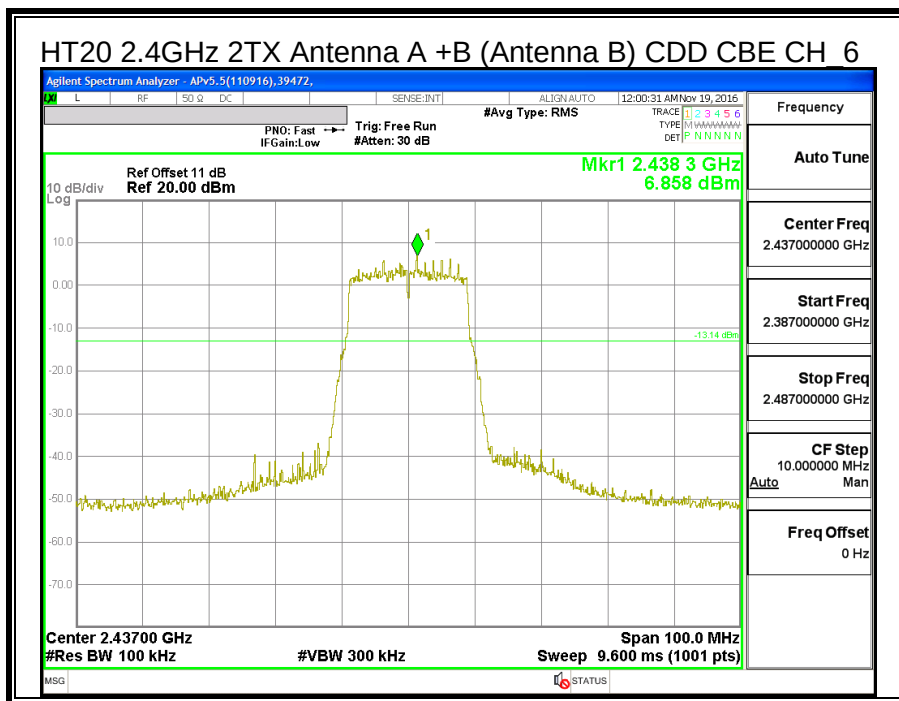
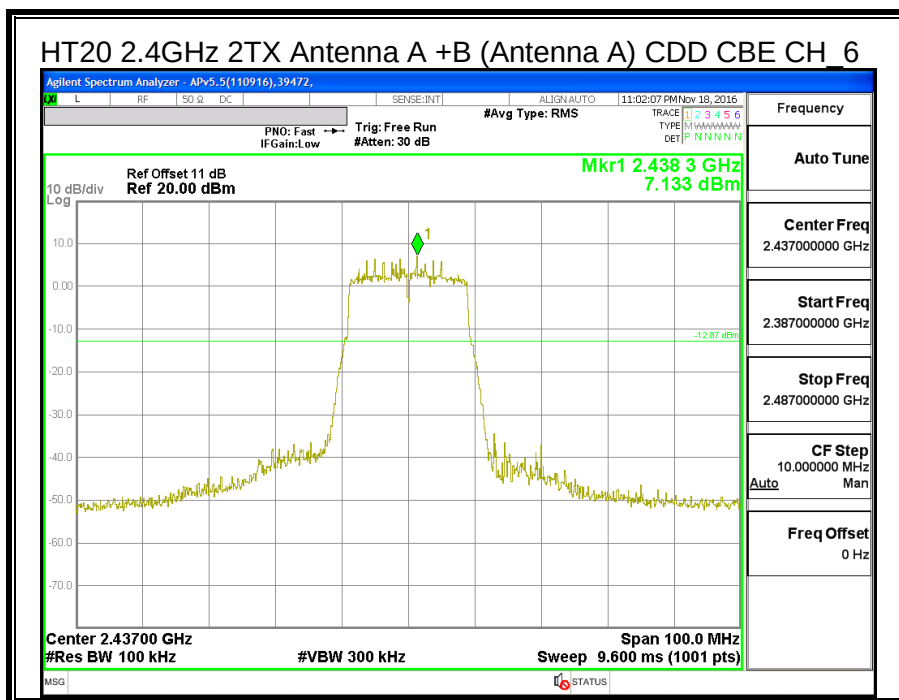
FCC §15.247 (d)

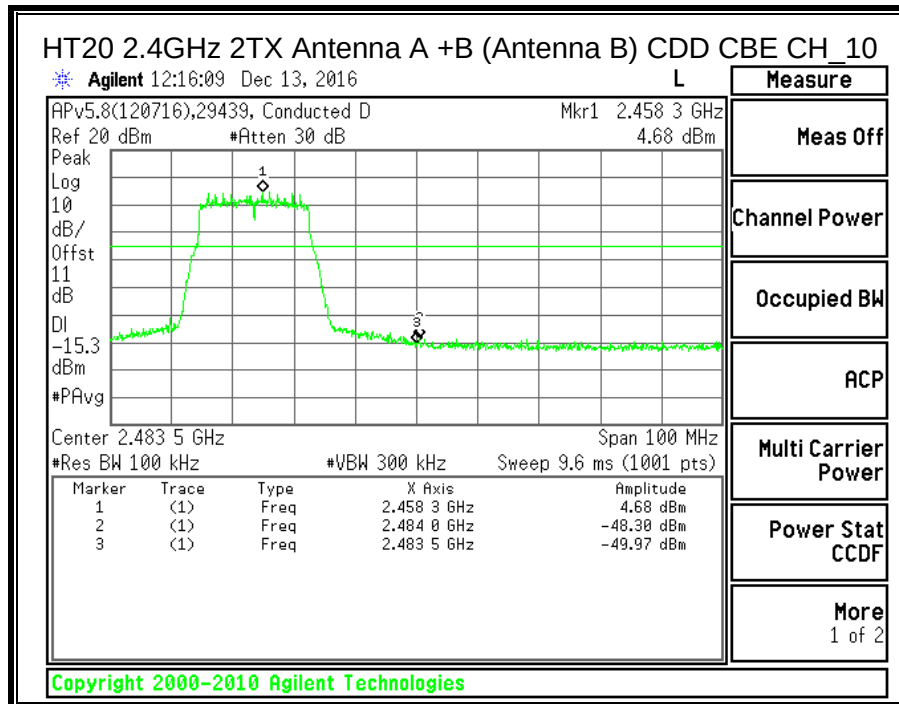
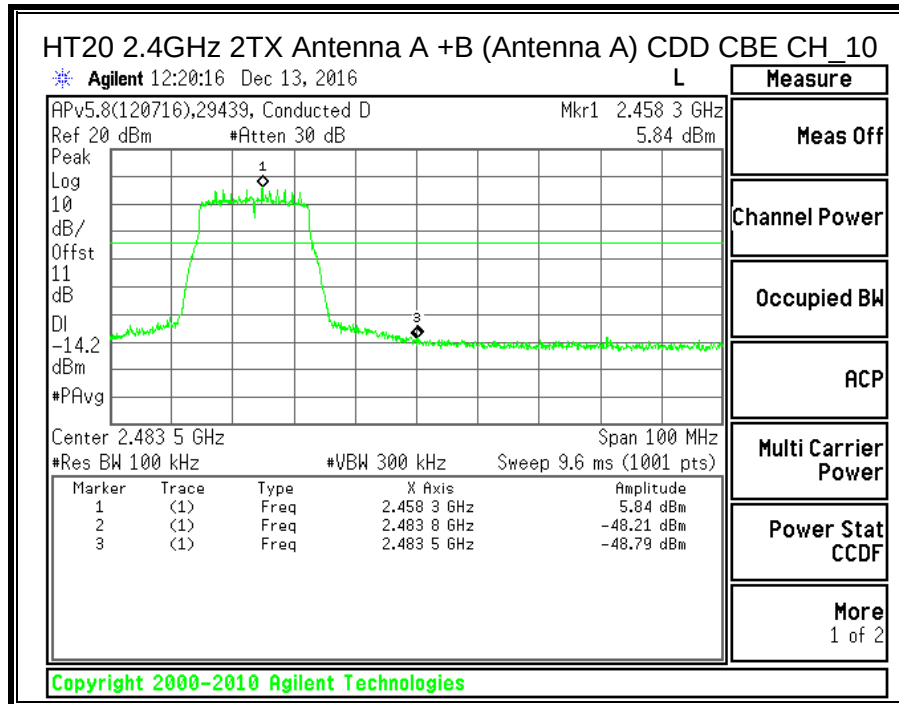
IC RSS-247 (5.5)

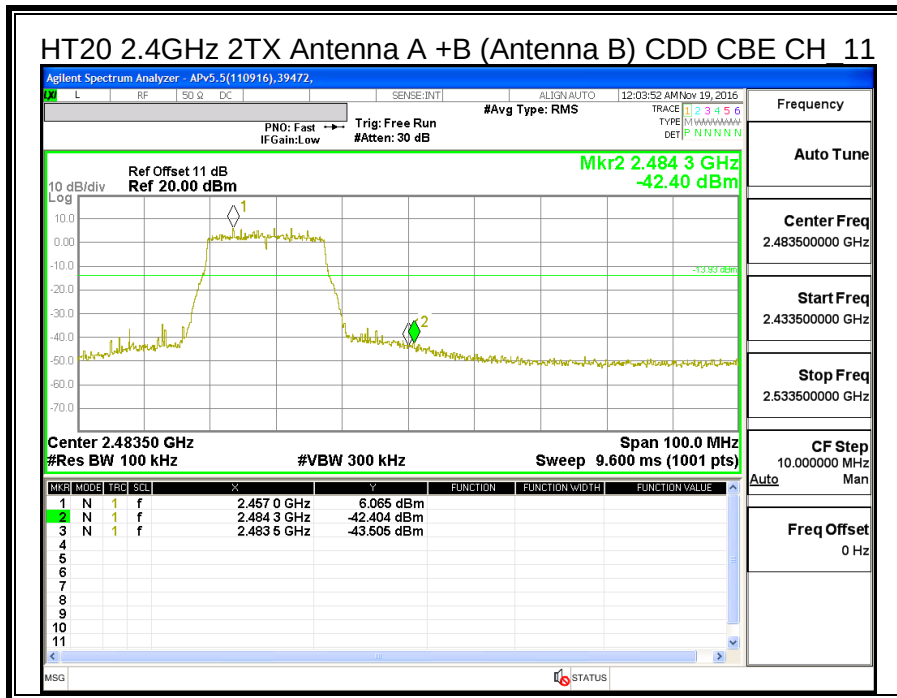
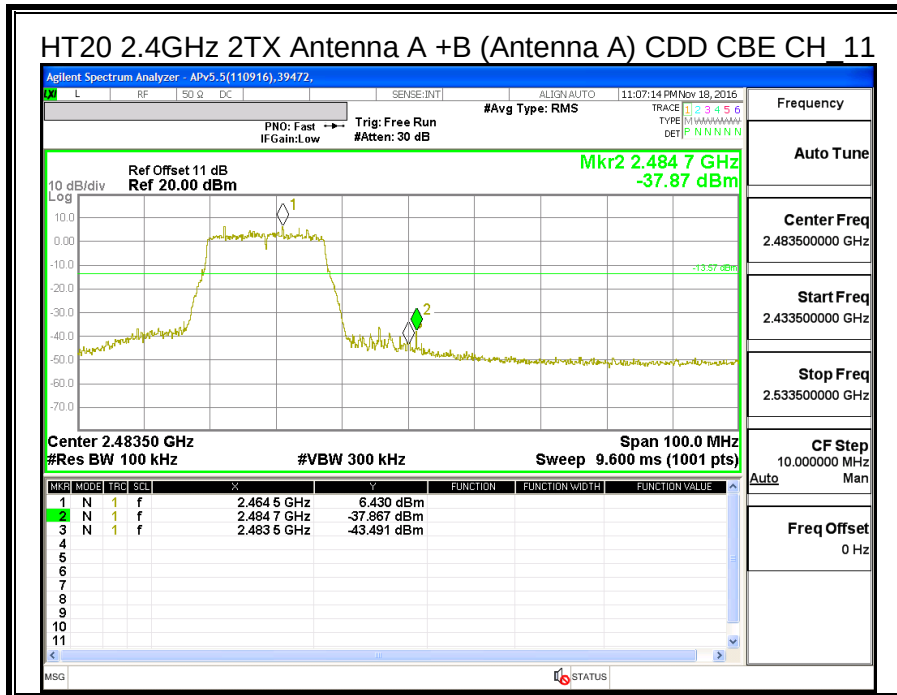
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

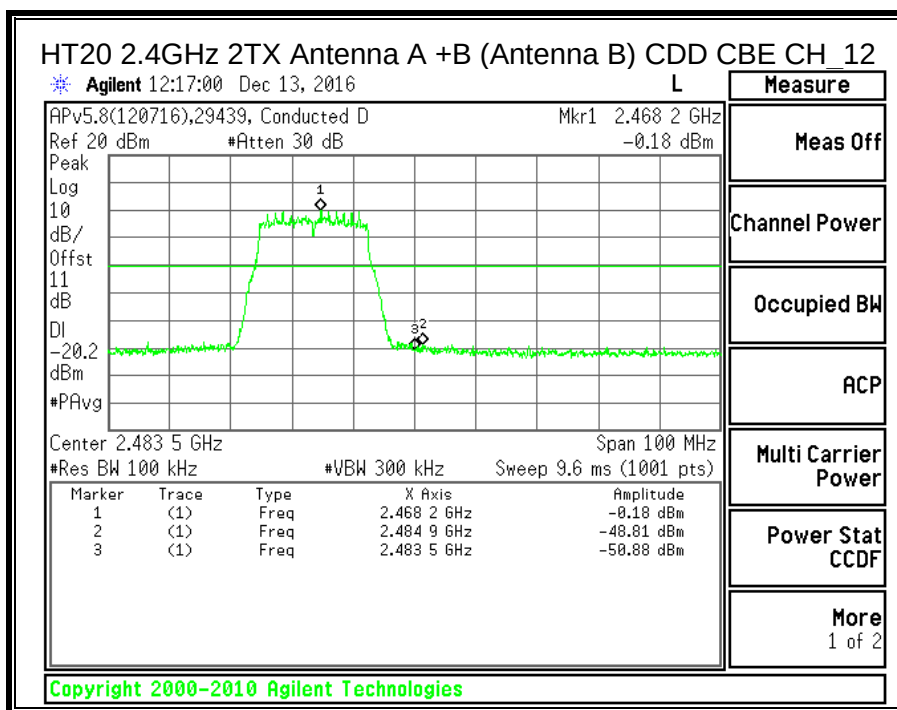
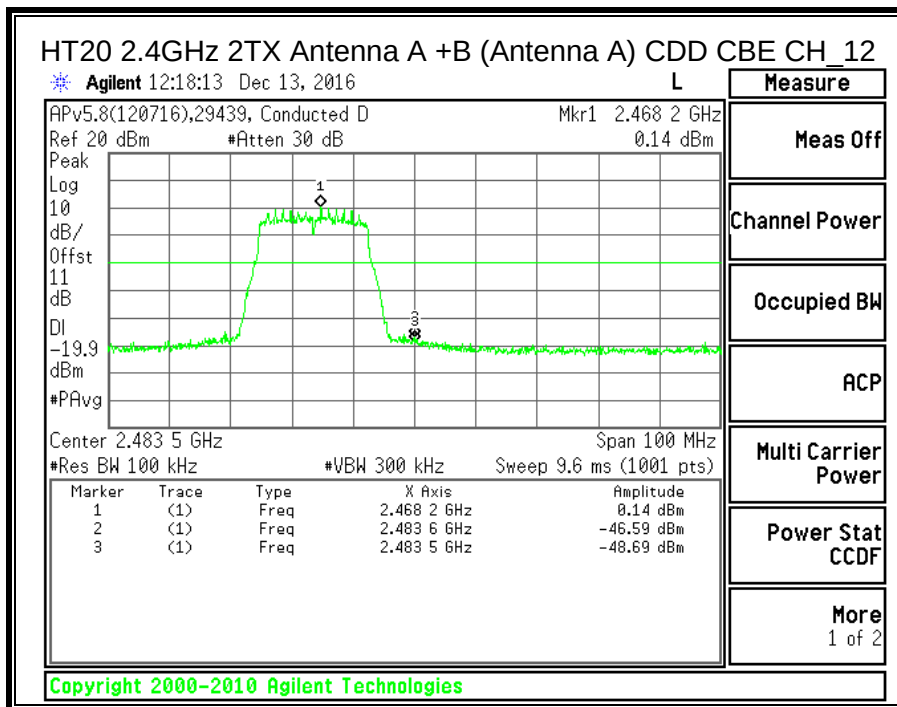


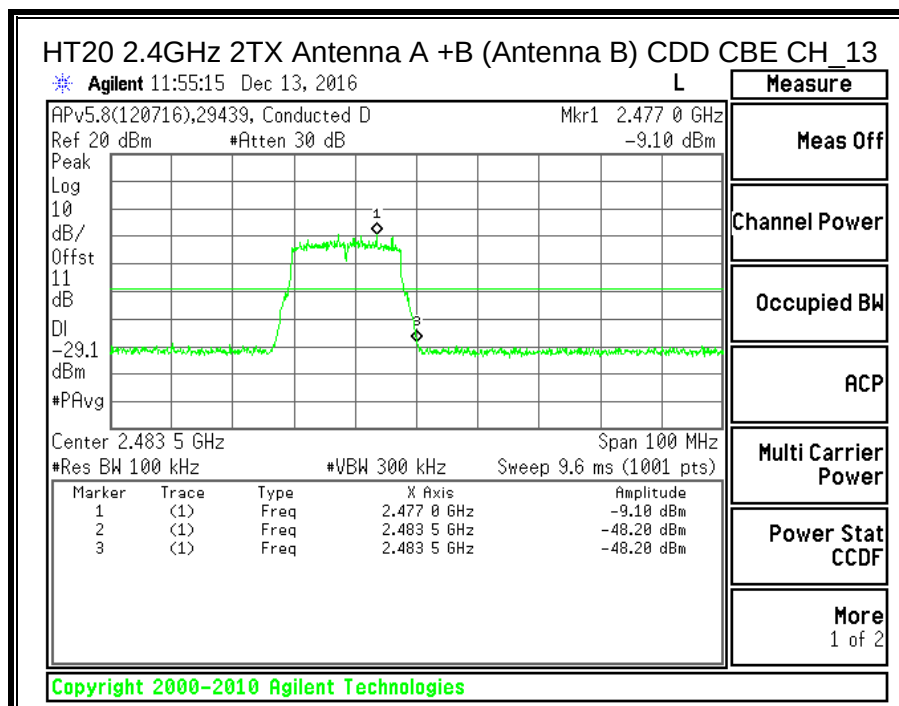
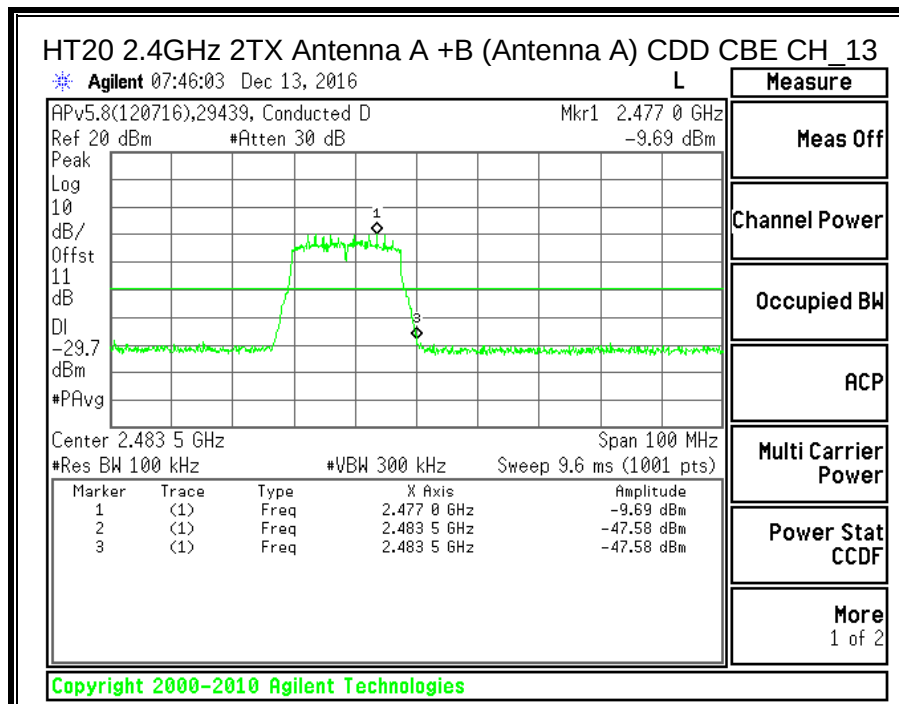




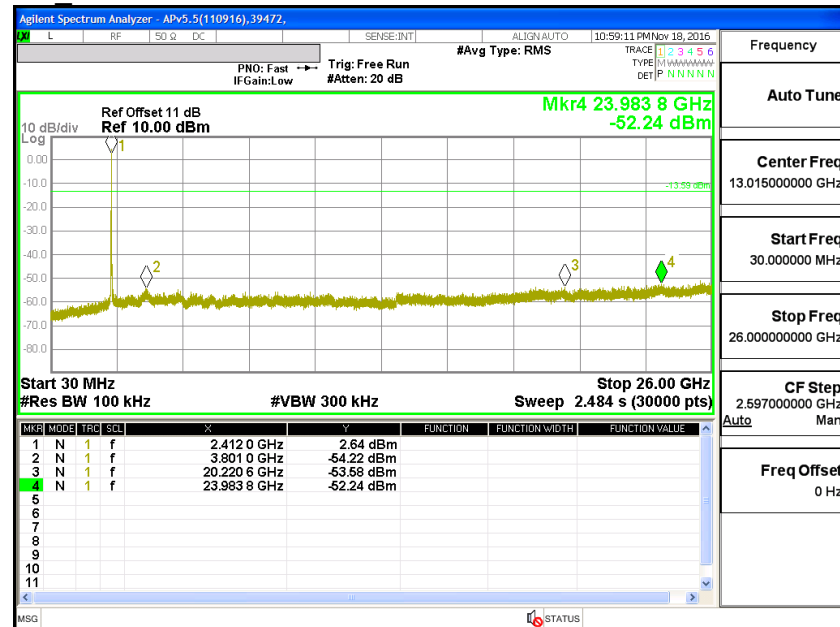




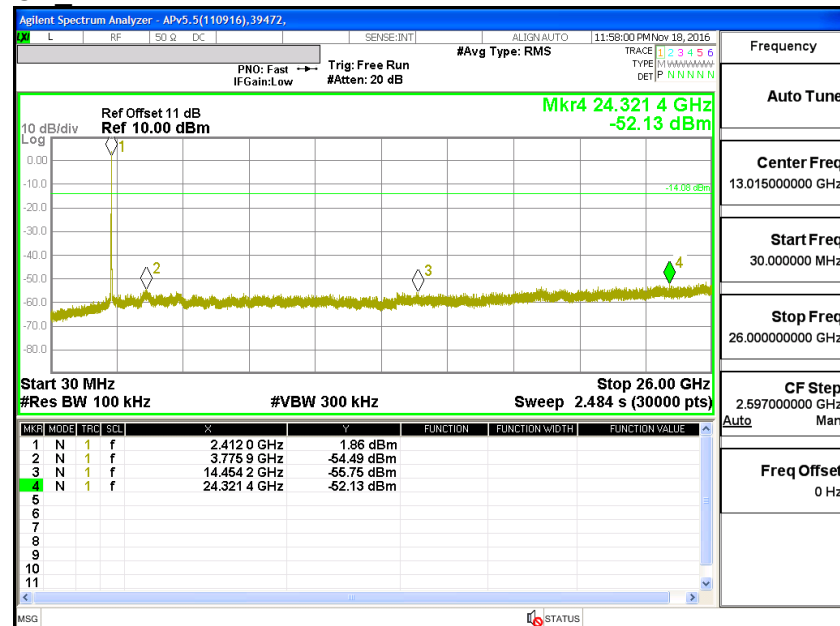




HT20 2.4GHz 2TX Antenna A +B (Antenna A) CDD CSPUR CH 1



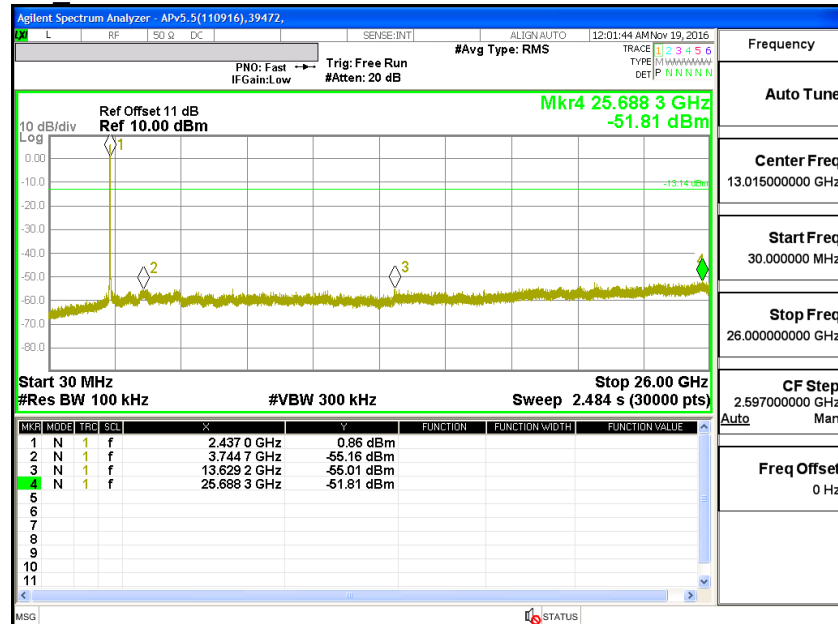
HT20 2.4GHz 2TX Antenna A +B (Antenna B) CDD CSPUR CH 1



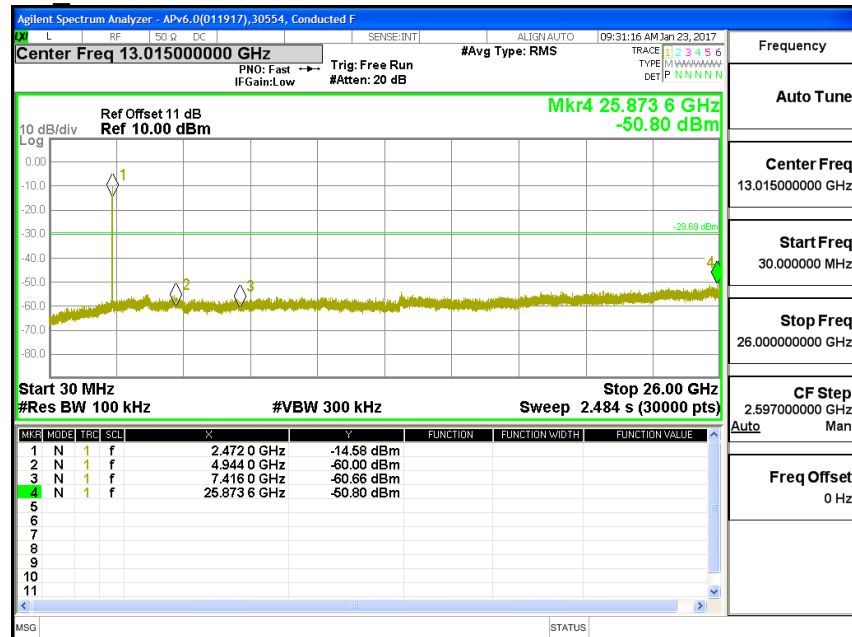
HT20 2.4GHz 2TX Antenna A +B (Antenna A) CDD CSPUR CH 6



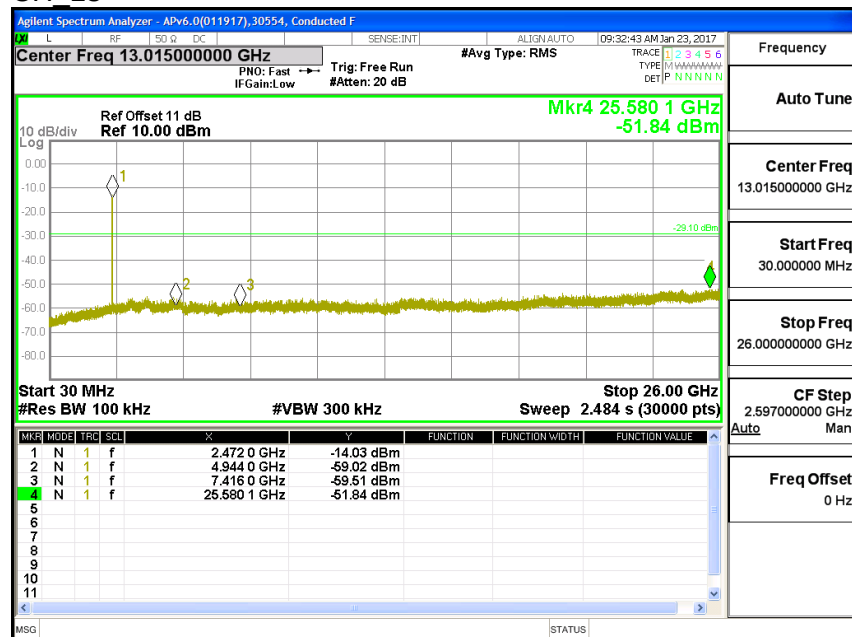
HT20 2.4GHz 2TX Antenna A +B (Antenna B) CDD CSPUR CH 6



HT20 2.4GHz 2TX Antenna A +B (Antenna A) CDD CSPUR CH 13



HT20 2.4GHz 2TX Antenna A +B (Antenna B) CDD CSPUR CH 13



9. RADIATED TEST RESULTS

9.1. 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
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.

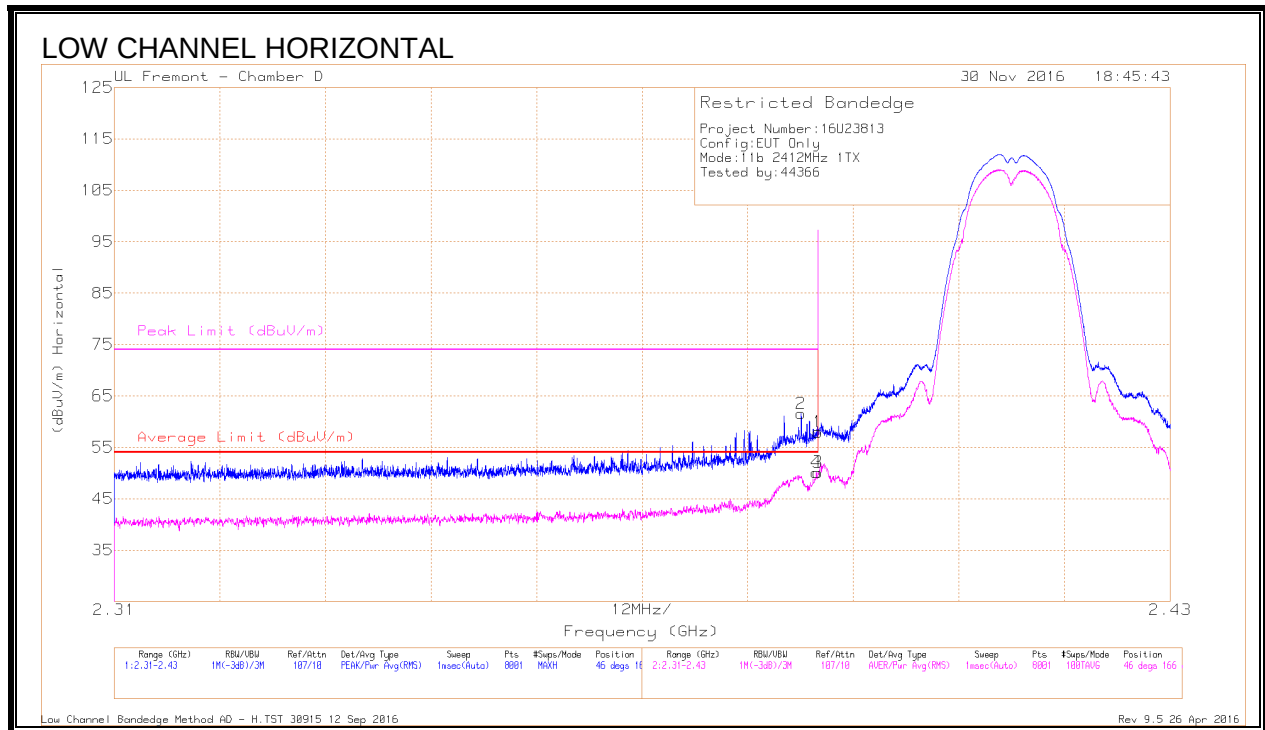
For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

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

9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. 11b Antenna A SISO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)

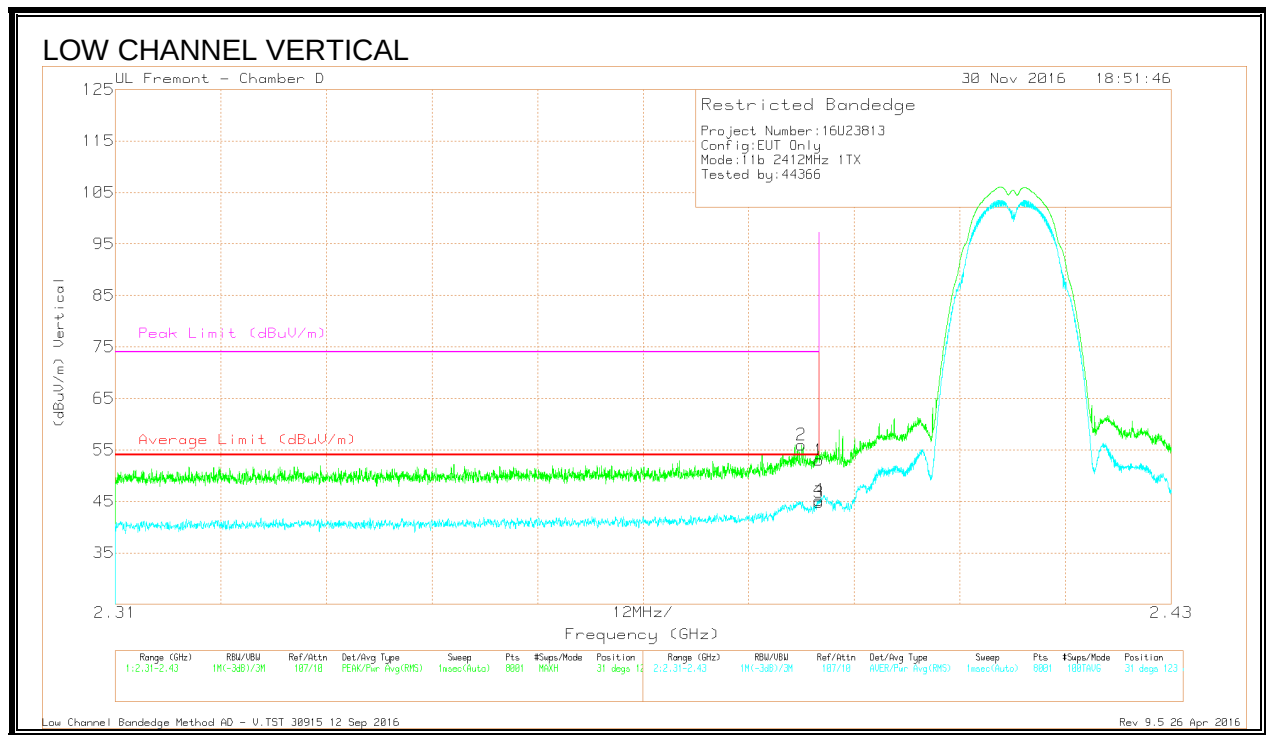


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 2.39	46.57	Pk	32.1	-20.7	57.97	-	-	74	-16.03	46	166	H
2	* 2.388	50.25	Pk	32.1	-20.8	61.55	-	-	74	-12.45	46	166	H
3	* 2.39	38.71	RMS	32.1	-20.7	50.11	54	-3.89	-	-	46	166	H
4	* 2.39	38.8	RMS	32.1	-20.8	50.1	54	-3.9	-	-	46	166	H

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

Pk - Peak detector

RMS - RMS detection



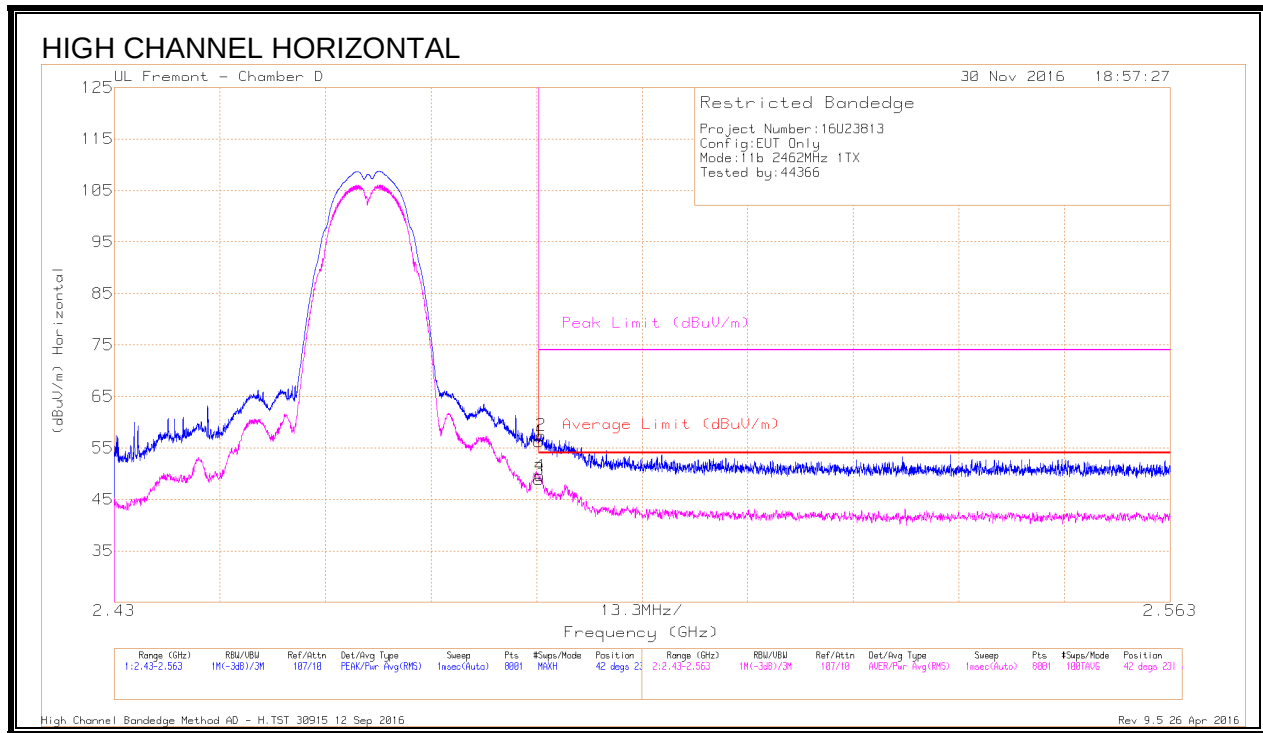
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.62	Pk	32.1	-20.7	53.02	-	-	74	-20.98	31	123	V
2	* 2.388	44.66	Pk	32.1	-20.8	55.96	-	-	74	-18.04	31	123	V
3	* 2.39	33.42	RMS	32.1	-20.7	44.82	54	-9.18	-	-	31	123	V
4	* 2.39	33.83	RMS	32.1	-20.7	45.23	54	-8.77	-	-	31	123	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)

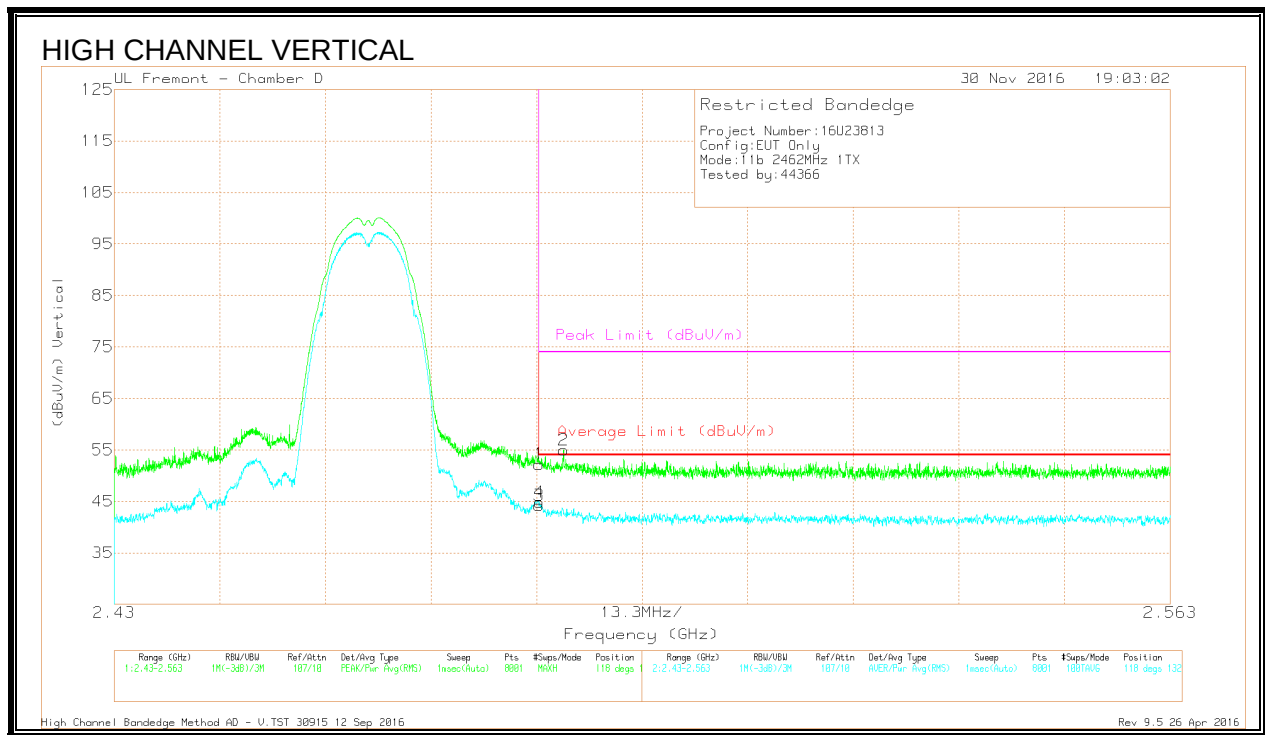


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.76	Pk	32.3	-20.8	56.26	-	-	74	-17.74	42	231	H
2	* 2.484	45.96	Pk	32.3	-20.8	57.46	-	-	74	-16.54	42	231	H
3	* 2.484	37.39	RMS	32.3	-20.8	48.89	54	-5.11	-	-	42	231	H
4	* 2.484	38.09	RMS	32.3	-20.8	49.59	54	-4.41	-	-	42	231	H

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

Pk - Peak detector

RMS - RMS detection



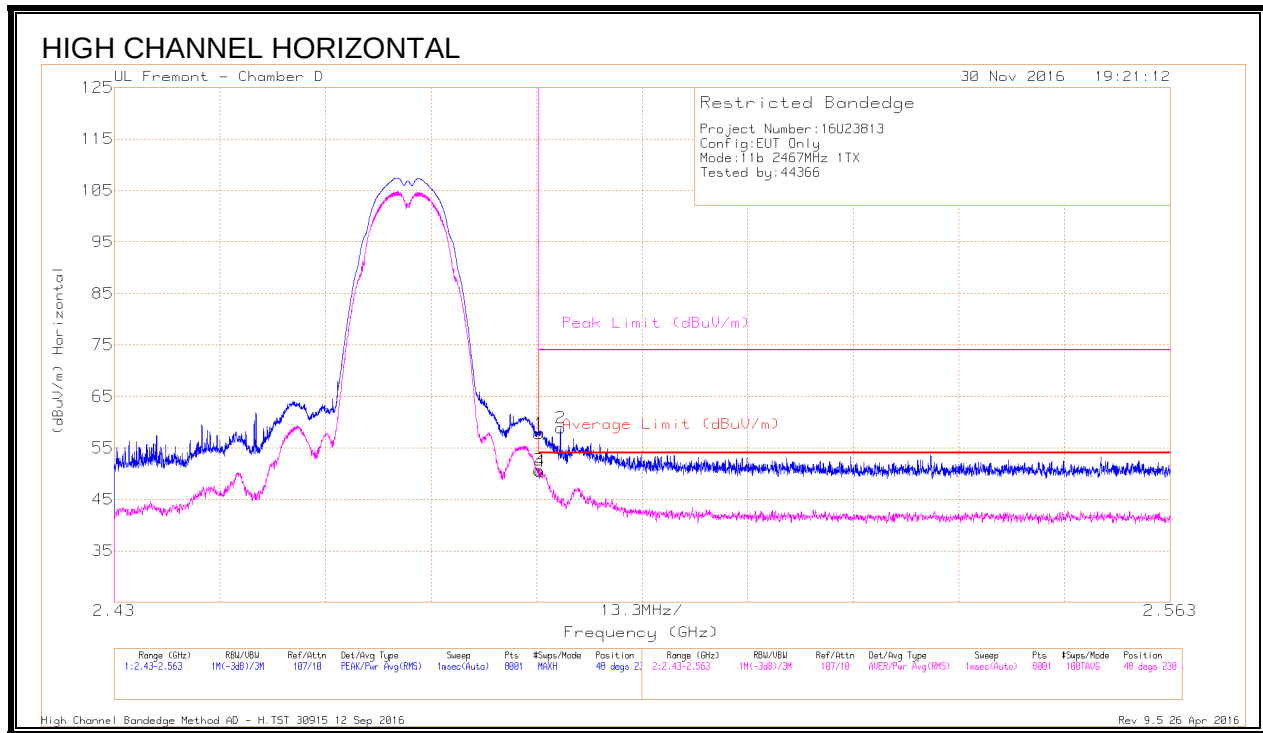
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.72	Pk	32.3	-20.8	52.22	-	-	74	-21.78	118	132	V
2	* 2.487	43.45	Pk	32.3	-20.8	54.95	-	-	74	-19.05	118	132	V
3	* 2.484	32.7	RMS	32.3	-20.8	44.2	54	-9.8	-	-	118	132	V
4	* 2.484	33.3	RMS	32.3	-20.8	44.8	54	-9.2	-	-	118	132	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Fl tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.28	Pk	32.3	-20.8	57.78	-	-	74	-16.22	48	230	H
2	* 2.486	47.39	Pk	32.3	-20.8	58.89	-	-	74	-15.11	48	230	H
3	* 2.484	39.18	RMS	32.3	-20.8	50.68	54	-3.32	-	-	48	230	H
4	* 2.484	38.93	RMS	32.3	-20.8	50.43	54	-3.57	-	-	48	230	H

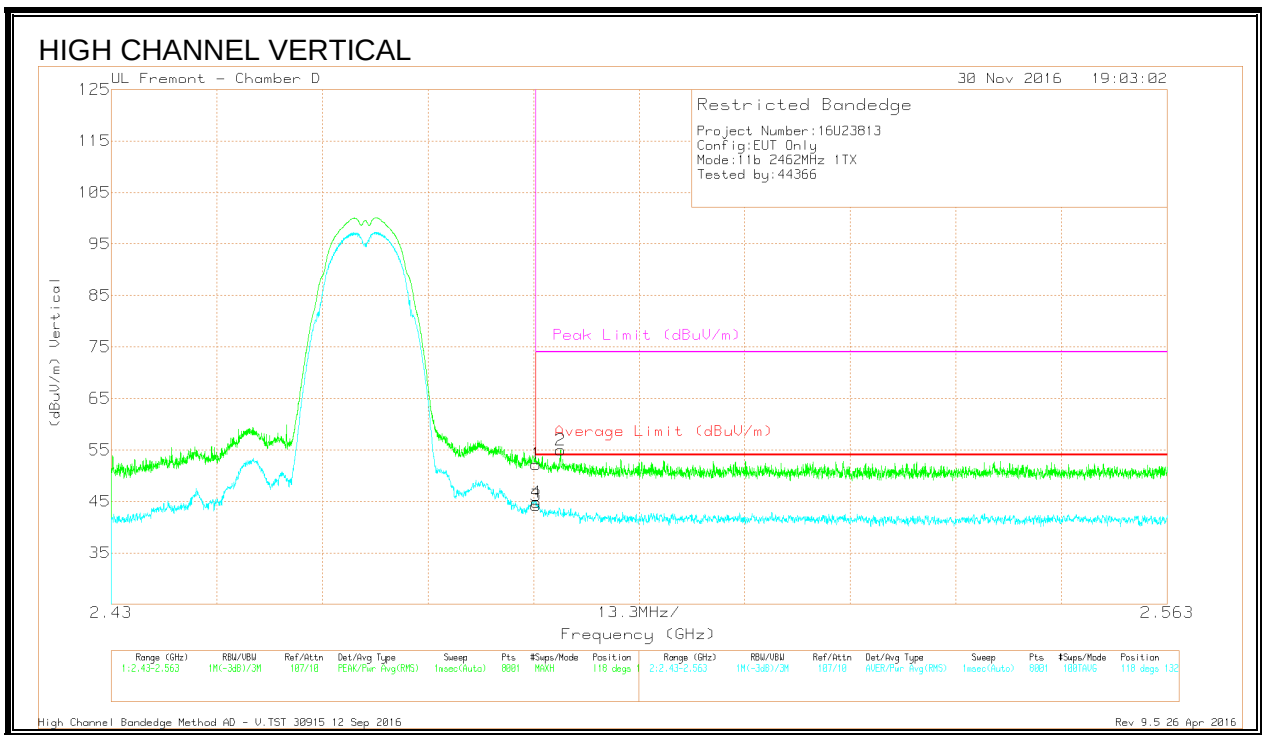
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.72	Pk	32.3	-20.8	52.22	-	-	74	-21.78	118	132	V
2	* 2.487	43.45	Pk	32.3	-20.8	54.95	-	-	74	-19.05	118	132	V
3	* 2.484	32.7	RMS	32.3	-20.8	44.2	54	-9.8	-	-	118	132	V
4	* 2.484	33.3	RMS	32.3	-20.8	44.8	54	-9.2	-	-	118	132	V

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

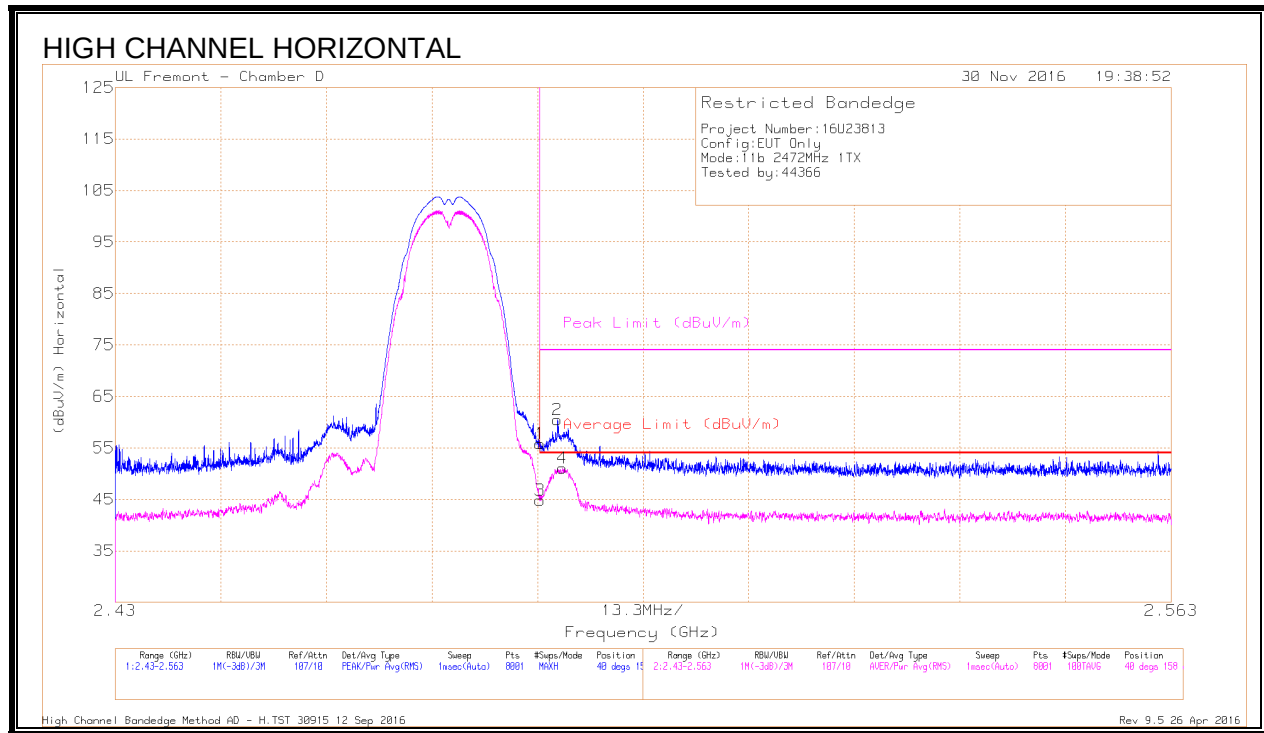
Pk - Peak detector

RMS - RMS detection

High Channel Bandedge Method AD - V.TST 30915 12 Sep 2016

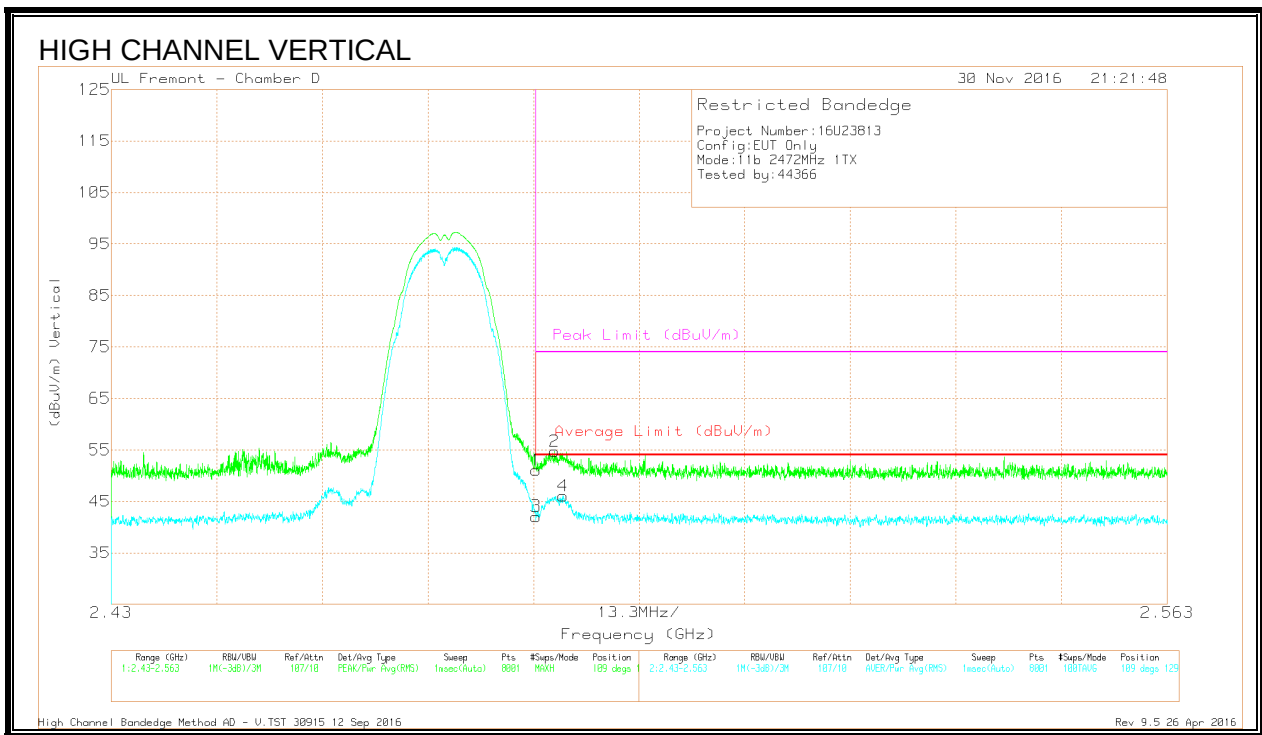
Rev 9.5 26 Apr 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl /Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.29	Pk	32.3	-20.8	55.79	-	-	74	-18.21	40	158	H
2	* 2.486	48.96	Pk	32.3	-20.8	60.46	-	-	74	-13.54	40	158	H
3	* 2.484	33.32	RMS	32.3	-20.8	44.82	54	-9.18	-	-	40	158	H
4	* 2.486	39.56	RMS	32.3	-20.8	51.06	54	-2.94	-	-	40	158	H

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



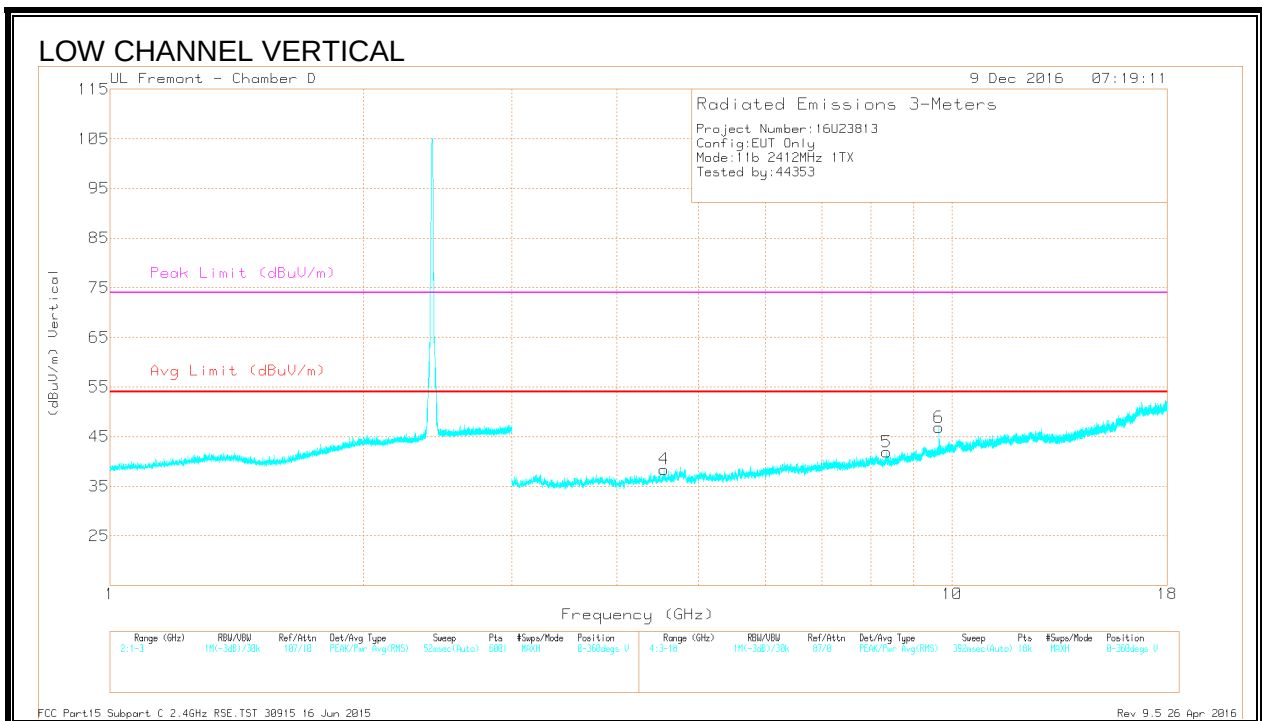
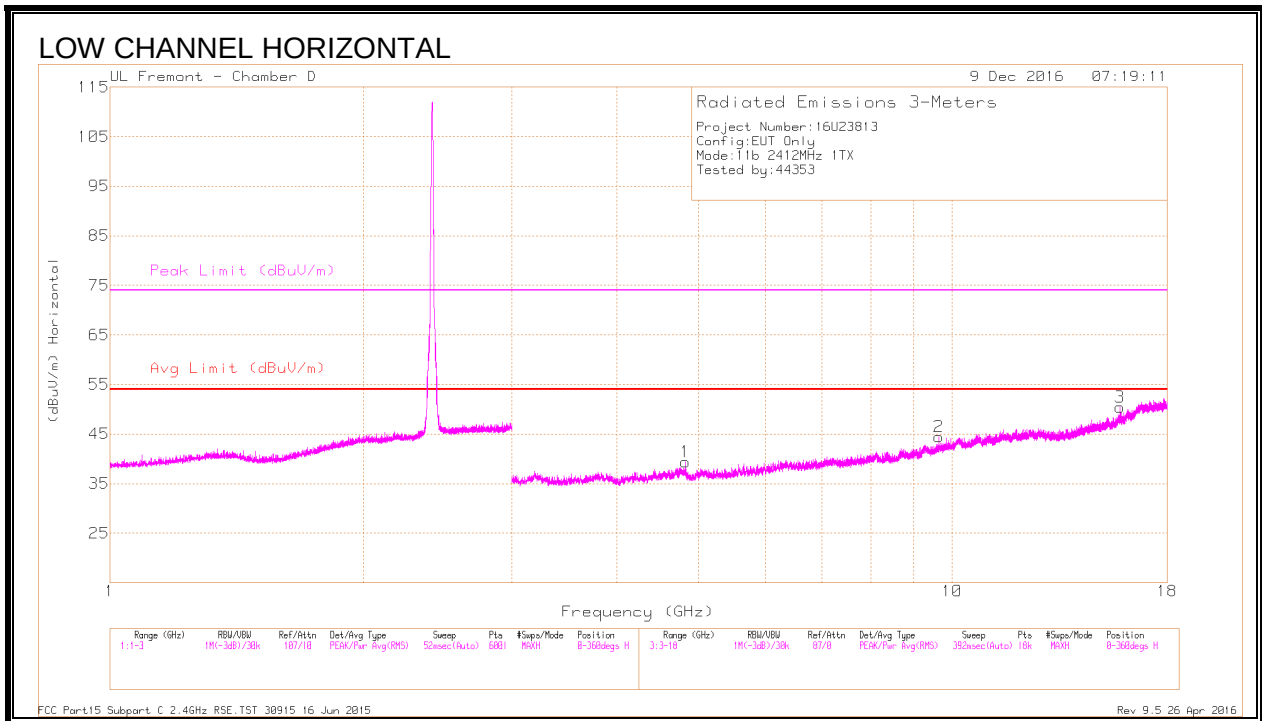
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.56	Pk	32.3	-20.8	51.06	-	-	74	-22.94	109	129	V
2	* 2.486	43.23	Pk	32.3	-20.8	54.73	-	-	74	-19.27	109	129	V
3	* 2.484	30.56	RMS	32.3	-20.8	42.06	54	-11.94	-	-	109	129	V
4	* 2.487	34.53	RMS	32.3	-20.8	46.03	54	-7.97	-	-	109	129	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)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/P ad (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	38.22	PK2	34.1	-27.4	44.92	-	-	74	-29.08	37	110	H
	* 4.824	29	MAv1	34.1	-27.4	35.7	54	-18.3	-	-	37	110	H
3	* 15.814	35.43	PK2	40.3	-19.1	56.63	-	-	74	-17.37	7	228	H
	* 15.814	23.48	MAv1	40.3	-19.1	44.68	54	-9.32	-	-	7	228	H
4	* 4.547	38.57	PK2	34	-27.9	44.67	-	-	74	-29.33	269	176	V
	* 4.548	27.9	MAv1	34	-27.9	34	54	-20	-	-	269	176	V
5	* 8.363	35.37	PK2	35.8	-23.1	48.07	-	-	74	-25.93	151	282	V
	* 8.364	24.75	MAv1	35.8	-23.1	37.45	54	-16.55	-	-	151	282	V
2	9.648	36.06	PK2	36.7	-21.2	51.56	-	-	-	-	30	123	H
6	9.648	38.37	PK2	36.7	-21.2	53.87	-	-	-	-	108	136	V

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

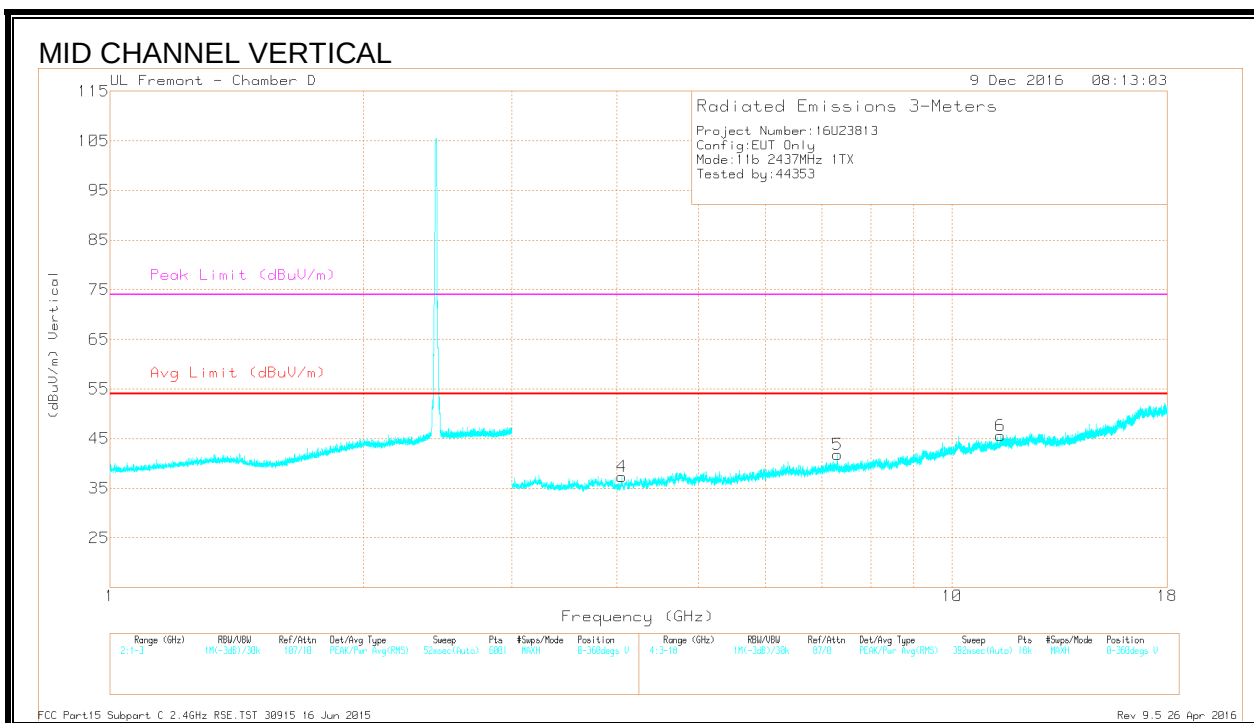
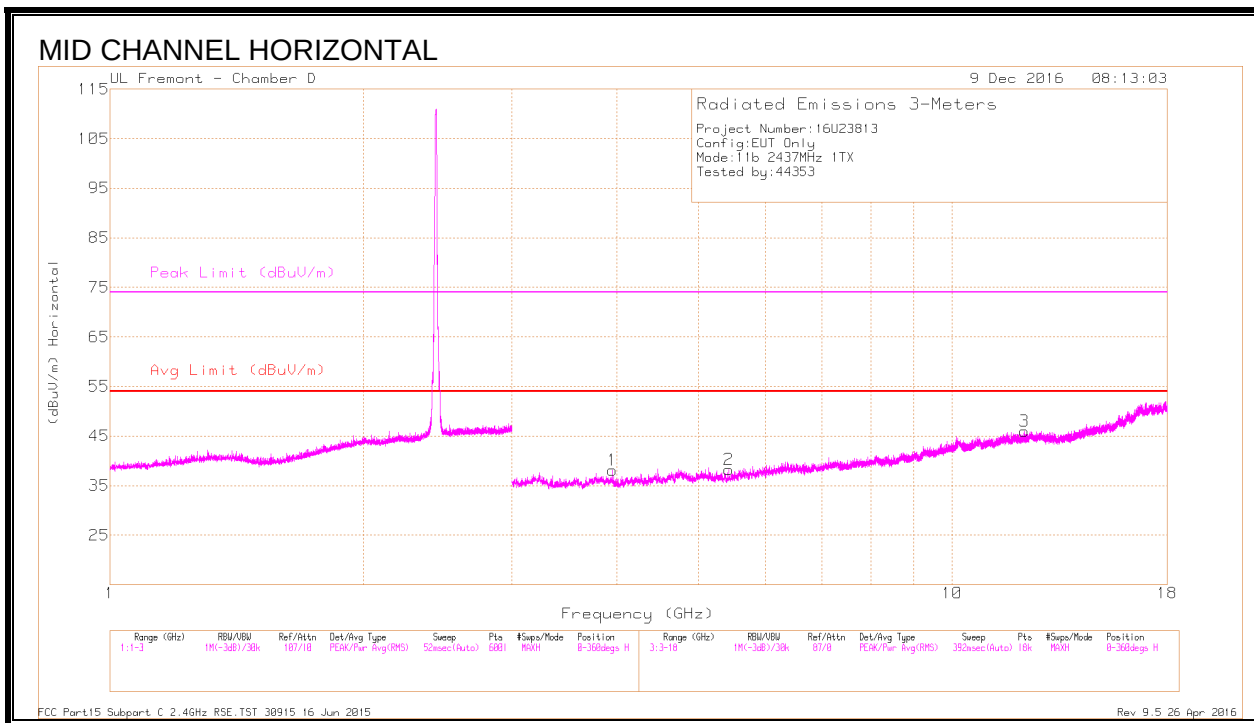
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.952	37.89	PK2	33.4	-28.3	42.99	-	-	74	-31.01	324	190	H
	* 3.95	27.91	MAv1	33.4	-28.3	33.01	54	-20.99	-	-	324	190	H
2	* 5.429	36.95	PK2	34.4	-27.7	43.65	-	-	74	-30.35	84	142	H
	* 5.43	27.17	MAv1	34.4	-27.7	33.87	54	-20.13	-	-	84	142	H
3	* 12.17	34.07	PK2	39	-21	52.07	-	-	74	-21.93	173	288	H
	* 12.17	23.81	MAv1	39	-21	41.81	54	-12.19	-	-	173	288	H
4	* 4.054	38.65	PK2	33.4	-28.4	43.65	-	-	74	-30.35	211	127	V
	* 4.056	28.05	MAv1	33.5	-28.4	33.15	54	-20.85	-	-	211	127	V
5	* 7.311	37.4	PK2	35.7	-25.2	47.9	-	-	74	-26.1	72	205	V
	* 7.312	27.73	MAv1	35.7	-25.2	38.23	54	-15.77	-	-	72	205	V
6	* 11.417	34.74	PK2	38.3	-21.1	51.94	-	-	74	-22.06	105	260	V
	* 11.418	24.2	MAv1	38.3	-21.1	41.4	54	-12.6	-	-	105	260	V

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

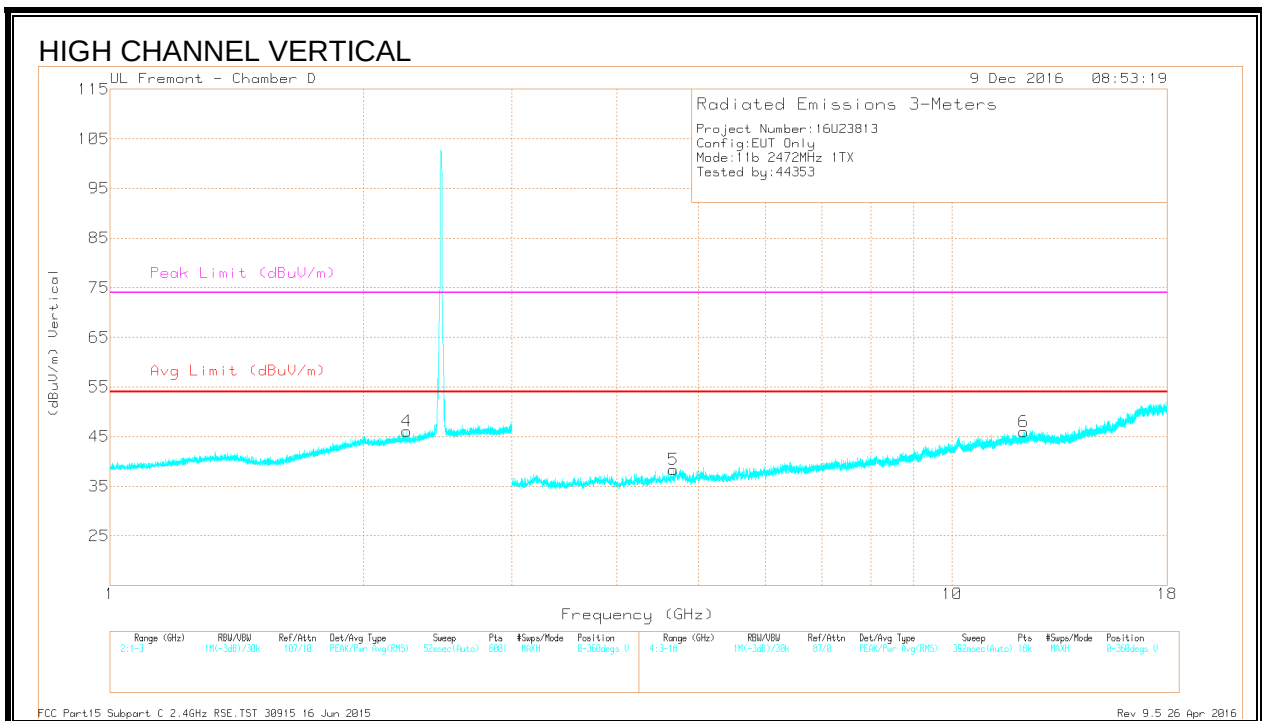
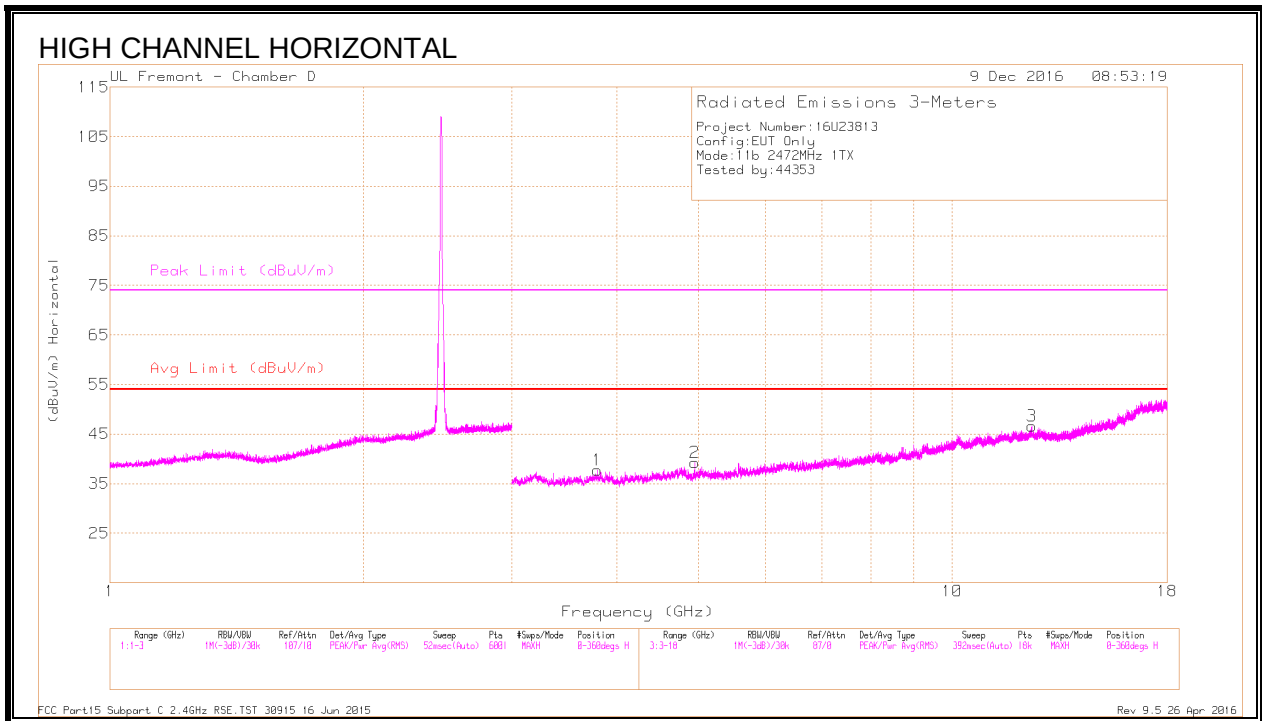
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.252	41.53	PK2	31.5	-21	52.03	-	-	74	-21.97	261	175	V
	* 2.252	30.62	MAv1	31.5	-21	41.12	54	-12.88	-	-	261	175	V
1	* 3.79	38.08	PK2	33.5	-28.3	43.28	-	-	74	-30.72	116	140	H
	* 3.79	27.84	MAv1	33.5	-28.3	33.04	54	-20.96	-	-	116	140	H
2	* 4.944	37.71	PK2	34.1	-28.1	43.71	-	-	74	-30.29	34	281	H
	* 4.944	27.77	MAv1	34.1	-28.1	33.77	54	-20.23	-	-	34	281	H
3	* 12.428	34.35	PK2	39.1	-20.5	52.95	-	-	74	-21.05	325	189	H
	* 12.431	23.94	MAv1	39.1	-20.4	42.64	54	-11.36	-	-	325	189	H
5	* 4.668	37.73	PK2	34.1	-28.1	43.73	-	-	74	-30.27	107	113	V
	* 4.669	27.4	MAv1	34.1	-28.1	33.4	54	-20.6	-	-	107	113	V
6	* 12.158	33.83	PK2	39	-20.8	52.03	-	-	74	-21.97	217	328	V
	* 12.159	23.9	MAv1	39	-20.8	42.1	54	-11.9	-	-	217	328	V

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

PK2 - KDB558074 Method: Maximum Peak

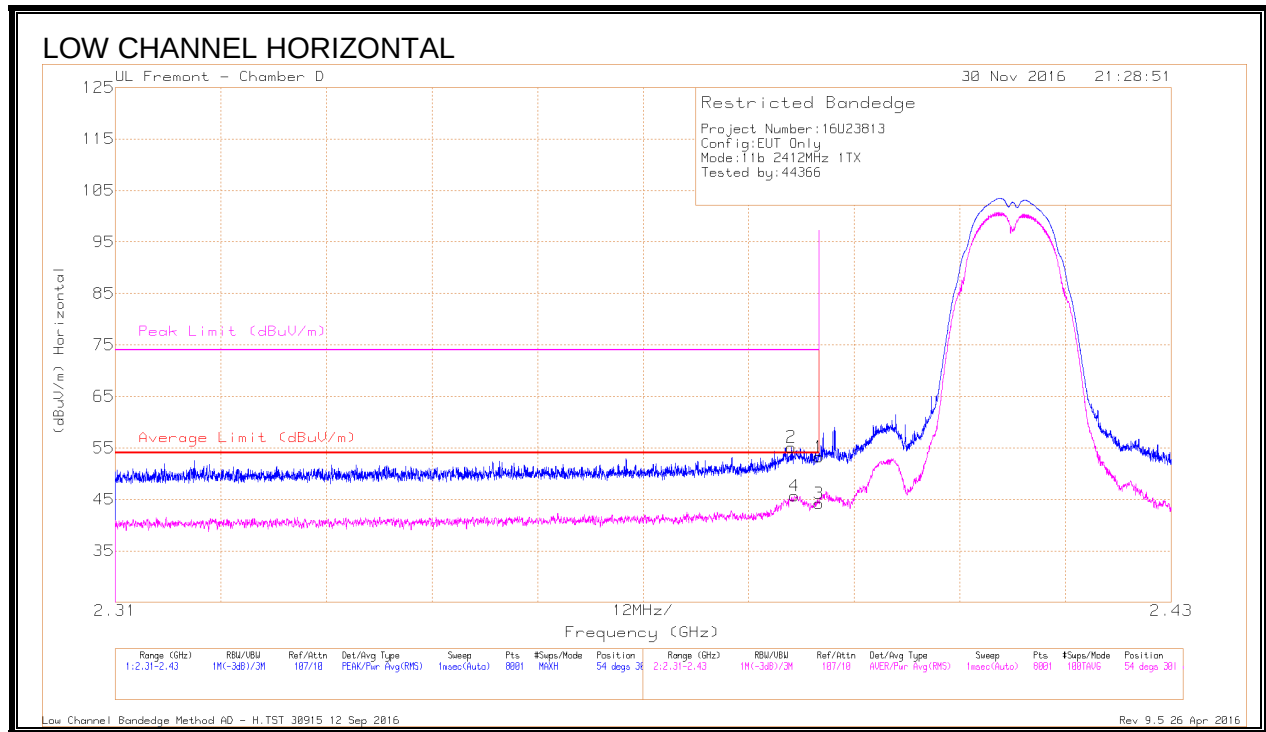
MAv1 - KDB558074 Option 1 Maximum RMS Average

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9.2.2. 11b Antenna B SISO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)

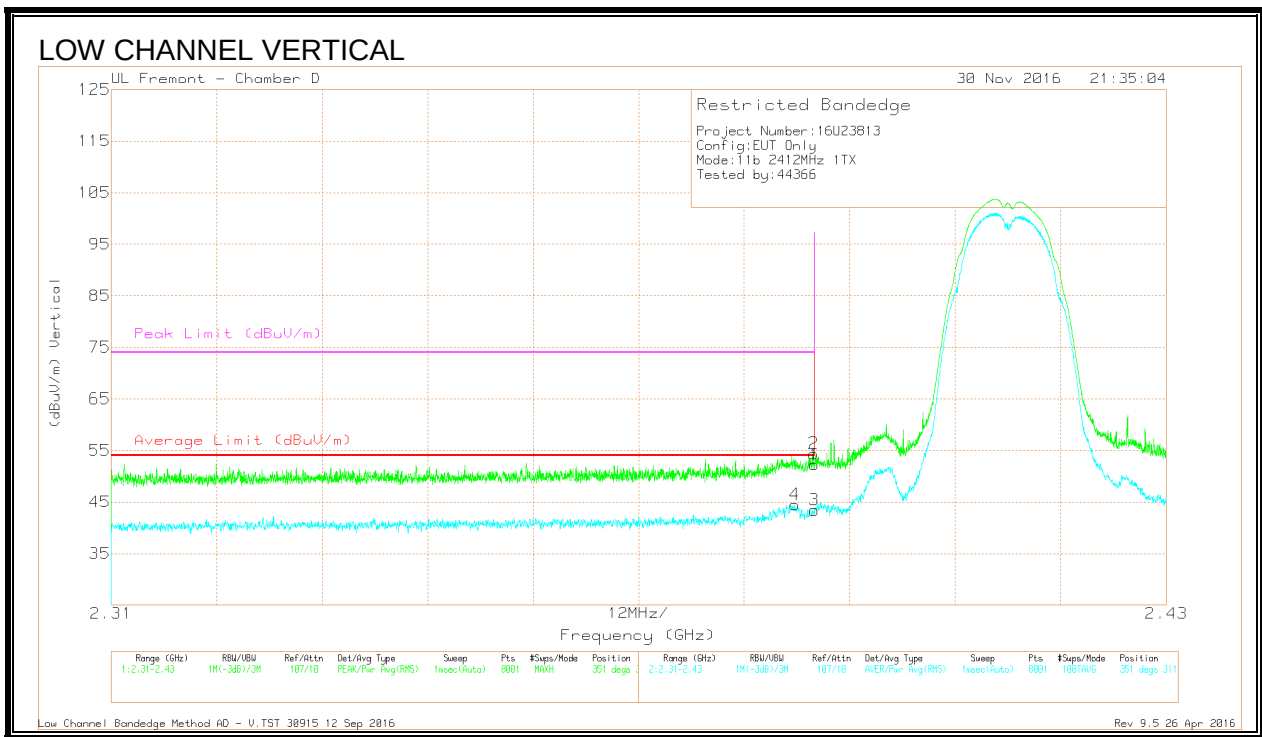


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.86	Pk	32.1	-20.7	53.26	-	-	74	-20.74	54	301	H
2	* 2.387	43.84	Pk	32.1	-20.8	55.14	-	-	74	-18.86	54	301	H
3	* 2.39	32.8	RMS	32.1	-20.7	44.2	54	-9.8	-	-	54	301	H
4	* 2.387	34.36	RMS	32.1	-20.8	45.66	54	-8.34	-	-	54	301	H

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

Pk - Peak detector

RMS - RMS detection



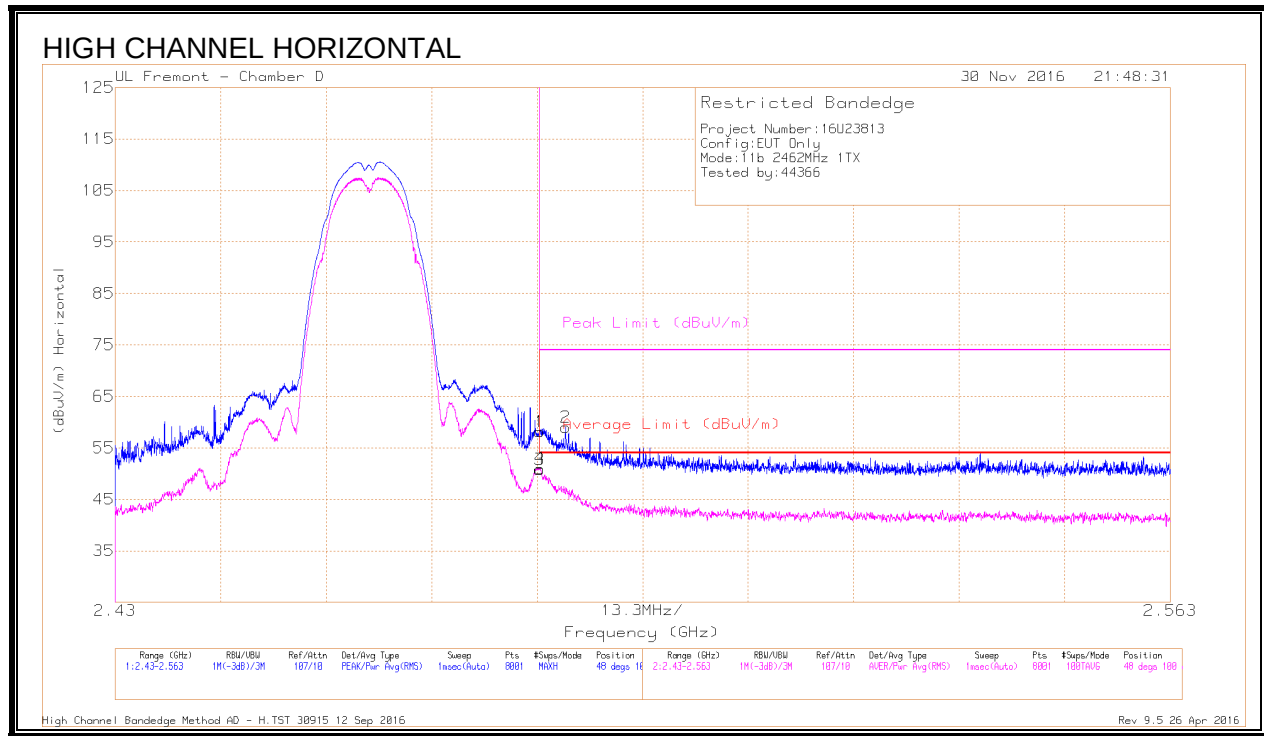
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.88	Pk	32.1	-20.7	52.28	-	-	74	-21.72	351	311	V
2	* 2.39	42.98	Pk	32.1	-20.7	54.38	-	-	74	-19.62	351	311	V
3	* 2.39	32.03	RMS	32.1	-20.7	43.43	54	-10.57	-	-	351	311	V
4	* 2.388	33.19	RMS	32.1	-20.8	44.49	54	-9.51	-	-	351	311	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)

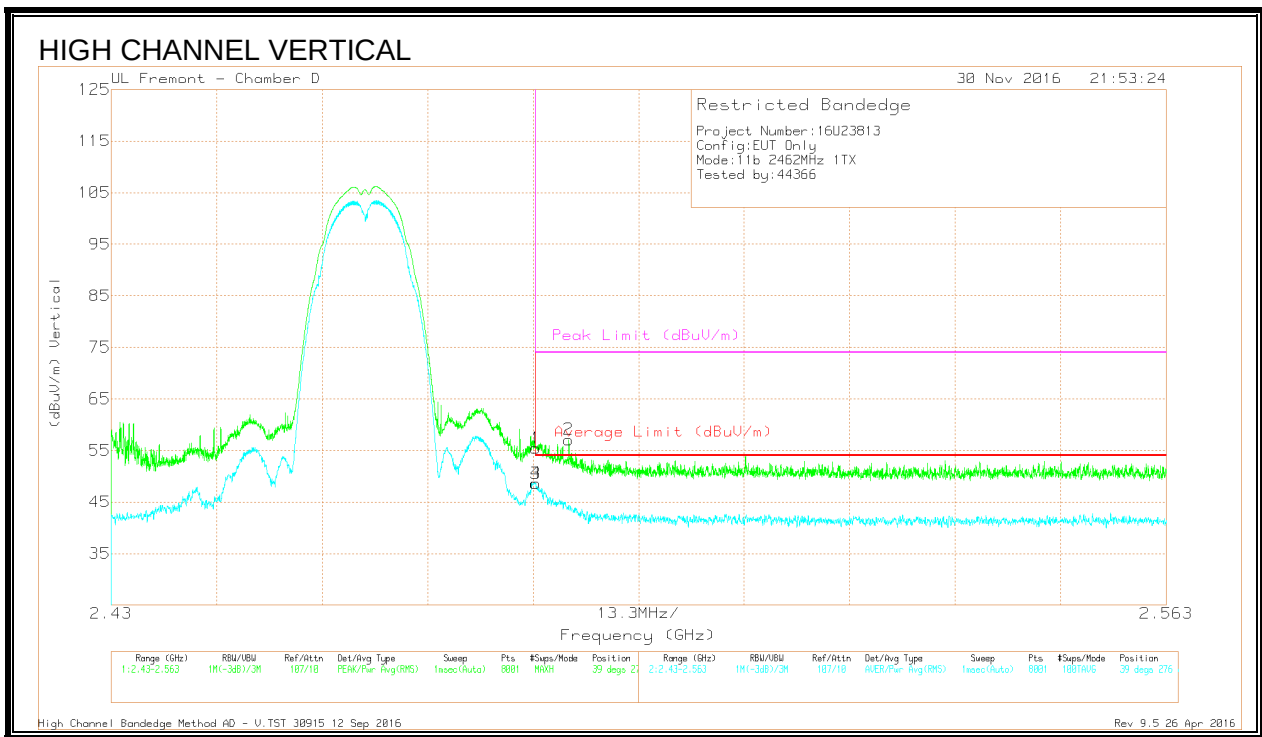


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.65	Pk	32.3	-20.8	58.15	-	-	74	-15.85	48	100	H
2	* 2.487	47.47	Pk	32.3	-20.8	58.97	-	-	74	-15.03	48	100	H
3	* 2.484	39.3	RMS	32.3	-20.8	50.8	54	-3.2	-	-	48	100	H
4	* 2.484	39.48	RMS	32.3	-20.8	50.98	54	-3.02	-	-	48	100	H

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

Pk - Peak detector

RMS - RMS detection



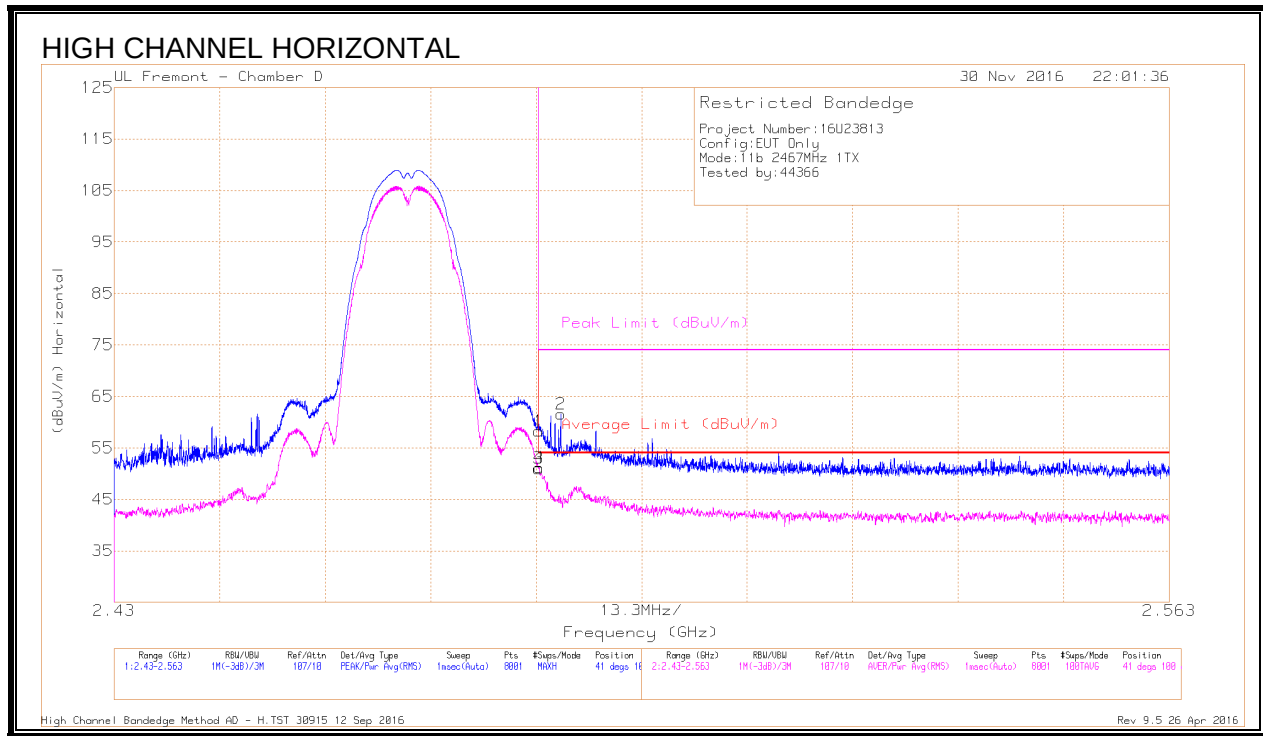
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.93	Pk	32.3	-20.8	55.43	-	-	74	-18.57	39	276	V
2	* 2.488	45.6	Pk	32.3	-20.8	57.1	-	-	74	-16.9	39	276	V
3	* 2.484	37.09	RMS	32.3	-20.8	48.59	54	-5.41	-	-	39	276	V
4	* 2.484	37.16	RMS	32.3	-20.8	48.66	54	-5.34	-	-	39	276	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.77	Pk	32.3	-20.8	58.27	-	-	74	-15.73	41	100	H
2	* 2.486	50.06	Pk	32.3	-20.8	61.56	-	-	74	-12.44	41	100	H
3	* 2.484	39.51	RMS	32.3	-20.8	51.01	54	-2.99	-	-	41	100	H
4	* 2.484	39.66	RMS	32.3	-20.8	51.16	54	-2.84	-	-	41	100	H

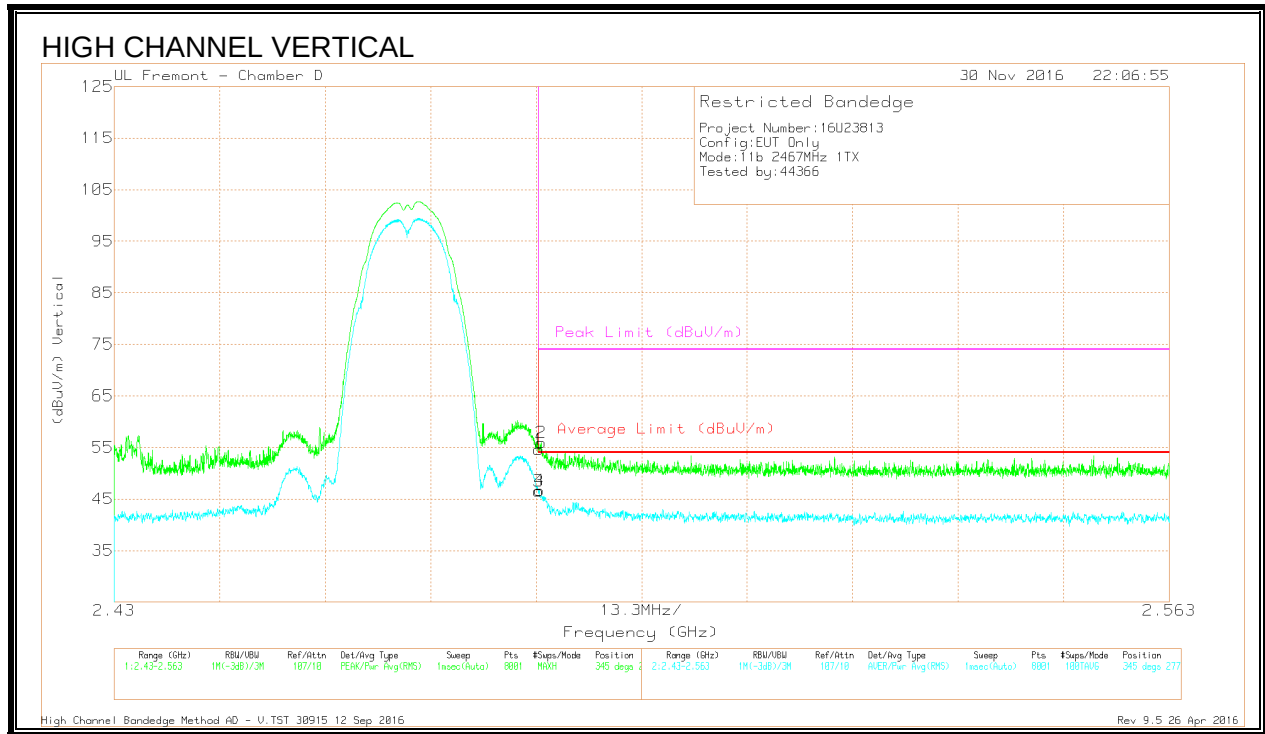
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.08	Pk	32.3	-20.8	54.58	-	-	74	-19.42	345	277	V
2	* 2.484	44.42	Pk	32.3	-20.8	55.92	-	-	74	-18.08	345	277	V
3	* 2.484	35.05	RMS	32.3	-20.8	46.55	54	-7.45	-	-	345	277	V
4	* 2.484	35.13	RMS	32.3	-20.8	46.63	54	-7.37	-	-	345	277	V

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

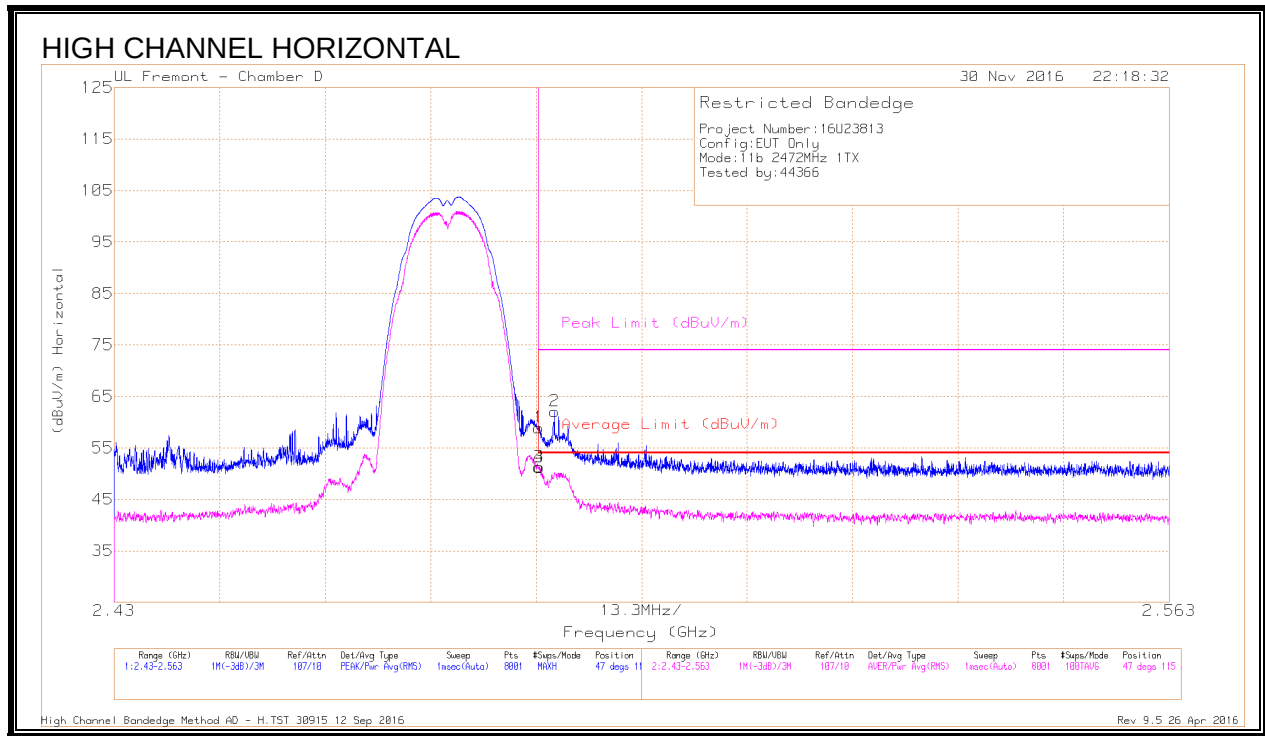
Pk - Peak detector

RMS - RMS detection

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AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)

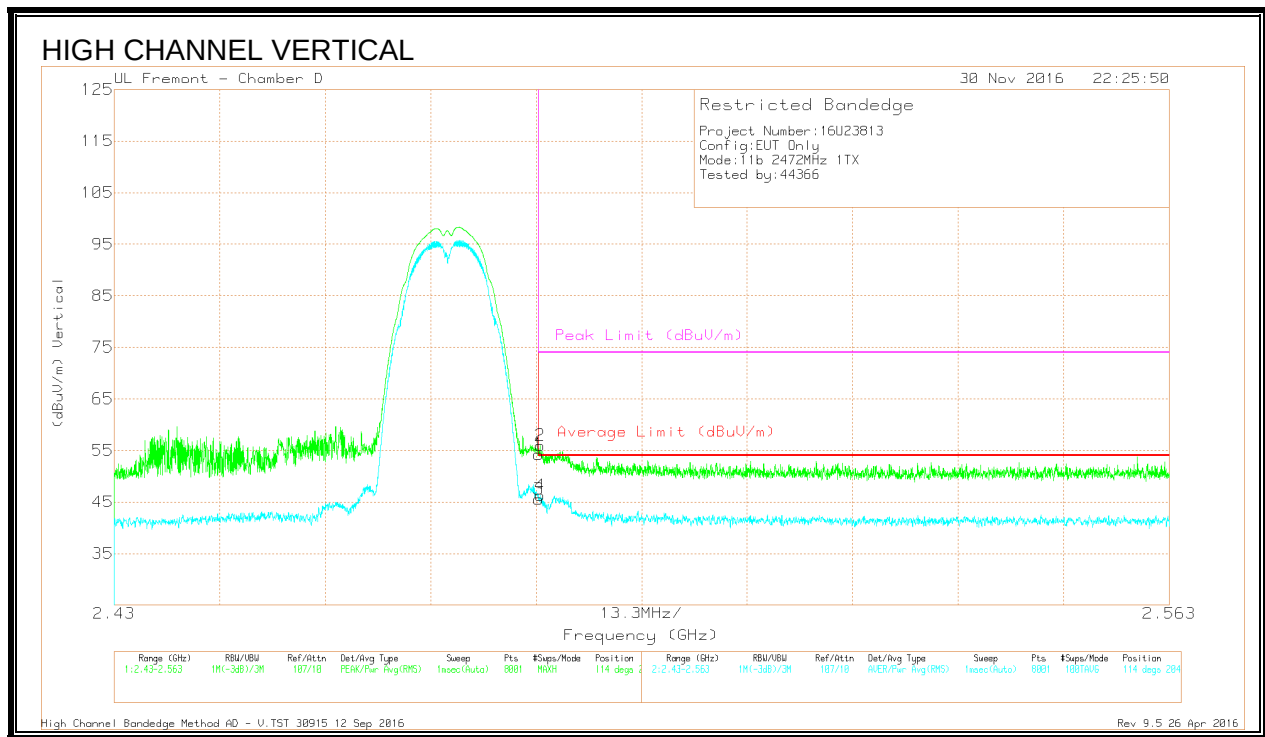


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.44	Pk	32.3	-20.8	58.94	-	-	74	-15.06	47	115	H
2	* 2.486	50.61	Pk	32.3	-20.8	62.11	-	-	74	-11.89	47	115	H
3	* 2.484	39.78	RMS	32.3	-20.8	51.28	54	-2.72	-	-	47	115	H
4	* 2.484	39.76	RMS	32.3	-20.8	51.26	54	-2.74	-	-	47	115	H

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

Pk - Peak detector

RMS - RMS detection



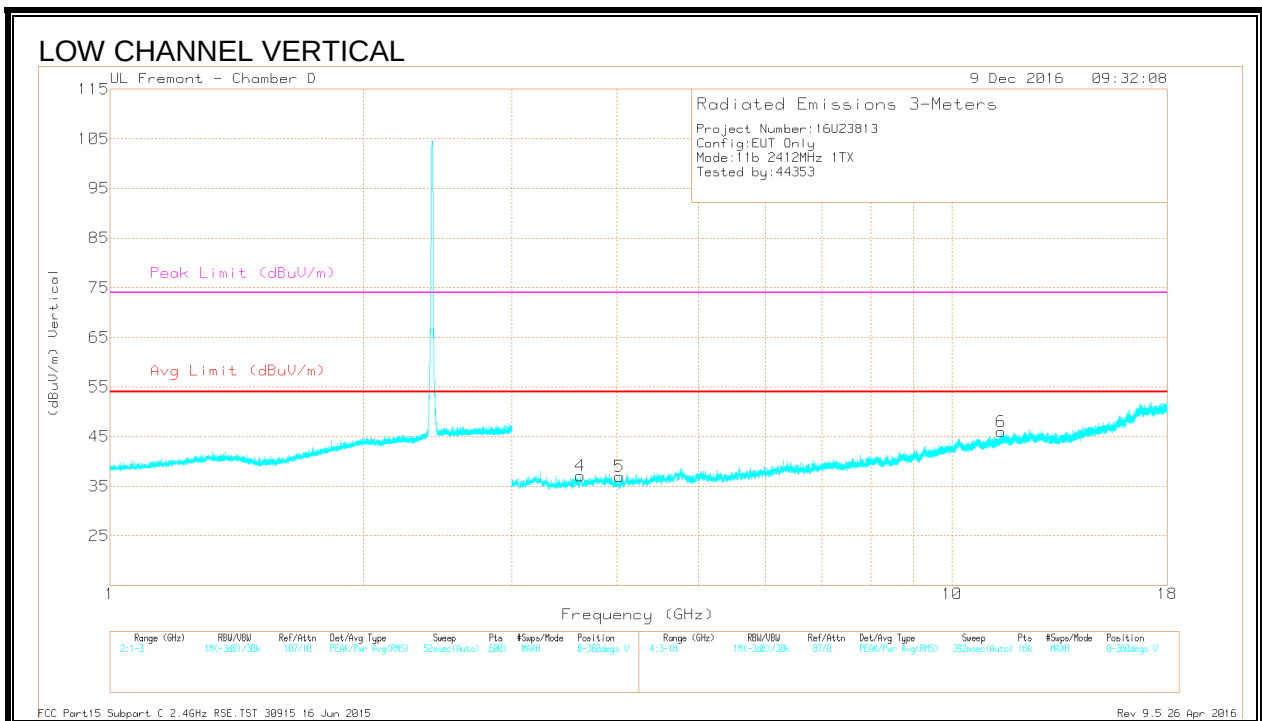
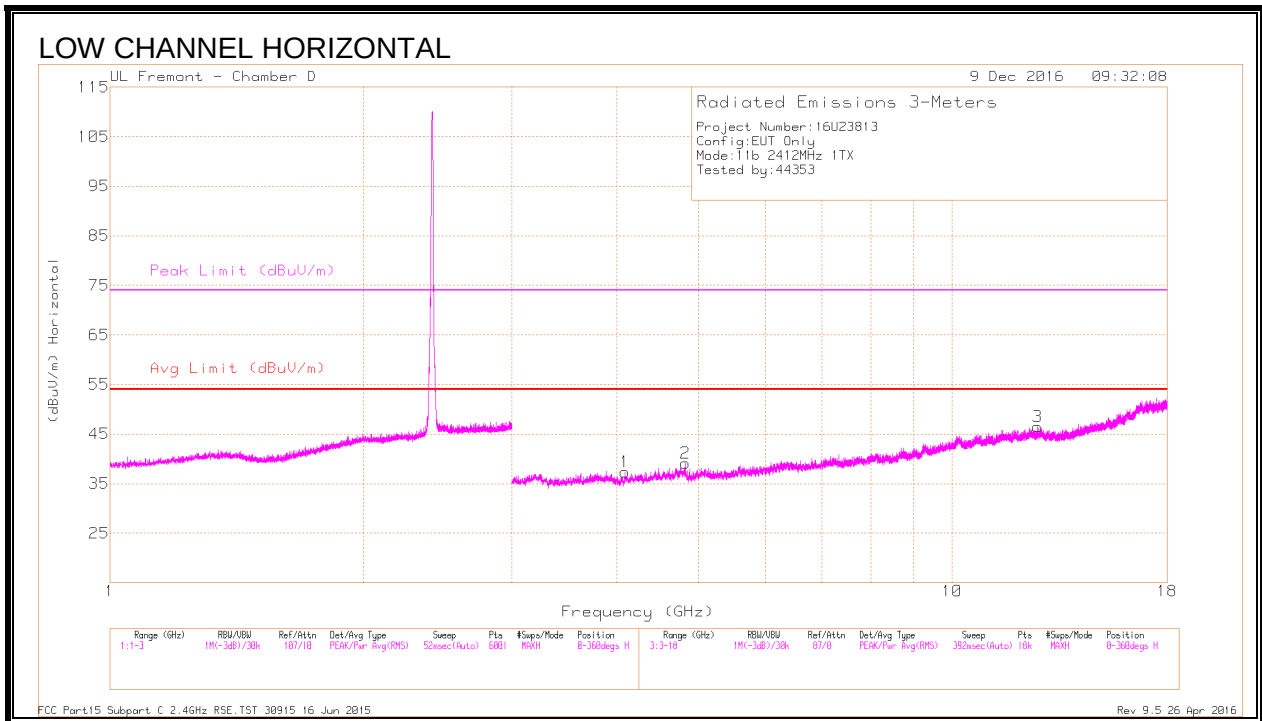
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.76	Pk	32.3	-20.8	54.26	-	-	74	-19.74	114	204	V
2	* 2.484	44.46	Pk	32.3	-20.8	55.96	-	-	74	-18.04	114	204	V
3	* 2.484	34.05	RMS	32.3	-20.8	45.55	54	-8.45	-	-	114	204	V
4	* 2.484	34.78	RMS	32.3	-20.8	46.28	54	-7.72	-	-	114	204	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)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.088	38.06	PK2	33.5	-28.1	43.46	-	-	74	-30.54	76	151	H
	* 4.087	27.82	MAv1	33.5	-28.1	33.22	54	-20.78	-	-	76	151	H
2	* 4.823	37.69	PK2	34.1	-27.4	44.39	-	-	74	-29.61	257	230	H
	* 4.824	27.95	MAv1	34.1	-27.4	34.65	54	-19.35	-	-	257	230	H
3	* 12.625	34.1	PK2	39.1	-21.4	51.8	-	-	74	-22.2	181	169	H
	* 12.626	24.39	MAv1	39.1	-21.4	42.09	54	-11.91	-	-	181	169	H
4	* 3.617	38.44	PK2	33.3	-28.4	43.34	-	-	74	-30.66	28	371	V
	* 3.616	28.51	MAv1	33.3	-28.4	33.41	54	-20.59	-	-	28	371	V
5	* 4.027	37.64	PK2	33.4	-28.7	42.34	-	-	74	-31.66	114	142	V
	* 4.027	27.74	MAv1	33.4	-28.7	32.44	54	-21.56	-	-	114	142	V
6	* 11.437	35.66	PK2	38.3	-21.3	52.66	-	-	74	-21.34	223	245	V
	* 11.435	24.68	MAv1	38.3	-21.3	41.68	54	-12.32	-	-	223	245	V

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

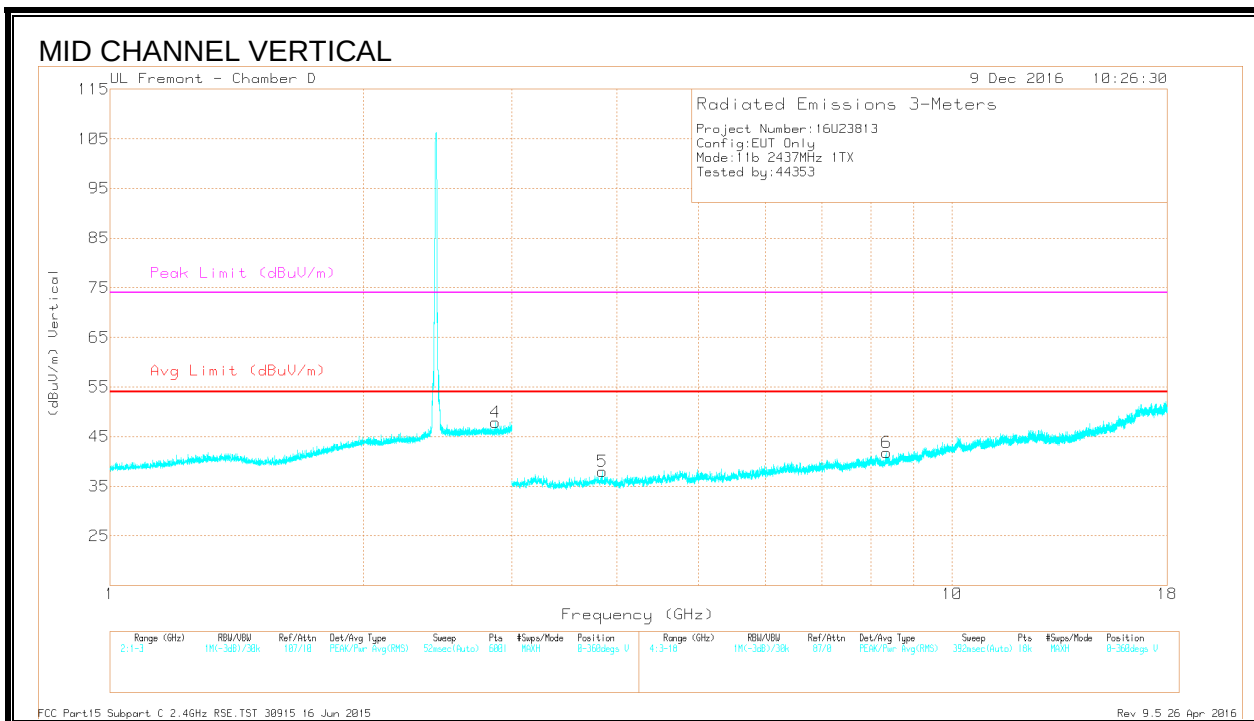
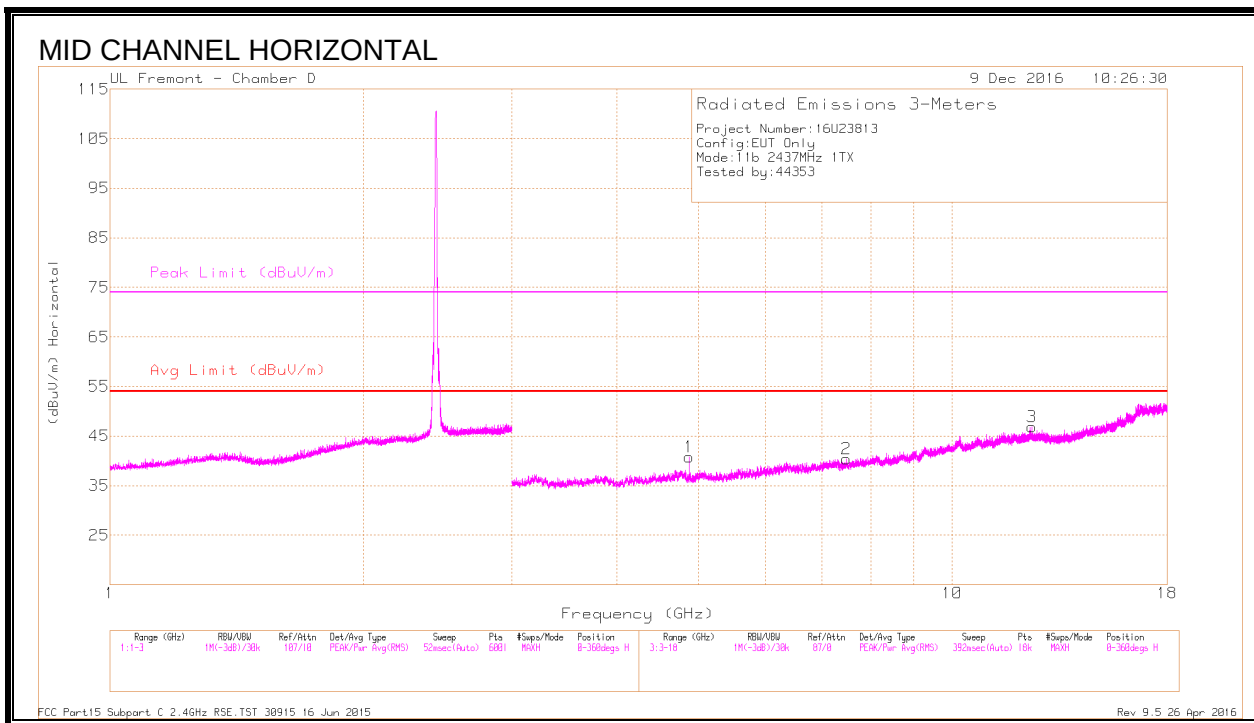
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

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HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.869	41.15	PK2	32.3	-20.2	53.25	-	-	74	-20.75	349	271	V
	* 2.866	30.41	MAv1	32.3	-20.2	42.51	54	-11.49	-	-	349	271	V
1	* 4.874	41.15	PK2	34.1	-28.1	47.15	-	-	74	-26.85	213	167	H
	* 4.874	32.99	MAv1	34.1	-28.1	38.99	54	-15.01	-	-	213	167	H
2	* 7.489	35.66	PK2	35.7	-25	46.36	-	-	74	-27.64	85	252	H
	* 7.489	25.85	MAv1	35.7	-25	36.55	54	-17.45	-	-	85	252	H
3	* 12.435	34.04	PK2	39.1	-20.5	52.64	-	-	74	-21.36	205	103	H
	* 12.435	24.11	MAv1	39.1	-20.6	42.61	54	-11.39	-	-	205	103	H
5	* 3.846	38.87	PK2	33.5	-28.7	43.67	-	-	74	-30.33	63	361	V
	* 3.843	28.39	MAv1	33.5	-28.7	33.19	54	-20.81	-	-	63	361	V
6	* 8.362	34.82	PK2	35.8	-23.1	47.52	-	-	74	-26.48	195	122	V
	* 8.359	25.05	MAv1	35.8	-23.1	37.75	54	-16.25	-	-	195	122	V

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

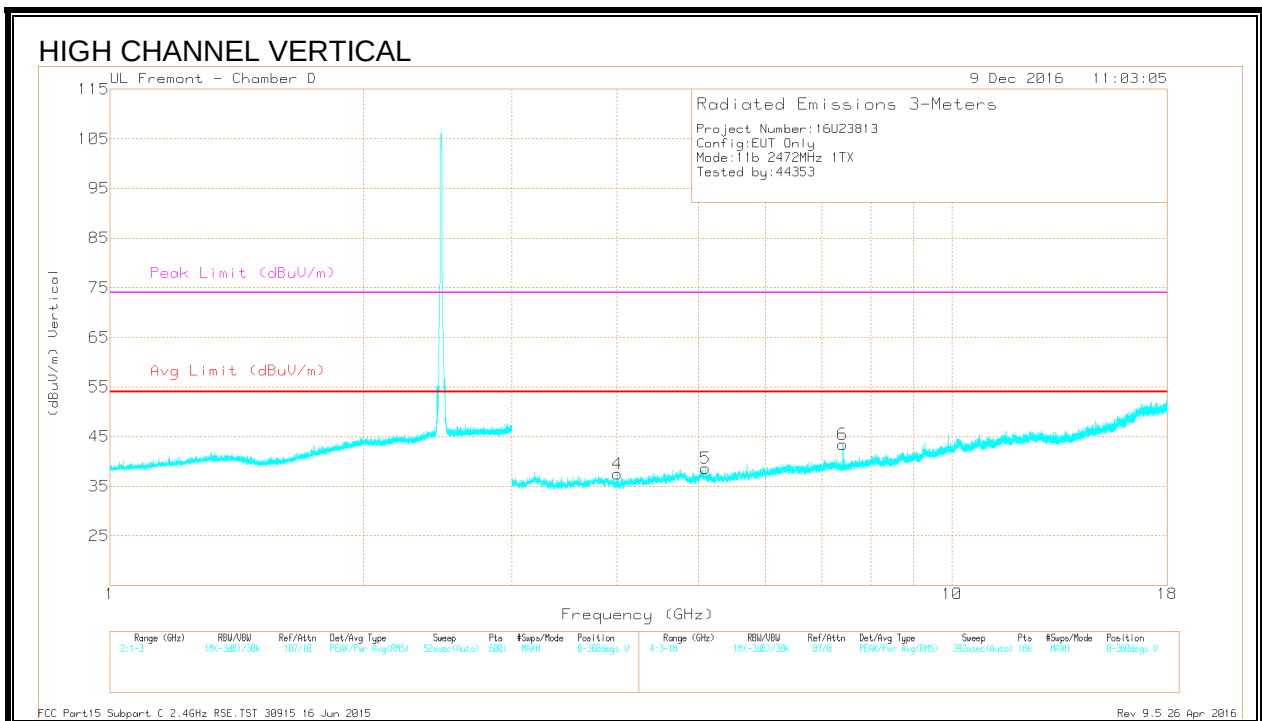
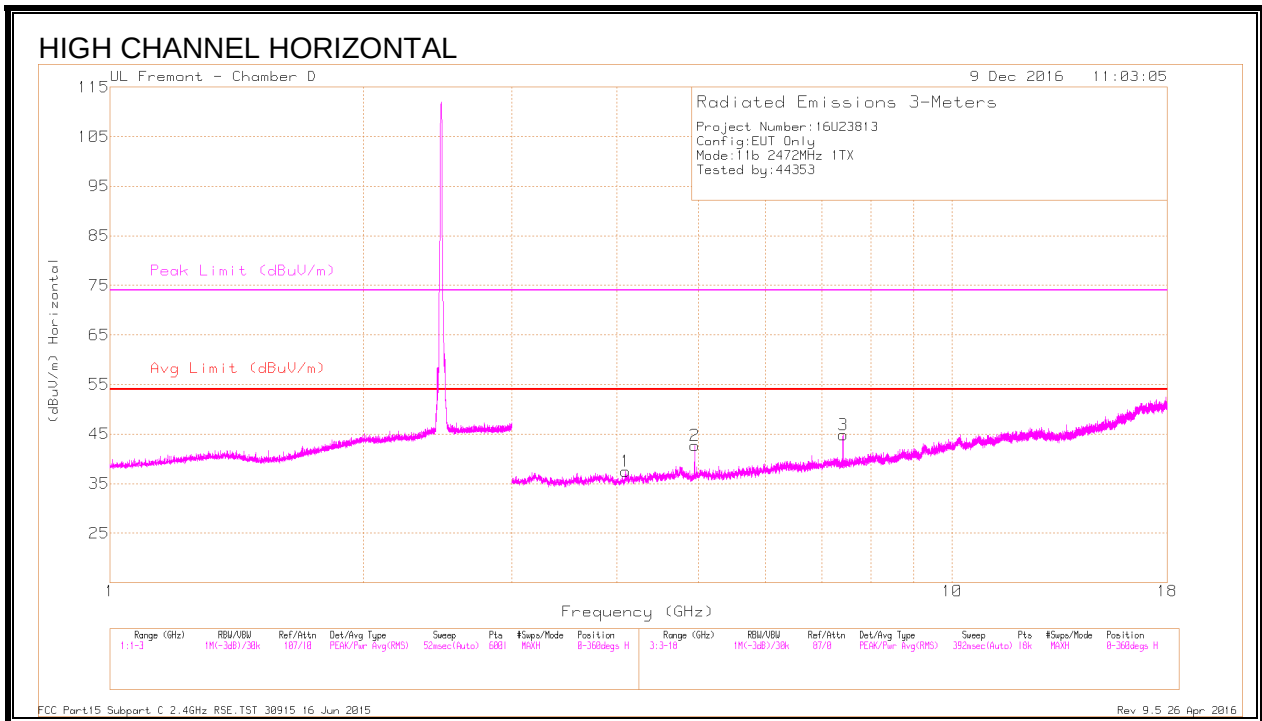
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.099	38.47	PK2	33.6	-28.1	43.97	-	-	74	-30.03	247	255	H
	* 4.096	27.72	MAv1	33.6	-28.1	33.22	54	-20.78	-	-	247	255	H
2	* 4.944	42.38	PK2	34.1	-28.1	48.38	-	-	74	-25.62	33	167	H
	* 4.944	35.2	MAv1	34.1	-28.1	41.2	54	-12.8	-	-	33	167	H
3	* 7.417	40.39	PK2	35.6	-25	50.99	-	-	74	-23.01	41	206	H
	* 7.417	32	MAv1	35.6	-25	42.6	54	-11.4	-	-	41	206	H
4	* 4.003	38.11	PK2	33.3	-28.6	42.81	-	-	74	-31.19	192	217	V
	* 4.004	28.14	MAv1	33.3	-28.6	32.84	54	-21.16	-	-	192	217	V
5	* 5.092	38.01	PK2	34	-26.7	45.31	-	-	74	-28.69	316	102	V
	* 5.092	27.09	MAv1	34	-26.7	34.39	54	-19.61	-	-	316	102	V
6	* 7.415	39.58	PK2	35.6	-24.9	50.28	-	-	74	-23.72	55	120	V
	* 7.415	32.24	MAv1	35.6	-25	42.84	54	-11.16	-	-	55	120	V

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

PK2 - KDB558074 Method: Maximum Peak

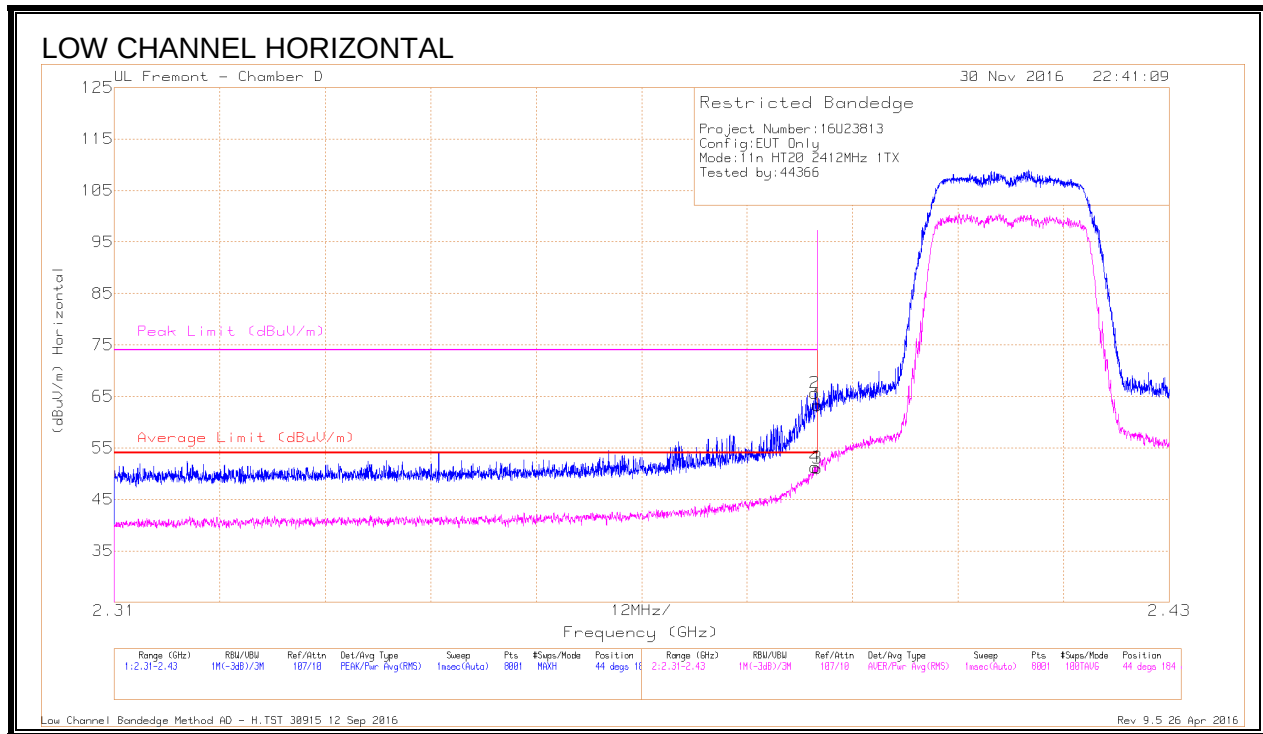
MAv1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

9.2.3. 11n HT20 Antenna A SISO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)

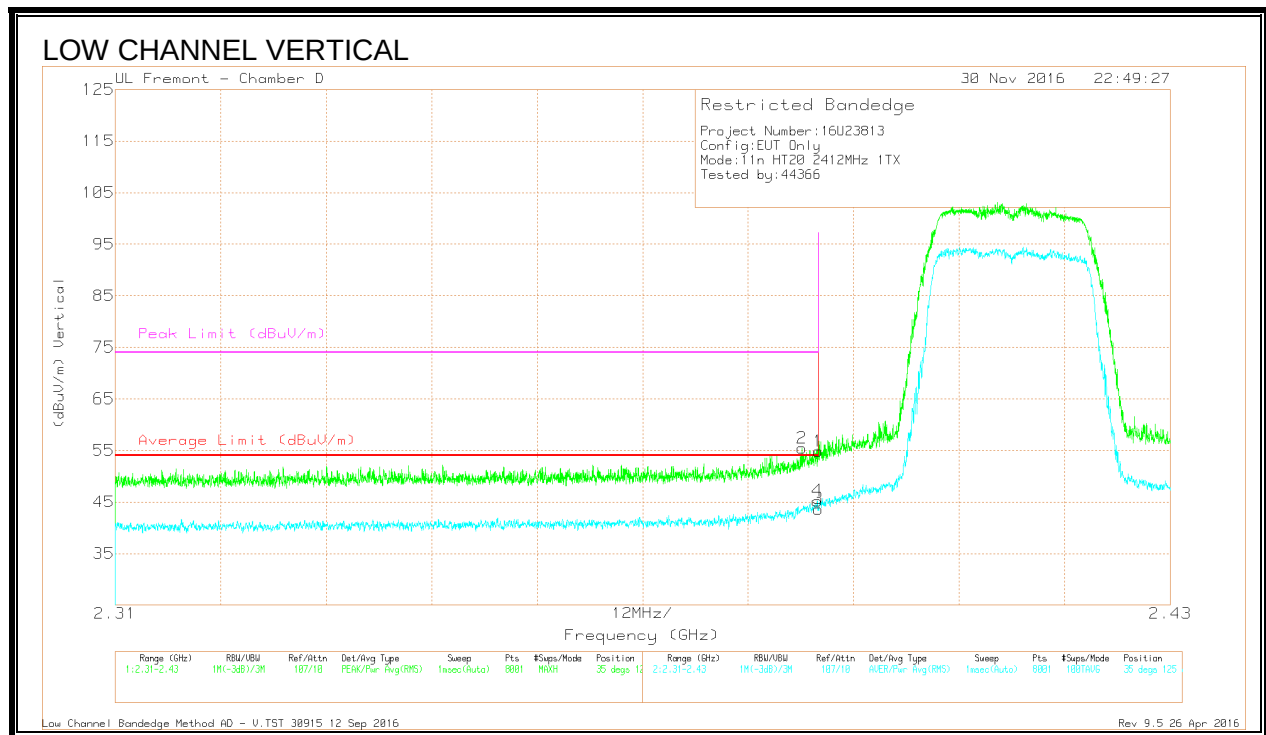


Marker	Frequency (GHz)	Measurement Reading (dBuV)	Detector	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.92	Pk	32.1	-20.7	63.32	-	-	74	-10.68	44	184	H
2	* 2.39	54.37	Pk	32.1	-20.8	65.67	-	-	74	-8.33	44	184	H
3	* 2.39	39.68	RMS	32.1	-20.7	51.08	54	-2.92	-	-	44	184	H
4	* 2.39	39.95	RMS	32.1	-20.8	51.25	54	-2.75	-	-	44	184	H

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

Pk - Peak detector

RMS - RMS detection



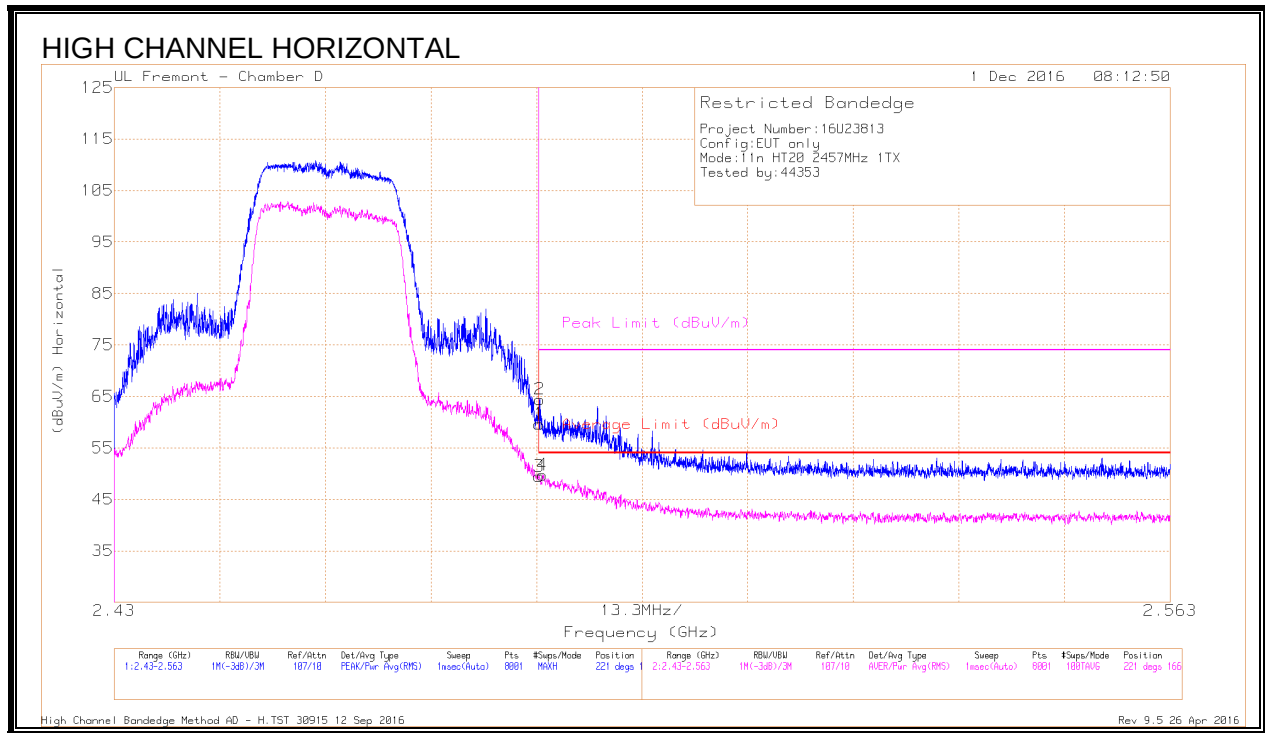
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.45	Pk	32.1	-20.7	54.85	-	-	74	-19.15	35	125	V
2	* 2.388	44.15	Pk	32.1	-20.8	55.45	-	-	74	-18.55	35	125	V
3	* 2.39	32.26	RMS	32.1	-20.7	43.66	54	-10.34	-	-	35	125	V
4	* 2.39	33.81	RMS	32.1	-20.7	45.21	54	-8.79	-	-	35	125	V

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

Pk - Peak detector

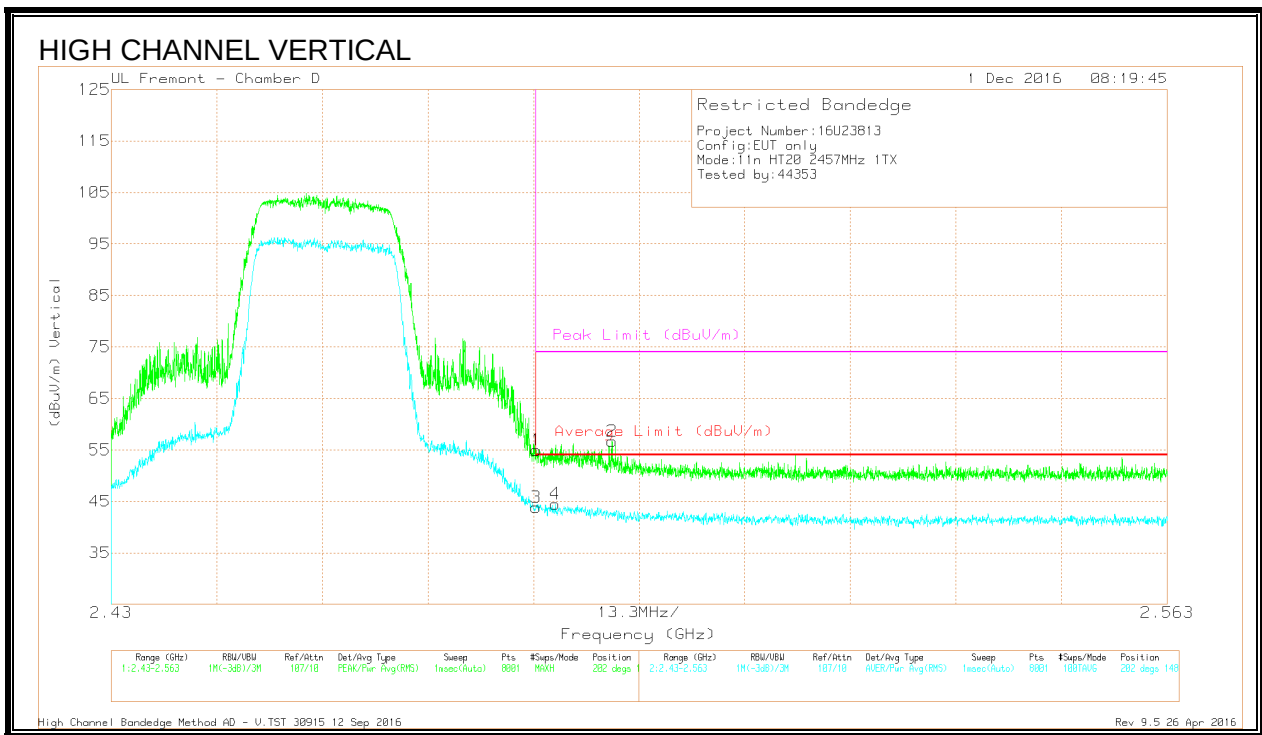
RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 10)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.16	Pk	32.3	-20.8	59.66	-	-	74	-14.34	221	166	H
2	* 2.484	52.93	Pk	32.3	-20.8	64.43	-	-	74	-9.57	221	166	H
3	* 2.484	38.01	RMS	32.3	-20.8	49.51	54	-4.49	-	-	221	166	H
4	* 2.484	38.25	RMS	32.3	-20.8	49.75	54	-4.25	-	-	221	166	H

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



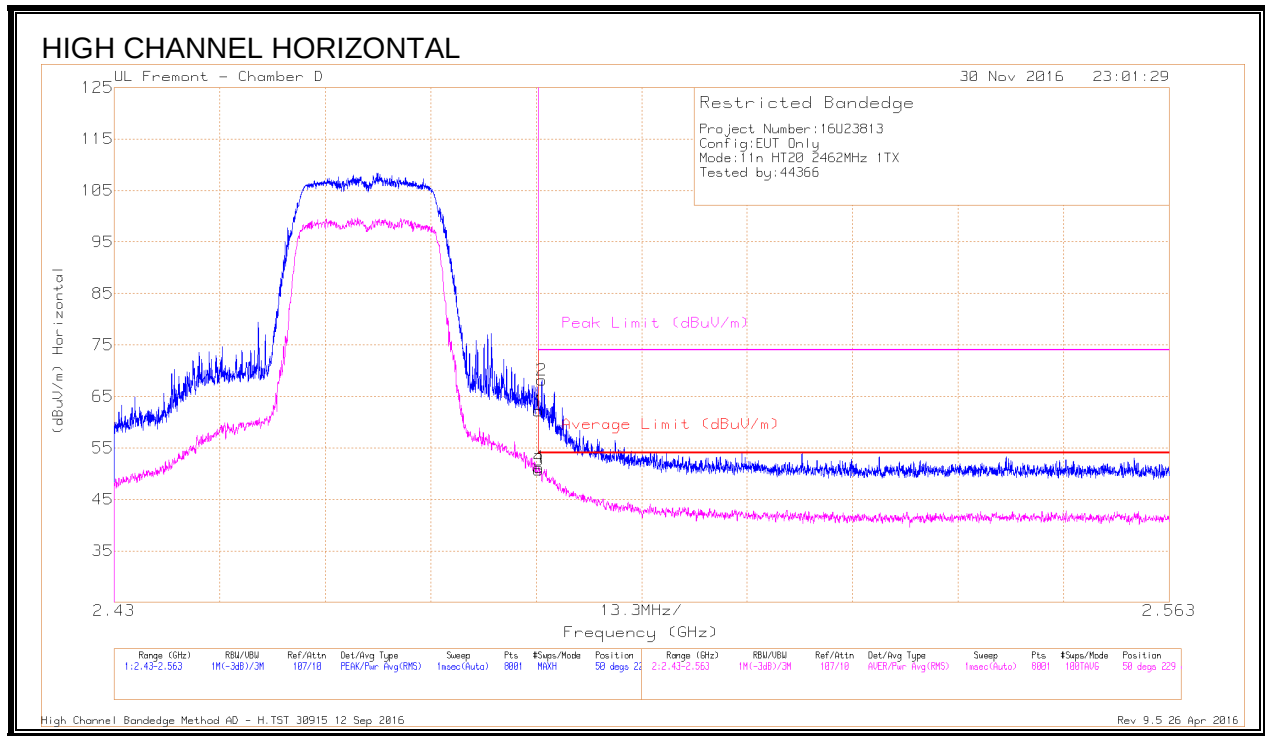
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.43	Pk	32.3	-20.8	54.93	-	-	74	-19.07	202	148	V
2	* 2.493	45.17	Pk	32.3	-20.8	56.67	-	-	74	-17.33	202	148	V
3	* 2.484	32.34	RMS	32.3	-20.8	43.84	54	-10.16	-	-	202	148	V
4	* 2.486	33	RMS	32.3	-20.8	44.5	54	-9.5	-	-	202	148	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)

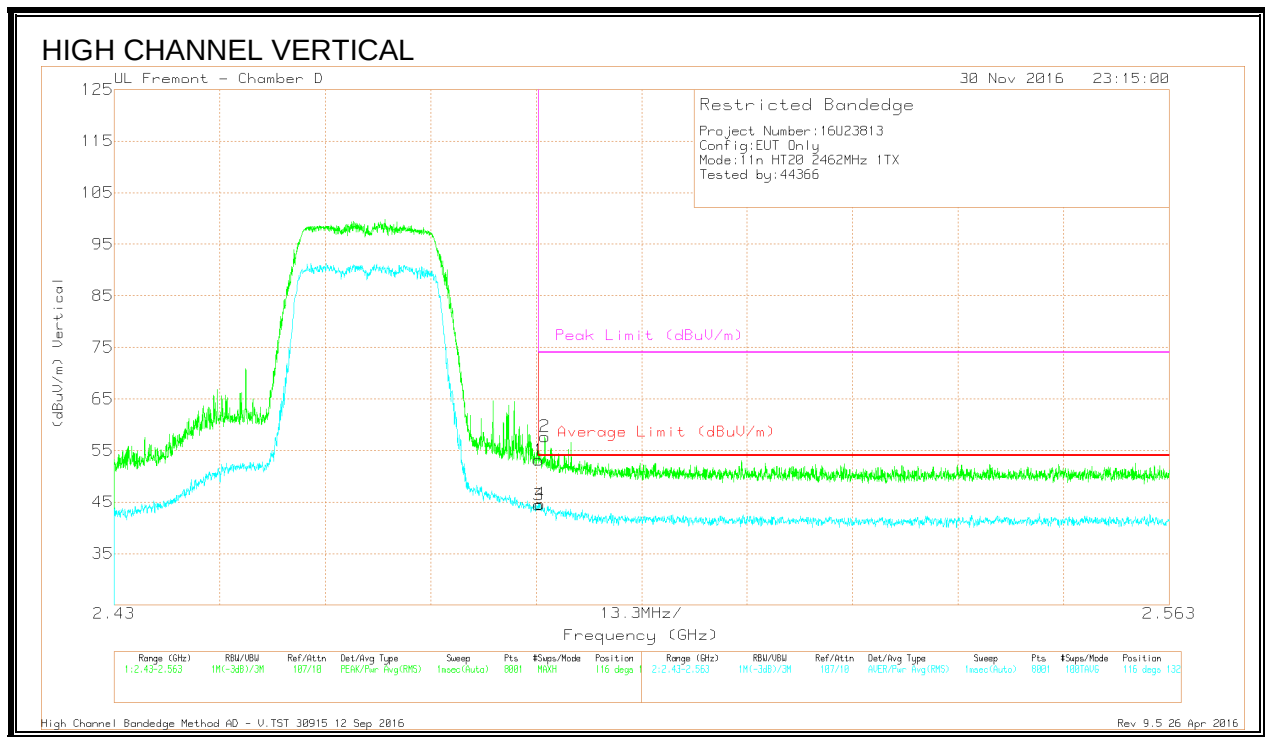


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.69	Pk	32.3	-20.8	62.19	-	-	74	-11.81	50	229	H
2	* 2.484	56.64	Pk	32.3	-20.8	68.14	-	-	74	-5.86	50	229	H
3	* 2.484	39.18	RMS	32.3	-20.8	50.68	54	-3.32	-	-	50	229	H
4	* 2.484	39.72	RMS	32.3	-20.8	51.22	54	-2.78	-	-	50	229	H

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

Pk - Peak detector

RMS - RMS detection



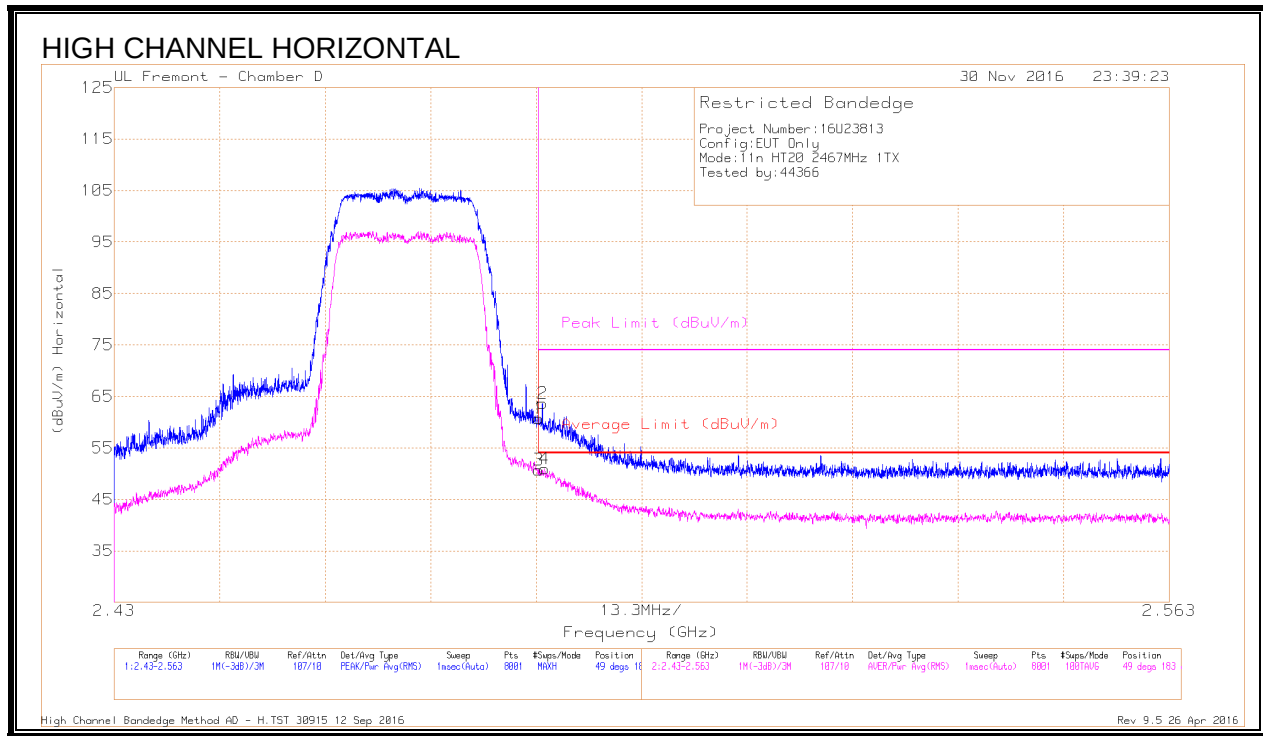
Mark er	Frequ ncy (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F lter/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/ m)	Marg in (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimu th (Degs)	Heig ht (cm)	Polar ity
1	* 2.484	41.64	Pk	32.3	-20.8	53.14	-	-	74	-20.86	116	132	V
2	* 2.484	46.2	Pk	32.3	-20.8	57.7	-	-	74	-16.3	116	132	V
3	* 2.484	32.97	RMS	32.3	-20.8	44.47	54	-9.53	-	-	116	132	V
4	* 2.484	33.13	RMS	32.3	-20.8	44.63	54	-9.37	-	-	116	132	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)

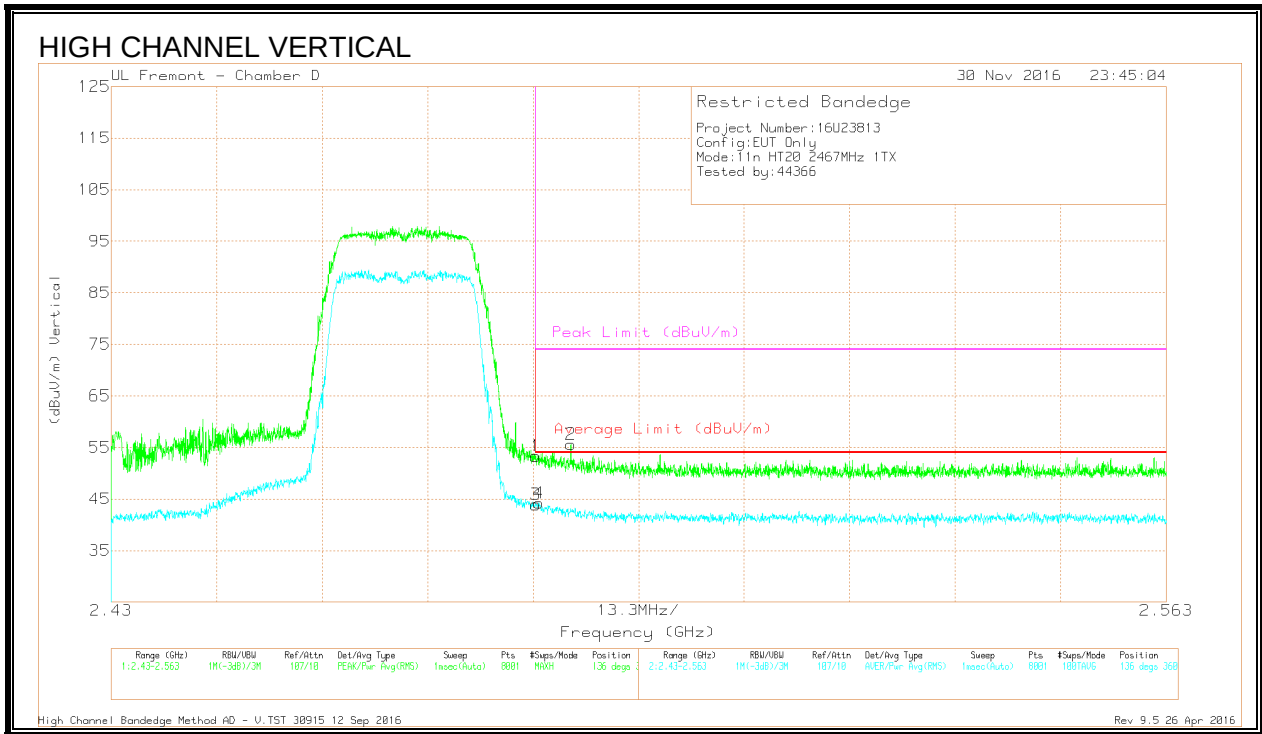


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.25	Pk	32.3	-20.8	60.75	-	-	74	-13.25	49	183	H
2	* 2.484	52.16	Pk	32.3	-20.8	63.66	-	-	74	-10.34	49	183	H
3	* 2.484	39.21	RMS	32.3	-20.8	50.71	54	-3.29	-	-	49	183	H
4	* 2.484	39.43	RMS	32.3	-20.8	50.93	54	-3.07	-	-	49	183	H

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

Pk - Peak detector

RMS - RMS detection



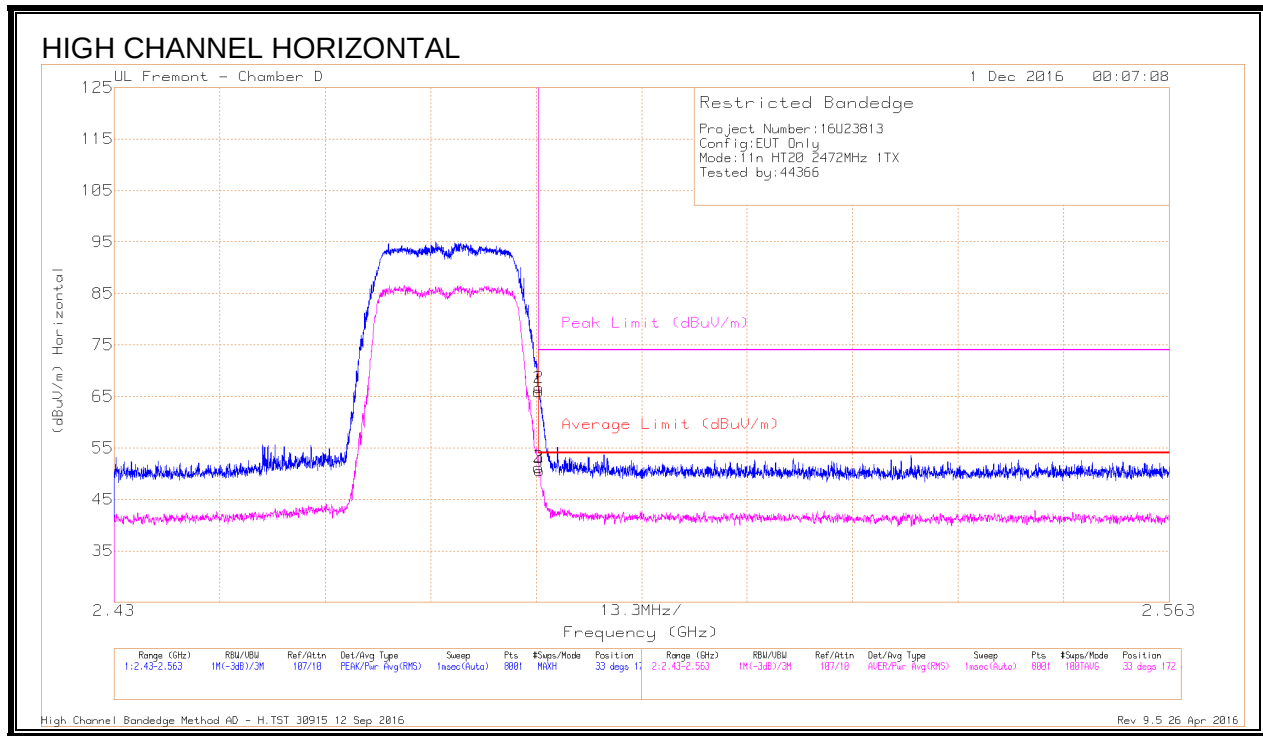
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.84	Pk	32.3	-20.8	53.34	-	-	74	-20.66	136	360	V
2	* 2.488	44.1	Pk	32.3	-20.8	55.6	-	-	74	-18.4	136	360	V
3	* 2.484	32.42	RMS	32.3	-20.8	43.92	54	-10.08	-	-	136	360	V
4	* 2.484	32.69	RMS	32.3	-20.8	44.19	54	-9.81	-	-	136	360	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)

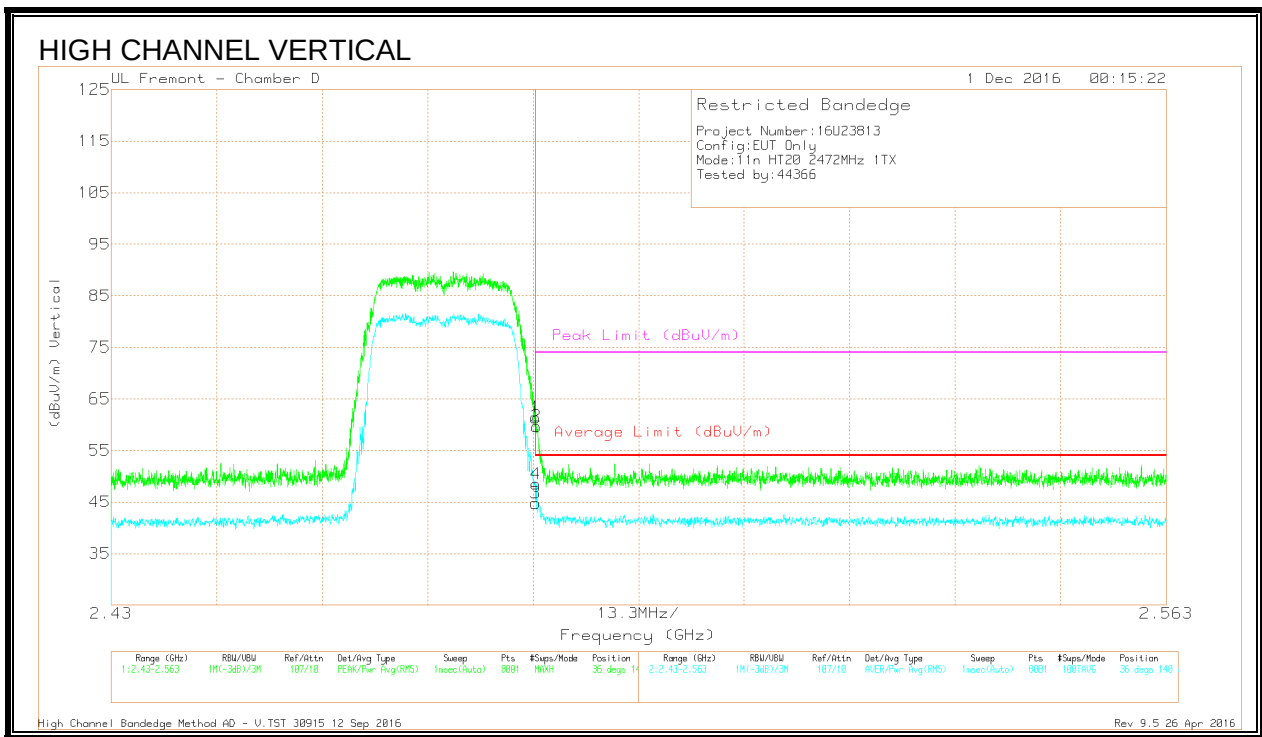


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.51	Pk	32.3	-20.8	66.01	-	-	74	-7.99	33	172	H
2	* 2.484	55.21	Pk	32.3	-20.8	66.71	-	-	74	-7.29	33	172	H
3	* 2.484	39.72	RMS	32.3	-20.8	51.22	54	-2.78	-	-	33	172	H
4	* 2.484	39.11	RMS	32.3	-20.8	50.61	54	-3.39	-	-	33	172	H

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

Pk - Peak detector

RMS - RMS detection



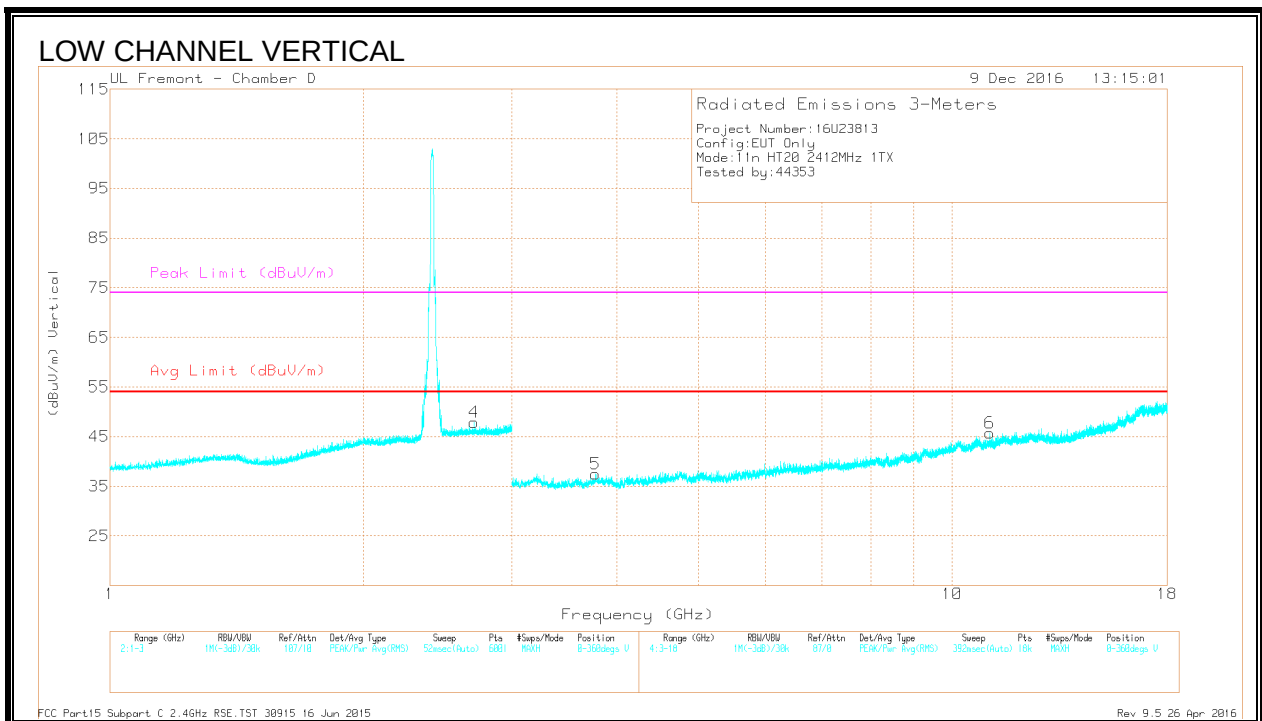
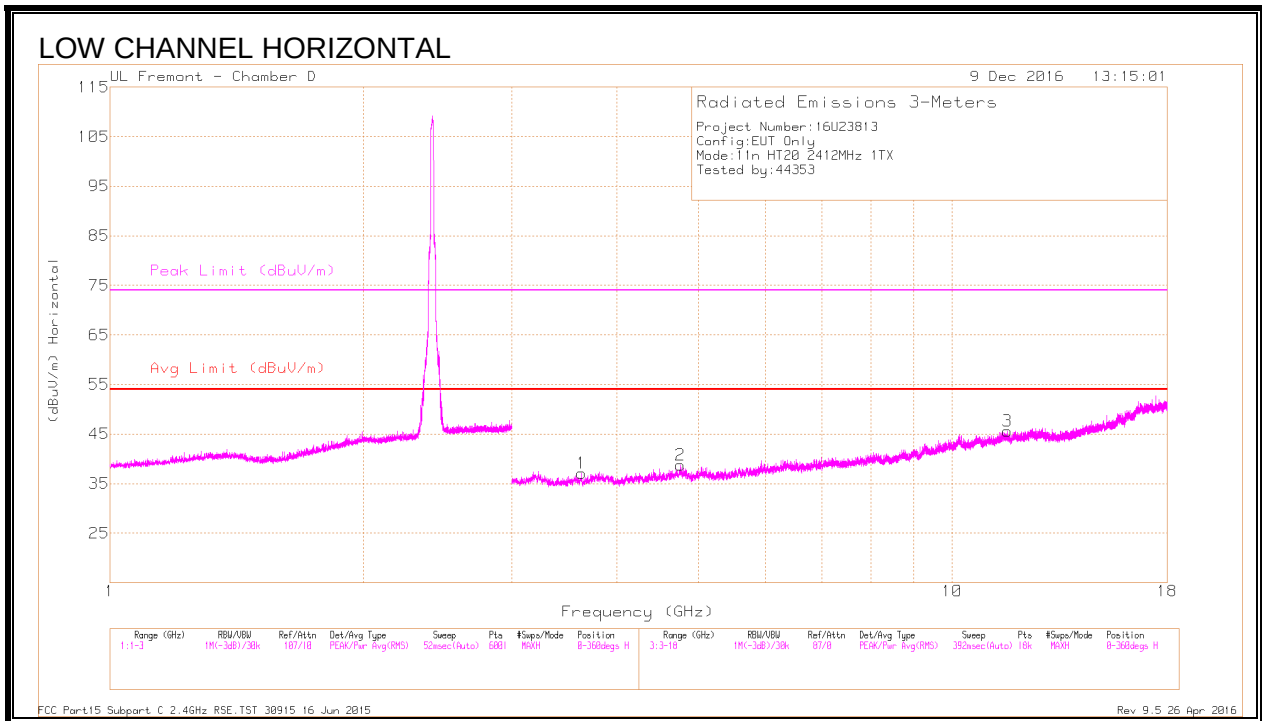
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.89	Pk	32.3	-20.8	61.39	-	-	74	-12.61	36	140	V
2	* 2.484	48.18	Pk	32.3	-20.8	59.68	-	-	74	-14.32	36	140	V
3	* 2.484	33.29	RMS	32.3	-20.8	44.79	54	-9.21	-	-	36	140	V
4	* 2.484	36.98	RMS	32.3	-20.8	48.48	54	-5.52	-	-	36	140	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)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.704	41.34	PK2	32.4	-20.5	53.24	-	-	74	-20.76	264	201	V
	* 2.707	30.76	MAv1	32.4	-20.5	42.66	54	-11.34	-	-	264	201	V
1	* 3.629	38.37	PK2	33.4	-28.5	43.27	-	-	74	-30.73	136	177	H
	* 3.629	28.06	MAv1	33.4	-28.6	32.86	54	-21.14	-	-	136	177	H
2	* 4.756	36.56	PK2	34	-26.6	43.96	-	-	74	-30.04	68	280	H
	* 4.755	26.75	MAv1	34	-26.6	34.15	54	-19.85	-	-	68	280	H
3	* 11.62	33.42	PK2	38.5	-20.6	51.32	-	-	74	-22.68	111	367	H
	* 11.617	23.92	MAv1	38.5	-20.6	41.82	54	-12.18	-	-	111	367	H
5	* 3.772	38.81	PK2	33.5	-28.1	44.21	-	-	74	-29.79	29	102	V
	* 3.772	28.07	MAv1	33.5	-28.1	33.47	54	-20.53	-	-	29	102	V
6	* 11.082	33.57	PK2	38	-20.8	50.77	-	-	74	-23.23	159	243	V
	* 11.081	24.02	MAv1	38	-20.8	41.22	54	-12.78	-	-	159	243	V

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

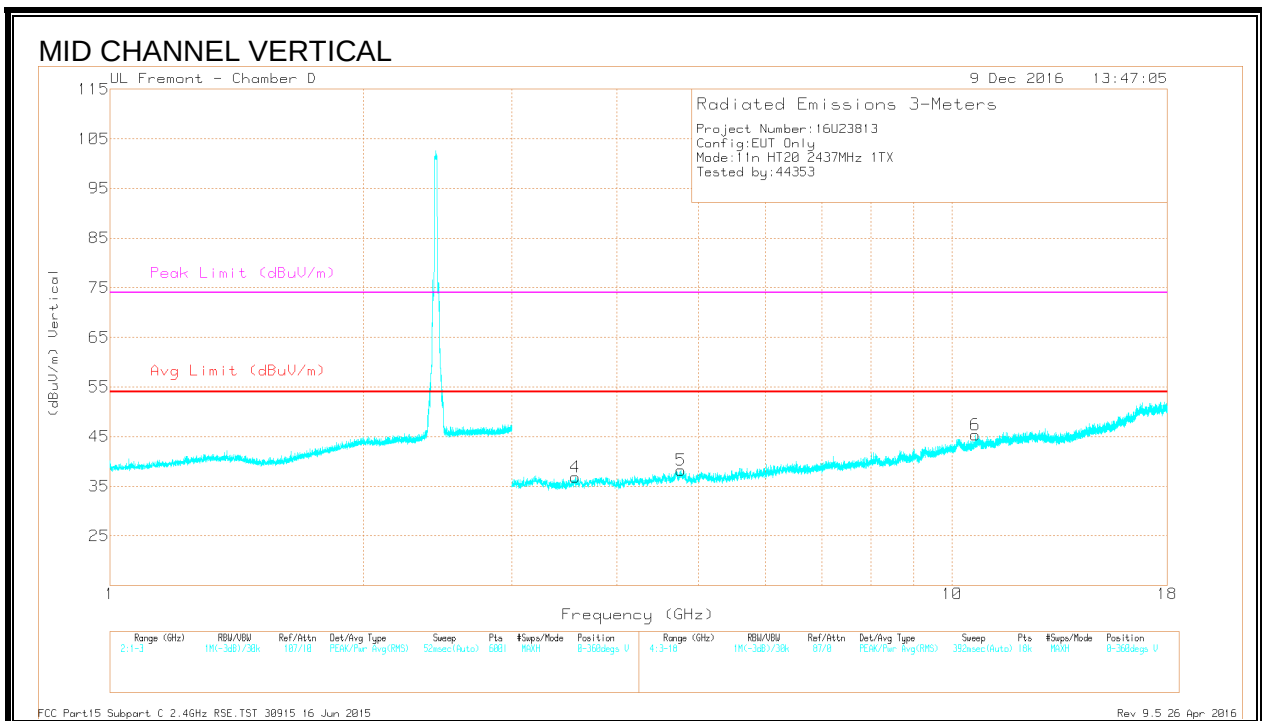
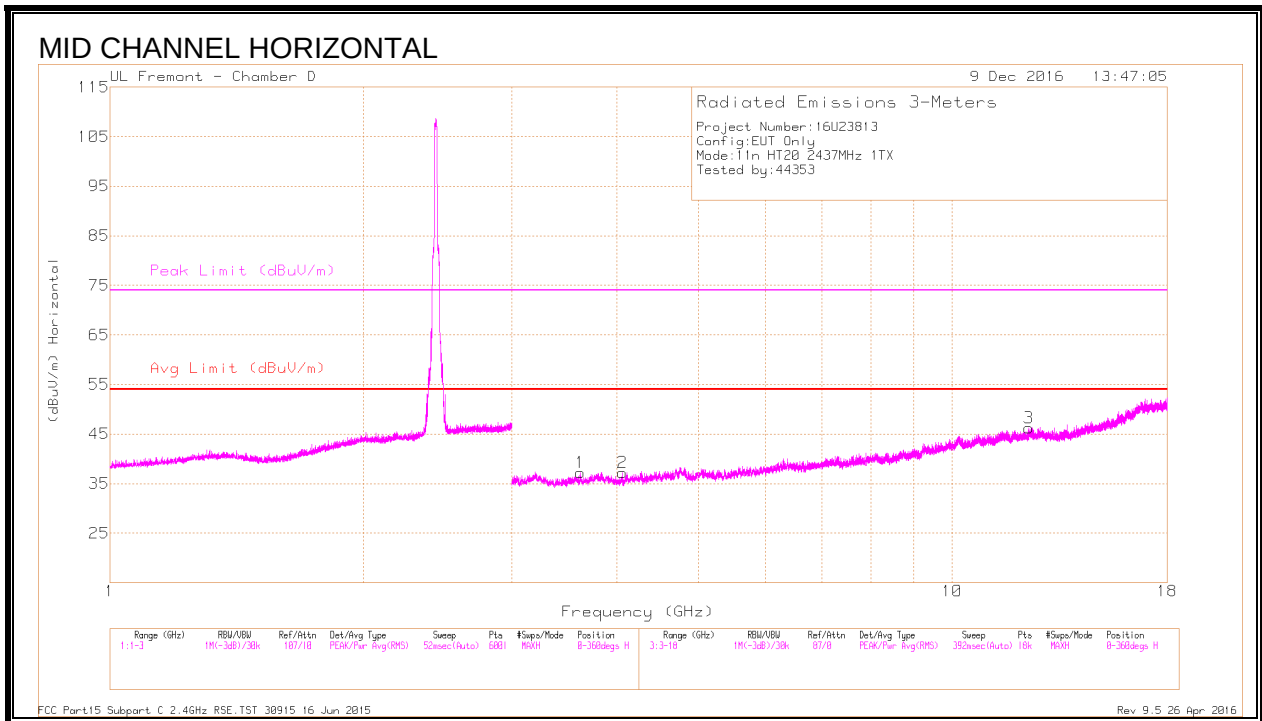
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

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HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.616	38.49	PK2	33.3	-28.4	43.39	-	-	74	-30.61	140	274	H
	* 3.616	28.16	MAv1	33.3	-28.4	33.06	54	-20.94	-	-	140	274	H
2	* 4.057	37.56	PK2	33.5	-28.4	42.66	-	-	74	-31.34	323	186	H
	* 4.056	27.89	MAv1	33.5	-28.4	32.99	54	-21.01	-	-	323	186	H
3	* 12.326	34.95	PK2	39	-21.4	52.55	-	-	74	-21.45	241	122	H
	* 12.327	24.33	MAv1	39	-21.4	41.93	54	-12.07	-	-	241	122	H
4	* 3.567	38.91	PK2	33.2	-28.1	44.01	-	-	74	-29.99	314	155	V
	* 3.565	28.25	MAv1	33.2	-28.1	33.35	54	-20.65	-	-	314	155	V
5	* 4.763	36.74	PK2	34	-26.6	44.14	-	-	74	-29.86	98	108	V
	* 4.764	27	MAv1	34	-26.6	34.4	54	-19.6	-	-	98	108	V
6	* 10.656	34.65	PK2	37.8	-21.3	51.15	-	-	74	-22.85	147	306	V
	* 10.658	24.36	MAv1	37.8	-21.3	40.86	54	-13.14	-	-	147	306	V

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

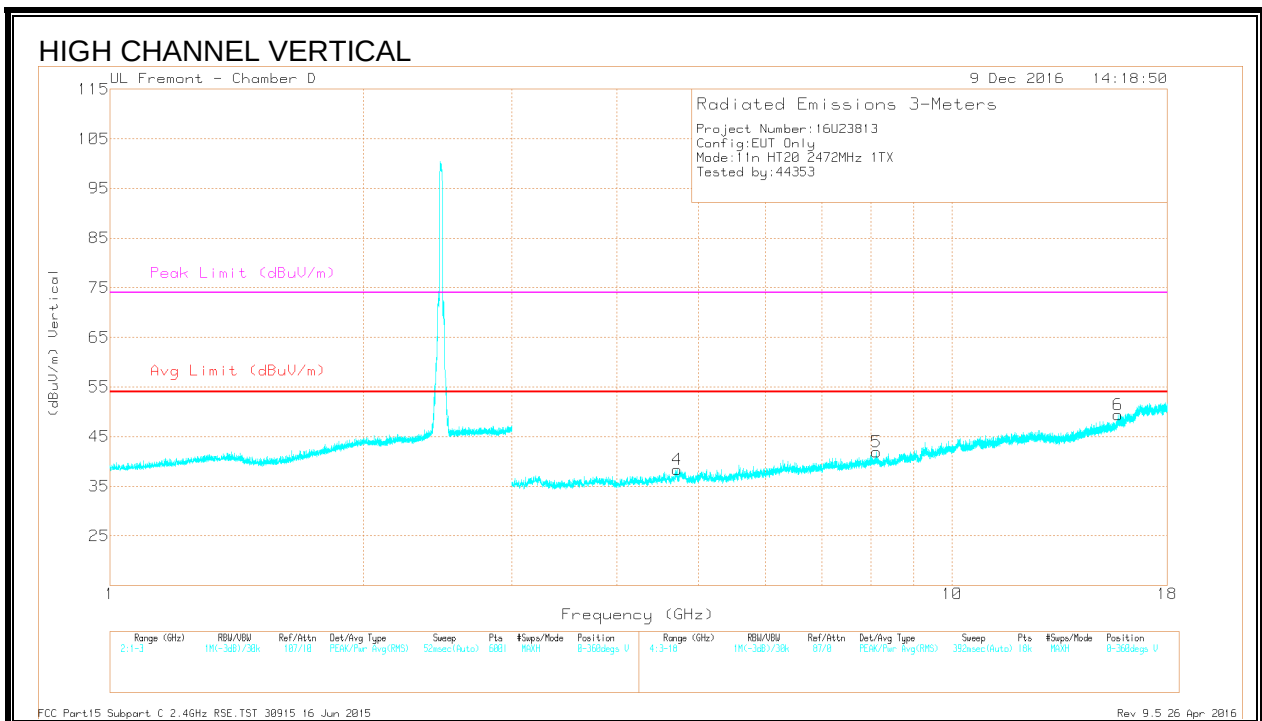
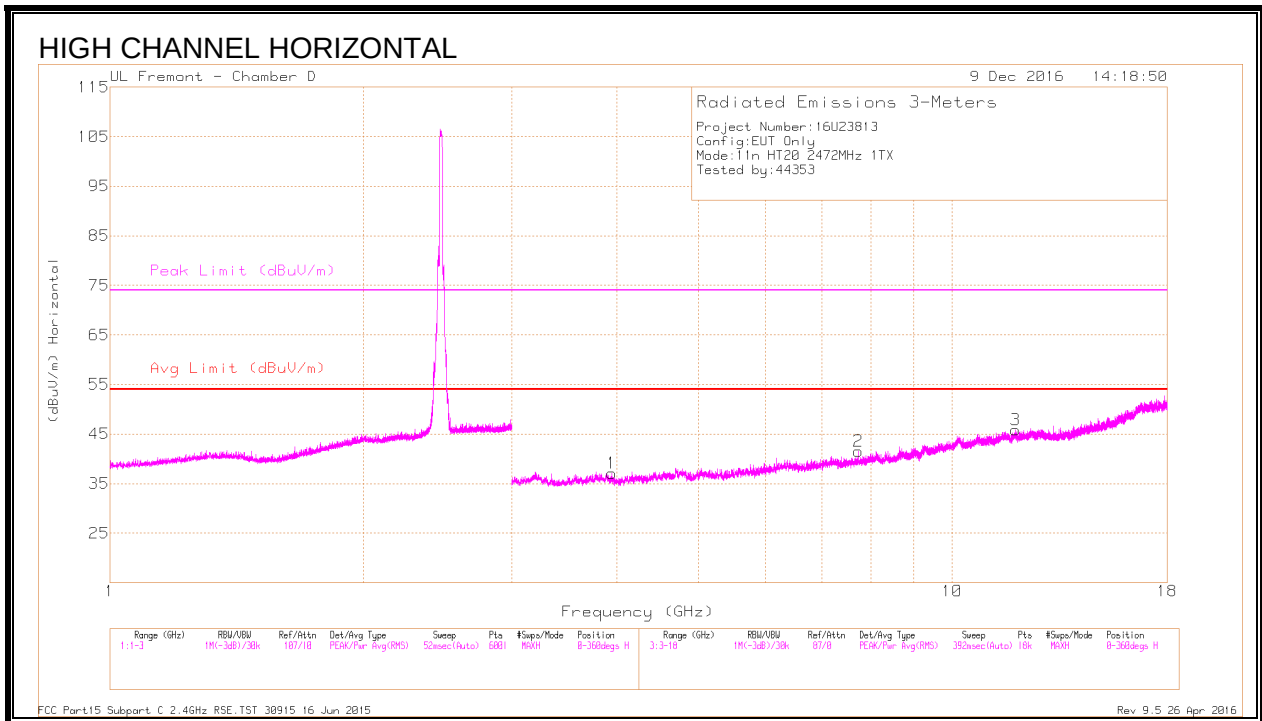
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.947	38.07	PK2	33.4	-28.3	43.17	-	-	74	-30.83	85	194	H
	* 3.945	27.88	MAv1	33.4	-28.3	32.98	54	-21.02	-	-	85	194	H
2	* 7.739	36.18	PK2	35.8	-24.5	47.48	-	-	74	-26.52	303	177	H
	* 7.739	25.61	MAv1	35.8	-24.5	36.91	54	-17.09	-	-	303	177	H
3	* 11.892	34.48	PK2	38.8	-20.6	52.68	-	-	74	-21.32	118	232	H
	* 11.892	23.87	MAv1	38.8	-20.6	42.07	54	-11.93	-	-	118	232	H
4	* 4.71	38.25	PK2	34	-27.4	44.85	-	-	74	-29.15	287	102	V
	* 4.71	27.97	MAv1	34	-27.4	34.57	54	-19.43	-	-	287	102	V
5	* 8.126	35.05	PK2	35.8	-22.9	47.95	-	-	74	-26.05	170	163	V
	* 8.124	24.92	MAv1	35.8	-22.9	37.82	54	-16.18	-	-	170	163	V
6	* 15.744	34.41	PK2	40.3	-18.9	55.81	-	-	74	-18.19	292	354	V
	* 15.743	24.29	MAv1	40.3	-19	45.59	54	-8.41	-	-	292	354	V

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

PK2 - KDB558074 Method: Maximum Peak

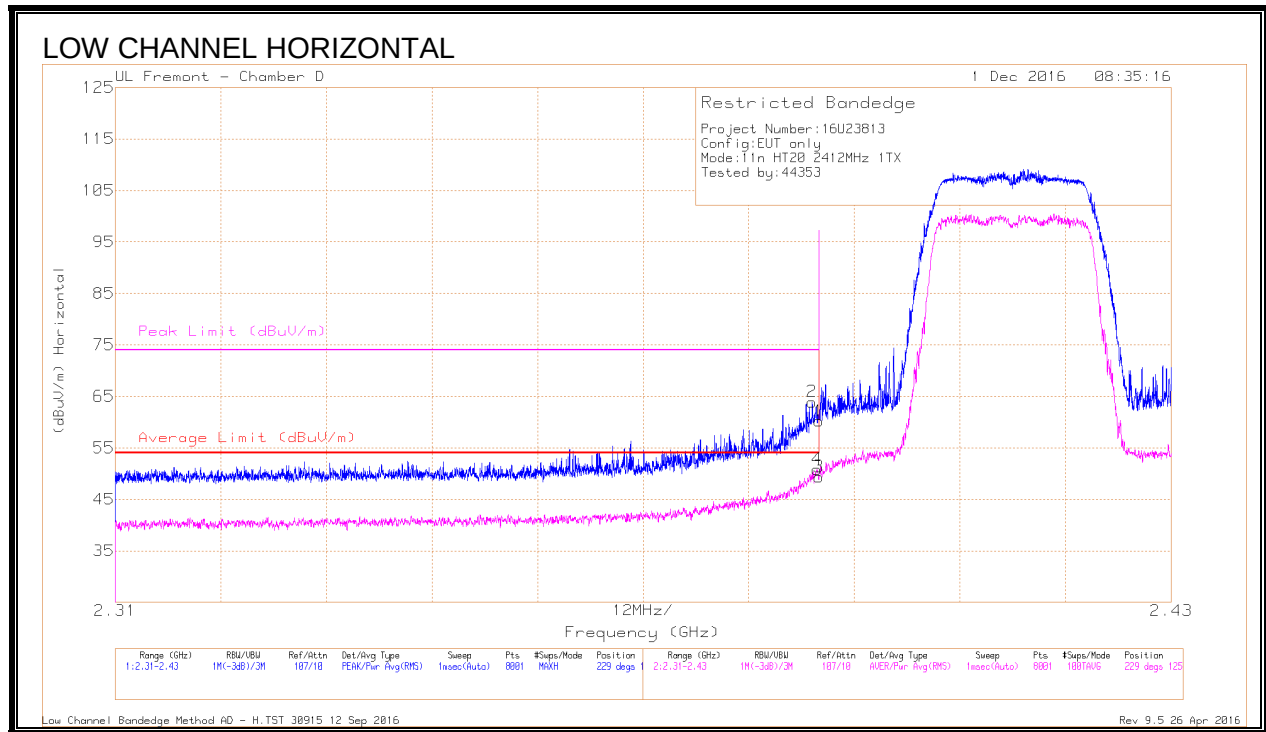
MAv1 - KDB558074 Option 1 Maximum RMS Average

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9.2.4. 11n HT20 Antenna B SISO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)

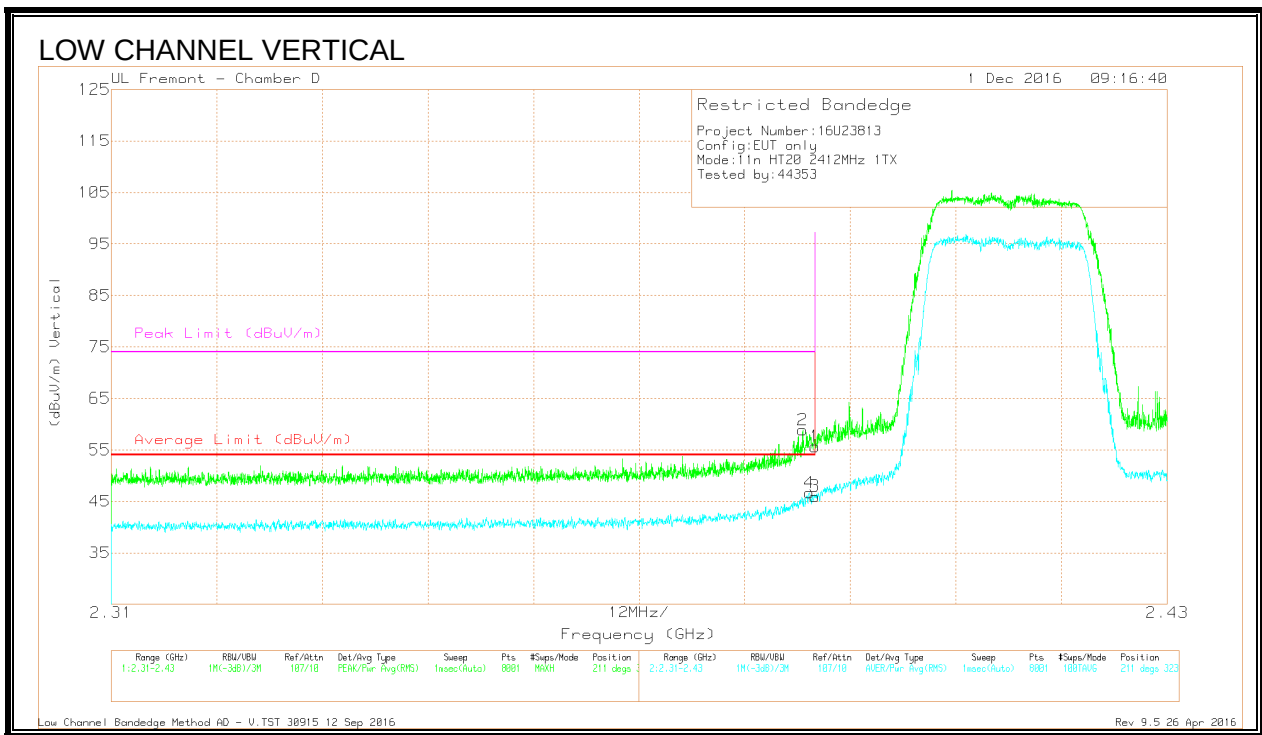


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.83	Pk	32.1	-20.7	60.23	-	-	74	-13.77	229	125	H
2	* 2.389	52.64	Pk	32.1	-20.8	63.94	-	-	74	-10.06	229	125	H
3	* 2.39	37.98	RMS	32.1	-20.7	49.38	54	-4.62	-	-	229	125	H
4	* 2.39	39.55	RMS	32.1	-20.8	50.85	54	-3.15	-	-	229	125	H

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

Pk - Peak detector

RMS - RMS detection



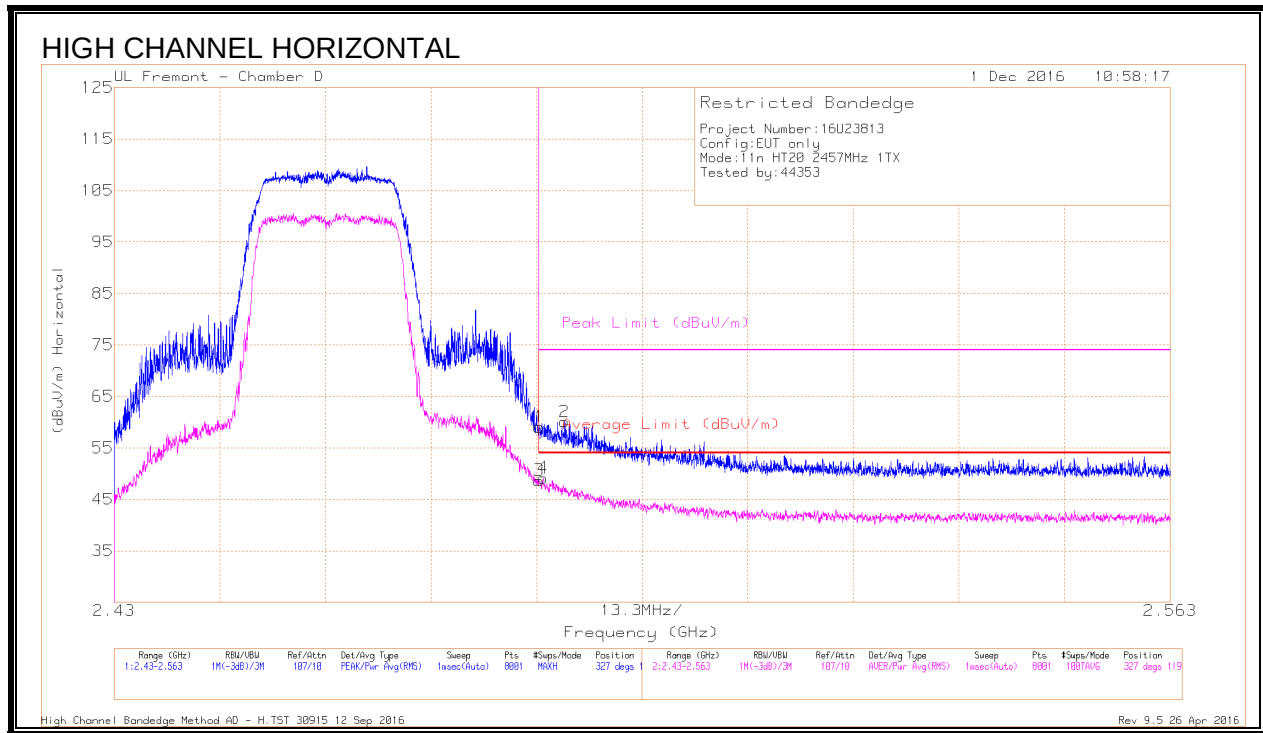
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.25	Pk	32.1	-20.7	55.65	-	-	74	-18.35	211	323	V
2	* 2.389	47.55	Pk	32.1	-20.8	58.85	-	-	74	-15.15	211	323	V
3	* 2.39	34.58	RMS	32.1	-20.7	45.98	54	-8.02	-	-	211	323	V
4	* 2.389	35.35	RMS	32.1	-20.8	46.65	54	-7.35	-	-	211	323	V

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

Pk - Peak detector

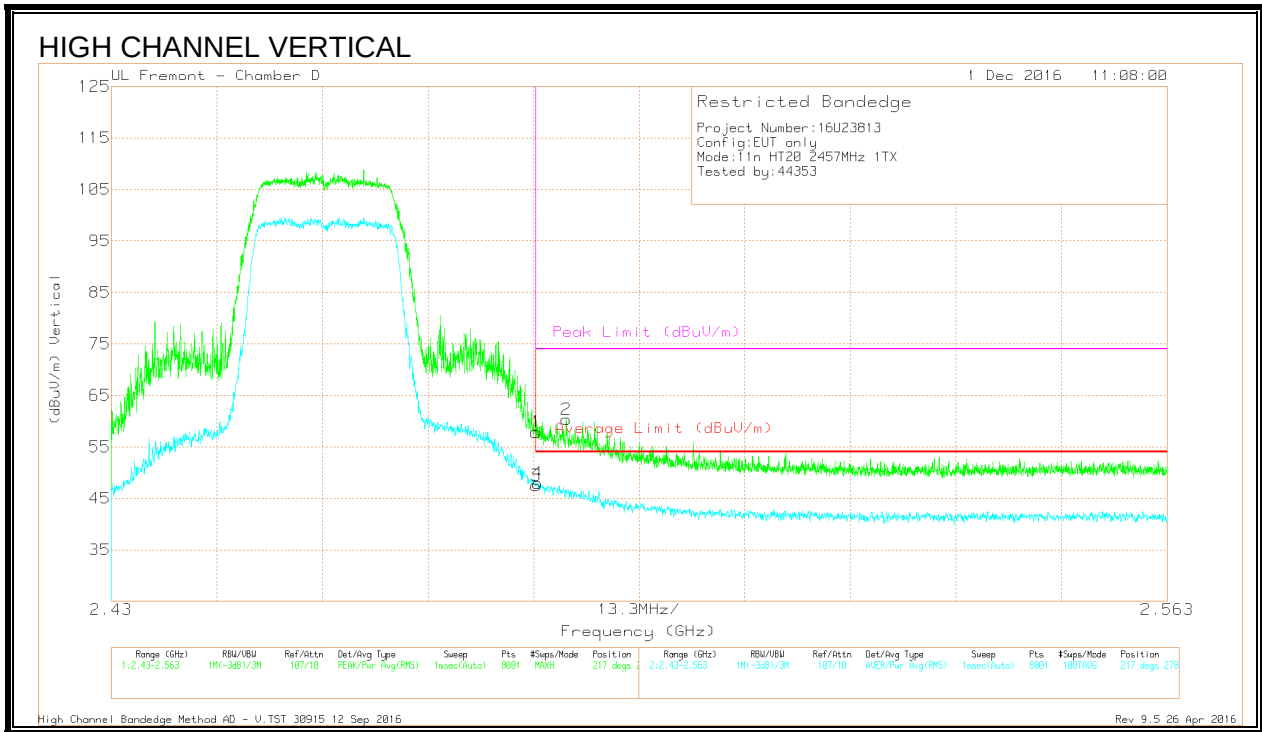
RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 10)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.57	Pk	32.3	-20.8	59.07	-	-	74	-14.93	327	119	H
2	* 2.487	48.57	Pk	32.3	-20.8	60.07	-	-	74	-13.93	327	119	H
3	* 2.484	37.14	RMS	32.3	-20.8	48.64	54	-5.36	-	-	327	119	H
4	* 2.484	37.63	RMS	32.3	-20.8	49.13	54	-4.87	-	-	327	119	H

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



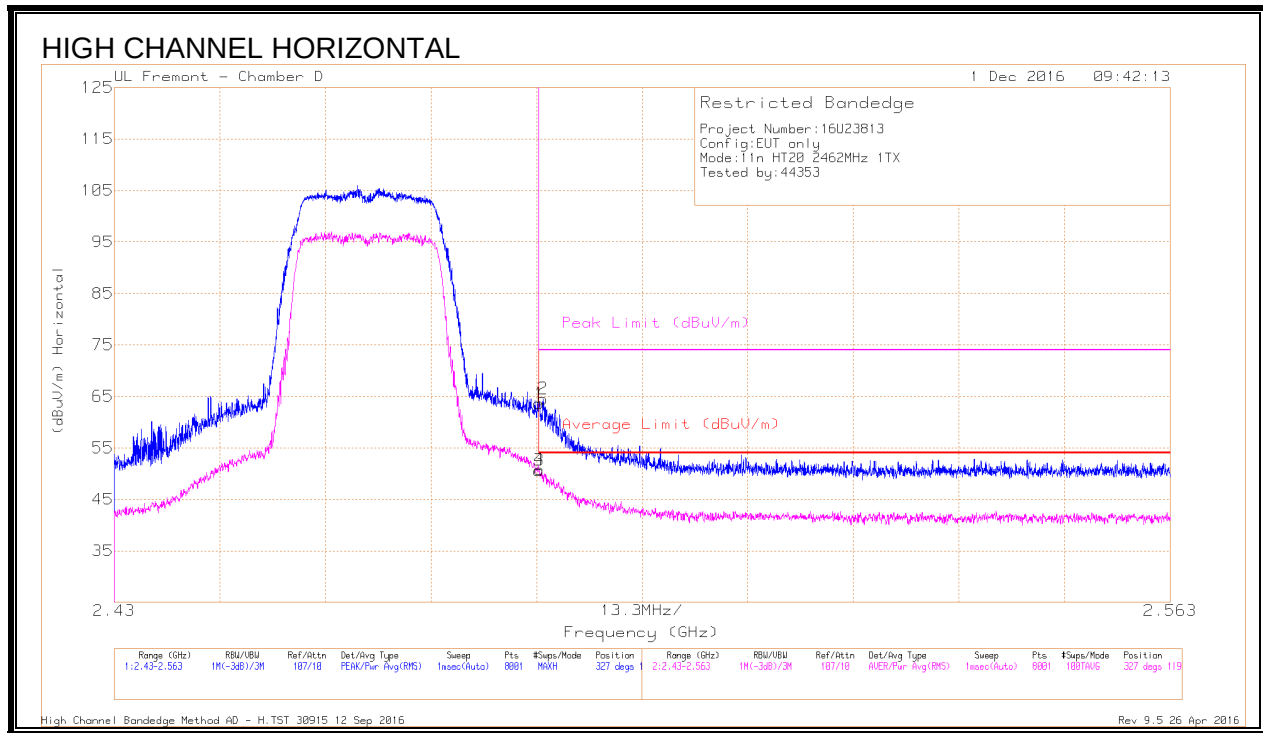
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.35	Pk	32.3	-20.8	57.85	-	-	74	-16.15	217	278	V
2	* 2.487	48.85	Pk	32.3	-20.8	60.35	-	-	74	-13.65	217	278	V
3	* 2.484	36.01	RMS	32.3	-20.8	47.51	54	-6.49	-	-	217	278	V
4	* 2.484	36.45	RMS	32.3	-20.8	47.95	54	-6.05	-	-	217	278	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)

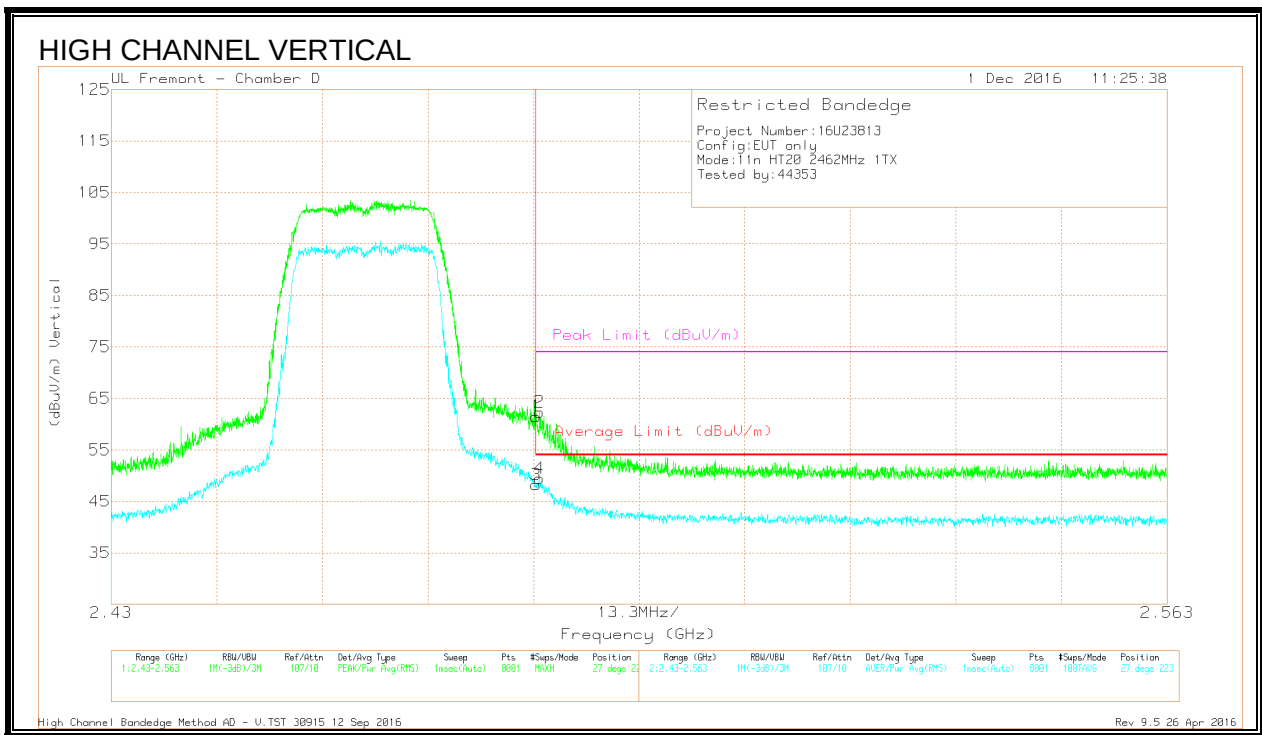


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.13	Pk	32.3	-20.8	63.63	-	-	74	-10.37	327	119	H
2	* 2.484	53.05	Pk	32.3	-20.8	64.55	-	-	74	-9.45	327	119	H
3	* 2.484	39.13	RMS	32.3	-20.8	50.63	54	-3.37	-	-	327	119	H
4	* 2.484	39.32	RMS	32.3	-20.8	50.82	54	-3.18	-	-	327	119	H

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

Pk - Peak detector

RMS - RMS detection



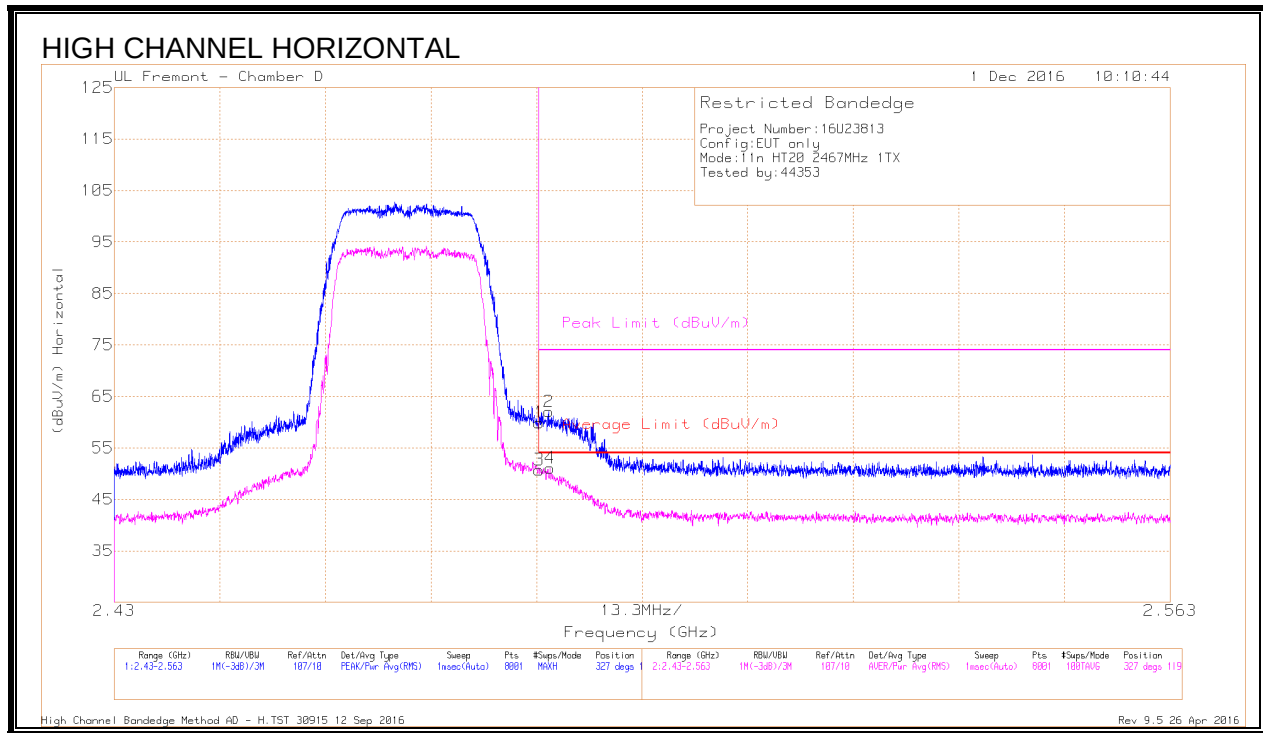
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.97	Pk	32.3	-20.8	61.47	-	-	74	-12.53	27	223	V
2	* 2.484	50.82	Pk	32.3	-20.8	62.32	-	-	74	-11.68	27	223	V
3	* 2.484	36.75	RMS	32.3	-20.8	48.25	54	-5.75	-	-	27	223	V
4	* 2.484	37.96	RMS	32.3	-20.8	49.46	54	-4.54	-	-	27	223	V

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

Pk - Peak detector

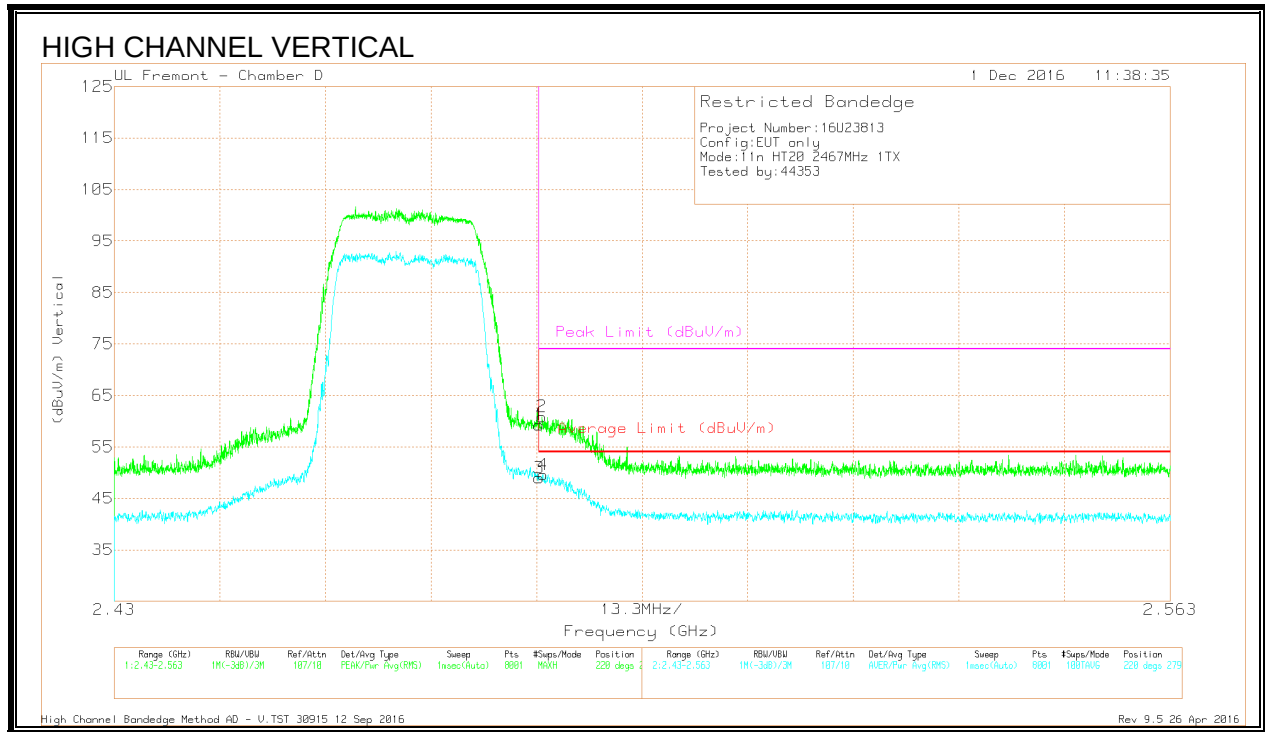
RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.42	Pk	32.3	-20.8	59.92	-	-	74	-14.08	327	119	H
2	* 2.485	50.53	Pk	32.3	-20.8	62.03	-	-	74	-11.97	327	119	H
3	* 2.484	39.23	RMS	32.3	-20.8	50.73	54	-3.27	-	-	327	119	H
4	* 2.485	39.59	RMS	32.3	-20.8	51.09	54	-2.91	-	-	327	119	H

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



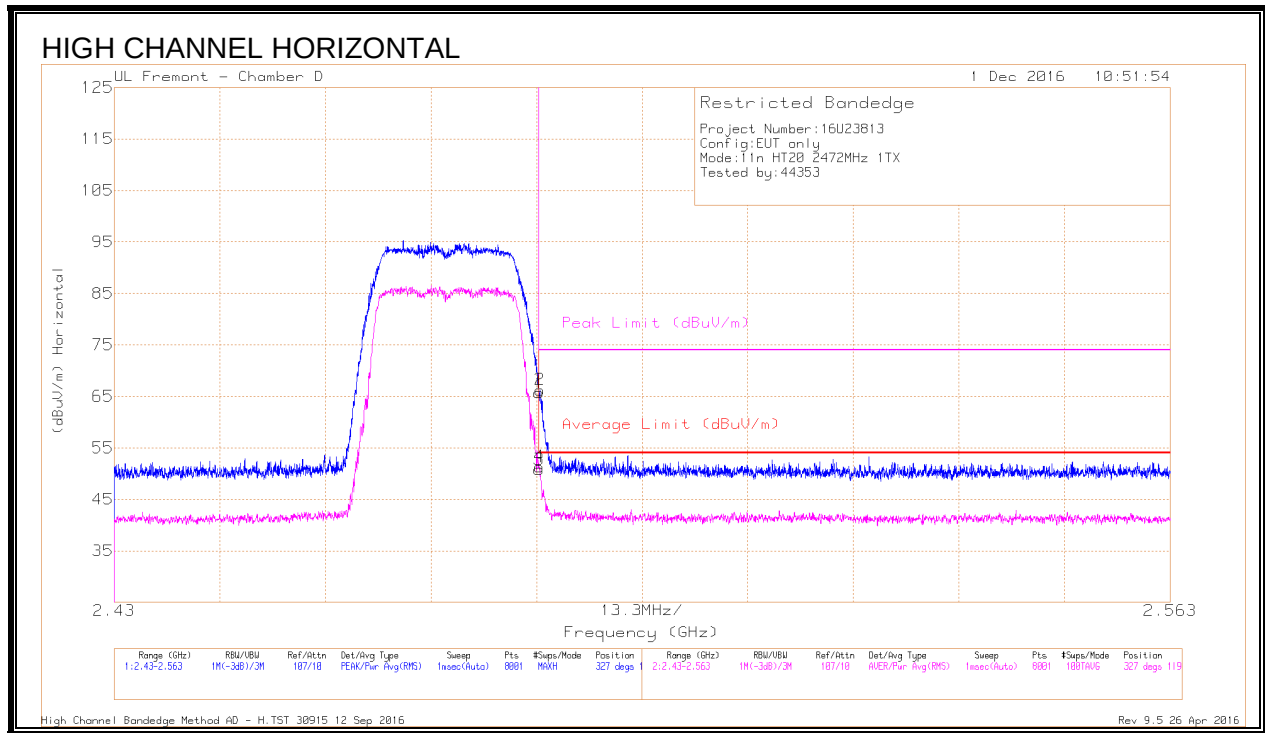
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.72	Pk	32.3	-20.8	59.22	-	-	74	-14.78	220	279	V
2	* 2.484	49.38	Pk	32.3	-20.8	60.88	-	-	74	-13.12	220	279	V
3	* 2.484	37.47	RMS	32.3	-20.8	48.97	54	-5.03	-	-	220	279	V
4	* 2.484	38.09	RMS	32.3	-20.8	49.59	54	-4.41	-	-	220	279	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)

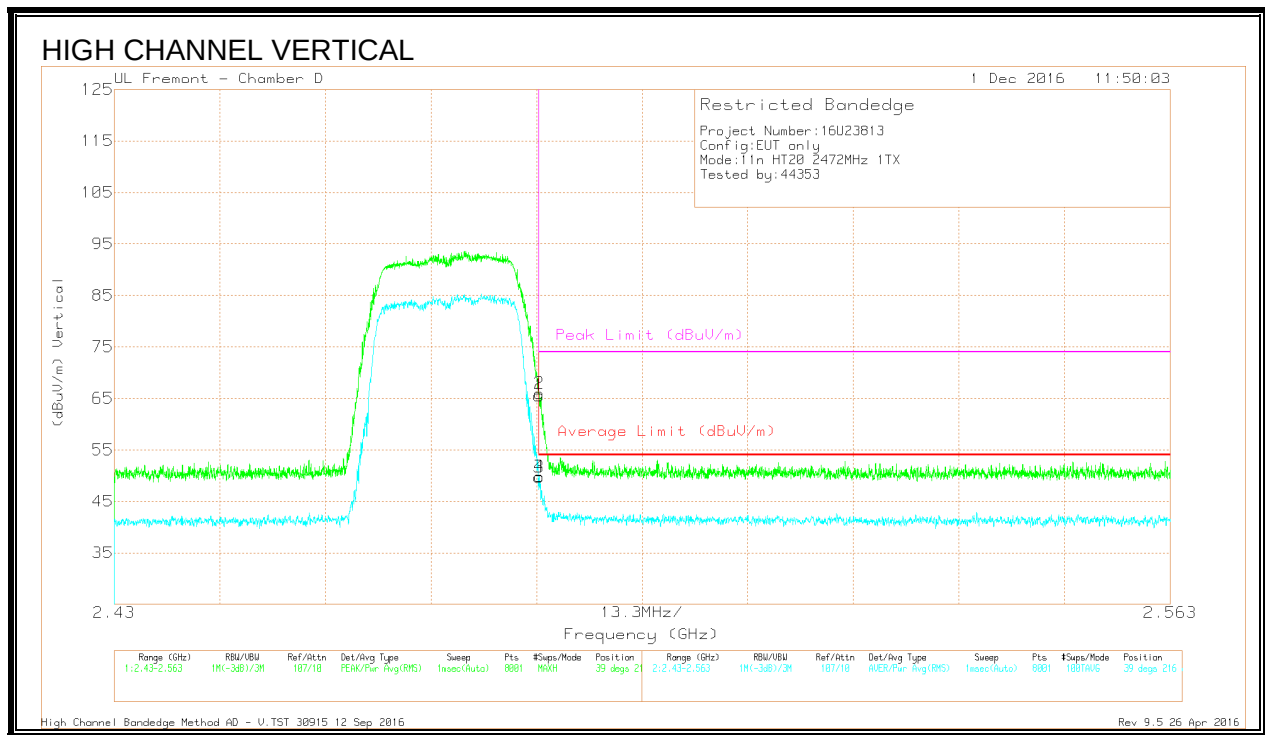


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.24	Pk	32.3	-20.8	65.74	-	-	74	-8.26	327	119	H
2	* 2.484	54.77	Pk	32.3	-20.8	66.27	-	-	74	-7.73	327	119	H
3	* 2.484	39.29	RMS	32.3	-20.8	50.79	54	-3.21	-	-	327	119	H
4	* 2.484	39.85	RMS	32.3	-20.8	51.35	54	-2.65	-	-	327	119	H

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

Pk - Peak detector

RMS - RMS detection



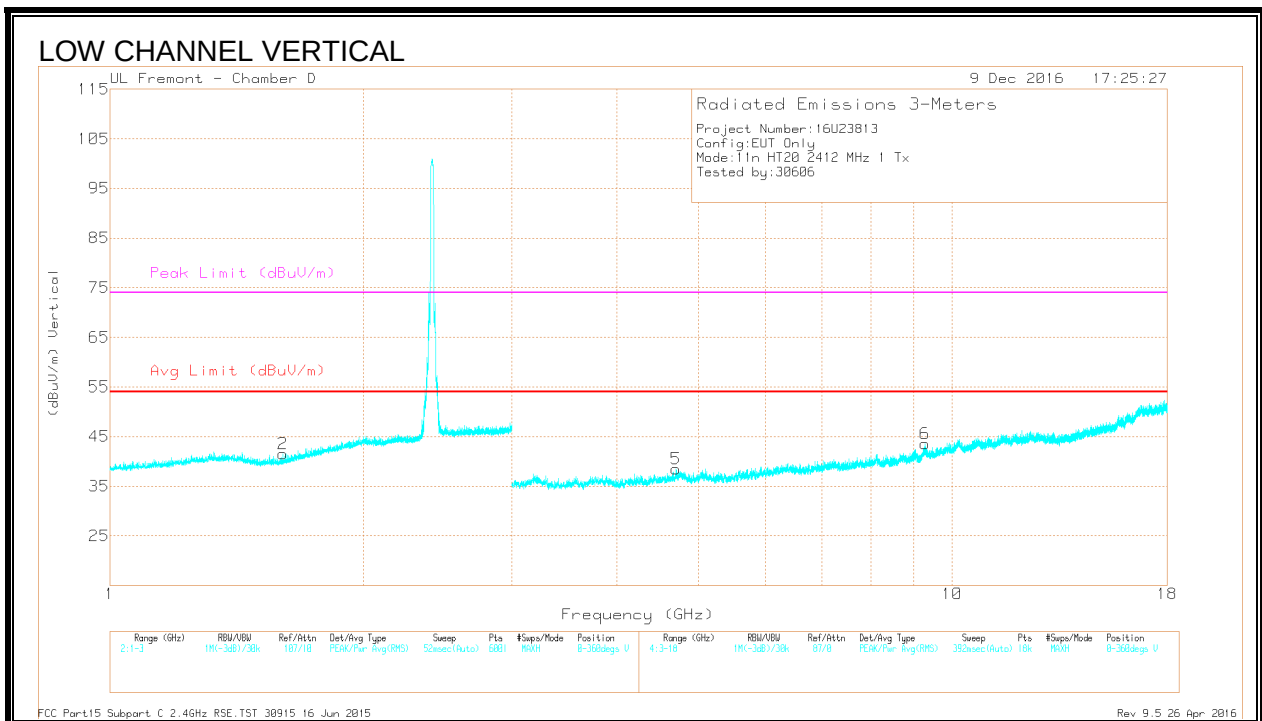
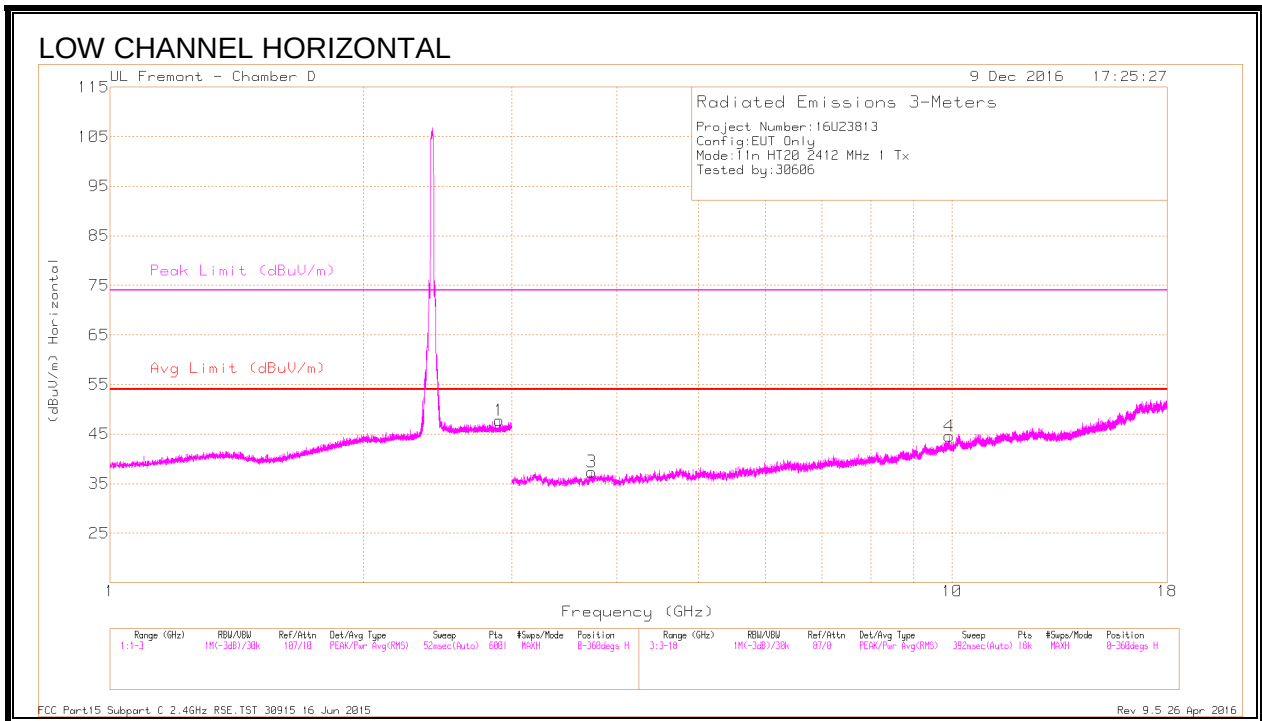
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.05	Pk	32.3	-20.8	65.55	-	-	74	-8.45	39	216	V
2	* 2.484	54.48	Pk	32.3	-20.8	65.98	-	-	74	-8.02	39	216	V
3	* 2.484	38.23	RMS	32.3	-20.8	49.73	54	-4.27	-	-	39	216	V
4	* 2.484	38.32	RMS	32.3	-20.8	49.82	54	-4.18	-	-	39	216	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)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.896	41.09	PK2	32.3	-20.2	53.19	-	-	74	-20.81	297	339	H
	* 2.899	29.95	MAv1	32.3	-20.2	42.05	54	-11.95	-	-	297	339	H
2	* 1.603	41.36	PK2	28.1	-21.8	47.66	-	-	74	-26.34	223	175	V
	* 1.602	30.04	MAv1	28.1	-21.8	36.34	54	-17.66	-	-	223	175	V
3	* 3.731	38.17	PK2	33.5	-28.6	43.07	-	-	74	-30.93	284	346	H
	* 3.728	27.55	MAv1	33.5	-28.7	32.35	54	-21.65	-	-	284	346	H
5	* 4.703	38.23	PK2	34	-27.3	44.93	-	-	74	-29.07	329	351	V
	* 4.703	27.51	MAv1	34	-27.2	34.31	54	-19.69	-	-	329	351	V
6	9.285	33.54	PK2	36.3	-20.5	49.34	-	-	-	-	35	134	V
4	9.918	33.97	PK2	37.1	-20.7	50.37	-	-	-	-	213	300	H

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

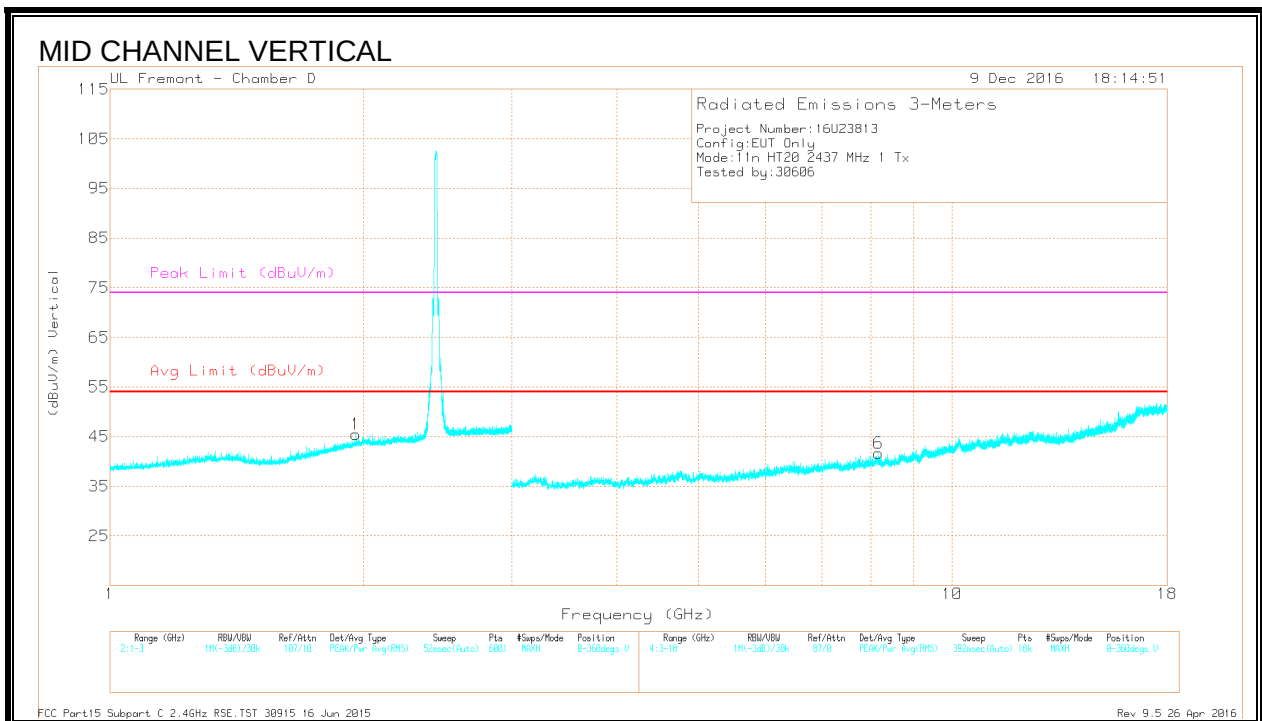
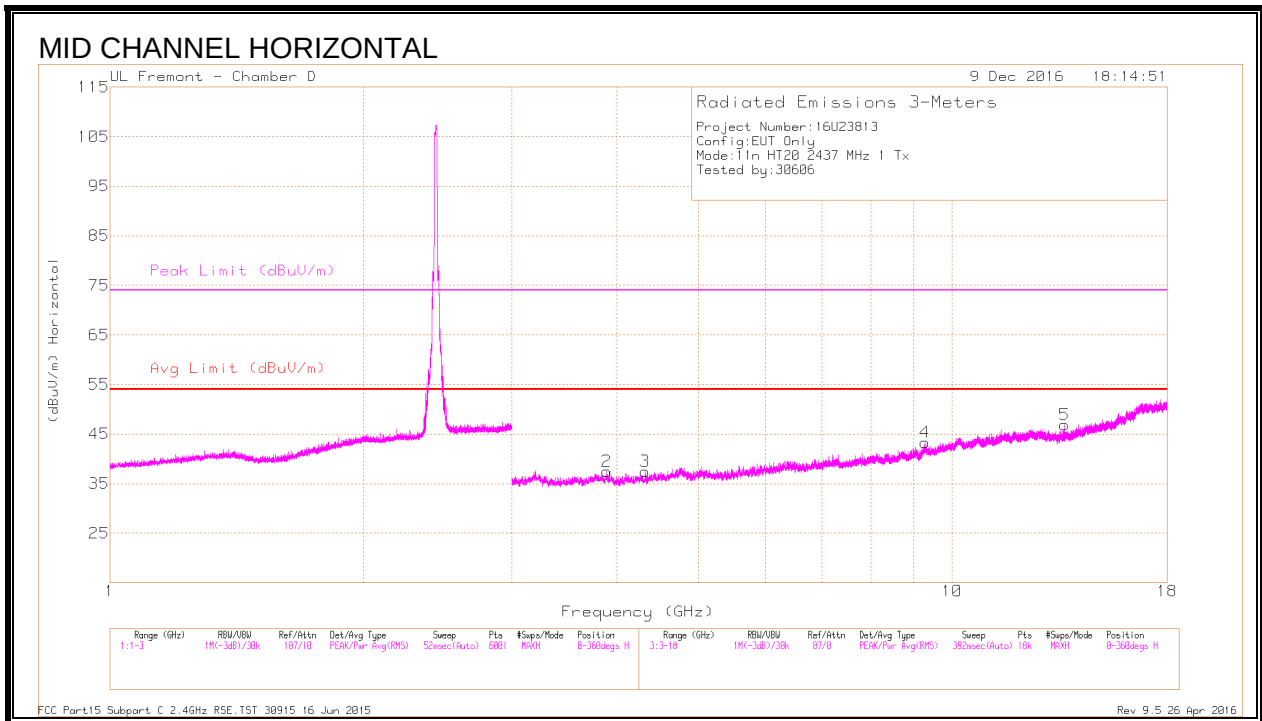
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.892	37.69	PK2	33.5	-28.2	42.99	-	-	74	-31.01	161	138	H
	* 3.893	27.48	MAv1	33.5	-28.2	32.78	54	-21.22	-	-	161	138	H
3	* 4.319	38.38	PK2	33.6	-28.4	43.58	-	-	74	-30.42	85	337	H
	* 4.32	27.59	MAv1	33.6	-28.4	32.79	54	-21.21	-	-	85	337	H
6	* 8.174	34.61	PK2	35.8	-23.4	47.01	-	-	74	-26.99	14	272	V
	* 8.174	24.16	MAv1	35.8	-23.4	36.56	54	-17.44	-	-	14	272	V
1	1.959	42	PK2	31.3	-21.4	51.9	-	-	-	-	4	224	V
4	9.281	33.77	PK2	36.3	-20.4	49.67	-	-	-	-	356	349	H
5	13.601	35.35	PK2	38.6	-22.2	51.75	-	-	-	-	303	286	H

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

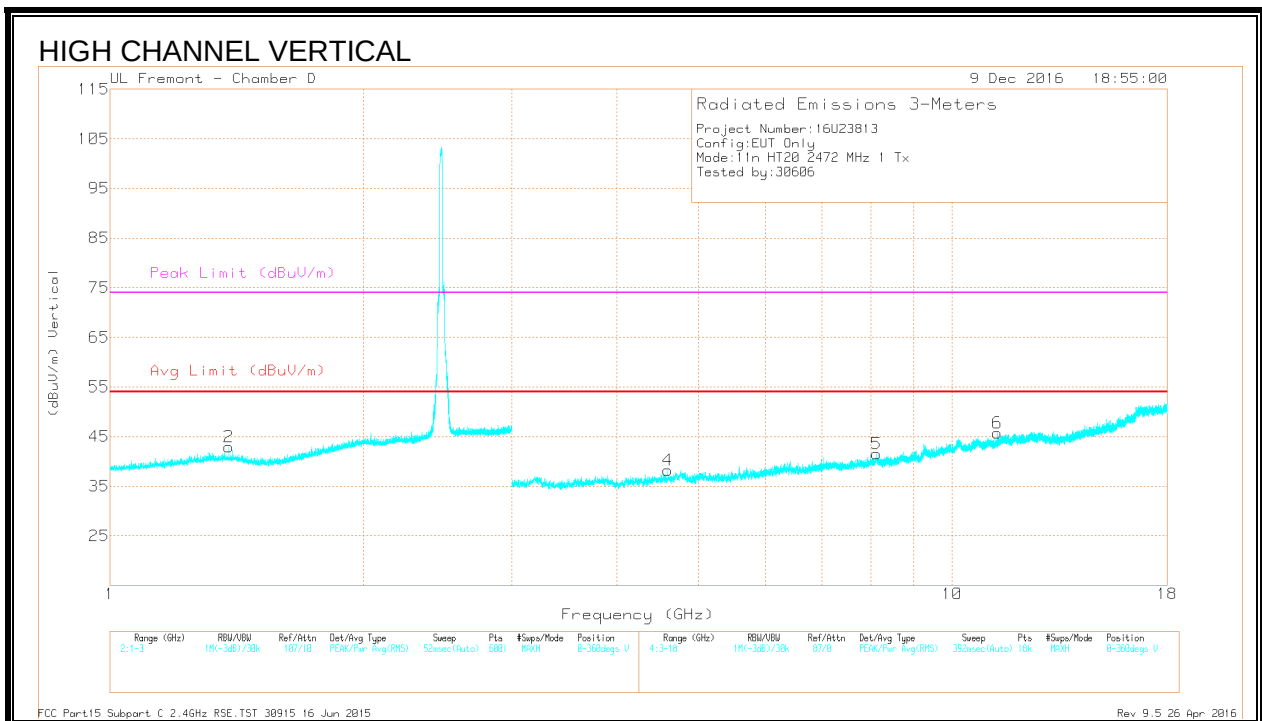
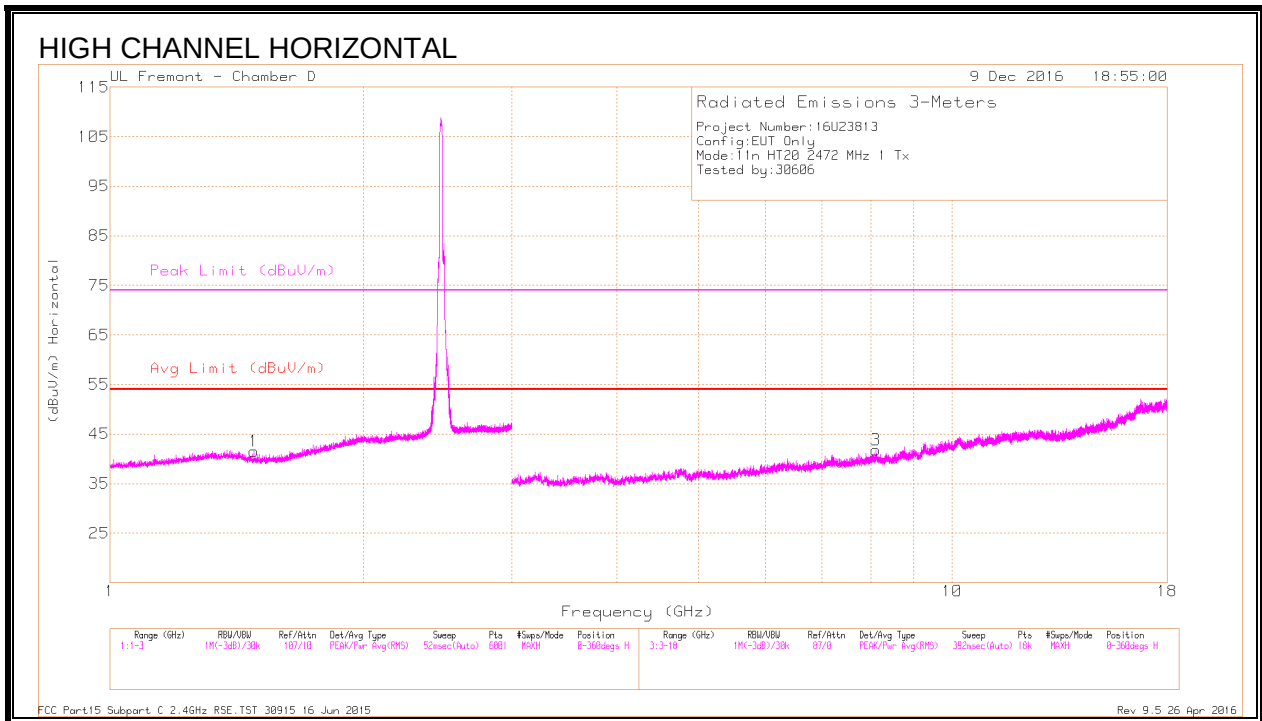
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.483	40.96	PK2	28	-21.9	47.06	-	-	74	-26.94	23	263	H
	* 1.482	30.11	MAv1	28.1	-21.9	36.31	54	-17.69	-	-	23	263	H
2	* 1.383	42.21	PK2	29	-22.1	49.11	-	-	74	-24.89	328	312	V
	* 1.383	30.39	MAv1	29	-22.1	37.29	54	-16.71	-	-	328	312	V
3	* 8.114	35.46	PK2	35.8	-23.3	47.96	-	-	74	-26.04	87	359	H
	* 8.117	24.49	MAv1	35.8	-23.2	37.09	54	-16.91	-	-	87	359	H
4	* 4.595	38.39	PK2	34.2	-28.2	44.39	-	-	74	-29.61	245	209	V
	* 4.596	27.99	MAv1	34.2	-28.2	33.99	54	-20.01	-	-	245	209	V
5	* 8.126	34.99	PK2	35.8	-22.9	47.89	-	-	74	-26.11	29	373	V
	* 8.126	24.37	MAv1	35.8	-22.9	37.27	54	-16.73	-	-	29	373	V
6	* 11.311	34.2	PK2	38.3	-20.9	51.6	-	-	74	-22.4	210	166	V
	* 11.312	23.32	MAv1	38.3	-20.9	40.72	54	-13.28	-	-	210	166	V

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

PK2 - KDB558074 Method: Maximum Peak

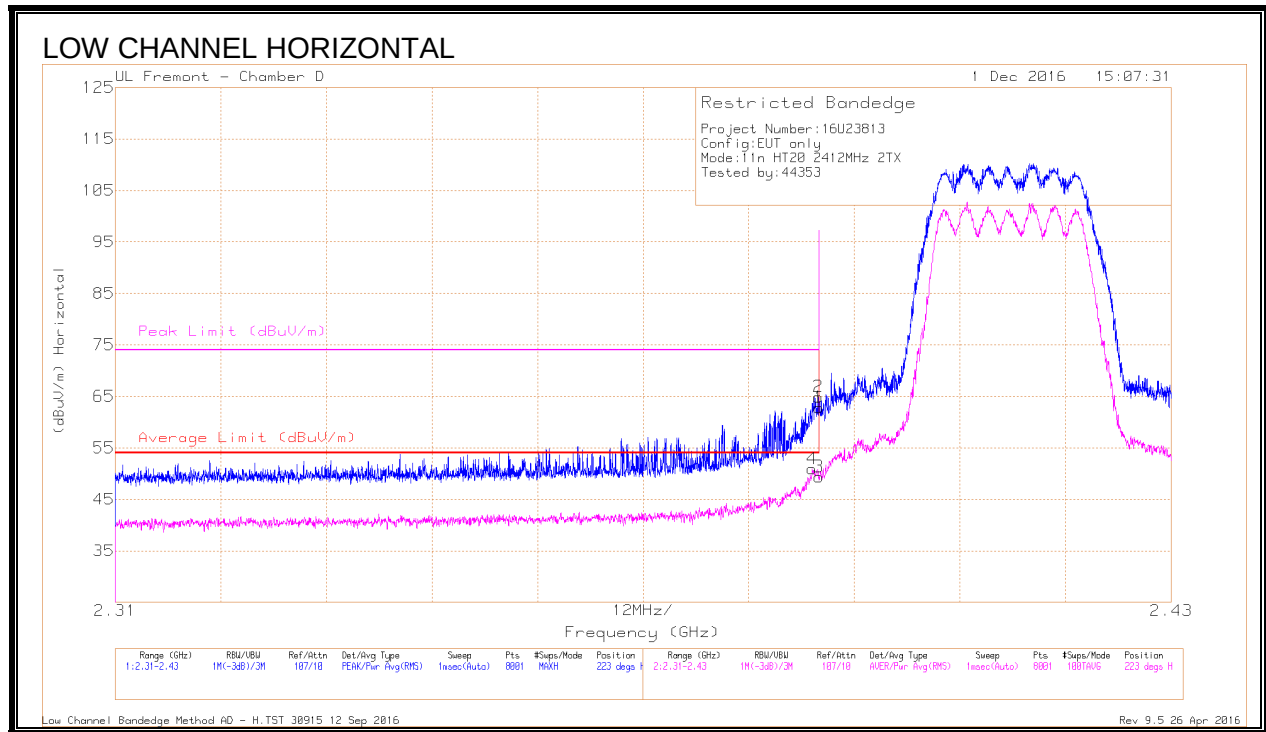
MAv1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

9.2.5. 11n HT20 2TX CDD MIMO MODE IN THE 2.4GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)

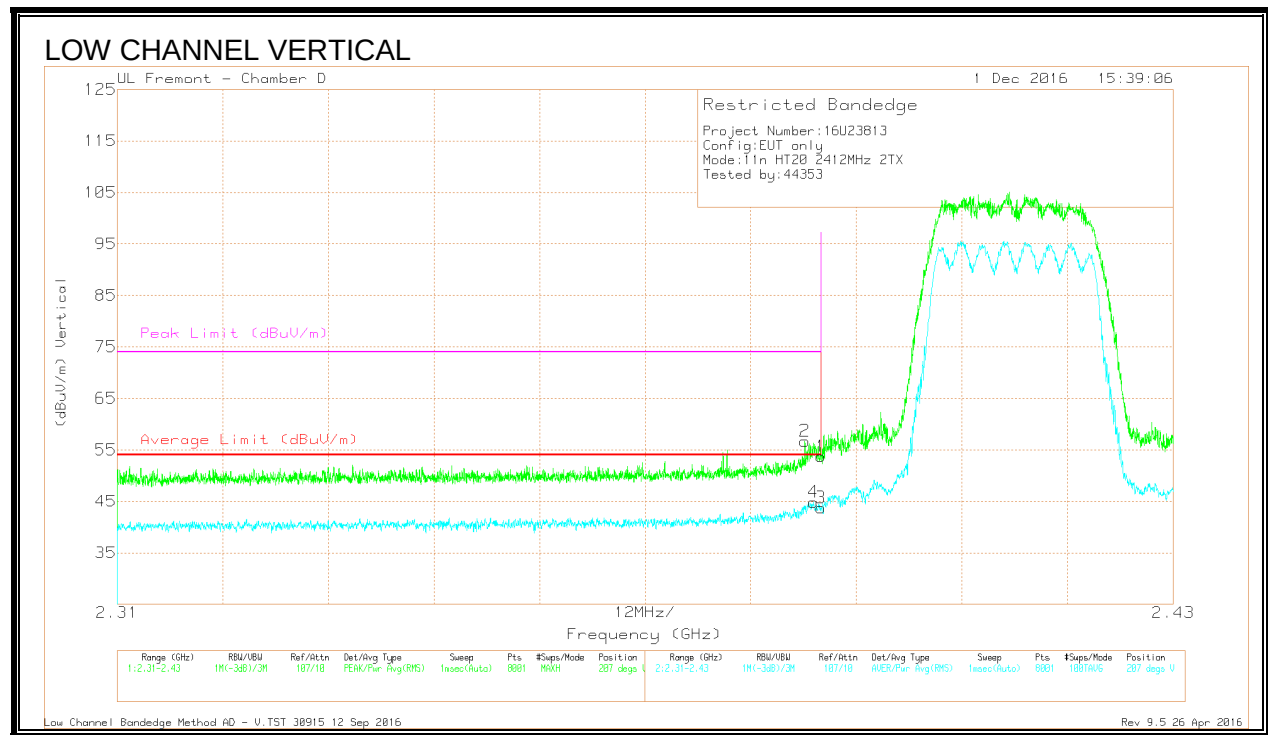


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.44	Pk	32.1	-20.7	62.84	-	-	74	-11.16	223	161	H
2	* 2.39	53.52	Pk	32.1	-20.7	64.92	-	-	74	-9.08	223	161	H
3	* 2.39	37.98	RMS	32.1	-20.7	49.38	54	-4.62	-	-	223	161	H
4	* 2.389	39.65	RMS	32.1	-20.8	50.95	54	-3.05	-	-	223	161	H

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

Pk - Peak detector

RMS - RMS detection



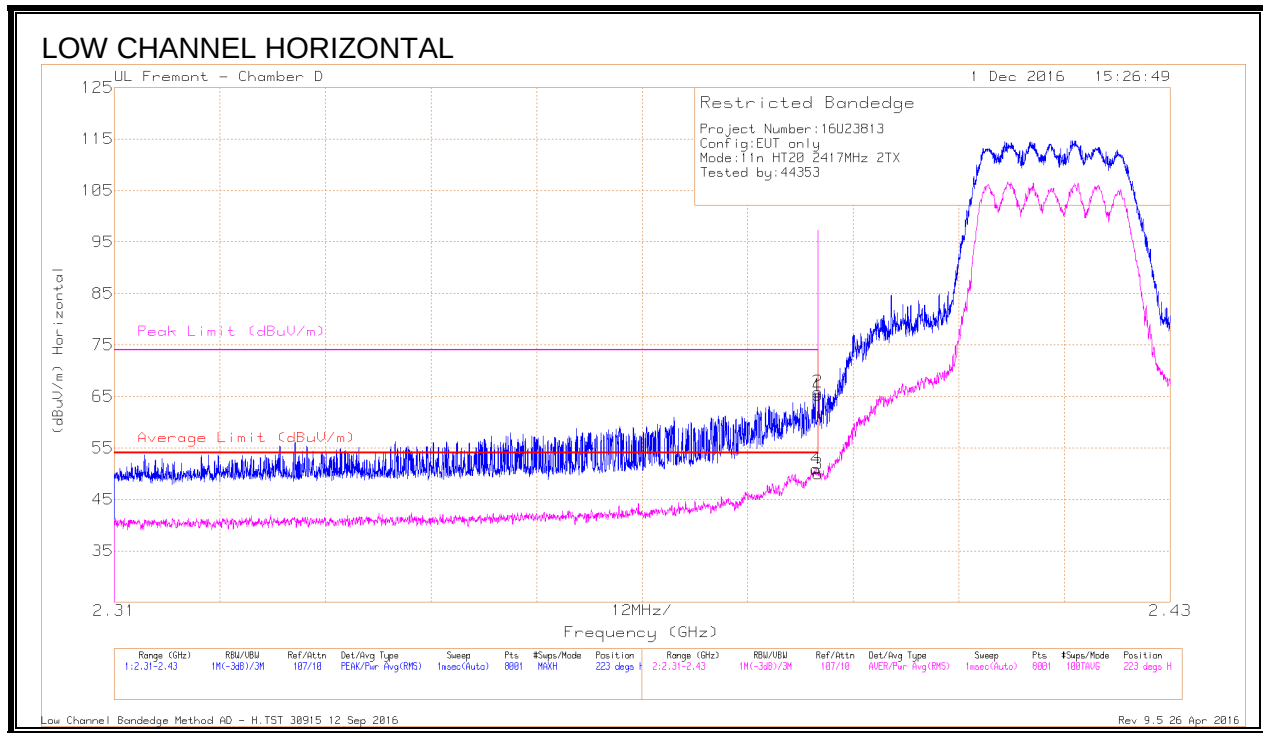
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.33	Pk	32.1	-20.7	53.73	-	-	74	-20.27	207	125	V
2	* 2.388	45.43	Pk	32.1	-20.8	56.73	-	-	74	-17.27	207	125	V
3	* 2.39	32.35	RMS	32.1	-20.7	43.75	54	-10.25	-	-	207	125	V
4	* 2.389	33.56	RMS	32.1	-20.8	44.86	54	-9.14	-	-	207	125	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (LOW CHANNEL, CH 2)

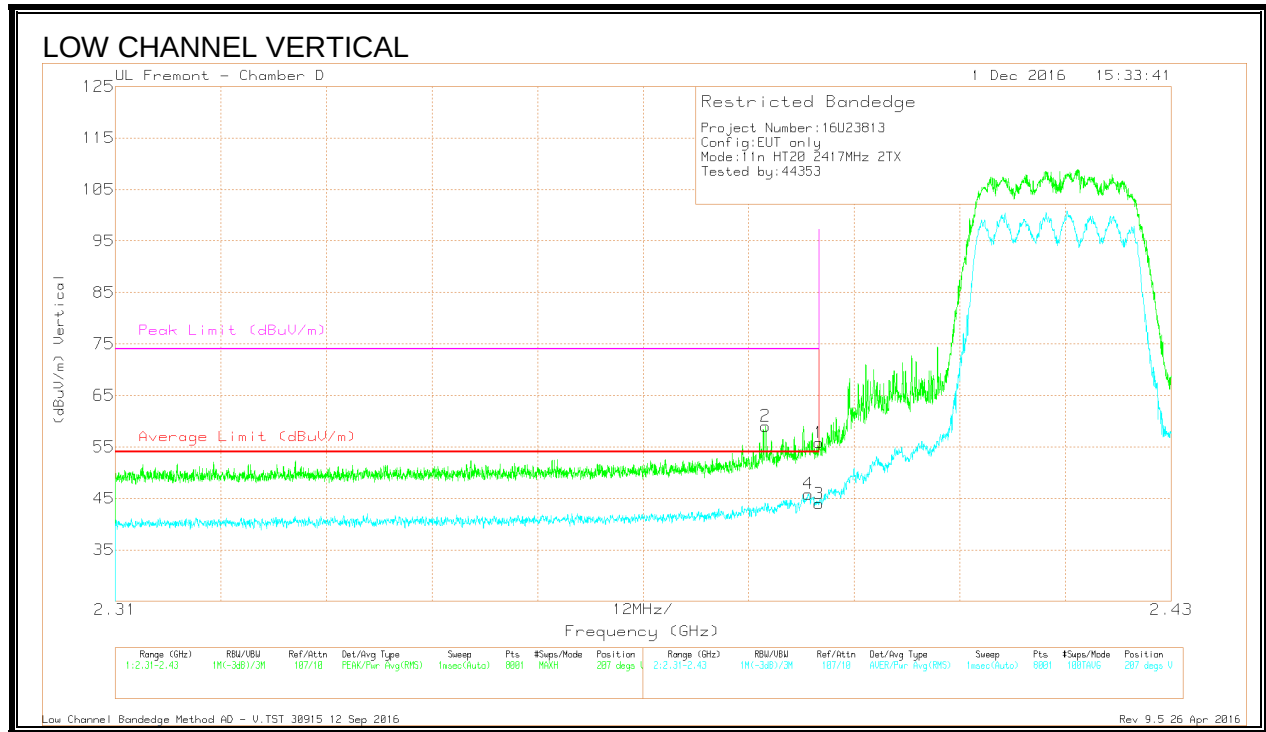


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl /Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.85	Pk	32.1	-20.7	65.25	-	-	74	-8.75	223	161	H
2	* 2.39	54.49	Pk	32.1	-20.7	65.89	-	-	74	-8.11	223	161	H
3	* 2.39	38.54	RMS	32.1	-20.7	49.94	54	-4.06	-	-	223	161	H
4	* 2.39	39.61	RMS	32.1	-20.8	50.91	54	-3.09	-	-	223	161	H

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

Pk - Peak detector

RMS - RMS detection



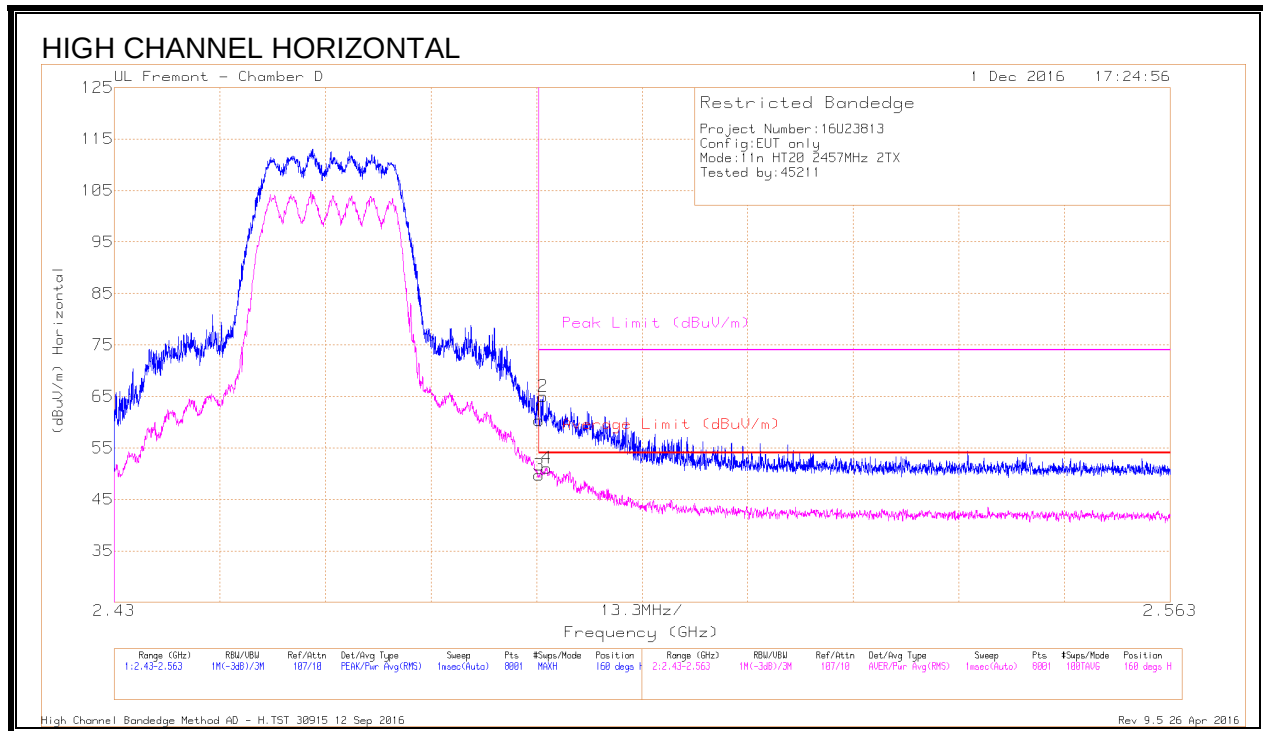
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.39	Pk	32.1	-20.7	55.79	-	-	74	-18.21	207	125	V
2	* 2.384	47.74	Pk	32.1	-20.8	59.04	-	-	74	-14.96	207	125	V
3	* 2.39	32.56	RMS	32.1	-20.7	43.96	54	-10.04	-	-	207	125	V
4	* 2.389	34.57	RMS	32.1	-20.8	45.87	54	-8.13	-	-	207	125	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 10)

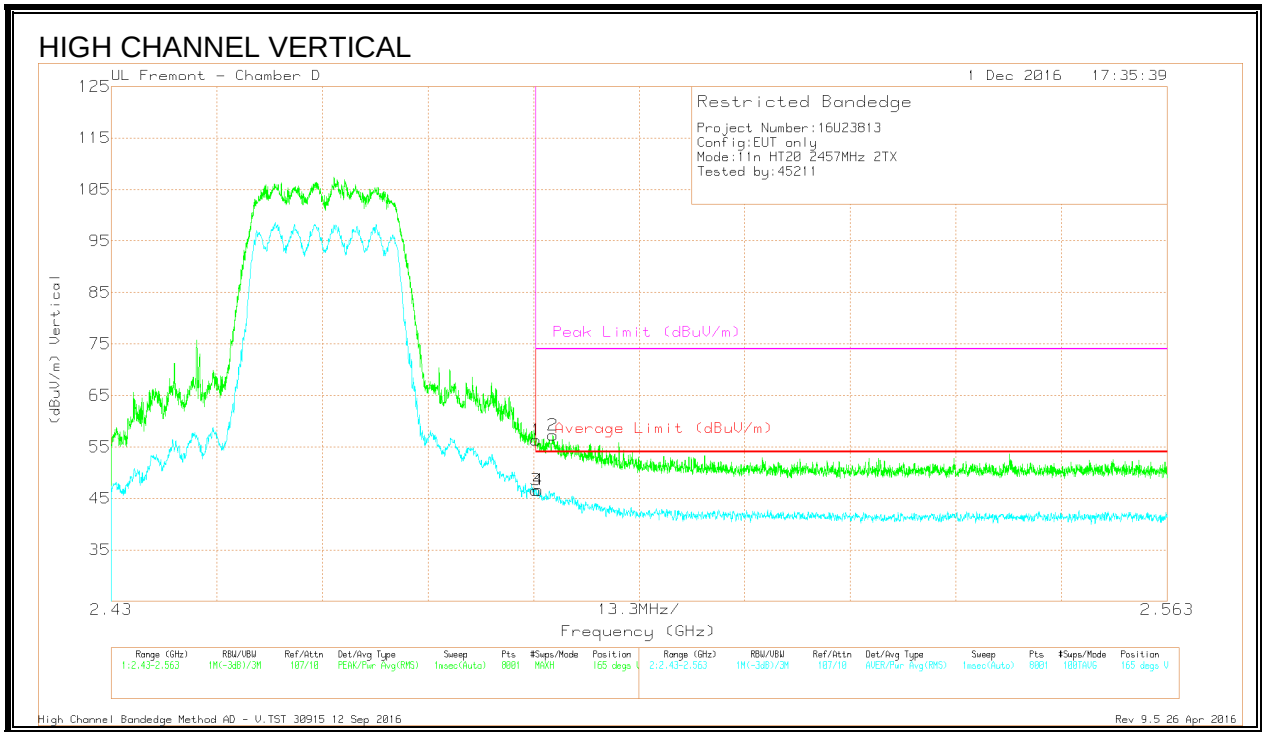


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.9	Pk	32.3	-20.8	60.4	-	-	74	-13.6	160	195	H
2	* 2.484	53.52	Pk	32.3	-20.8	65.02	-	-	74	-8.98	160	195	H
3	* 2.484	38.19	RMS	32.3	-20.8	49.69	54	-4.31	-	-	160	195	H
4	* 2.485	39.61	RMS	32.3	-20.8	51.11	54	-2.89	-	-	160	195	H

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

Pk - Peak detector

RMS - RMS detection



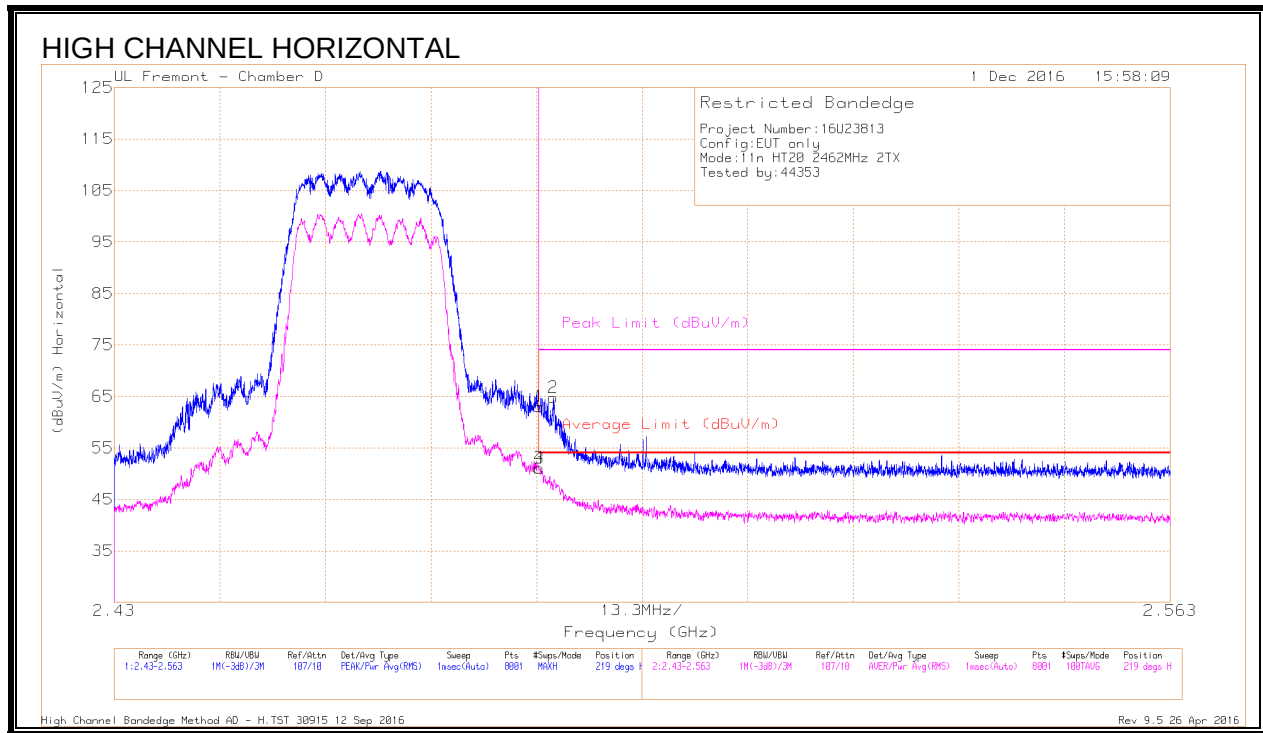
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.8	Pk	32.3	-20.8	56.3	-	-	74	-17.7	165	143	V
2	* 2.486	45.8	Pk	32.3	-20.8	57.3	-	-	74	-16.7	165	143	V
3	* 2.484	35.1	RMS	32.3	-20.8	46.6	54	-7.4	-	-	165	143	V
4	* 2.484	35.12	RMS	32.3	-20.8	46.62	54	-7.38	-	-	165	143	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)

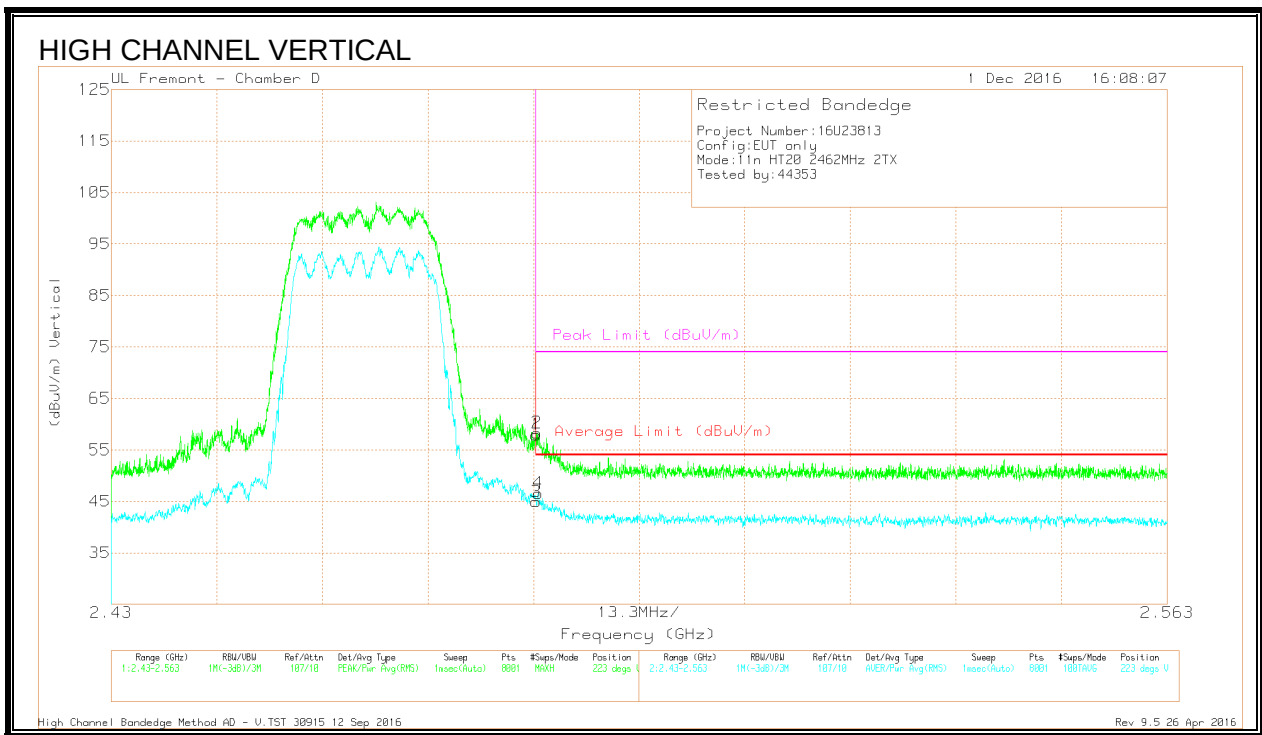


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.5	Pk	32.3	-20.8	63	-	-	74	-11	219	105	H
2	* 2.485	53.26	Pk	32.3	-20.8	64.76	-	-	74	-9.24	219	105	H
3	* 2.484	39.53	RMS	32.3	-20.8	51.03	54	-2.97	-	-	219	105	H
4	* 2.484	39.61	RMS	32.3	-20.8	51.11	54	-2.89	-	-	219	105	H

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

Pk - Peak detector

RMS - RMS detection



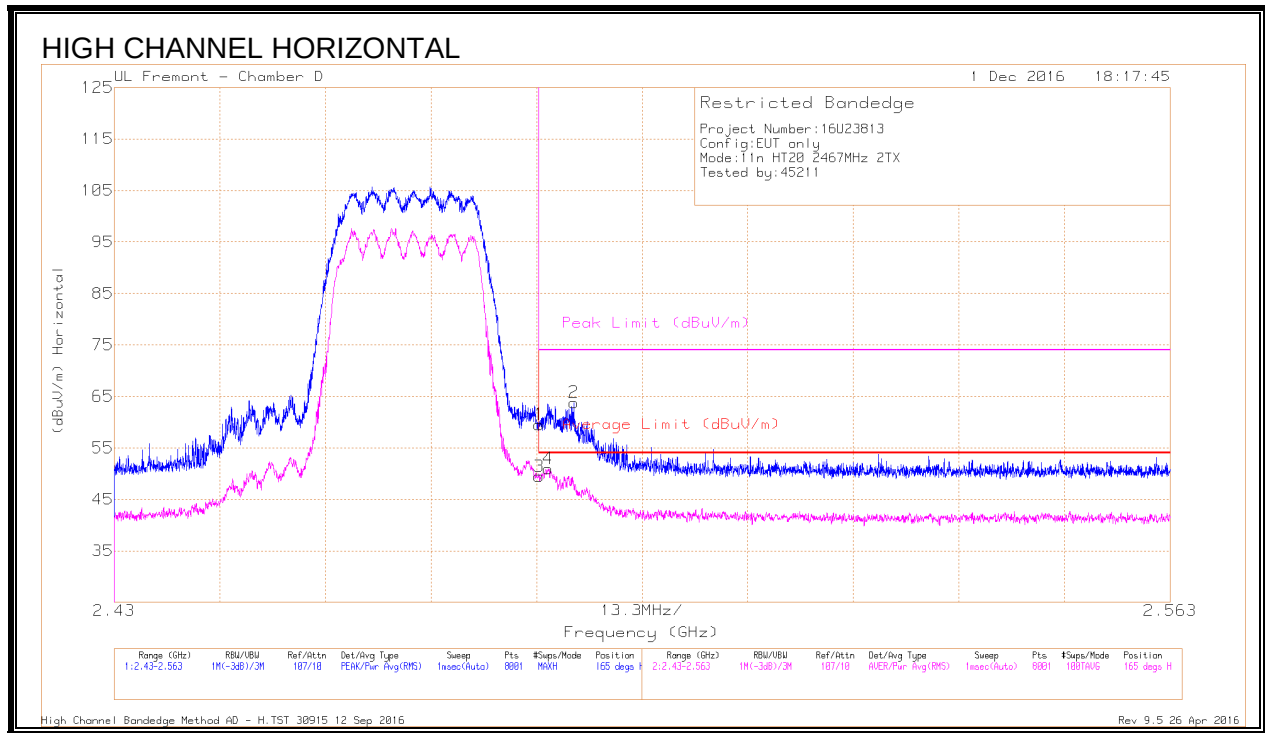
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.46	Pk	32.3	-20.8	57.96	-	-	74	-16.04	223	195	V
2	* 2.484	46.8	Pk	32.3	-20.8	58.3	-	-	74	-15.7	223	195	V
3	* 2.484	33.43	RMS	32.3	-20.8	44.93	54	-9.07	-	-	223	195	V
4	* 2.484	35.08	RMS	32.3	-20.8	46.58	54	-7.42	-	-	223	195	V

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

Pk - Peak detector

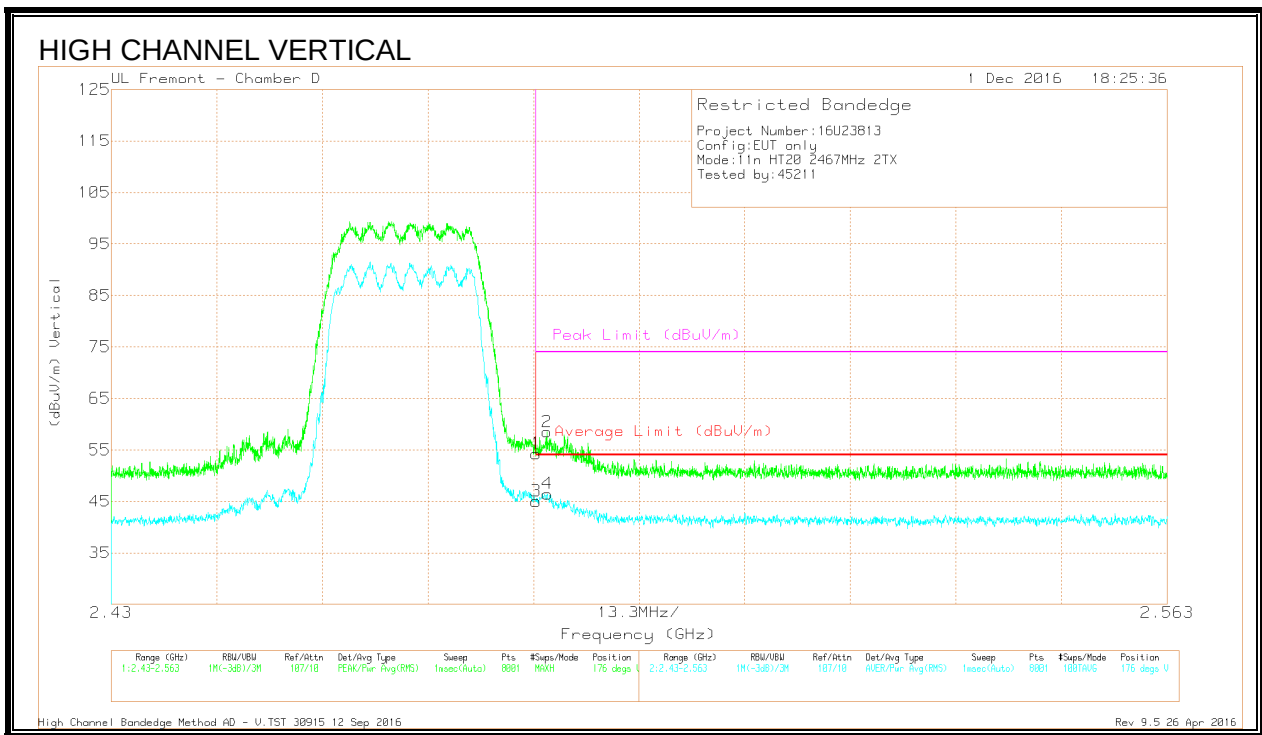
RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.04	Pk	32.3	-20.8	59.54	-	-	74	-14.46	165	225	H
2	* 2.488	52.31	Pk	32.3	-20.8	63.81	-	-	74	-10.19	165	225	H
3	* 2.484	37.96	RMS	32.3	-20.8	49.46	54	-4.54	-	-	165	225	H
4	* 2.485	39.47	RMS	32.3	-20.8	50.97	54	-3.03	-	-	165	225	H

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



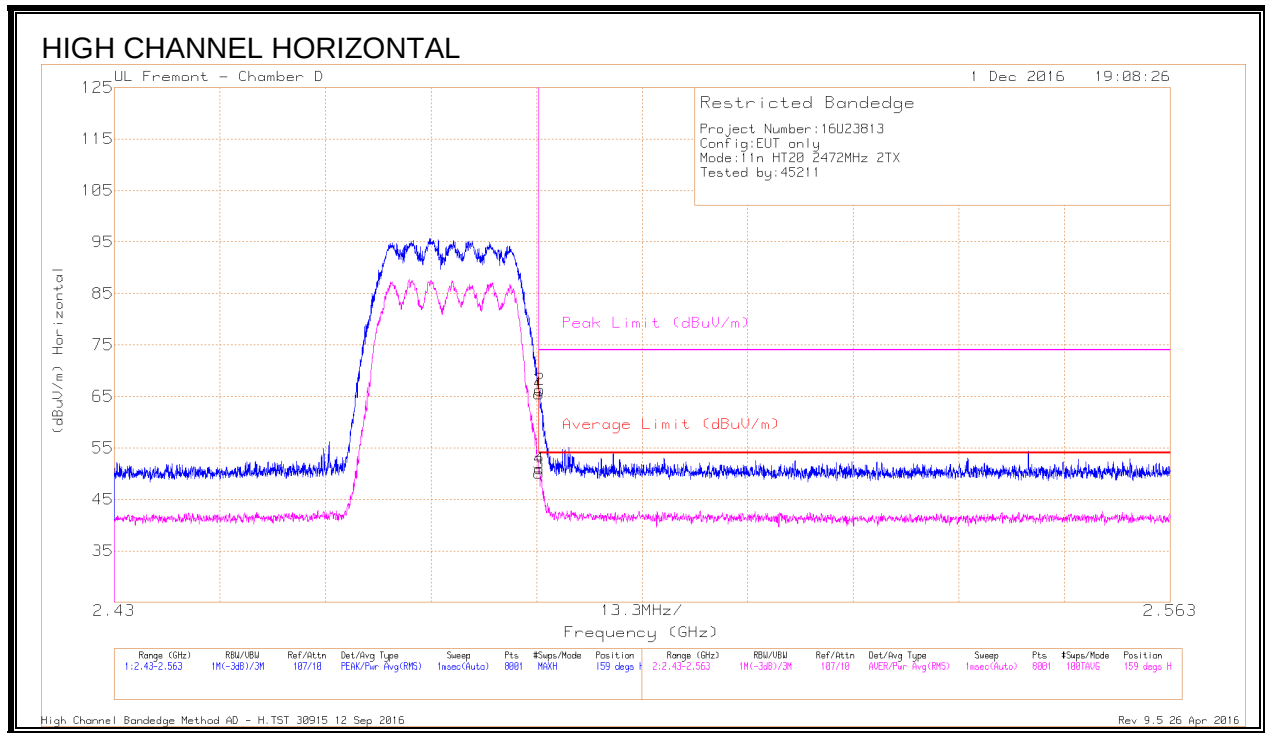
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.78	Pk	32.3	-20.8	54.28	-	-	74	-19.72	176	101	V
2	* 2.485	47.01	Pk	32.3	-20.8	58.51	-	-	74	-15.49	176	101	V
3	* 2.484	33.52	RMS	32.3	-20.8	45.02	54	-8.98	-	-	176	101	V
4	* 2.485	34.98	RMS	32.3	-20.8	46.48	54	-7.52	-	-	176	101	V

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

Pk - Peak detector

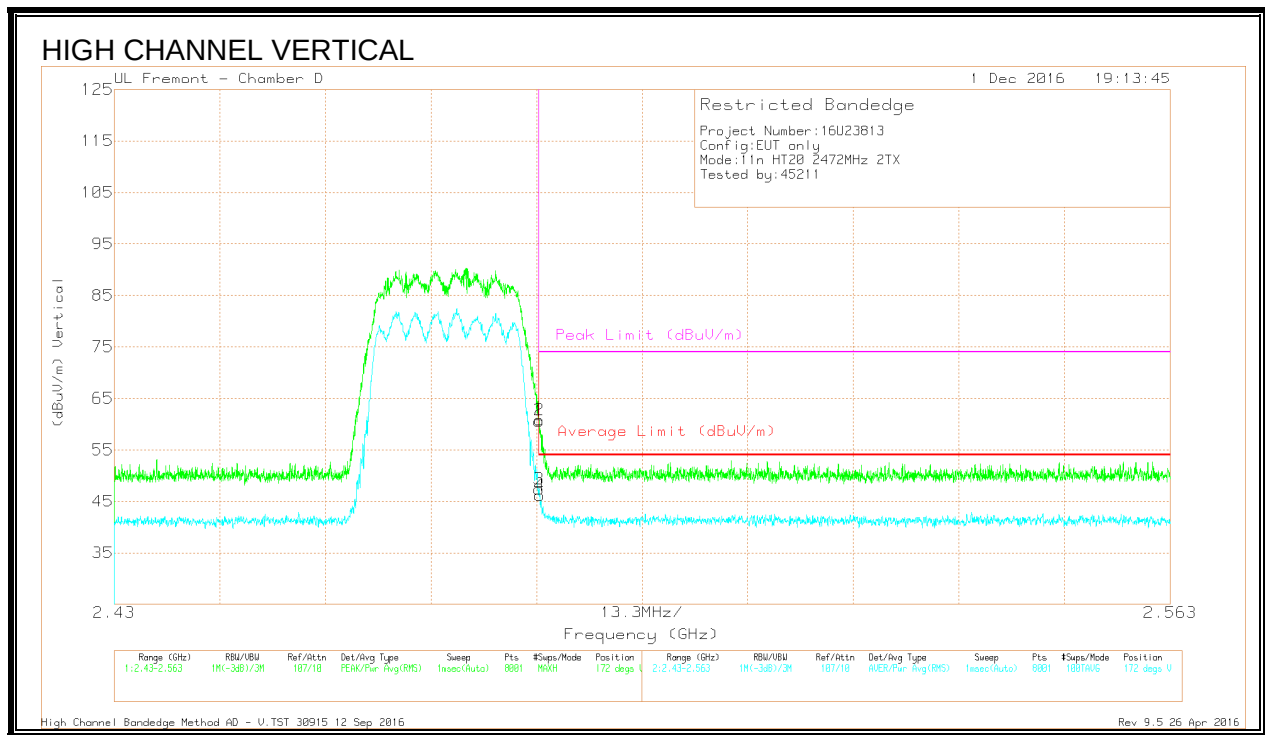
RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.99	Pk	32.3	-20.8	65.49	-	-	74	-8.51	159	200	H
2	* 2.484	54.78	Pk	32.3	-20.8	66.28	-	-	74	-7.72	159	200	H
3	* 2.484	38.6	RMS	32.3	-20.8	50.1	54	-3.9	-	-	159	200	H
4	* 2.484	39.45	RMS	32.3	-20.8	50.95	54	-3.05	-	-	159	200	H

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



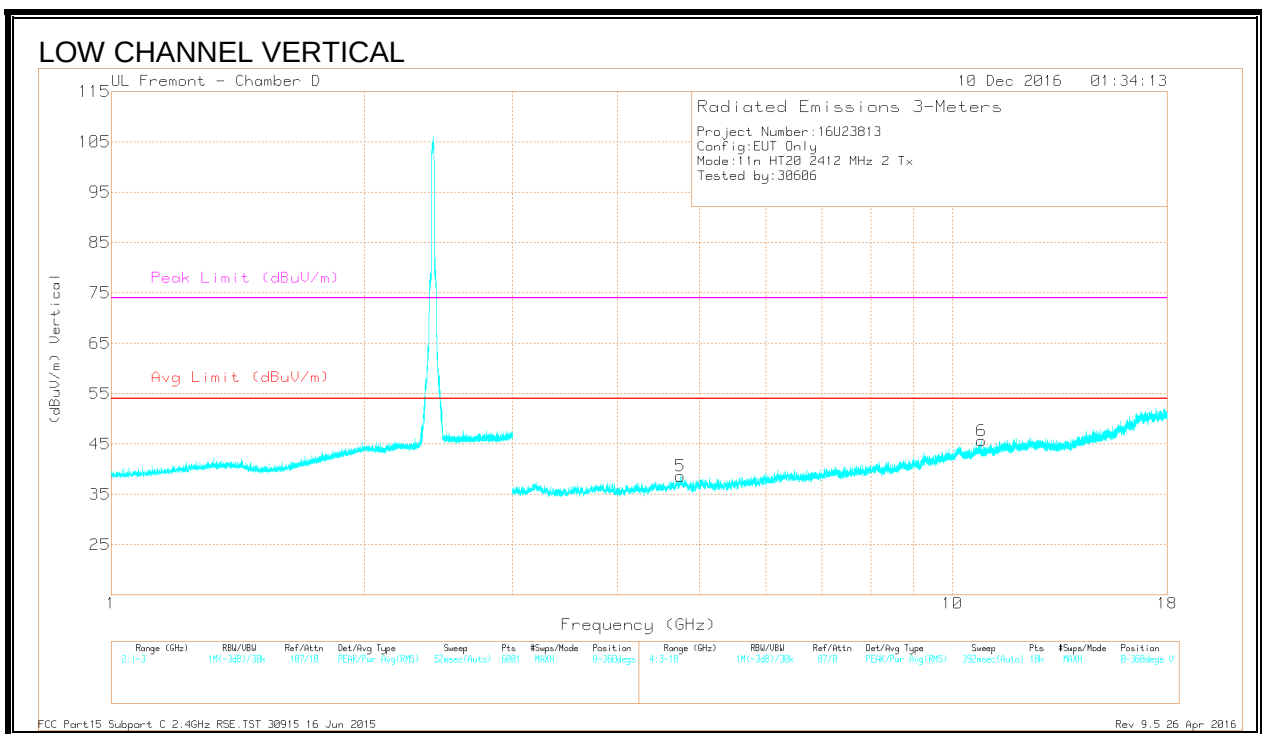
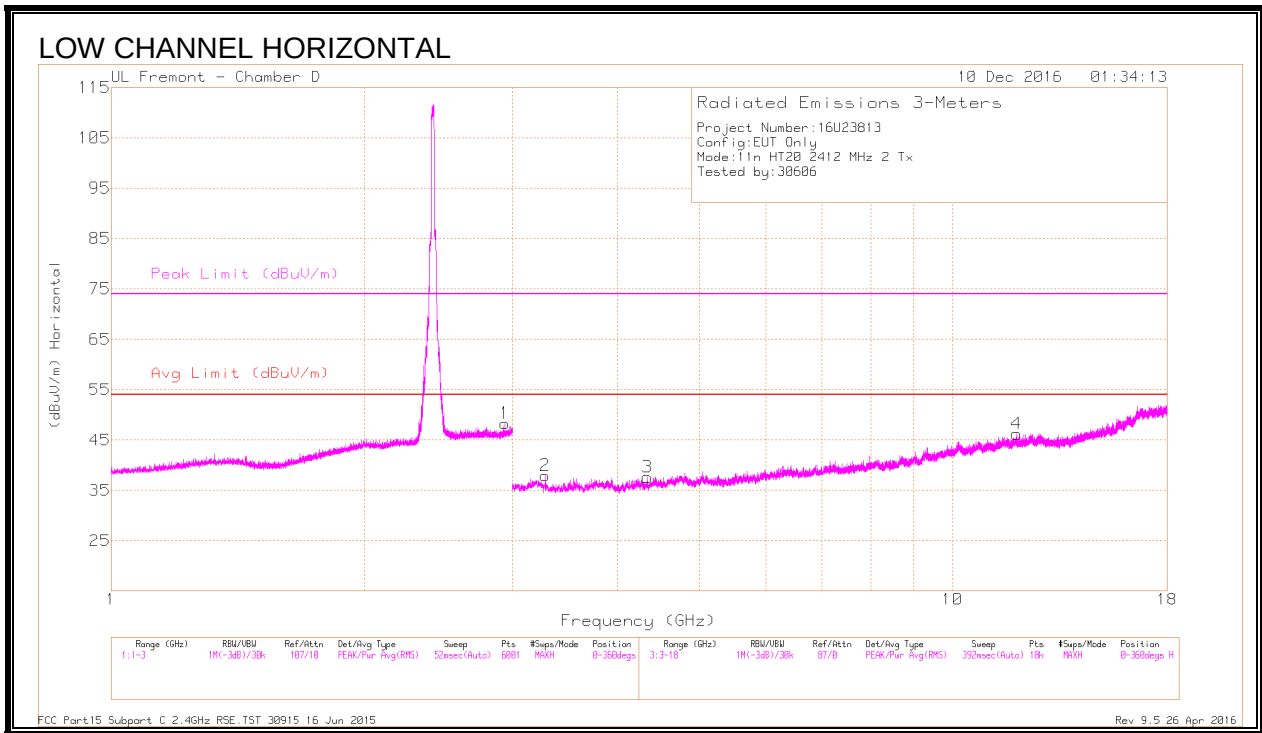
Mark er	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F lter/Pad (dB)	Correc ted Readin g (dBuV/ m)	Average Limit (dBuV/m)	Marg in (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimu th (Degs)	Heig ht (cm)	Polar ity
1	* 2.484	49.11	Pk	32.3	-20.8	60.61	-	-	74	-13.39	172	126	V
2	* 2.484	49.3	Pk	32.3	-20.8	60.8	-	-	74	-13.2	172	126	V
3	* 2.484	35.88	RMS	32.3	-20.8	47.38	54	-6.62	-	-	172	126	V
4	* 2.484	34.7	RMS	32.3	-20.8	46.2	54	-7.8	-	-	172	126	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)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.338	38.02	PK2	33.7	-28.7	43.02	-	-	74	-30.98	244	288	H
	* 4.339	27.38	MAv1	33.7	-28.6	32.48	54	-21.52	-	-	244	288	H
4	* 11.919	34.63	PK2	38.8	-21.1	52.33	-	-	74	-21.67	4	171	H
	* 11.915	23.29	MAv1	38.8	-21.1	40.99	54	-13.01	-	-	4	171	H
5	* 4.75	36.96	PK2	34	-26.5	44.46	-	-	74	-29.54	42	102	V
	* 4.749	26.05	MAv1	34	-26.5	33.55	54	-20.45	-	-	42	102	V
6	* 10.826	33.39	PK2	37.9	-20.8	50.49	-	-	74	-23.51	360	102	V
	* 10.828	23.13	MAv1	37.9	-20.9	40.13	54	-13.87	-	-	360	102	V
1	2.936	41.35	PK2	32.5	-20.2	53.65	-	-	-	-	109	200	H
2	3.282	38.75	PK2	32.9	-28	43.65	-	-	-	-	105	200	H

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

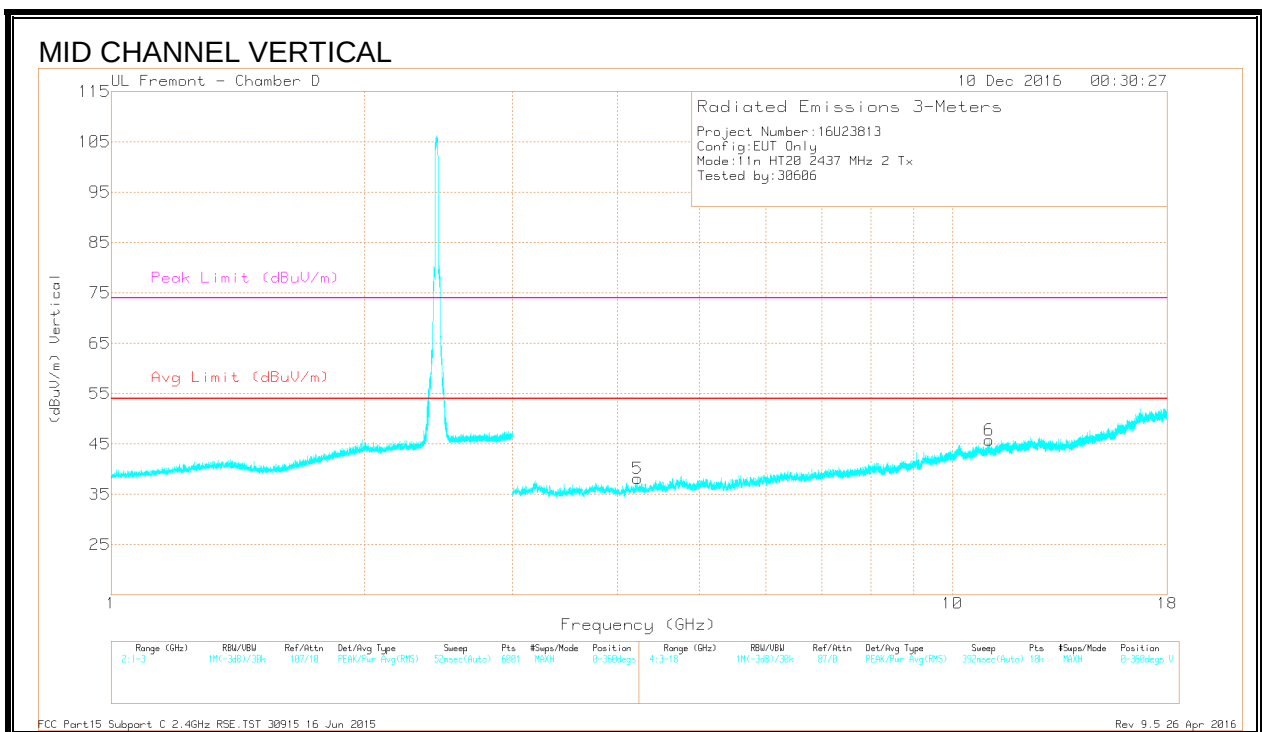
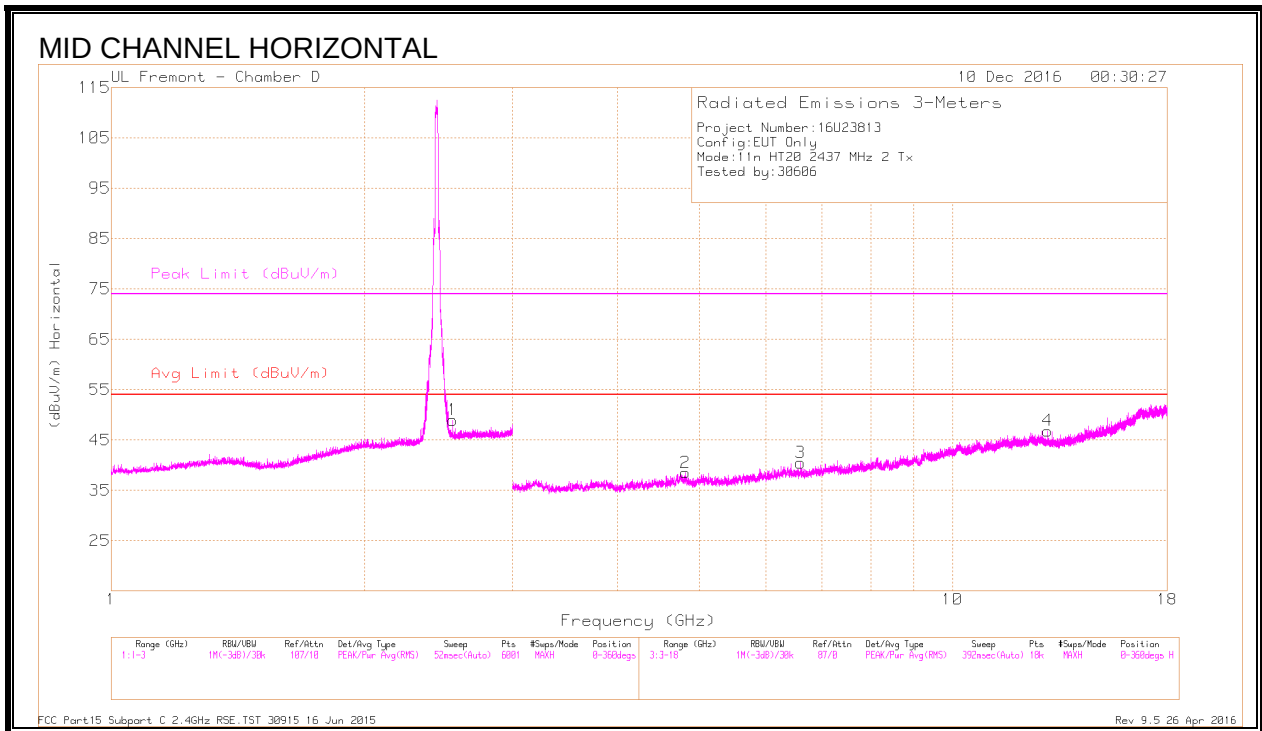
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.82	37.78	PK2	34.1	-27.2	44.68	-	-	74	-29.32	149	179	H
	* 4.82	26.9	MAv1	34.1	-27.2	33.8	54	-20.2	-	-	149	179	H
5	* 4.223	37.27	PK2	33.5	-27.4	43.37	-	-	74	-30.63	360	198	V
	* 4.224	26.73	MAv1	33.5	-27.4	32.83	54	-21.17	-	-	360	198	V
6	* 11.065	34.55	PK2	38	-20.8	51.75	-	-	74	-22.25	178	101	V
	* 11.062	23.35	MAv1	38	-20.8	40.55	54	-13.45	-	-	178	101	V
1	2.548	41.43	PK2	32.2	-20.6	53.03	-	-	-	-	336	272	H
3	6.602	35.63	PK2	35.6	-25.7	45.53	-	-	-	-	265	336	H
4	12.979	34.8	PK2	39.2	-21.2	52.8	-	-	-	-	128	143	H

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

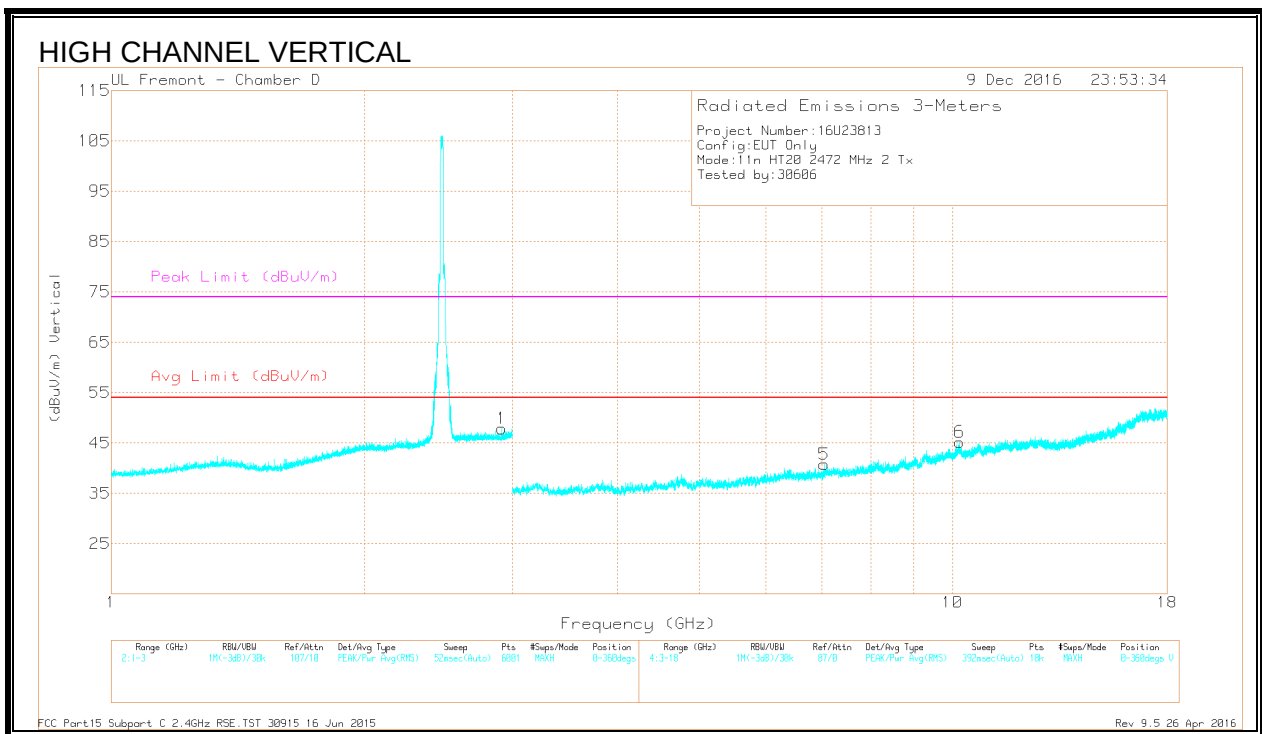
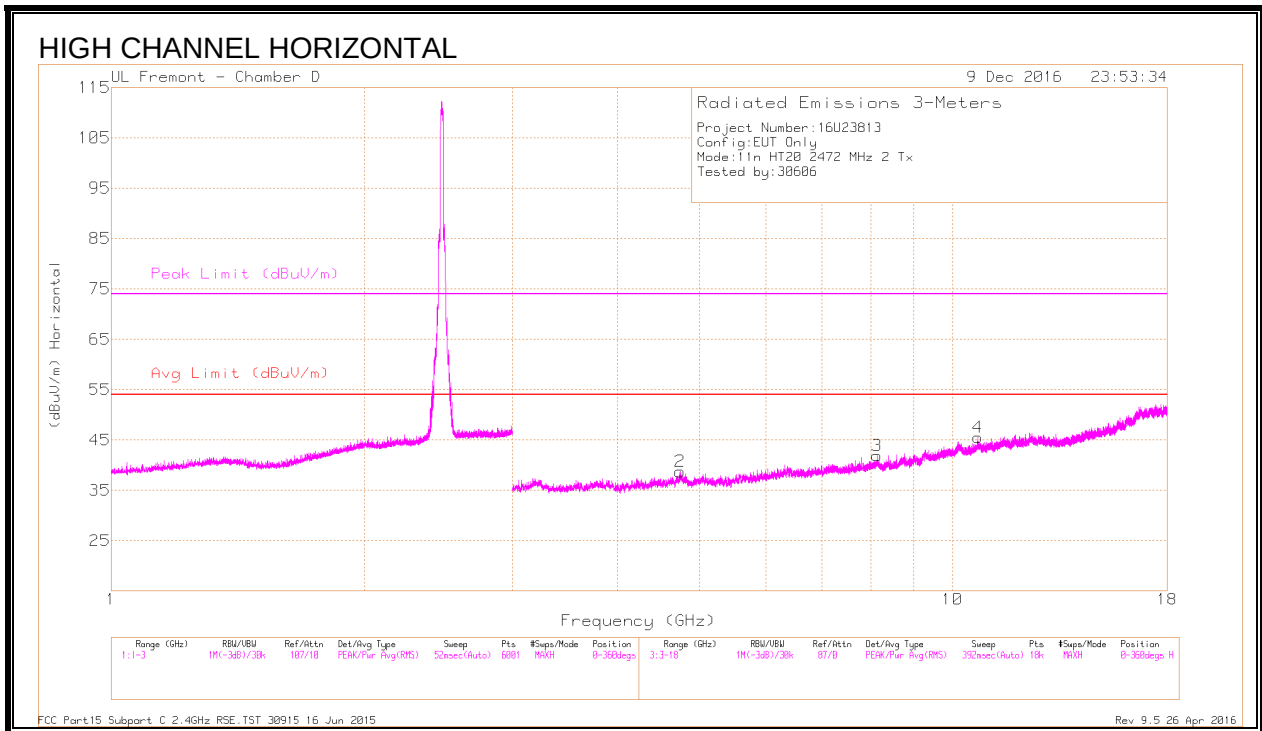
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.745	36.89	PK2	34	-26.5	44.39	-	-	74	-29.61	13	214	H
	* 4.746	26.08	MAv1	34	-26.5	33.58	54	-20.42	-	-	13	214	H
3	* 8.132	35.11	PK2	35.8	-22.6	48.31	-	-	74	-25.69	318	339	H
	* 8.133	24.18	MAv1	35.8	-22.5	37.48	54	-16.52	-	-	318	339	H
4	* 10.715	34.3	PK2	37.9	-20.6	51.6	-	-	74	-22.4	177	269	H
	* 10.714	23.39	MAv1	37.9	-20.6	40.69	54	-13.31	-	-	177	269	H
1	2.914	41.16	PK2	32.4	-20.2	53.36	-	-	-	-	70	151	V
5	7.039	35.88	PK2	35.7	-25.5	46.08	-	-	-	-	306	214	V
6	10.194	33.78	PK2	37.5	-19.8	51.48	-	-	-	-	330	175	V

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

PK2 - KDB558074 Method: Maximum Peak

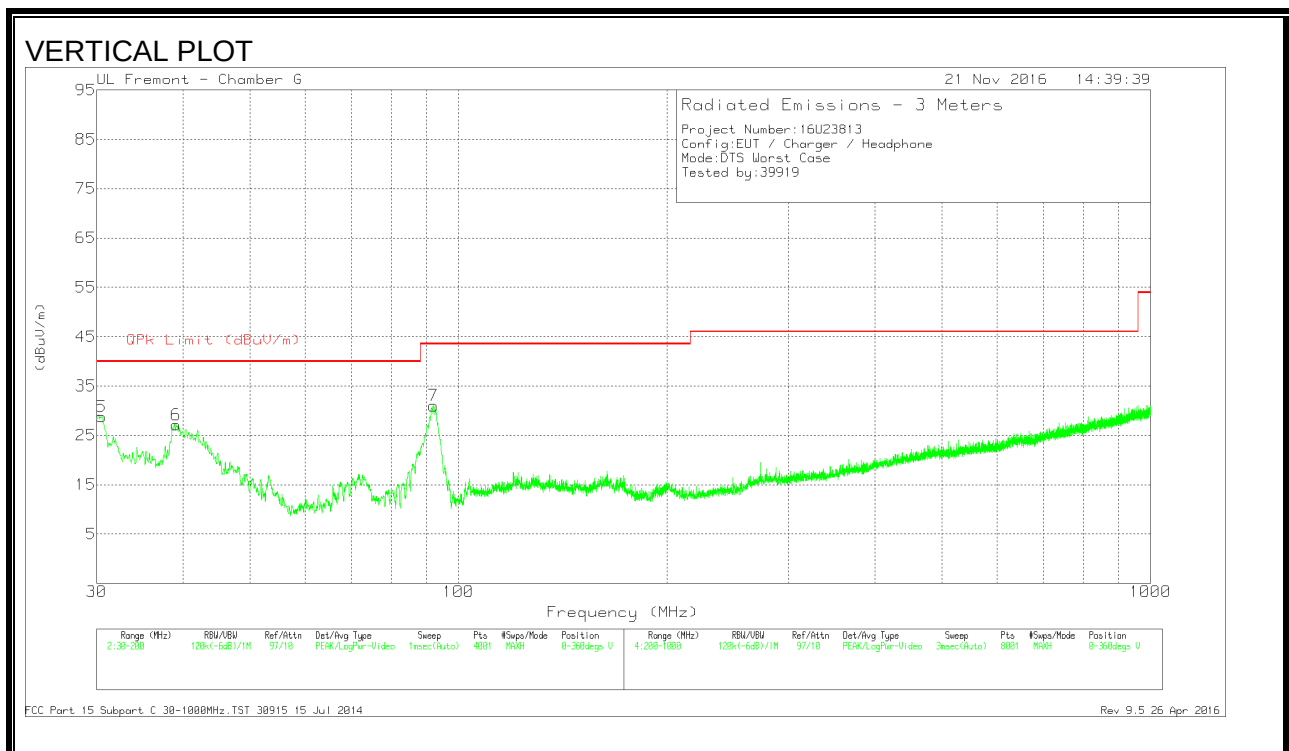
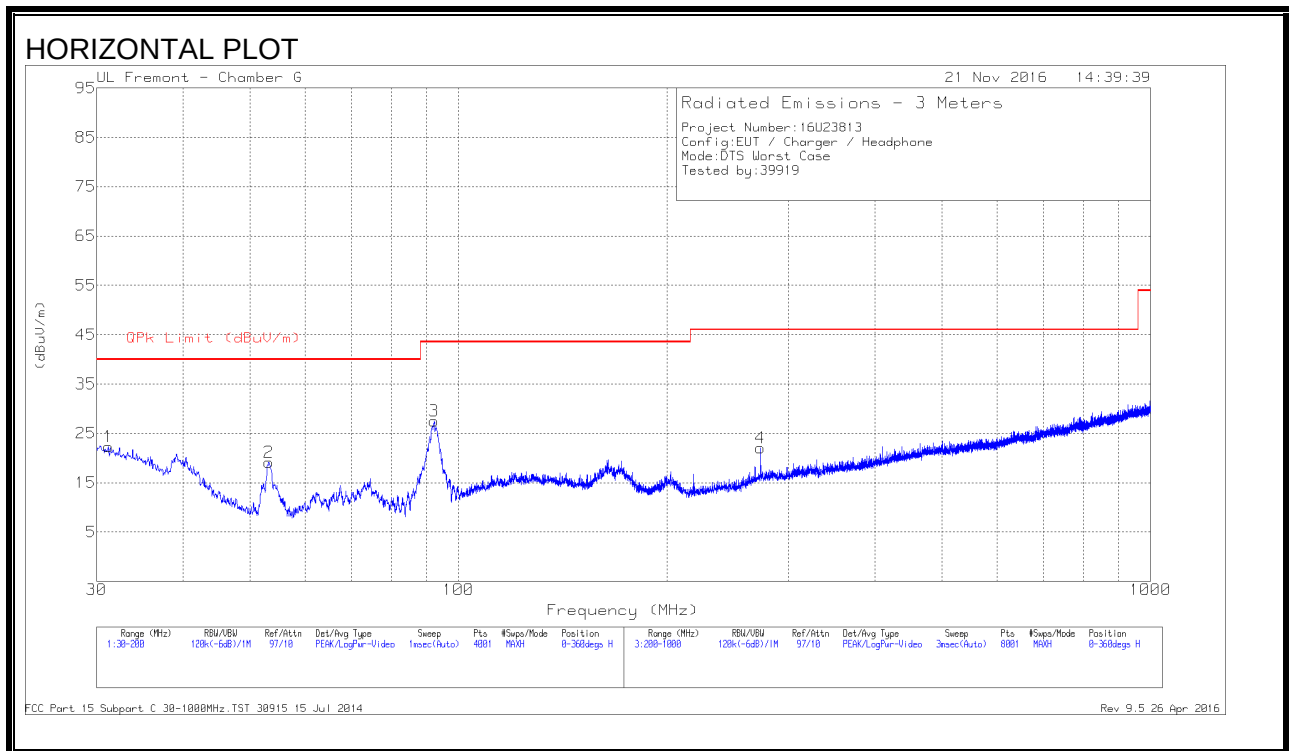
MAv1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

9.3. WORST-CASE BELOW 1 GHz

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



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	31.19	28.93	Pk	24.7	-31.3	22.33	40	-17.67	0-360	300	H
2	53.1625	39.26	Pk	10.9	-31	19.16	40	-20.84	0-360	400	H
3	92.22	45.89	Pk	12.1	-30.5	27.49	43.52	-16.03	0-360	200	H
4	* 273.2	33.99	Pk	17.2	-29.1	22.09	46.02	-23.93	0-360	99	H
5	30.4675	34.82	Pk	25.3	-31.3	28.82	40	-11.18	0-360	100	V
6	39.095	39.27	Pk	19	-31.2	27.07	40	-12.93	0-360	100	V
7	92.0925	49.5	Pk	12	-30.5	31	43.52	-12.52	0-360	100	V

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

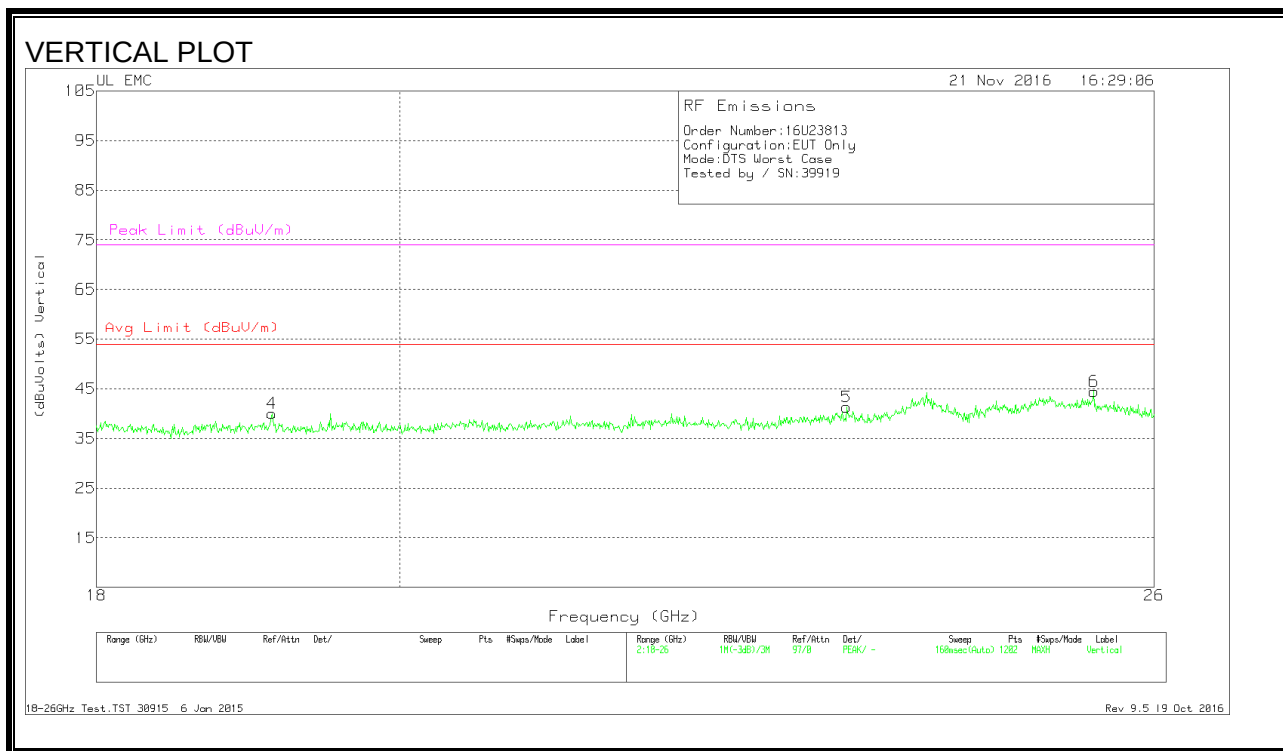
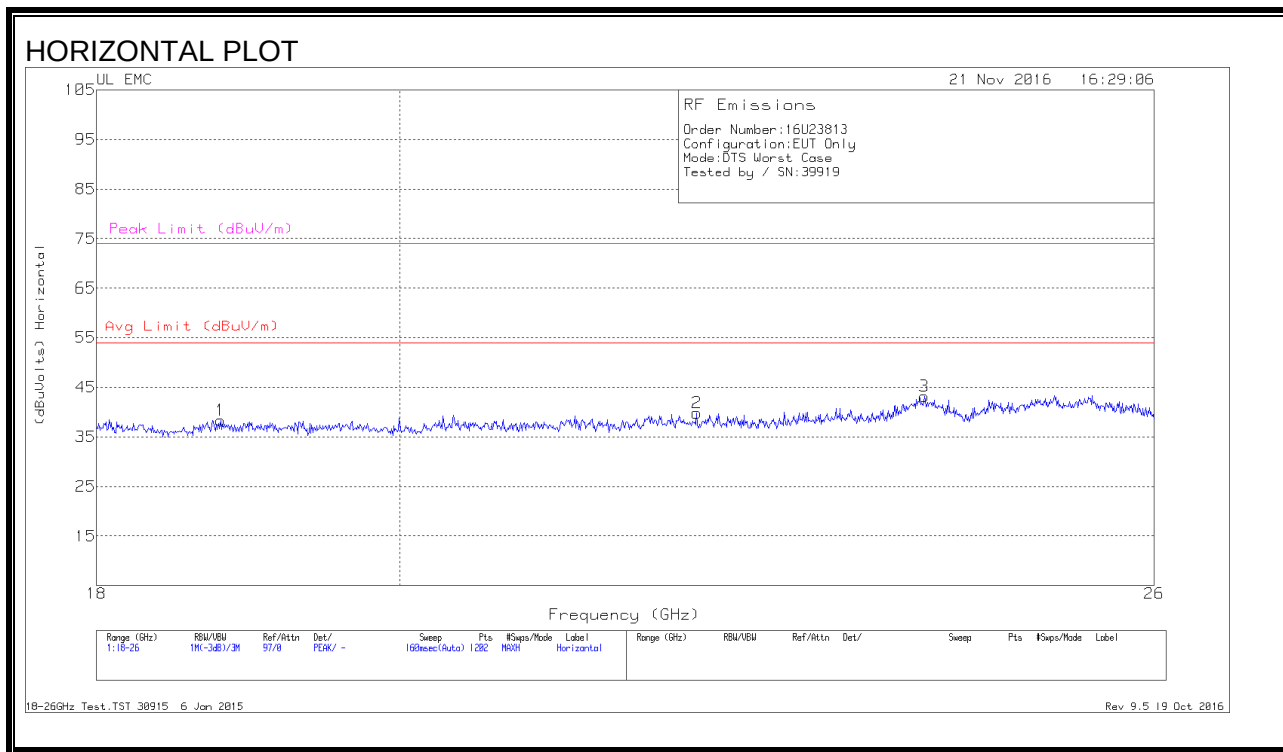
Pk - Peak detector

FCC Part 15 Subpart C 30-1000MHz.TST 30915 15 Jul 2014

Rev 9.5 26 Apr 2016

9.4. WORST-CASE 18 to 26 GHz

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



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T449 (dB/m)	Amp/Cb I (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	18.793	40.33	Pk	32.4	-24.9	-9.5	38.33	54	-15.66	74	-35.66
2	22.177	40.63	Pk	33.5	-24.8	-9.5	39.83	54	-14.16	74	-34.16
3	24.002	43.07	Pk	34	-24.4	-9.5	43.166	54	-10.833	74	-30.83
4	19.132	41.3	Pk	32.7	-24.5	-9.5	40	54	-14	74	-34
5	23.362	41.93	Pk	33.6	-24.7	-9.5	41.33	54	-12.66	74	-32.66
6	25.46	44.1	Pk	34.4	-24.5	-9.5	44.5	54	-9.5	74	-29.5

10. 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

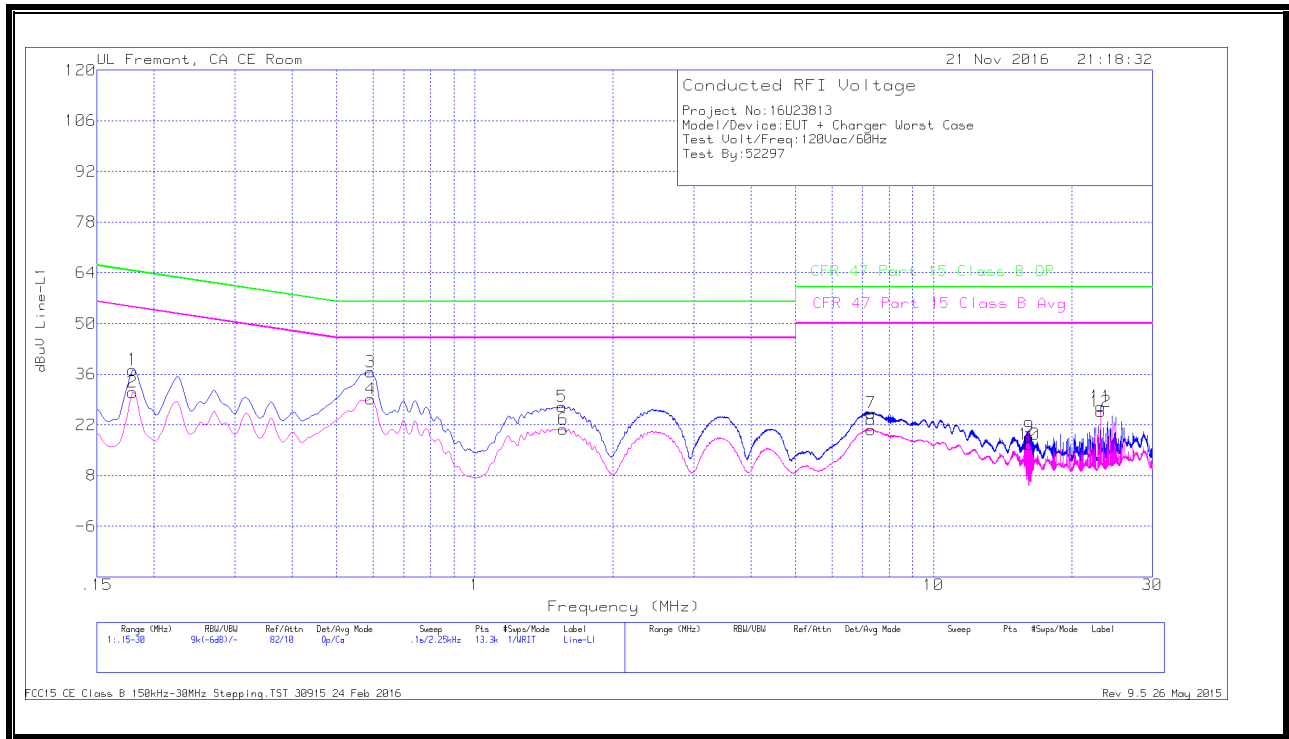
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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.

10.1. EUT POWERED BY AC/DC ADAPTER VIA USB CABLE

LINE 1 RESULTS



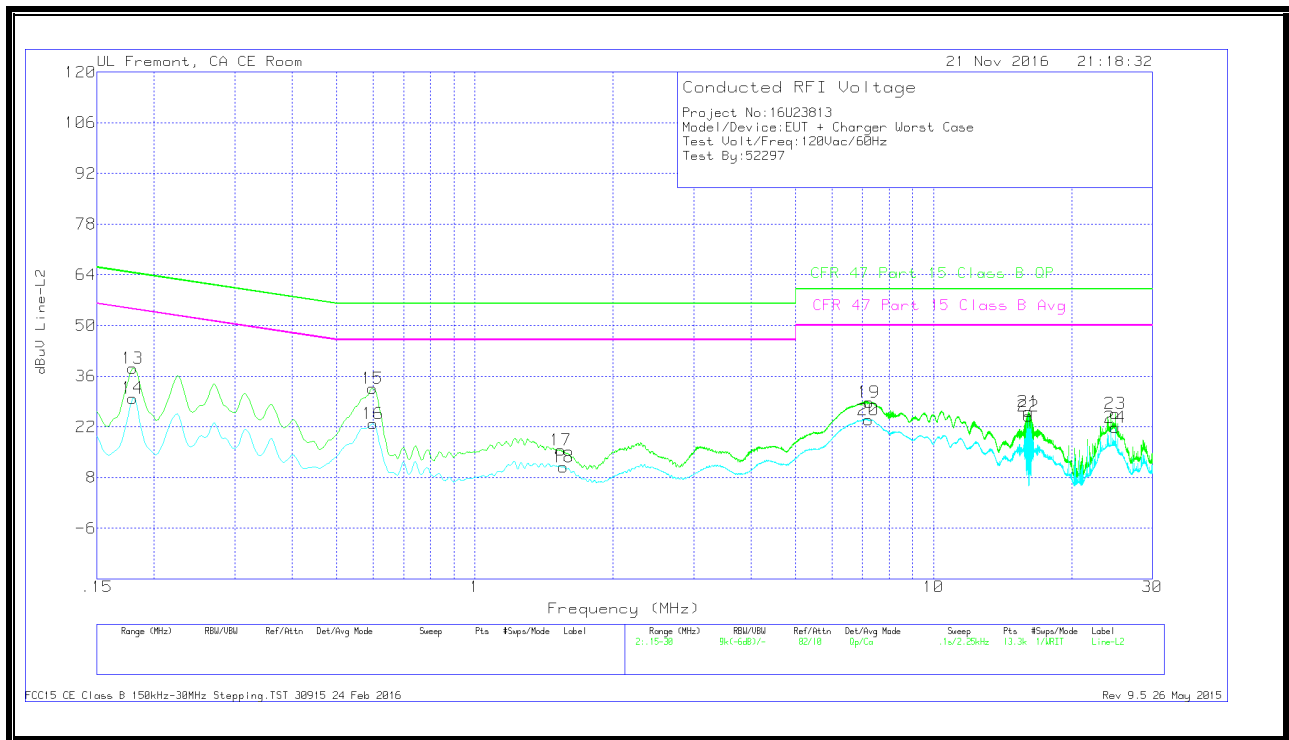
WORST EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables 1&3	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	.17925	27.12	Qp	0	0	10.1	37.22	64.52	-27.3	-	-
2	.17925	20.87	Ca	0	0	10.1	30.97	-	-	54.52	-23.55
3	.59325	26.54	Qp	0	0	10.1	36.64	56	-19.36	-	-
4	.59325	19.09	Ca	0	0	10.1	29.19	-	-	46	-16.81
5	1.55175	16.82	Qp	0	.1	10.1	27.02	56	-28.98	-	-
6	1.5585	10.55	Ca	0	.1	10.1	20.75	-	-	46	-25.25
7	7.31175	14.93	Qp	0	.1	10.2	25.23	60	-34.77	-	-
8	7.31175	10.3	Ca	0	.1	10.2	20.6	-	-	50	-29.4
9	16.1722	8.14	Qp	0	.2	10.3	18.64	60	-41.36	-	-
10	16.1767	6.09	Ca	0	.2	10.3	16.59	-	-	50	-33.41
11	23.1315	16.43	Qp	.1	.2	10.4	27.13	60	-32.87	-	-
12	23.1315	15.01	Ca	.1	.2	10.4	25.71	-	-	50	-24.29

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

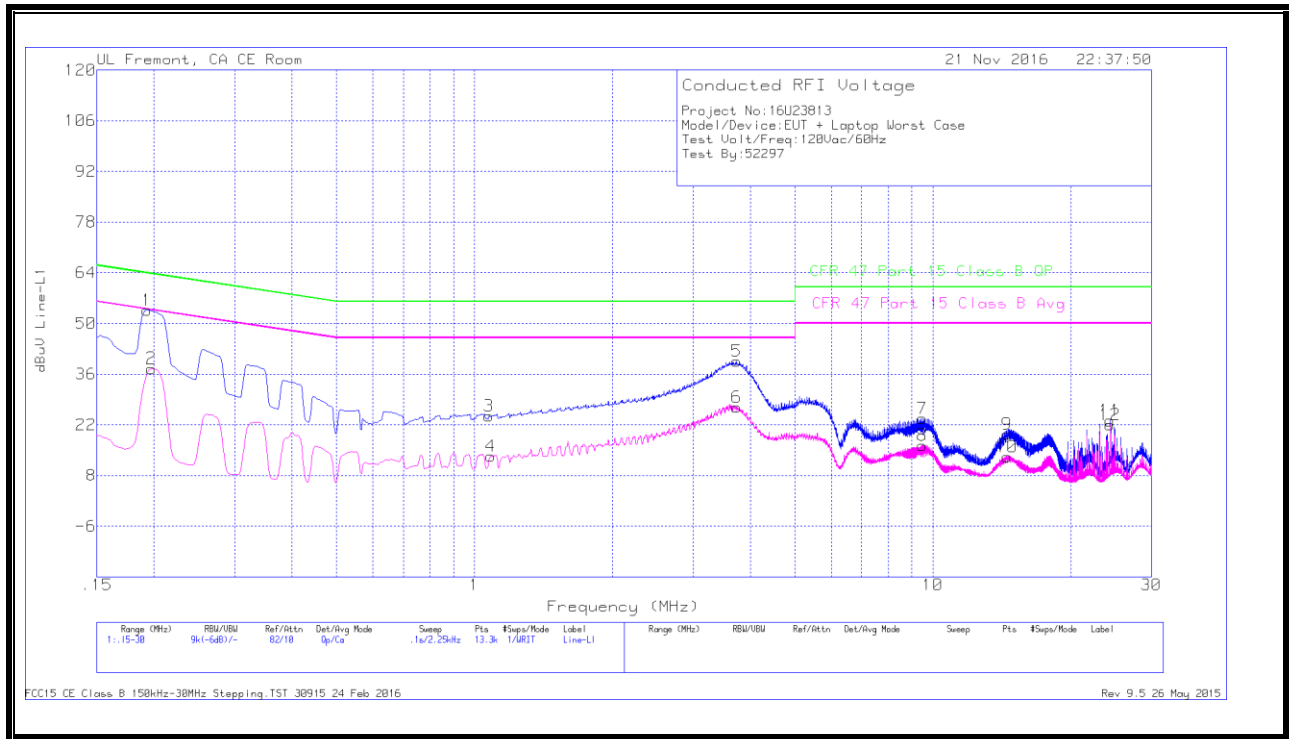
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.17925	28.12	Qp	0	0	10.1	38.22	64.52	-26.3	-	-
14	.17925	19.82	Ca	0	0	10.1	29.92	-	-	54.52	-24.6
15	.59775	22.52	Qp	0	0	10.1	32.62	56	-23.38	-	-
16	.6	12.75	Ca	0	0	10.1	22.85	-	-	46	-23.15
17	1.53825	5.34	Qp	0	.1	10.1	15.54	56	-40.46	-	-
18	1.56075	.77	Ca	0	.1	10.1	10.97	-	-	46	-35.03
19	7.22625	18.46	Qp	0	.1	10.2	28.76	60	-31.24	-	-
20	7.2195	13.7	Ca	0	.1	10.2	24	-	-	50	-26
21	16.1362	15.7	Qp	0	.2	10.3	26.2	60	-33.8	-	-
22	16.136	14.45	Ca	0	.2	10.3	24.95	-	-	50	-25.05
23	24.9022	14.83	Qp	.1	.3	10.5	25.73	60	-34.27	-	-
24	24.9022	10.91	Ca	.1	.3	10.5	21.81	-	-	50	-28.19

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.2. EUT POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS



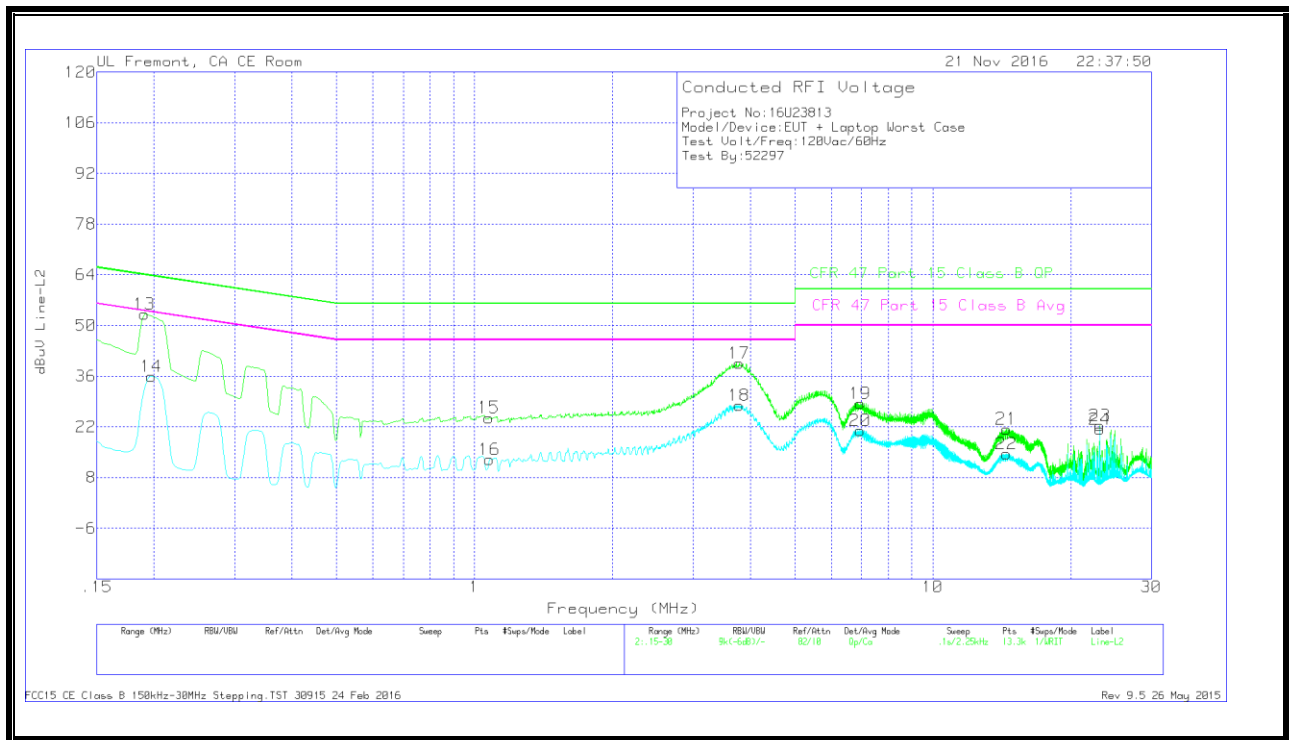
WORST EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables 1&3	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	.19275	43.57	Qp	0	0	10.1	53.67	63.92	-10.25	-	-
2	.19725	27.47	Ca	0	0	10.1	37.57	-	-	53.73	-16.16
3	1.07587	14.37	Qp	0	0	10.1	24.47	56	-31.53	-	-
4	1.086	3.21	Ca	0	0	10.1	13.31	-	-	46	-32.69
5	3.72975	29.33	Qp	0	.1	10.1	39.53	56	-16.47	-	-
6	3.73875	16.63	Ca	0	.1	10.1	26.83	-	-	46	-19.17
7	9.483	13.5	Qp	0	.1	10.2	23.8	60	-36.2	-	-
8	9.49425	6.06	Ca	0	.1	10.2	16.36	-	-	50	-33.64
9	14.5252	9.04	Qp	0	.2	10.2	19.44	60	-40.56	-	-
10	14.5275	2.72	Ca	0	.2	10.2	13.12	-	-	50	-36.88
11	24.3532	12.35	Qp	.1	.2	10.5	23.15	60	-36.85	-	-
12	24.3532	11.2	Ca	.1	.2	10.5	22	-	-	50	-28

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables 2&3	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	.1905	43.05	Qp	0	0	10.1	53.15	64.01	-10.86	-	-
14	.19725	25.89	Ca	0	0	10.1	35.99	-	-	53.73	-17.74
15	1.07475	14.33	Qp	0	.1	10.1	24.53	56	-31.47	-	-
16	1.07925	2.78	Ca	0	.1	10.1	12.98	-	-	46	-33.02
17	3.7815	29.36	Qp	0	.1	10.1	39.56	56	-16.44	-	-
18	3.7815	17.66	Ca	0	.1	10.1	27.86	-	-	46	-18.14
19	6.954	18.15	Qp	0	.1	10.2	28.45	60	-31.55	-	-
20	6.94725	10.66	Ca	0	.1	10.2	20.96	-	-	50	-29.04
21	14.4757	10.9	Qp	.1	.2	10.2	21.4	60	-38.6	-	-
22	14.4735	4.11	Ca	.1	.2	10.2	14.61	-	-	50	-35.39
23	23.1315	11.67	Qp	.1	.2	10.4	22.37	60	-37.63	-	-
24	23.1315	10.68	Ca	.1	.2	10.4	21.38	-	-	50	-28.62

Qp - Quasi-Peak detector

Ca - CISPR average detection