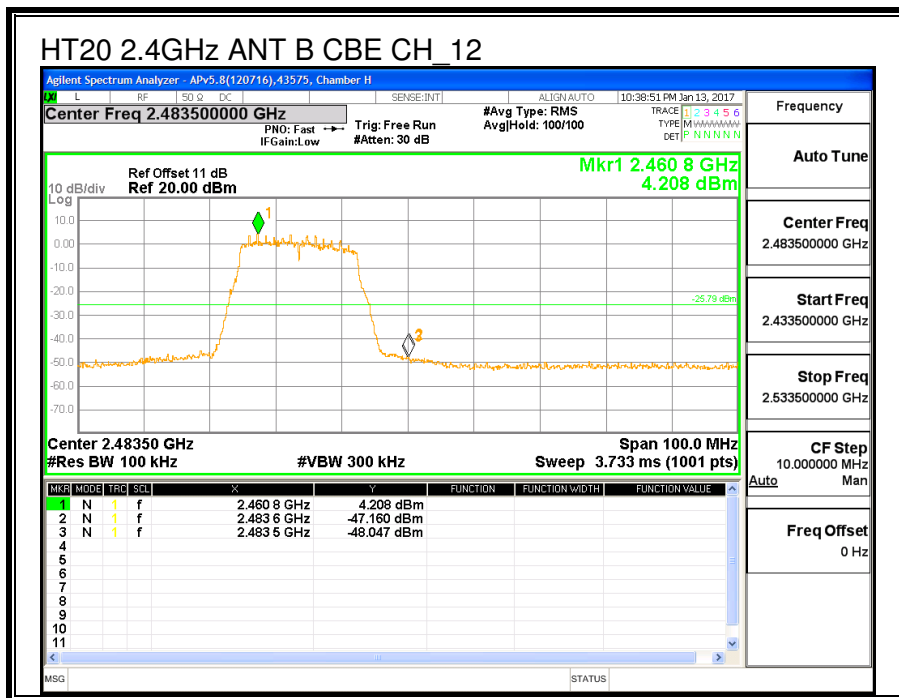
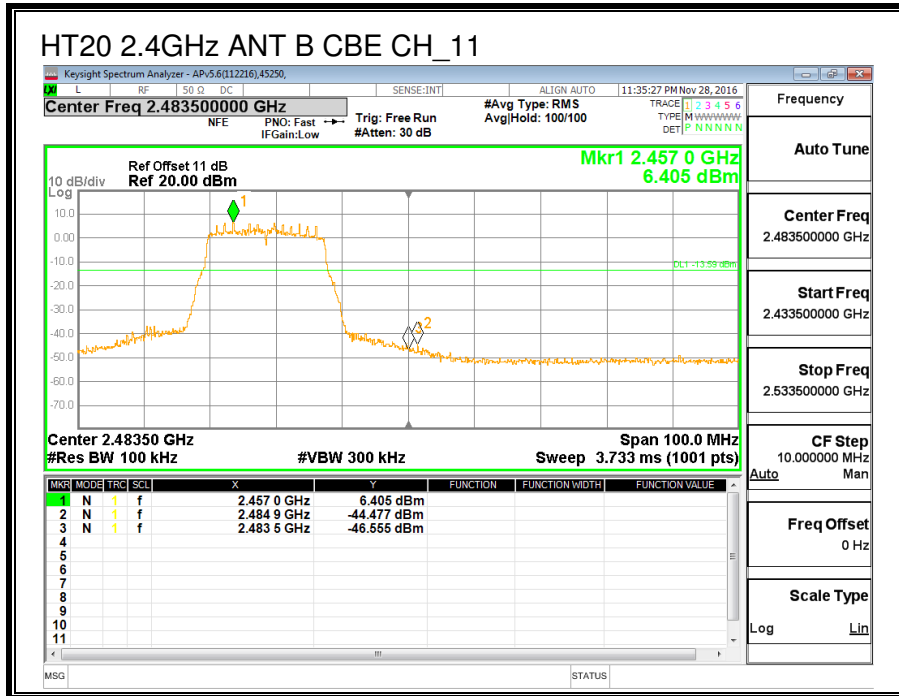
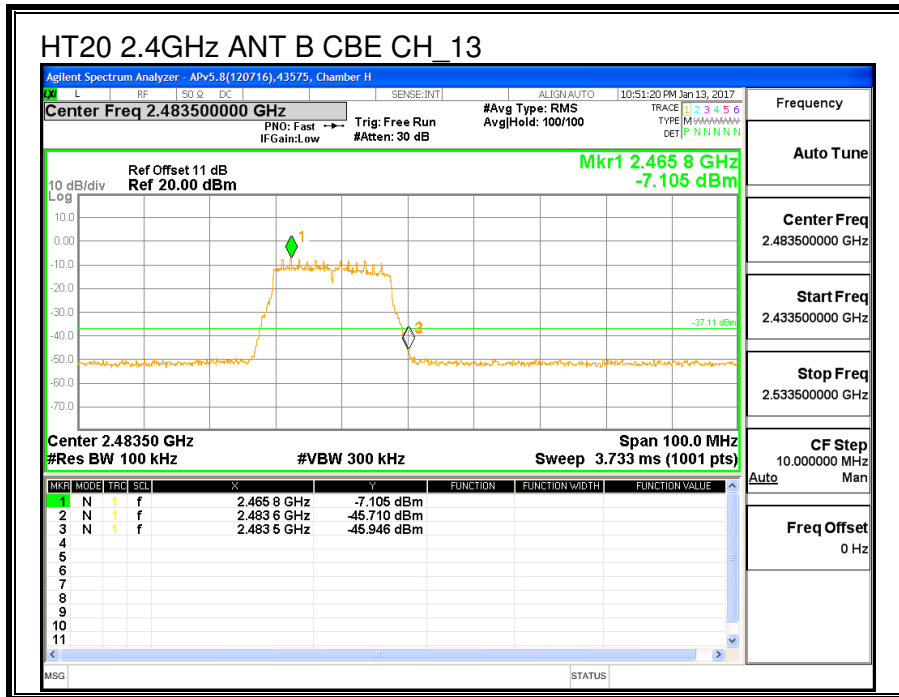
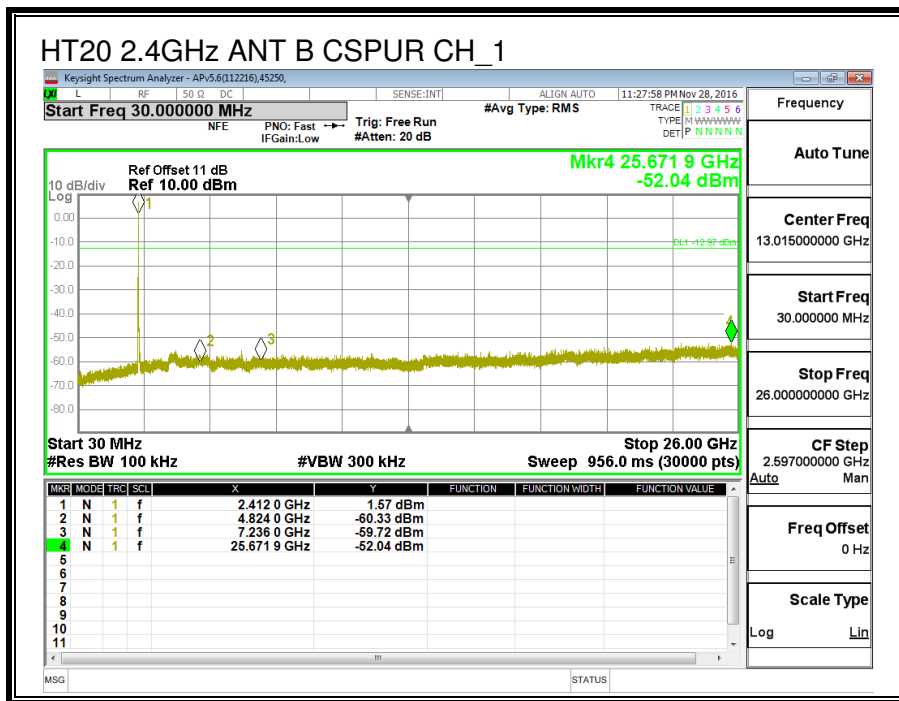


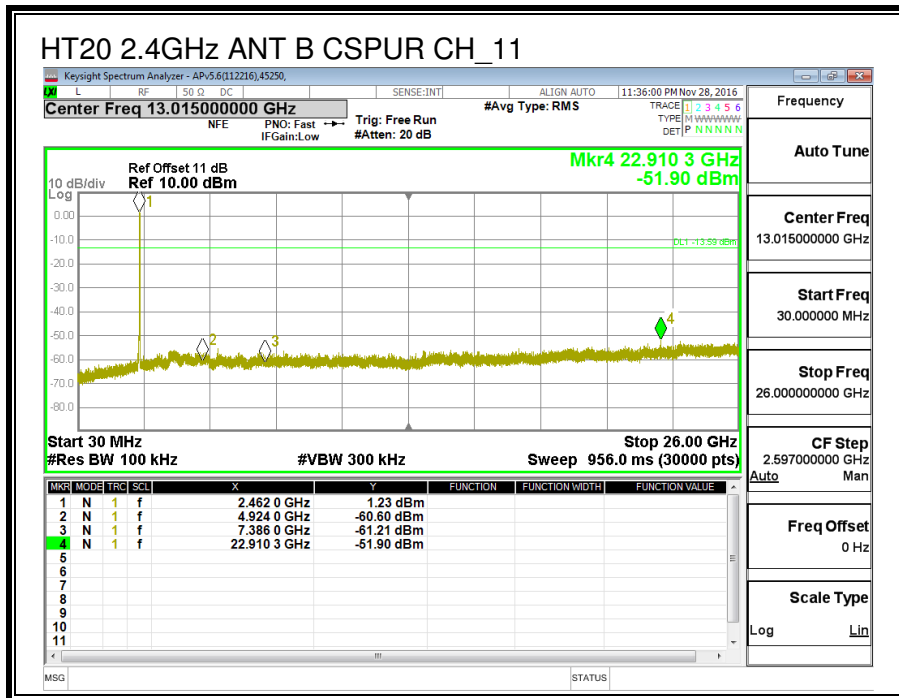
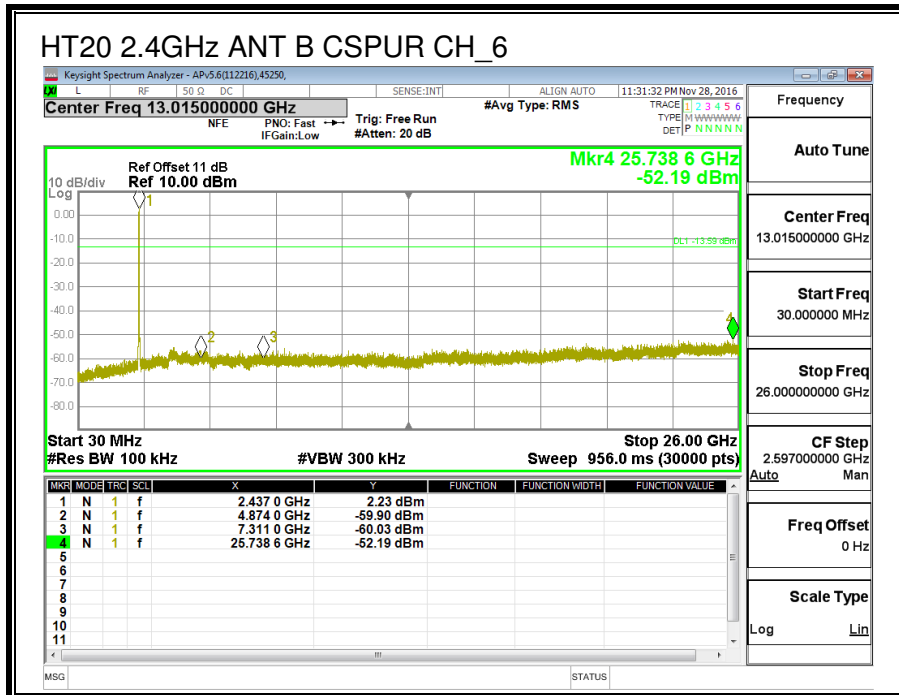
HIGH CHANNEL BANDEDGE

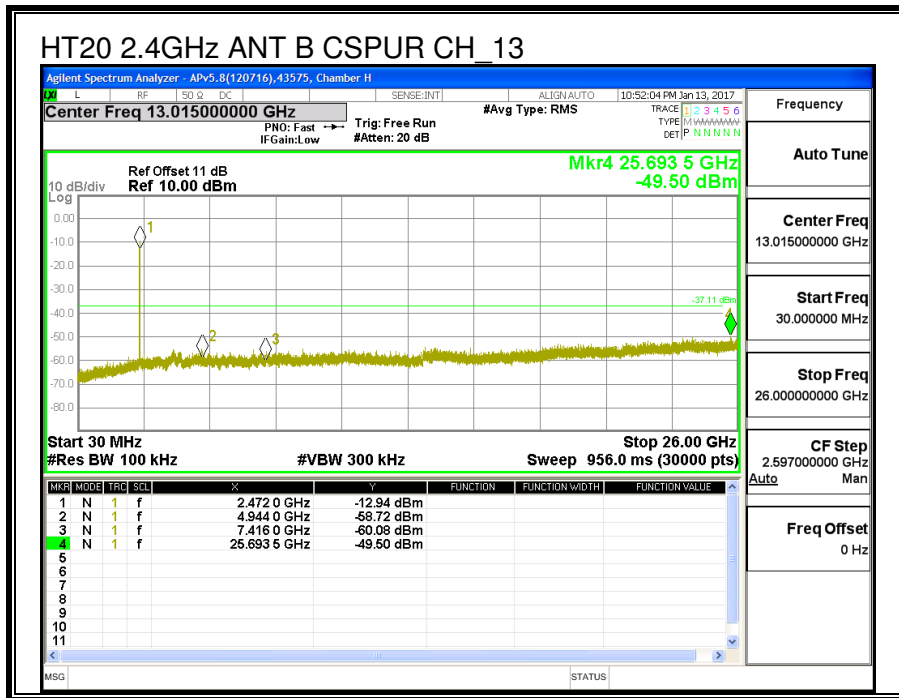
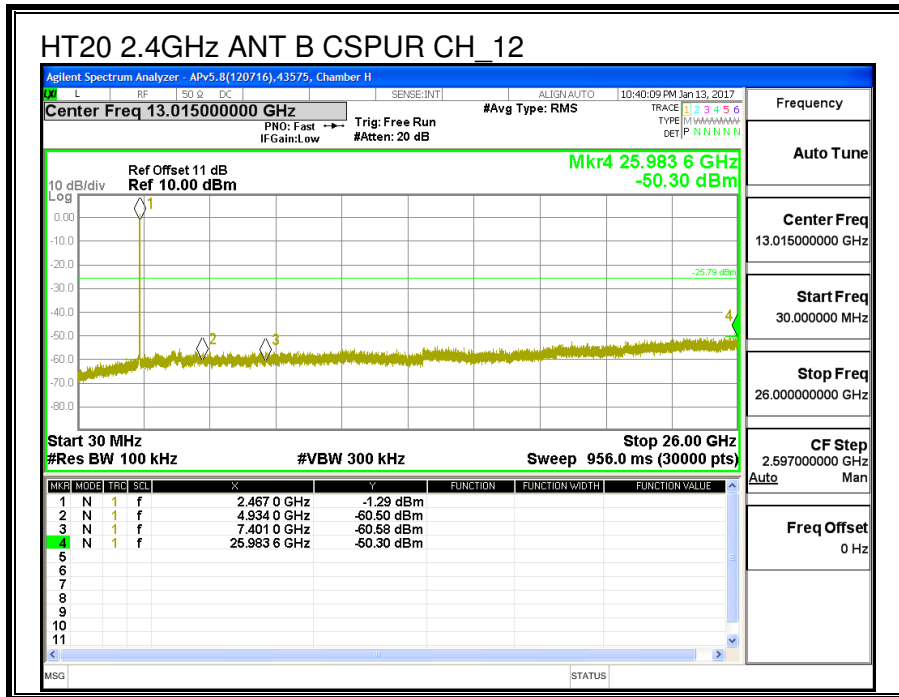




OUT-OF-BAND EMISSIONS







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

8.5.1. 6 dB BANDWIDTH

LIMITS

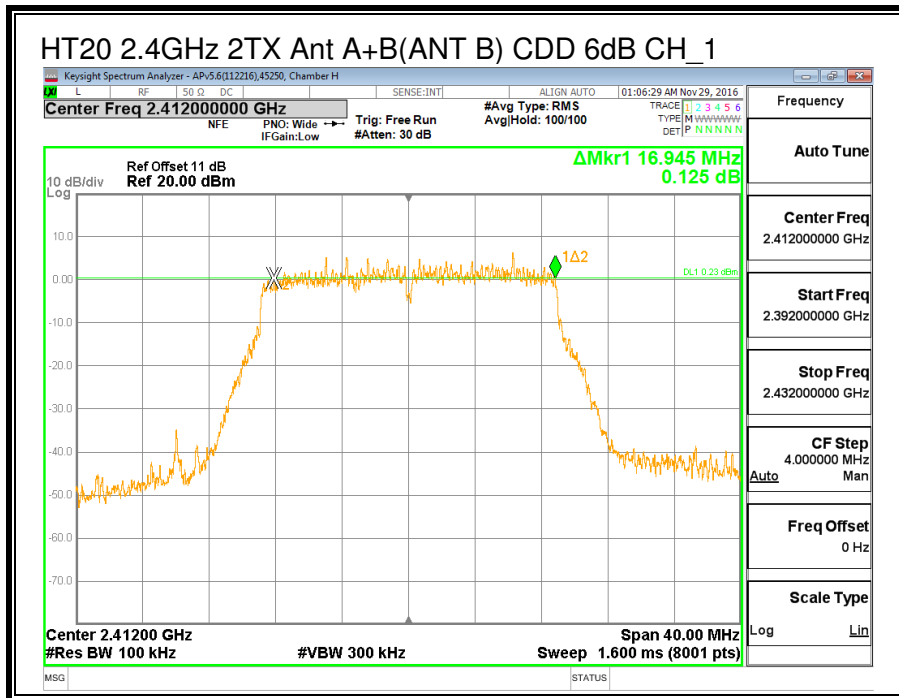
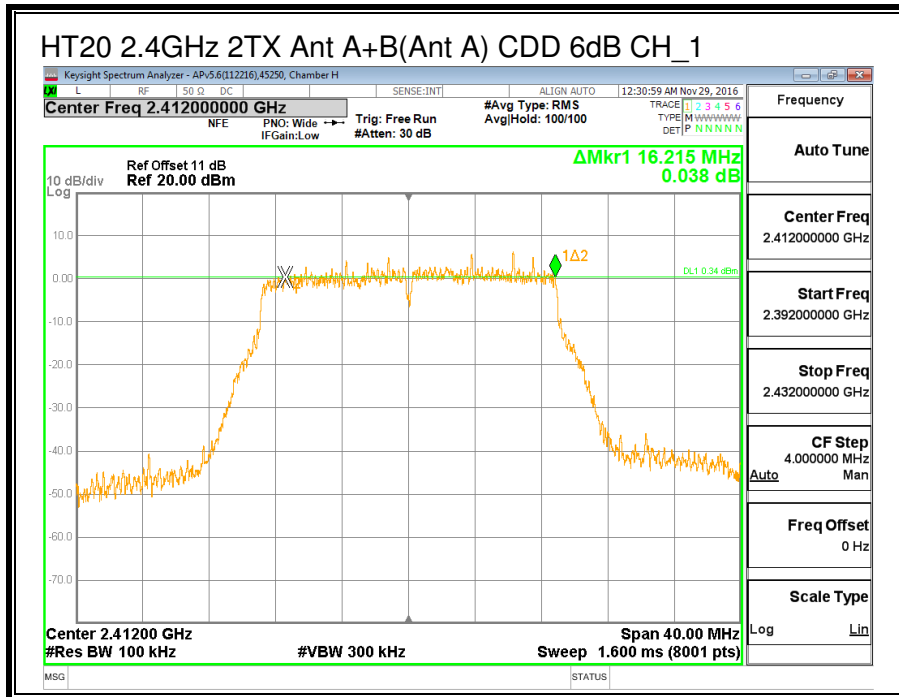
FCC §15.247 (a) (2)

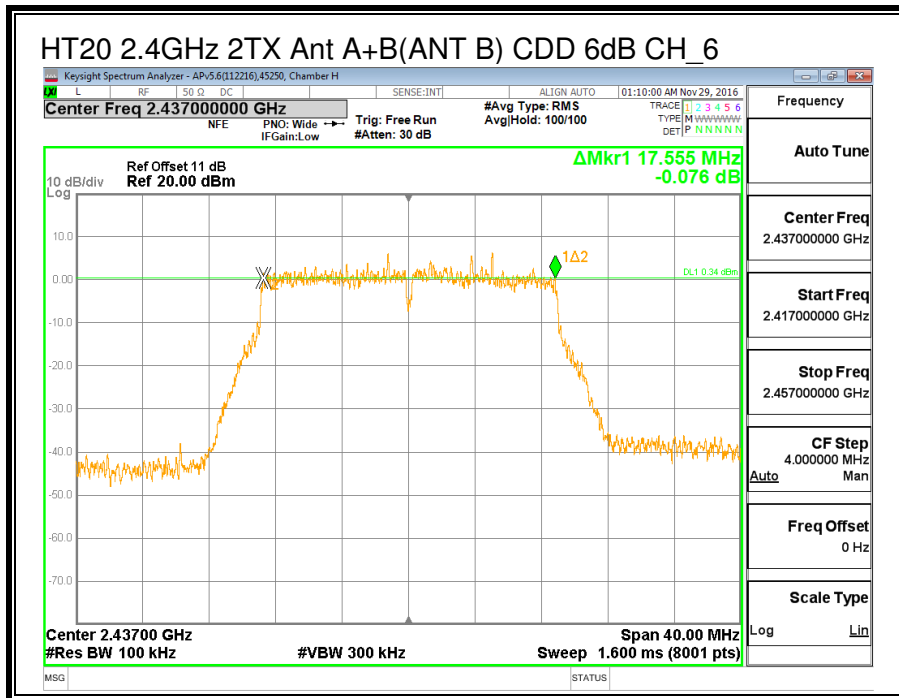
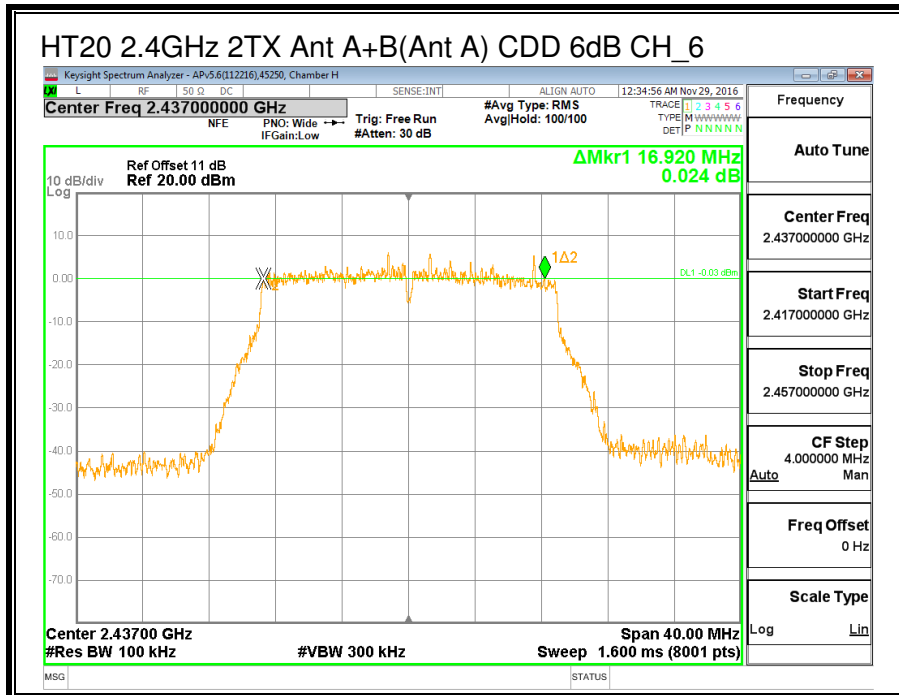
IC RSS-247 (5.2) (1)

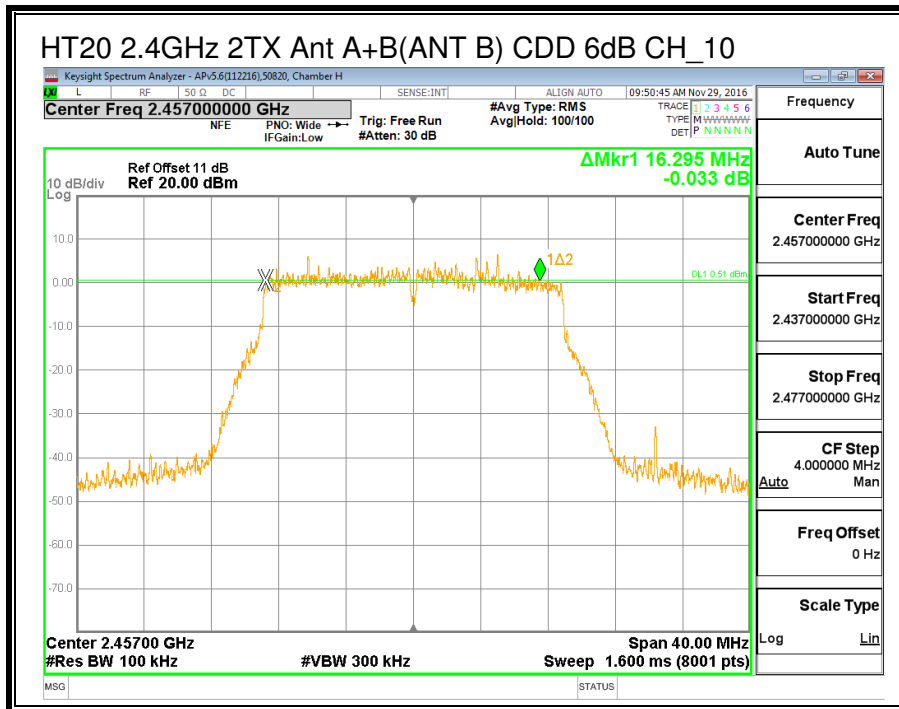
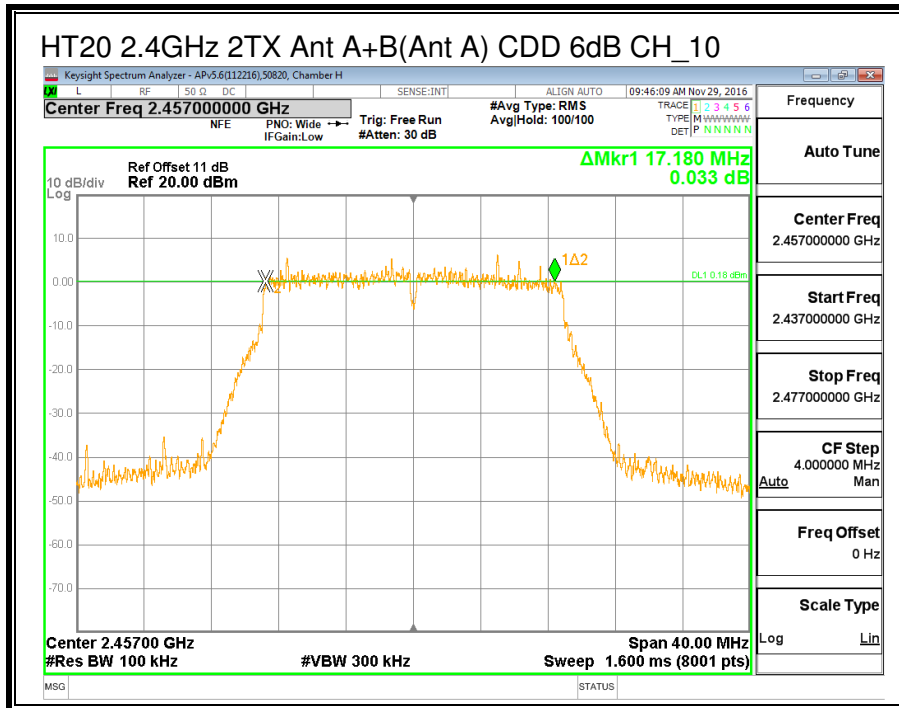
The minimum 6 dB bandwidth shall be at least 500 kHz.

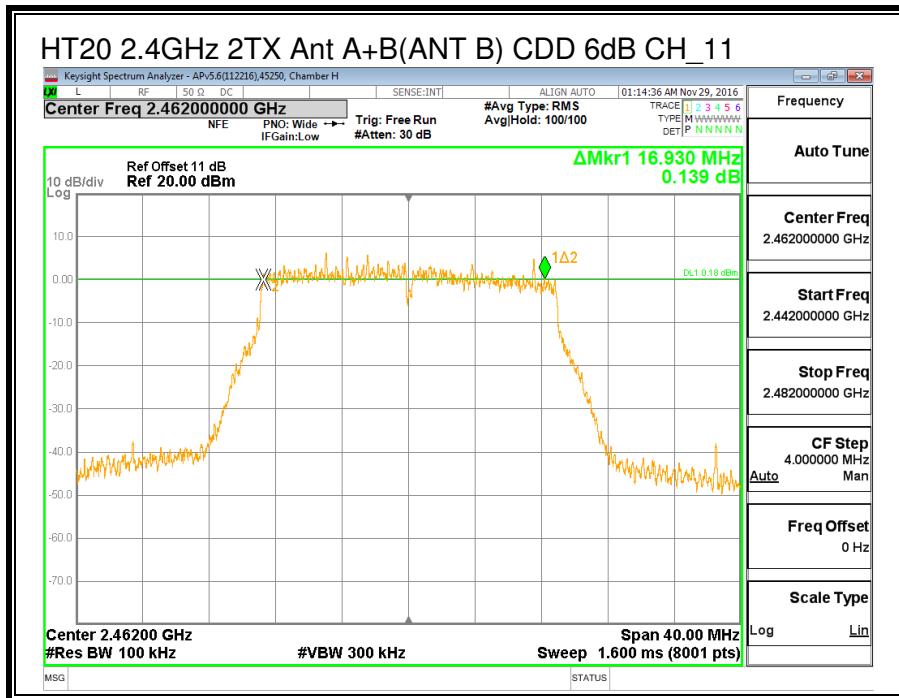
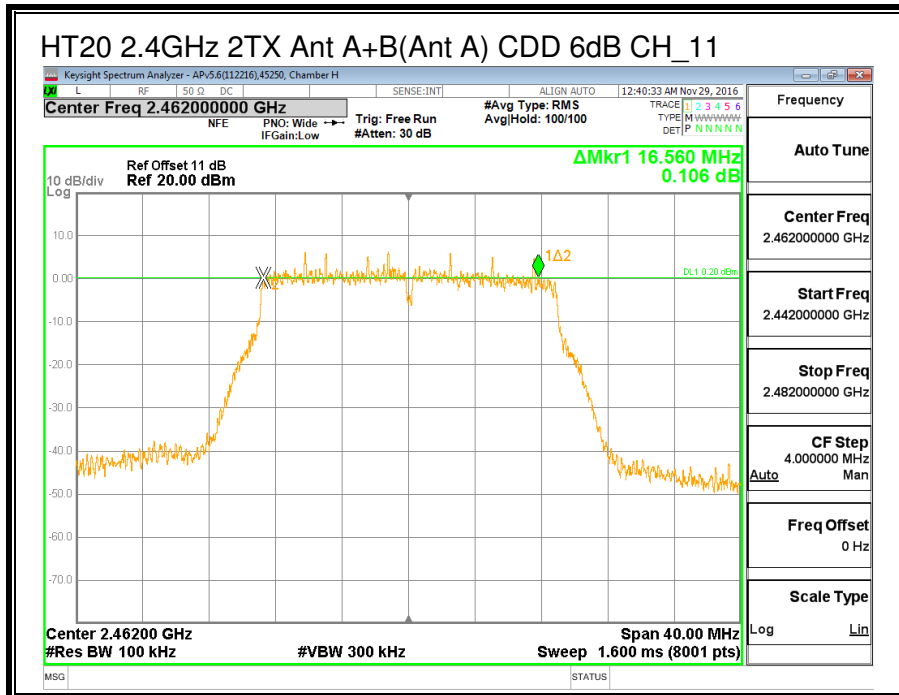
RESULTS

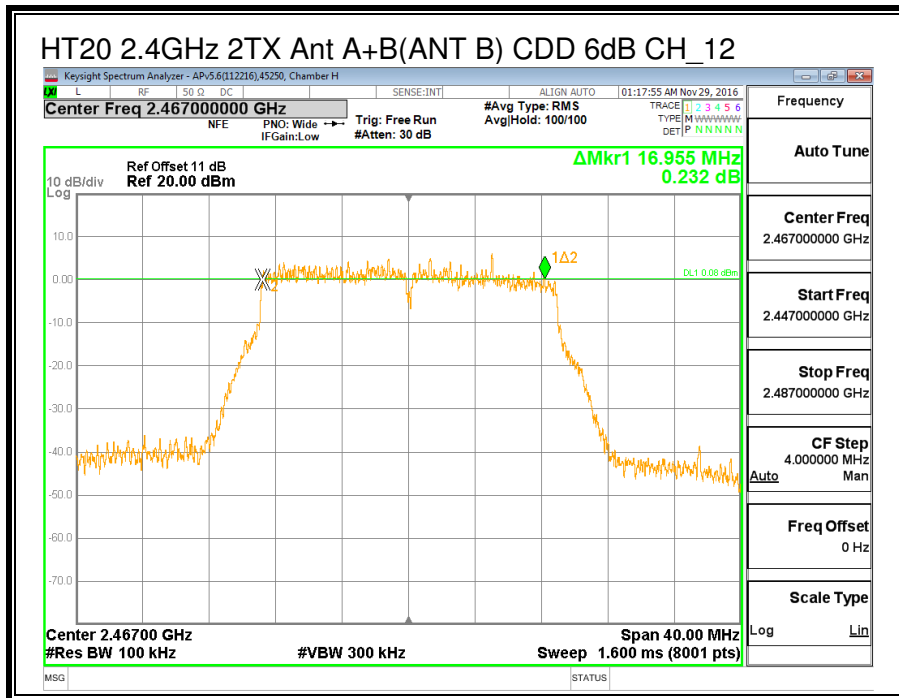
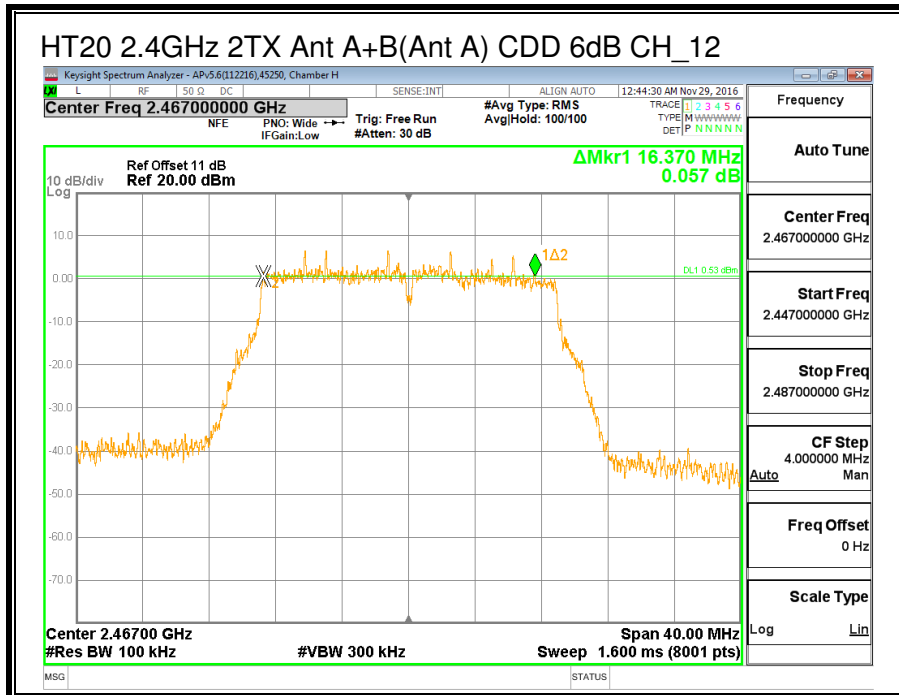
Channel	Frequency	6 dB BW Ant A (MHz)	6 dB BW ANT B (MHz)	Minimum Limit (MHz)
Low_1	2412	16.215	16.945	0.5
Middle_6	2437	16.920	17.555	0.5
High_10	2457	17.180	16.295	0.5
High_11	2462	16.560	16.930	0.5
High_12	2467	16.370	16.955	0.5
High_13	2472	17.180	17.550	0.5

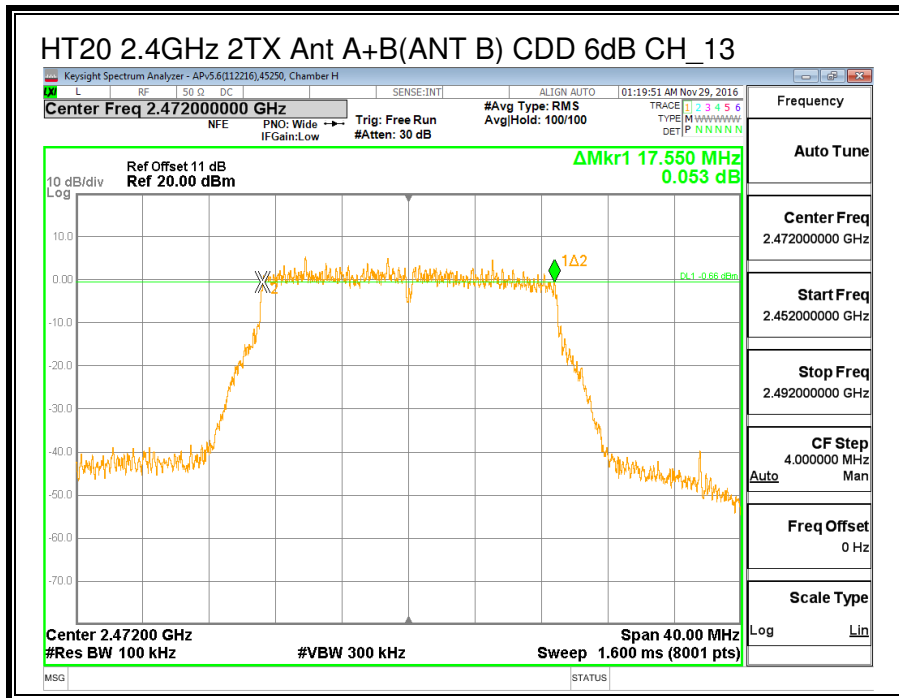
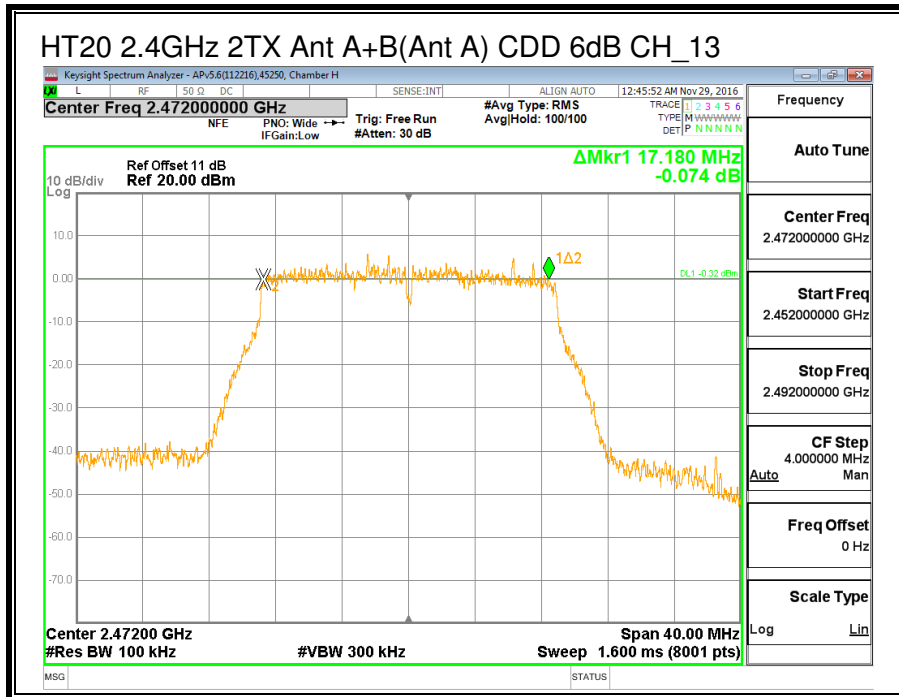












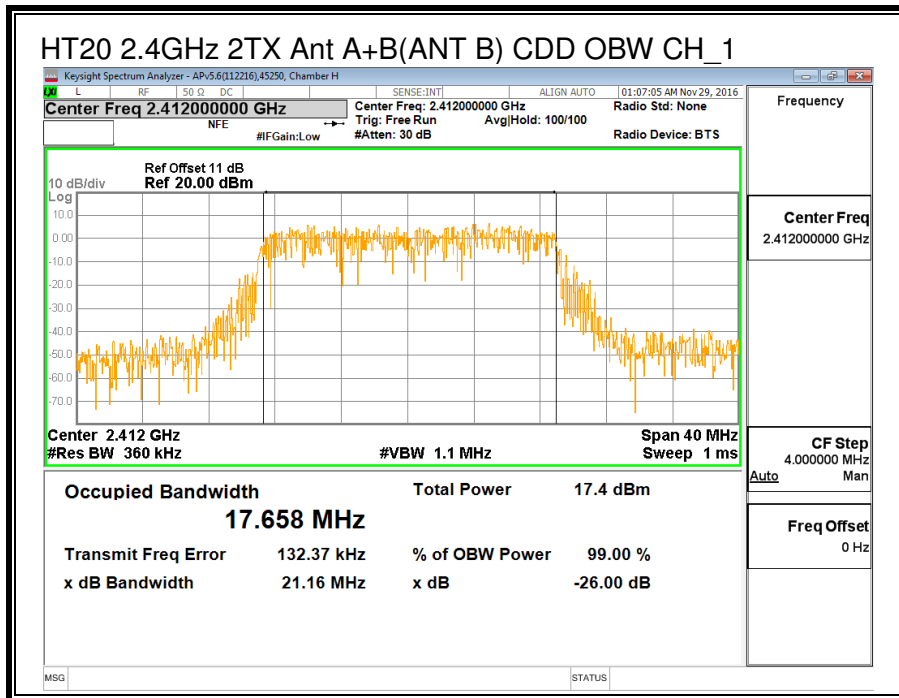
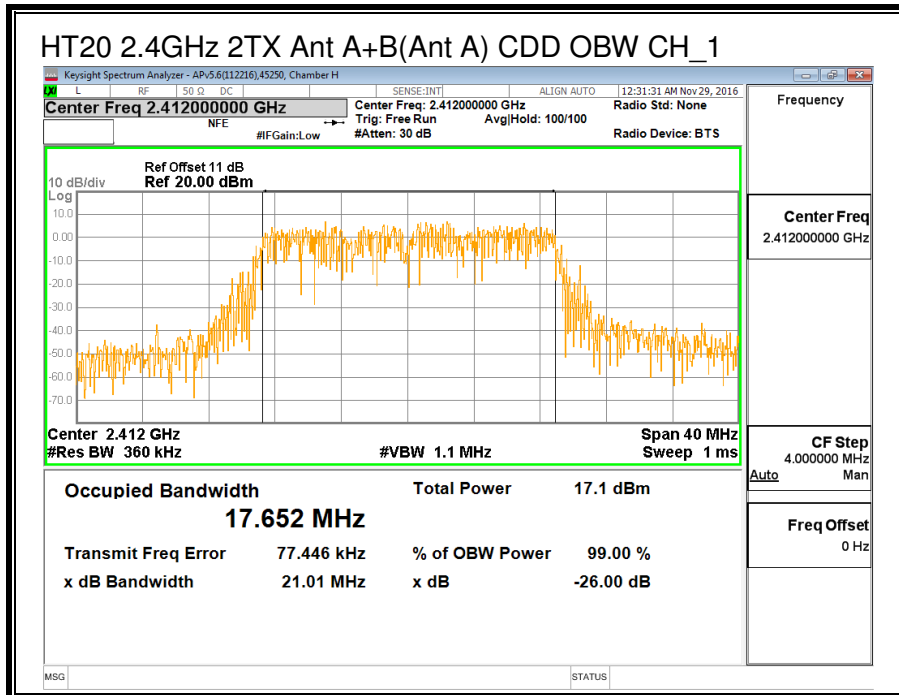
8.5.2. 99% BANDWIDTH

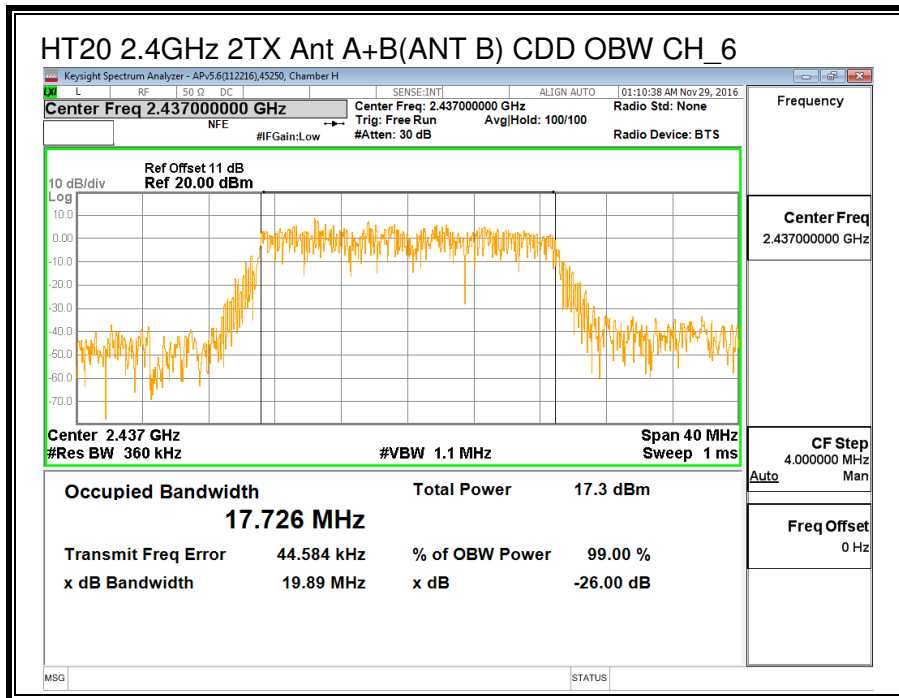
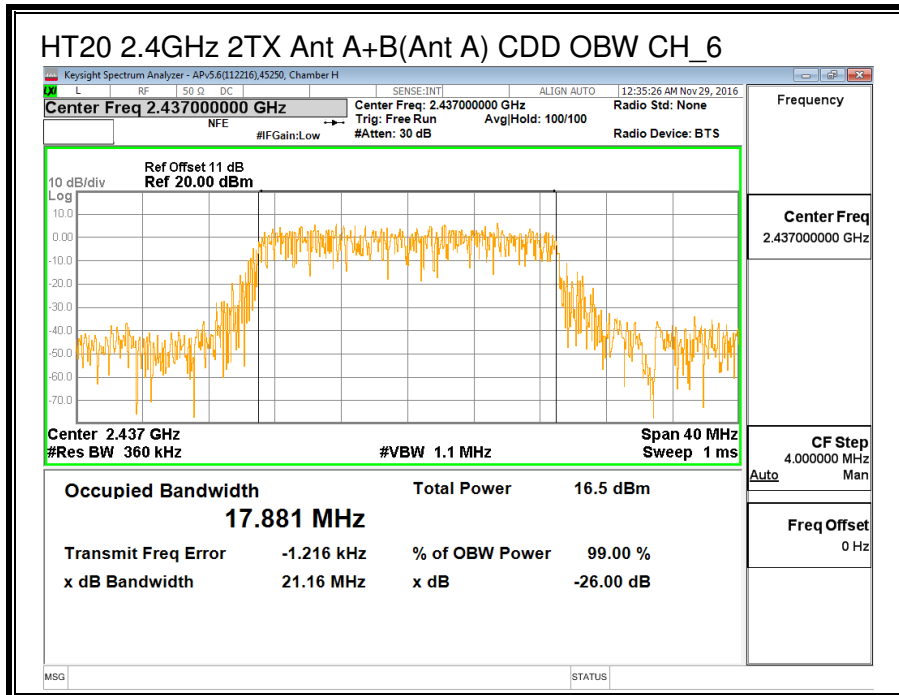
LIMITS

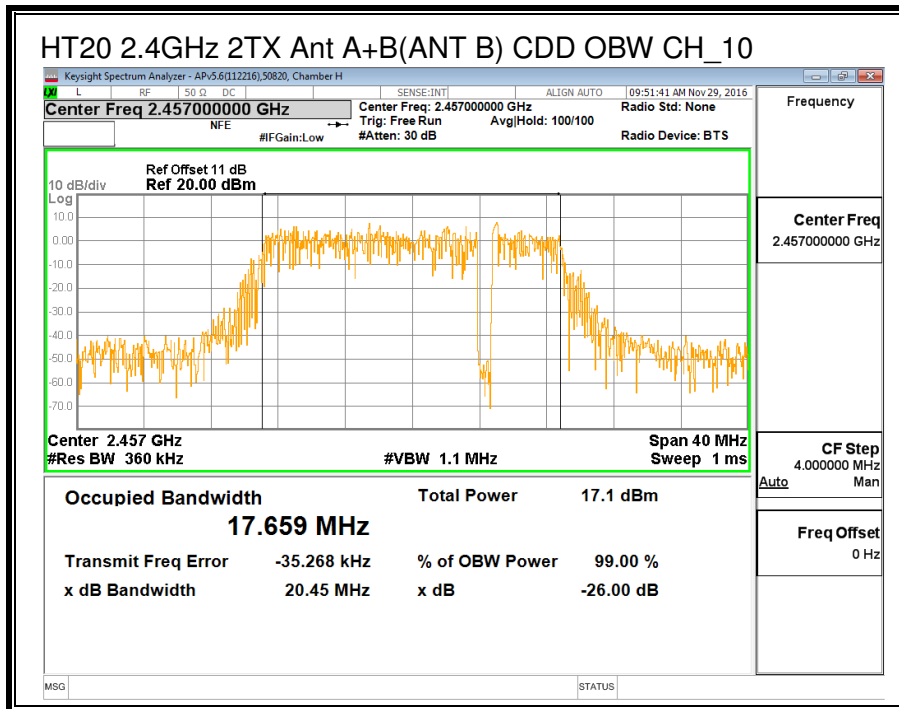
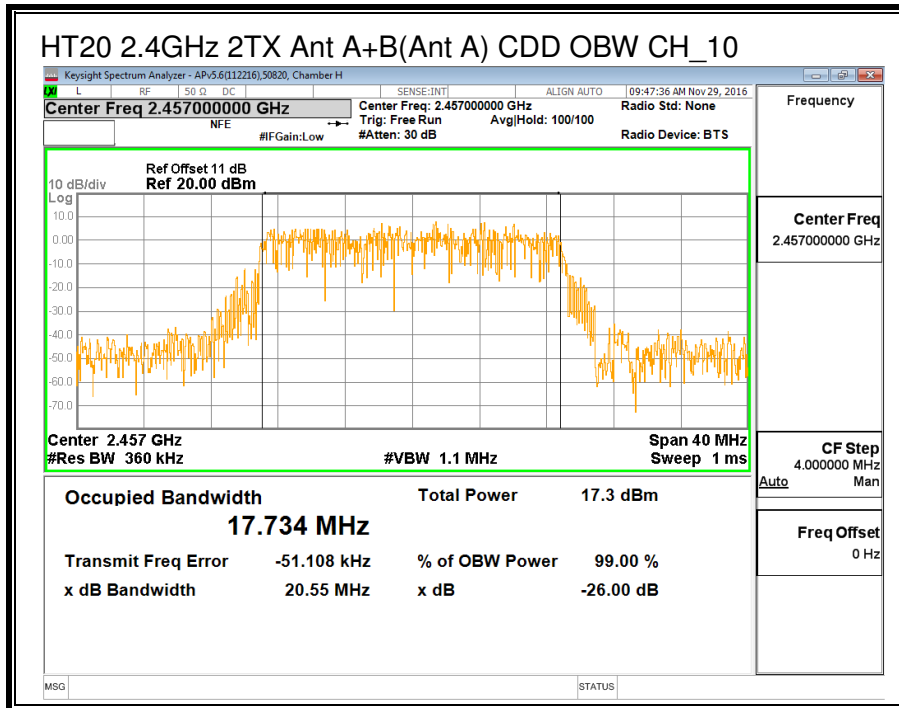
None; for reporting purposes only.

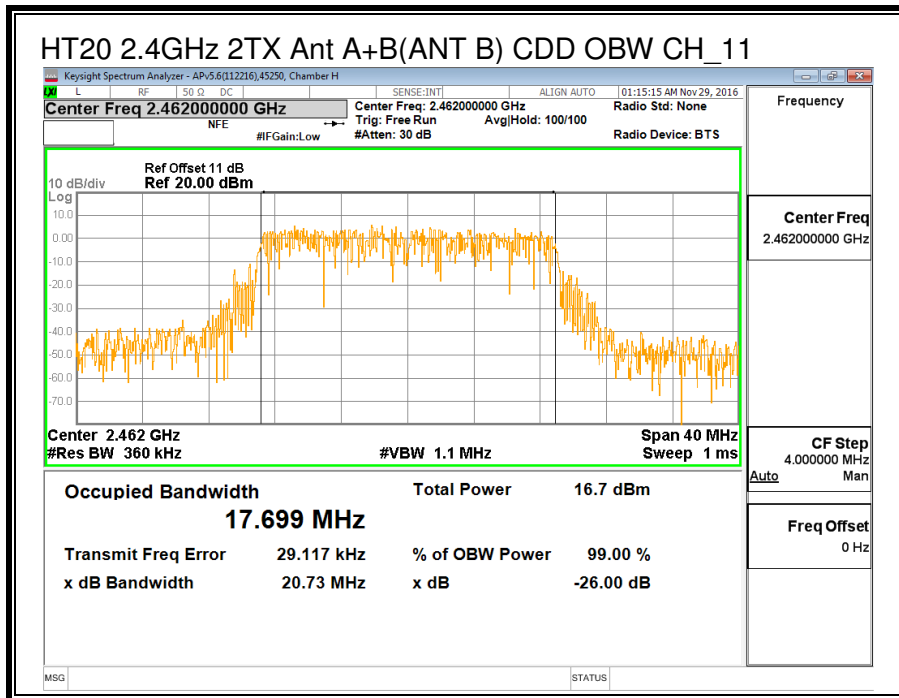
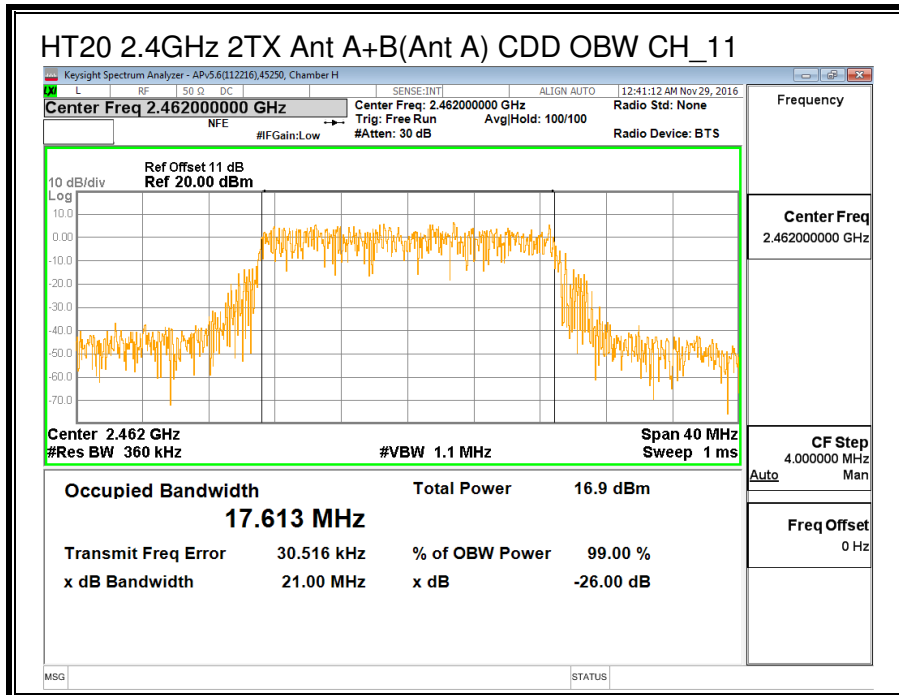
RESULTS

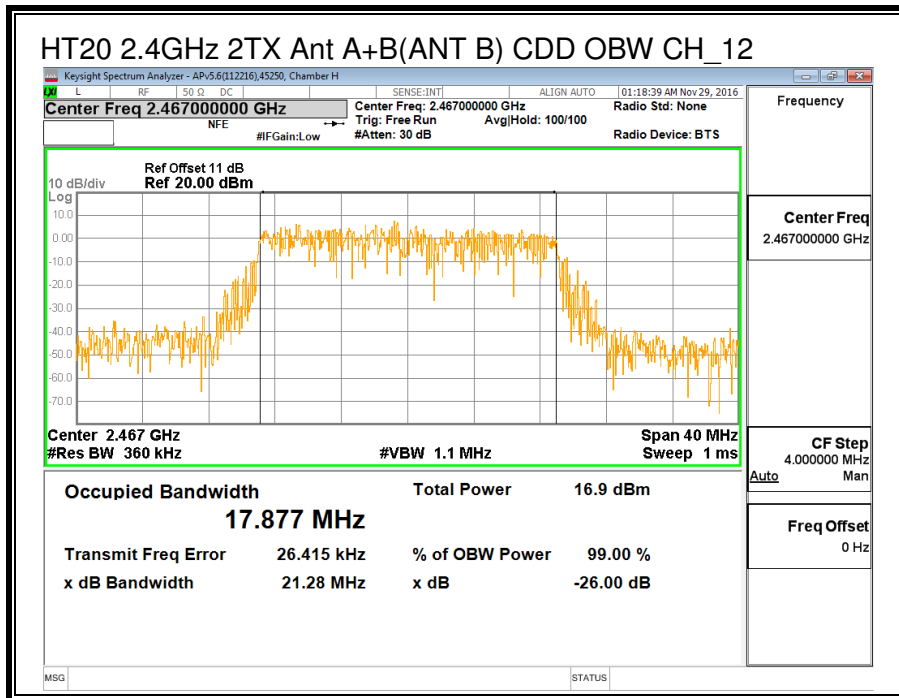
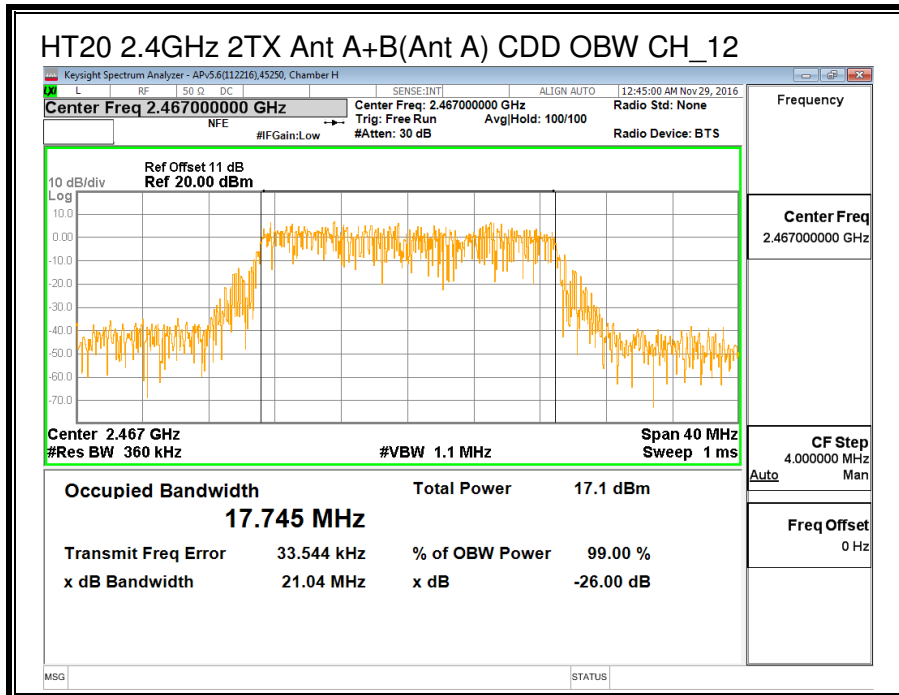
Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth ANT B (MHz)
Low_1	2412	17.652	17.658
Middle_6	2437	17.881	17.726
High_10	2457	17.734	17.659
High_11	2462	17.613	17.699
High_12	2467	17.745	17.877
High_13	2472	17.713	17.929

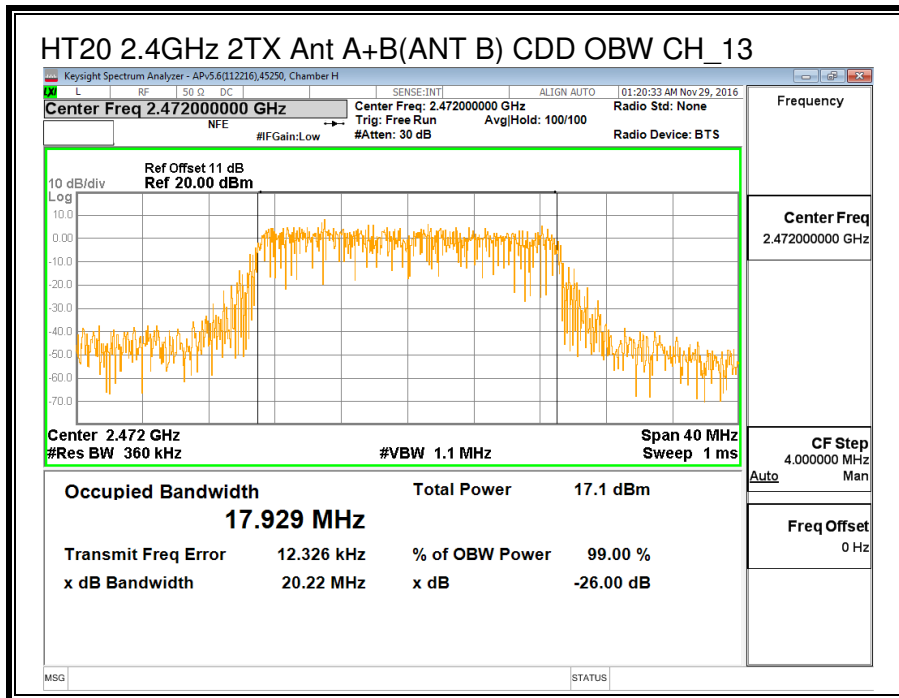
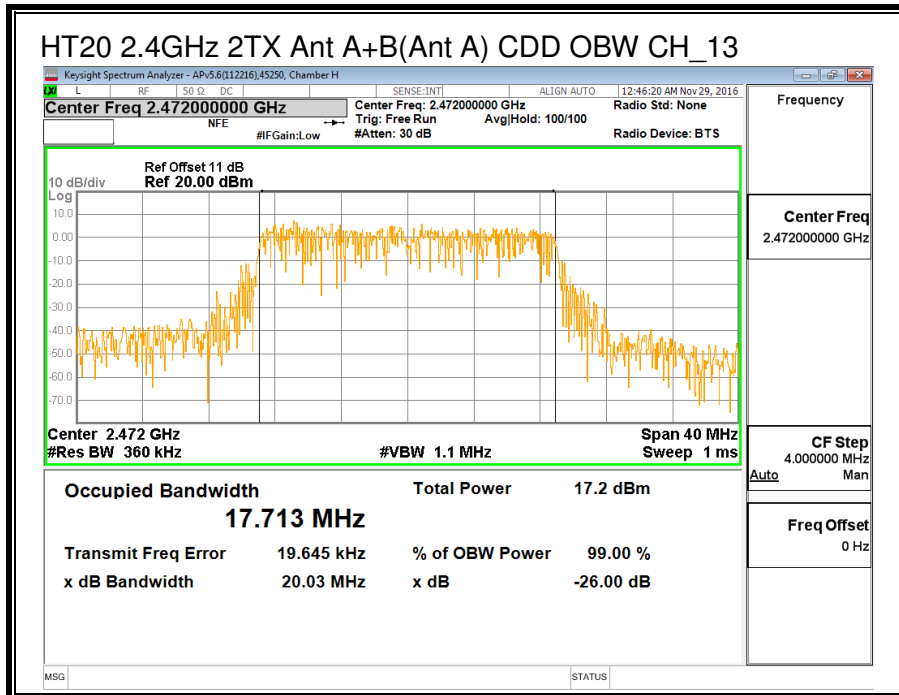












8.5.3. AVERAGE POWER

ID:	38602	Date:	2-2-2017
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LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	Power Ant A (MHz)	Power ANT B (MHz)
Low_1	2412	13.84	13.71
Middle_6	2437	15.97	15.85
High_10	2457	15.77	15.98
High_11	2462	12.48	12.47
High_12	2467	9.92	9.72
High_13	2472	-0.03	-0.03

8.5.4. OUTPUT POWER

ID:	38602	Date:	2-2-2017
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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:

Ant A	Ant B	Uncorrelated Chains
Gain	Gain	Directional
(dBi)	(dBi)	Gain
		(dBi)
-0.48	-0.99	-0.73

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	-0.73	30.00	30	36	30.00
Mid	2437	-0.73	30.00	30	36	30.00
High_10	2457	-0.73	30.00	30	36	30.00
High_11	2462	-0.73	30.00	30	36	30.00
High_12	2467	-0.73	30.00	30	36	30.00
High_13	2472	-0.73	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)	Ant A Meas Power (dBm)	Ant B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low	2412	17.11	17.80	20.48	30.00	-9.52
Mid	2437	19.13	19.03	22.09	30.00	-7.91
High_10	2457	19.04	19.02	22.04	30.00	-7.96
High_11	2462	15.62	15.53	18.59	30.00	-11.41
High_12	2467	13.15	13.11	16.14	30.00	-13.86
High_13	2472	3.17	3.12	6.16	30.00	-23.84

8.5.5. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247

IC RSS-247 (5.2) (2)

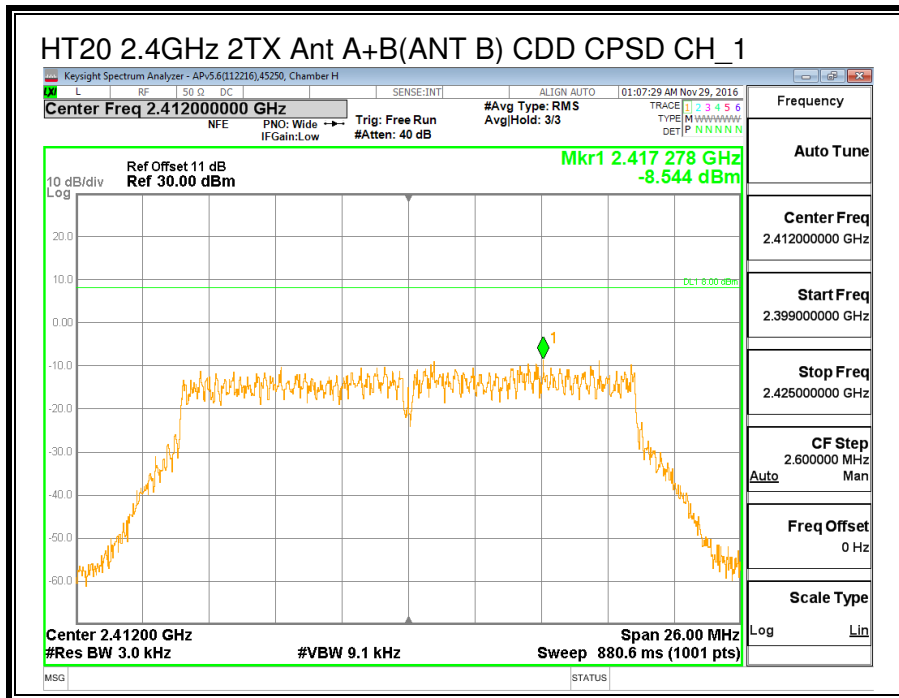
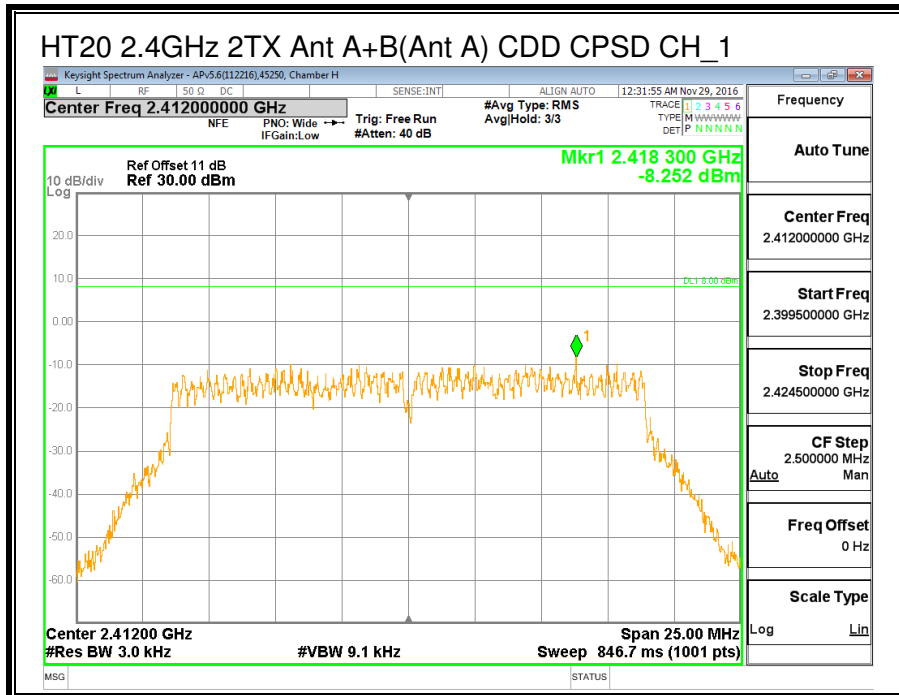
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 KHz band during any time interval of continuous transmissions.

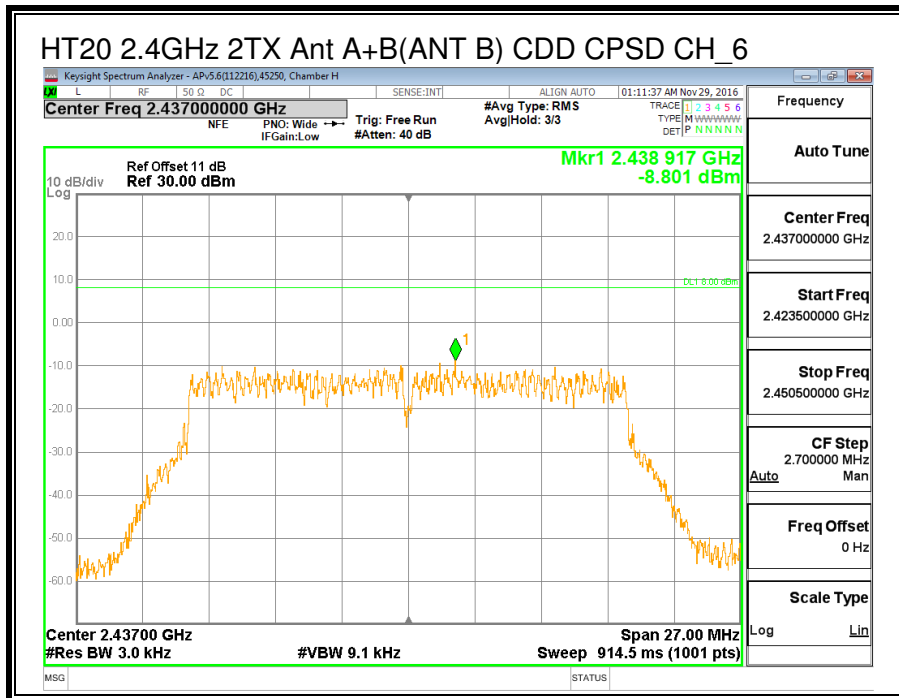
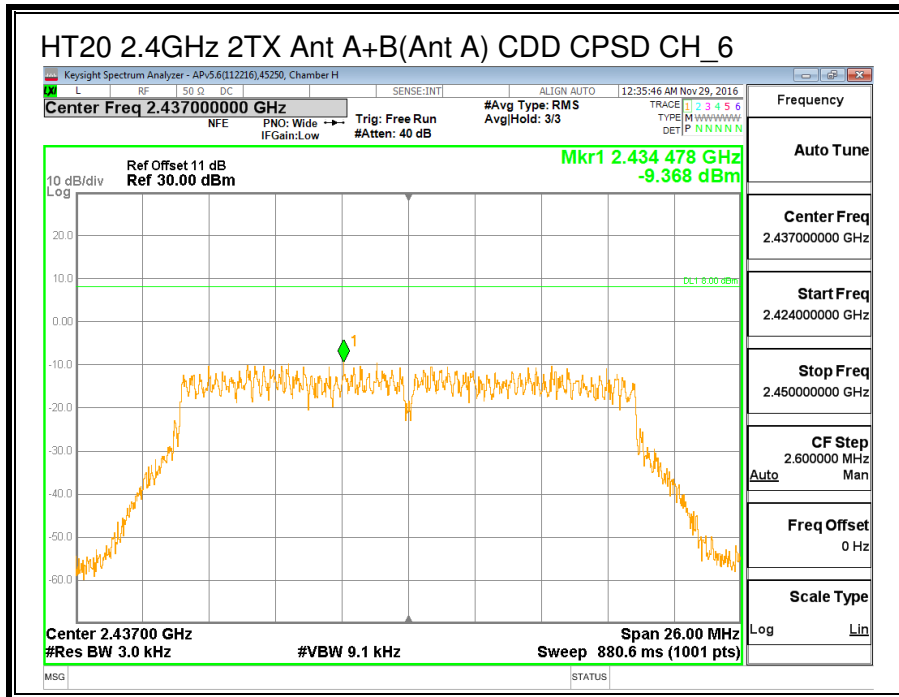
RESULTS

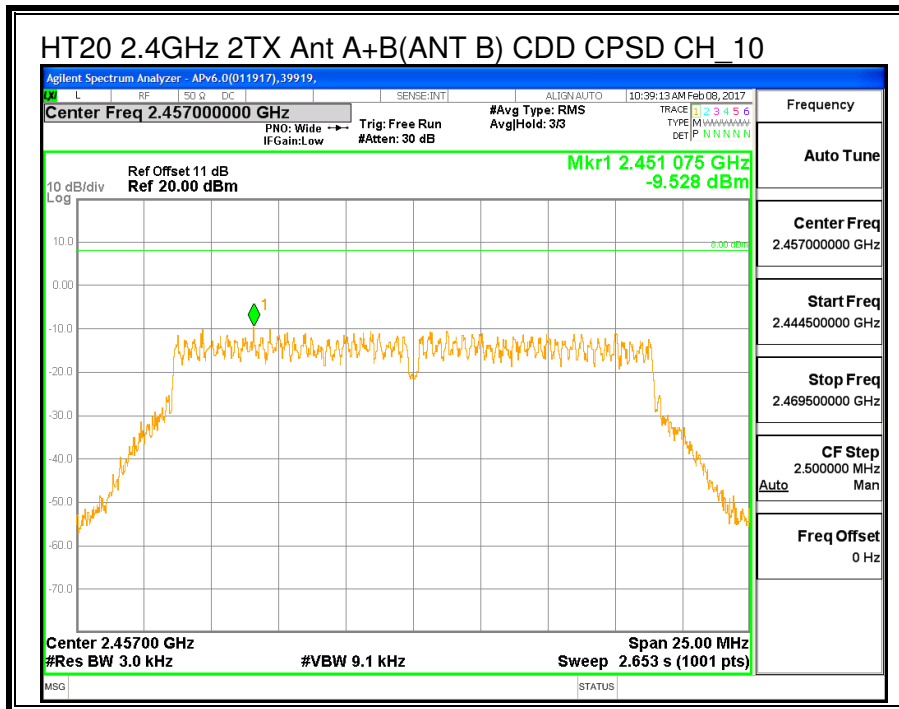
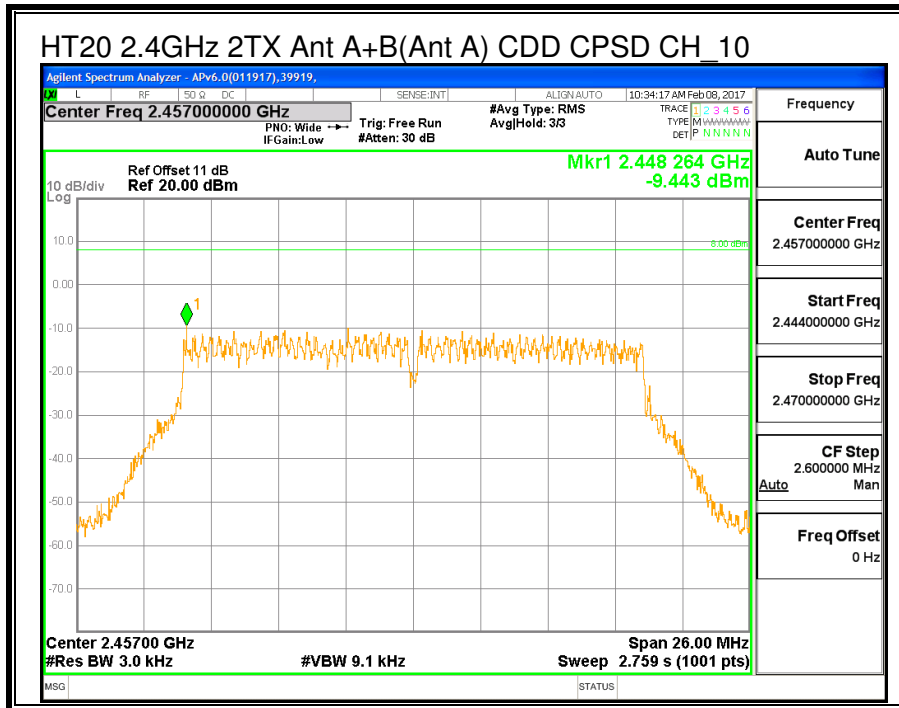
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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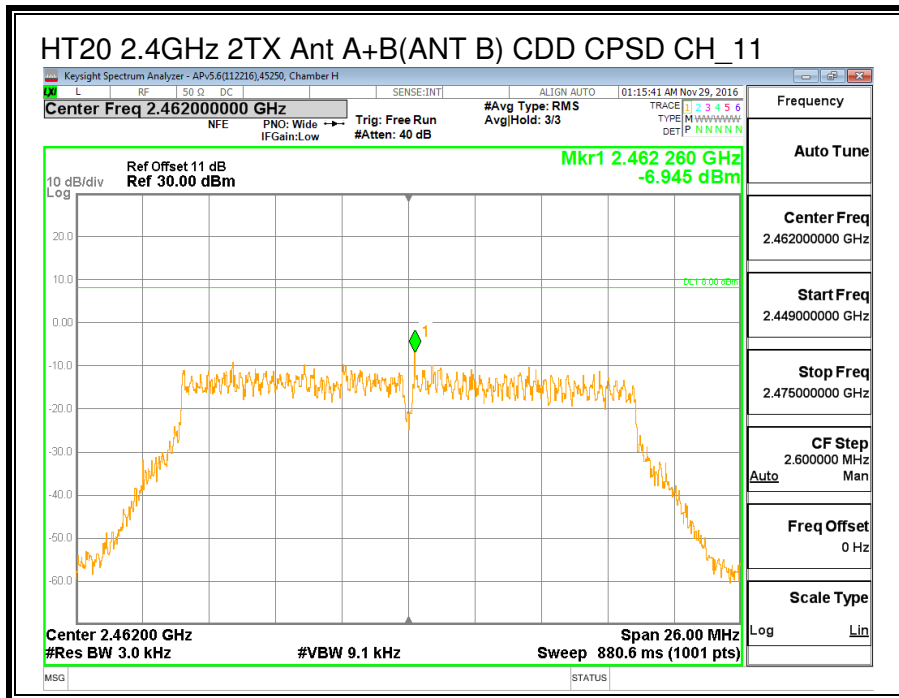
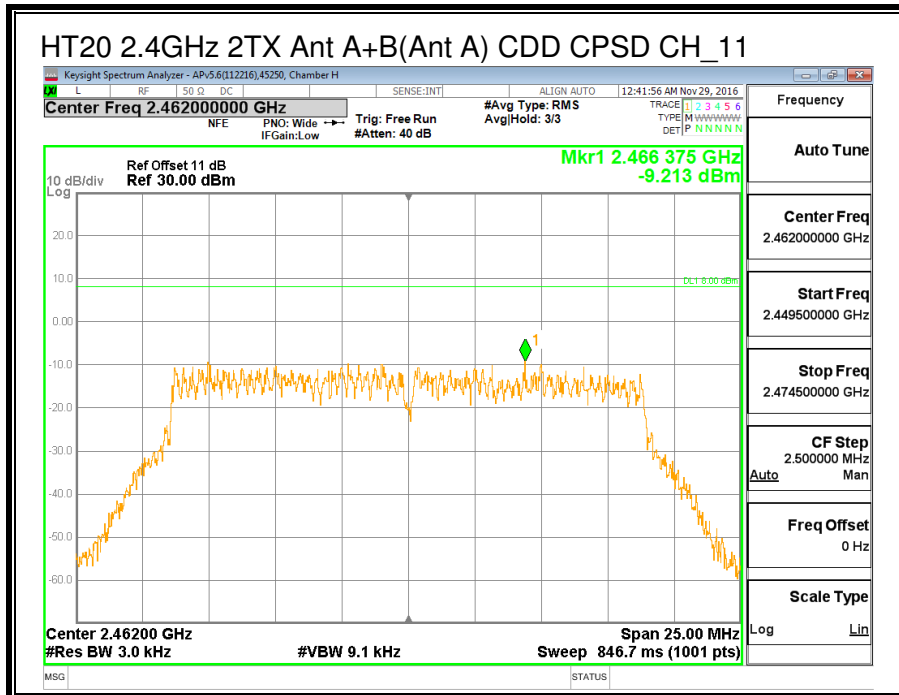
PSD Results

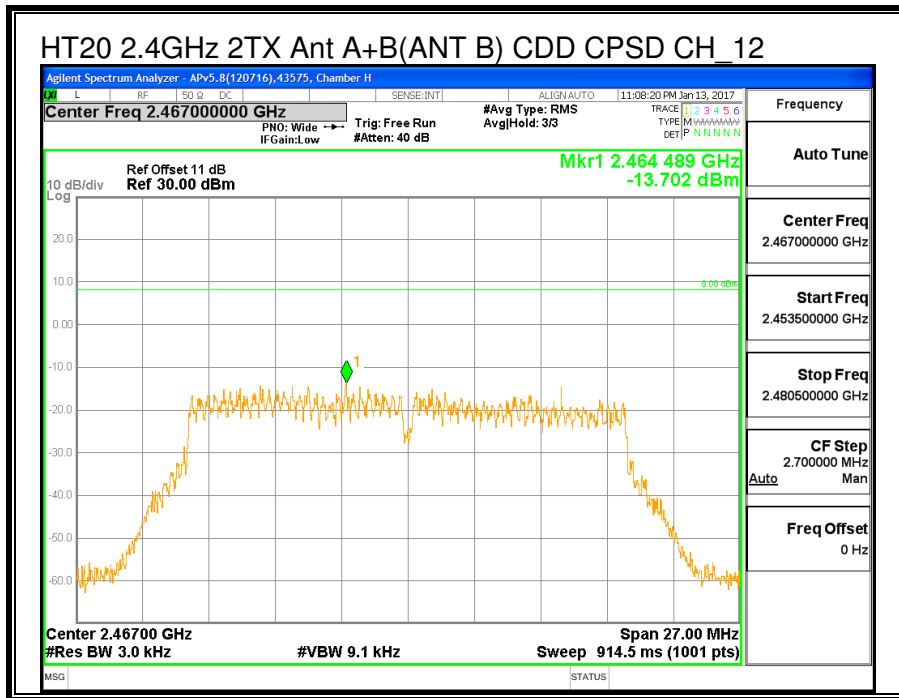
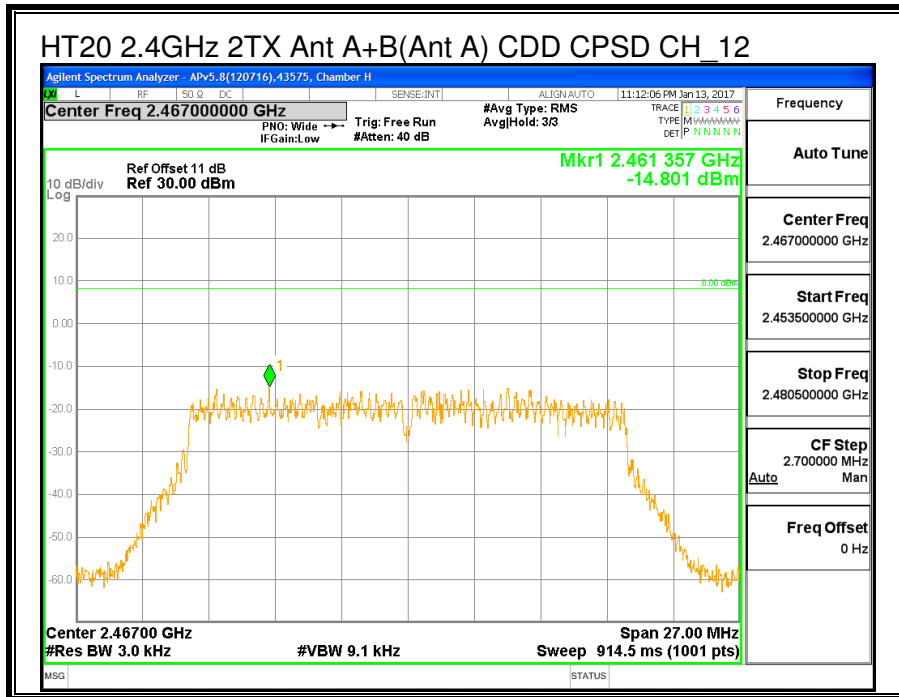
Channel	Frequency (MHz)	Ant A Meas (dBm)	Ant B Meas (dBm)	Total Corr'd PSD (dBm)	Limit (dBm)	Margin (dB)
Low	2412	-8.252	-8.544	-5.39	8.0	-13.4
Mid	2437	-9.368	-8.801	-6.06	8.0	-14.1
High_10	2457	-9.443	-9.520	-6.47	8.0	-14.5
High_11	2462	-9.213	-6.945	-4.92	8.0	-12.9
High_12	2467	-14.801	-13.702	-11.21	8.0	-19.2
High_13	2472	-23.565	-22.606	-20.05	8.0	-28.0

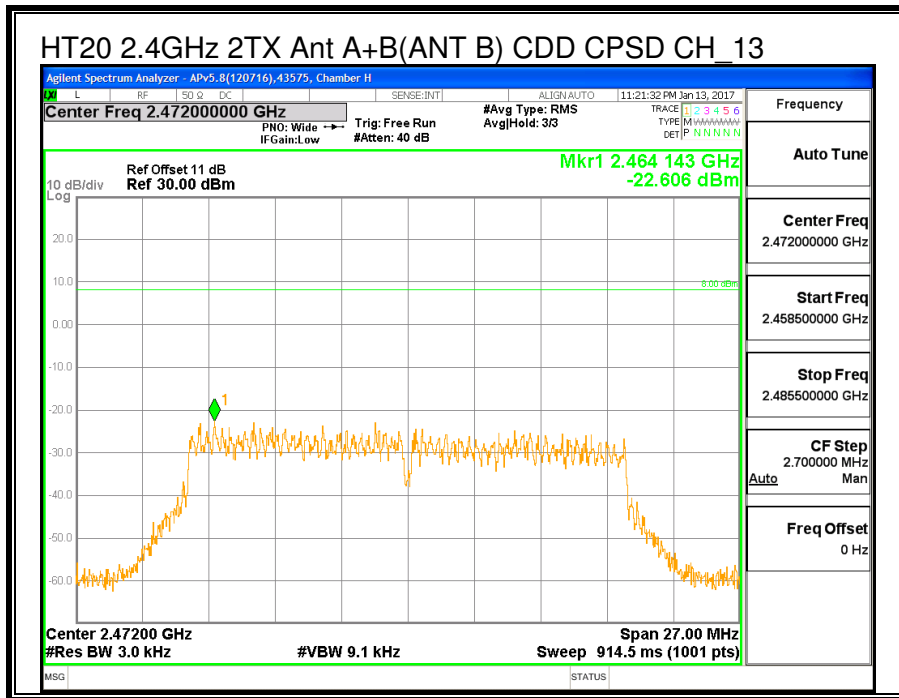
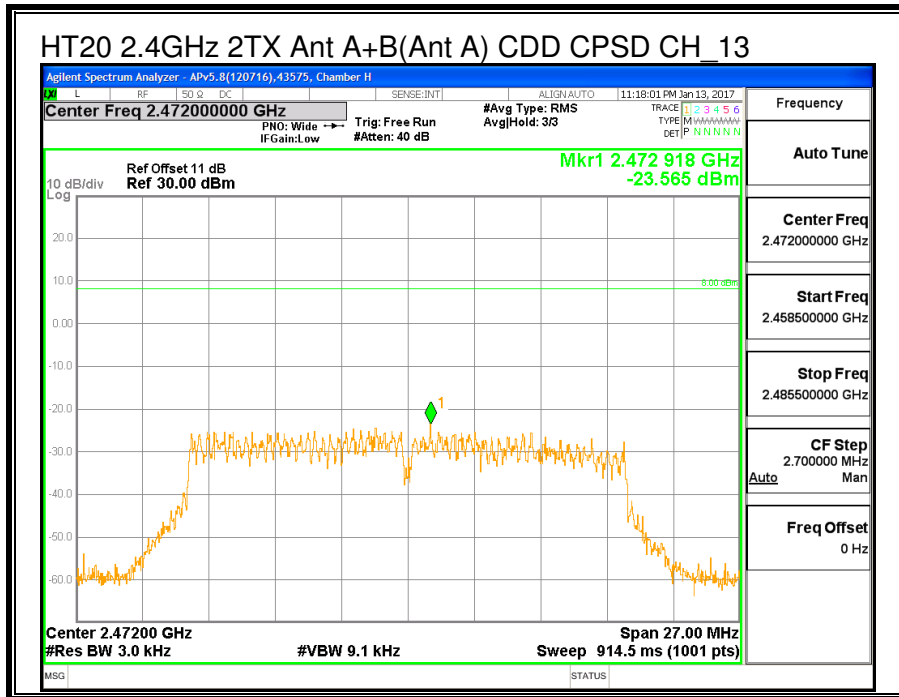












8.5.6. CONDUCTED BANDEDGE AND SPURIOUS EMISSIONS

LIMITS

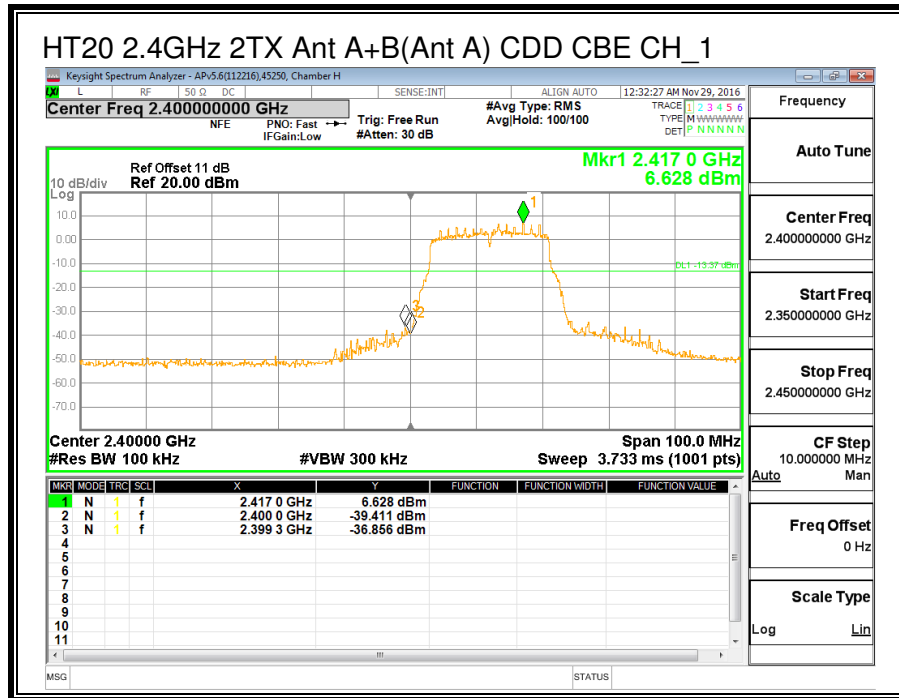
FCC §15.247 (d)

IC RSS-247 (5.5)

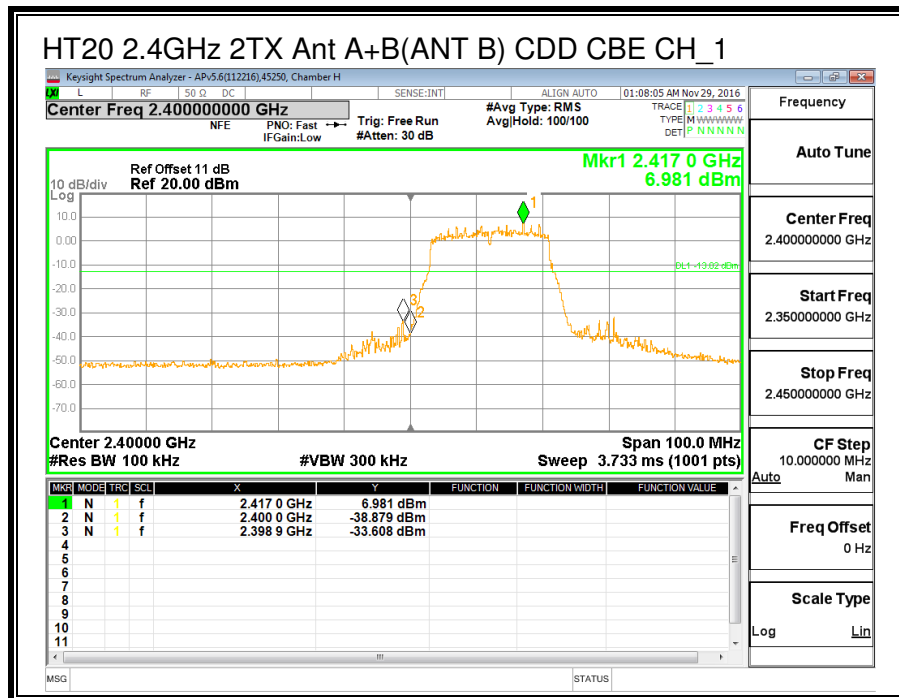
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the 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.

RESULTS

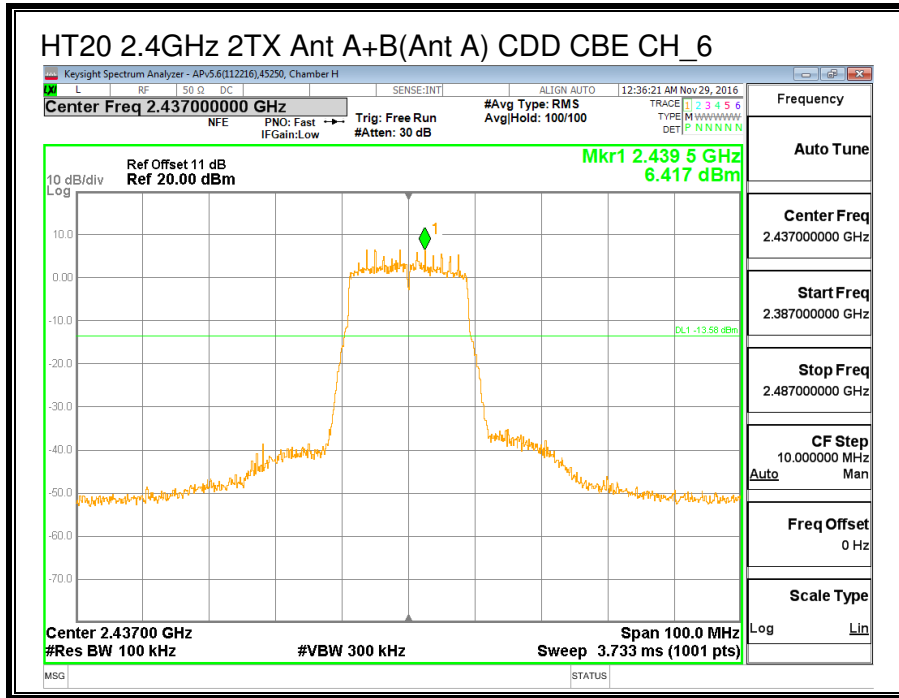
LOW CHANNEL BANDEDGE, Ant A



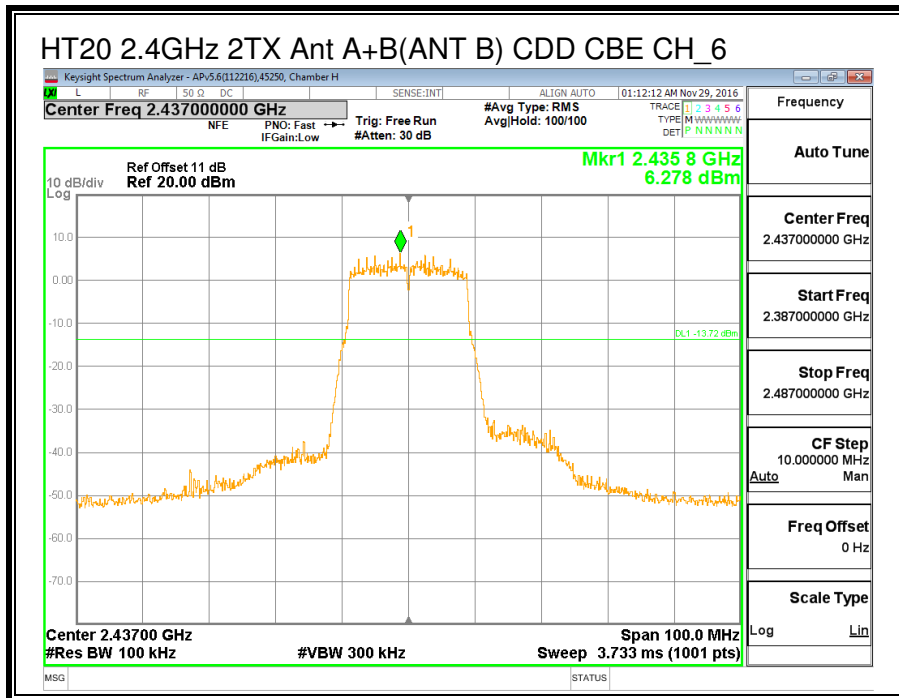
LOW CHANNEL BANDEDGE, ANT B



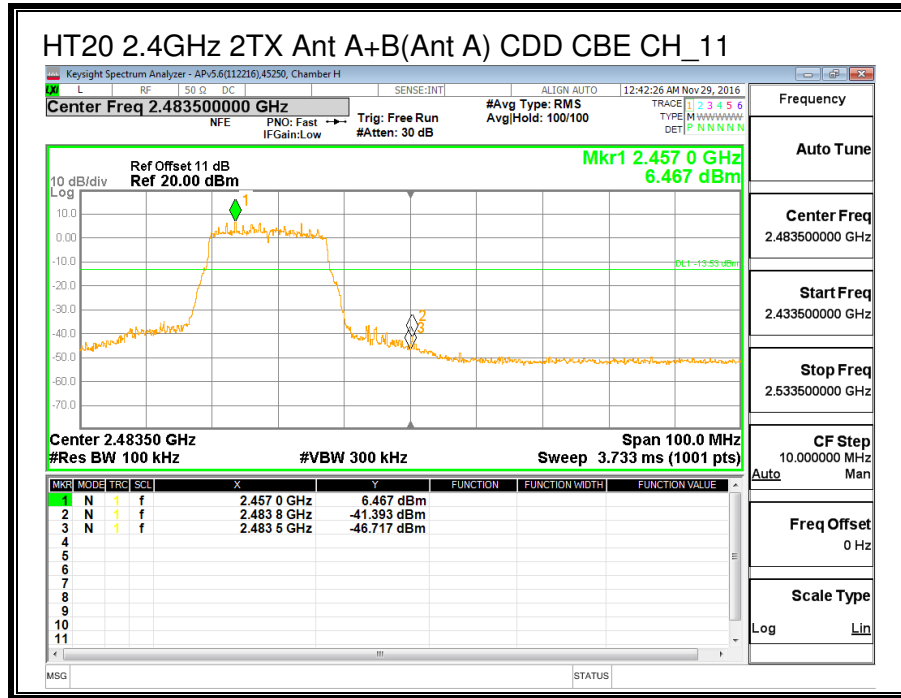
MID CHANNEL REFERENCE, Ant A



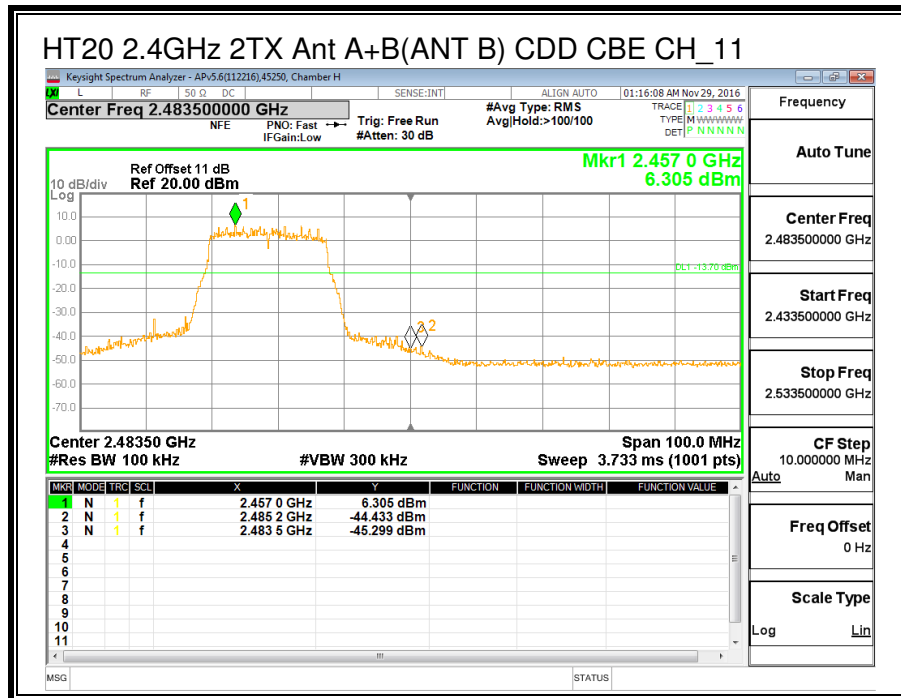
MID CHANNEL REFERENCE, ANT B



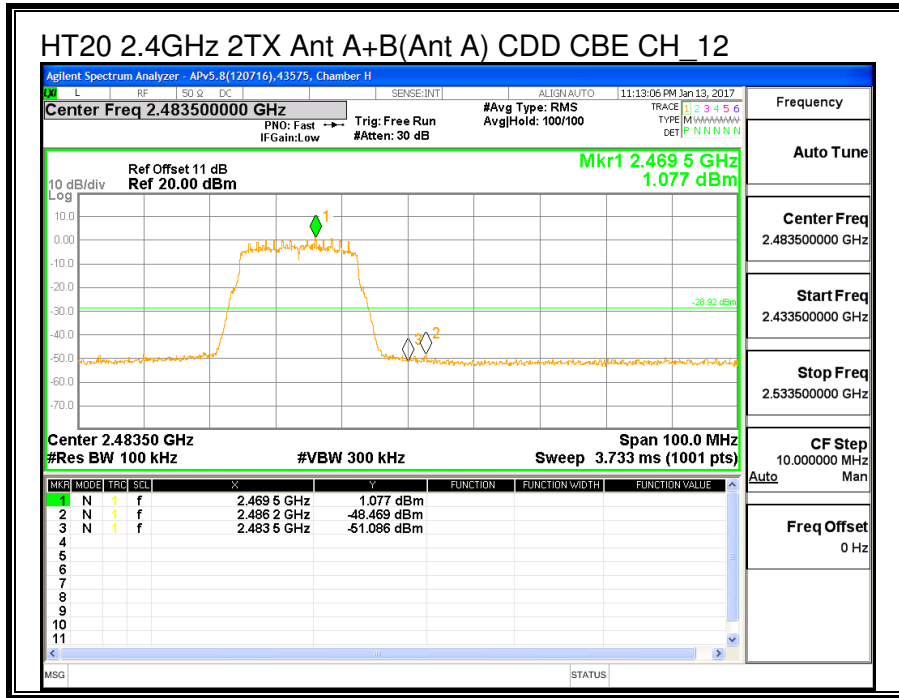
HIGH CHANNEL BANDEDGE, Ant A



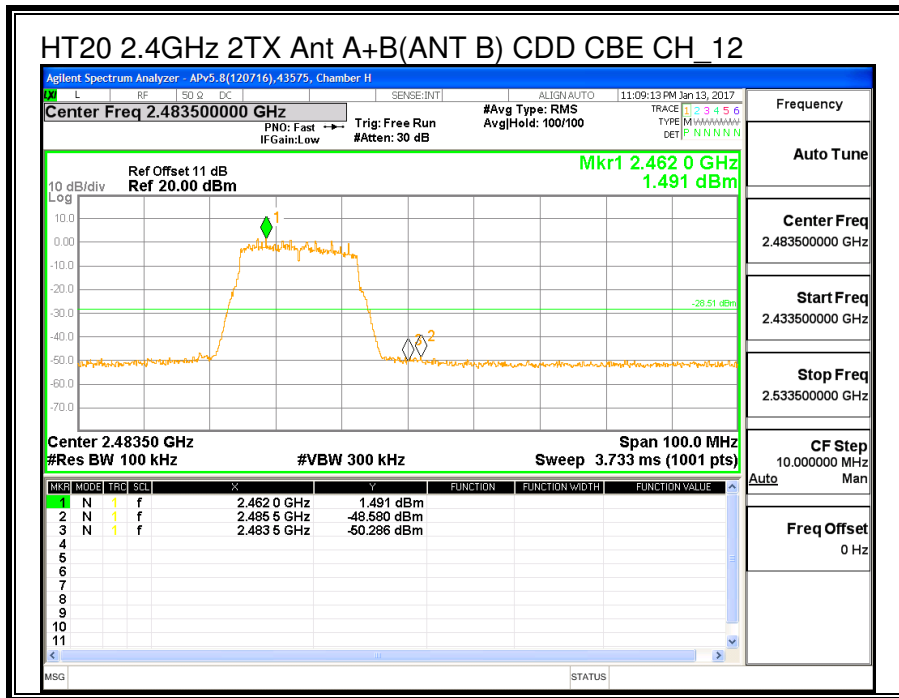
HIGH CHANNEL BANDEDGE, ANT B



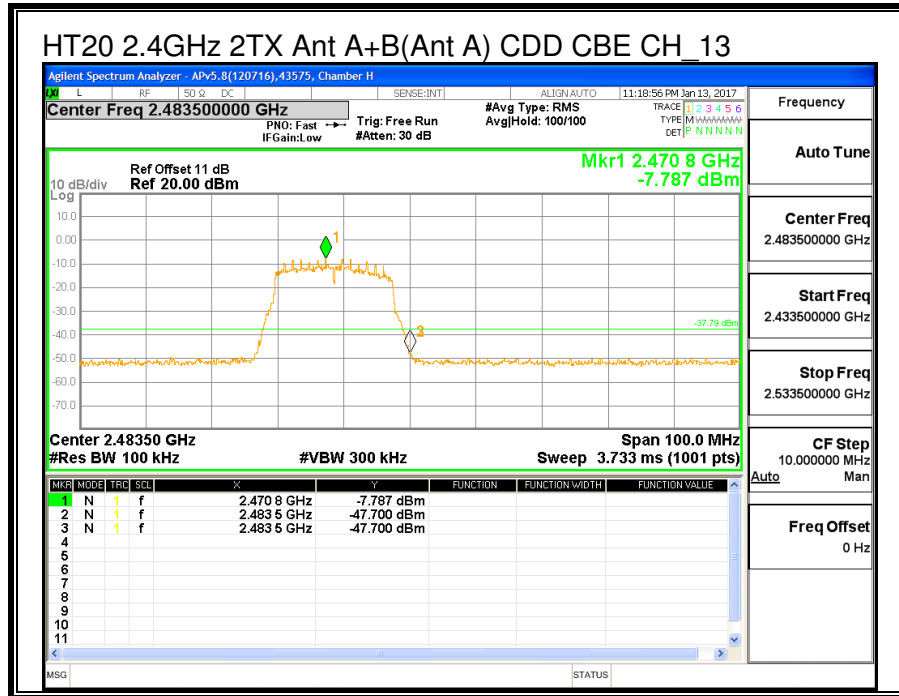
HIGH CHANNEL BANDEDGE, Ant A



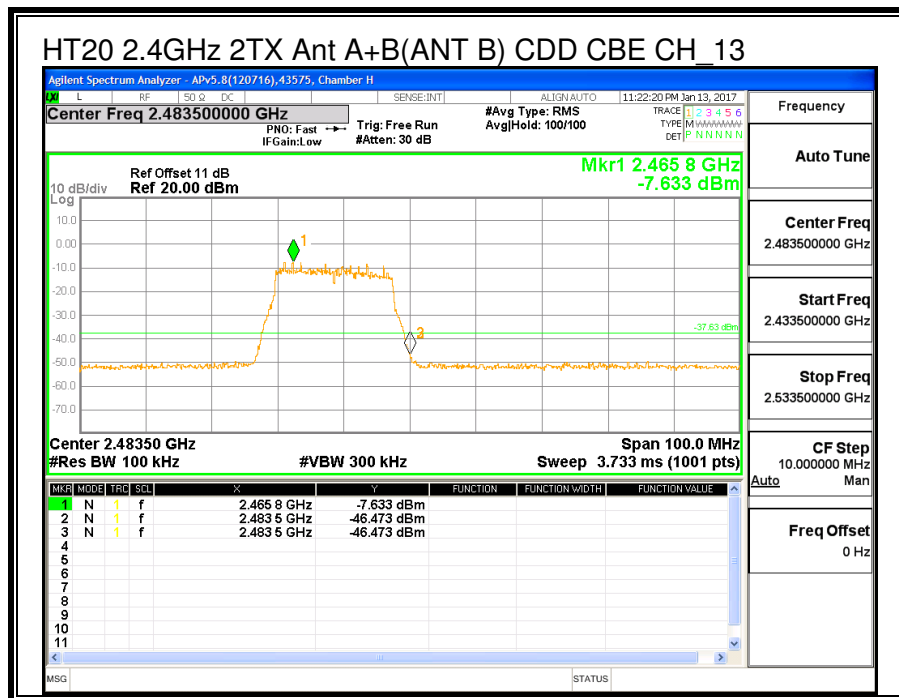
HIGH CHANNEL BANDEDGE, ANT B



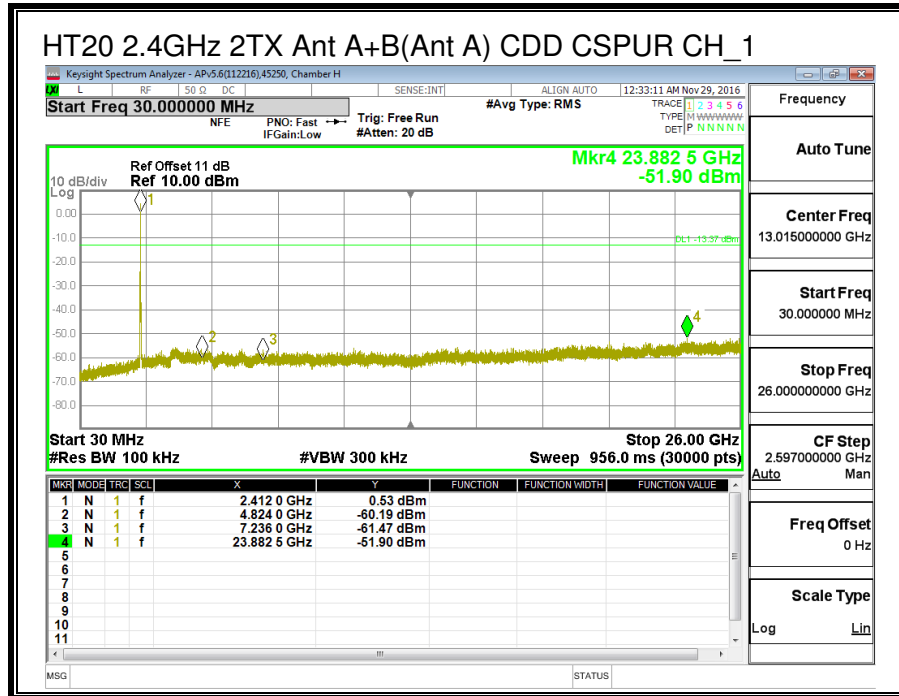
HIGH CHANNEL BANDEDGE, Ant A



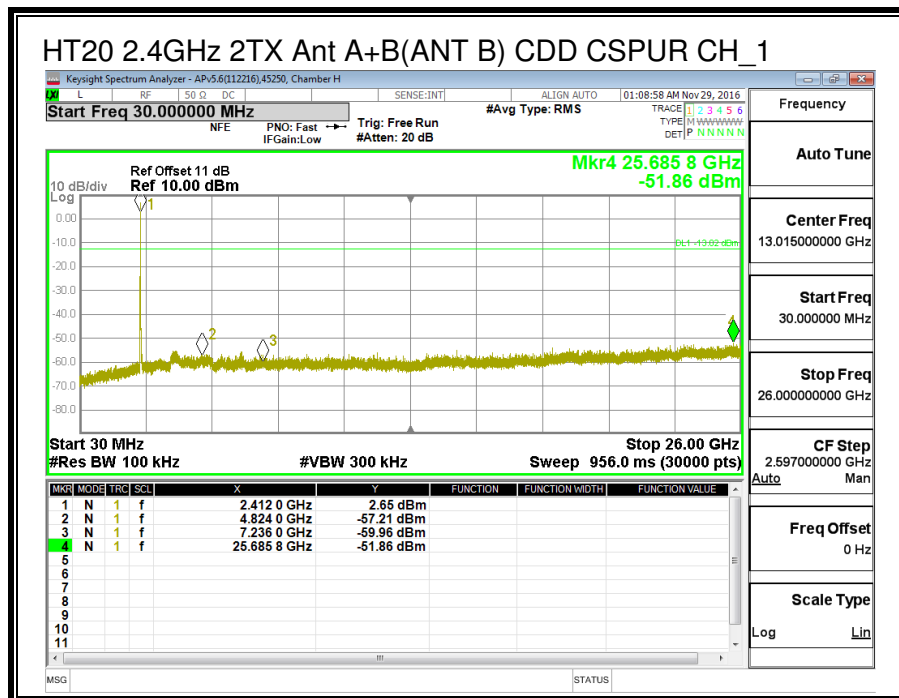
HIGH CHANNEL BANDEDGE, ANT B



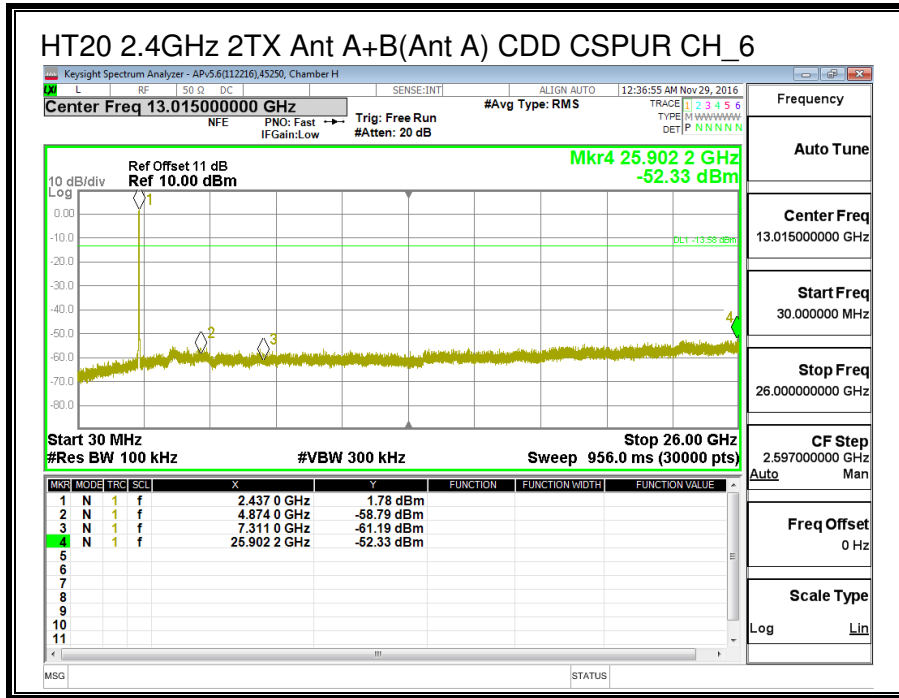
OUT-OF-BAND EMISSIONS, Ant A



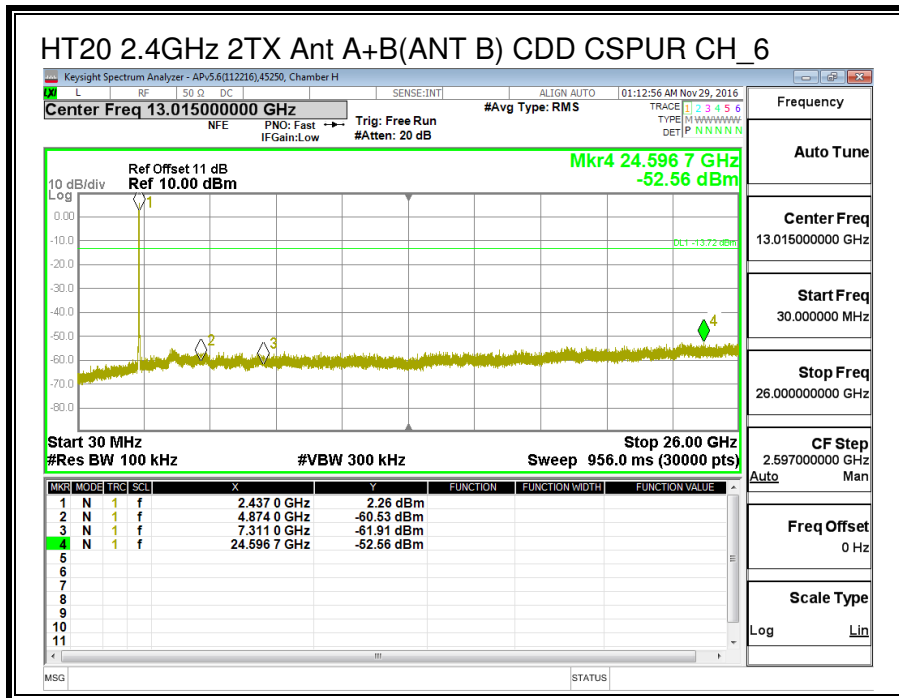
OUT-OF-BAND EMISSIONS, ANT B



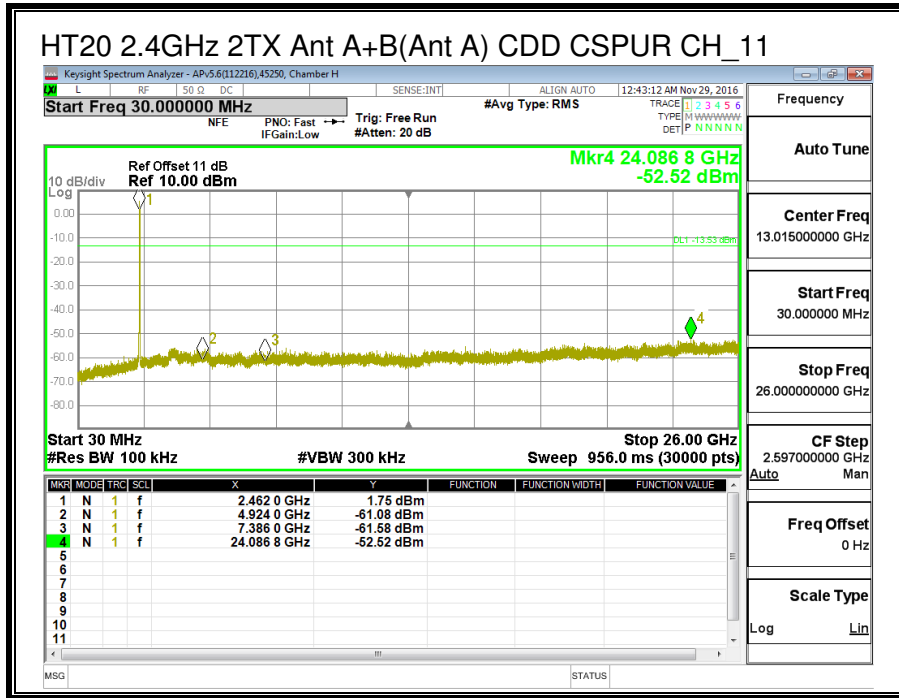
OUT-OF-BAND EMISSIONS, Ant A



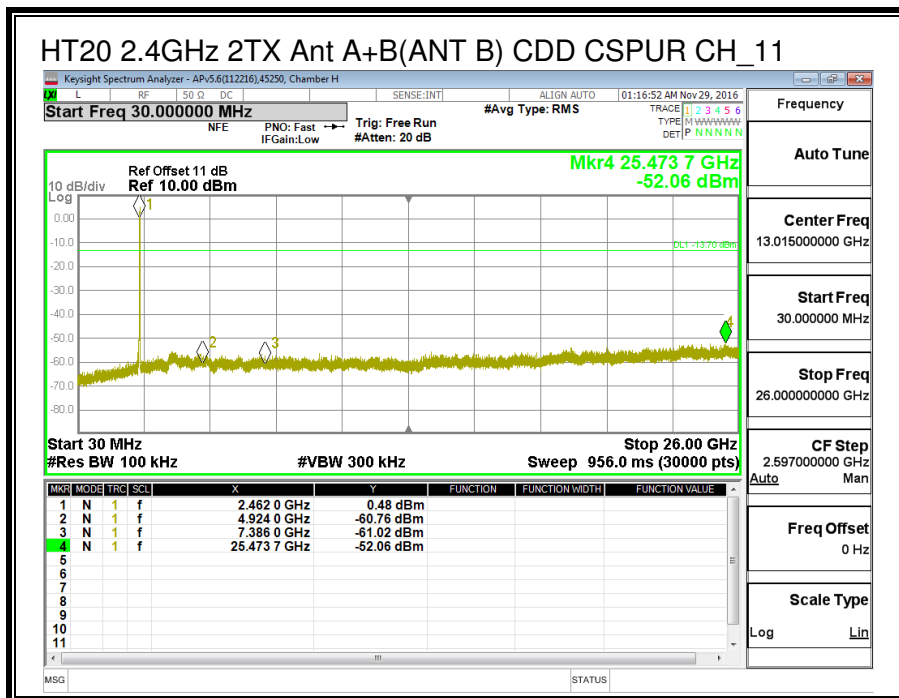
OUT-OF-BAND EMISSIONS, ANT B



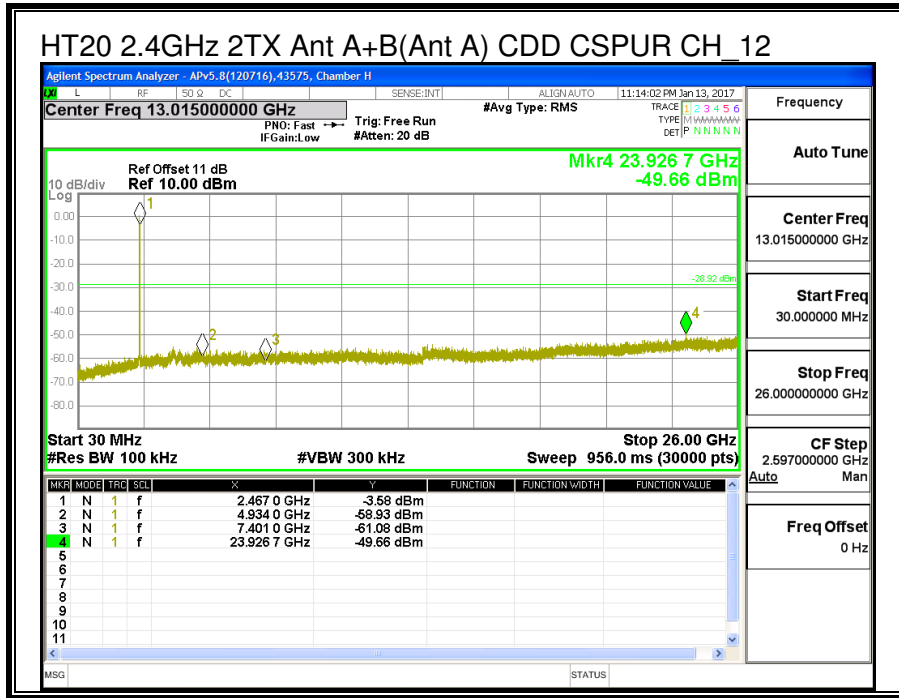
OUT-OF-BAND EMISSIONS, Ant A



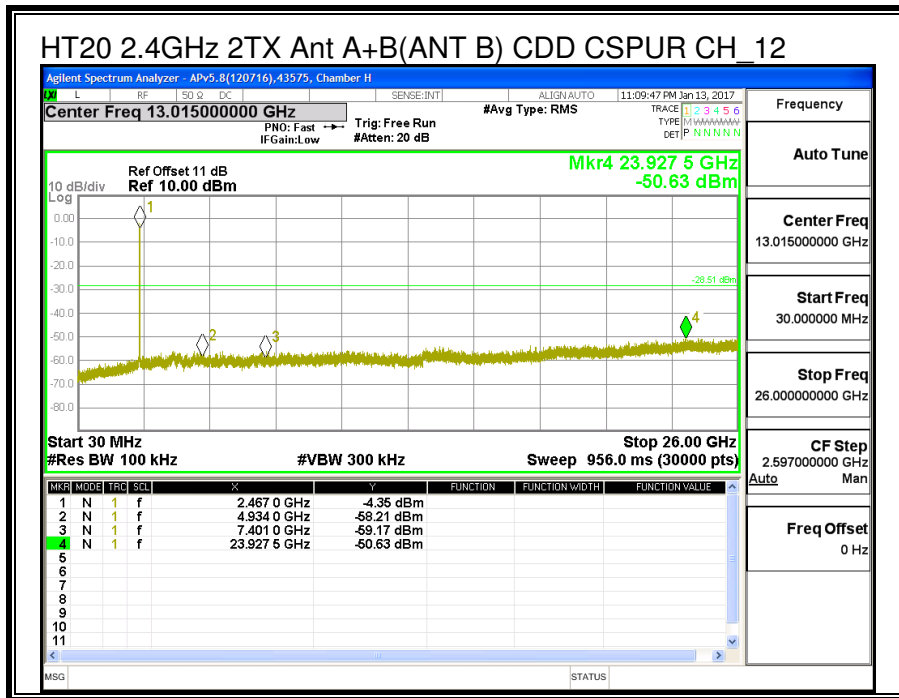
OUT-OF-BAND EMISSIONS, ANT B



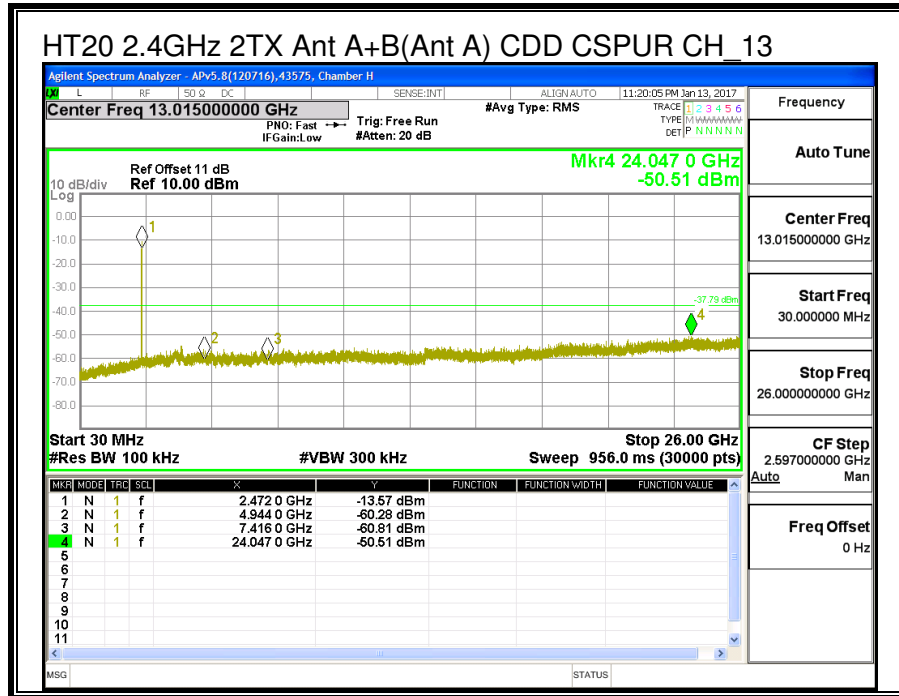
OUT-OF-BAND EMISSIONS, Ant A



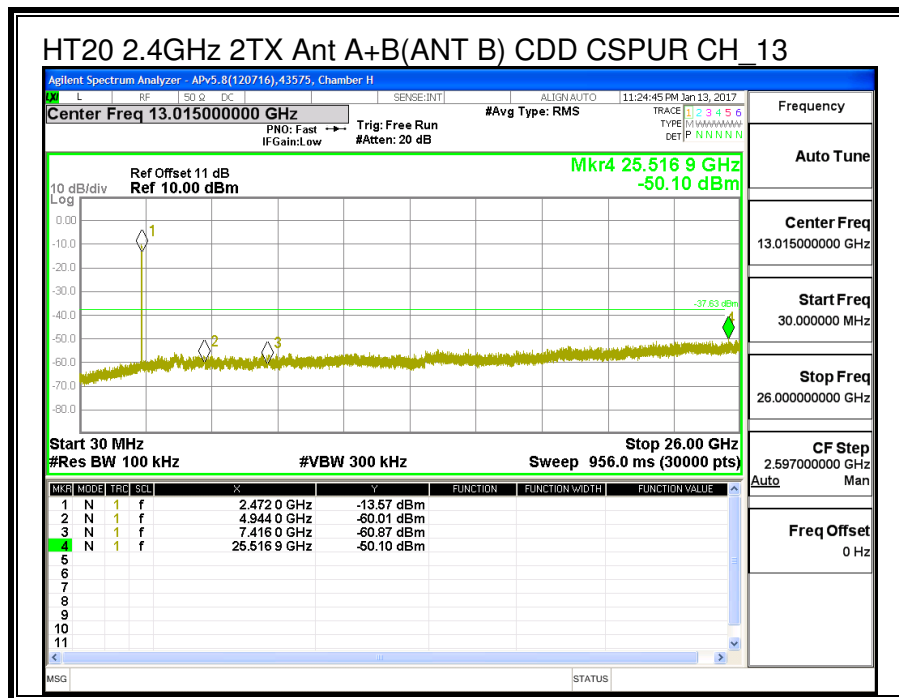
OUT-OF-BAND EMISSIONS, ANT B



OUT-OF-BAND EMISSIONS, Ant A



OUT-OF-BAND EMISSIONS, ANT B



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.

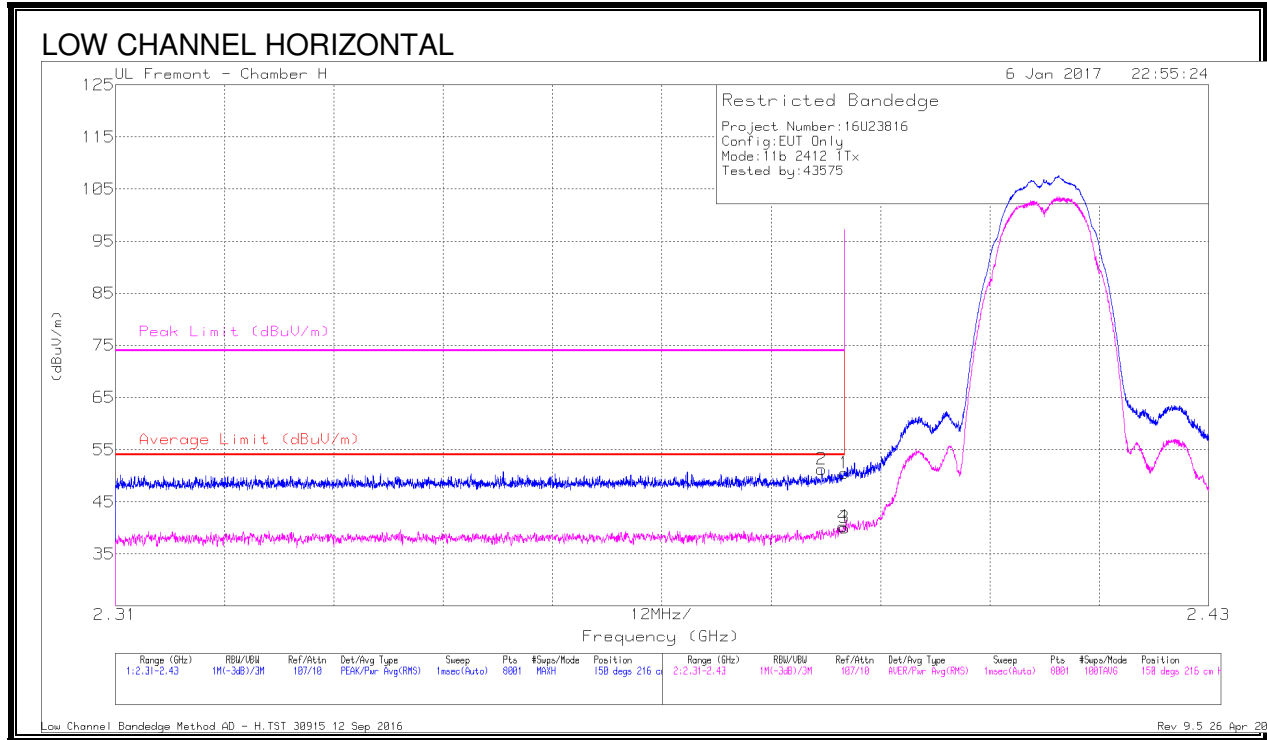
For 2.4 GHz band, the spectrum from 30 MHz to 1 GHz and from 18 GHz to 26 GHz is investigated with the transmitter set to the channel with the highest output power as worst case in each applicable band. The spectrum from 1 GHz to 18GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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)



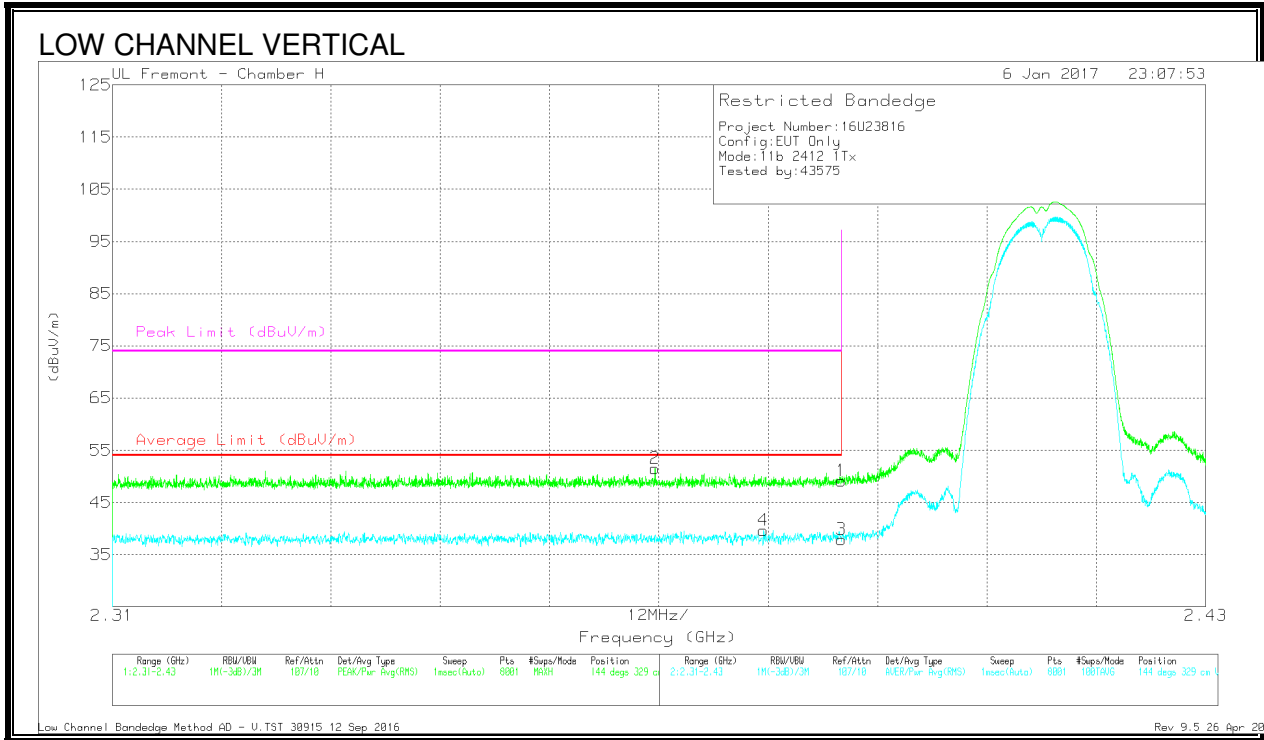
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	46.99	Pk	31.9	-28.4	50.49	-	-	74	-23.51	150	216	H
2	* 2.388	47.73	Pk	31.9	-28.4	51.23	-	-	74	-22.77	150	216	H
3	* 2.39	36.52	RMS	31.9	-28.4	40.02	54	-13.98	-	-	150	216	H
4	* 2.39	36.73	RMS	31.9	-28.4	40.23	54	-13.77	-	-	150	216	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

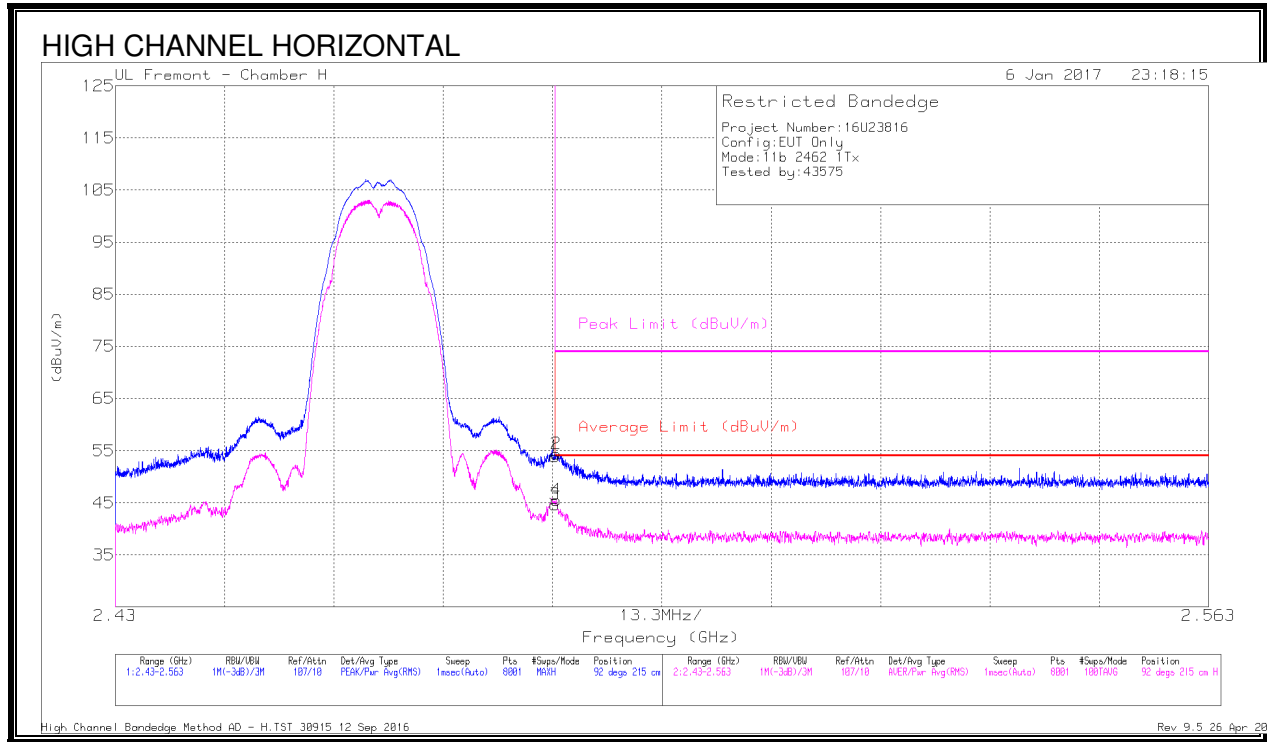
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.6	Pk	31.9	-28.4	49.1	-	-	74	-24.9	144	329	V
2	* 2.37	48.13	Pk	31.8	-28.4	51.53	-	-	74	-22.47	144	329	V
3	* 2.39	34.4	RMS	31.9	-28.4	37.9	54	-16.1	-	-	144	329	V
4	* 2.381	36.16	RMS	31.9	-28.4	39.66	54	-14.34	-	-	144	329	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)



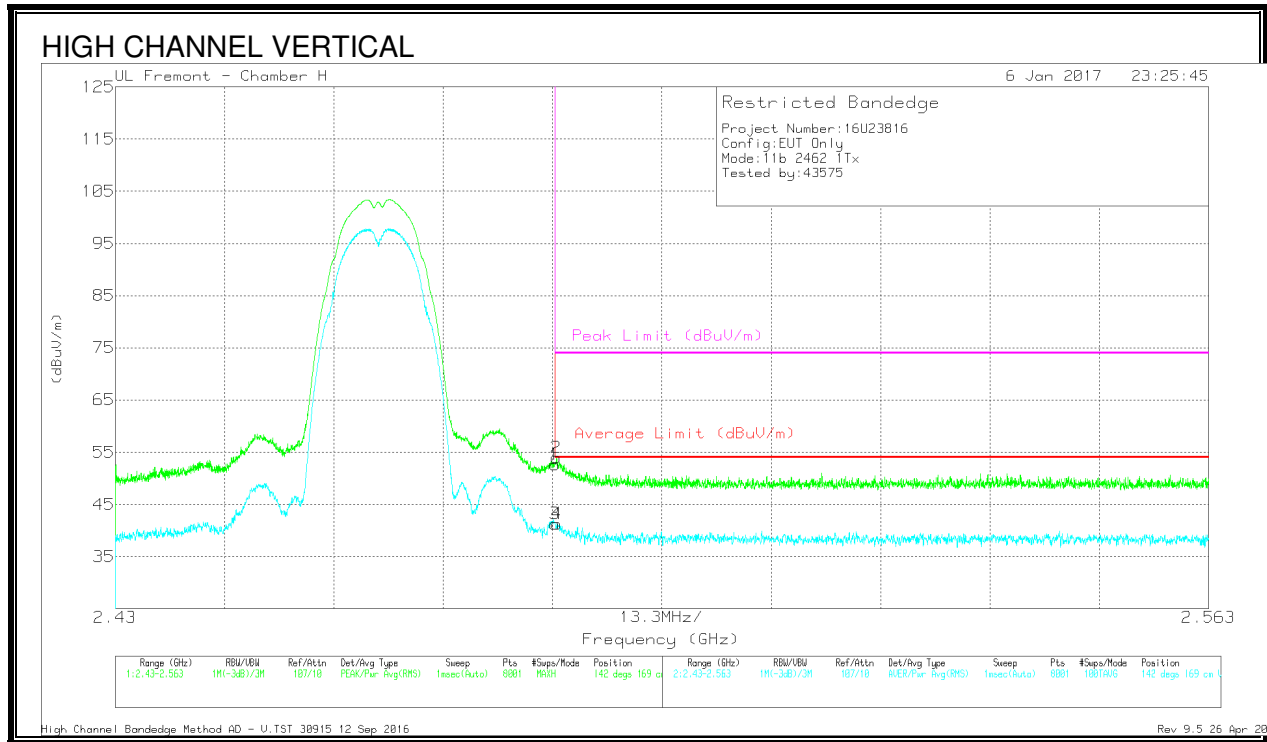
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fit r/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	50.2	Pk	32.2	-28.5	53.9	-	-	74	-20.1	92	215	H
2	* 2.484	50.69	Pk	32.2	-28.5	54.39	-	-	74	-19.61	92	215	H
3	* 2.484	41	RMS	32.2	-28.5	44.7	54	-9.3	-	-	92	215	H
4	* 2.484	41.78	RMS	32.2	-28.5	45.48	54	-8.52	-	-	92	215	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

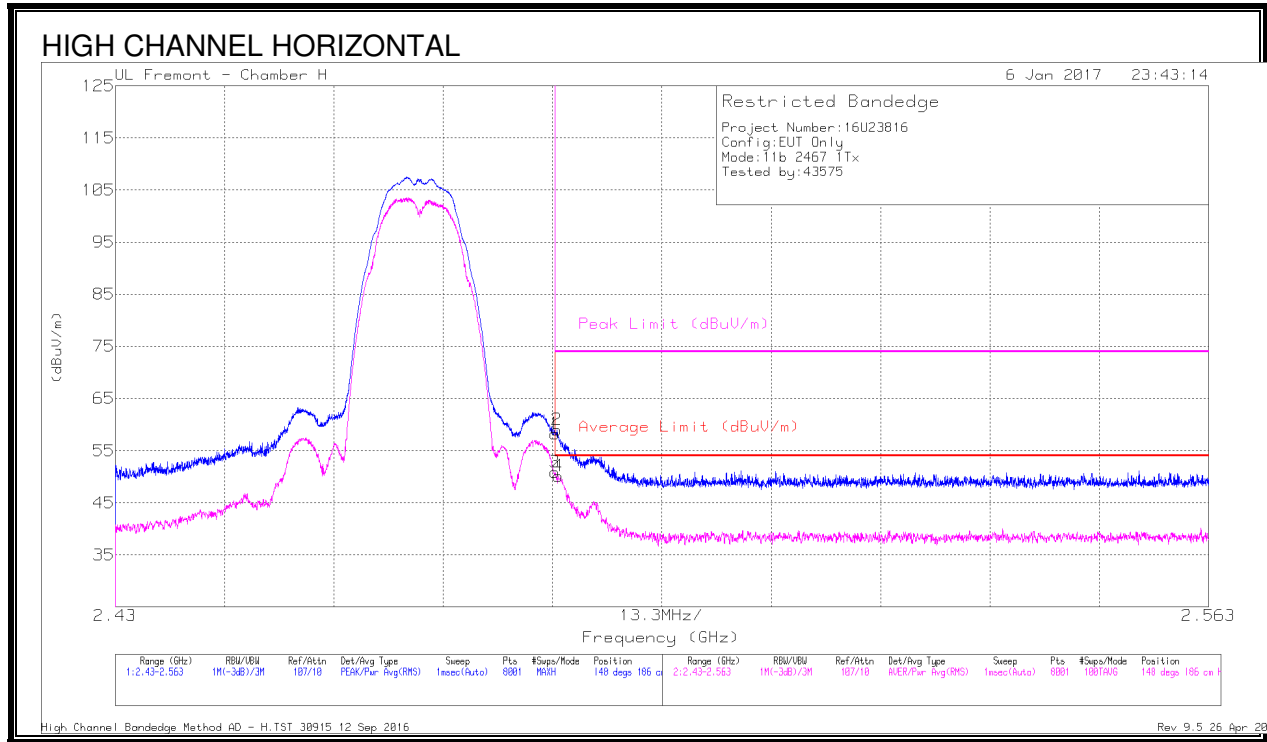
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.92	Pk	32.2	-28.5	52.62	-	-	74	-21.38	142	169	V
2	* 2.484	50.25	Pk	32.2	-28.5	53.95	-	-	74	-20.05	142	169	V
3	* 2.484	37.56	RMS	32.2	-28.5	41.26	54	-12.74	-	-	142	169	V
4	* 2.484	37.58	RMS	32.2	-28.5	41.28	54	-12.72	-	-	142	169	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



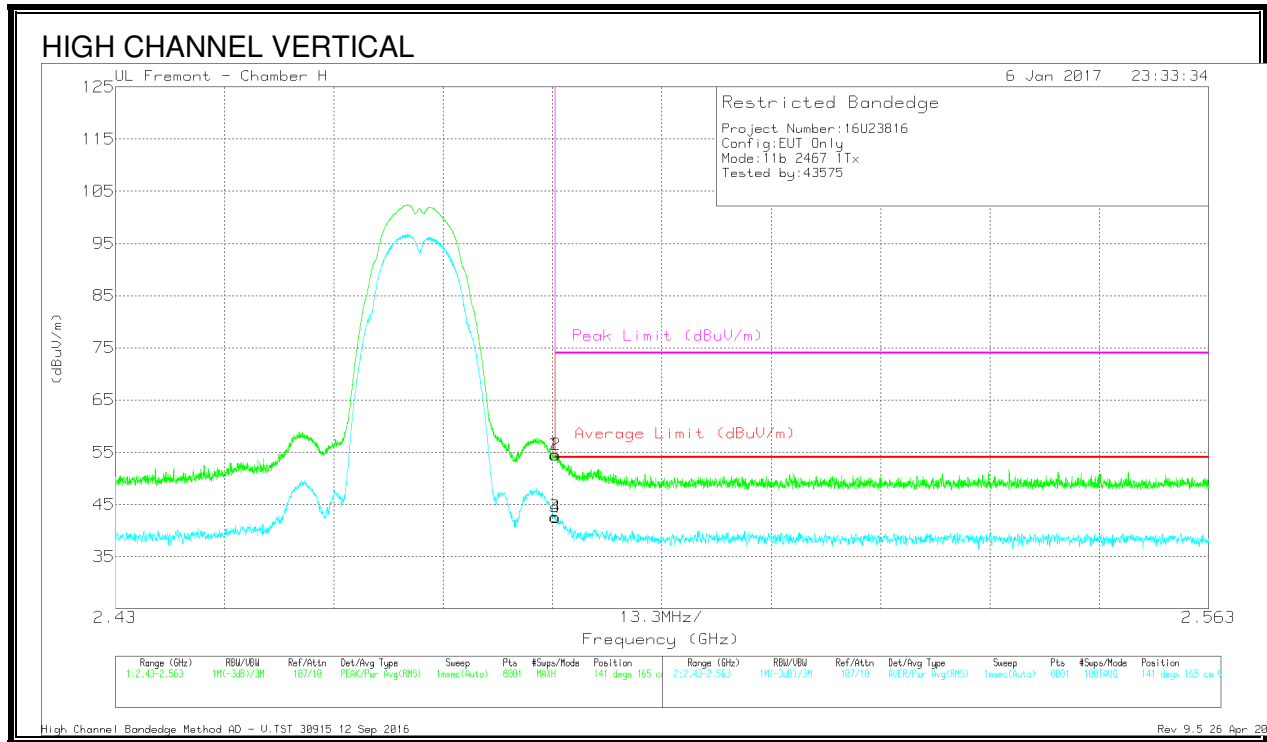
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Fit r/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	54.53	Pk	32.2	-28.5	58.23	-	-	74	-15.77	148	186	H
2	* 2.484	55.31	Pk	32.2	-28.5	59.01	-	-	74	-14.99	148	186	H
3	* 2.484	47.21	RMS	32.2	-28.5	50.91	54	-3.09	-	-	148	186	H
4	* 2.484	46.45	RMS	32.2	-28.5	50.15	54	-3.85	-	-	148	186	H

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

Pk - Peak detector

RMS - RMS detection

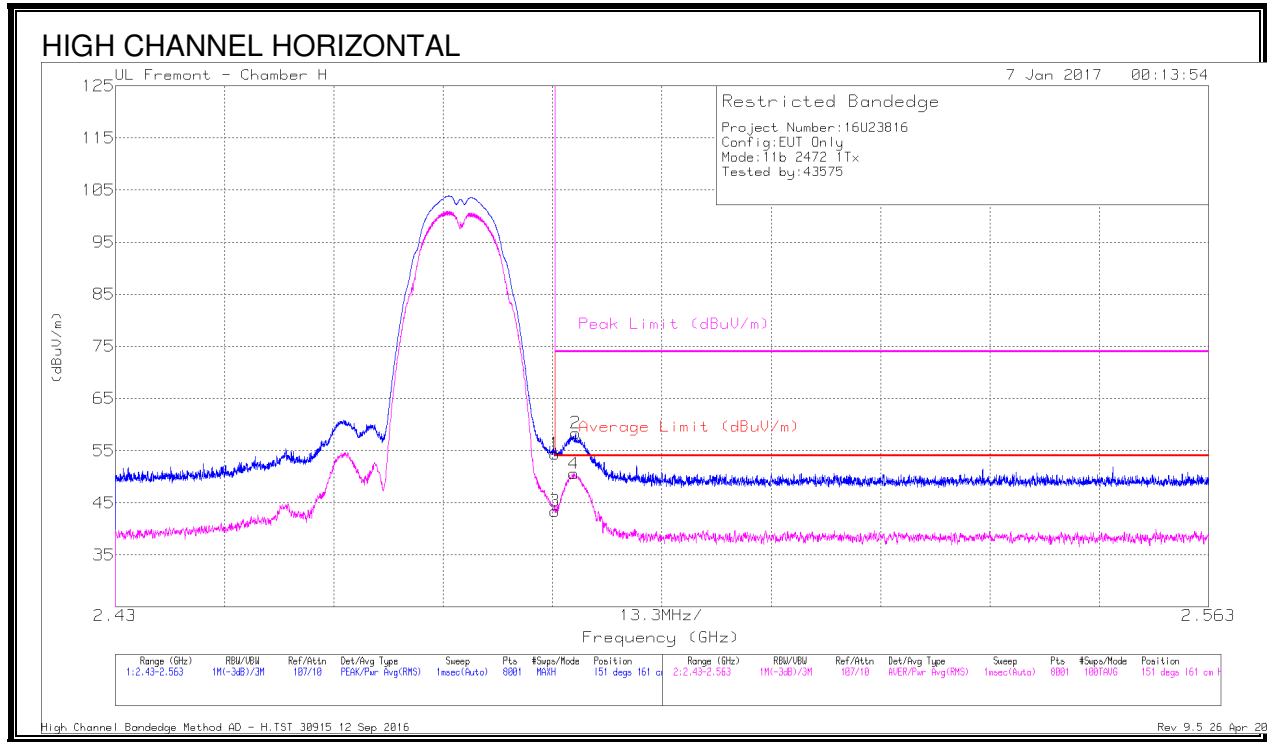


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fit r/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	50.77	Pk	32.2	-28.5	54.47	-	-	74	-19.53	141	165	V
2	* 2.484	50.83	Pk	32.2	-28.5	54.53	-	-	74	-19.47	141	165	V
3	* 2.484	39.01	RMS	32.2	-28.5	42.71	54	-11.29	-	-	141	165	V
4	* 2.484	38.83	RMS	32.2	-28.5	42.53	54	-11.47	-	-	141	165	V

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

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



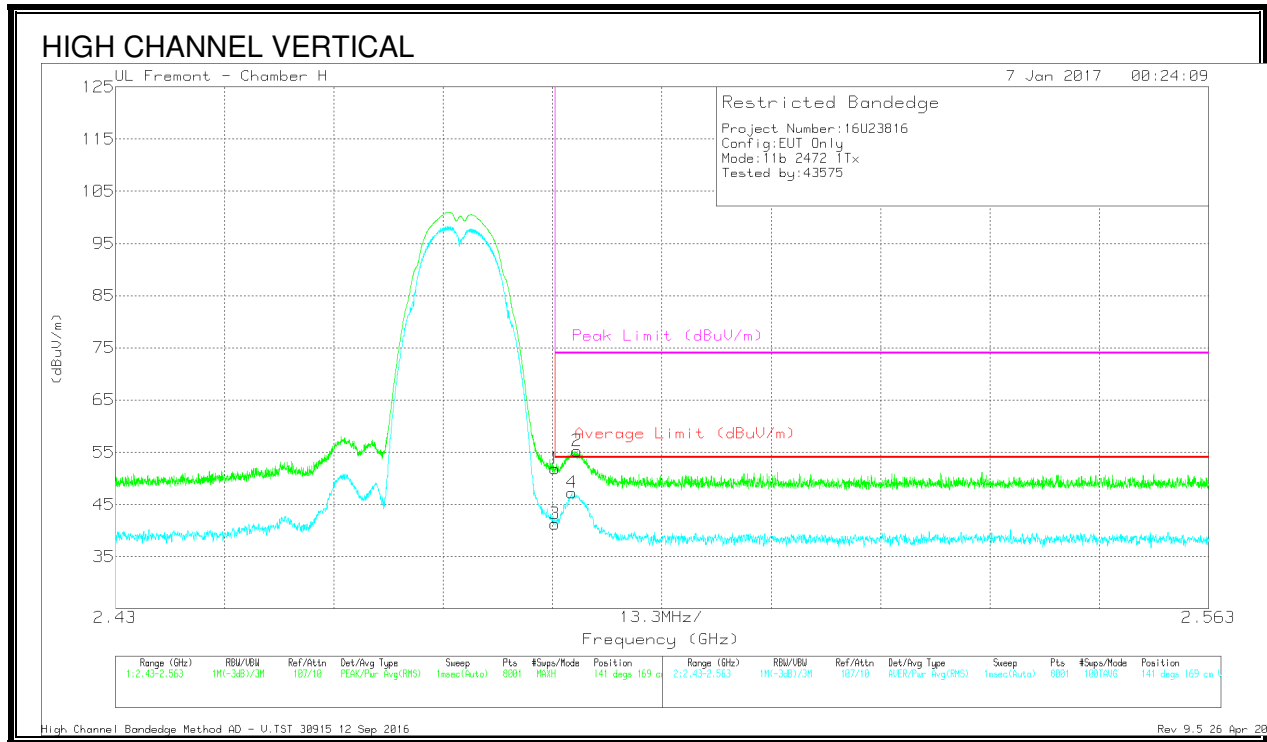
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fit r/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	32.2	-28.5	54.39	-	-	74	-19.61	151	161	H
2	* 2.486	54.7	Pk	32.2	-28.5	58.4	-	-	74	-15.6	151	161	H
3	* 2.484	39.65	RMS	32.2	-28.5	43.35	54	-10.65	-	-	151	161	H
4	* 2.486	46.88	RMS	32.2	-28.5	50.58	54	-3.42	-	-	151	161	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

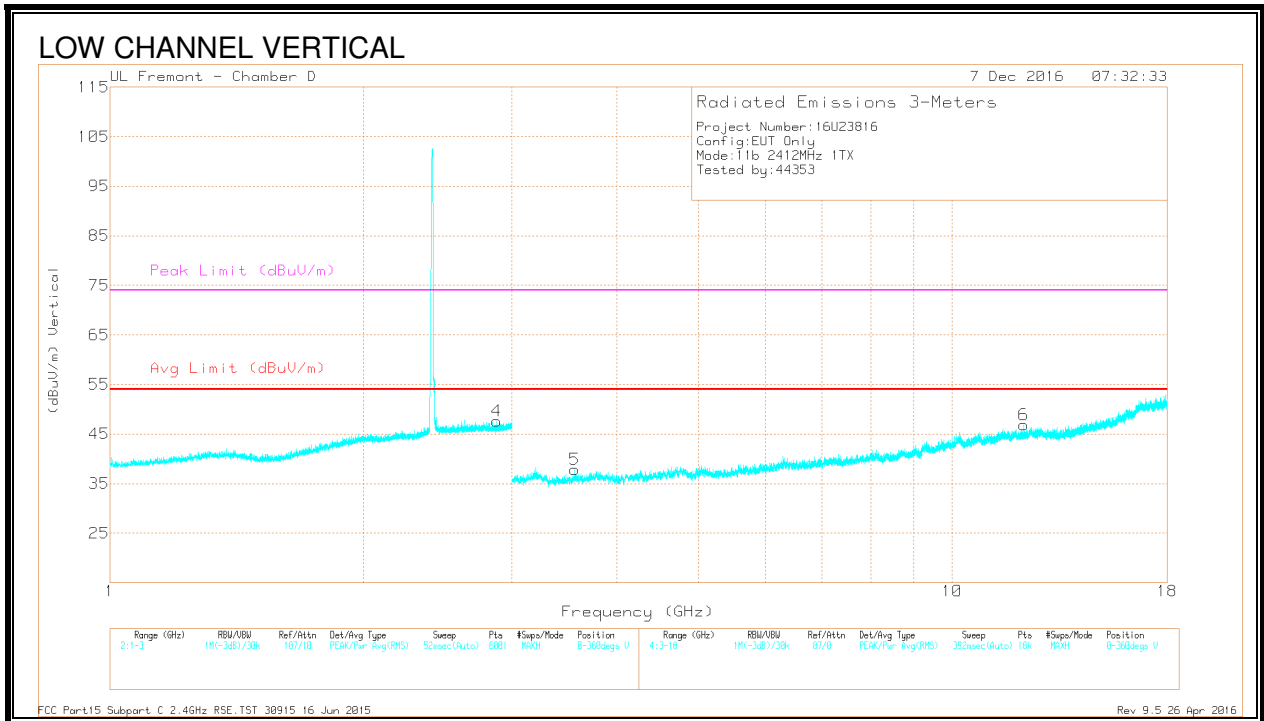
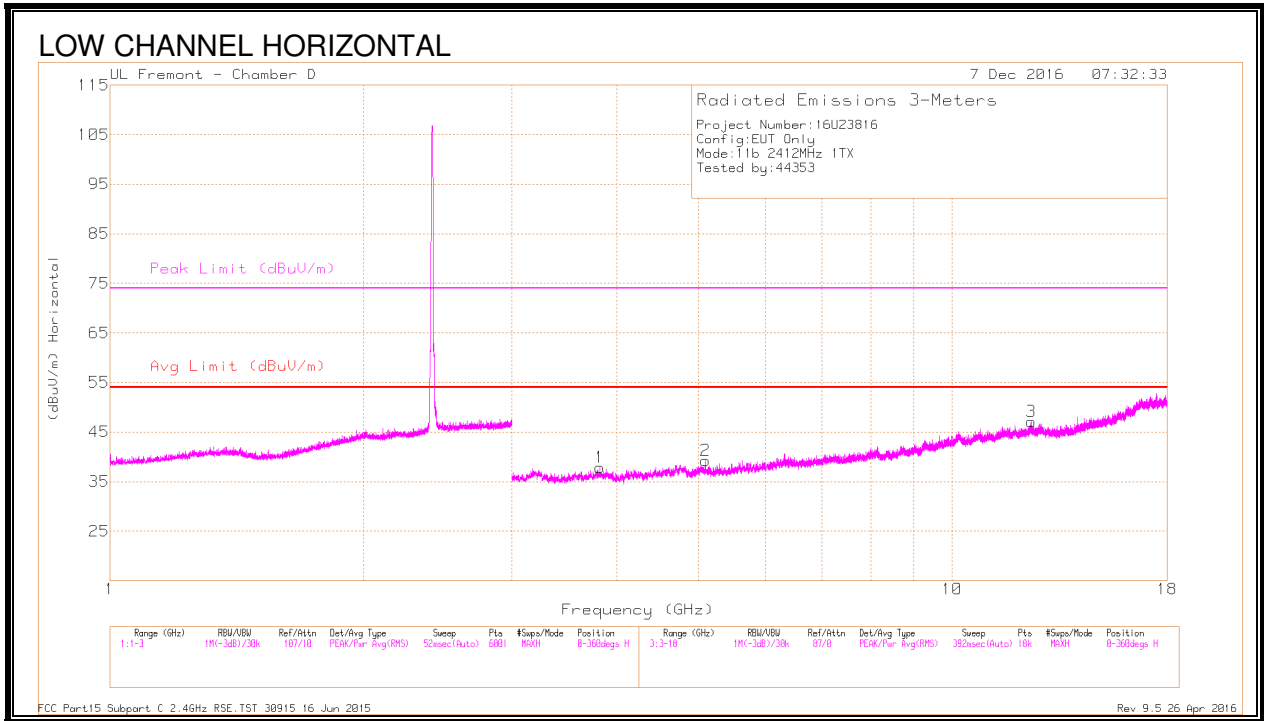
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Filter/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.22	Pk	32.2	-28.5	51.92	-	-	74	-22.08	141	169	V
2	* 2.486	51.6	Pk	32.2	-28.5	55.3	-	-	74	-18.7	141	169	V
3	* 2.484	37.6	RMS	32.2	-28.5	41.3	54	-12.7	-	-	141	169	V
4	* 2.486	43.61	RMS	32.2	-28.5	47.31	54	-6.69	-	-	141	169	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)



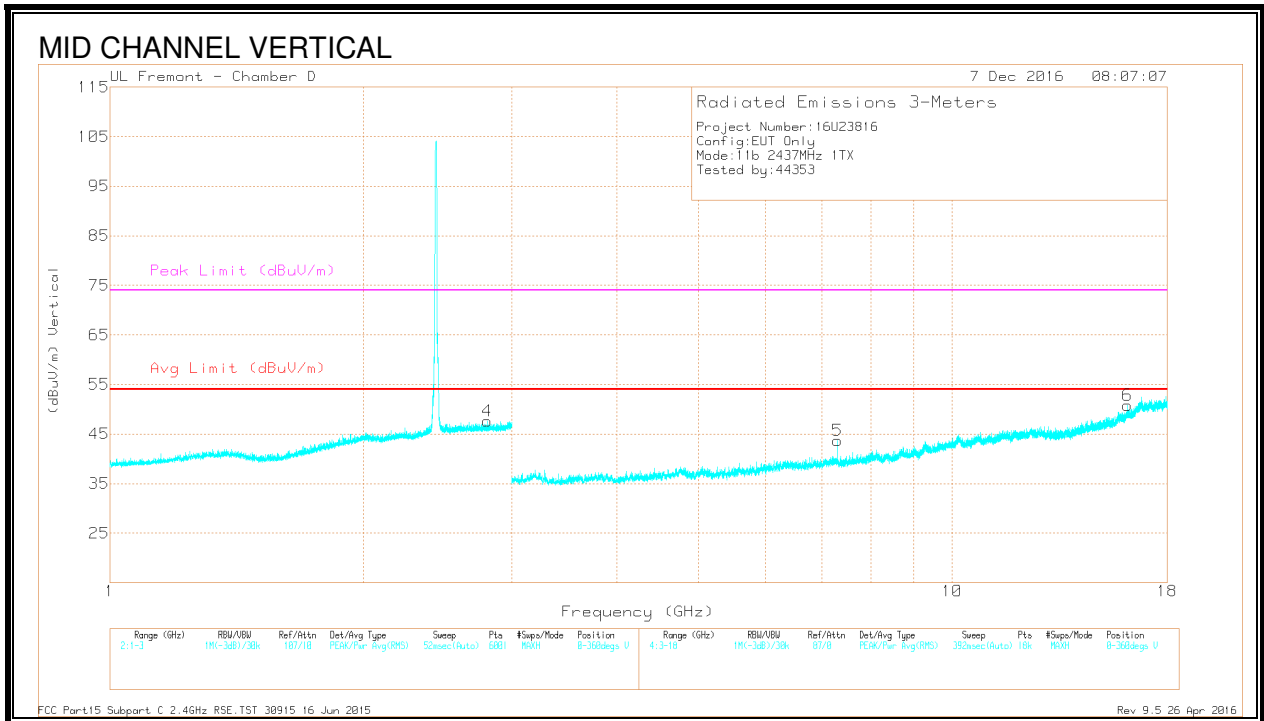
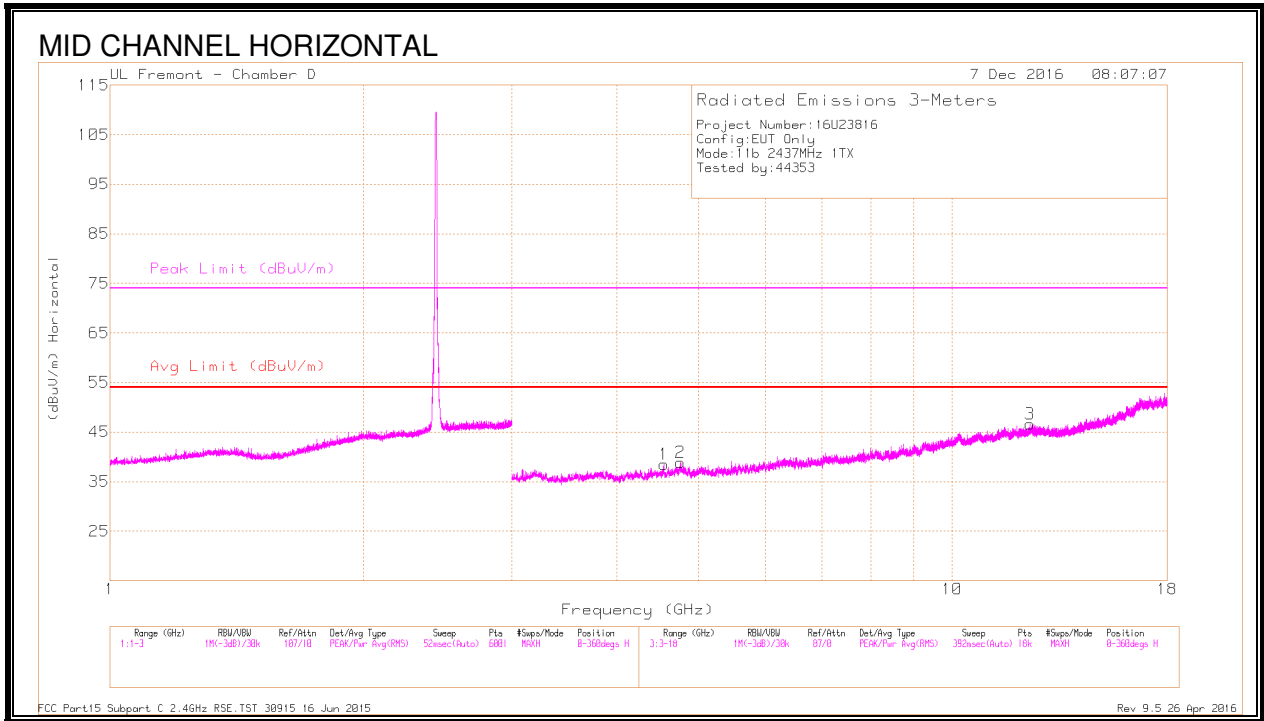
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.812	38.75	PK2	33.6	-28.4	43.95	-	-	74	-30.05	56	284	H
	* 3.813	28.02	MAv1	33.6	-28.5	33.12	54	-20.88	-	-	56	284	H
2	* 5.091	37.56	PK2	34	-26.7	44.86	-	-	74	-29.14	331	194	H
	* 5.091	27.07	MAv1	34	-26.7	34.37	54	-19.63	-	-	331	194	H
3	* 12.419	34.39	PK2	39.1	-20.6	52.89	-	-	74	-21.11	263	132	H
	* 12.421	24.18	MAv1	39.1	-20.5	42.78	54	-11.22	-	-	263	132	H
4	* 2.877	41.07	PK2	32.3	-20.2	53.17	-	-	74	-20.83	112	140	V
	* 2.879	30.51	MAv1	32.3	-20.2	42.61	54	-11.39	-	-	112	140	V
5	* 3.566	39.07	PK2	33.2	-28.1	44.17	-	-	74	-29.83	164	297	V
	* 3.567	28.37	MAv1	33.2	-28.1	33.47	54	-20.53	-	-	164	297	V
6	* 12.149	34.17	PK2	39	-20.6	52.57	-	-	74	-21.43	304	147	V
	* 12.151	23.95	MAv1	39	-20.6	42.35	54	-11.65	-	-	304	147	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)



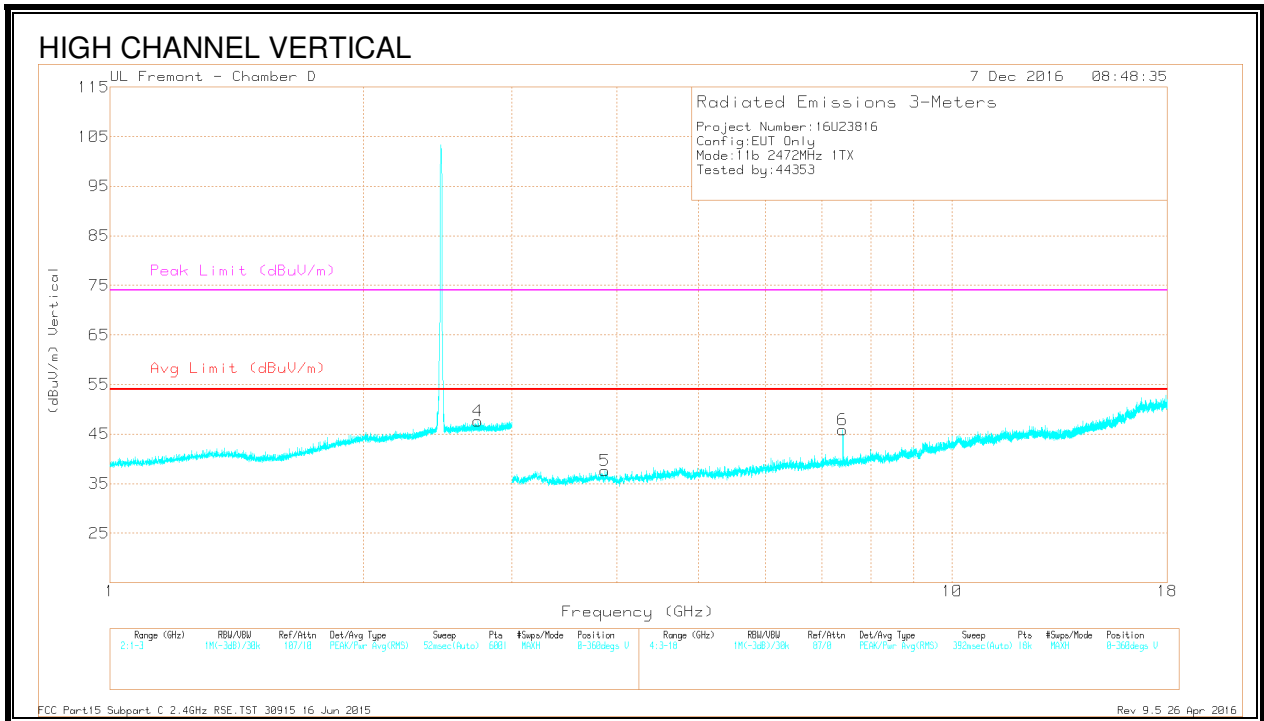
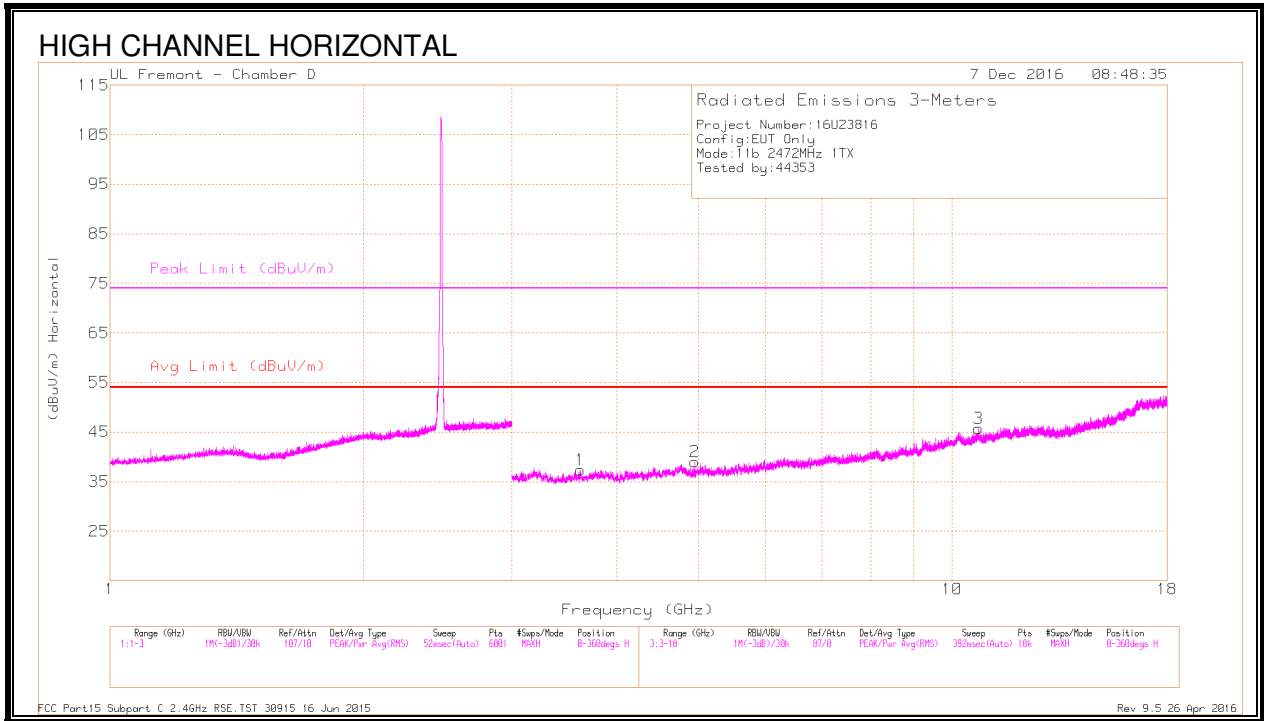
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.544	38.05	PK2	34	-27.8	44.25	-	-	74	-29.75	237	256	H
	* 4.542	28.11	MAv1	34	-27.8	34.31	54	-19.69	-	-	237	256	H
2	* 4.755	36.77	PK2	34	-26.6	44.17	-	-	74	-29.83	342	168	H
	* 4.755	26.93	MAv1	34	-26.6	34.33	54	-19.67	-	-	342	168	H
3	* 12.377	33.79	PK2	39	-20.5	52.29	-	-	74	-21.71	170	103	H
	* 12.376	24.38	MAv1	39	-20.4	42.98	54	-11.02	-	-	170	103	H
4	* 2.806	41.57	PK2	32.3	-20.3	53.57	-	-	74	-20.43	95	310	V
	* 2.807	30.45	MAv1	32.3	-20.3	42.45	54	-11.55	-	-	95	310	V
5	* 7.309	40.43	PK2	35.7	-25.1	51.03	-	-	74	-22.97	257	244	V
	* 7.31	32.65	MAv1	35.7	-25.1	43.25	54	-10.75	-	-	257	244	V
6	* 16.159	35.09	PK2	40.6	-18.8	56.89	-	-	74	-17.11	180	201	V
	* 16.159	24.68	MAv1	40.6	-18.8	46.48	54	-7.52	-	-	180	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 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/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	* 3.618	39.08	PK2	33.3	-28.4	43.98	-	-	74	-30.02	110	238	H
	* 3.618	28.75	MAv1	33.3	-28.4	33.65	54	-20.35	-	-	110	238	H
2	* 4.946	38.11	PK2	34.1	-28.1	44.11	-	-	74	-29.89	336	103	H
	* 4.944	28.17	MAv1	34.1	-28.1	34.17	54	-19.83	-	-	336	103	H
3	* 10.749	33.8	PK2	37.9	-20.4	51.3	-	-	74	-22.7	164	175	H
	* 10.746	24.07	MAv1	37.9	-20.3	41.67	54	-12.33	-	-	164	175	H
4	* 2.734	41.95	PK2	32.4	-20.5	53.85	-	-	74	-20.15	296	127	V
	* 2.736	30.91	MAv1	32.4	-20.5	42.81	54	-11.19	-	-	296	127	V
5	* 3.868	38	PK2	33.5	-28.7	42.8	-	-	74	-31.2	203	331	V
	* 3.869	28.42	MAv1	33.5	-28.7	33.22	54	-20.78	-	-	203	331	V
6	* 7.413	40.41	PK2	35.6	-24.9	51.11	-	-	74	-22.89	103	200	V
	* 7.415	33.8	MAv1	35.6	-24.9	44.5	54	-9.5	-	-	103	200	V

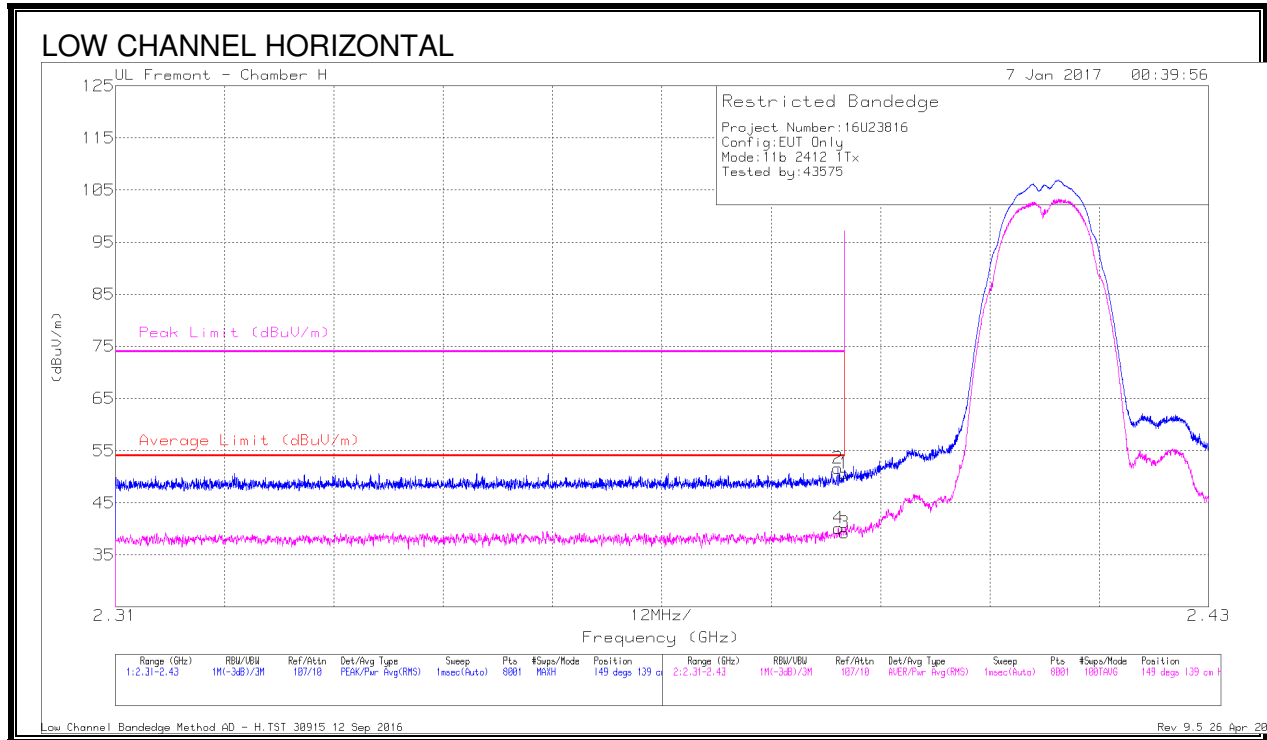
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

AUTHORIZED BANDEGE (LOW CHANNEL, CH 1)



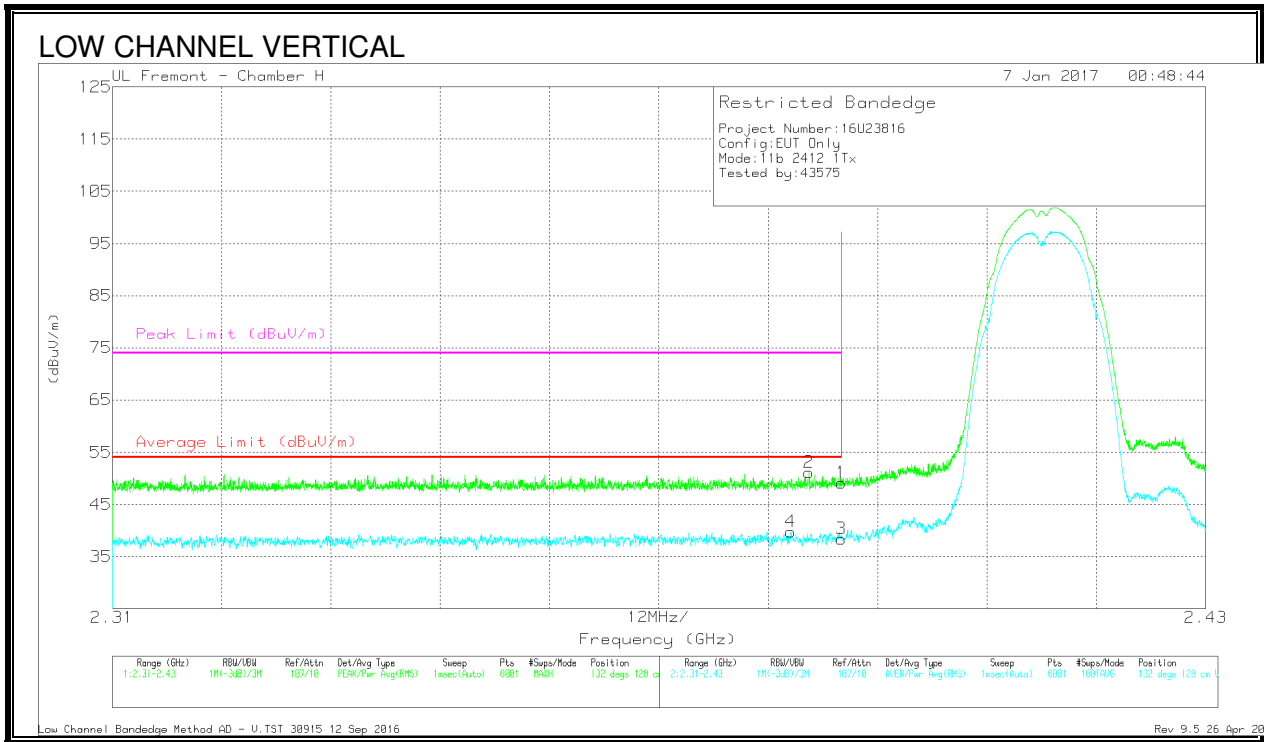
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fit r/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	47.18	Pk	31.9	-28.4	50.68	-	-	74	-23.32	149	139	H
2	* 2.389	48.12	Pk	31.9	-28.4	51.62	-	-	74	-22.38	149	139	H
3	* 2.39	35.76	RMS	31.9	-28.4	39.26	54	-14.74	-	-	149	139	H
4	* 2.389	36.68	RMS	31.9	-28.4	40.18	54	-13.82	-	-	149	139	H

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

Pk - Peak detector

RMS - RMS detection

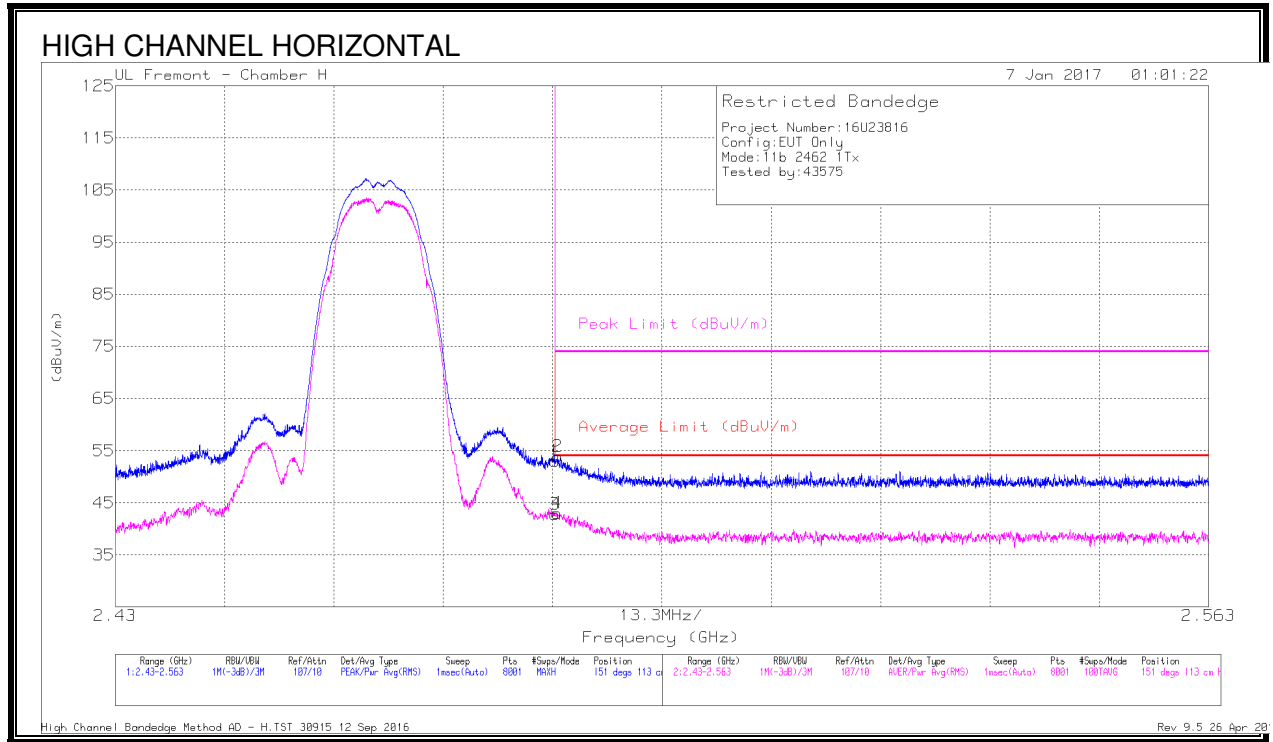


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fitter/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	45.63	Pk	31.9	-28.4	49.13	-	-	74	-24.87	132	128	V
2	* 2.386	47.65	Pk	31.9	-28.4	51.15	-	-	74	-22.85	132	128	V
3	* 2.39	34.89	RMS	31.9	-28.4	38.39	54	-15.61	-	-	132	128	V
4	* 2.384	36.26	RMS	31.9	-28.4	39.76	54	-14.24	-	-	132	128	V

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

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)



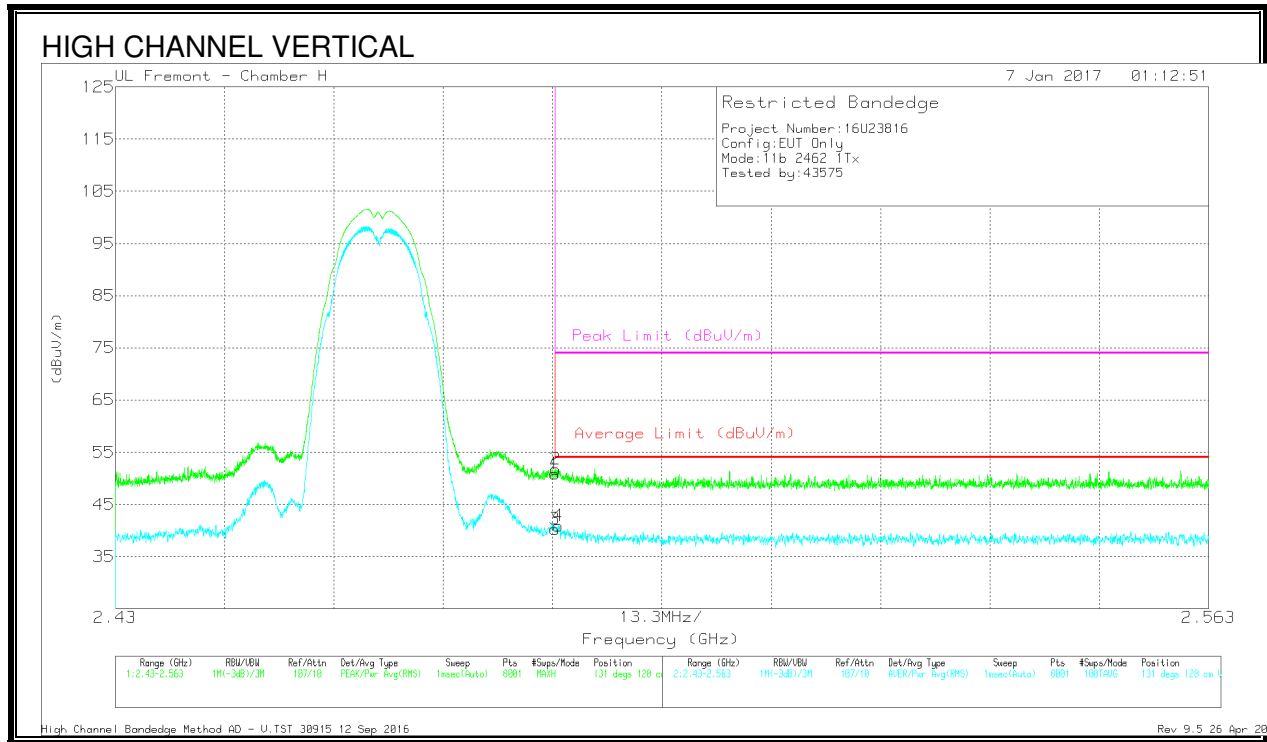
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fit r/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	49.34	Pk	32.2	-28.5	53.04	-	-	74	-20.96	151	113	H
2	* 2.484	50.24	Pk	32.2	-28.5	53.94	-	-	74	-20.06	151	113	H
3	* 2.484	39.06	RMS	32.2	-28.5	42.76	54	-11.24	-	-	151	113	H
4	* 2.484	39.34	RMS	32.2	-28.5	43.04	54	-10.96	-	-	151	113	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

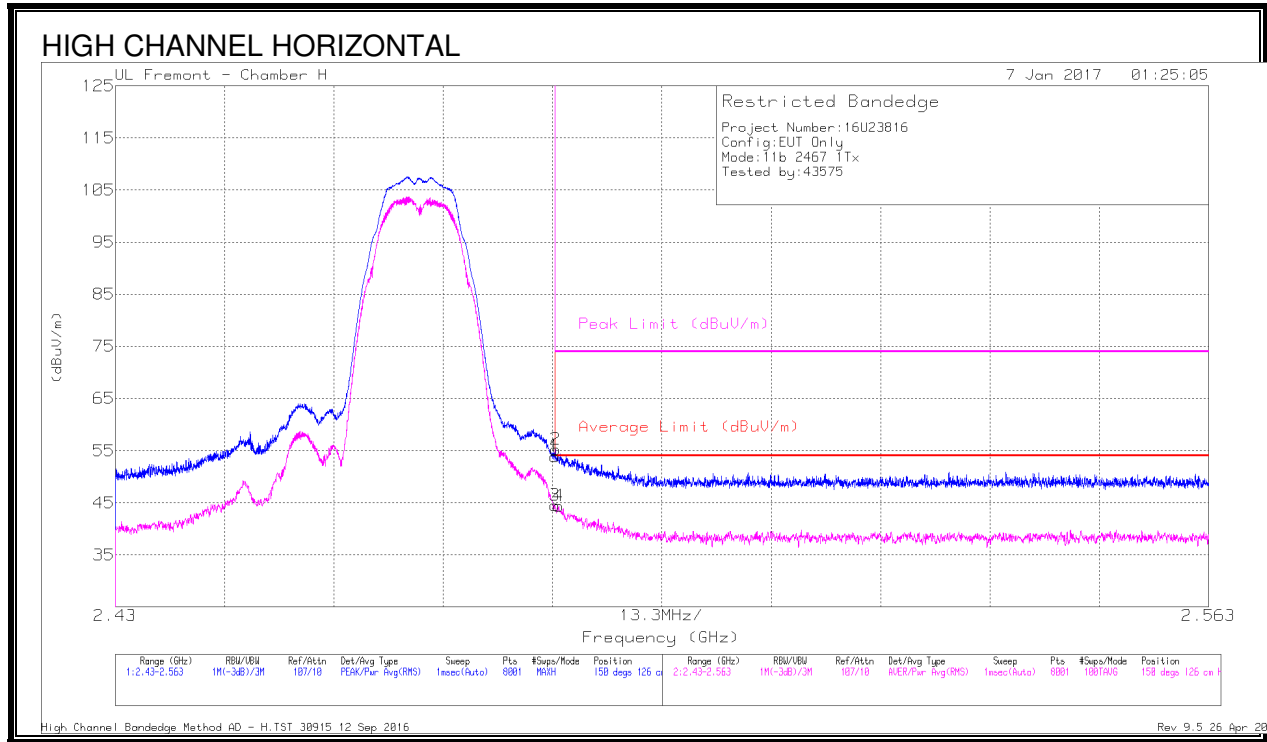
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.18	Pk	32.2	-28.5	50.88	-	-	74	-23.12	131	128	V
2	* 2.484	48.01	Pk	32.2	-28.5	51.71	-	-	74	-22.29	131	128	V
3	* 2.484	36.54	RMS	32.2	-28.5	40.24	54	-13.76	-	-	131	128	V
4	* 2.484	37.24	RMS	32.2	-28.5	40.94	54	-13.06	-	-	131	128	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



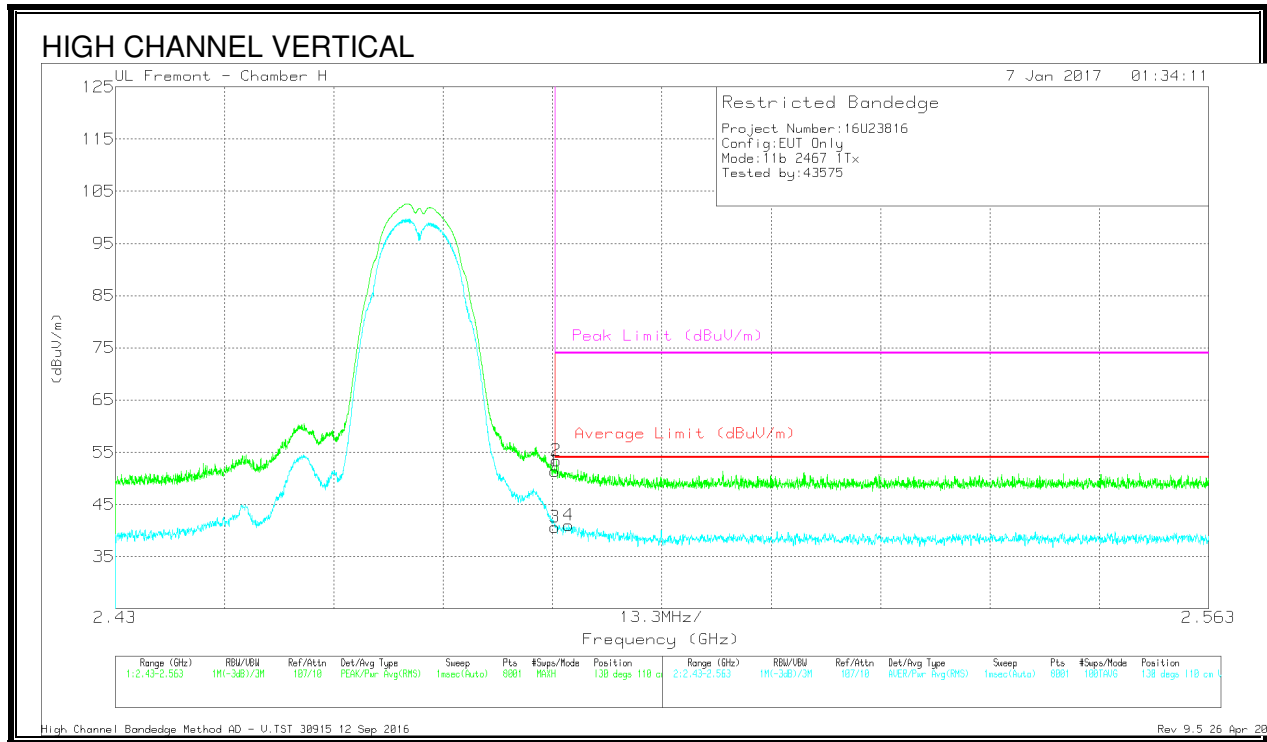
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Fit r/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	50.16	Pk	32.2	-28.5	53.86	-	-	74	-20.14	150	126	H
2	* 2.484	51.58	Pk	32.2	-28.5	55.28	-	-	74	-18.72	150	126	H
3	* 2.484	40.79	RMS	32.2	-28.5	44.49	54	-9.51	-	-	150	126	H
4	* 2.484	40.65	RMS	32.2	-28.5	44.35	54	-9.65	-	-	150	126	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

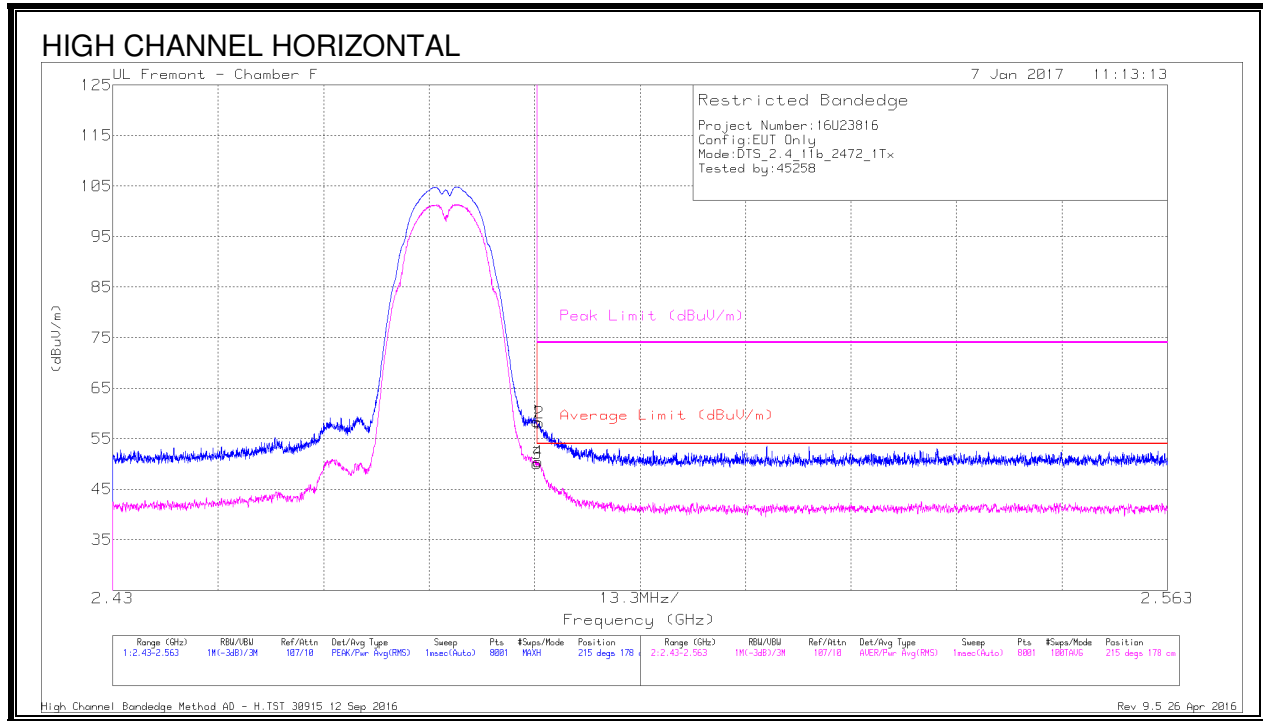
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.66	Pk	32.2	-28.5	51.36	-	-	74	-22.64	130	110	V
2	* 2.484	49.67	Pk	32.2	-28.5	53.37	-	-	74	-20.63	130	110	V
3	* 2.484	36.95	RMS	32.2	-28.5	40.65	54	-13.35	-	-	130	110	V
4	* 2.485	37.32	RMS	32.2	-28.5	41.02	54	-12.98	-	-	130	110	V

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

Pk - Peak detector

RMS - RMS detection

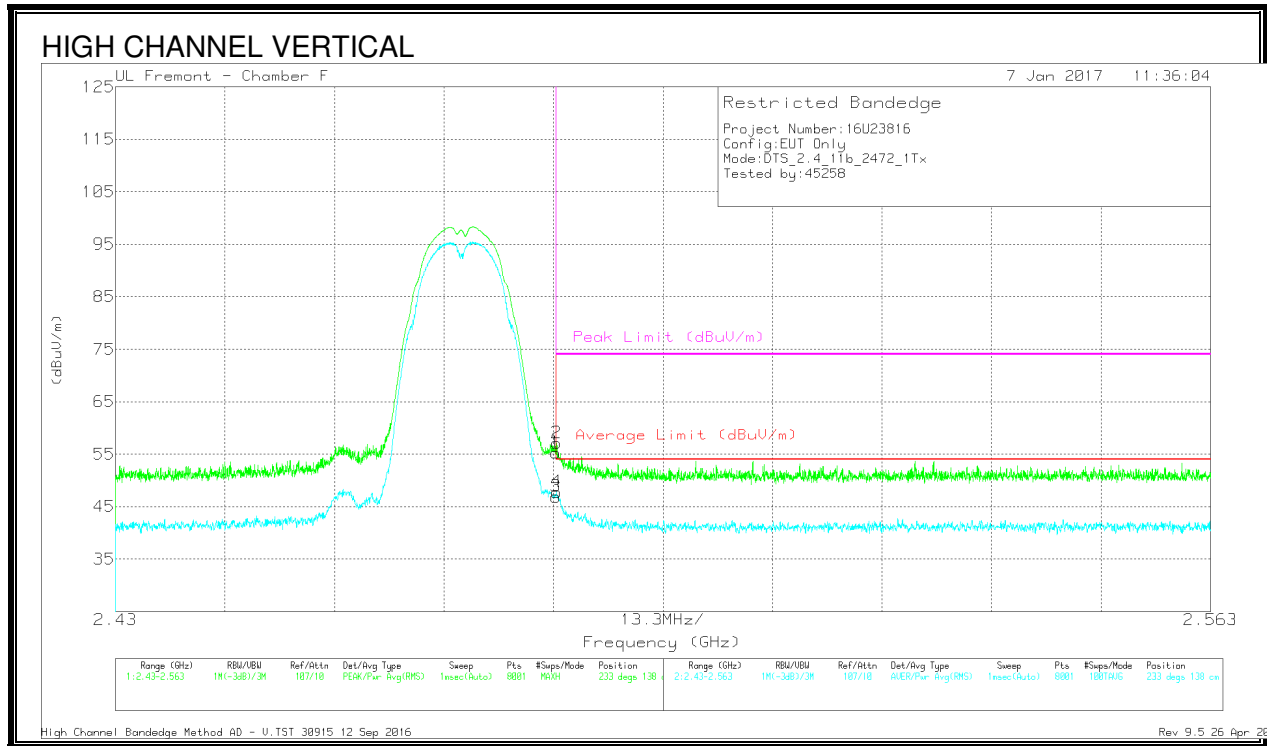
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Fit r/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	47.1	Pk	32.3	-21	58.4	-	-	74	-15.6	215	178	H
2	* 2.484	46.76	Pk	32.3	-21	58.06	-	-	74	-15.94	215	178	H
3	* 2.484	38.8	RMS	32.3	-21	50.1	54	-3.9	-	-	215	178	H
4	* 2.484	39.15	RMS	32.3	-21	50.45	54	-3.55	-	-	215	178	H

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

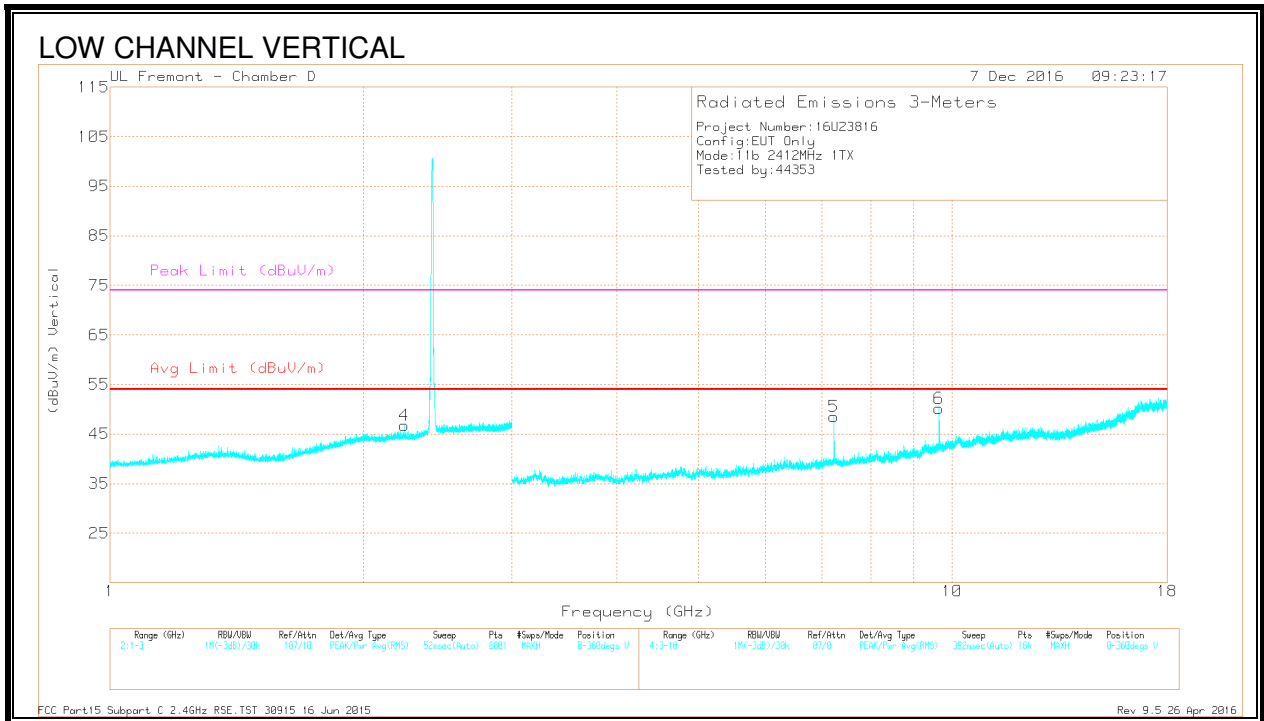
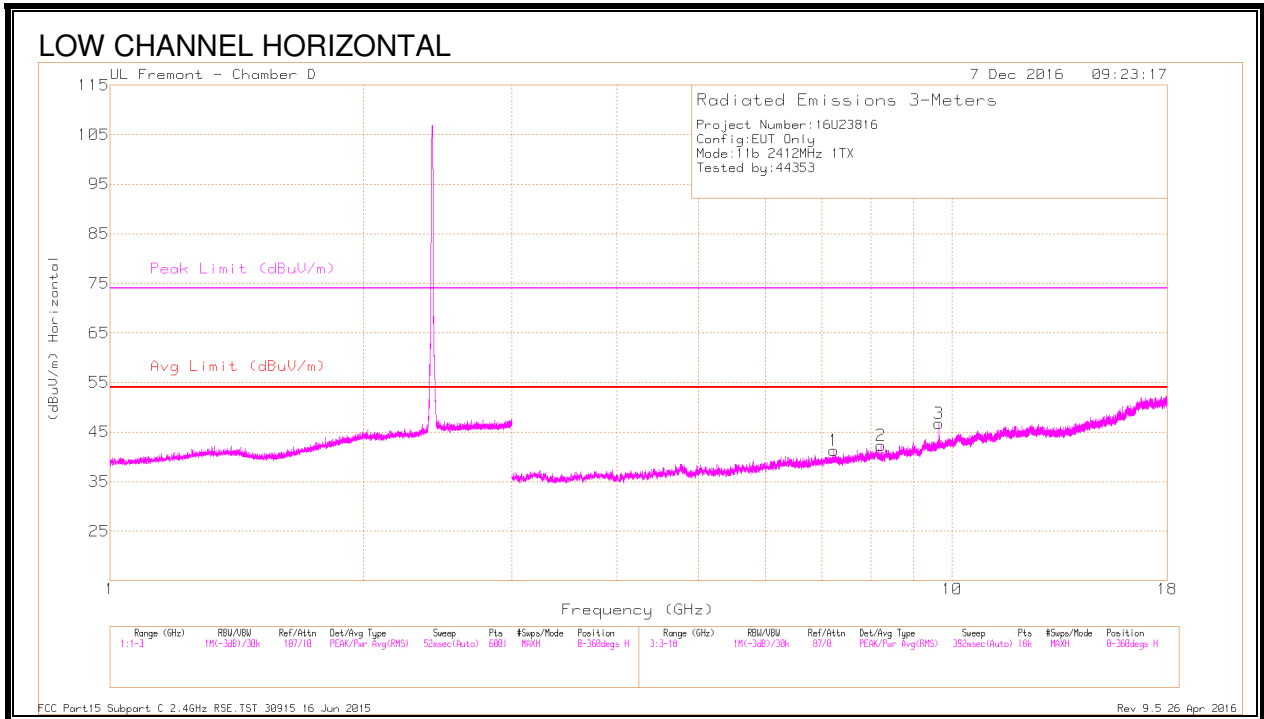


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Fit r/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	43.94	Pk	32.3	-21	55.24	-	-	74	-18.76	233	138	V
2	* 2.484	45.77	Pk	32.3	-21	57.07	-	-	74	-16.93	233	138	V
3	* 2.484	35.58	RMS	32.3	-21	46.88	54	-7.12	-	-	233	138	V
4	* 2.484	36.45	RMS	32.3	-21	47.75	54	-6.25	-	-	233	138	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)



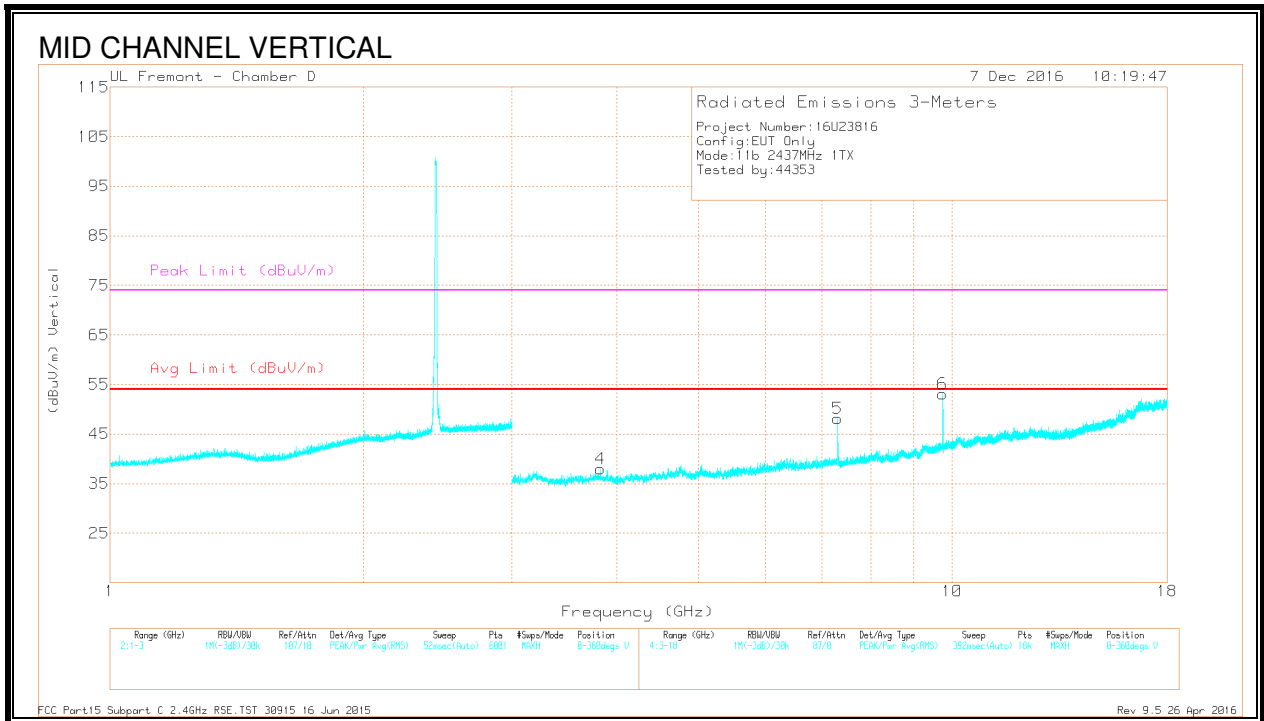
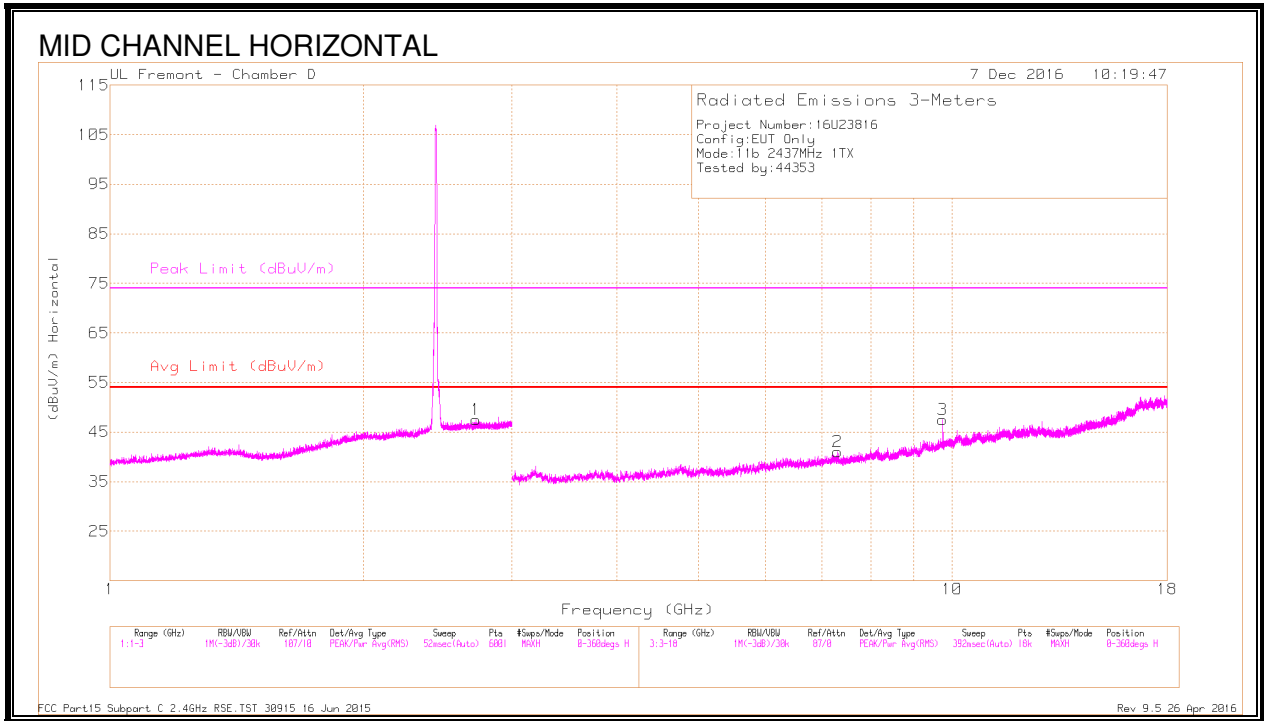
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.237	43.3	PK2	35.7	-24.8	54.2	-	-	-	-	136	112	V
2	* 8.238	34.96	PK2	35.8	-24.3	46.46	-	-	74	-27.54	161	102	H
	* 8.229	25.16	MAv1	35.8	-24.3	36.66	54	-17.34	-	-	161	102	H
3	9.648	36.18	PK2	36.7	-21.2	51.68	-	-	-	-	76	279	H
4	* 2.234	41.39	PK2	31.5	-20.9	51.99	-	-	74	-22.01	0	247	V
	* 2.235	30.68	MAv1	31.5	-20.9	41.28	54	-12.72	-	-	0	247	V
5	7.235	38.38	PK2	35.7	-24.8	49.28	-	-	-	-	160	321	H
6	9.648	40.28	PK2	36.7	-21.2	55.78	-	-	-	-	43	147	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)



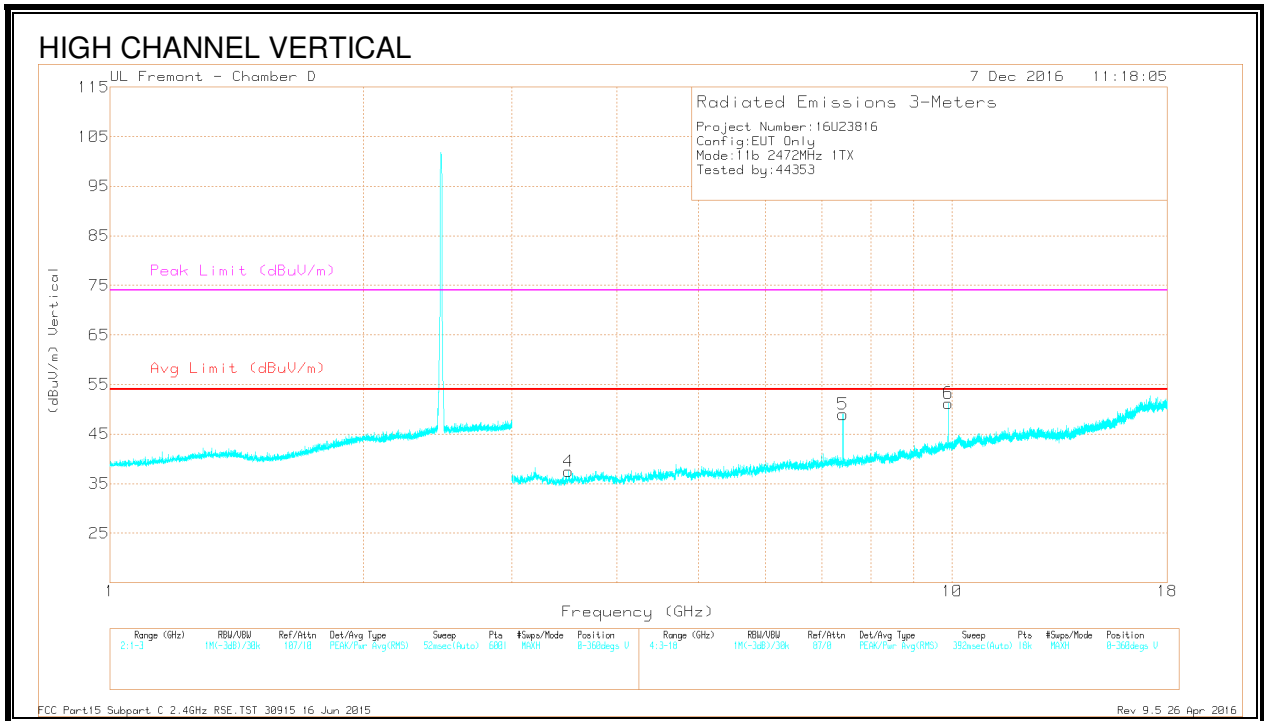
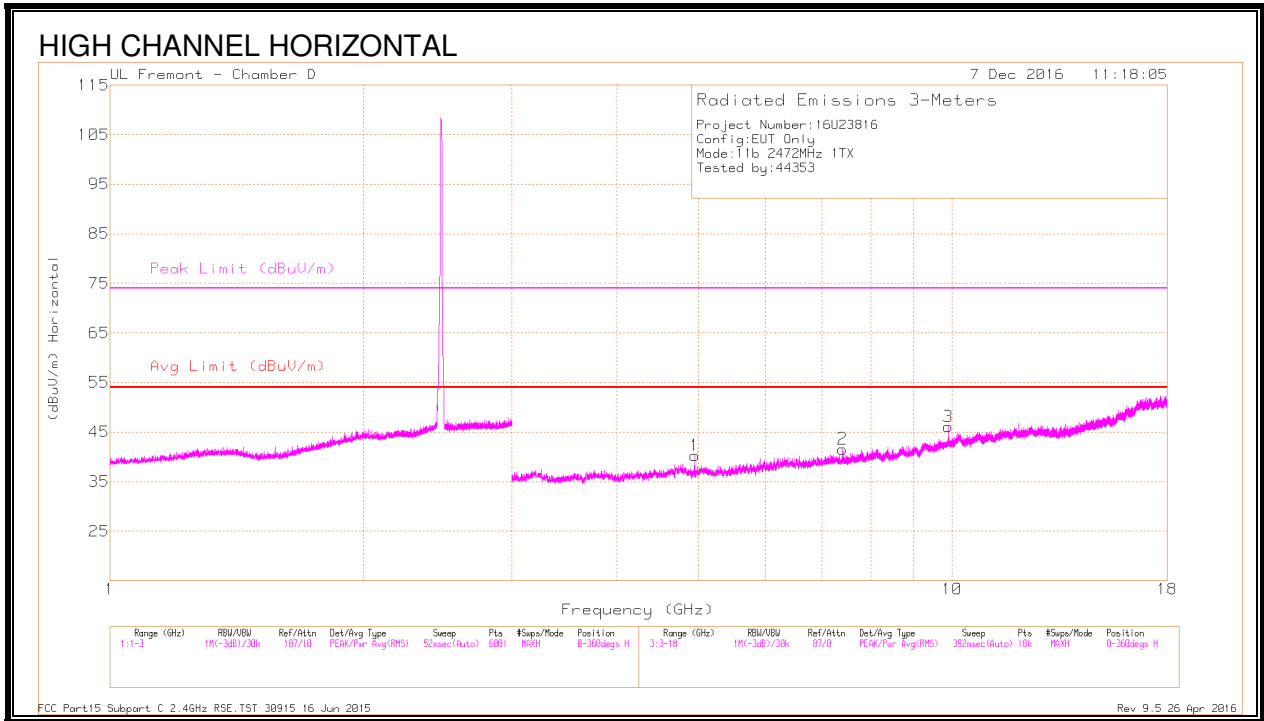
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.718	41.37	PK2	32.4	-20.5	53.27	-	-	74	-20.73	65	201	H
	* 2.719	30.95	MAv1	32.4	-20.5	42.85	54	-11.15	-	-	65	201	H
2	* 7.309	37.45	PK2	35.7	-25.1	48.05	-	-	74	-25.95	328	305	H
	* 7.313	28.61	MAv1	35.7	-25.3	39.01	54	-14.99	-	-	328	305	H
3	9.748	38.25	PK2	36.9	-21.8	53.35	-	-	-	-	244	383	H
4	* 3.822	38.16	PK2	33.5	-28.5	43.16	-	-	74	-30.84	244	239	V
	* 3.821	28.09	MAv1	33.5	-28.5	33.09	54	-20.91	-	-	244	239	V
5	* 7.31	41.48	PK2	35.7	-25.1	52.08	-	-	74	-21.92	319	174	V
	* 7.312	35.17	MAv1	35.7	-25.2	45.67	54	-8.33	-	-	319	174	V
6	9.748	41.8	PK2	36.9	-21.8	56.9	-	-	-	-	254	145	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 13)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/FI tr/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	* 4.944	39.59	PK2	34.1	-28.1	45.59	-	-	74	-28.41	31	114	H
	* 4.944	32.24	MAv1	34.1	-28.1	38.24	54	-15.76	-	-	31	114	H
2	* 7.416	39.19	PK2	35.6	-25	49.79	-	-	74	-24.21	149	400	H
	* 7.417	31	MAv1	35.6	-25	41.6	54	-12.4	-	-	149	400	H
3	9.888	39.55	PK2	37	-20.8	55.75	-	-	-	-	74	194	V
4	3.5	38.85	PK2	33	-28.4	43.45	-	-	-	-	335	201	V
5	* 7.417	43.01	PK2	35.6	-25	53.61	-	-	74	-20.39	127	126	V
	* 7.417	37.55	MAv1	35.6	-25	48.15	54	-5.85	-	-	127	126	V
6	9.888	36.71	PK2	37	-20.8	52.91	-	-	-	-	179	229	H

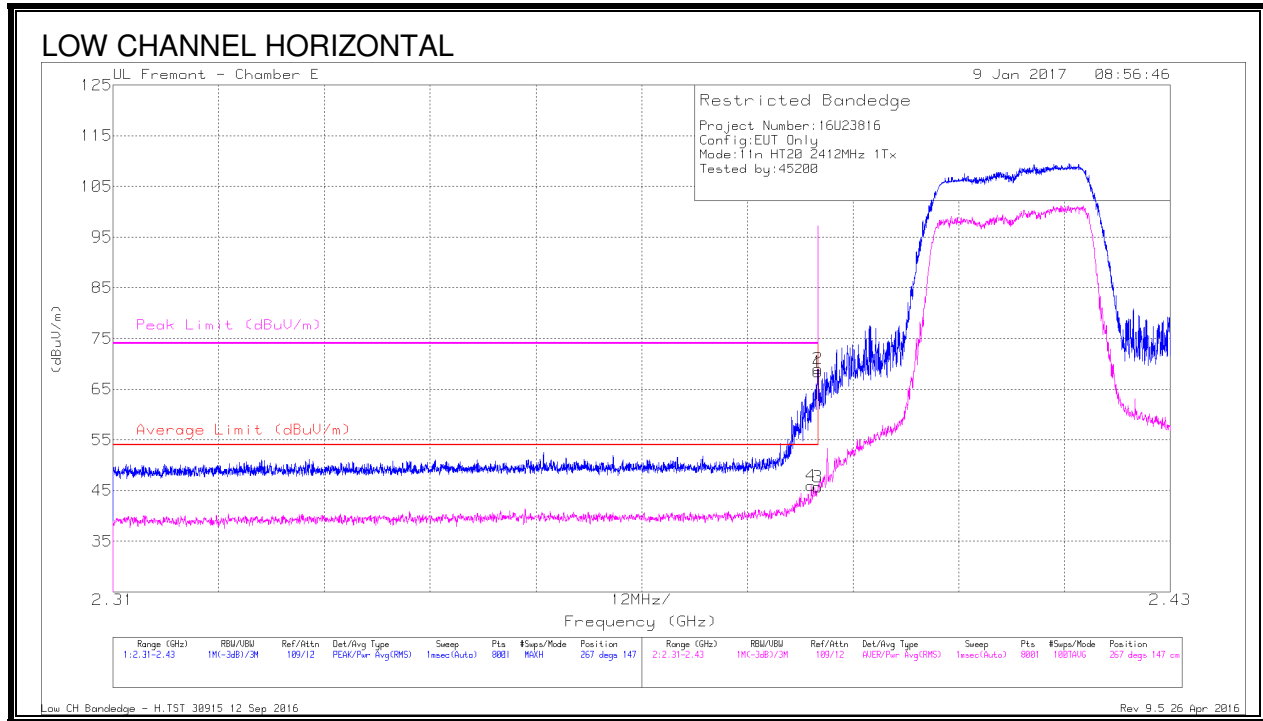
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. 11n HT20 ANTENNA A SISO MODE IN THE 2.4GHZ BAND

AUTHORIZED BANDEGE (LOW CHANNEL, CH 1)



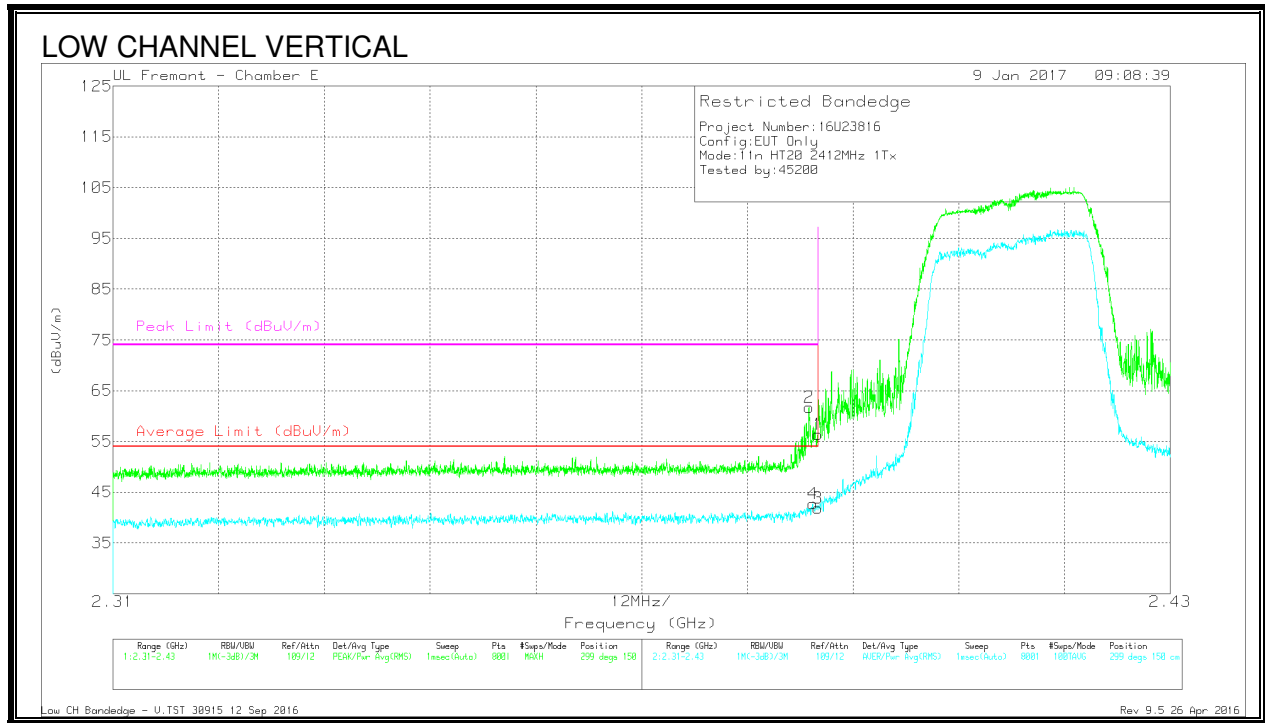
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fit r/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	56.05	Pk	32.1	-19.7	68.45	-	-	74	-5.55	267	147	H
2	* 2.39	56.66	Pk	32.1	-19.7	69.06	-	-	74	-4.94	267	147	H
3	* 2.39	33.26	RMS	32.1	-19.7	45.66	54	-8.34	-	-	267	147	H
4	* 2.389	33.5	RMS	32.1	-19.7	45.9	54	-8.1	-	-	267	147	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

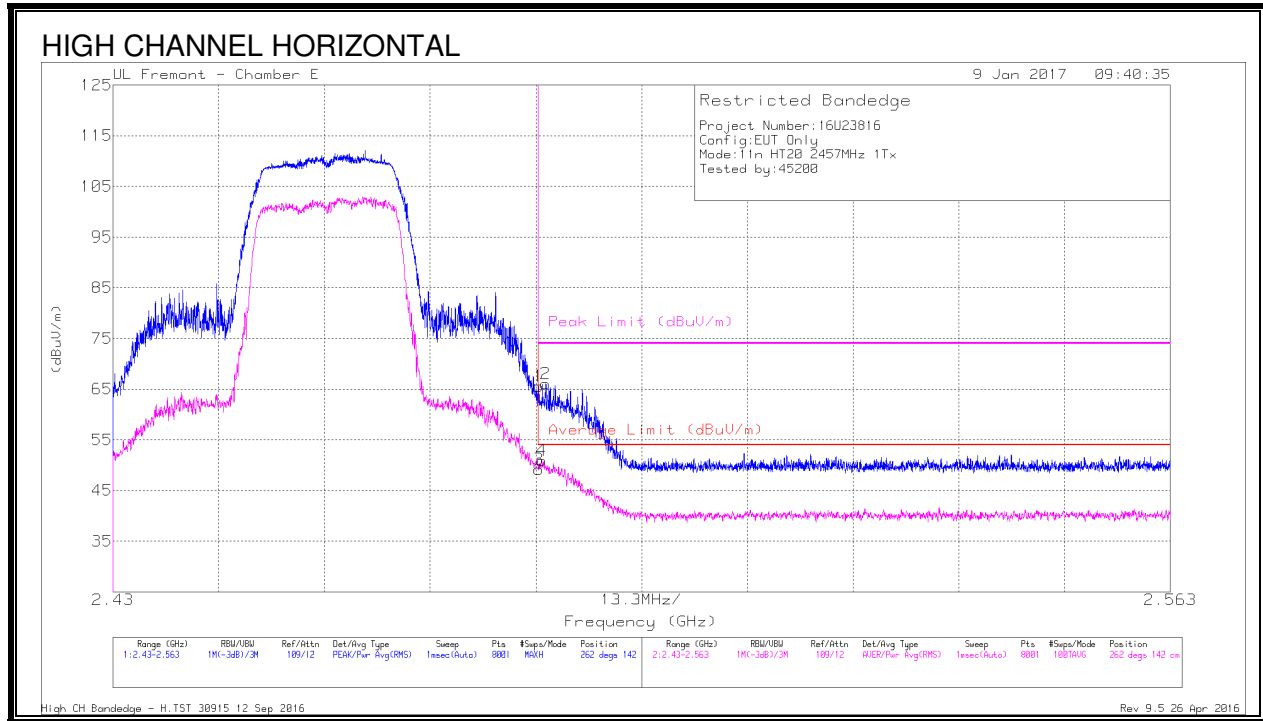
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filter/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.92	Pk	32.1	-19.7	56.32	-	-	74	-17.68	299	150	V
2	* 2.389	49.36	Pk	32.1	-19.7	61.76	-	-	74	-12.24	299	150	V
3	* 2.39	29.5	RMS	32.1	-19.7	41.9	54	-12.1	-	-	299	150	V
4	* 2.389	30.29	RMS	32.1	-19.7	42.69	54	-11.31	-	-	299	150	V

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

Pk - Peak detector

RMS - RMS detection

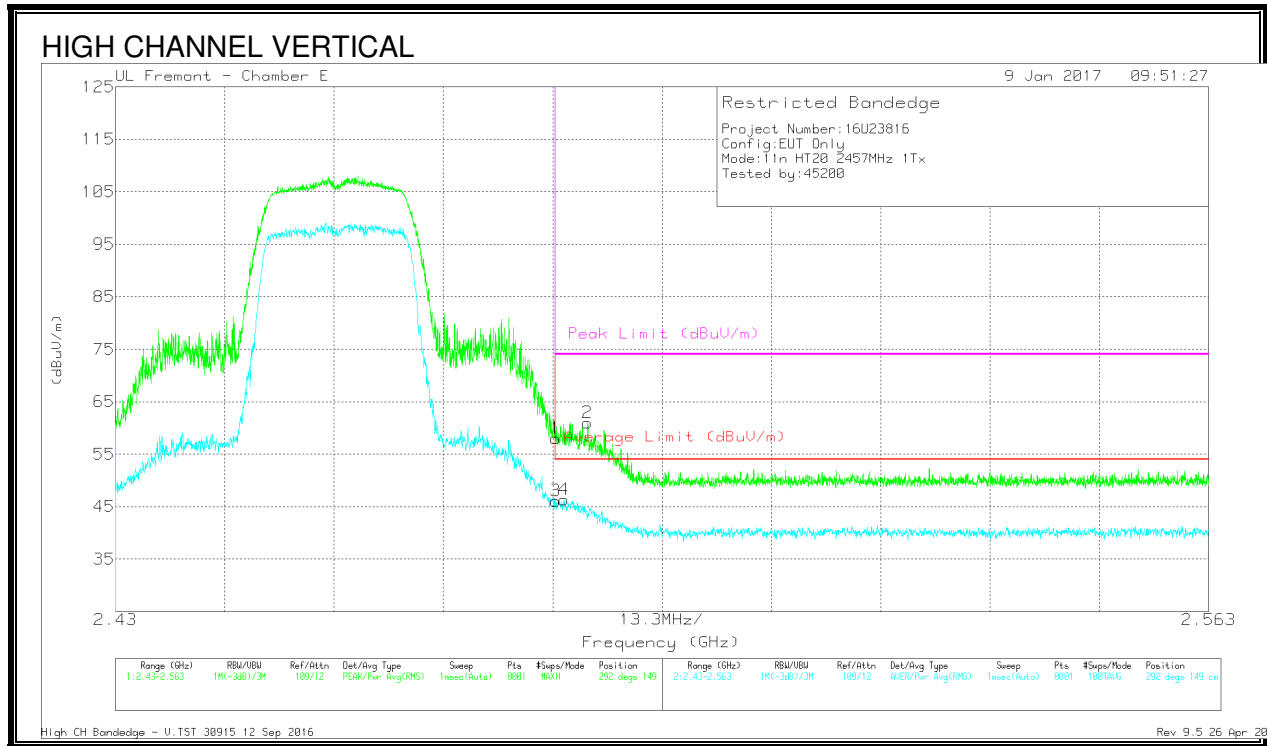
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 10)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	52.94	Pk	32.3	-19.7	65.54	-	-	74	-8.46	262	142	H
2	* 2.484	53.48	Pk	32.3	-19.7	66.08	-	-	74	-7.92	262	142	H
3	* 2.484	36.63	RMS	32.3	-19.7	49.23	54	-4.77	-	-	262	142	H
4	* 2.484	38.34	RMS	32.3	-19.7	50.94	54	-3.06	-	-	262	142	H

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

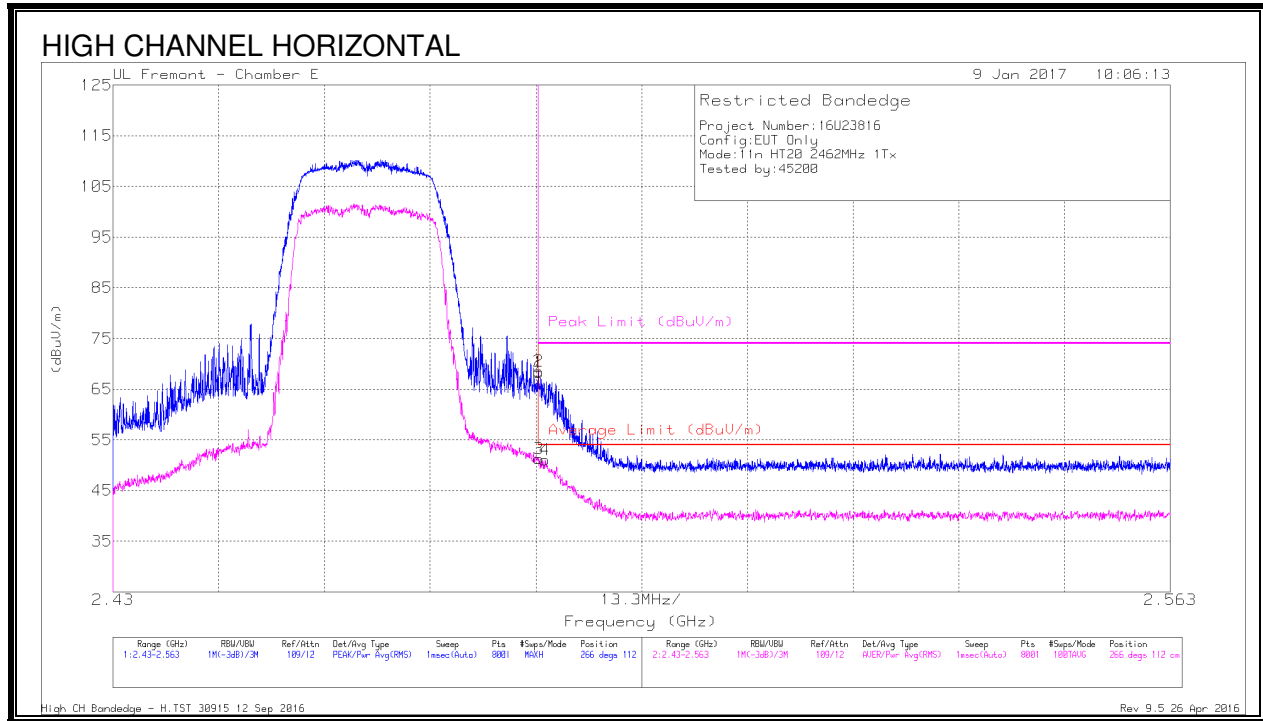


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Fit r/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	45.41	Pk	32.3	-19.7	58.01	-	-	74	-15.99	292	149	V
2	* 2.487	48.59	Pk	32.3	-19.9	60.99	-	-	74	-13.01	292	149	V
3	* 2.484	33.47	RMS	32.3	-19.7	46.07	54	-7.93	-	-	292	149	V
4	* 2.485	33.68	RMS	32.3	-19.7	46.28	54	-7.72	-	-	292	149	V

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

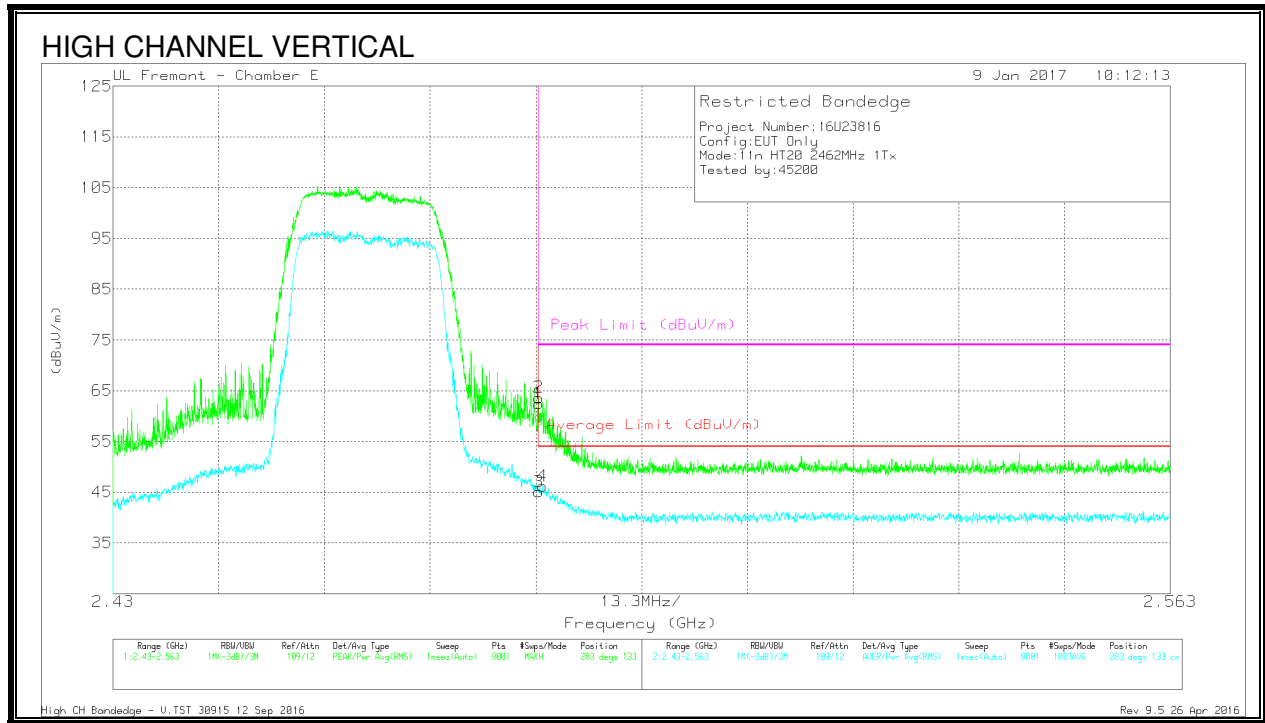
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.71	Pk	32.3	-19.7	68.31	-	-	74	-5.69	266	112	H
2	* 2.484	55.96	Pk	32.3	-19.7	68.56	-	-	74	-5.44	266	112	H
3	* 2.484	38.71	RMS	32.3	-19.7	51.31	54	-2.69	-	-	266	112	H
4	* 2.484	38.46	RMS	32.3	-19.7	51.06	54	-2.94	-	-	266	112	H

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



Trace Markers

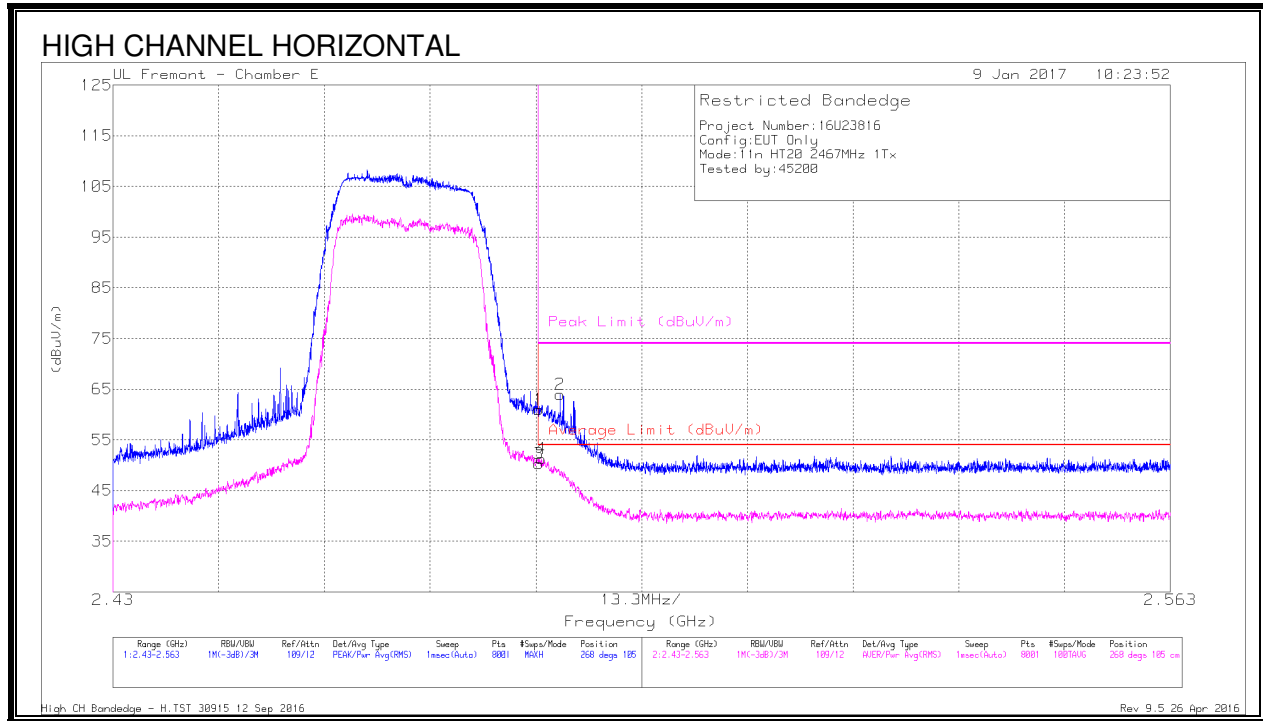
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.83	Pk	32.3	-19.7	62.43	-	-	74	-11.57	283	133	V
2	* 2.484	51.04	Pk	32.3	-19.7	63.64	-	-	74	-10.36	283	133	V
3	* 2.484	32.47	RMS	32.3	-19.7	45.07	54	-8.93	-	-	283	133	V
4	* 2.484	33.65	RMS	32.3	-19.7	46.25	54	-7.75	-	-	283	133	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



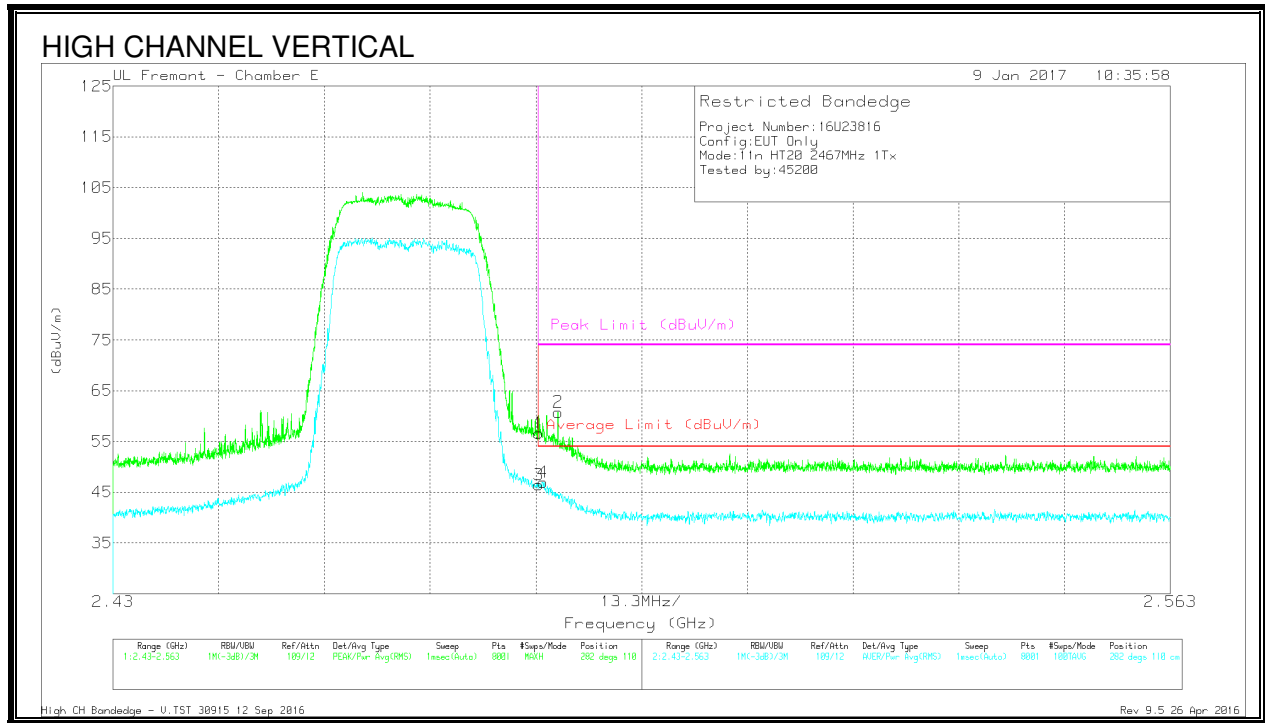
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	48.39	Pk	32.3	-19.7	60.99	-	-	74	-13.01	268	105	H
2	* 2.486	51.44	Pk	32.3	-19.8	63.94	-	-	74	-10.06	268	105	H
3	* 2.484	37.73	RMS	32.3	-19.7	50.33	54	-3.67	-	-	268	105	H
4	* 2.484	38.63	RMS	32.3	-19.7	51.23	54	-2.77	-	-	268	105	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

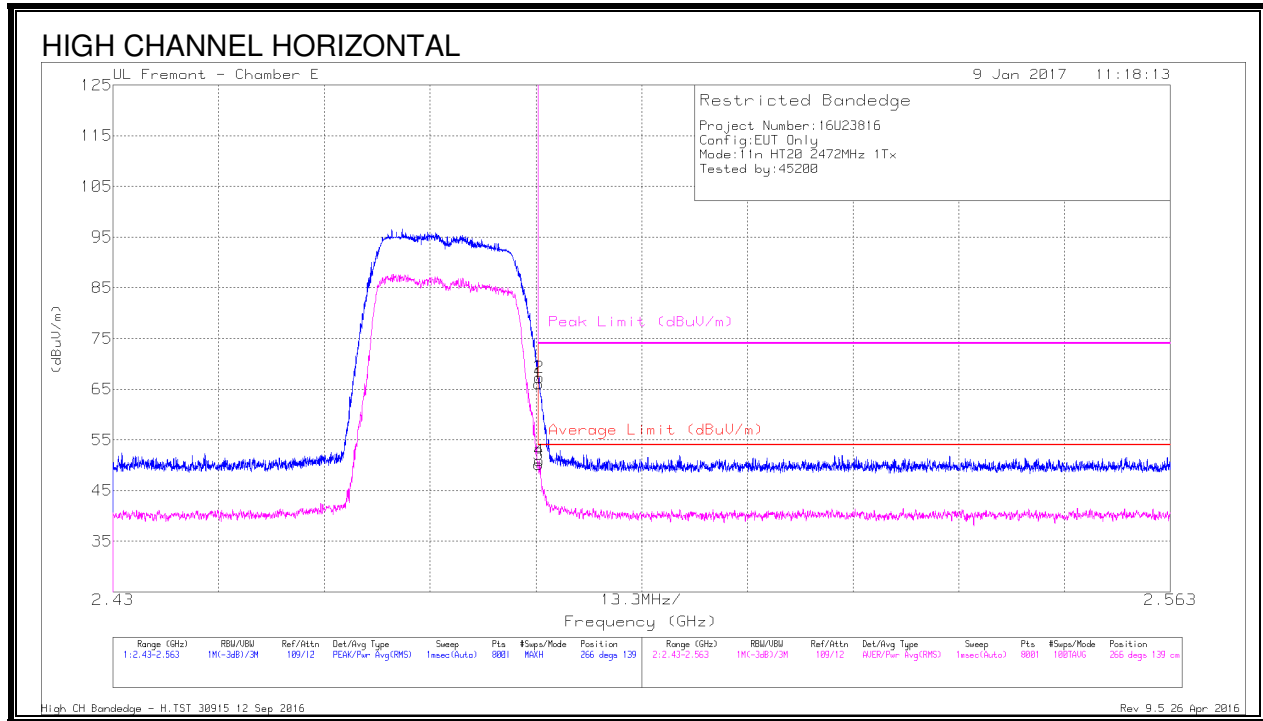
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Fl tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.06	Pk	32.3	-19.7	56.66	-	-	74	-17.34	282	110	V
2	* 2.486	48.28	Pk	32.3	-19.8	60.78	-	-	74	-13.22	282	110	V
3	* 2.484	33.79	RMS	32.3	-19.7	46.39	54	-7.61	-	-	282	110	V
4	* 2.484	34.38	RMS	32.3	-19.7	46.98	54	-7.02	-	-	282	110	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



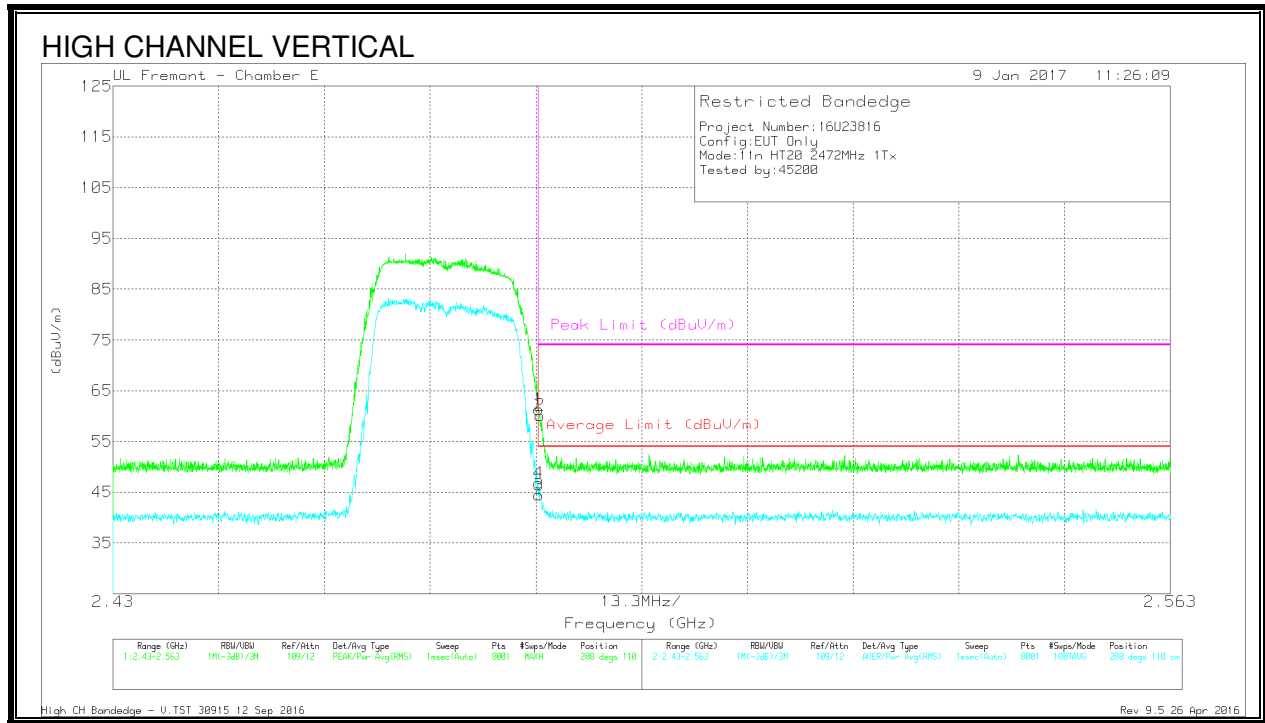
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	53.5	Pk	32.3	-19.7	66.1	-	-	74	-7.9	266	139	H
2	* 2.484	54.71	Pk	32.3	-19.7	67.31	-	-	74	-6.69	266	139	H
3	* 2.484	37.61	RMS	32.3	-19.7	50.21	54	-3.79	-	-	266	139	H
4	* 2.484	38.26	RMS	32.3	-19.7	50.86	54	-3.14	-	-	266	139	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

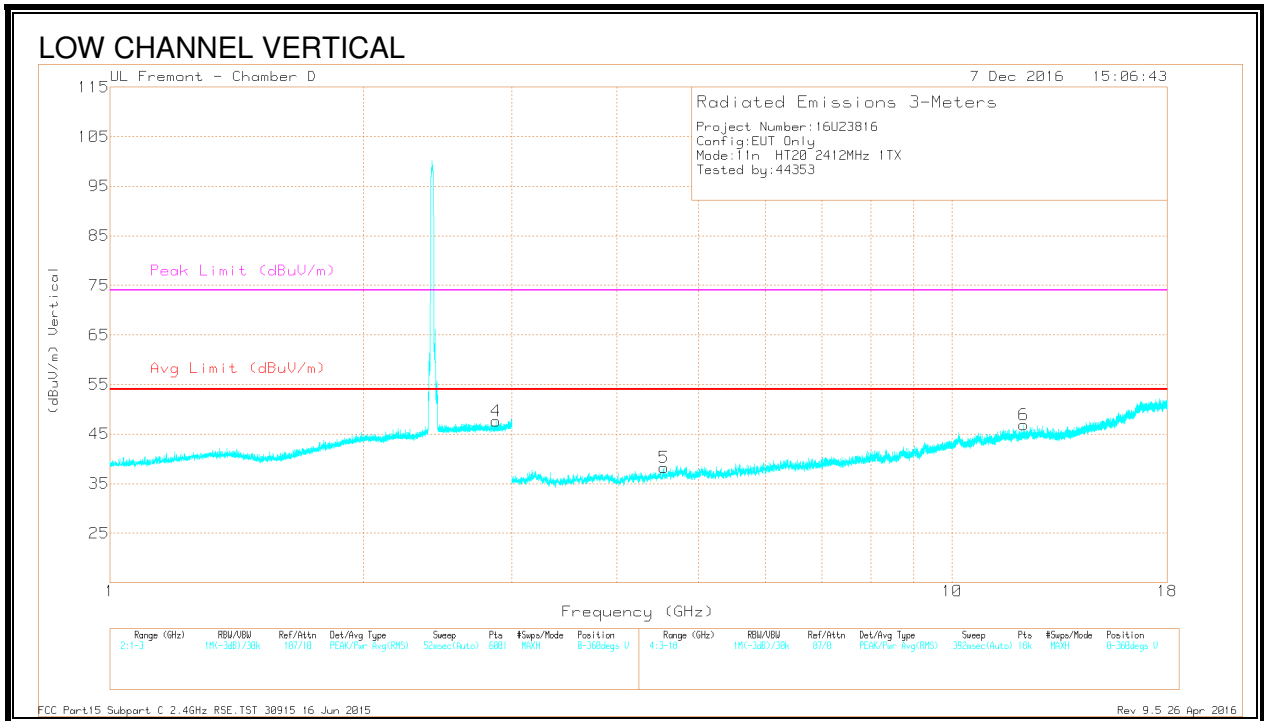
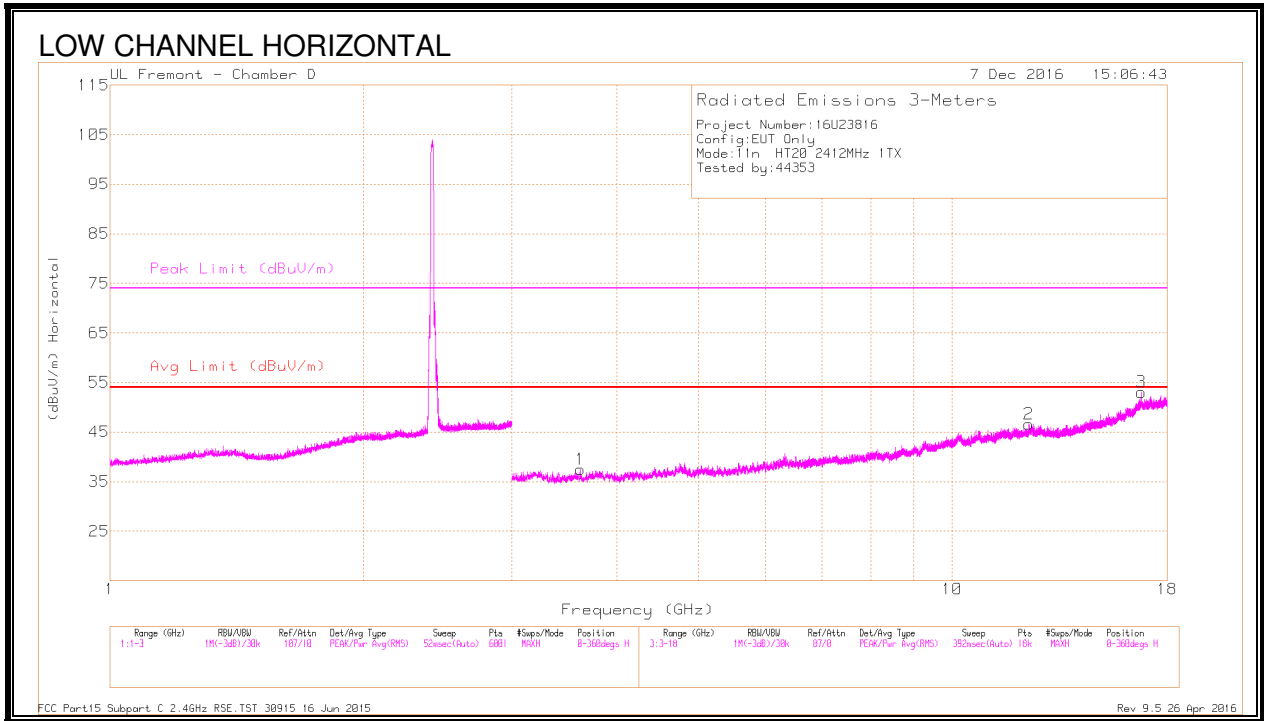
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.75	Pk	32.3	-19.7	61.35	-	-	74	-12.65	288	110	V
2	* 2.484	47.56	Pk	32.3	-19.7	60.16	-	-	74	-13.84	288	110	V
3	* 2.484	31.87	RMS	32.3	-19.7	44.47	54	-9.53	-	-	288	110	V
4	* 2.484	34.27	RMS	32.3	-19.7	46.87	54	-7.13	-	-	288	110	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL, CH 1)



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/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	* 3.617	39.38	PK2	33.3	-28.4	44.28	-	-	74	-29.72	37	158	H
	* 3.615	28.35	MAv1	33.3	-28.4	33.25	54	-20.75	-	-	37	158	H
2	* 12.32	35.38	PK2	39	-21.5	52.88	-	-	74	-21.12	217	312	H
	* 12.322	24.48	MAv1	39	-21.4	42.08	54	-11.92	-	-	217	312	H
3	16.773	23.89	MAv1	41.8	-17.5	48.19	-	-	-	-	330	129	H
	16.774	34.24	PK2	41.8	-17.4	58.64	-	-	-	-	330	129	H
4	* 2.871	40.92	PK2	32.3	-20.2	53.02	-	-	74	-20.98	128	246	V
	* 2.873	30.59	MAv1	32.3	-20.2	42.69	54	-11.31	-	-	128	246	V
5	* 4.546	38.25	PK2	34	-27.9	44.35	-	-	74	-29.65	271	176	V
	* 4.544	28.21	MAv1	34	-27.8	34.41	54	-19.59	-	-	271	176	V
6	* 12.166	34.22	PK2	39	-21	52.22	-	-	74	-21.78	162	334	V
	* 12.166	24.22	MAv1	39	-21	42.22	54	-11.78	-	-	162	334	V

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

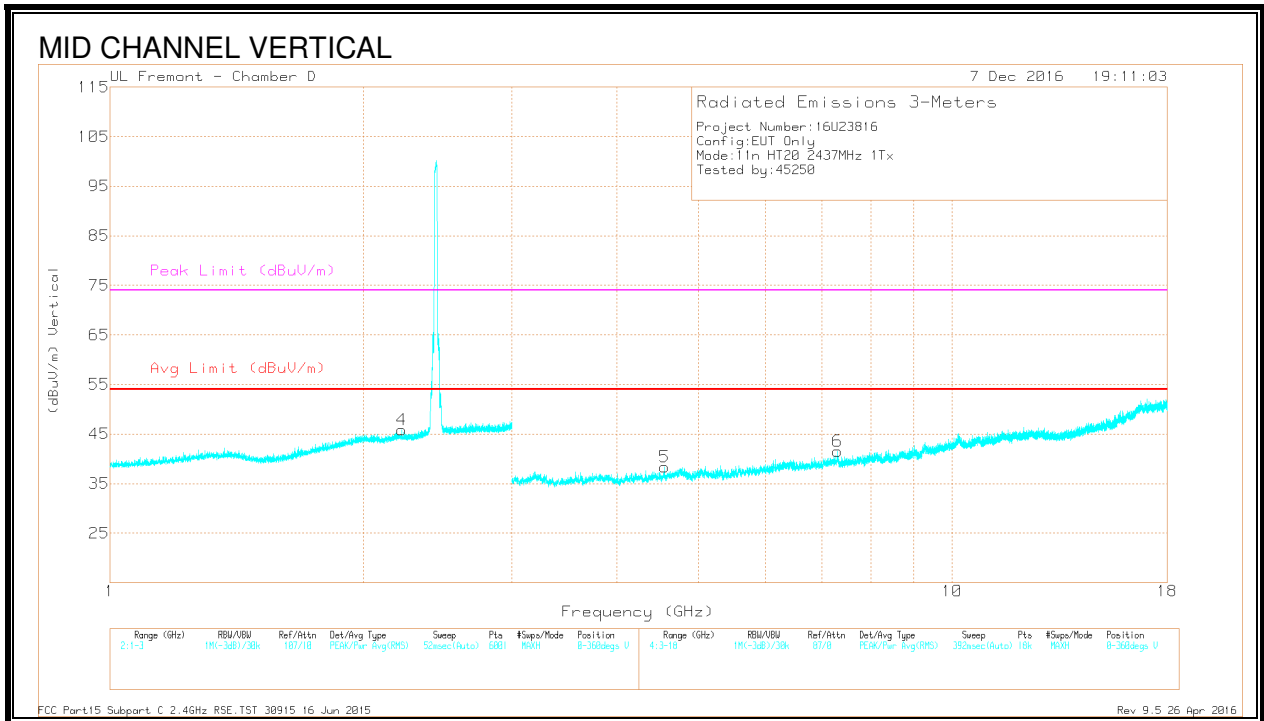
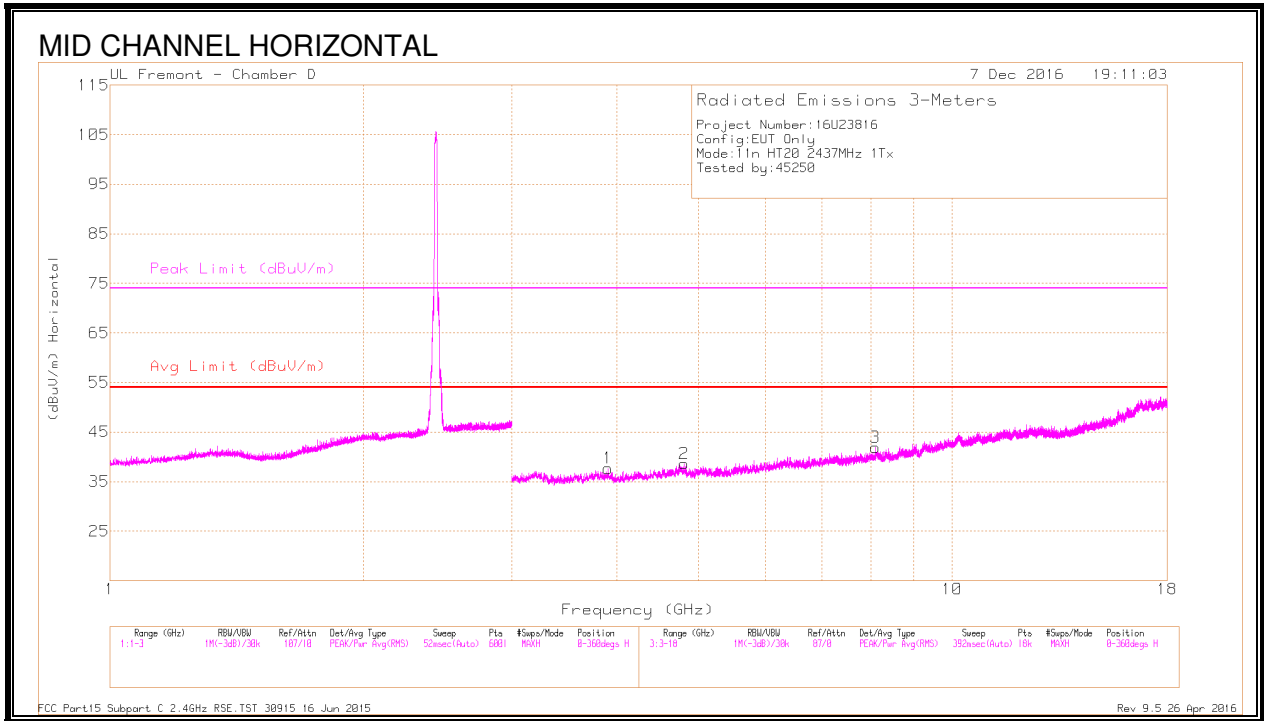
PK2 - KDB558074 Method: Maximum Peak

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 MID CHANNEL, CH 6)



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/FI tr/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	* 3.901	38.42	PK2	33.5	-28.3	43.62	-	-	74	-30.38	249	126	H
	* 3.898	27.48	MAv1	33.5	-28.3	32.68	54	-21.32	-	-	249	126	H
2	* 4.807	37.43	PK2	34.1	-26.8	44.73	-	-	74	-29.27	33	361	H
	* 4.807	26.77	MAv1	34.1	-26.8	34.07	54	-19.93	-	-	33	361	H
3	* 8.104	35.78	PK2	35.7	-23.5	47.98	-	-	74	-26.02	312	250	H
	* 8.102	24.87	MAv1	35.7	-23.6	36.97	54	-17.03	-	-	312	250	H
4	* 2.219	41.23	PK2	31.6	-21	51.83	-	-	74	-22.17	79	118	V
	* 2.22	30.13	MAv1	31.5	-21	40.63	54	-13.37	-	-	79	118	V
5	* 4.553	37.93	PK2	34	-27.9	44.03	-	-	74	-29.97	119	356	V
	* 4.555	27.5	MAv1	34.1	-27.9	33.7	54	-20.3	-	-	119	356	V
6	* 7.304	37.12	PK2	35.7	-24.8	48.02	-	-	74	-25.98	244	190	V
	* 7.303	26.5	MAv1	35.7	-24.8	37.4	54	-16.6	-	-	244	190	V

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

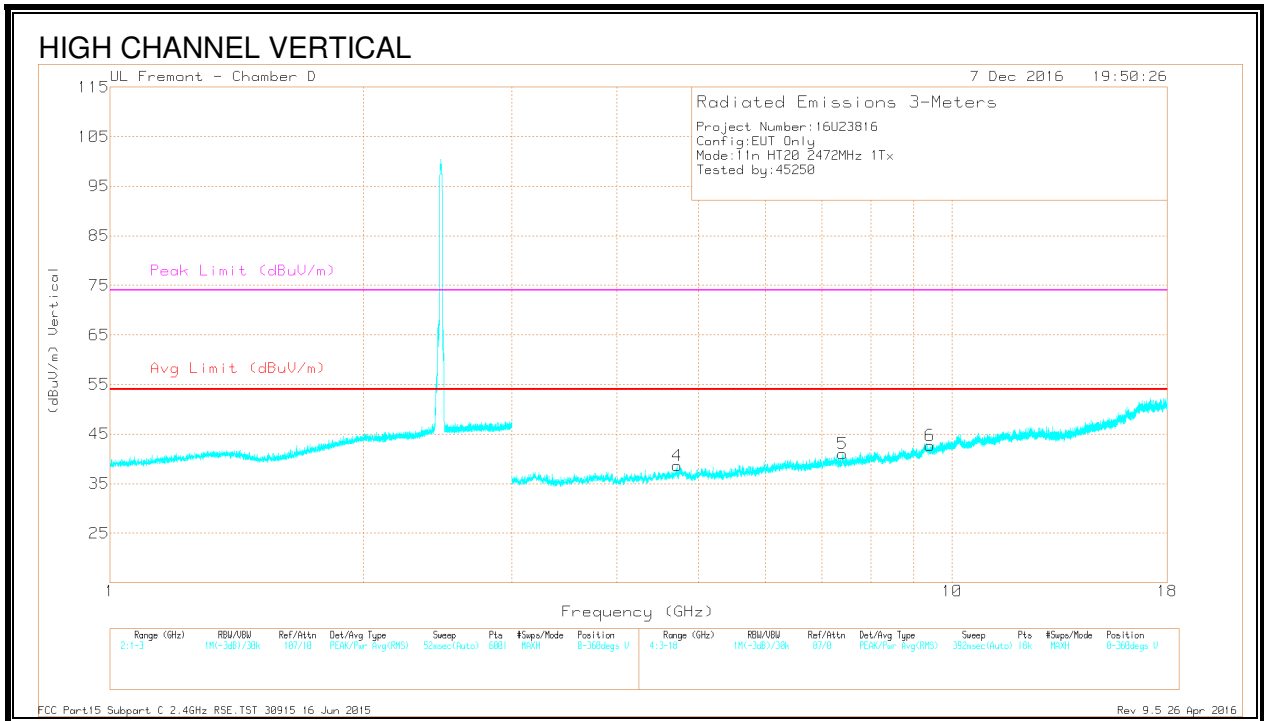
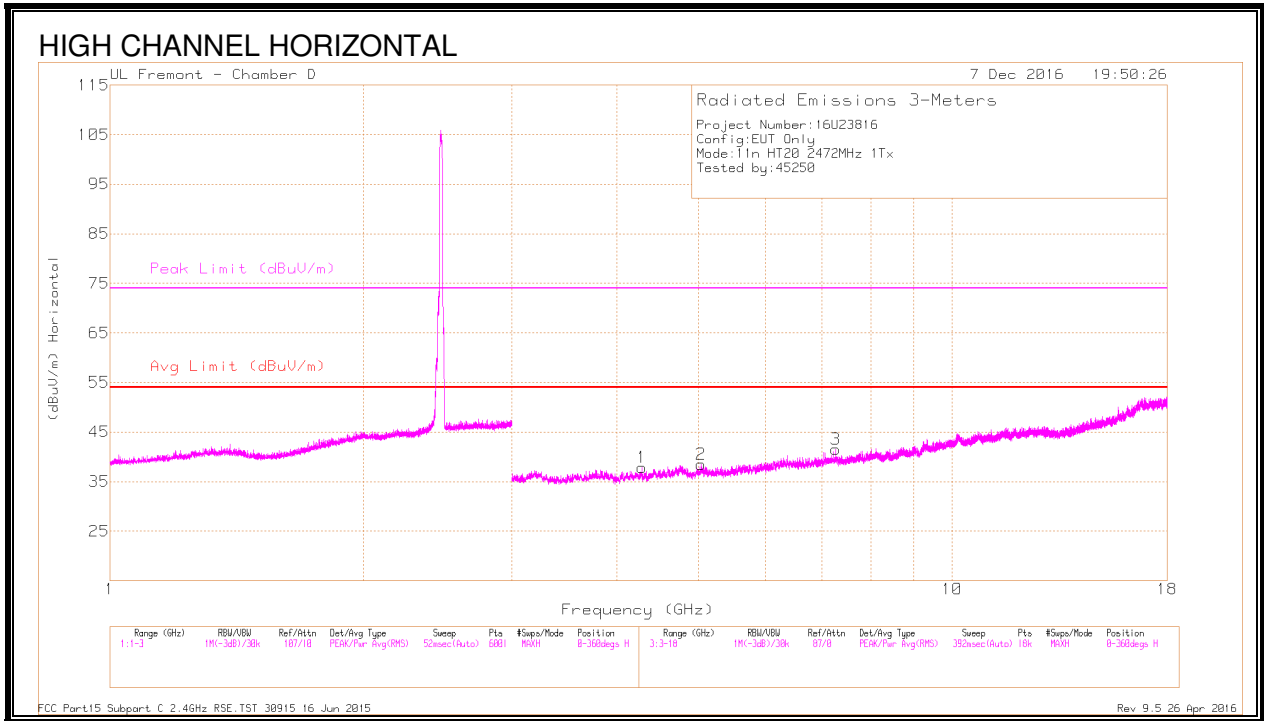
PK2 - KDB558074 Method: Maximum Peak

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)



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/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	* 4.282	37.63	PK2	33.5	-28.1	43.03	-	-	74	-30.97	156	166	H
	* 4.28	27.34	MAv1	33.5	-28	32.84	54	-21.16	-	-	156	166	H
2	* 5.029	37.99	PK2	34	-26.6	45.39	-	-	74	-28.61	7	161	H
	* 5.03	26.35	MAv1	34	-26.5	33.85	54	-20.15	-	-	7	161	H
3	* 7.275	36.49	PK2	35.7	-25	47.19	-	-	74	-26.81	315	245	H
	* 7.273	26.02	MAv1	35.7	-25	36.72	54	-17.28	-	-	315	245	H
4	* 4.713	38.41	PK2	34	-27.2	45.21	-	-	74	-28.79	123	351	V
	* 4.714	27.97	MAv1	34	-27.2	34.77	54	-19.23	-	-	123	351	V
5	* 7.406	36.43	PK2	35.6	-24.9	47.13	-	-	74	-26.87	231	192	V
	* 7.406	25.66	MAv1	35.6	-24.9	36.36	54	-17.64	-	-	231	192	V
6	* 9.404	34.26	PK2	36.5	-21.7	49.06	-	-	74	-24.94	106	135	V
	* 9.406	24.2	MAv1	36.5	-21.7	39	54	-15	-	-	106	135	V

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

PK2 - KDB558074 Method: Maximum Peak

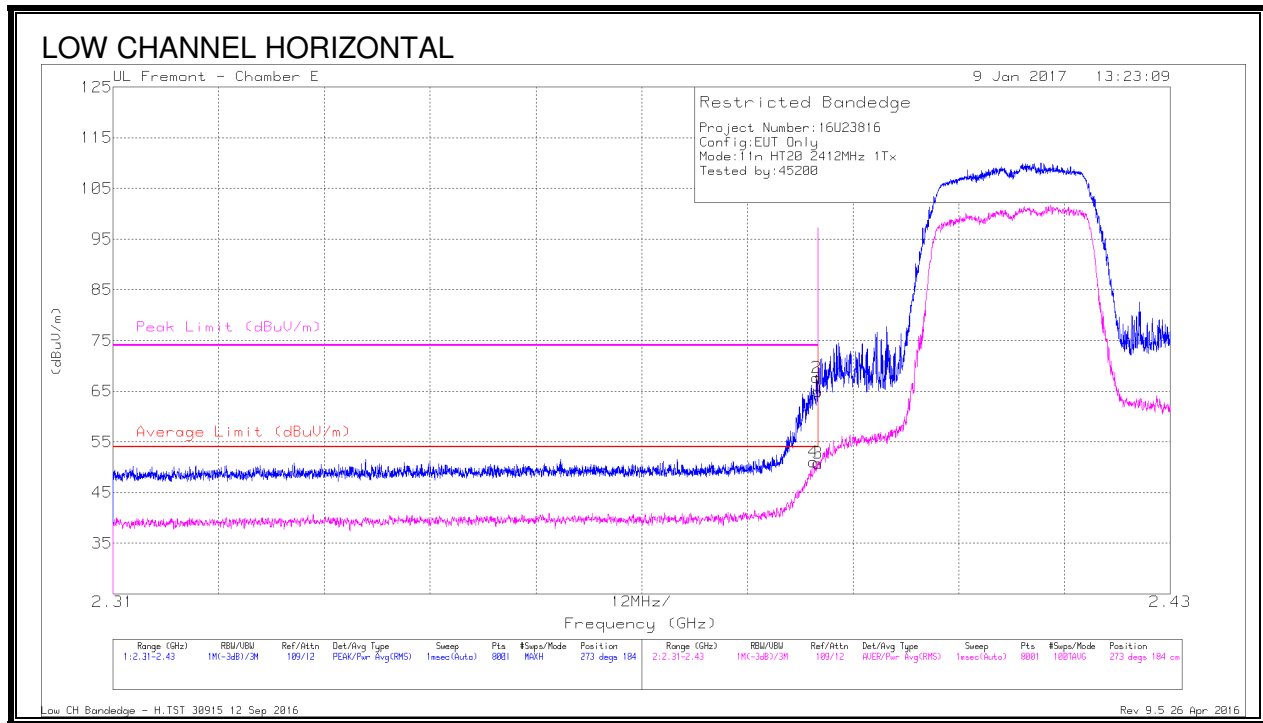
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

Rev 9.5 26 Apr 2016

9.2.4. 11n HT20 ANTENNA B SISO MODE IN THE 2.4GHZ BAND

AUTHORIZED BANDEGE (LOW CHANNEL, CH 1)



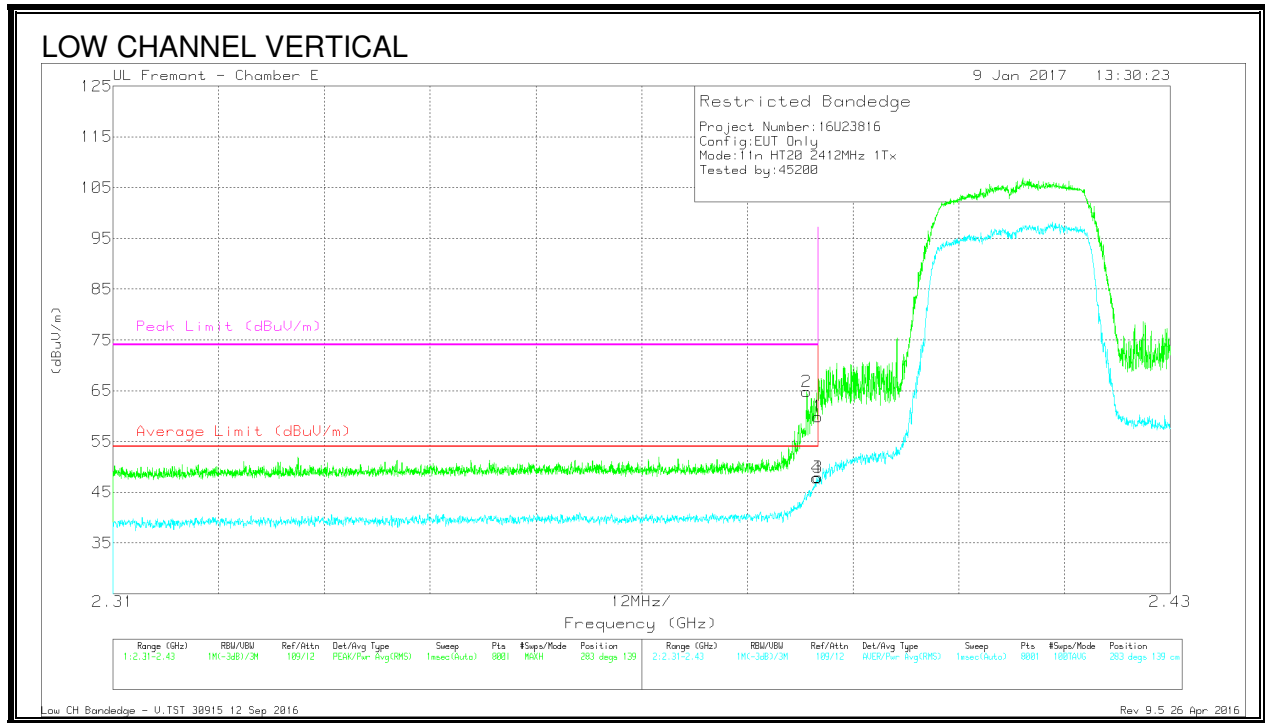
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Chl/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	52.59	Pk	32.1	-19.7	64.99	-	-	74	-9.01	273	184	H
2	* 2.39	55.26	Pk	32.1	-19.7	67.66	-	-	74	-6.34	273	184	H
3	* 2.39	38.4	RMS	32.1	-19.7	50.8	54	-3.2	-	-	273	184	H
4	* 2.39	38.61	RMS	32.1	-19.7	51.01	54	-2.99	-	-	273	184	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

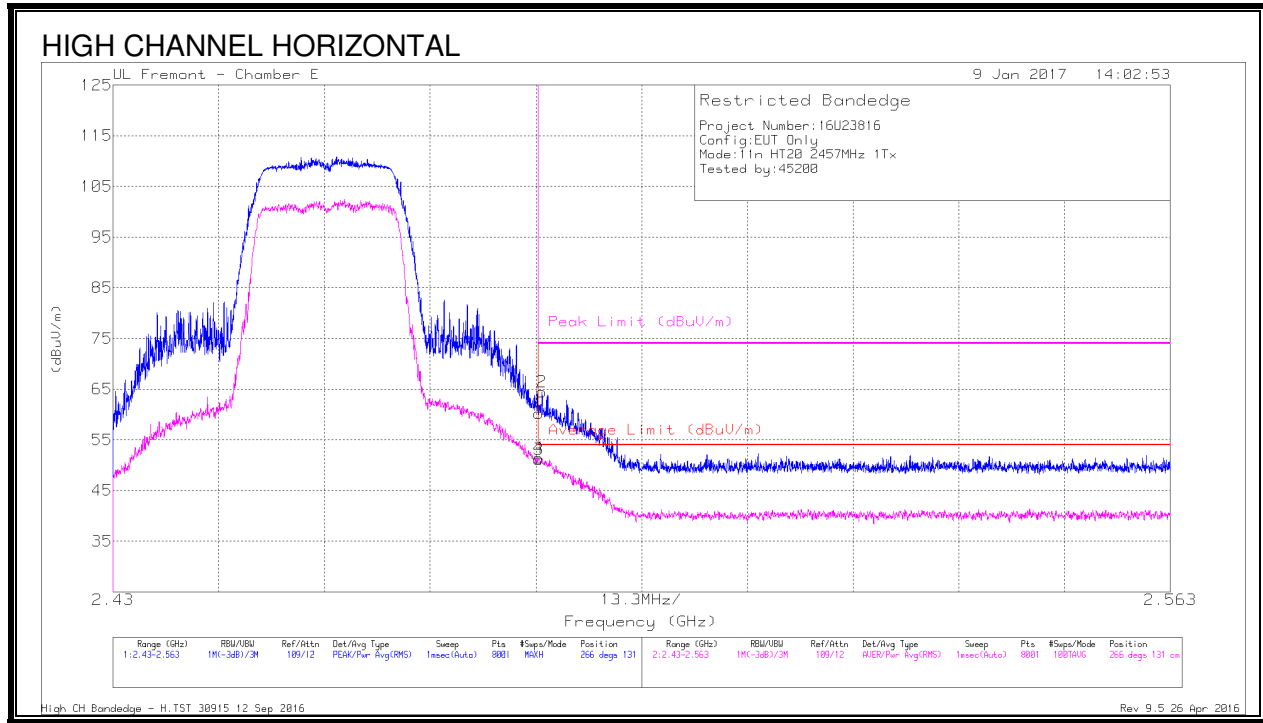
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	47.51	Pk	32.1	-19.7	59.91	-	-	74	-14.09	283	139	V
2	* 2.389	52.43	Pk	32.1	-19.7	64.83	-	-	74	-9.17	283	139	V
3	* 2.39	35.48	RMS	32.1	-19.7	47.88	54	-6.12	-	-	283	139	V
4	* 2.39	35.36	RMS	32.1	-19.7	47.76	54	-6.24	-	-	283	139	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 10)



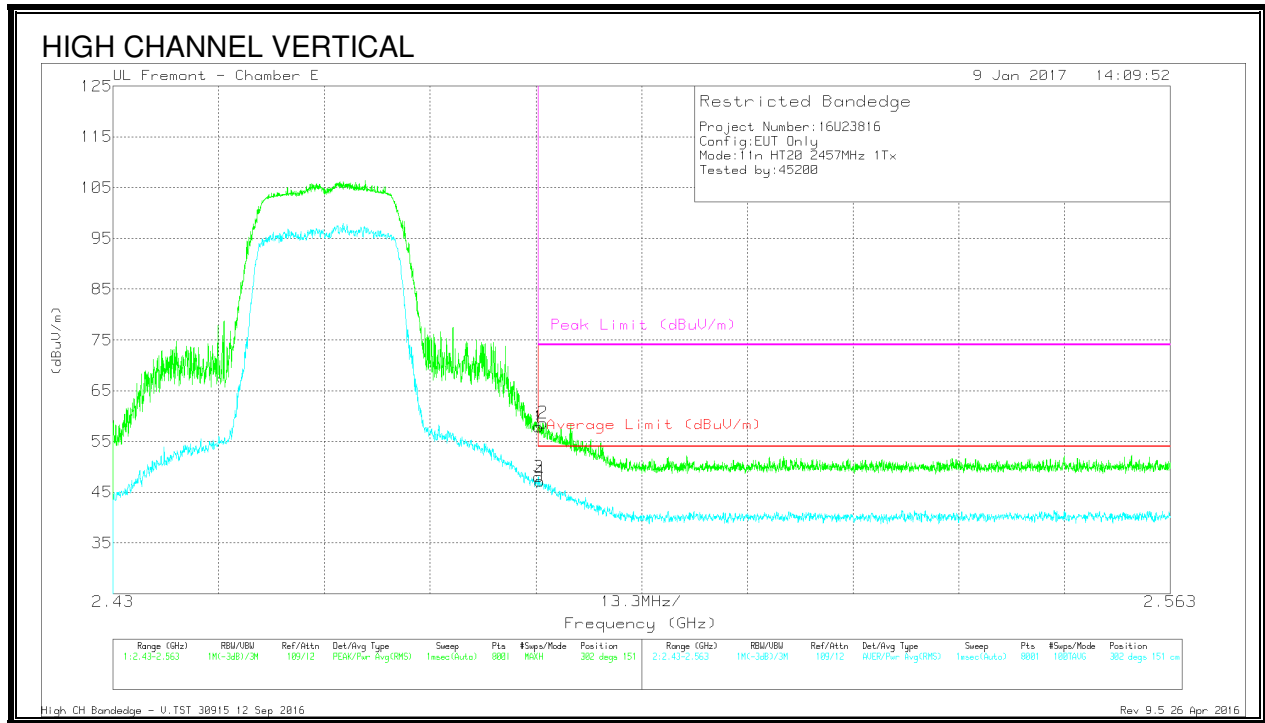
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	* 2.484	47.58	Pk	32.3	-19.7	60.18	-	-	74	-13.82	266	131	H
2	* 2.484	51.81	Pk	32.3	-19.7	64.41	-	-	74	-9.59	266	131	H
3	* 2.484	38.53	RMS	32.3	-19.7	51.13	54	-2.87	-	-	266	131	H
4	* 2.484	38.81	RMS	32.3	-19.7	51.41	54	-2.59	-	-	266	131	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

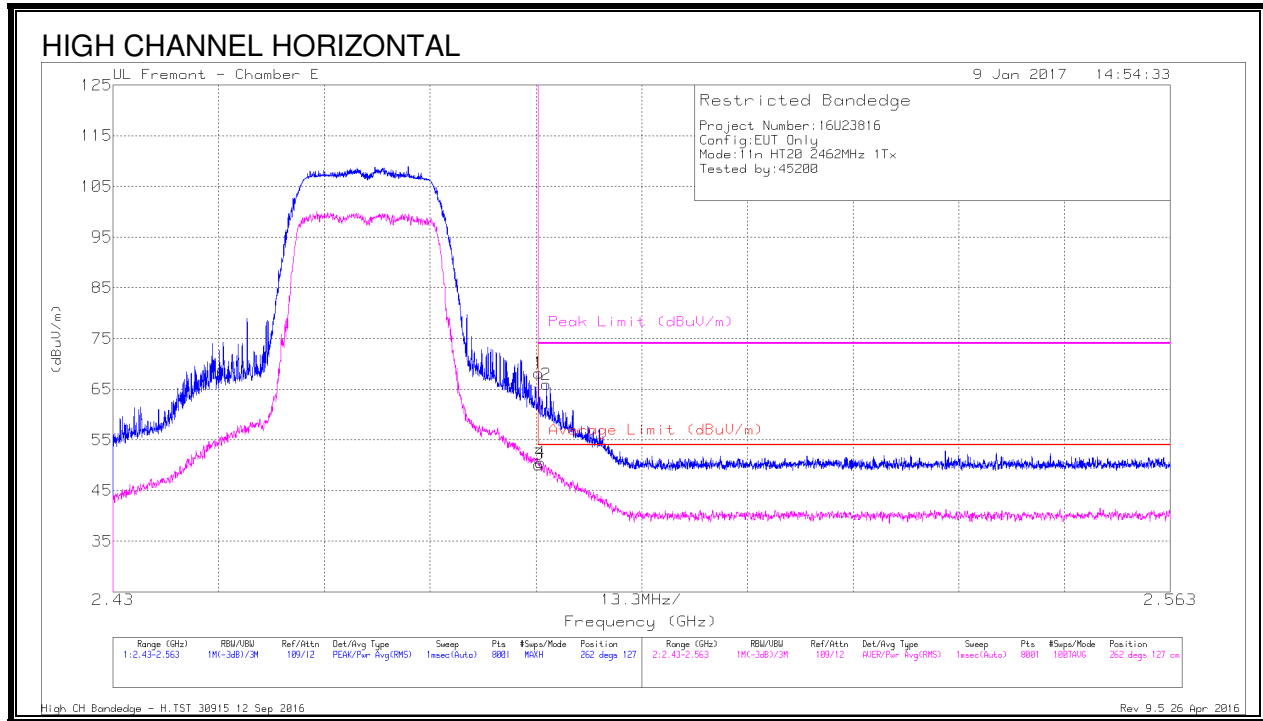
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.26	Pk	32.3	-19.7	57.86	-	-	74	-16.14	302	151	V
2	* 2.484	46.07	Pk	32.3	-19.7	58.67	-	-	74	-15.33	302	151	V
3	* 2.484	35.51	RMS	32.3	-19.7	48.11	54	-5.89	-	-	302	151	V
4	* 2.484	34.61	RMS	32.3	-19.7	47.21	54	-6.79	-	-	302	151	V

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

Pk - Peak detector

RMS - RMS detection

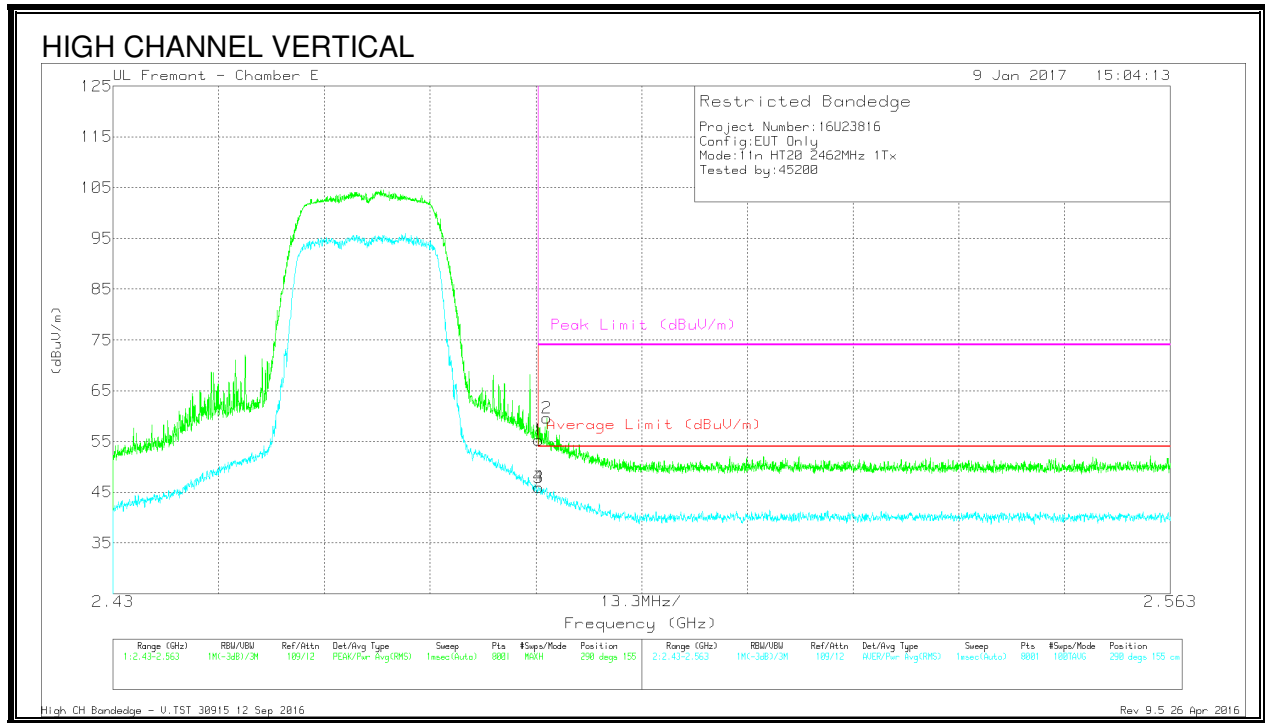
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 11)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.57	Pk	32.3	-19.7	68.17	-	-	74	-5.83	262	127	H
2	* 2.484	53.39	Pk	32.3	-19.7	65.99	-	-	74	-8.01	262	127	H
3	* 2.484	37.51	RMS	32.3	-19.7	50.11	54	-3.89	-	-	262	127	H
4	* 2.484	37.94	RMS	32.3	-19.7	50.54	54	-3.46	-	-	262	127	H

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



Trace Markers

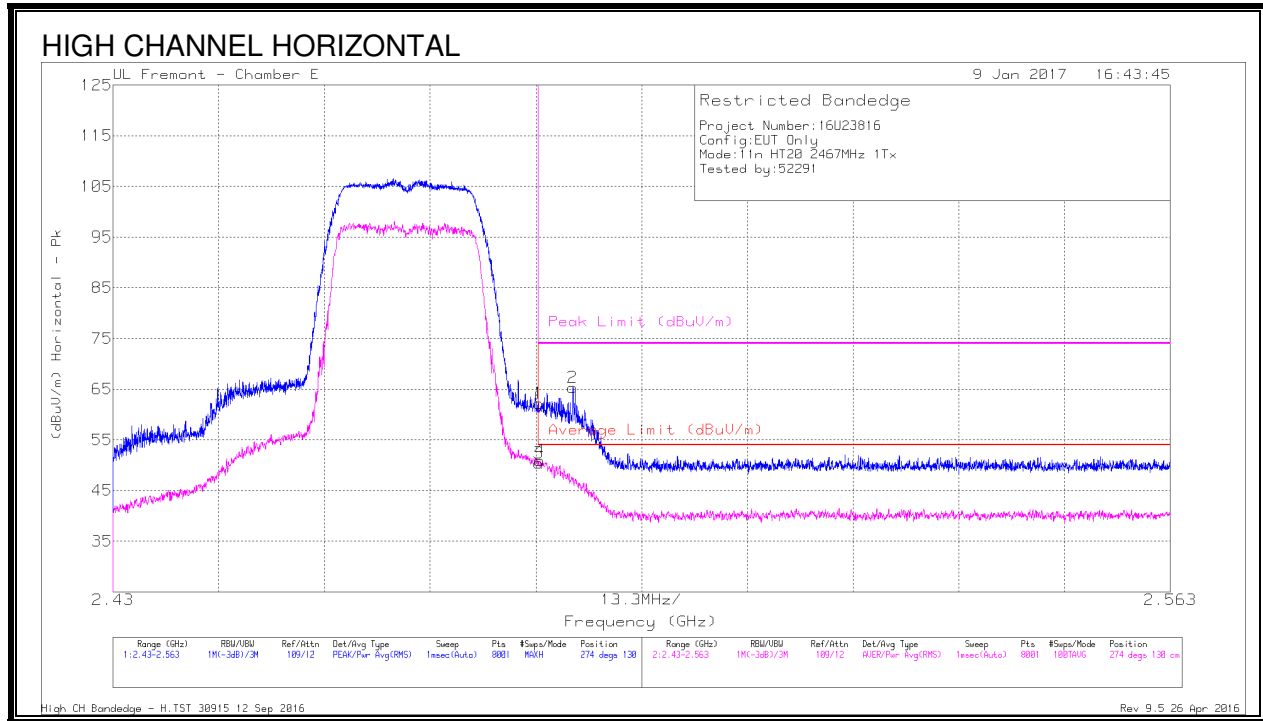
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filter/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.68	Pk	32.3	-19.7	55.28	-	-	74	-18.72	290	155	V
2	* 2.485	46.97	Pk	32.3	-19.7	59.57	-	-	74	-14.43	290	155	V
3	* 2.484	33.37	RMS	32.3	-19.7	45.97	54	-8.03	-	-	290	155	V
4	* 2.484	33.41	RMS	32.3	-19.7	46.01	54	-7.99	-	-	290	155	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 12)



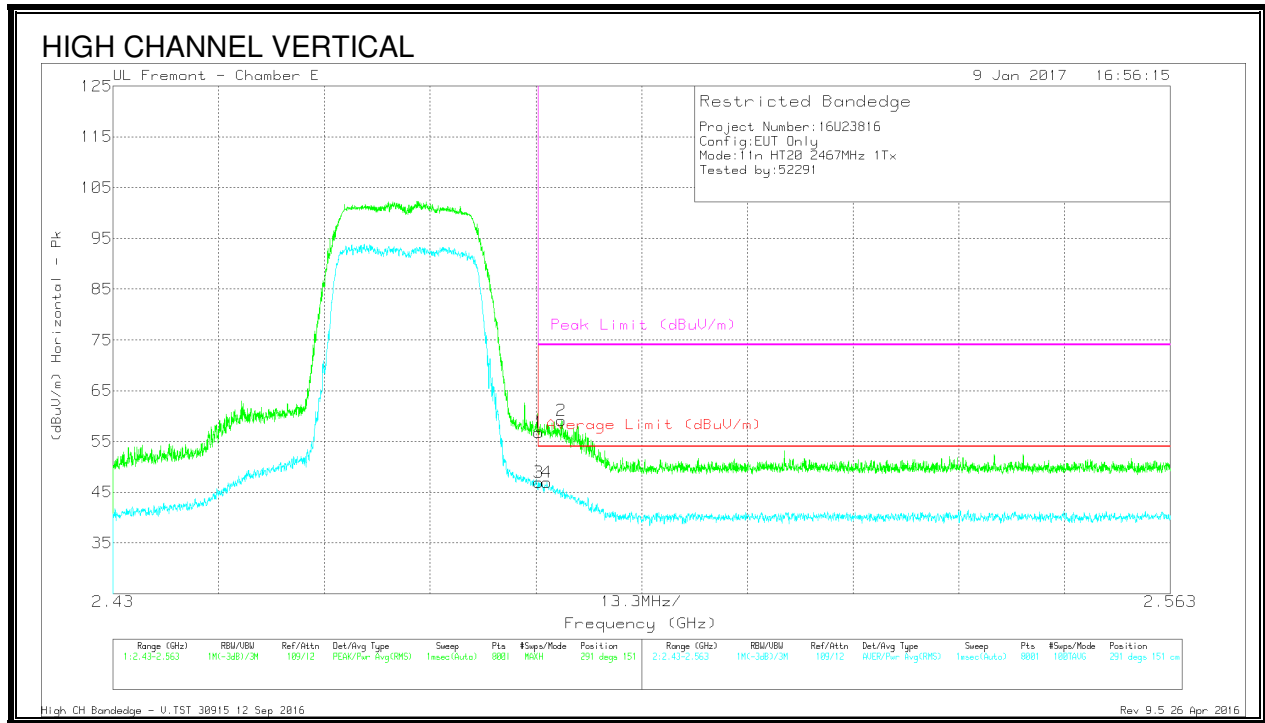
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T711 (dB/m)	Amp/Cbl/Fit r/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	49.66	Pk	32.3	-19.7	62.26	-	-	74	-11.74	274	130	H
2	* 2.488	52.93	Pk	32.3	-19.9	65.33	-	-	74	-8.67	274	130	H
3	* 2.484	37.86	RMS	32.3	-19.7	50.46	54	-3.54	-	-	274	130	H
4	* 2.484	38.27	RMS	32.3	-19.7	50.87	54	-3.13	-	-	274	130	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

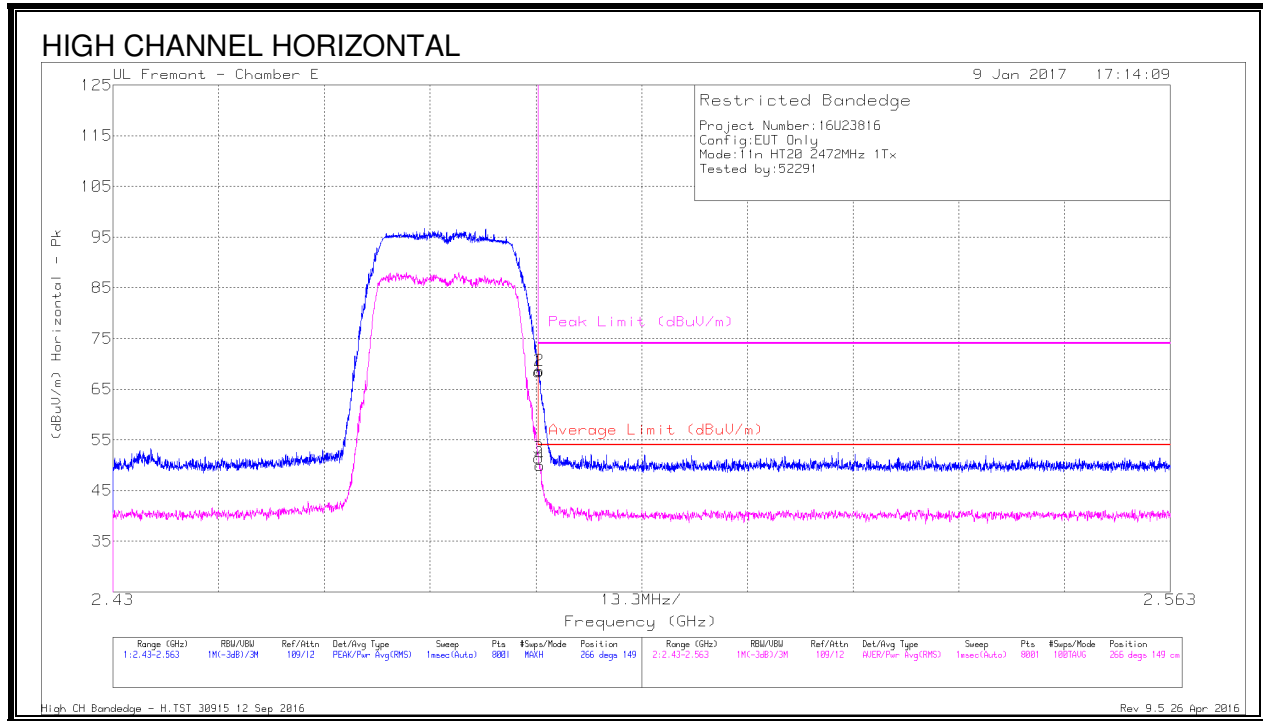
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.14	Pk	32.3	-19.7	56.74	-	-	74	-17.26	291	151	V
2	* 2.486	46.63	Pk	32.3	-19.8	59.13	-	-	74	-14.87	291	151	V
3	* 2.484	34.37	RMS	32.3	-19.7	46.97	54	-7.03	-	-	291	151	V
4	* 2.485	34.37	RMS	32.3	-19.7	46.97	54	-7.03	-	-	291	151	V

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

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 13)



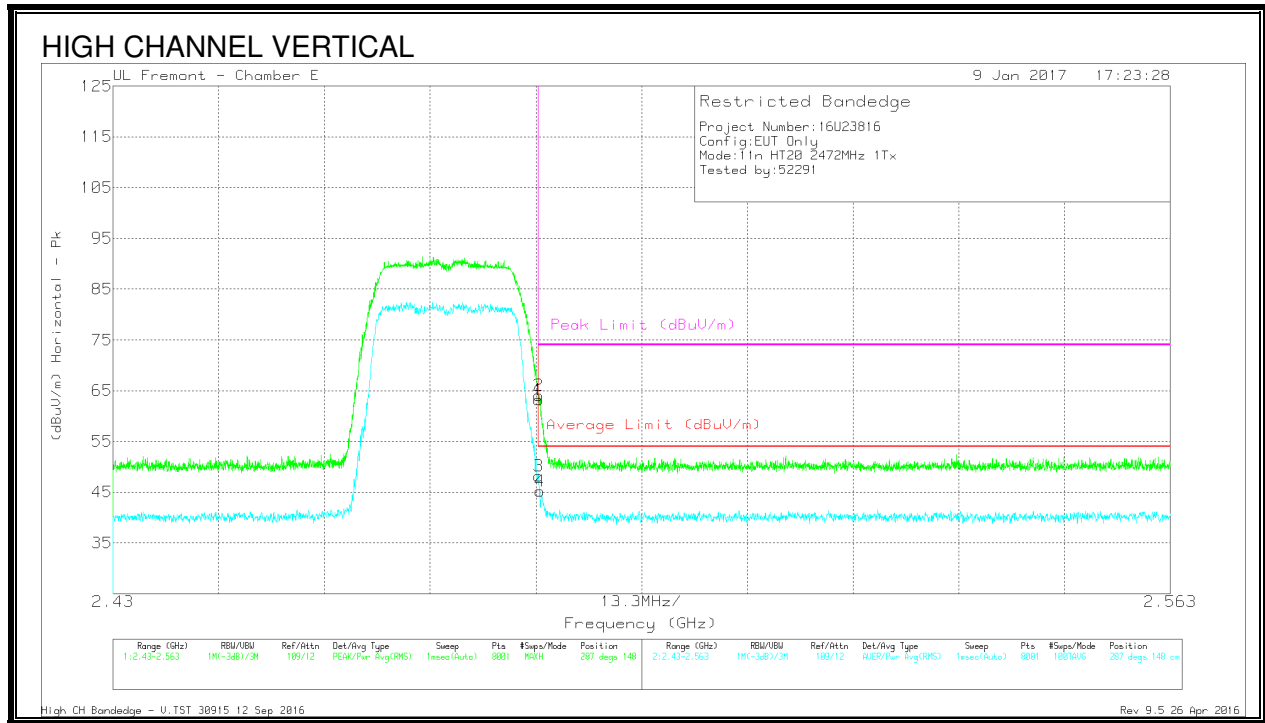
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	* 2.484	55.87	Pk	32.3	-19.7	68.47	-	-	74	-5.53	266	149	H
2	* 2.484	56.11	Pk	32.3	-19.7	68.71	-	-	74	-5.29	266	149	H
3	* 2.484	38.76	RMS	32.3	-19.7	51.36	54	-2.64	-	-	266	149	H
4	* 2.484	37.31	RMS	32.3	-19.7	49.91	54	-4.09	-	-	266	149	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

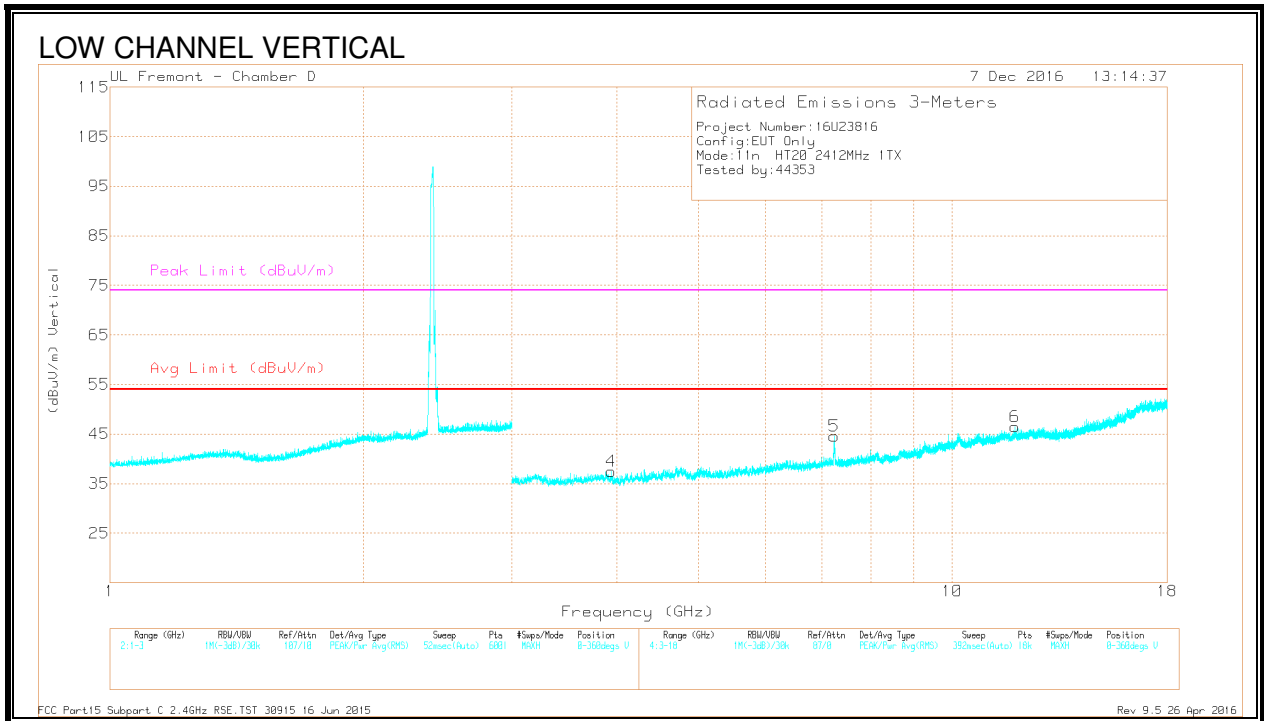
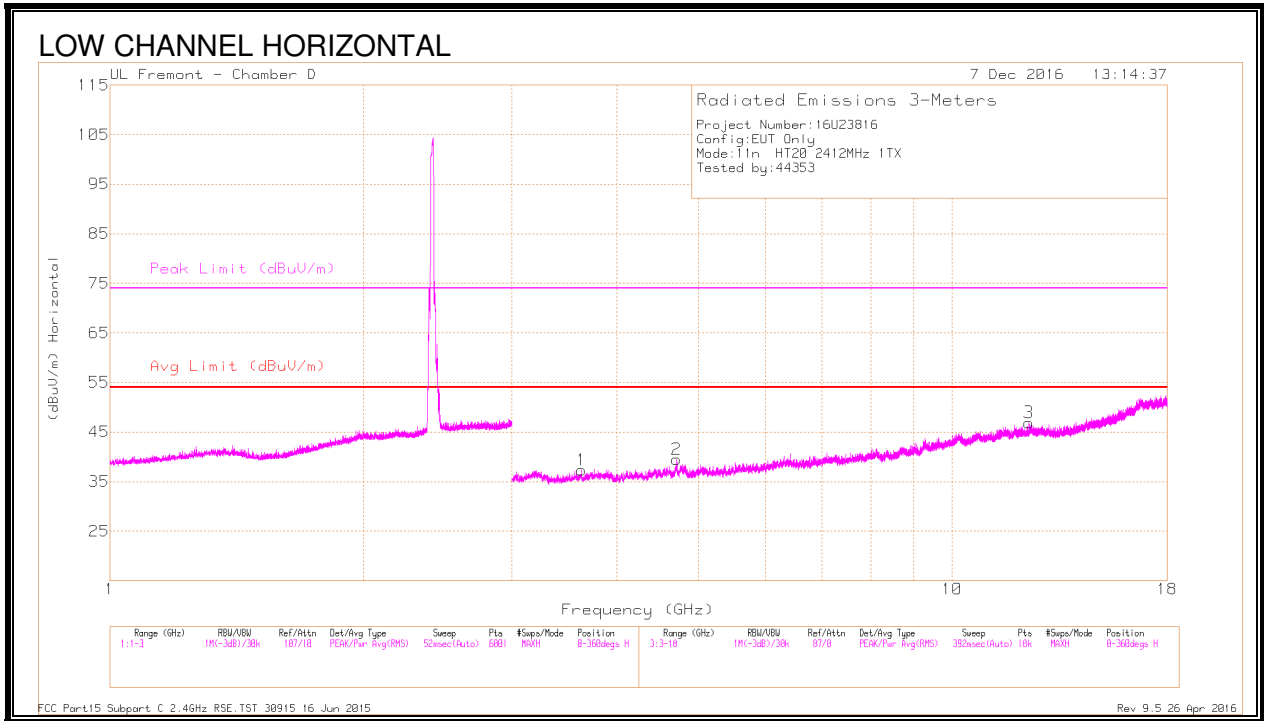
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.6	Pk	32.3	-19.7	63.2	-	-	74	-10.8	287	148	V
2	* 2.484	51.45	Pk	32.3	-19.7	64.05	-	-	74	-9.95	287	148	V
3	* 2.484	35.55	RMS	32.3	-19.7	48.15	54	-5.85	-	-	287	148	V
4	* 2.484	32.62	RMS	32.3	-19.7	45.22	54	-8.78	-	-	287	148	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 T712 (dB/m)	Amp/Cbl/FI tr/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	* 3.629	38.04	PK2	33.4	-28.6	42.84	-	-	74	-31.16	245	169	H
	* 3.627	28.12	MAv1	33.4	-28.6	32.92	54	-21.08	-	-	245	169	H
2	* 4.71	38.46	PK2	34	-27.5	44.96	-	-	74	-29.04	64	273	H
	* 4.707	27.43	MAv1	34	-27.5	33.93	54	-20.07	-	-	64	273	H
3	* 12.338	34.75	PK2	39	-21.1	52.65	-	-	74	-21.35	311	201	H
	* 12.339	24.56	MAv1	39	-21.1	42.46	54	-11.54	-	-	311	201	H
4	* 3.935	37.94	PK2	33.4	-28	43.34	-	-	74	-30.66	176	253	V
	* 3.937	27.9	MAv1	33.4	-28	33.3	54	-20.7	-	-	176	253	V
5	7.243	43.28	PK2	35.7	-24.9	54.08	-	-	-	-	130	102	V
	7.243	29.95	MAv1	35.7	-24.9	40.75	-	-	-	-	130	102	V
6	* 11.874	33.6	PK2	38.8	-20.7	51.7	-	-	74	-22.3	317	287	V
	* 11.874	24.14	MAv1	38.8	-20.7	42.24	54	-11.76	-	-	317	287	V

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

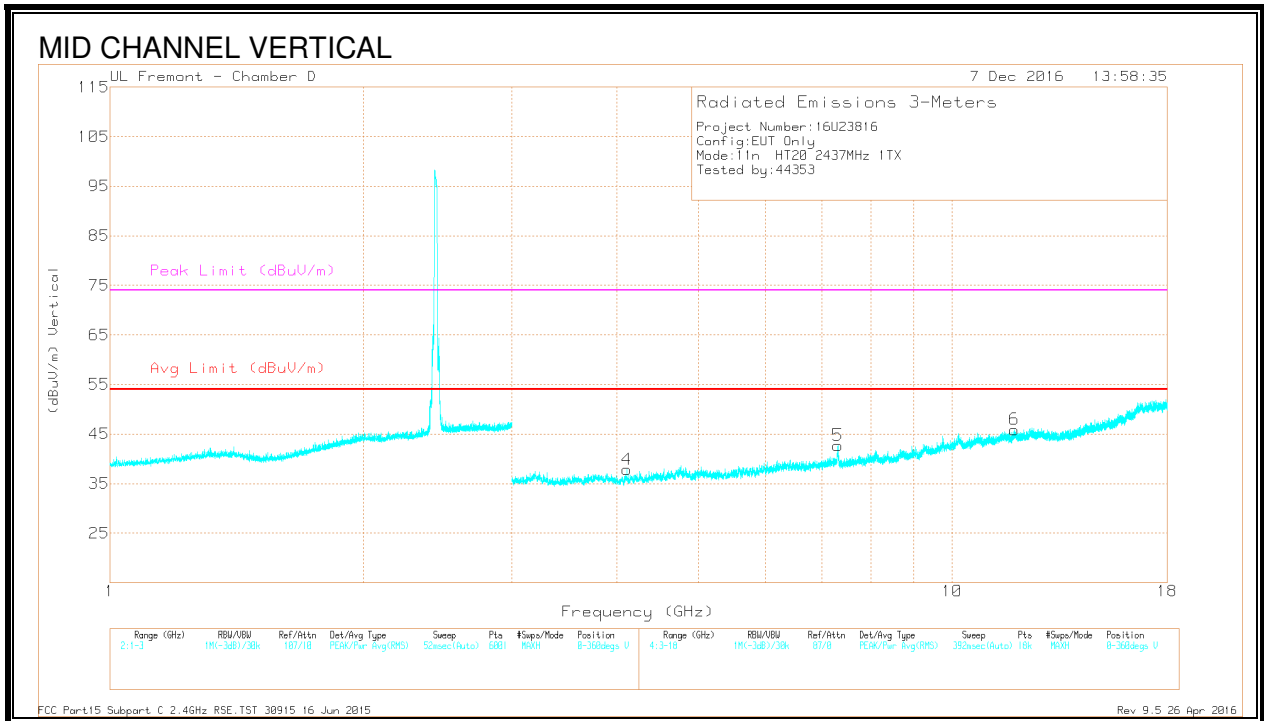
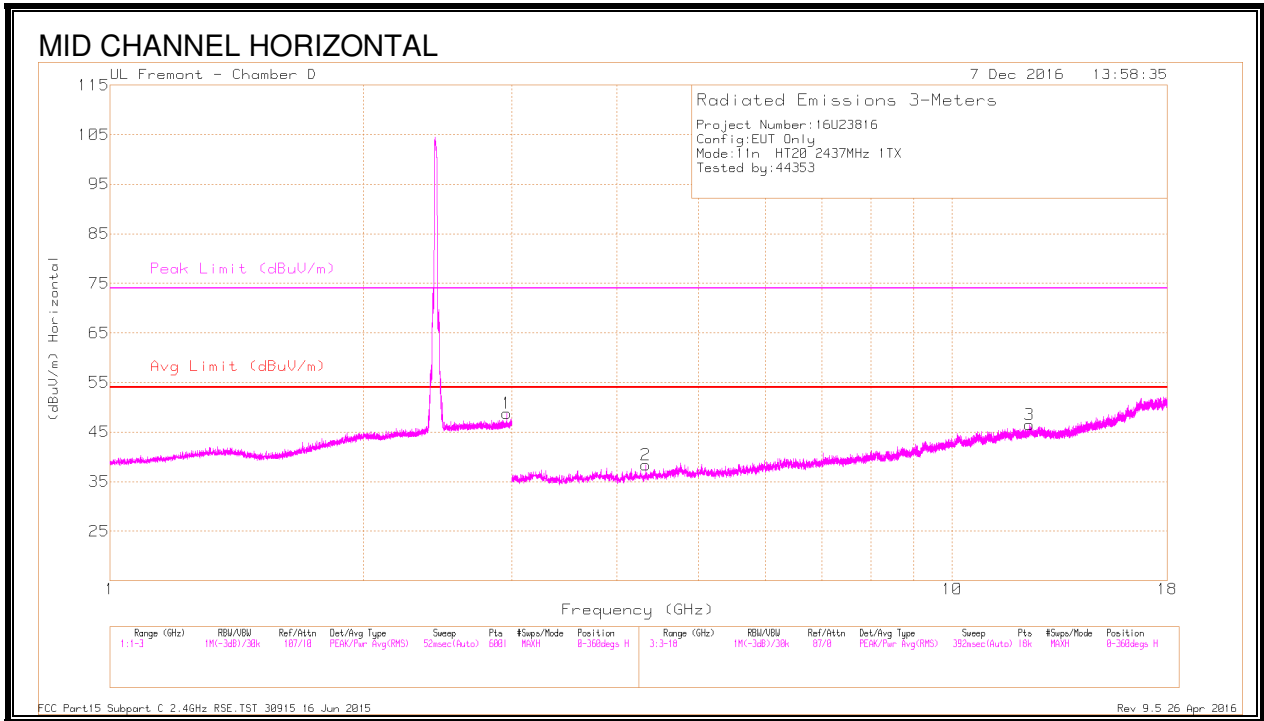
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL, CH 6)



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/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	2.959	41.1	PK2	32.5	-20.2	53.4	-	-	-	-	109	177	H
	2.961	30.52	MAv1	32.5	-20.2	42.82	-	-	-	-	109	177	H
2	* 4.319	38.47	PK2	33.6	-28.4	43.67	-	-	74	-30.33	41	200	H
	* 4.322	27.69	MAv1	33.6	-28.4	32.89	54	-21.11	-	-	41	200	H
3	* 12.346	34.07	PK2	39	-21	52.07	-	-	74	-21.93	222	102	H
	* 12.343	23.54	MAv1	39	-21	41.54	54	-12.46	-	-	222	102	H
4	* 4.109	38.34	PK2	33.6	-28	43.94	-	-	74	-30.06	342	284	V
	* 4.111	27.74	MAv1	33.6	-28	33.34	54	-20.66	-	-	342	284	V
5	* 7.316	40.08	PK2	35.6	-25.3	50.38	-	-	74	-23.62	310	170	V
	* 7.317	29.43	MAv1	35.6	-25.3	39.73	54	-14.27	-	-	310	170	V
6	* 11.851	33.7	PK2	38.8	-20.5	52	-	-	74	-22	185	144	V
	* 11.849	23.72	MAv1	38.8	-20.5	42.02	54	-11.98	-	-	185	144	V

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

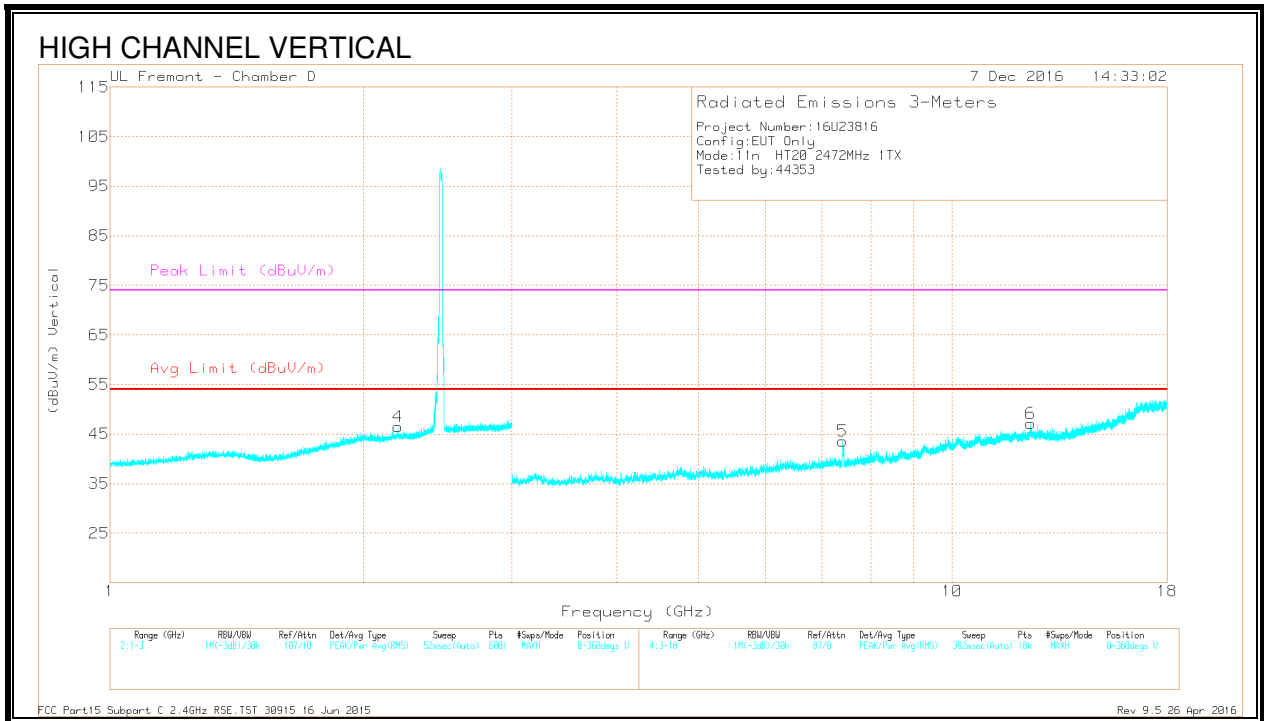
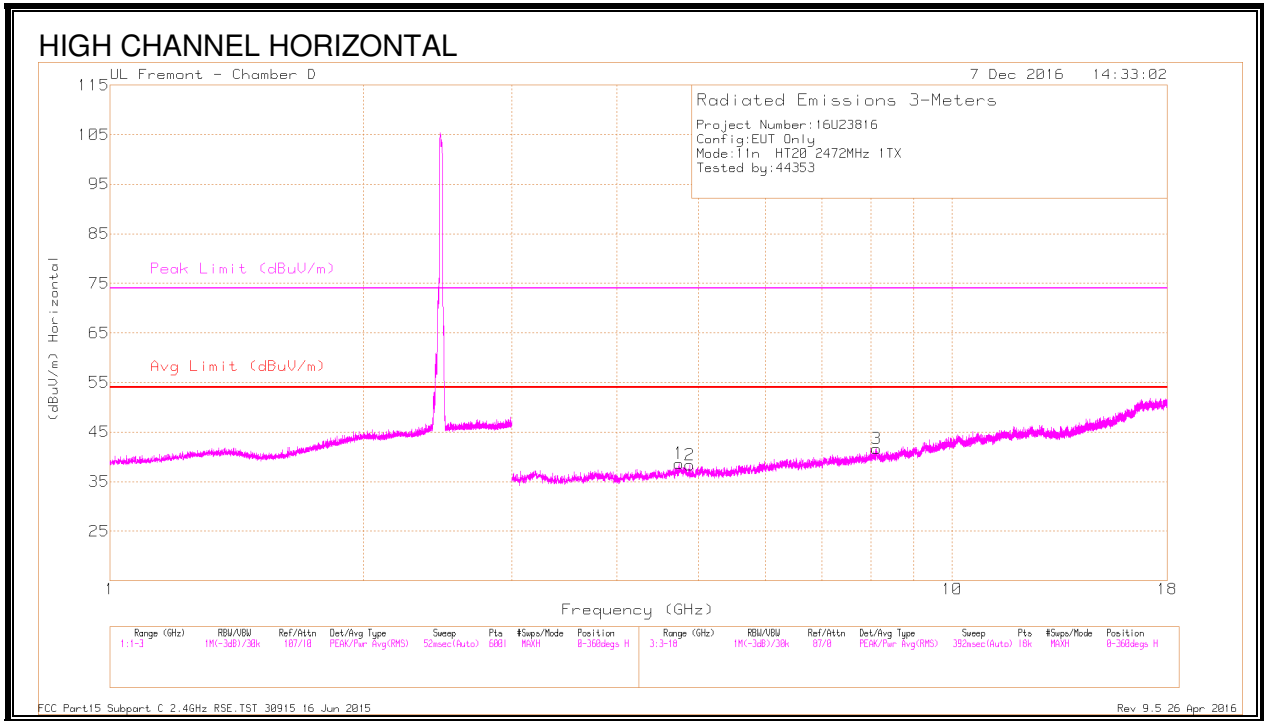
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL, CH 13)



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/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	* 4.741	37.33	PK2	34	-26.8	44.53	-	-	74	-29.47	45	170	H
	* 4.741	26.76	MAv1	34	-26.8	33.96	54	-20.04	-	-	45	170	H
2	* 4.88	37.21	PK2	34.1	-28	43.31	-	-	74	-30.69	282	366	H
	* 4.88	27.45	MAv1	34.1	-28	33.55	54	-20.45	-	-	282	366	H
3	* 8.137	34.41	PK2	35.8	-22.6	47.61	-	-	74	-26.39	109	200	H
	* 8.137	24.47	MAv1	35.8	-22.7	37.57	54	-16.43	-	-	109	200	H
4	2.196	30.89	MAv1	31.6	-21	41.49	-	-	-	-	222	160	V
	2.197	41.78	PK2	31.6	-21	52.38	-	-	-	-	222	160	V
5	* 7.411	35.72	PK2	35.6	-24.9	46.42	-	-	74	-27.58	193	118	V
	* 7.409	25.82	MAv1	35.6	-24.9	36.52	54	-17.48	-	-	193	118	V
6	* 12.373	33.56	PK2	39	-20.4	52.16	-	-	74	-21.84	335	258	V
	* 12.374	23.55	MAv1	39	-20.4	42.15	54	-11.85	-	-	335	258	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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