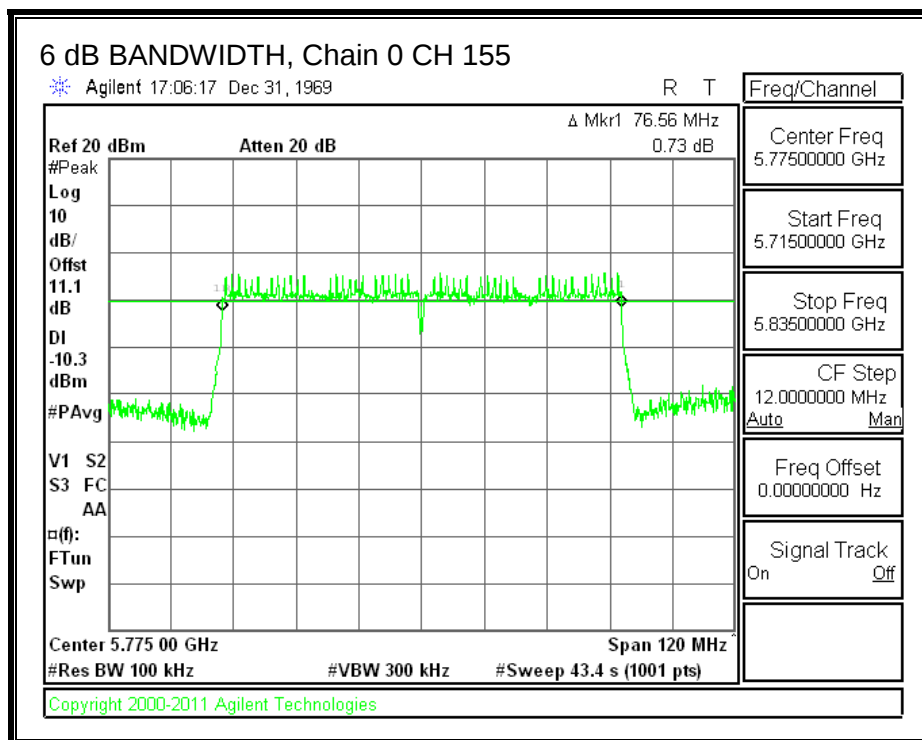
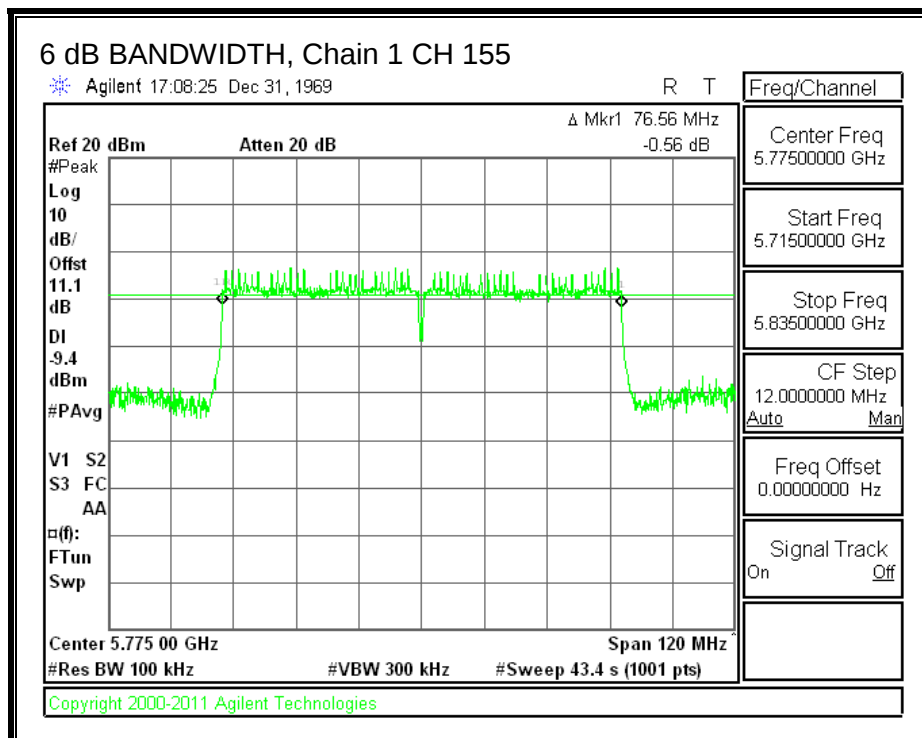


6 dB BANDWIDTH, Chain 0



6 dB BANDWIDTH, Chain 1



8.8.2. 99% BANDWIDTH

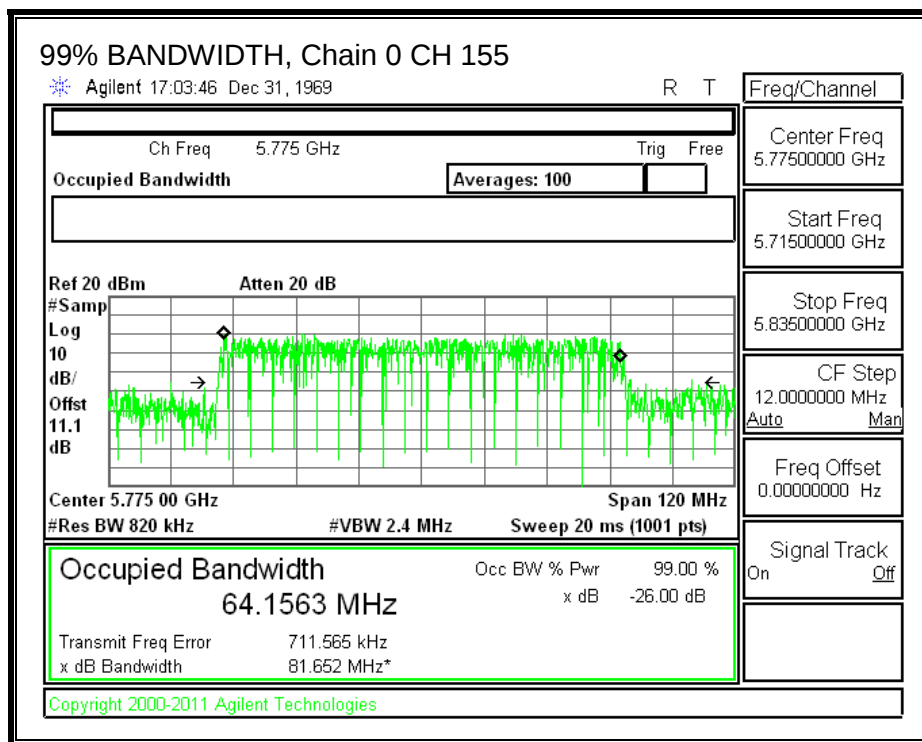
LIMITS

None; for reporting purposes only.

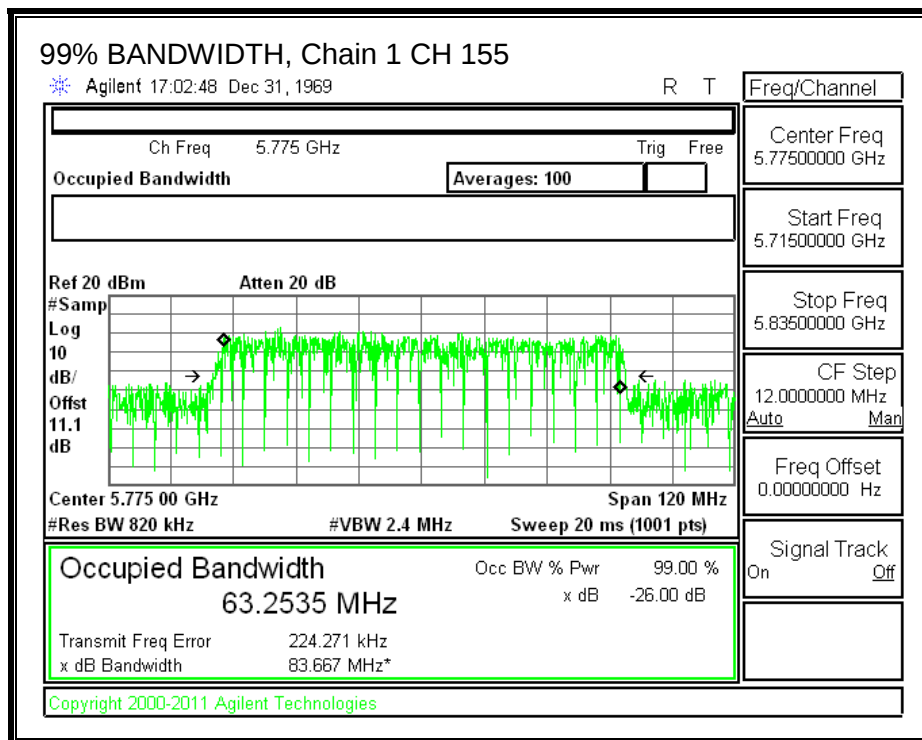
RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
155	5775	64.1563	63.2535

99% BANDWIDTH, Chain 0



99% BANDWIDTH, Chain 1



8.8.3. AVERAGE POWER

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)
155	5775	9.71	10.05	12.89

8.8.4. OUTPUT POWER

LIMITS

FCC §15.247

For systems using digital modulation in the 902–928 MHz, 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 correlated and the antenna gain is unequal among the chains. The directional gain is:

Use this table for correlated chains and unequal antenna gain

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.00	4.00	7.52

RESULTS

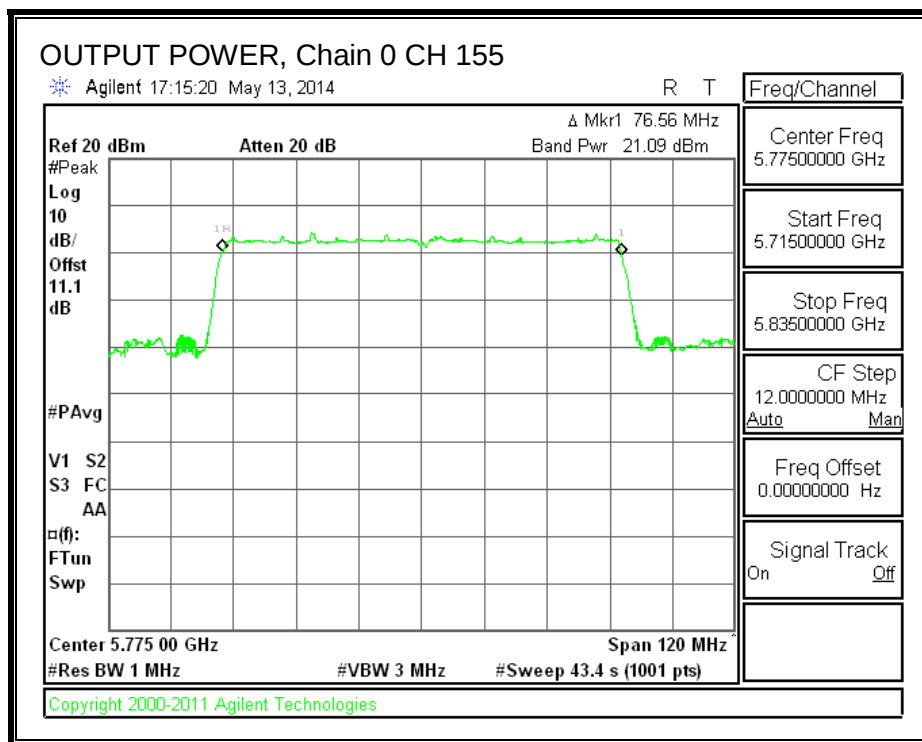
Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
155	5775	7.52	28.48	30	36	28.48

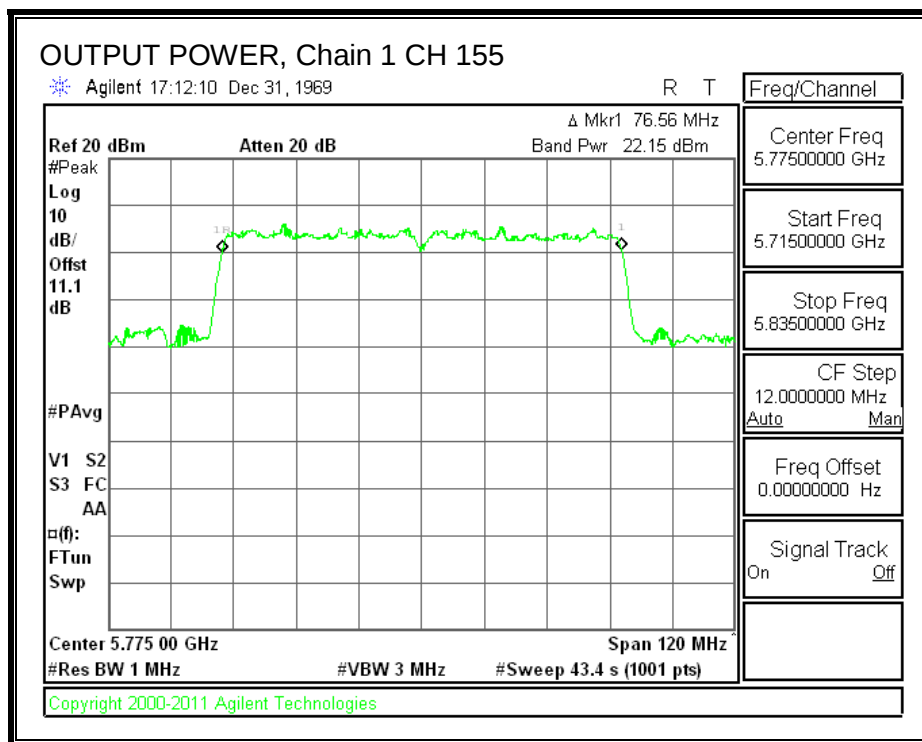
Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
155	5775	21.090	22.150	24.66	28.48	-3.82

OUTPUT POWER, Chain 0



OUTPUT POWER, Chain 1



8.8.5. PSD

LIMITS

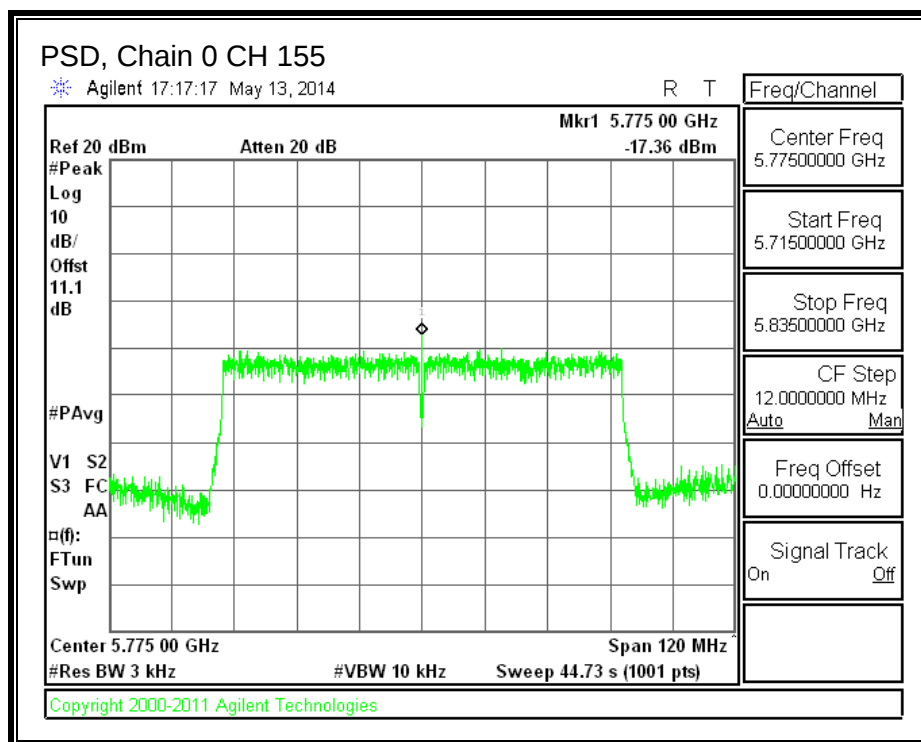
FCC §15.247

RESULTS

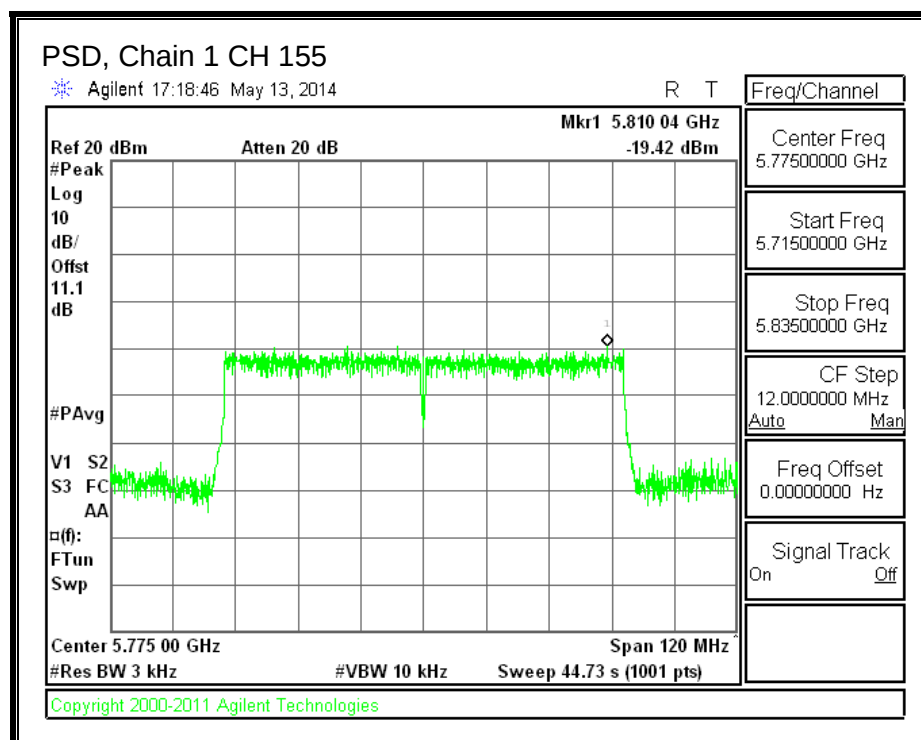
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Chain 1 Meas (dBm)	Total PSD (dBm)	Limit (dBm)	Margin (dB)
155	5775	-17.36	-19.42	-15.26	8.0	-23.3

PSD, Chain 0



PSD, Chain 1



8.8.6. OUT-OF-BAND EMISSIONS

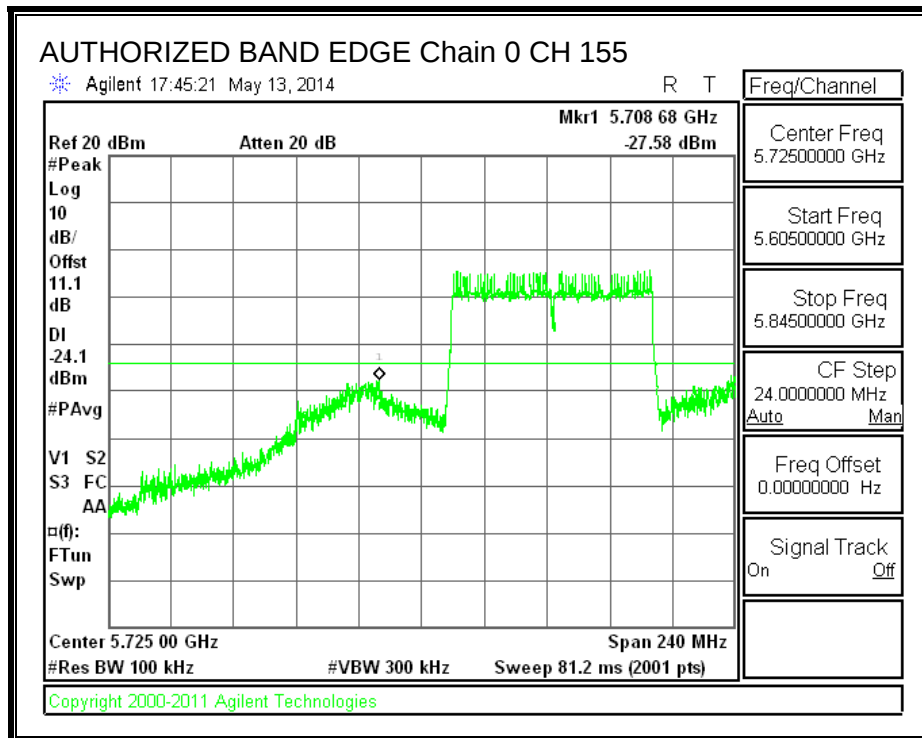
LIMITS

FCC §15.247 (d)

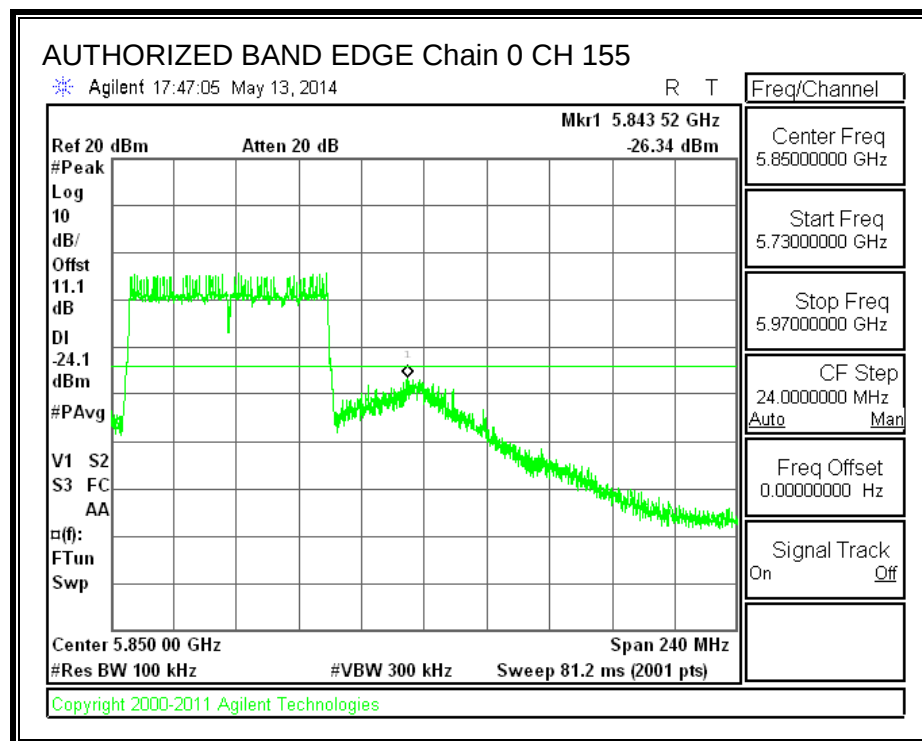
IC RSS-210 A8.5

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.

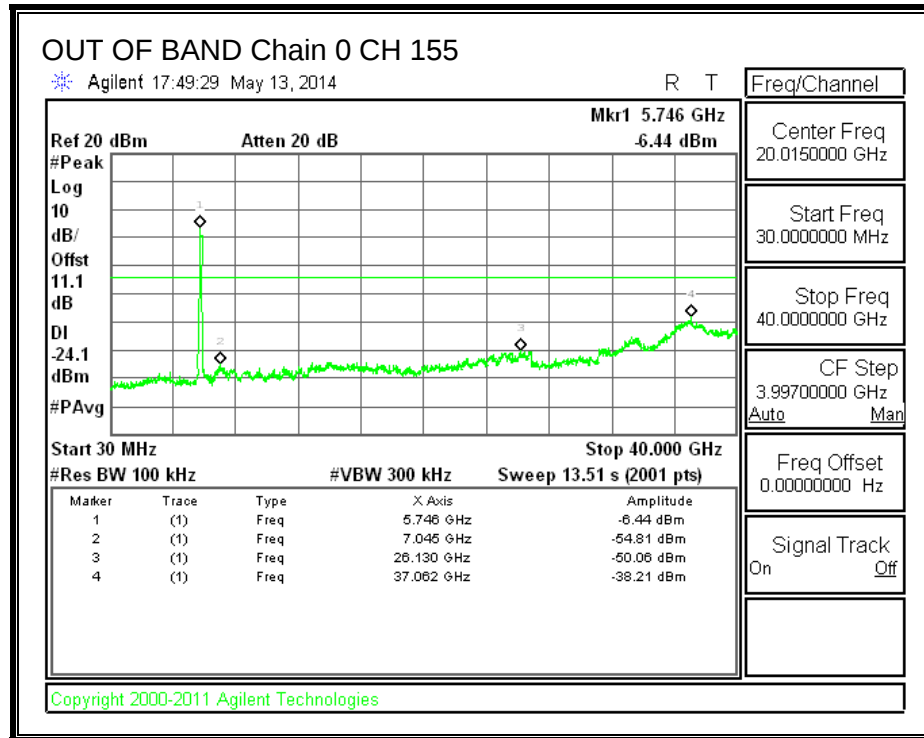
LOW END BANDEDGE, Chain 0,



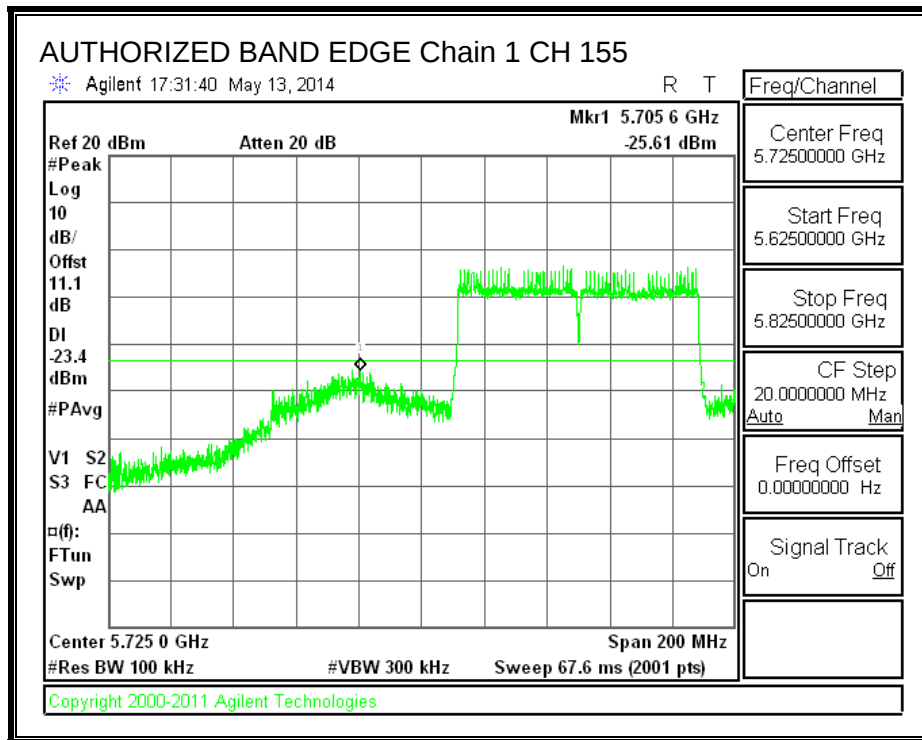
HIGH END BANDEDGE, Chain 0



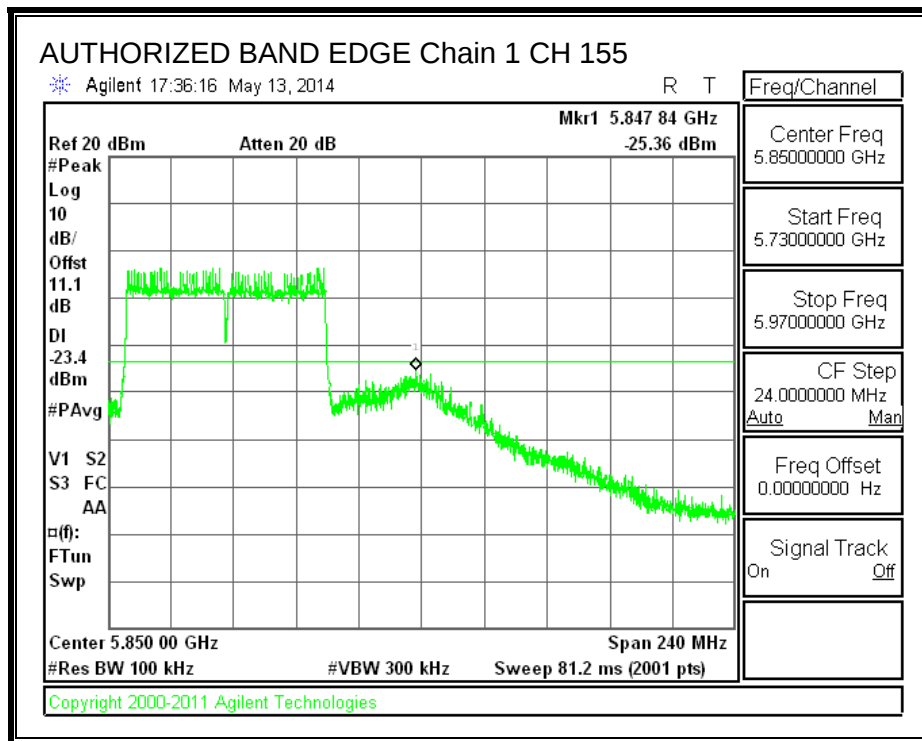
OUT-OF-BAND EMISSIONS, Chain 0



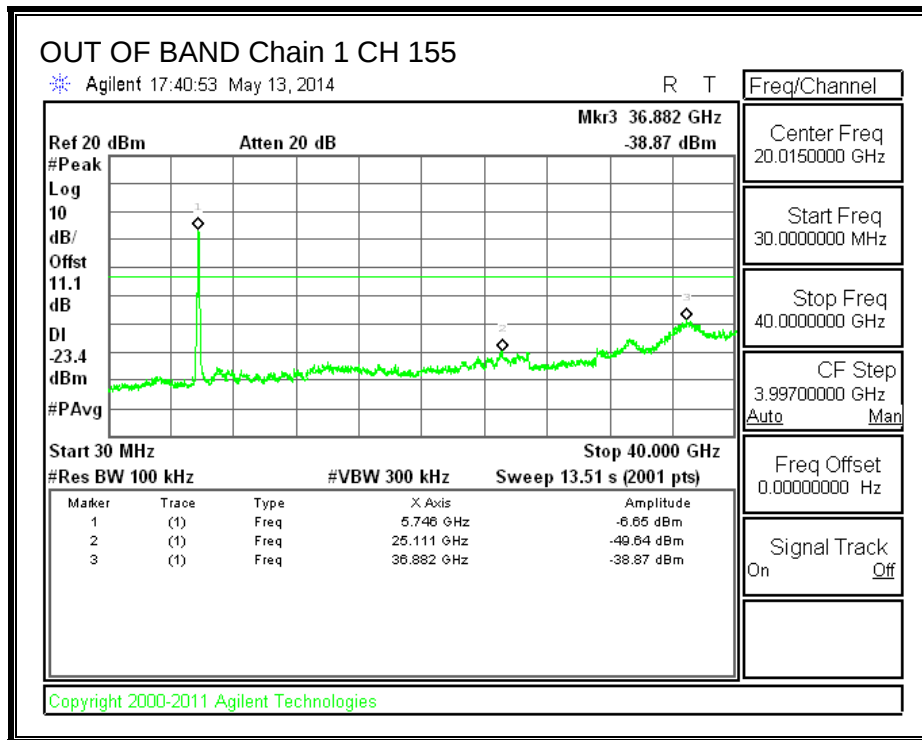
LOW END BANDEDGE, Chain 1



HIGH CHANNEL BANDEDGE, Chain 1



OUT-OF-BAND EMISSIONS, Chain 1



9. RADIATED TEST RESULTS

9.1. TRANSMITTER ABOVE 1 GHz

LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
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. The antenna to EUT distance is 3 meters.

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.

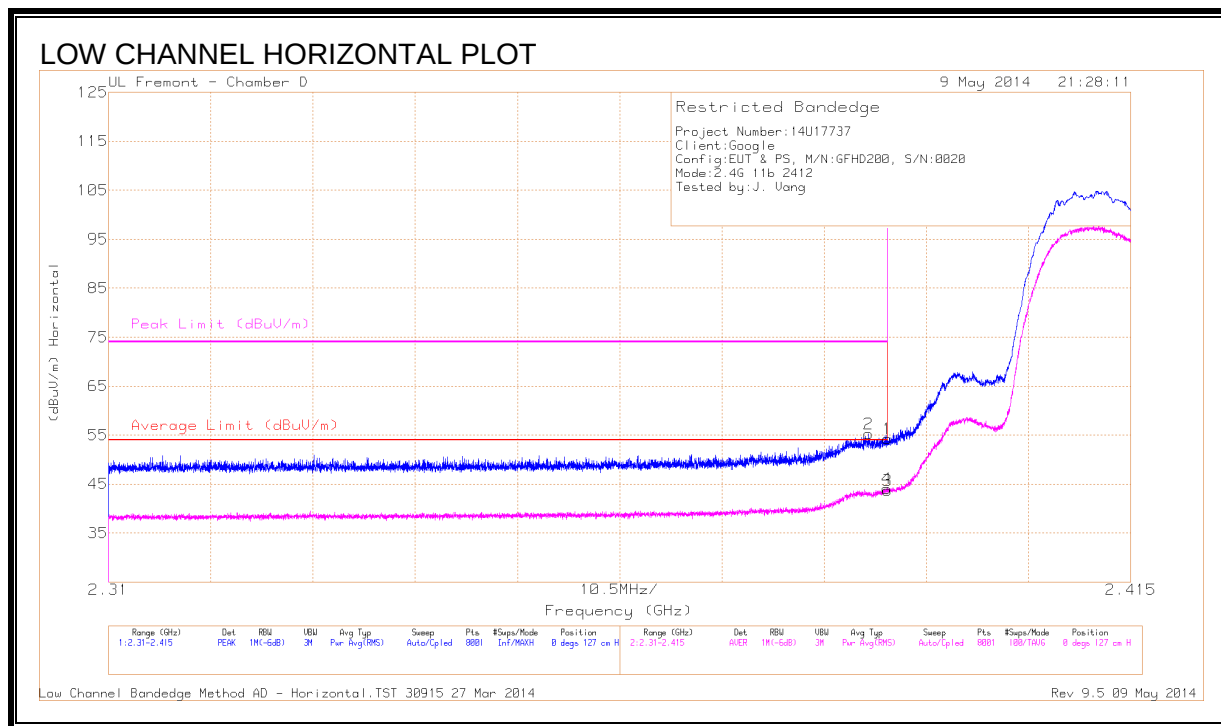
For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 1 MHz for peak measurements and as applicable for average measurements.

The spectrum from 30 MHz to 40 GHz 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. TX ABOVE 1 GHz 802.11b 2Tx CDD MODE IN THE 2.4 GHz BAND

9.2.1. RESTRICTED BANDEDGE (LOW CHANNEL)



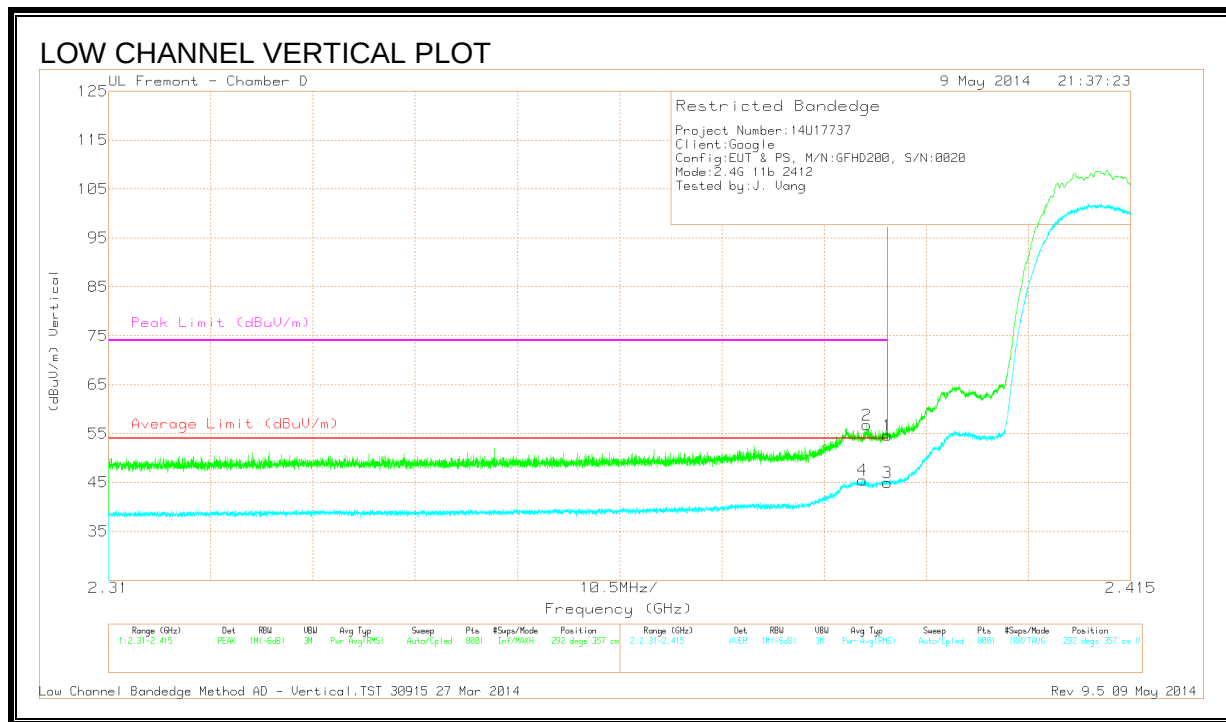
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/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	43.41	PK	31.5	-20.6	54.31	-	-	74	-19.69	0	127	H
2	* 2.388	44.4	PK	31.5	-20.6	55.3	-	-	74	-18.7	0	127	H
3	* 2.39	32.83	RMS	31.5	-20.6	43.73	54	-10.27	-	-	0	127	H
4	* 2.39	33.14	RMS	31.5	-20.6	44.04	54	-9.96	-	-	0	127	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



DATA

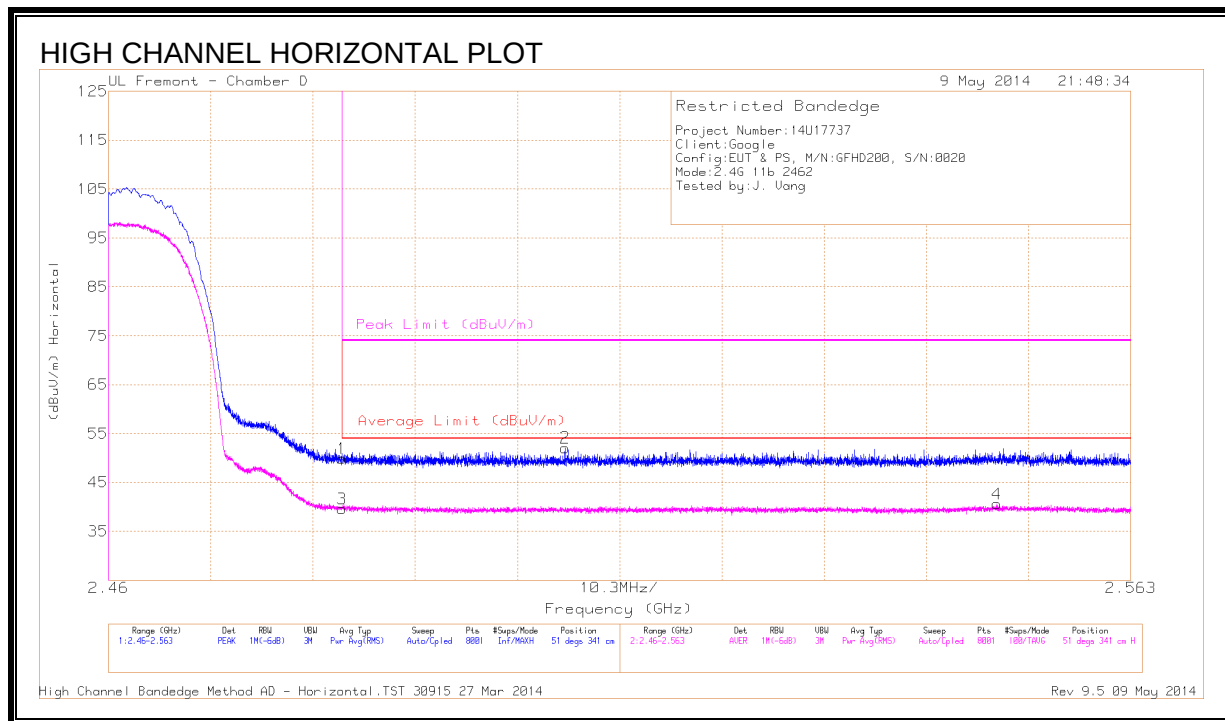
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.76	PK	31.5	-20.6	54.66	-	-	74	-19.34	292	357	V
2	* 2.388	45.88	PK	31.5	-20.6	56.78	-	-	74	-17.22	292	357	V
3	* 2.39	34	RMS	31.5	-20.6	44.9	54	-9.1	-	-	292	357	V
4	* 2.387	34.61	RMS	31.5	-20.6	45.51	54	-8.49	-	-	292	357	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

9.2.2. RESTRICTED BANDEGE (HIGH CHANNEL)



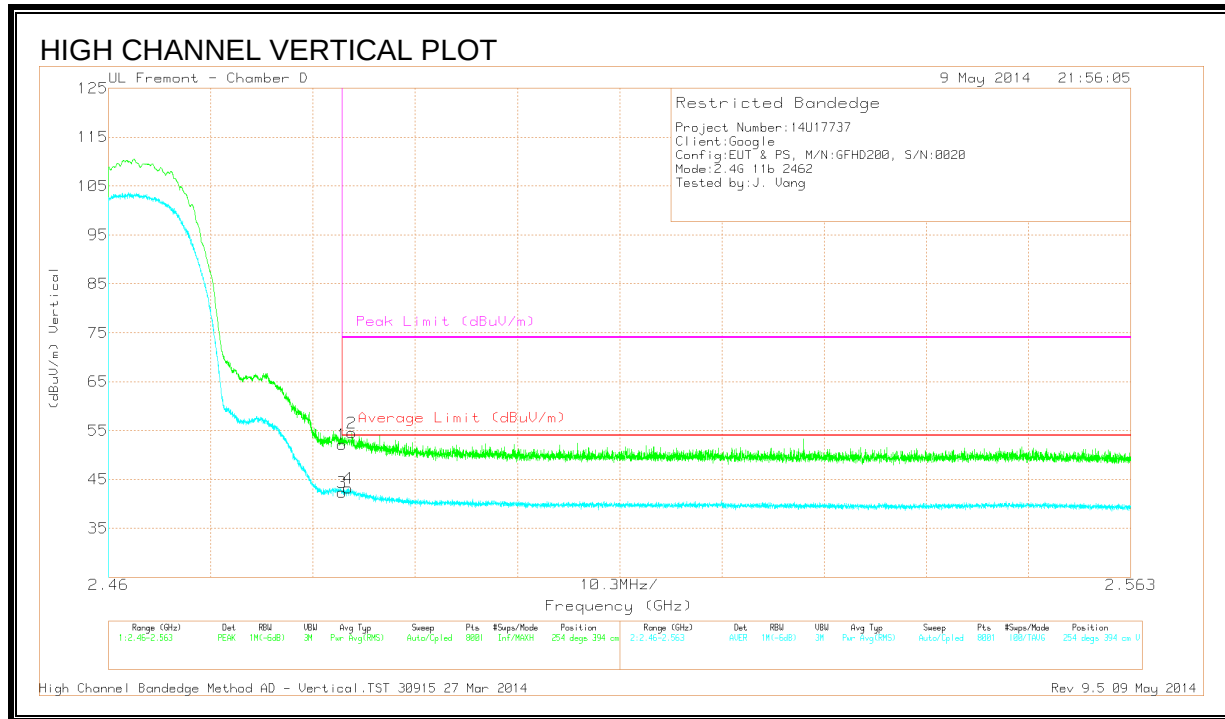
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/ 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	38.4	PK	32.1	-20.6	49.9	-	-	74	-24.1	51	341	H
3	* 2.484	28.15	RMS	32.1	-20.6	39.65	54	-14.35	-	-	51	341	H
2	2.506	40.49	PK	32.2	-20.6	52.09	-	-	74	-21.91	51	341	H
4	2.549	28.79	RMS	32.1	-20.3	40.59	54	-13.41	-	-	51	341	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



DATA

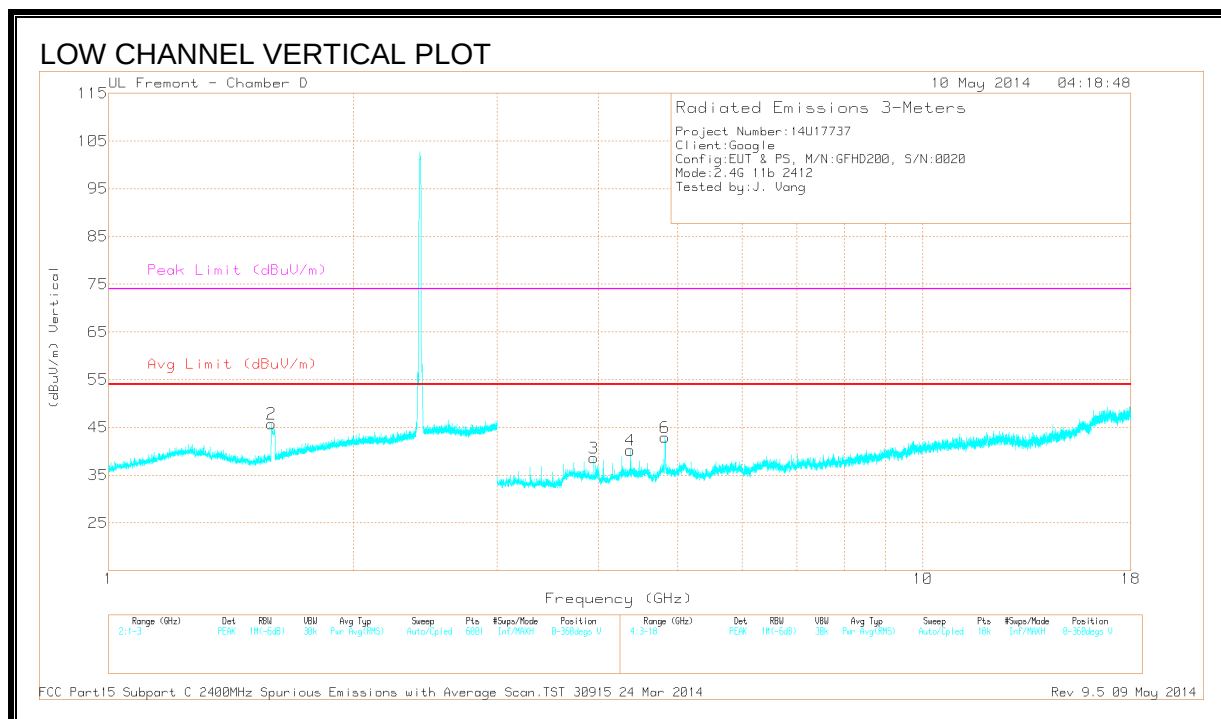
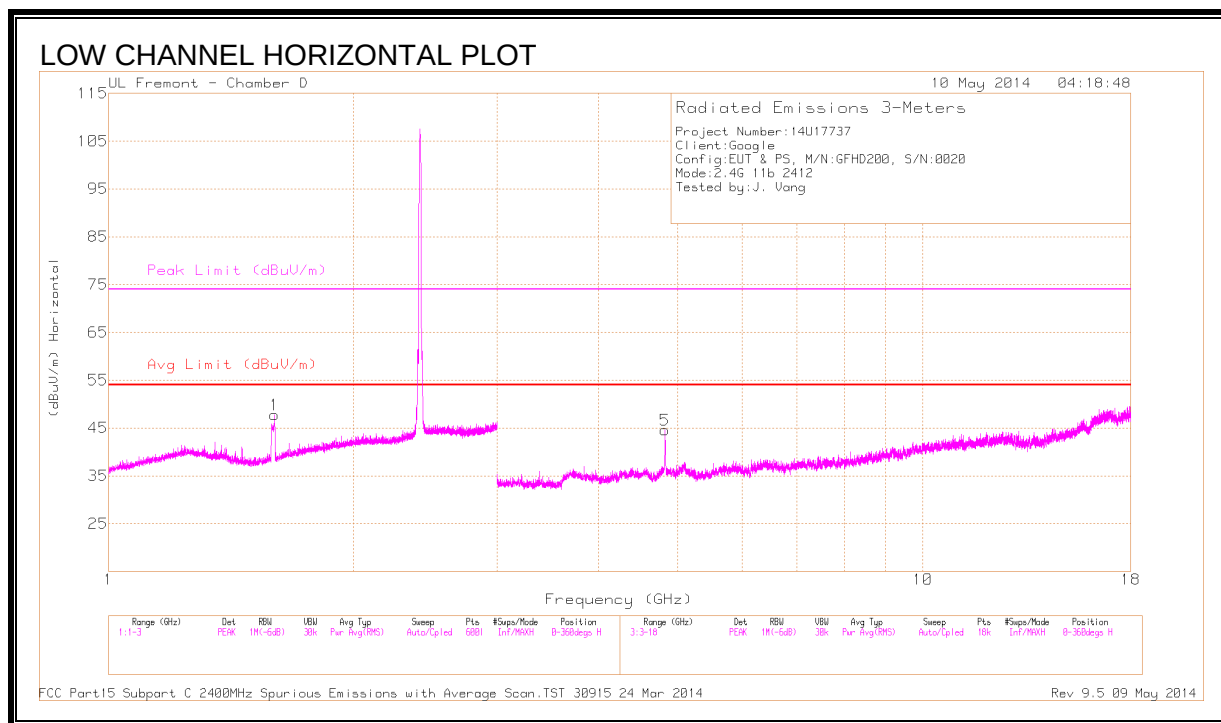
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T712 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.69	PK	32.1	-20.6	52.19	-	-	74	-21.81	254	394	V
2	* 2.484	43.02	PK	32.1	-20.6	54.52	-	-	74	-19.48	254	394	V
3	* 2.484	30.86	RMS	32.1	-20.6	42.36	54	-11.64	-	-	254	394	V
4	* 2.484	31.69	RMS	32.1	-20.6	43.19	54	-10.81	-	-	254	394	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

9.2.3. LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

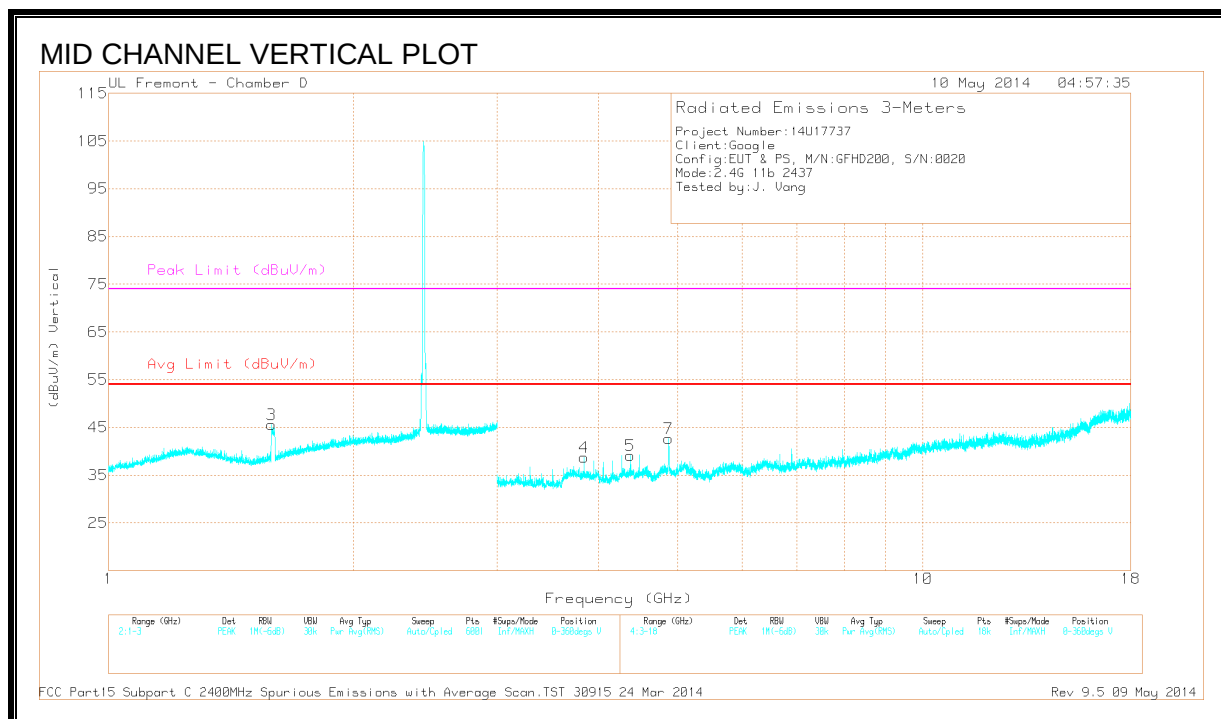
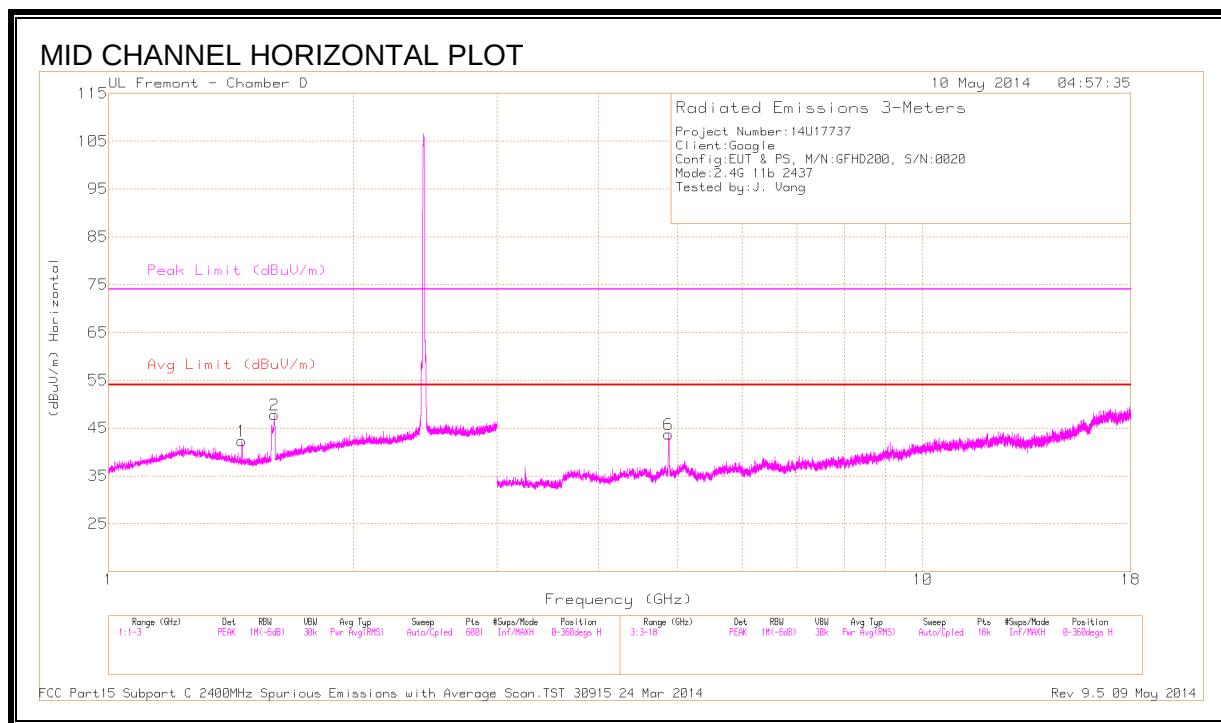
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.6	38.39	PK2	27.9	-21.7	44.59	-	-	74	-29.41	83	264	H
* 1.598	35.96	MAv1	27.9	-21.7	42.16	54	-11.84	-	-	83	264	H
* 1.592	45	PK2	27.8	-21.7	51.1	-	-	74	-22.9	228	143	V
* 1.594	34.96	MAv1	27.8	-21.7	41.06	54	-12.94	-	-	228	143	V
* 4.824	42.82	PK2	33.5	-26.7	49.62	-	-	74	-24.38	93	202	H
* 4.824	37.39	MAv1	33.5	-26.7	44.19	54	-9.81	-	-	93	202	H
* 3.942	37.39	PK2	32.9	-28.1	42.19	-	-	74	-31.81	76	336	V
* 3.942	32	MAv1	32.9	-28.1	36.8	54	-17.2	-	-	76	336	V
* 4.374	36.83	PK2	33.2	-27.9	42.13	-	-	74	-31.87	87	250	V
* 4.374	31.93	MAv1	33.2	-27.9	37.23	54	-16.77	-	-	87	250	V
* 4.824	37.24	PK2	33.5	-26.7	44.04	-	-	74	-29.96	56	246	V
* 4.824	31.1	MAv1	33.5	-26.7	37.9	54	-16.1	-	-	56	246	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.4. MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

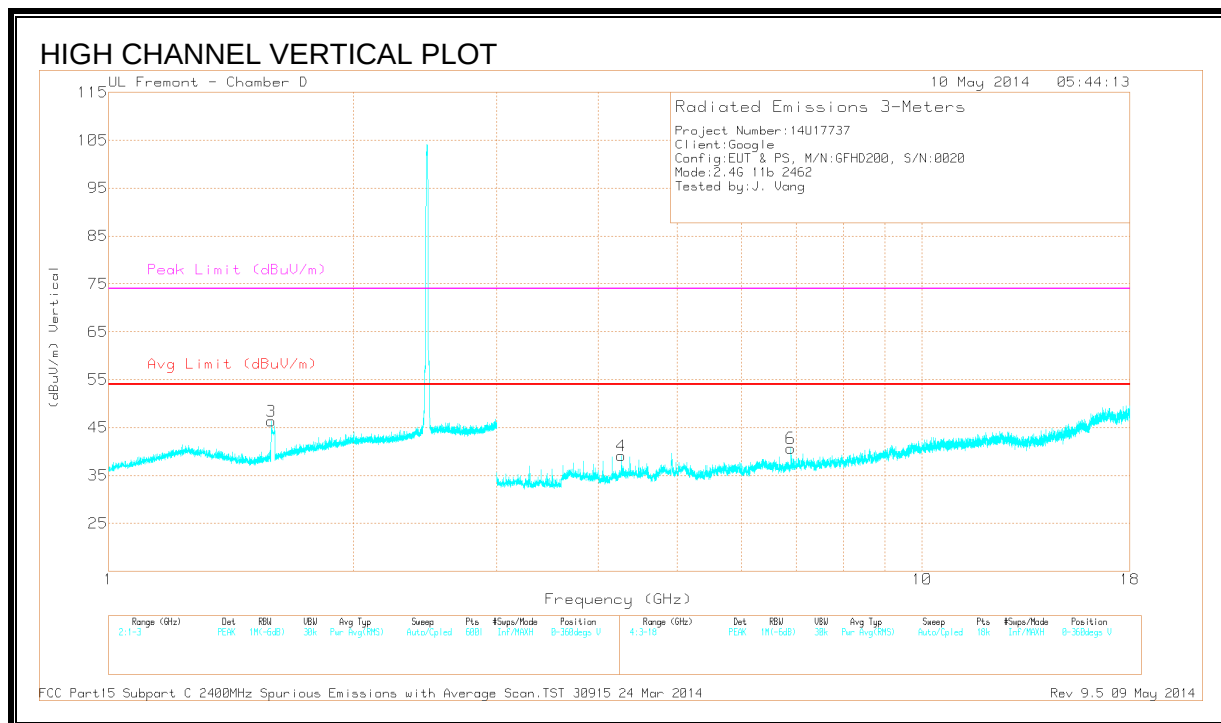
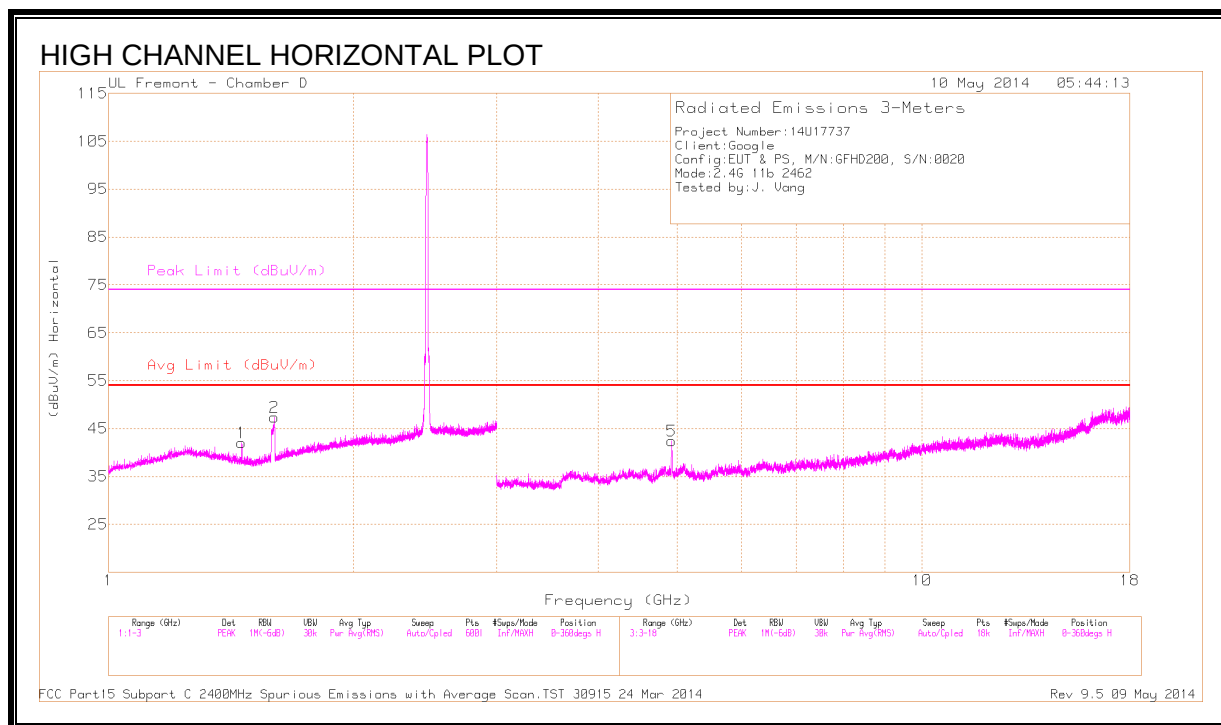
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.458	39.77	PK2	27.4	-21.7	45.47	-	-	74	-28.53	336	392	H
* 1.458	34.72	MAv1	27.4	-21.7	40.42	54	-13.58	-	-	336	392	H
* 1.593	45.08	PK2	27.8	-21.7	51.18	-	-	74	-22.82	80	395	H
* 1.599	35.56	MAv1	27.9	-21.7	41.76	54	-12.24	-	-	80	395	H
* 1.593	43.72	PK2	27.8	-21.7	49.82	-	-	74	-24.18	203	145	V
* 1.597	34.5	MAv1	27.9	-21.7	40.7	54	-13.3	-	-	203	145	V
* 4.874	41.88	PK2	33.5	-26.9	48.48	-	-	74	-25.52	97	136	H
* 4.874	35.72	MAv1	33.5	-26.9	42.32	54	-11.68	-	-	97	136	H
* 3.834	37.94	PK2	32.8	-28.7	42.04	-	-	74	-31.96	74	203	V
* 3.834	32.55	MAv1	32.8	-28.7	36.65	54	-17.35	-	-	74	203	V
* 4.374	37.48	PK2	33.2	-27.9	42.78	-	-	74	-31.22	100	269	V
* 4.374	32.82	MAv1	33.2	-27.9	38.12	54	-15.88	-	-	100	269	V
* 4.874	41.38	PK2	33.5	-26.9	47.98	-	-	74	-26.02	221	250	V
* 4.874	35.2	MAv1	33.5	-26.9	41.8	54	-12.2	-	-	221	250	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.5. HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

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	Notes
* 1.458	38.38	PK2	27.4	-21.7	44.08	-	-	74	-29.92	354	199	H	-
* 1.458	32.92	MAv1	27.4	-21.7	38.62	54	-15.38	-	-	354	199	H	-
* 1.592	46.1	PK2	27.8	-21.7	52.2	-	-	74	-21.8	81	392	H	-
* 1.598	36.09	MAv1	27.9	-21.7	42.29	54	-11.71	-	-	81	392	H	-
* 1.593	44.48	PK2	27.8	-21.7	50.58	-	-	74	-23.42	207	147	V	-
* 1.596	35.03	MAv1	27.9	-21.6	41.33	54	-12.67	-	-	207	147	V	-
* 4.924	41.07	PK2	33.5	-27.8	46.77	-	-	74	-27.23	197	128	H	-
* 4.924	34.74	MAv1	33.5	-27.8	40.44	54	-13.56	-	-	197	128	H	-
* 4.266	36.95	PK2	32.9	-27.8	42.05	-	-	74	-31.95	96	251	V	-
* 4.266	32.28	MAv1	32.9	-27.8	37.38	54	-16.62	-	-	96	251	V	-
6.9	31.21	PK	35.1	-25.6	40.71	-	-	-	-	0-360	201	V	1

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

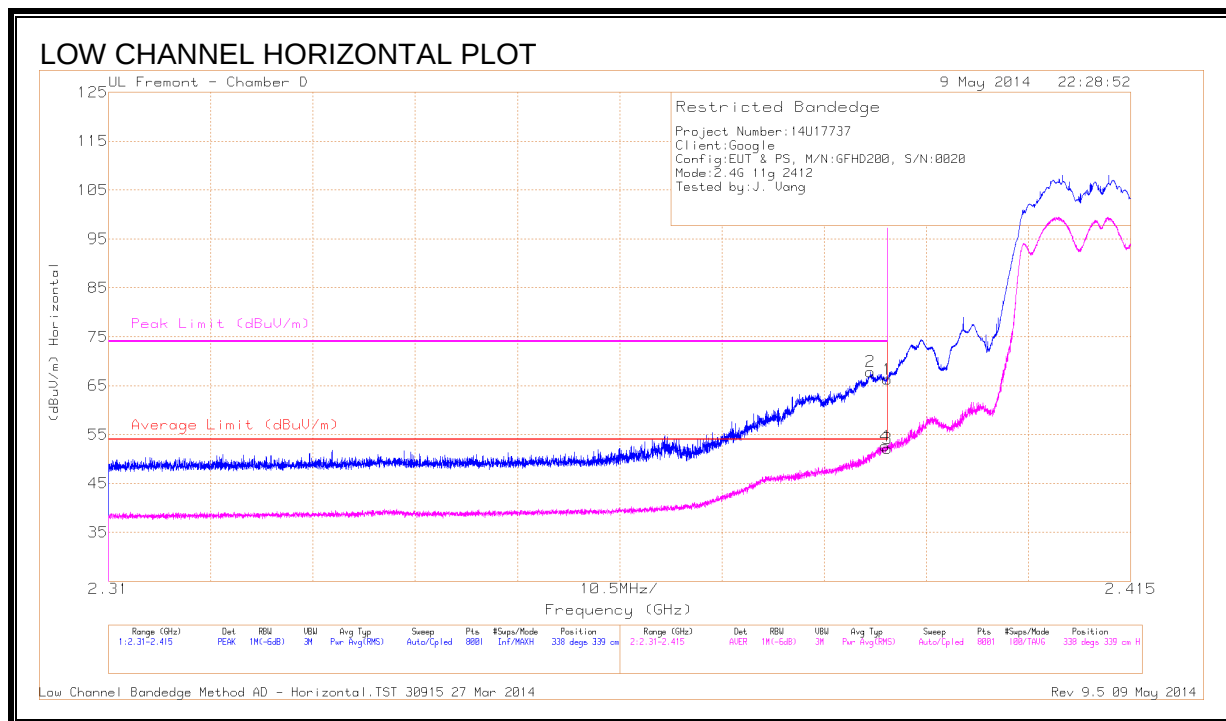
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.3. TX ABOVE 1 GHz 802.11g 2Tx CDD MODE IN THE 2.4 GHz BAND

9.3.1. RESTRICTED BANDEDGE (LOW CHANNEL)



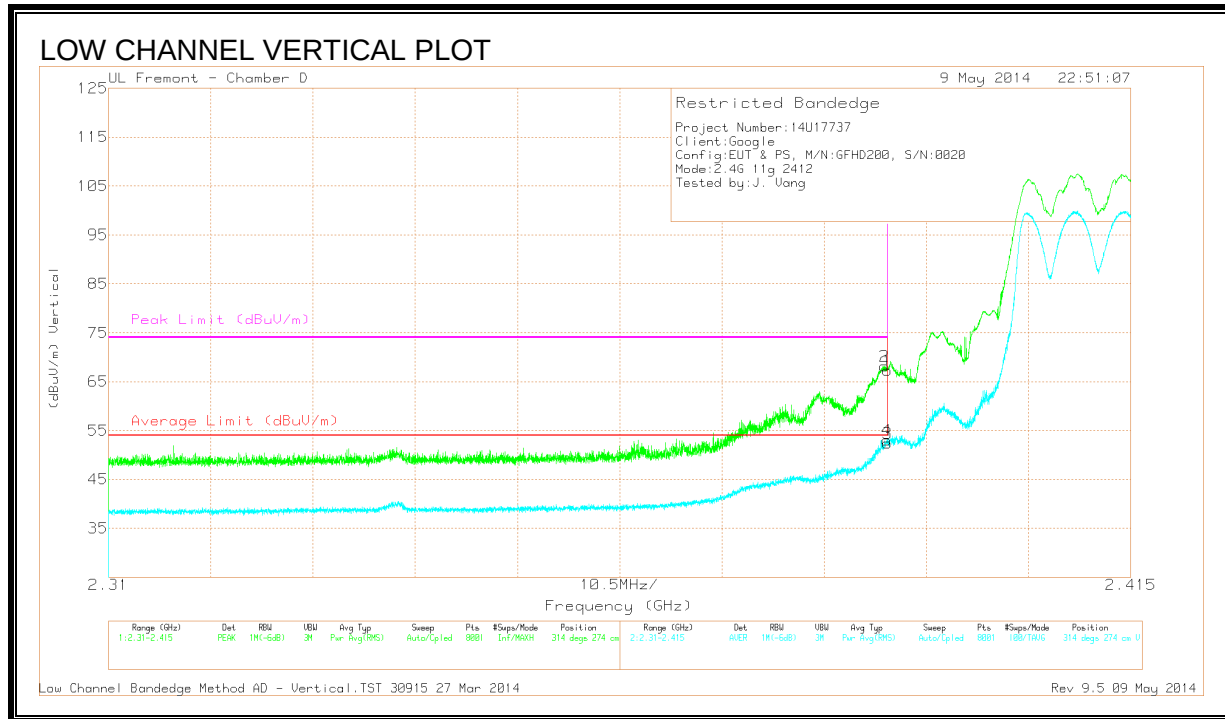
DATA

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	55.4	PK	31.5	-20.6	66.3	-	-	74	-7.7	338	339	H
2	* 2.388	56.96	PK	31.5	-20.6	67.86	-	-	74	-6.14	338	339	H
3	* 2.39	41.21	RMS	31.5	-20.6	52.11	54	-1.89	-	-	338	339	H
4	* 2.39	41.78	RMS	31.5	-20.6	52.68	54	-1.32	-	-	338	339	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



DATA

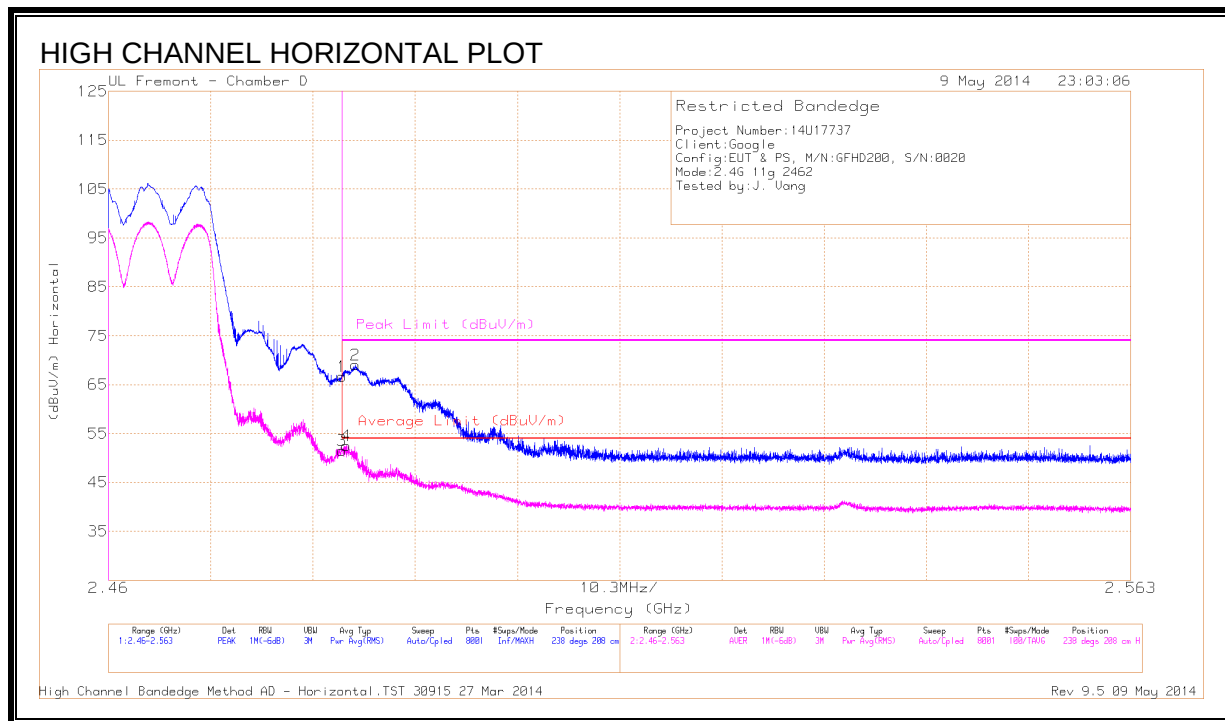
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	56.38	PK	31.5	-20.6	67.28	-	-	74	-6.72	314	274	V
2	* 2.39	57.29	PK	31.5	-20.6	68.19	-	-	74	-5.81	314	274	V
3	* 2.39	41.53	RMS	31.5	-20.6	52.43	54	-1.57	-	-	314	274	V
4	* 2.39	42.09	RMS	31.5	-20.6	52.99	54	-1.01	-	-	314	274	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

9.3.2. RESTRICTED BANDEGE (HIGH CHANNEL)



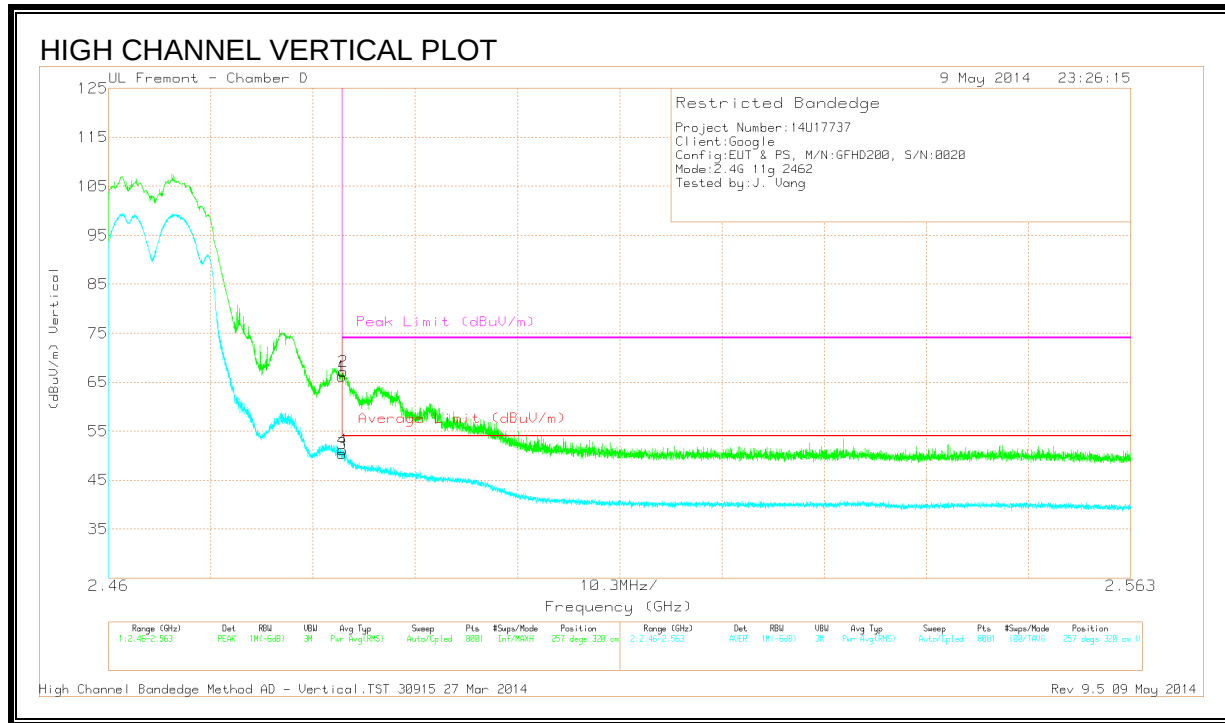
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/ 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	55.13	PK	32.1	-20.6	66.63	-	-	74	-7.37	238	208	H
2	* 2.485	57.55	PK	32.1	-20.6	69.05	-	-	74	-4.95	238	208	H
3	* 2.484	40.08	RMS	32.1	-20.6	51.58	54	-2.42	-	-	238	208	H
4	* 2.484	41.07	RMS	32.1	-20.6	52.57	54	-1.43	-	-	238	208	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



DATA

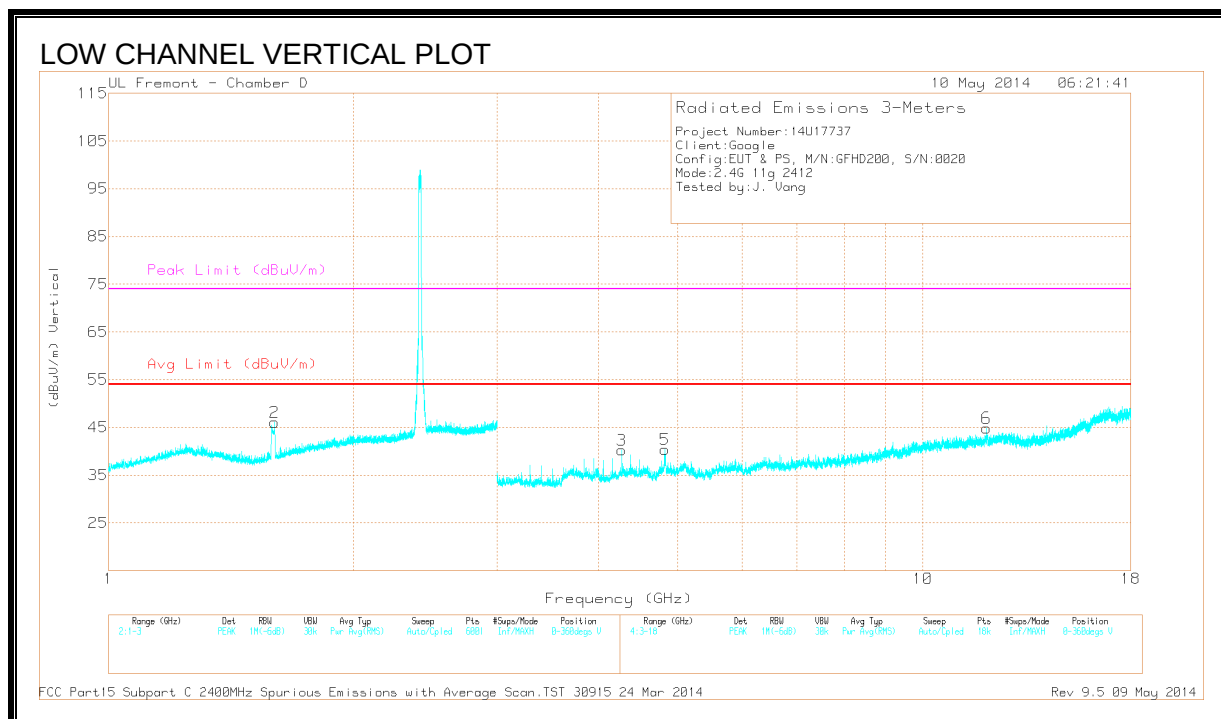
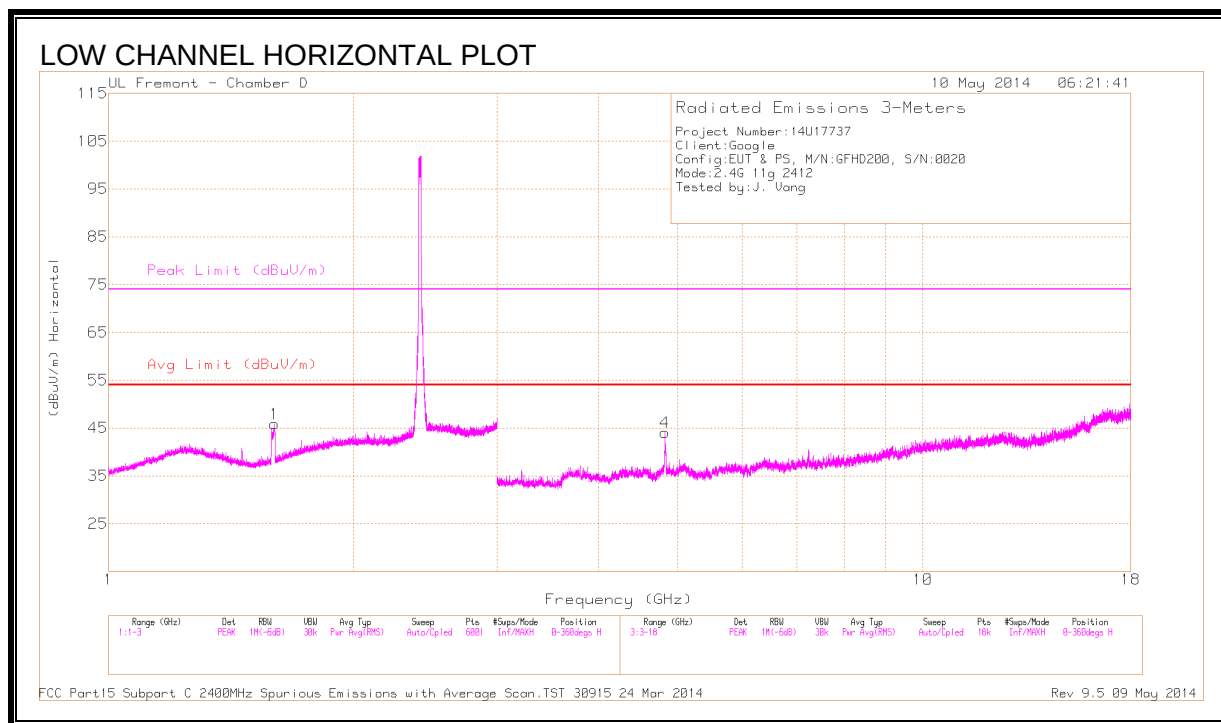
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.72	PK	32.1	-20.6	66.22	-	-	74	-7.78	257	320	V
2	* 2.484	55.7	PK	32.1	-20.6	67.2	-	-	74	-6.8	257	320	V
3	* 2.484	38.94	RMS	32.1	-20.6	50.44	54	-3.56	-	-	257	320	V
4	* 2.484	39.64	RMS	32.1	-20.6	51.14	54	-2.86	-	-	257	320	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

9.3.3. LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

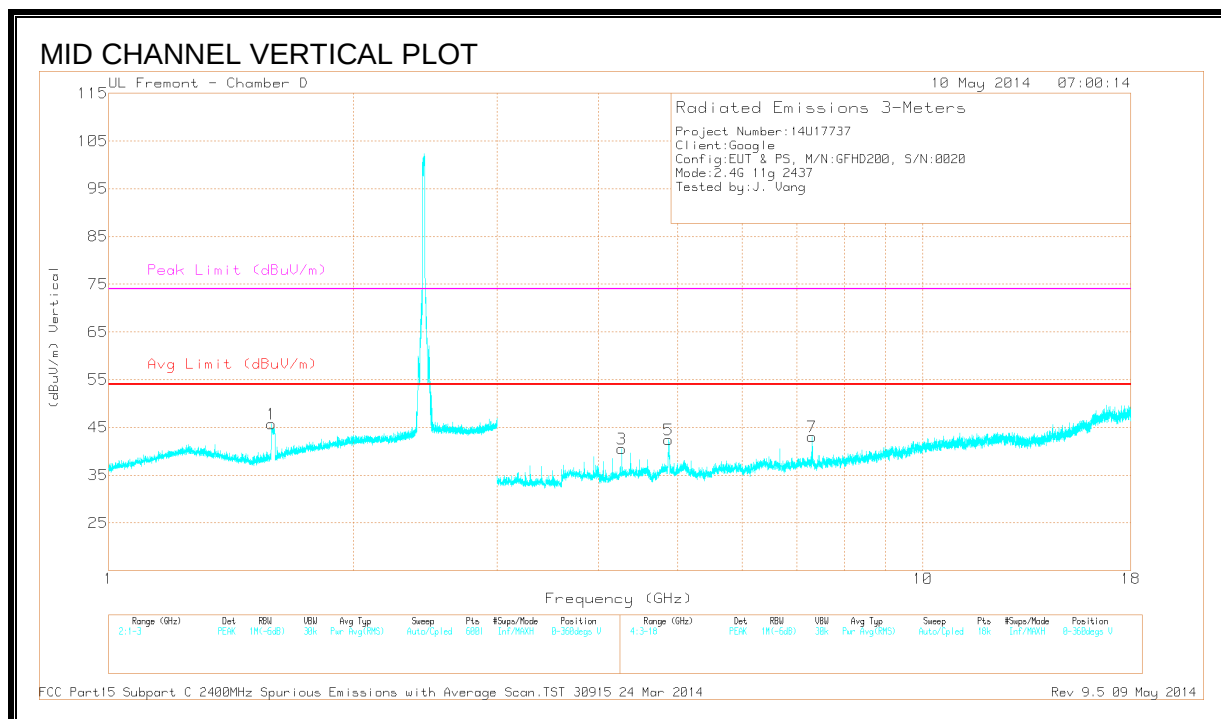
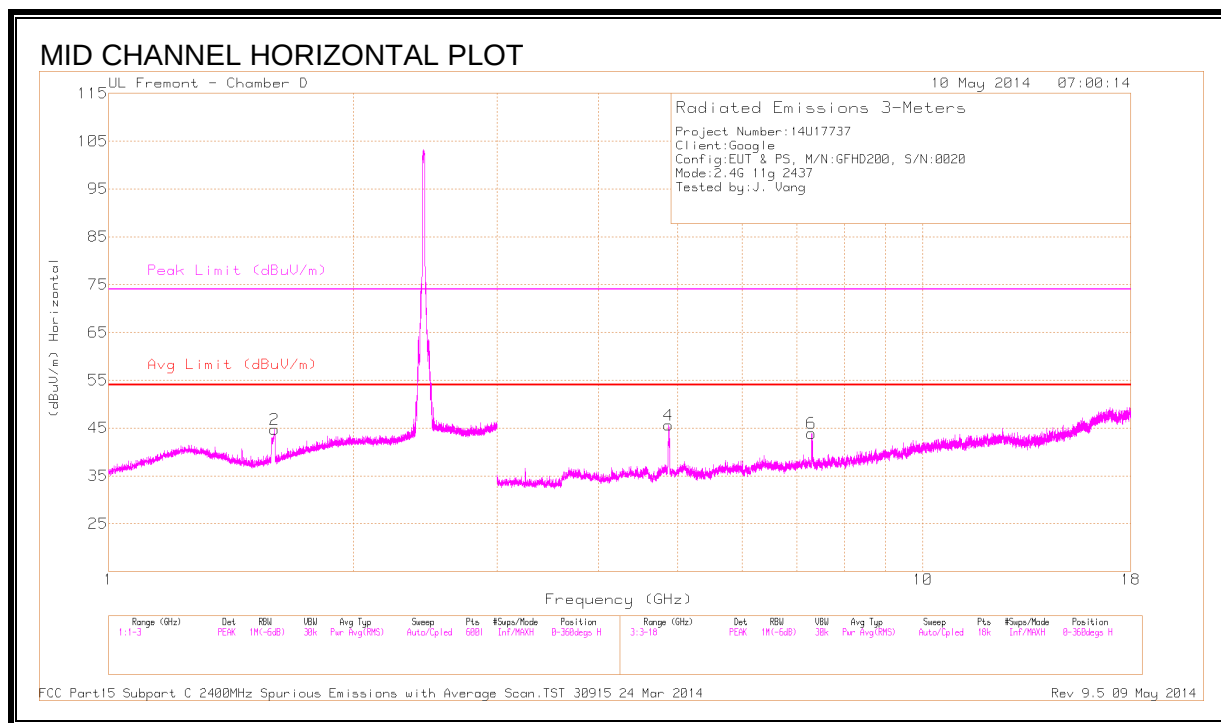
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.593	45.69	PK2	27.8	-21.7	51.79	-	-	74	-22.21	79	213	H
* 1.596	35.62	MAv1	27.9	-21.7	41.82	54	-12.18	-	-	79	213	H
* 1.593	45.31	PK2	27.8	-21.7	51.41	-	-	74	-22.59	225	148	V
* 1.595	35.32	MAv1	27.9	-21.6	41.62	54	-12.38	-	-	225	148	V
* 4.824	40.45	PK2	33.5	-26.7	47.25	-	-	74	-26.75	94	281	H
* 4.824	33.54	MAv1	33.5	-26.7	40.34	54	-13.66	-	-	94	281	H
* 4.266	37.24	PK2	32.9	-27.8	42.34	-	-	74	-31.66	102	255	V
* 4.266	32.73	MAv1	32.9	-27.8	37.83	54	-16.17	-	-	102	255	V
* 4.824	40.62	PK2	33.5	-26.7	47.42	-	-	74	-26.58	141	314	V
* 4.824	33.75	MAv1	33.5	-26.7	40.55	54	-13.45	-	-	141	314	V
* 11.979	29.49	PK2	38.2	-20.7	46.99	-	-	74	-27.01	81	147	V
* 11.978	22.93	MAv1	38.2	-20.7	40.43	54	-13.57	-	-	81	147	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.3.4. MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

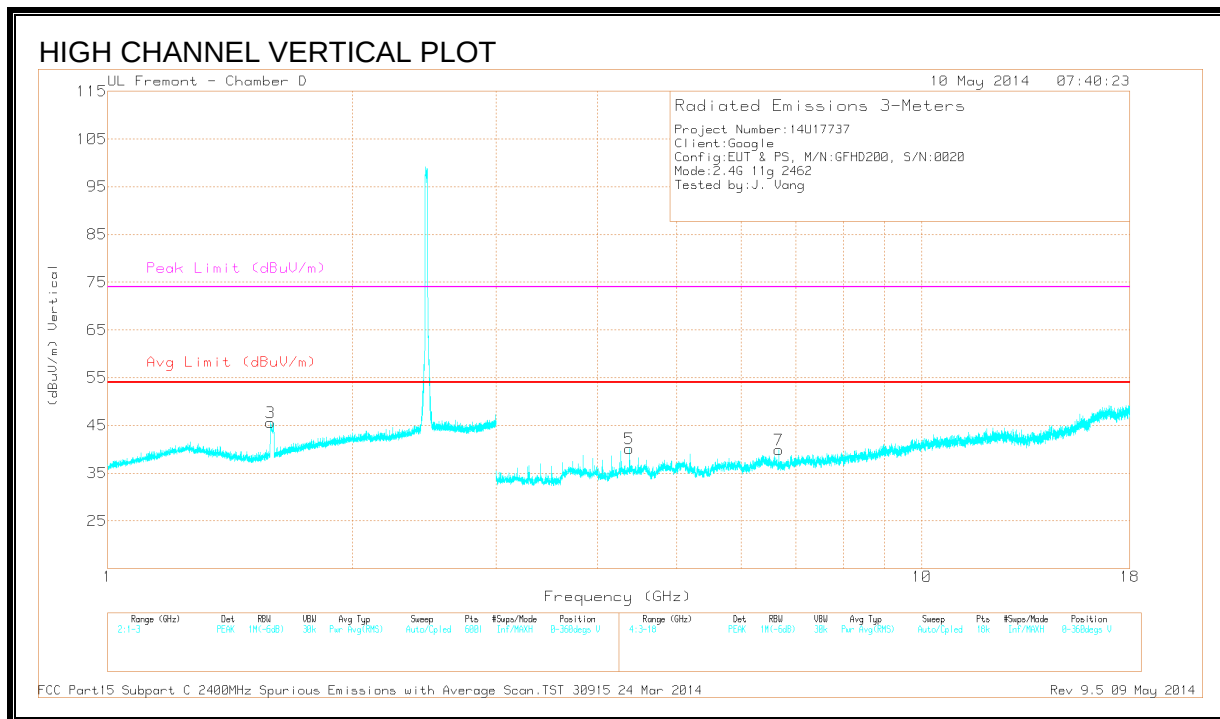
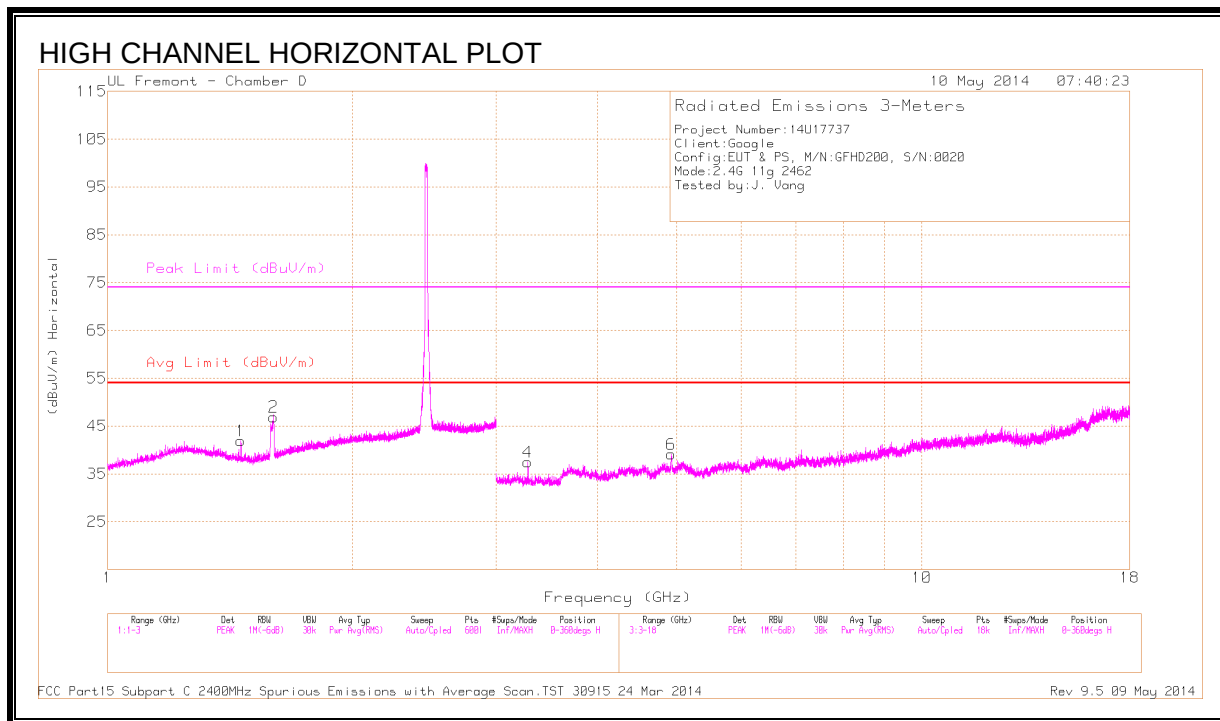
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.593	45.93	PK2	27.8	-21.7	52.03	-	-	74	-21.97	79	383	H
* 1.598	35.9	MAv1	27.9	-21.7	42.1	54	-11.9	-	-	79	383	H
* 1.593	43.49	PK2	27.8	-21.7	49.59	-	-	74	-24.41	344	134	V
* 1.586	34.41	MAv1	27.8	-21.7	40.51	54	-13.49	-	-	344	134	V
* 4.874	43.57	PK2	33.5	-26.9	50.17	-	-	74	-23.83	94	101	H
* 4.874	36.61	MAv1	33.5	-26.9	43.21	54	-10.79	-	-	94	101	H
* 7.303	37.71	PK2	35.1	-24.7	48.11	-	-	74	-25.89	118	154	H
* 7.303	30.04	MAv1	35.1	-24.7	40.44	54	-13.56	-	-	118	154	H
* 4.266	37.2	PK2	32.9	-27.8	42.3	-	-	74	-31.7	103	201	V
* 4.266	32.64	MAv1	32.9	-27.8	37.74	54	-16.26	-	-	103	201	V
* 4.873	42.21	PK2	33.5	-26.9	48.81	-	-	74	-25.19	128	276	V
* 4.873	35.22	MAv1	33.5	-26.9	41.82	54	-12.18	-	-	128	276	V
* 7.313	36.52	PK2	35.1	-24.8	46.82	-	-	74	-27.18	133	263	V
* 7.313	29.39	MAv1	35.1	-24.8	39.69	54	-14.31	-	-	133	263	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.3.5. HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

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	Notes
* 1.458	38.81	PK2	27.4	-21.7	44.51	-	-	74	-29.49	353	270	H	-
* 1.458	33.62	MAv1	27.4	-21.7	39.32	54	-14.68	-	-	353	270	H	-
* 1.593	46.32	PK2	27.8	-21.7	52.42	-	-	74	-21.58	79	393	H	-
* 1.599	36.4	MAv1	27.9	-21.7	42.6	54	-11.4	-	-	79	393	H	-
* 1.594	44.18	PK2	27.8	-21.7	50.28	-	-	74	-23.72	210	150	V	-
* 1.598	34.72	MAv1	27.9	-21.7	40.92	54	-13.08	-	-	210	150	V	-
* 4.919	37.1	PK2	33.5	-27.8	42.8	-	-	74	-31.2	94	156	H	-
* 4.919	30.06	MAv1	33.5	-27.8	35.76	54	-18.24	-	-	94	156	H	-
* 4.374	37.41	PK2	33.2	-27.9	42.71	-	-	74	-31.29	89	273	V	-
* 4.374	32.6	MAv1	33.2	-27.9	37.9	54	-16.1	-	-	89	273	V	-
3.282	34.11	PK	32.5	-29.1	37.51	-	-	-	-	0-360	100	H	1
6.676	30.8	PK	35	-25.9	39.9	-	-	-	-	0-360	201	V	1

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

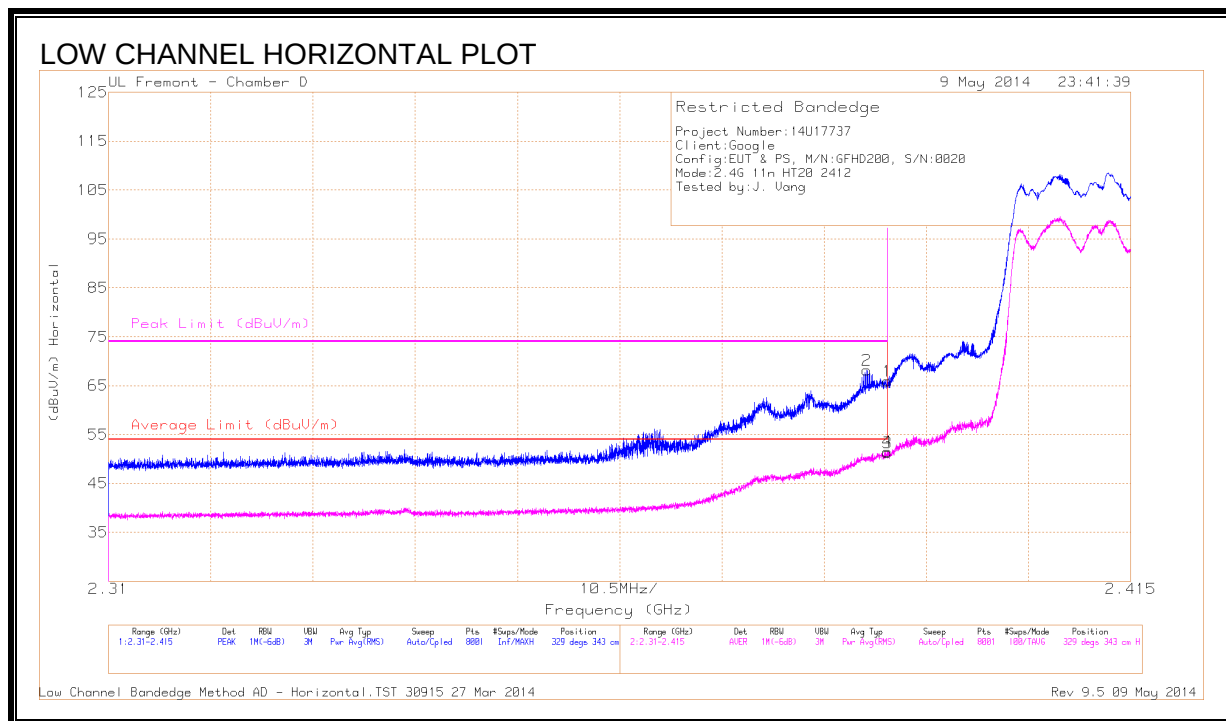
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.4. TX ABOVE 1 GHz 802.11n HT20 2Tx CDD MODE IN THE 2.4 GHz BAND

9.4.1. RESTRICTED BANDEDGE (LOW CHANNEL)



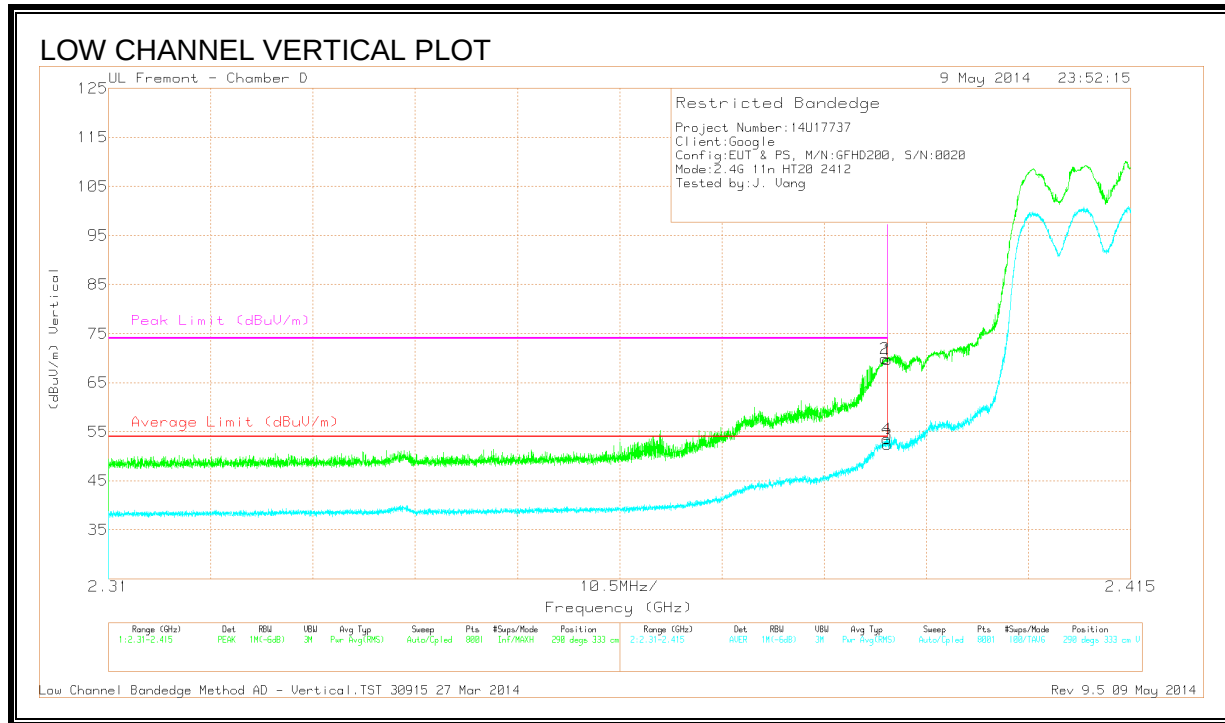
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/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	54.98	PK	31.5	-20.6	65.88	-	-	74	-8.12	329	343	H
2	* 2.388	57.28	PK	31.5	-20.6	68.18	-	-	74	-5.82	329	343	H
3	* 2.39	40.43	RMS	31.5	-20.6	51.33	54	-2.67	-	-	329	343	H
4	* 2.39	40.62	RMS	31.5	-20.6	51.52	54	-2.48	-	-	329	343	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



DATA

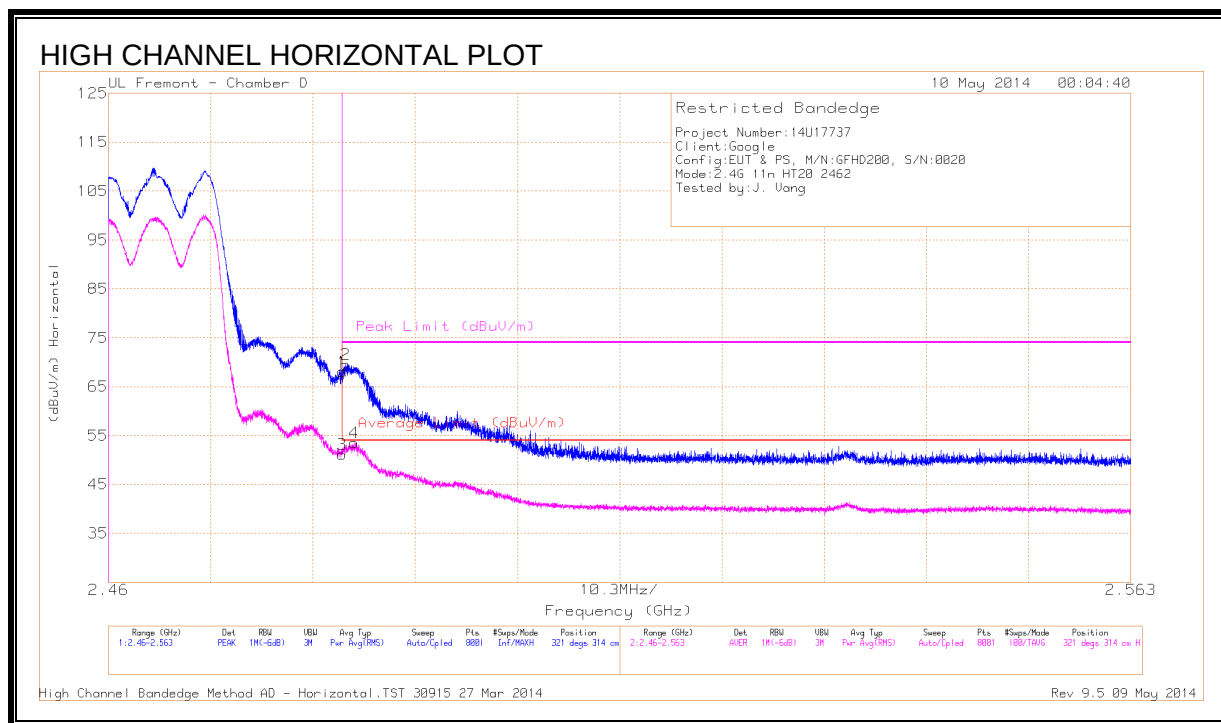
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.74	PK	31.5	-20.6	69.64	-	-	74	-4.36	290	333	V
2	* 2.39	59	PK	31.5	-20.6	69.9	-	-	74	-4.1	290	333	V
3	* 2.39	41.5	RMS	31.5	-20.6	52.4	54	-1.6	-	-	290	333	V
4	* 2.39	42.67	RMS	31.5	-20.6	53.57	54	-4.3	-	-	290	333	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

9.4.2. RESTRICTED BANDEGE (HIGH CHANNEL)



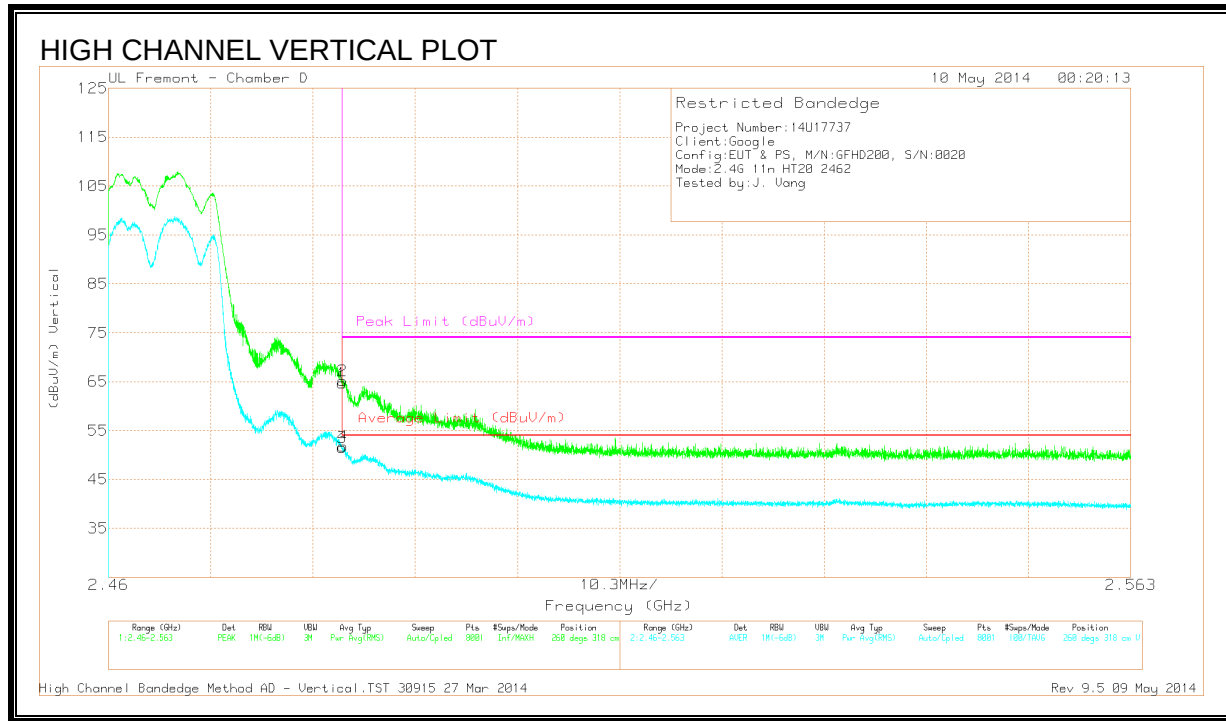
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/ 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	56.5	PK	32.1	-20.6	68	-	-	74	-6	321	314	H
2	* 2.484	58.01	PK	32.1	-20.6	69.51	-	-	74	-4.49	321	314	H
3	* 2.484	39.66	RMS	32.1	-20.6	51.16	54	-2.84	-	-	321	314	H
4	* 2.485	41.99	RMS	32.1	-20.6	53.49	54	-51	-	-	321	314	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



DATA

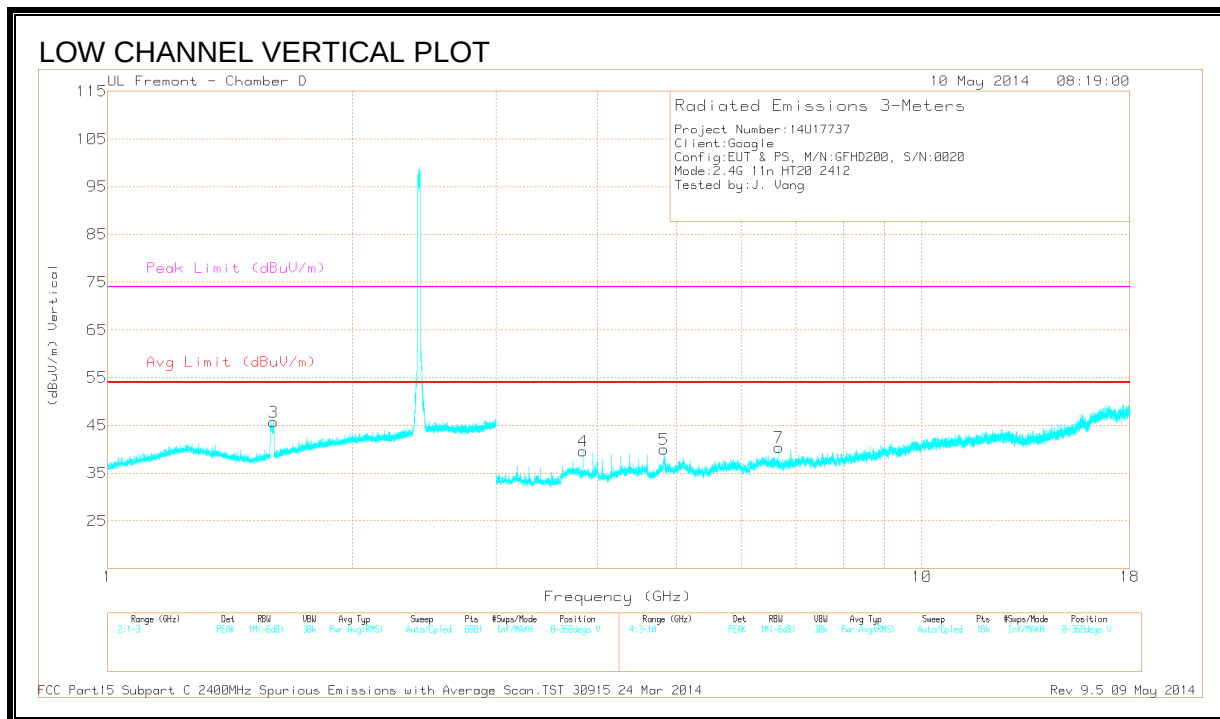
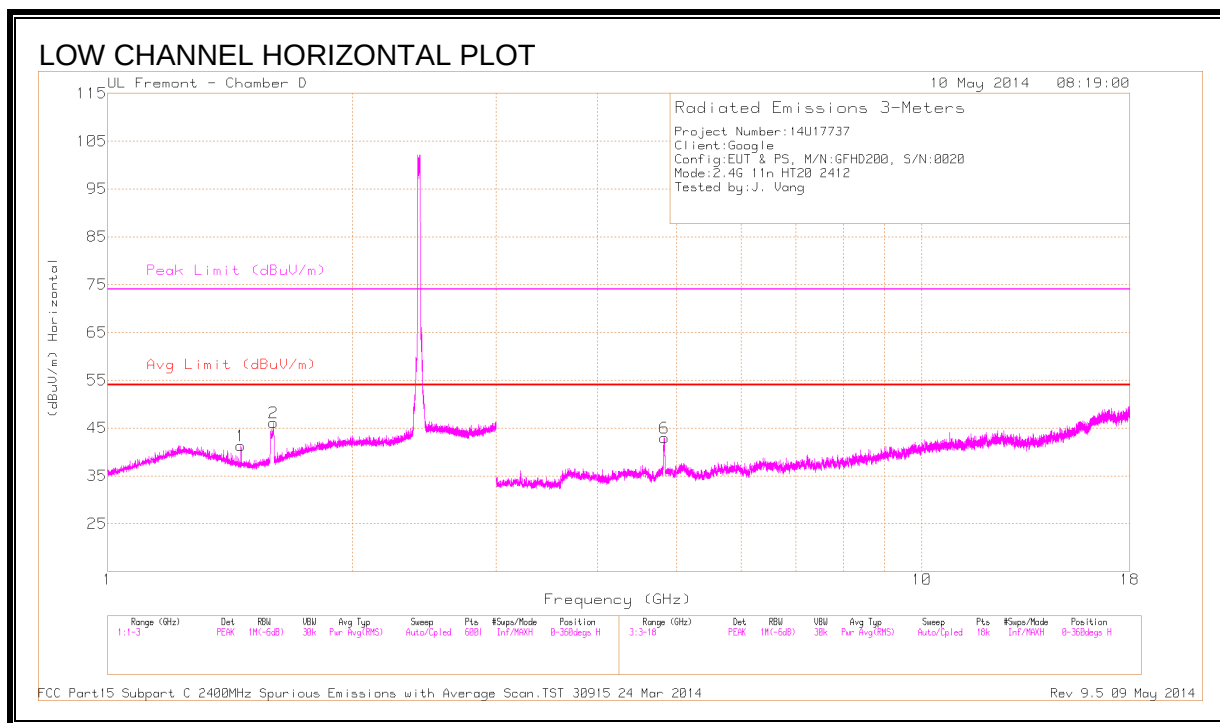
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.25	PK	32.1	-20.6	64.75	-	-	74	-9.25	260	318	V
2	* 2.484	53.72	PK	32.1	-20.6	65.22	-	-	74	-8.78	260	318	V
3	* 2.484	40.08	RMS	32.1	-20.6	51.58	54	-2.42	-	-	260	318	V
4	* 2.484	40.31	RMS	32.1	-20.6	51.81	54	-2.19	-	-	260	318	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

9.4.3. LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Pol.	Notes
* 1.458	39.21	PK2	27.4	-21.7	0	44.91	-	-	74	-29.09	341	282	H	-
* 1.458	34.18	MAv1	27.4	-21.7	.4	40.28	54	-13.72	-	-	341	282	H	-
* 1.593	47.01	PK2	27.8	-21.7	0	53.11	-	-	74	-20.89	85	276	H	-
* 1.594	36.71	MAv1	27.8	-21.6	.4	43.31	54	-10.69	-	-	85	276	H	-
* 1.591	44.47	PK2	27.8	-21.7	0	50.57	-	-	74	-23.43	347	200	V	-
* 1.588	34.91	MAv1	27.8	-21.7	.4	41.41	54	-12.59	-	-	347	200	V	-
* 4.828	39.04	PK2	33.5	-26.7	0	45.84	-	-	74	-28.16	91	141	H	-
* 4.828	32.08	MAv1	33.5	-26.7	.4	39.28	54	-14.72	-	-	91	141	H	-
* 3.834	37.51	PK2	32.8	-28.7	0	41.61	-	-	74	-32.39	83	207	V	-
* 3.834	32.49	MAv1	32.8	-28.7	.4	36.99	54	-17.01	-	-	83	207	V	-
* 4.823	39.68	PK2	33.5	-26.7	0	46.48	-	-	74	-27.52	126	281	V	-
* 4.822	33	MAv1	33.5	-26.7	.4	40.2	54	-13.8	-	-	126	281	V	-
6.676	31.3	PK	35	-25.9	0	40.4	-	-	-	-	0-360	201	V	1

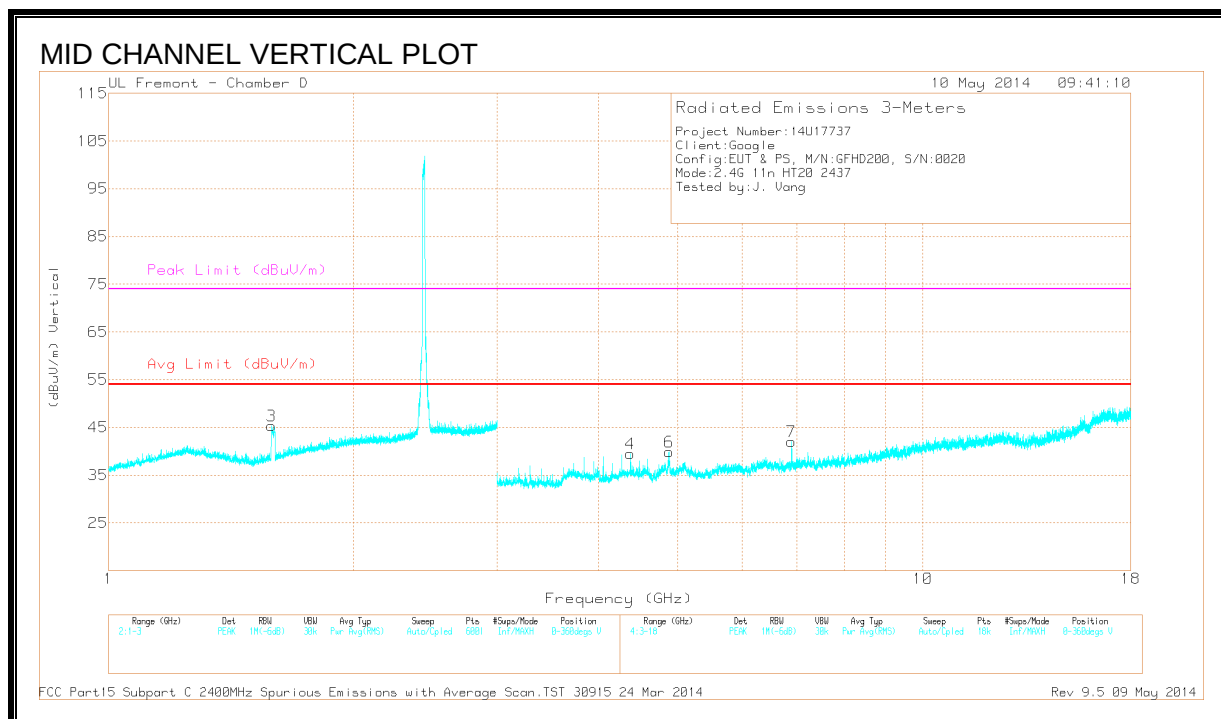
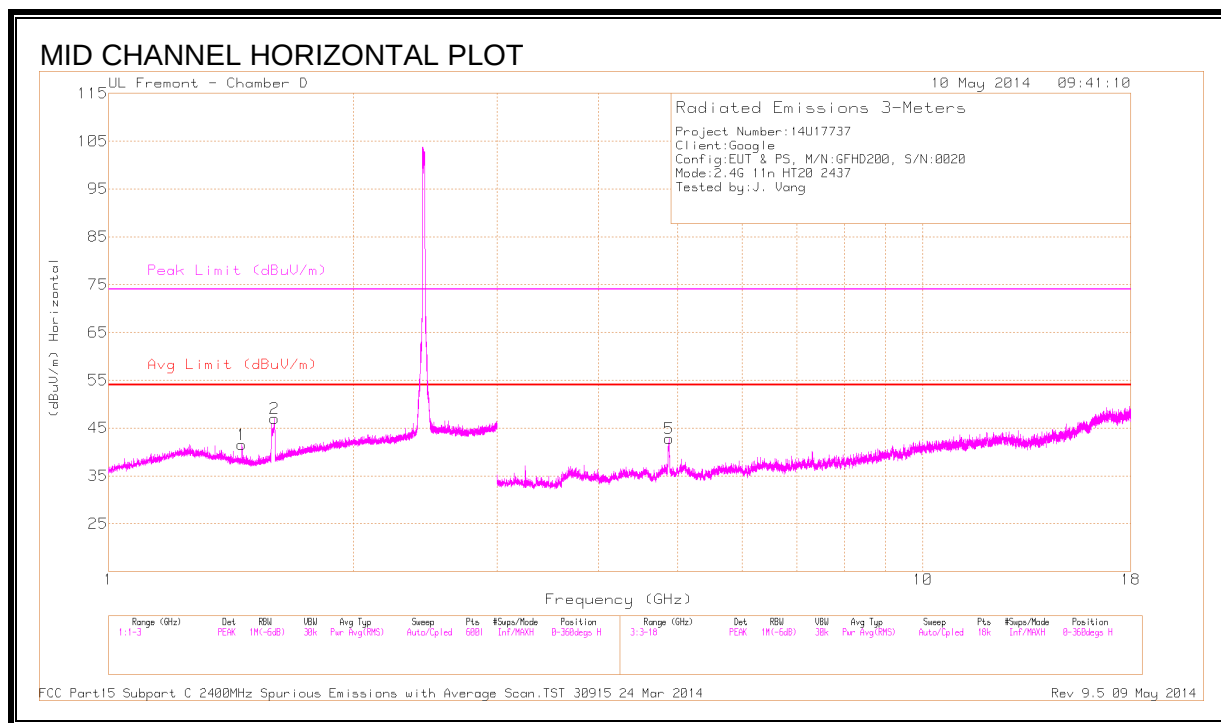
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.4.4. MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	Notes
* 1.458	39.43	PK2	27.4	-21.7	0	45.13	-	-	74	-28.87	345	390	H	-
* 1.458	34.28	MAv1	27.4	-21.7	.4	40.38	54	-13.62	-	-	345	390	H	-
* 1.593	45.06	PK2	27.8	-21.7	0	51.16	-	-	74	-22.84	83	213	H	-
* 1.598	35.2	MAv1	27.9	-21.7	.4	41.8	54	-12.2	-	-	83	213	H	-
* 1.593	43.72	PK2	27.8	-21.7	0	49.82	-	-	74	-24.18	355	127	V	-
* 1.596	34.58	MAv1	27.9	-21.6	.4	41.28	54	-12.72	-	-	355	127	V	-
* 4.884	39.41	PK2	33.5	-26.7	0	46.21	-	-	74	-27.79	100	175	H	-
* 4.886	32.25	MAv1	33.5	-26.7	.4	39.45	54	-14.55	-	-	100	175	H	-
* 4.374	37.64	PK2	33.2	-27.9	0	42.94	-	-	74	-31.06	99	276	V	-
* 4.374	33.14	MAv1	33.2	-27.9	.4	38.84	54	-15.16	-	-	99	276	V	-
* 4.883	39.89	PK2	33.5	-26.7	0	46.69	-	-	74	-27.31	141	311	V	-
* 4.883	32.95	MAv1	33.5	-26.7	.4	40.15	54	-13.85	-	-	141	311	V	-
6.9	32.83	PK	35.1	-25.6	0	42.33	-	-	-	-	0-360	201	V	1

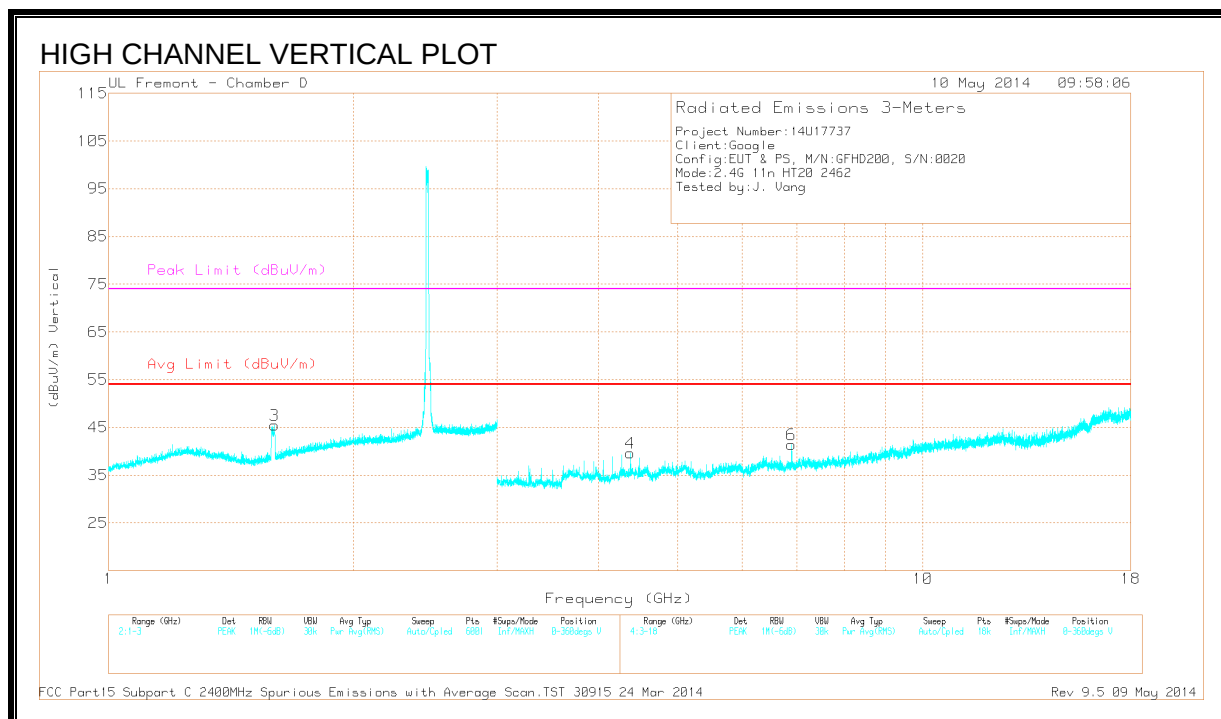
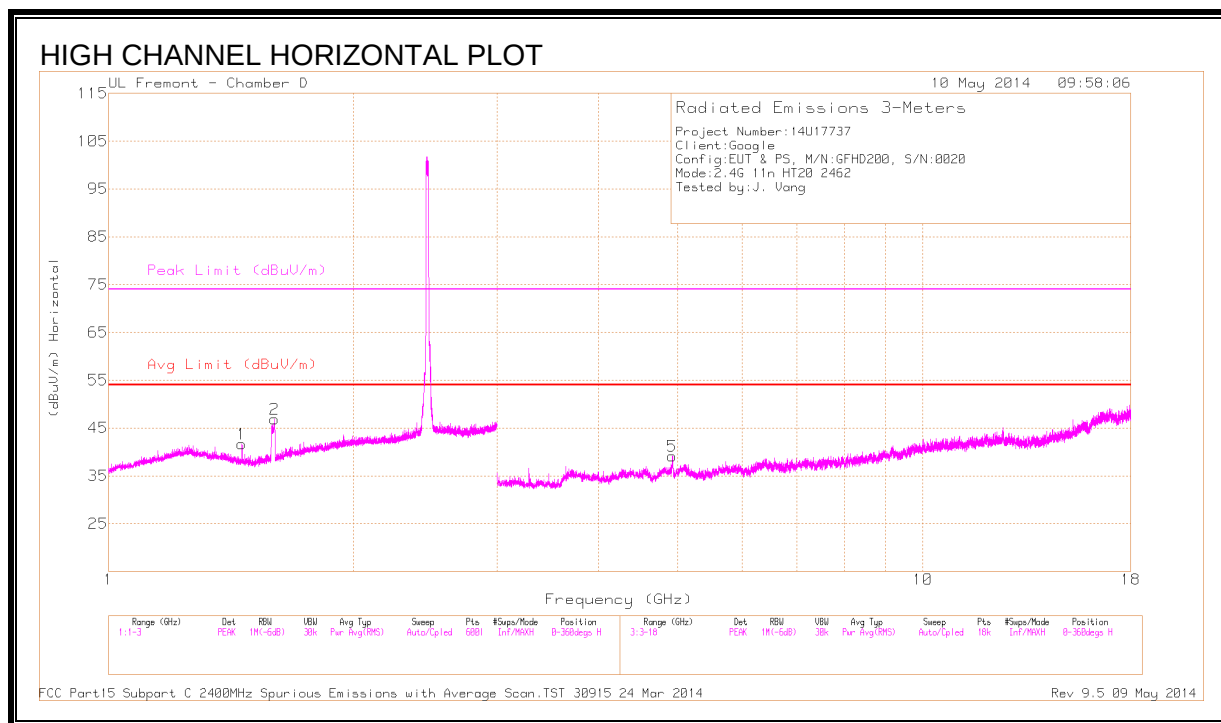
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.4.5. HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	Notes
* 1.458	39.55	PK2	27.4	-21.7	0	45.25	-	-	74	-28.75	333	391	H	-
* 1.458	33.91	MAv1	27.4	-21.7	.4	40.01	54	-13.99	-	-	333	391	H	-
* 1.593	46.08	PK2	27.8	-21.7	0	52.18	-	-	74	-21.82	81	218	H	-
* 1.597	36.41	MAv1	27.9	-21.7	.4	43.01	54	-10.99	-	-	81	218	H	-
* 1.591	43.87	PK2	27.8	-21.7	0	49.97	-	-	74	-24.03	211	108	V	-
* 1.589	34.46	MAv1	27.8	-21.7	.4	40.96	54	-13.04	-	-	211	108	V	-
* 4.924	36.82	PK2	33.5	-27.8	0	42.52	-	-	74	-31.48	96	170	H	-
* 4.924	30.02	MAv1	33.5	-27.8	.4	36.12	54	-17.88	-	-	96	170	H	-
* 4.374	37.14	PK2	33.2	-27.9	0	42.44	-	-	74	-31.56	89	276	V	-
* 4.374	32.49	MAv1	33.2	-27.9	.4	38.19	54	-15.81	-	-	89	276	V	-
6.9	31.92	PK	35.1	-25.6	0	41.42	-	-	-	-	0-360	201	V	1

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

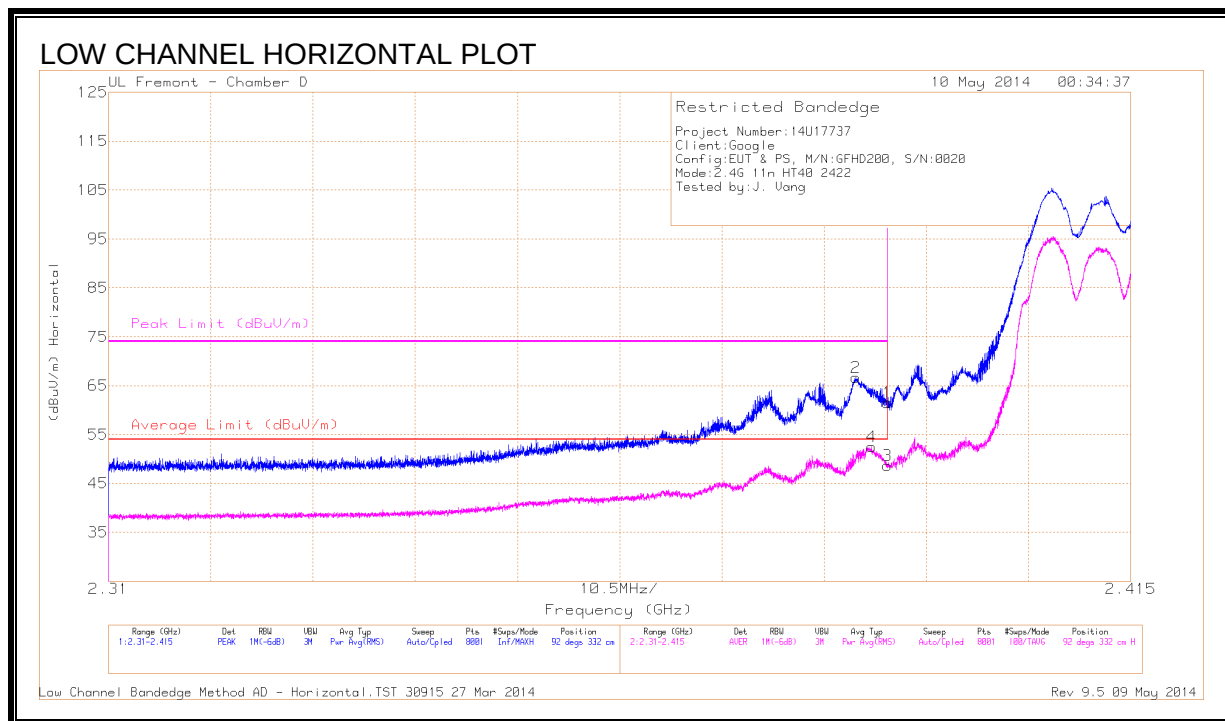
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.5. TX ABOVE 1 GHz 802.11n HT40 2Tx CDD MODE IN THE 2.4 GHz BAND

9.5.1. RESTRICTED BANDEDGE (LOW CHANNEL)



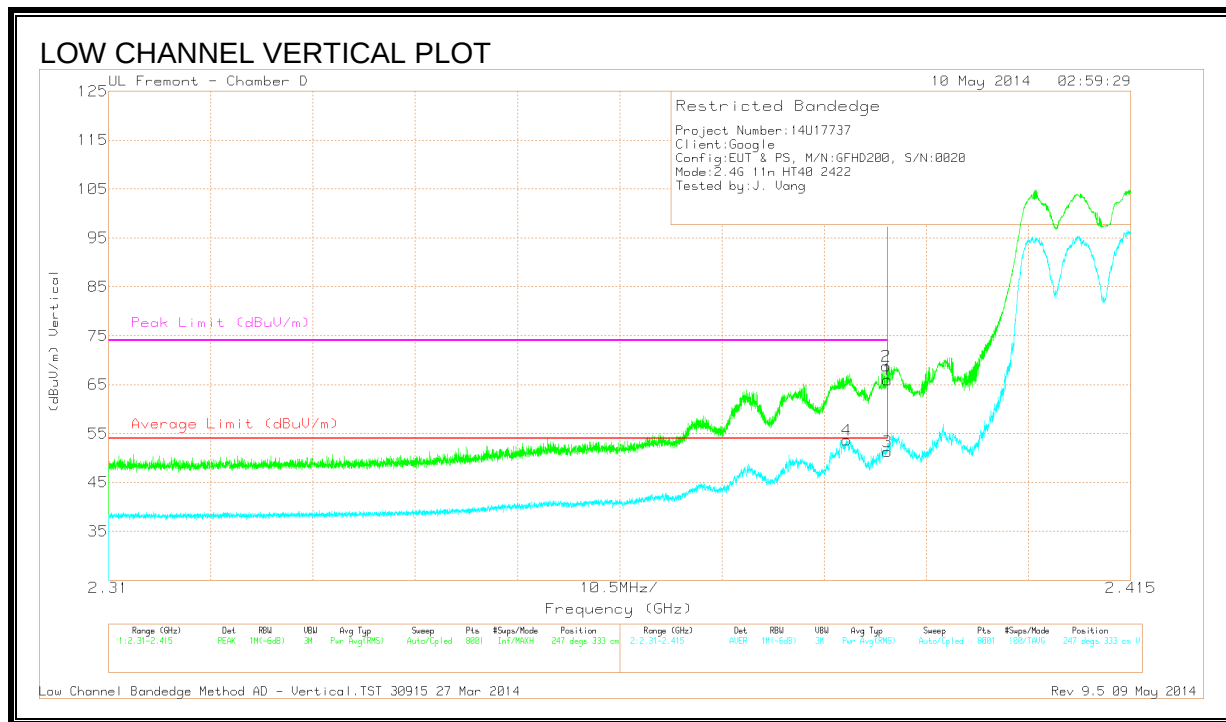
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	50.63	PK	31.5	-20.6	61.53	-	-	74	-12.47	92	332	H
2	* 2.387	55.76	PK	31.5	-20.6	66.66	-	-	74	-7.34	92	332	H
3	* 2.39	37.73	RMS	31.5	-20.6	48.63	54	-5.37	-	-	92	332	H
4	* 2.388	41.58	RMS	31.5	-20.6	52.48	54	-1.52	-	-	92	332	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



DATA

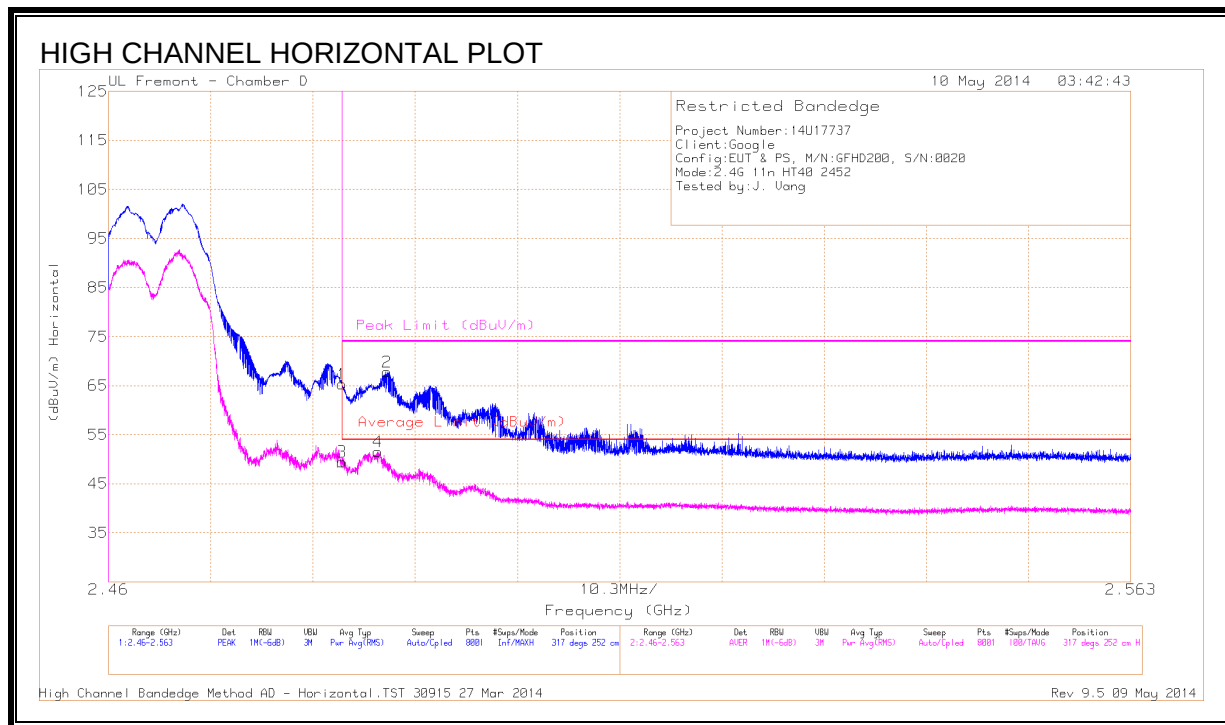
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.1	PK	31.5	-20.6	66	-	-	74	-8	247	333	V
2	* 2.39	57.91	PK	31.5	-20.6	68.81	-	-	74	-5.19	247	333	V
3	* 2.39	40.36	RMS	31.5	-20.6	51.26	54	-2.74	-	-	247	333	V
4	* 2.386	42.76	RMS	31.5	-20.6	53.66	54	-34	-	-	247	333	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

9.5.2. RESTRICTED BANDEDGE (HIGH CHANNEL)



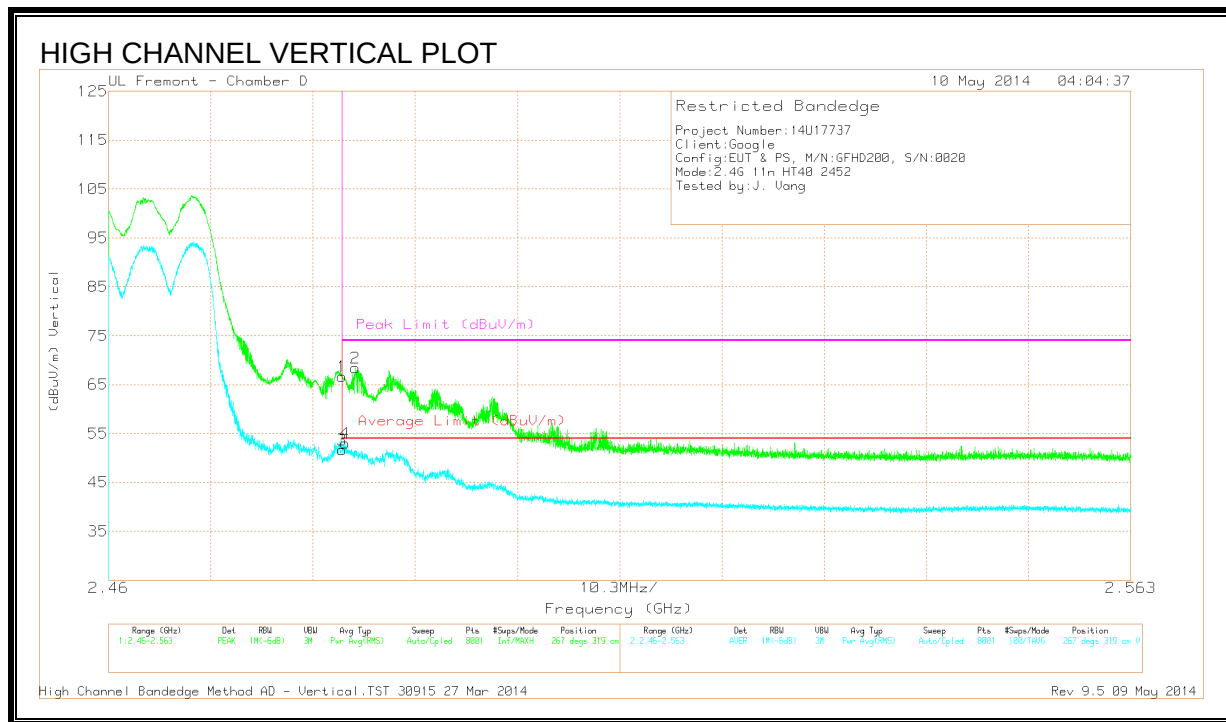
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.78	PK	32.1	-20.6	65.28	-	-	74	-8.72	317	252	H
2	* 2.488	56.35	PK	32.1	-20.7	67.75	-	-	74	-6.25	317	252	H
3	* 2.484	37.98	RMS	32.1	-20.6	49.48	54	-4.52	-	-	317	252	H
4	* 2.487	40.08	RMS	32.1	-20.7	51.48	54	-2.52	-	-	317	252	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



DATA

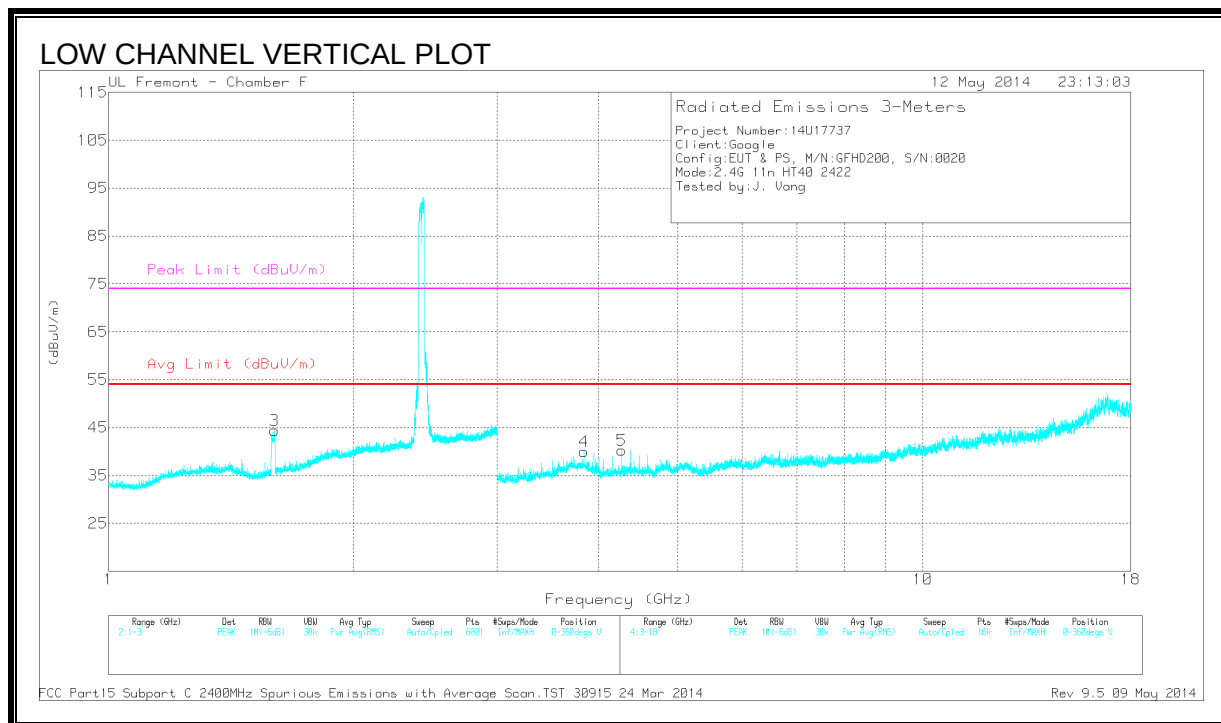
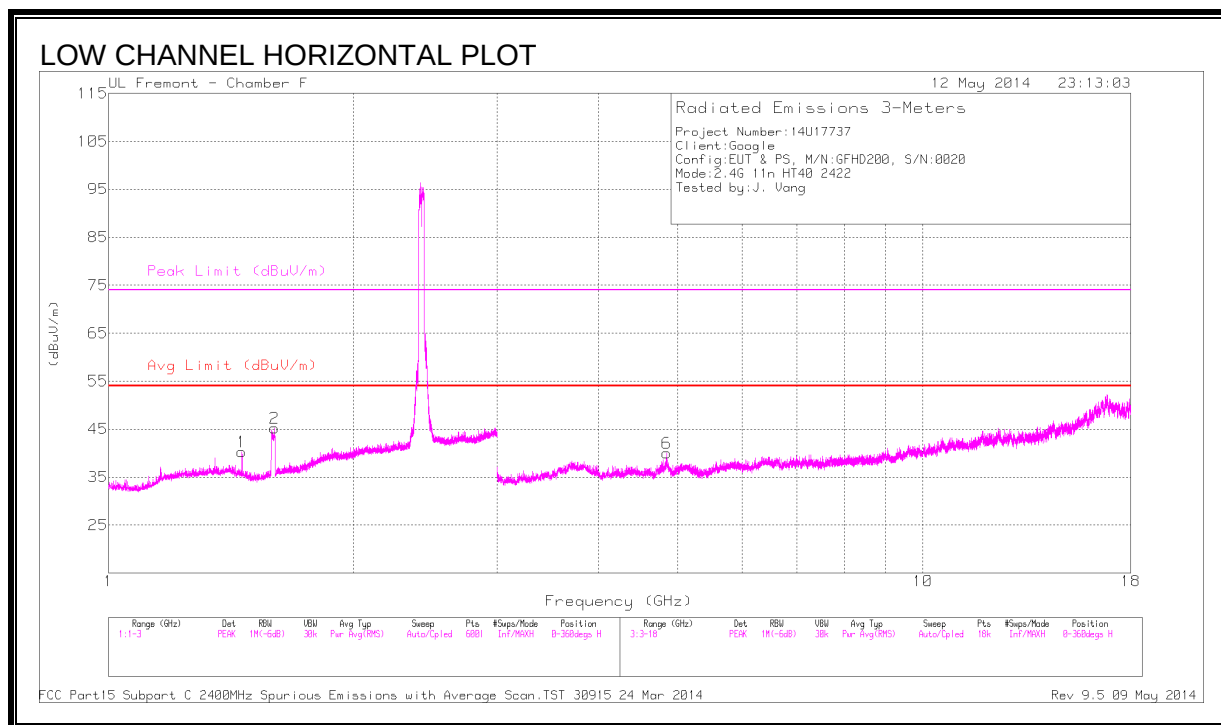
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.14	PK	32.1	-20.6	66.64	-	-	74	-7.36	267	319	V
2	* 2.485	56.93	PK	32.1	-20.6	68.43	-	-	74	-5.57	267	319	V
3	* 2.484	40.12	RMS	32.1	-20.6	51.62	54	-2.38	-	-	267	319	V
4	* 2.484	41.48	RMS	32.1	-20.6	52.98	54	-1.02	-	-	267	319	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

9.5.3. LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

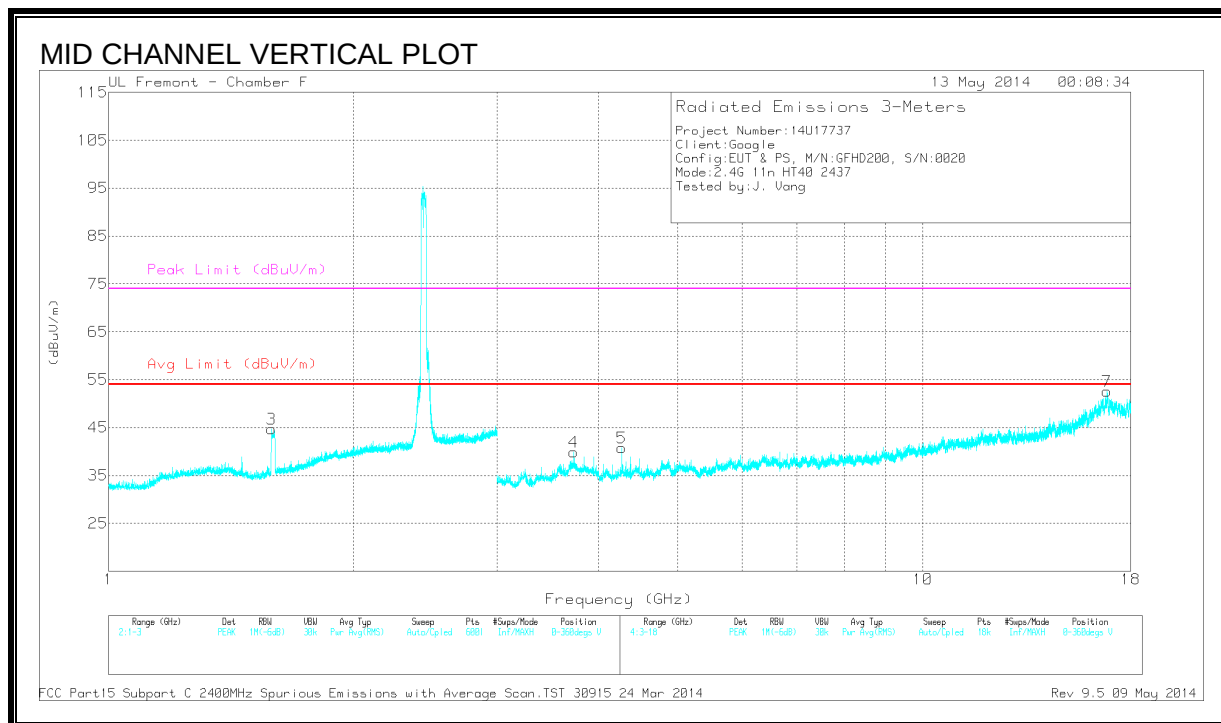
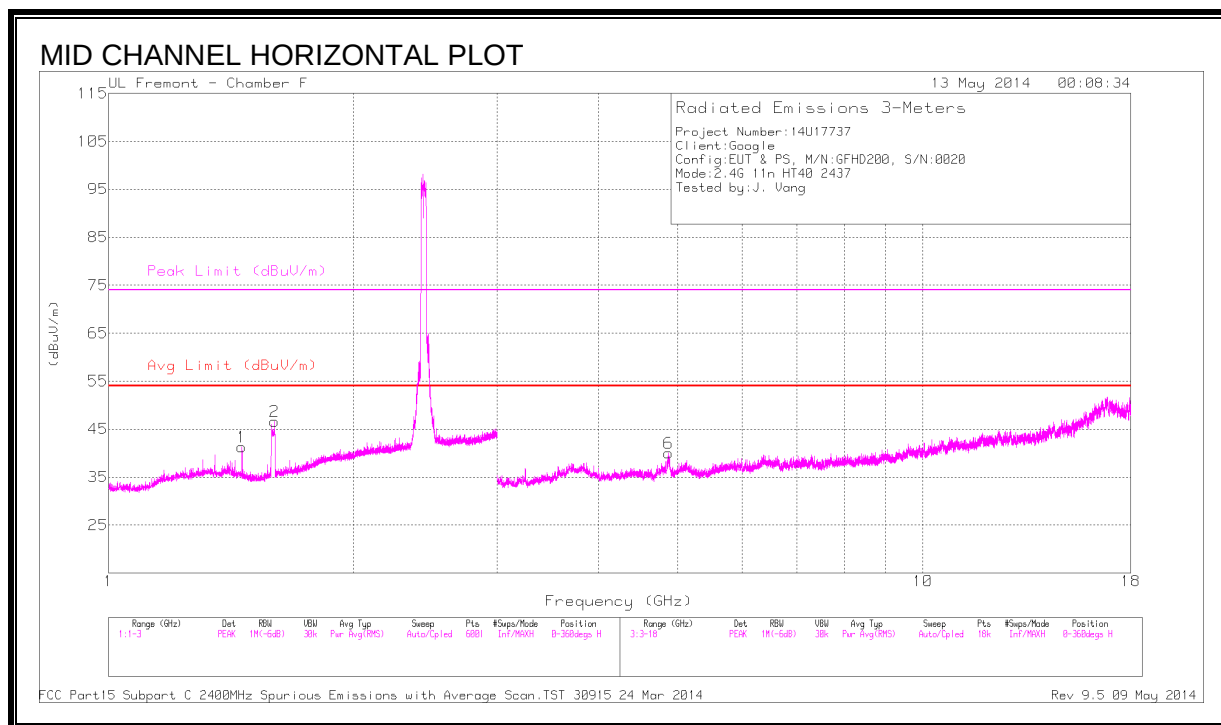
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.458	40.69	PK2	28.7	-25.8	0	43.59	-	-	74	-30.41	344	398	H
* 1.458	37.14	MAv1	28.7	-25.8	.6	40.64	54	-13.36	-	-	344	398	H
* 1.593	50.06	PK2	28.5	-25.4	0	53.16	-	-	74	-20.84	86	285	H
* 1.598	39.46	MAv1	28.5	-25.4	.6	43.16	54	-10.84	-	-	86	285	H
* 1.593	47.21	PK2	28.5	-25.4	0	50.31	-	-	74	-23.69	330	138	V
* 1.598	37.18	MAv1	28.5	-25.4	.6	40.88	54	-13.12	-	-	330	138	V
* 4.842	35.39	PK2	34.1	-27.4	0	42.09	-	-	74	-31.91	89	180	H
* 4.843	28.26	MAv1	34.1	-27.4	.6	35.56	54	-18.44	-	-	89	180	H
* 3.834	37.05	PK2	34.3	-28.9	0	42.45	-	-	74	-31.55	75	206	V
* 3.834	31.63	MAv1	34.3	-28.9	.6	37.63	54	-16.37	-	-	75	206	V
* 4.266	37.68	PK2	33.7	-28.8	0	42.58	-	-	74	-31.42	96	261	V
* 4.266	32.96	MAv1	33.7	-28.8	.6	38.46	54	-15.54	-	-	96	261	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.5.4. MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	Notes
* 1.458	41.27	PK2	28.7	-25.8	0	44.17	-	-	74	-29.83	341	396	H	-
* 1.458	37.07	MAv1	28.7	-25.8	.6	40.57	54	-13.43	-	-	341	396	H	-
* 1.593	49.96	PK2	28.5	-25.4	0	53.06	-	-	74	-20.94	87	285	H	-
* 1.598	39.52	MAv1	28.5	-25.4	.6	43.22	54	-10.78	-	-	87	285	H	-
* 1.593	47.36	PK2	28.5	-25.4	0	50.46	-	-	74	-23.54	333	137	V	-
* 1.598	37.56	MAv1	28.5	-25.4	.6	41.26	54	-12.74	-	-	333	137	V	-
* 4.873	35.61	PK2	34.2	-27.7	0	42.11	-	-	74	-31.89	87	107	H	-
* 4.873	29.21	MAv1	34.2	-27.7	.6	36.31	54	-17.69	-	-	87	107	H	-
* 3.726	36.51	PK2	34.7	-29.5	0	41.71	-	-	74	-32.29	65	337	V	-
* 3.726	31.1	MAv1	34.7	-29.5	.6	36.9	54	-17.1	-	-	65	337	V	-
* 4.266	37.04	PK2	33.7	-28.8	0	41.94	-	-	74	-32.06	102	201	V	-
* 4.266	32.46	MAv1	33.7	-28.8	.6	37.96	54	-16.04	-	-	102	201	V	-
16.842	26.86	PK	41.5	-15.8	0	52.56	-	-	-	-	0-360	200	V	1

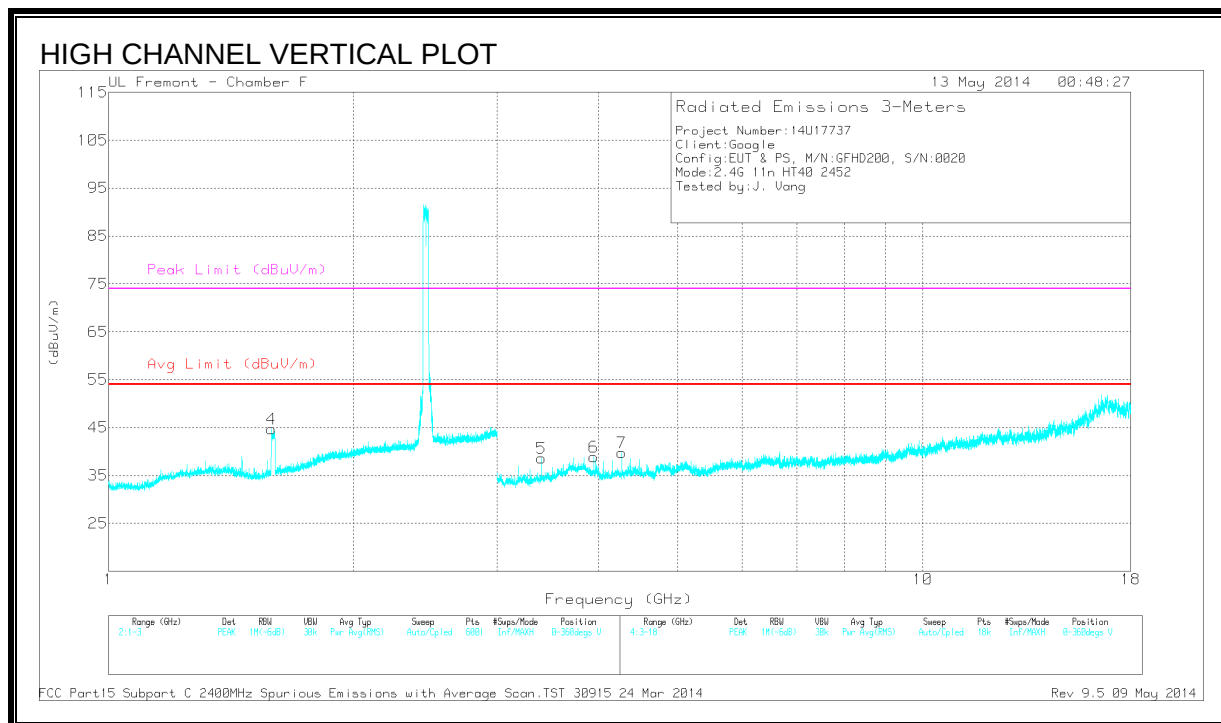
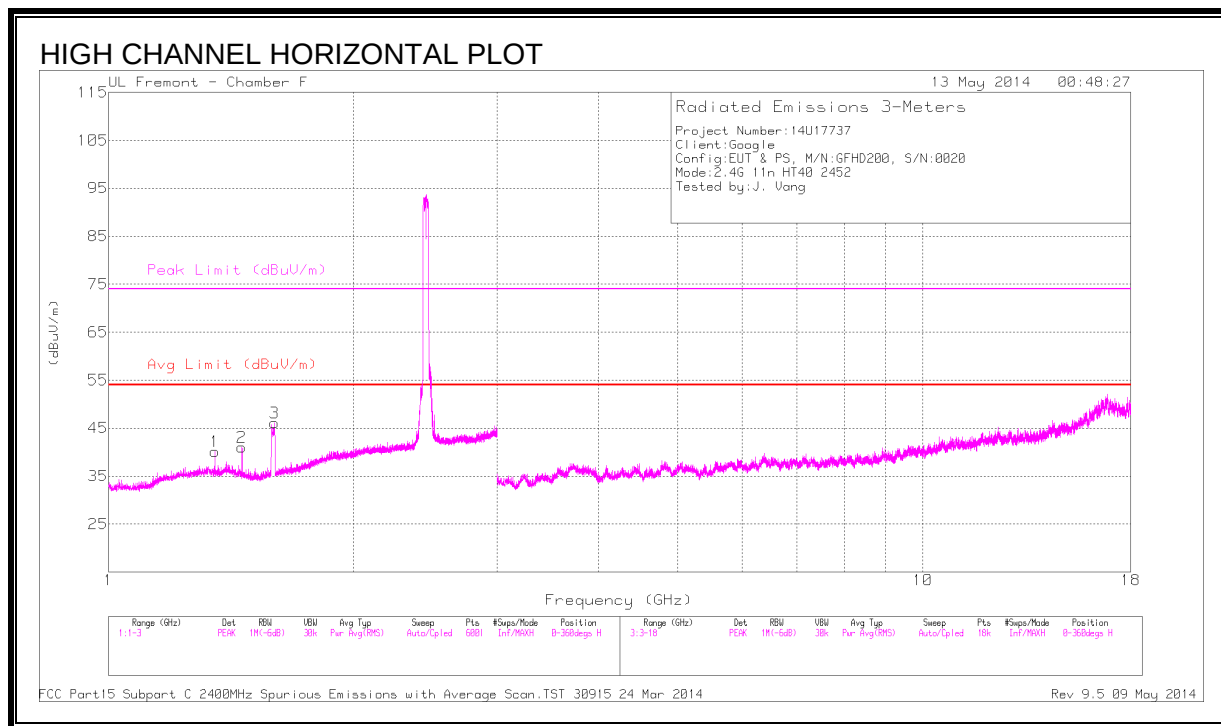
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.5.1. HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	Notes
* 1.35	40.4	PK2	29.6	-26.4	0	43.6	-	-	74	-30.4	338	238	H	-
* 1.35	35.73	MAv1	29.6	-26.4	.6	39.53	54	-14.47	-	-	338	238	H	-
* 1.458	41.32	PK2	28.7	-25.8	0	44.22	-	-	74	-29.78	346	396	H	-
* 1.458	37.12	MAv1	28.7	-25.8	.6	40.62	54	-13.38	-	-	346	396	H	-
* 1.593	50.08	PK2	28.5	-25.4	0	53.18	-	-	74	-20.82	82	283	H	-
* 1.598	39.33	MAv1	28.5	-25.4	.6	43.03	54	-10.97	-	-	82	283	H	-
* 1.593	45.7	PK2	28.5	-25.4	0	48.8	-	-	74	-25.2	352	136	V	-
* 1.596	35.81	MAv1	28.5	-25.4	.6	39.51	54	-14.49	-	-	352	136	V	-
* 3.942	37.04	PK2	33.9	-29	0	41.94	-	-	74	-32.06	86	197	V	-
* 3.942	32.04	MAv1	33.9	-29	.6	37.54	54	-16.46	-	-	86	197	V	-
* 4.266	37.87	PK2	33.7	-28.8	0	42.77	-	-	74	-31.23	99	200	V	-
* 4.266	33.34	MAv1	33.7	-28.8	.6	38.84	54	-15.16	-	-	99	200	V	-
3.402	33.98	PK	34	-29.4	0	38.58	-	-	-	-	0-360	200	V	1

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

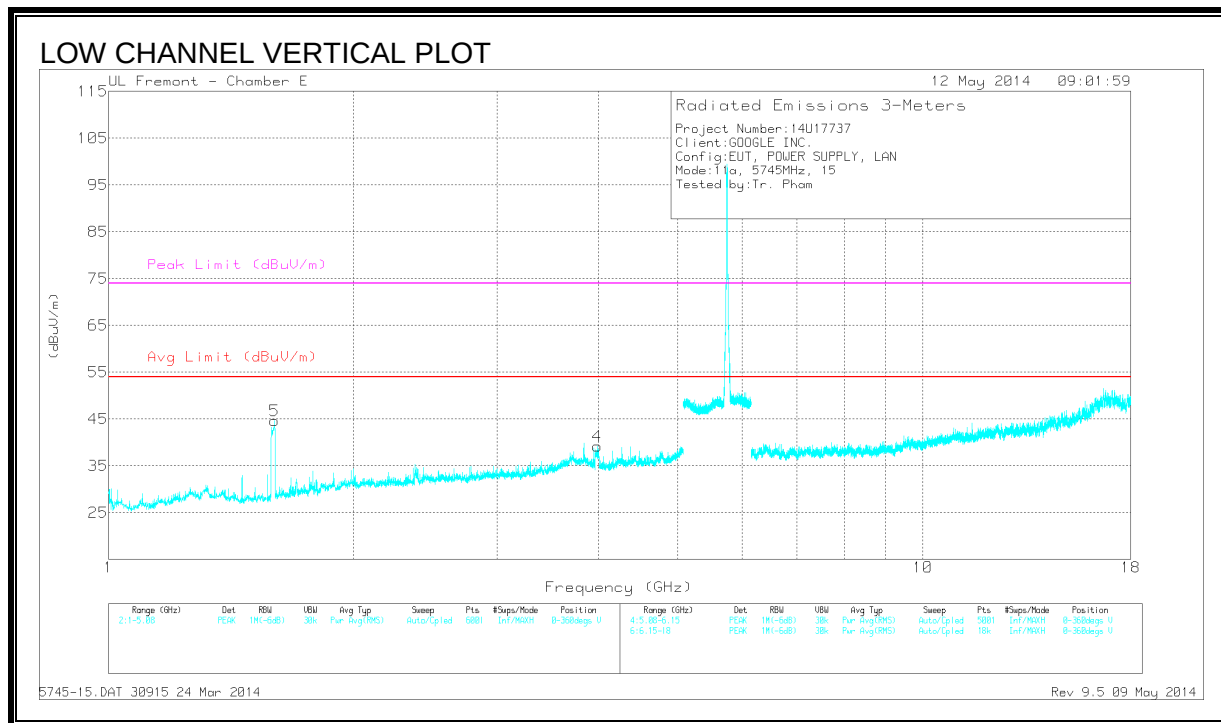
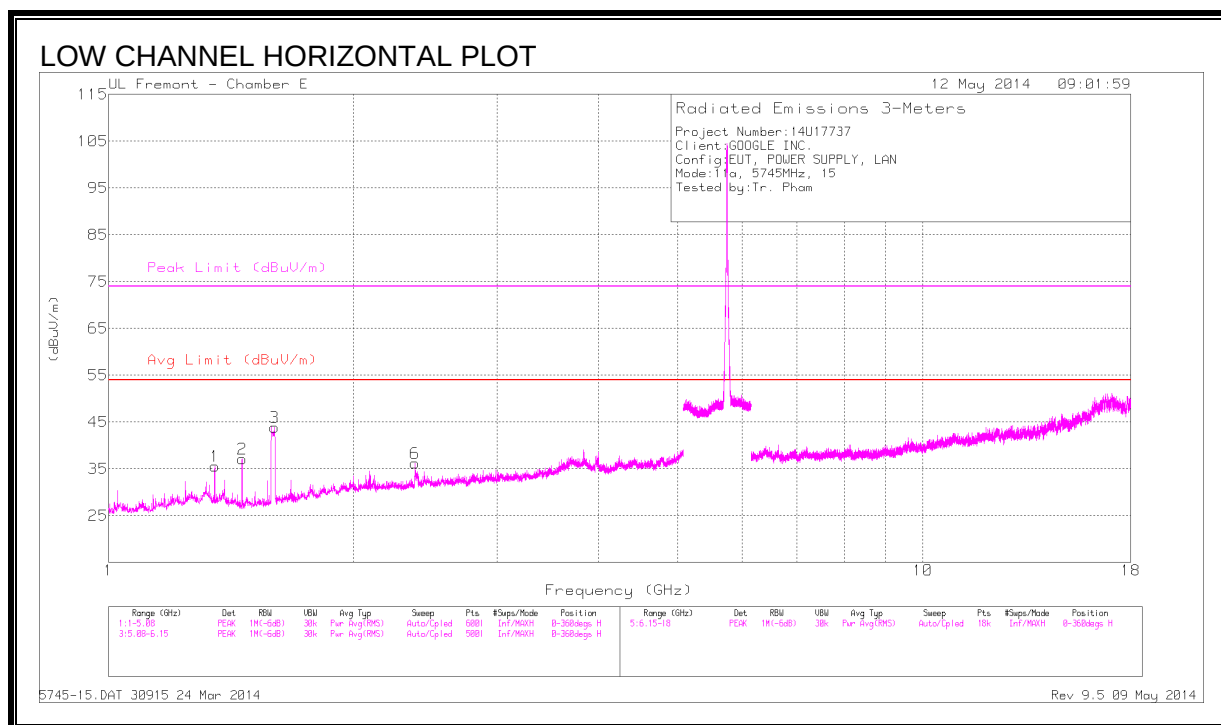
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.6. TX ABOVE 1 GHz 802.11a 2Tx CDD MODE IN THE 5.8 GHz BAND

9.6.1. LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

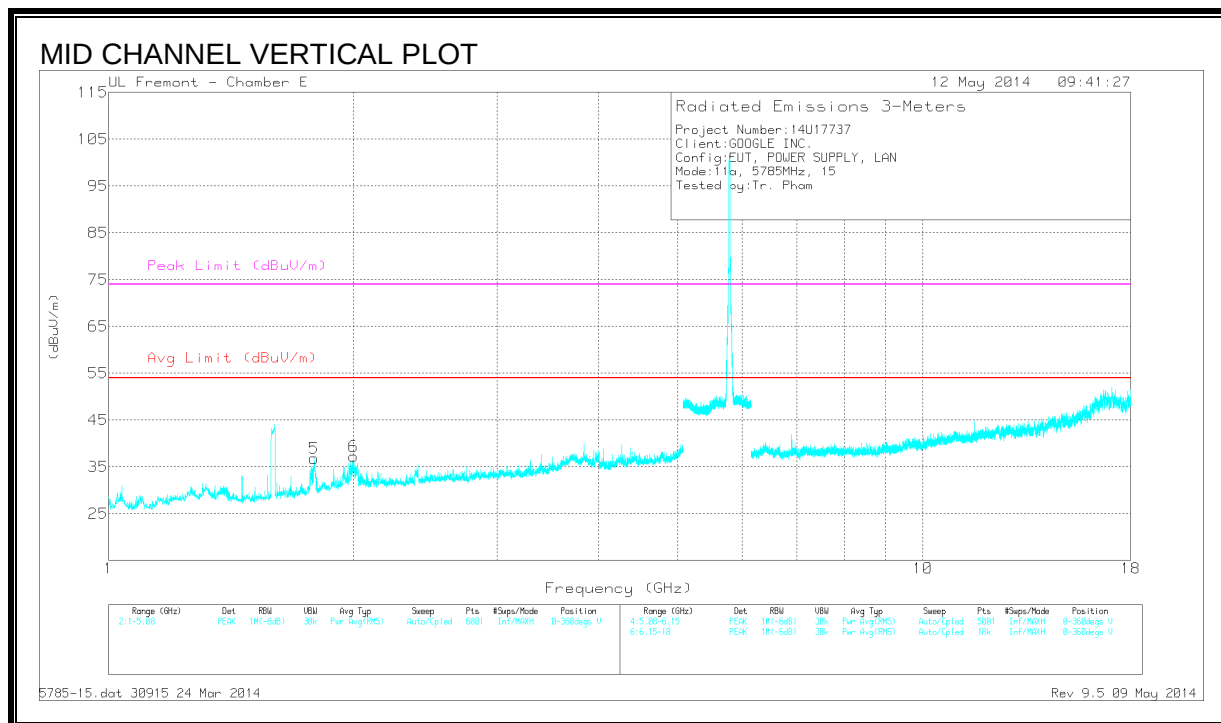
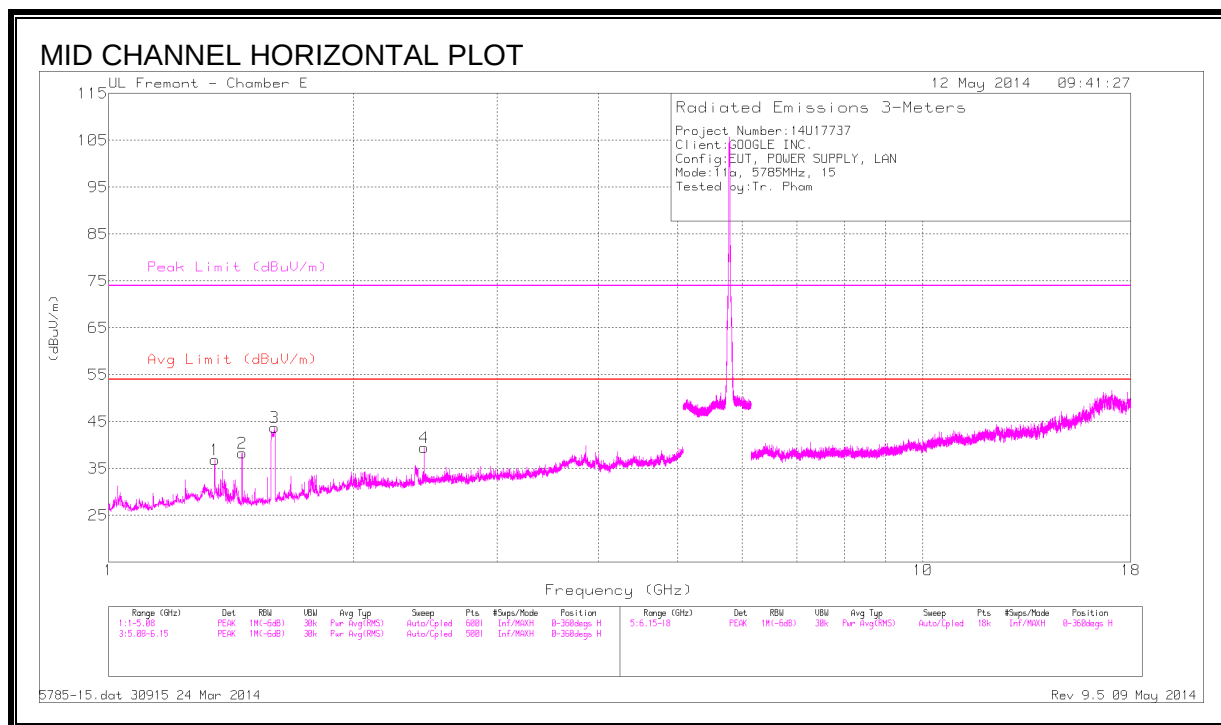
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.35	46.81	PK2	29.6	-31.7	44.71	-	-	74	-29.29	-	-	254	334	H
* 1.35	44.07	MAv1	29.6	-31.7	41.97	54	-12.03	-	-	-	-	254	334	H
* 1.458	48.1	PK2	28.7	-32.1	44.7	-	-	74	-29.3	-	-	262	292	H
* 1.458	45.75	MAv1	28.7	-32.1	42.35	54	-11.65	-	-	-	-	262	292	H
* 1.593	59.82	PK2	28.5	-31.6	56.72	-	-	74	-17.28	-	-	18	299	H
* 1.597	49.15	MAv1	28.5	-31.6	46.05	54	-7.95	-	-	-	-	18	299	H
* 2.384	43.76	PK2	32.1	-30.7	45.16	-	-	74	-28.84	-	-	294	281	H
* 2.377	34.53	MAv1	32.1	-30.9	35.73	54	-18.27	-	-	-	-	294	281	H
* 3.996	42.15	PK2	33.7	-29	46.85	-	-	74	-27.15	-	-	30	160	V
* 3.996	35.67	MAv1	33.7	-29	40.37	54	-13.63	-	-	-	-	30	160	V
* 1.592	56.33	PK2	28.5	-31.6	53.23	-	-	74	-20.77	-	-	136	106	V
* 1.599	45.58	MAv1	28.5	-31.6	42.48	54	-11.52	-	-	-	-	136	106	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.6.2. MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AFT120 (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	Notes
* 1.35	47.07	PK2	29.6	-31.7	44.97	-	-	74	-29.03	256	365	H	-
* 1.35	44.25	MAv1	29.6	-31.7	42.15	54	-11.85	-	-	256	365	H	-
* 1.458	48.54	PK2	28.7	-32.1	45.14	-	-	74	-28.86	269	304	H	-
* 1.458	46.26	MAv1	28.7	-32.1	42.86	54	-11.14	-	-	269	304	H	-
* 1.593	59.49	PK2	28.5	-31.6	56.39	-	-	74	-17.61	21	356	H	-
* 1.597	48.7	MAv1	28.5	-31.6	45.6	54	-8.4	-	-	21	356	H	-
1.787	37.91	PK	30.1	-31.2	36.81	-	-	-	-	0-360	101	V	1
1.999	36.76	PK	31.7	-31.2	37.26	-	-	-	-	0-360	201	V	1
2.441	37.97	PK	32.4	-30.9	39.47	-	-	-	-	0-360	200	H	1

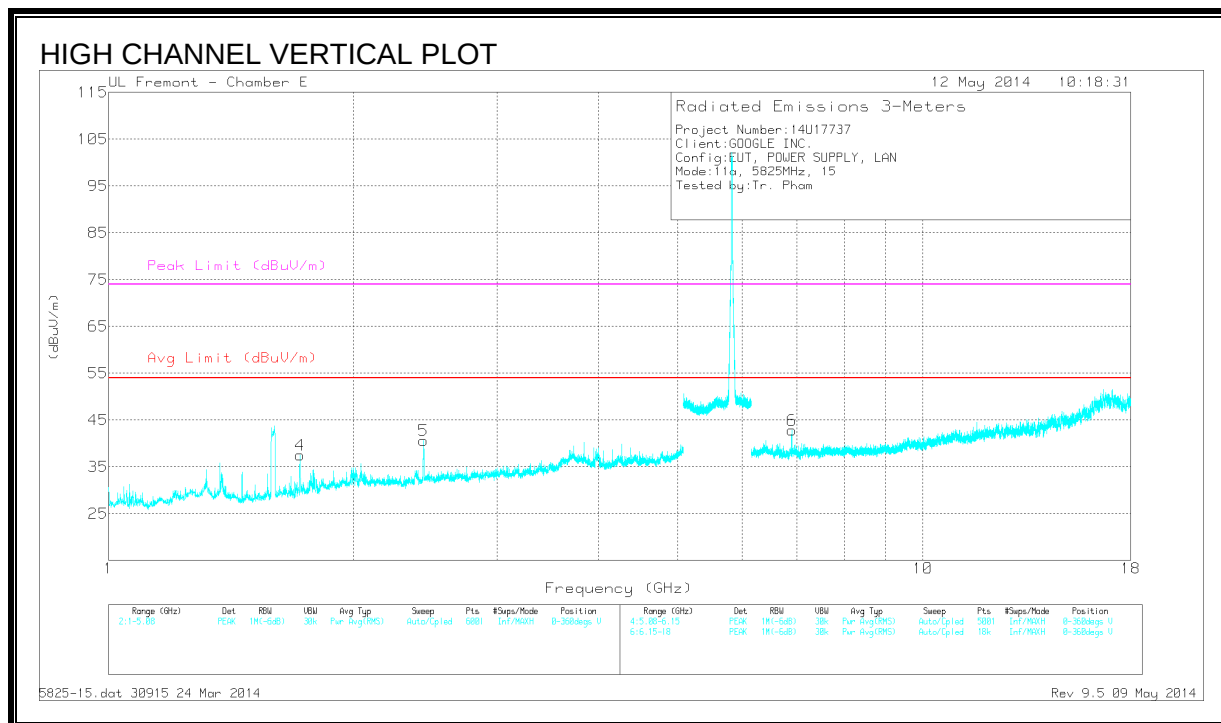
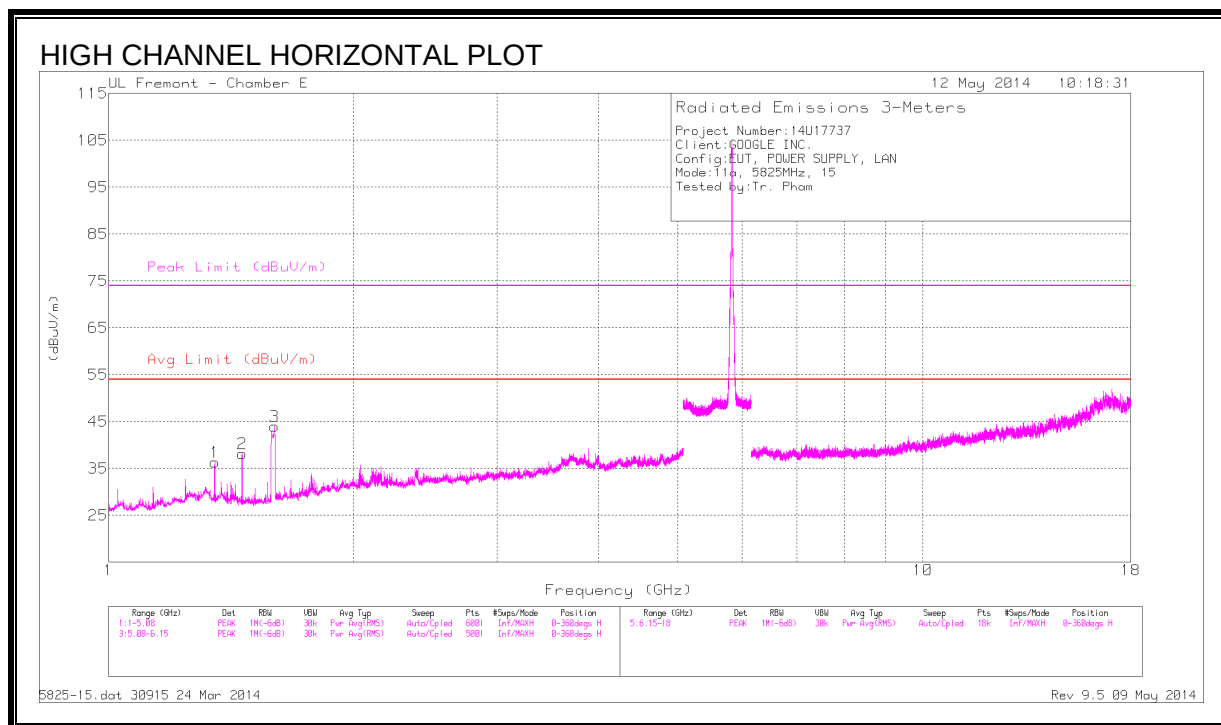
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.6.3. HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	Notes
* 1.35	47.36	PK2	29.6	-31.7	45.26	-	-	74	-28.74	262	324	H	-
* 1.35	44.71	MAv1	29.6	-31.7	42.61	54	-11.39	-	-	262	324	H	-
* 1.458	48.81	PK2	28.7	-32.1	45.41	-	-	74	-28.59	269	288	H	-
* 1.458	46.53	MAv1	28.7	-32.1	43.13	54	-10.87	-	-	269	288	H	-
* 1.591	60.13	PK2	28.5	-31.6	57.03	-	-	74	-16.97	16	309	H	-
* 1.589	49.16	MAv1	28.5	-31.6	46.06	54	-7.94	-	-	16	309	H	-
1.719	39.86	PK	29.4	-31.7	37.56	-	-	-	-	0-360	201	V	1
2.438	39.14	PK	32.4	-30.9	40.64	-	-	-	-	0-360	201	V	1
6.9	33.85	PK	35.5	-26.5	42.85	-	-	-	-	0-360	201	V	1

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

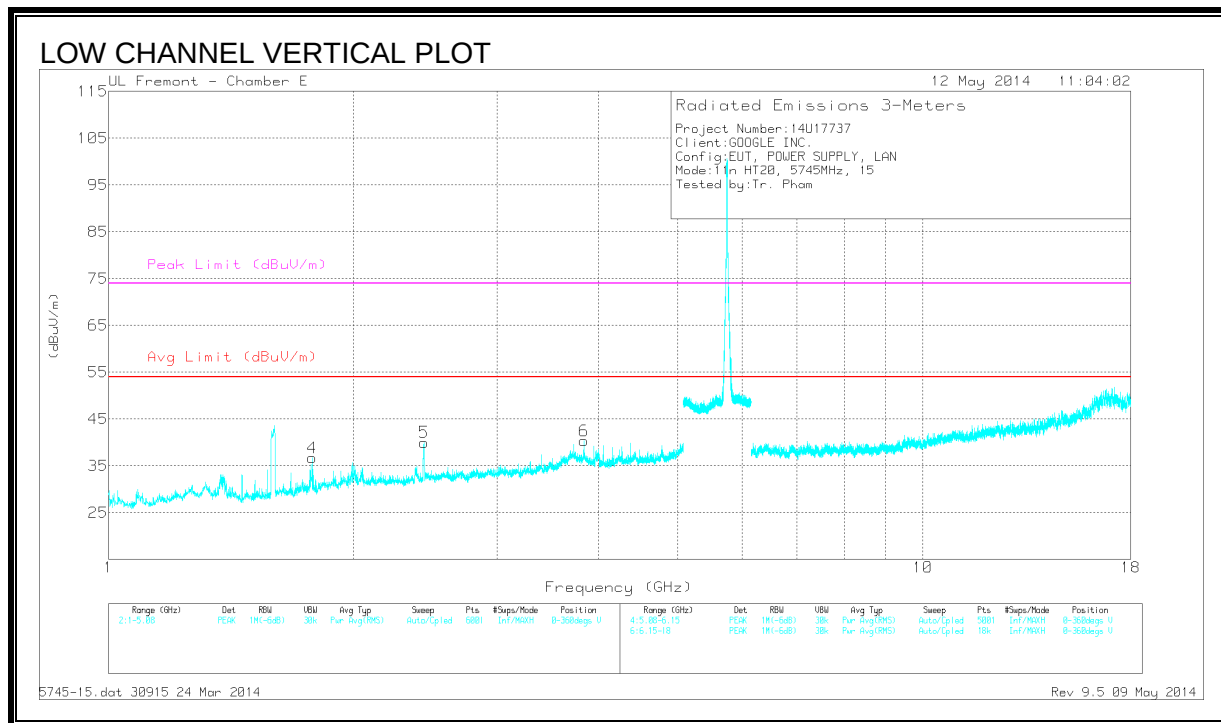
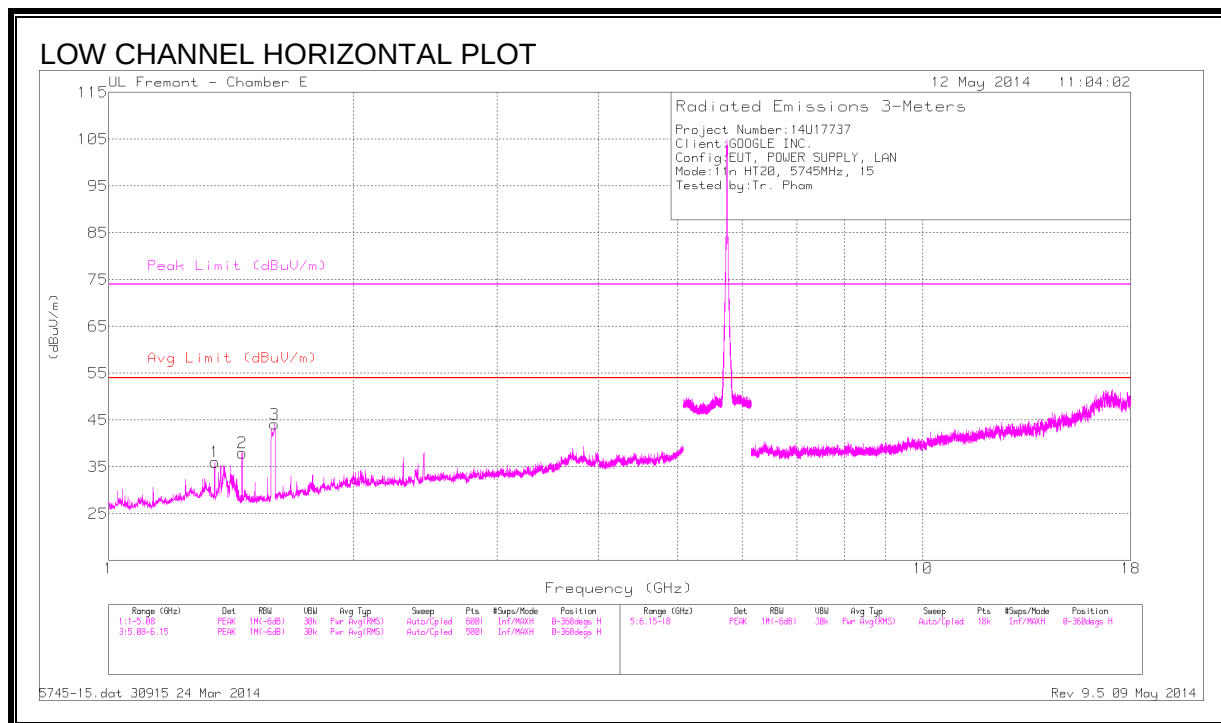
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.7. TX ABOVE 1 GHz 802.11n HT20 2Tx CDD MODE IN THE 5.8 GHz BAND

9.7.1. LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	Notes
* 1.35	47.48	PK2	29.6	-31.7	45.38	-	-	74	-28.62	266	230	H	-
* 1.35	44.86	MAv1	29.6	-31.7	42.76	54	-11.24	-	-	266	230	H	-
* 1.458	49.02	PK2	28.7	-32.1	45.62	-	-	74	-28.38	269	292	H	-
* 1.458	46.87	MAv1	28.7	-32.1	43.47	54	-10.53	-	-	269	292	H	-
* 1.593	59.31	PK2	28.5	-31.6	56.21	-	-	74	-17.79	18	300	H	-
* 1.597	48.7	MAv1	28.5	-31.6	45.6	54	-8.4	-	-	18	300	H	-
* 3.834	40.26	PK2	34.3	-29.2	45.36	-	-	74	-28.64	1	204	V	-
* 3.834	34.9	MAv1	34.3	-29.2	40	54	-14	-	-	1	204	V	-
1.779	37.92	PK	30	-31.2	36.72	-	-	-	-	0-360	101	V	1
2.439	38.55	PK	32.4	-30.9	40.05	-	-	-	-	0-360	201	V	1

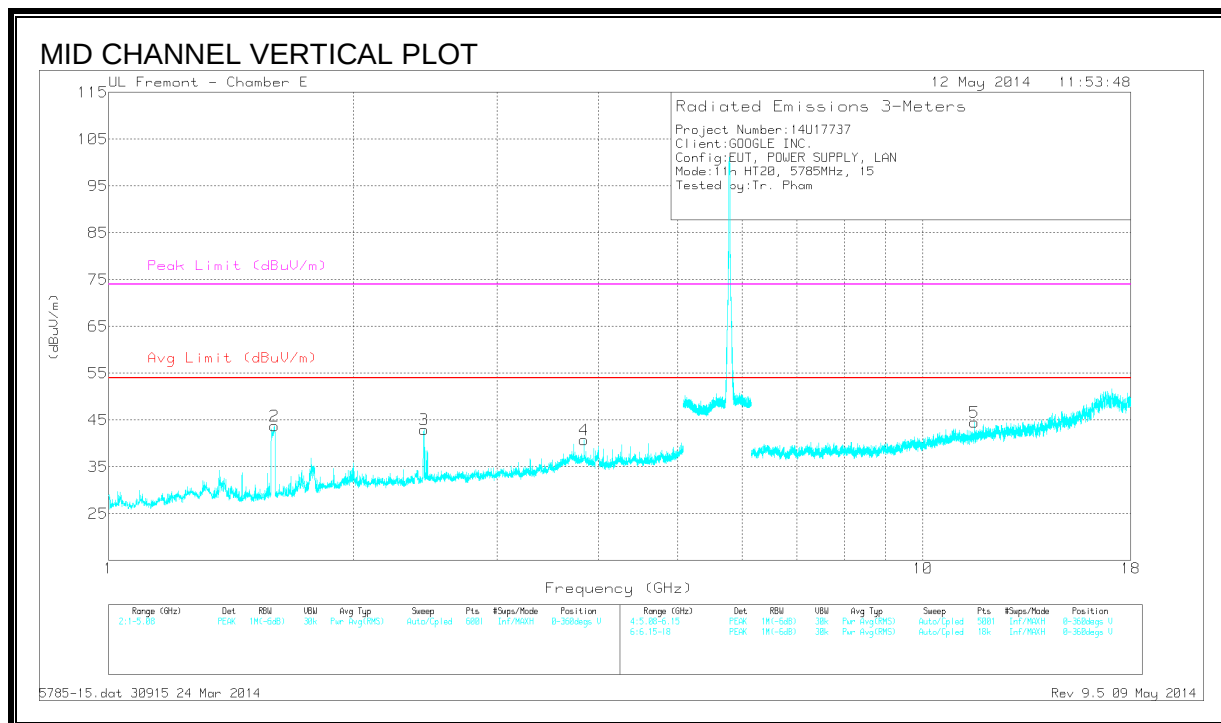
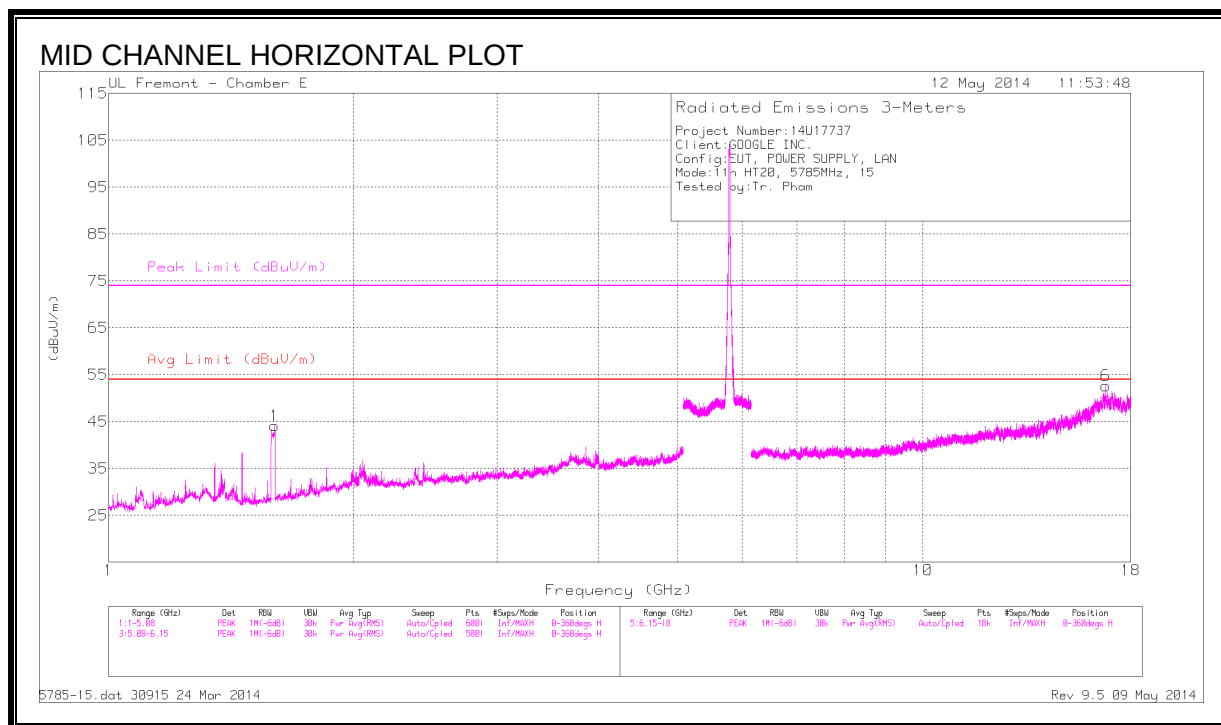
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.7.2. MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	Notes
* 1.591	60.32	PK2	28.5	-31.6	57.22	-	-	74	-16.78	14	310	H	-
* 1.588	49.54	MAv1	28.5	-31.5	46.54	54	-7.46	-	-	14	310	H	-
* 1.593	59.34	PK2	28.5	-31.6	56.24	-	-	74	-17.76	38	394	V	-
* 1.597	48.92	MAv1	28.5	-31.6	45.82	54	-8.18	-	-	38	394	V	-
* 3.834	39.9	PK2	34.3	-29.2	45	-	-	74	-29	2	174	V	-
* 3.834	34.18	MAv1	34.3	-29.2	39.28	54	-14.72	-	-	2	174	V	-
* 11.574	34.99	PK2	38.5	-23.1	50.39	-	-	74	-23.61	280	201	V	-
* 11.574	28.53	MAv1	38.5	-23.1	43.93	54	-10.07	-	-	280	201	V	-
2.439	41.48	PK	32.4	-30.9	42.98	-	-	-	-	0-360	101	V	1
16.76	27.95	PK	41.4	-16.7	52.65	-	-	-	-	0-360	101	H	1

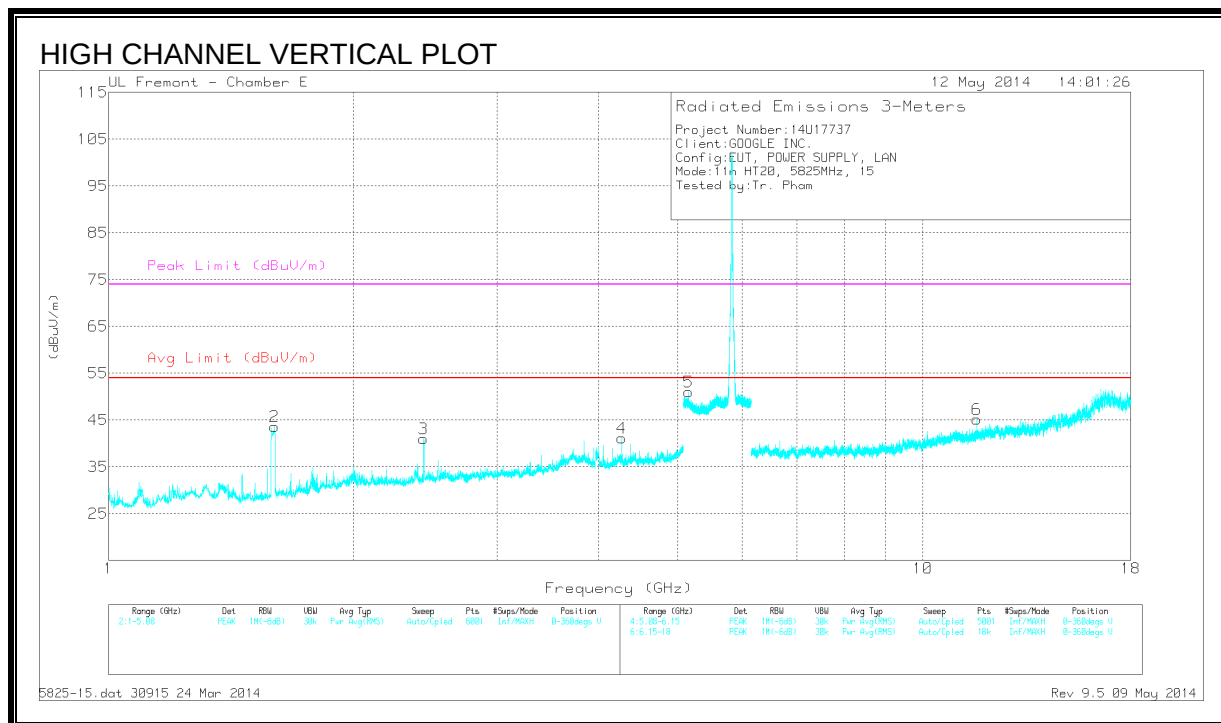
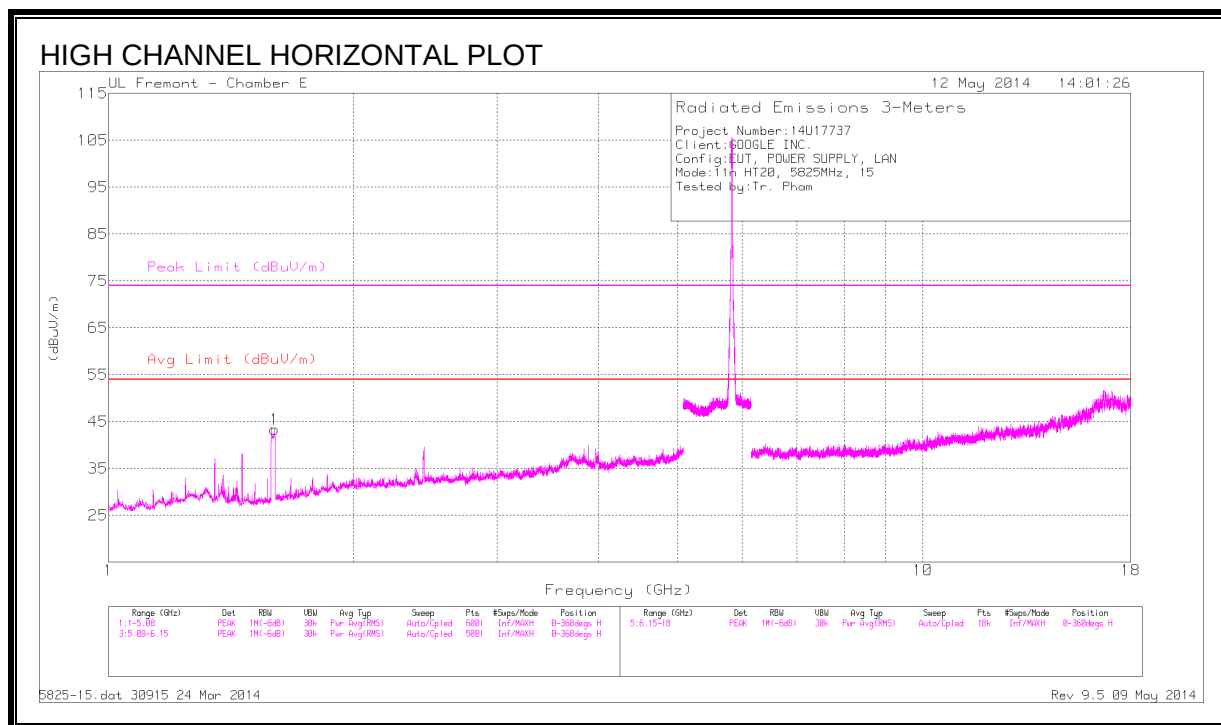
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.7.3. HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	Notes
* 1.592	60.09	PK2	28.5	-31.6	56.99	-	-	74	-17.01	17	311	H	-
* 1.597	49.19	MAv1	28.5	-31.6	46.09	54	-7.91	-	-	17	311	H	-
* 1.593	56.88	PK2	28.5	-31.6	53.78	-	-	74	-20.22	289	102	V	-
* 1.598	45.85	MAv1	28.5	-31.6	42.75	54	-11.25	-	-	289	102	V	-
* 4.266	38.79	PK2	33.7	-27.7	44.79	-	-	74	-29.21	35	322	V	-
* 4.266	33.13	MAv1	33.7	-27.7	39.13	54	-14.87	-	-	35	322	V	-
* 11.648	34.19	PK2	38.6	-23.6	49.19	-	-	74	-24.81	79	202	V	-
* 11.648	27.78	MAv1	38.6	-23.6	42.78	54	-11.22	-	-	79	202	V	-
2.438	39.53	PK	32.4	-30.9	41.03	-	-	-	-	0-360	201	V	1
5.159	35.85	PK	34.4	-19.2	51.05	-	-	-	-	0-360	101	V	1

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

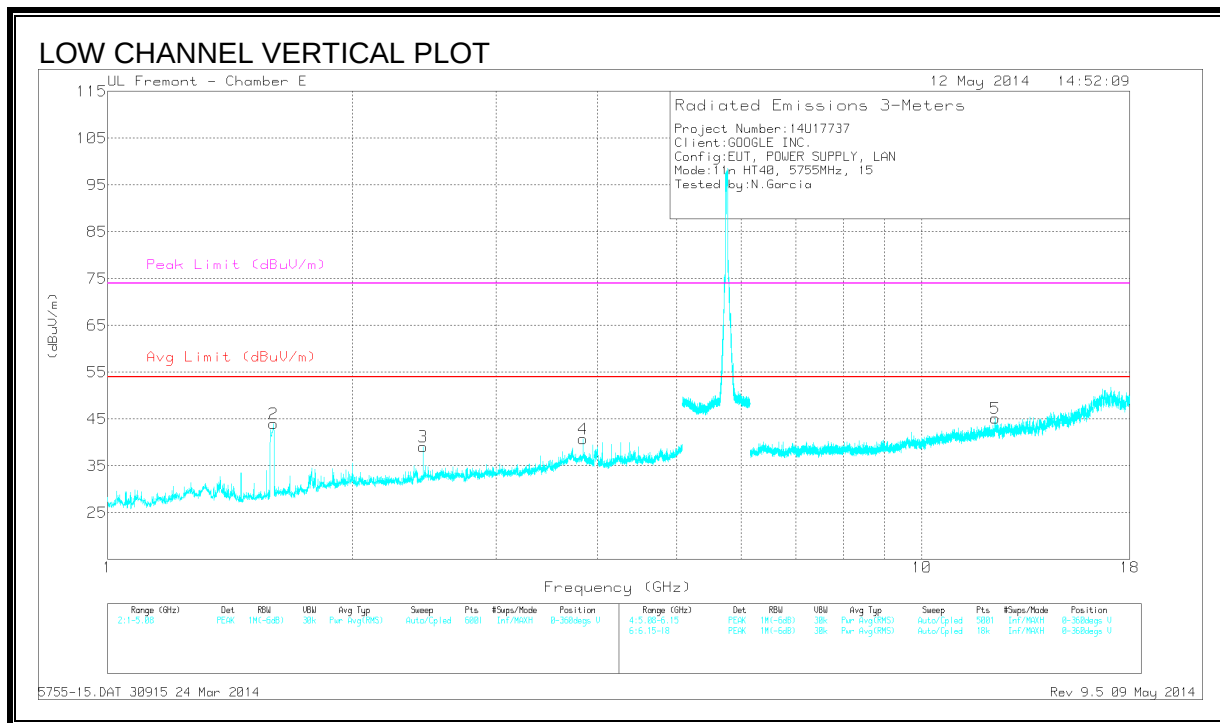
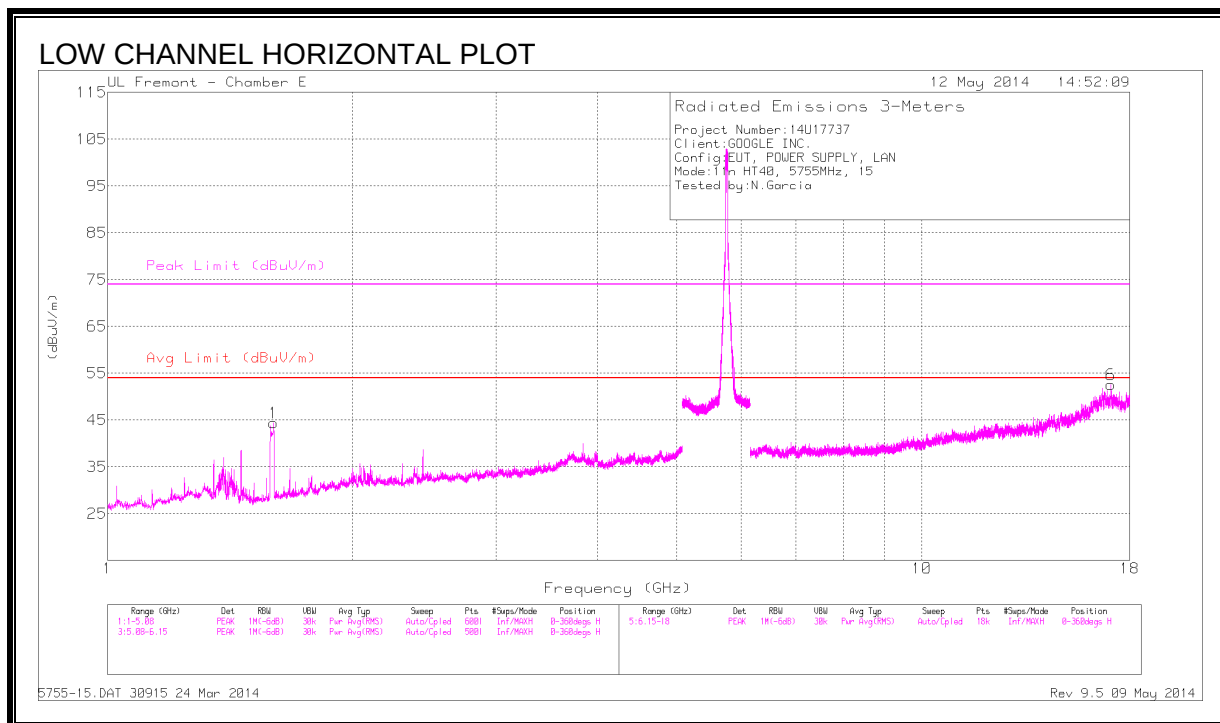
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.8. TX ABOVE 1 GHz 802.11n HT40 2Tx CDD MODE IN THE 5.8 GHz BAND

9.8.1. LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	Notes
* 1.593	59.53	PK2	28.5	-31.6	56.43	-	-	74	-17.57	15	314	H	-
* 1.597	48.68	MAv1	28.5	-31.6	45.58	54	-8.42	-	-	15	314	H	-
* 1.592	56.9	PK2	28.5	-31.6	53.8	-	-	74	-20.2	289	102	V	-
* 1.595	45.98	MAv1	28.5	-31.6	42.88	54	-11.12	-	-	289	102	V	-
* 3.834	40.06	PK2	34.3	-29.2	45.16	-	-	74	-28.84	0	270	V	-
* 3.834	34.74	MAv1	34.3	-29.2	39.84	54	-14.16	-	-	0	270	V	-
* 12.31	32.12	PK2	38.9	-22.3	48.72	-	-	74	-25.28	91	395	V	-
* 12.31	25.53	MAv1	38.9	-22.3	42.13	54	-11.87	-	-	91	395	V	-
2.44	37.64	PK	32.4	-30.9	39.14	-	-	-	-	0-360	101	V	1
17.059	27.87	PK	41.2	-16.5	52.57	-	-	-	-	0-360	101	H	1

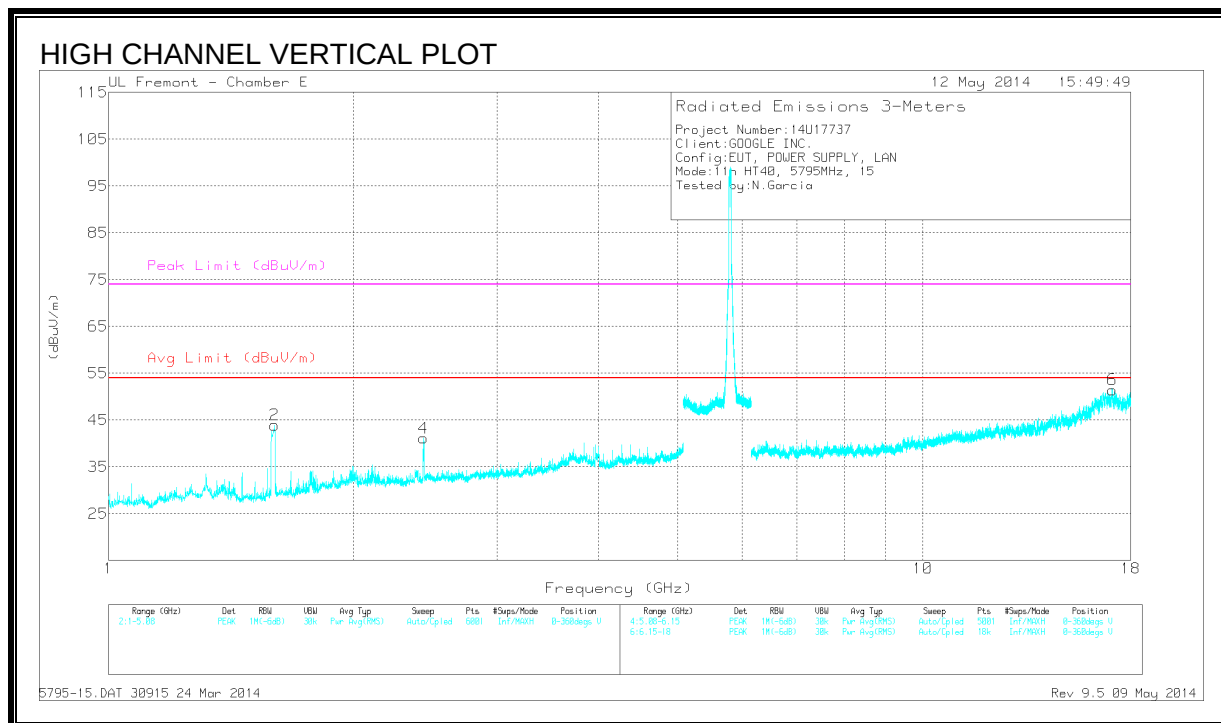
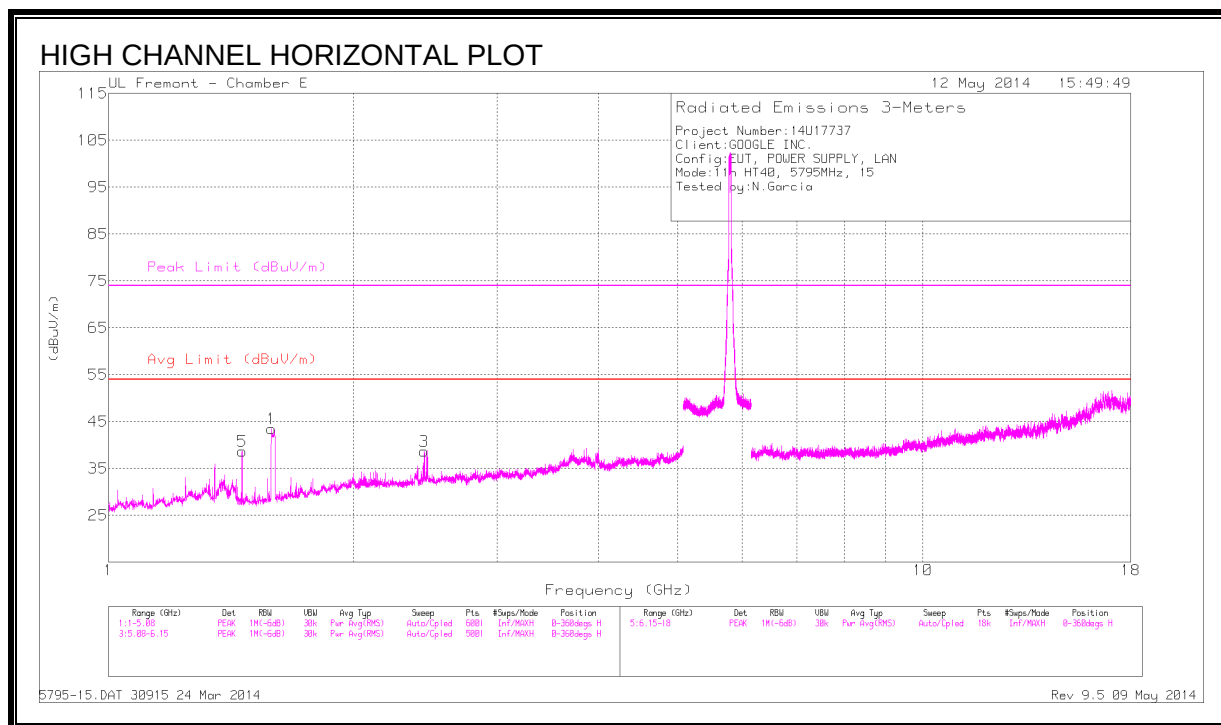
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.8.2. HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	Notes
* 1.593	59.4	PK2	28.5	-31.6	56.3	-	-	74	-17.7	16	300	H	-
* 1.598	48.79	MAv1	28.5	-31.6	45.69	54	-8.31	-	-	16	300	H	-
* 1.458	48.31	PK2	28.7	-32.1	44.91	-	-	74	-29.09	267	306	H	-
* 1.458	45.95	MAv1	28.7	-32.1	42.55	54	-11.45	-	-	267	306	H	-
* 1.593	55.69	PK2	28.5	-31.6	52.59	-	-	74	-21.41	303	102	V	-
* 1.598	44.9	MAv1	28.5	-31.6	41.8	54	-12.2	-	-	303	102	V	-
2.438	39.64	PK	32.4	-30.9	41.14	-	-	-	-	0-360	101	V	1
2.442	37.24	PK	32.4	-30.9	38.74	-	-	-	-	0-360	199	H	1
17.078	26.68	PK	41.2	-16.4	51.48	-	-	-	-	0-360	201	V	1

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

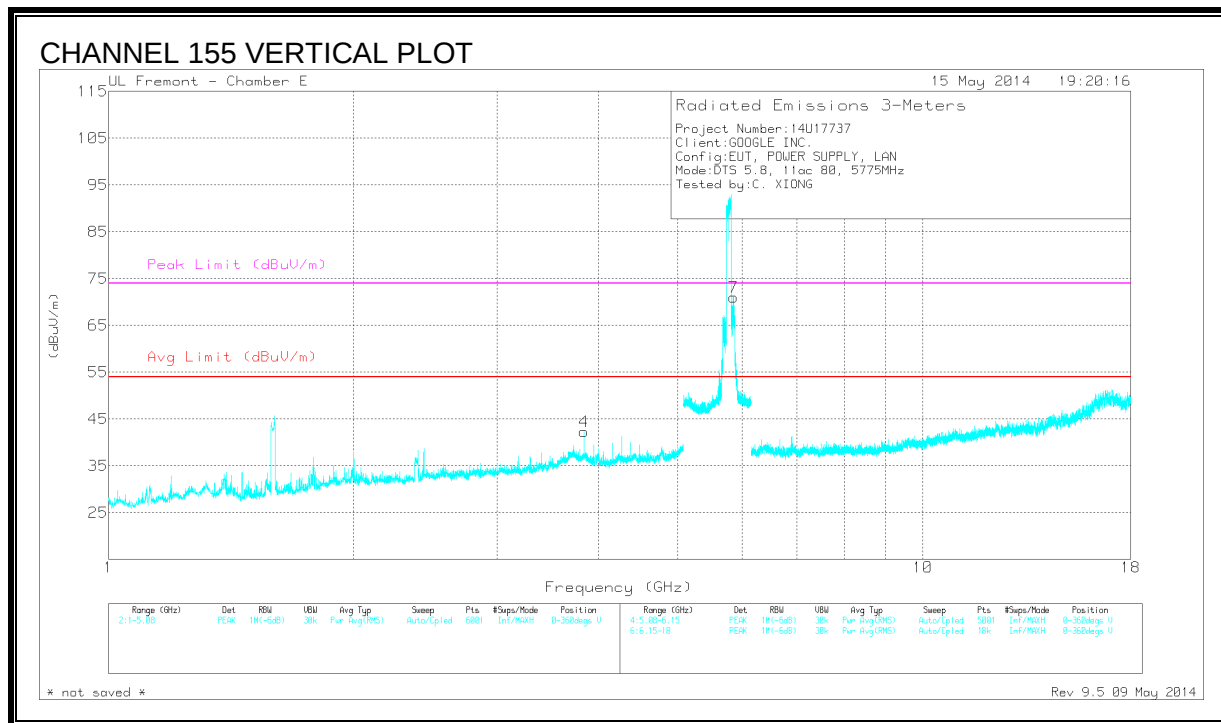
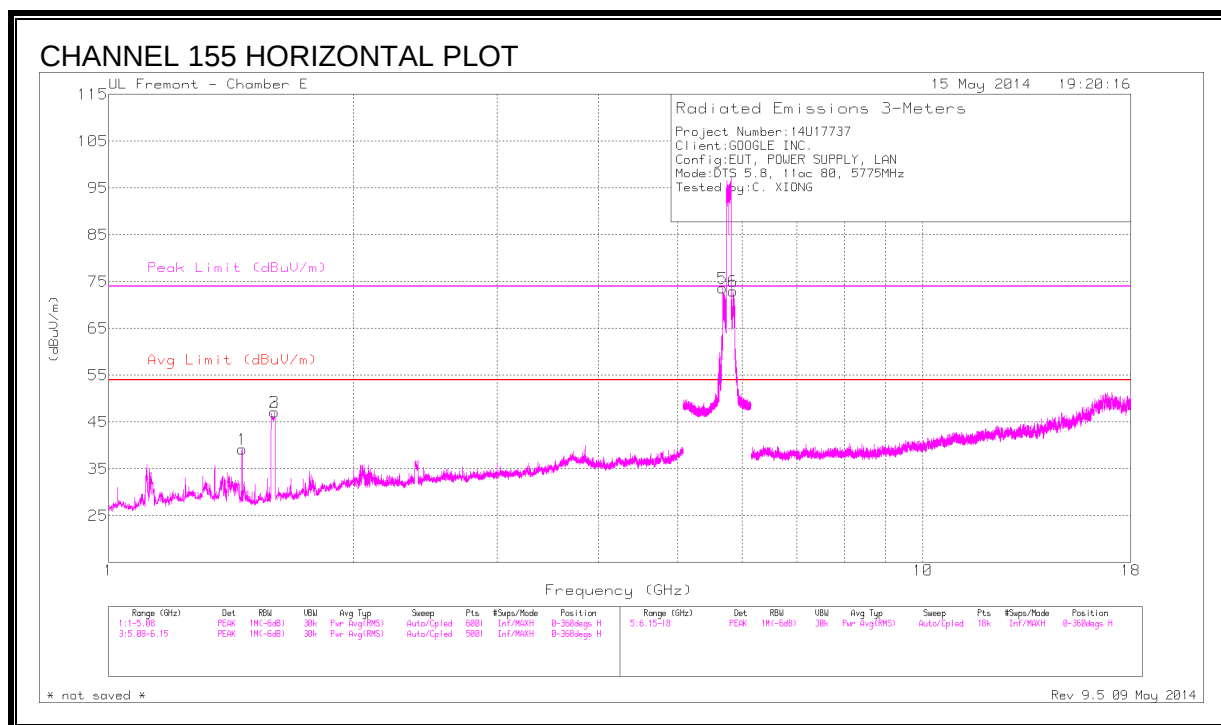
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.9. TX ABOVE 1 GHz 802.11ac 80Mhz 2Tx CDD MODE IN THE 5.8 GHz BAND

9.9.1. HARMONICS AND SPURIOUS EMISSIONS



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	Notes
* 1.458	48.98	PK2	28.7	-32.1	45.58	-	-	74	-28.42	336	291	H	-
* 1.458	43.38	MAv1	28.7	-32.1	39.98	54	-14.02	-	-	336	291	H	-
* 1.6	59	PK2	28.5	-31.7	55.8	-	-	74	-18.2	82	288	H	-
* 1.6	46.11	MAv1	28.5	-31.6	43.01	54	-10.99	-	-	82	288	H	-
* 1.6	47.21	PK2	28.5	-31.7	44.01	-	-	74	-29.99	47	254	V	-
* 1.6	35.58	MAv1	28.5	-31.7	32.38	54	-21.62	-	-	47	254	V	-
* 3.834	41.61	PK2	34.3	-29.2	46.71	-	-	74	-27.29	72	204	V	-
* 3.834	33.21	MAv1	34.3	-29.2	38.31	54	-15.69	-	-	72	204	V	-
5.678	58.16	PK	34.7	-19.2	73.66	-	-	-	-	0-360	101	H	1
5.844	56.89	PK	35	-18.9	72.99	-	-	-	-	0-360	101	V	1
5.851	55.01	PK	35	-19	71.01	-	-	-	-	0-360	201	H	1

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

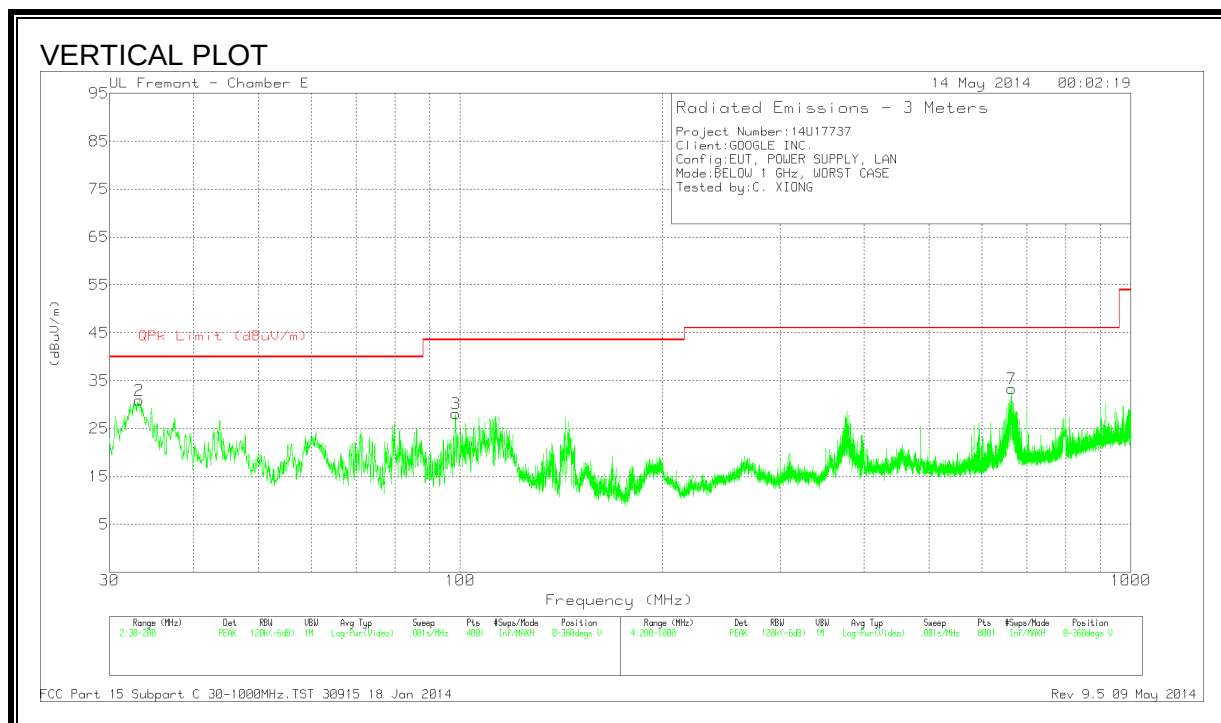
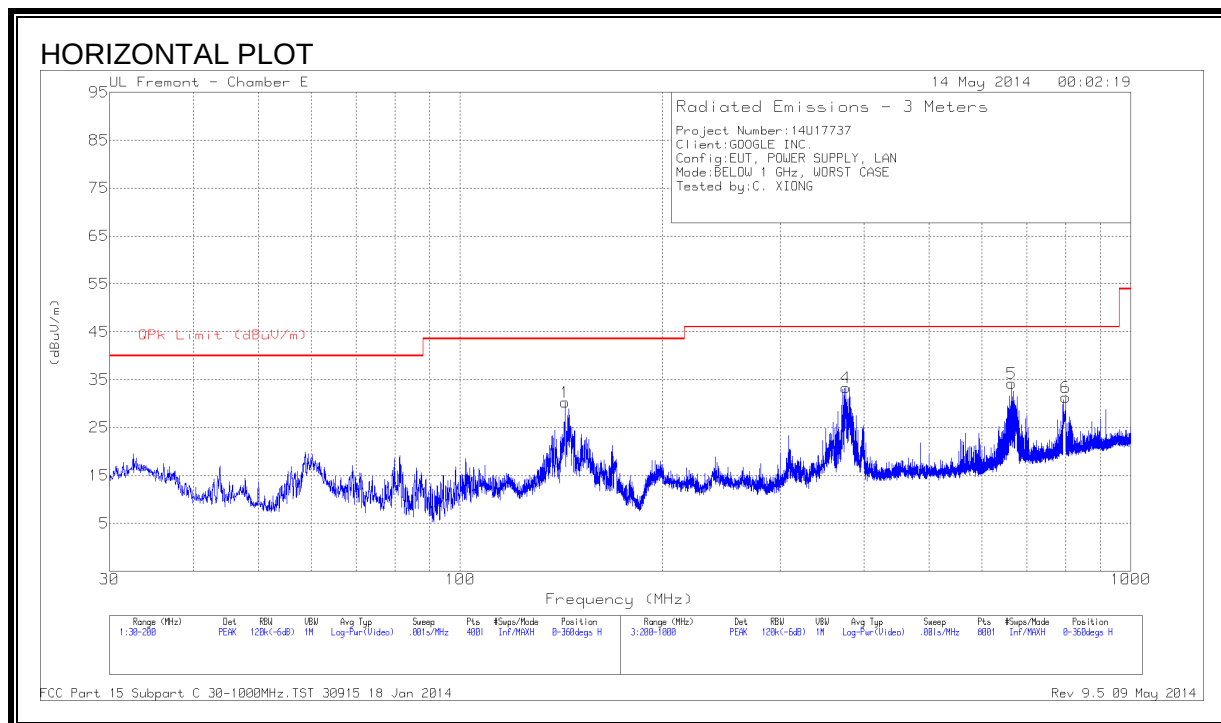
1 - Indicates frequency compliance for Non-Restricted emission with a margin of -20 / -30 dBc.

9.10. TX ABOVE 18 GHz

Note: Emissions were scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

9.11. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



HORIZONTAL & VERTICAL DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Hybrid	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	33.23	43.66	PK	19.1	-31.8	30.96	40	-9.04	0-360	100	V
3	98.425	49.72	PK	9.7	-31.3	28.12	43.52	-15.4	0-360	100	V
1	143.305	48.54	PK	12.8	-31.1	30.24	43.52	-13.28	0-360	201	H
4	375.9	48.46	PK	14.9	-30	33.36	46.02	-12.66	0-360	100	H
7	663.6	42.88	PK	19.6	-29.1	33.38	46.02	-12.64	0-360	100	V
5	664	43.72	PK	19.6	-29.1	34.22	46.02	-11.8	0-360	200	H
6	800	38.86	PK	21.2	-28.7	31.36	46.02	-14.66	0-360	100	H

PK - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

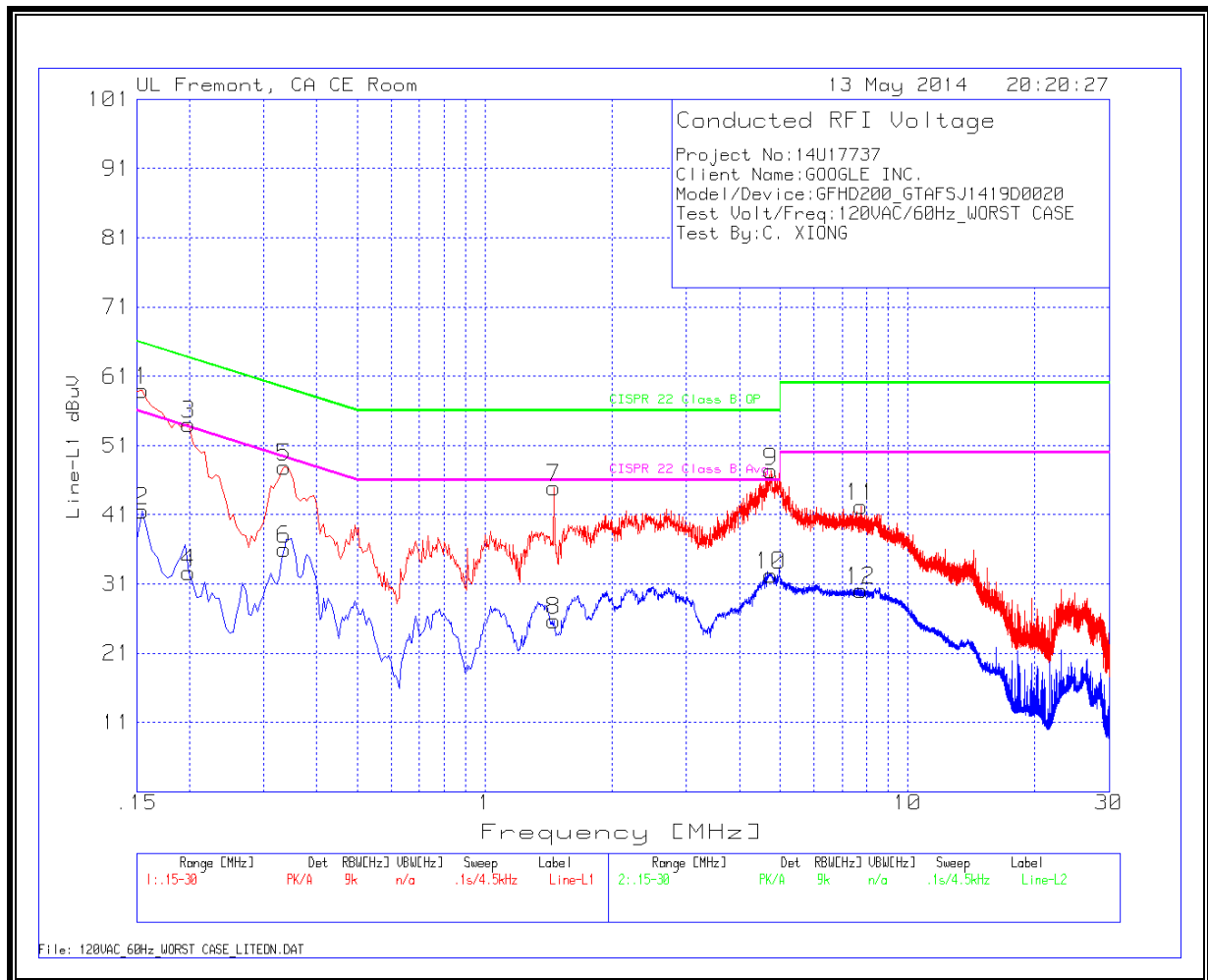
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

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

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

RESULTS

LINE 1 RESULTS



WORST EMISSIONS

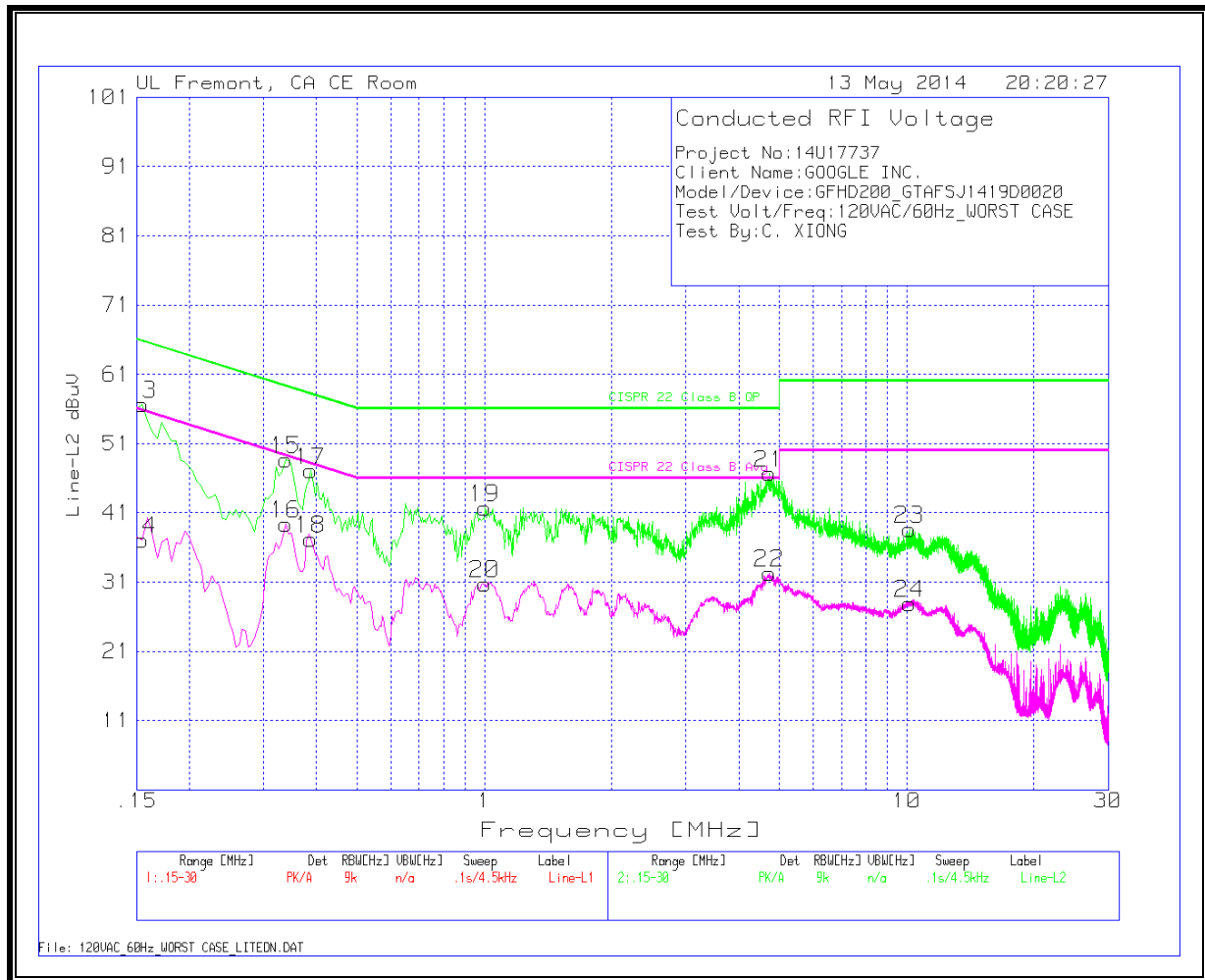
Line-L1 .15 - 30MHz

Trace Markers										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1 (dB)	LC Cables 1&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
1	.1545	57.71	PK	1.3	0	59.01	65.8	-6.79	-	-
2	.1545	40.26	Av	1.3	0	41.56	-	-	55.8	-14.24
3	.1995	53.13	PK	.9	0	54.03	63.6	-9.57	-	-
4	.1995	31.78	Av	.9	0	32.68	-	-	53.6	-20.92
5	.3345	47.42	PK	.5	0	47.92	59.3	-11.38	-	-
6	.3345	35.49	Av	.5	0	35.99	-	-	49.3	-13.31
7	1.455	44.56	PK	.2	.1	44.86	56	-11.14	-	-
8	1.455	25.46	Av	.2	.1	25.76	-	-	46	-20.24
9	4.7625	47	PK	.2	.1	47.3	56	-8.7	-	-
10	4.7625	31.94	Av	.2	.1	32.24	-	-	46	-13.76
11	7.7505	41.93	PK	.2	.1	42.23	60	-17.77	-	-
12	7.7505	29.78	Av	.2	.1	30.08	-	-	50	-19.92

PK - Peak detector

Av - average detection

LINE 2 RESULTS



WORST EMISSIONS

Line-L2 .15 - 30MHz

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	T24 IL L2 (dB)	LC Cables 2&3 (dB)	Corrected Reading dBUV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
13	.1545	55.27	PK	1.4	0	56.67	65.8	-9.13	-	-
14	.1545	35.66	Av	1.4	0	37.06	-	-	55.8	-18.74
15	.339	48.21	PK	.5	0	48.71	59.2	-10.49	-	-
16	.339	38.82	Av	.5	0	39.32	-	-	49.2	-9.88
17	.3885	46.55	PK	.5	0	47.05	58.1	-11.05	-	-
18	.3885	36.68	Av	.5	0	37.18	-	-	48.1	-10.92
19	1.0005	41.36	PK	.3	0	41.66	56	-14.34	-	-
20	1.0005	30.46	Av	.3	0	30.76	-	-	46	-15.24
21	4.722	46.36	PK	.2	.1	46.66	56	-9.34	-	-
22	4.722	31.99	Av	.2	.1	32.29	-	-	46	-13.71
23	10.158	38.22	PK	.2	.2	38.62	60	-21.38	-	-
24	10.158	27.45	Av	.2	.2	27.85	-	-	50	-22.15

PK - Peak detector

Av - average detection