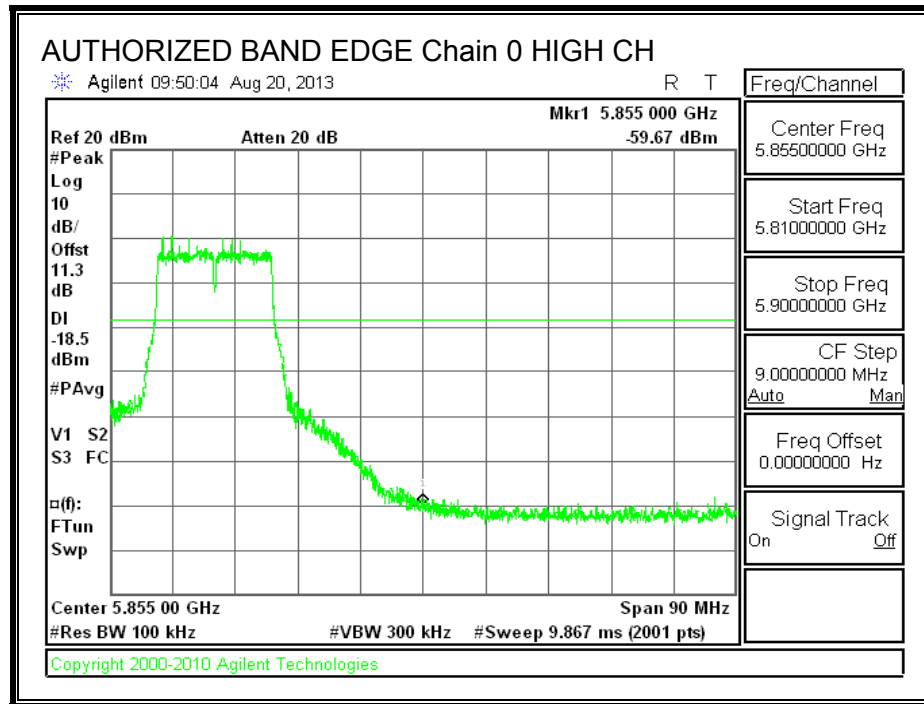
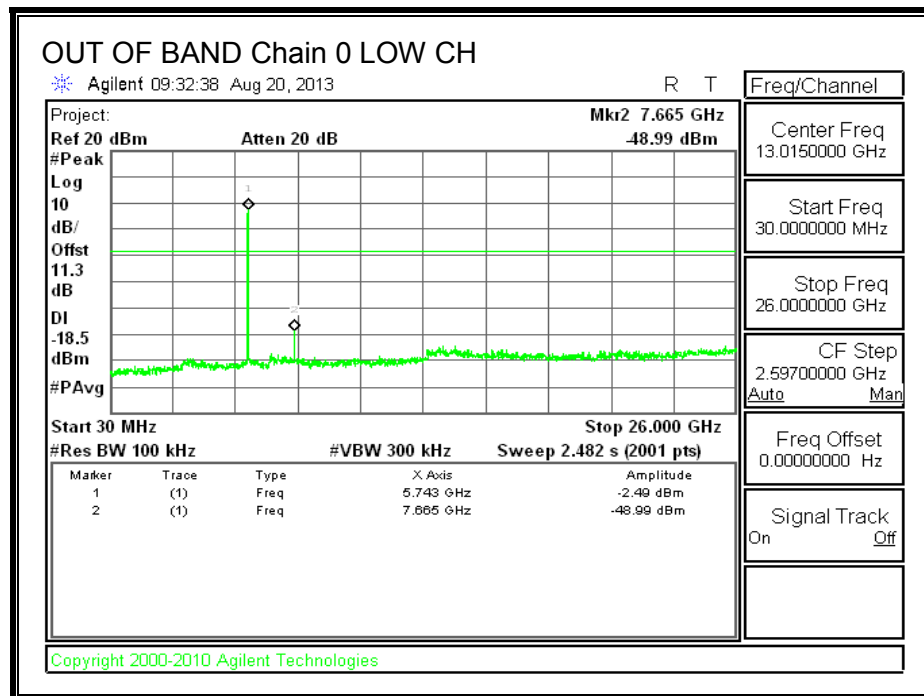
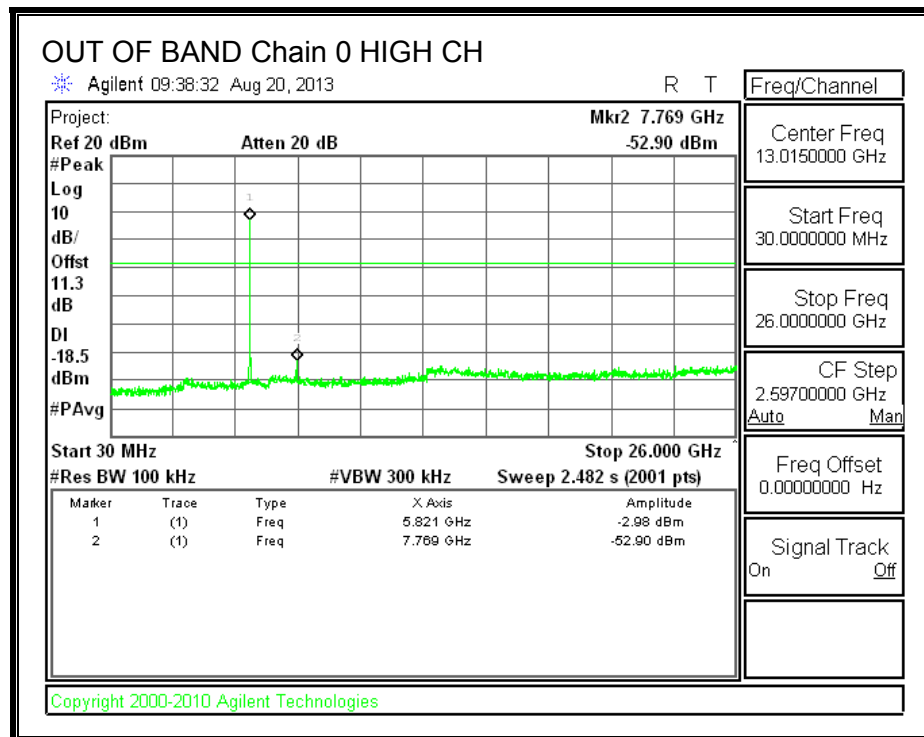
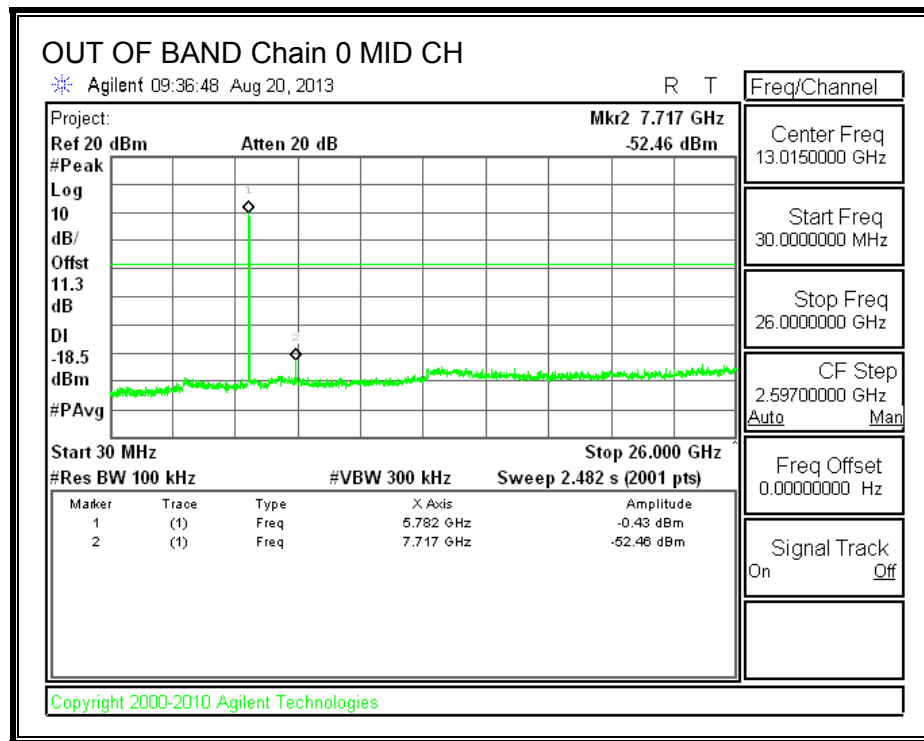


HIGH CHANNEL BANDEDGE, Chain 0

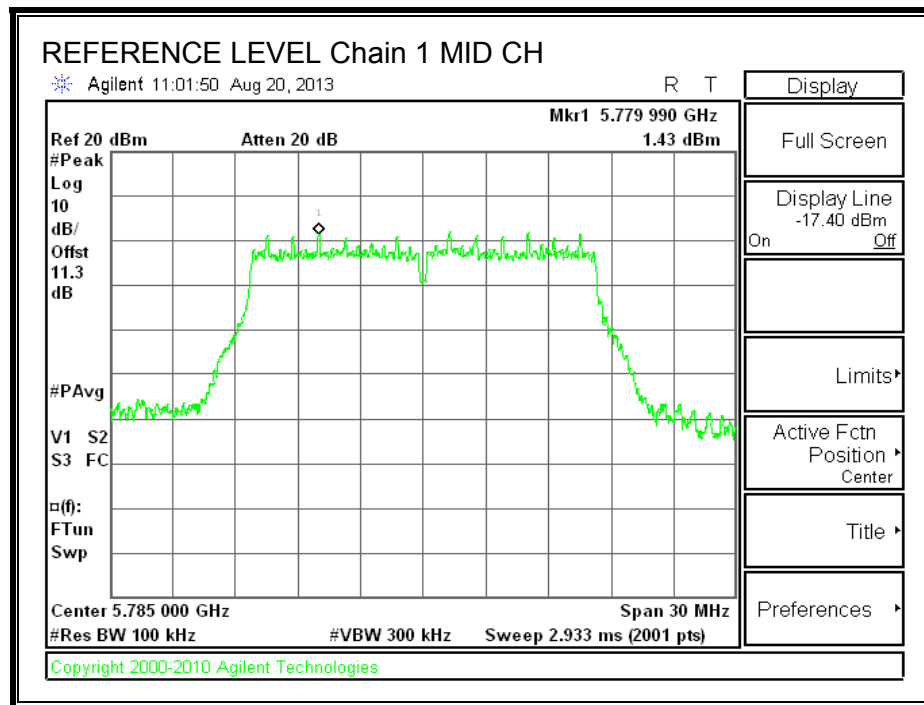


OUT-OF-BAND EMISSIONS, Chain 0

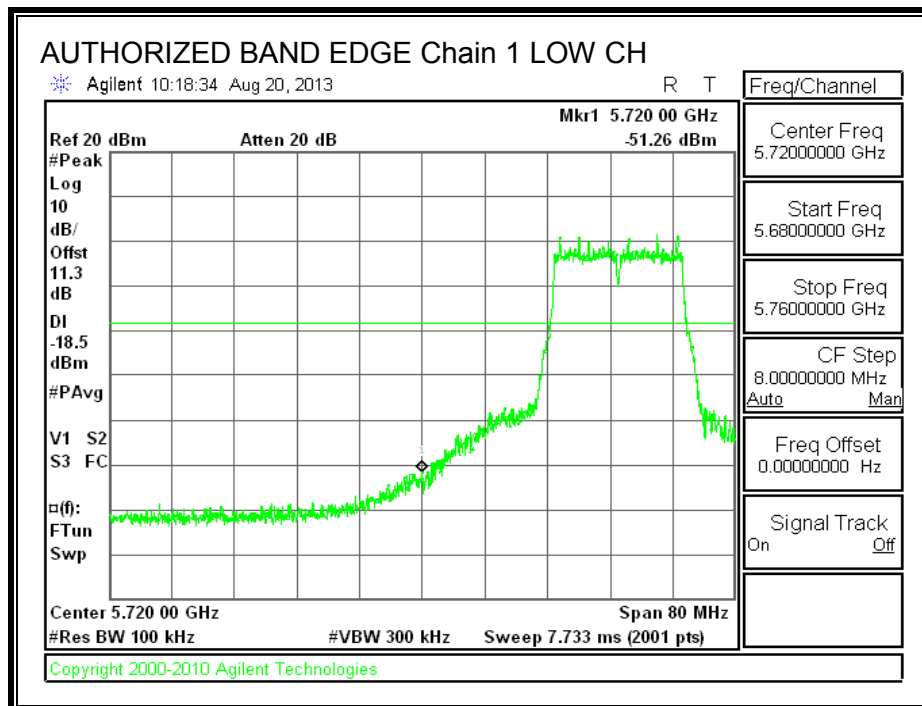




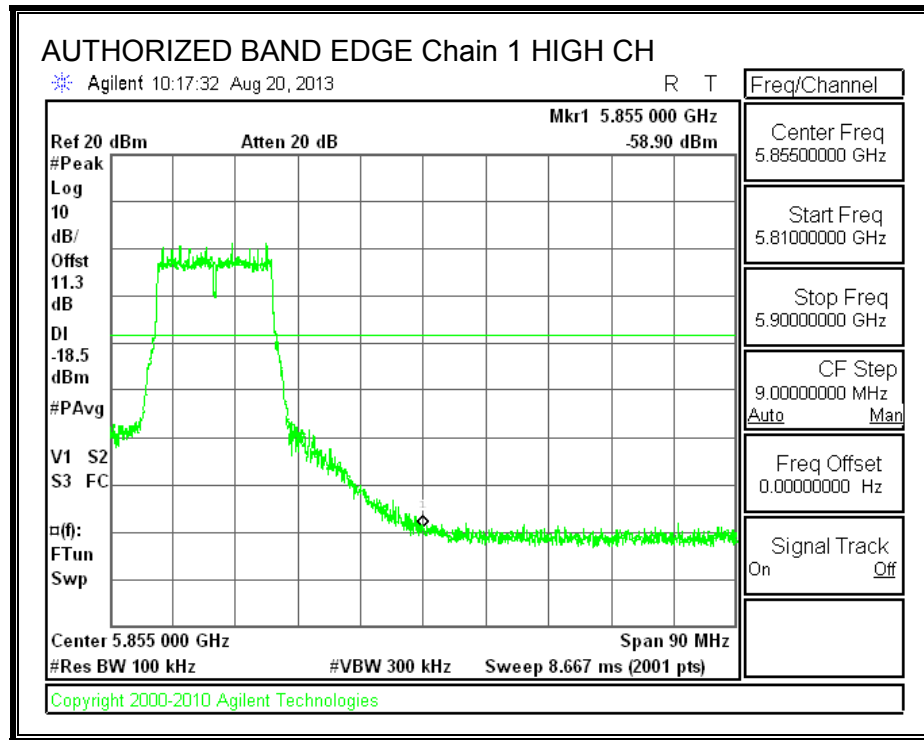
IN-BAND REFERENCE LEVEL, Chain 1



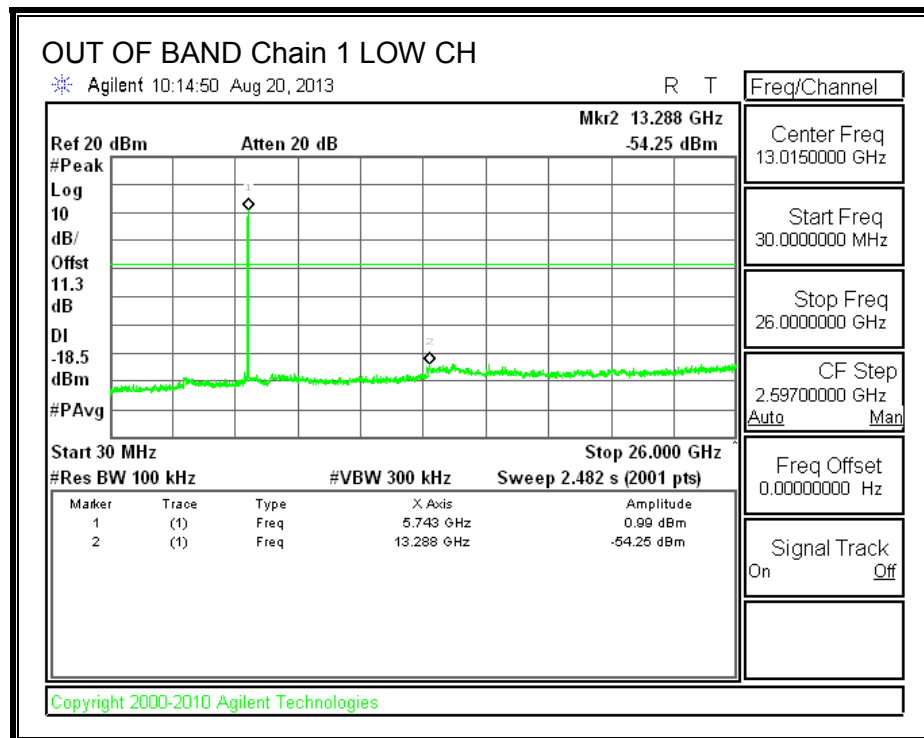
LOW CHANNEL BANDEDGE, Chain 1

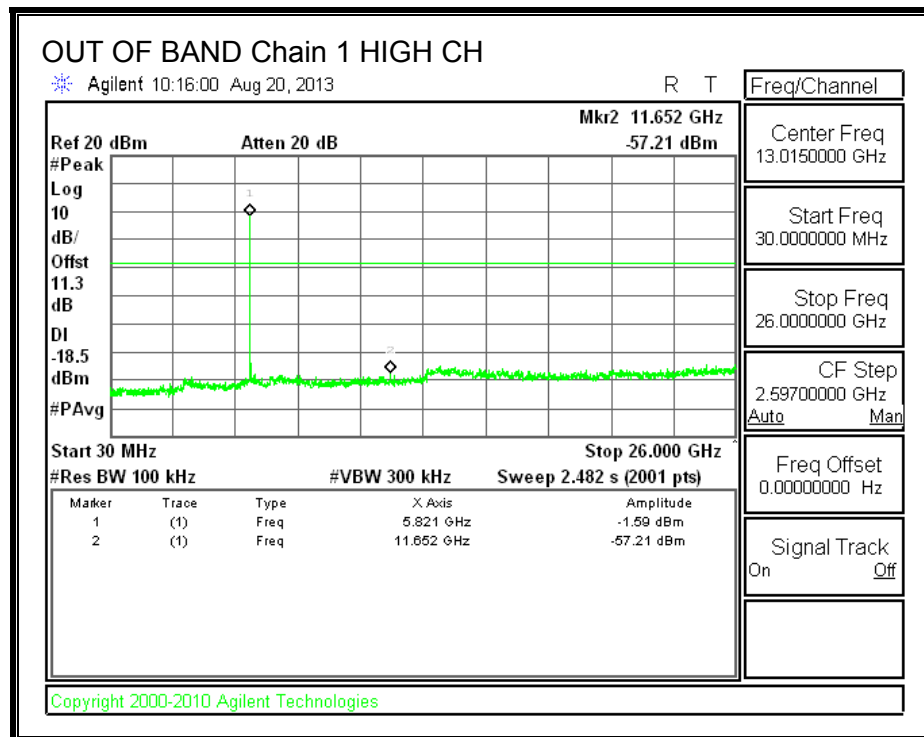
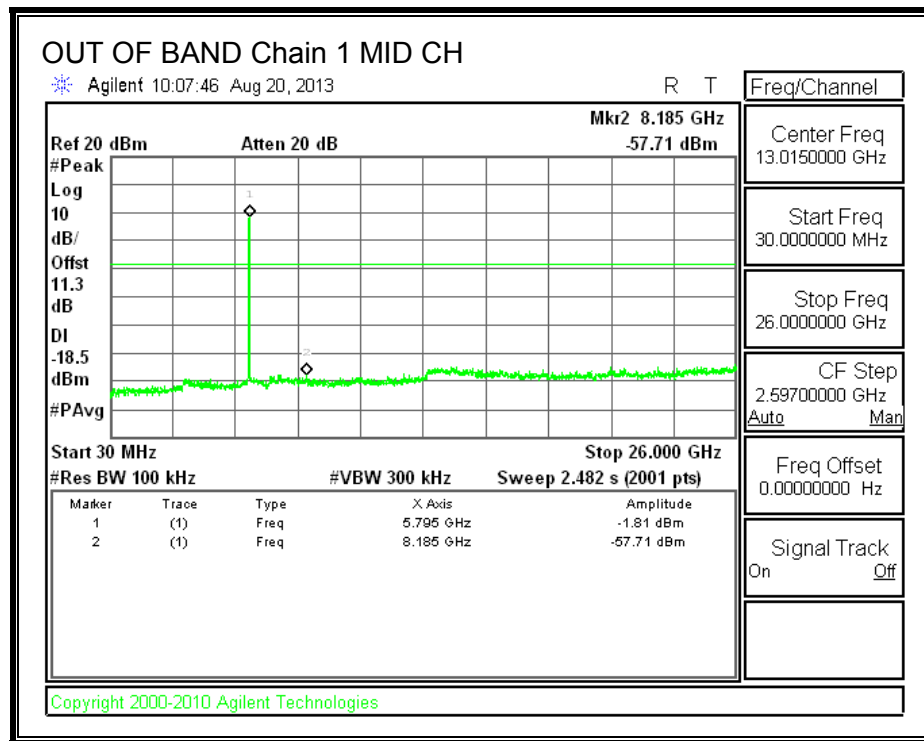


HIGH CHANNEL BANDEDGE, Chain 1



OUT-OF-BAND EMISSIONS, Chain 1





8.6. 802.11n HT20 MODE IN THE 5.8 GHz BAND

8.6.1. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

IC RSS-210 A8.2 (a)

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

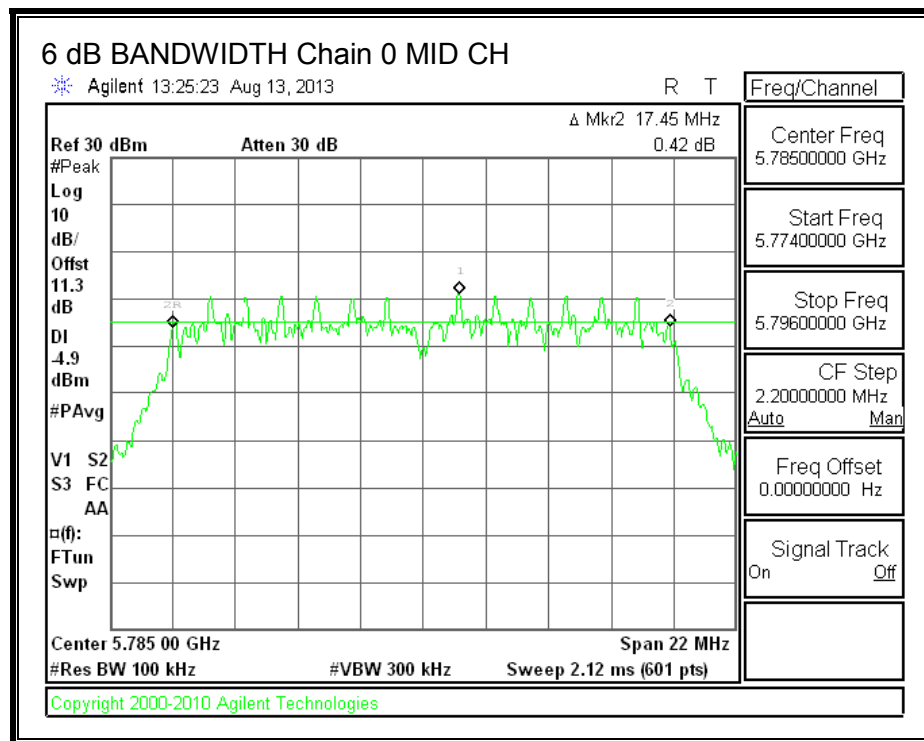
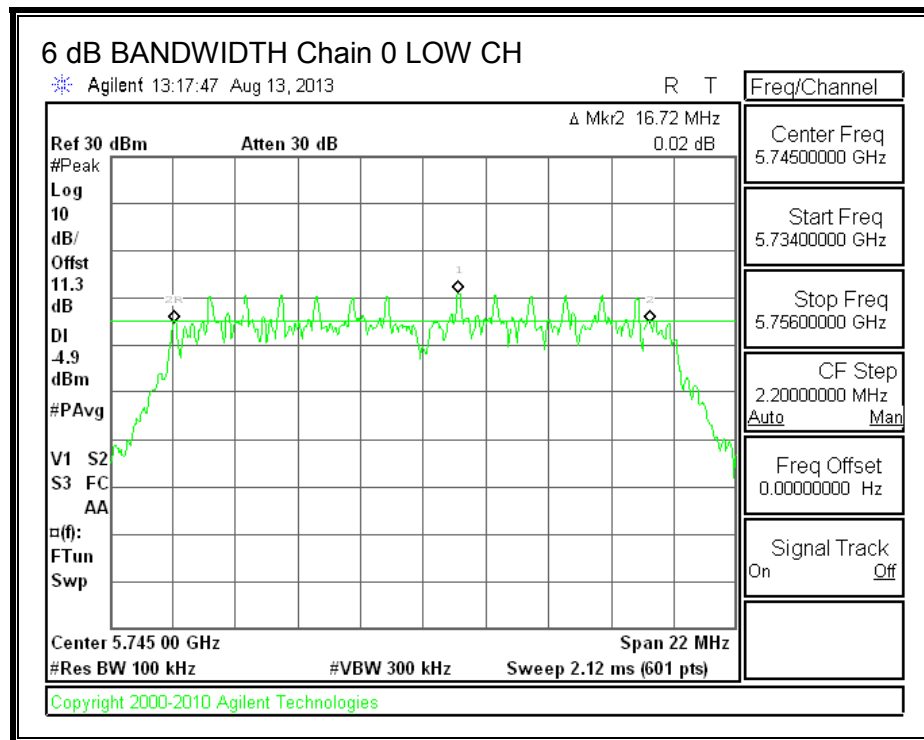
TEST PROCEDURE

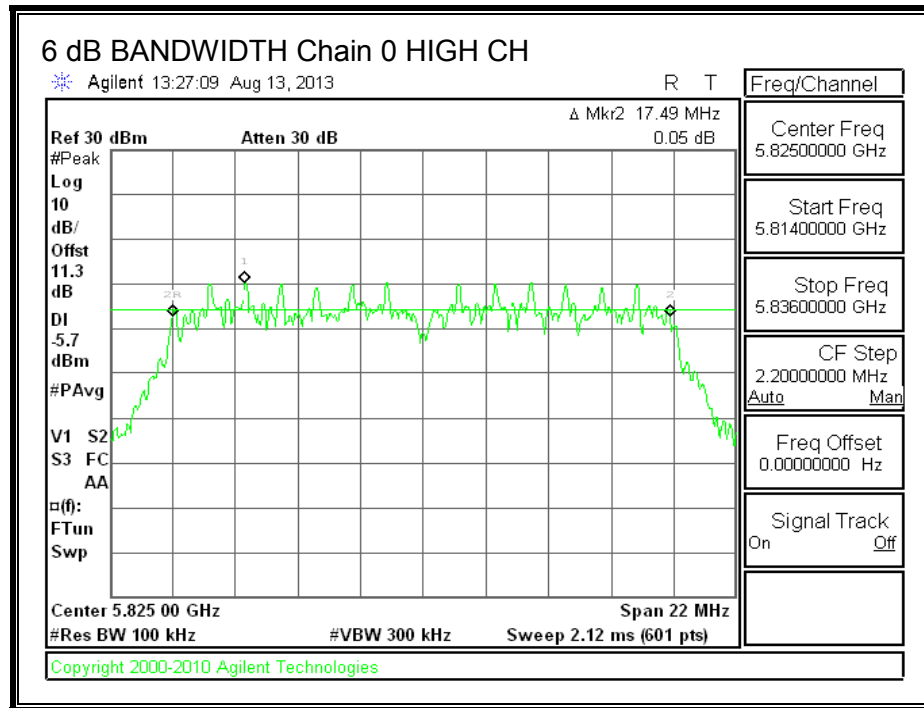
The transmitter output is connected to a spectrum analyzer with the RBW set between 1% and 5% of the EBW, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

RESULTS

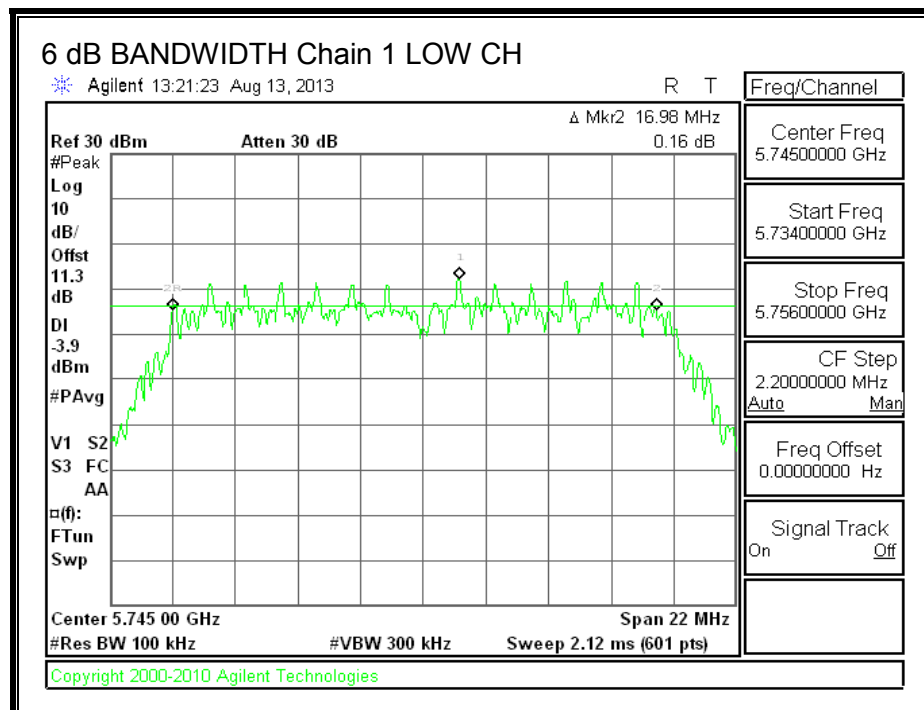
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	16.72	16.98	0.5
Mid	5785	17.45	16.83	0.5
High	5825	17.49	17.49	0.5

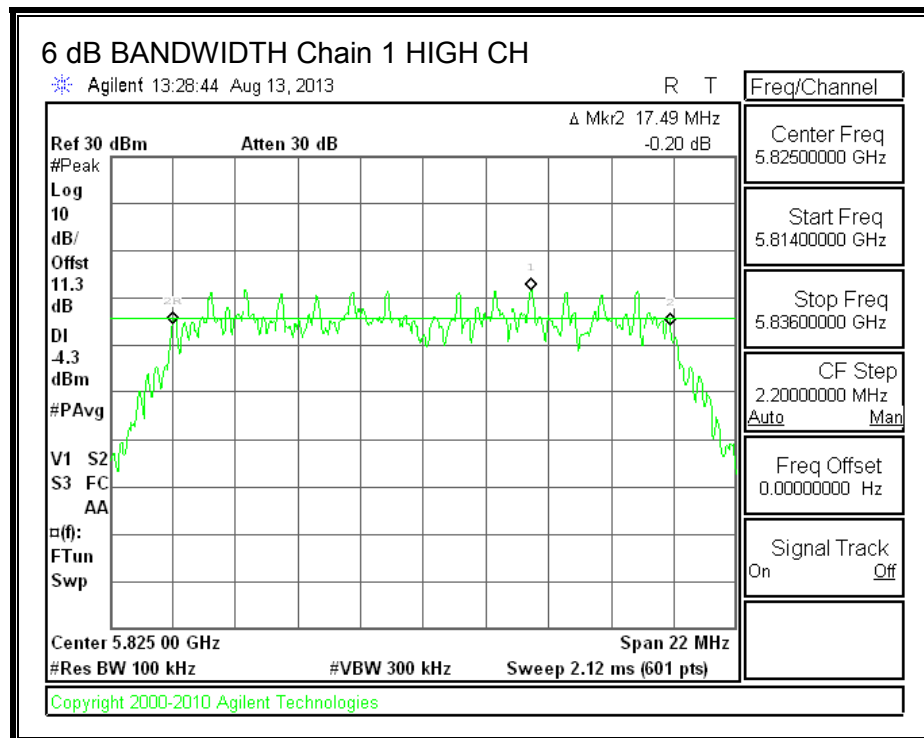
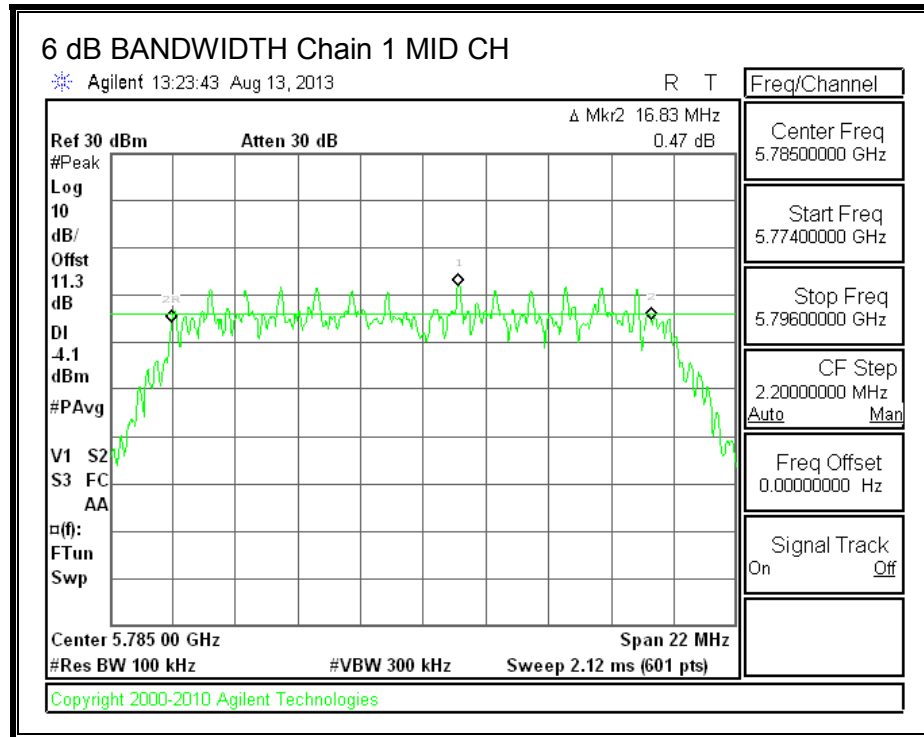
6 dB BANDWIDTH, Chain 0





6 dB BANDWIDTH, Chain 1





8.6.2. 99% BANDWIDTH

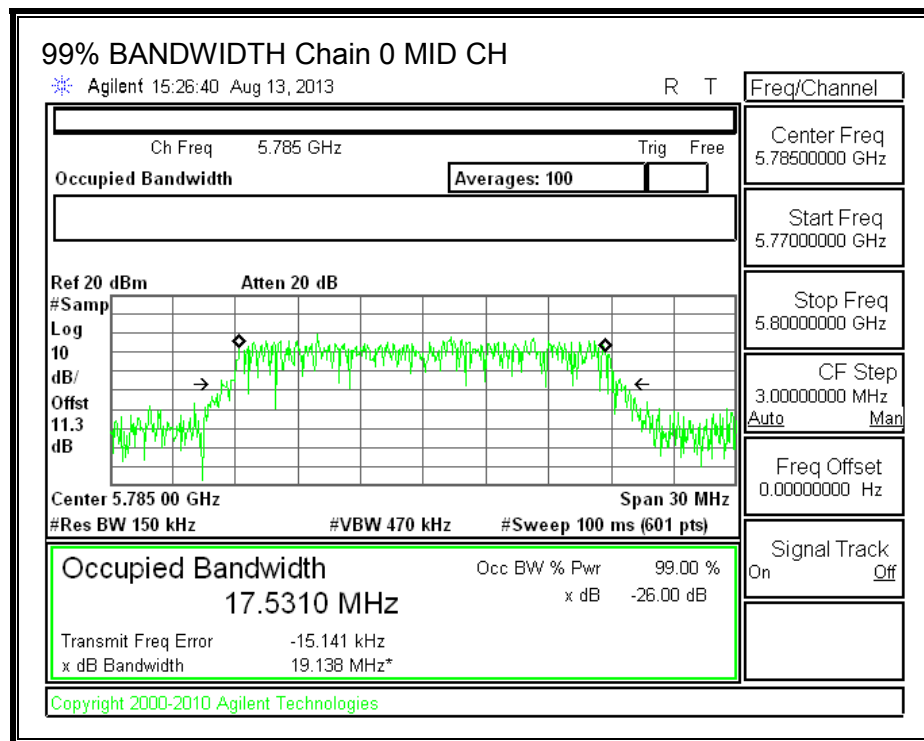
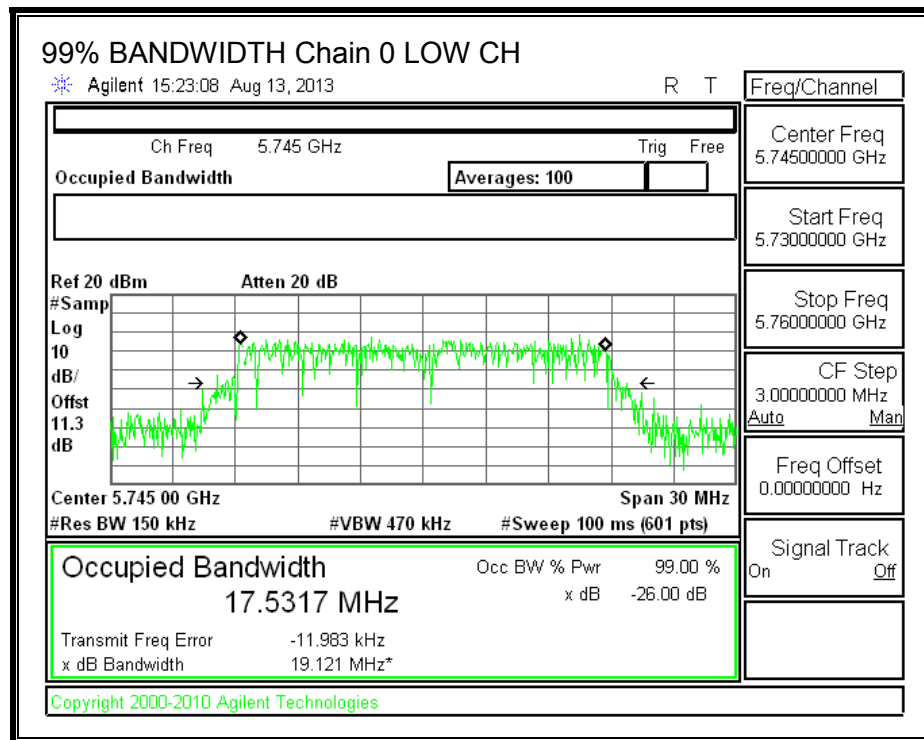
LIMITS

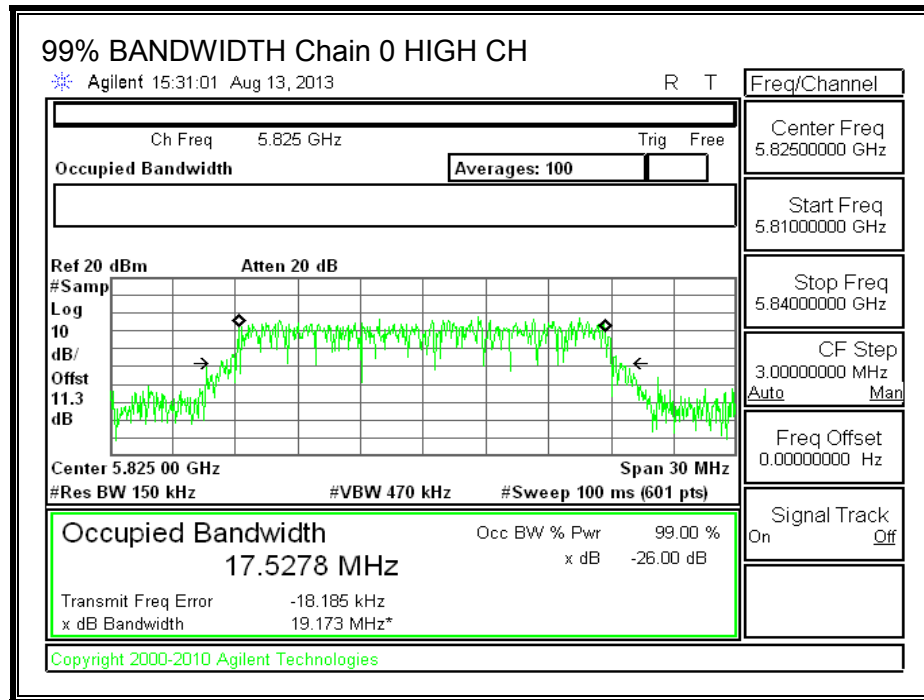
None; for reporting purposes only.

RESULTS

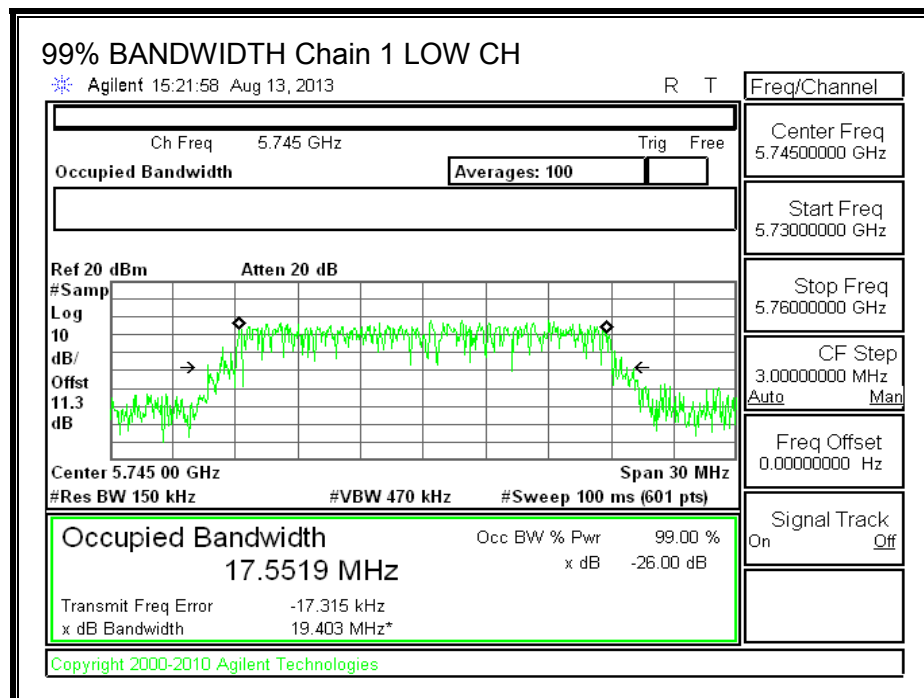
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5745	17.5317	17.5519
Mid	5785	17.5310	17.5521
High	5825	17.5278	17.5537

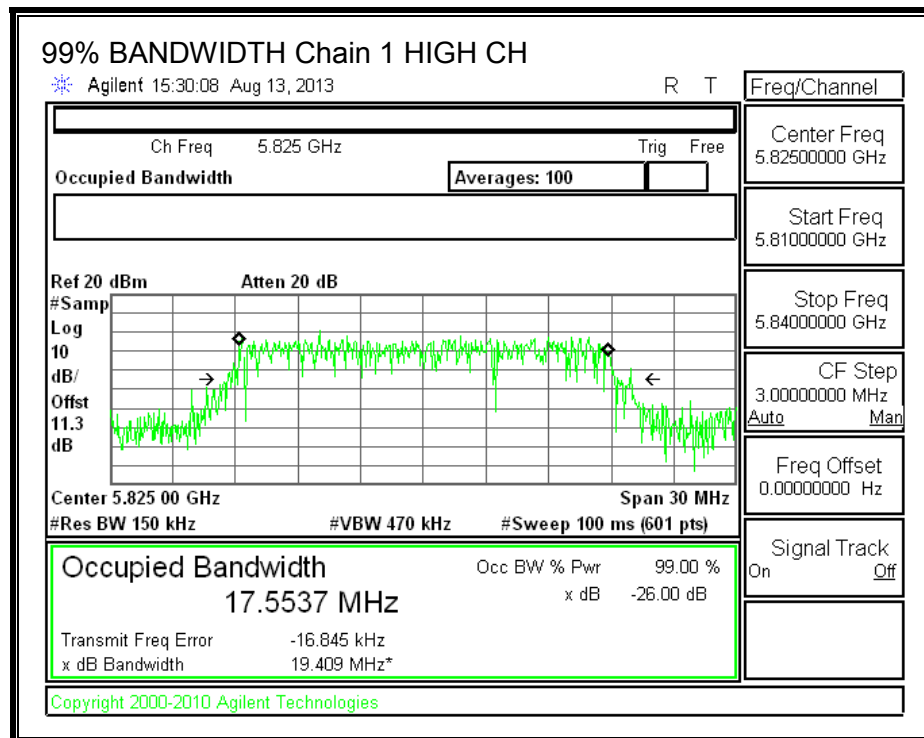
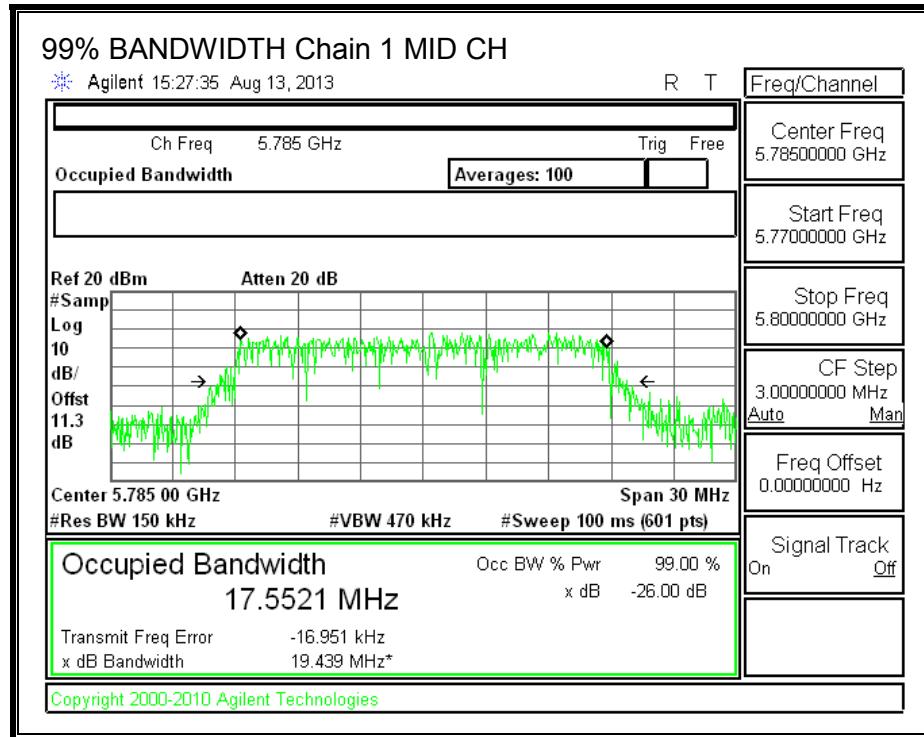
99% BANDWIDTH, Chain 0





99% BANDWIDTH, Chain 1





8.6.3. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 11.3 dB (including 10 dB pad and 1.3 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

RESULTS

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)
Low	5745	10.02	10.23	13.14
Mid	5785	10.88	11.16	14.03
High	5825	10.22	10.82	13.54

8.6.4. OUTPUT POWER

LIMITS

FCC §15.247

IC RSS-210 A8.4

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 uncorrelated and the antenna gain is the same for each chain. The directional gain is equal to the antenna gain.

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
3.90	3.20	3.56

RESULTS

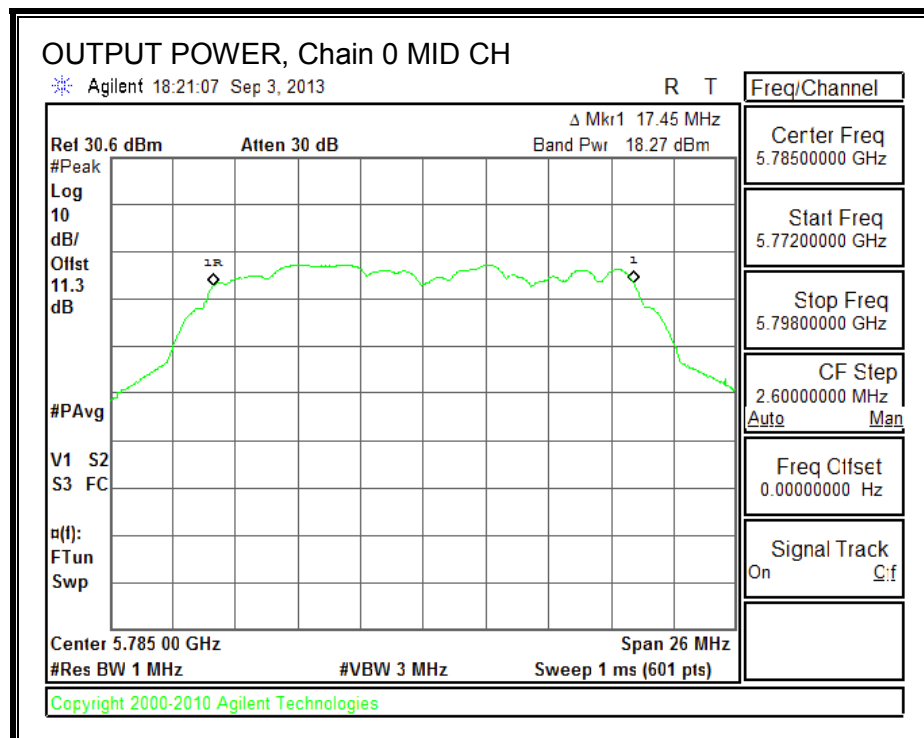
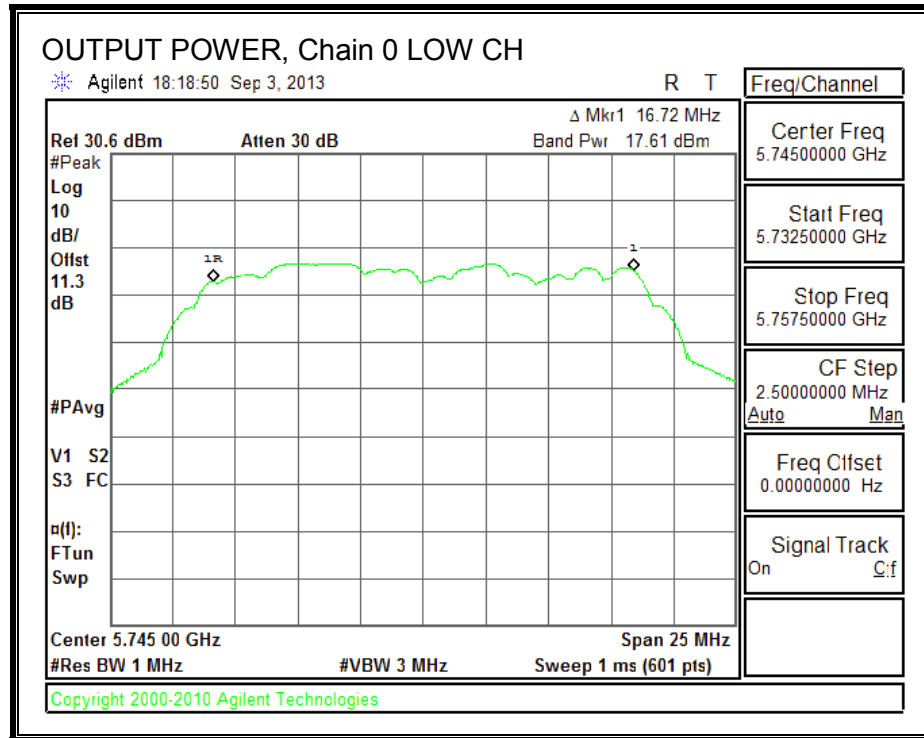
Limits

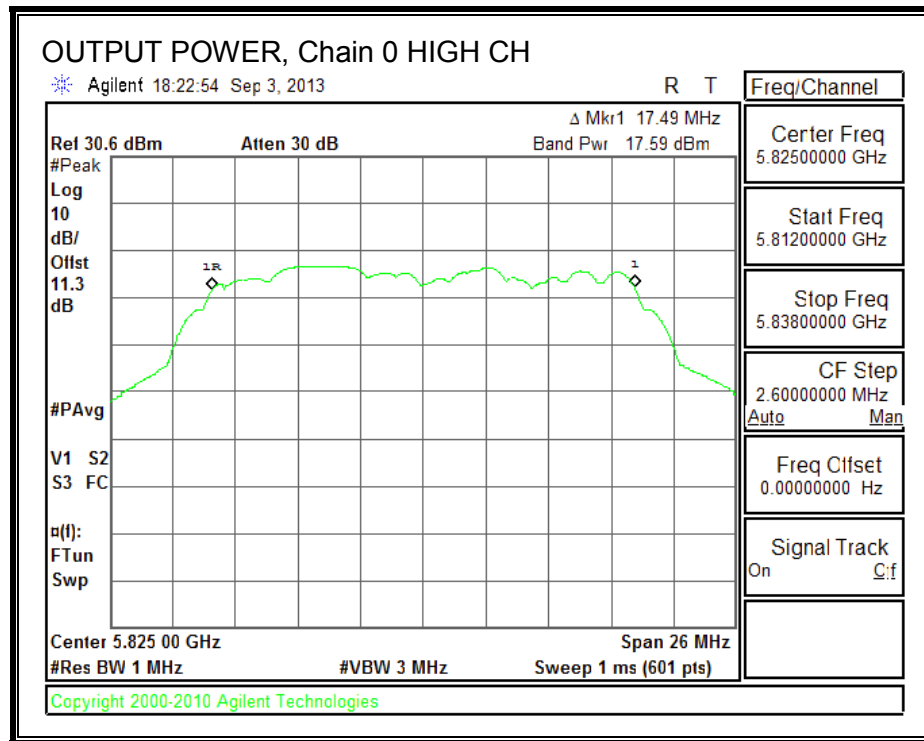
Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5745	3.56	30.00	30	36	30.00
Mid	5785	3.56	30.00	30	36	30.00
High	5825	3.56	30.00	30	36	30.00

Results

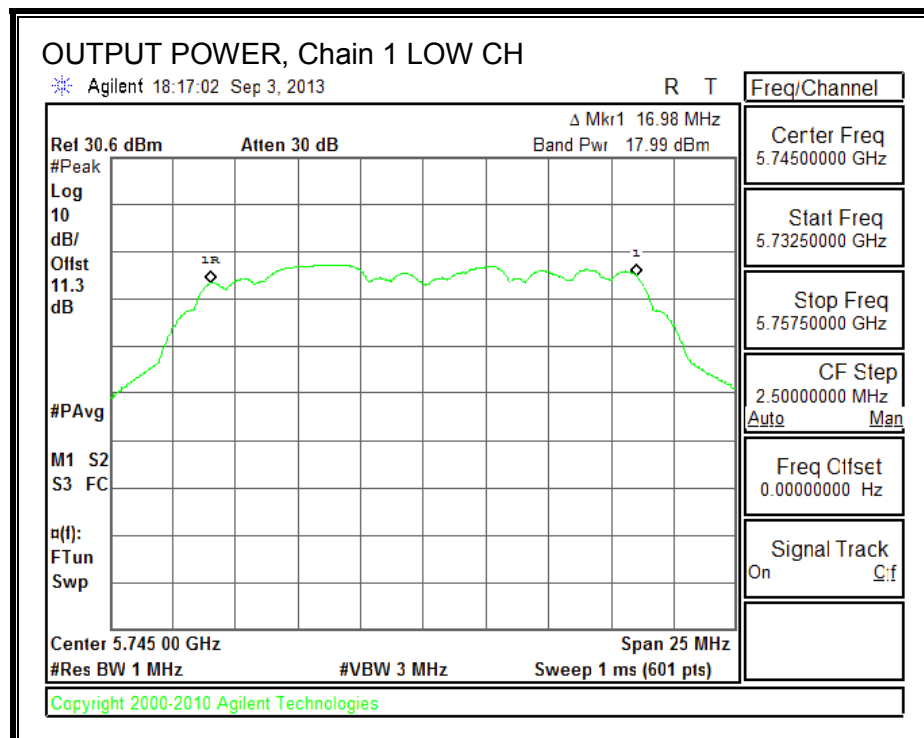
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low	5745	17.61	17.99	20.81	30.00	-9.19
Mid	5785	18.27	18.46	21.38	30.00	-8.62
High	5825	17.59	18.22	20.93	30.00	-9.07

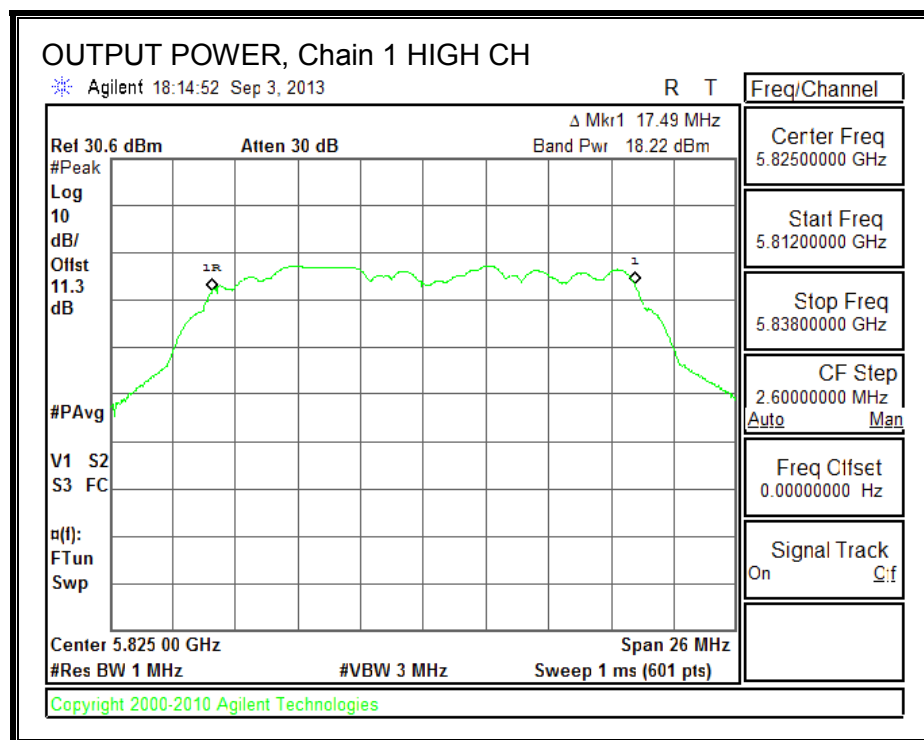
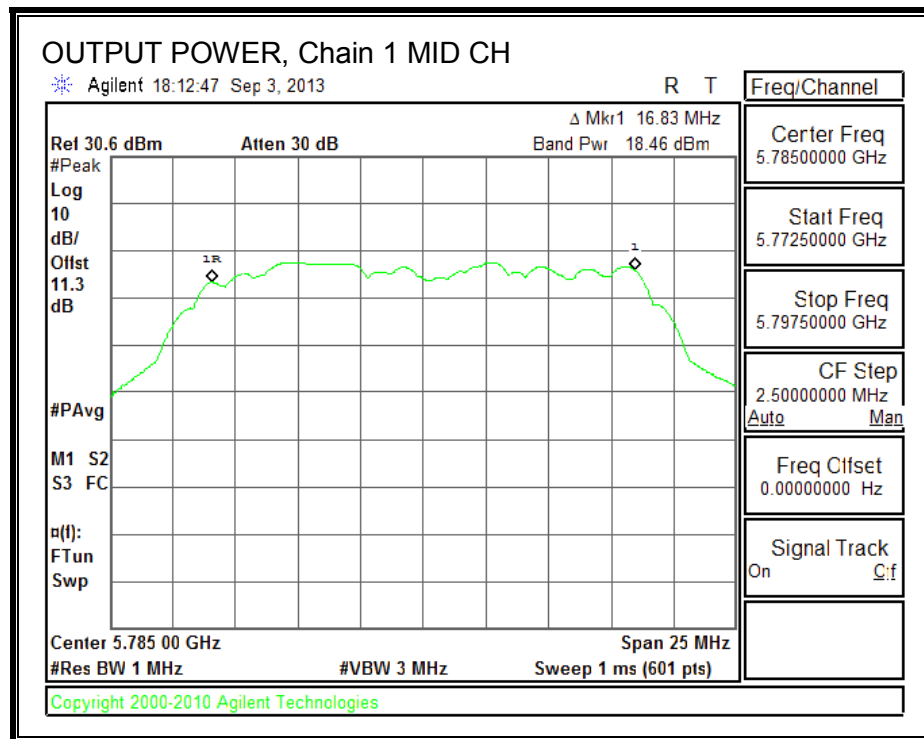
OUTPUT POWER, Chain 0





OUTPUT POWER, Chain 1





8.6.5. PSD

LIMITS

FCC §15.247

IC RSS-210 A8.2

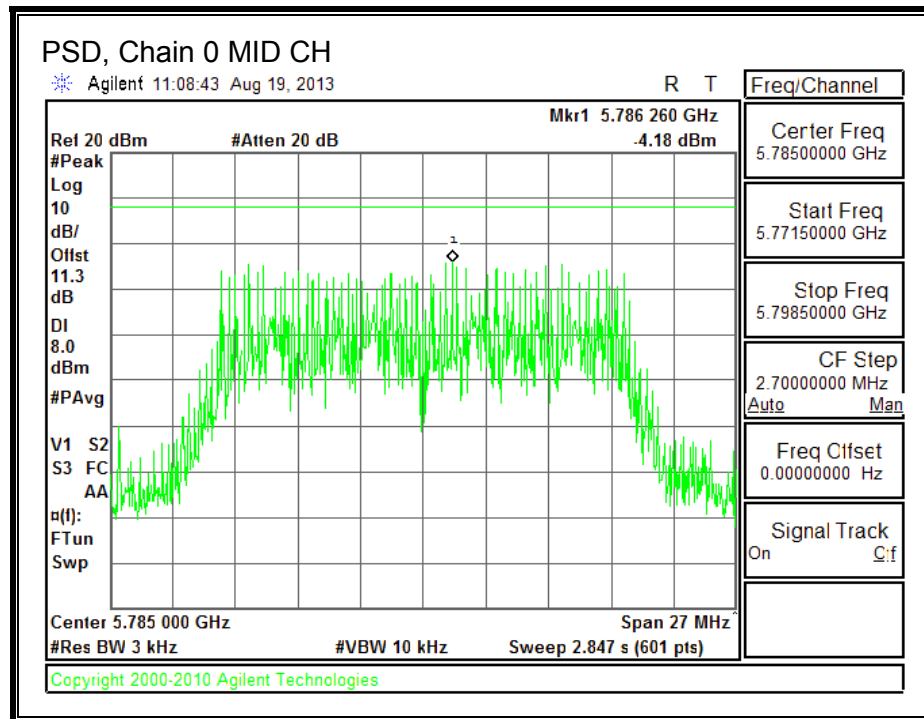
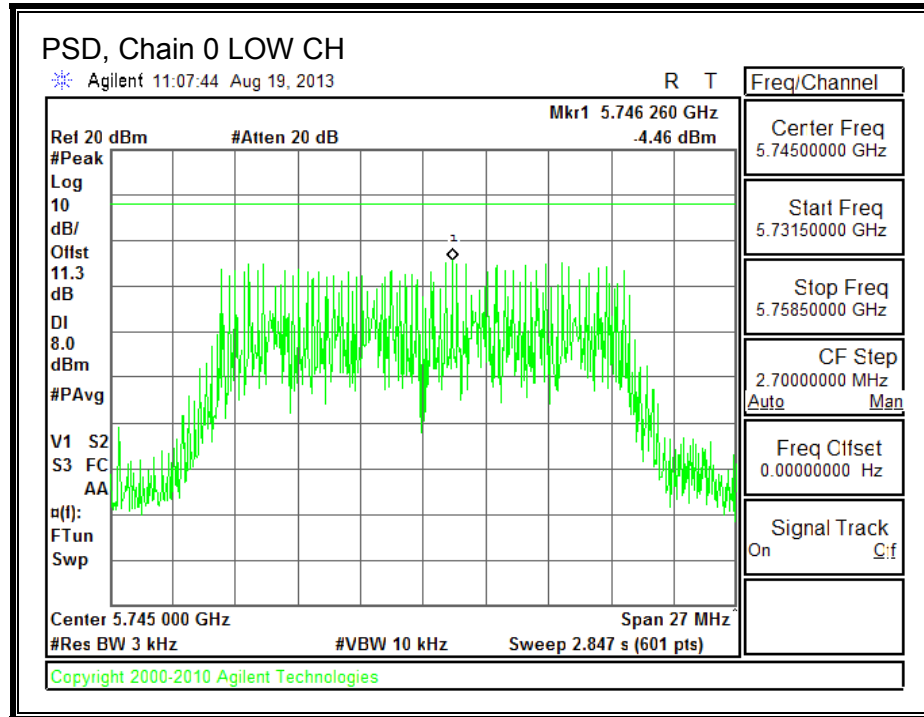
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

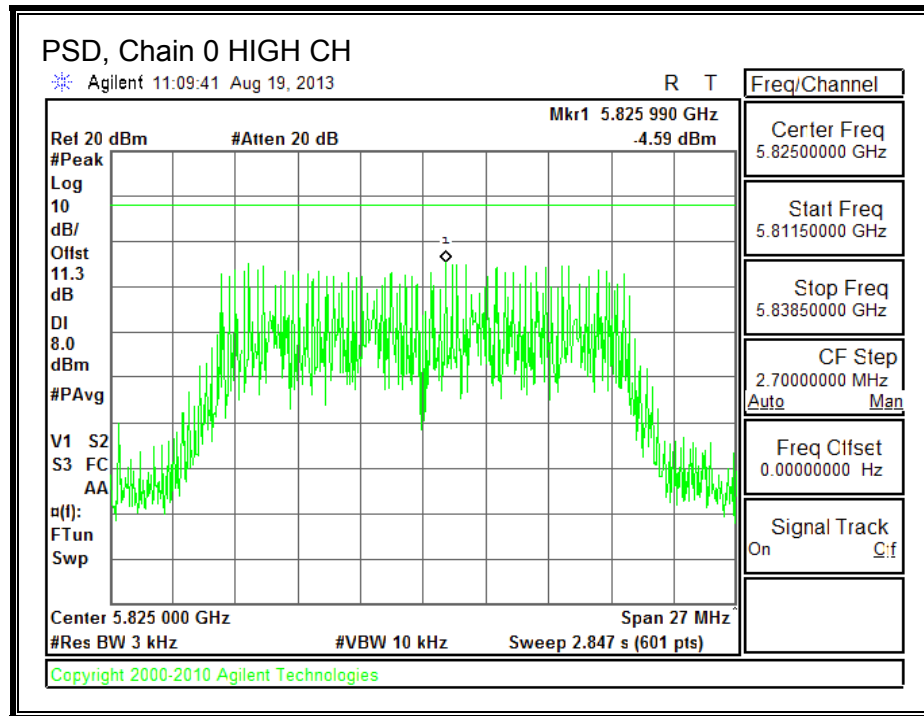
RESULTS

PSD Results

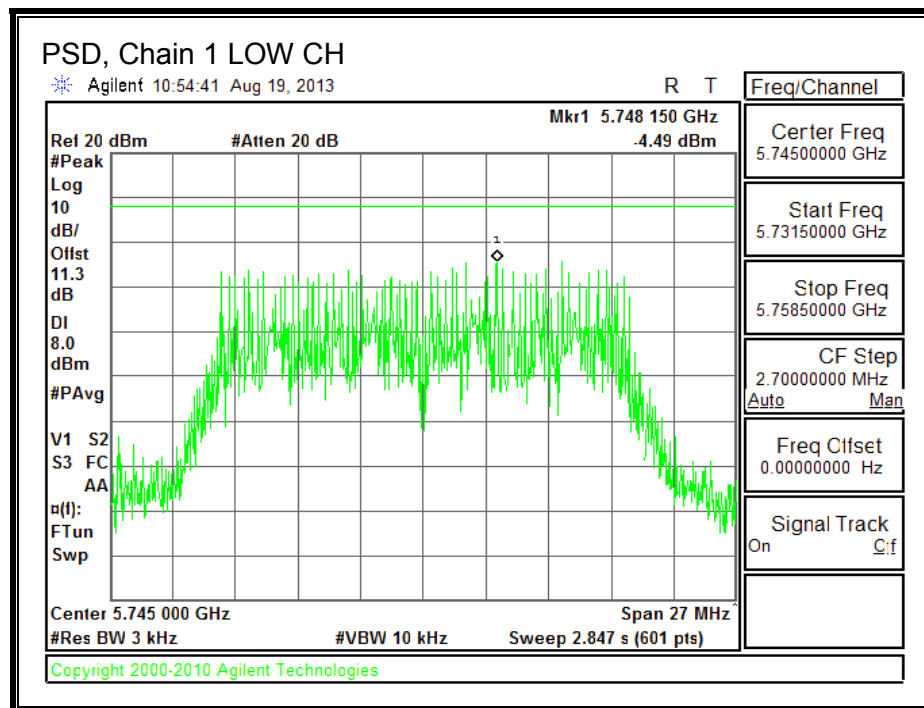
Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Chain 1 Meas (dBm)	Total PSD (dBm)	Limit (dBm)	Margin (dB)
Low	5745	-4.46	-4.49	-1.46	8.0	-9.5
Mid	5785	-4.18	-3.37	-0.75	8.0	-8.7
High	5825	-4.59	-3.75	-1.14	8.0	-9.1

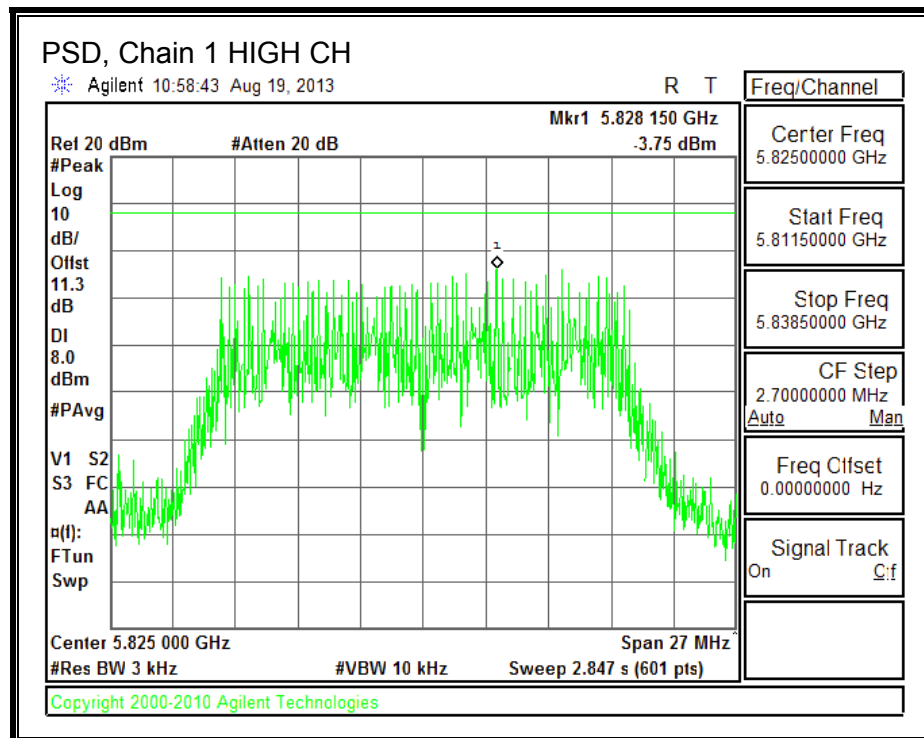
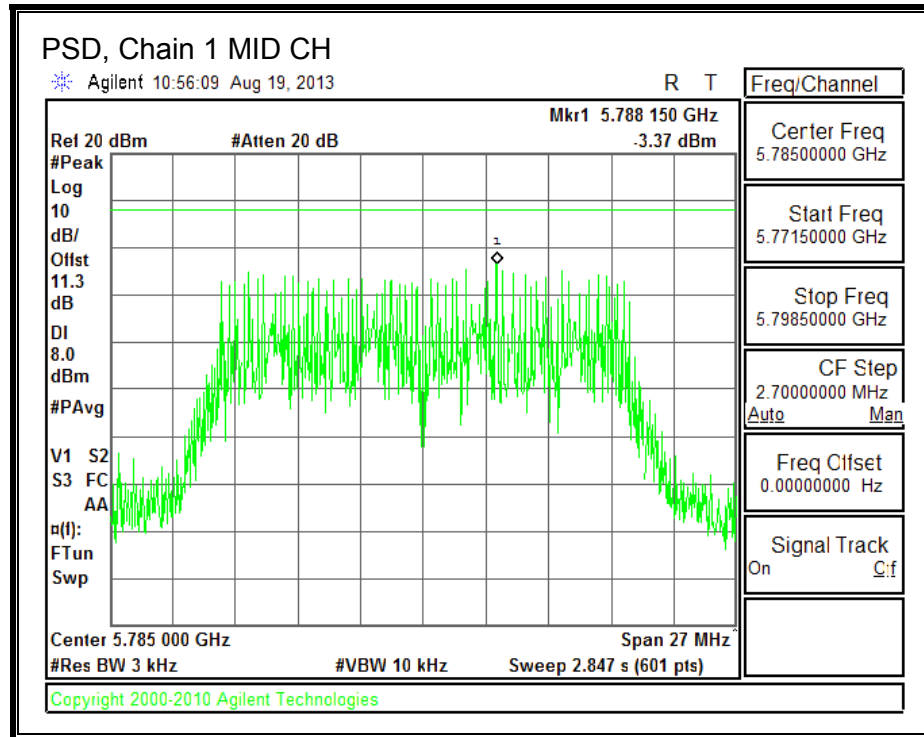
PSD, Chain 0





PSD, Chain 1





8.6.6. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

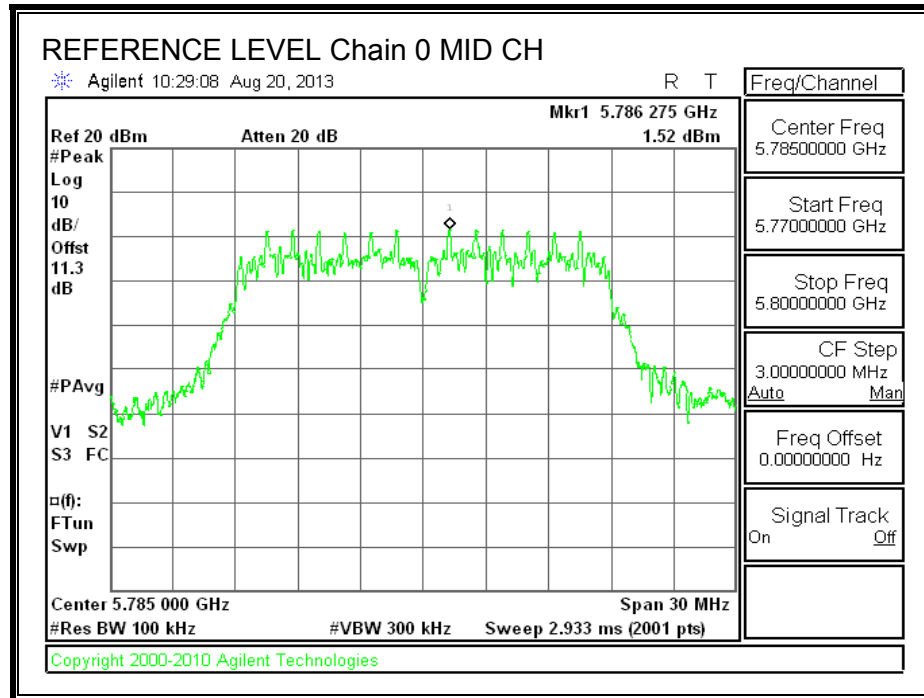
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

TEST PROCEDURE

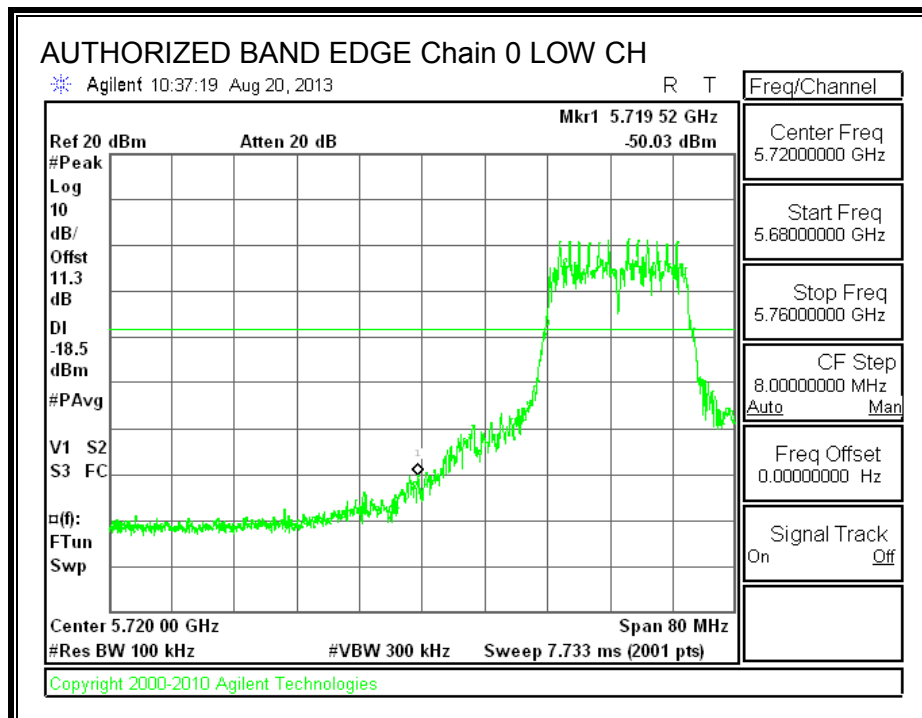
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

RESULTS

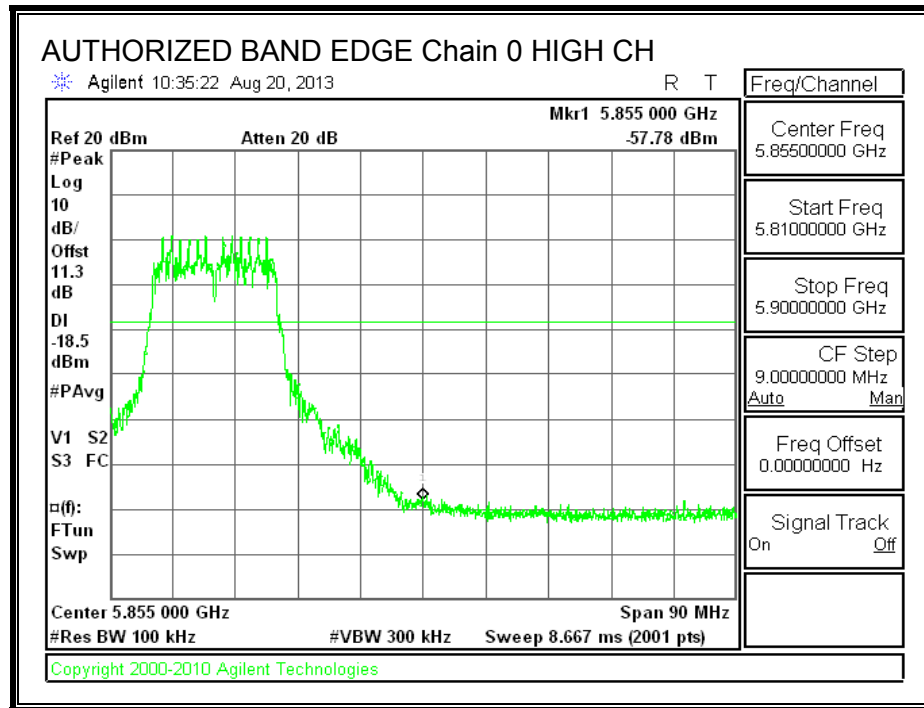
IN-BAND REFERENCE LEVEL, Chain 0



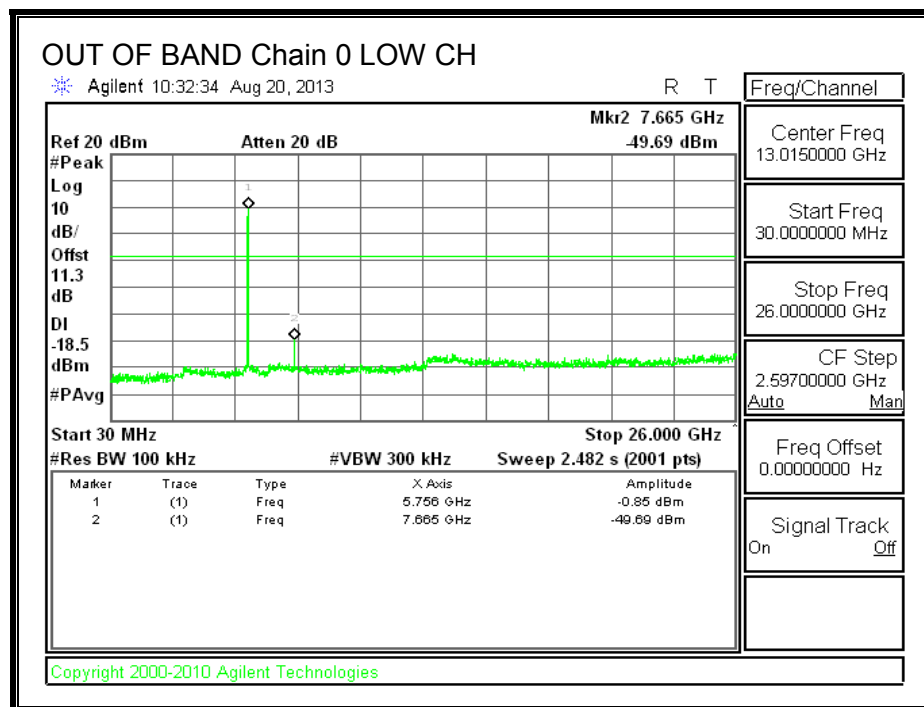
LOW CHANNEL BANDEDGE, Chain 0

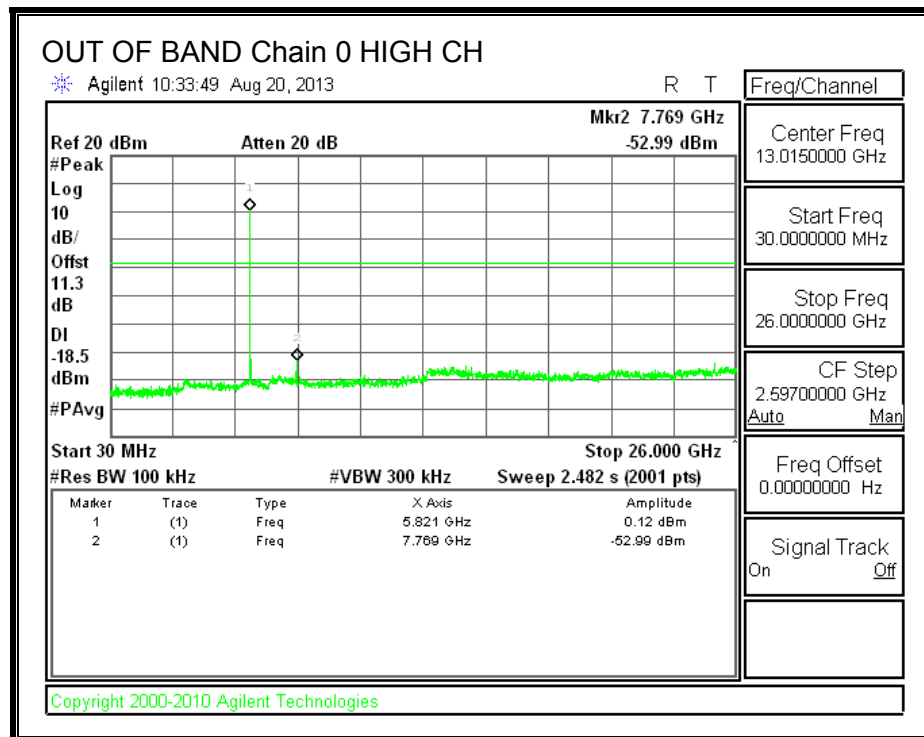
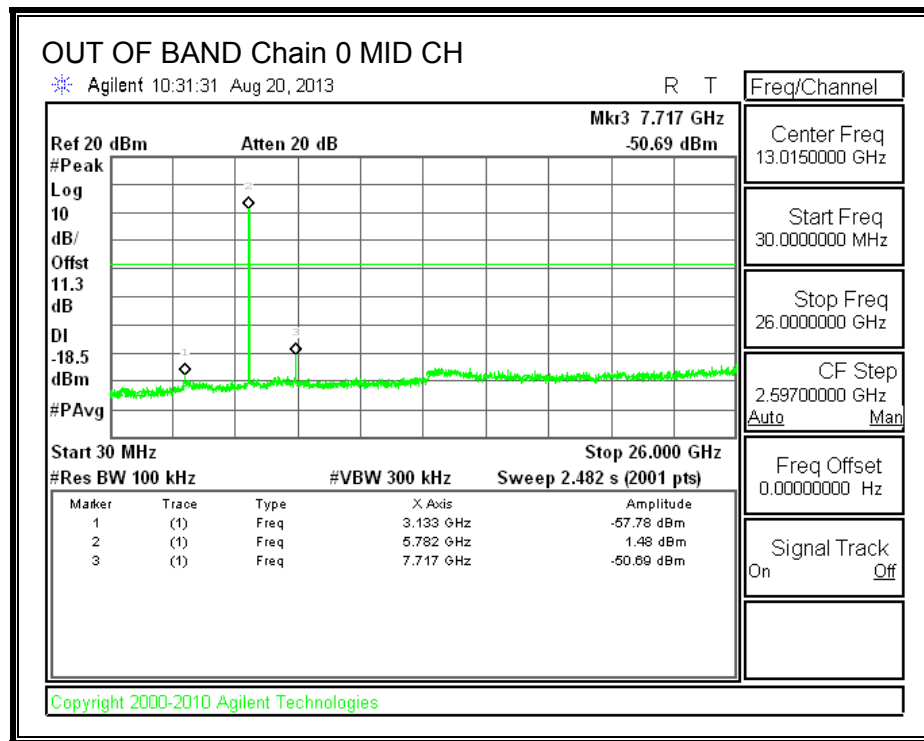


HIGH CHANNEL BANDEDGE, Chain 0

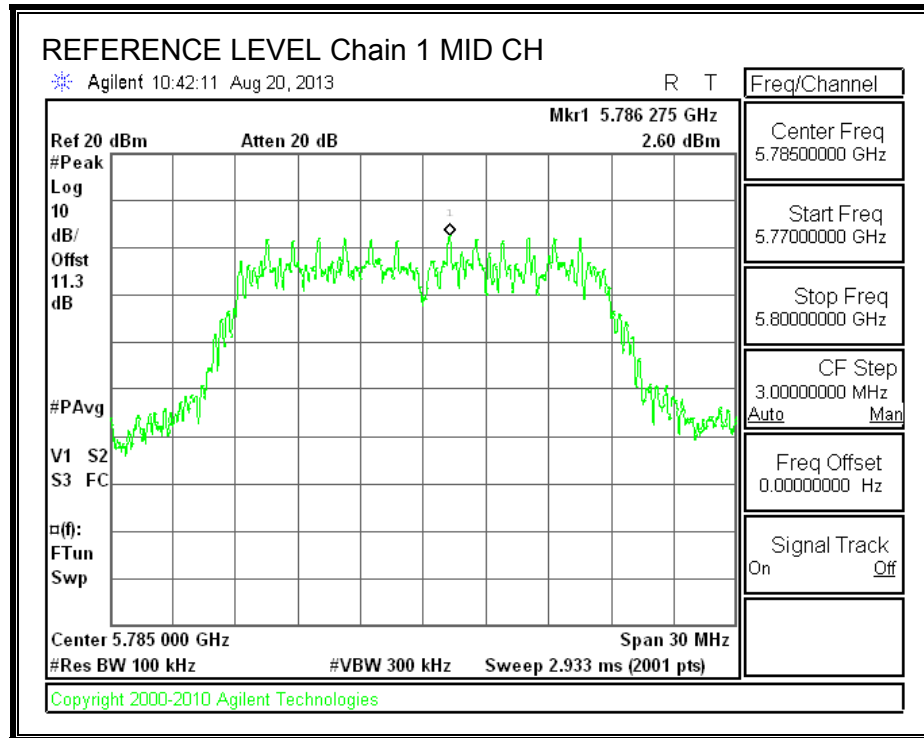


OUT-OF-BAND EMISSIONS, Chain 0

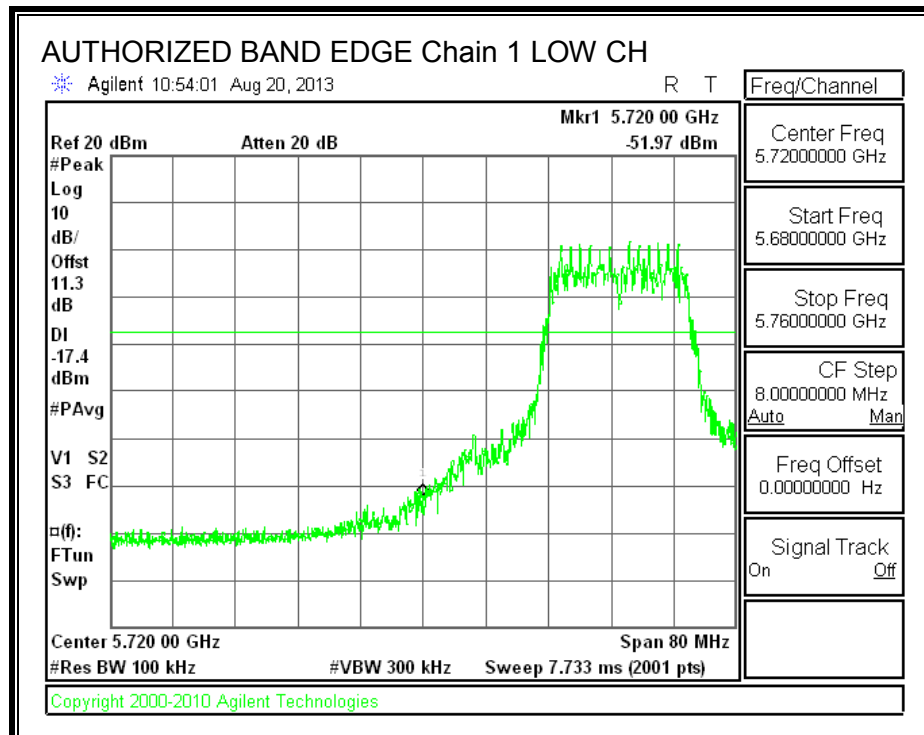




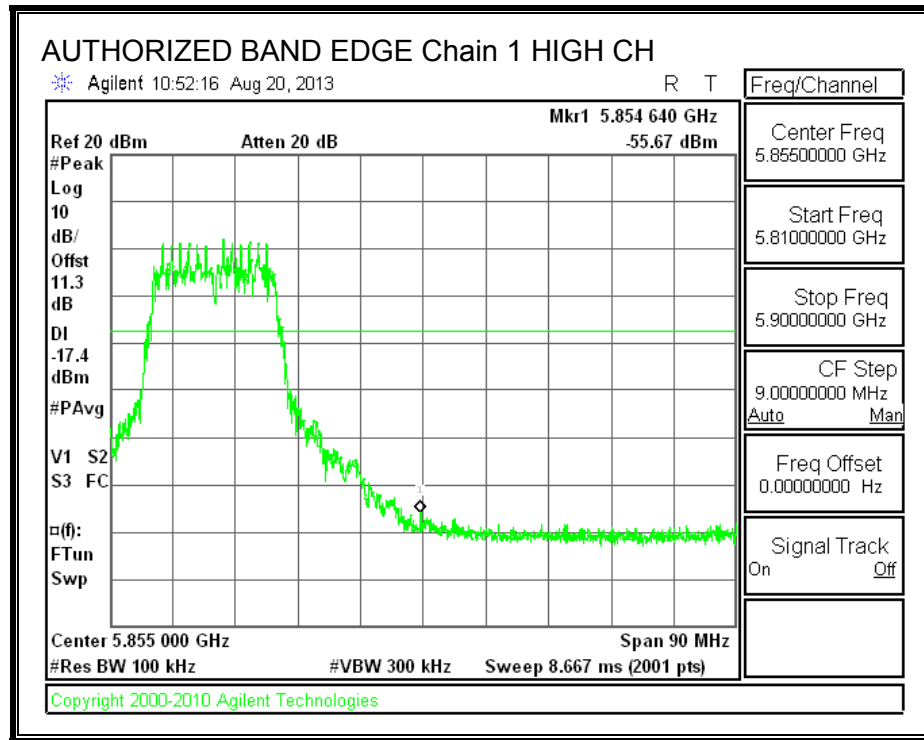
IN-BAND REFERENCE LEVEL, Chain 1



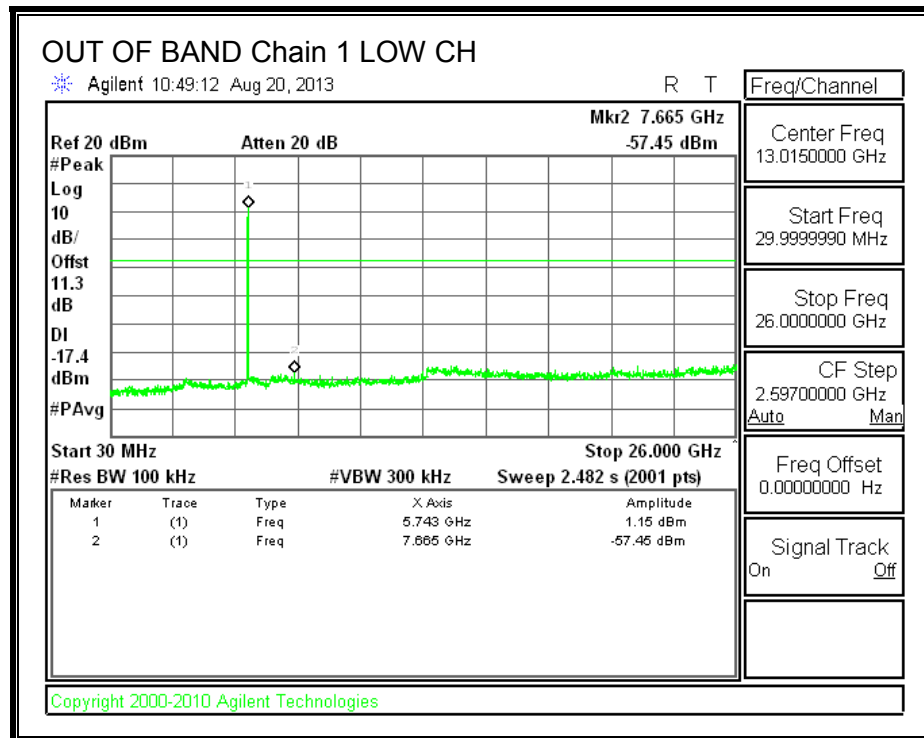
LOW CHANNEL BANDEDGE, Chain 1

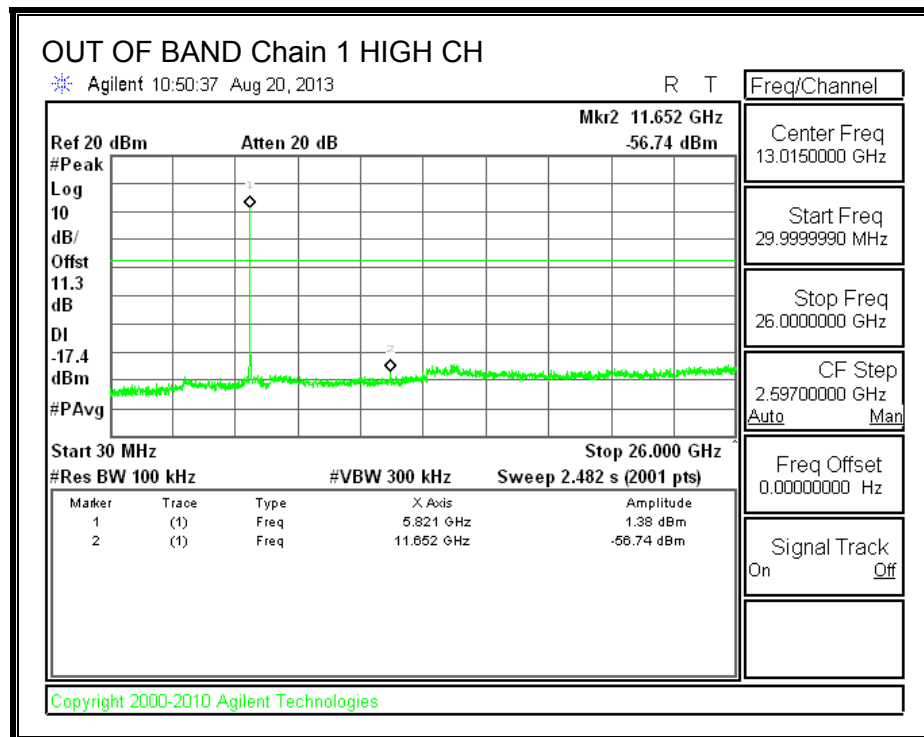
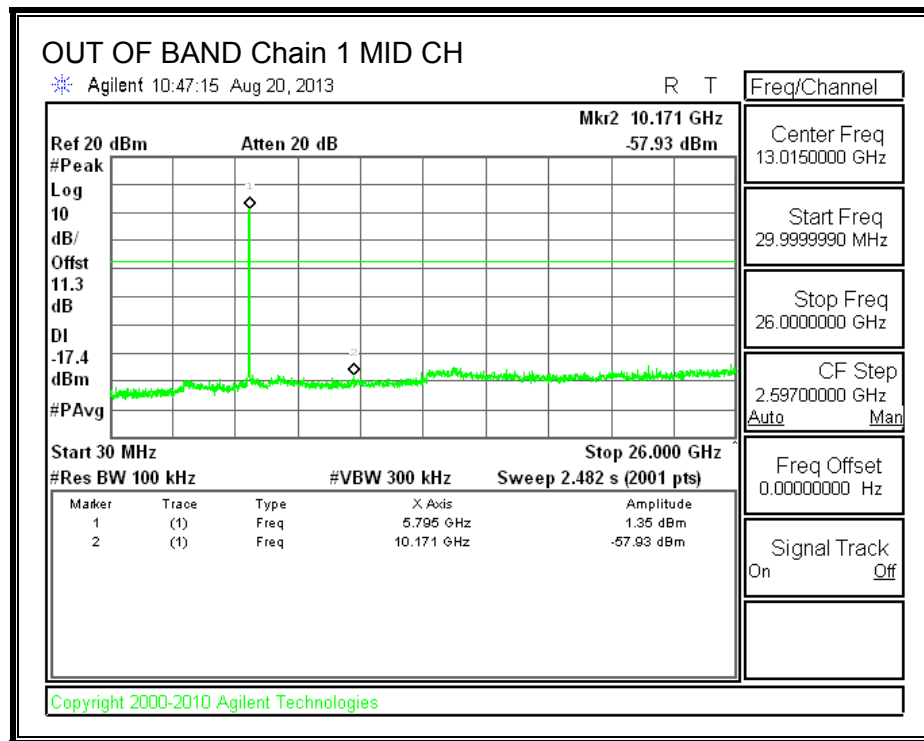


HIGH CHANNEL BANDEDGE, Chain 1



OUT-OF-BAND EMISSIONS, Chain 1





8.7. 802.11n HT40 MODE IN THE 5.8 GHz BAND

8.7.1. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

IC RSS-210 A8.2 (a)

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

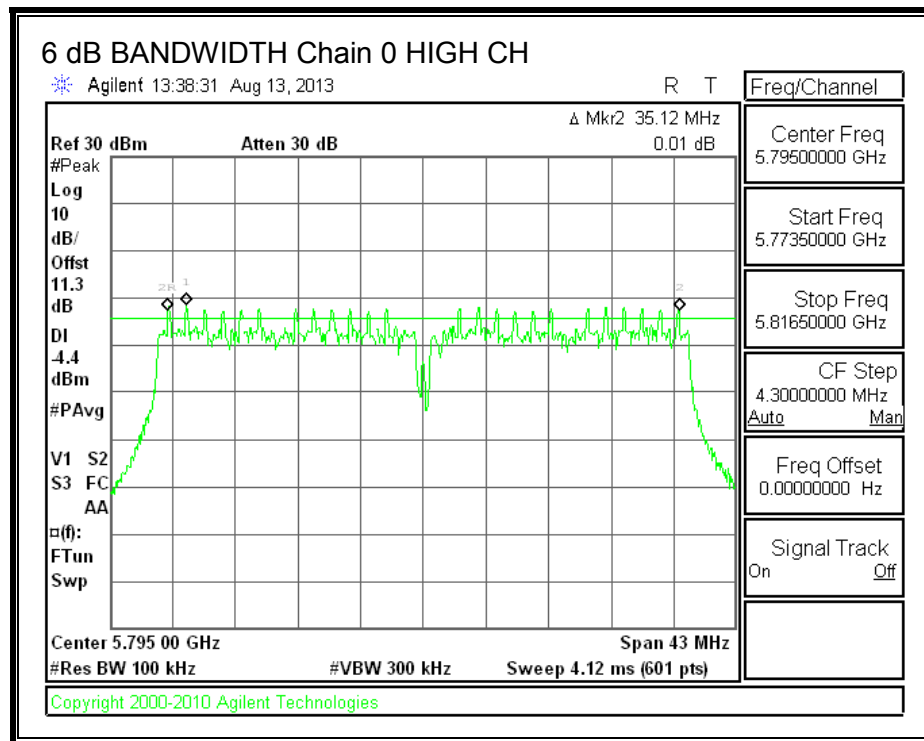
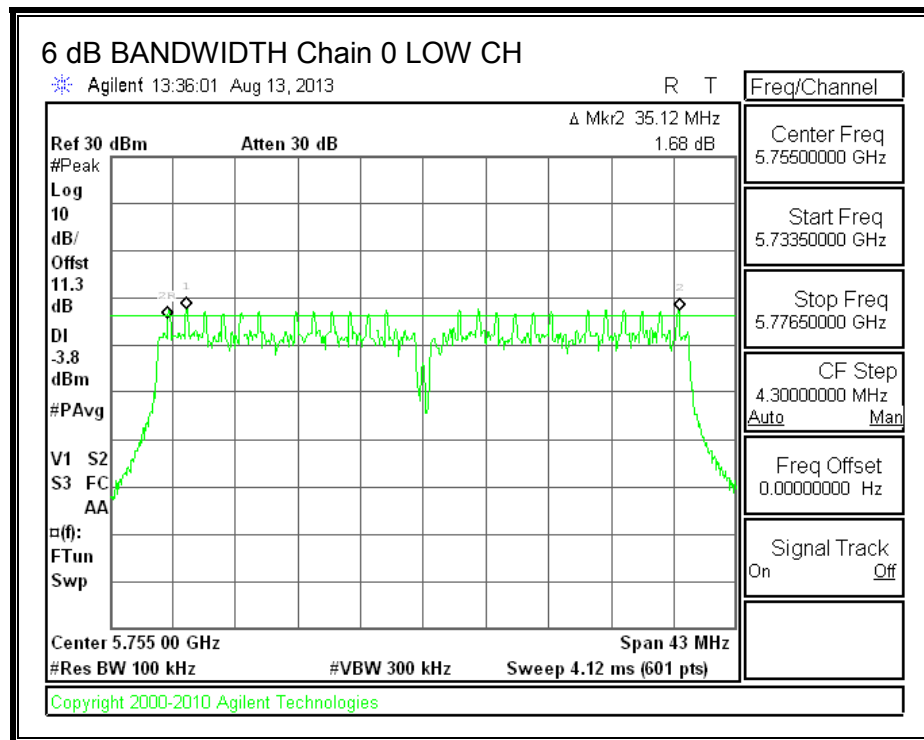
TEST PROCEDURE

The transmitter output is connected to a spectrum analyzer with the RBW set between 1% and 5% of the EBW, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

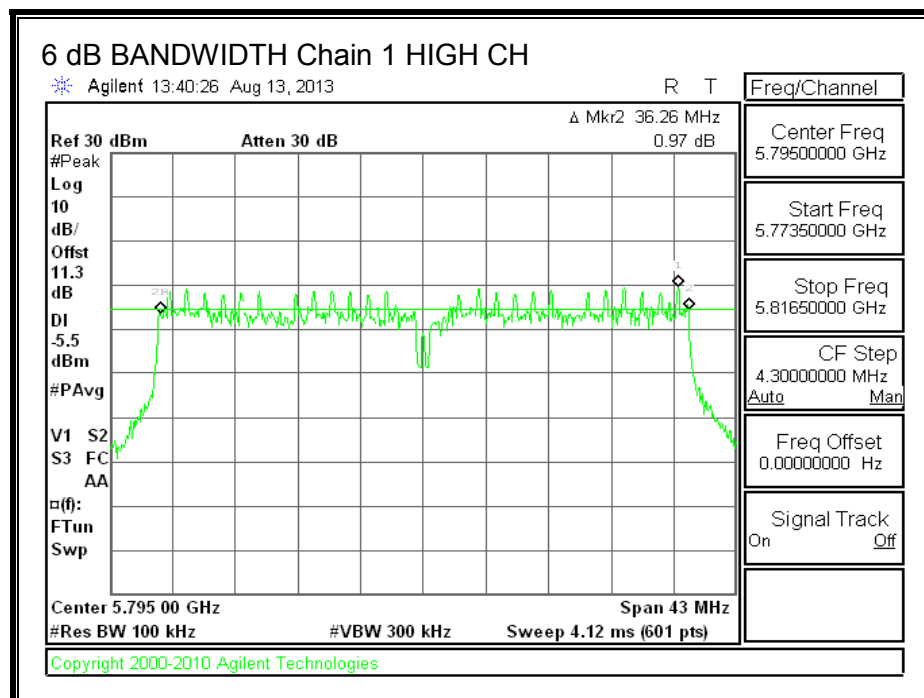
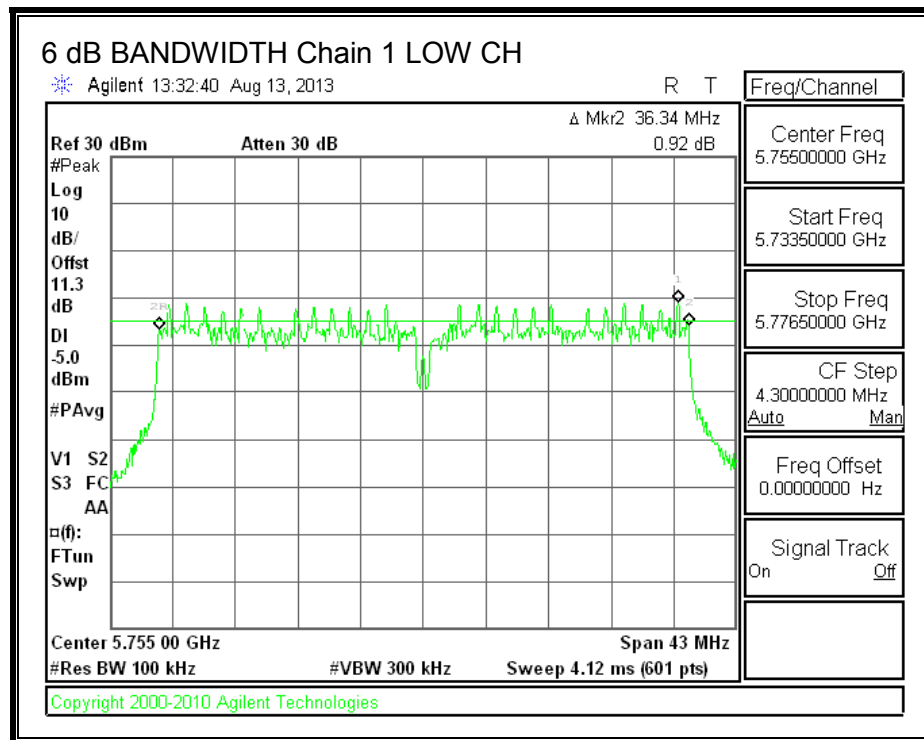
RESULTS

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5755	35.12	36.34	0.5
High	5795	35.12	36.26	0.5

6 dB BANDWIDTH, Chain 0



6 dB BANDWIDTH, Chain 1



8.7.2. 99% BANDWIDTH

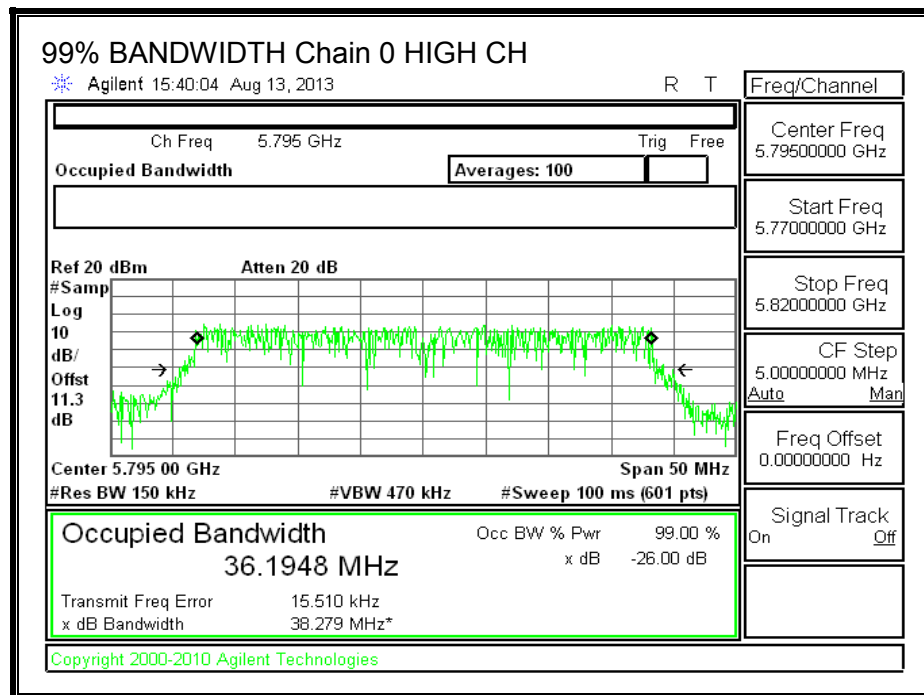
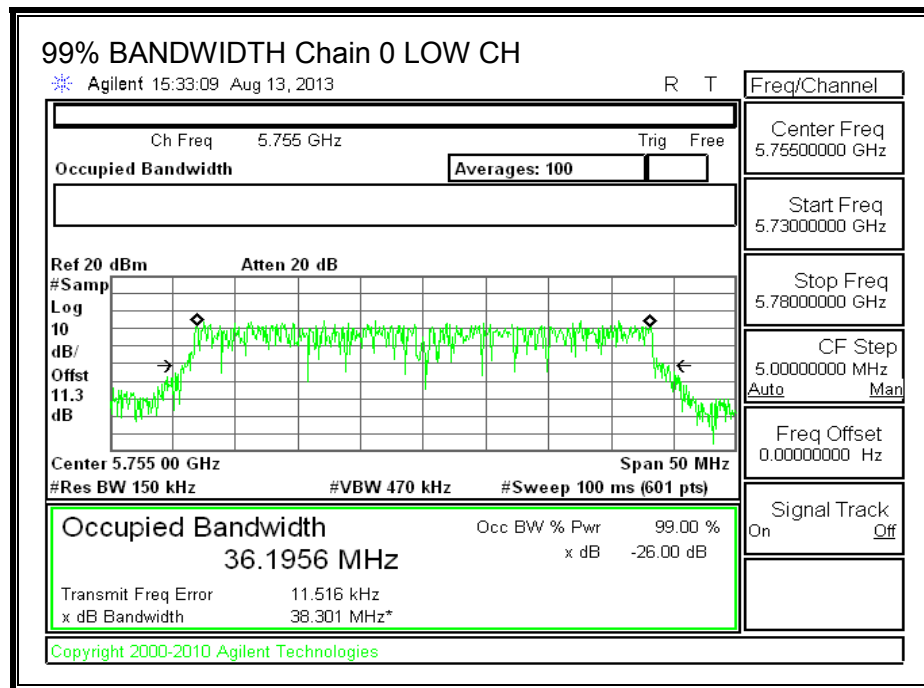
LIMITS

None; for reporting purposes only.

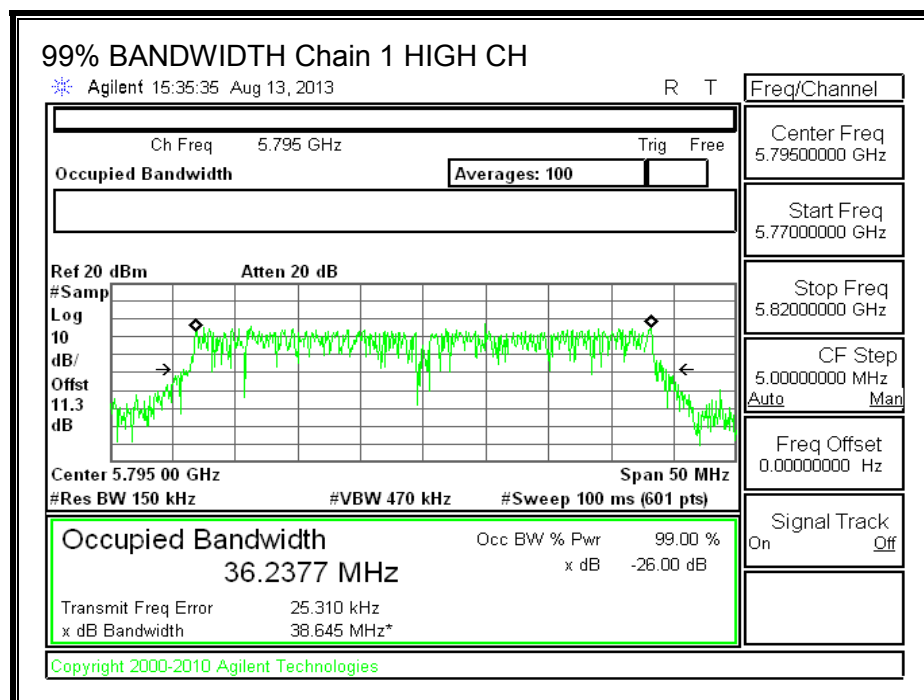
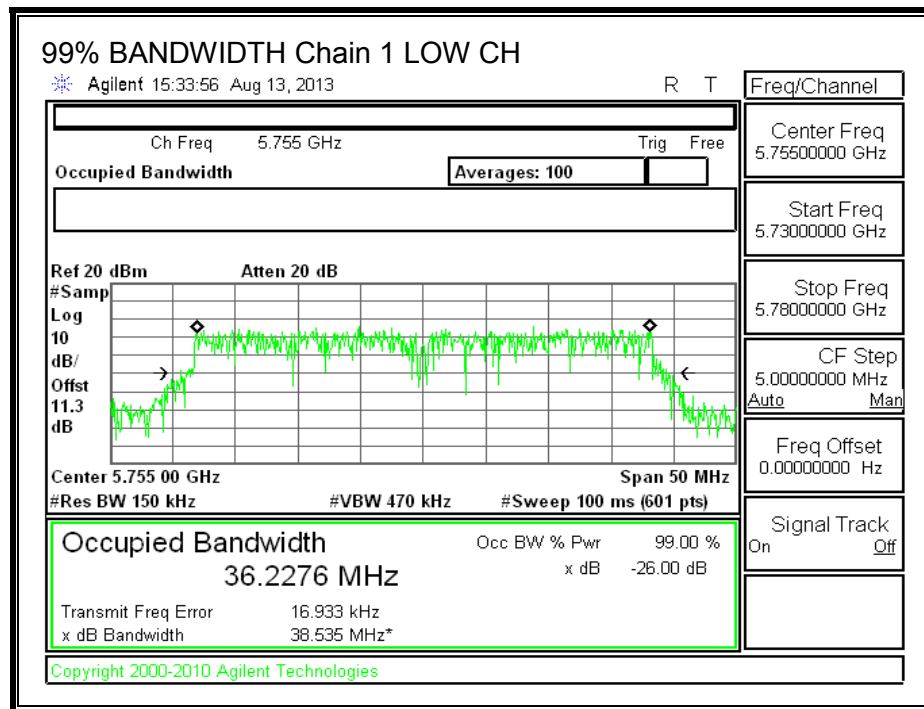
RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5755	36.1956	36.2276
High	5795	36.1948	36.2377

99% BANDWIDTH, Chain 0



99% BANDWIDTH, Chain 1



8.7.3. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 11.3 dB (including 10 dB pad and 1.3 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

RESULTS

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)
Low	5755	10.90	10.98	13.95
High	5795	10.20	9.98	13.10

8.7.4. OUTPUT POWER

LIMITS

FCC §15.247

IC RSS-210 A8.4

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 uncorrelated and the antenna gain is the same for each chain. The directional gain is equal to the antenna gain.

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
3.90	3.20	3.56

RESULTS

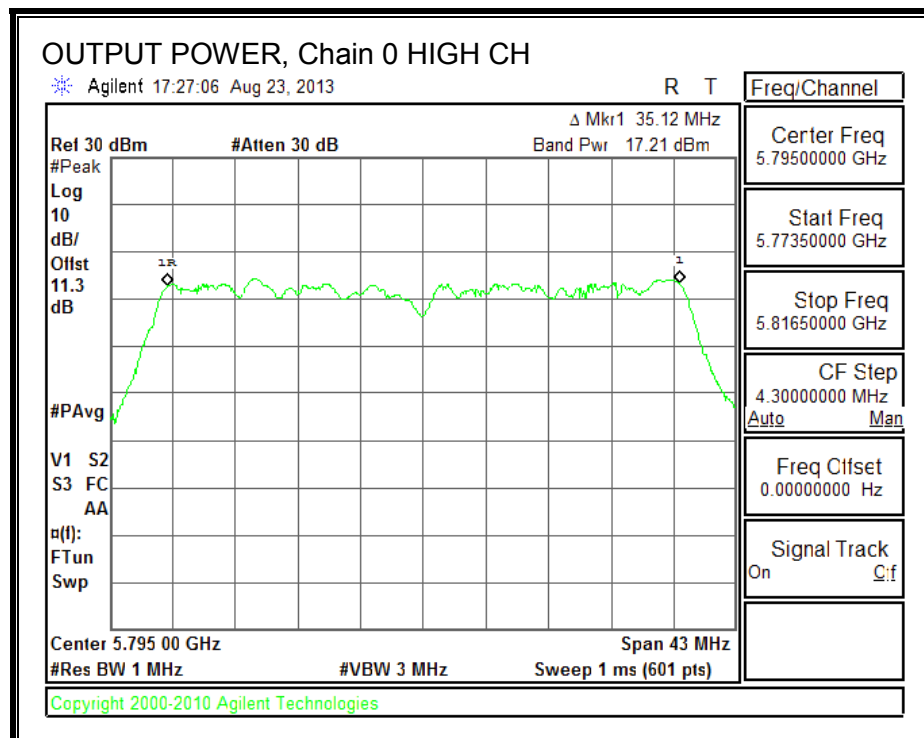
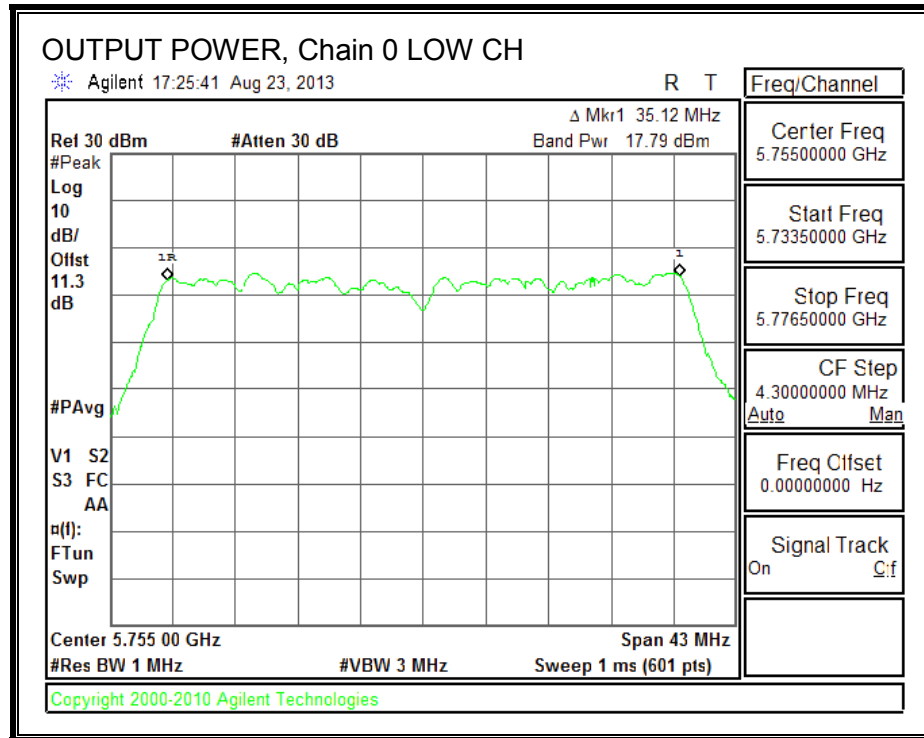
Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5755	3.56	30.00	30	36	30.00
High	5795	3.56	30.00	30	36	30.00

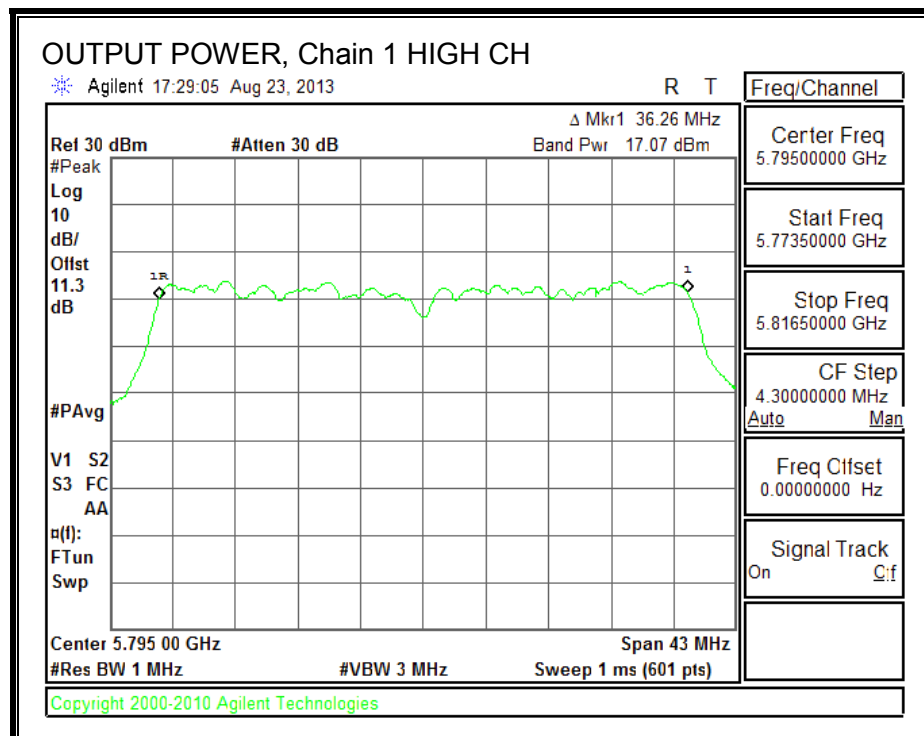
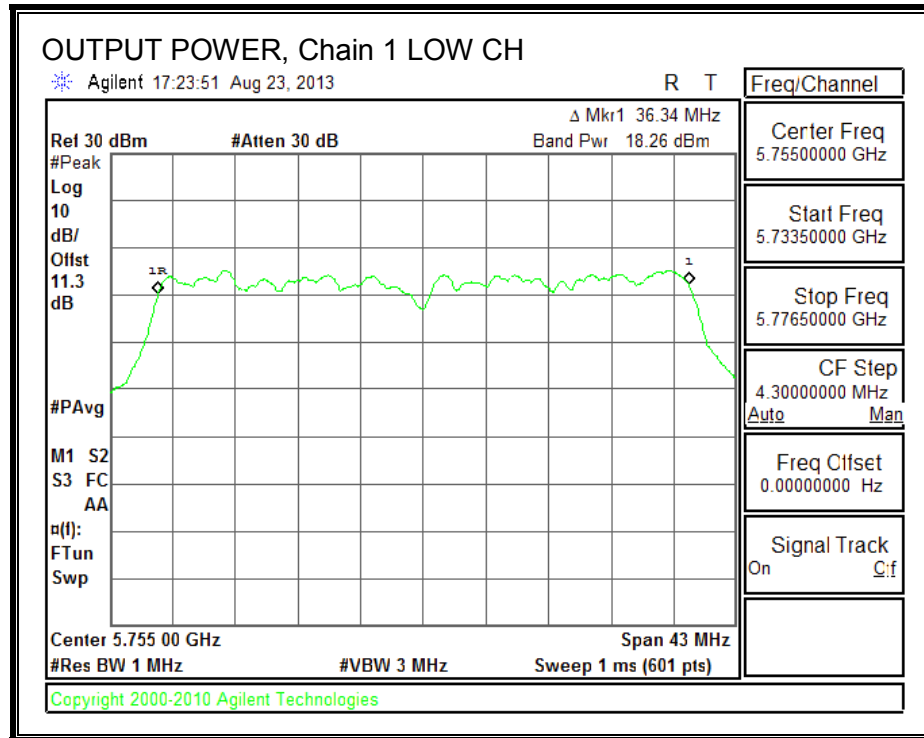
Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	5755	17.79	17.21	20.52	30.00	-9.48
High	5795	18.26	17.07	20.72	30.00	-9.28

OUTPUT POWER, Chain 0



OUTPUT POWER, Chain 1



8.7.5. PSD

LIMITS

FCC §15.247

IC RSS-210 A8.2

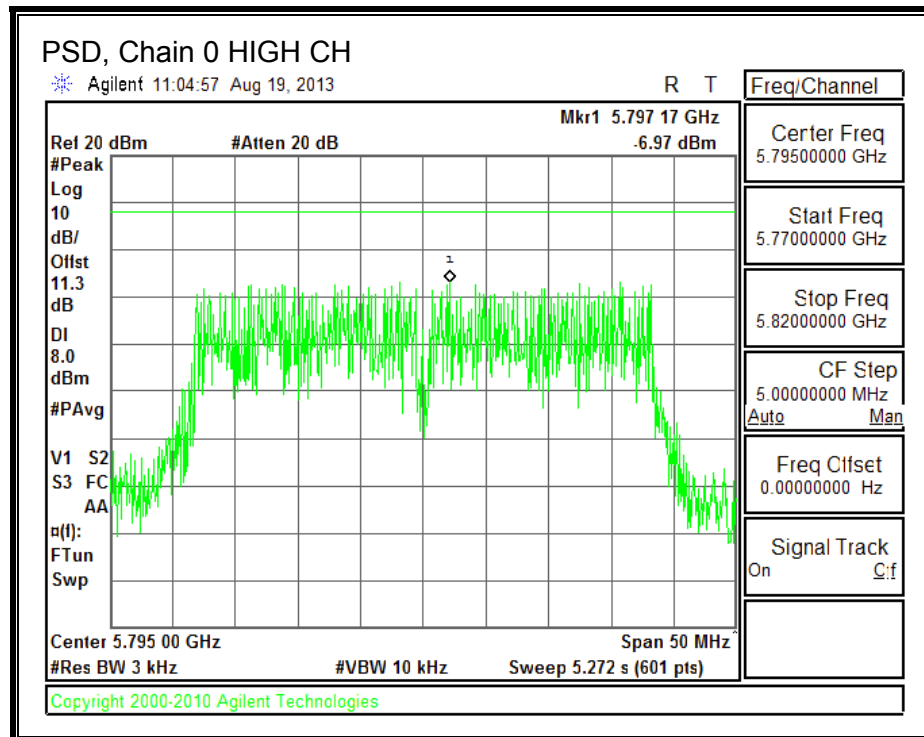
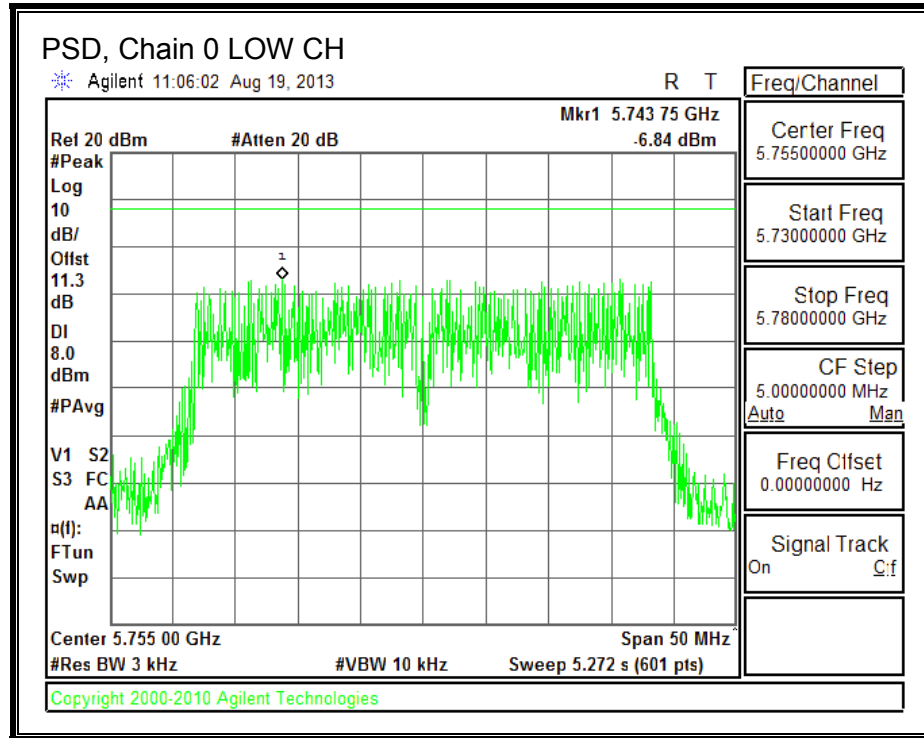
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS

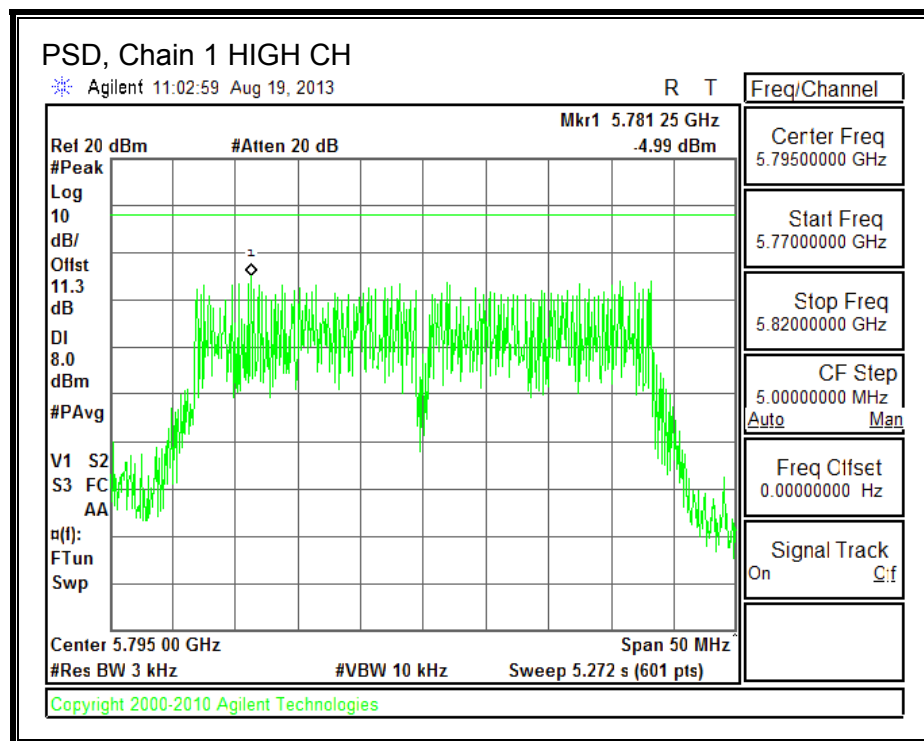
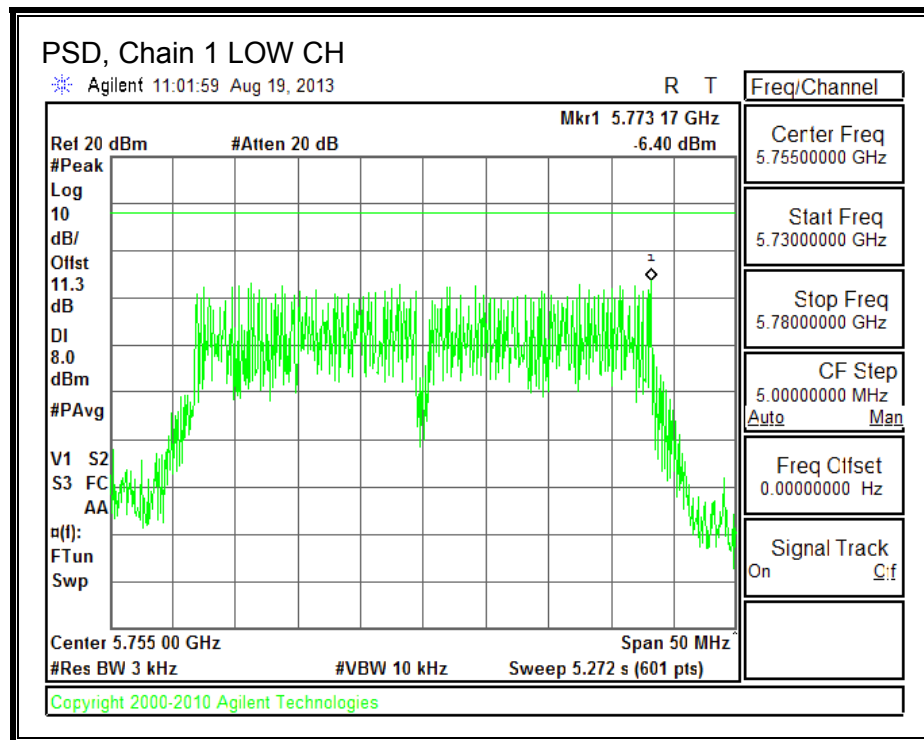
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Chain 1 Meas (dBm)	Total PSD (dBm)	Limit (dBm)	Margin (dB)
Low	5745	-6.84	-6.40	-3.60	8.0	-11.6
High	5825	-6.97	-4.99	-2.86	8.0	-10.9

PSD, Chain 0



PSD, Chain 1



8.7.6. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

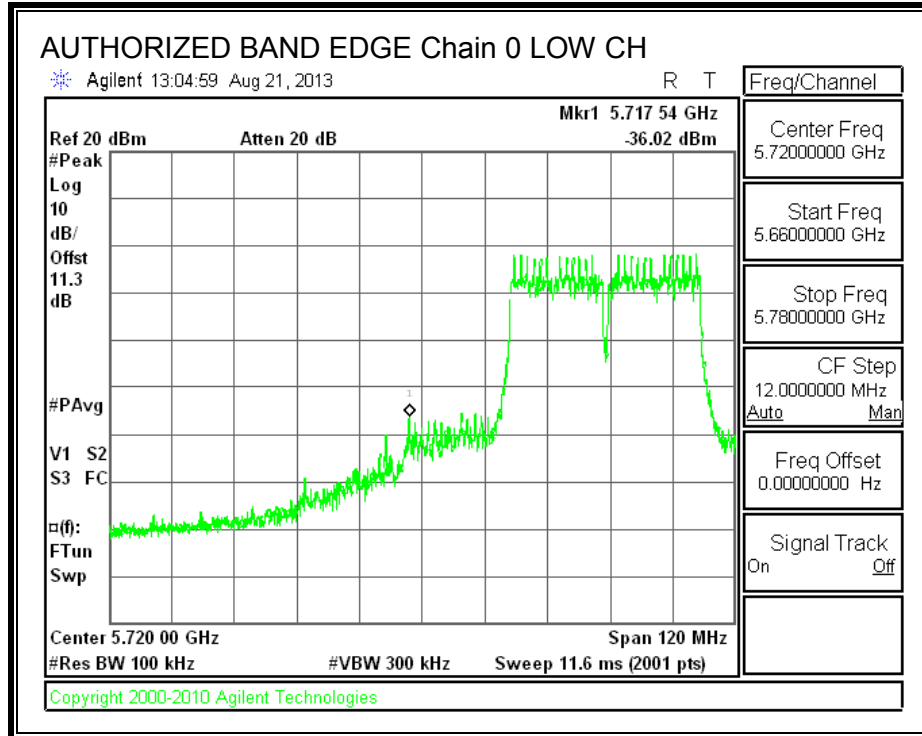
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

TEST PROCEDURE

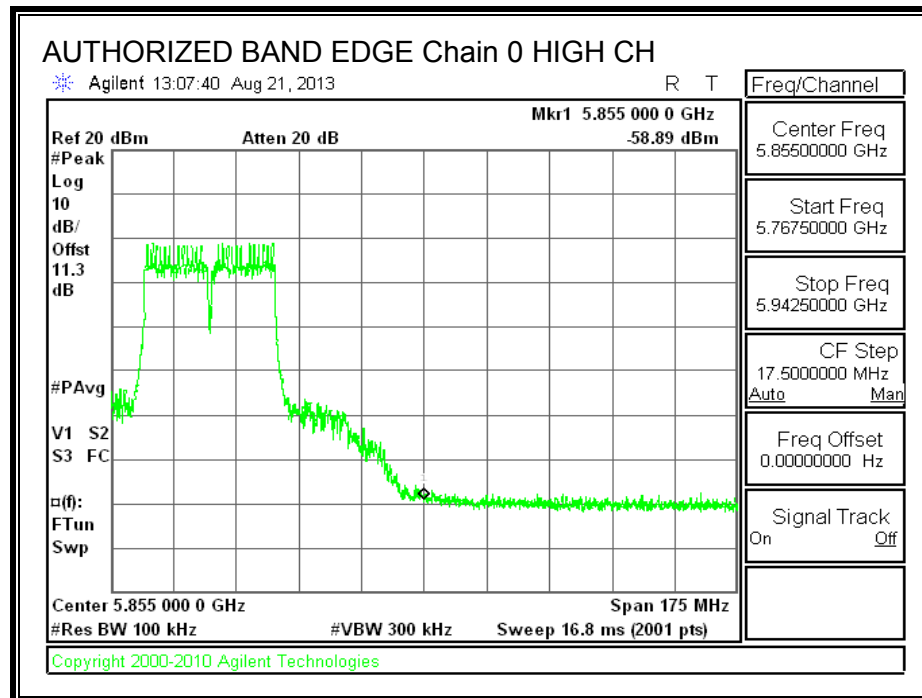
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

RESULTS

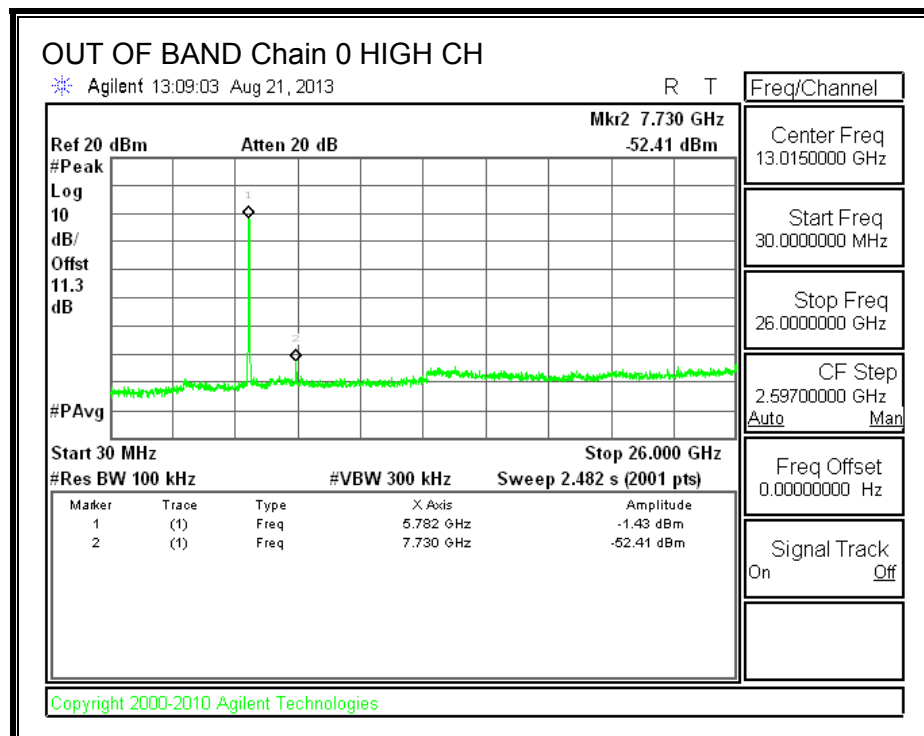
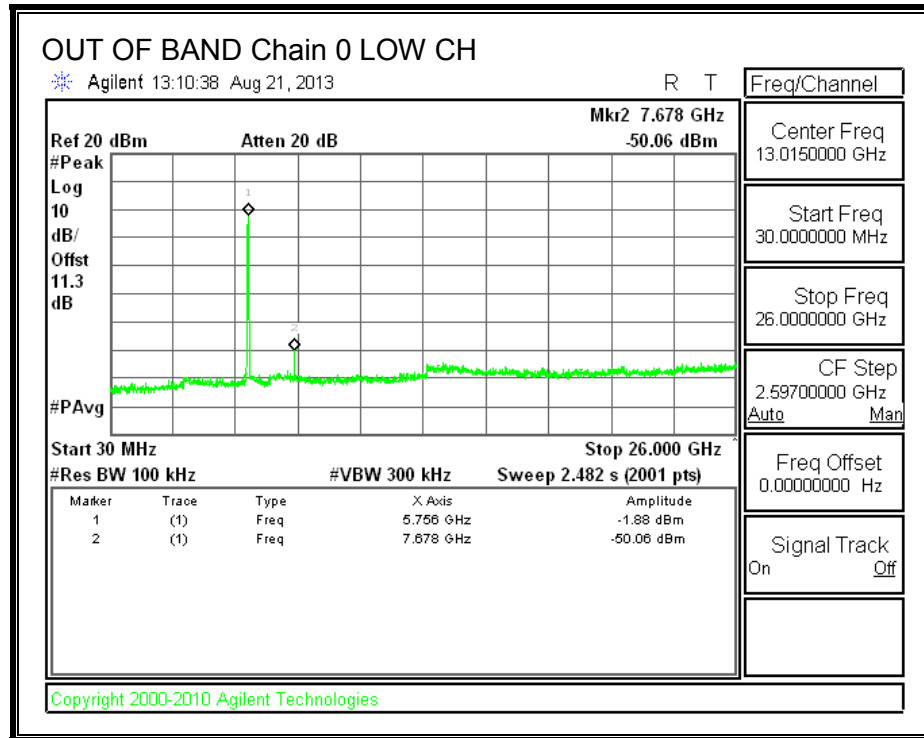
LOW CHANNEL BANDEDGE, Chain 0



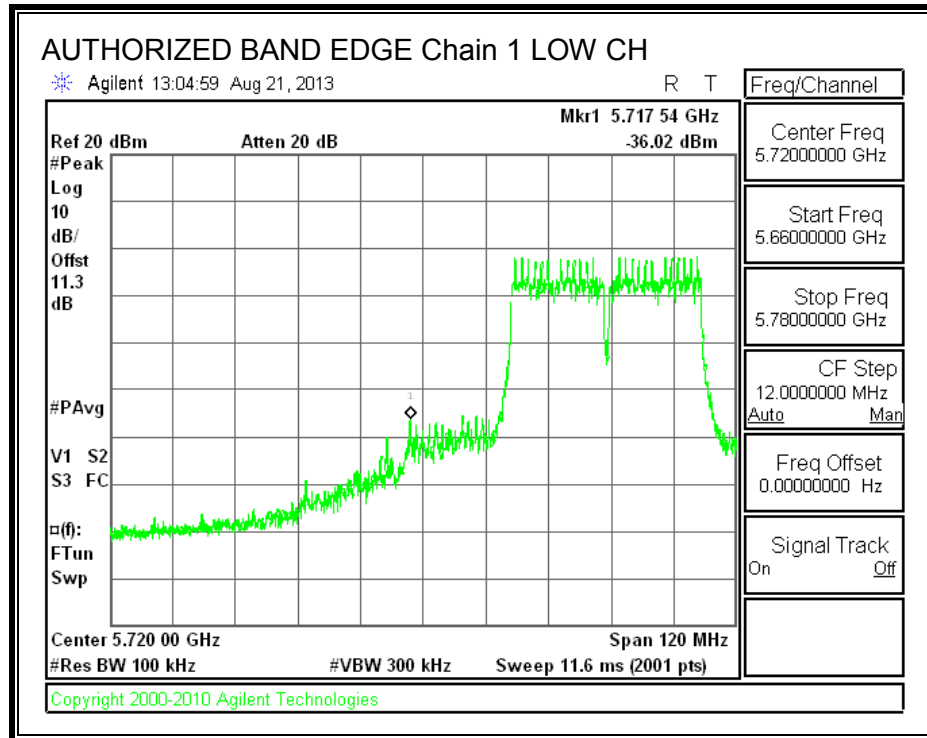
HIGH CHANNEL BANDEDGE, Chain 0



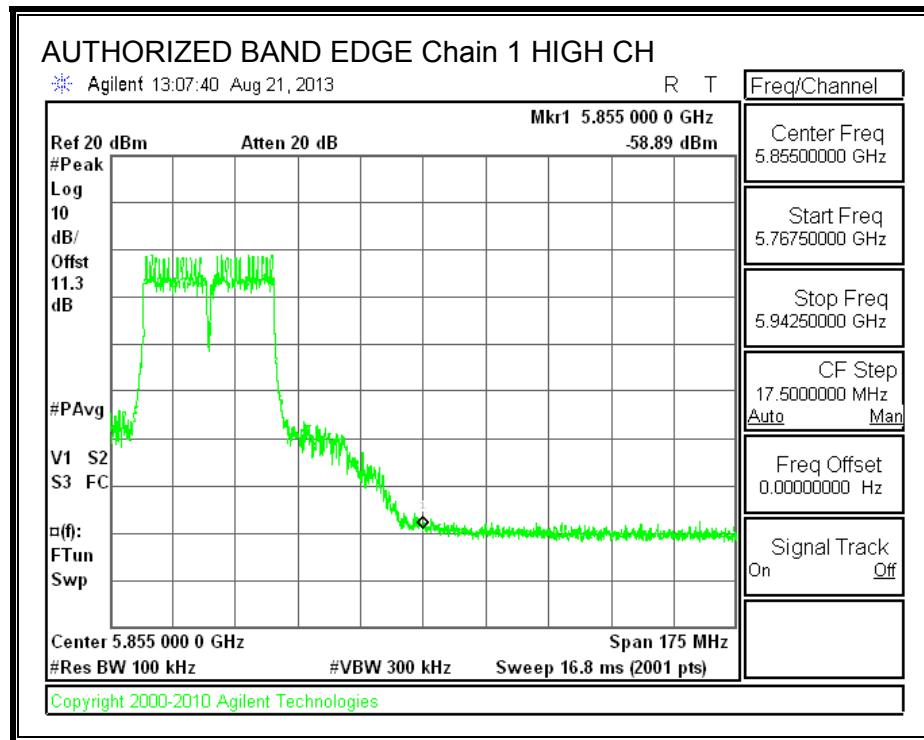
OUT-OF-BAND EMISSIONS, Chain 0



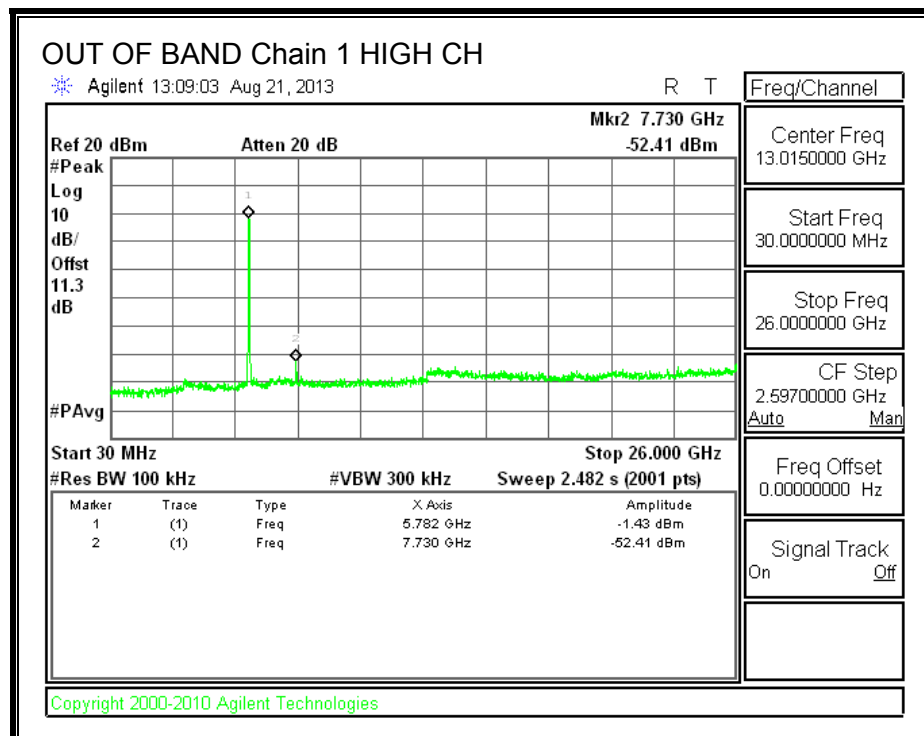
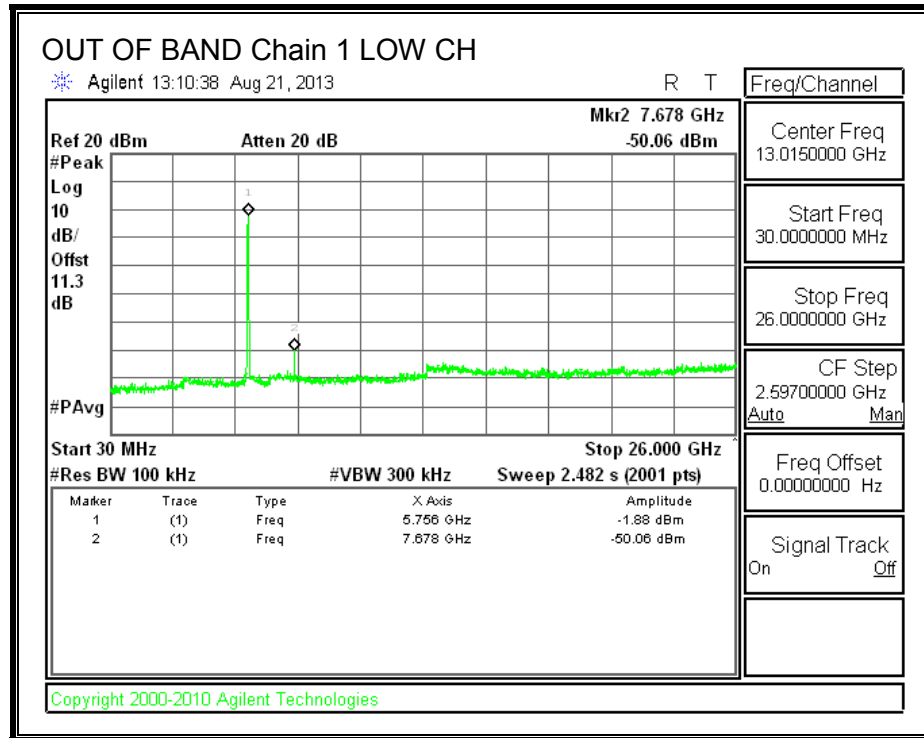
LOW CHANNEL BANDEDGE, Chain 1



HIGH CHANNEL BANDEDGE, Chain 1



OUT-OF-BAND EMISSIONS, Chain 1



9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC RSS-210 Clause 2.6 (Transmitter)

IC RSS-GEN Clause 6 (Receiver)

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.

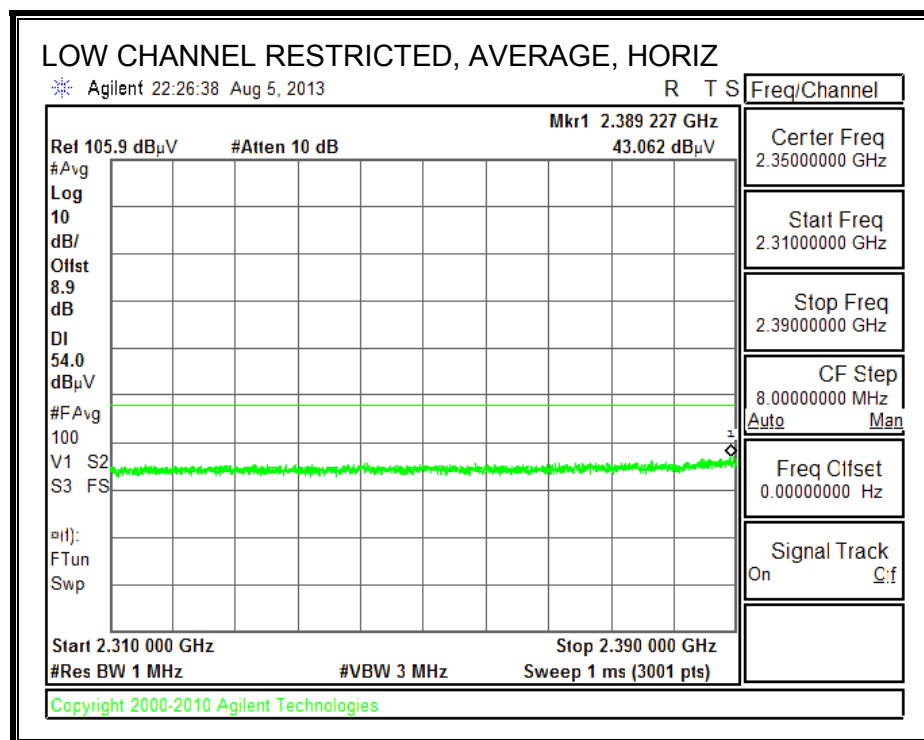
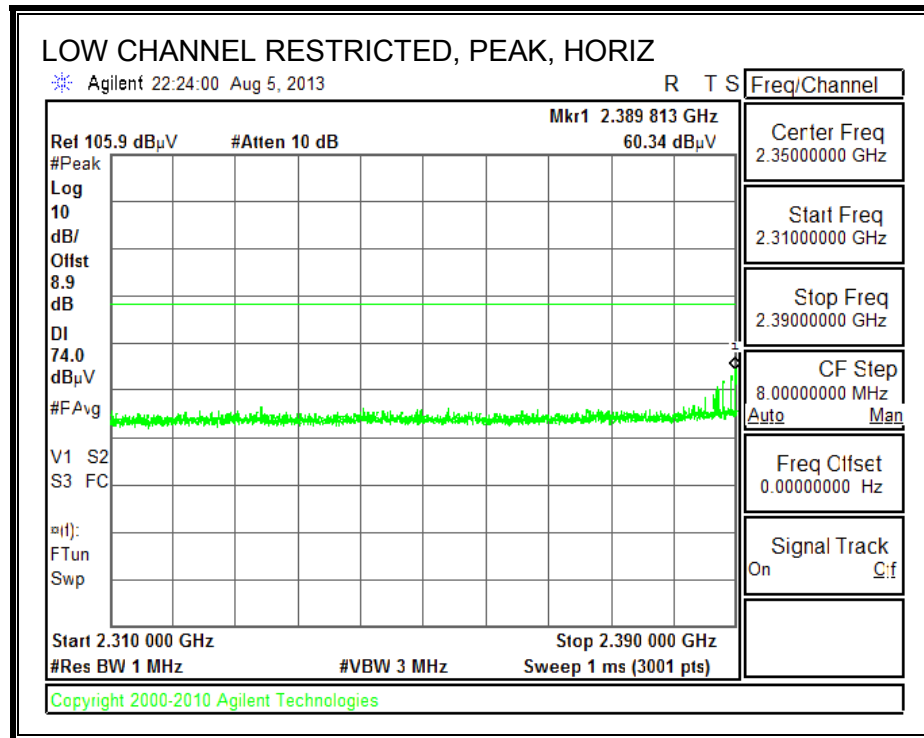
For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, video bandwidth is set to 3 MHz, then Peak detection mode is set for peak measurements and Avg detection mode is used for average measurements.

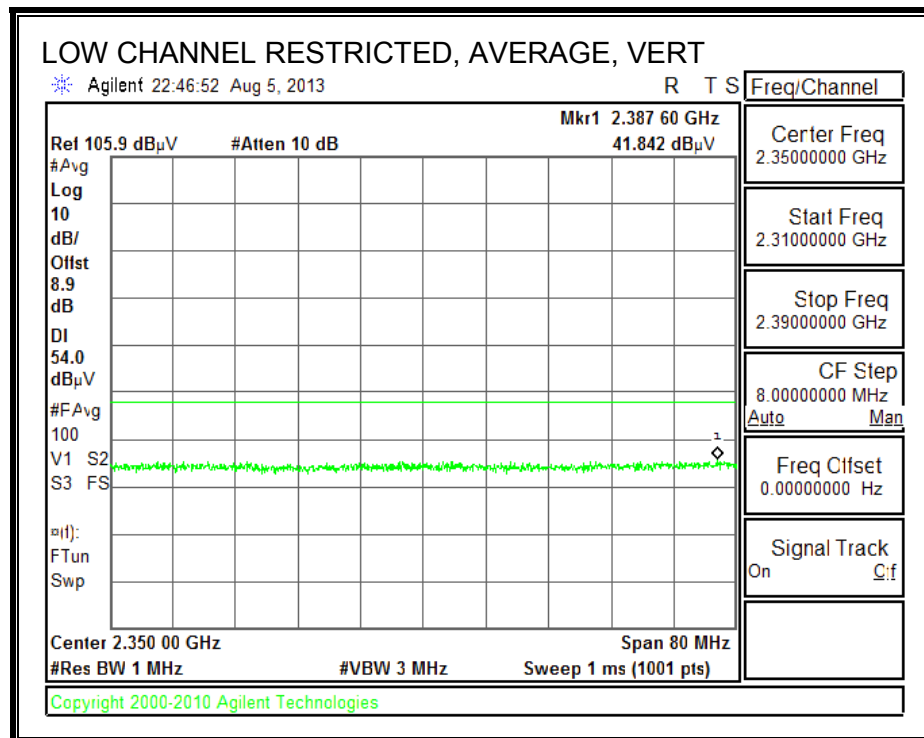
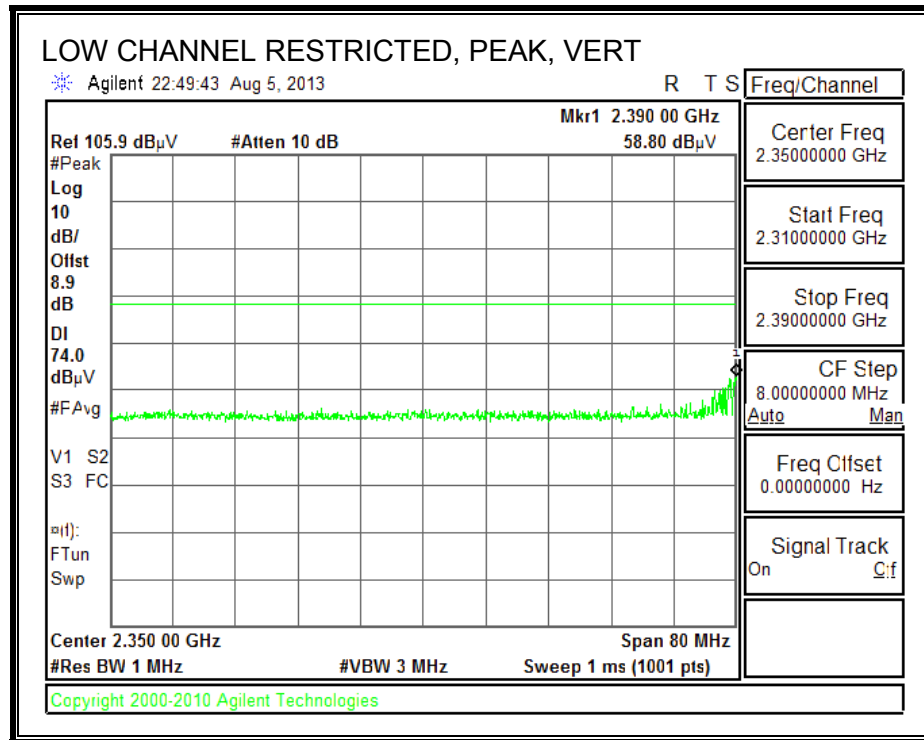
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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.

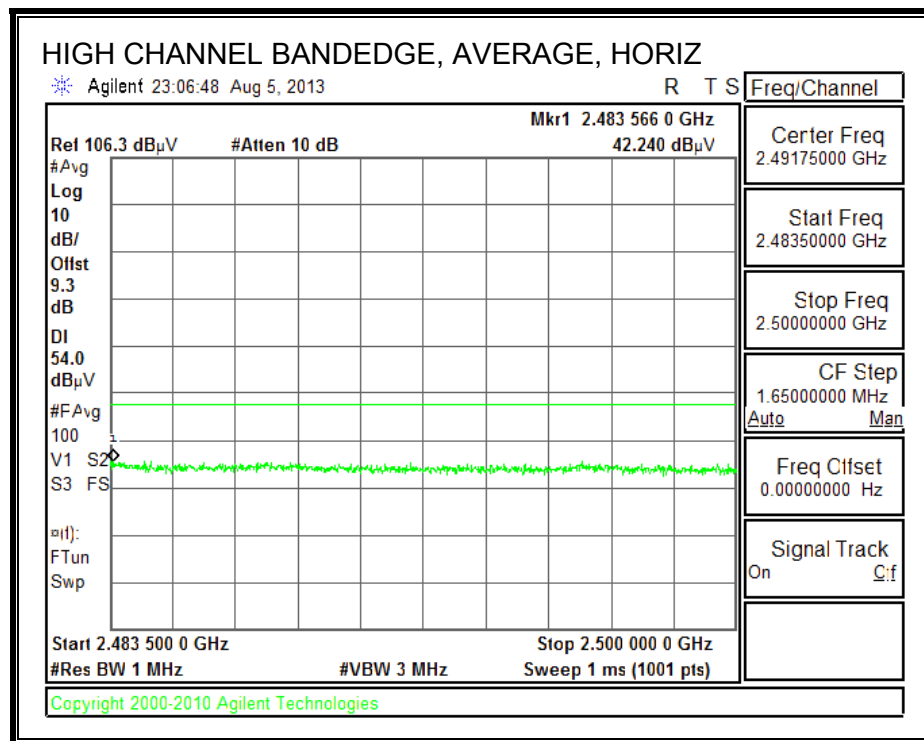
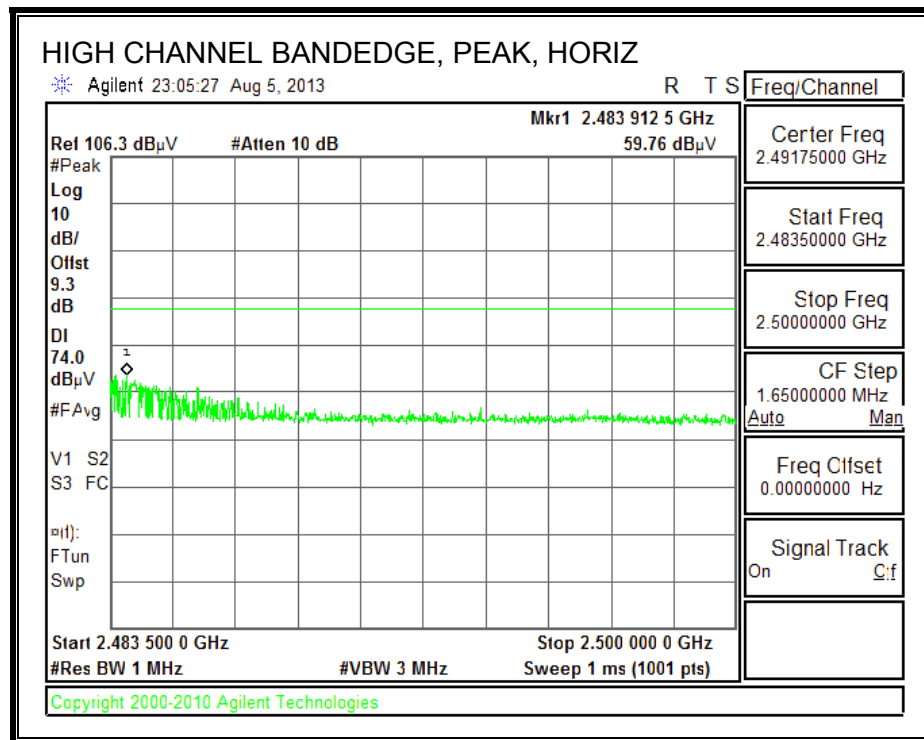
9.2. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

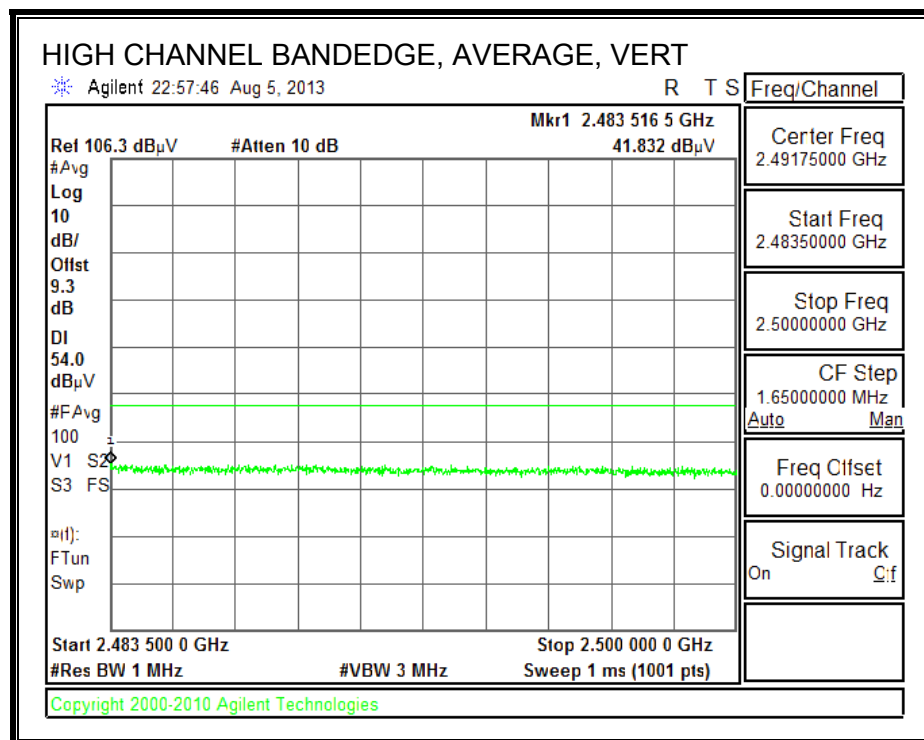
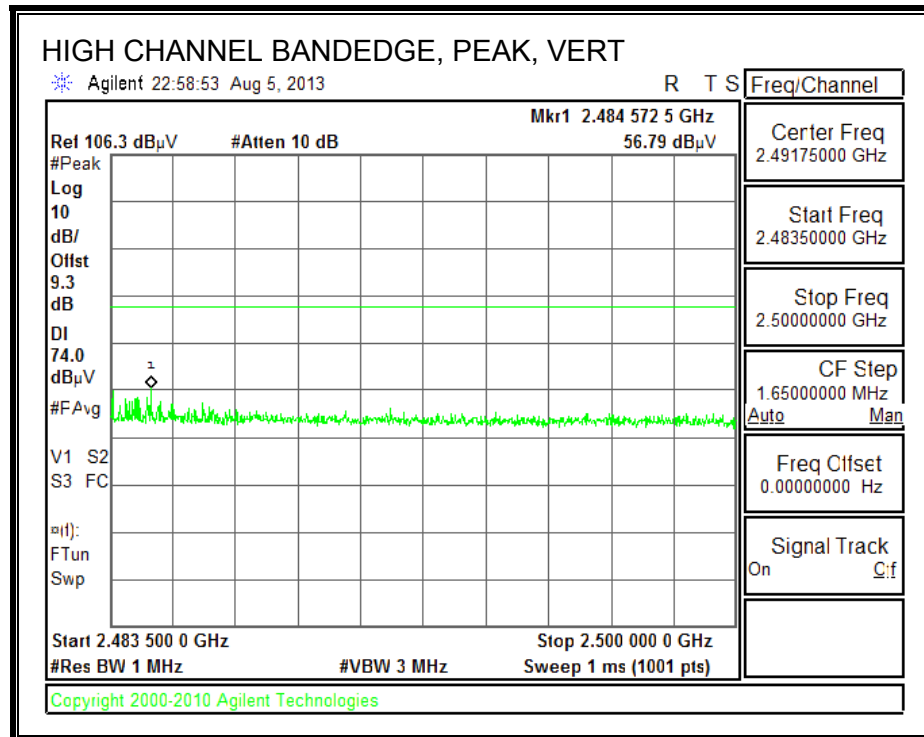
RESTRICTED BANDEDGE (LOW CHANNEL)





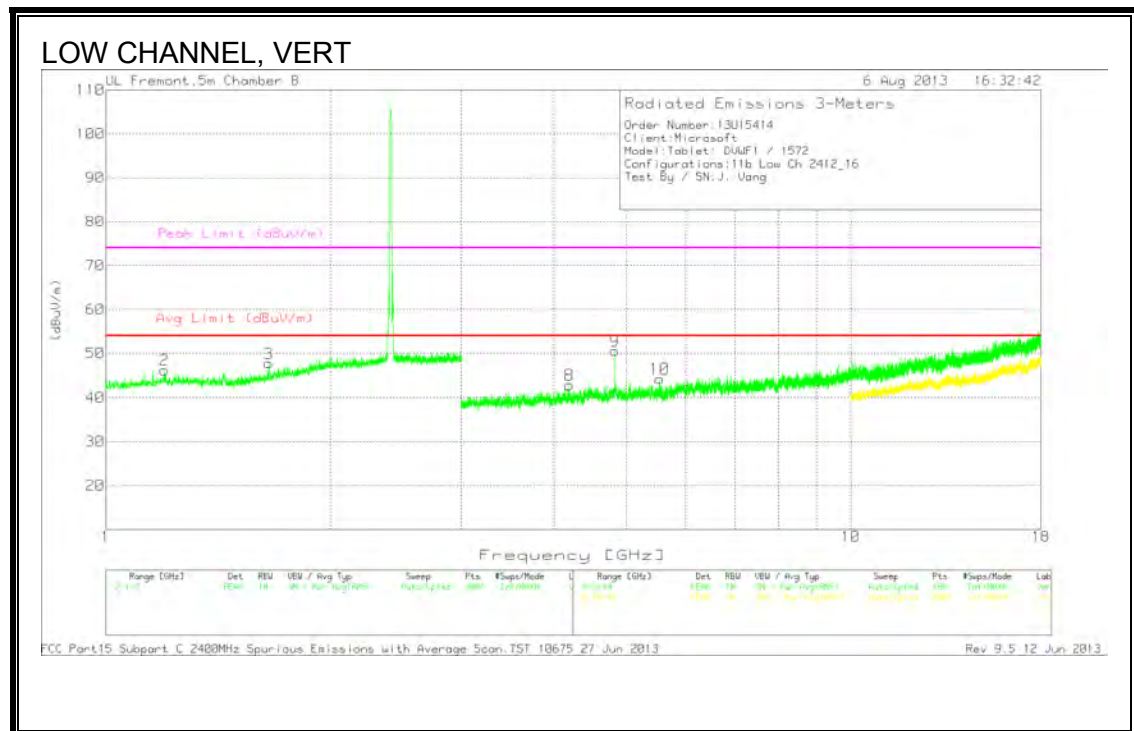
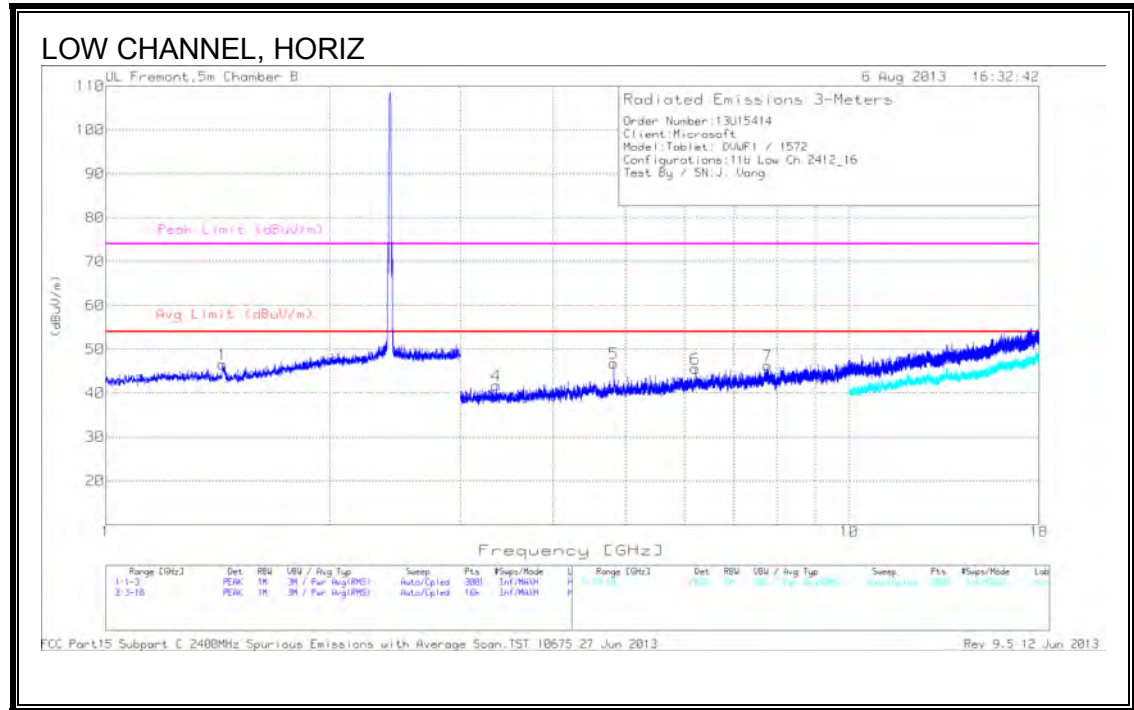
AUTHORIZED BANDEDGE (HIGH CHANNEL)





HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, 2412 MHz



LOW Channel DATA

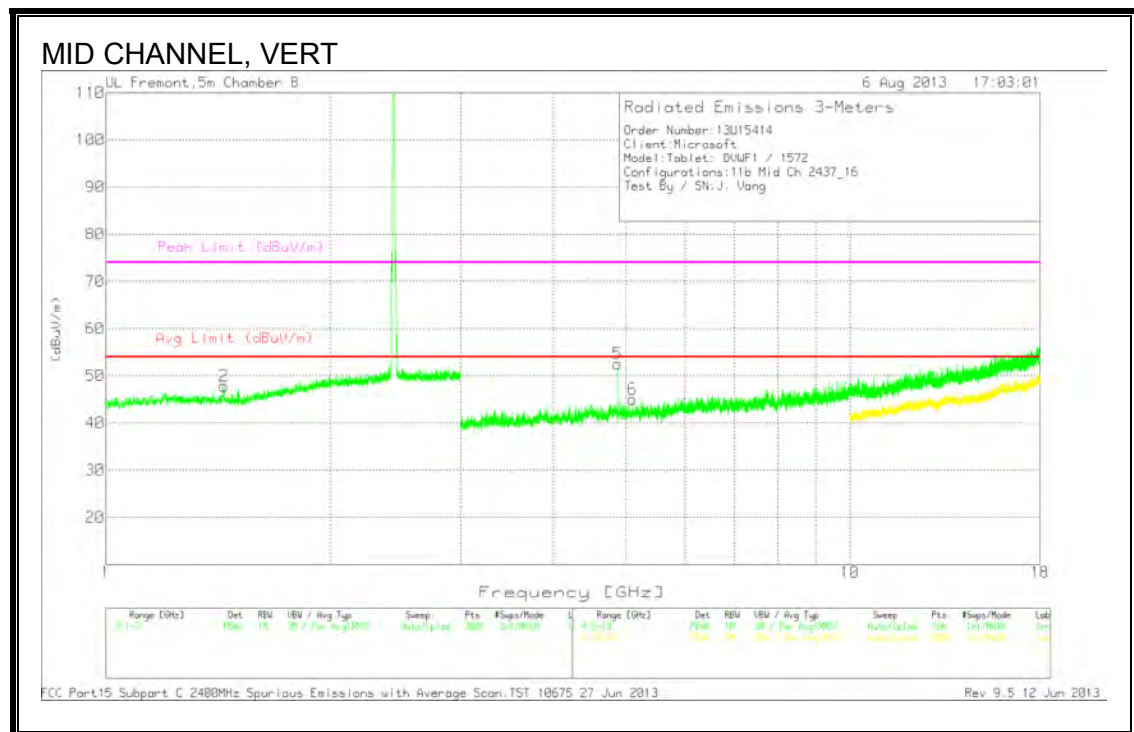
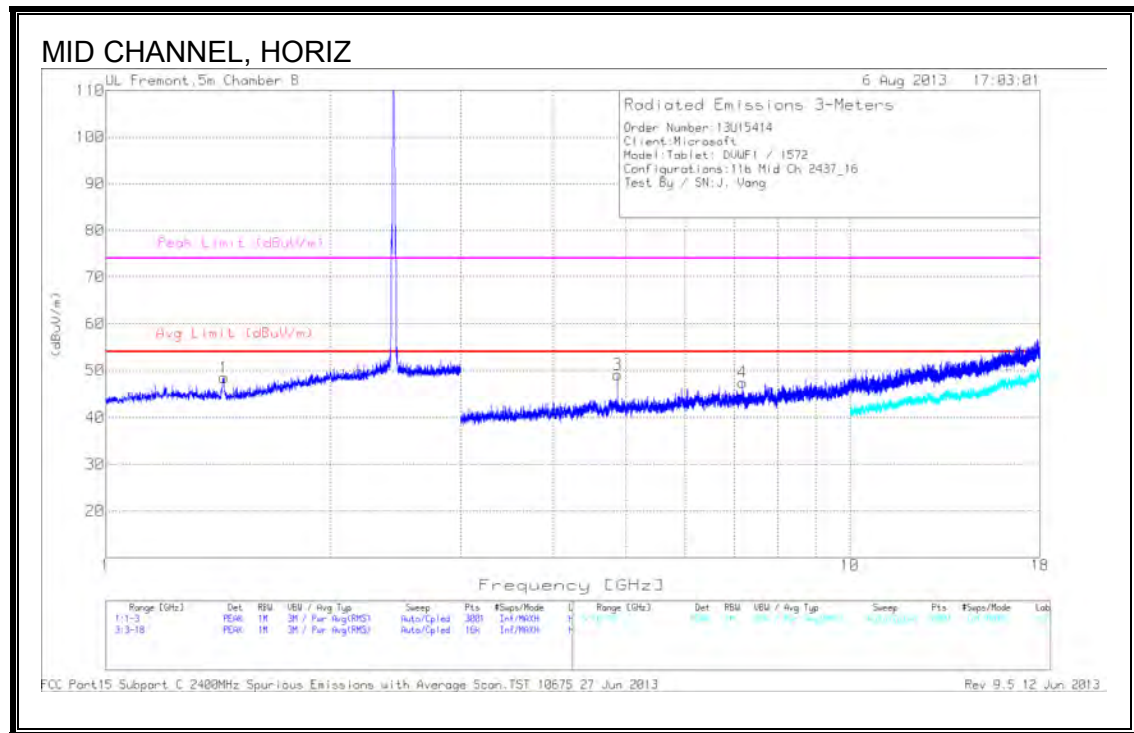
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.437	42.97	PK	28.3	-24.7	46.57	53.97	-7.4	74	-27.43	0-360	100	H
1.199	43.04	PK	28.4	-25.2	46.24	53.97	-7.73	74	-27.76	0-360	100	V
1.655	42.73	PK	29.4	-24.4	47.73	53.97	-6.24	74	-26.27	0-360	200	V
3.353	40.51	PK	33.3	-32.1	41.71	53.97	-12.26	74	-32.29	0-360	100	H
4.824	42.11	PK	34.7	-30	46.81	53.97	-7.16	74	-27.19	0-360	100	H
6.21	38.46	PK	36	-28.9	45.56	53.97	-8.41	74	-28.44	0-360	200	H
7.771	36.23	PK	36.2	-26.1	46.33	53.97	-7.64	74	-27.67	0-360	200	H
4.191	38.91	PK	34.1	-30.1	42.91	53.97	-11.06	74	-31.09	0-360	100	V
4.824	45.83	PK	34.7	-30	50.53	53.97	-3.44	74	-23.47	0-360	100	V
5.54	39.92	PK	34.9	-30.5	44.32	53.97	-9.65	74	-29.68	0-360	200	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4.824	44.57	Av	34.7	-30	49.27	53.97	-4.7	-	-	4	100	V

PK - Peak detector

Av - Average detection

MID CHANNEL, 2437 MHz



MID Channel DATA

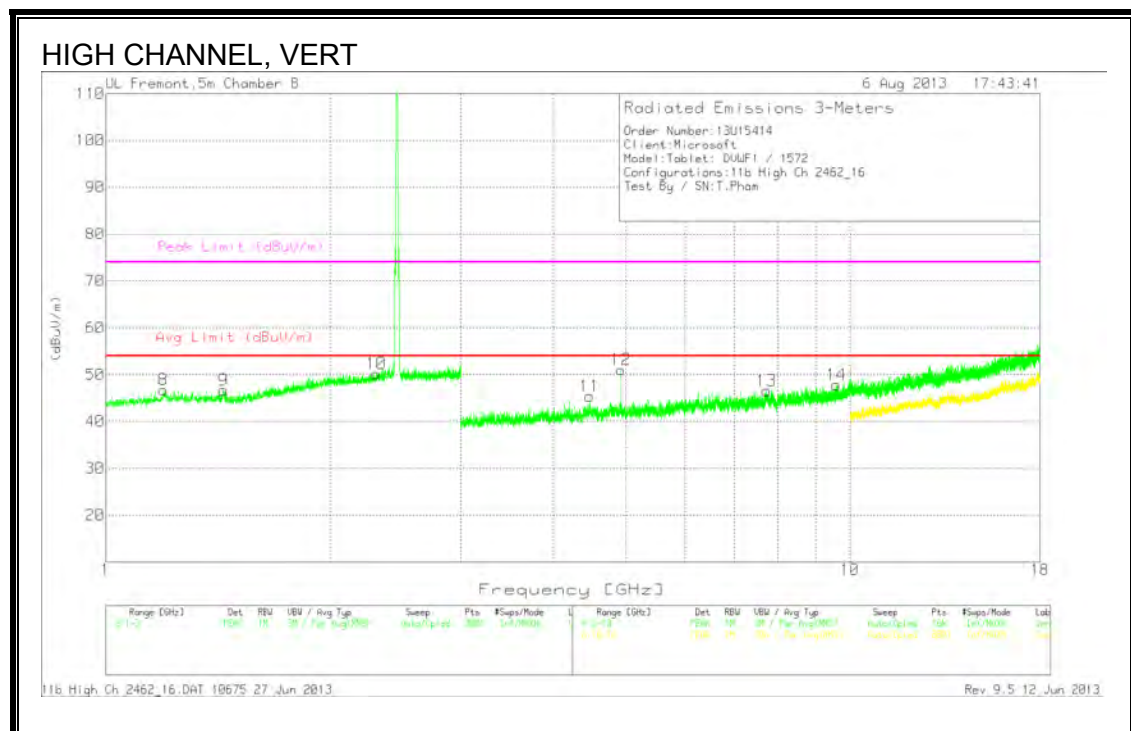
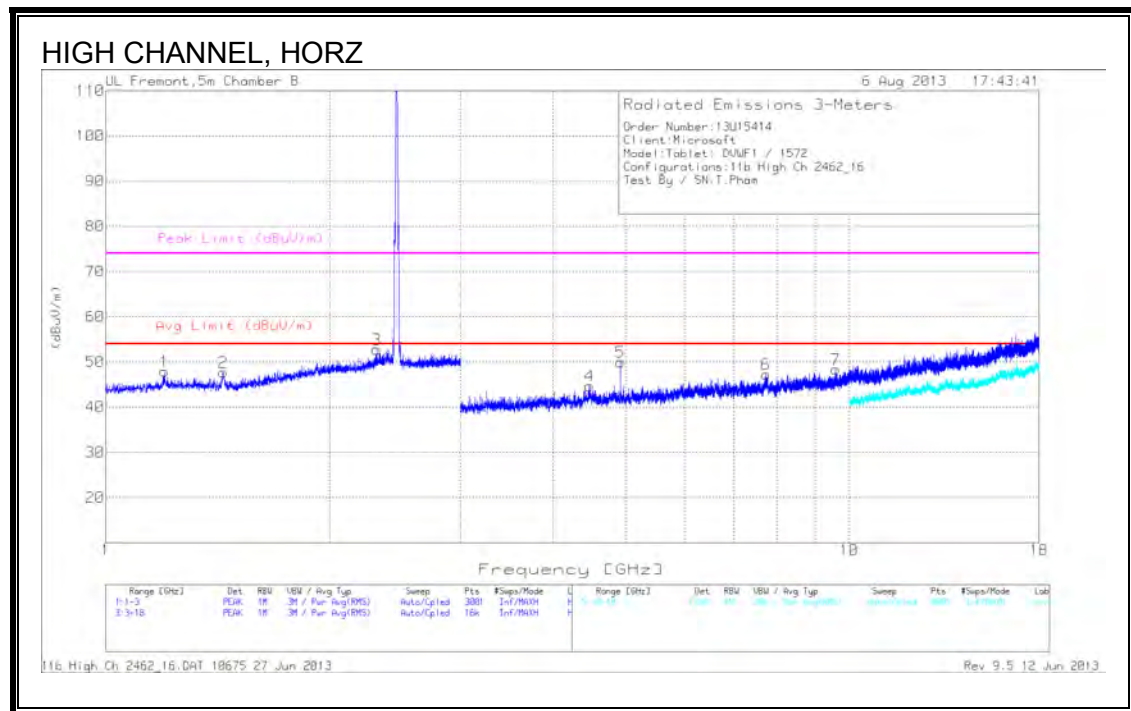
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.442	44.96	PK	28.3	-24.8	48.46	53.97	-5.51	74	-25.54	0-360	100	H
1.443	44.32	PK	28.3	-24.8	47.82	53.97	-6.15	74	-26.18	0-360	200	V
4.874	45.4	PK	34.7	-31	49.1	53.97	-4.87	74	-24.9	0-360	100	H
7.17	39.5	PK	35.8	-27.9	47.4	53.97	-6.57	74	-26.6	0-360	100	H
4.874	48.82	PK	34.7	-31	52.52	53.97	-1.45	74	-21.48	0-360	100	V
5.107	39.51	PK	34.7	-29.2	45.01	53.97	-8.96	74	-28.99	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.44	29.95	Av	28.3	-24.8	33.45	53.97	-20.52	-	-	0	199	H
4.874	43.72	Av	34.7	-31	47.42	53.97	-6.55	-	-	154	114	H
4.874	46.25	Av	34.7	-31	49.95	53.97	-4.02	-	-	6	138	V

PK - Peak detector

Av - Average detection

HIGH CHANNEL, 2462 MHz



HIGH CHANNEL DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.2	44.7	PK	28.4	-25.2	47.9	53.97	-6.07	74	-26.1	0-360	100	H
1.439	44.24	PK	28.3	-24.8	47.74	53.97	-6.23	74	-26.26	0-360	100	H
2.315	43.95	PK	32.2	-23.4	52.75	53.97	-1.22	74	-21.25	0-360	100	H
1.195	43.75	PK	28.3	-25.3	46.75	53.97	-7.22	74	-27.25	0-360	100	V
1.439	43.17	PK	28.3	-24.8	46.67	53.97	-7.3	74	-27.33	0-360	100	V
2.309	41.39	PK	32.2	-23.4	50.19	53.97	-3.78	74	-23.81	0-360	200	V
4.478	39.38	PK	34.5	-29.2	44.68	53.97	-9.29	74	-29.32	0-360	200	H
4.924	46.65	PK	34.6	-31.3	49.95	53.97	-4.02	74	-24.05	0-360	100	H
7.732	36.78	PK	36.2	-25.7	47.28	53.97	-6.69	74	-26.72	0-360	200	H
9.591	34.88	PK	37.3	-23.8	48.38	53.97	-5.59	74	-25.62	0-360	100	H
4.469	40.08	PK	34.5	-29.2	45.38	53.97	-8.59	74	-28.62	0-360	200	V
4.924	47.76	PK	34.6	-31.3	51.06	53.97	-2.91	74	-22.94	0-360	100	V
7.725	35.78	PK	36.2	-25.4	46.58	53.97	-7.39	74	-27.42	0-360	200	V
9.588	34.33	PK	37.3	-23.8	47.83	53.97	-6.14	74	-26.17	0-360	200	V

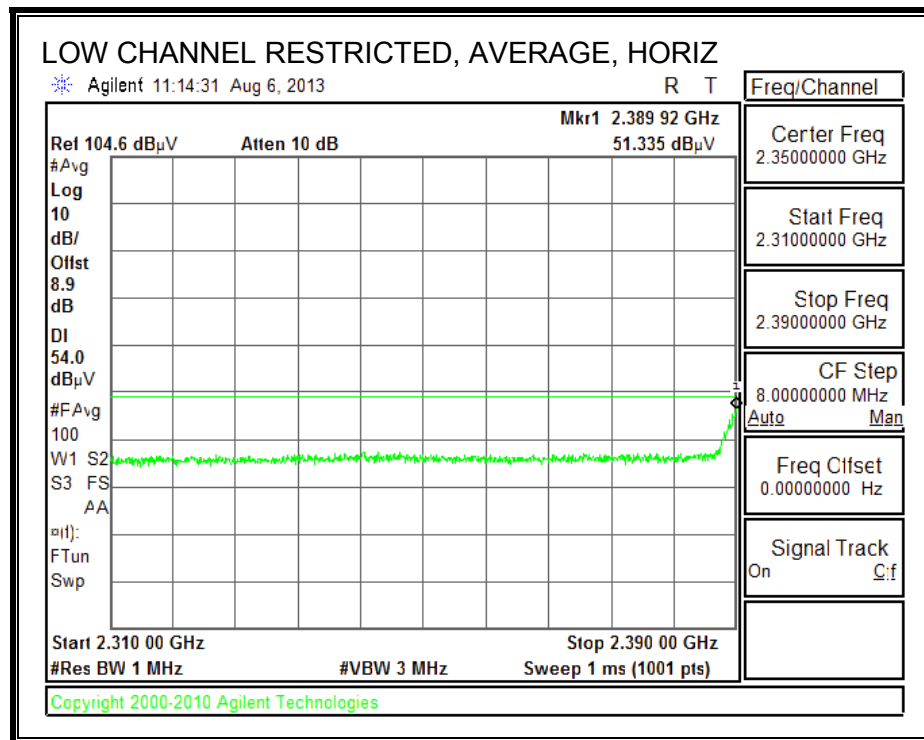
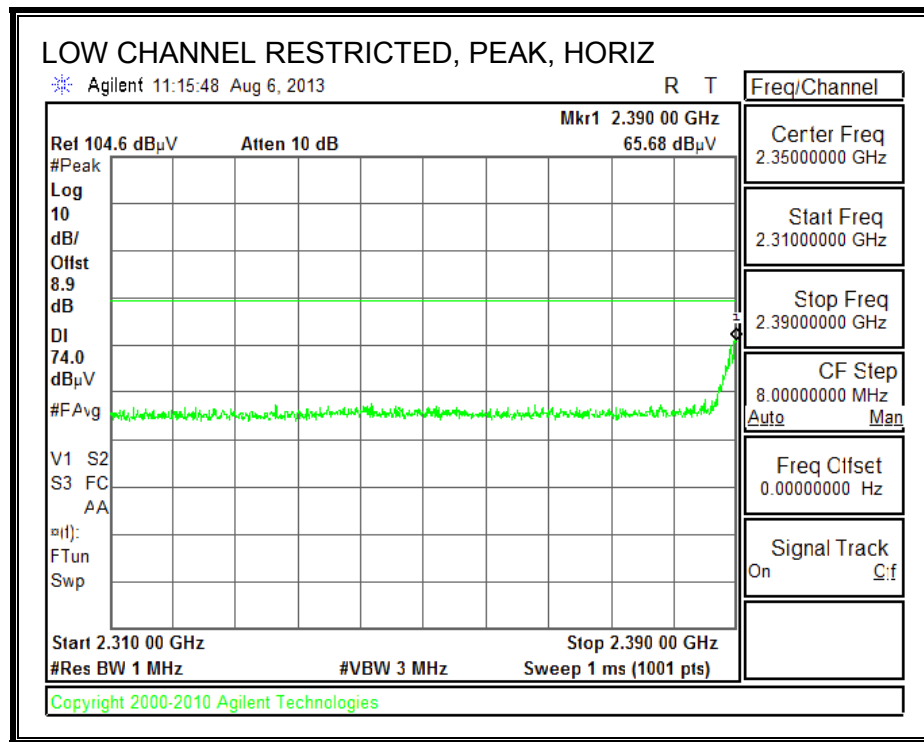
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.315	31.09	Av	32.2	-23.4	39.89	53.97	-14.08	-	-	205	388	H
2.307	30.68	Av	32.2	-23.4	39.48	53.97	-14.49	-	-	143	122	V
4.918	29.87	Av	34.6	-31.4	33.07	53.97	-20.9	-	-	126	392	H
9.586	24.03	Av	37.3	-23.8	37.53	53.97	-16.44	-	-	325	388	H
4.924	32.17	Av	34.6	-31.3	35.47	53.97	-18.5	-	-	338	148	V

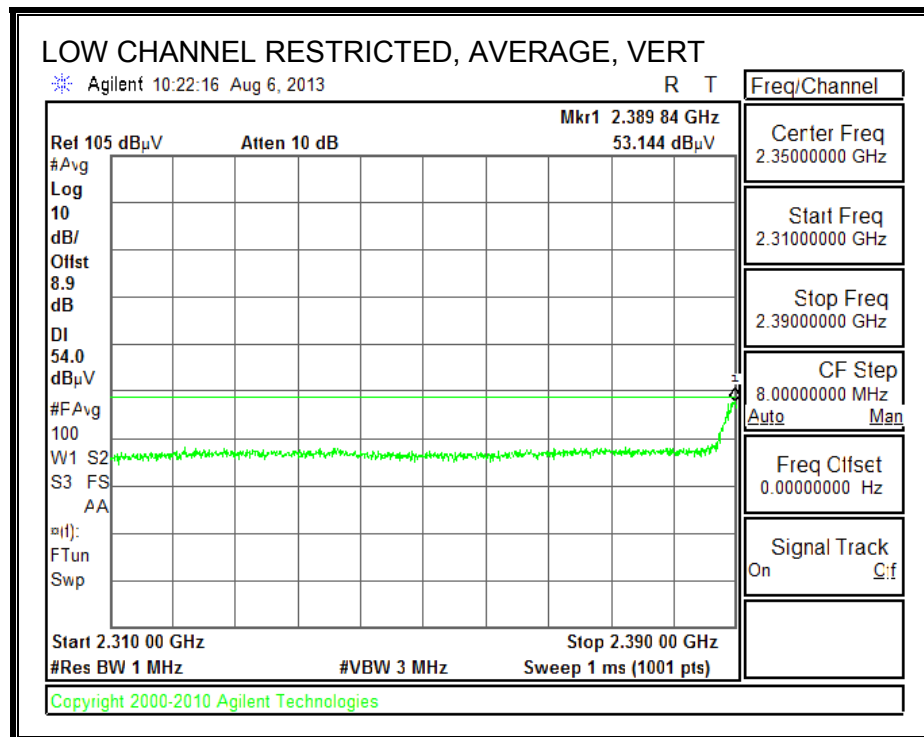
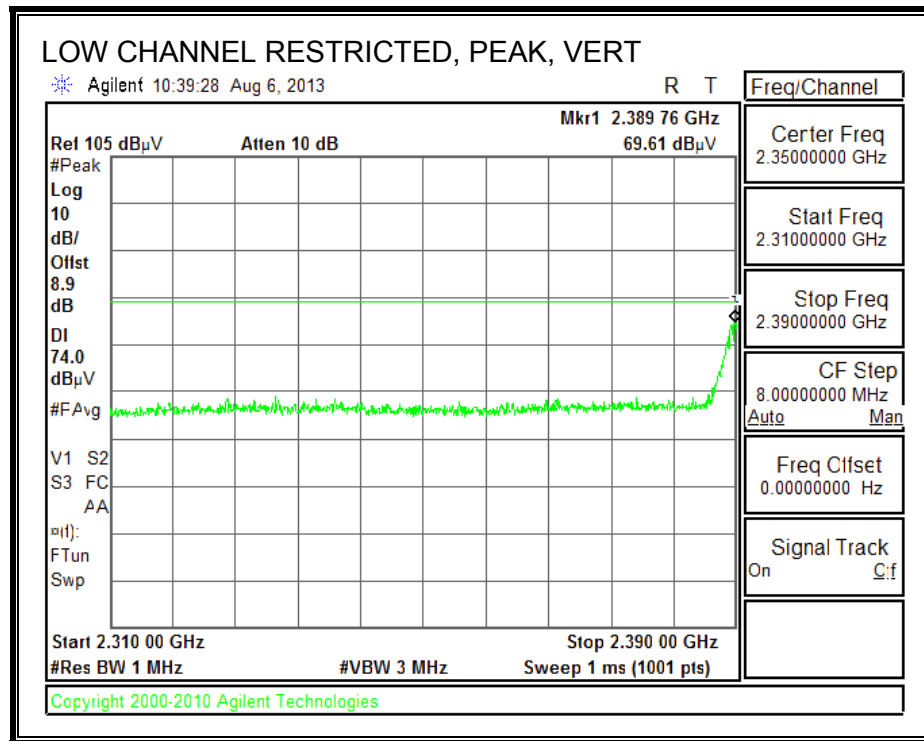
PK - Peak detector

Av – Average detection

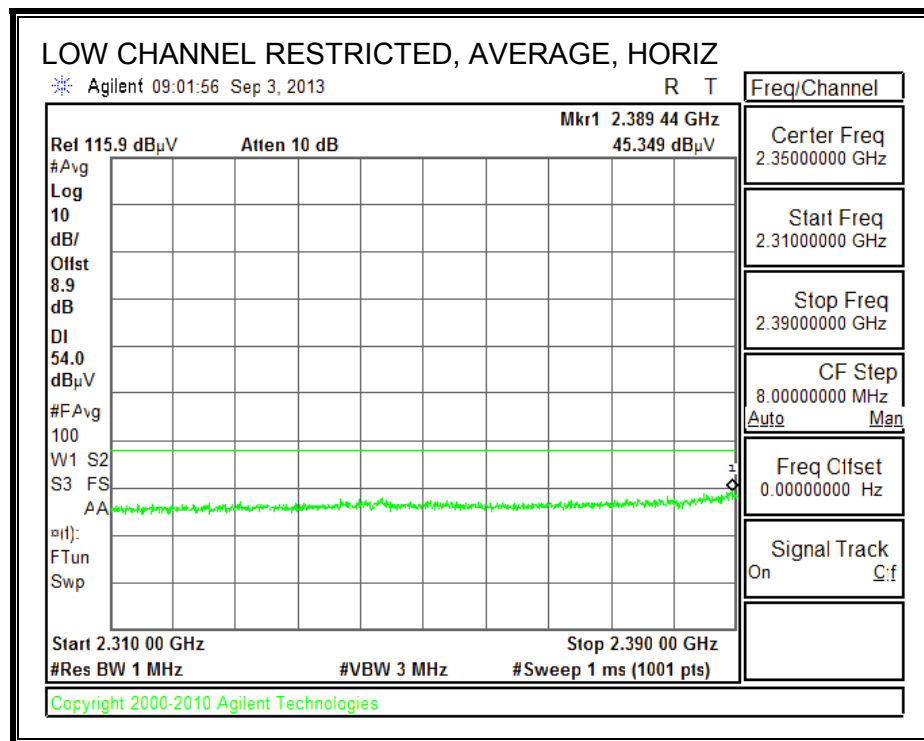
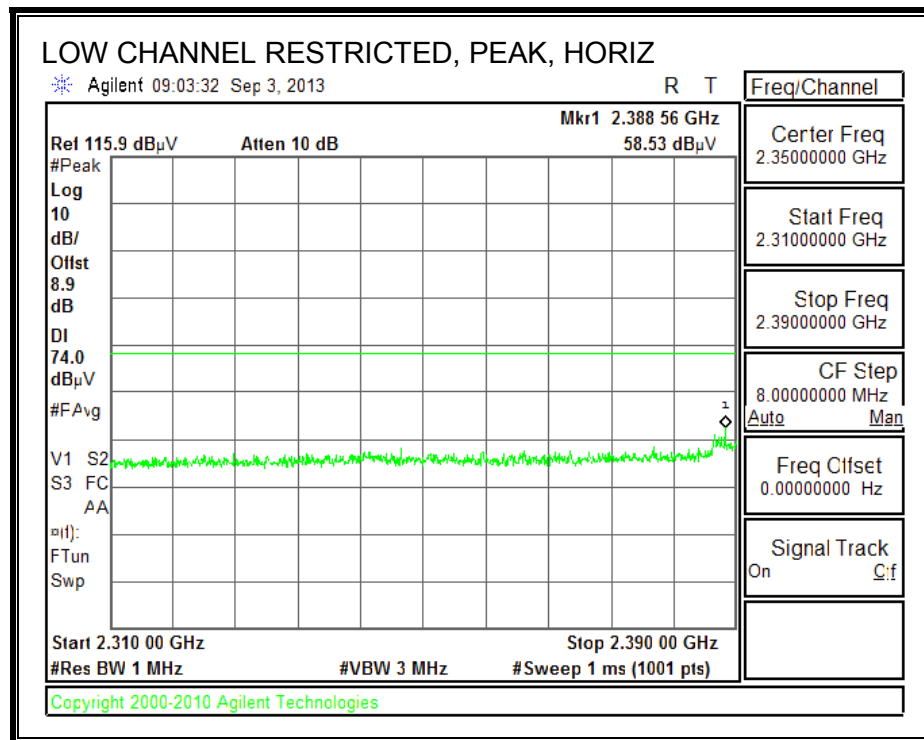
9.3. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

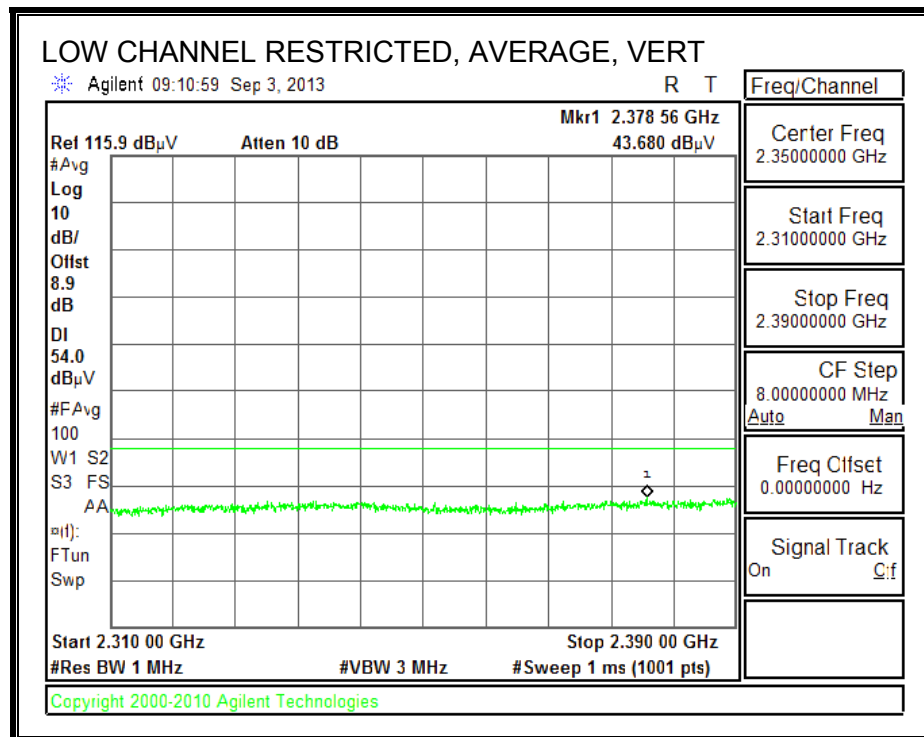
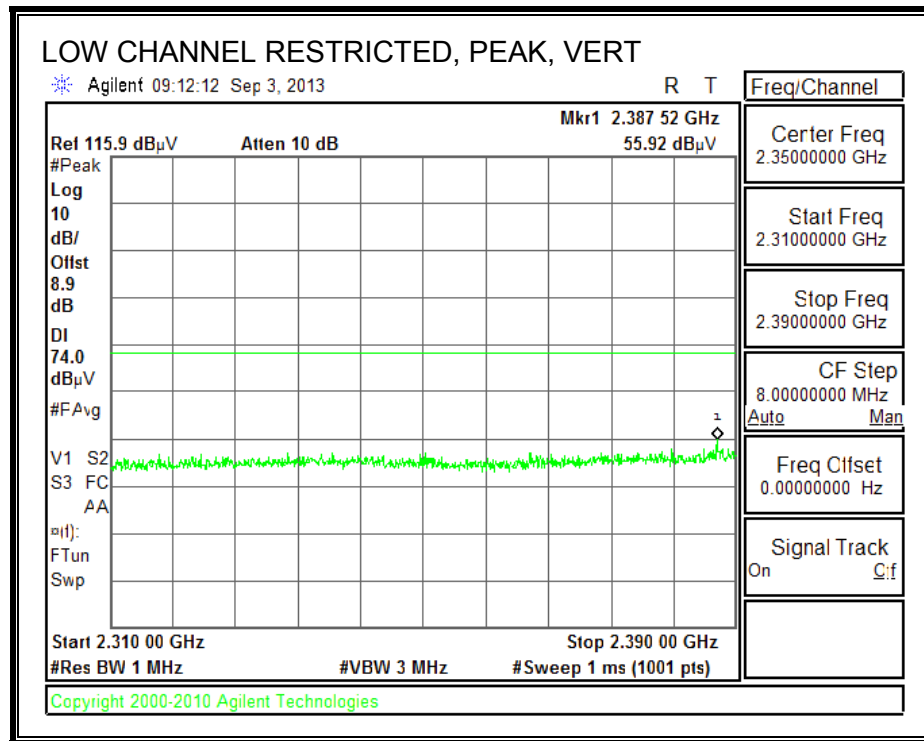
RESTRICTED BANDEDGE (LOW CHANNEL 1, 2412 MHz)



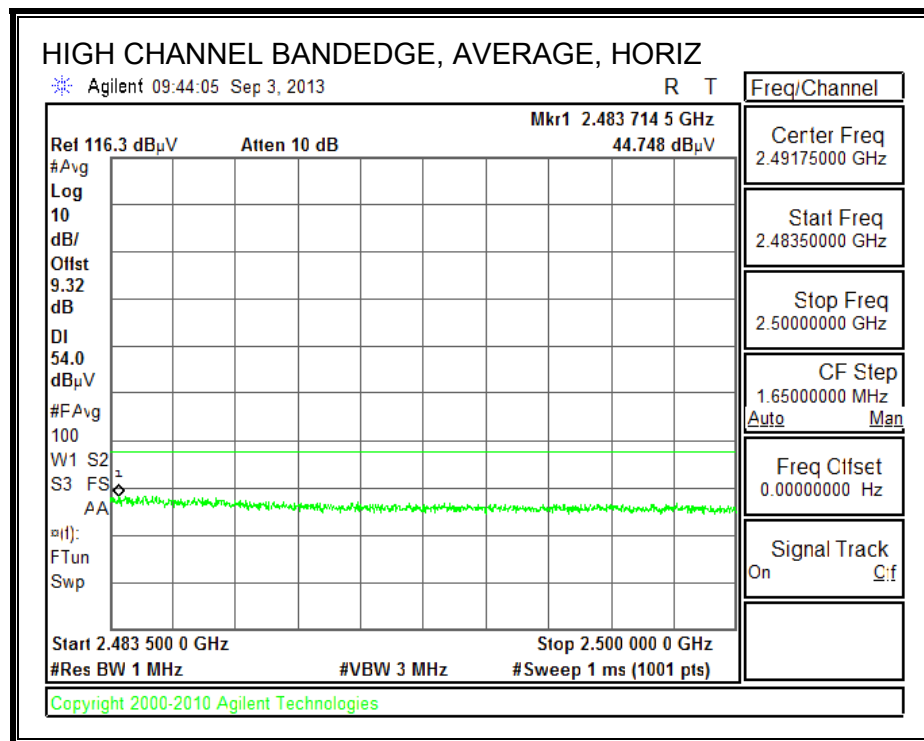
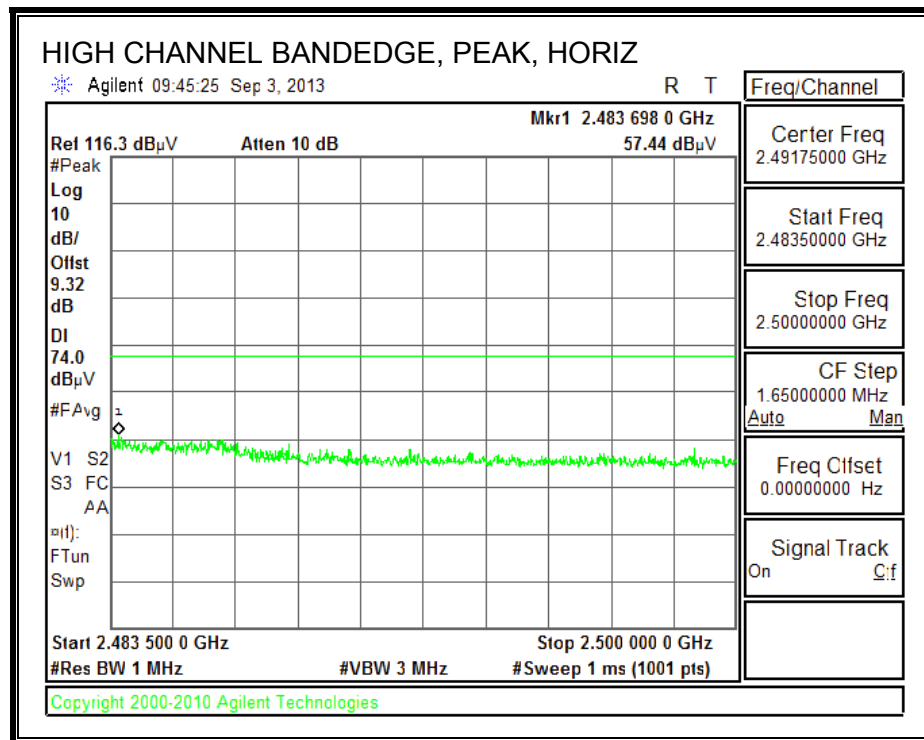


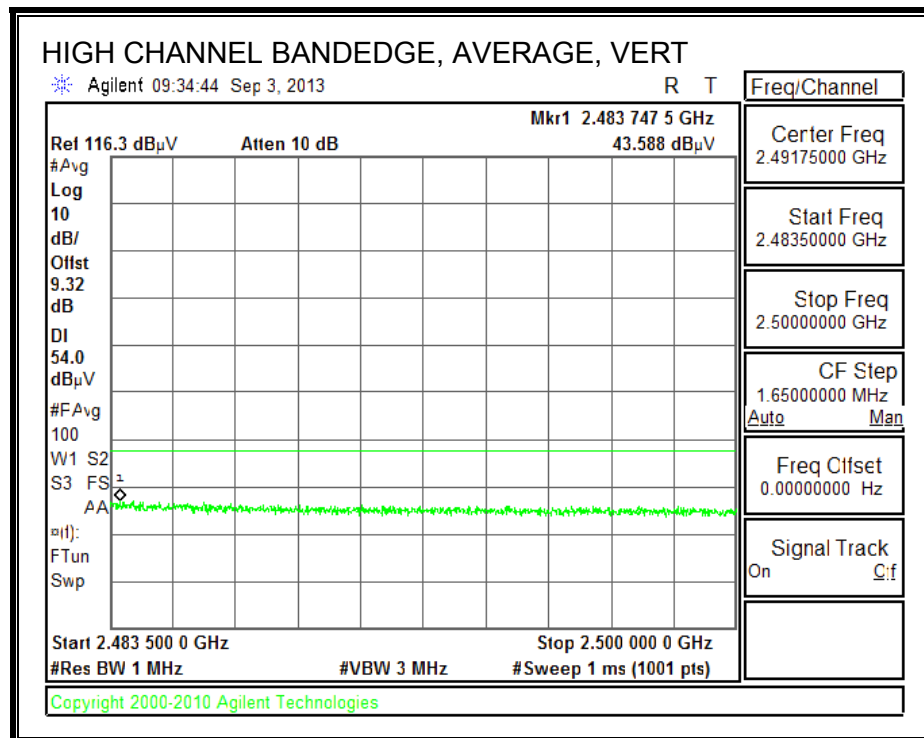
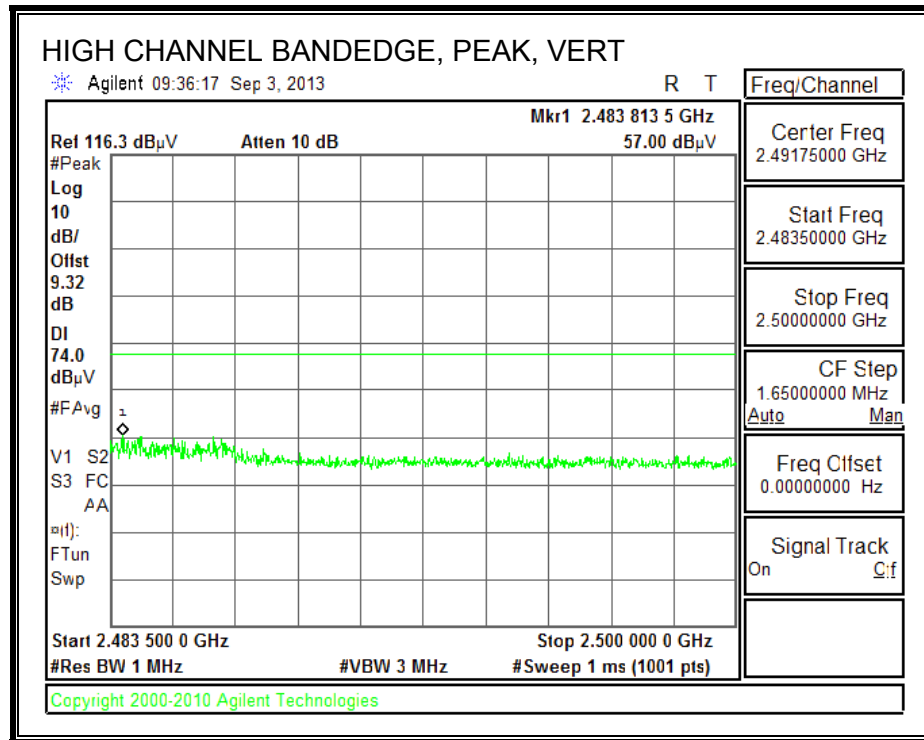
RESTRICTED BANDEDGE (LOW CHANNEL 2, 2417 MHz)



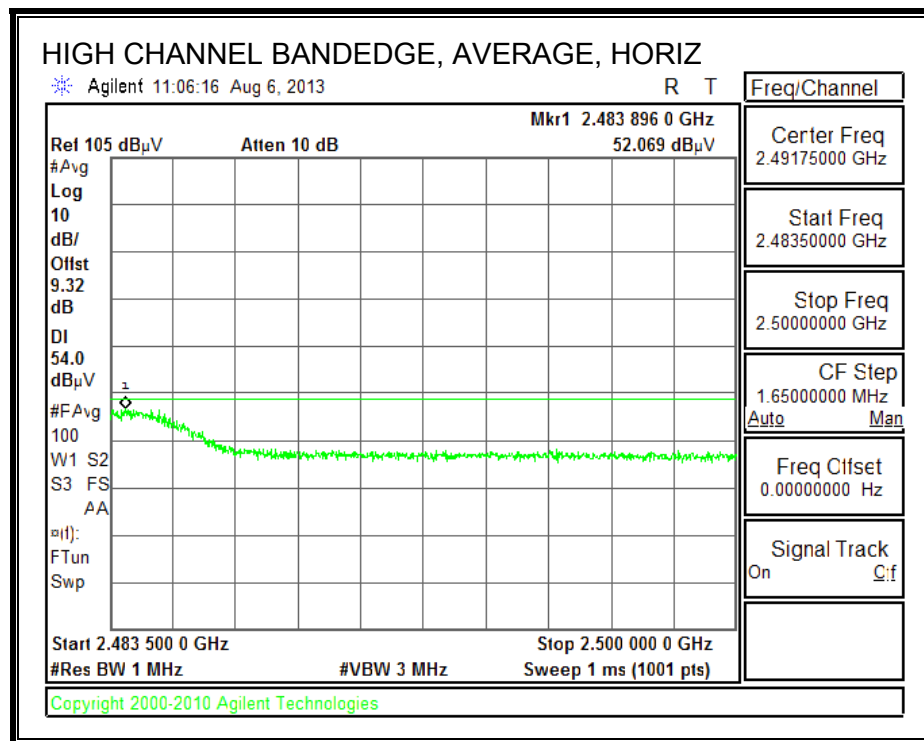
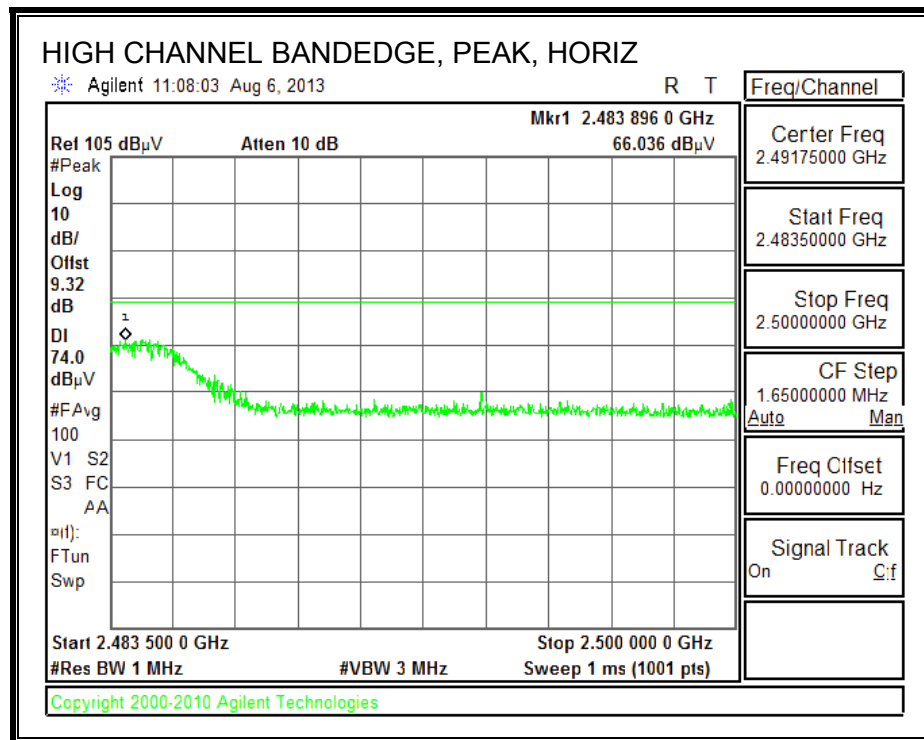


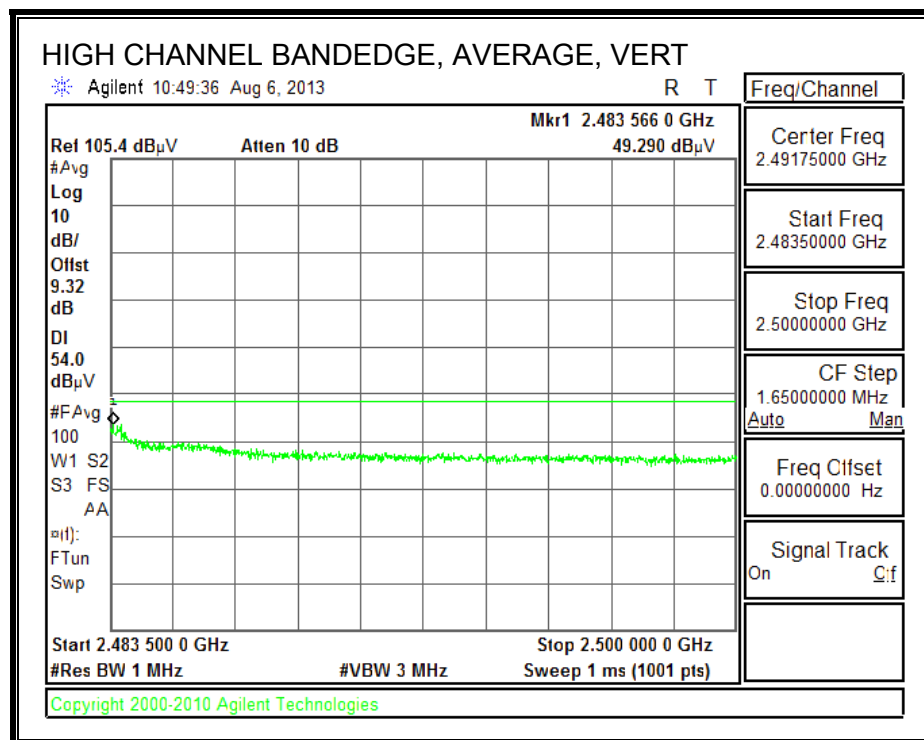
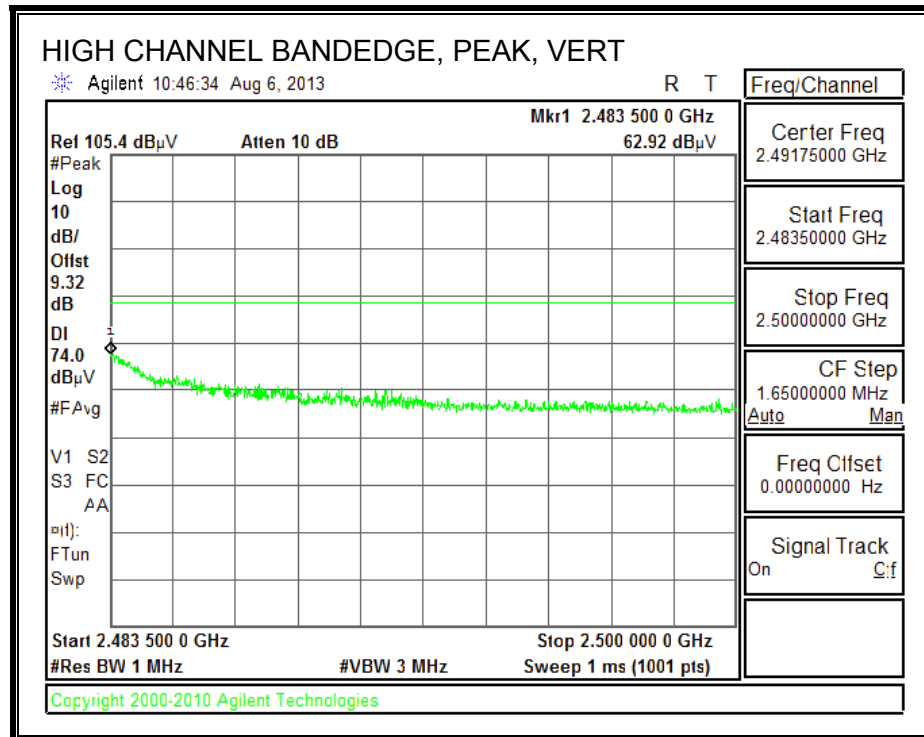
AUTHORIZED BANDEDGE (HIGH CHANNEL 10, 2457 MHz)





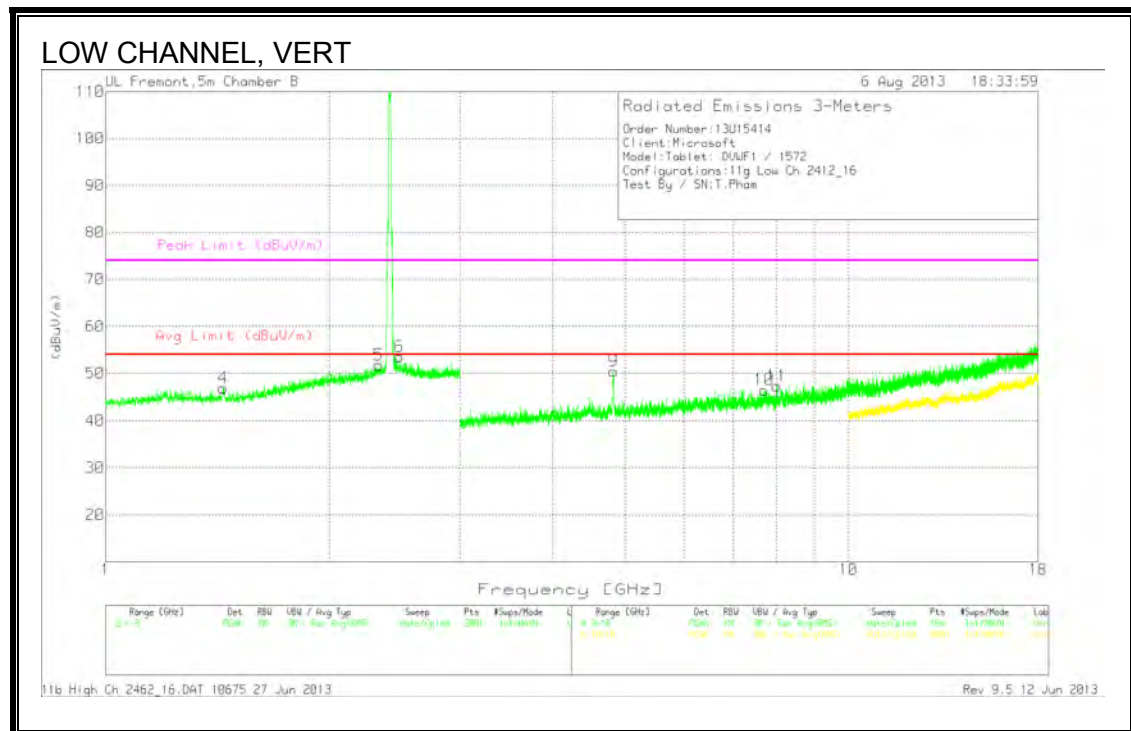
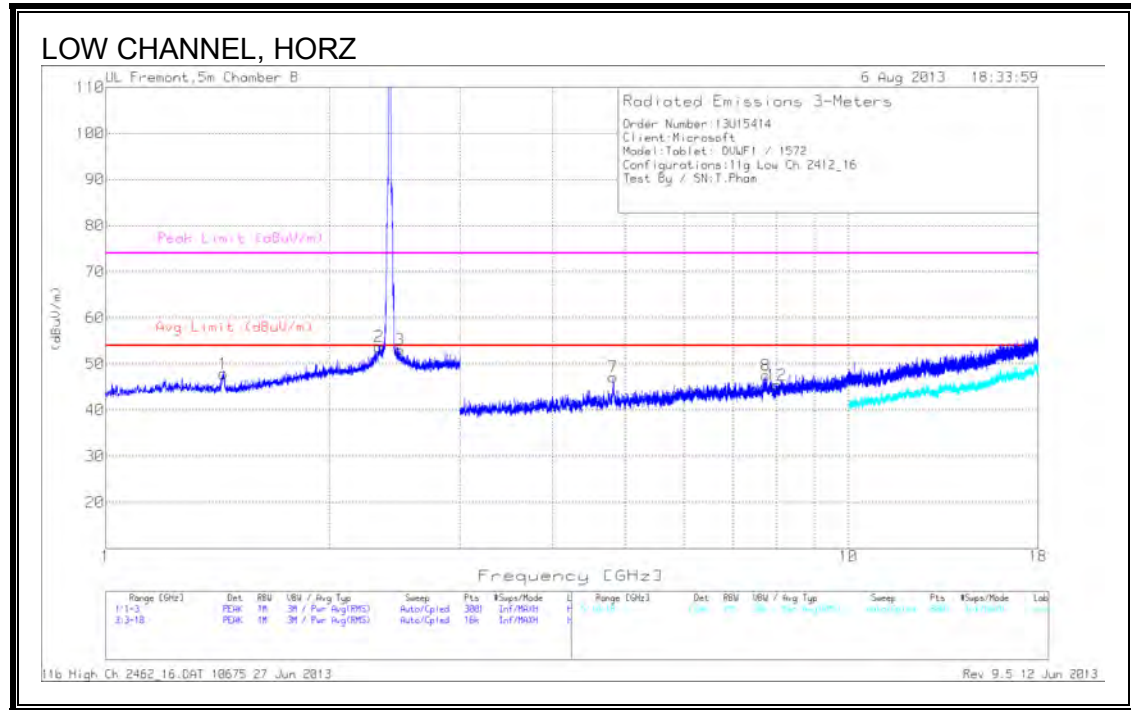
AUTHORIZED BANDEDGE (HIGH CHANNEL 11, 2462 MHz)





HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 1, 2412 MHz



LOW Channel DATA

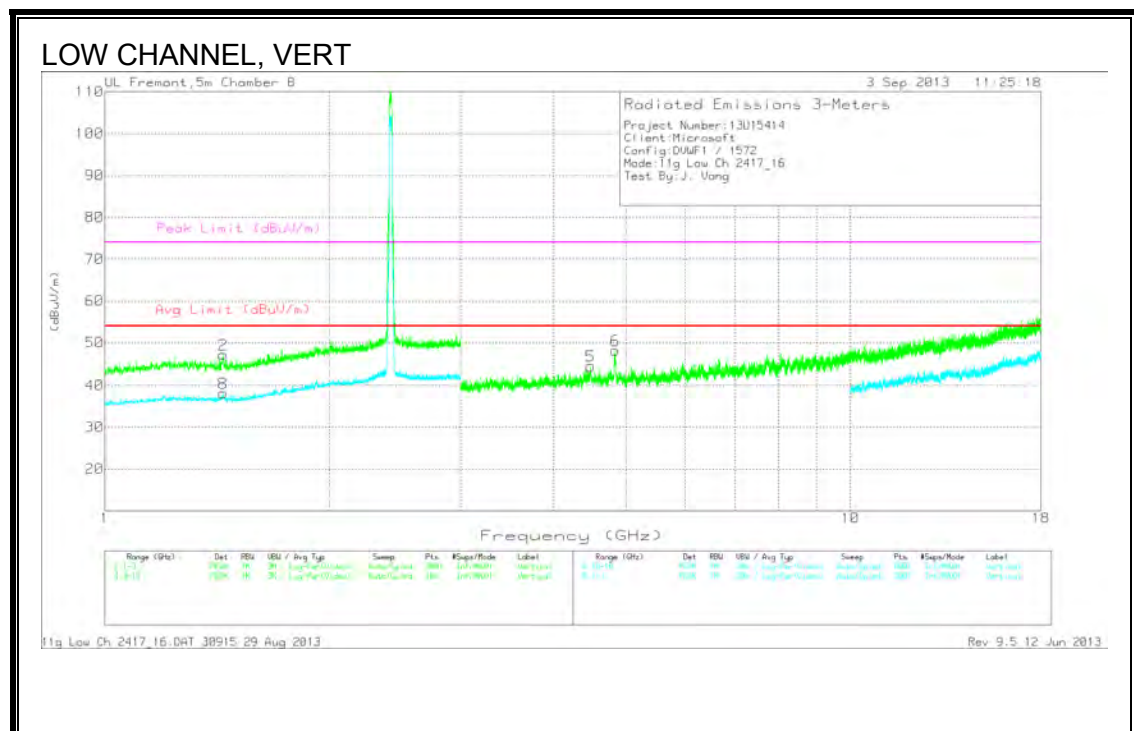
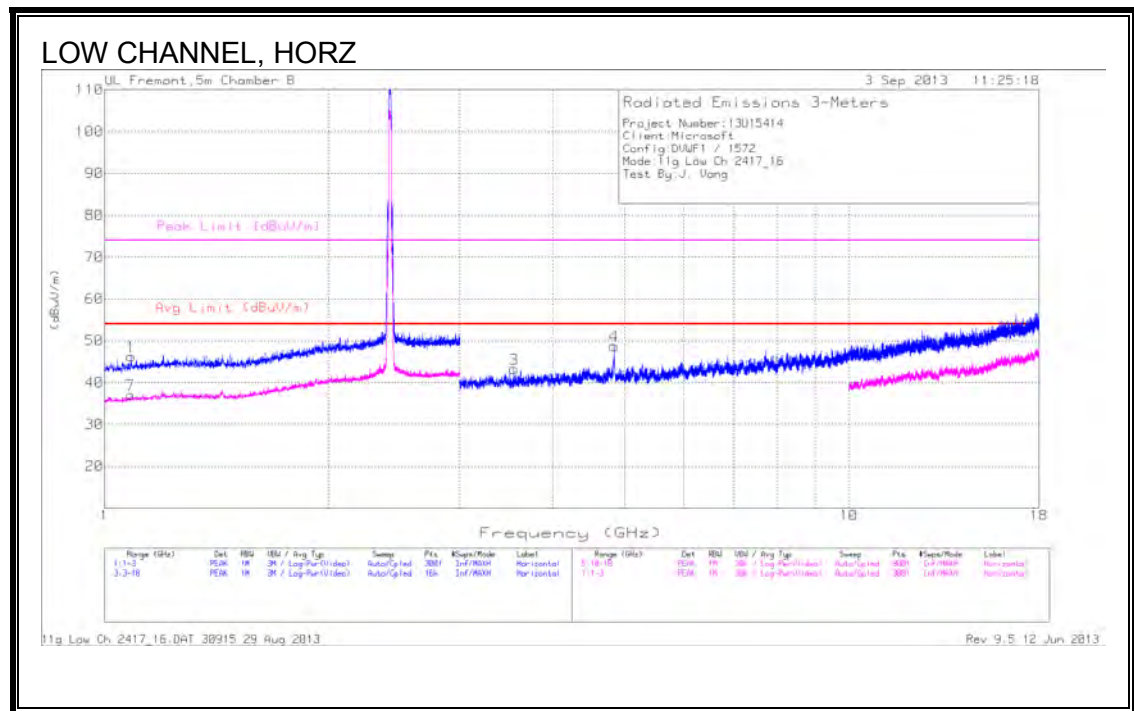
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.441	44.42	PK	28.3	-24.8	47.92	53.97	-6.05	74	-26.08	0-360	100	H
2.335	44.94	PK	32.2	-23.4	53.74	53.97	-.23	74	-20.26	0-360	100	H
2.491	43.79	PK	32.5	-23.2	53.09	53.97	-.88	74	-20.91	0-360	200	H
1.44	43.4	PK	28.3	-24.8	46.9	53.97	-7.07	74	-27.1	0-360	100	V
2.331	42.97	PK	32.2	-23.4	51.77	53.97	-2.2	74	-22.23	0-360	200	V
2.486	44.25	PK	32.5	-23.2	53.55	53.97	-.42	74	-20.45	0-360	100	V
4.822	42.45	PK	34.7	-30	47.15	53.97	-6.82	74	-26.85	0-360	100	H
7.745	37.24	PK	36.2	-25.9	47.54	53.97	-6.43	74	-26.46	0-360	100	H
8.011	36.35	PK	36.1	-27	45.45	53.97	-8.52	74	-28.55	0-360	200	H
4.826	45.74	PK	34.7	-30	50.44	53.97	-3.53	74	-23.56	0-360	100	V
7.703	36.71	PK	36.2	-26.4	46.51	53.97	-7.46	74	-27.49	0-360	200	V
8.012	38.23	PK	36.1	-27	47.33	53.97	-6.64	74	-26.67	0-360	200	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.339	36.78	Av	32.2	-23.5	45.48	53.97	-8.49	-	-	257	103	H
2.496	31.34	Av	32.5	-23.2	40.64	53.97	-13.33	-	-	163	191	H
2.329	30.9	Av	32.2	-23.4	39.7	53.97	-14.27	-	-	176	189	V
2.485	31.83	Av	32.5	-23.2	41.13	53.97	-12.84	-	-	53	113	V
4.824	36.68	Av	34.7	-30	41.38	53.97	-12.59	-	-	1	197	V

PK - Peak detector

AV – Average detection

LOW CHANNEL 2, 2417 MHz



LOW Channel 2 DATA

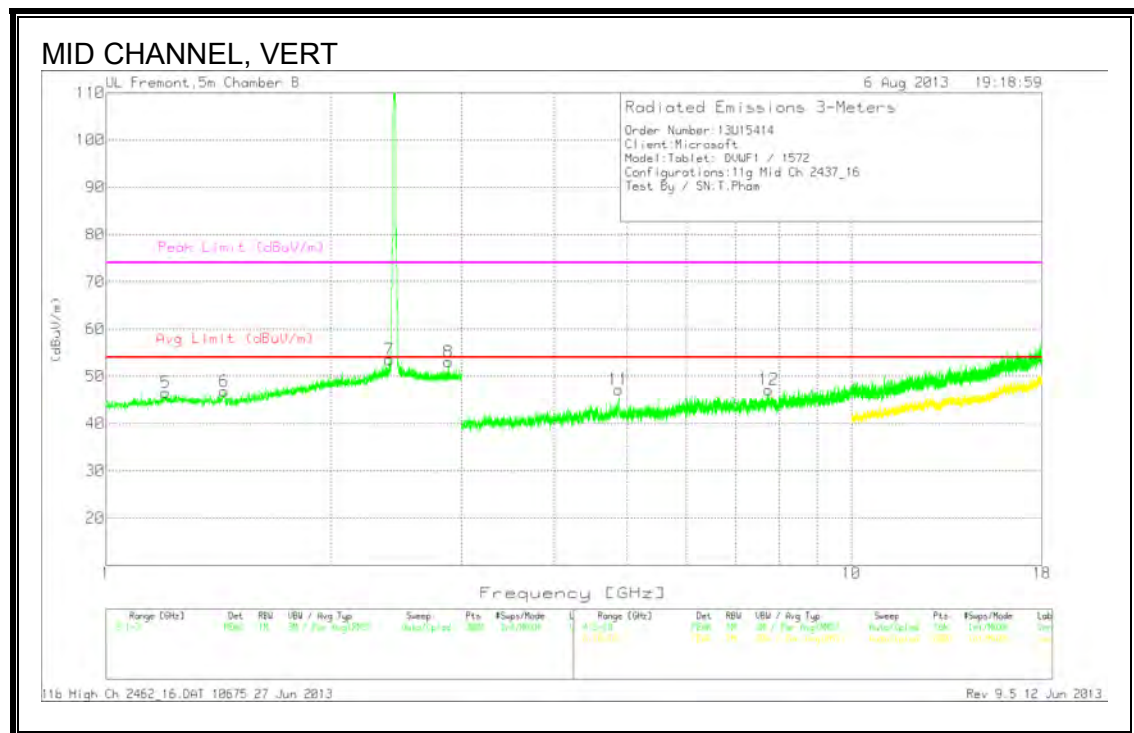
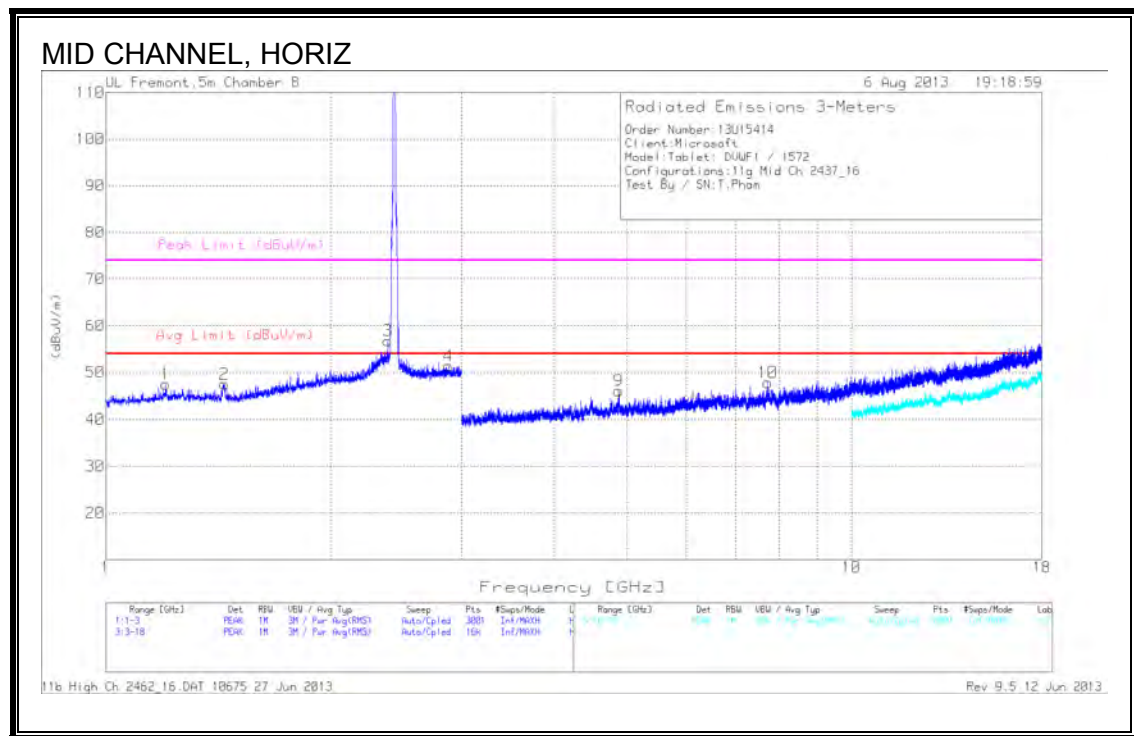
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.085	43.87	PK	27.8	-25.4	46.27	-	-	74	-27.73	0-360	200	H
1.441	43.69	PK	28.3	-24.8	47.19	-	-	74	-26.81	0-360	100	V
3.547	41.77	PK	33.3	-31.8	43.27	53.97	-10.7	74	-30.73	0-360	100	H
4.836	43.93	PK	34.7	-29.9	48.73	53.97	-5.24	74	-25.27	0-360	100	H
4.481	39.28	PK	34.5	-29.3	44.48	53.97	-9.49	74	-29.52	0-360	100	V
4.838	43.49	PK	34.7	-30	48.19	53.97	-5.78	74	-25.81	0-360	100	V
1.084	34.7	PK	27.8	-25.4	37.1	53.97	-16.87	-	-	0-360	100	H
1.441	34.62	PK	28.3	-24.8	38.12	53.97	-15.85	-	-	0-360	200	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4.83	28.42	Av	34.7	-30	33.12	53.97	-20.85	-	-	141	135	H
4.836	29.52	Av	34.7	-29.9	34.32	53.97	-19.65	-	-	21	170	V

PK - Peak detector

Av - Average detection

MID CHANNEL, 2437 MHZ



MID Channel DATA

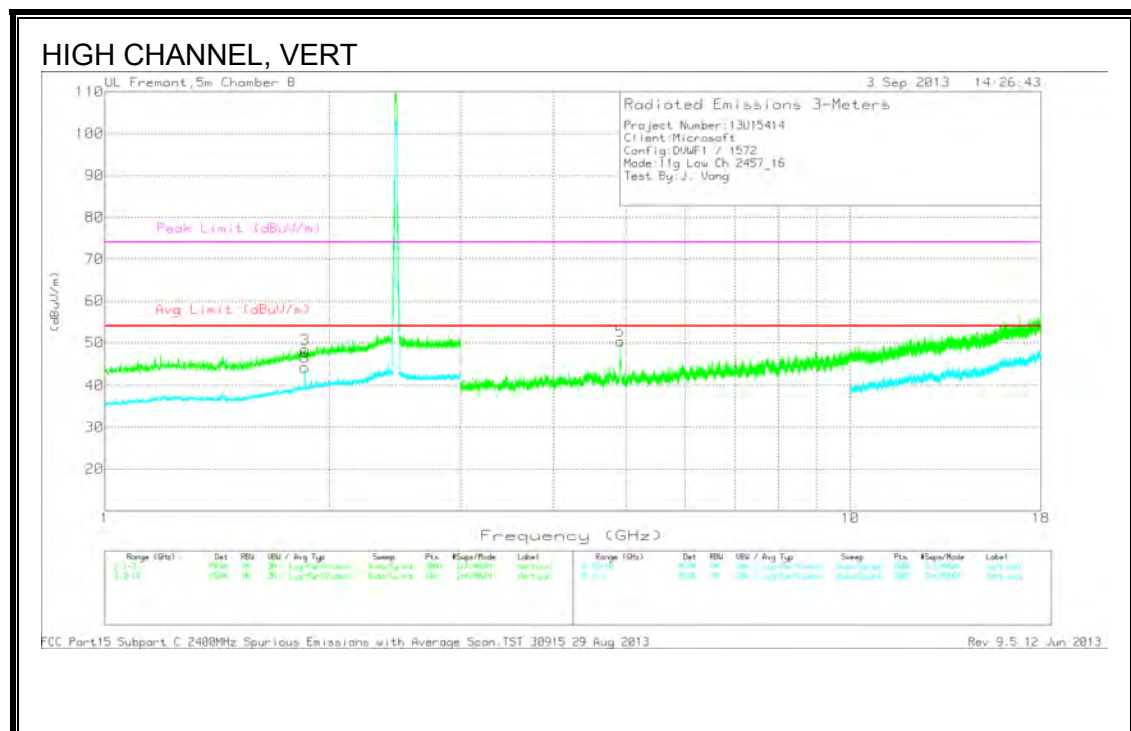
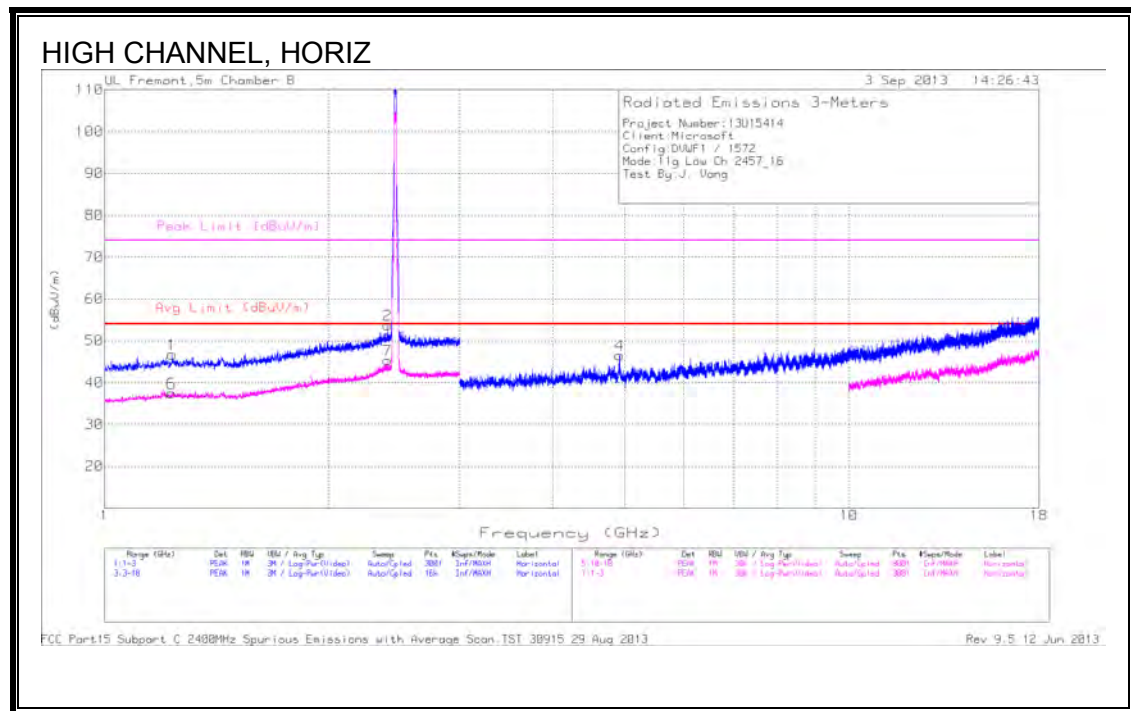
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.203	44.27	PK	28.4	-25.2	47.47	53.97	-6.5	74	-26.53	0-360	100	H
1.442	43.98	PK	28.3	-24.8	47.48	53.97	-6.49	74	-26.52	0-360	100	H
2.389	47.86	PK	32.3	-23.4	56.76	53.97	2.79	74	-17.24	0-360	100	H
2.882	41.24	PK	33	-22.9	51.34	53.97	-2.63	74	-22.66	0-360	100	H
1.204	43.32	PK	28.4	-25.2	46.52	53.97	-7.45	74	-27.48	0-360	100	V
1.441	43.35	PK	28.3	-24.8	46.85	53.97	-7.12	74	-27.15	0-360	100	V
2.4	44.52	PK	32.3	-23.3	53.52	53.97	-.45	74	-20.48	0-360	100	V
2.881	42.96	PK	33	-22.9	53.06	53.97	-.91	74	-20.94	0-360	100	V
4.872	42.4	PK	34.7	-31	46.1	53.97	-7.87	74	-27.9	0-360	100	H
7.72	37.22	PK	36.2	-25.6	47.82	53.97	-6.15	74	-26.18	0-360	100	H
4.873	43.5	PK	34.7	-31	47.2	53.97	-6.77	74	-26.8	0-360	100	V
7.744	36.85	PK	36.2	-25.9	47.15	53.97	-6.82	74	-26.85	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.393	36.51	Av	32.3	-23.4	45.41	53.97	-8.56	-	-	258	101	H
2.881	30.3	Av	33	-22.9	40.4	53.97	-13.57	-	-	119	132	H
2.4	34.99	Av	32.3	-23.3	43.99	53.97	-9.98	-	-	293	162	V
2.882	30.4	Av	33	-22.9	40.5	53.97	-13.47	-	-	199	246	V

PK - Peak detector

Av – Average detection

HIGH CHANNEL 10, 2457 MHZ



HIGH CHANNEL 10 DATA

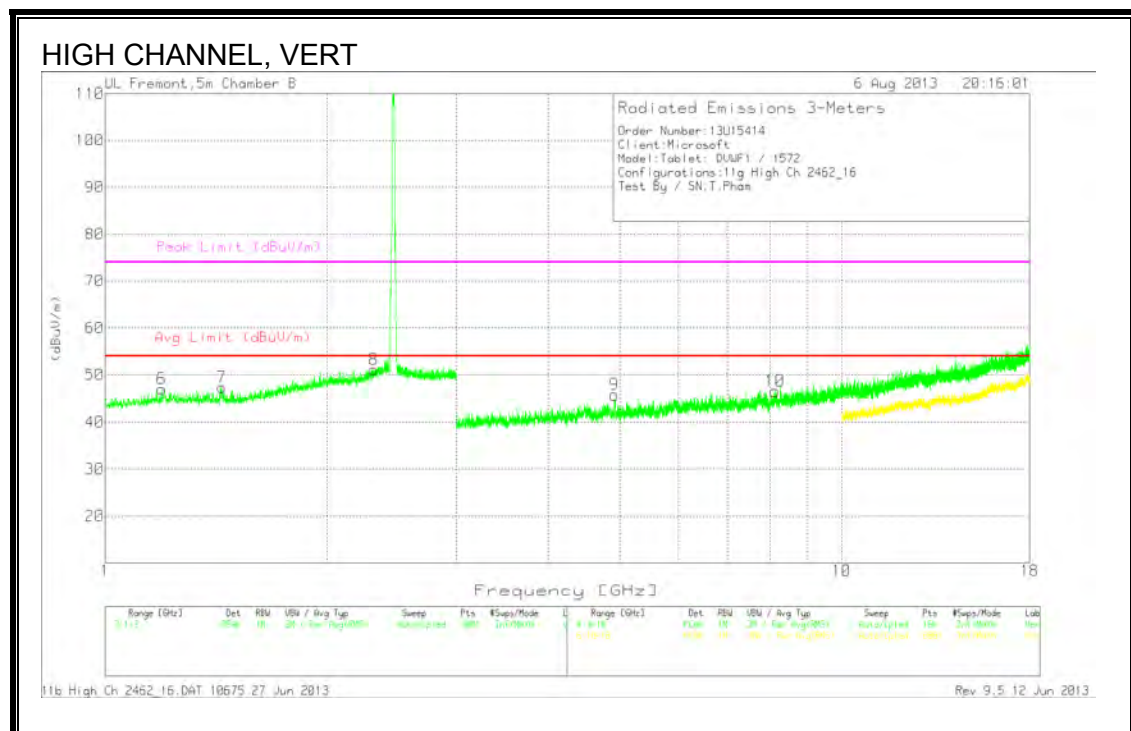
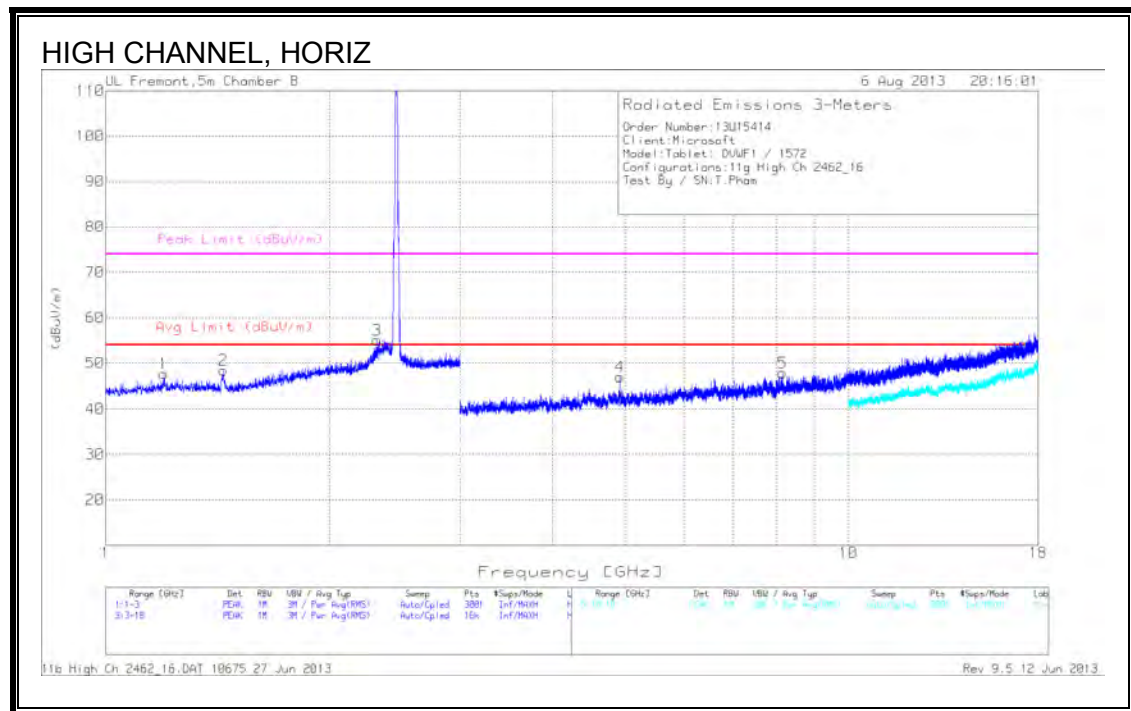
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.232	43.33	PK	28.5	-25.1	46.73	53.97	-7.24	74	-27.27	0-360	200	H
2.4	44.75	PK	32.3	-23.3	53.75	-	-	74	-20.25	0-360	100	H
1.855	41.75	PK	30.8	-24.1	48.45	-	-	74	-25.55	0-360	100	V
4.92	43.34	PK	34.6	-31.4	46.54	53.97	-7.43	74	-27.46	0-360	100	H
4.914	47.21	PK	34.6	-31.4	50.41	53.97	-3.56	74	-23.59	0-360	100	V
1.23	34.08	PK	28.5	-25.1	37.48	53.97	-16.49	74	-36.52	0-360	100	H
2.4	36.38	PK	32.3	-23.3	45.38	53.97	-8.59	-	-	0-360	100	H
1.855	37.49	PK	30.8	-24.1	44.19	53.97	-9.78	-	-	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4.914	31.74	Av	34.6	-31.4	34.94	53.97	-19.03	-	-	7	124	V

PK - Peak detector

Av - Average detection

HIGH CHANNEL 11, 2462 MHz



HIGH CHANNEL 11 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.197	44.54	PK	28.3	-25.2	47.64	53.97	-6.33	74	-26.36	0-360	100	H
1.441	44.92	PK	28.3	-24.8	48.42	53.97	-5.55	74	-25.58	0-360	100	H
2.318	46.25	PK	32.2	-23.4	55.05	53.97	1.08	74	-18.95	0-360	100	H
1.193	44	PK	28.3	-25.3	47	53.97	-6.97	74	-27	0-360	100	V
1.441	43.84	PK	28.3	-24.8	47.34	53.97	-6.63	74	-26.66	0-360	200	V
2.317	42.29	PK	32.2	-23.4	51.09	53.97	-2.88	74	-22.91	0-360	200	V
4.924	43.67	PK	34.6	-31.3	46.97	53.97	-7	74	-27.03	0-360	100	H
8.152	38.32	PK	36.1	-26.6	47.82	53.97	-6.15	74	-26.18	0-360	200	H
4.917	42.6	PK	34.6	-31.4	45.8	53.97	-8.17	74	-28.2	0-360	100	V
8.121	36.37	PK	36.1	-25.9	46.57	53.97	-7.4	74	-27.43	0-360	200	V

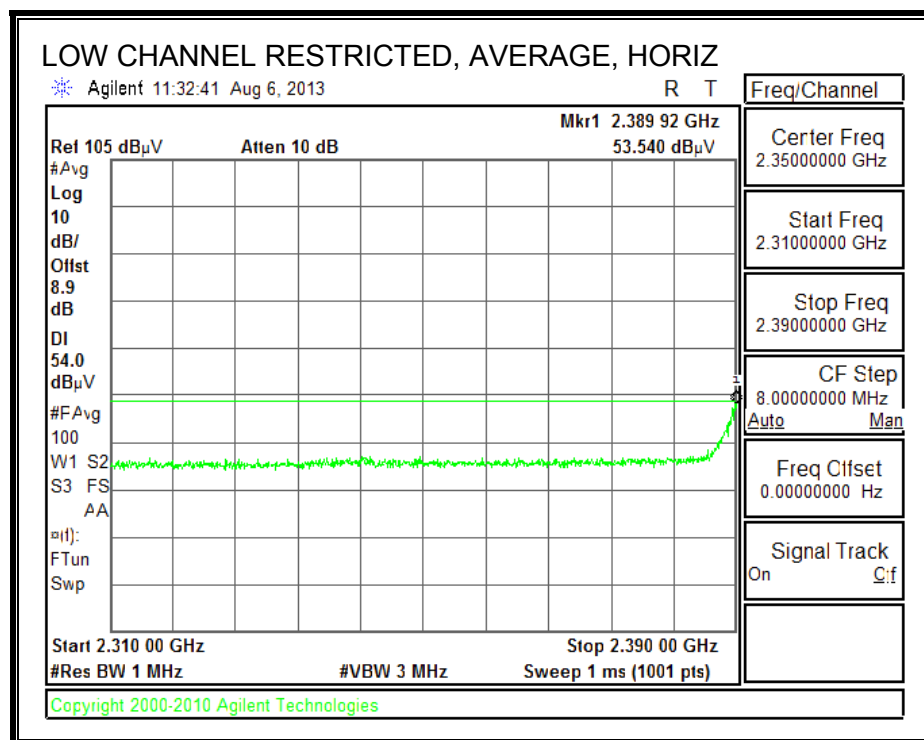
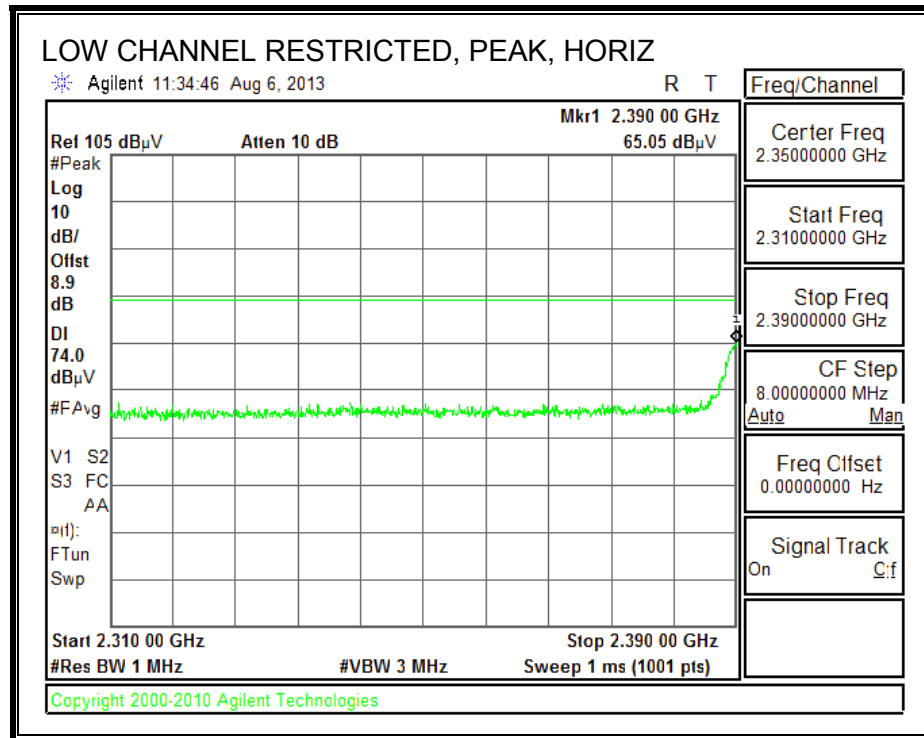
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.319	34.8	Av	32.2	-23.4	43.6	53.97	-10.37	-	-	256	103	H
1.44	35.4	Av	28.3	-24.8	38.9	53.97	-15.07	-	-	171	104	H
2.319	35.94	Av	32.2	-23.4	44.74	53.97	-9.23	-	-	256	103	H
2.319	32.79	Av	32.2	-23.4	41.59	53.97	-12.38	-	-	283	189	V

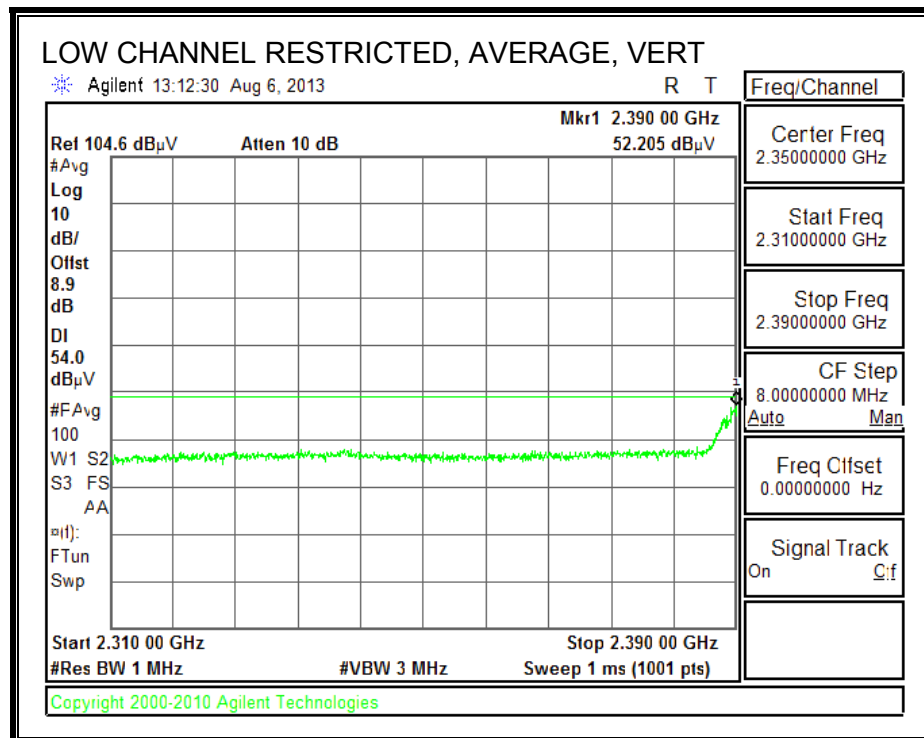
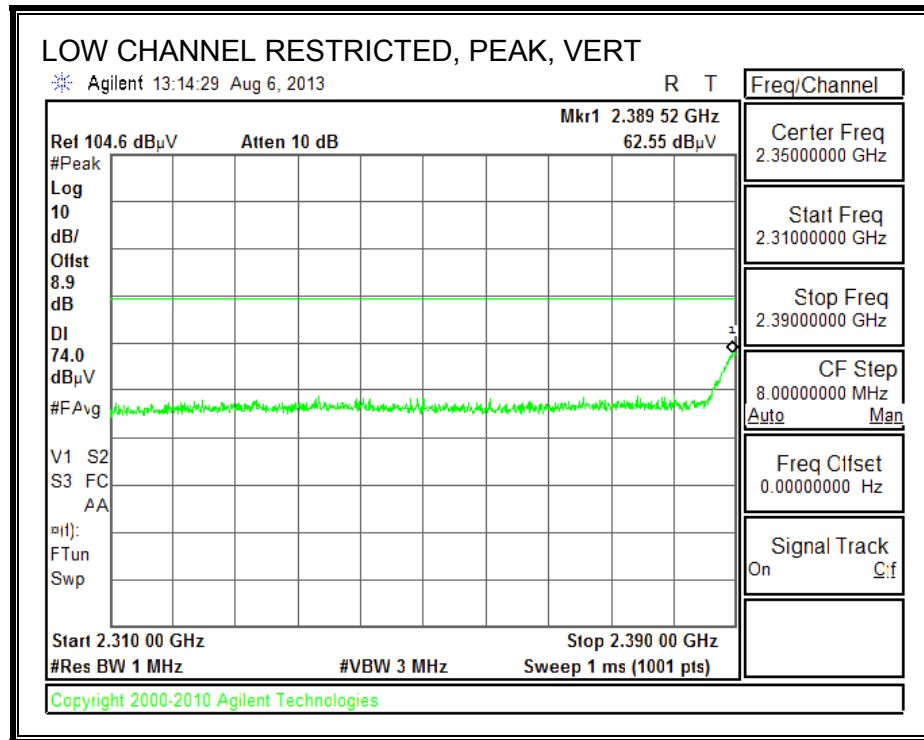
PK - Peak detector

Av – Average detection

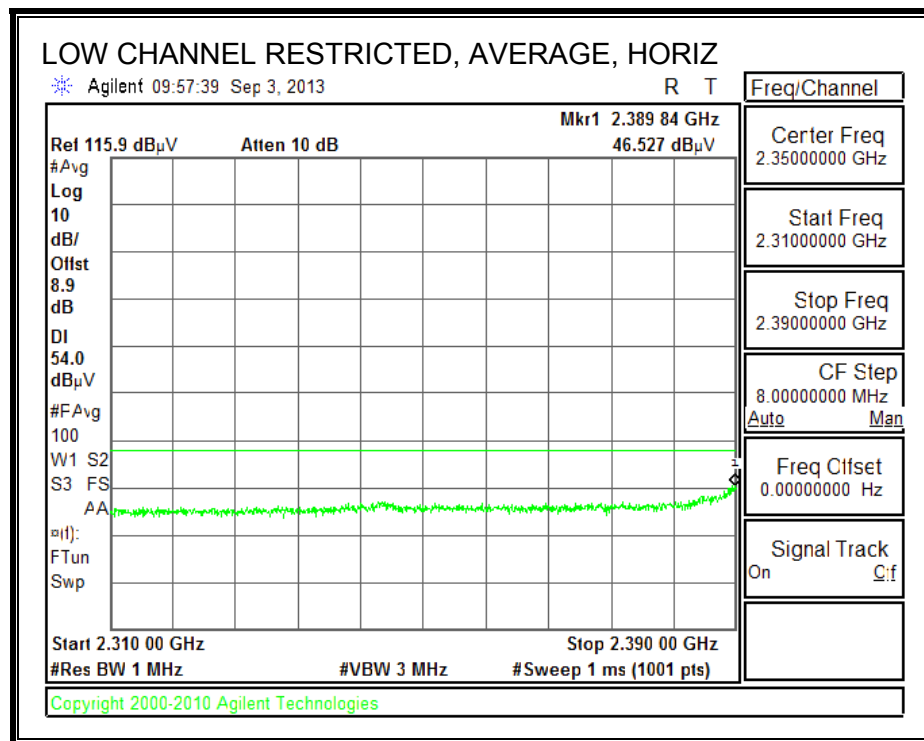
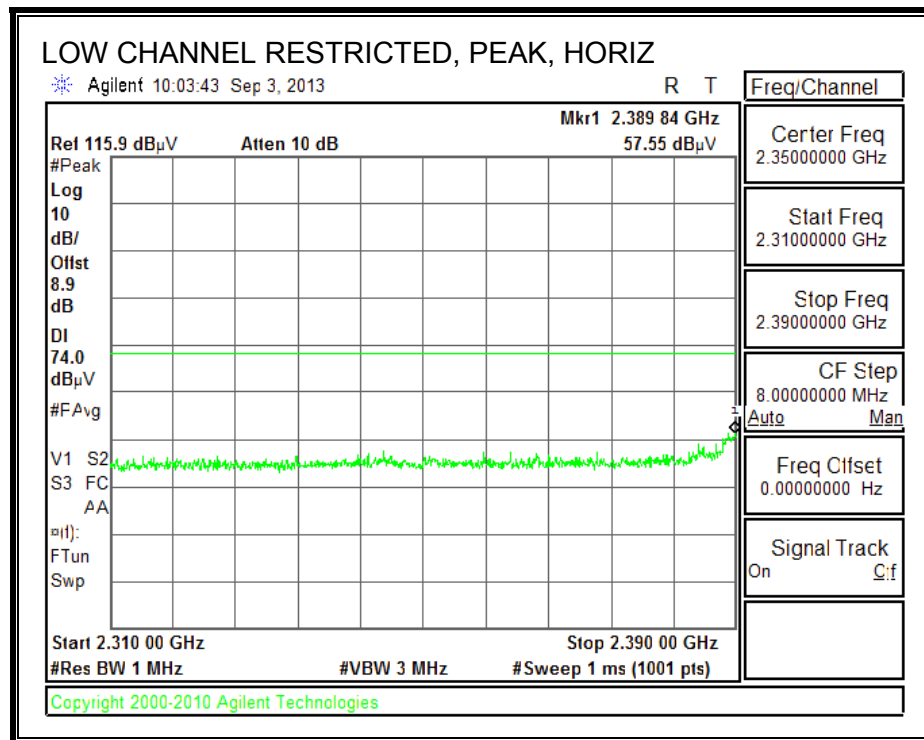
9.4. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

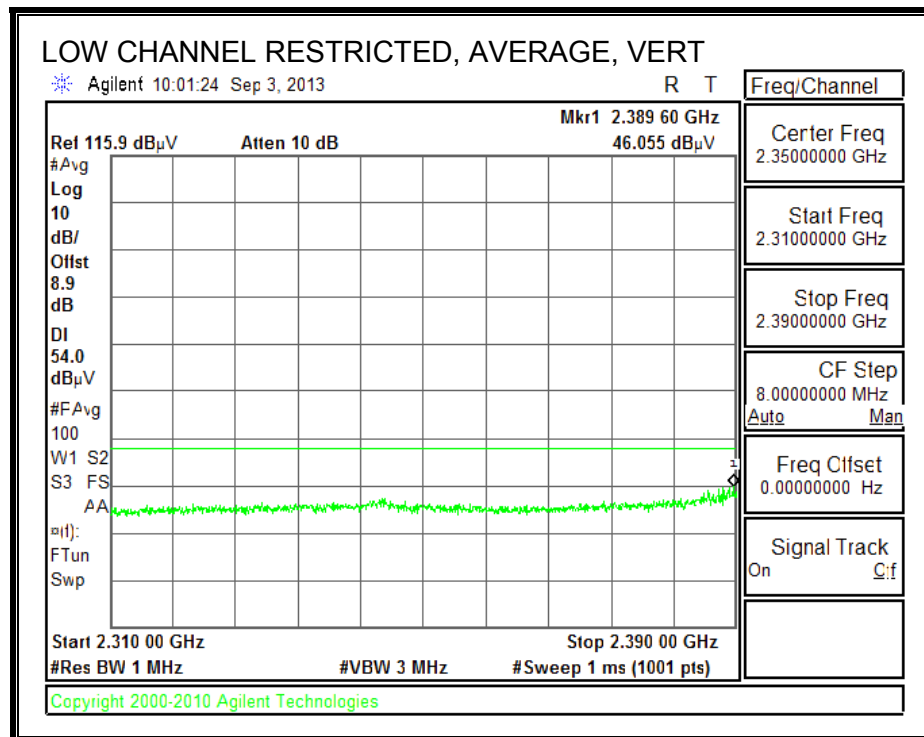
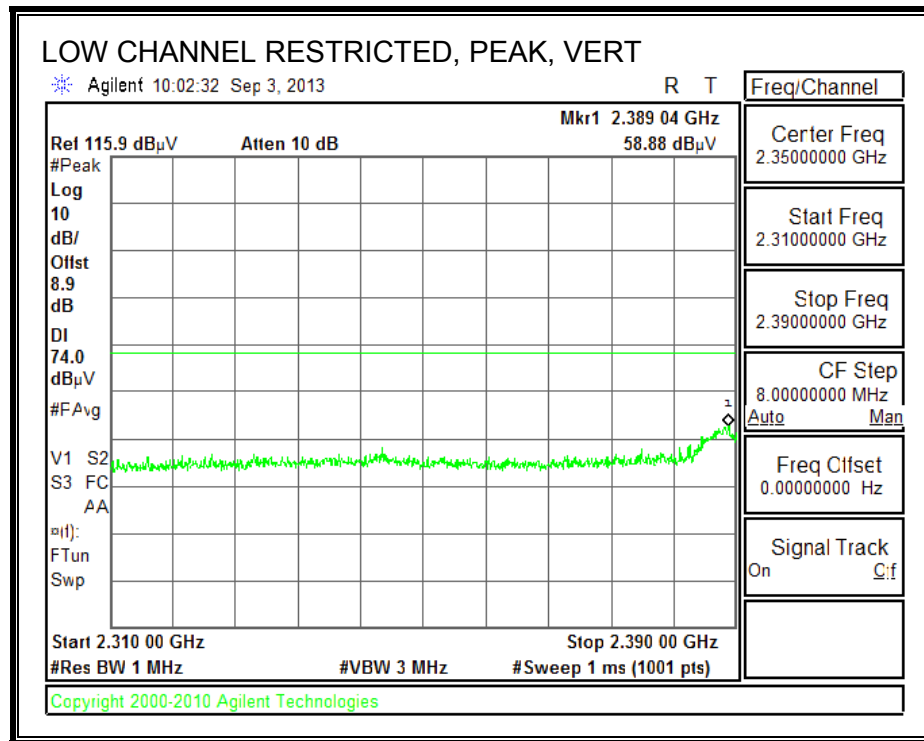
RESTRICTED BANDEDGE (LOW CHANNEL 1, 2412 MHz)



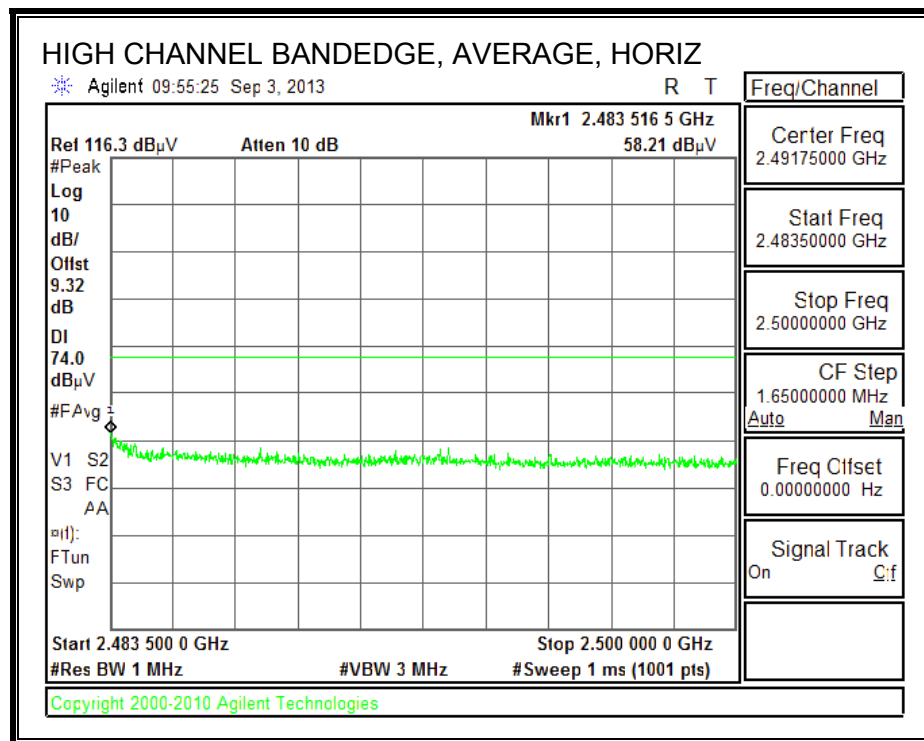
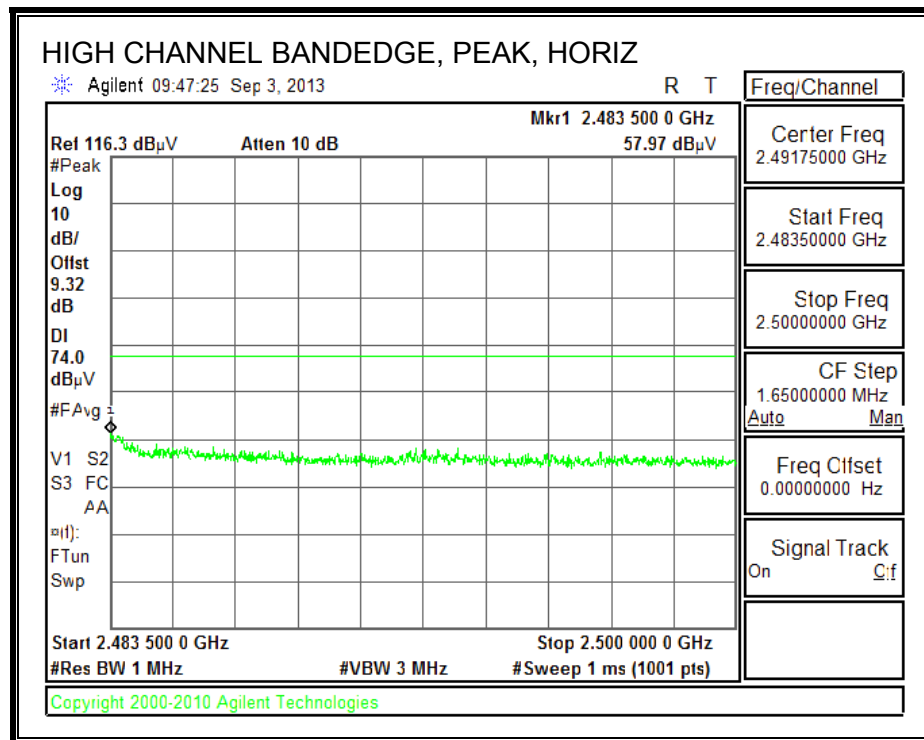


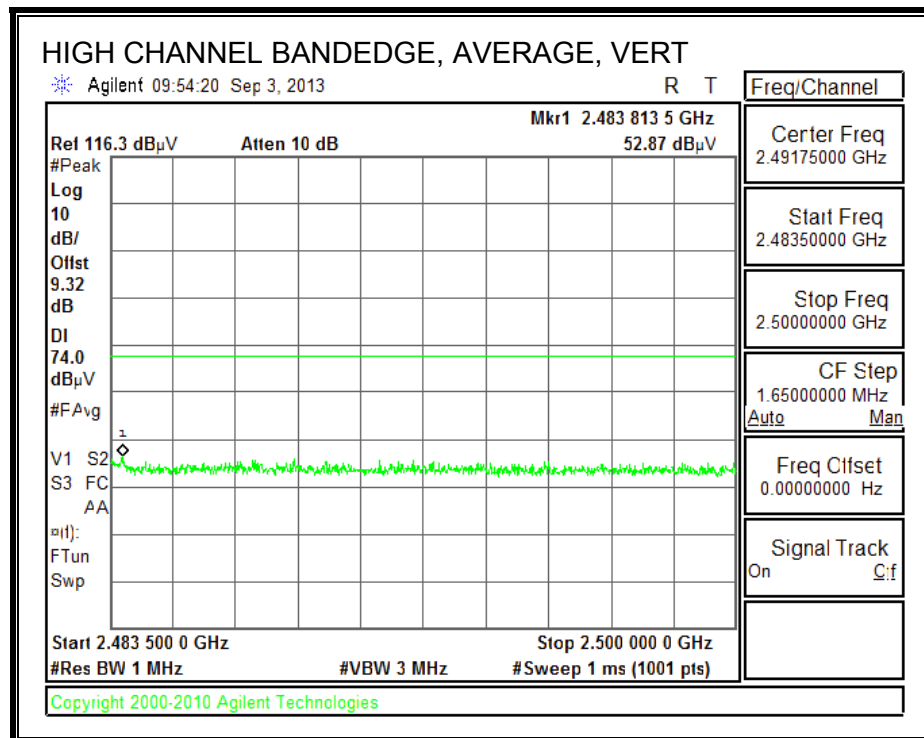
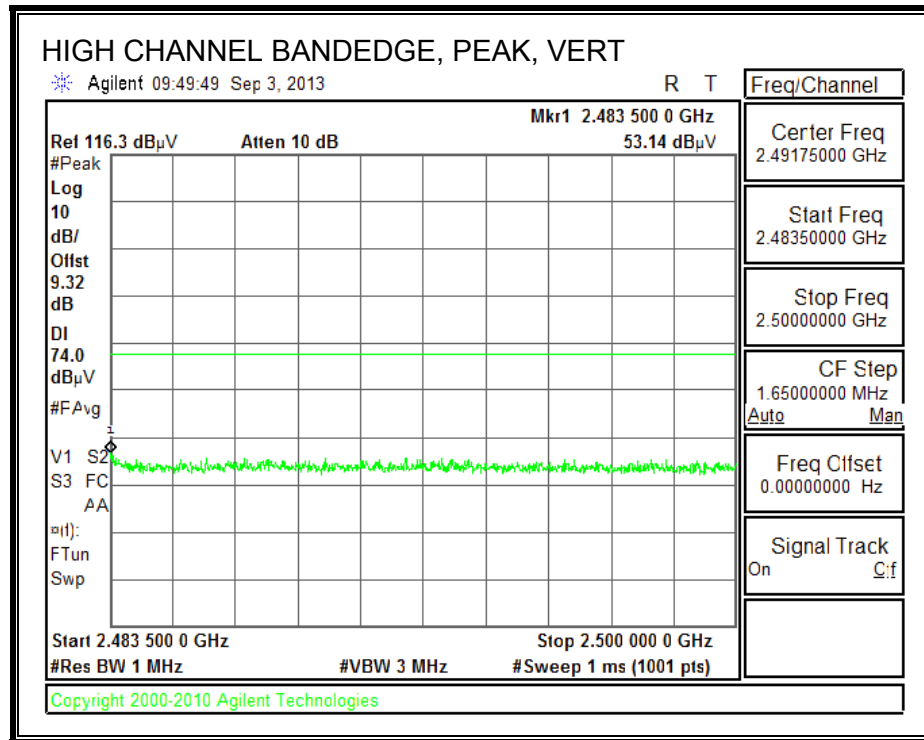
RESTRICTED BANDEDGE (LOW CHANNEL 2, 2417 MHz)



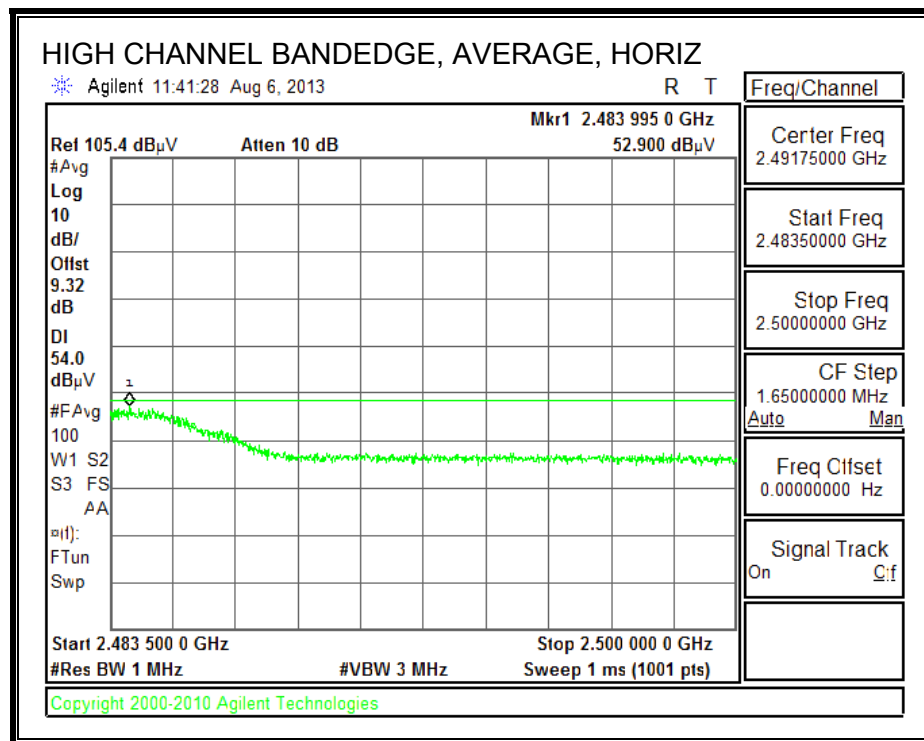
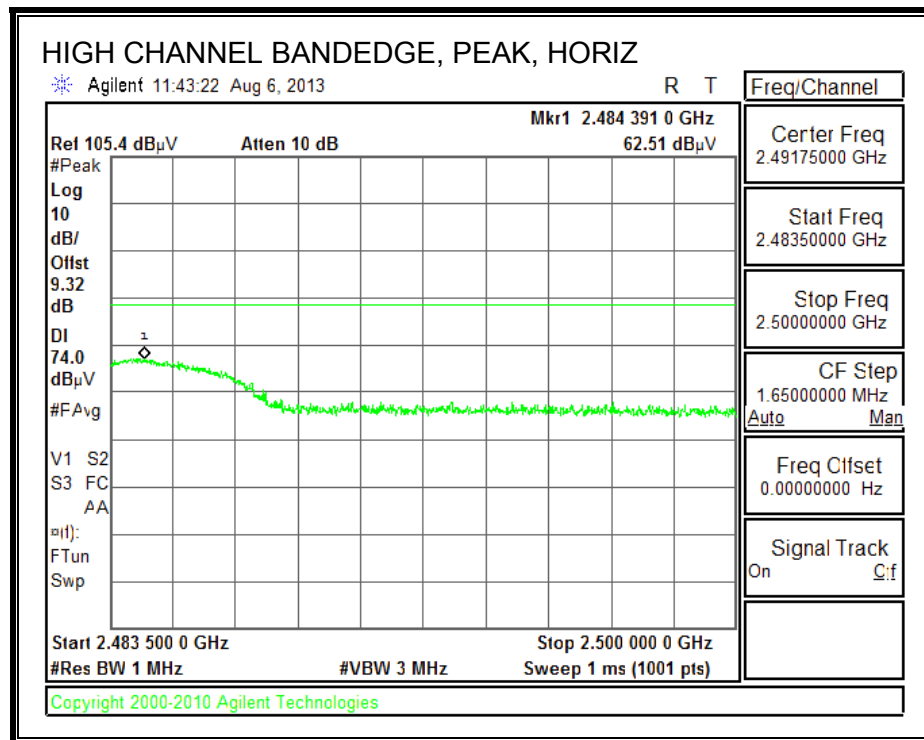


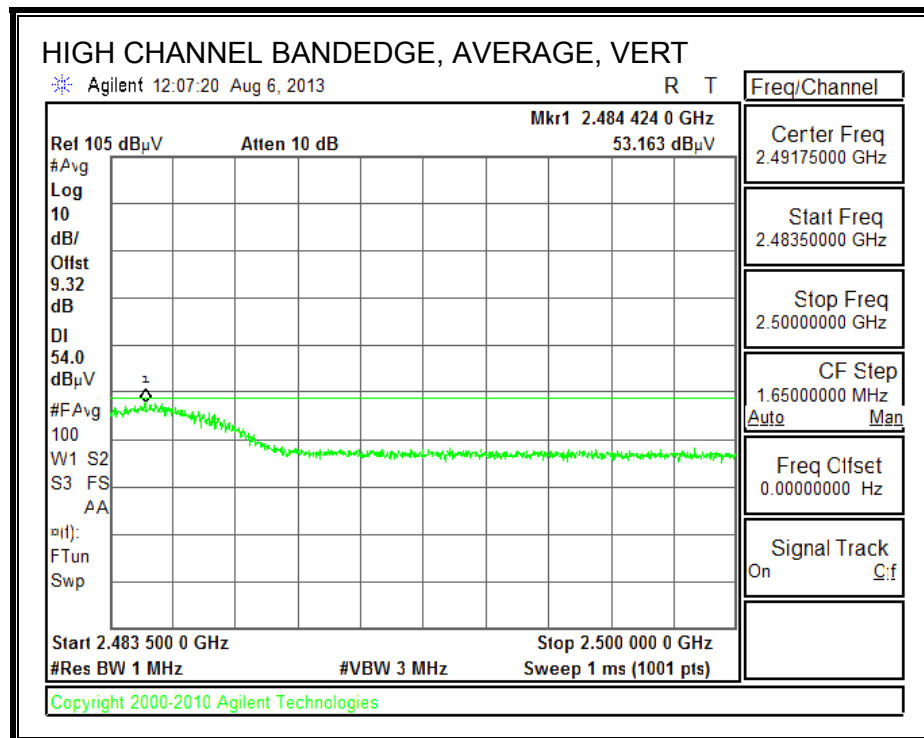
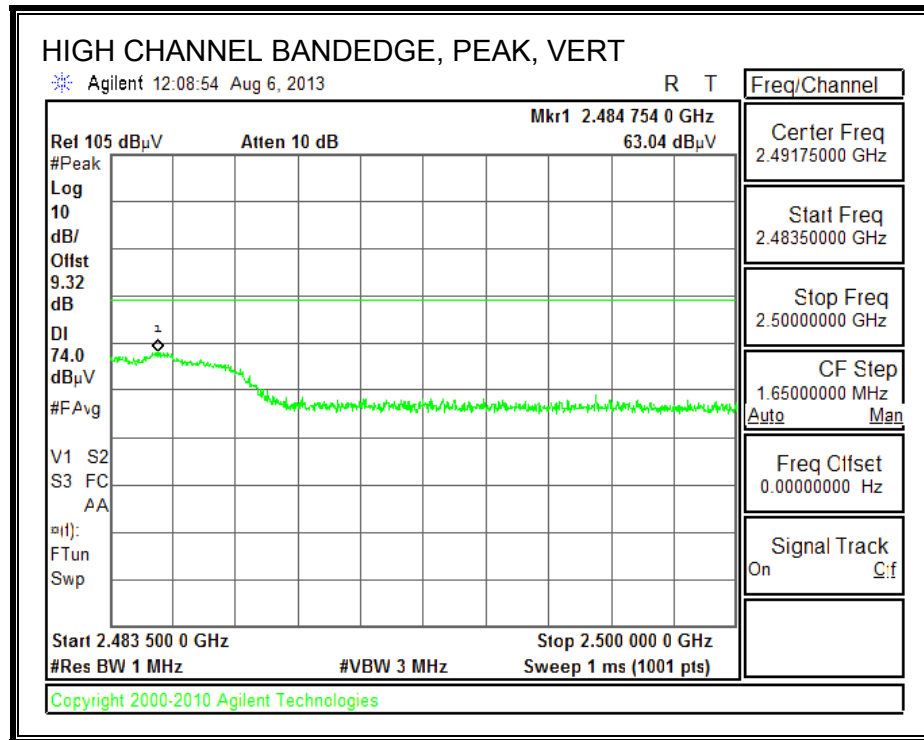
AUTHORIZED BANDEDGE (HIGH CHANNEL 10, 2457 MHz)





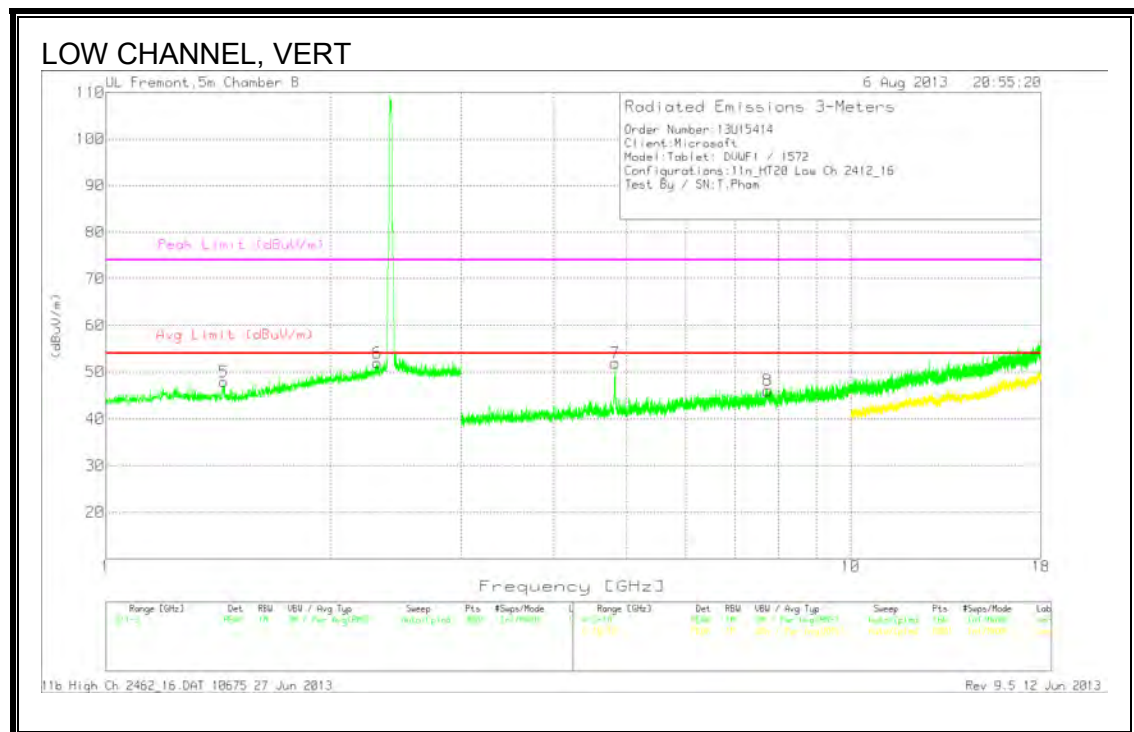
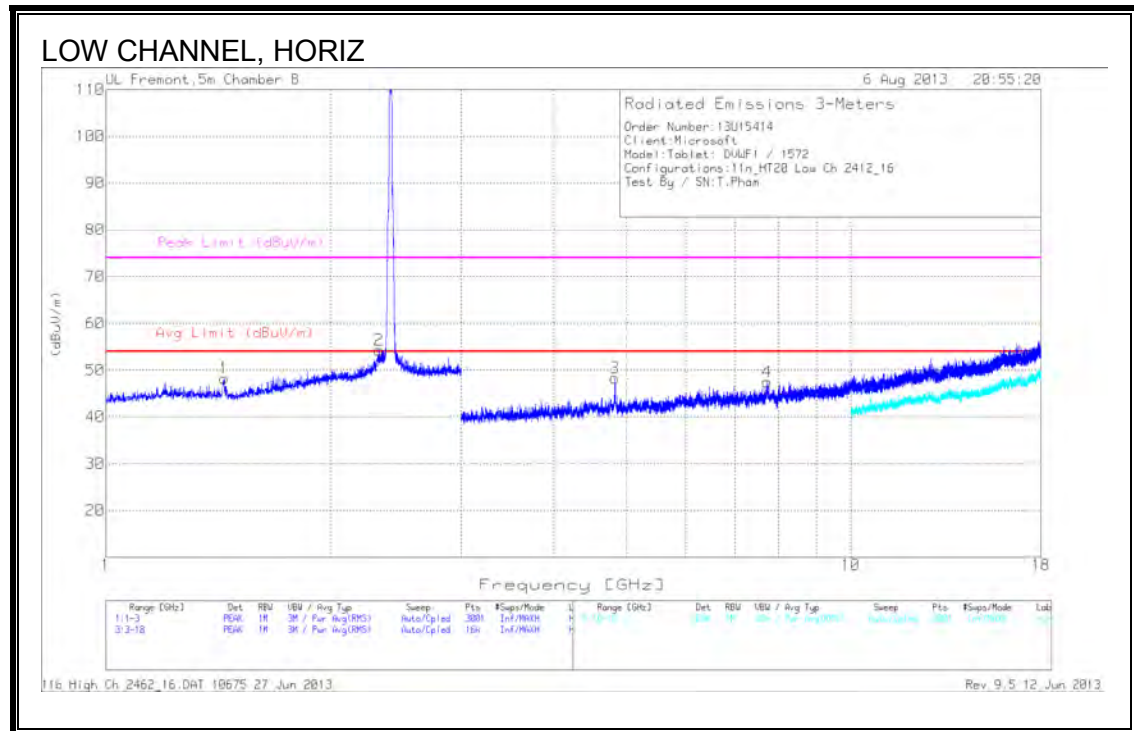
AUTHORIZED BANDEDGE (HIGH CHANNEL 11, 2462 MHz)





HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 1, 2412 MHz



LOW Channel 1 DATA

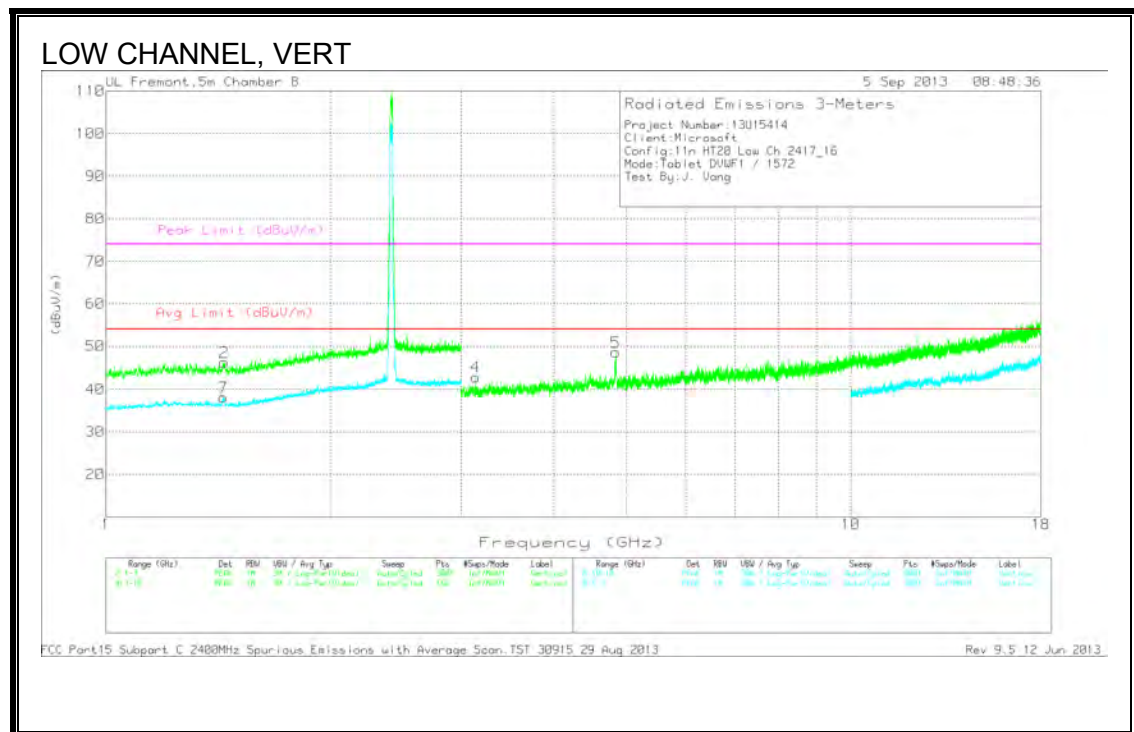
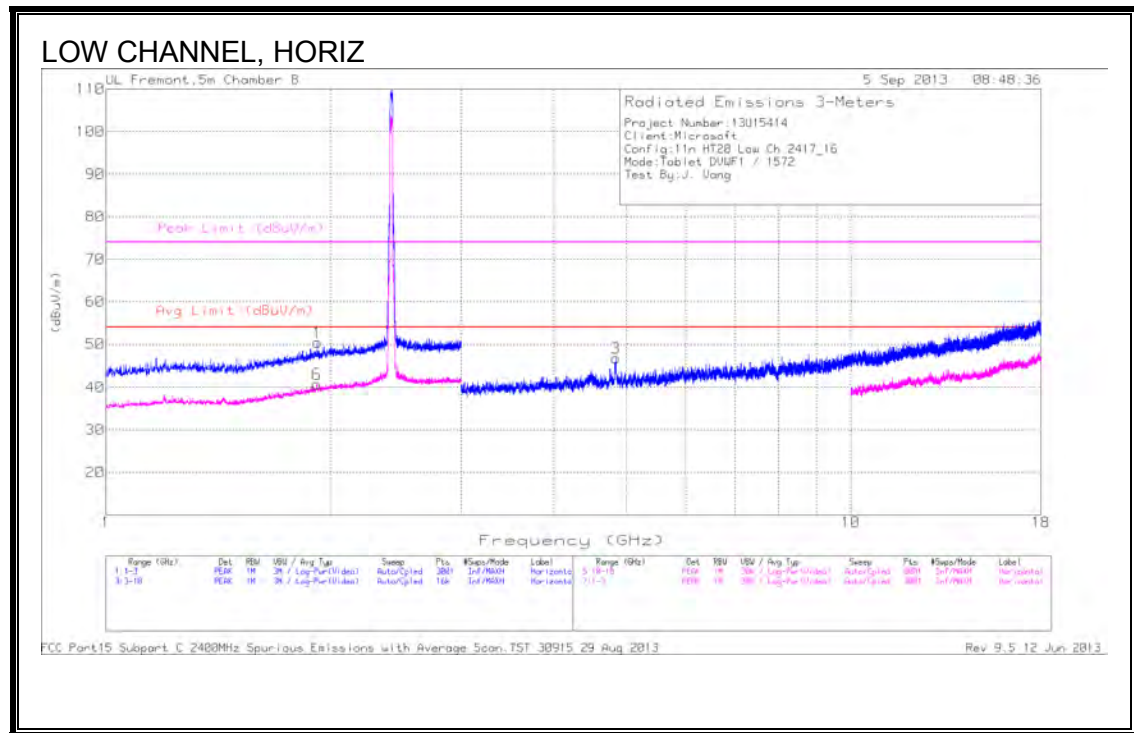
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.442	44.78	PK	28.3	-24.8	48.28	53.97	-5.69	74	-25.72	0-360	100	H
2.327	45.51	PK	32.2	-23.4	54.31	53.97	.34	74	-19.69	0-360	100	H
1.441	44.36	PK	28.3	-24.8	47.86	53.97	-6.11	74	-26.14	0-360	200	V
2.316	43.13	PK	32.2	-23.4	51.93	53.97	-2.04	74	-22.07	0-360	200	V
4.823	43.6	PK	34.7	-30	48.3	53.97	-5.67	74	-25.7	0-360	100	H
7.724	36.67	PK	36.2	-25.4	47.47	53.97	-6.5	74	-26.53	0-360	200	H
4.829	47.18	PK	34.7	-30	51.88	53.97	-2.09	74	-22.12	0-360	100	V
7.735	35.67	PK	36.2	-25.8	46.07	53.97	-7.9	74	-27.93	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.314	30.55	Av	32.2	-23.4	39.35	53.97	-14.62	-	-	105	109	V
1.44	36.37	Av	28.3	-24.8	39.87	53.97	-14.1	-	-	169	101	H
2.323	18.16	Av	32.2	-23.4	26.96	53.97	-27.01	-	-	339	345	H
2.314	33.43	Av	32.2	-23.4	42.23	53.97	-11.74	-	-	300	200	V
4.823	32.22	Av	34.7	-30	36.92	53.97	-17.05	-	-	154	188	H
10.51	23.74	Av	38.2	-23.5	38.44	53.97	-15.53	-	-	154	188	V

PK - Peak detector

Av - Average detection

LOW CHANNEL 2, 2417 MHz



LOW Channel 2 DATA

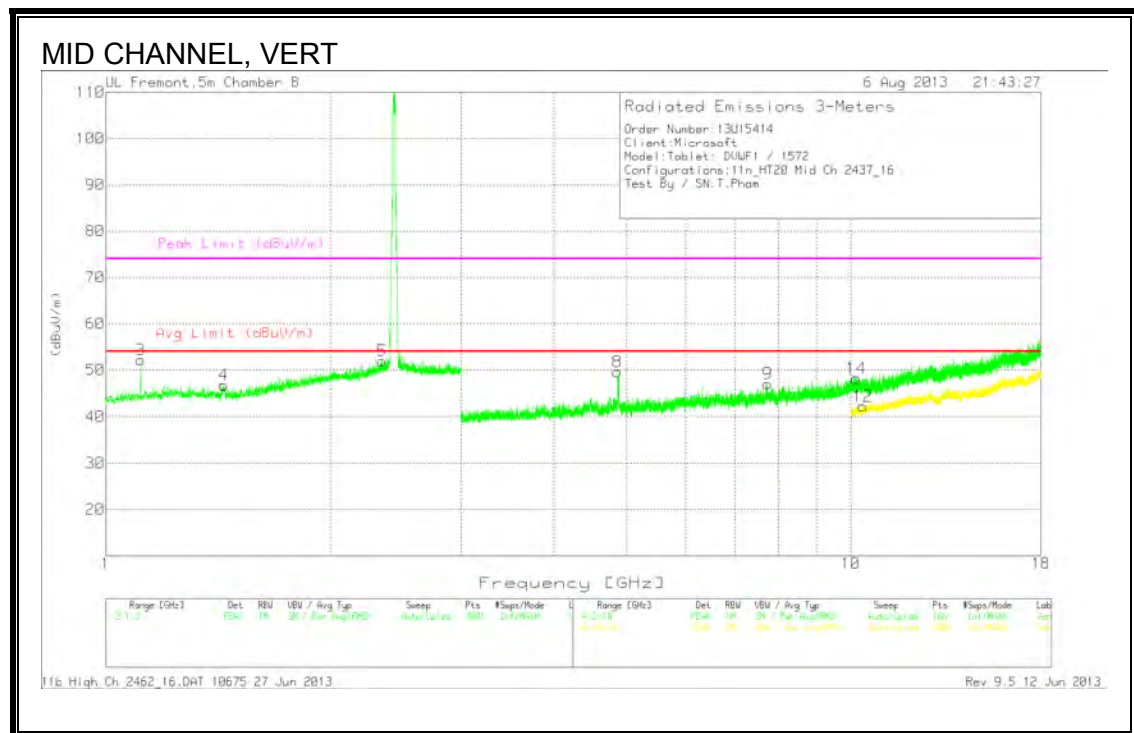
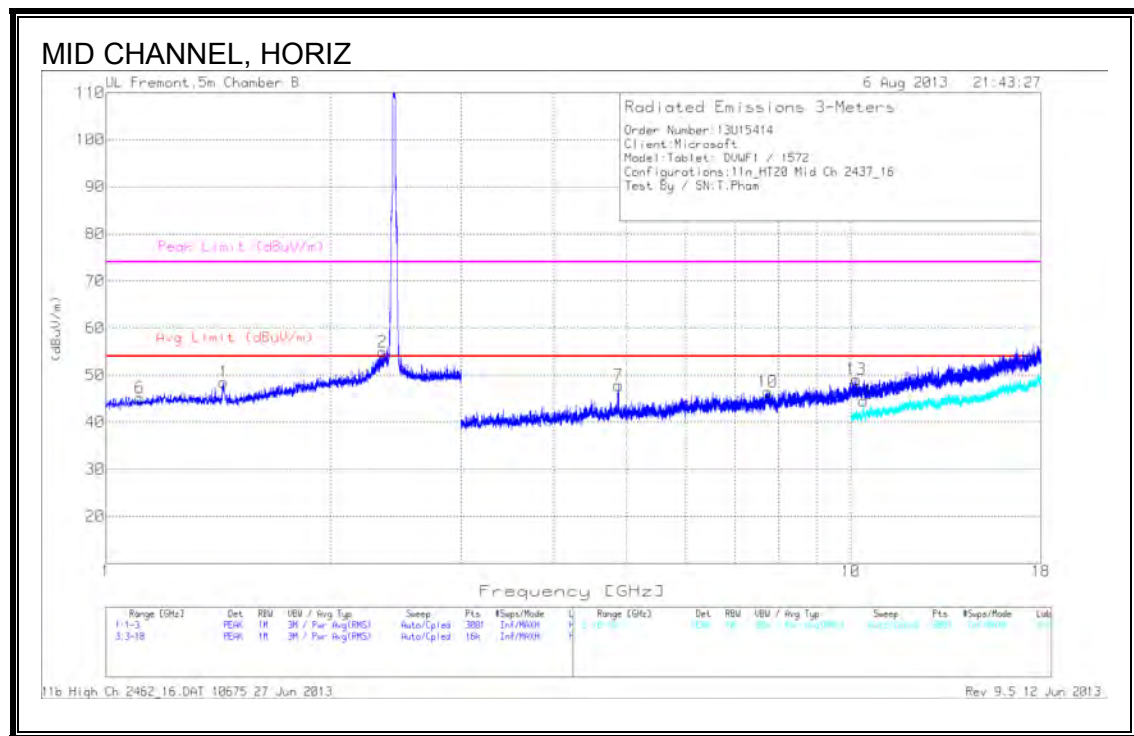
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.924	43.24	PK	31.3	-24.1	50.44	-	-	74	-23.56	0-360	100	H
1.442	42.75	PK	28.3	-24.8	46.25	-	-	74	-27.75	0-360	100	V
4.839	42.11	PK	34.7	-30	46.81	53.97	-7.16	74	-27.19	0-360	100	H
3.138	41.58	PK	33.2	-31.9	42.88	53.97	-11.09	74	-31.12	0-360	200	V
4.838	43.9	PK	34.7	-30	48.6	53.97	-5.37	74	-25.4	0-360	100	V
1.921	33.58	PK	31.3	-24.1	40.78	53.97	-13.19	-	-	0-360	100	H
1.439	34.63	PK	28.3	-24.8	38.13	53.97	-15.84	-	-	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4.838	28.22	Av	34.7	-30	32.92	53.97	-21.05	-	-	0	111	V

PK - Peak detector

Av - average detection

MID CHANNEL, 2437 MHZ



MID Channel DATA

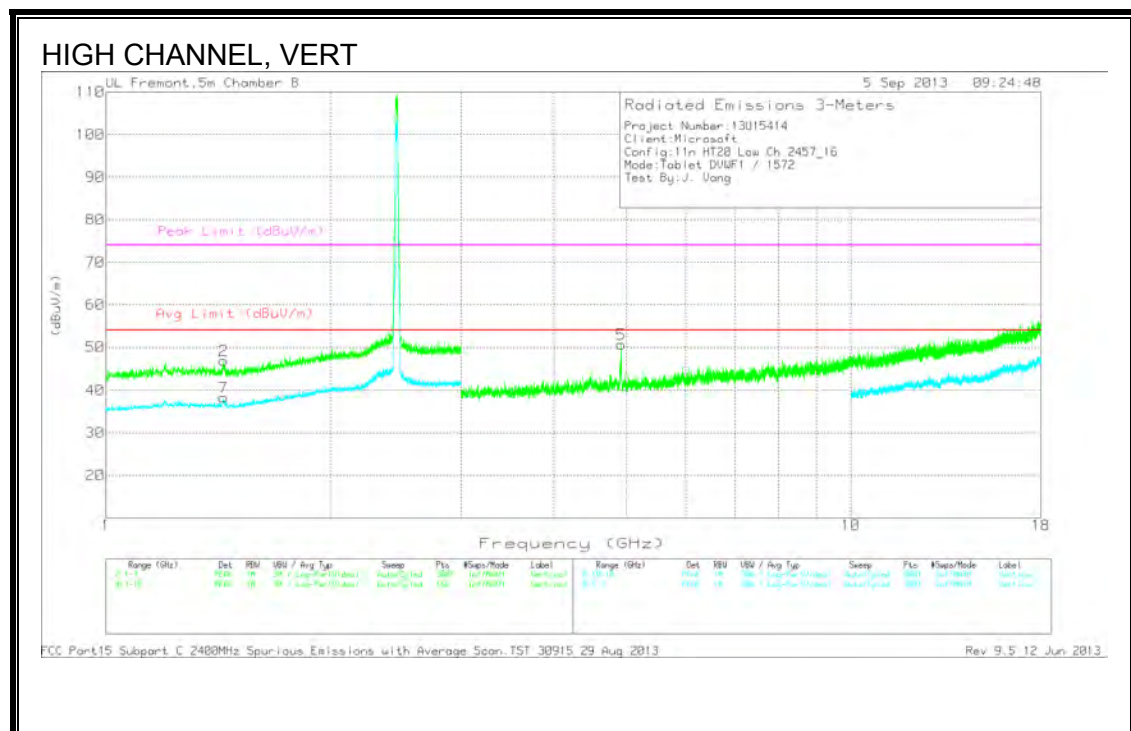
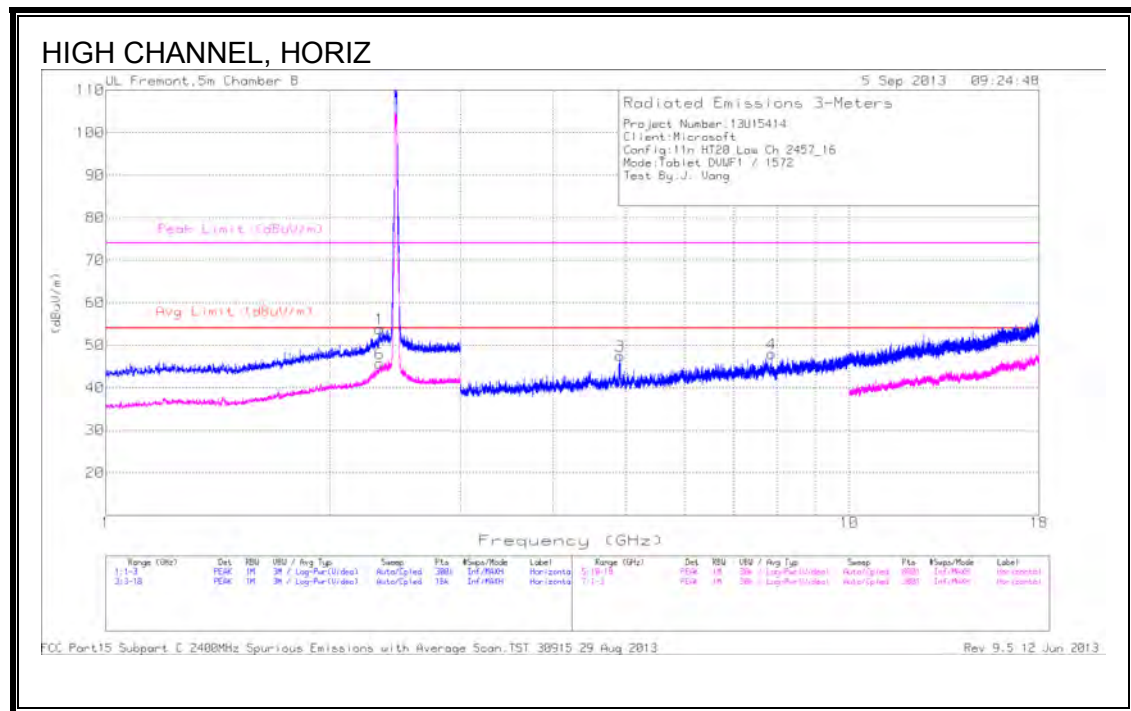
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.44	44.94	PK	28.3	-24.8	48.44	53.97	-5.53	74	-25.56	0-360	200	H
2.353	46.02	PK	32.3	-23.4	54.92	53.97	.95	74	-19.08	0-360	100	H
1.111	42.59	PK	27.9	-25.3	45.19	53.97	-8.78	74	-28.81	0-360	200	H
1.114	49.59	PK	27.9	-25.3	52.19	53.97	-1.78	74	-21.81	0-360	100	V
1.441	43.26	PK	28.3	-24.8	46.76	53.97	-7.21	74	-27.24	0-360	200	V
2.349	43.16	PK	32.3	-23.5	51.96	53.97	-2.01	74	-22.04	0-360	200	V
4.879	44.23	PK	34.6	-31	47.83	53.97	-6.14	74	-26.17	0-360	200	H
7.736	36.11	PK	36.2	-25.9	46.41	53.97	-7.56	74	-27.59	0-360	200	H
10.171	35.19	PK	37.9	-24	49.09	53.97	-4.88	74	-24.91	0-360	100	H
4.864	45.81	PK	34.7	-30.9	49.61	53.97	-4.36	74	-24.39	0-360	100	V
7.733	36.51	PK	36.2	-25.7	47.01	53.97	-6.96	74	-26.99	0-360	100	V
10.176	34.17	PK	37.9	-23.9	48.17	53.97	-5.8	74	-25.83	0-360	100	V
10.4	29.51	PK	38.1	-23.1	44.51	53.97	-9.46	74	-29.49	0-360	200	H
10.382	27.68	PK	38.1	-23.5	42.28	53.97	-11.69	74	-31.72	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.44	35.66	Av	28.3	-24.8	39.16	53.97	-14.81	-	-	171	138	H
2.36	33.74	Av	32.3	-23.2	42.84	53.97	-11.13	-	-	334	160	H
1.114	32.07	Av	27.9	-25.3	34.67	53.97	-19.3	-	-	80	312	V
2.35	32.87	Av	32.3	-23.5	41.67	53.97	-12.3	-	-	0	172	V
4.879	34.61	Av	34.6	-31	38.21	53.97	-15.76	-	-	0	229	V
10.181	23.83	Av	37.9	-23.8	37.93	53.97	-16.04	-	-	1	159	H
10.175	23.91	Av	37.9	-23.9	37.91	53.97	-16.06	-	-	104	130	V

PK - Peak detector

Av - Average detection

HIGH CHANNEL 10, 2457 MHz



HIGH CHANNEL DATA

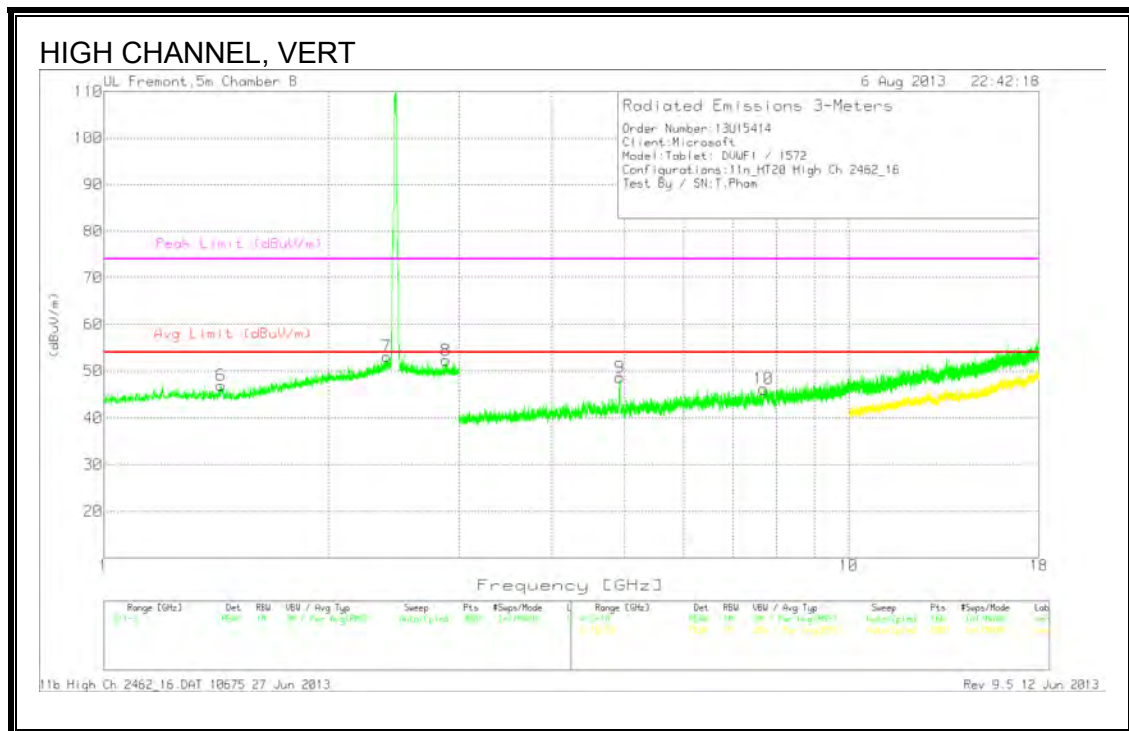
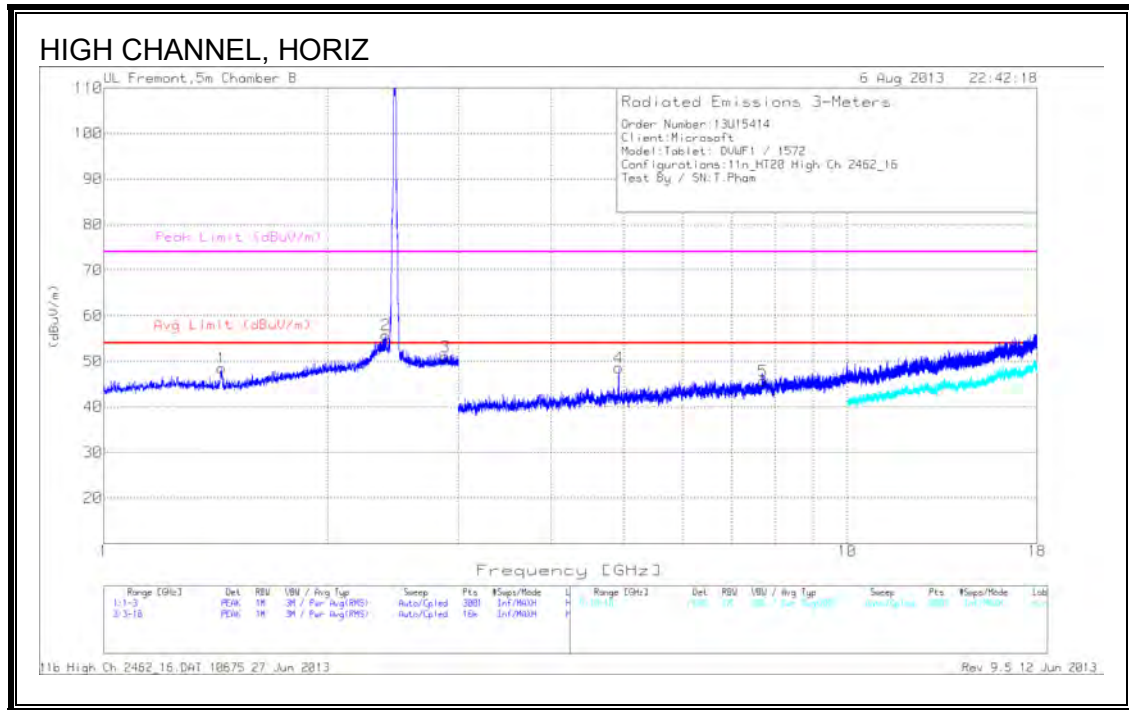
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.336	45.04	PK	32.2	-23.4	53.84	-	-	74	-20.16	0-360	100	H
1.44	43.38	PK	28.3	-24.8	46.88	-	-	74	-27.12	0-360	100	V
4.919	44.28	PK	34.6	-31.4	47.48	53.97	-6.49	74	-26.52	0-360	100	H
7.864	38.95	PK	36.2	-27.2	47.95	53.97	-6.02	74	-26.05	0-360	100	H
4.919	47.46	PK	34.6	-31.4	50.66	53.97	-3.31	74	-23.34	0-360	100	V
2.337	37.01	PK	32.2	-23.5	45.71	53.97	-8.26	-	-	0-360	100	H
1.439	34.84	PK	28.3	-24.8	38.34	53.97	-15.63	-	-	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4.919	32.35	Av	34.6	-31.4	35.55	53.97	-18.42	-	-	8	107	V

PK - Peak detector

Av - Average detection

HIGH CHANNEL 11, 2462 MHz



HIGH CHANNEL DATA

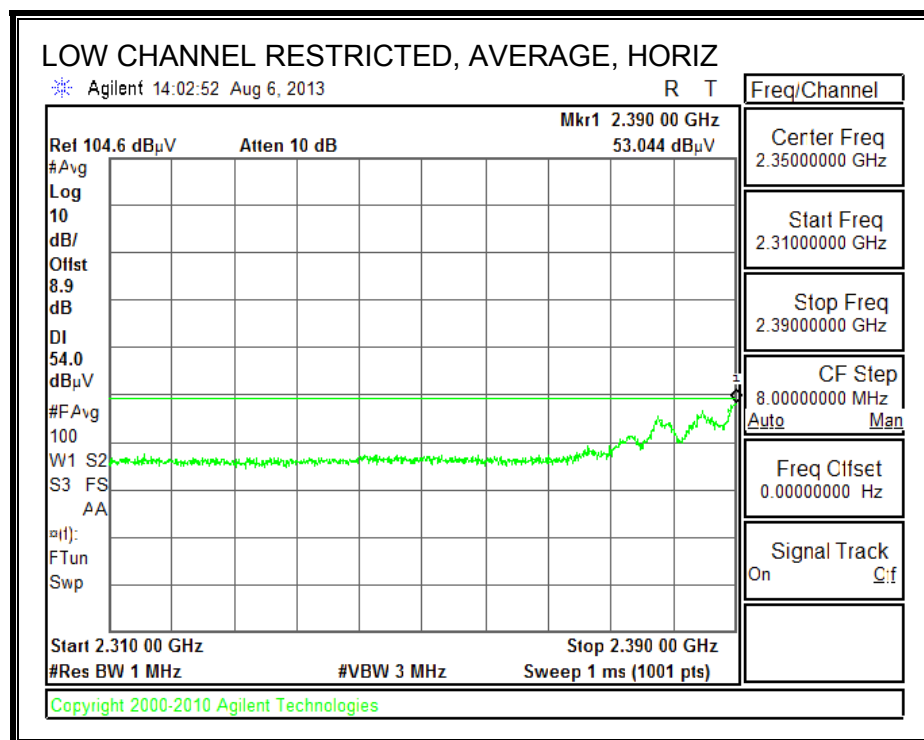
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.441	45.01	PK	28.3	-24.8	48.51	53.97	-5.46	74	-25.49	0-360	100	H
2.397	46.75	PK	32.3	-23.3	55.75	53.97	1.78	74	-18.25	0-360	100	H
2.883	40.88	PK	33	-22.9	50.98	53.97	-2.99	74	-23.02	0-360	100	H
1.437	43.3	PK	28.3	-24.7	46.9	53.97	-7.07	74	-27.1	0-360	100	V
2.398	44.11	PK	32.3	-23.3	53.11	53.97	-.86	74	-20.89	0-360	100	V
2.88	42.15	PK	33	-22.9	52.25	53.97	-1.72	74	-21.75	0-360	100	V
4.928	45.06	PK	34.6	-31.1	48.56	53.97	-5.41	74	-25.44	0-360	100	H
7.705	35.85	PK	36.2	-26.4	45.65	53.97	-8.32	74	-28.35	0-360	100	H
4.928	45.1	PK	34.6	-31.1	48.6	53.97	-5.37	74	-25.4	0-360	100	V
7.686	36.95	PK	36.1	-26.9	46.15	53.97	-7.82	74	-27.85	0-360	200	V

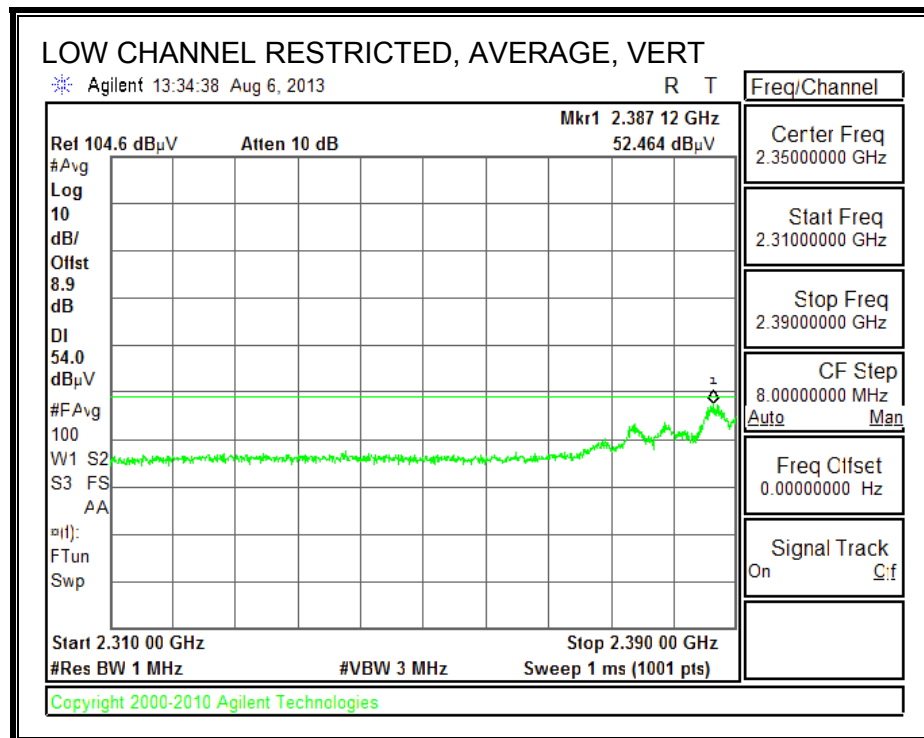
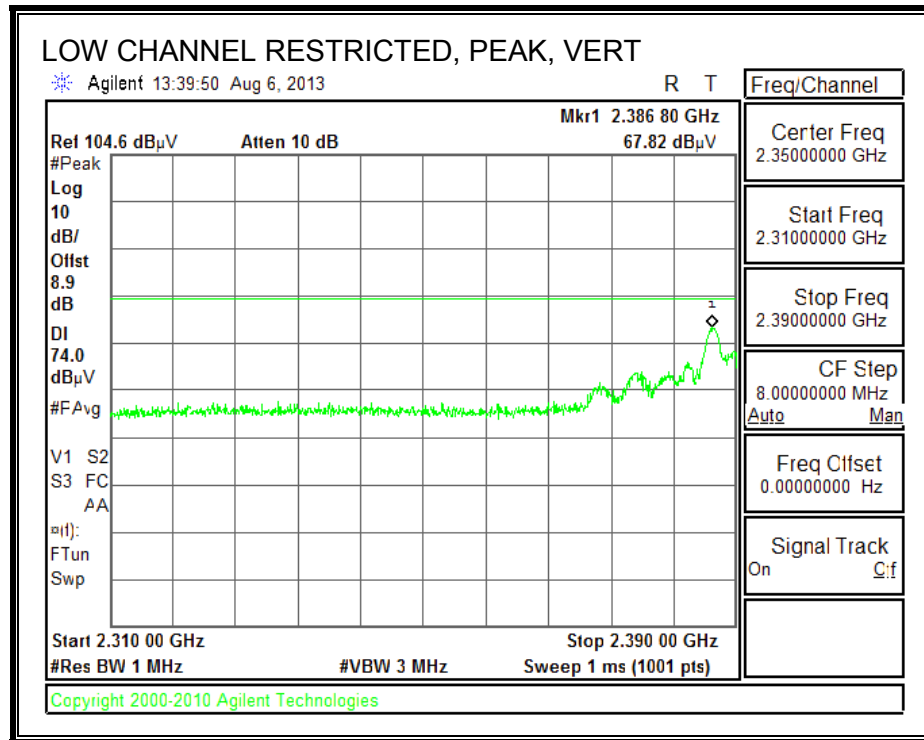
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.44	35.83	Av	28.3	-24.8	39.33	53.97	-14.64	-	-	171	132	H
2.396	34.43	Av	32.3	-23.3	43.43	53.97	-10.54	-	-	181	103	H
2.883	30.3	Av	33	-22.9	40.4	53.97	-13.57	-	-	193	257	H
2.398	32.86	Av	32.3	-23.3	41.86	53.97	-12.11	-	-	318	246	V
2.88	30.91	Av	33	-22.9	41.01	53.97	-12.96	-	-	155	179	V
4.928	34.52	Av	34.6	-31.1	38.02	53.97	-15.95	-	-	162	101	H
4.927	31.1	Av	34.6	-31.2	34.5	53.97	-19.47	-	-	115	167	V

PK - Peak detector

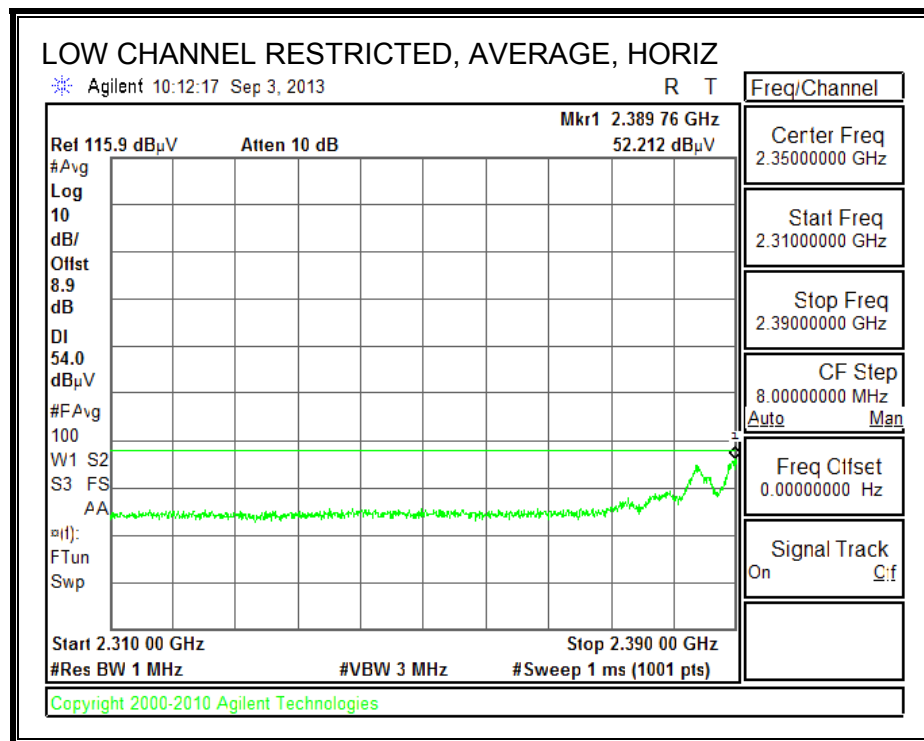
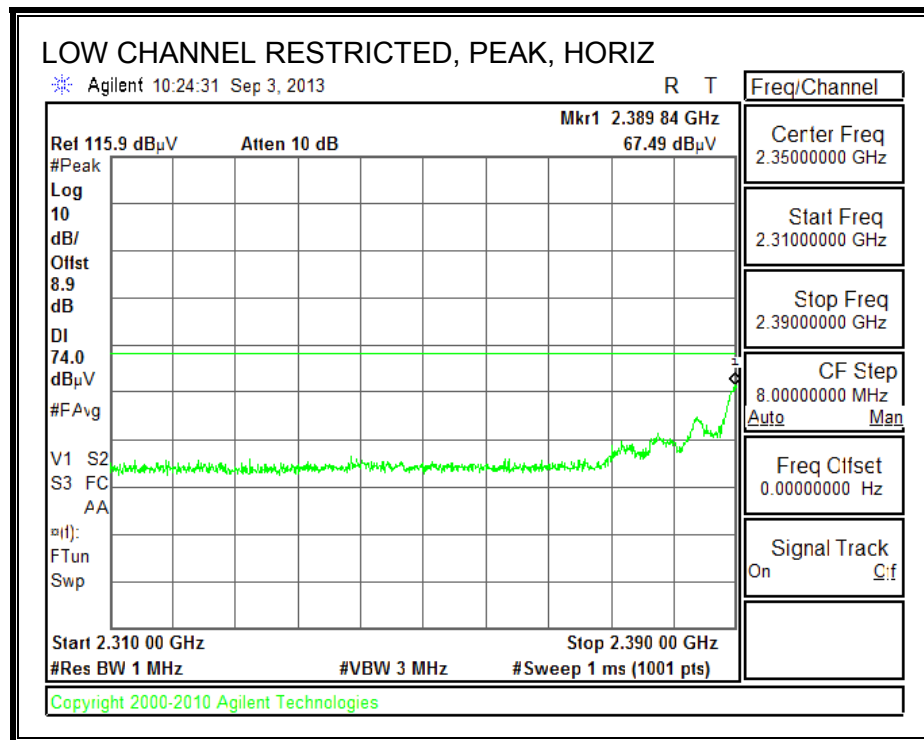
Av – Average detection

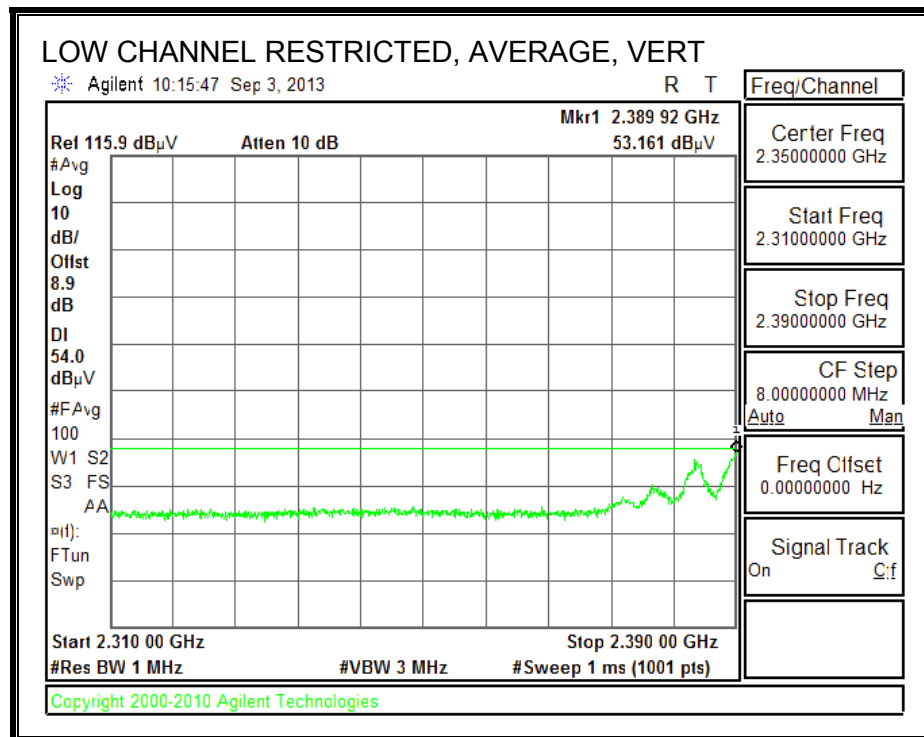
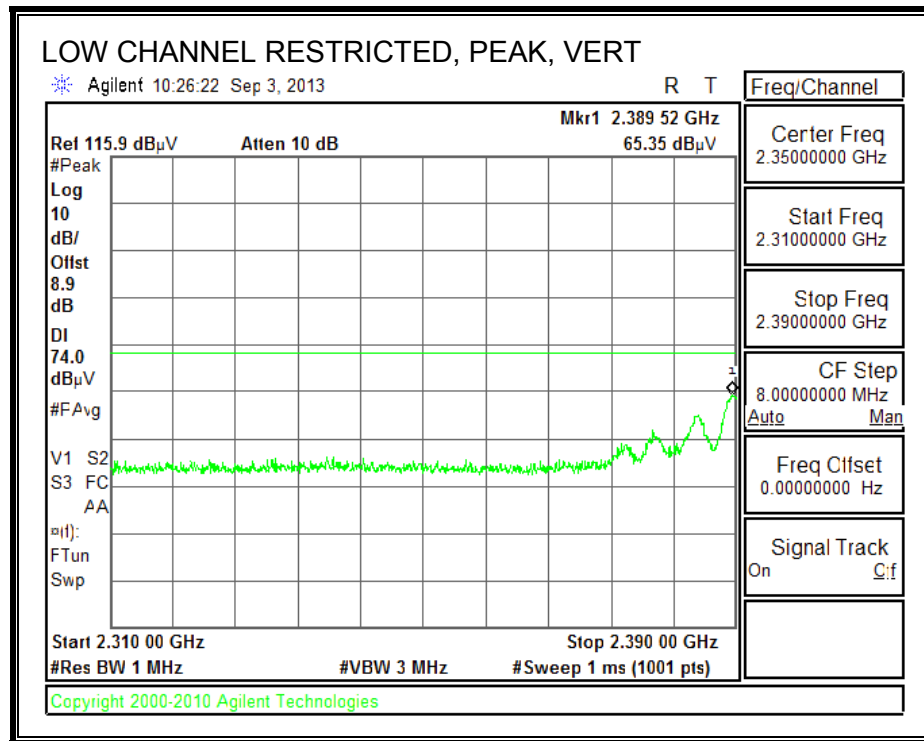
RESTRICTED BANDEDGE (LOW CHANNEL 3, 2422 MHz)



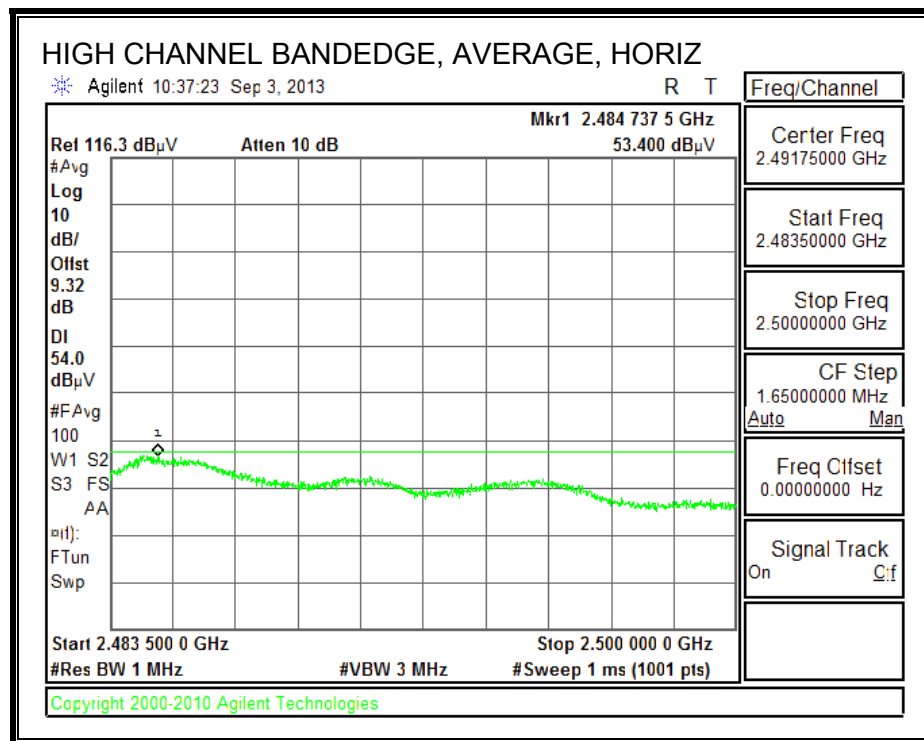
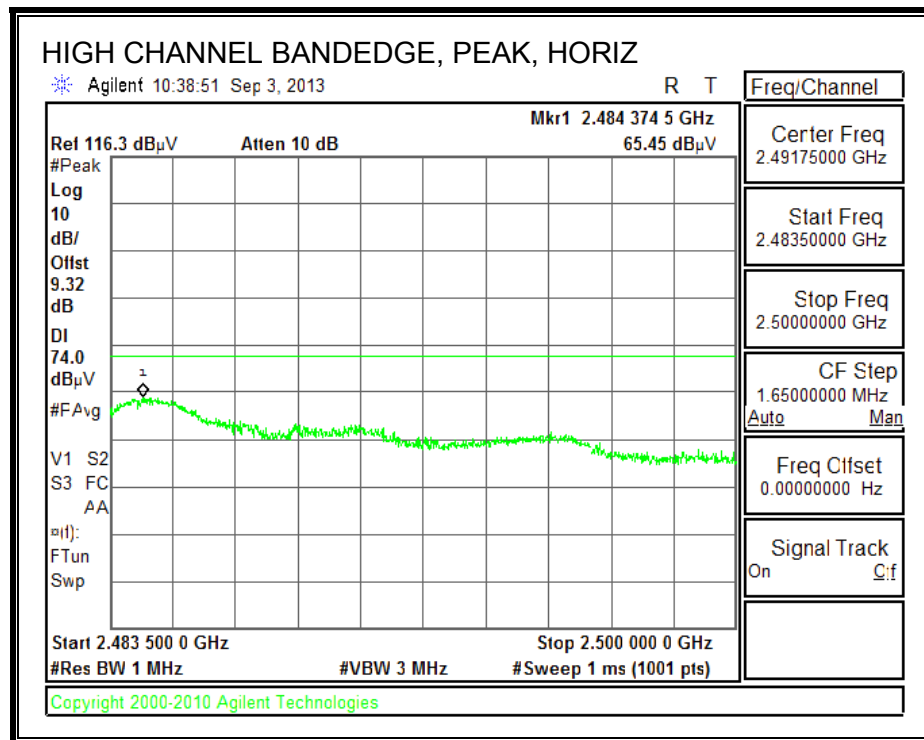


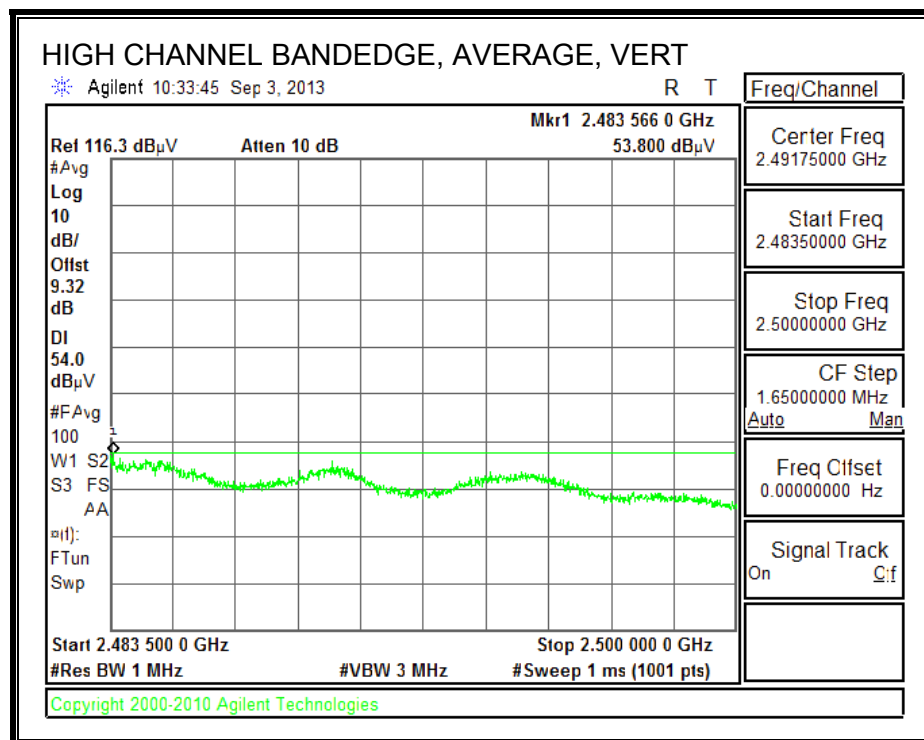
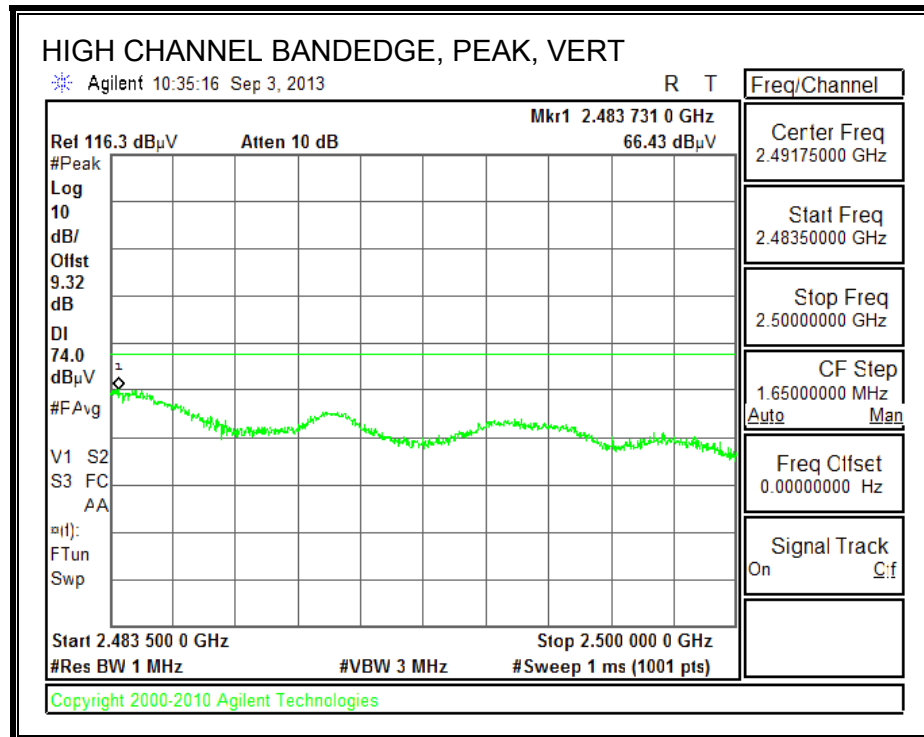
RESTRICTED BANDEDGE (LOW CHANNEL 4, 2427 MHz)

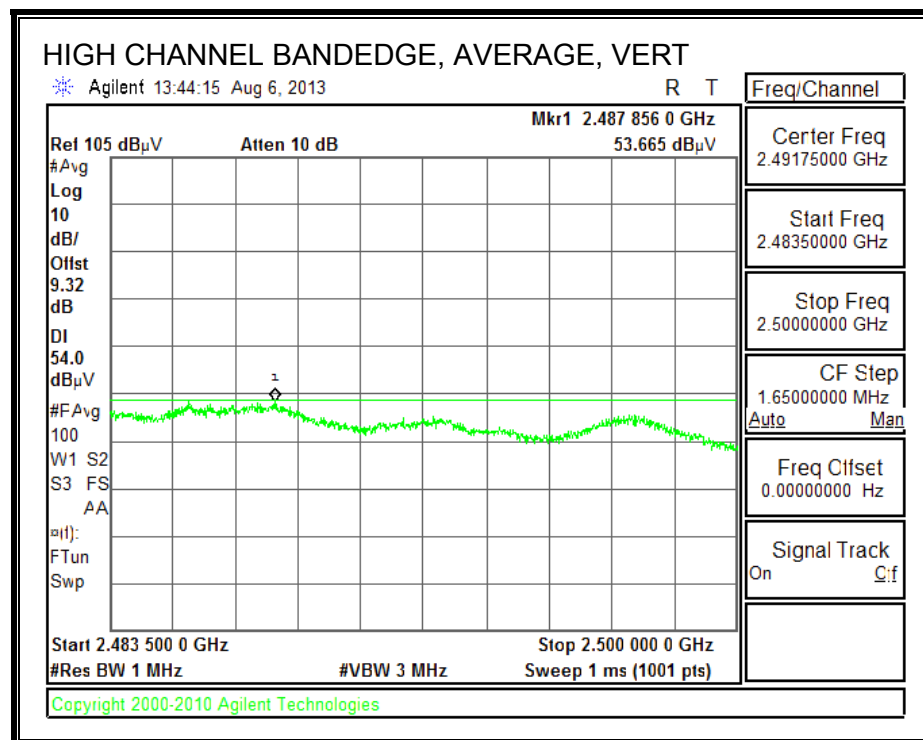




AUTHORIZED BANDEDGE (HIGH CHANNEL 8, 2447 MHz)

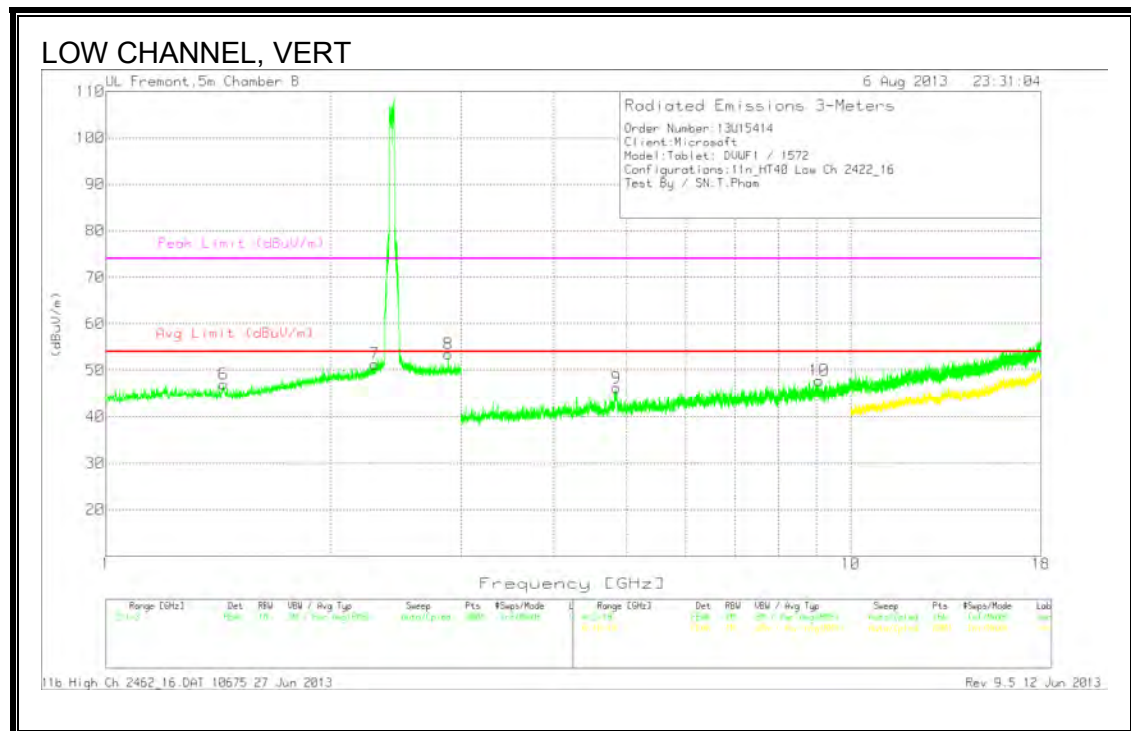
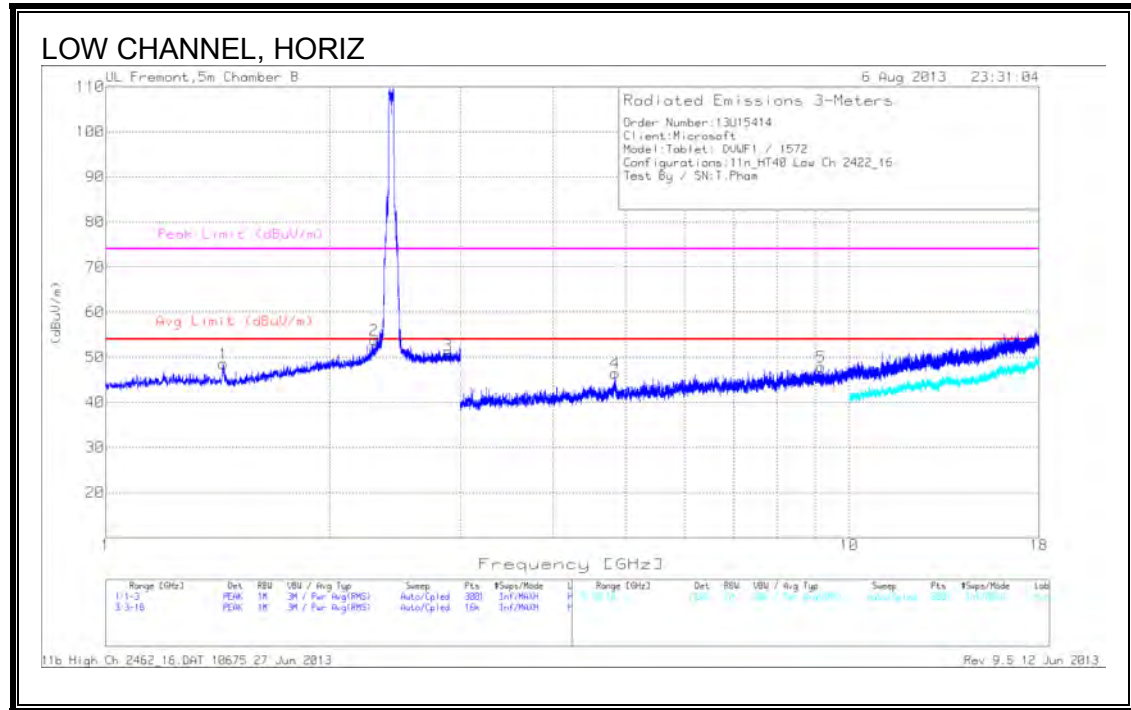






HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 3, 2422 MHz



LOW Channel 3 DATA

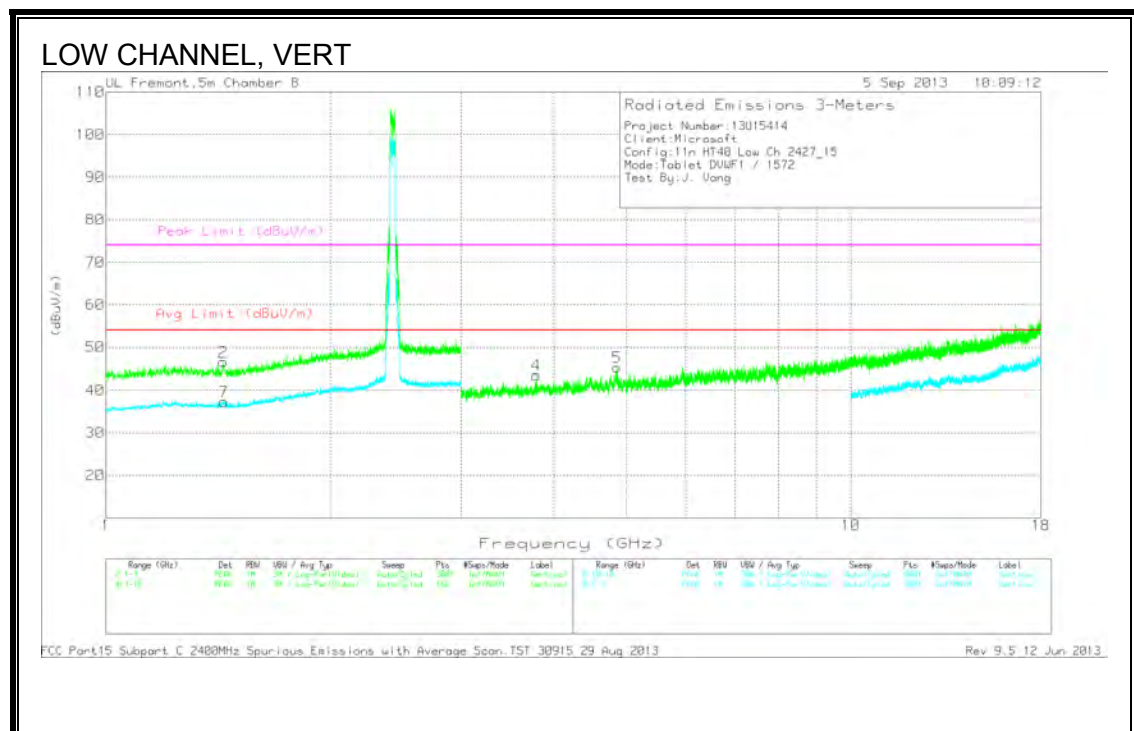
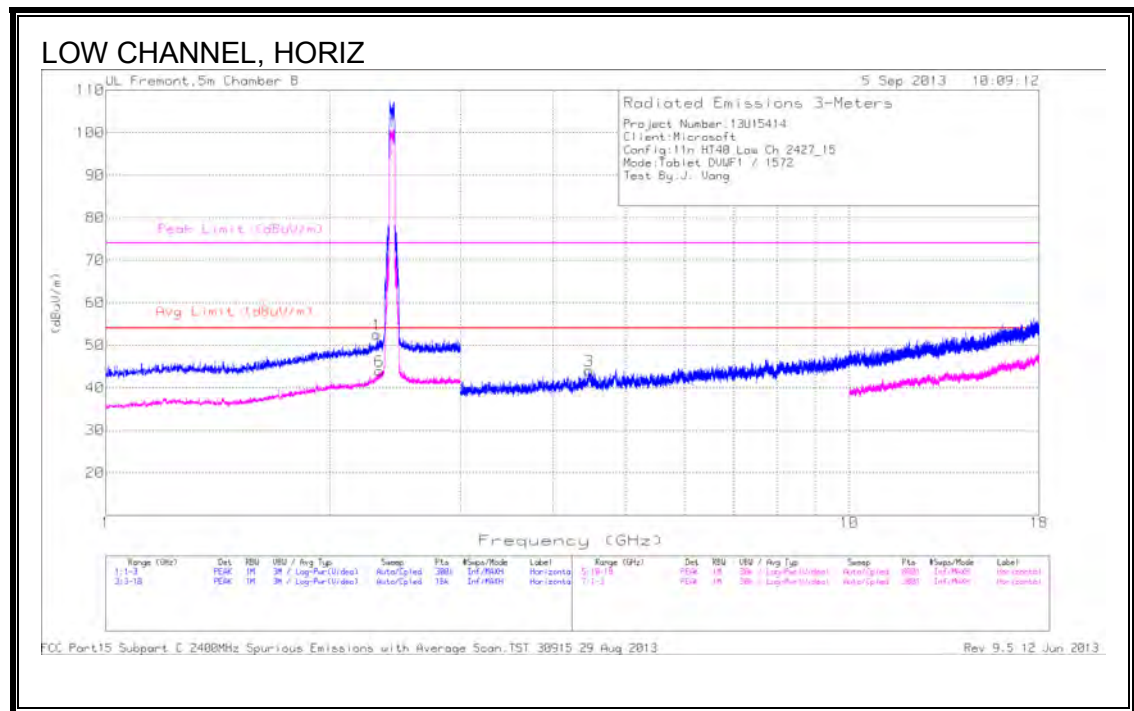
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.44	45.05	PK	28.3	-24.8	48.55	53.97	-5.42	74	-25.45	0-360	100	H
2.297	45.19	PK	32.2	-23.6	53.79	53.97	-.18	74	-20.21	0-360	100	H
2.885	40.37	PK	33	-22.9	50.47	53.97	-3.5	74	-23.53	0-360	100	H
1.439	43.52	PK	28.3	-24.8	47.02	53.97	-6.95	74	-26.98	0-360	100	V
2.297	42.73	PK	32.2	-23.6	51.33	53.97	-2.64	74	-22.67	0-360	200	V
2.883	43.38	PK	33	-22.9	53.48	53.97	-.49	74	-20.52	0-360	100	V
4.843	41.96	PK	34.7	-30.2	46.46	53.97	-7.51	74	-27.54	0-360	100	H
9.167	36.53	PK	36.9	-25.6	47.83	53.97	-6.14	74	-26.17	0-360	200	H
4.849	41.92	PK	34.7	-30.4	46.22	53.97	-7.75	74	-27.78	0-360	100	V
9.069	35.67	PK	36.8	-24.7	47.77	53.97	-6.2	74	-26.23	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.439	35.1	Av	28.3	-24.8	38.6	53.97	-15.37	-	-	163	191	H
2.295	31.07	Av	32.2	-23.6	39.67	53.97	-14.3	-	-	284	394	H
2.884	30.23	Av	33	-22.9	40.33	53.97	-13.64	-	-	79	274	H
2.297	33.45	Av	32.2	-23.6	42.05	53.97	-11.92	-	-	301	173	V
2.883	30.24	Av	33	-22.9	40.34	53.97	-13.63	-	-	97	196	V

PK - Peak detector

Av – Average detection

LOW CHANNEL 4, 2427

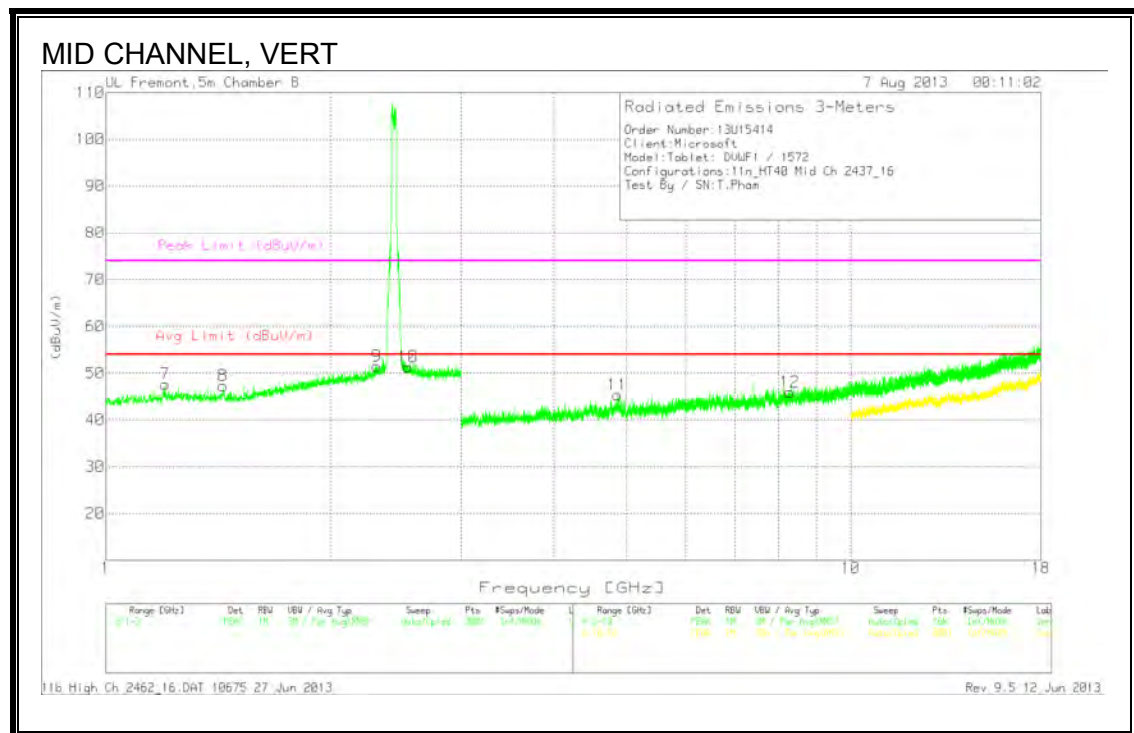
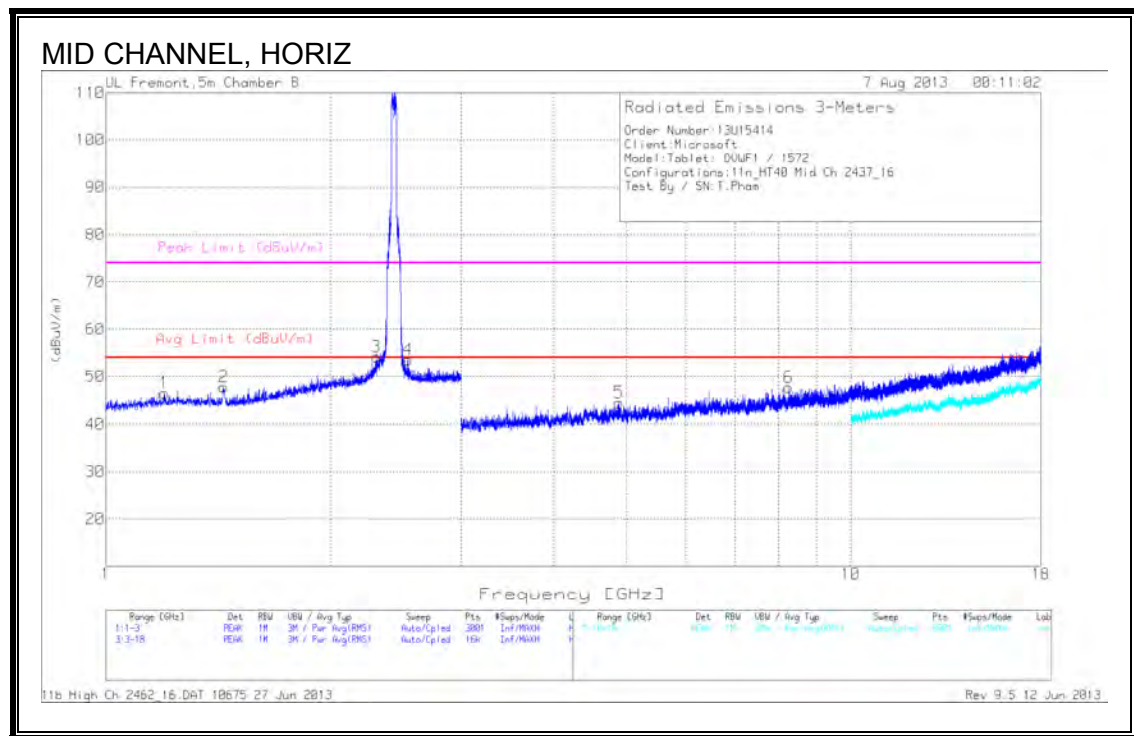


LOW Channel 4 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.317	43.72	PK	32.2	-23.4	52.52	-	-	74	-21.48	0-360	100	H
1.437	42.97	PK	28.3	-24.7	46.57	53.97	-7.4	74	-27.43	0-360	100	V
4.468	38.81	PK	34.4	-29.2	44.01	53.97	-9.96	74	-29.99	0-360	200	H
3.785	41.02	PK	33.8	-31.3	43.52	53.97	-10.45	74	-30.48	0-360	100	V
4.856	41.38	PK	34.7	-30.8	45.28	53.97	-8.69	74	-28.72	0-360	100	V
2.335	35.16	PK	32.2	-23.4	43.96	53.97	-10.01	-	-	0-360	100	H
1.441	33.88	PK	28.3	-24.8	37.38	53.97	-16.59	74	-36.62	0-360	200	V

PK - Peak detector

MID CHANNEL 6, 2437 MHZ



MID Channel 6 DATA

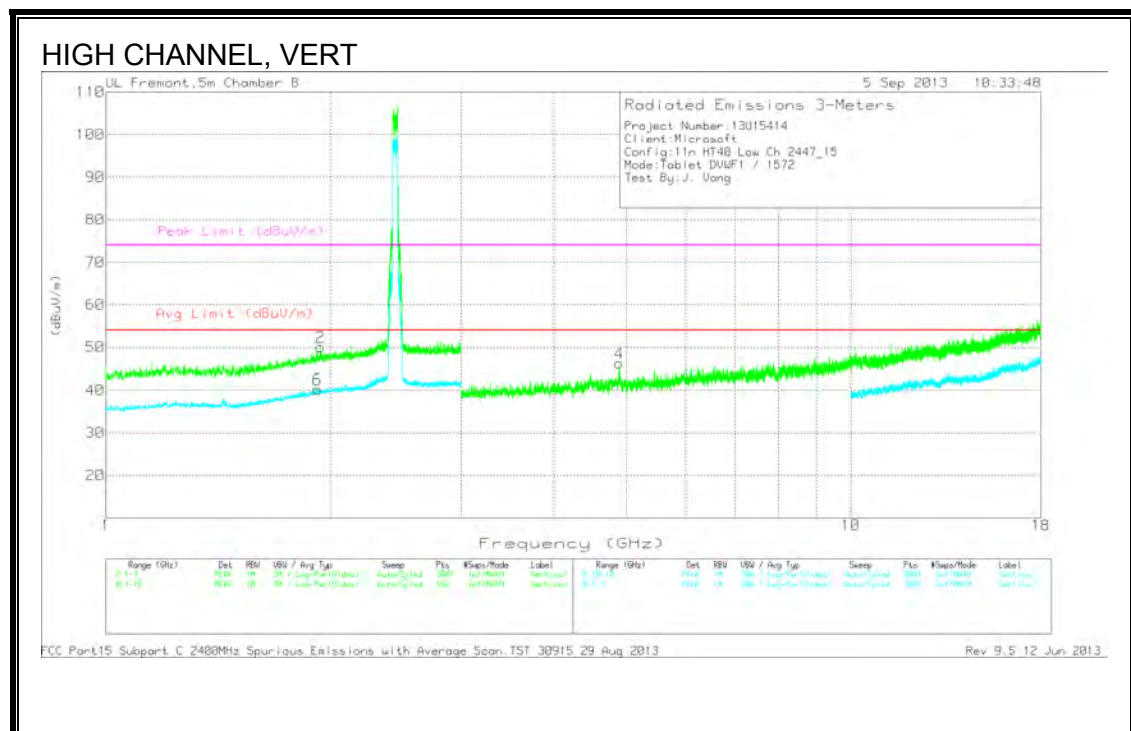
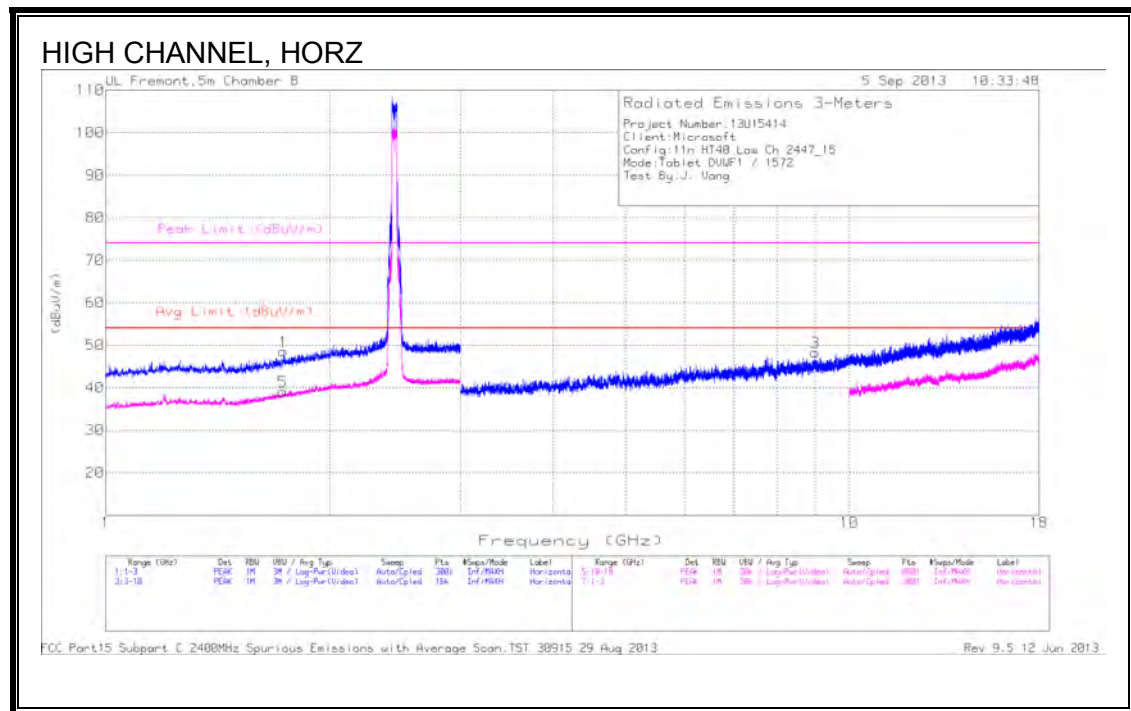
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.199	43.32	PK	28.4	-25.2	46.52	53.97	-7.45	74	-27.48	0-360	100	H
1.439	44.26	PK	28.3	-24.8	47.76	53.97	-6.21	74	-26.24	0-360	100	H
2.309	45.36	PK	32.2	-23.4	54.16	53.97	.19	74	-19.84	0-360	100	H
2.545	44.04	PK	32.6	-23.1	53.54	53.97	-.43	74	-20.46	0-360	200	H
1.202	44.44	PK	28.4	-25.2	47.64	53.97	-6.33	74	-26.36	0-360	100	V
1.437	43.73	PK	28.3	-24.7	47.33	53.97	-6.64	74	-26.67	0-360	100	V
2.31	42.67	PK	32.2	-23.4	51.47	53.97	-2.5	74	-22.53	0-360	200	V
2.545	41.81	PK	32.6	-23.1	51.31	53.97	-2.66	74	-22.69	0-360	100	V
4.886	40.93	PK	34.6	-31	44.53	53.97	-9.44	74	-29.47	0-360	100	H
8.252	37.78	PK	36.1	-26.2	47.68	53.97	-6.29	74	-26.32	0-360	100	H
4.862	41.57	PK	34.7	-30.9	45.37	53.97	-8.6	74	-28.63	0-360	100	V
8.286	36.21	PK	36.1	-26.4	45.91	53.97	-8.06	74	-28.09	0-360	200	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.31	35.49	Av	32.2	-23.4	44.29	53.97	-9.68	-	-	262	127	H
2.547	31.3	Av	32.6	-23.1	40.8	53.97	-13.17	-	-	62	116	H
2.312	34.44	Av	32.2	-23.4	43.24	53.97	-10.73	-	-	290	141	V
2.547	30.25	Av	32.6	-23.1	39.75	53.97	-14.22	-	-	204	223	V

PK - Peak detector

Av – Average detection

HIGH CHANNEL 8, 2447 MHz



HIGH CHANNEL 8 DATA

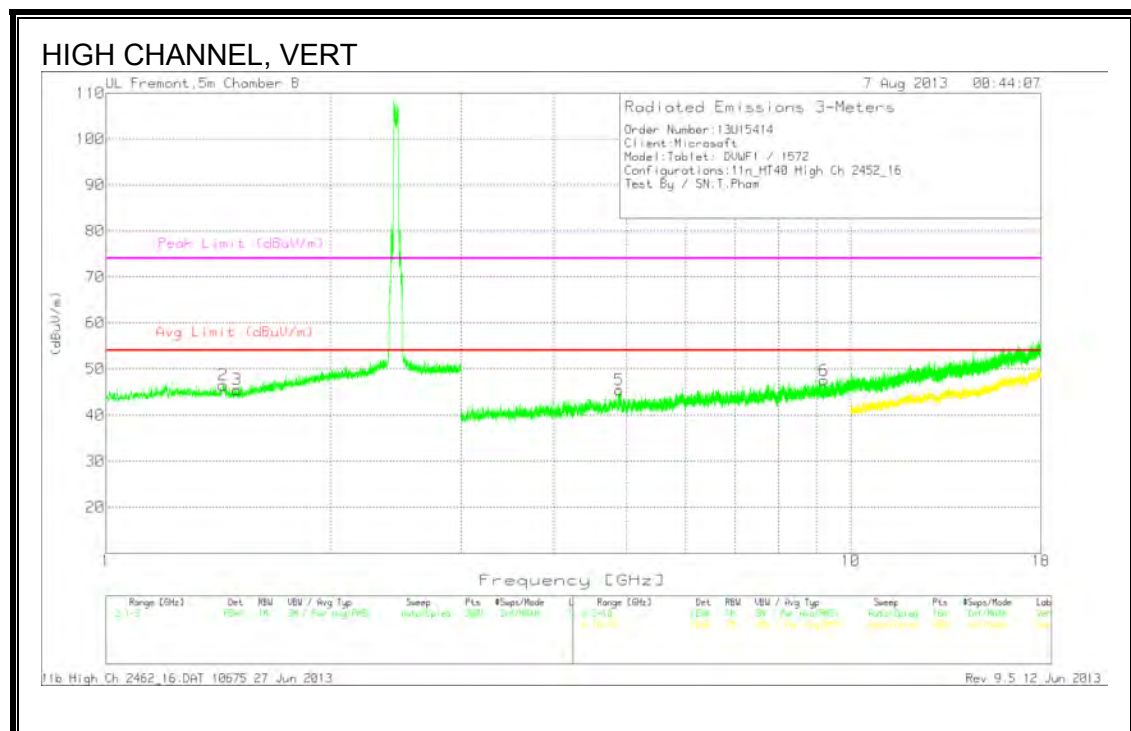
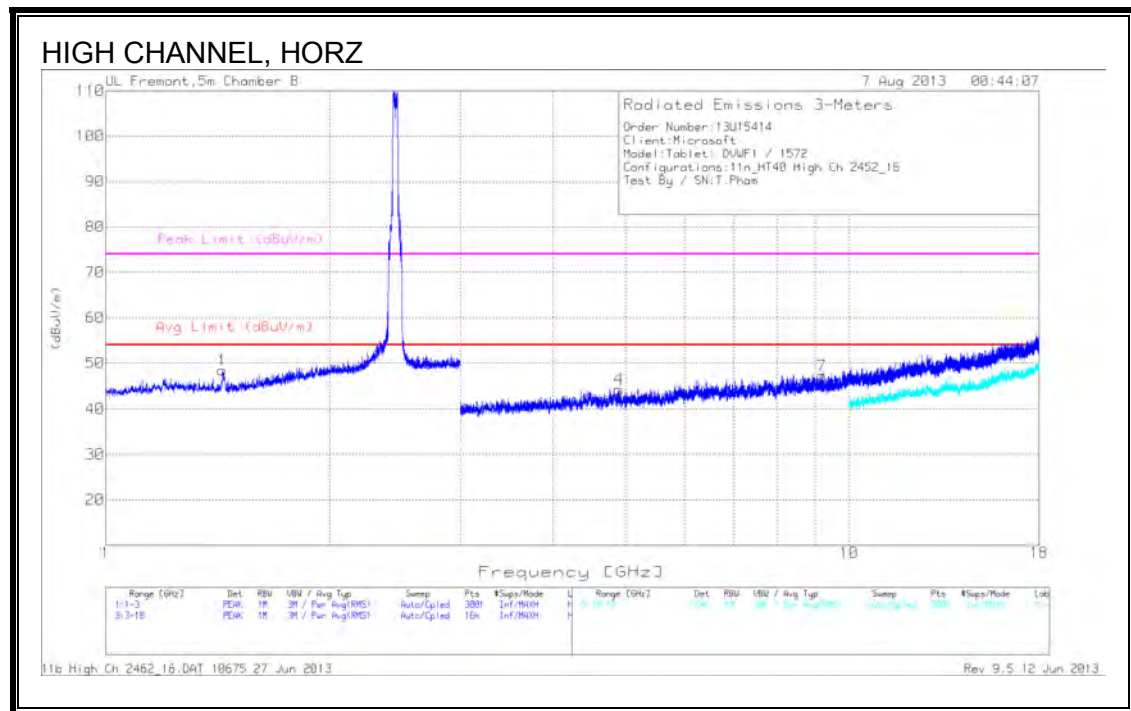
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.735	42.83	PK	30	-24.3	48.53	-	-	74	-25.47	0-360	200	H
1.942	42.67	PK	31.4	-24	50.07	-	-	74	-23.93	0-360	200	V
8.999	36.31	PK	36.8	-24.8	48.31	53.97	-5.66	74	-25.69	0-360	200	H
4.892	42.73	PK	34.6	-31.1	46.23	53.97	-7.74	74	-27.77	0-360	100	V
1.73	33.49	PK	29.9	-24.3	39.09	53.97	-14.88	-	-	0-360	100	H
1.924	33.07	PK	31.3	-24.1	40.27	53.97	-13.7	-	-	0-360	200	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
9.006	19.87	Av	36.8	-25.1	31.57	53.97	-22.4	-	-	207	174	H

PK - Peak detector

Av - Average detection

HIGH CHANNEL 9, 2452 MHz



HIGH CHANNEL 9 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.435	44.79	PK	28.3	-24.7	48.39	53.97	-5.58	74	-25.61	0-360	100	H
1.438	42.92	PK	28.3	-24.7	46.52	53.97	-7.45	74	-27.48	0-360	100	V
1.5	41.99	PK	28.2	-24.7	45.49	53.97	-8.48	74	-28.51	0-360	200	V
4.902	40.99	PK	34.6	-31.3	44.29	53.97	-9.68	74	-29.71	0-360	100	H
9.19	35.67	PK	36.9	-25.4	47.17	53.97	-6.8	74	-26.83	0-360	100	H
4.891	41.96	PK	34.6	-31.1	45.46	53.97	-8.51	74	-28.54	0-360	100	V
9.203	35.79	PK	36.9	-25.2	47.49	53.97	-6.48	74	-26.51	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.436	34.28	Av	28.3	-24.7	37.88	53.97	-16.09	-	-	161	192	H

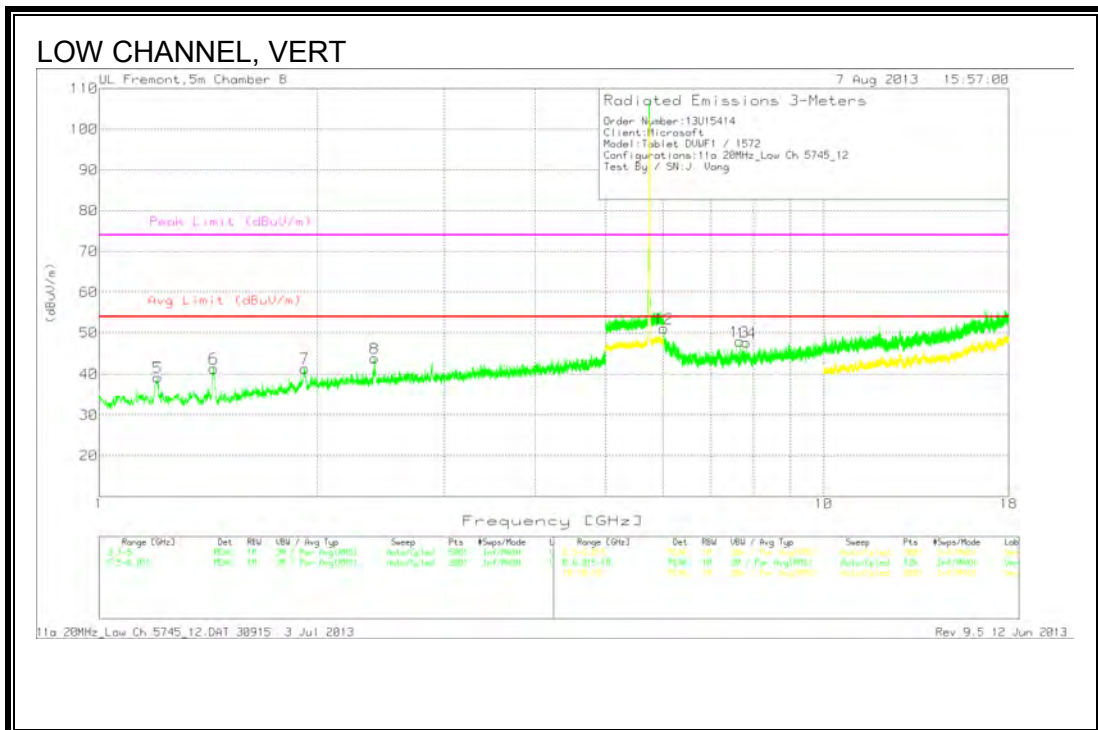
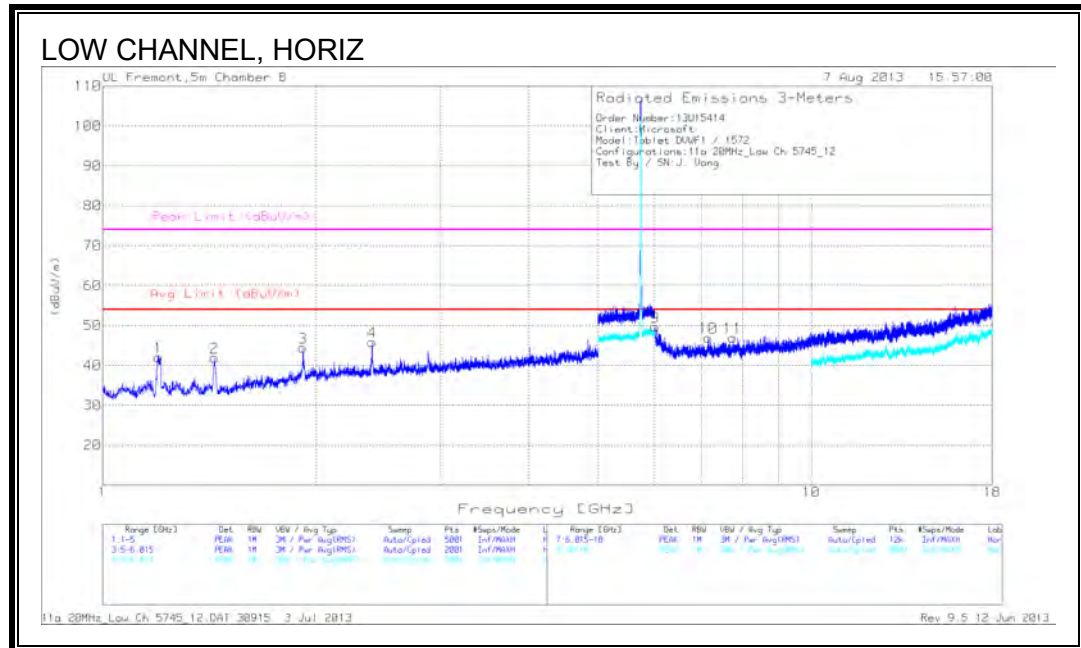
PK - Peak detector

Av – Average detection

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



LOW Channel DATA

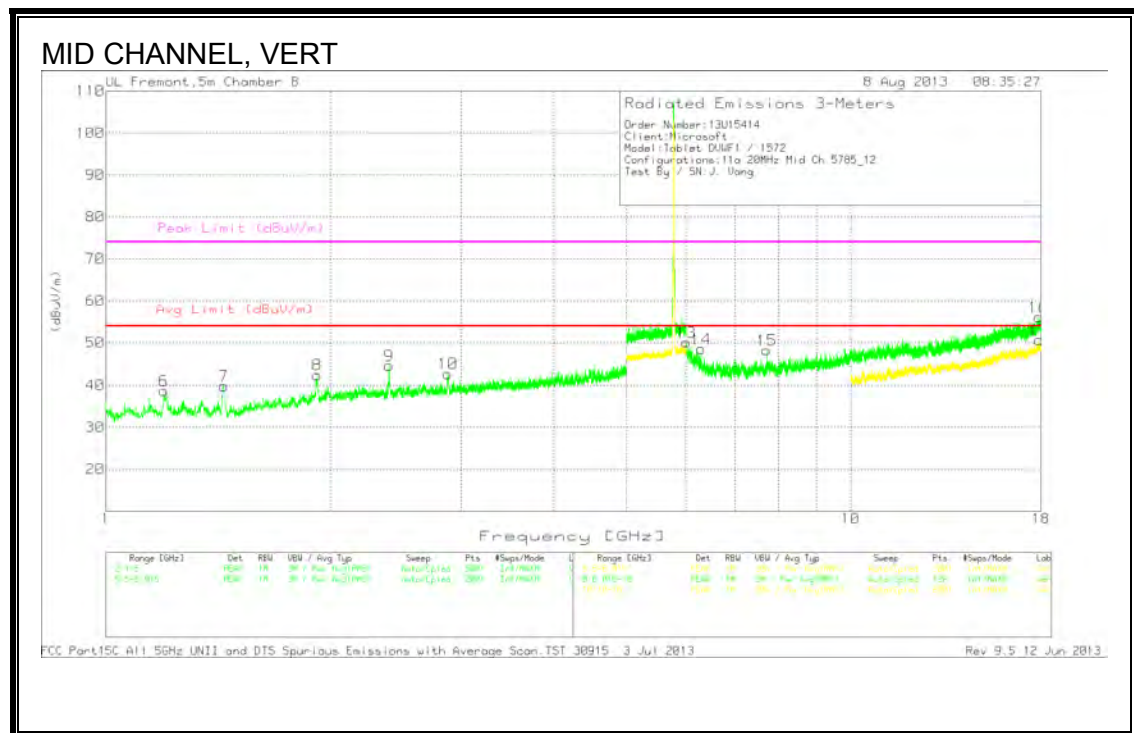
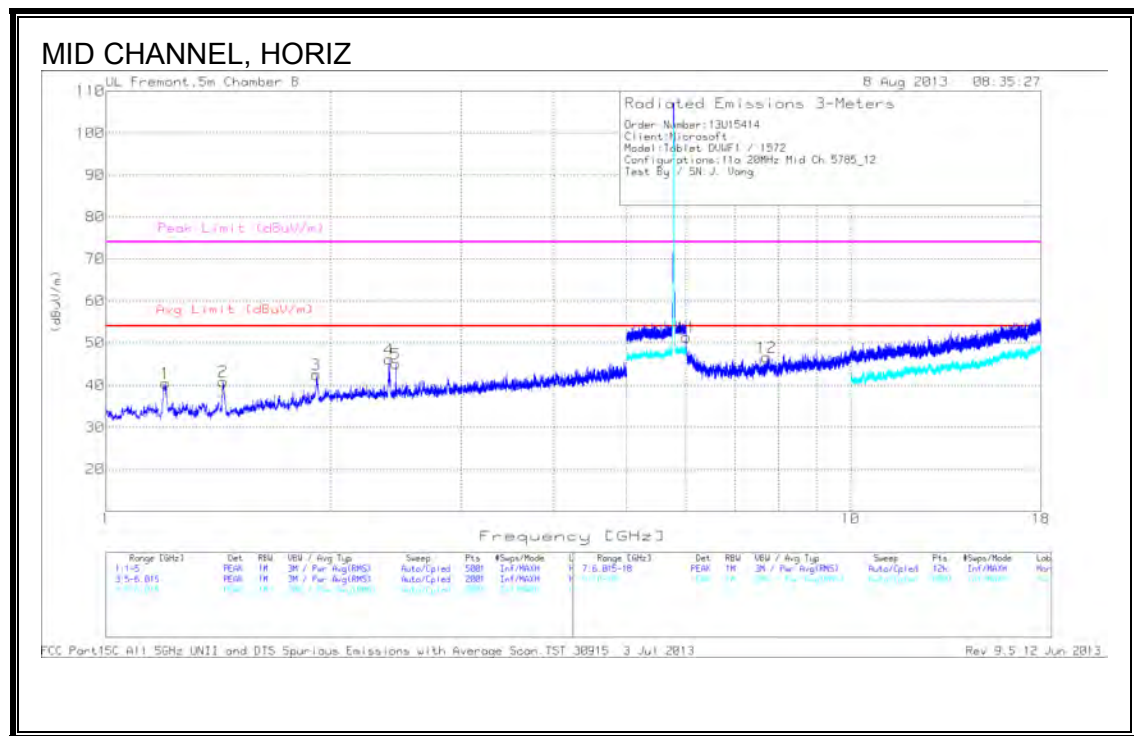
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.199	49.19	PK	28.4	-35.5	42.09	53.97	-11.88	74	-31.91	0-360	100	H
1.438	48.23	PK	28.3	-34.6	41.93	53.97	-12.04	74	-32.07	0-360	100	H
1.918	46.34	PK	31.2	-33.1	44.44	53.97	-9.53	74	-29.56	0-360	200	H
2.4	46.79	PK	32.3	-33.2	45.89	53.97	-8.08	74	-28.11	0-360	100	H
1.206	46.33	PK	28.4	-35.5	39.23	53.97	-14.74	74	-34.77	0-360	100	V
1.44	47.82	PK	28.3	-34.7	41.42	53.97	-12.55	74	-32.58	0-360	100	V
1.923	43.18	PK	31.3	-33.1	41.38	53.97	-12.59	74	-32.62	0-360	100	V
2.399	44.75	PK	32.3	-33.2	43.85	53.97	-10.12	74	-30.15	0-360	100	V
6.018	37.7	PK	35.9	-23.9	49.7	53.97	-4.27	74	-24.3	0-360	100	H
7.155	38.22	PK	35.8	-27.1	46.92	53.97	-7.05	74	-27.08	0-360	100	H
7.753	37.35	PK	36.2	-26.6	46.95	53.97	-7.02	74	-27.05	0-360	100	H
6.016	38.72	PK	35.9	-23.5	51.12	53.97	-2.85	74	-22.88	0-360	100	V
7.66	39.71	PK	36.1	-27.9	47.91	53.97	-6.06	74	-26.09	0-360	100	V
7.823	38.14	PK	36.2	-26.7	47.64	53.97	-6.33	74	-26.36	0-360	200	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.02	25.27	Av	35.9	-24.3	36.87	53.97	-17.1	-	-	21	210	H
6.021	26.83	Av	35.9	-24.4	38.33	53.97	-15.64	-	-	6	174	V

PK - Peak detector

Av - Average detection

MID CHANNEL



MID Channel DATA

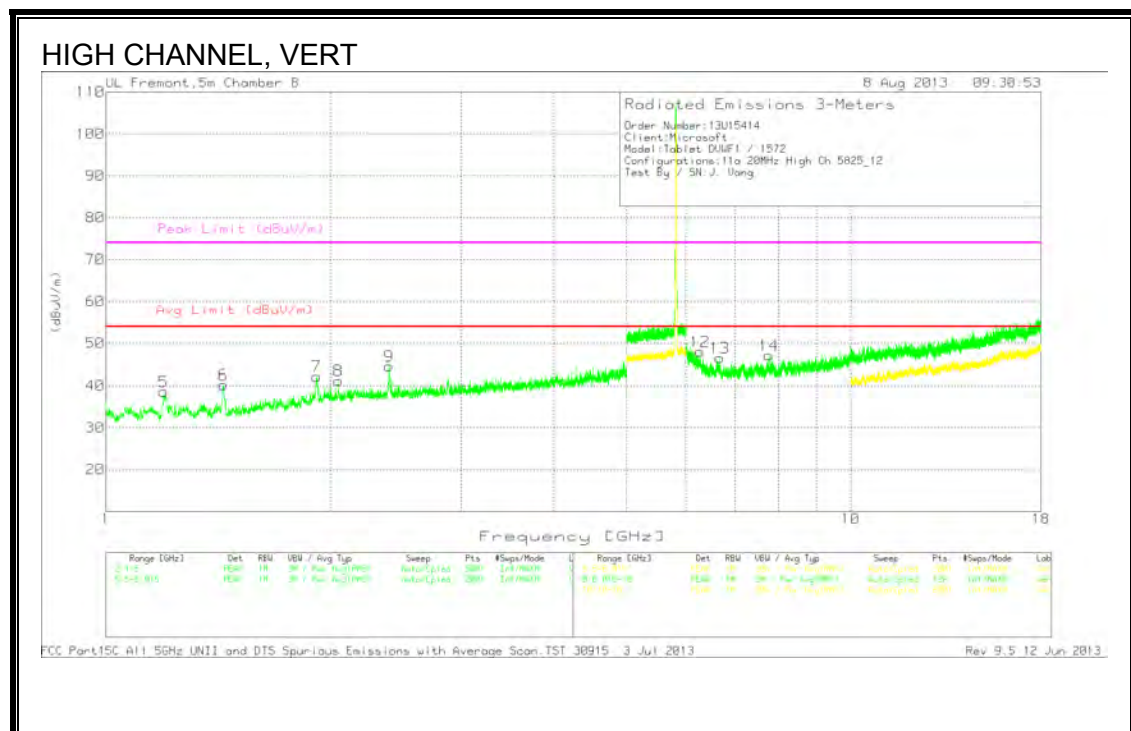
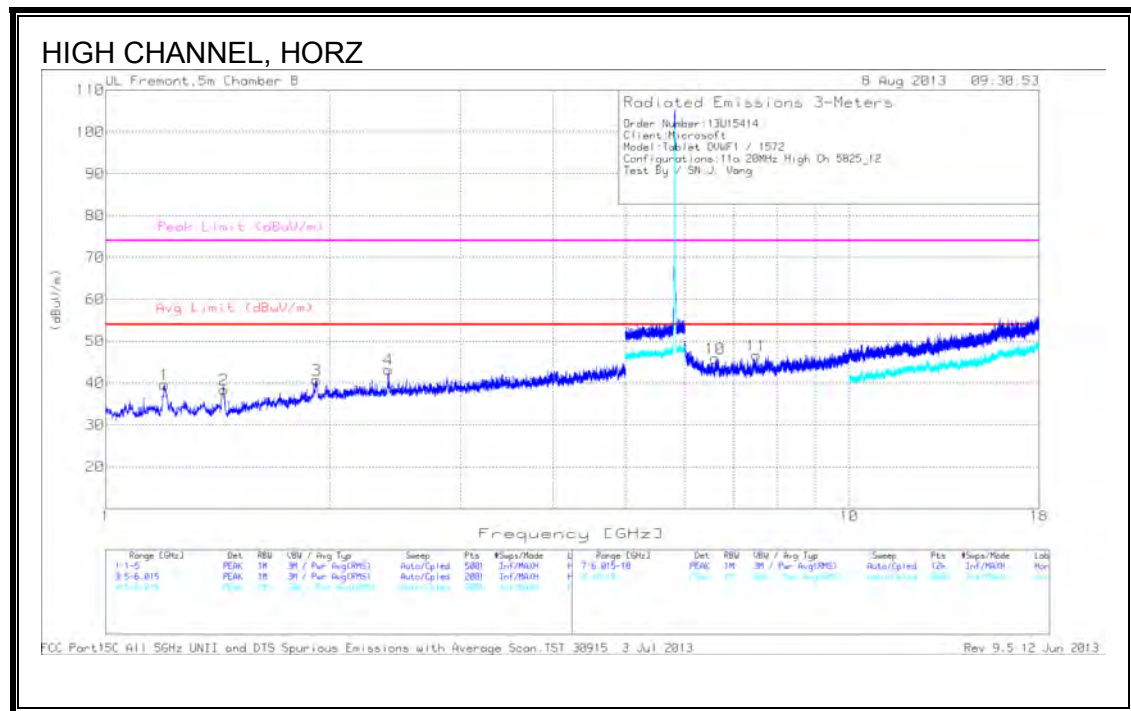
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.203	47.62	PK	28.4	-35.5	40.52	53.97	-13.45	74	-33.48	0-360	100	H
1.438	47.21	PK	28.3	-34.6	40.91	53.97	-13.06	74	-33.09	0-360	100	H
1.918	44.37	PK	31.2	-33.1	42.47	53.97	-11.5	74	-31.53	0-360	200	H
2.401	46.93	PK	32.3	-33.2	46.03	53.97	-7.94	74	-27.97	0-360	100	H
2.451	45.71	PK	32.4	-33.1	45.01	53.97	-8.96	74	-28.99	0-360	200	H
1.197	45.95	PK	28.3	-35.5	38.75	53.97	-15.22	74	-35.25	0-360	100	V
1.441	46.22	PK	28.3	-34.7	39.82	53.97	-14.15	74	-34.18	0-360	200	V
1.922	44.21	PK	31.3	-33.1	42.41	53.97	-11.56	74	-31.59	0-360	200	V
2.4	45.48	PK	32.3	-33.2	44.58	53.97	-9.39	74	-29.42	0-360	100	V
2.878	42.47	PK	33	-32.8	42.67	53.97	-11.3	74	-31.33	0-360	100	V
6.015	38.76	PK	35.9	-23.3	51.36	53.97	-2.61	74	-22.64	0-360	100	H
7.713	37.89	PK	36.2	-27.5	46.59	53.97	-7.38	74	-27.41	0-360	100	H
6.017	37.91	PK	35.9	-23.7	50.11	53.97	-3.86	74	-23.89	0-360	100	V
6.298	41.65	PK	36	-29.1	48.55	53.97	-5.42	74	-25.45	0-360	100	V
7.714	39.56	PK	36.2	-27.5	48.26	53.97	-5.71	74	-25.74	0-360	100	V
17.873	33.03	PK	42.2	-19.1	56.13	-	-	74	-17.87	0-360	200	V
17.88	27.48	PK	42.2	-19	50.68	53.97	-3.29	74	-23.32	0-360	200	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.016	25.23	Av	35.9	-23.4	37.73	53.97	-16.24	-	-	311	182	H
6.022	27.75	Av	35.9	-24.5	39.15	53.97	-14.82	-	-	48	123	V
6.298	26.21	Av	36	-29.1	33.11	53.97	-20.86	-	-	336	180	V
7.713	33.82	Av	36.2	-27.5	42.52	53.97	-11.45	-	-	179	151	V
17.88	19.84	Av	42.2	-19	43.04	53.97	-10.93	-	-	245	350	V

PK - Peak detector

Av - Average detection

HIGH CHANNEL



HIGH CHANNEL DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.2	46.78	PK	28.4	-35.5	39.68	53.97	-14.29	74	-34.32	0-360	250	H
1.442	44.95	PK	28.3	-34.8	38.45	53.97	-15.52	74	-35.55	0-360	350	H
1.922	42.57	PK	31.3	-33.1	40.77	53.97	-13.2	74	-33.23	0-360	250	H
2.401	44.12	PK	32.3	-33.2	43.22	53.97	-10.75	74	-30.78	0-360	250	H
1.196	45.84	PK	28.3	-35.5	38.64	53.97	-15.33	74	-35.36	0-360	100	V
1.438	46.51	PK	28.3	-34.6	40.21	53.97	-13.76	74	-33.79	0-360	100	V
1.918	44.11	PK	31.2	-33.1	42.21	53.97	-11.76	74	-31.79	0-360	100	V
2.052	43.22	PK	31.9	-33.9	41.22	53.97	-12.75	74	-32.78	0-360	100	V
2.4	45.45	PK	32.3	-33.2	44.55	53.97	-9.42	74	-29.45	0-360	100	V
6.605	37.8	PK	35.9	-27.8	45.9	53.97	-8.07	74	-28.1	0-360	200	H
7.501	37.27	PK	36	-26.7	46.57	53.97	-7.4	74	-27.43	0-360	200	H
6.276	41.56	PK	36	-29.5	48.06	53.97	-5.91	74	-25.94	0-360	200	V
6.669	39.83	PK	35.8	-29.1	46.53	53.97	-7.44	74	-27.47	0-360	200	V
7.767	37.27	PK	36.2	-26.3	47.17	53.97	-6.8	74	-26.83	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.277	27.51	Av	36	-29.5	34.01	53.97	-19.96	-	-	7	122	V

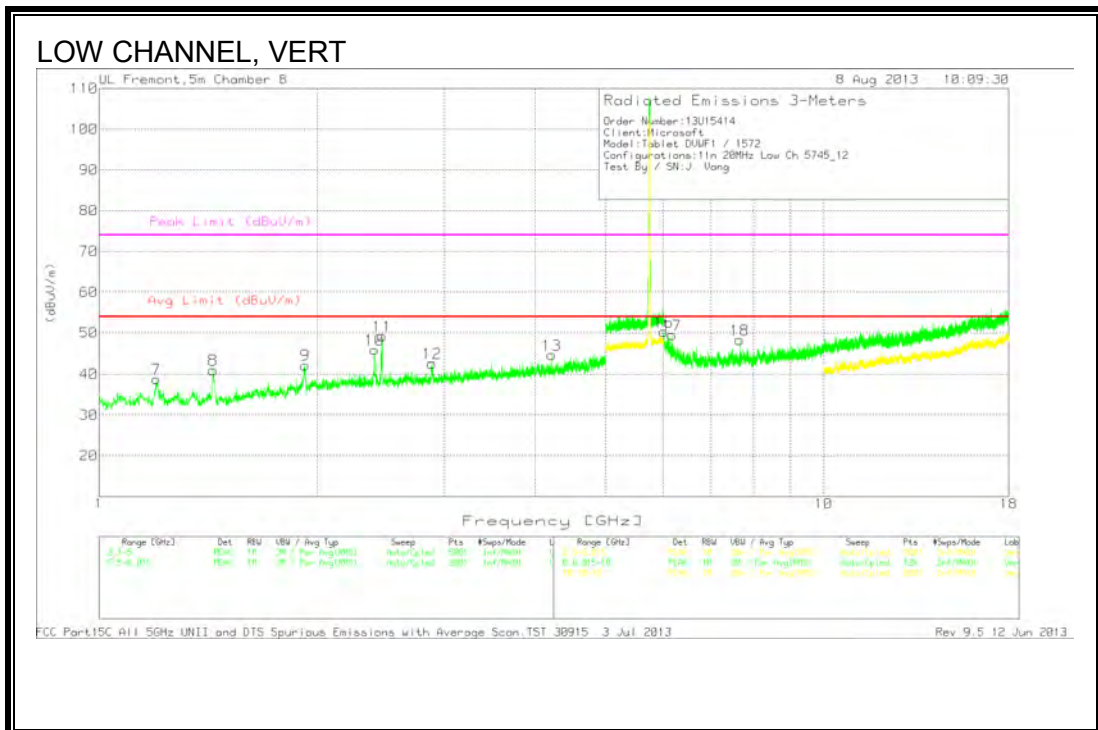
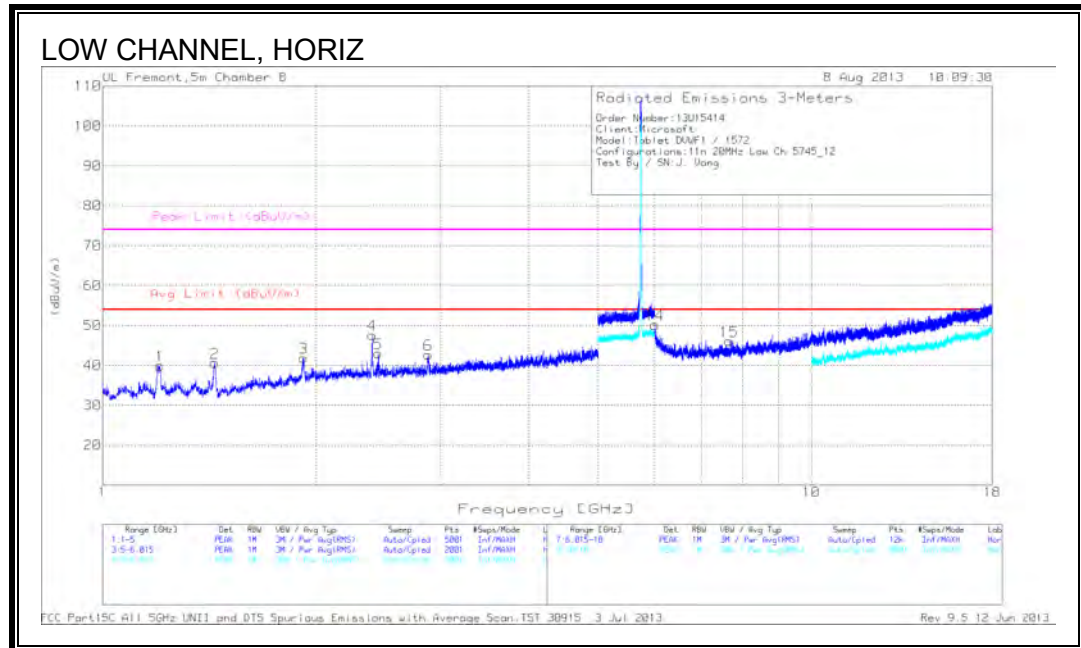
PK - Peak detector

Av - Average detection

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



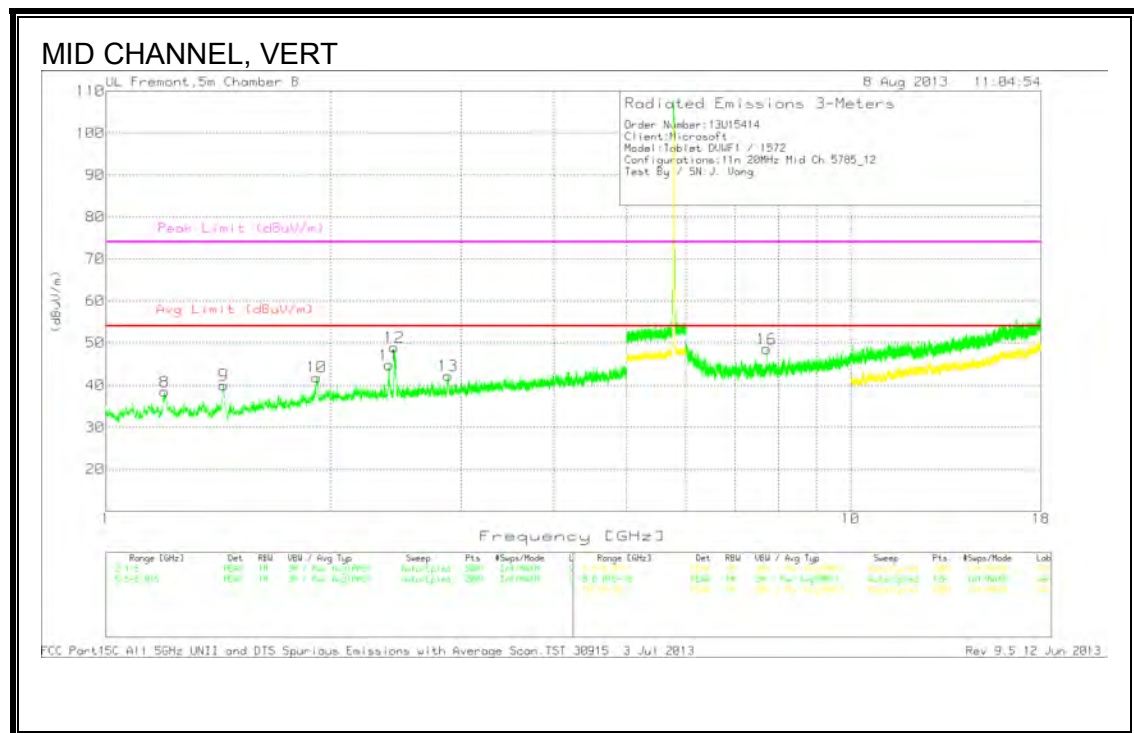
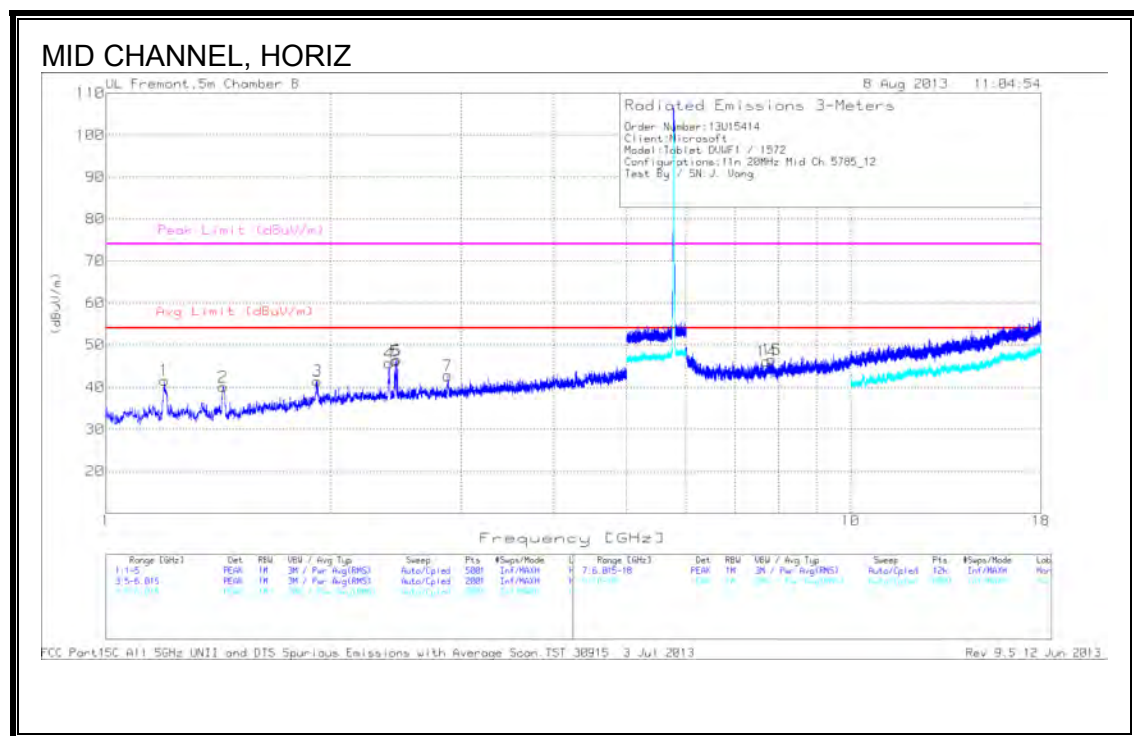
LOW Channel DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.205	47.07	PK	28.4	-35.5	39.97	53.97	-14	74	-34.03	0-360	100	H
1.44	47.02	PK	28.3	-34.7	40.62	53.97	-13.35	74	-33.38	0-360	100	H
1.922	43.7	PK	31.3	-33.1	41.9	53.97	-12.07	74	-32.1	0-360	200	H
2.4	48.49	PK	32.3	-33.2	47.59	53.97	-6.38	74	-26.41	0-360	100	H
2.448	43.73	PK	32.4	-33.1	43.03	53.97	-10.94	74	-30.97	0-360	200	H
2.881	42.47	PK	33	-32.8	42.67	53.97	-11.3	74	-31.33	0-360	100	H
1.201	45.93	PK	28.4	-35.5	38.83	53.97	-15.14	74	-35.17	0-360	100	V
1.437	47.33	PK	28.3	-34.6	41.03	53.97	-12.94	74	-32.97	0-360	200	V
1.925	44.02	PK	31.3	-33.1	42.22	53.97	-11.75	74	-31.78	0-360	100	V
2.4	46.79	PK	32.3	-33.2	45.89	53.97	-8.08	74	-28.11	0-360	100	V
2.458	49.86	PK	32.4	-33	49.26	53.97	-4.71	74	-24.74	0-360	100	V
2.882	42.38	PK	33	-32.8	42.58	53.97	-11.39	74	-31.42	0-360	100	V
4.215	41.23	PK	34.1	-30.7	44.63	53.97	-9.34	74	-29.37	0-360	100	V
6.018	38.18	PK	35.9	-23.9	50.18	53.97	-3.79	74	-23.82	0-360	100	H
7.66	37.91	PK	36.1	-27.9	46.11	53.97	-7.86	74	-27.89	0-360	100	H
6.02	38.61	PK	35.9	-24.2	50.31	53.97	-3.66	74	-23.69	0-360	100	V
6.174	42.68	PK	36	-29.2	49.48	53.97	-4.49	74	-24.52	0-360	100	V
7.66	40.15	PK	36.1	-27.9	48.35	53.97	-5.62	74	-25.65	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.458	26.56	Av	32.4	-33	25.96	53.97	-28.01	-	-	344	348	V
6.02	25.99	Av	35.9	-24.3	37.59	53.97	-16.38	-	-	178	207	H
6.022	26.39	Av	35.9	-24.6	37.69	53.97	-16.28	-	-	27	221	V
6.175	28.63	Av	36	-29.2	35.43	53.97	-18.54	-	-	187	126	V
7.66	38.71	Av	36.1	-27.9	46.91	53.97	-7.06	-	-	351	105	V

PK - Peak detector

Av - Average detection



MID Channel DATA

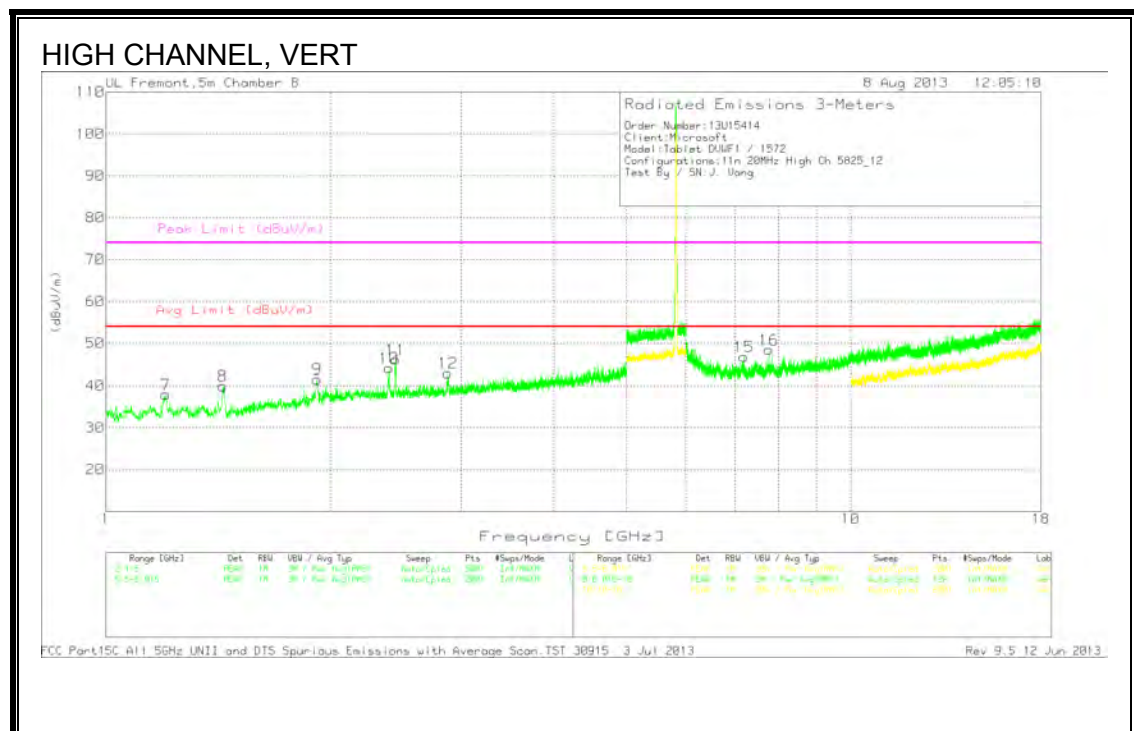
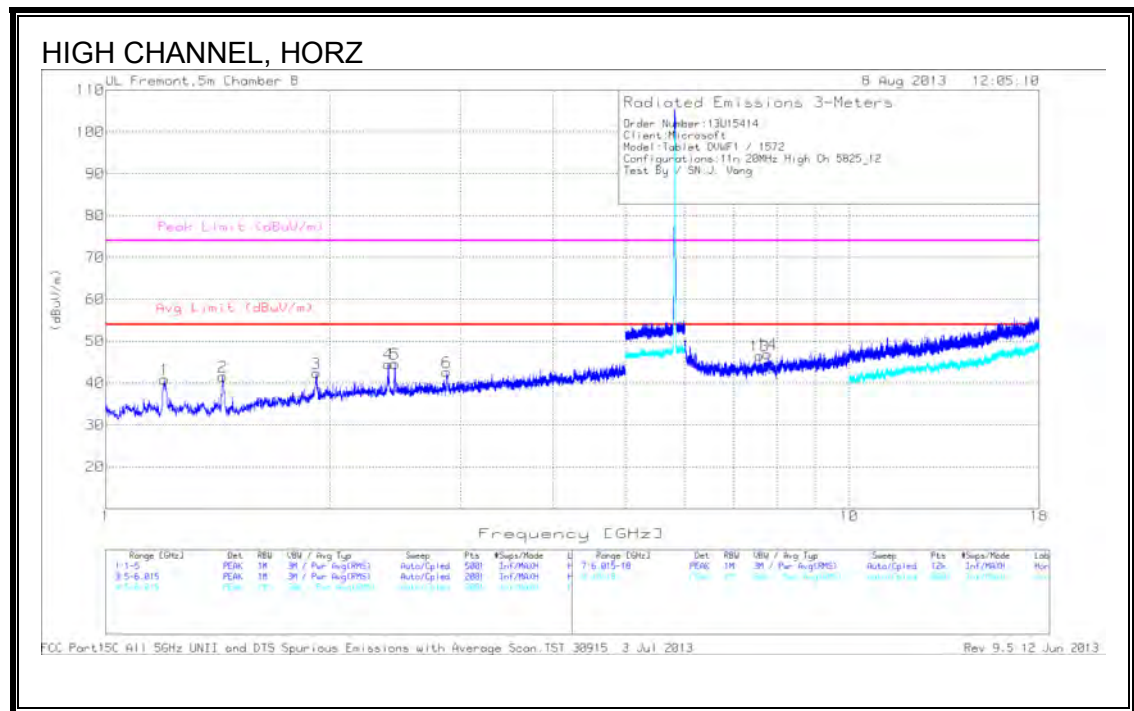
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.199	48.74	PK	28.4	-35.5	41.64	53.97	-12.33	74	-32.36	0-360	100	H
1.438	46.43	PK	28.3	-34.6	40.13	53.97	-13.84	74	-33.87	0-360	100	H
1.923	43.31	PK	31.3	-33.1	41.51	53.97	-12.46	74	-32.49	0-360	200	H
2.4	46.53	PK	32.3	-33.2	45.63	53.97	-8.34	74	-28.37	0-360	100	H
2.45	46.88	PK	32.4	-33.1	46.18	53.97	-7.79	74	-27.82	0-360	200	H
2.461	47.08	PK	32.4	-33	46.48	53.97	-7.49	74	-27.52	0-360	100	H
2.878	42.55	PK	33	-32.8	42.75	53.97	-11.22	74	-31.25	0-360	200	H
1.2	45.64	PK	28.4	-35.5	38.54	53.97	-15.43	74	-35.46	0-360	100	V
1.44	46.44	PK	28.3	-34.7	40.04	53.97	-13.93	74	-33.96	0-360	100	V
1.918	43.8	PK	31.2	-33.1	41.9	53.97	-12.07	74	-32.1	0-360	200	V
2.4	45.66	PK	32.3	-33.2	44.76	53.97	-9.21	74	-29.24	0-360	100	V
2.439	49.44	PK	32.4	-32.9	48.94	53.97	-5.03	74	-25.06	0-360	200	V
2.881	42.05	PK	33	-32.8	42.25	53.97	-11.72	74	-31.75	0-360	100	V
7.713	37.33	PK	36.2	-27.5	46.03	53.97	-7.94	74	-27.97	0-360	100	H
7.832	37.25	PK	36.2	-26.9	46.55	53.97	-7.42	74	-27.45	0-360	100	H
7.713	39.85	PK	36.2	-27.5	48.55	53.97	-5.42	74	-25.45	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.44	26.33	Av	32.4	-32.9	25.83	53.97	-28.14	-	-	173	314	V
7.713	25.22	Av	36.2	-27.5	33.92	53.97	-20.05	-	-	214	335	V

PK - Peak detector

Av - Average detection

HIGH CHANNEL



HIGH CHANNEL DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.2	48	PK	28.4	-35.5	40.9	53.97	-13.07	74	-33.1	0-360	100	H
1.437	47.87	PK	28.3	-34.6	41.57	53.97	-12.4	74	-32.43	0-360	100	H
1.921	44.18	PK	31.3	-33.1	42.38	53.97	-11.59	74	-31.62	0-360	200	H
2.4	45.45	PK	32.3	-33.2	44.55	53.97	-9.42	74	-29.45	0-360	100	H
2.451	45.29	PK	32.4	-33.1	44.59	53.97	-9.38	74	-29.41	0-360	100	H
2.876	42.45	PK	33	-32.8	42.65	53.97	-11.32	74	-31.35	0-360	100	H
1.204	45.06	PK	28.4	-35.5	37.96	53.97	-16.01	74	-36.04	0-360	100	V
1.436	46.26	PK	28.3	-34.6	39.96	53.97	-14.01	74	-34.04	0-360	200	V
1.922	43.36	PK	31.3	-33.1	41.56	53.97	-12.41	74	-32.44	0-360	100	V
2.401	45.04	PK	32.3	-33.2	44.14	53.97	-9.83	74	-29.86	0-360	100	V
2.451	46.82	PK	32.4	-33.1	46.12	53.97	-7.85	74	-27.88	0-360	200	V
2.879	42.77	PK	33	-32.8	42.97	53.97	-11	74	-31.03	0-360	100	V
7.573	38.12	PK	36.1	-27.7	46.52	53.97	-7.45	74	-27.48	0-360	100	H
7.767	37.04	PK	36.2	-26.3	46.94	53.97	-7.03	74	-27.06	0-360	200	H
7.188	38.1	PK	35.8	-27.1	46.8	53.97	-7.17	74	-27.2	0-360	100	V
7.767	38.6	PK	36.2	-26.3	48.5	53.97	-5.47	74	-25.5	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.767	33.39	Av	36.2	-26.3	43.29	53.97	-10.68	-	-	19	135	V

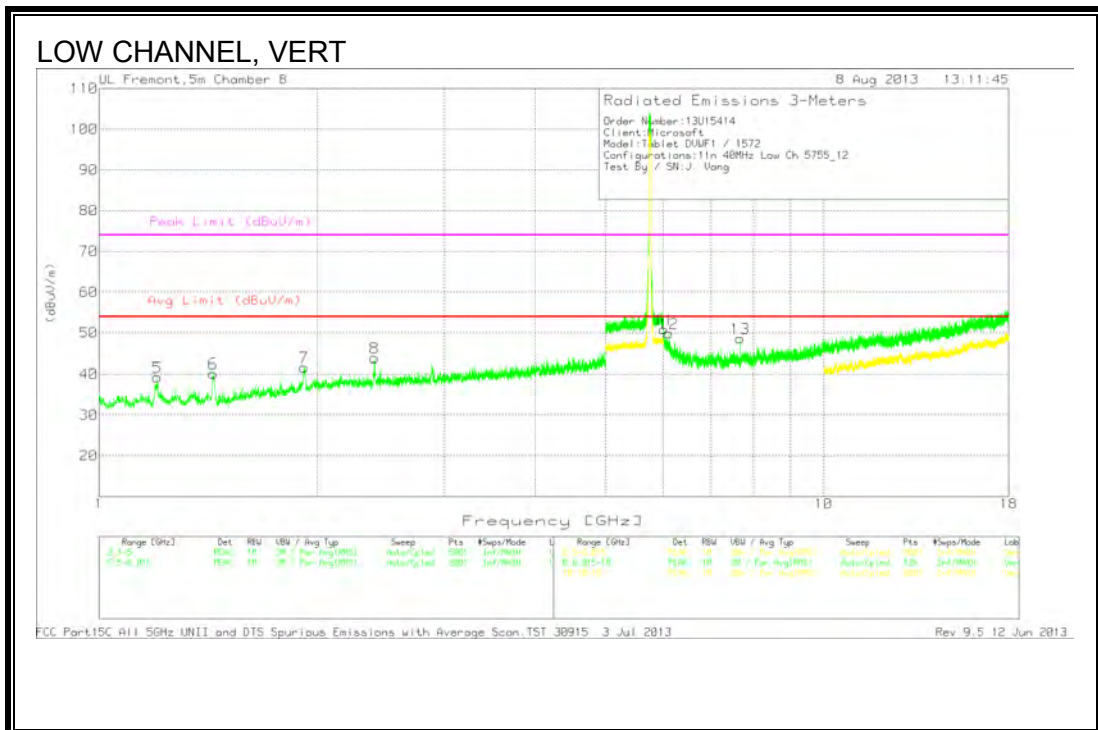
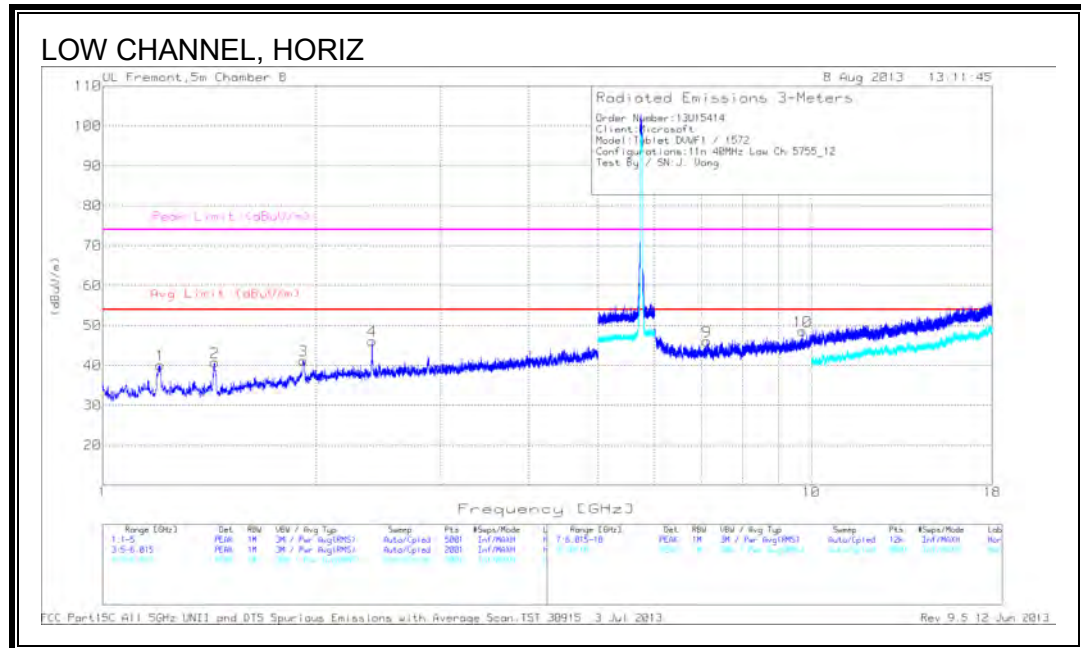
PK - Peak detector

Av - Average detection

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



LOW Channel DATA

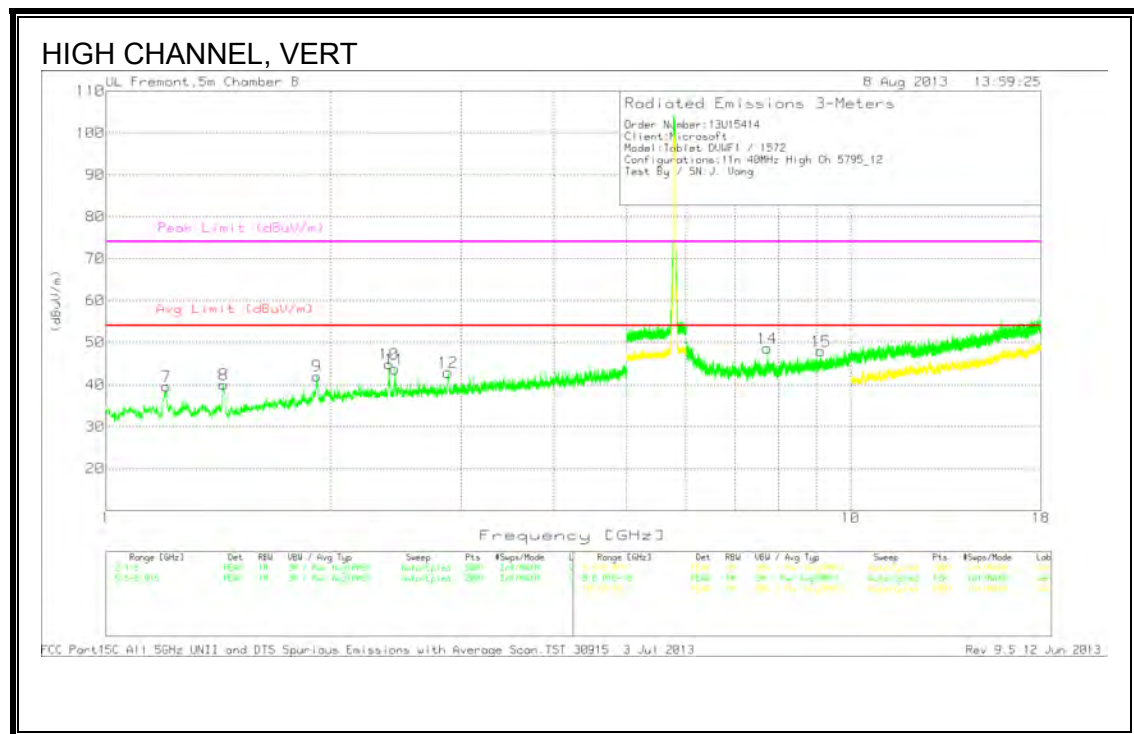
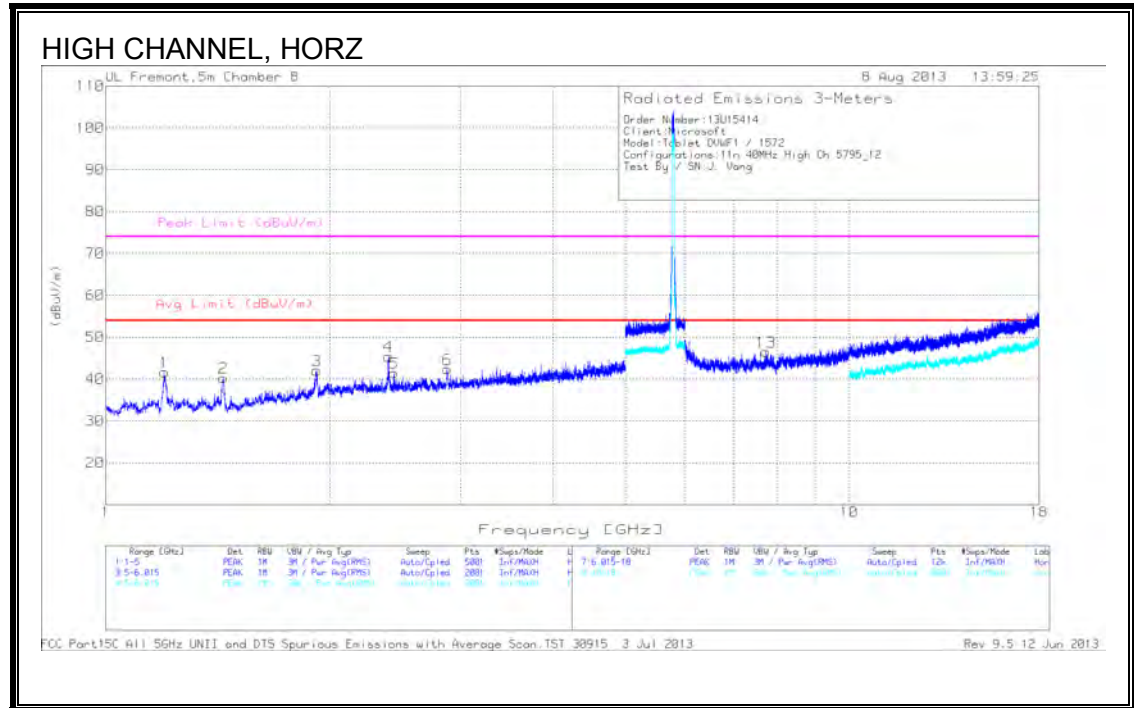
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.206	47.16	PK	28.4	-35.5	40.06	53.97	-13.91	74	-33.94	0-360	100	H
1.439	47.12	PK	28.3	-34.7	40.72	53.97	-13.25	74	-33.28	0-360	100	H
1.919	43.04	PK	31.3	-33.1	41.24	53.97	-12.73	74	-32.76	0-360	200	H
2.4	47.03	PK	32.3	-33.2	46.13	53.97	-7.84	74	-27.87	0-360	100	H
1.203	46.4	PK	28.4	-35.5	39.3	53.97	-14.67	74	-34.7	0-360	100	V
1.438	46.45	PK	28.3	-34.6	40.15	53.97	-13.82	74	-33.85	0-360	200	V
1.918	43.56	PK	31.2	-33.1	41.66	53.97	-12.31	74	-32.34	0-360	200	V
2.4	44.83	PK	32.3	-33.2	43.93	53.97	-10.04	74	-30.07	0-360	100	V
7.128	38.47	PK	35.8	-28.2	46.07	53.97	-7.9	74	-27.93	0-360	100	H
9.719	34.68	PK	37.5	-23.6	48.58	53.97	-5.39	74	-25.42	0-360	200	H
6.015	38.28	PK	35.9	-23.3	50.88	53.97	-3.09	74	-23.12	0-360	100	V
6.112	42.19	PK	35.9	-28.2	49.89	53.97	-4.08	74	-24.11	0-360	100	V
7.673	40.18	PK	36.1	-27.6	48.68	53.97	-5.29	74	-25.32	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
9.719	19.59	Av	37.5	-23.6	33.49	53.97	-20.48	-	-	78	378	H
6.02	26.47	Av	35.9	-24.3	38.07	53.97	-15.9	-	-	199	146	V
6.114	29.16	Av	35.9	-28.2	36.86	53.97	-17.11	-	-	356	149	V
7.673	36.72	Av	36.1	-27.6	45.22	53.97	-8.75	-	-	350	189	V

PK - Peak detector

Av - Average detection

HIGH CHANNEL



HIGH CHANNEL DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.199	48.79	PK	28.4	-35.5	41.69	53.97	-12.28	74	-32.31	0-360	100	H
1.44	46.71	PK	28.3	-34.7	40.31	53.97	-13.66	74	-33.69	0-360	100	H
1.923	43.86	PK	31.3	-33.1	42.06	53.97	-11.91	74	-31.94	0-360	200	H
2.4	46.33	PK	32.3	-33.2	45.43	53.97	-8.54	74	-28.57	0-360	100	H
2.443	42.05	PK	32.4	-33	41.45	53.97	-12.52	74	-32.55	0-360	100	H
2.88	42.18	PK	33	-32.8	42.38	53.97	-11.59	74	-31.62	0-360	100	H
1.206	46.69	PK	28.4	-35.5	39.59	53.97	-14.38	74	-34.41	0-360	200	V
1.44	46.43	PK	28.3	-34.7	40.03	53.97	-13.94	74	-33.97	0-360	100	V
1.921	43.81	PK	31.3	-33.1	42.01	53.97	-11.96	74	-31.99	0-360	100	V
2.4	45.73	PK	32.3	-33.2	44.83	53.97	-9.14	74	-29.17	0-360	100	V
2.444	44.27	PK	32.4	-33	43.67	53.97	-10.3	74	-30.33	0-360	200	V
2.881	42.68	PK	33	-32.8	42.88	53.97	-11.09	74	-31.12	0-360	100	V
7.727	37.2	PK	36.2	-26.9	46.5	53.97	-7.47	74	-27.5	0-360	100	H
7.727	39.31	PK	36.2	-26.9	48.61	53.97	-5.36	74	-25.39	0-360	200	V
9.121	36.39	PK	36.8	-25.3	47.89	53.97	-6.08	74	-26.11	0-360	200	V

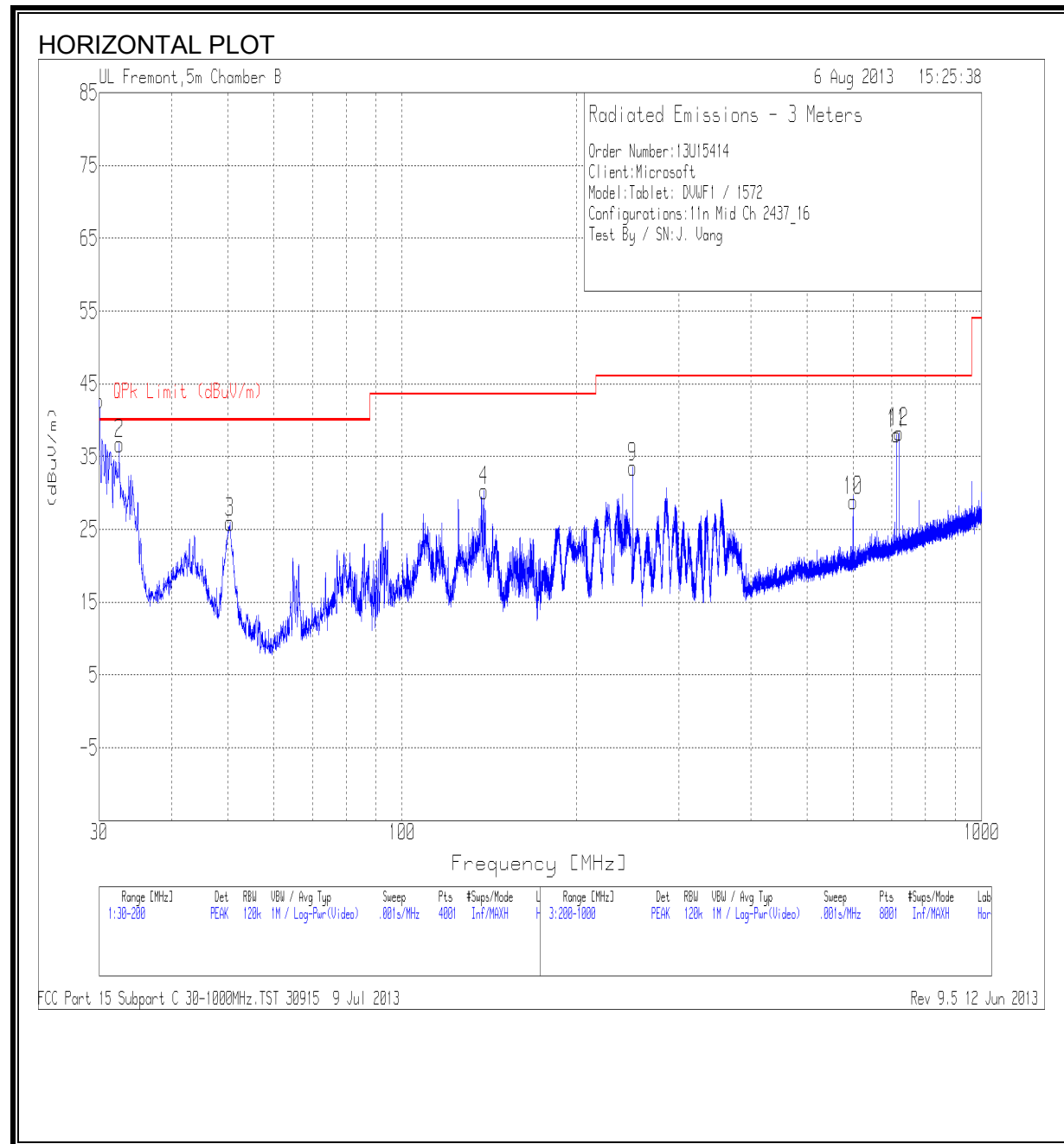
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.727	35.33	Av	36.2	-26.9	44.63	53.97	-9.34	-	-	355	158	V

PK - Peak detector

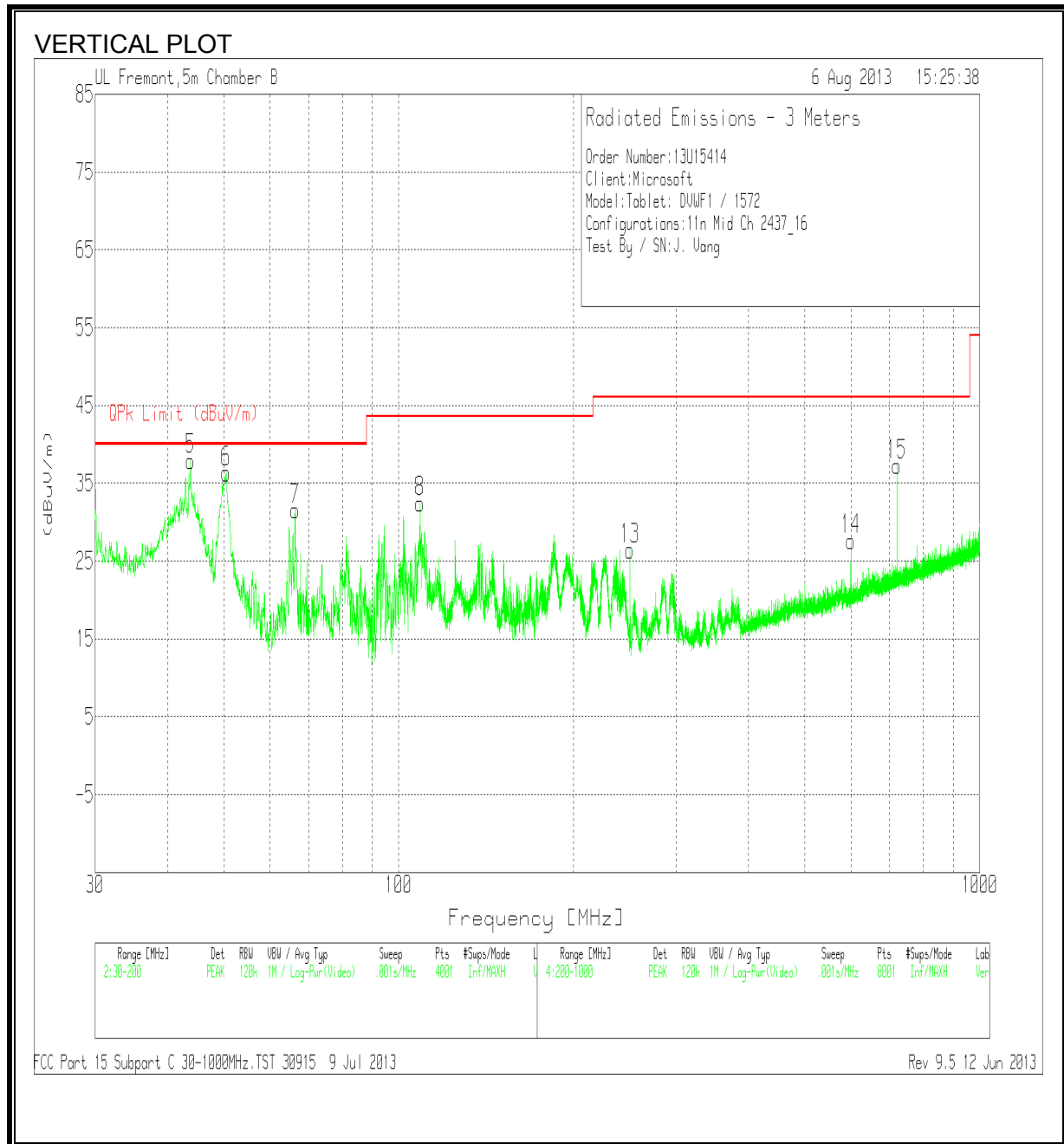
Av - Average detection

9.9. WORST-CASE BELOW 1 GHz

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



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



HORIZONTAL & VERTICAL DATA

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T243 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
30	50.73	PK	20.9	-28.9	42.73	-	-	0-360	100	H
32.5075	46.33	PK	19.2	-28.8	36.73	40	-3.27	0-360	100	H
50.4425	47.05	PK	7.5	-28.6	25.95	40	-14.05	0-360	400	H
138.375	44.8	PK	13.1	-27.6	30.3	43.52	-13.22	0-360	200	H
43.8125	55.92	PK	10.7	-28.7	37.92	40	-2.08	0-360	100	V
50.4425	57.47	PK	7.5	-28.6	36.37	40	-3.63	0-360	100	V
66.295	52.36	PK	7.6	-28.4	31.56	40	-8.44	0-360	100	V
108.795	48.16	PK	12.3	-28	32.46	43.52	-11.06	0-360	100	V
250	48.52	PK	11.5	-26.5	33.52	46.02	-12.5	0-360	100	H
600.1	35.85	PK	18.4	-25.4	28.85	46.02	-17.17	0-360	300	H
713	42.34	PK	20.3	-24.6	38.04	46.02	-7.98	0-360	300	H
720	42.57	PK	20.3	-24.6	38.27	46.02	-7.75	0-360	100	H
250	41.46	PK	11.5	-26.5	26.46	46.02	-19.56	0-360	200	V
600	34.61	PK	18.4	-25.4	27.61	46.02	-18.41	0-360	300	V
720	41.56	PK	20.3	-24.6	37.26	46.02	-8.76	0-360	200	V

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T243 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
30.998	40.98	QP	20.3	-28.9	32.38	40	-7.62	198	100	H
32.491	42.76	QP	19.2	-28.8	33.16	40	-6.84	218	102	H
43.8016	51.59	QP	10.7	-28.7	33.59	40	-6.41	121	125	V
50.4449	52.35	QP	7.5	-28.6	31.25	40	-8.75	0	111	V

PK - Peak detector

QP - Quasi-Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 7.2.2

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

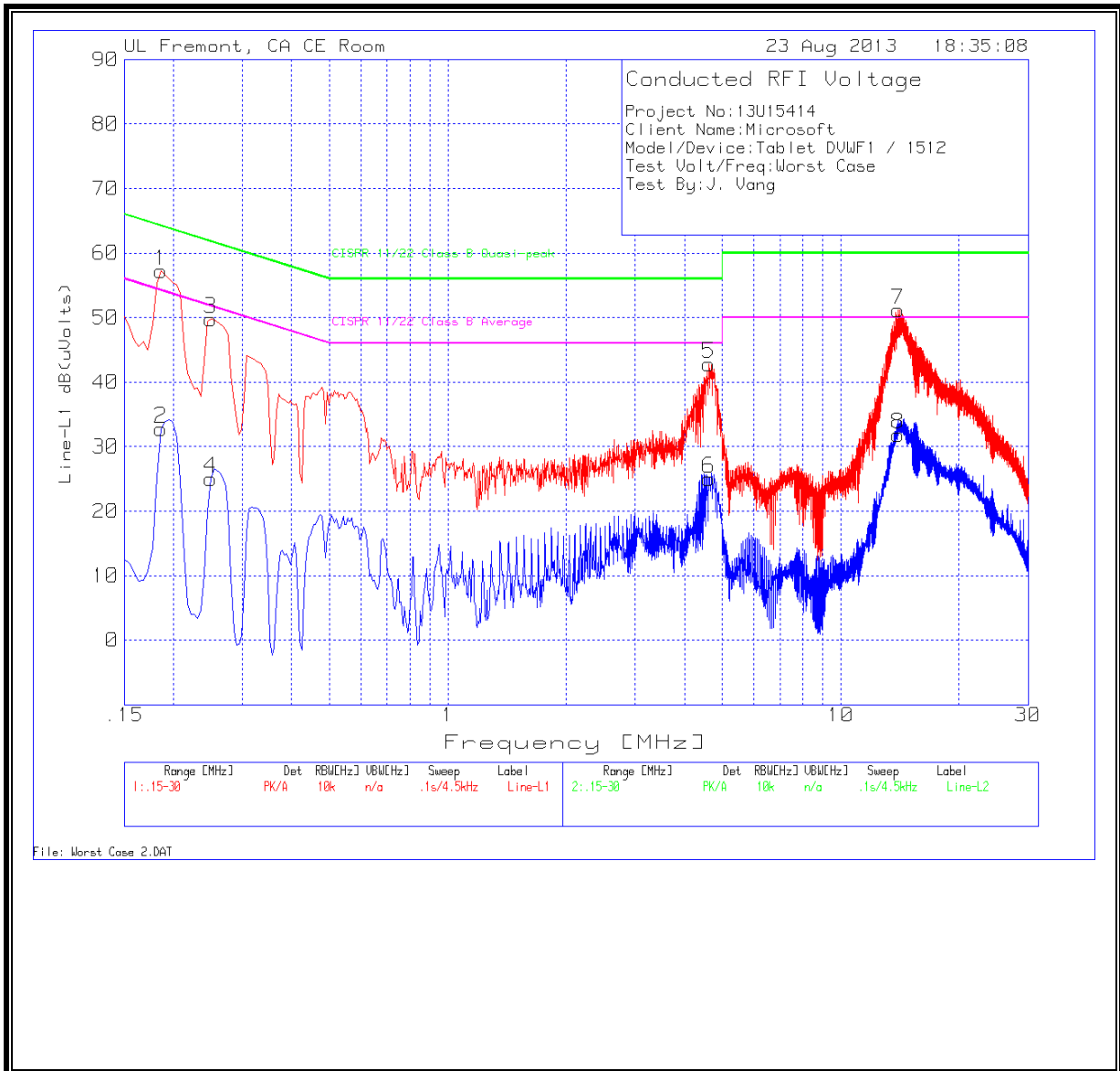
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

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



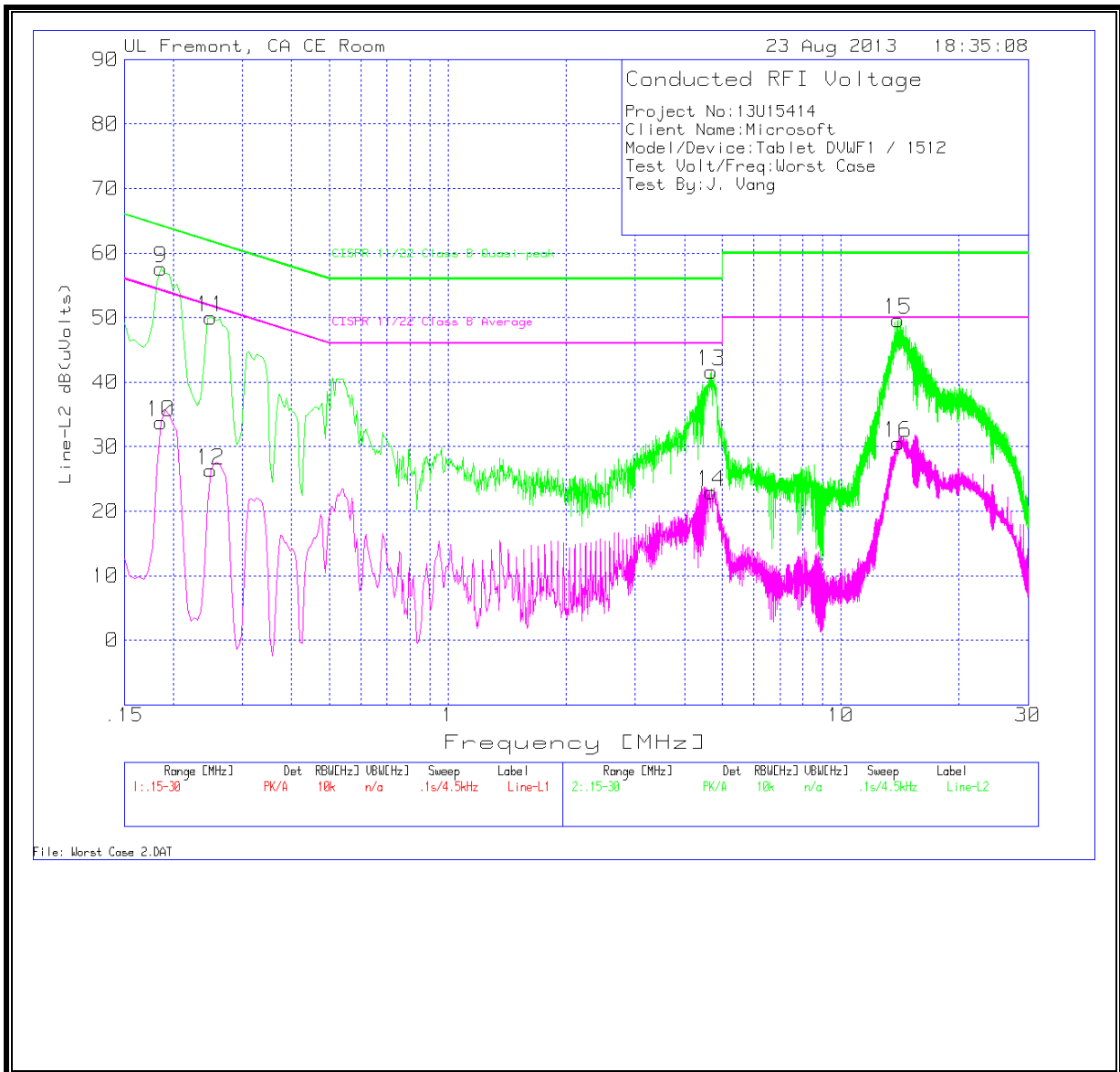
DATA LINE 1 RESULTS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1 (dB)	LC Cables 1&3 (dB)	Corrected Reading dB(uVolts)	CISPR 11/22 Class B Quasi-peak	Margin to Limit (dB)	CISPR 11/22 Class B Average	Margin to Limit (dB)
1	.186	57.09	PK	.1	0	57.19	64.2	-7.01	-	-
2	.186	32.63	Av	.1	0	32.73	-	-	54.2	-21.47
3	.249	49.72	PK	.1	0	49.82	61.8	-11.98	-	-
4	.249	24.89	Av	.1	0	24.99	-	-	51.8	-26.81
5	4.623	42.61	PK	.1	.1	42.81	56	-13.19	-	-
6	4.623	24.77	Av	.1	.1	24.97	-	-	46	-21.03
7	14.0145	50.73	PK	.2	.2	51.13	60	-8.87	-	-
8	14.0145	31.43	Av	.2	.2	31.83	-	-	50	-18.17

PK - Peak detector

Av – Average detection

LINE 2 RESULTS



DATA LINE 2 RESULTS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2 (dB)	LC Cables 2&3 (dB)	Corrected Reading dB(uVolts)	CISPR 11/22 Class B Quasi-peak	Margin to Limit (dB)	CISPR 11/22 Class B Average	Margin to Limit (dB)
9	.186	57.51	PK	.1	0	57.61	64.2	-6.59	-	-
10	.186	33.68	Av	.1	0	33.78	-	-	54.2	-20.42
11	.249	49.88	PK	.1	0	49.98	61.8	-11.82	-	-
12	.249	26.27	Av	.1	0	26.37	-	-	51.8	-25.43
13	4.6905	41.47	PK	.1	.1	41.67	56	-14.33	-	-
14	4.6905	22.75	Av	.1	.1	22.95	-	-	46	-23.05
15	14.0055	49.21	PK	.2	.2	49.61	60	-10.39	-	-
16	14.0055	30.18	Av	.2	.2	30.58	-	-	50	-19.42

PK - Peak detector

Av - Average detection