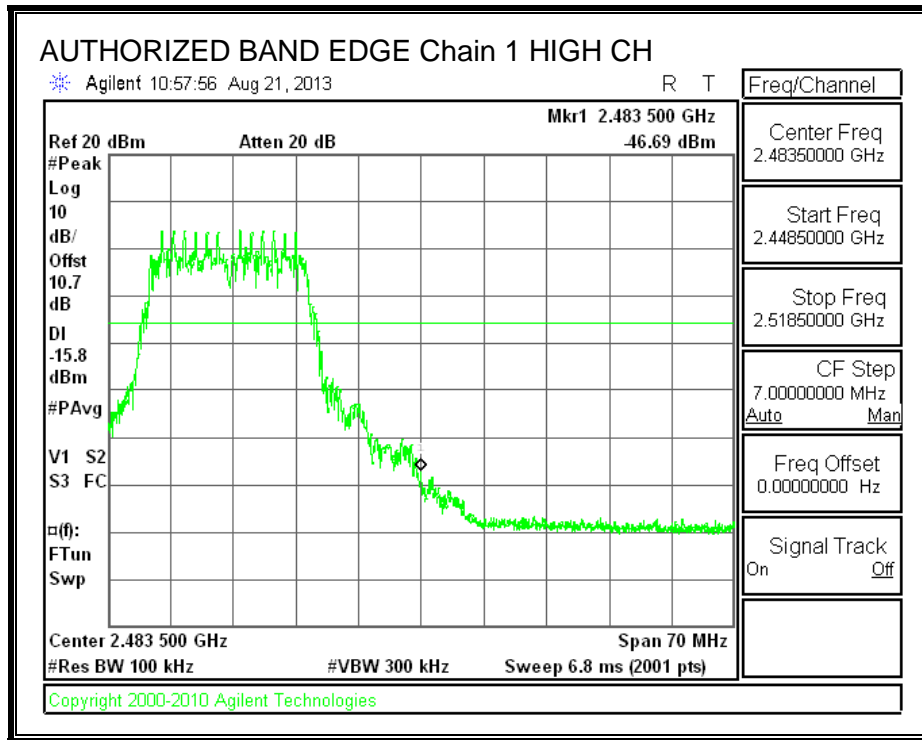
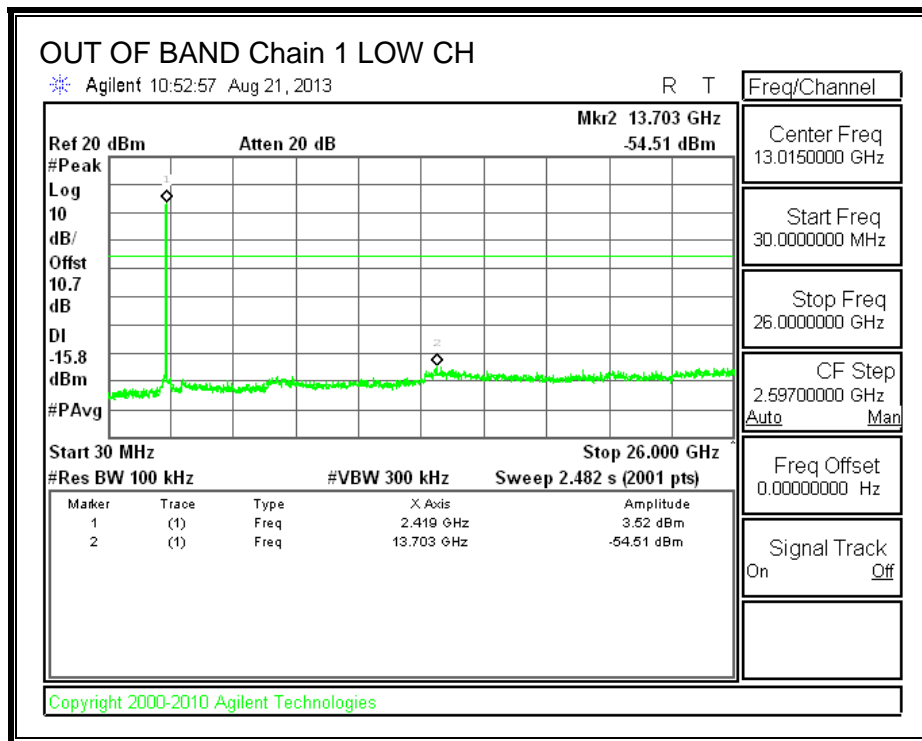
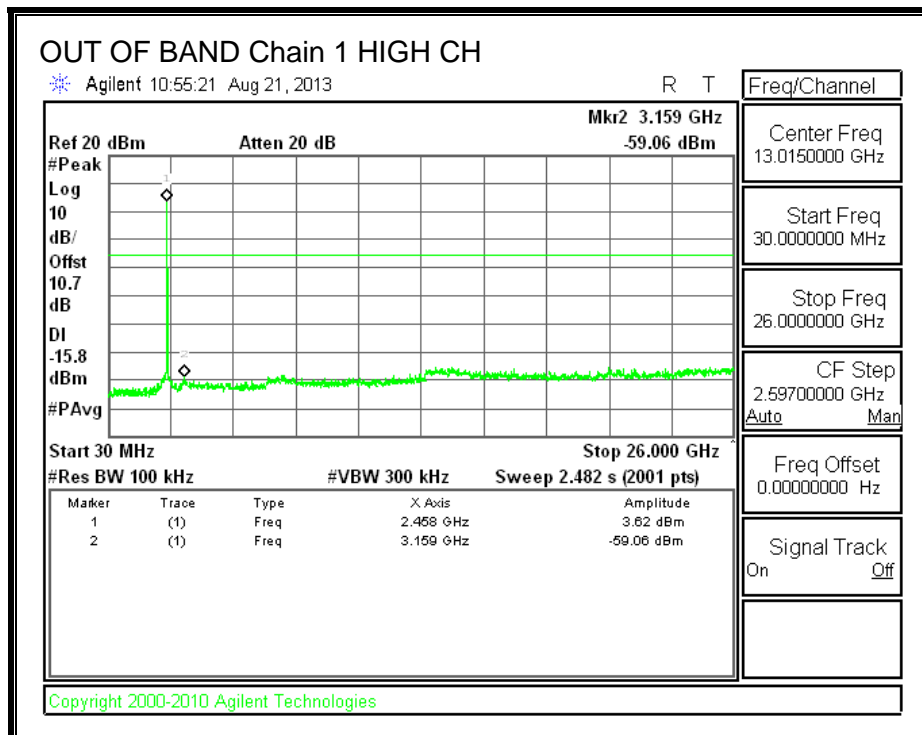
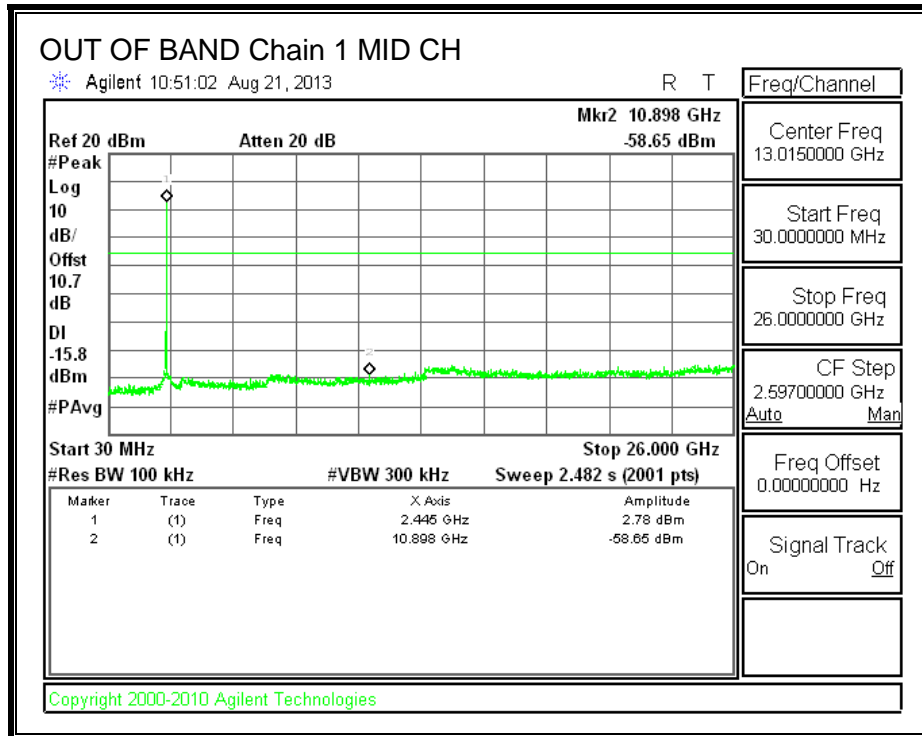


HIGH CHANNEL BANDEDGE, Chain 1



OUT-OF-BAND EMISSIONS, Chain 1





8.4. 802.11n HT40 MODE IN THE 2.4 GHz BAND

8.4.1. 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.

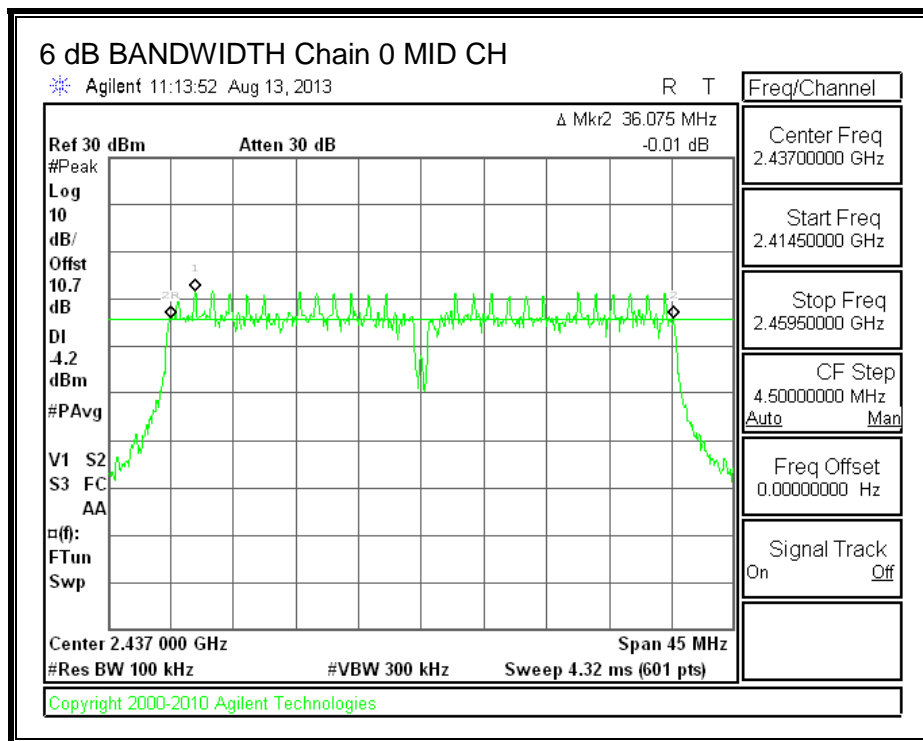
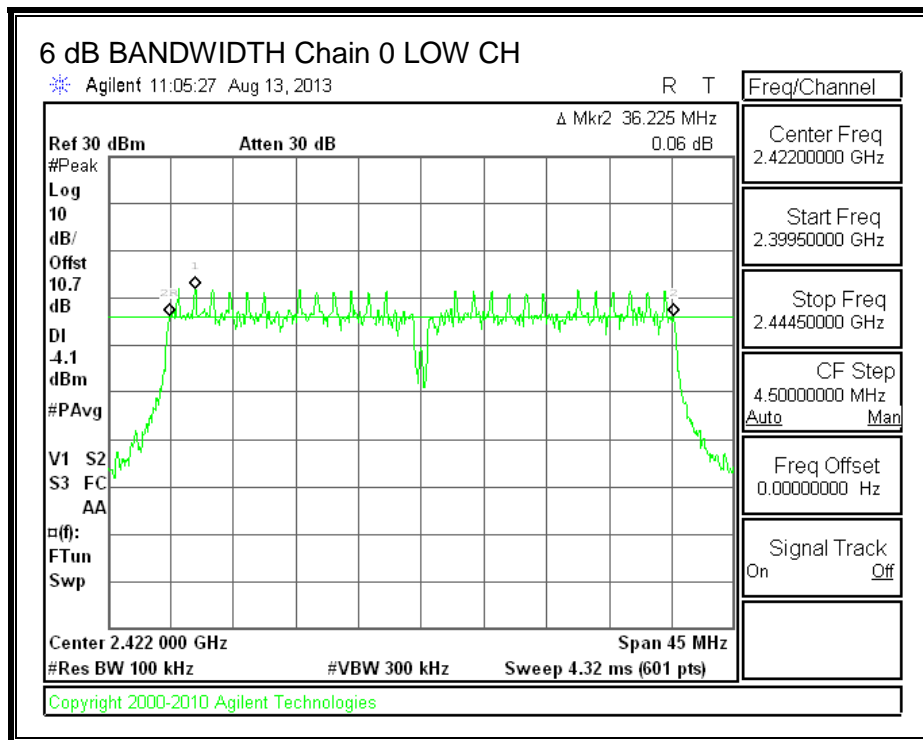
TEST PROCEDURE

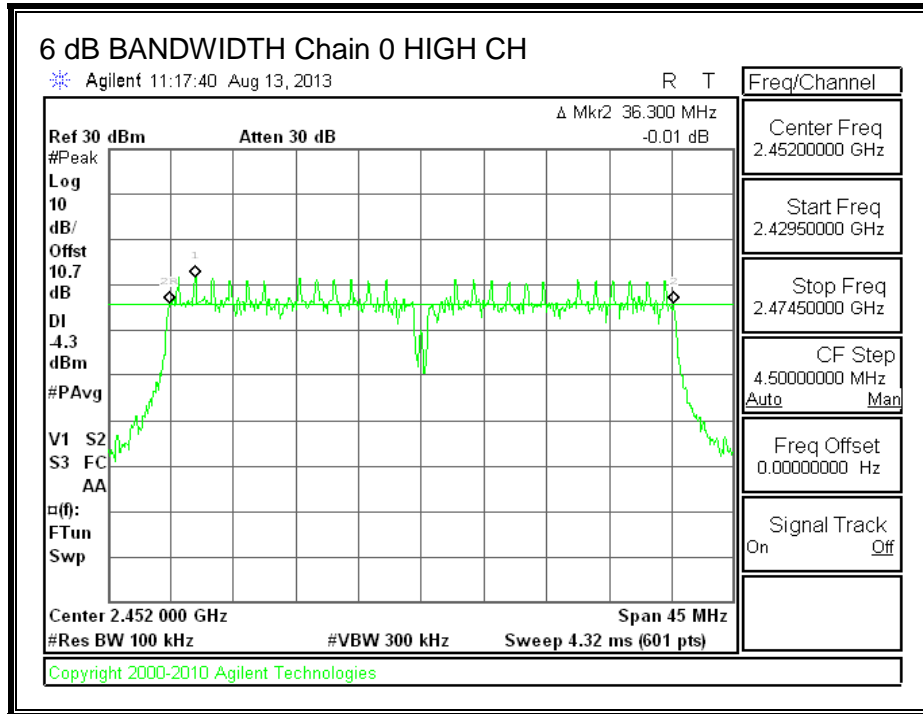
The transmitter output is connected to a spectrum analyzer with the RBW set between 1% and 5% of the EBW, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

RESULTS

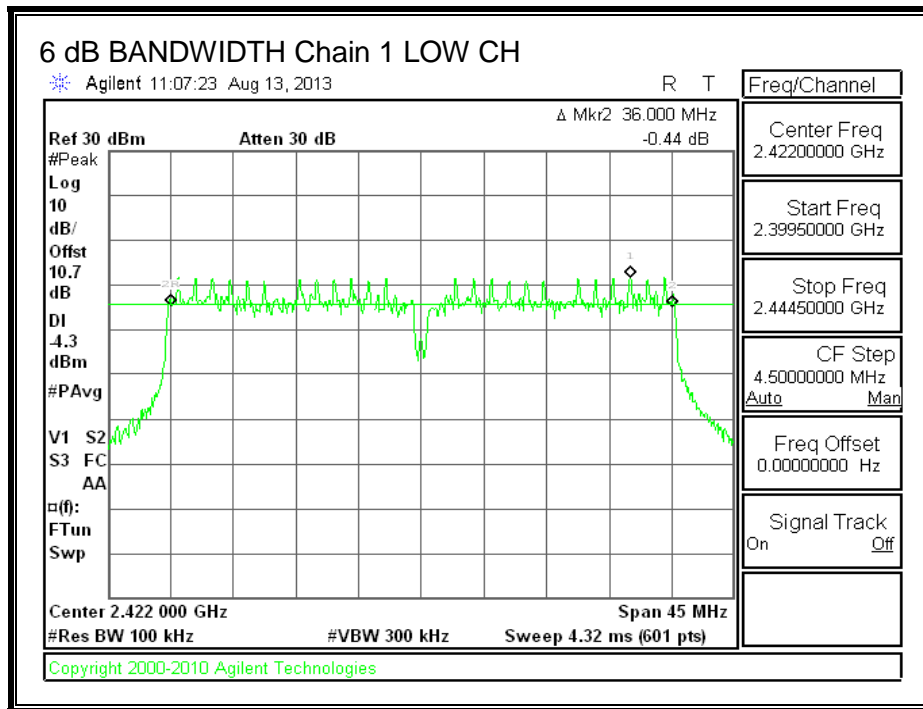
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	2422	36.225	36.000	0.5
Mid	2437	36.075	36.000	0.5
High	2452	36.300	36.000	0.5

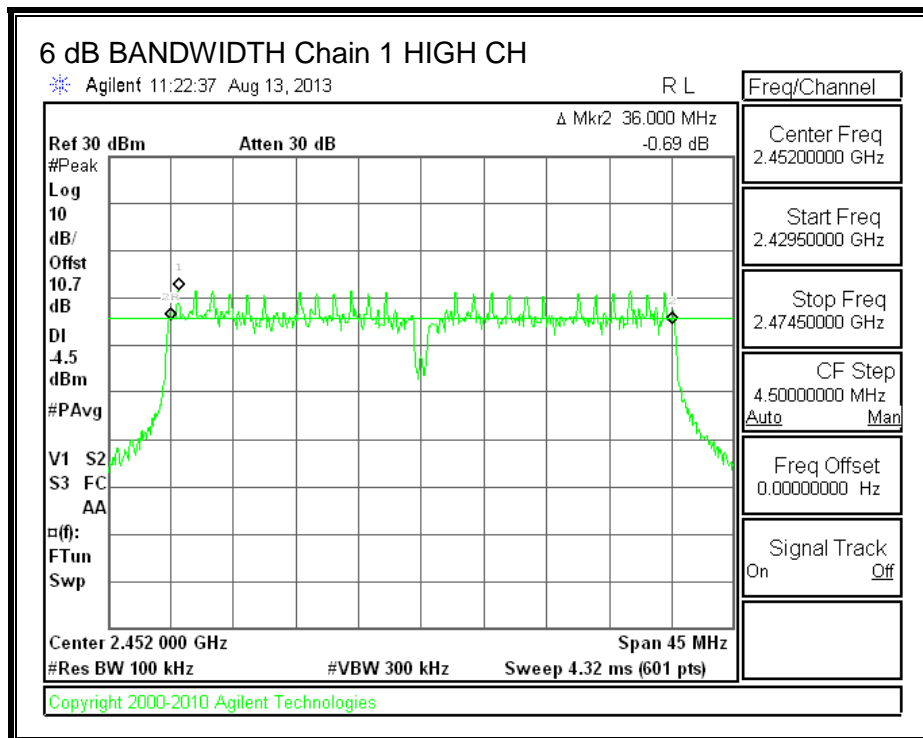
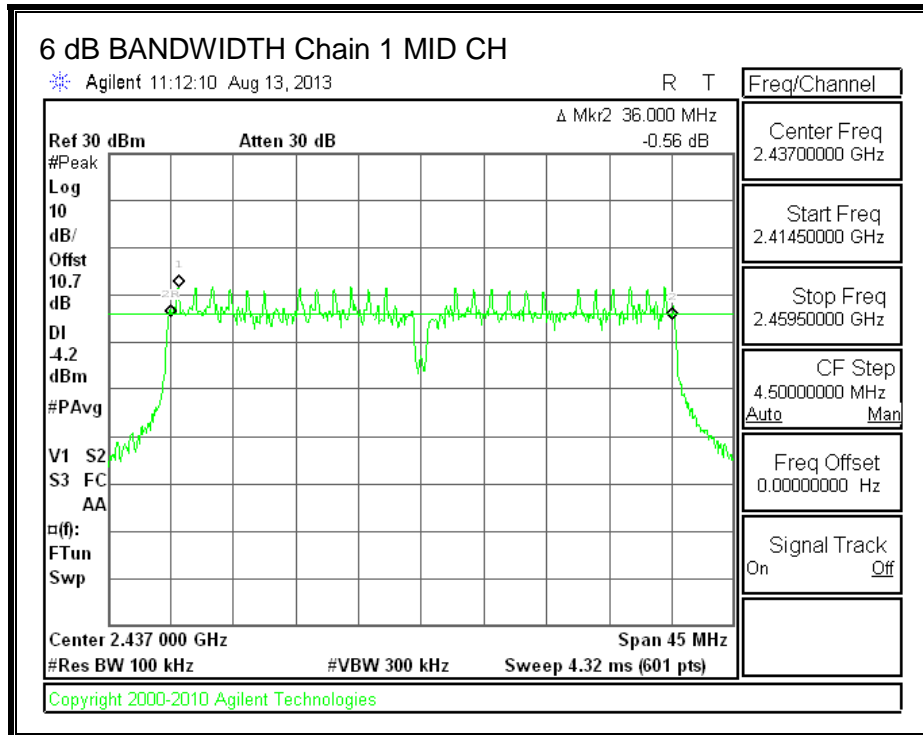
6 dB BANDWIDTH, Chain 0





6 dB BANDWIDTH, Chain 1





8.4.2. 99% BANDWIDTH

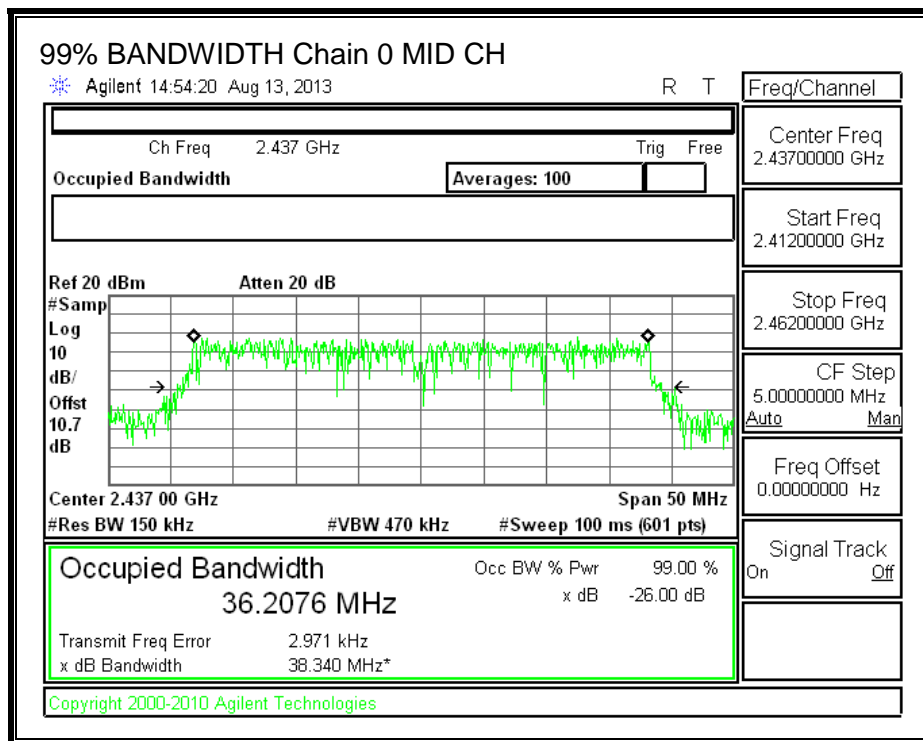
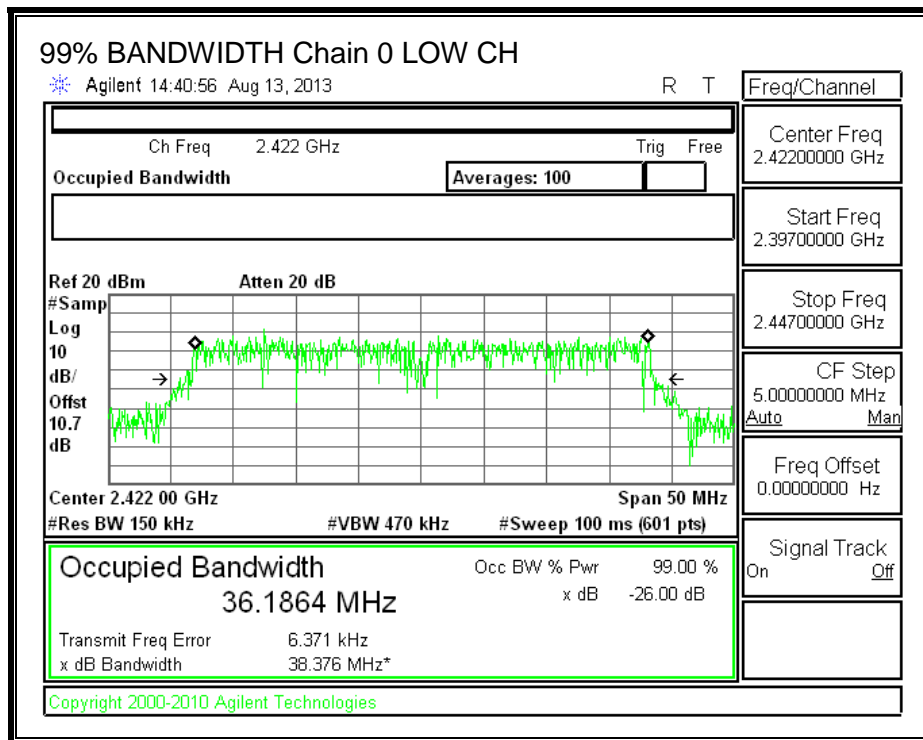
LIMITS

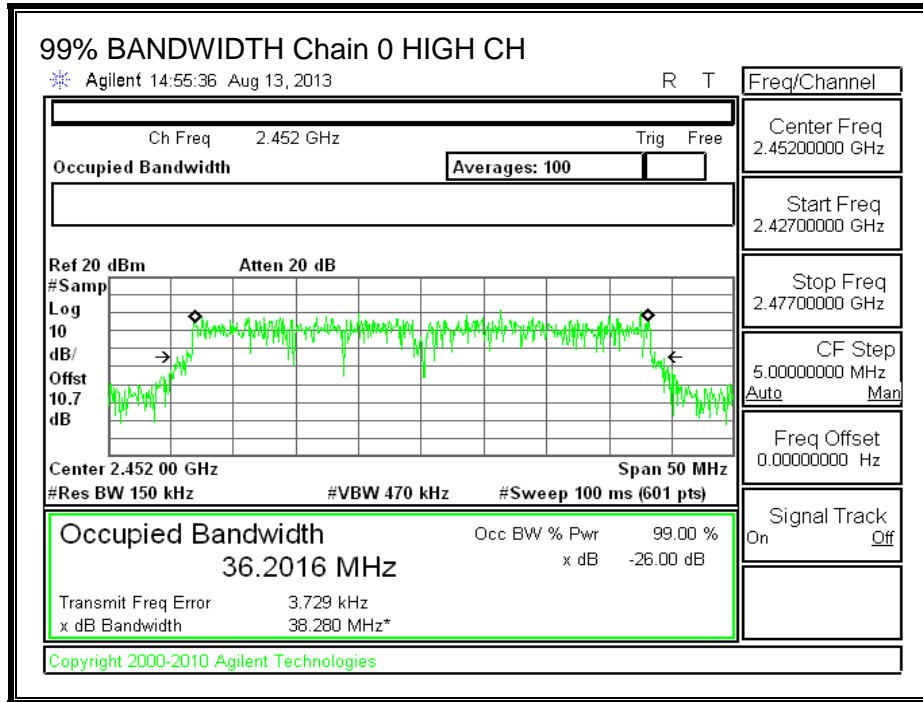
None; for reporting purposes only.

RESULTS

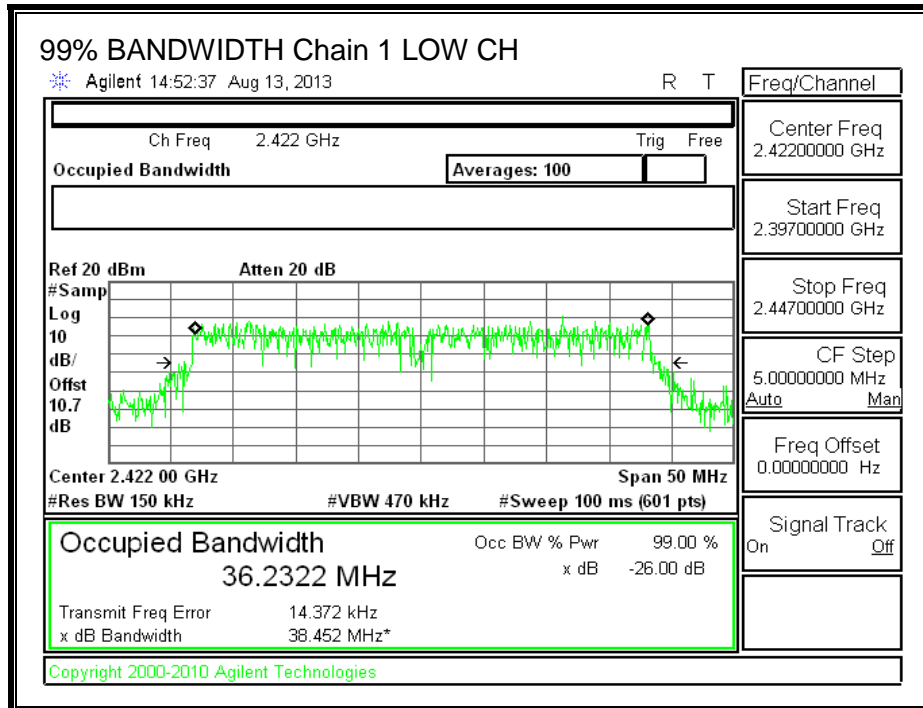
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	2422	36.1864	36.2322
Mid	2437	36.2076	36.2353
High	2452	36.2016	36.2329

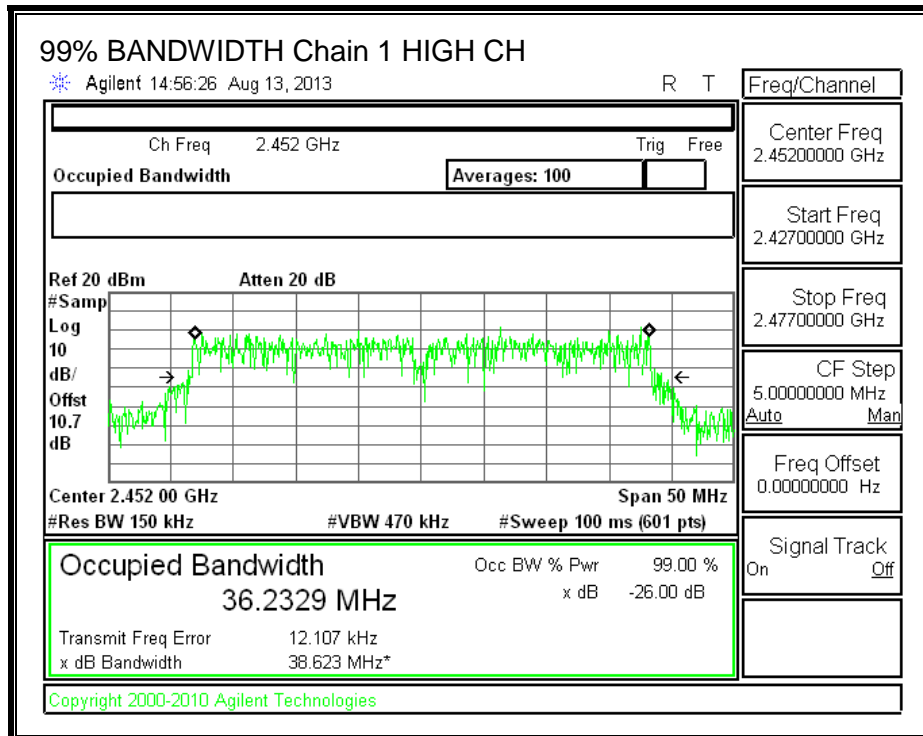
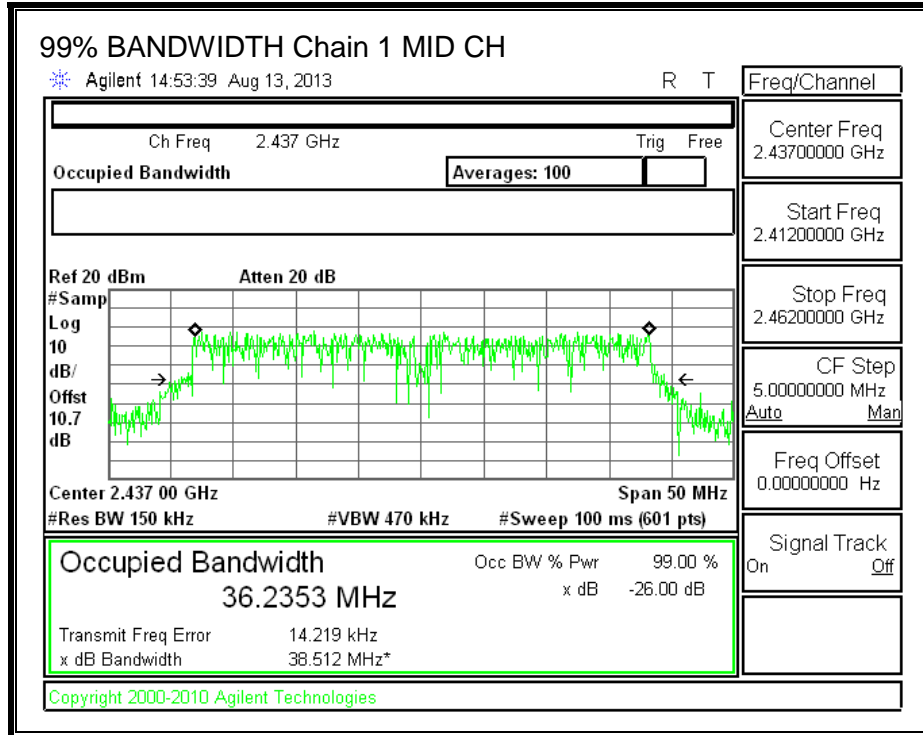
99% BANDWIDTH, Chain 0





99% BANDWIDTH, Chain 1





8.4.3. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.75 dB (including 10 dB pad and .75 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	2422	11.49	11.39	14.45
Mid	2437	15.87	15.88	18.89
High	2452	11.52	11.57	14.56

8.4.4. 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)
3.10	2.60	2.86

RESULTS

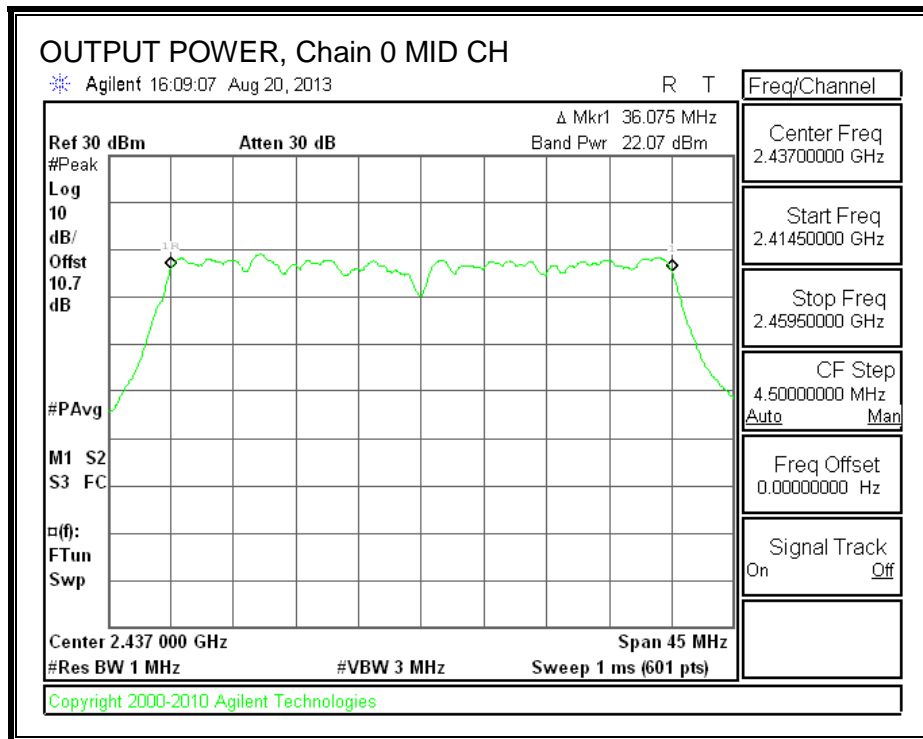
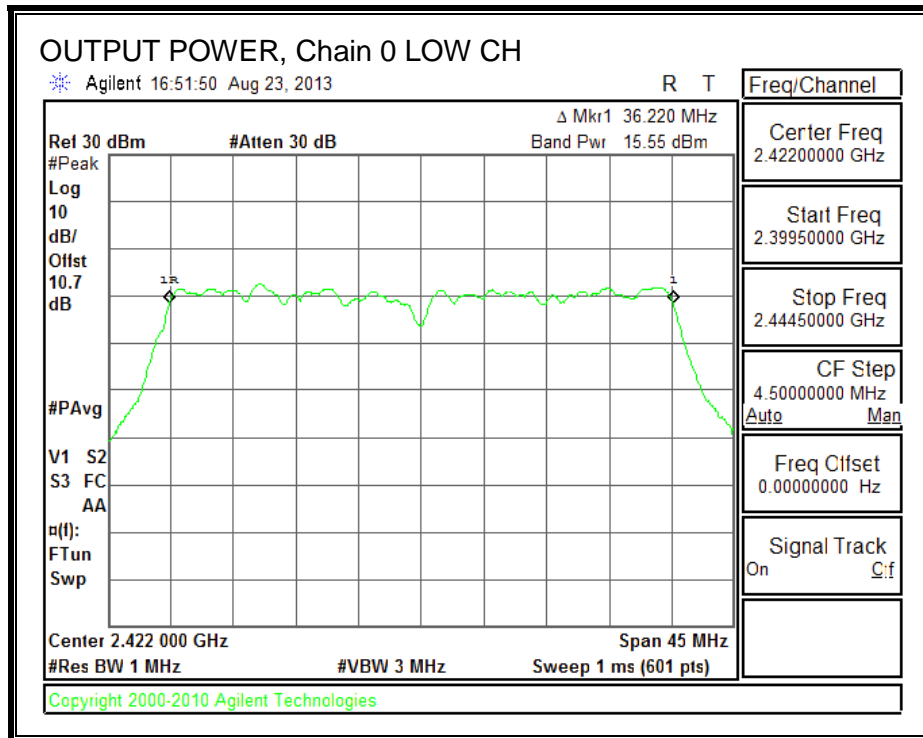
Limits

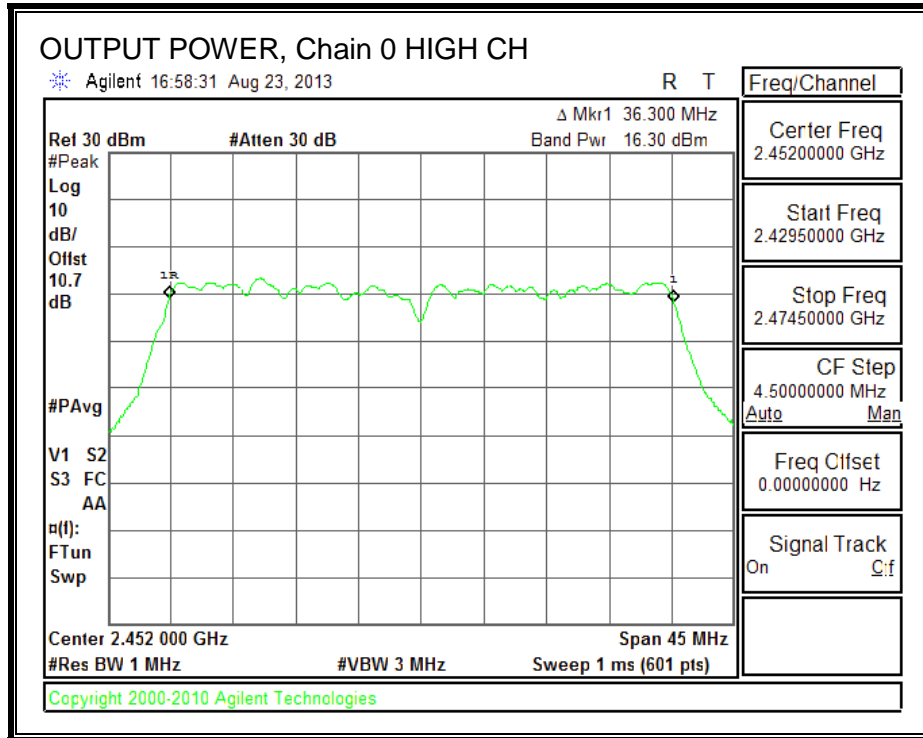
Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	2412	2.86	30.00	30	36	30.00
Mid	2437	2.86	30.00	30	36	30.00
High	2462	2.86	30.00	30	36	30.00

Results

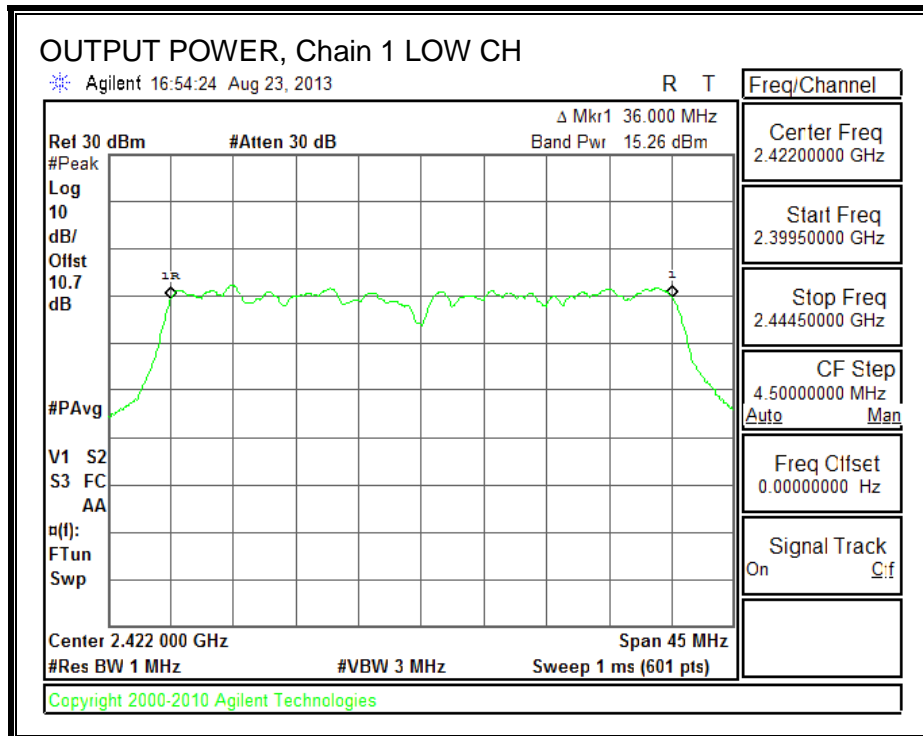
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low	2412	15.55	15.26	18.42	30.00	-11.58
Mid	2437	22.07	22.23	25.16	30.00	-4.84
High	2462	16.30	16.14	19.23	30.00	-10.77

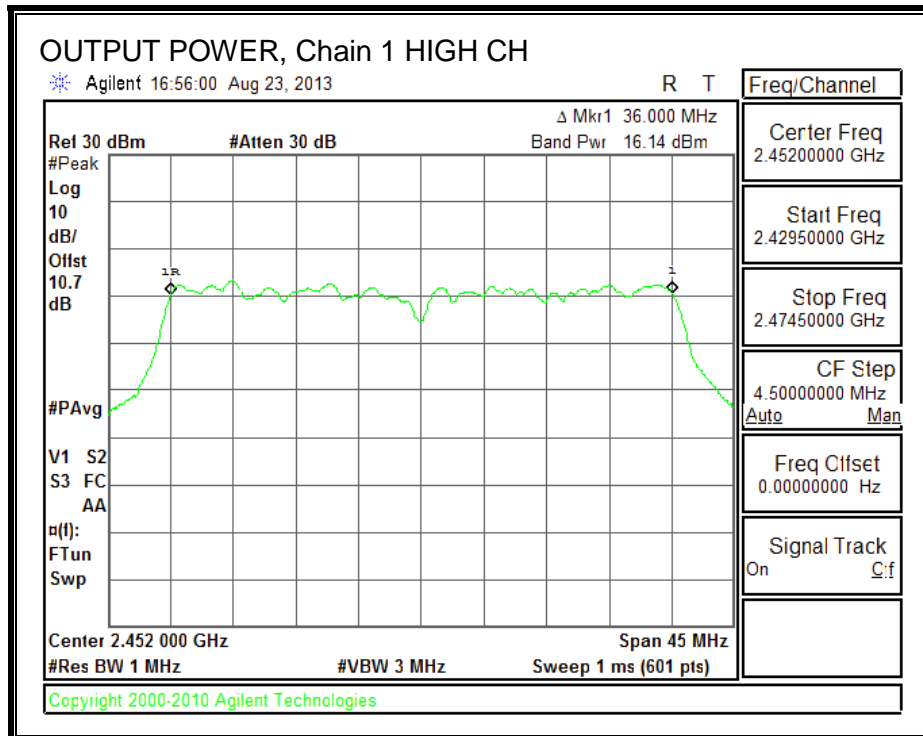
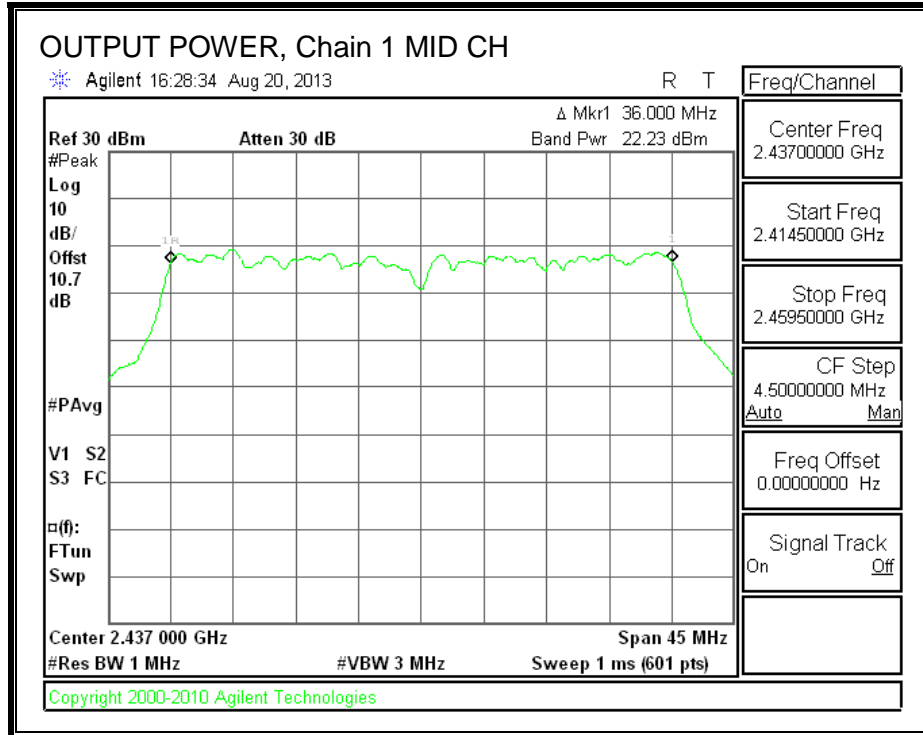
OUTPUT POWER, Chain 0





OUTPUT POWER, Chain 1





8.4.5. PSD

LIMITS

FCC §15.247

IC RSS-210 A8.2

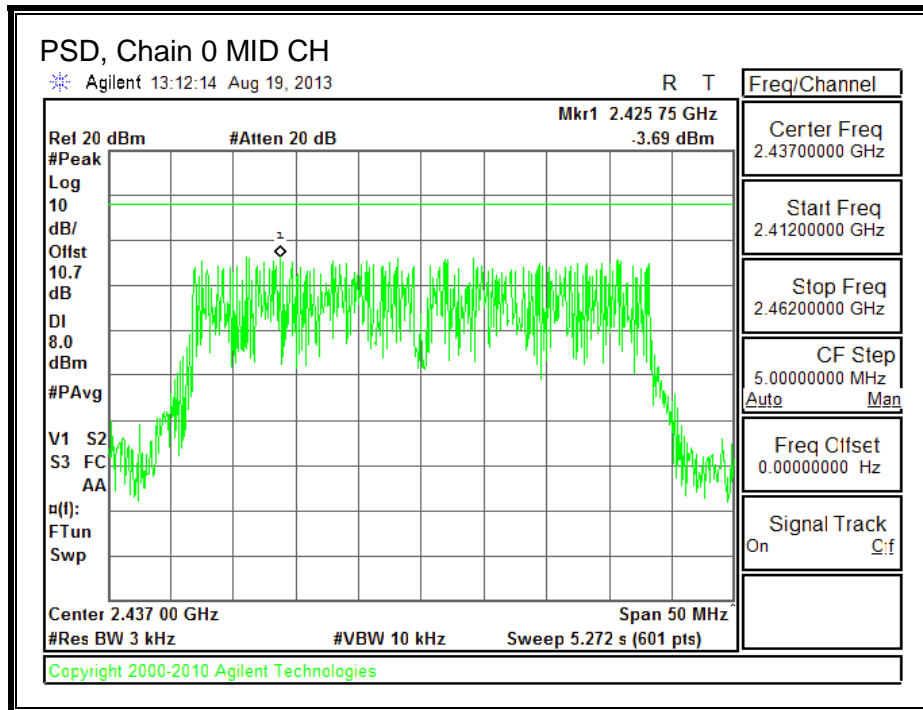
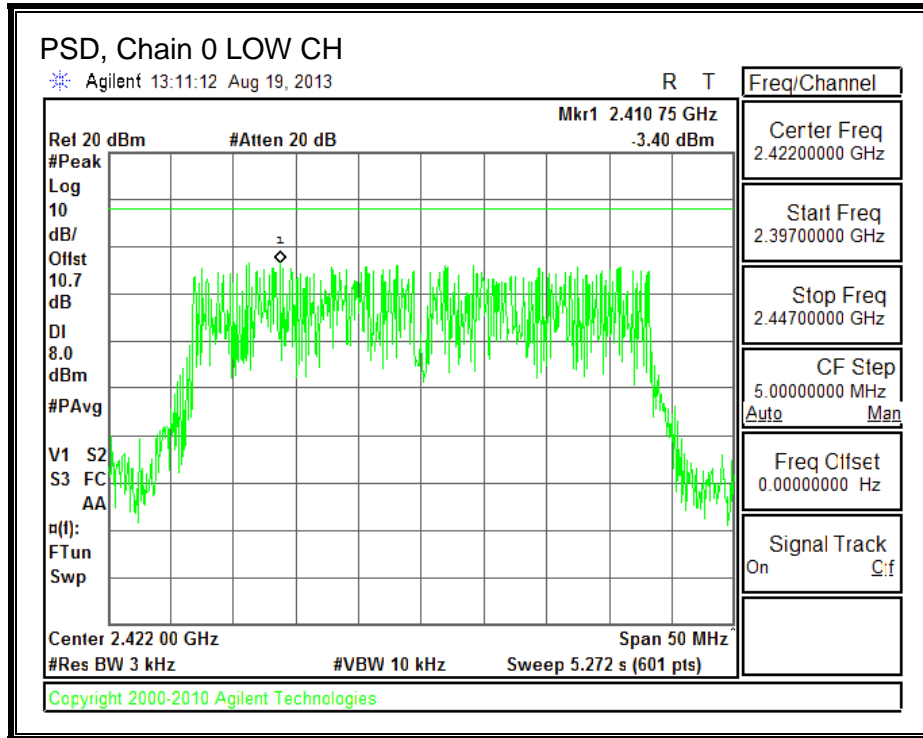
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

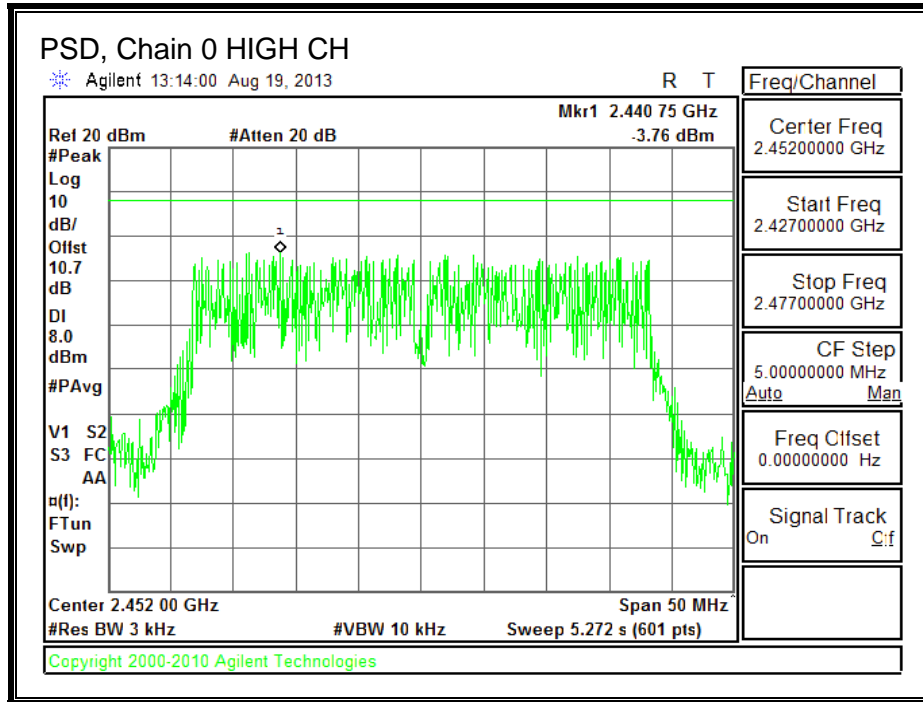
RESULTS

PSD Results

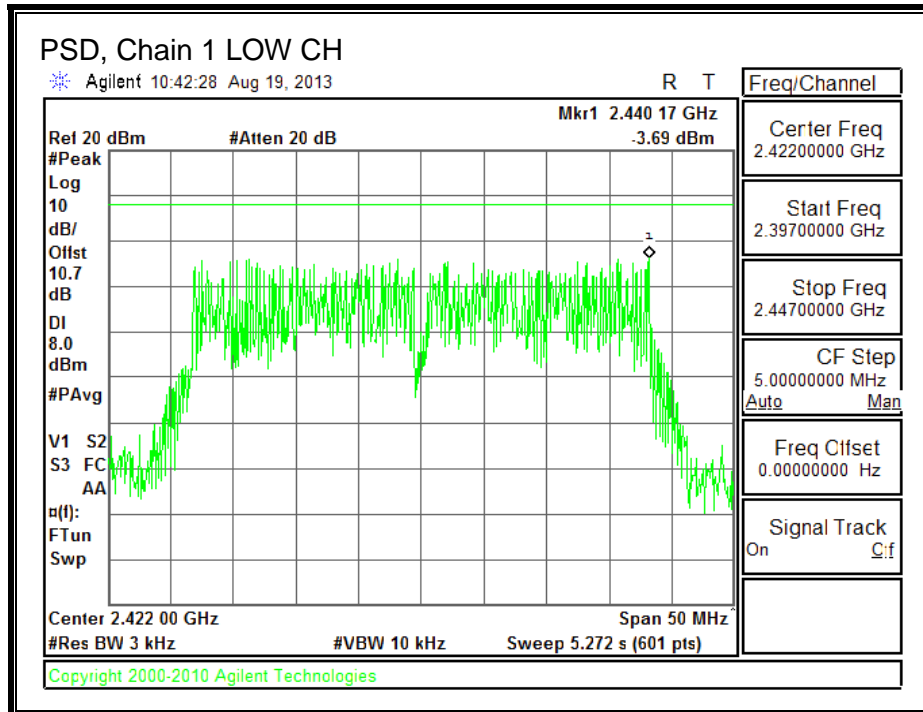
Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Chain 1 Meas (dBm)	Total PSD (dBm)	Limit (dBm)	Margin (dB)
Low	2412	-3.40	-3.69	-0.53	8.0	-8.5
Mid	2437	-3.69	-3.03	-0.34	8.0	-8.3
High	2462	-3.76	-2.65	-0.16	8.0	-8.2

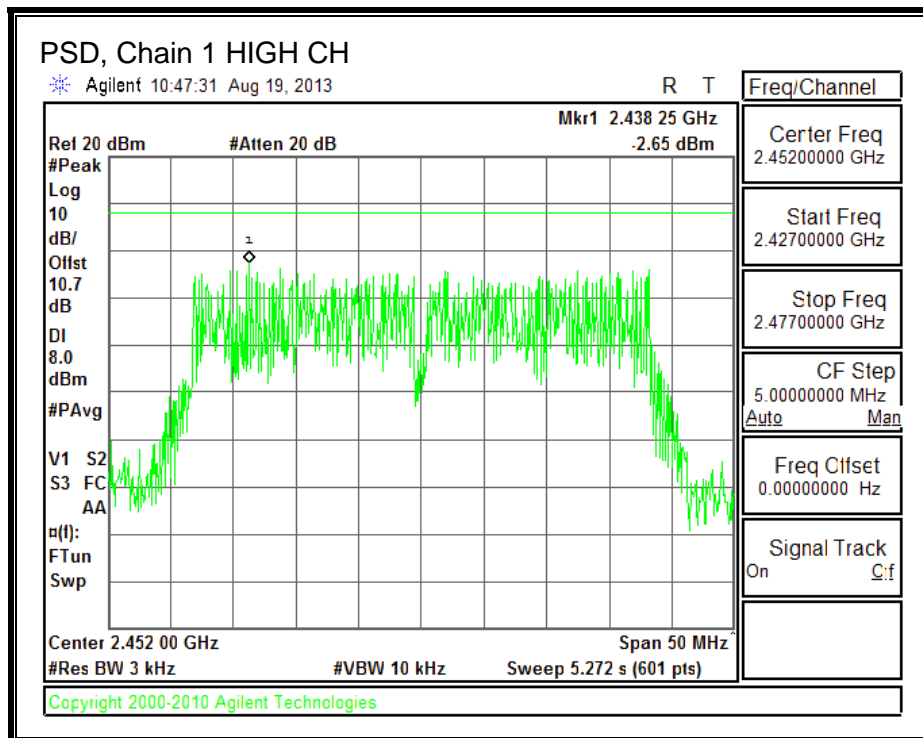
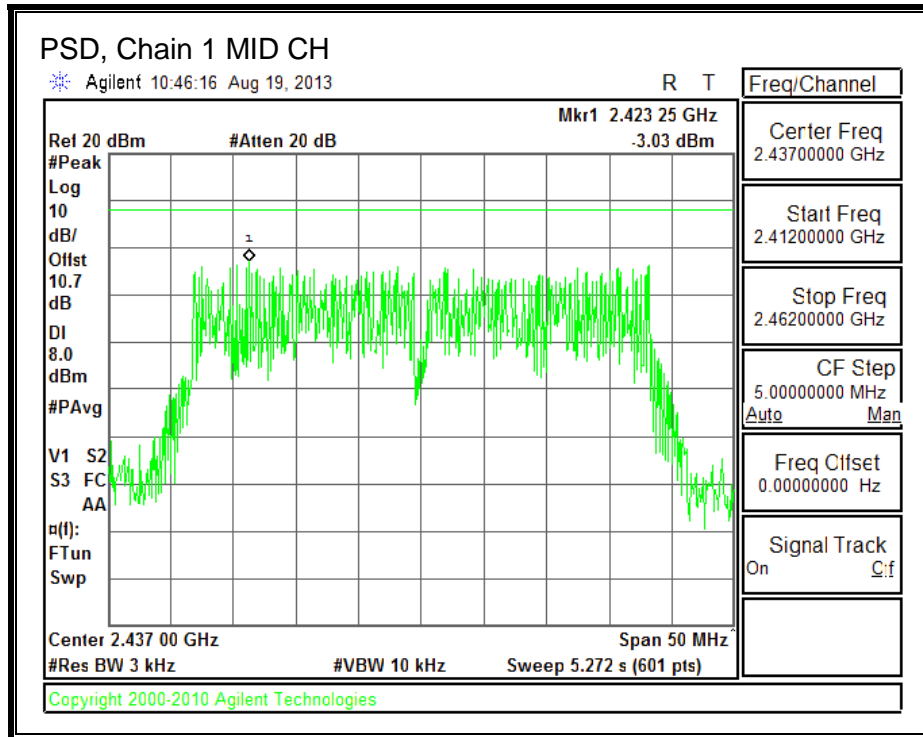
PSD, Chain 0





PSD, Chain 1





8.4.6. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

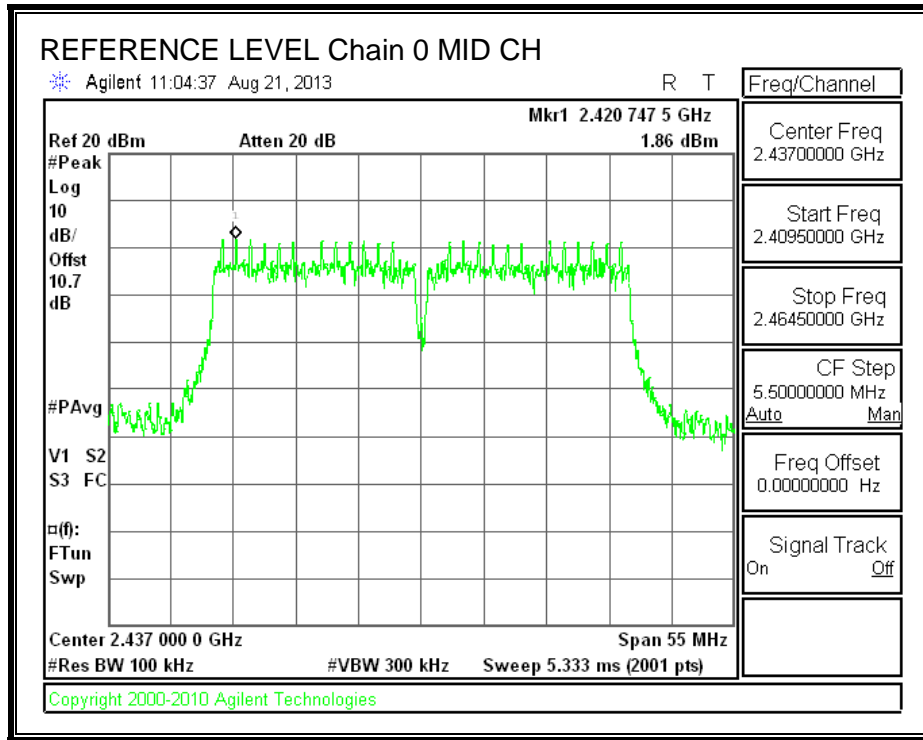
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

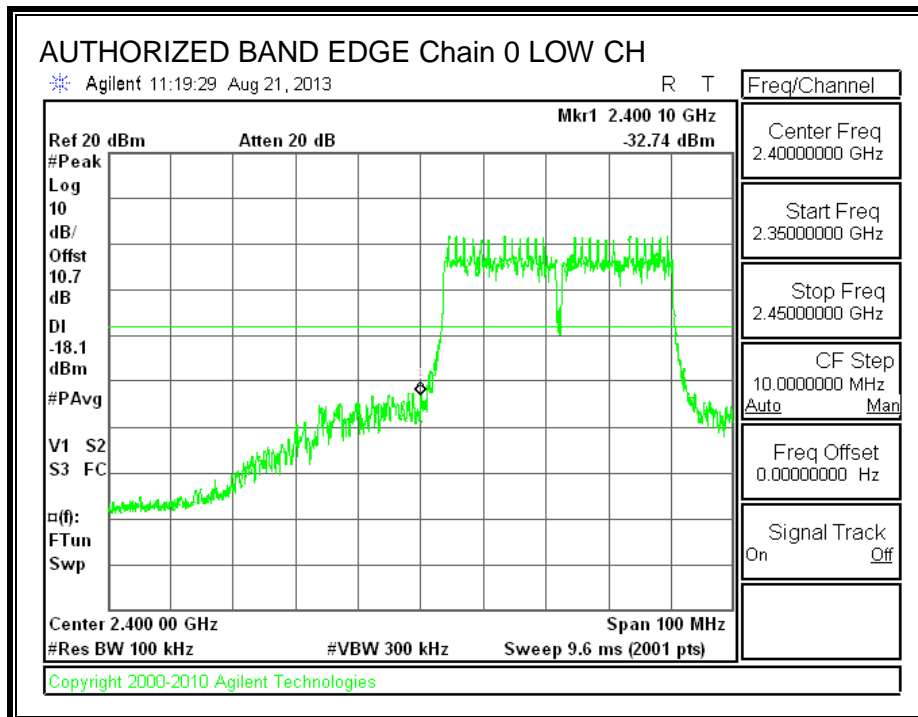
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

RESULTS

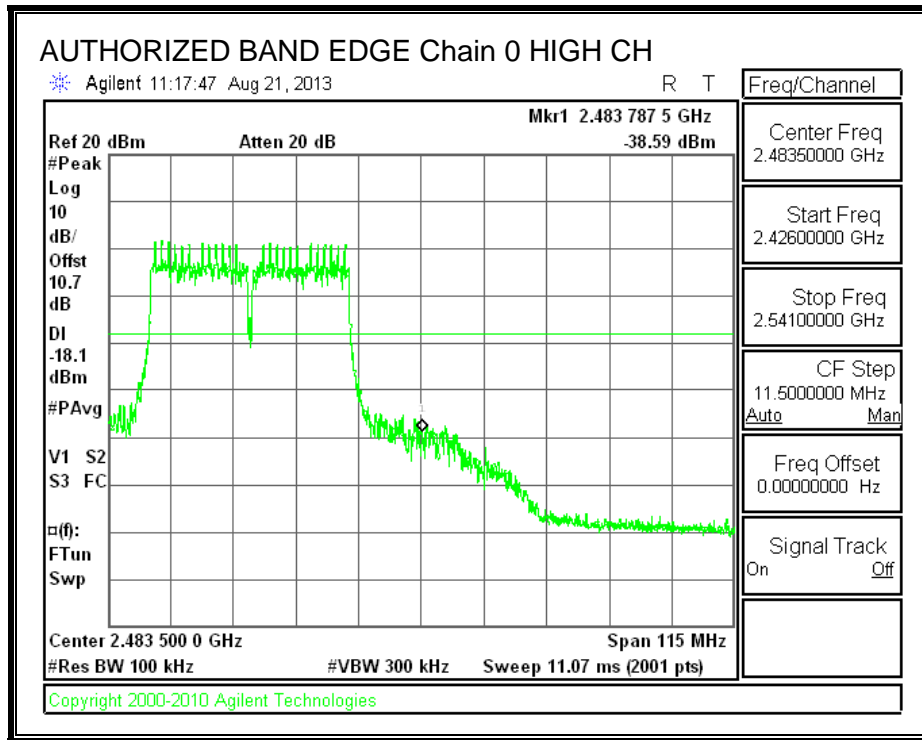
IN-BAND REFERENCE LEVEL, Chain 0



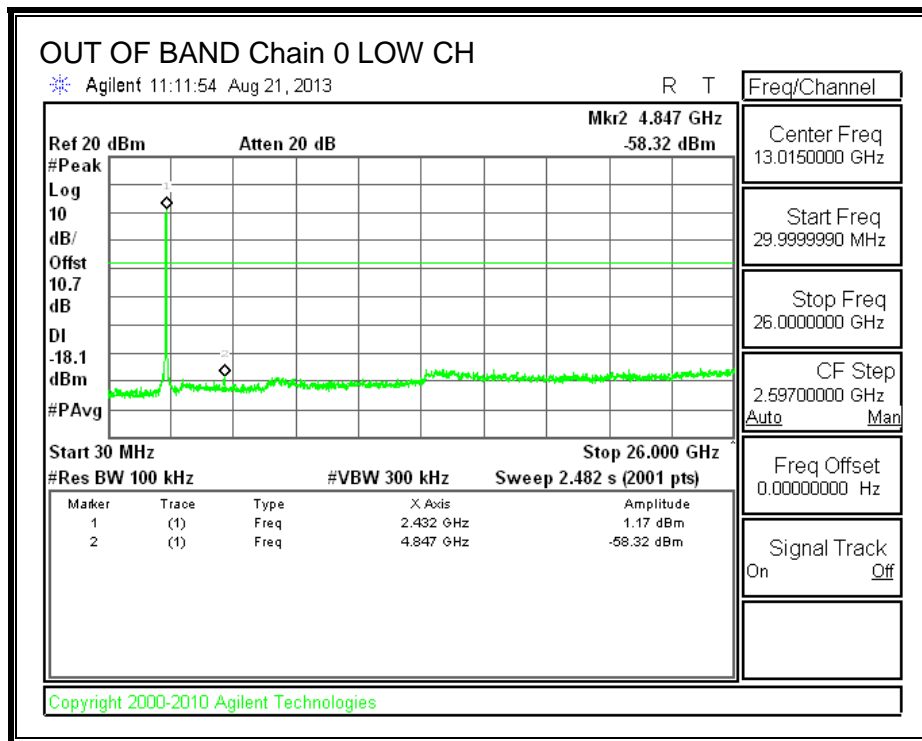
LOW CHANNEL BANDEDGE, Chain 0

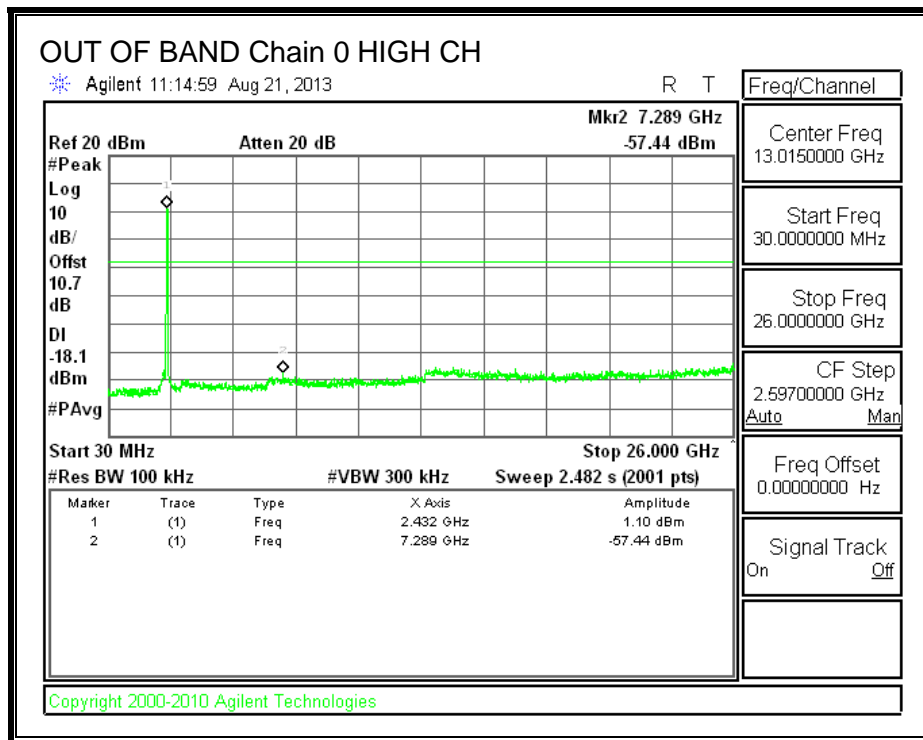
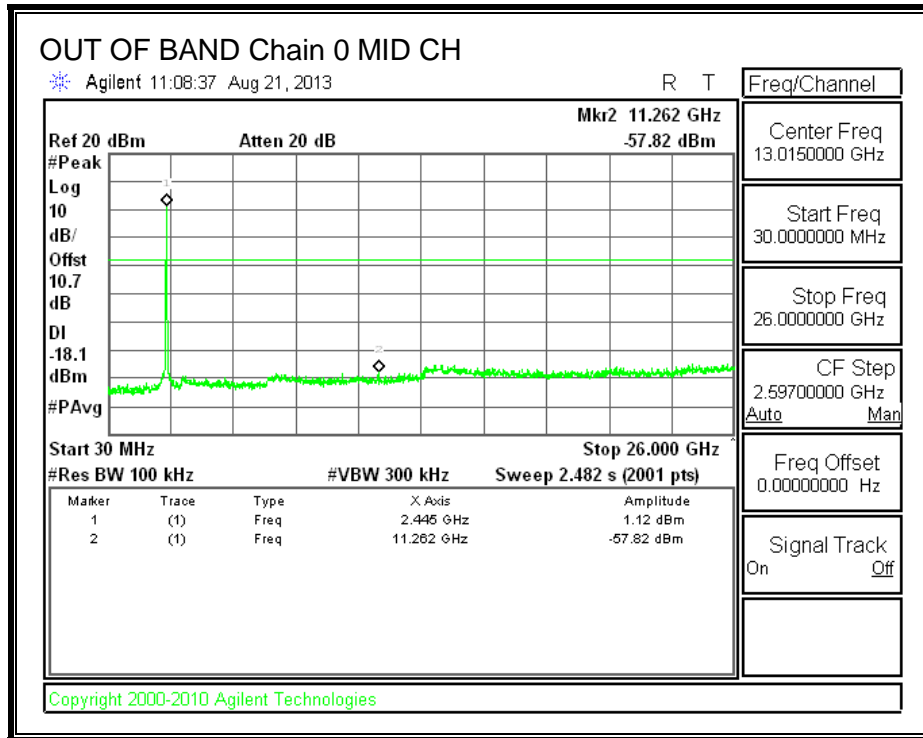


HIGH CHANNEL BANDEDGE, Chain 0

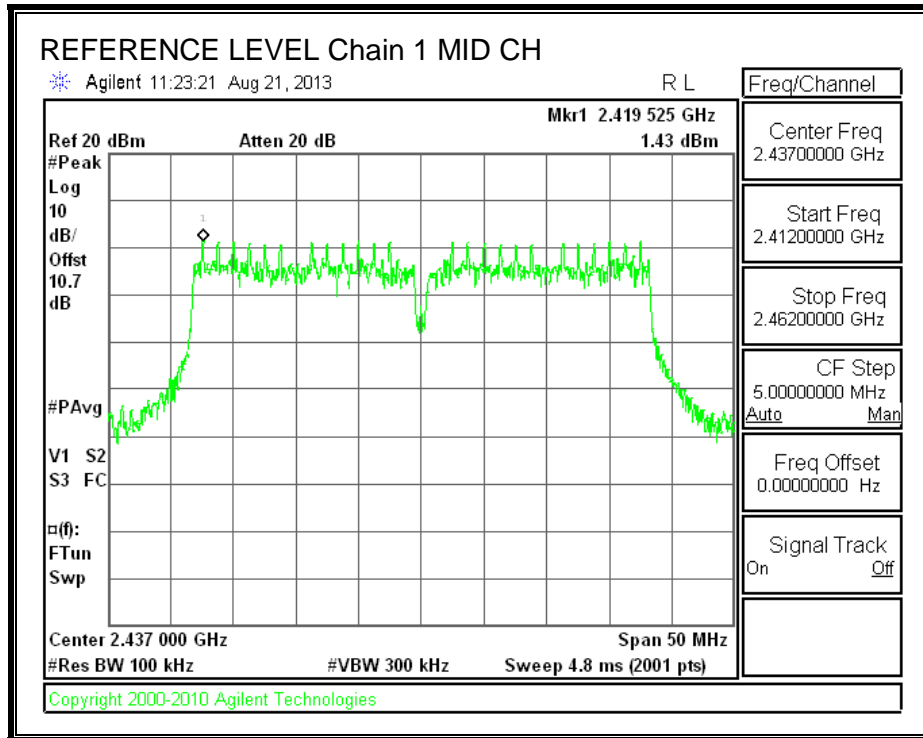


OUT-OF-BAND EMISSIONS, Chain 0

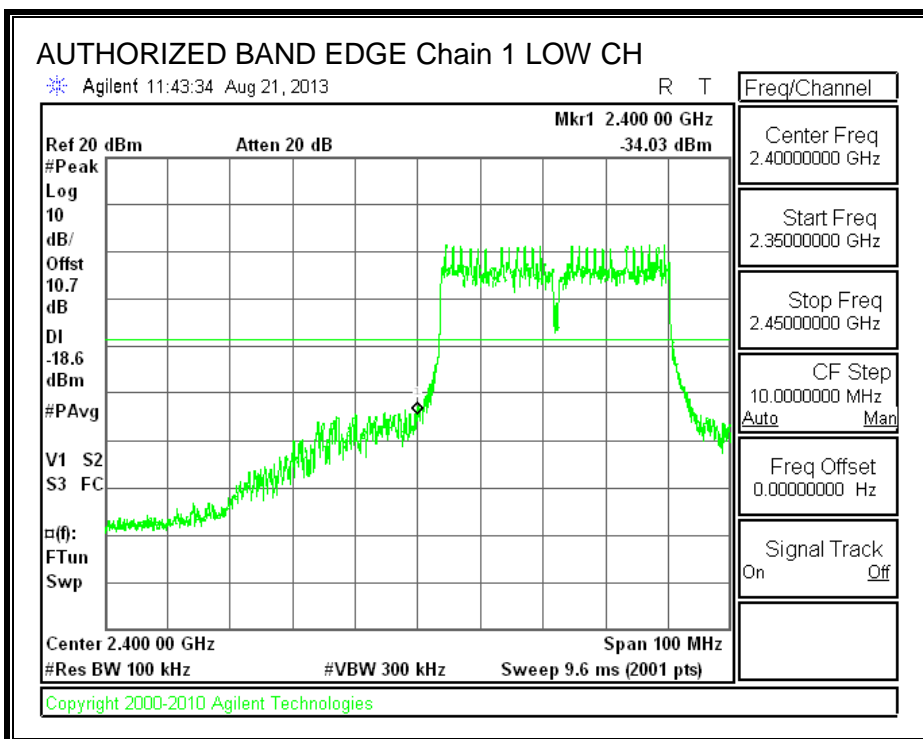




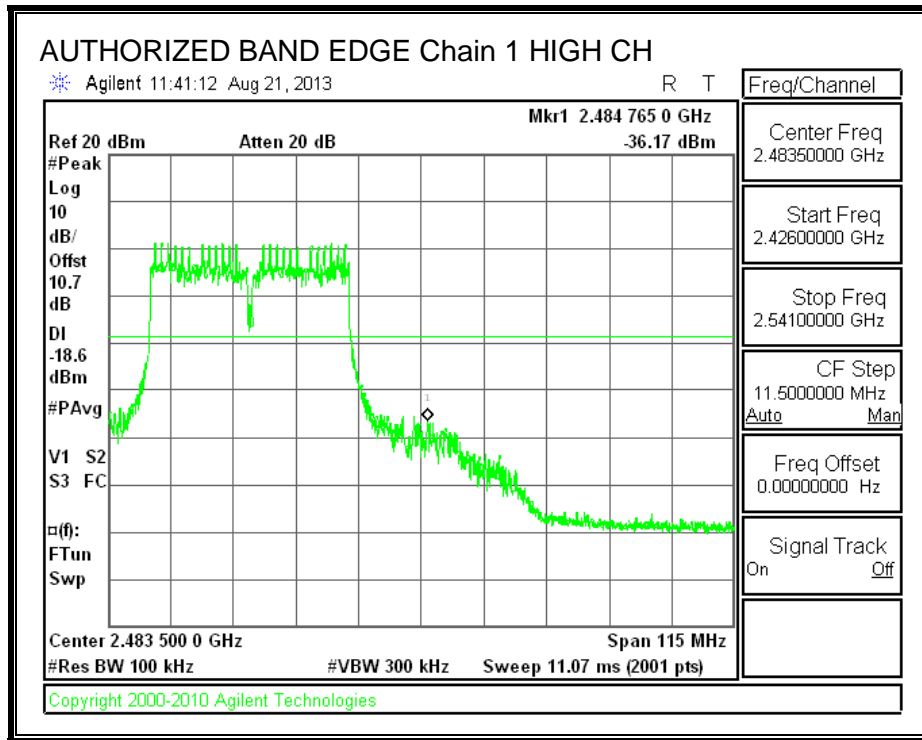
IN-BAND REFERENCE LEVEL, Chain 1



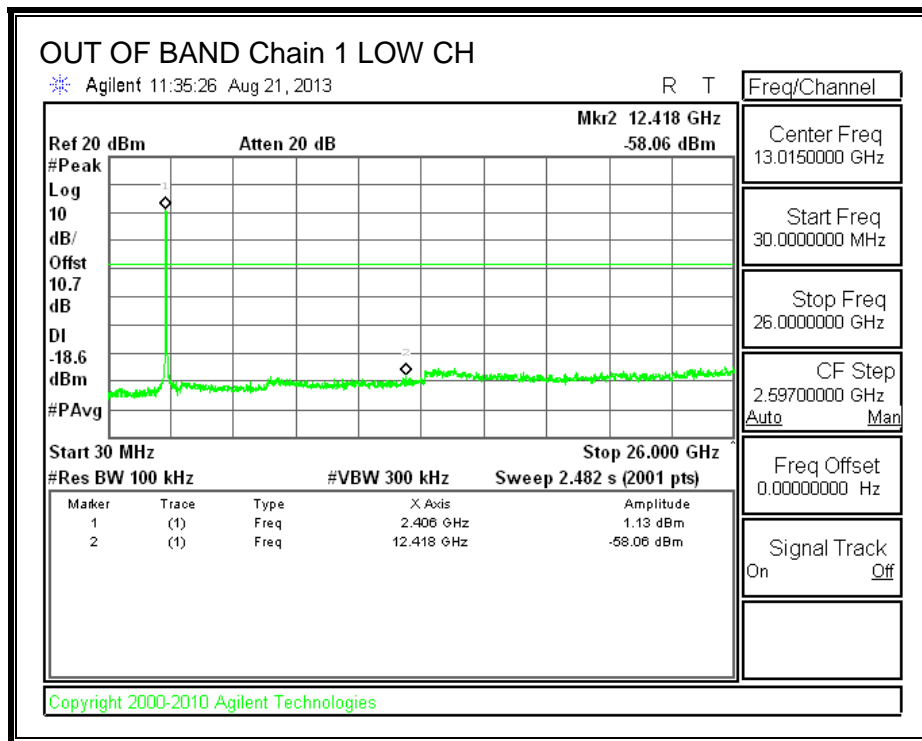
LOW CHANNEL BANDEDGE, Chain 1

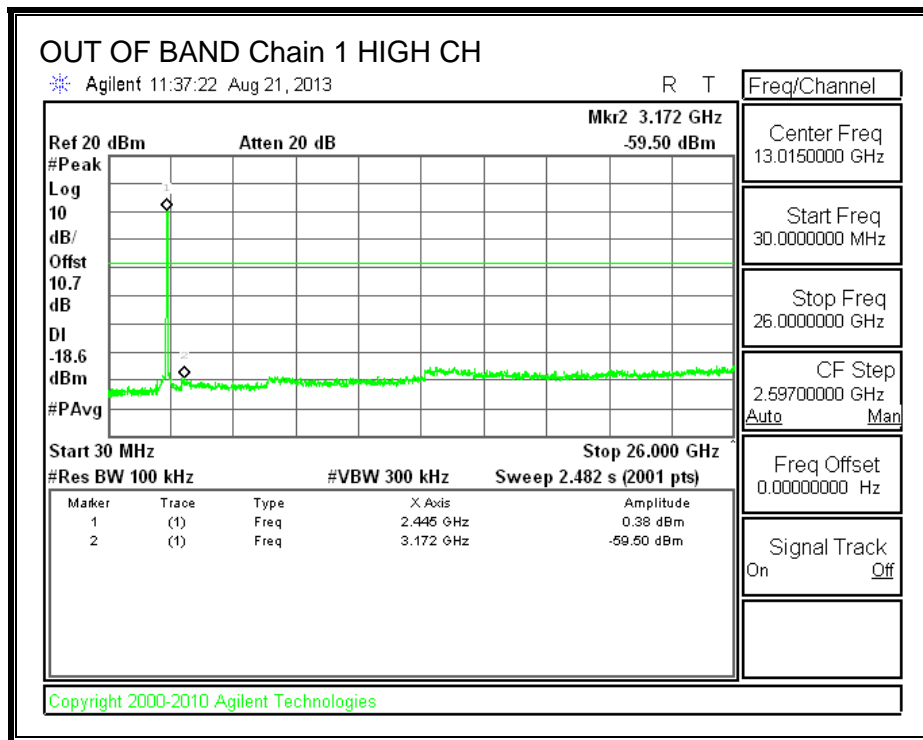
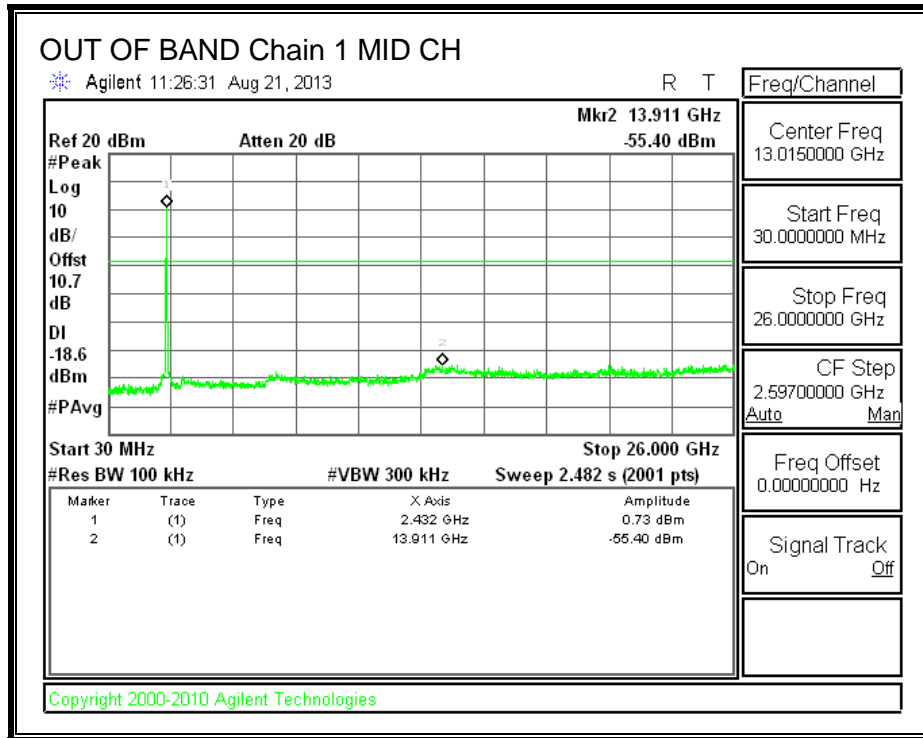


HIGH CHANNEL BANDEDGE, Chain 1



OUT-OF-BAND EMISSIONS, Chain 1





8.5. 802.11a MODE IN THE 5.8 GHz BAND

8.5.1. 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.

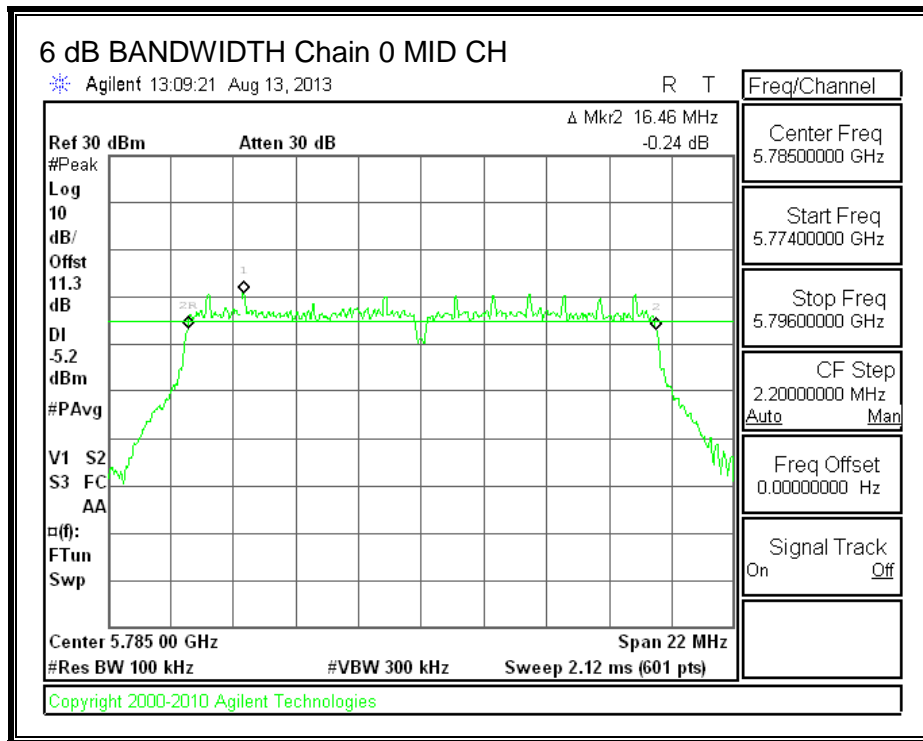
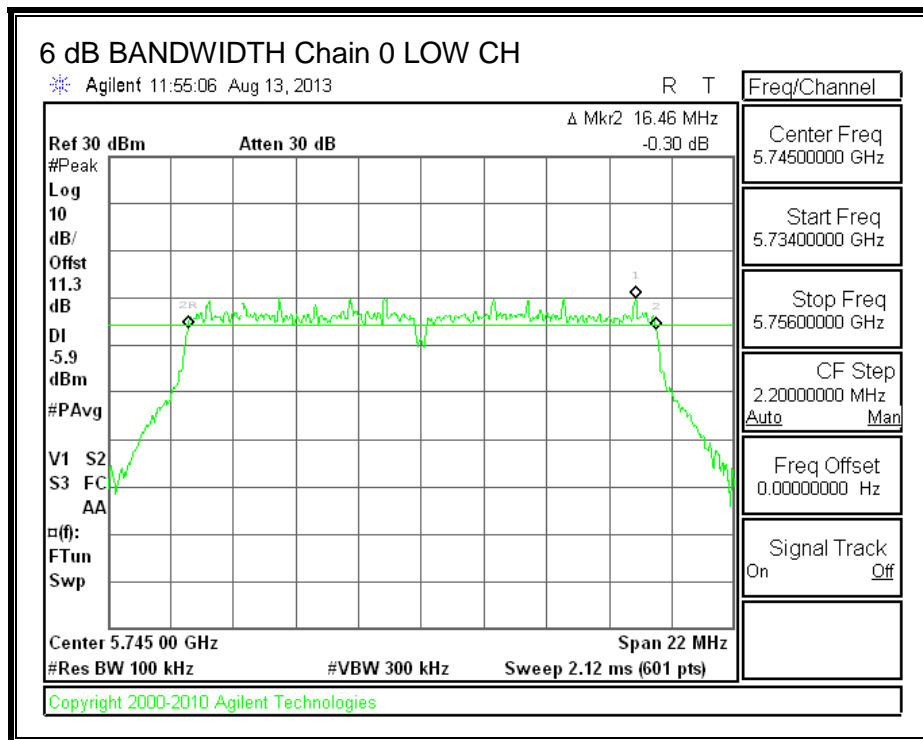
TEST PROCEDURE

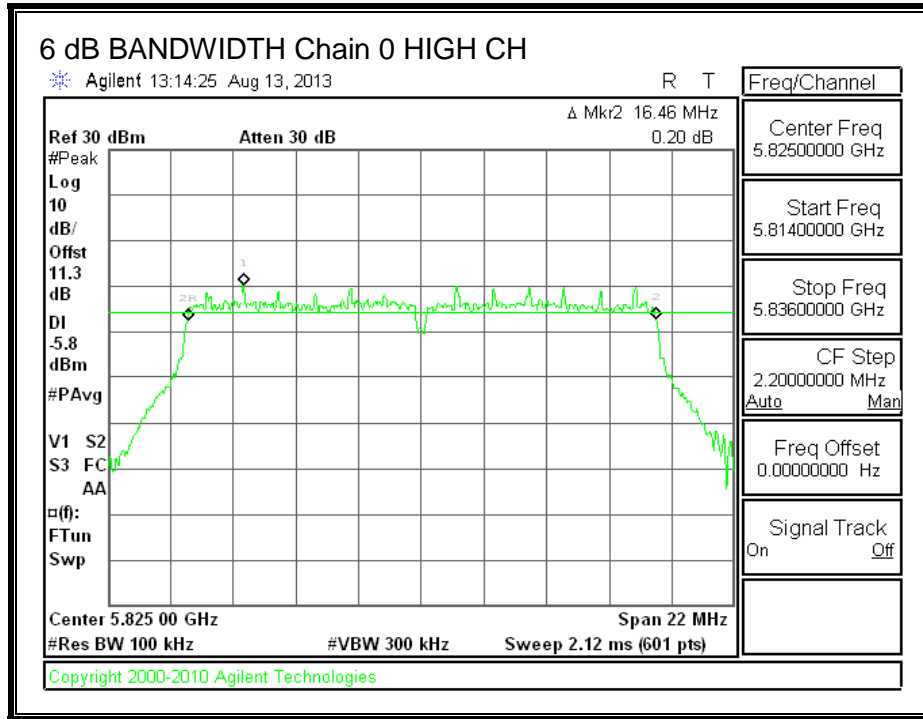
The transmitter output is connected to a spectrum analyzer with the RBW set between 1% and 5% of the EBW, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

RESULTS

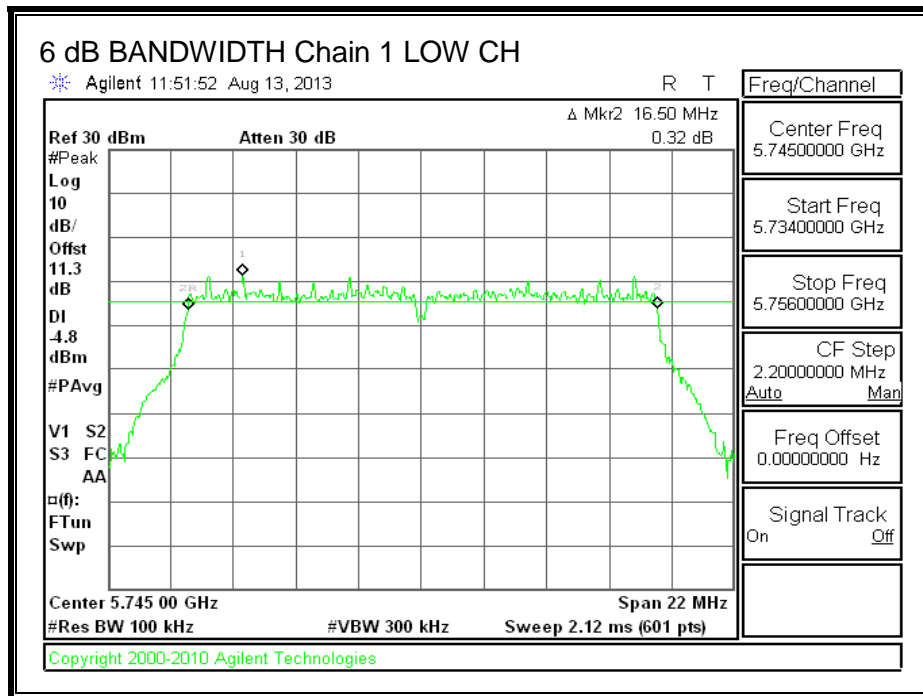
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	16.46	16.50	0.5
Mid	5785	16.46	16.50	0.5
High	5825	16.46	16.50	0.5

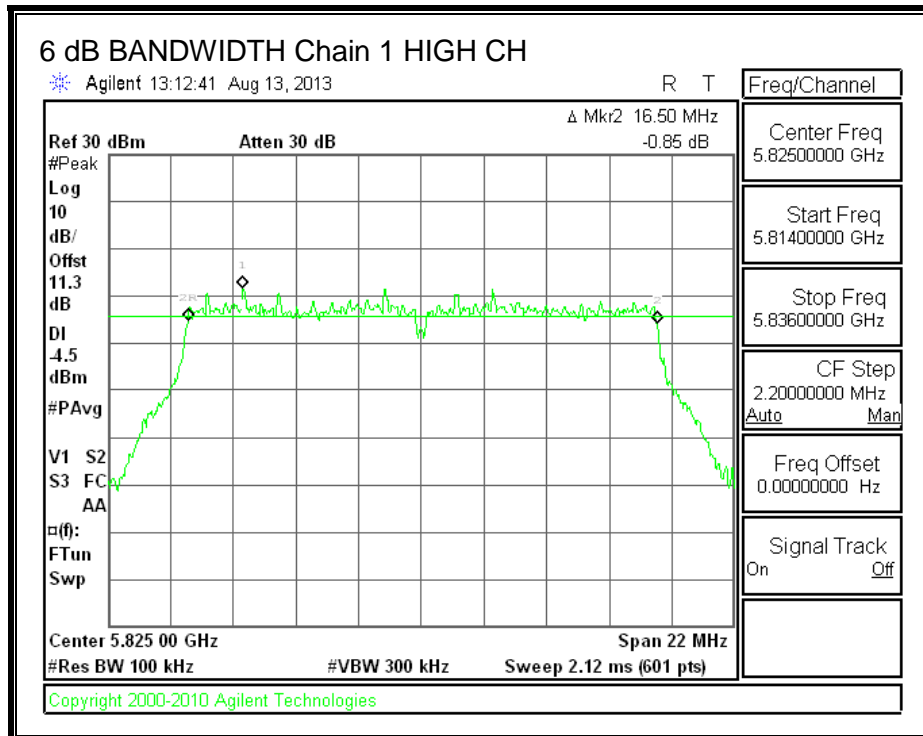
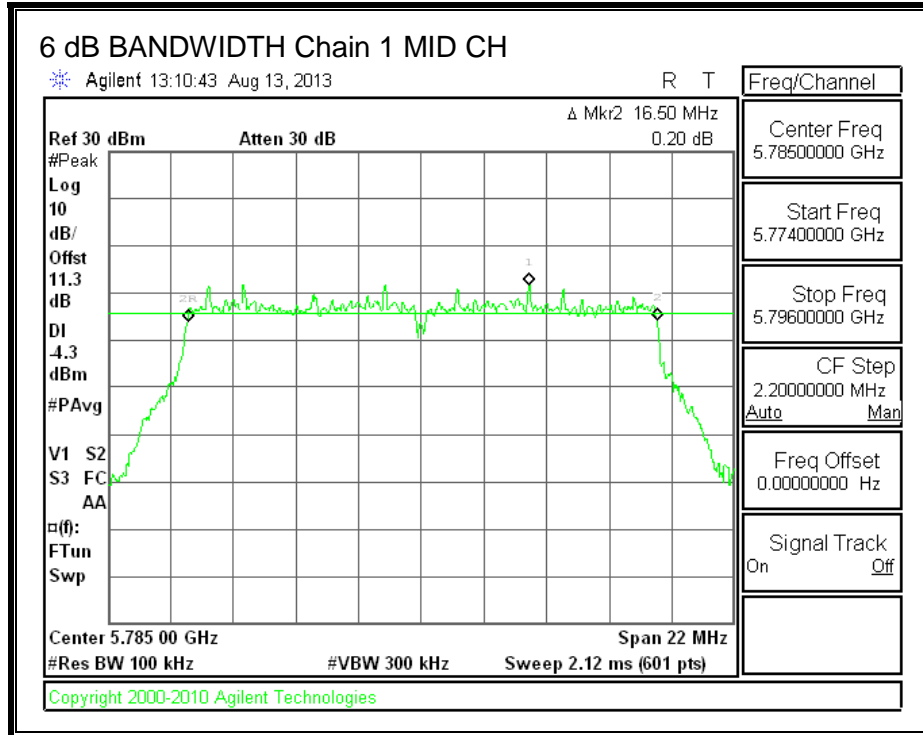
6 dB BANDWIDTH, Chain 0





6 dB BANDWIDTH, Chain 1





8.5.2. 99% BANDWIDTH

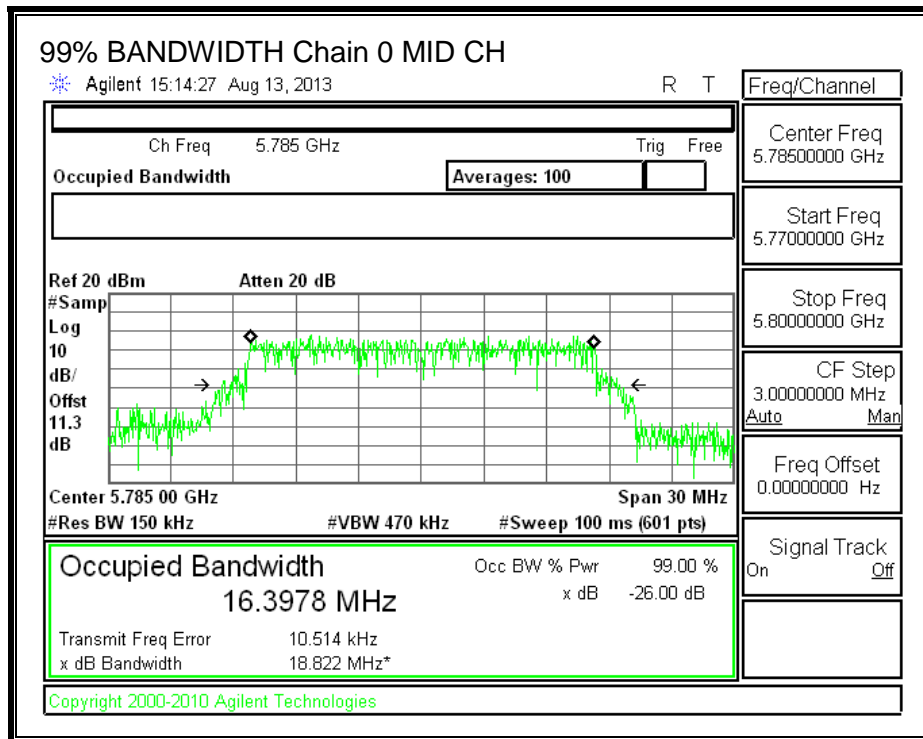
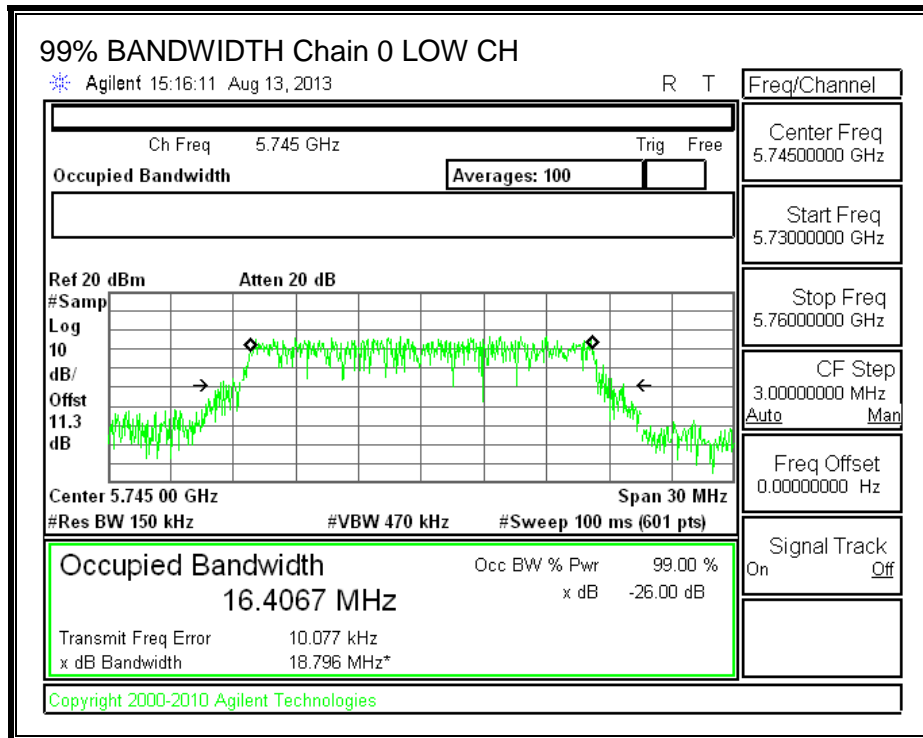
LIMITS

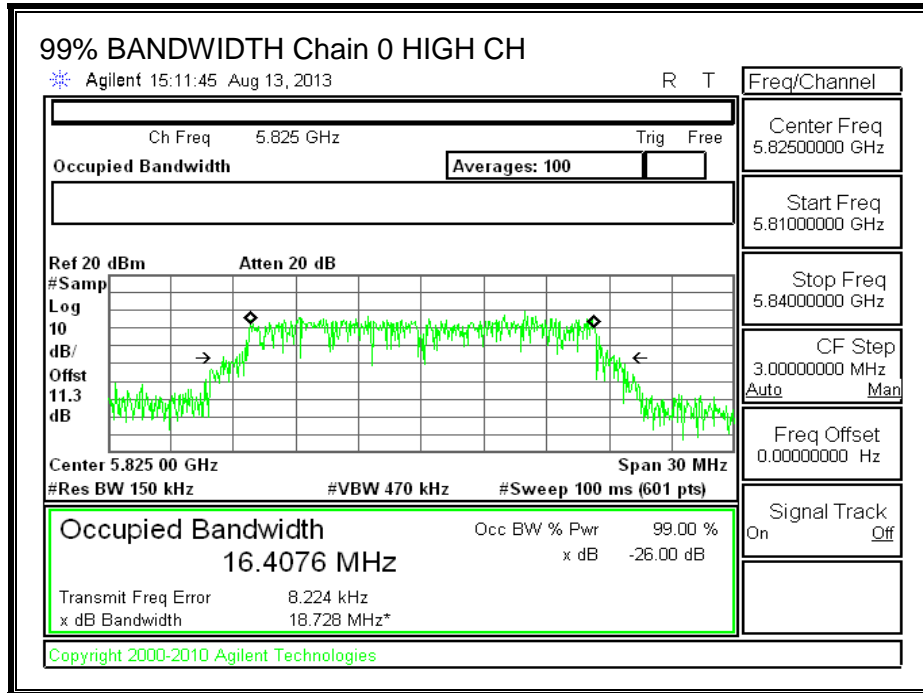
None; for reporting purposes only.

RESULTS

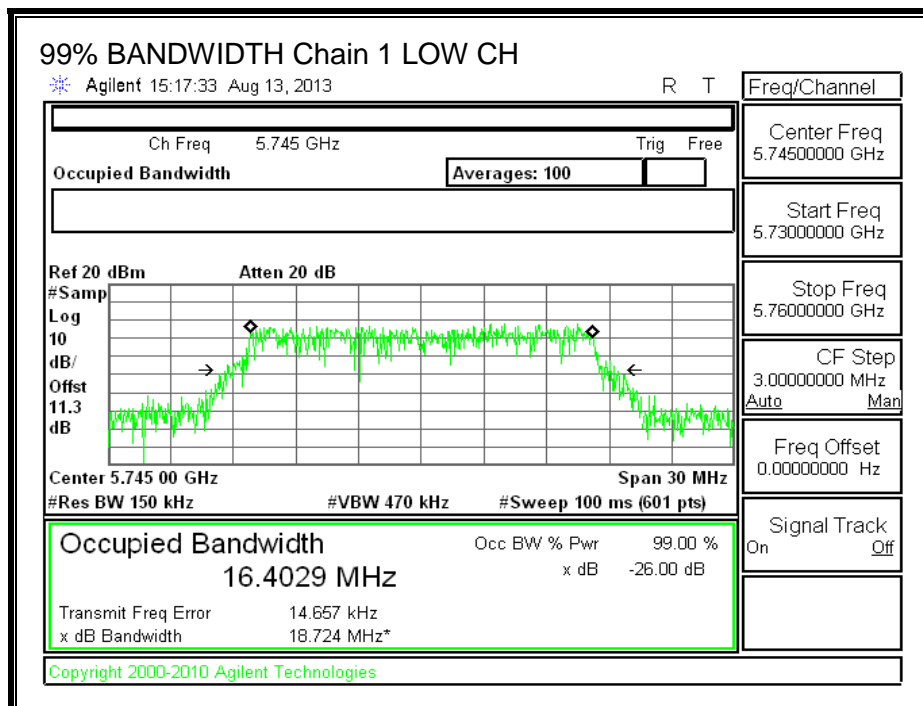
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5745	16.4067	16.4029
Mid	5785	16.3978	16.4058
High	5825	16.4076	16.4133

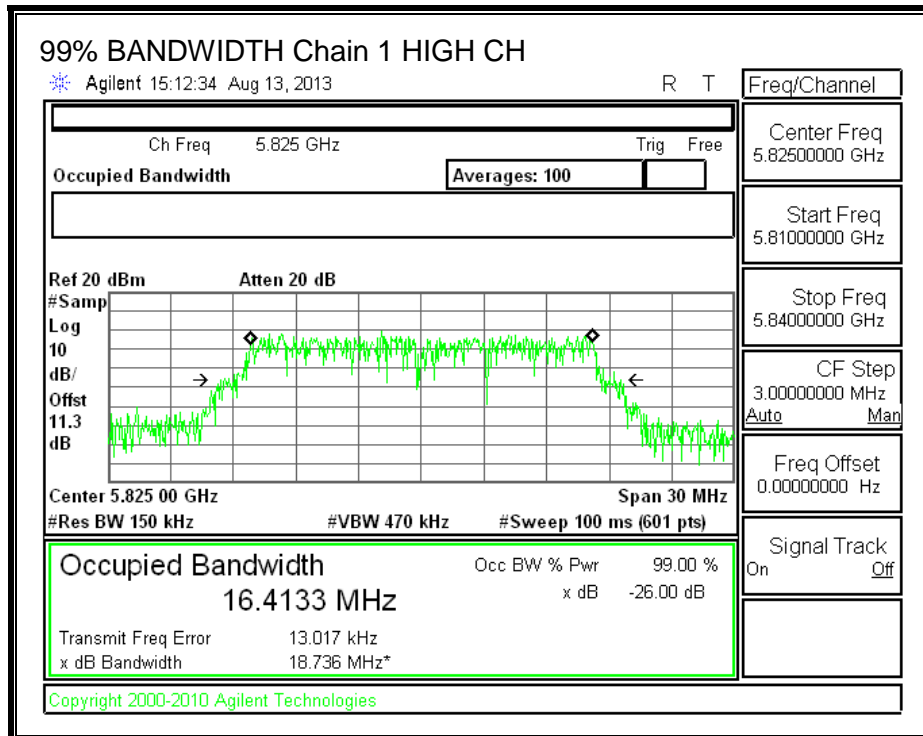
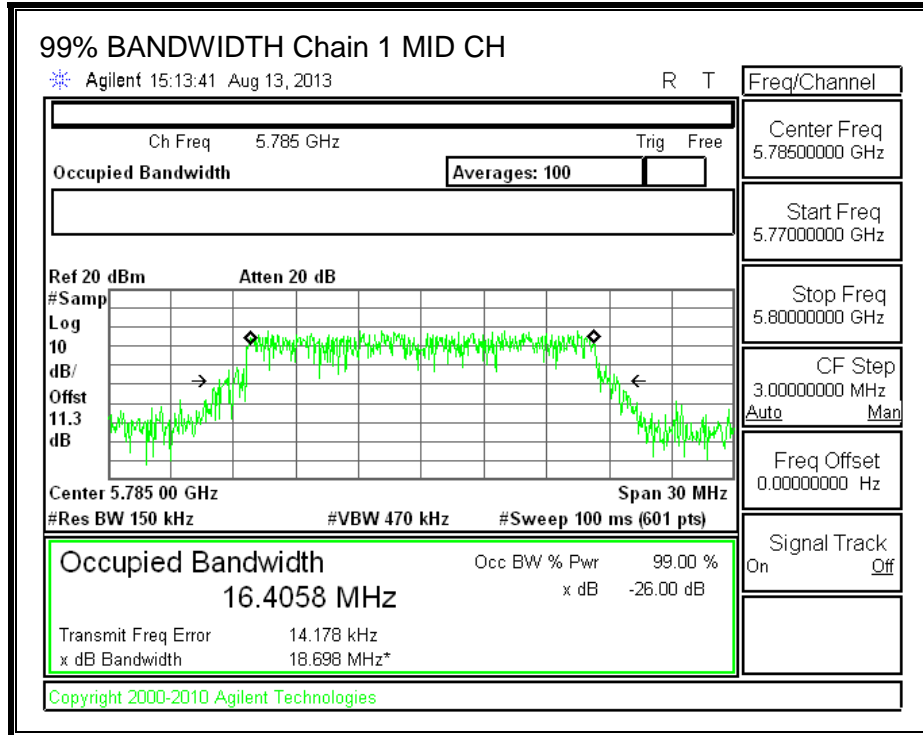
99% BANDWIDTH, Chain 0





99% BANDWIDTH, Chain 1





8.5.3. 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	10.49	10.41	13.46
Mid	5785	11.83	11.34	14.60
High	5825	10.04	10.61	13.34

8.5.4. 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

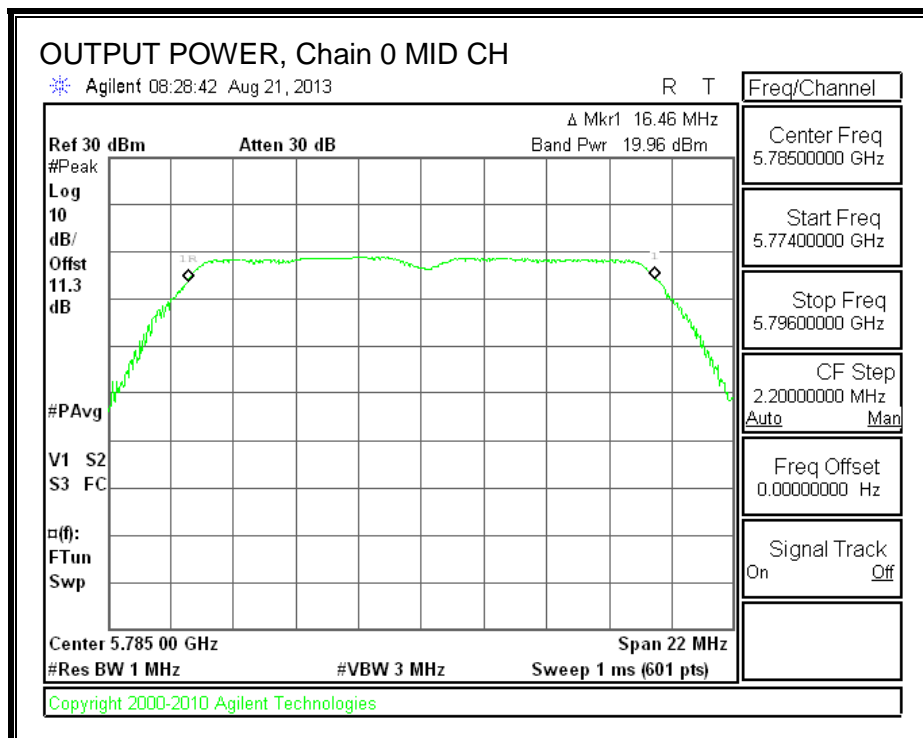
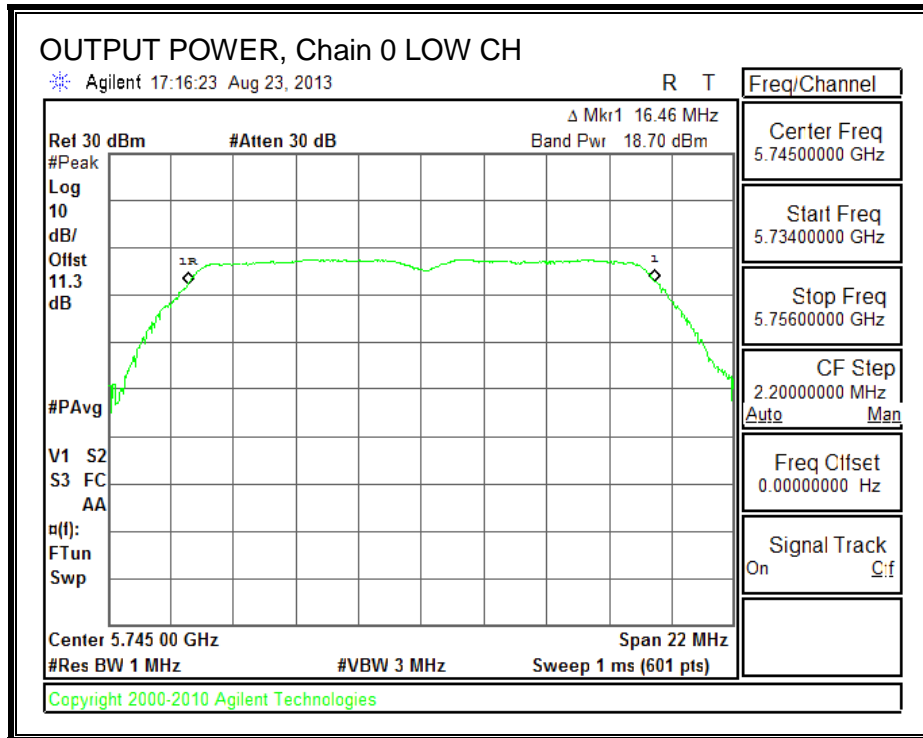
Limits

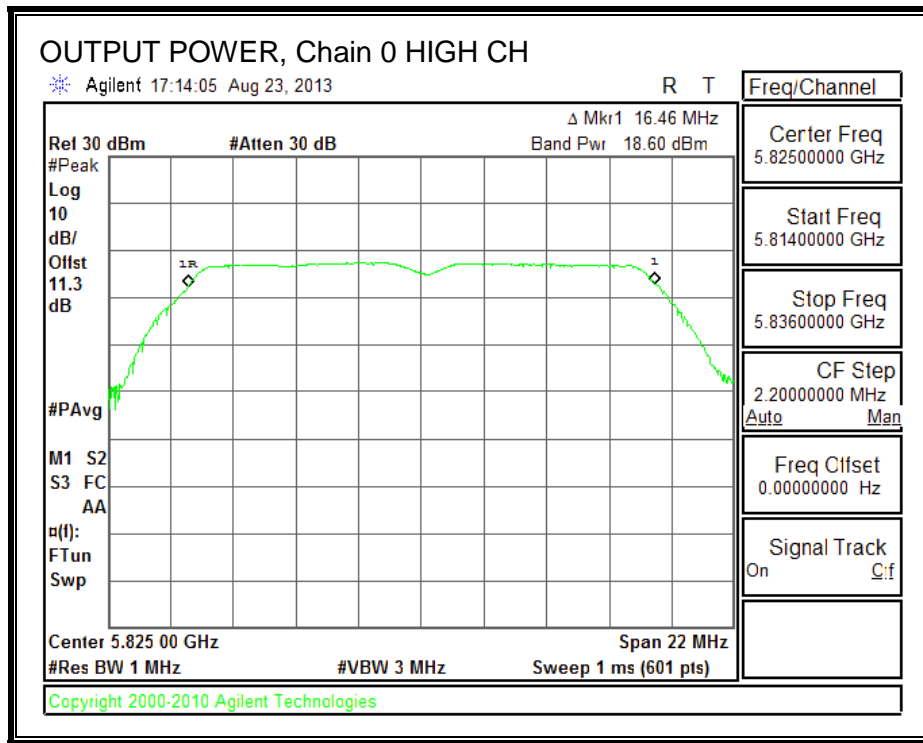
Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5745	3.56	30.00	30	36	30.00
Mid	5785	3.56	30.00	30	36	30.00
High	5825	3.56	30.00	30	36	30.00

Results

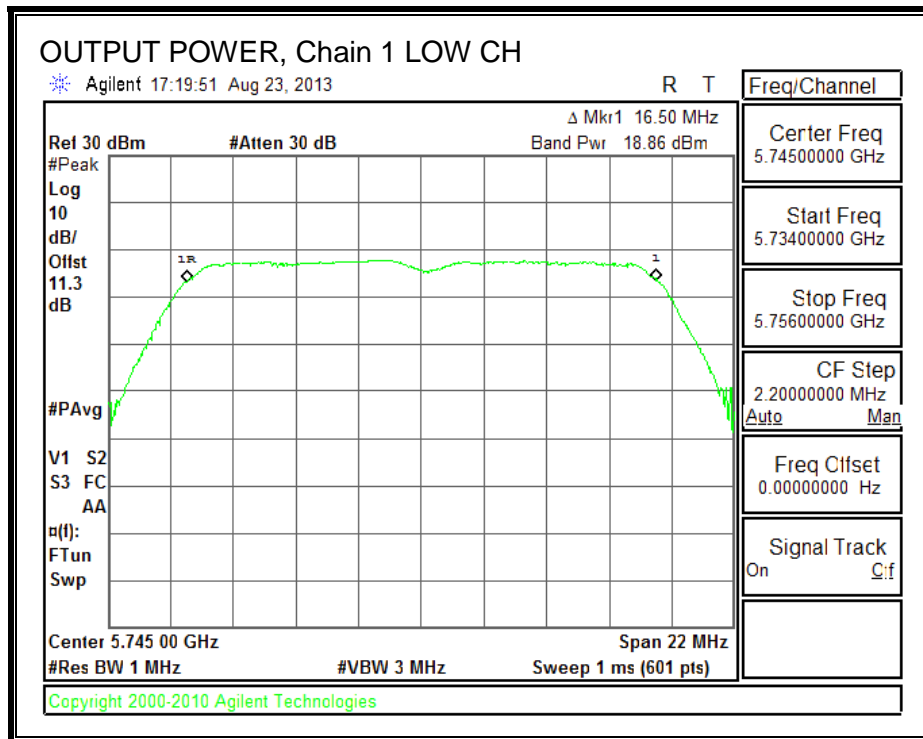
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low	5745	18.70	18.86	21.79	30.00	-8.21
Mid	5785	19.96	20.67	23.34	30.00	-6.66
High	5825	18.60	19.17	21.90	30.00	-8.10

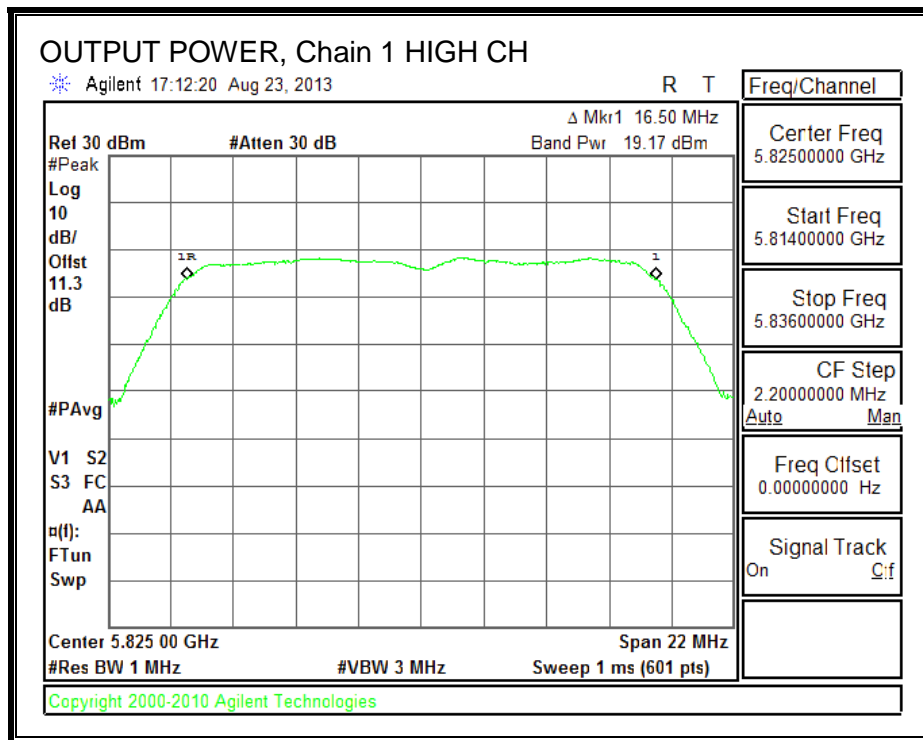
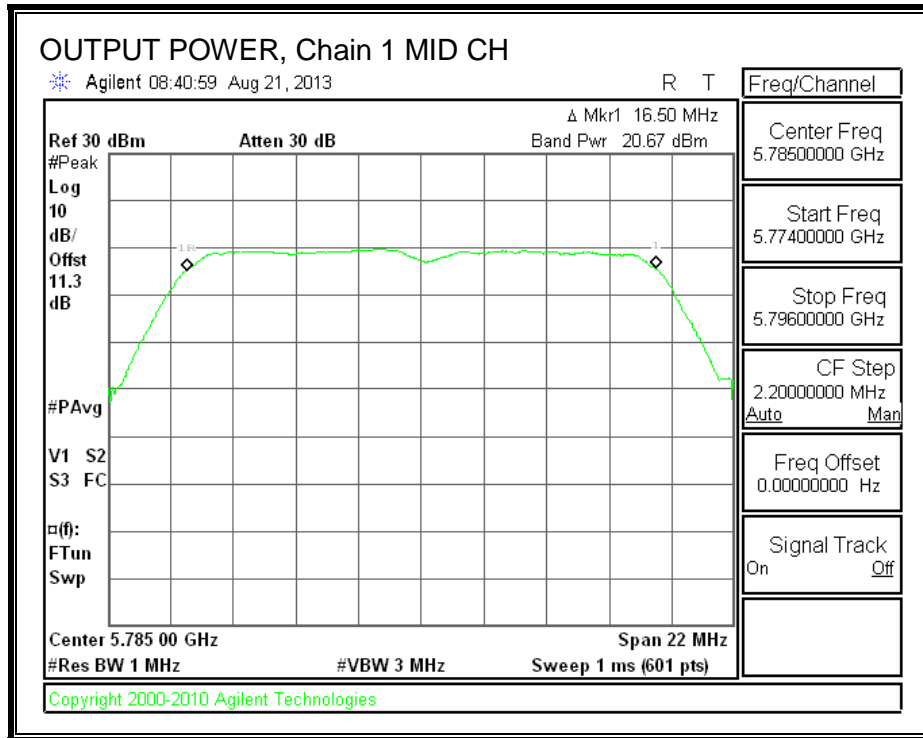
OUTPUT POWER, Chain 0





OUTPUT POWER, Chain 1





8.5.5. PSD

LIMITS

FCC §15.247

IC RSS-210 A8.2

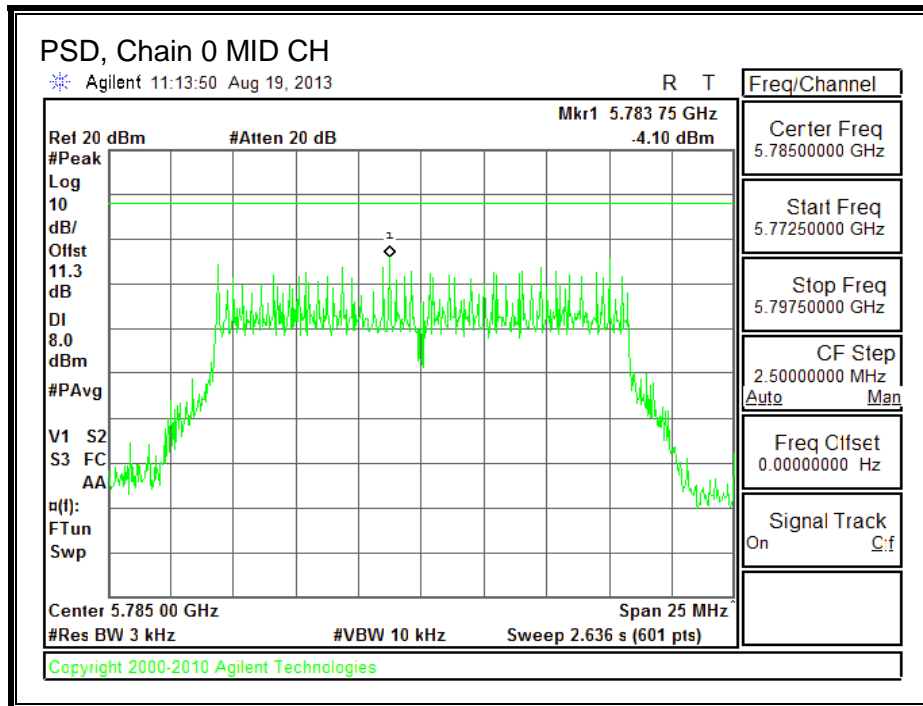
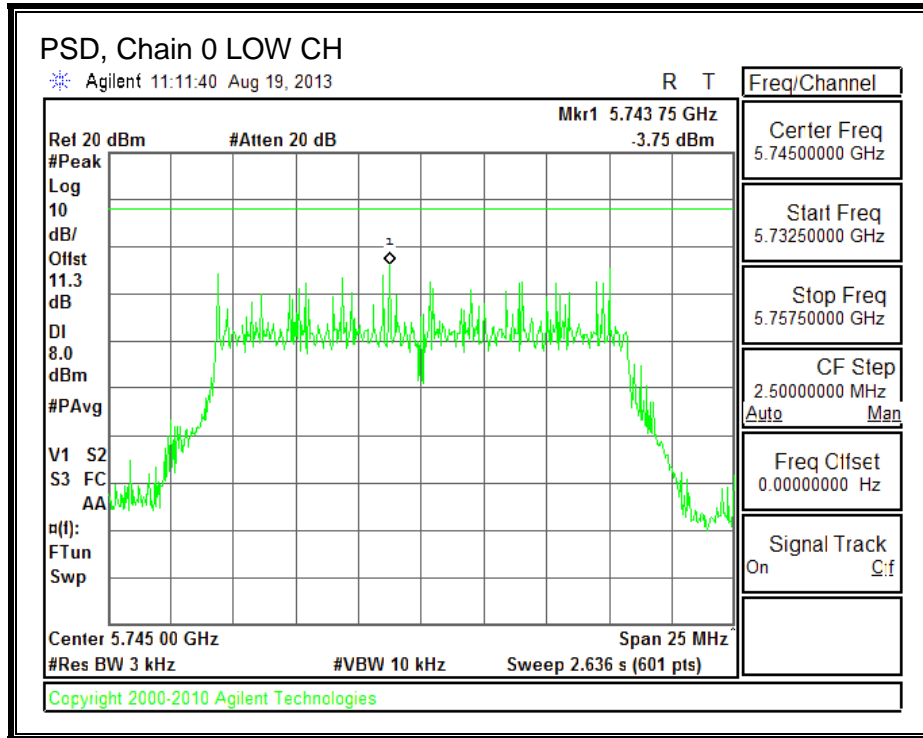
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

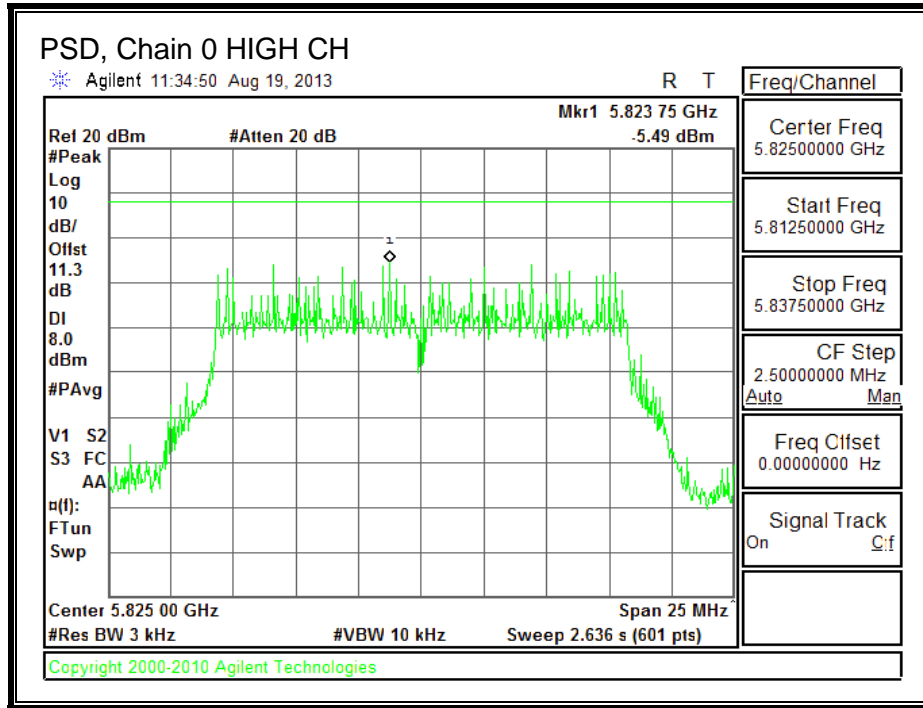
RESULTS

PSD Results

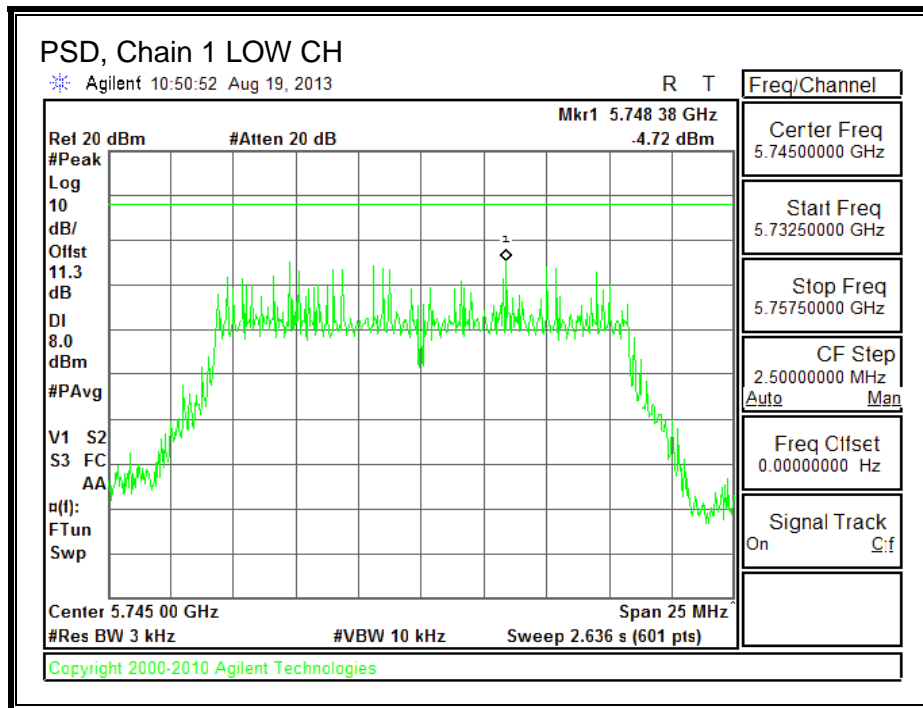
Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Chain 1 Meas (dBm)	Total PSD (dBm)	Limit (dBm)	Margin (dB)
Low	5745	-3.75	-4.72	-1.20	8.0	-9.2
Mid	5785	-4.10	-2.65	-0.30	8.0	-8.3
High	5825	-5.49	-5.01	-2.23	8.0	-10.2

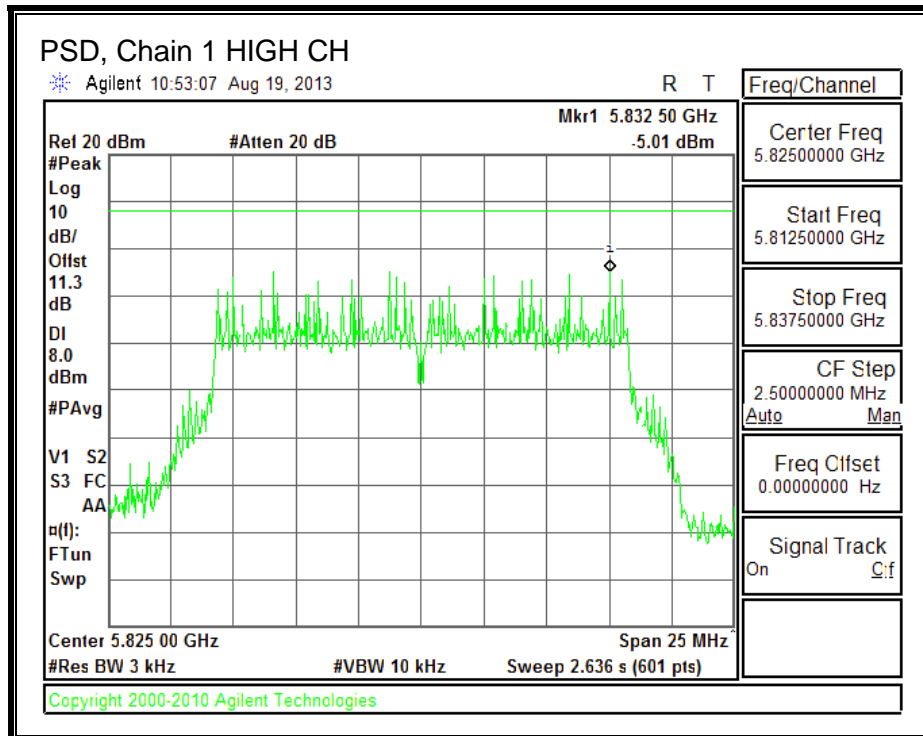
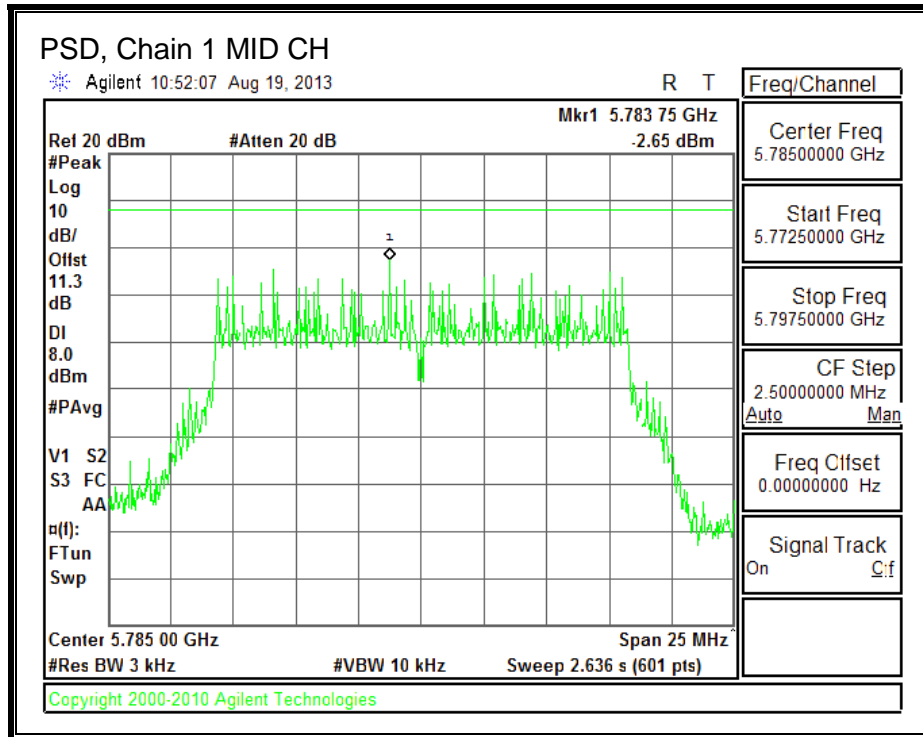
PSD, Chain 0





PSD, Chain 1





8.5.6. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

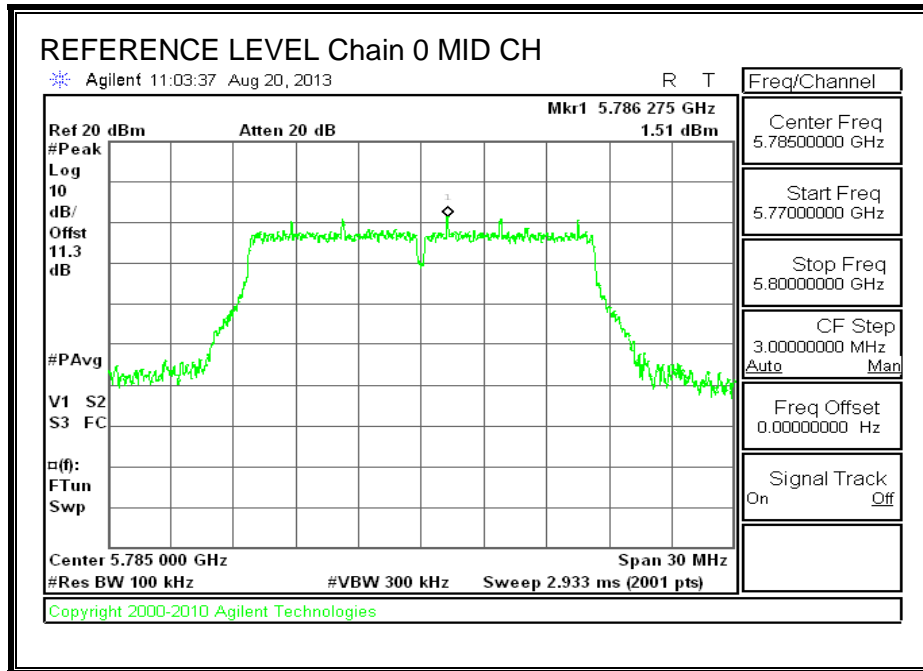
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

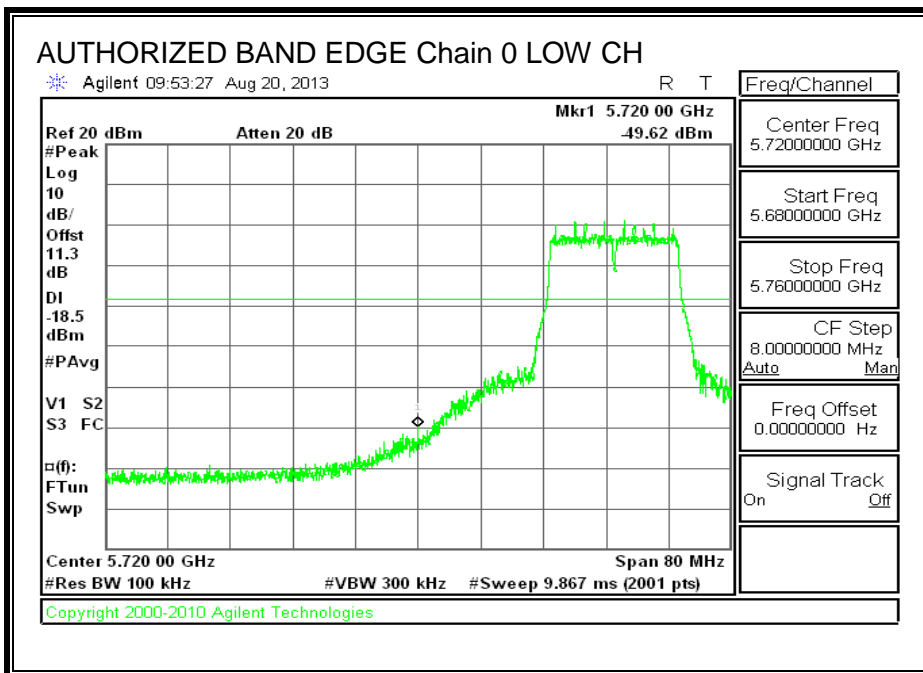
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

RESULTS

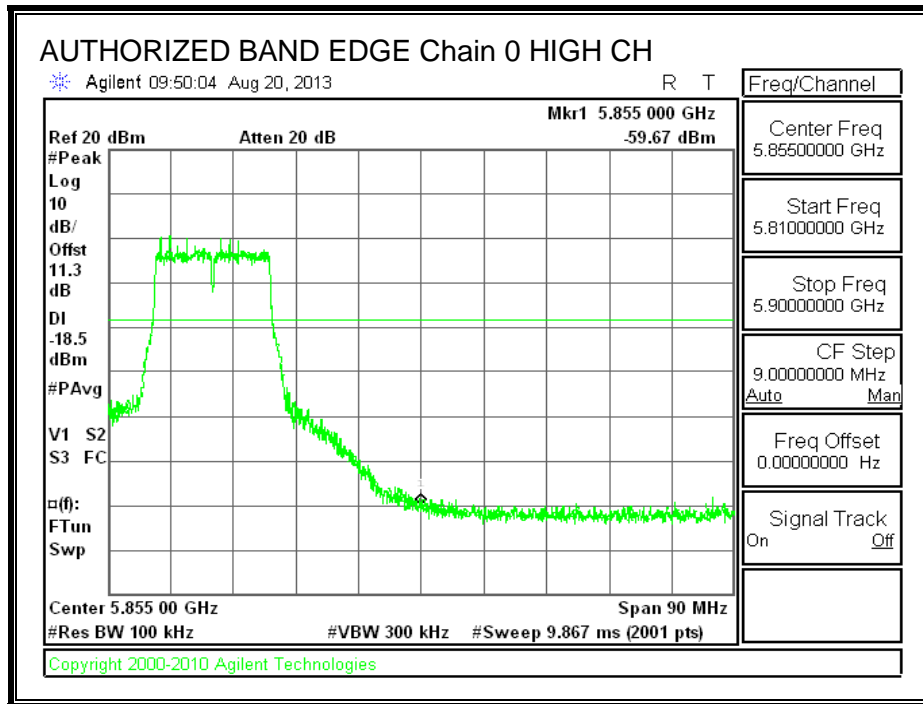
IN-BAND REFERENCE LEVEL, Chain 0



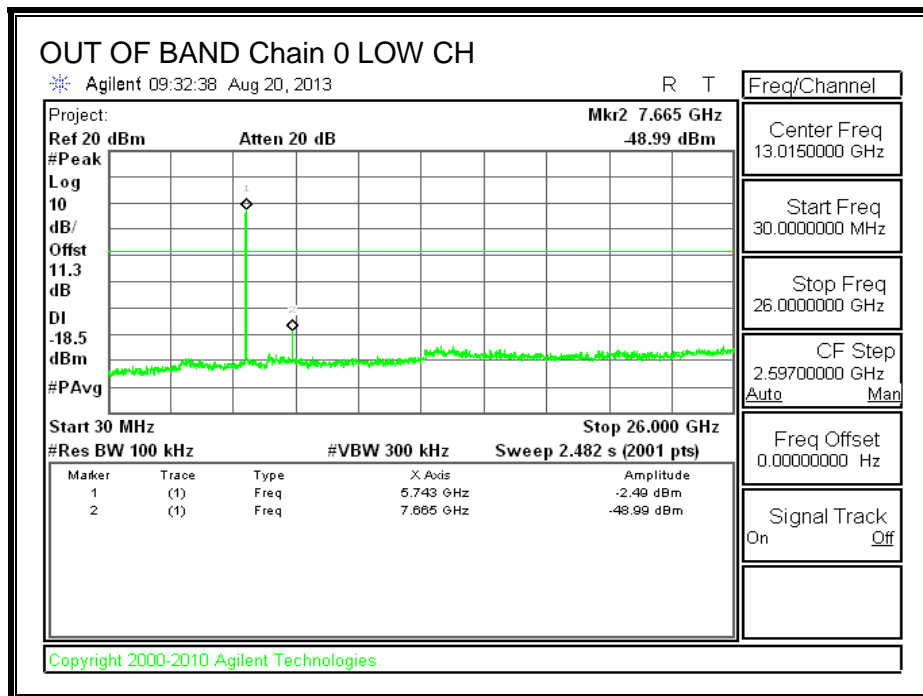
LOW CHANNEL BANDEDGE, Chain 0

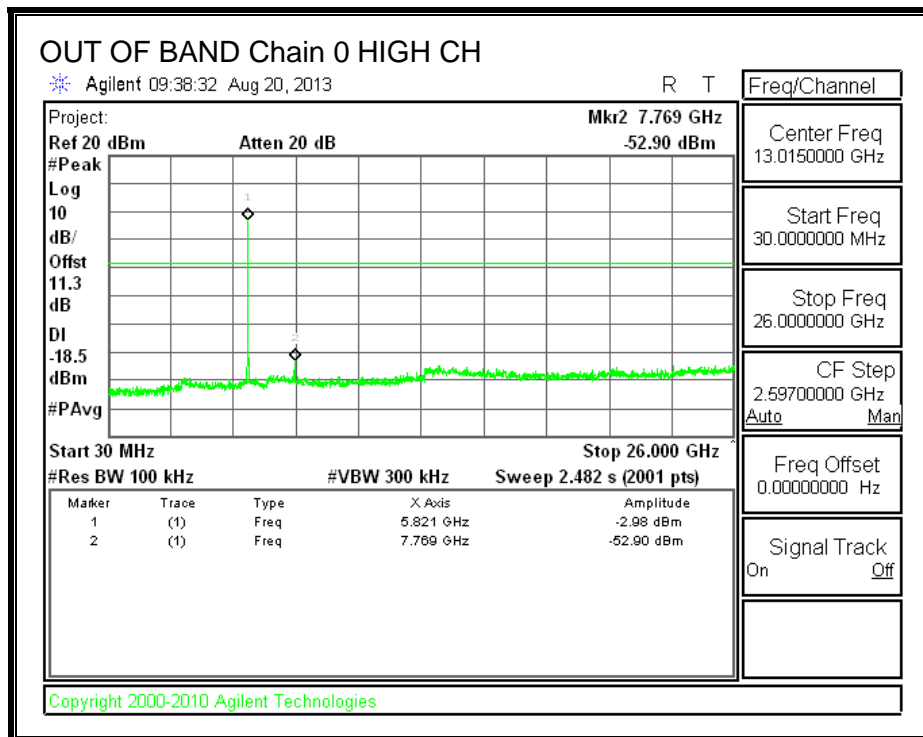
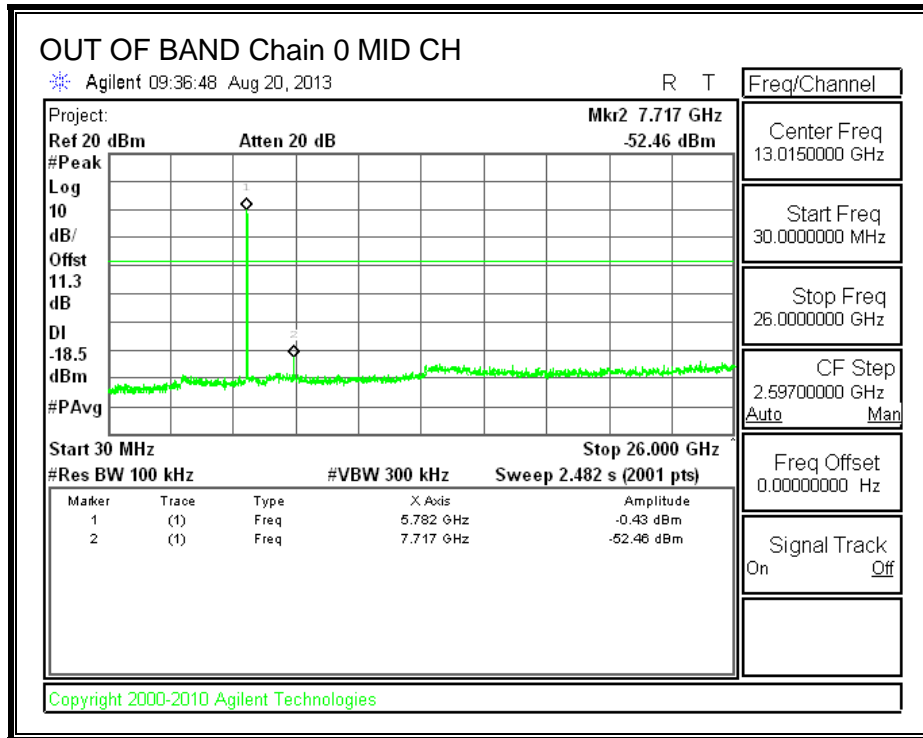


HIGH CHANNEL BANDEDGE, Chain 0

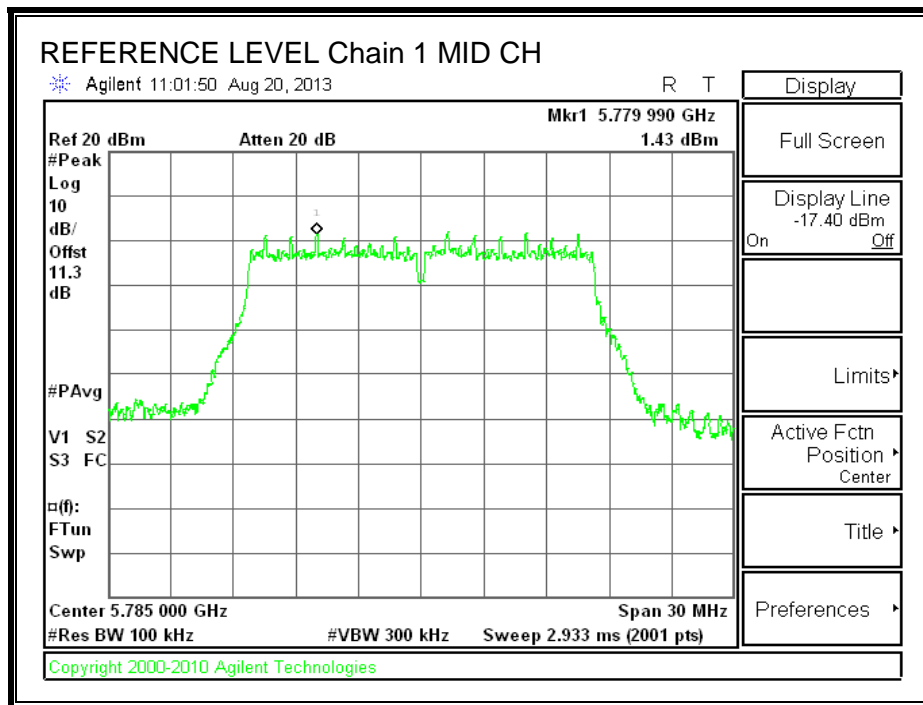


OUT-OF-BAND EMISSIONS, Chain 0

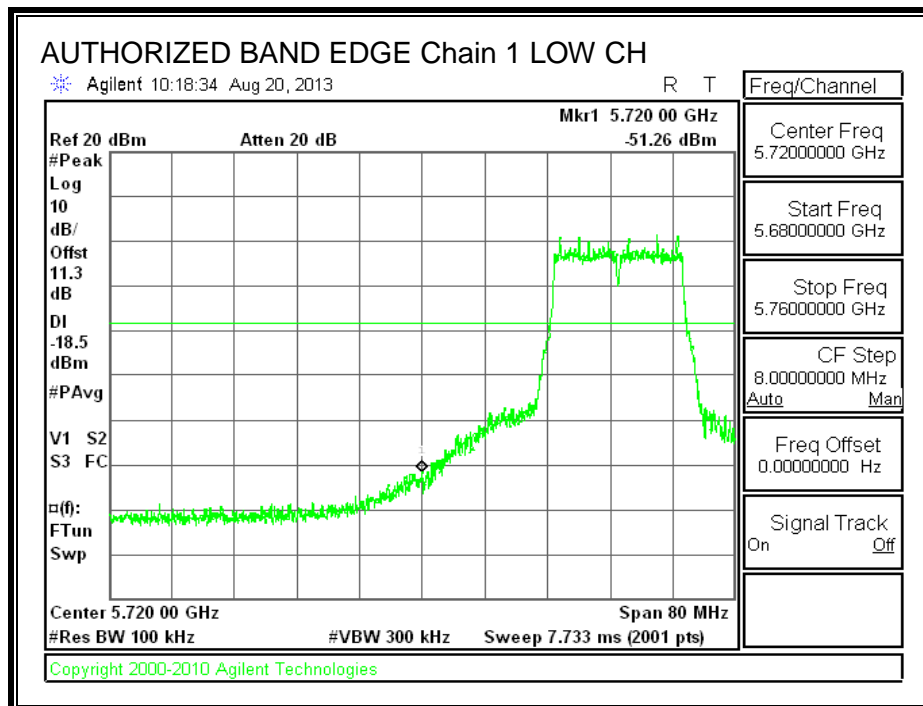




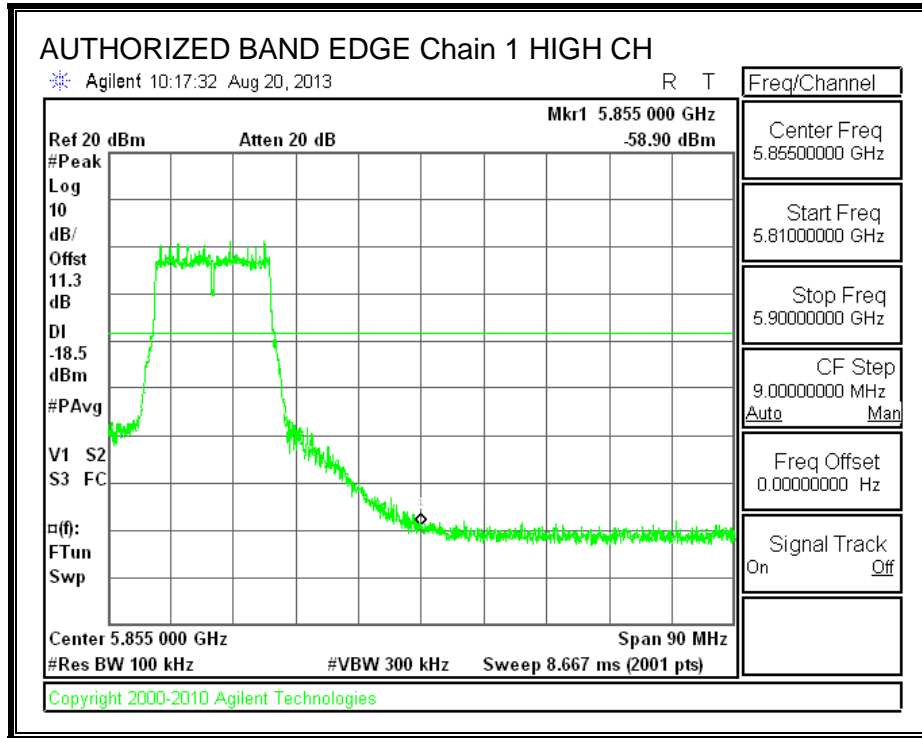
IN-BAND REFERENCE LEVEL, Chain 1



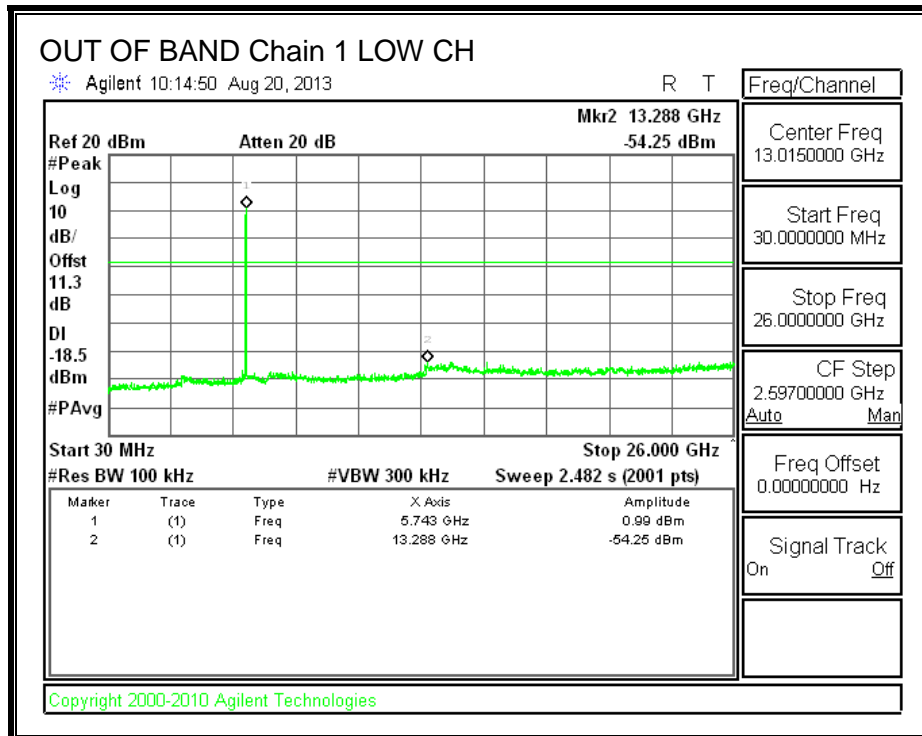
LOW CHANNEL BANDEDGE, Chain 1

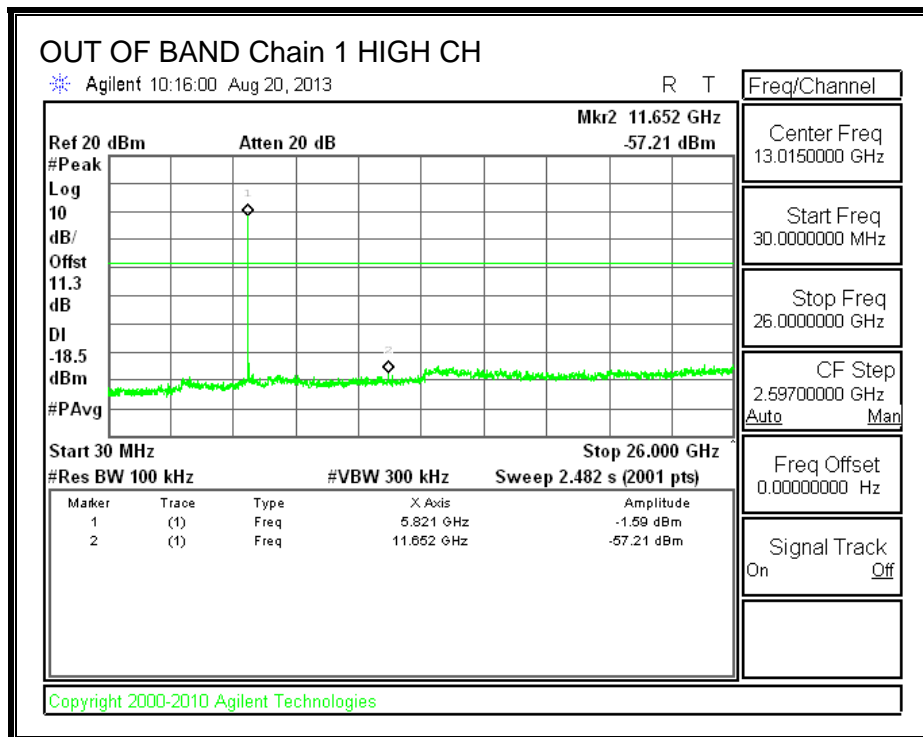
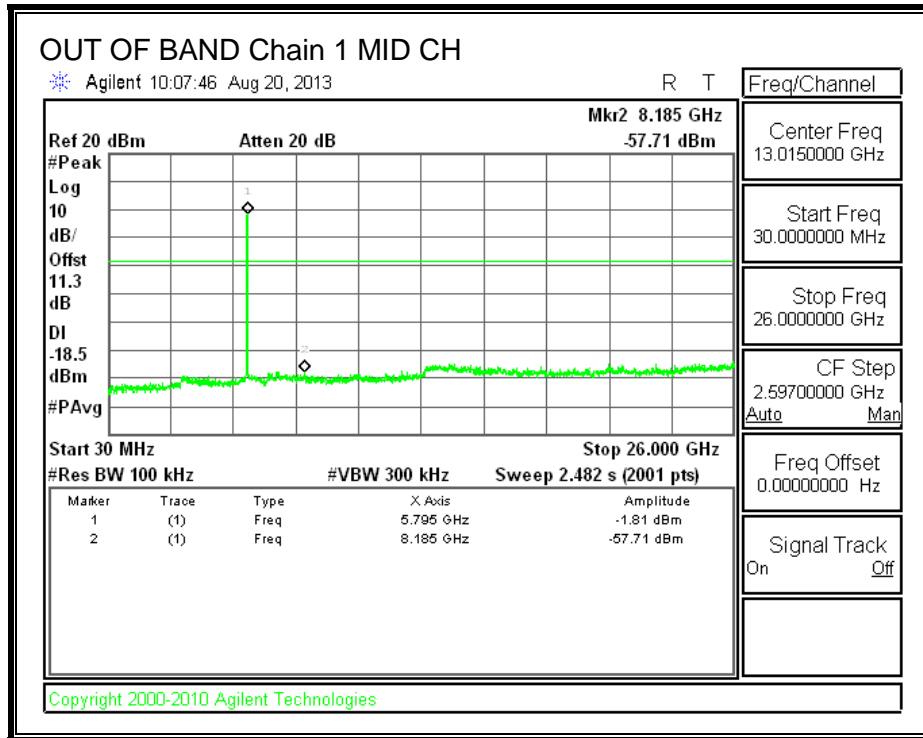


HIGH CHANNEL BANDEDGE, Chain 1



OUT-OF-BAND EMISSIONS, Chain 1





8.6. 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.

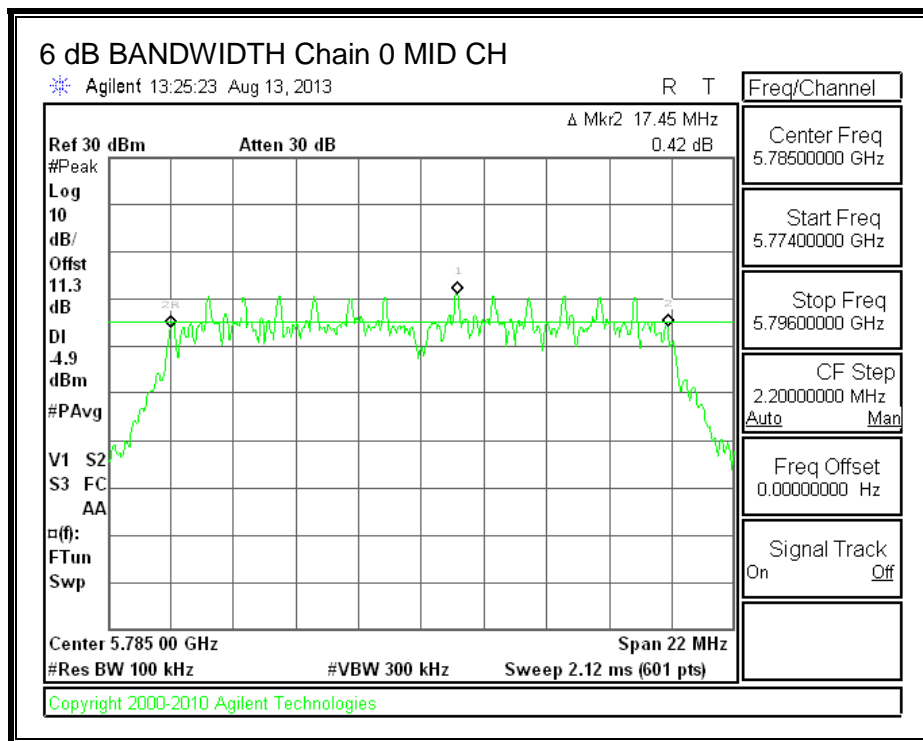
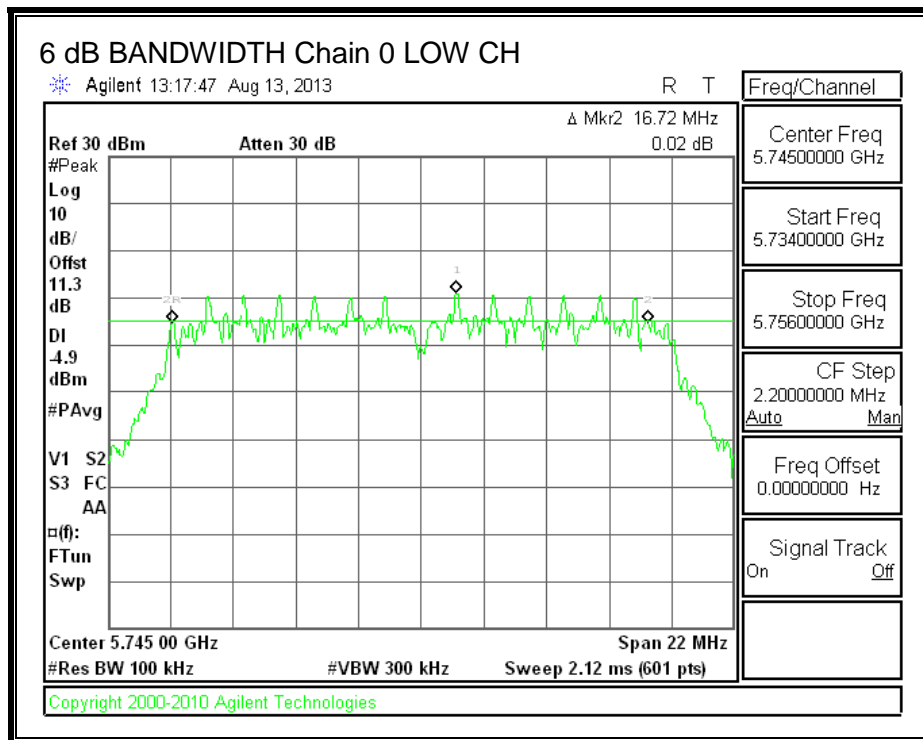
TEST PROCEDURE

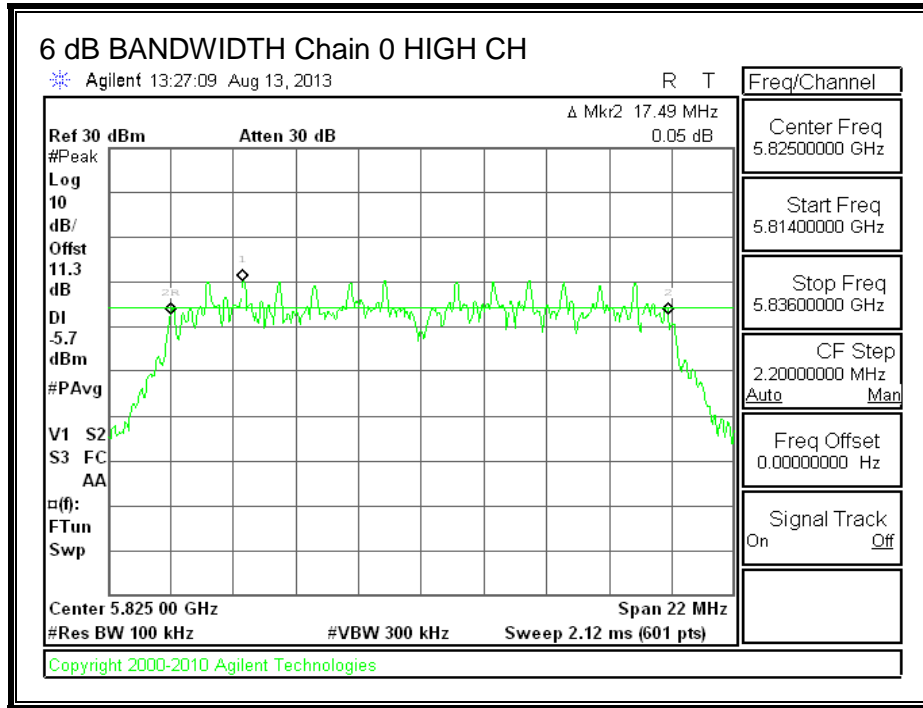
The transmitter output is connected to a spectrum analyzer with the RBW set between 1% and 5% of the EBW, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

RESULTS

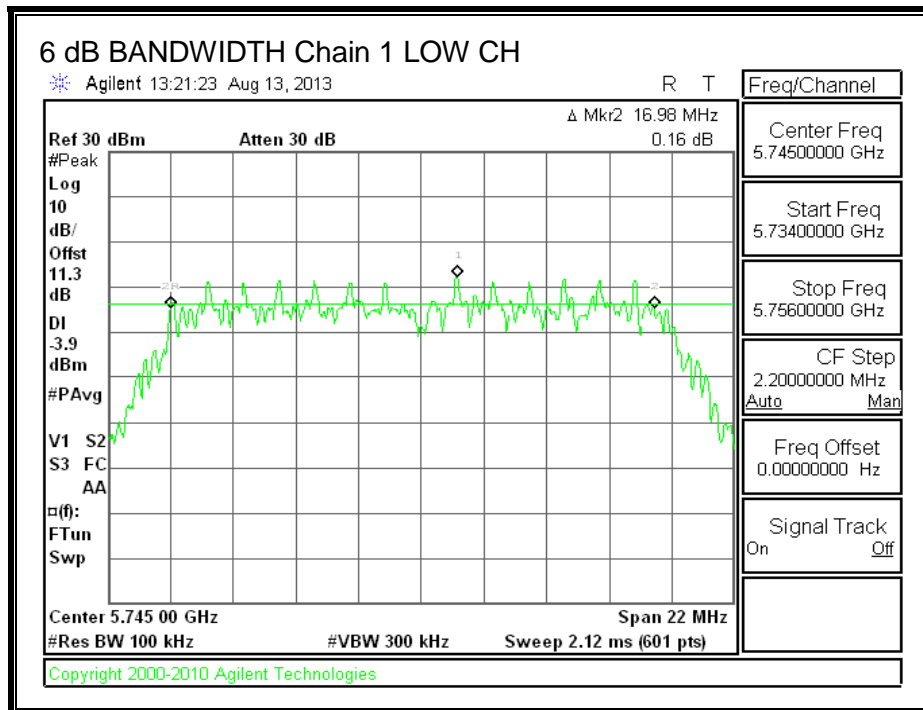
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	16.72	16.98	0.5
Mid	5785	17.45	16.83	0.5
High	5825	17.49	17.49	0.5

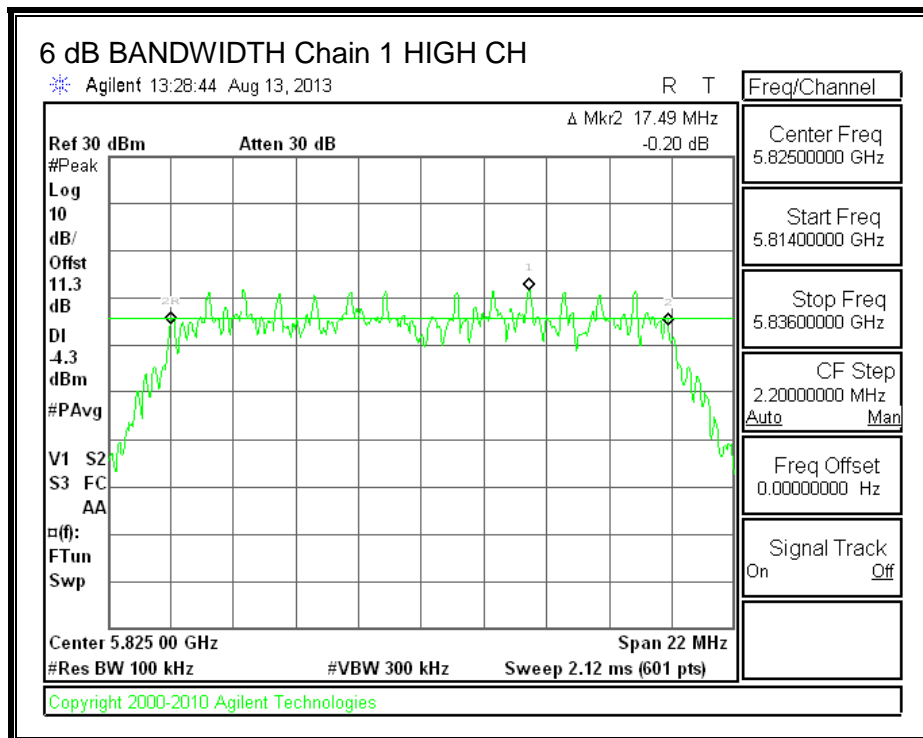
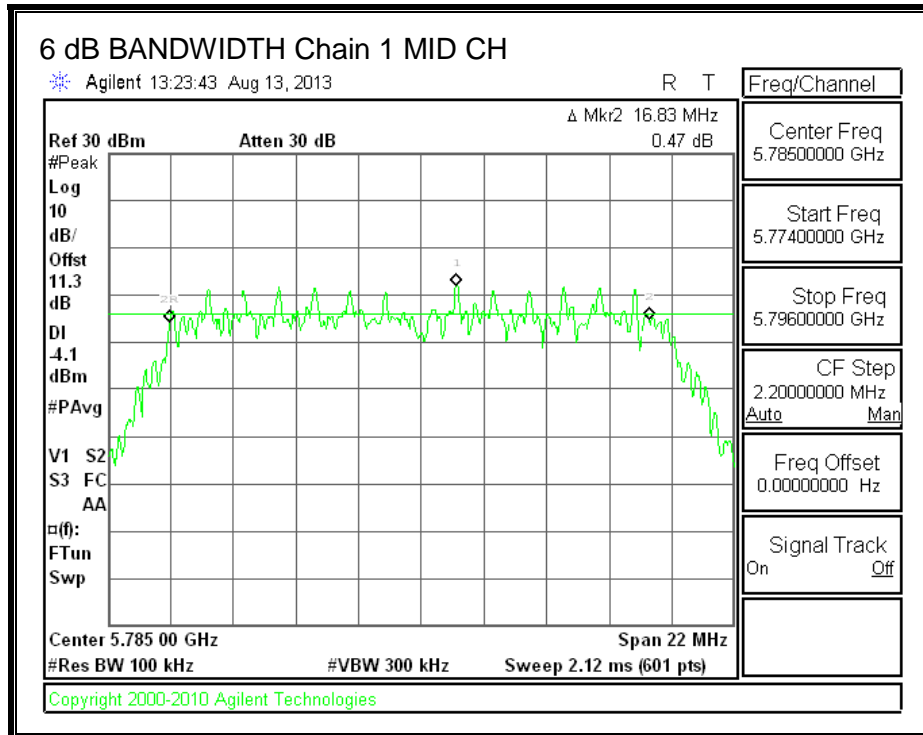
6 dB BANDWIDTH, Chain 0





6 dB BANDWIDTH, Chain 1





8.6.2. 99% BANDWIDTH

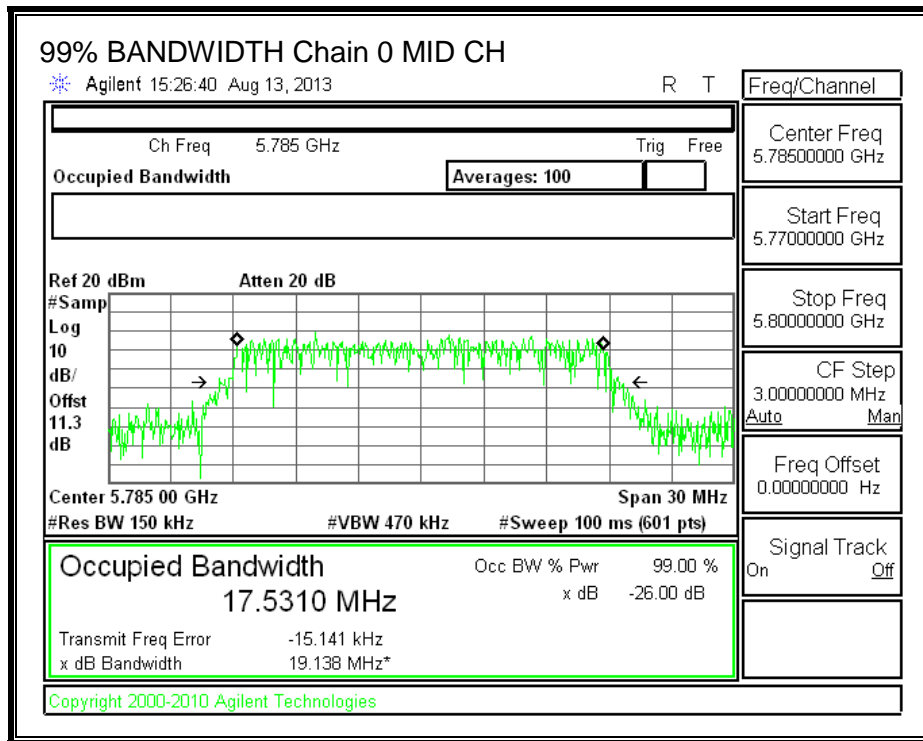
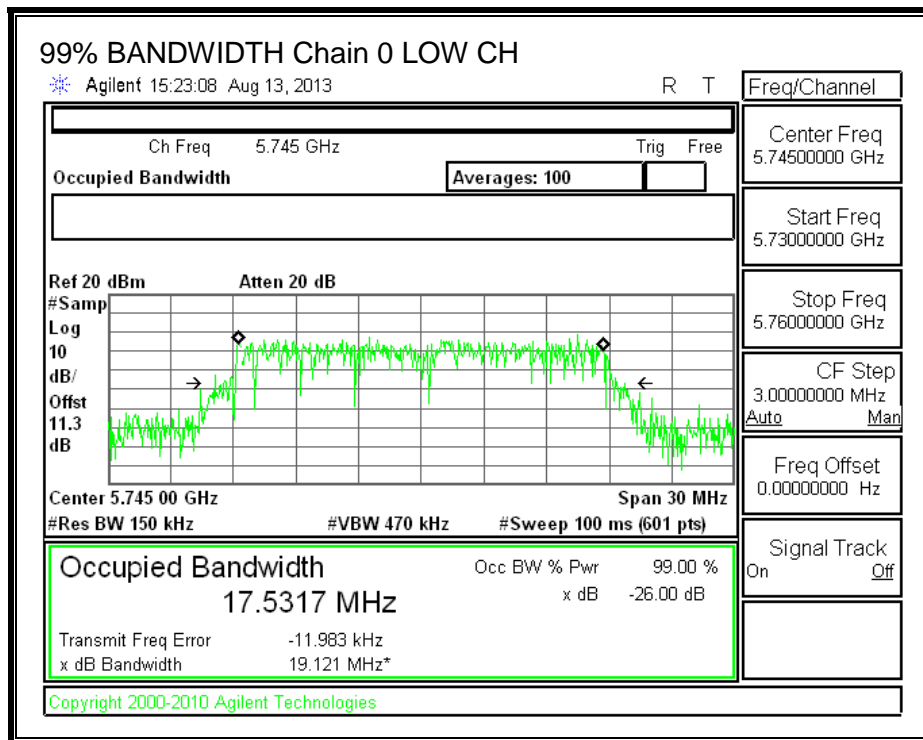
LIMITS

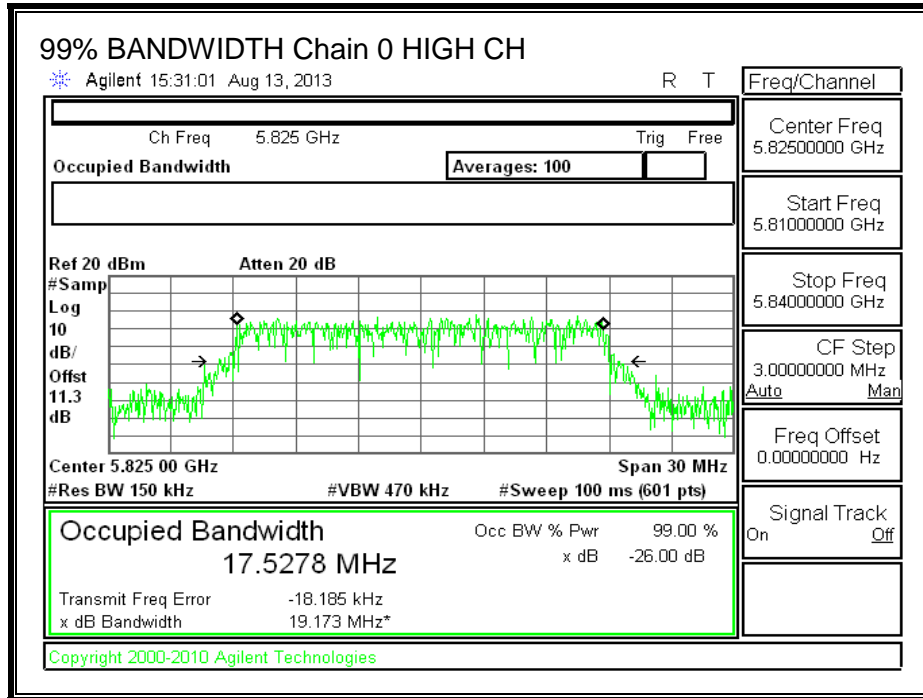
None; for reporting purposes only.

RESULTS

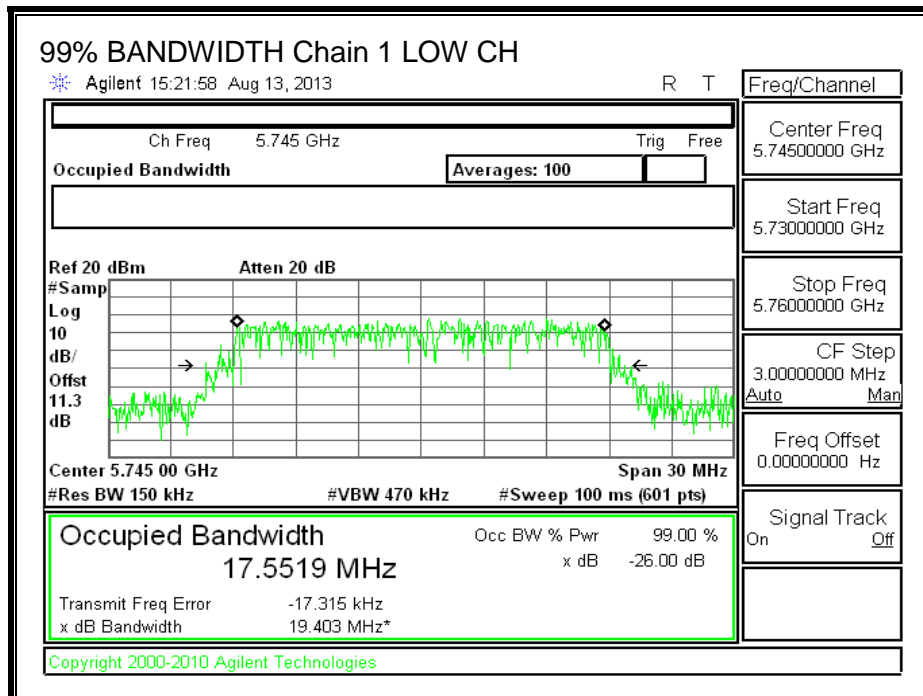
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5745	17.5317	17.5519
Mid	5785	17.5310	17.5521
High	5825	17.5278	17.5537

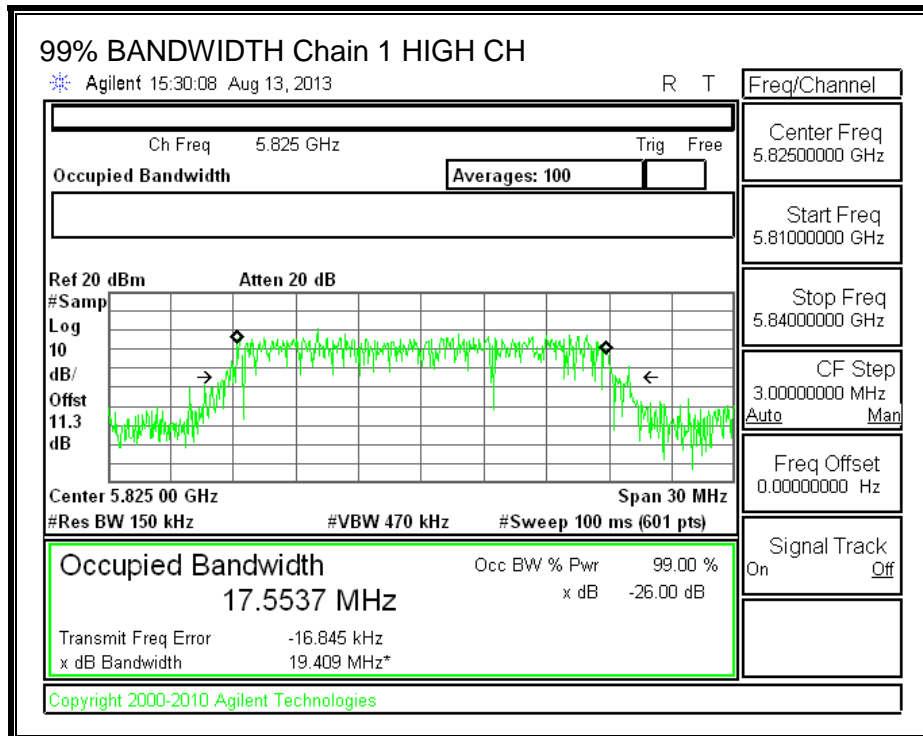
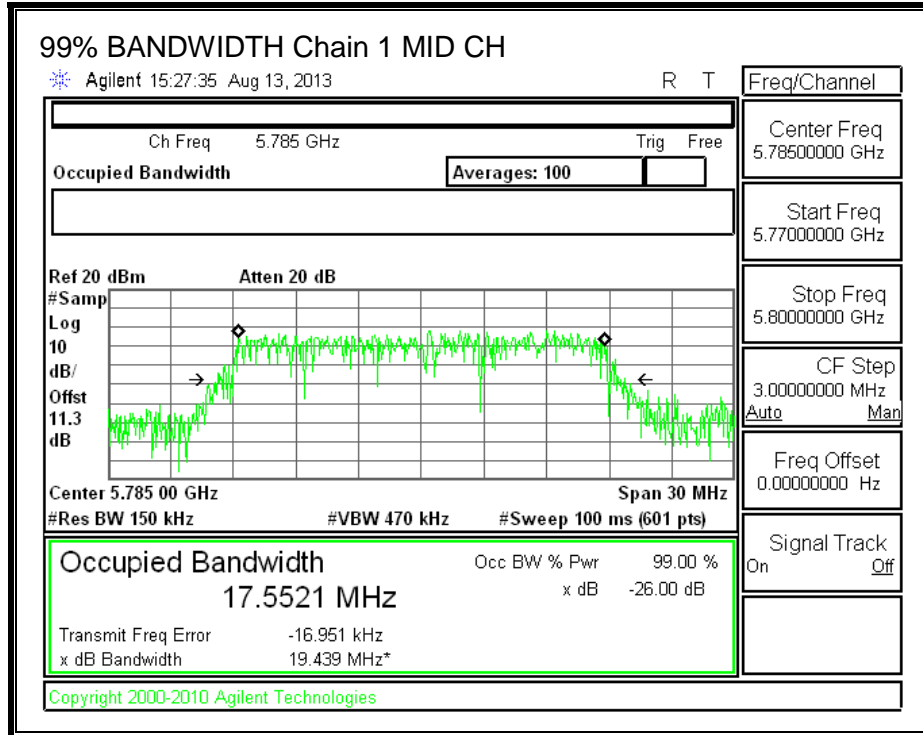
99% BANDWIDTH, Chain 0





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

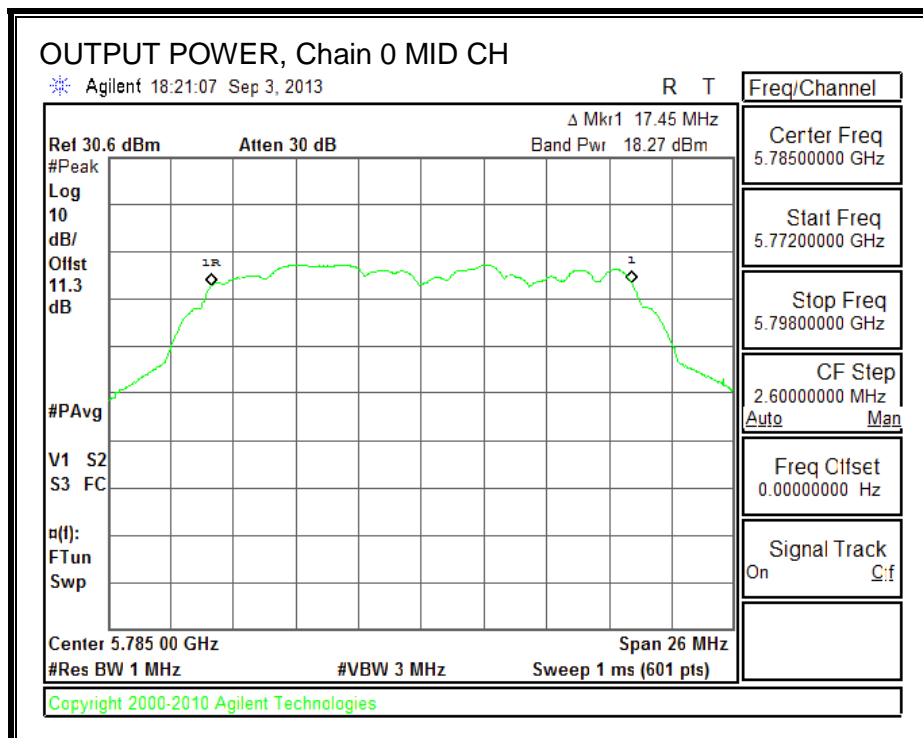
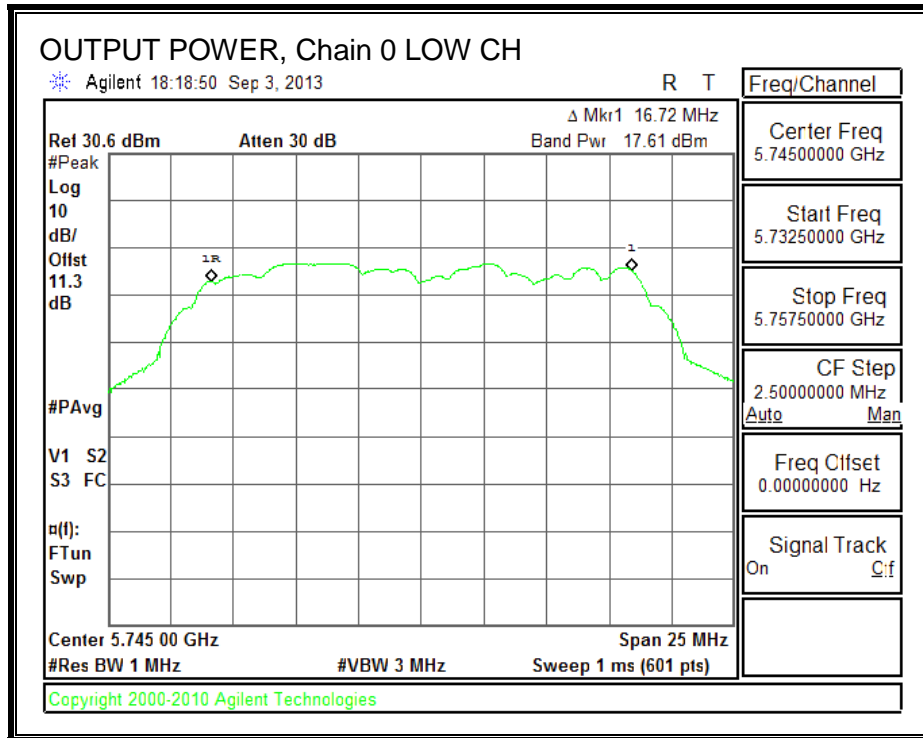
Limits

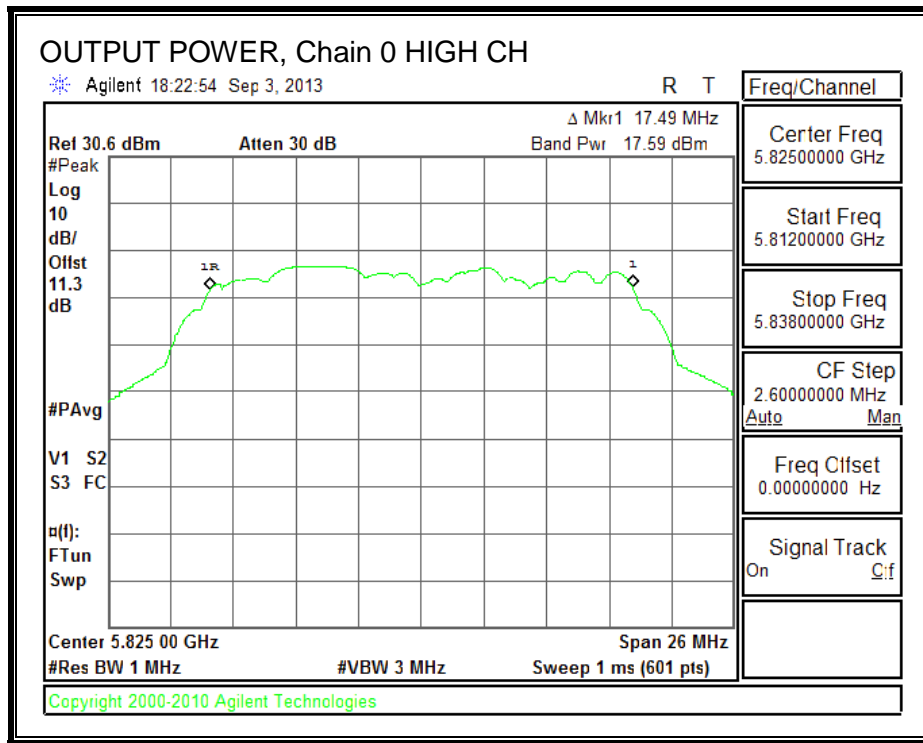
Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5745	3.56	30.00	30	36	30.00
Mid	5785	3.56	30.00	30	36	30.00
High	5825	3.56	30.00	30	36	30.00

Results

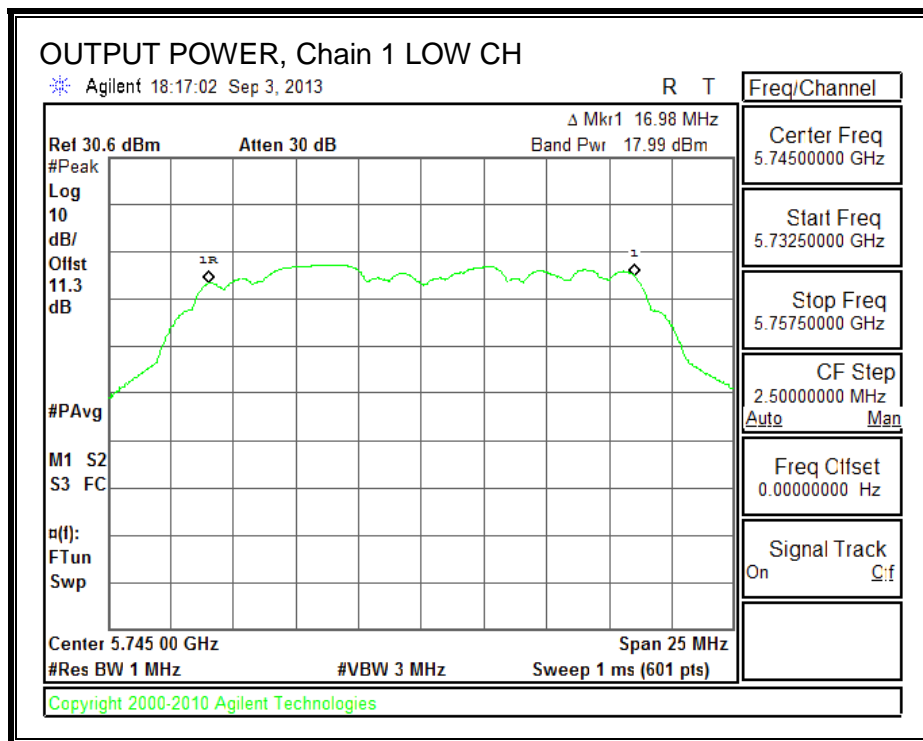
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low	5745	17.61	17.99	20.81	30.00	-9.19
Mid	5785	18.27	18.46	21.38	30.00	-8.62
High	5825	17.59	18.22	20.93	30.00	-9.07

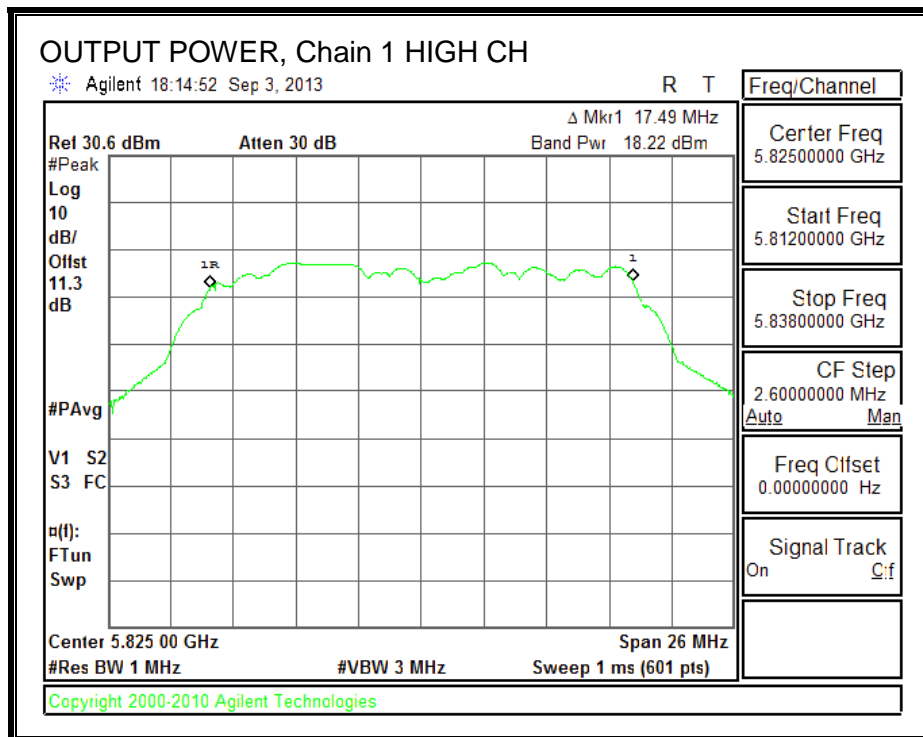
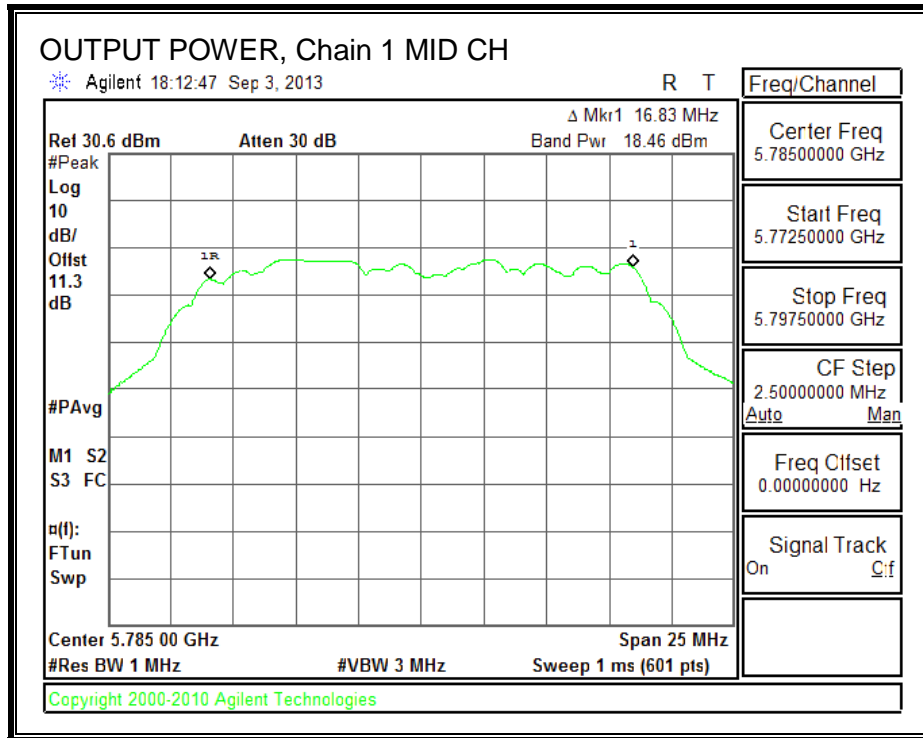
OUTPUT POWER, Chain 0





OUTPUT POWER, Chain 1





8.6.5. PSD

LIMITS

FCC §15.247

IC RSS-210 A8.2

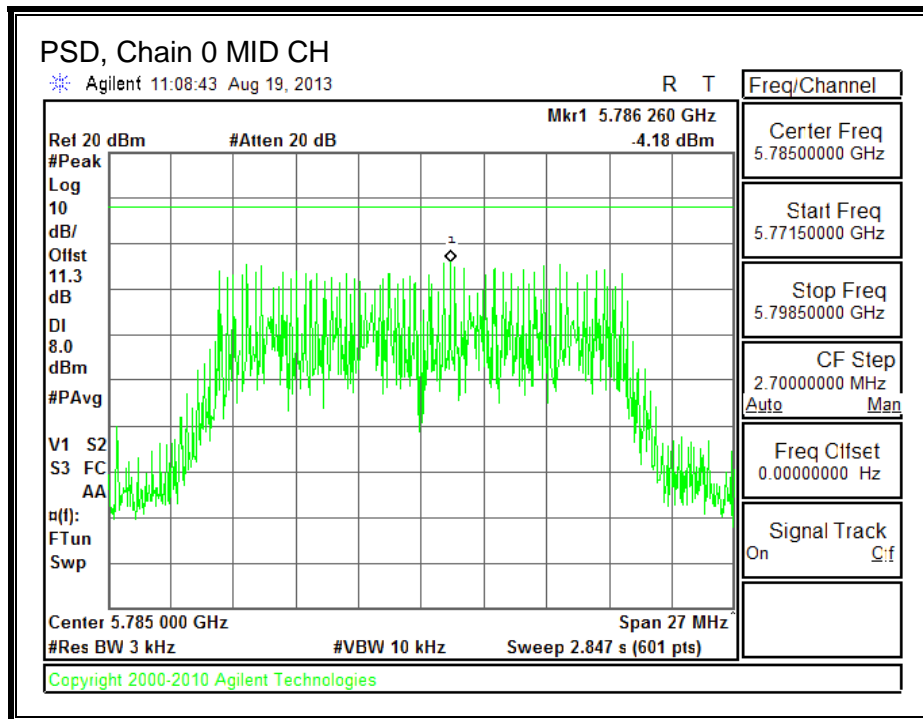
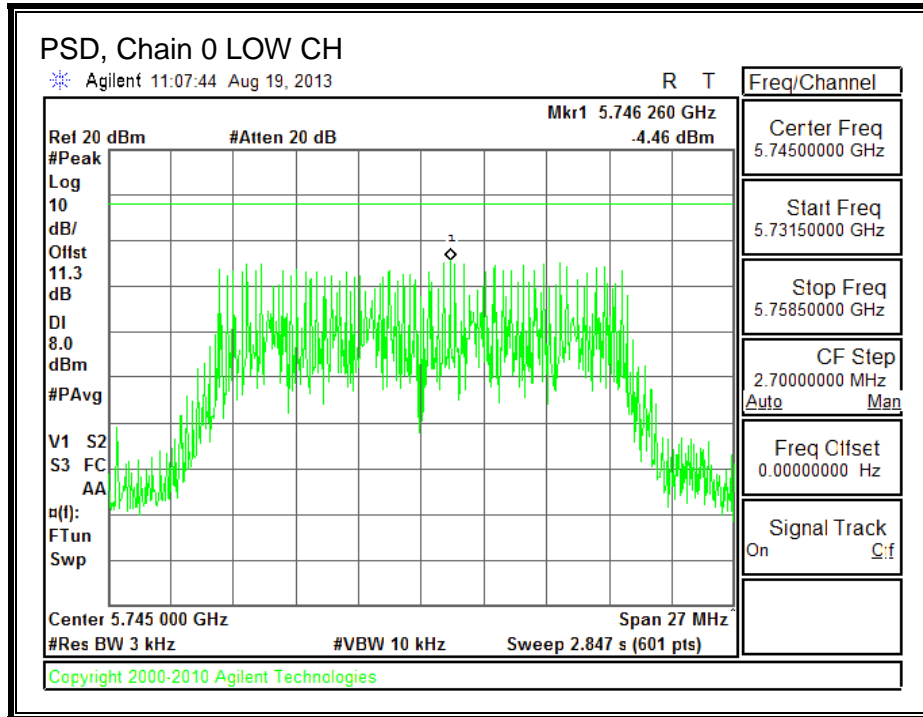
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

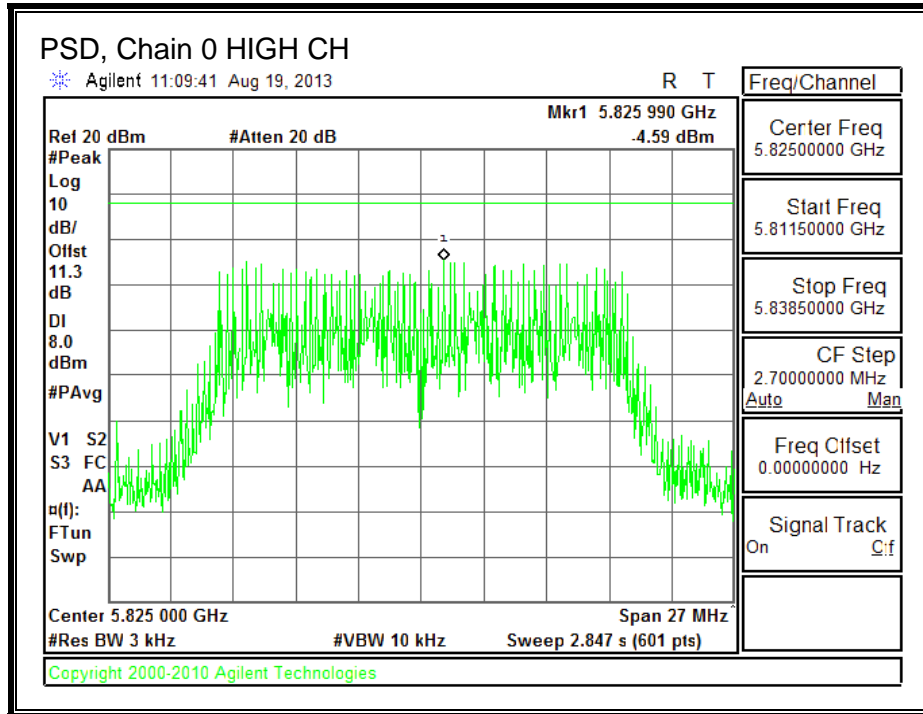
RESULTS

PSD Results

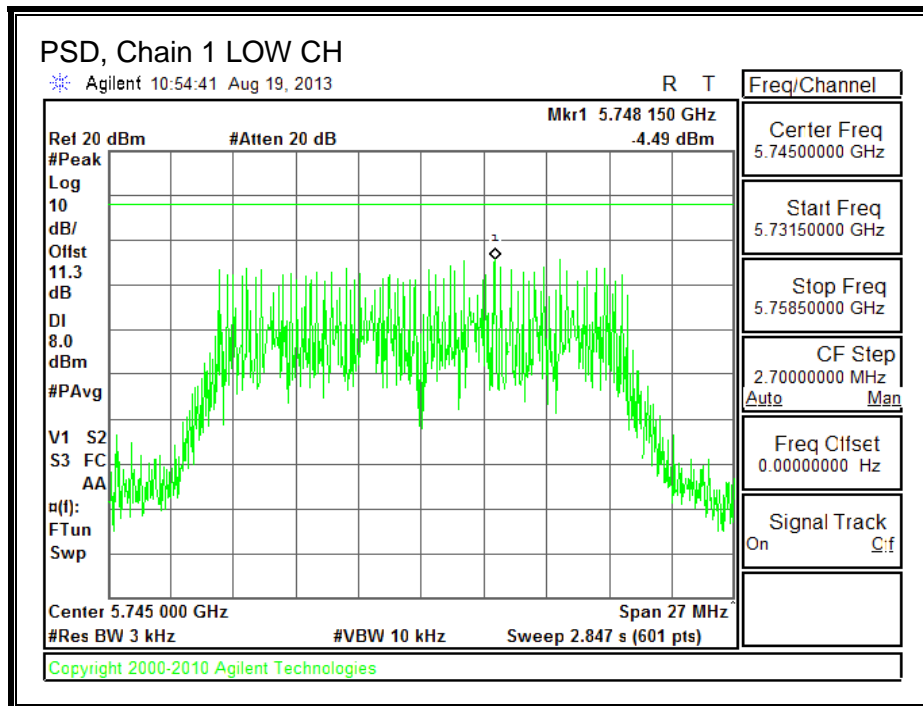
Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Chain 1 Meas (dBm)	Total PSD (dBm)	Limit (dBm)	Margin (dB)
Low	5745	-4.46	-4.49	-1.46	8.0	-9.5
Mid	5785	-4.18	-3.37	-0.75	8.0	-8.7
High	5825	-4.59	-3.75	-1.14	8.0	-9.1

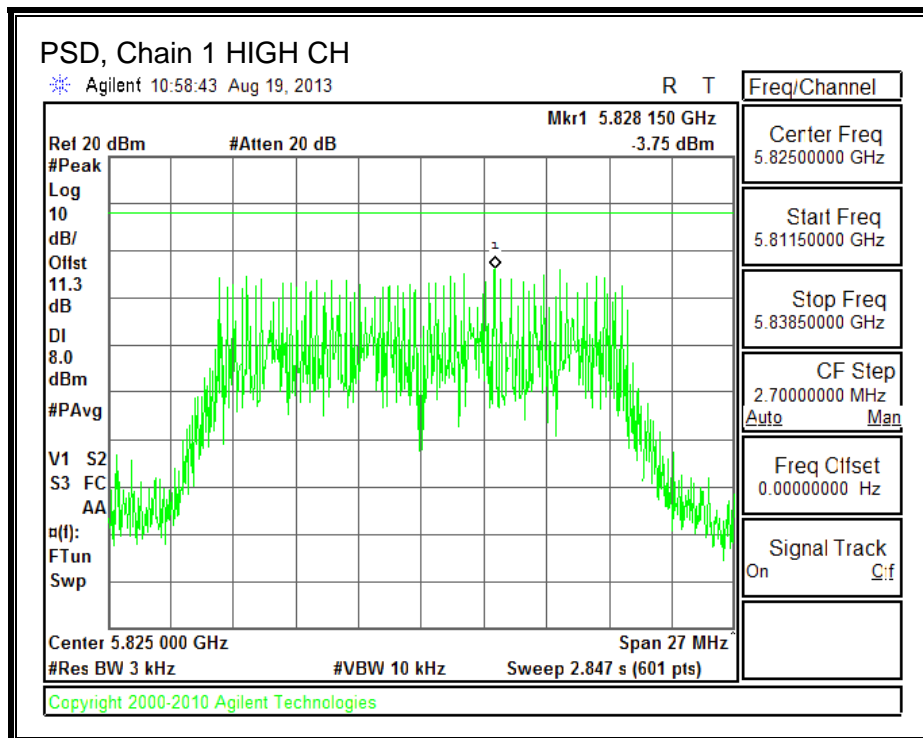
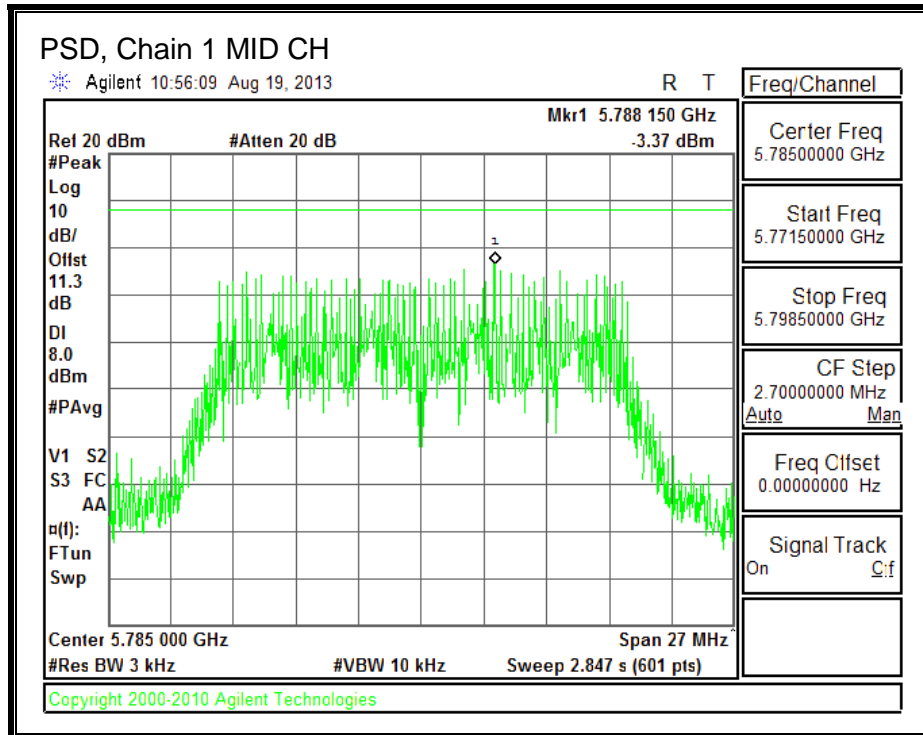
PSD, Chain 0





PSD, Chain 1





8.6.6. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

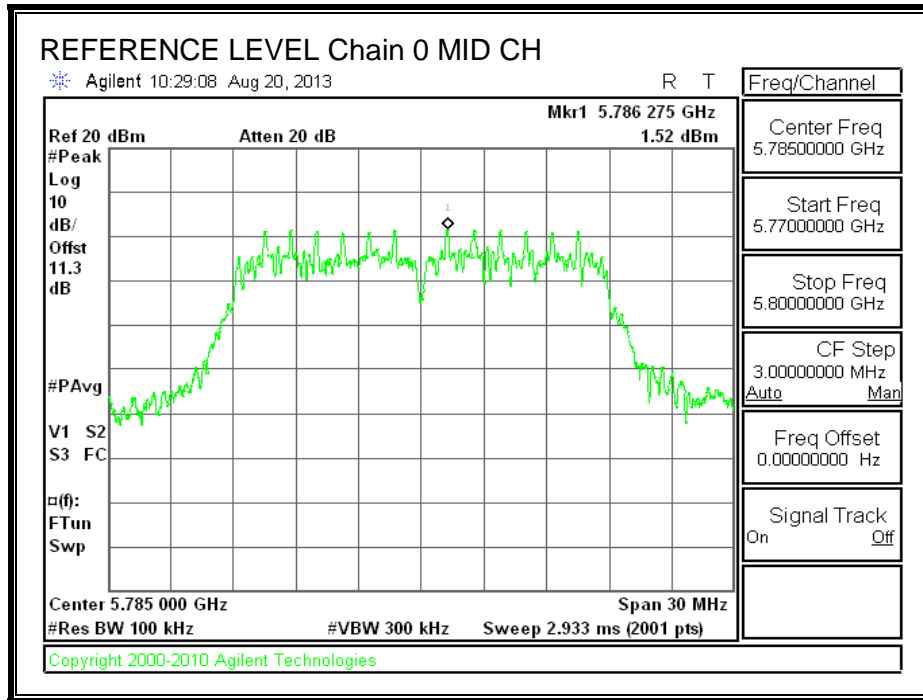
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

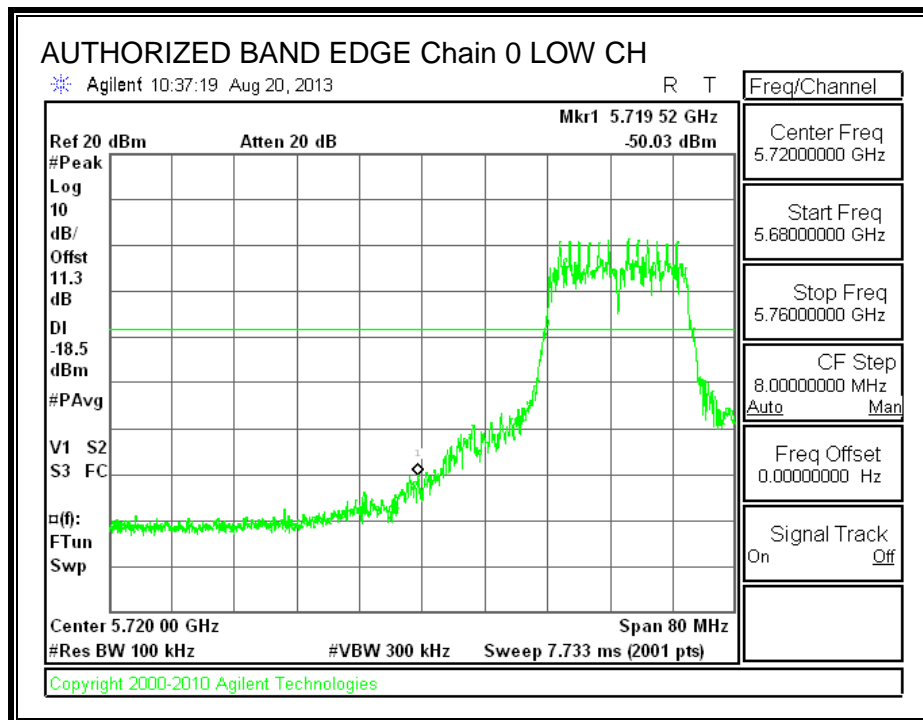
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

RESULTS

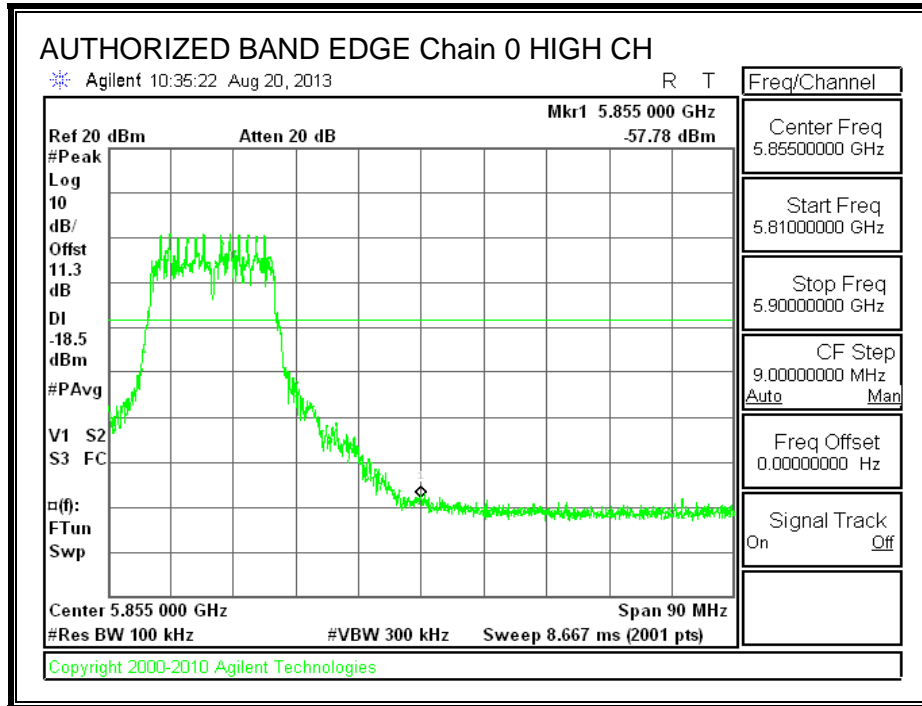
IN-BAND REFERENCE LEVEL, Chain 0



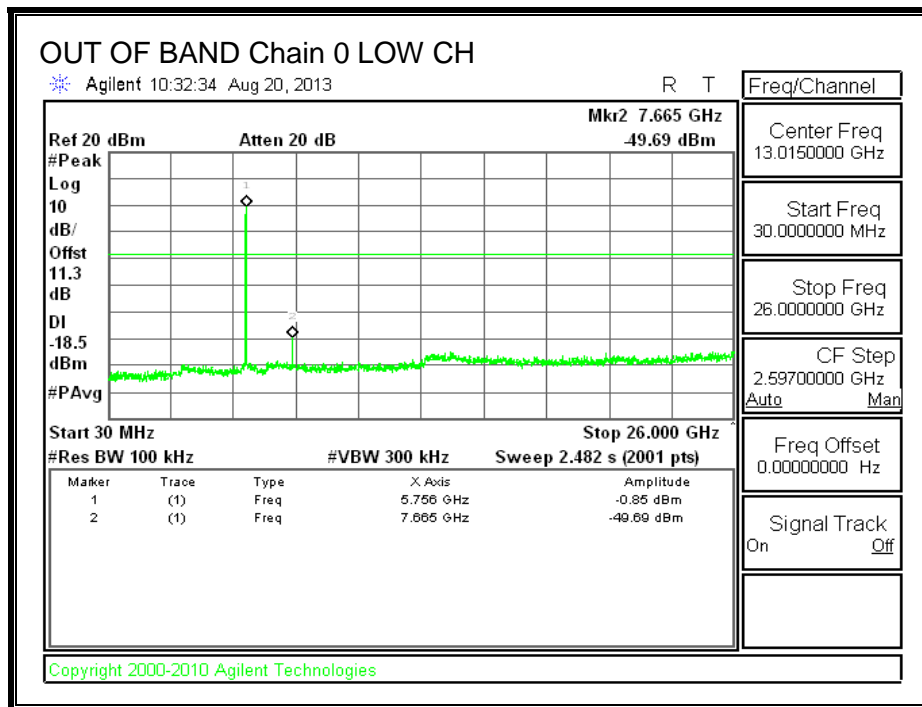
LOW CHANNEL BANDEDGE, Chain 0

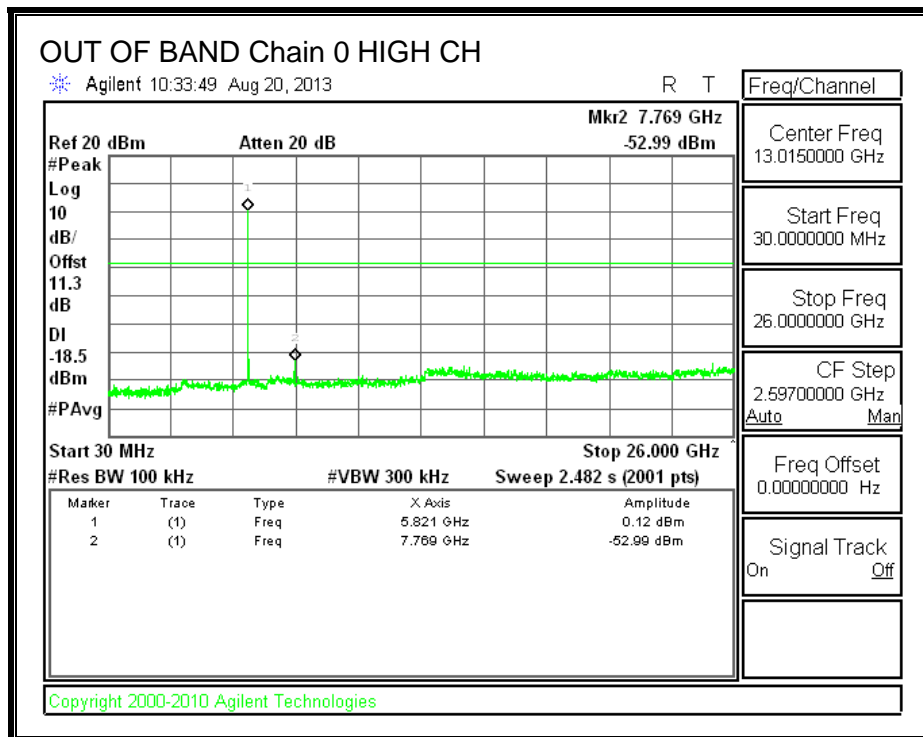
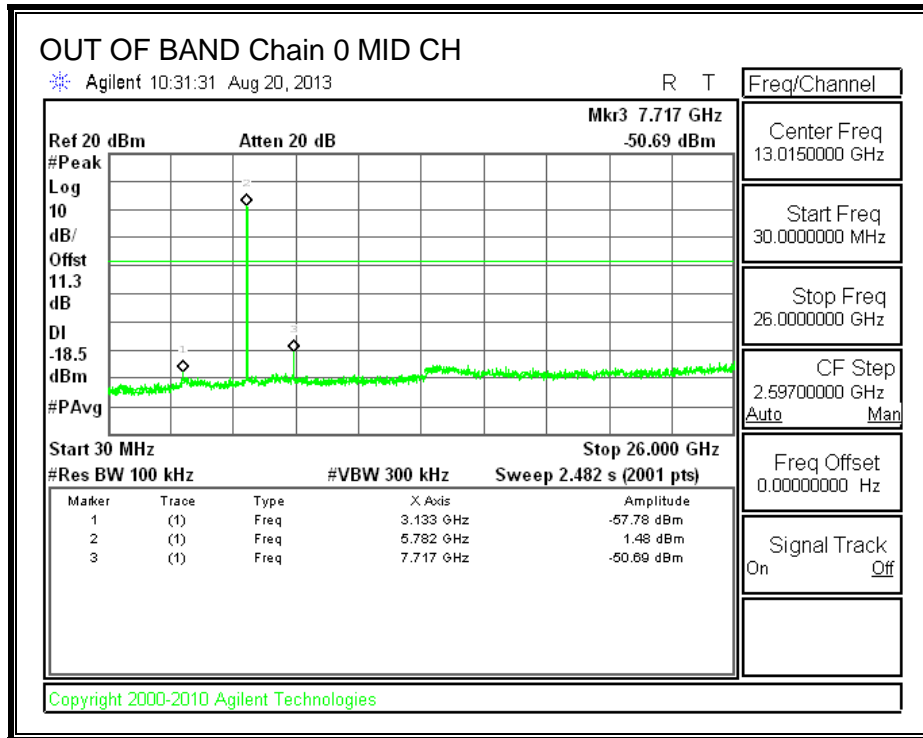


HIGH CHANNEL BANDEDGE, Chain 0

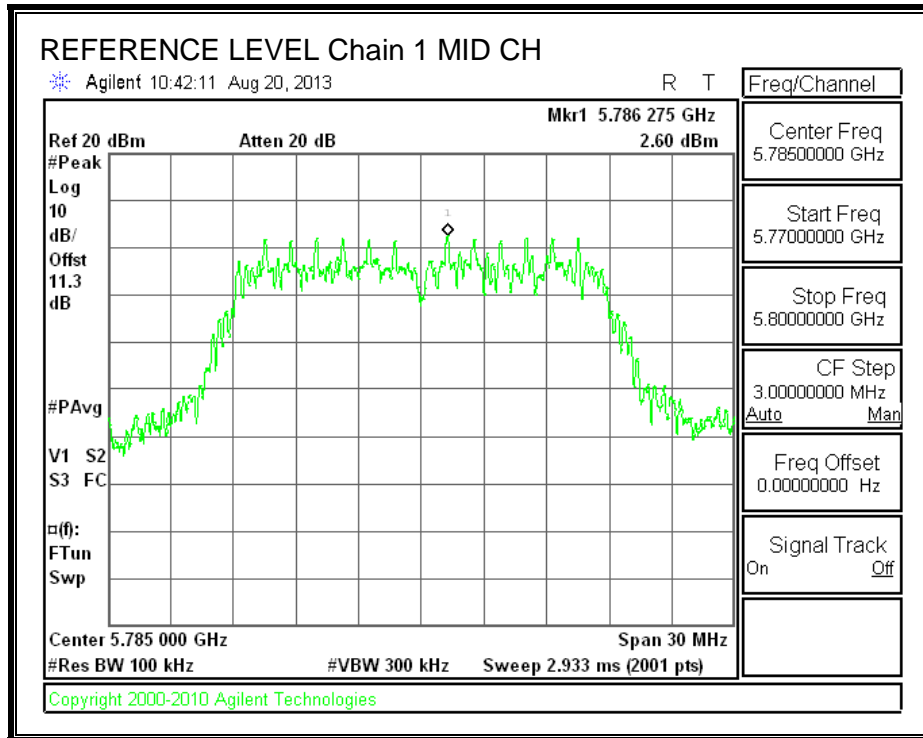


OUT-OF-BAND EMISSIONS, Chain 0

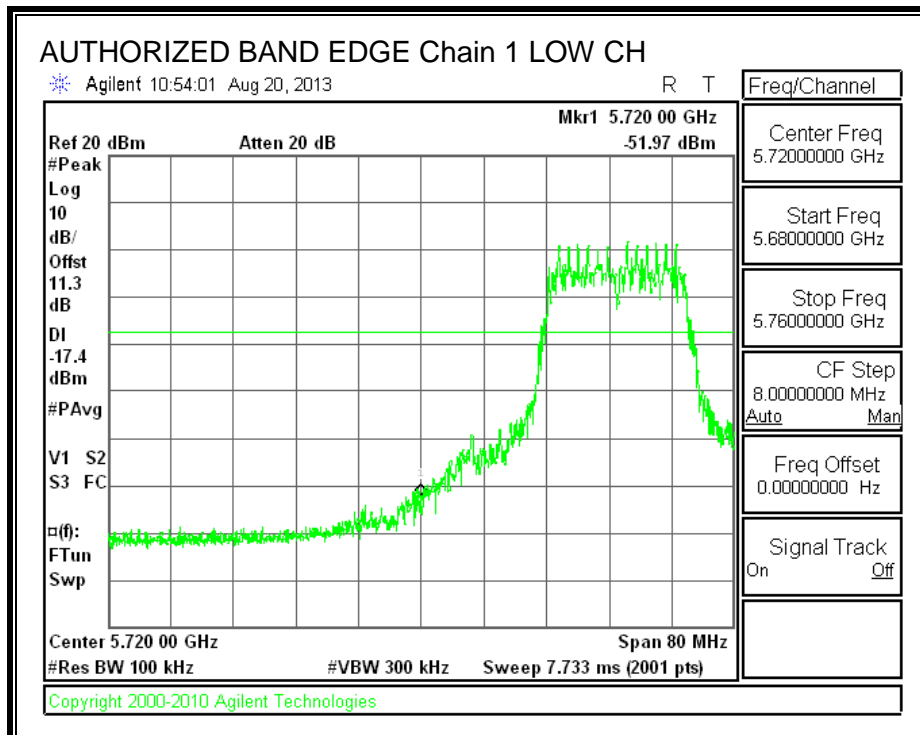




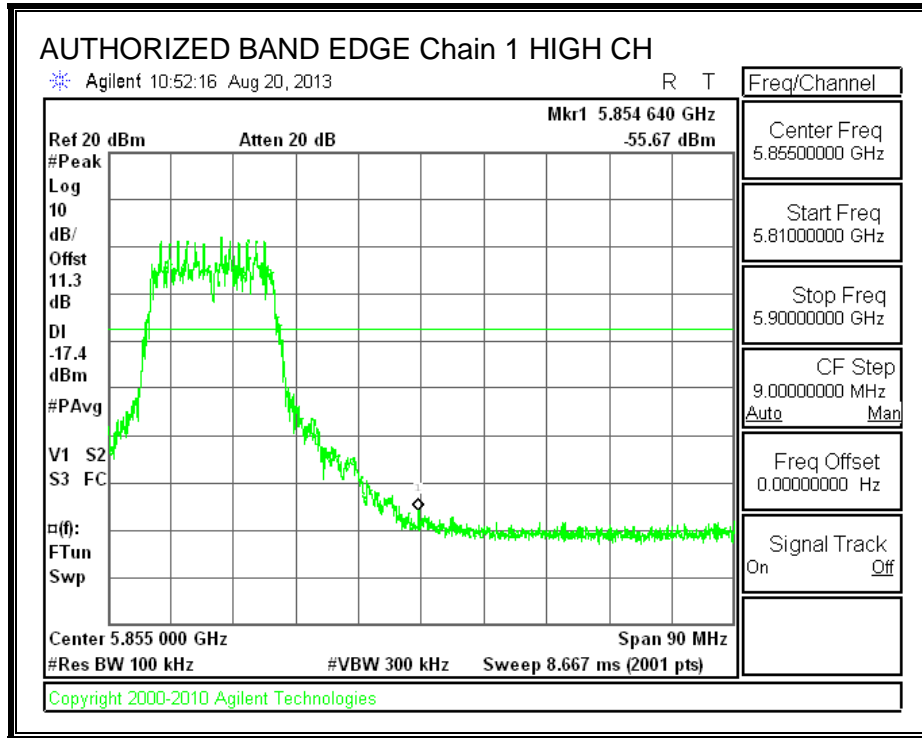
IN-BAND REFERENCE LEVEL, Chain 1



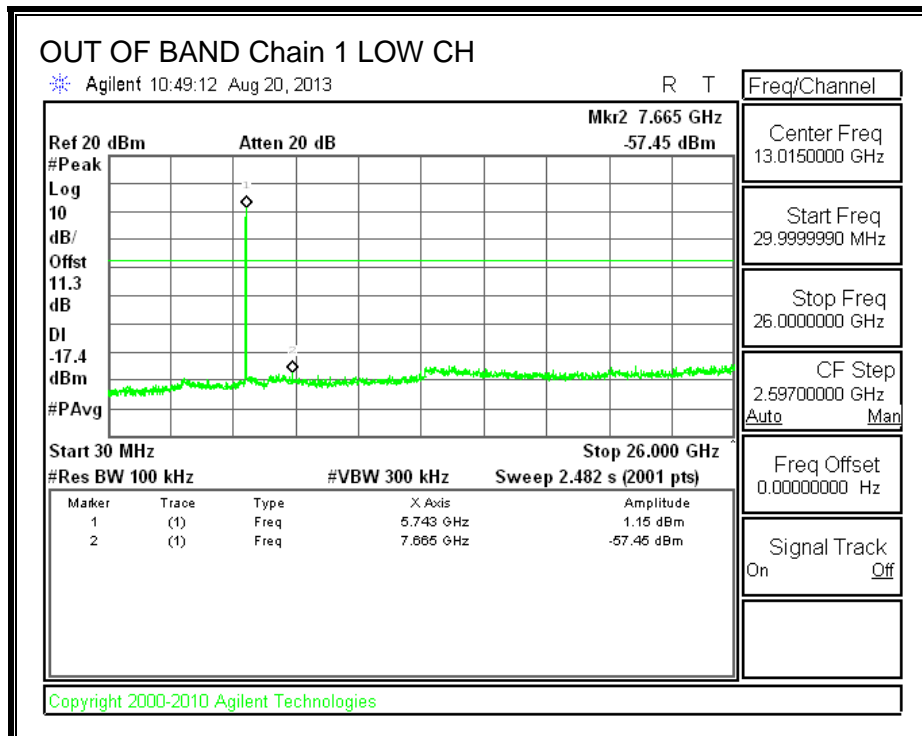
LOW CHANNEL BANDEDGE, Chain 1

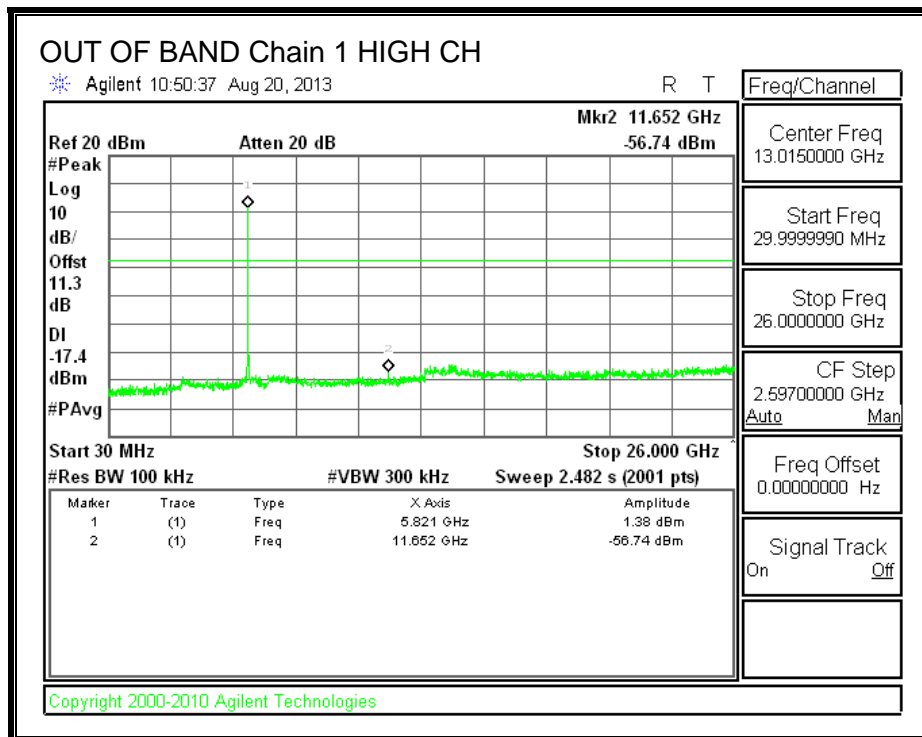
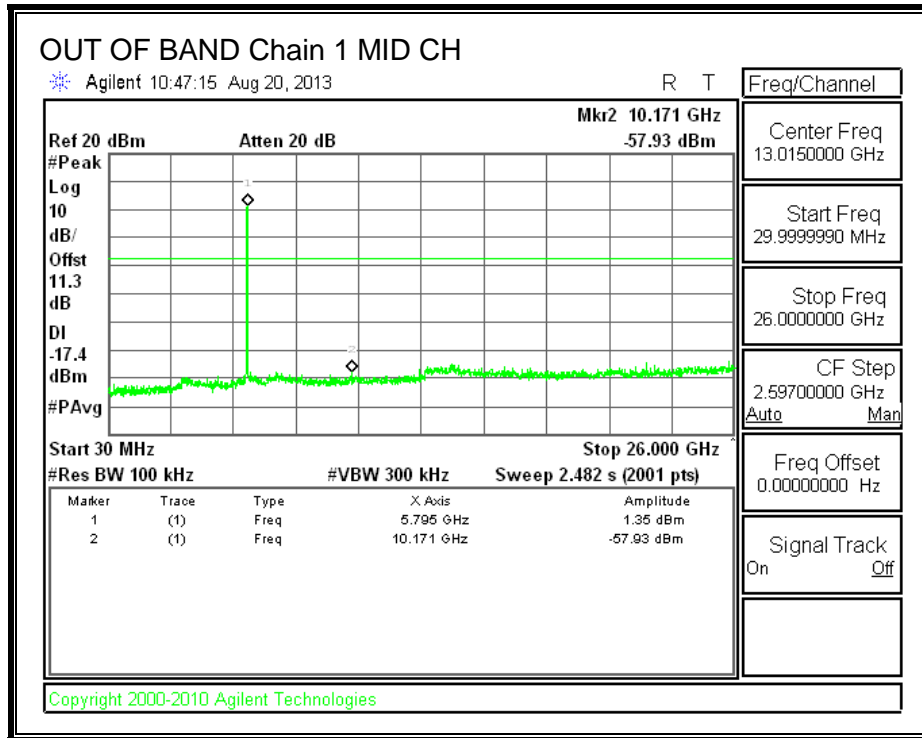


HIGH CHANNEL BANDEDGE, Chain 1



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.

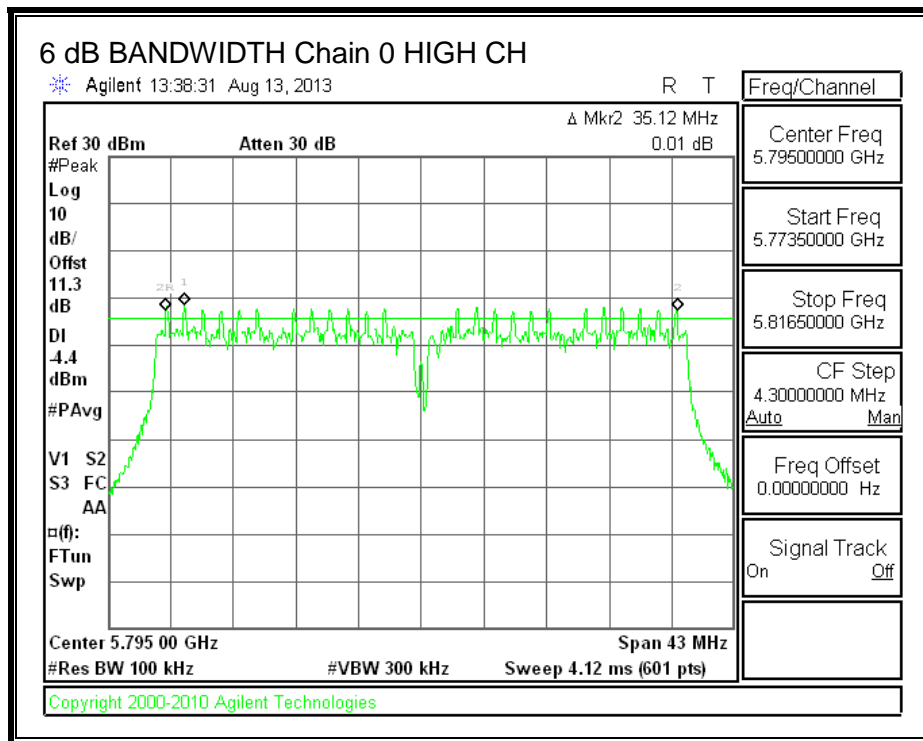
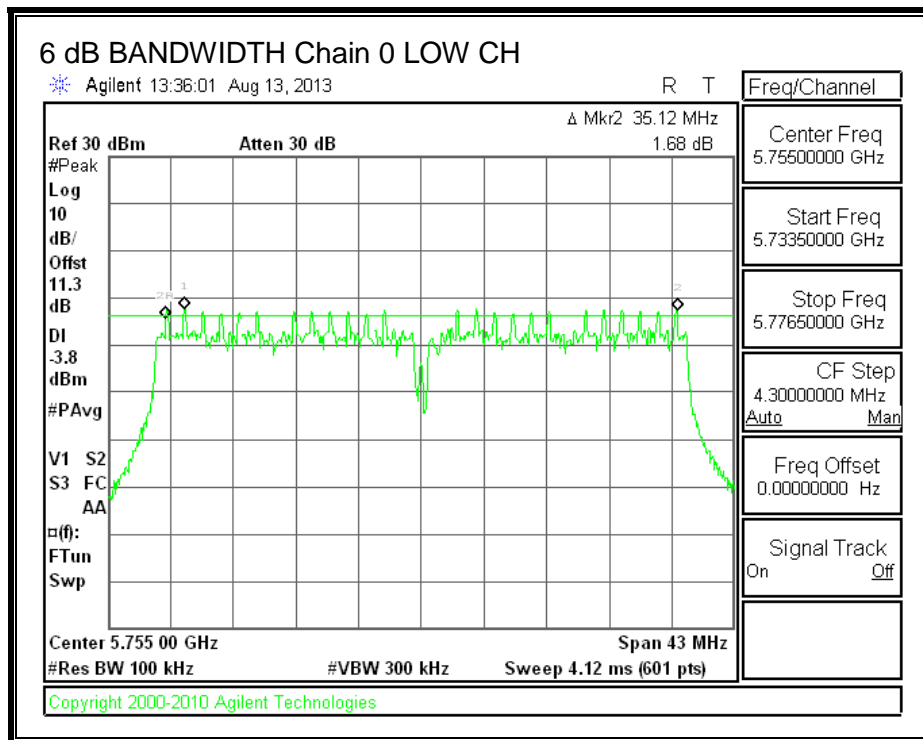
TEST PROCEDURE

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.

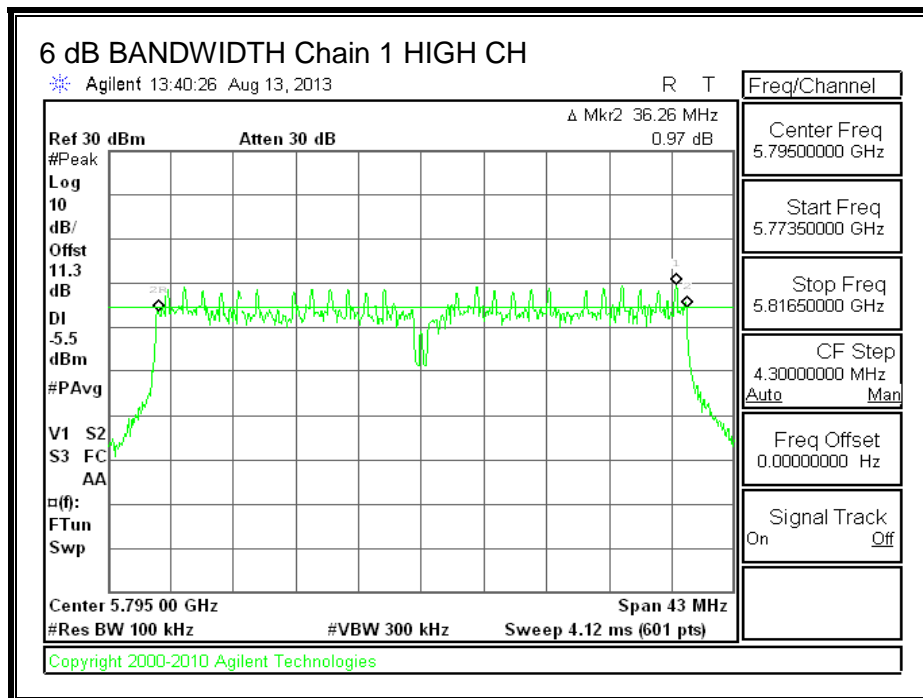
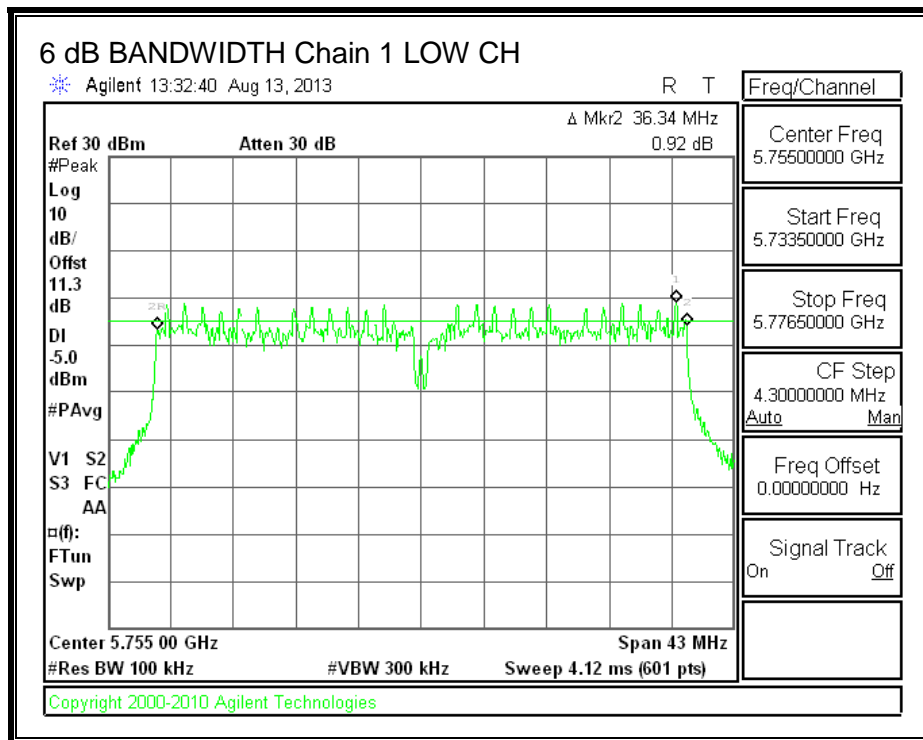
RESULTS

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

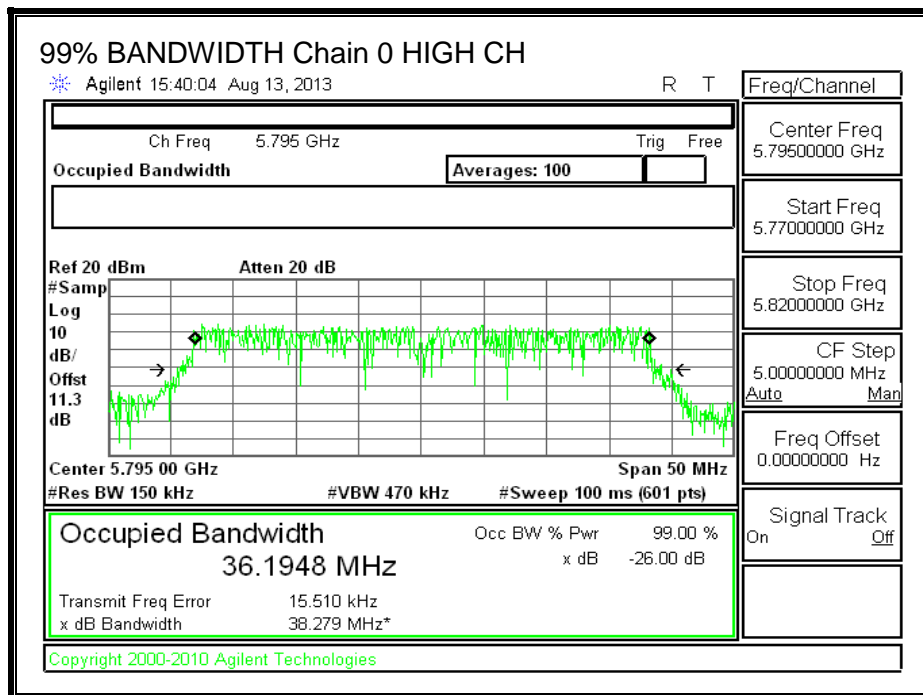
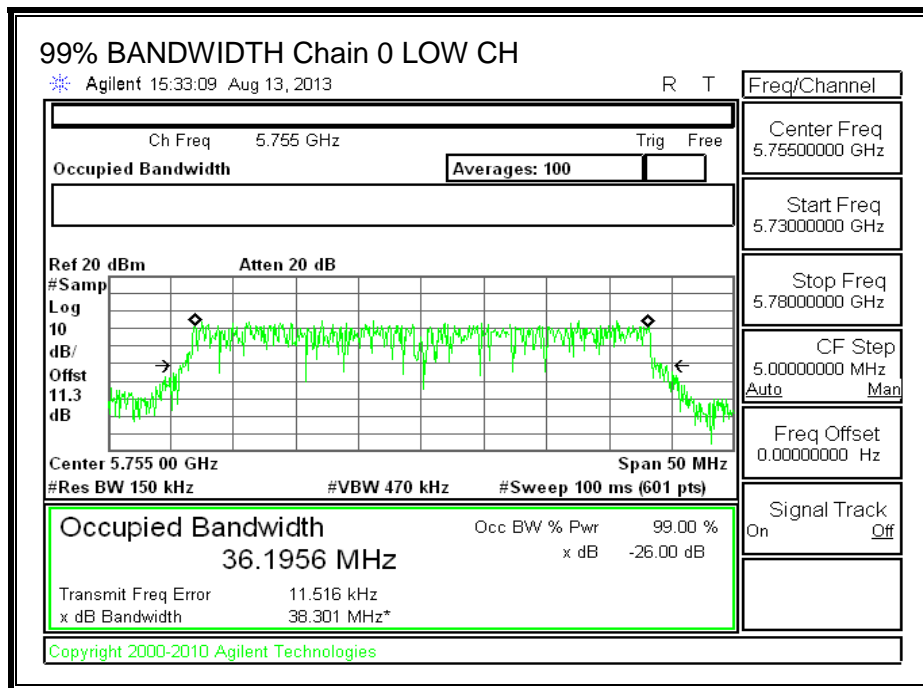
LIMITS

None; for reporting purposes only.

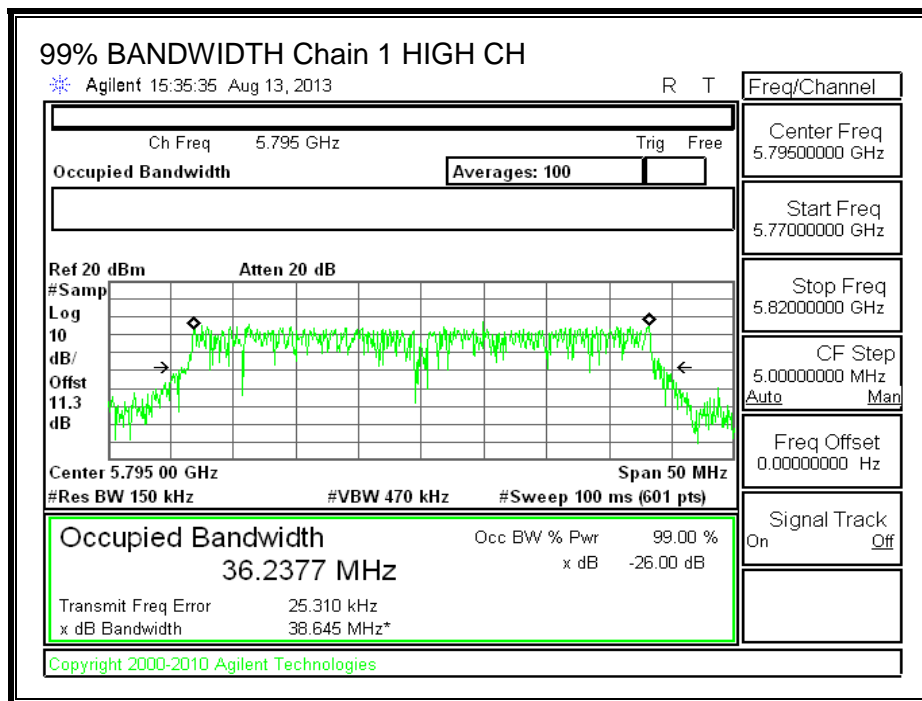
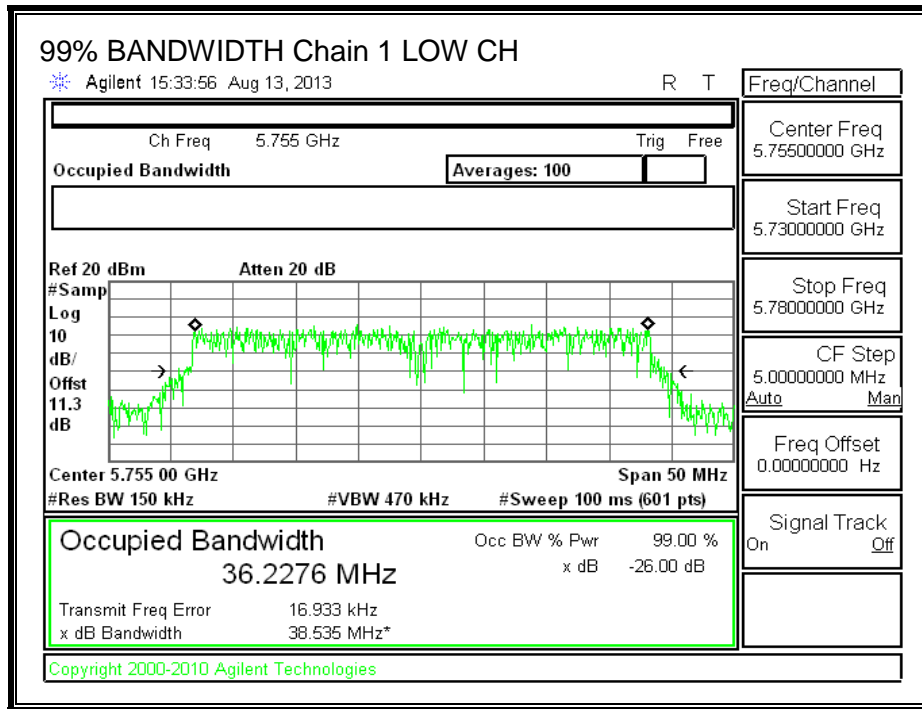
RESULTS

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

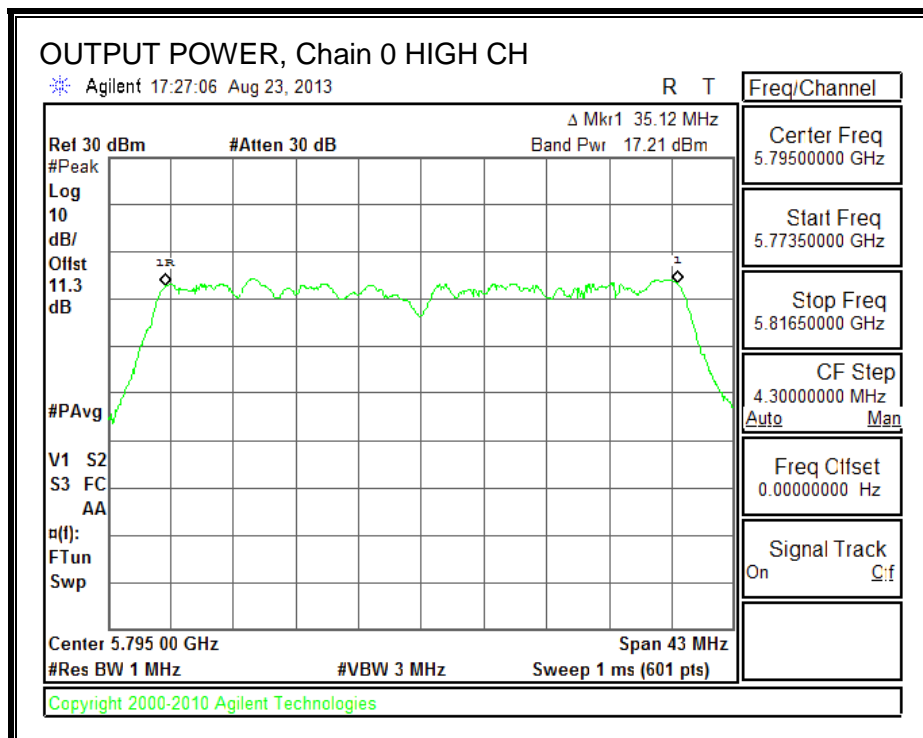
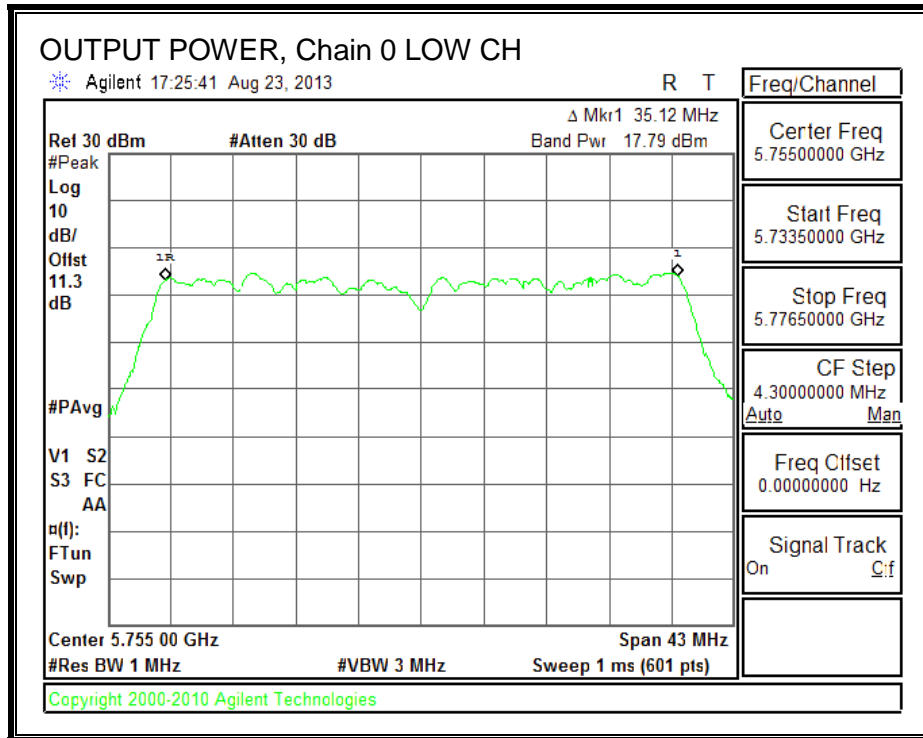
Limits

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

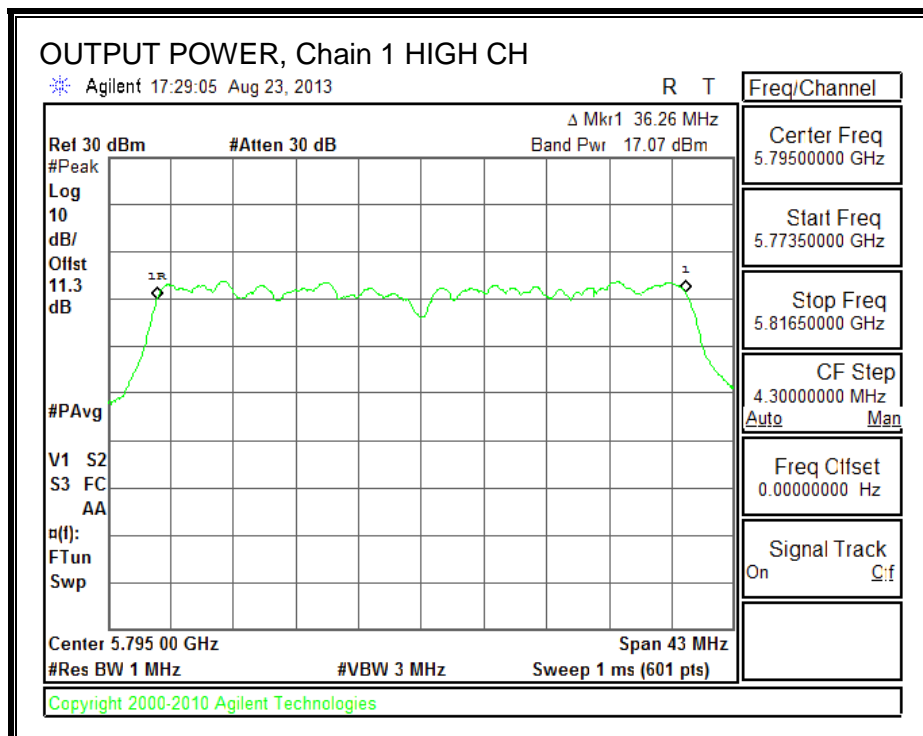
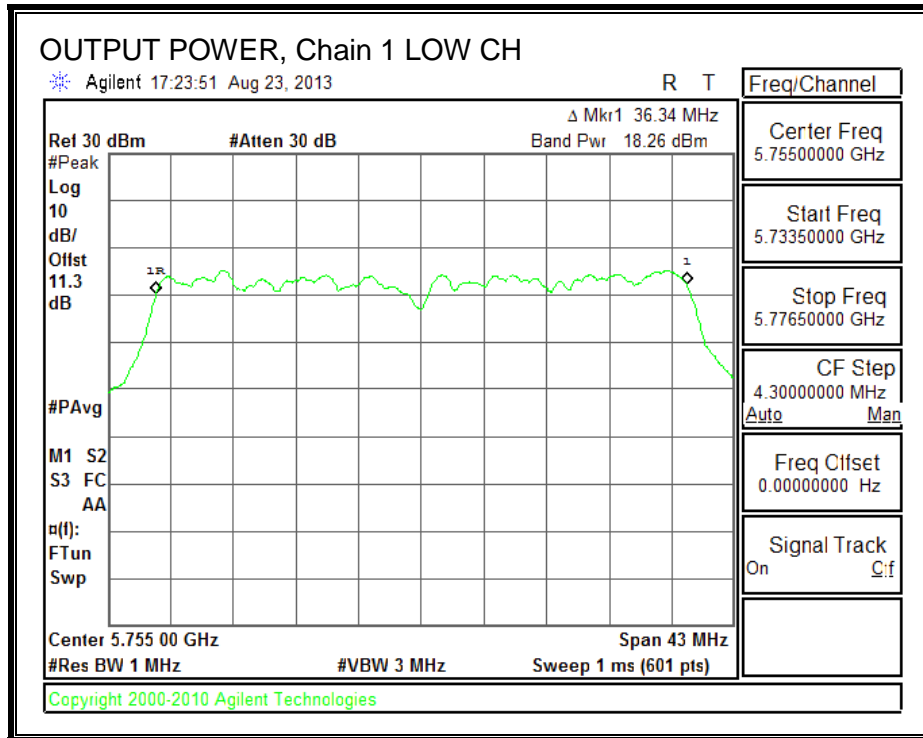
Results

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

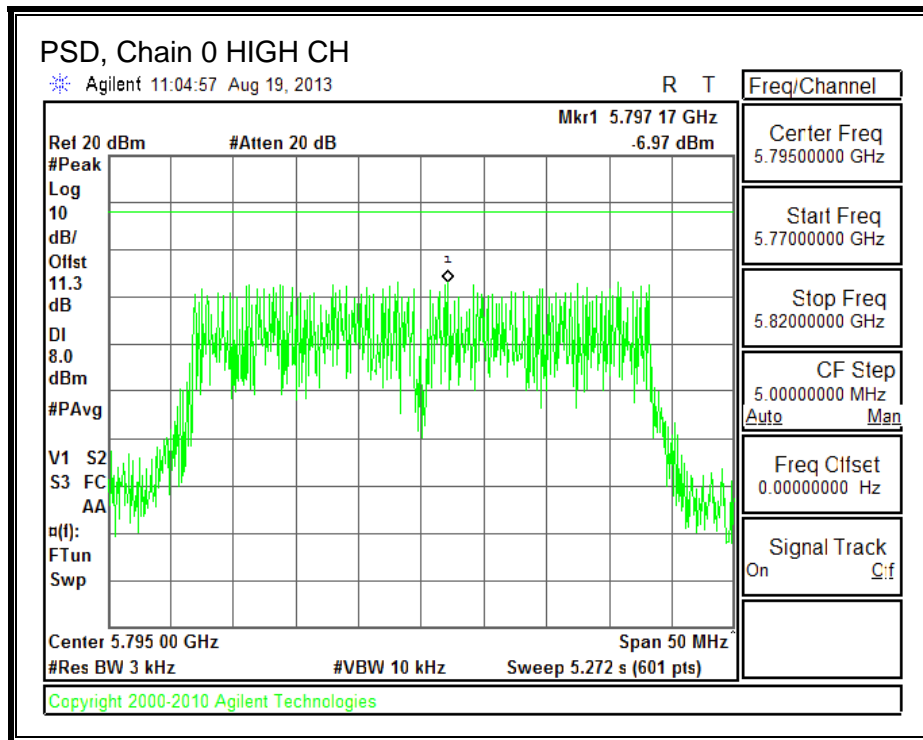
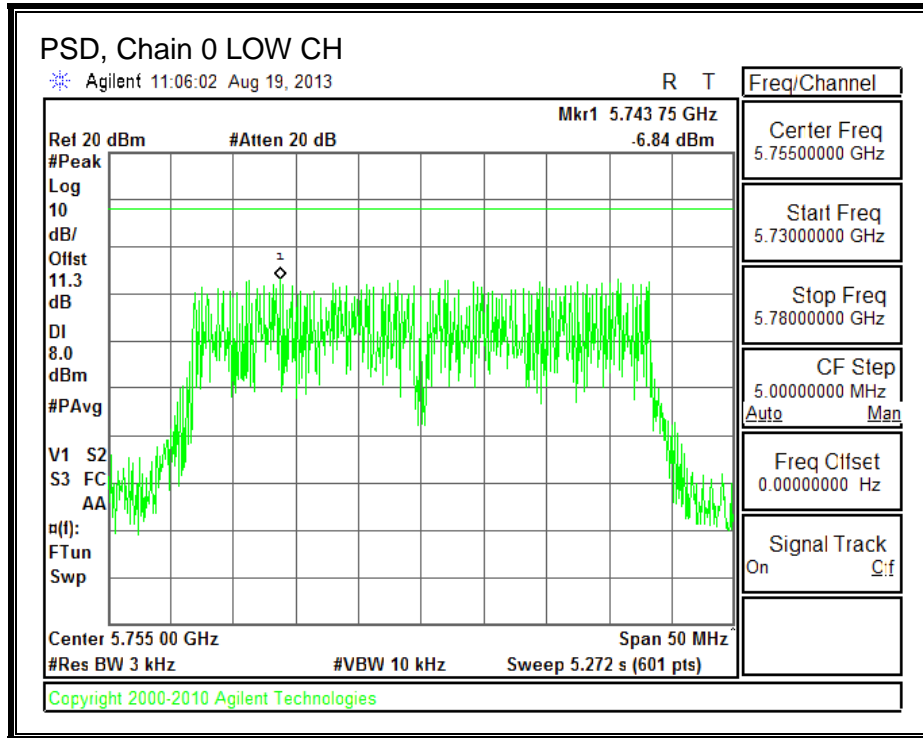
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS

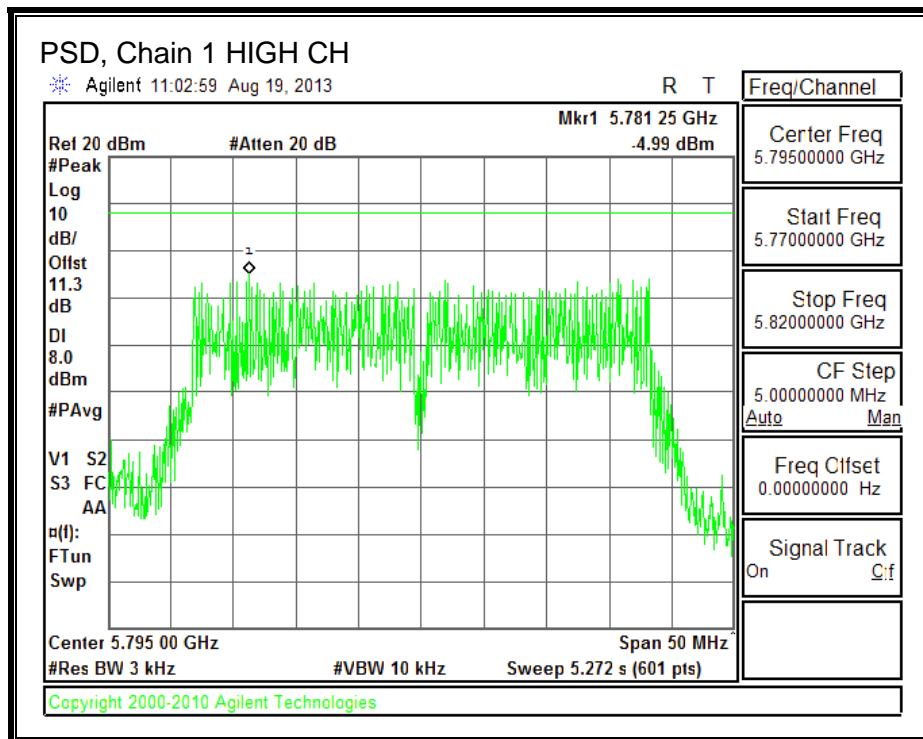
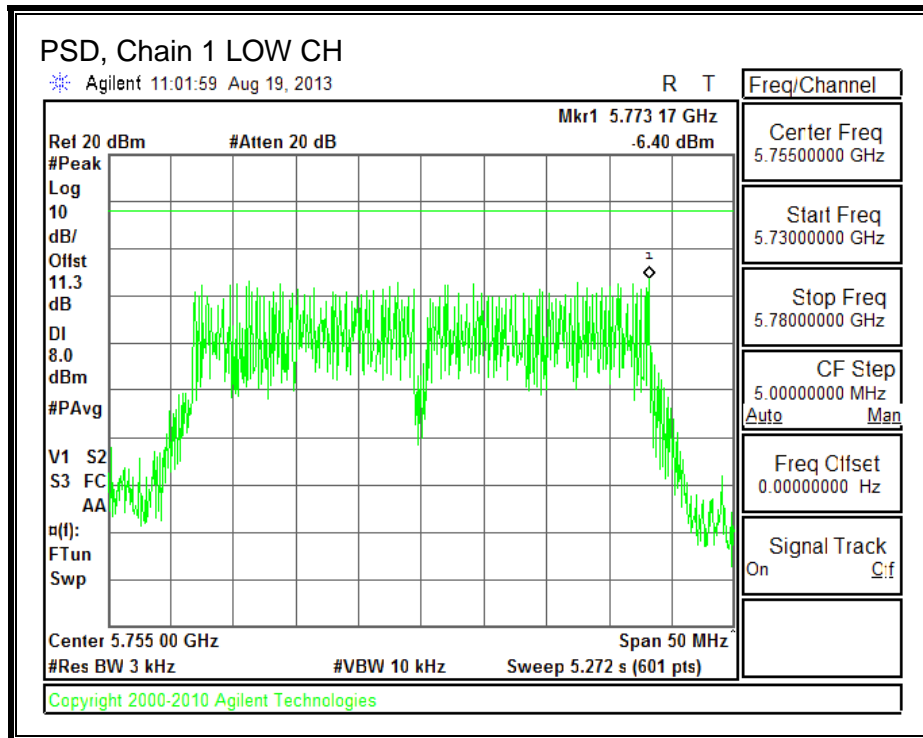
PSD Results

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

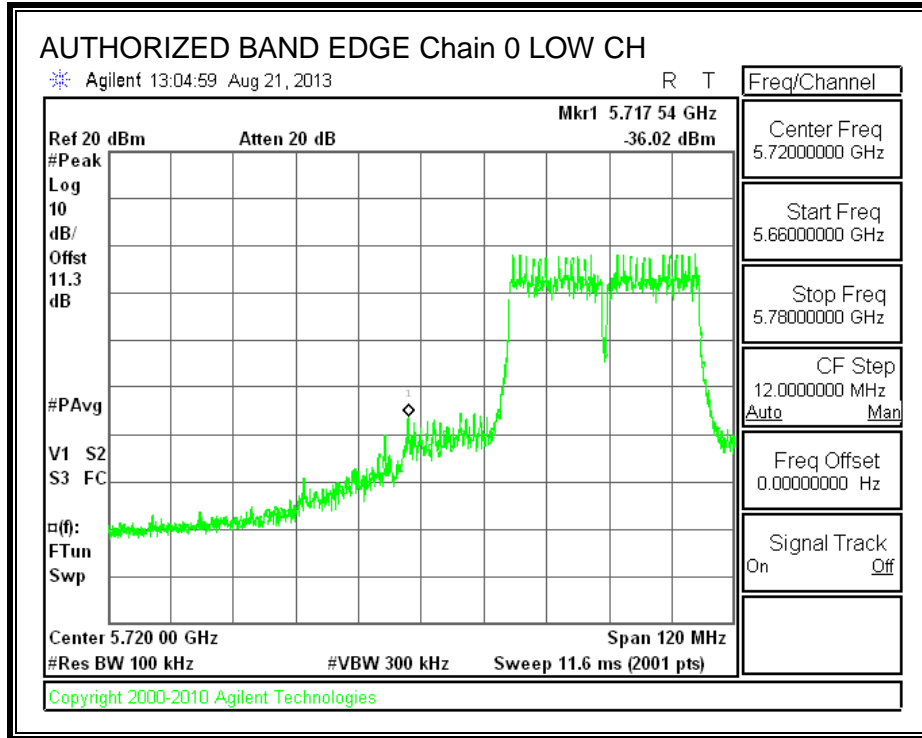
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

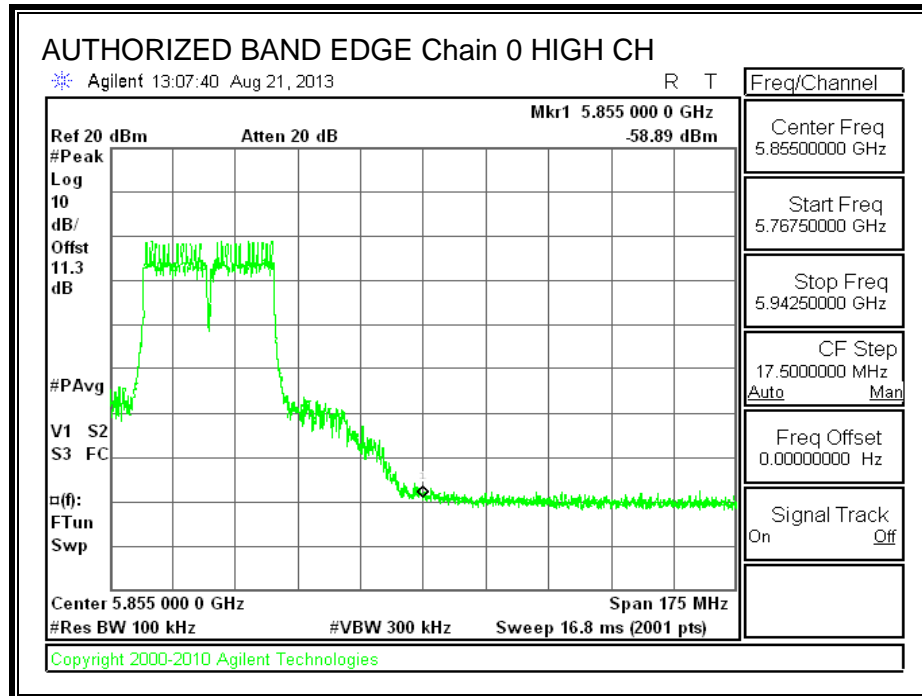
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

RESULTS

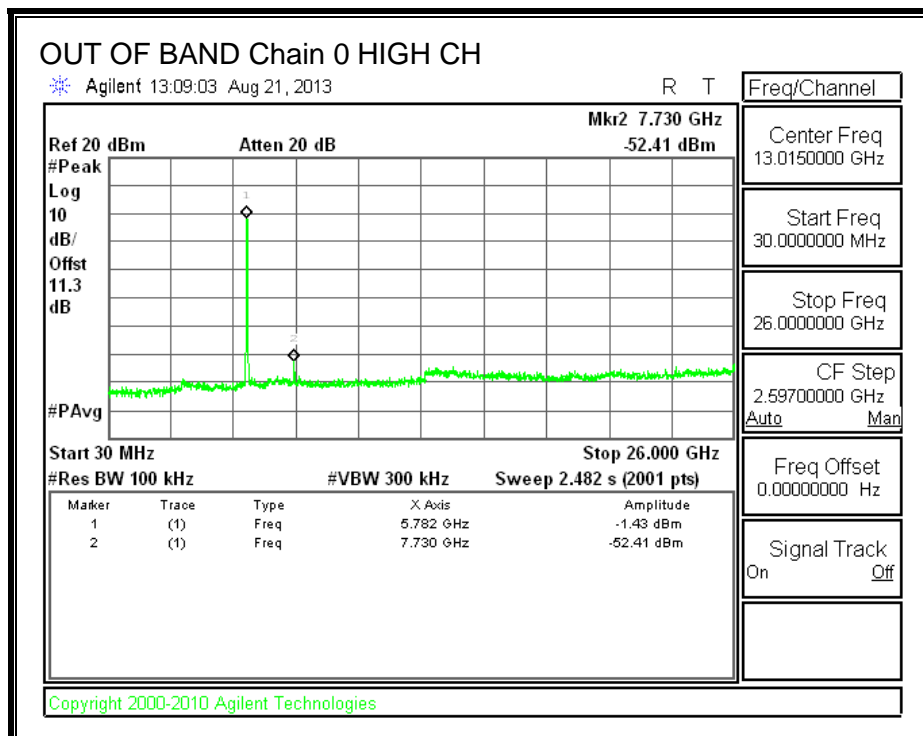
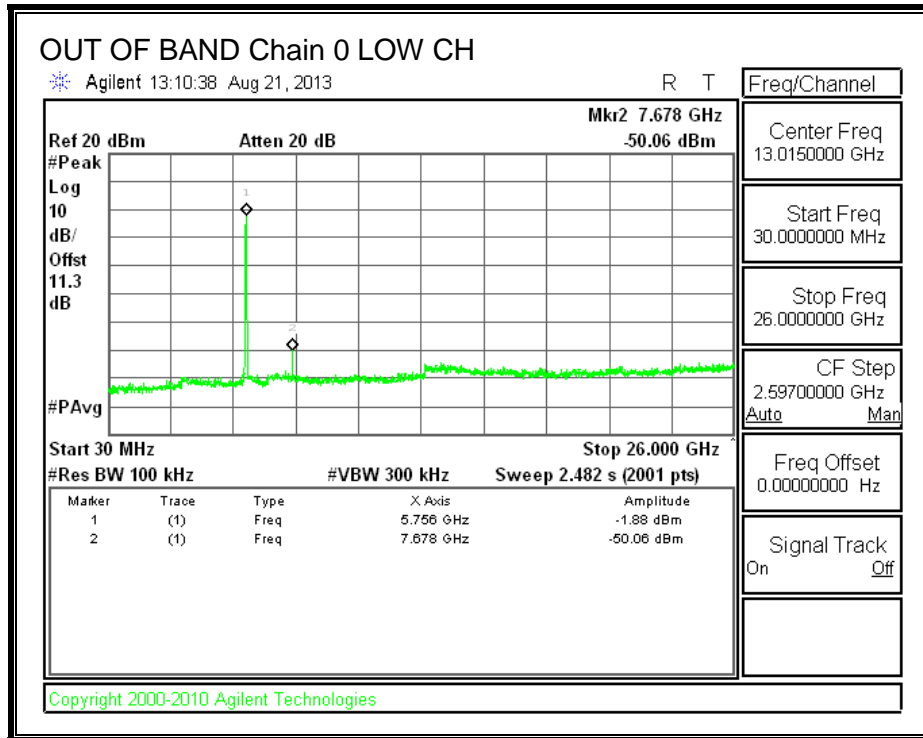
LOW CHANNEL BANDEDGE, Chain 0



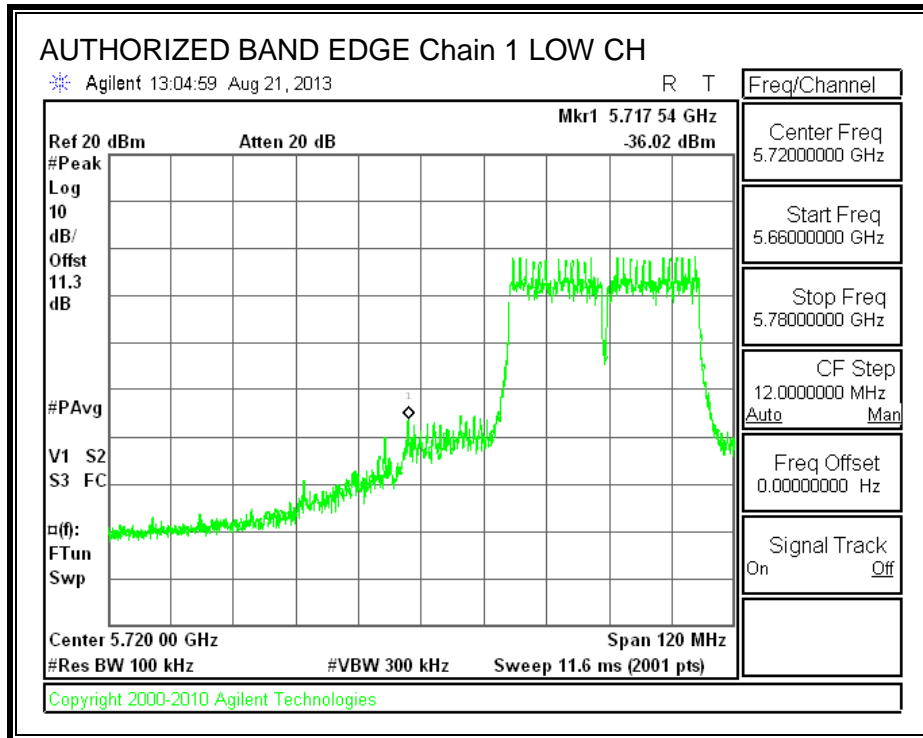
HIGH CHANNEL BANDEDGE, Chain 0



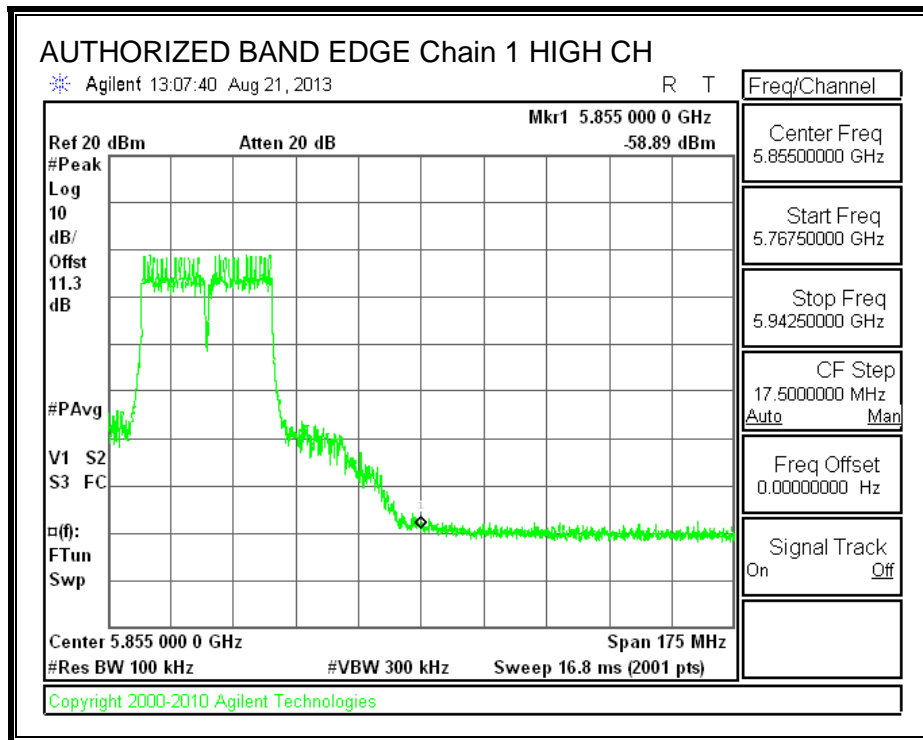
OUT-OF-BAND EMISSIONS, Chain 0



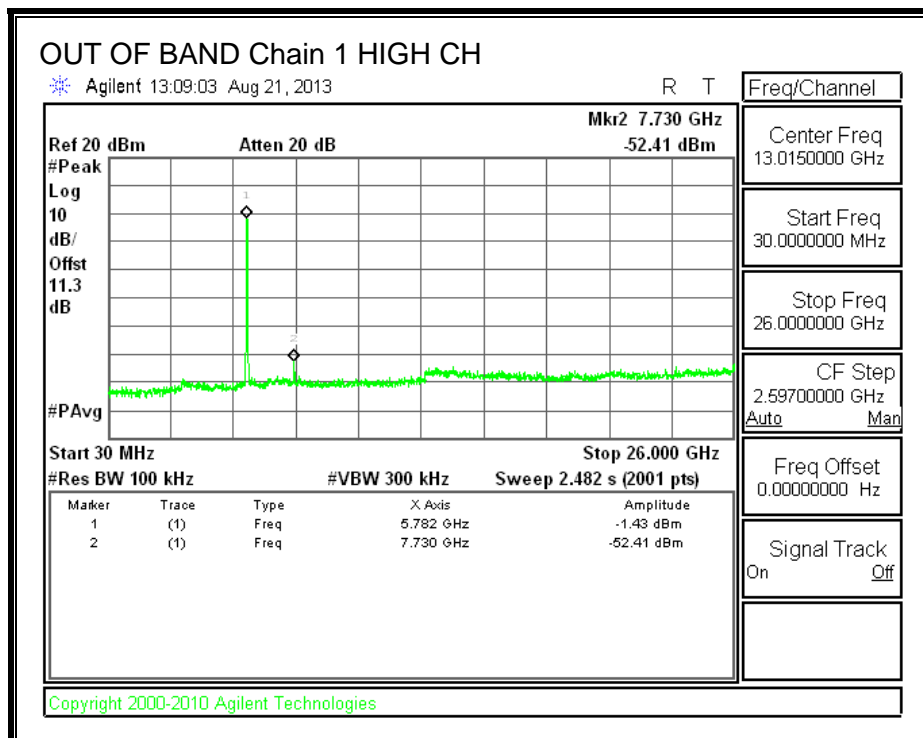
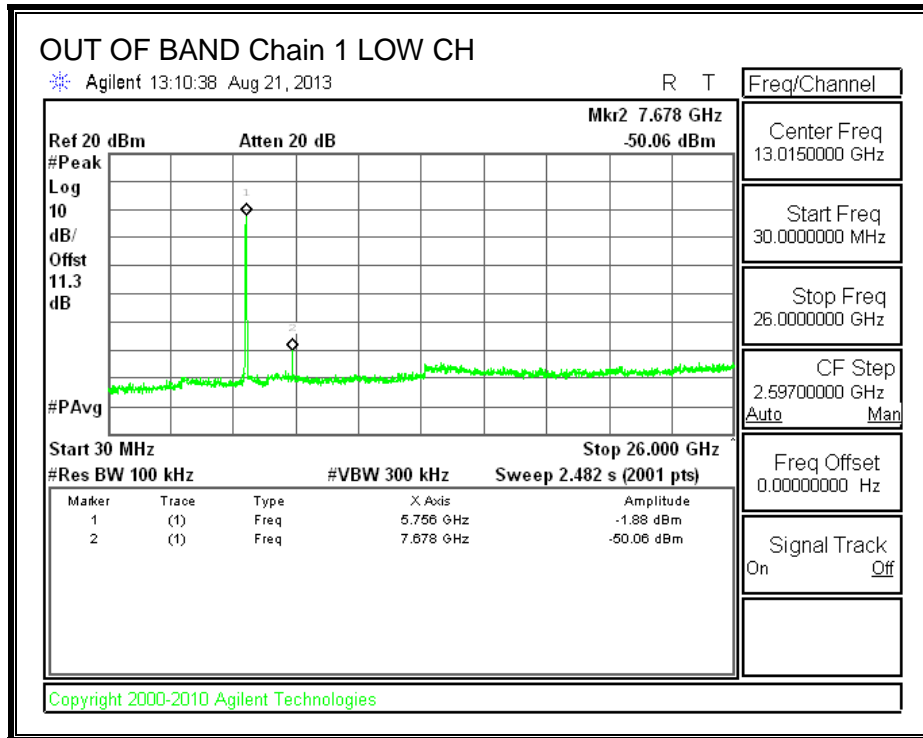
LOW CHANNEL BANDEDGE, Chain 1



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

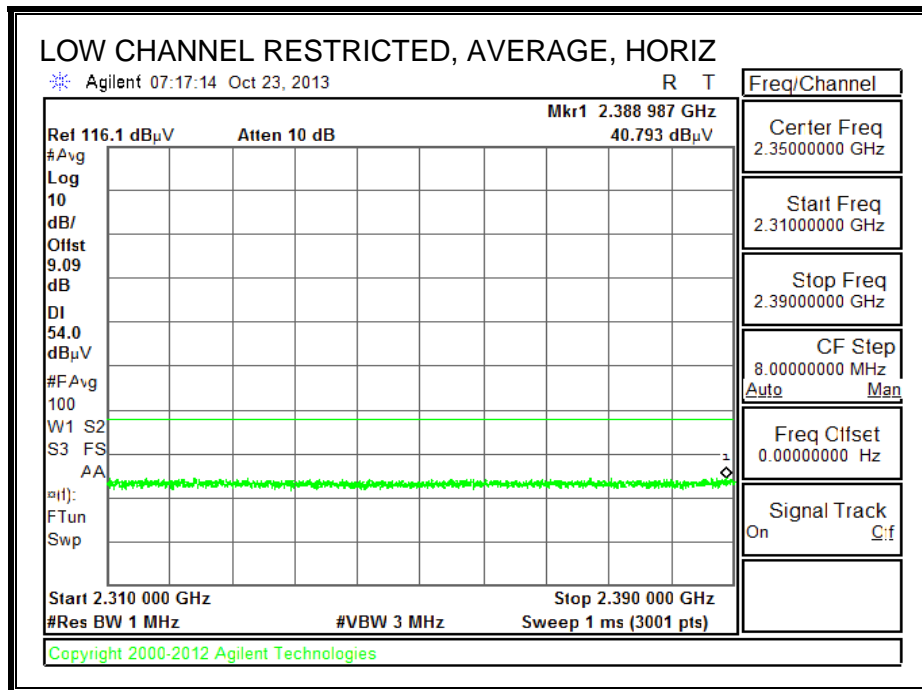
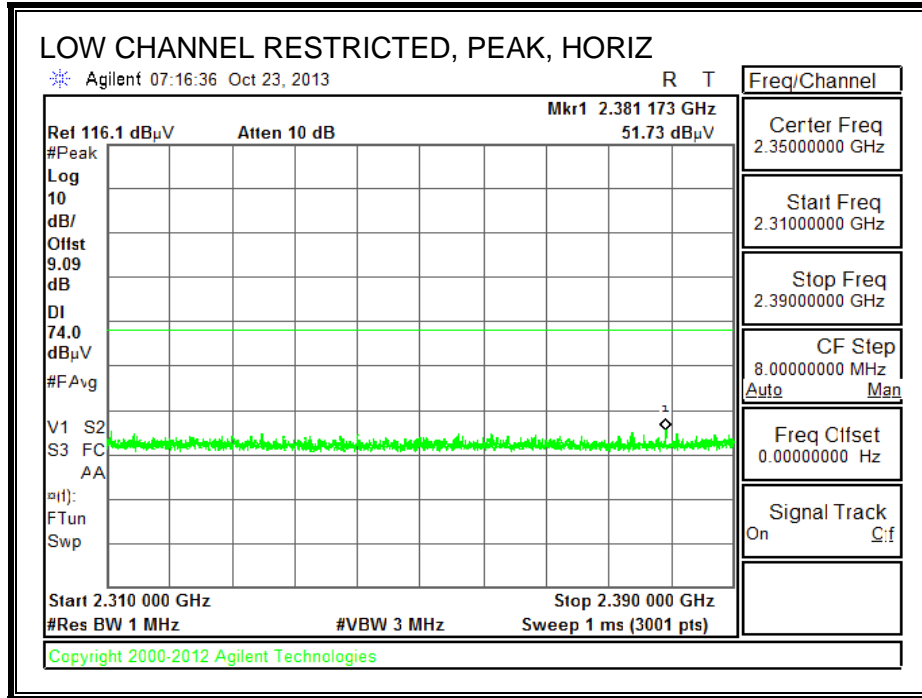
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

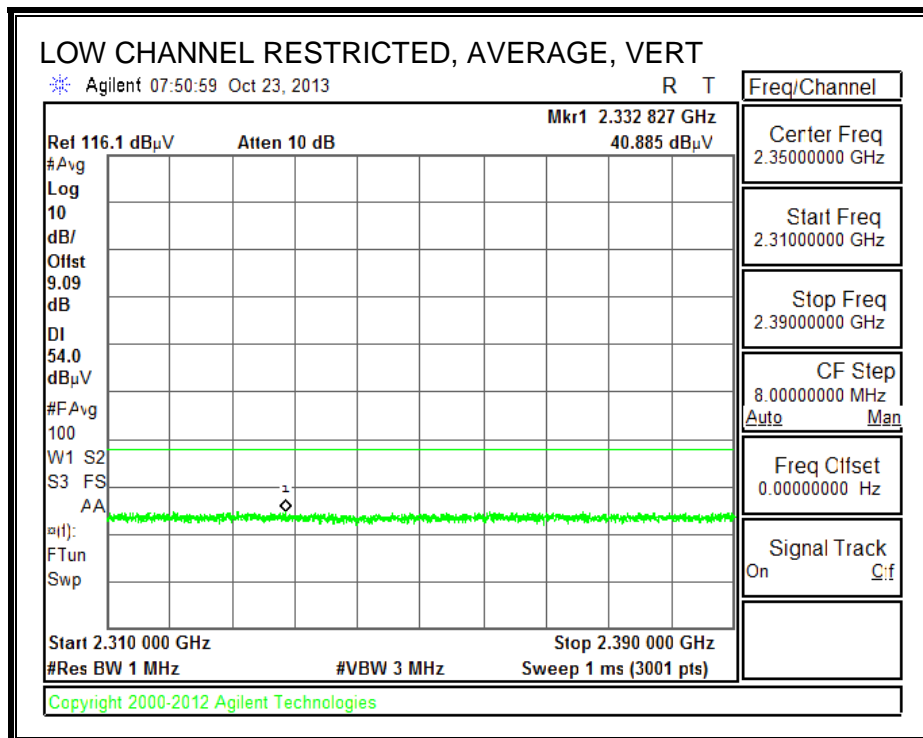
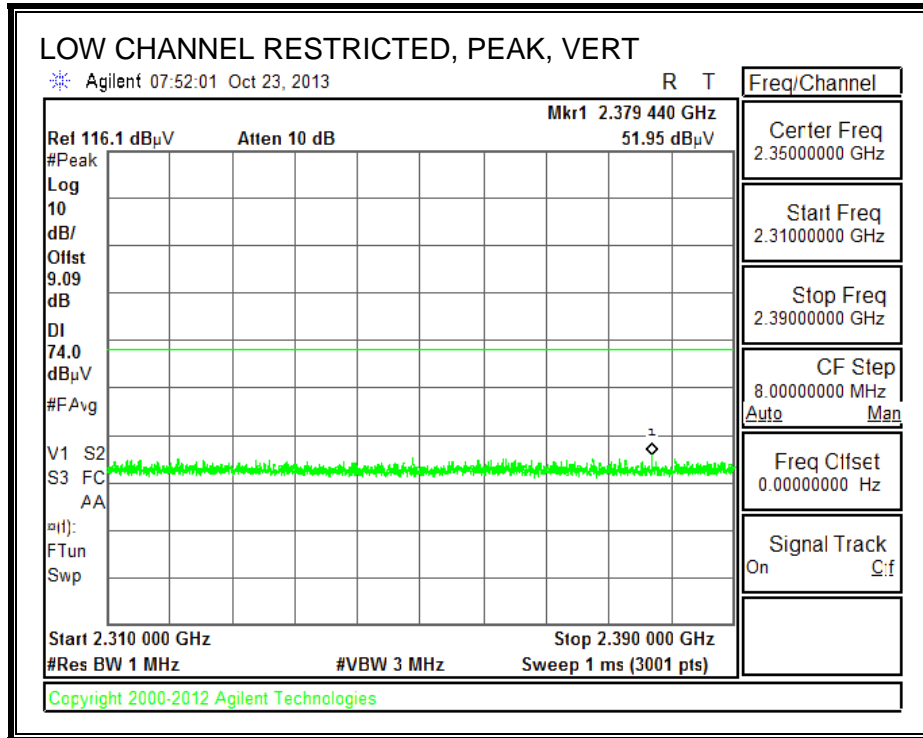
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

9.2. TRANSMITTER ABOVE 1 GHz

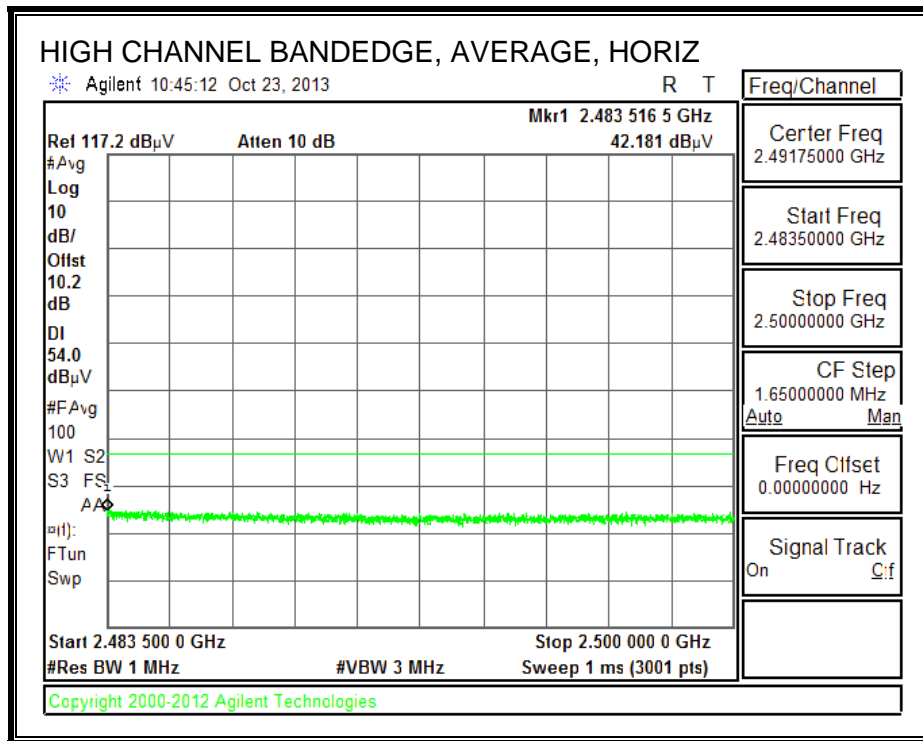
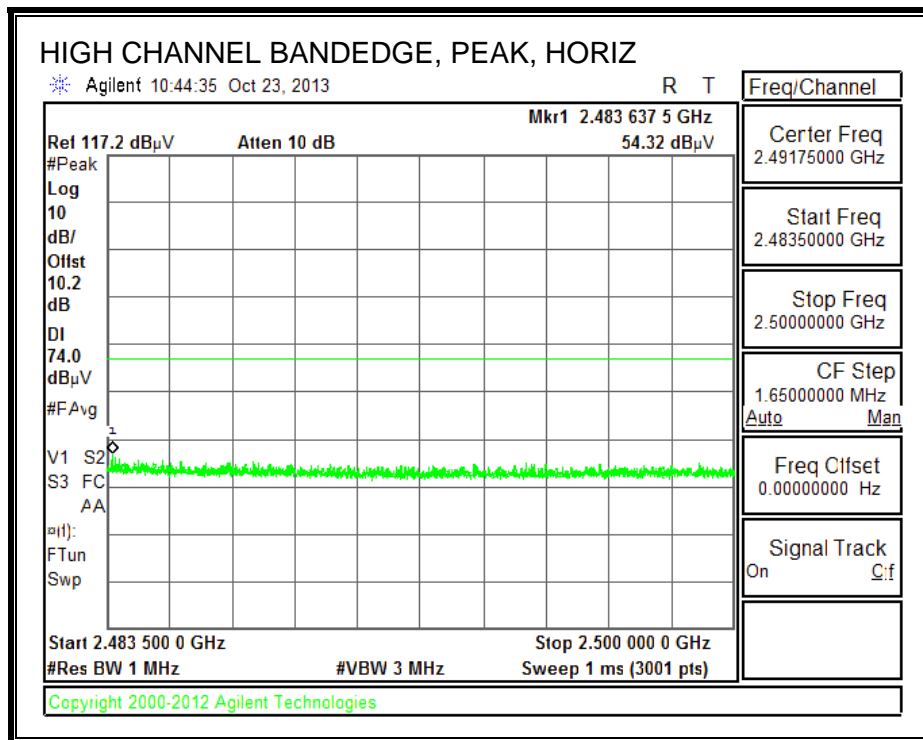
9.3. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

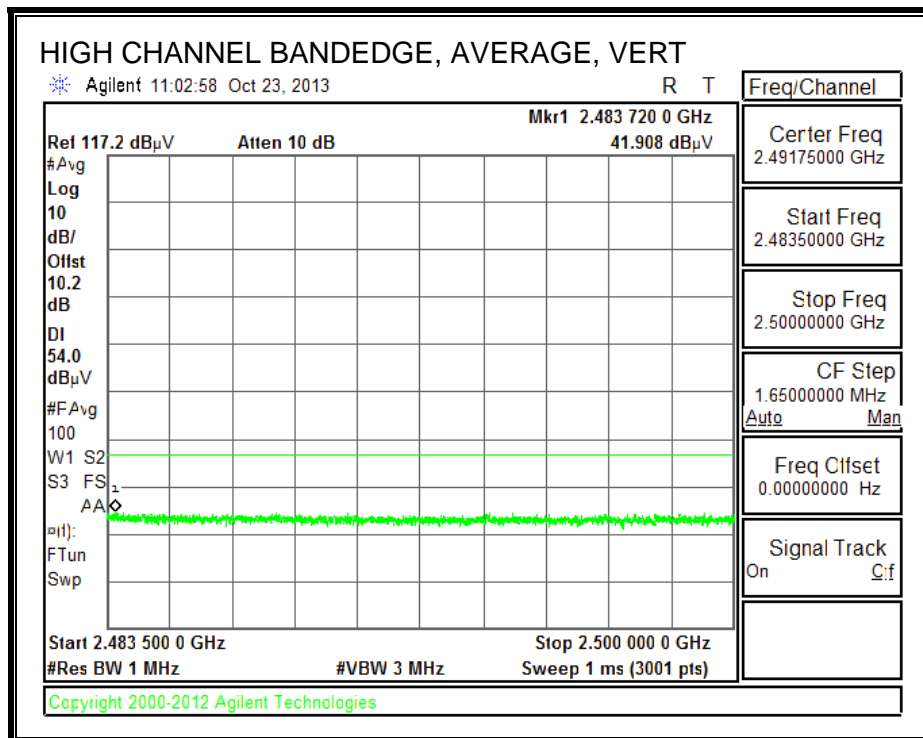
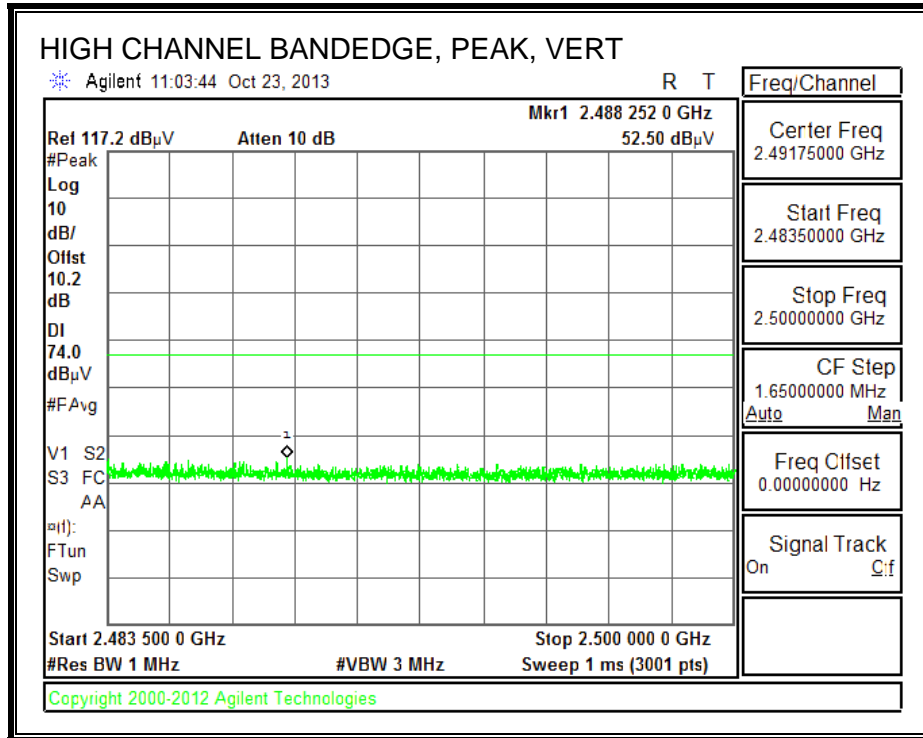
RESTRICTED BANDEDGE (LOW CHANNEL)





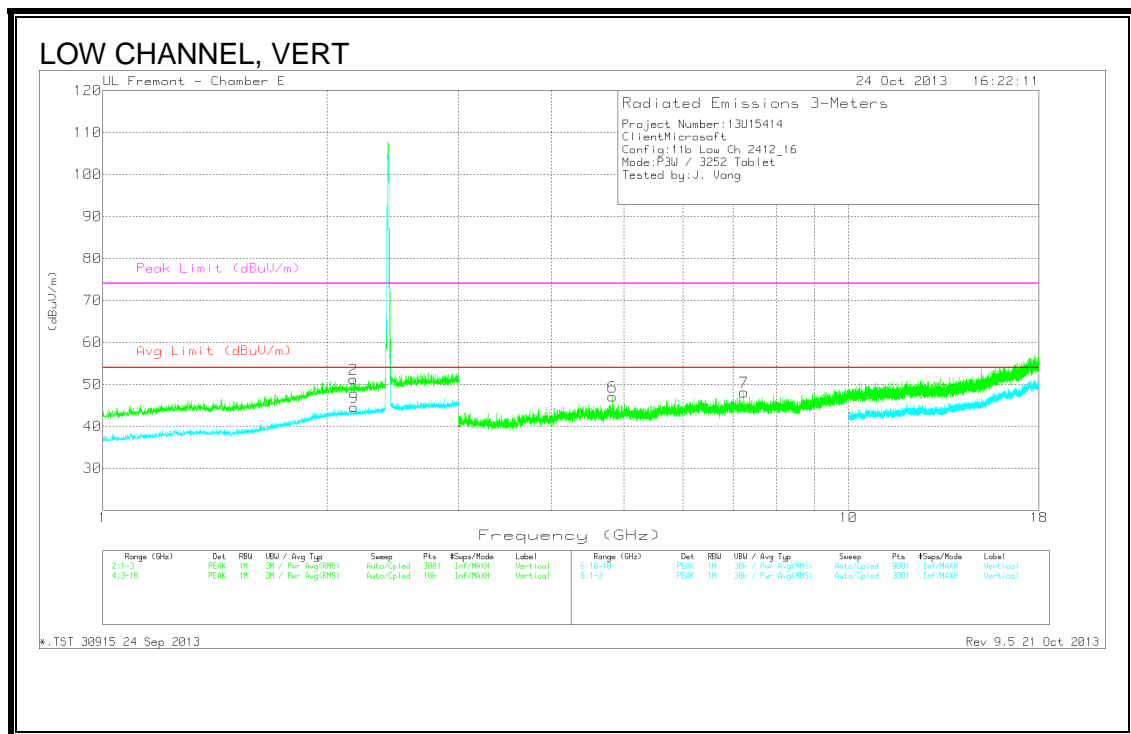
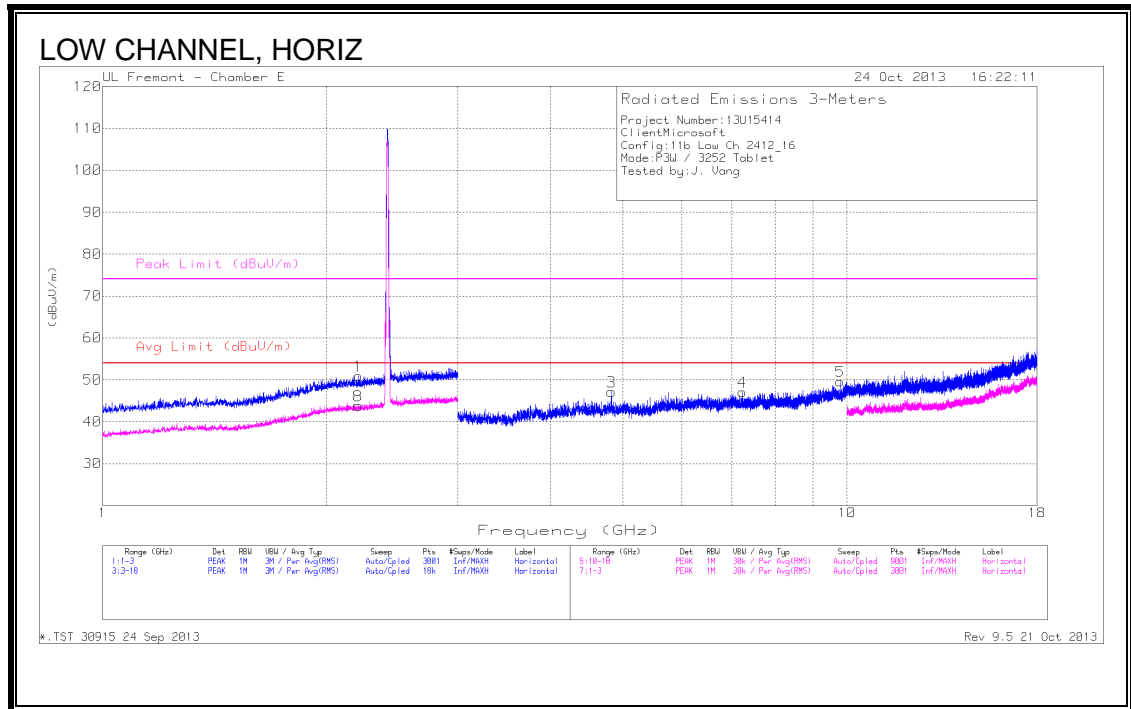
AUTHORIZED BANDEDGE (HIGH CHANNEL)





HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, 2412 MHz



LOW Channel DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/10dB Pad	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.205	43.95	PK	32.3	-25.3	50.95	53.97	-3.02	74	-23.05	0-360	100	H
2	2.168	44.24	PK	32.3	-25.3	51.24	53.97	-2.73	74	-22.76	0-360	100	V
8	2.204	36.84	Av g	32.3	-25.3	43.84	53.97	-10.13	74	-30.16	0-360	199	H
9	2.171	37.55	Av g	32.3	-25.3	44.55	53.97	-9.42	74	-29.45	0-360	100	V

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	4.824	43.97	PK	34.4	-31.2	47.17	53.97	-6.8	74	-26.83	0-360	100	H
4	7.236	39.7	PK	36	-28.6	47.1	53.97	-6.87	74	-26.9	0-360	199	H
5	9.793	37.34	PK	37.7	-25.4	49.64	53.97	-4.33	74	-24.36	0-360	199	H
6	4.825	43.89	PK	34.4	-31.2	47.09	53.97	-6.88	74	-26.91	0-360	199	V
7	7.239	40.69	PK	36	-28.6	48.09	53.97	-5.88	74	-25.91	0-360	100	V

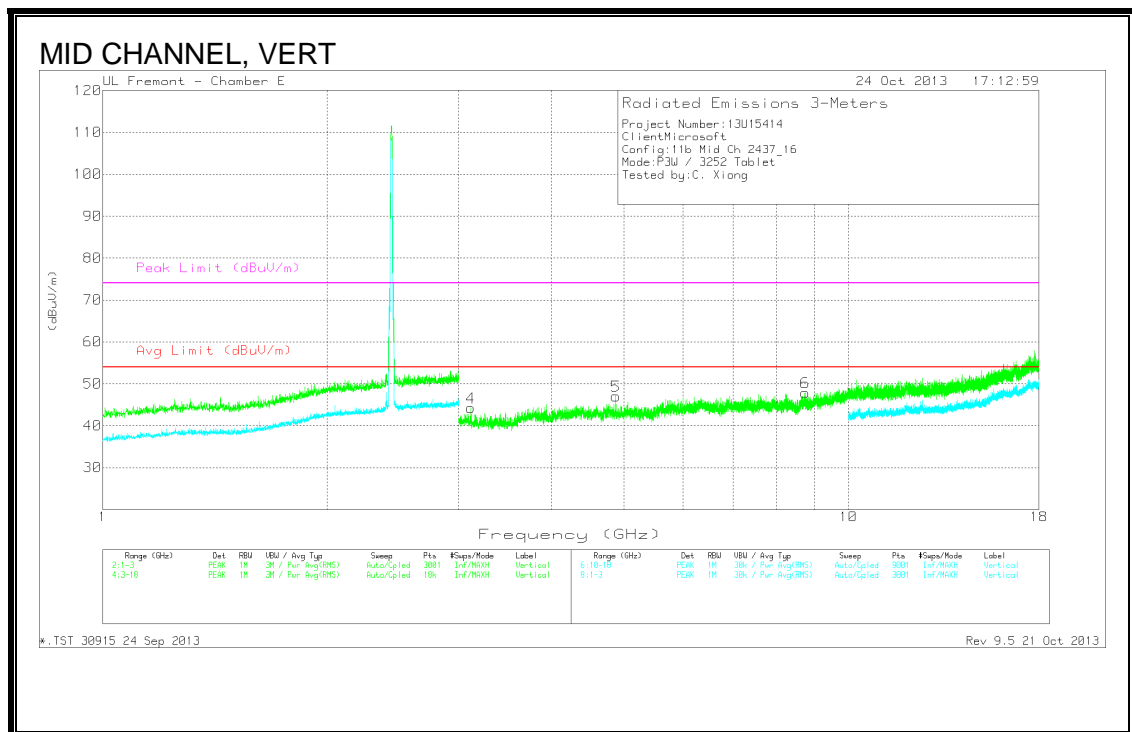
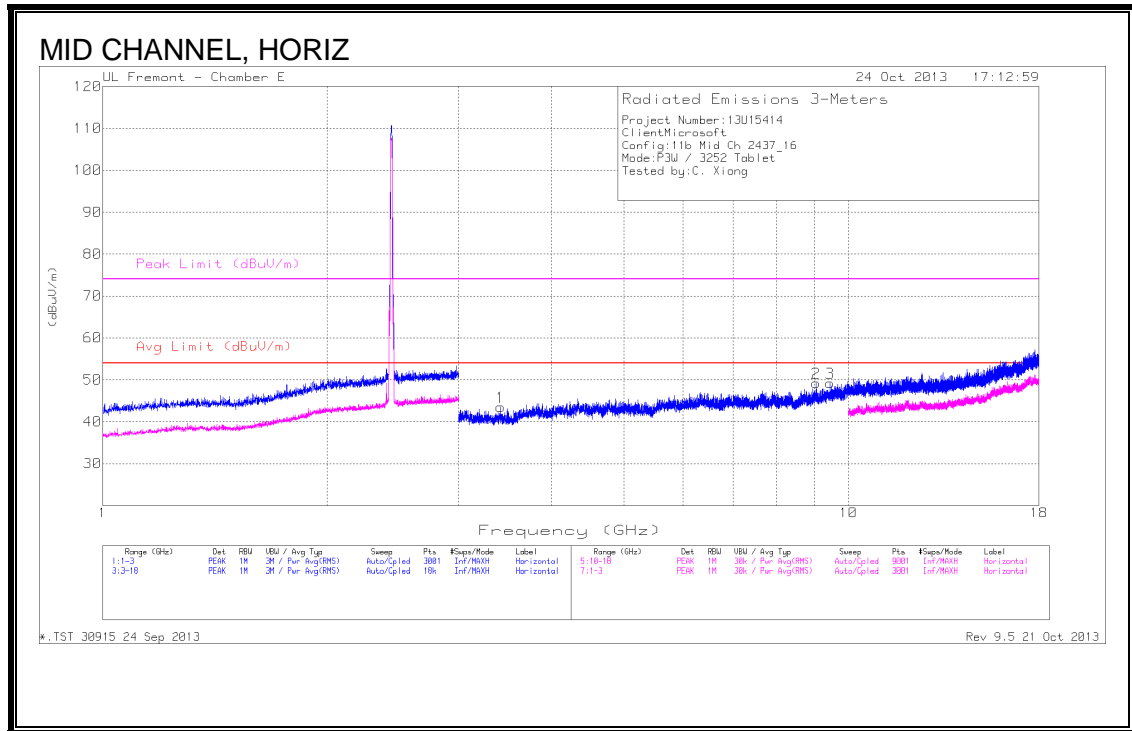
Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/Cbl /3GHz HPF	Corrected Reading (dBuV/ m)	Avg Limit (dBuV/ m)	Margi n (dB)	Peak Limit (dBuV/ m)	Margi n (dB)	Azimuth (Degs)	Height (cm)	Polarit y
9.792	22.27	Av	37.7	-25.4	34.57	53.97	-19.4	-	-	318	365	H
7.238	27.85	Av	36	-28.6	35.25	53.97	-18.72	-	-	256	347	H

PK - Peak detector

Av - average detection

Avg - Video bandwidth < Resolution bandwidth

MID CHANNEL, 2437 MHz



MID Channel DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.415	41.49	PK	33.2	-31.2	43.49	53.97	-10.48	74	-30.51	0-360	100	H
2	* 9.051	37.72	PK	36.9	-25.4	49.22	53.97	-4.75	74	-24.78	0-360	100	H
3	* 9.445	37.32	PK	37.4	-25.5	49.22	53.97	-4.75	74	-24.78	0-360	100	H
4	3.116	42.36	PK	33.3	-31.4	44.26	53.97	-9.71	74	-29.74	0-360	199	V
5	* 4.875	43.73	PK	34.4	-31.1	47.03	53.97	-6.94	74	-26.97	0-360	199	V
6	8.749	37.82	PK	36.6	-26.5	47.92	53.97	-6.05	74	-26.08	0-360	100	V

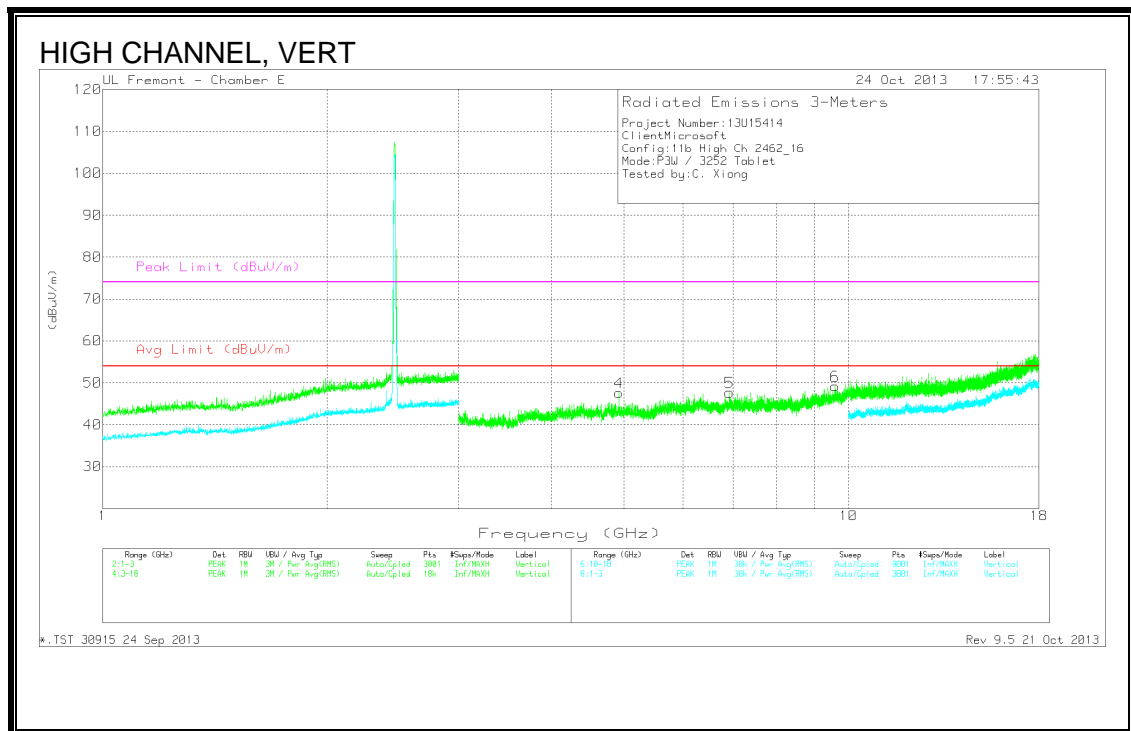
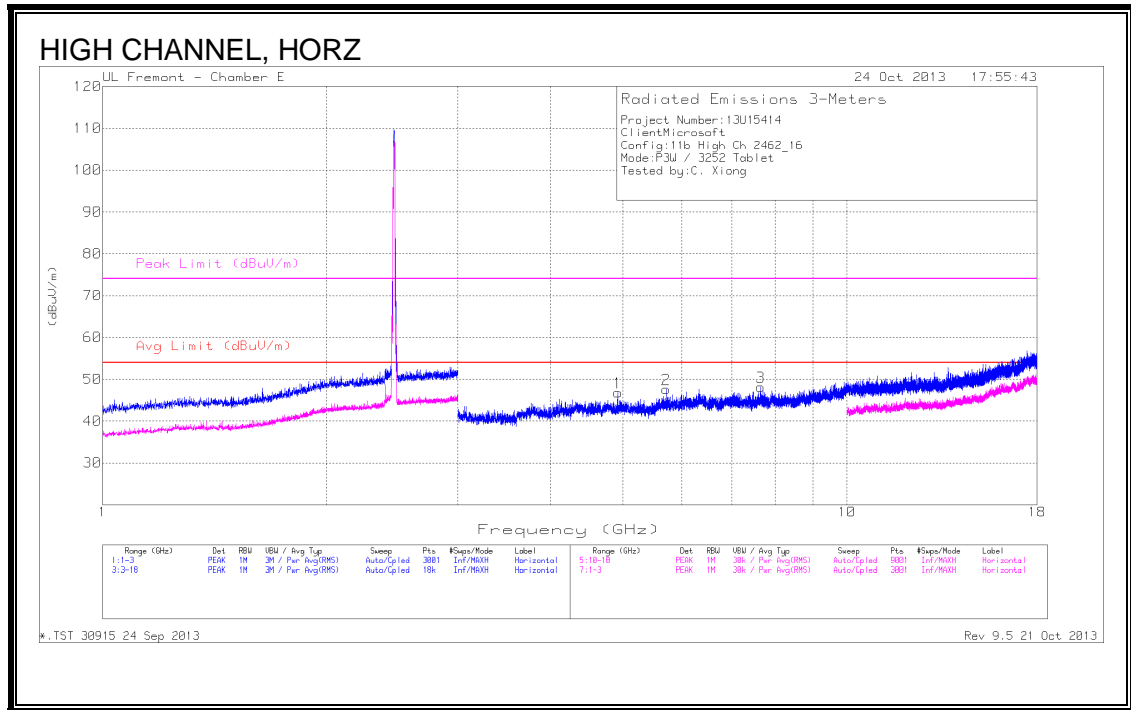
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 9.06	26.67	MAv1	36.9	-25.4	38.17	53.97	-15.8	74	-35.83	319	143	H
* 9.457	26.53	MAv1	37.4	-25.9	38.03	53.97	-15.94	74	-35.97	256	179	H

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

PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, 2462 MHz



HIGH CHANNEL DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.925	43.2	PK	34.4	-30.8	46.8	53.97	-7.17	74	-27.2	0-360	199	H
2	5.718	42.4	PK	35.3	-30.1	47.6	53.97	-6.37	74	-26.4	0-360	199	H
3	* 7.661	39.17	PK	36.2	-27.2	48.17	53.97	-5.8	74	-25.83	0-360	199	H
4	* 4.924	44.07	PK	34.4	-30.8	47.67	53.97	-6.3	74	-26.33	0-360	100	V
5	6.926	40.29	PK	35.9	-28.5	47.69	53.97	-6.28	74	-26.31	0-360	100	V
6	9.596	36.4	PK	37.5	-24.7	49.2	53.97	-4.77	74	-24.8	0-360	199	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.651	28.2	MAv1	36.2	-27.3	37.1	53.97	-16.87	74	-36.9	202	285	H

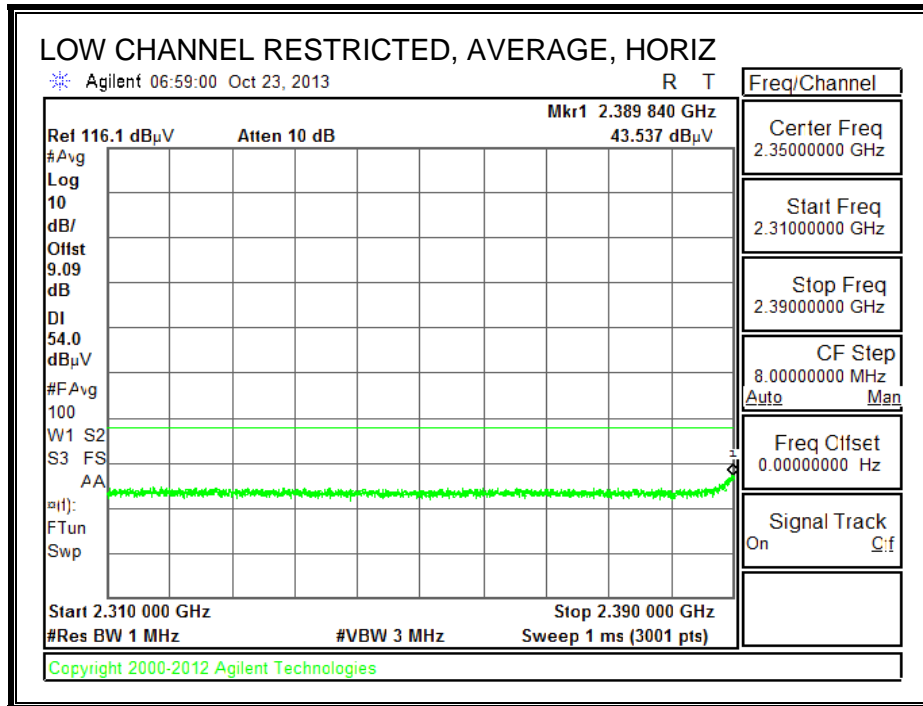
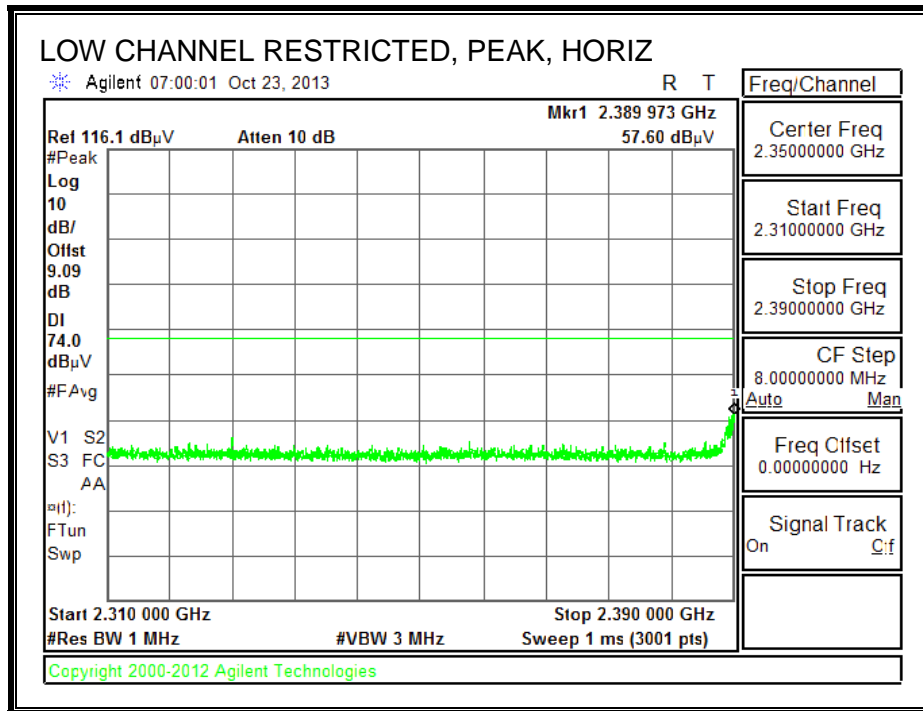
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

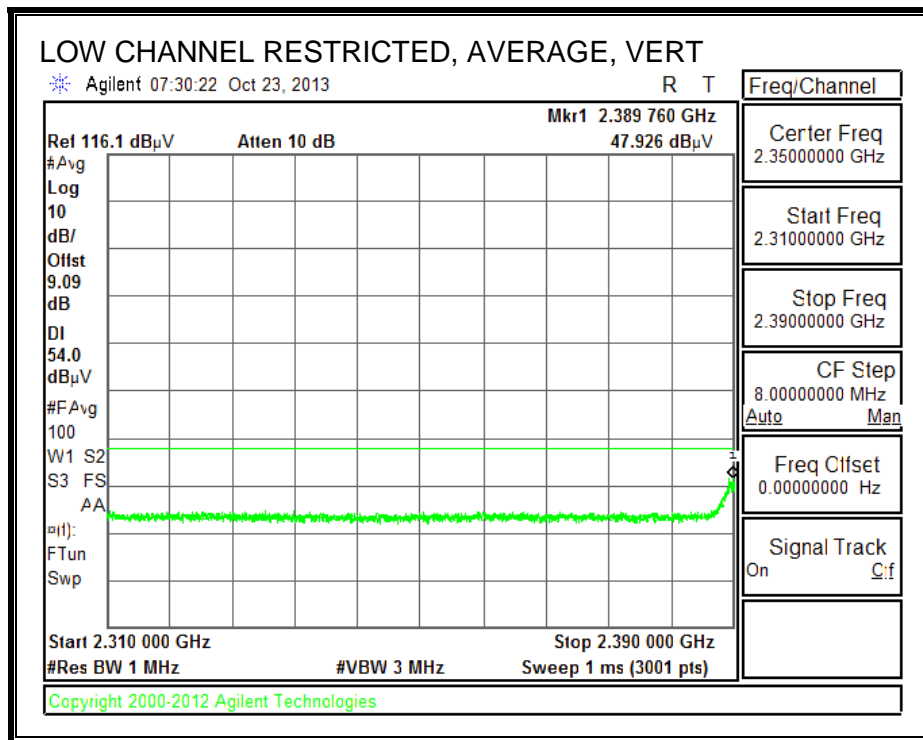
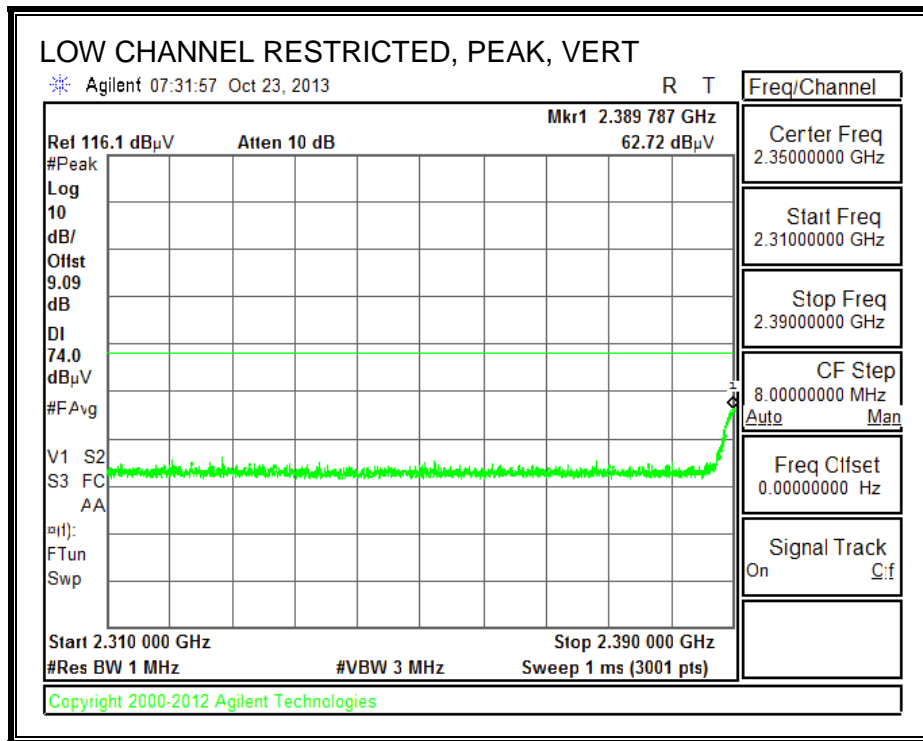
PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

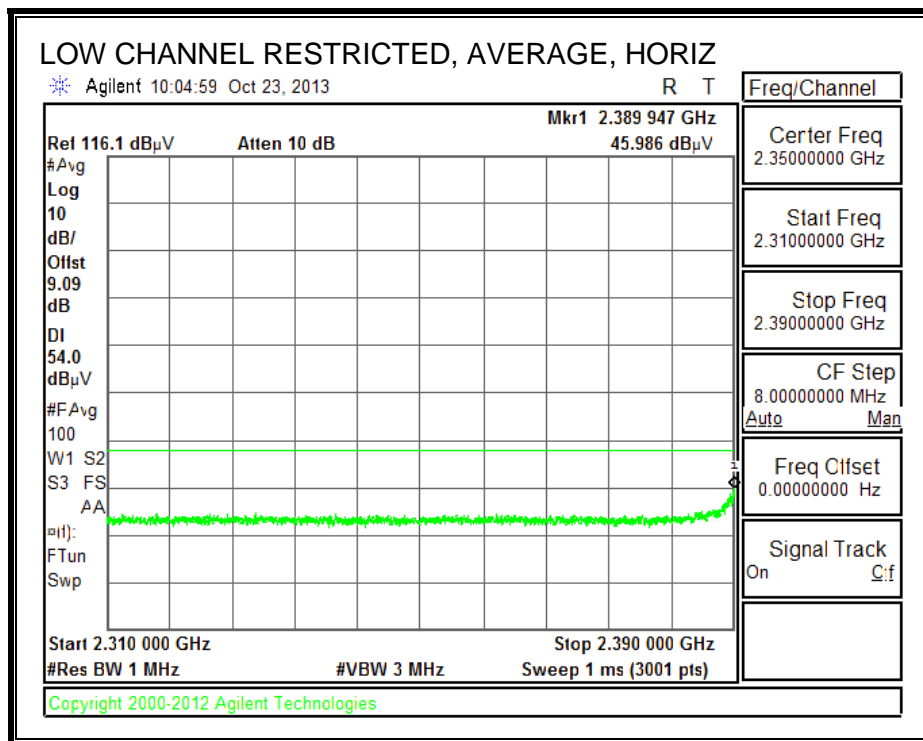
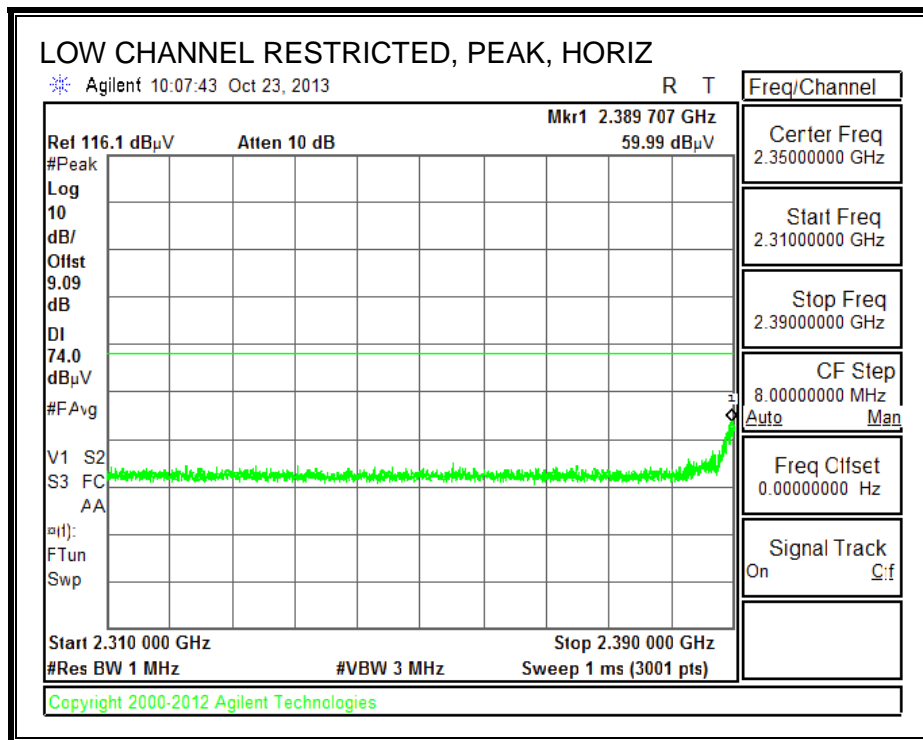
9.4. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

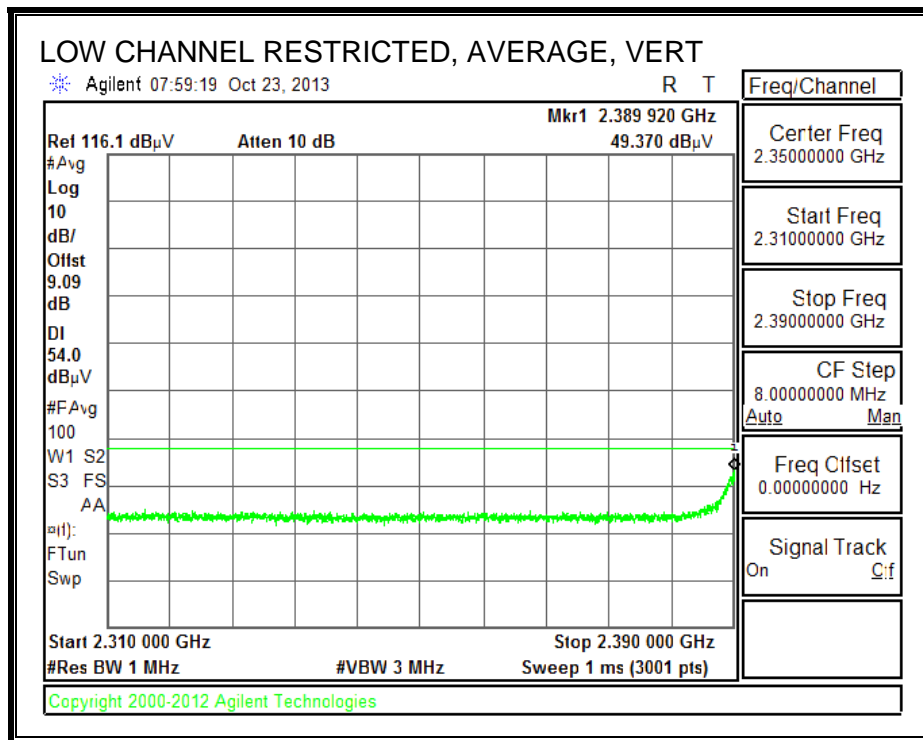
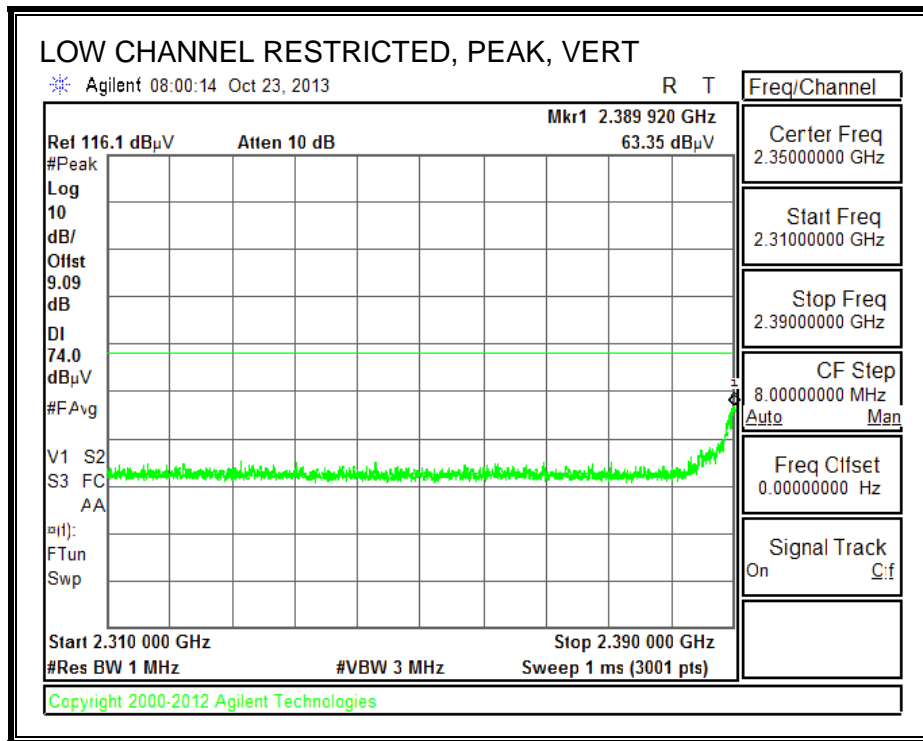
RESTRICTED BANDEDGE (LOW CHANNEL 1, 2412 MHz)



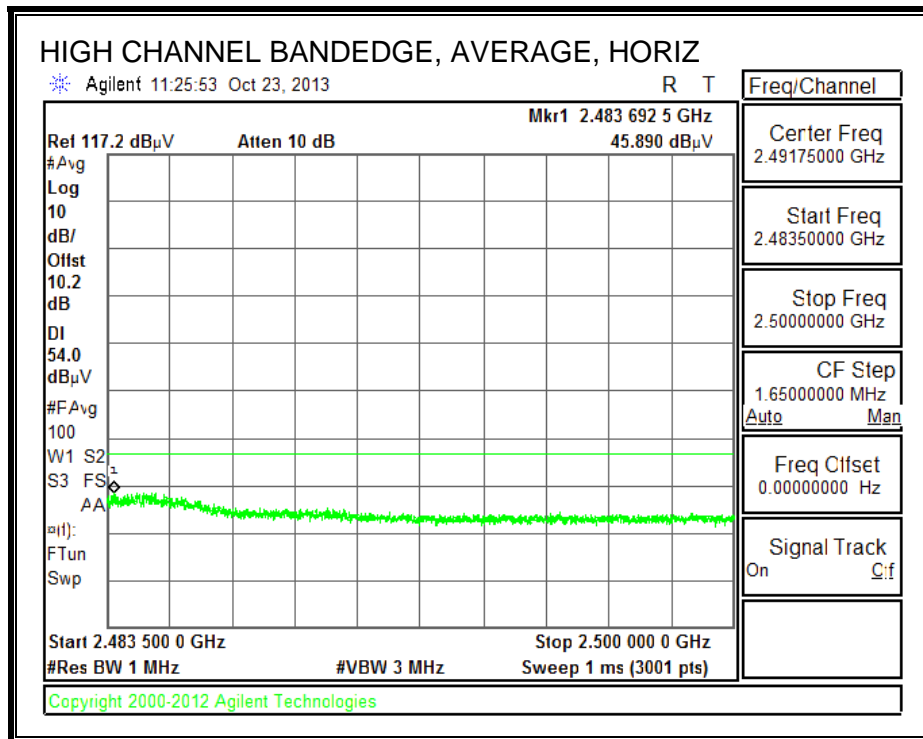
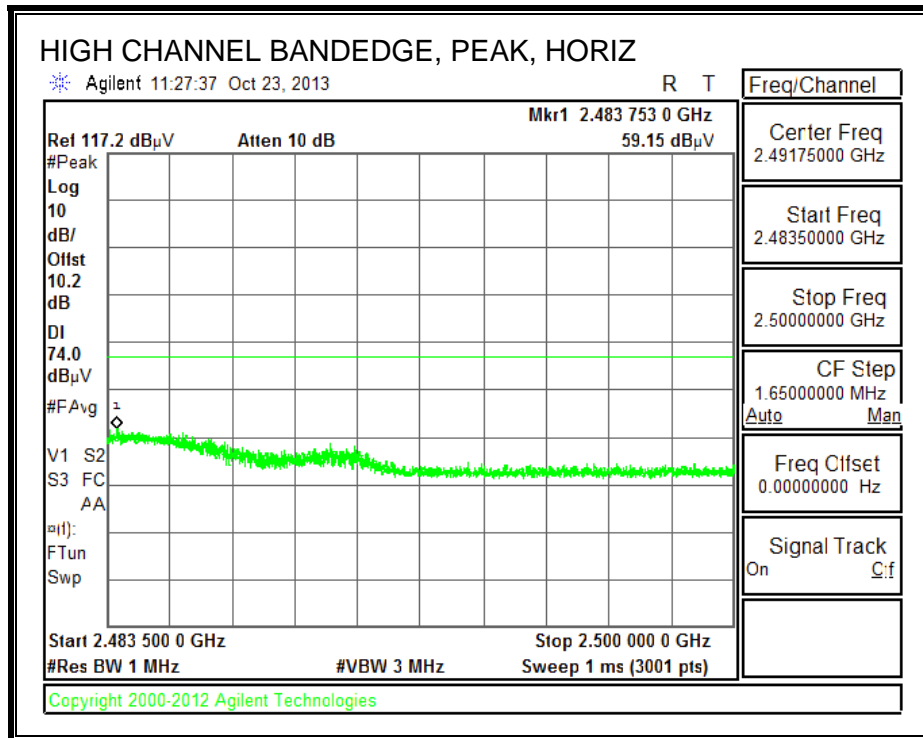


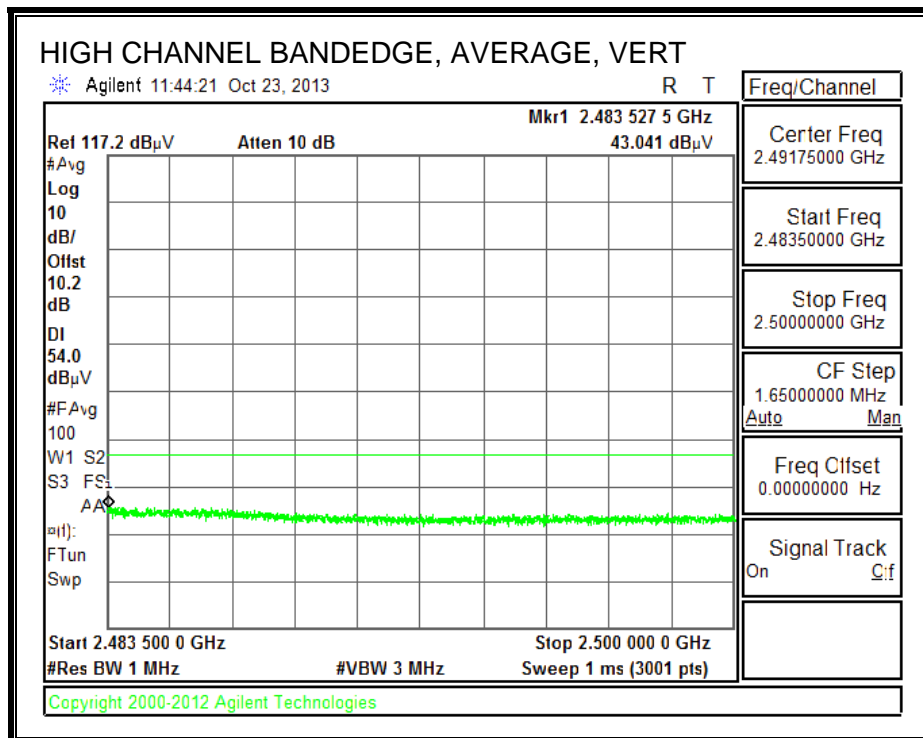
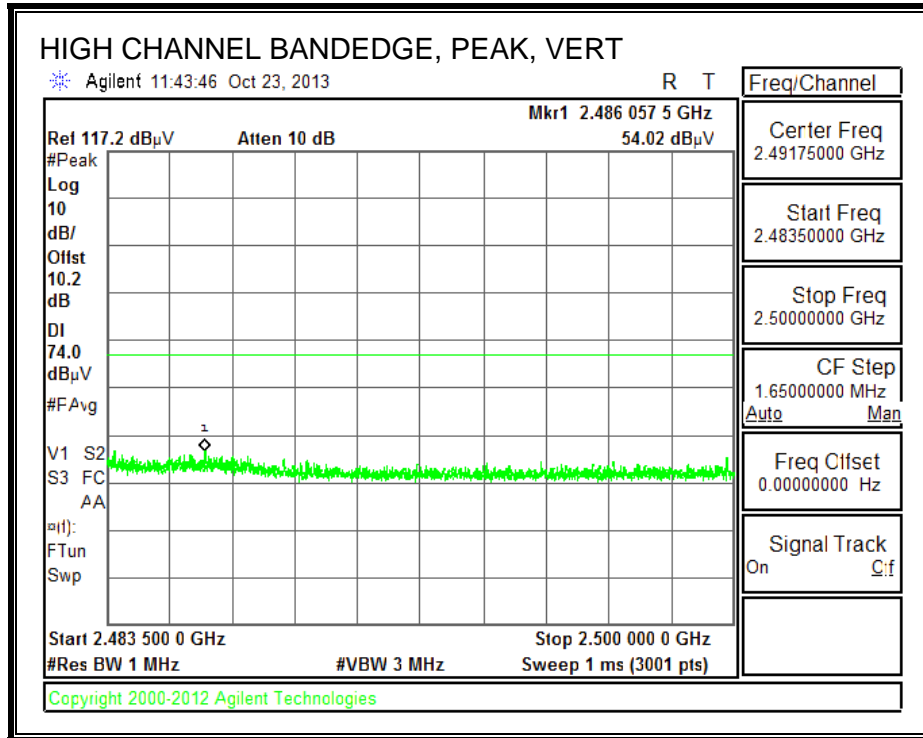
RESTRICTED BANDEDGE (LOW CHANNEL 2, 2417 MHz)



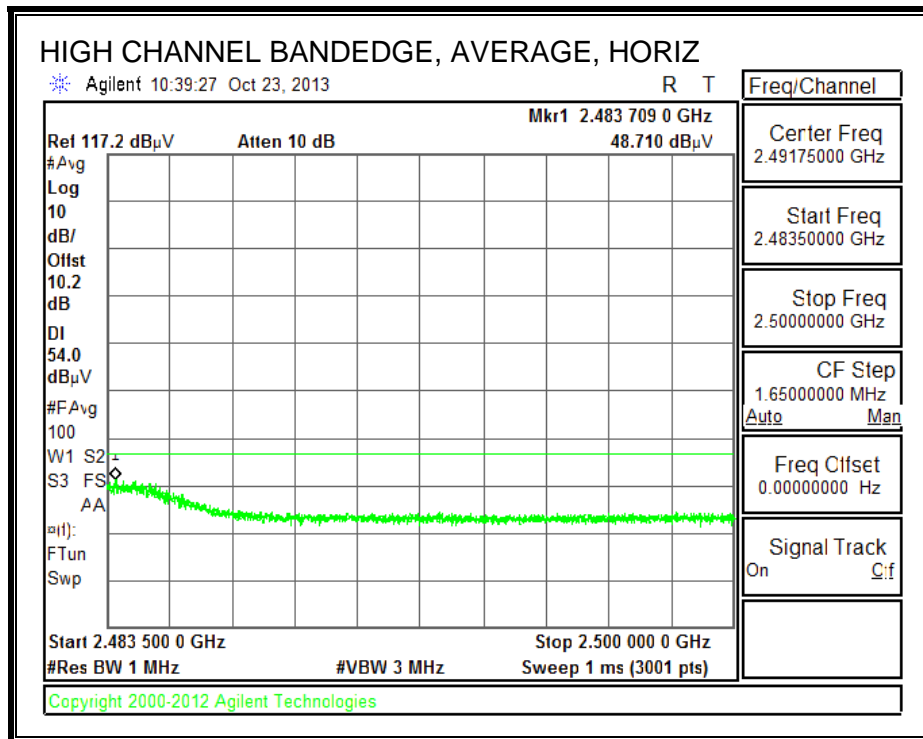
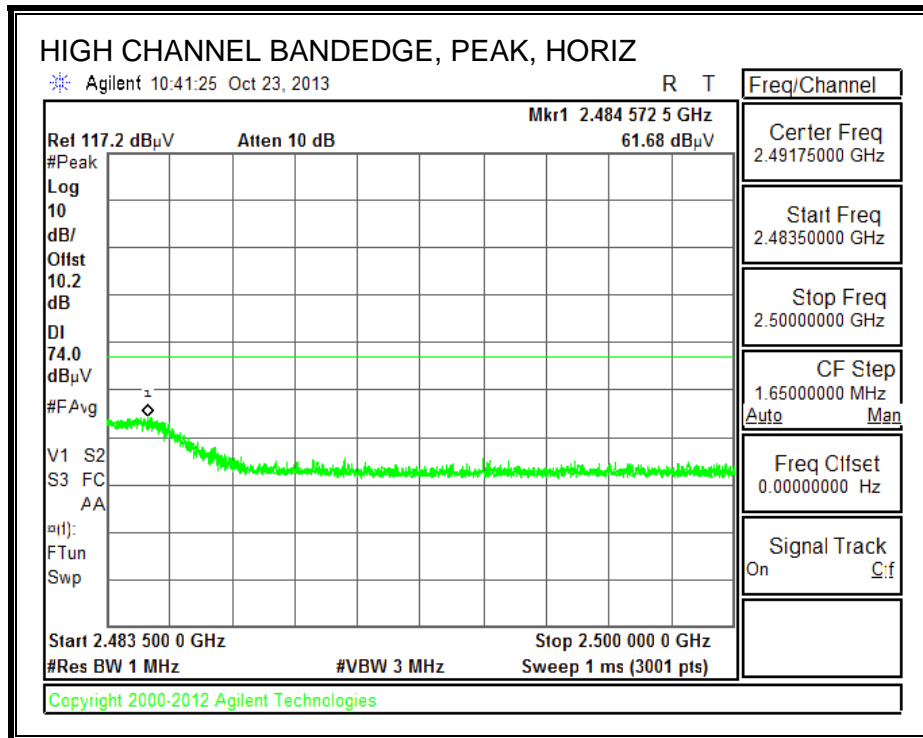


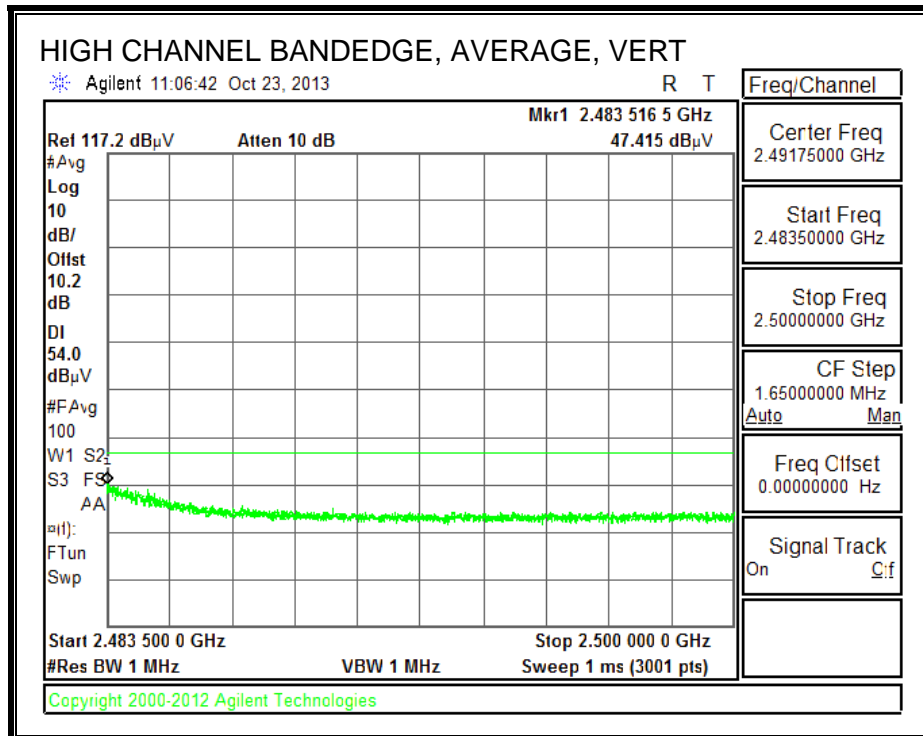
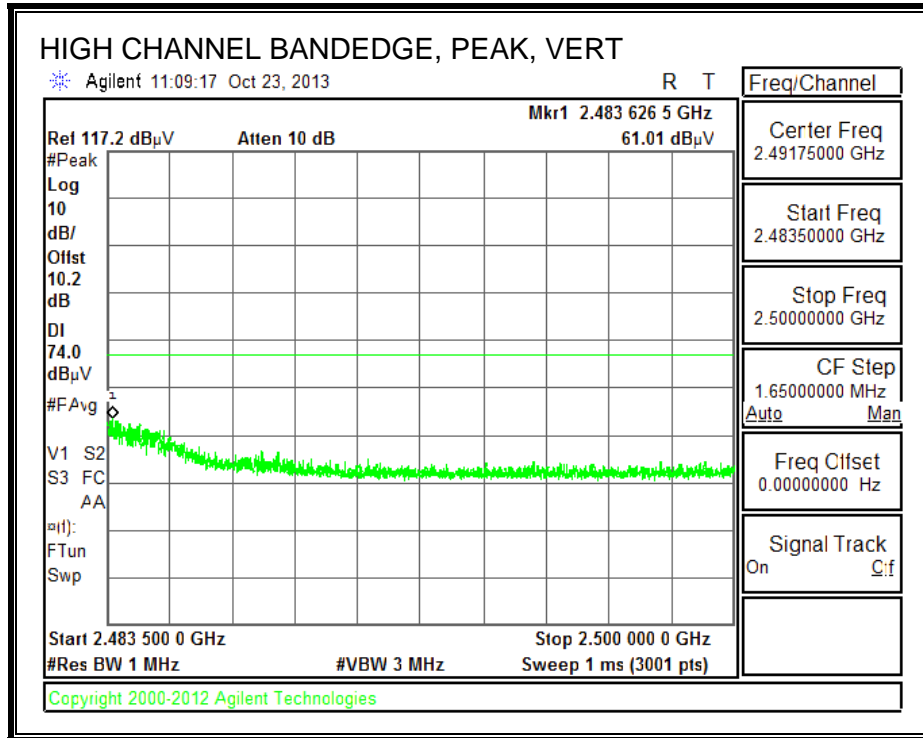
AUTHORIZED BANDEDGE (HIGH CHANNEL 10, 2457 MHz)





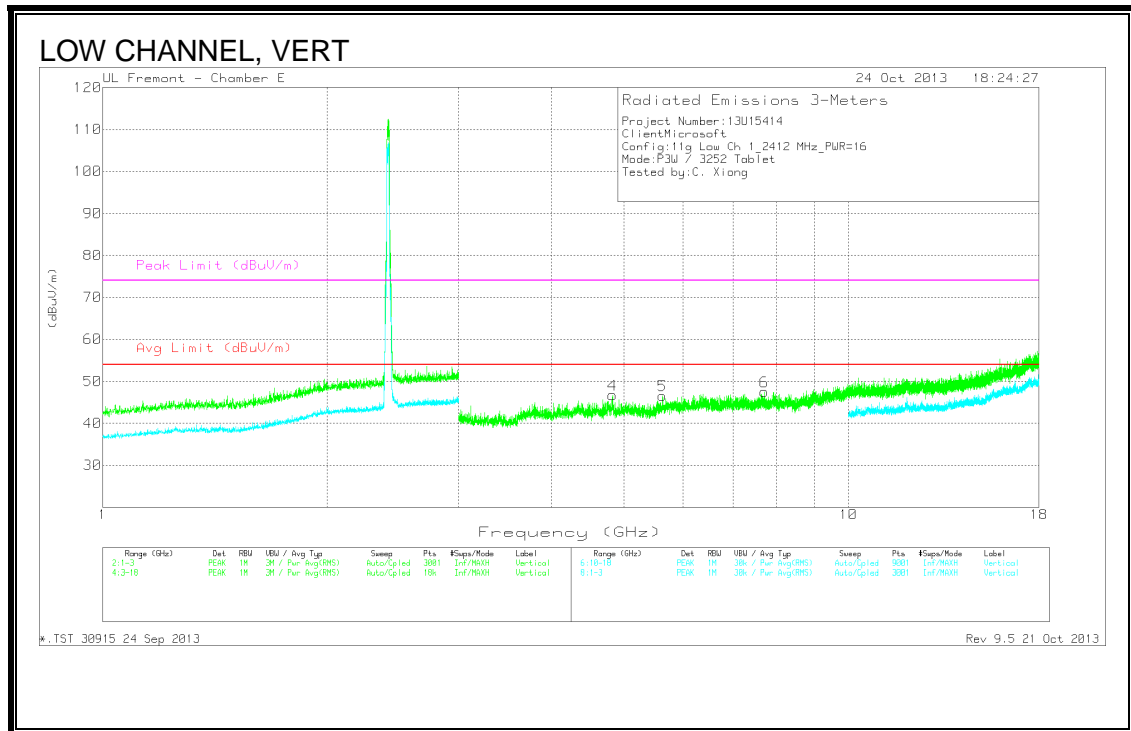
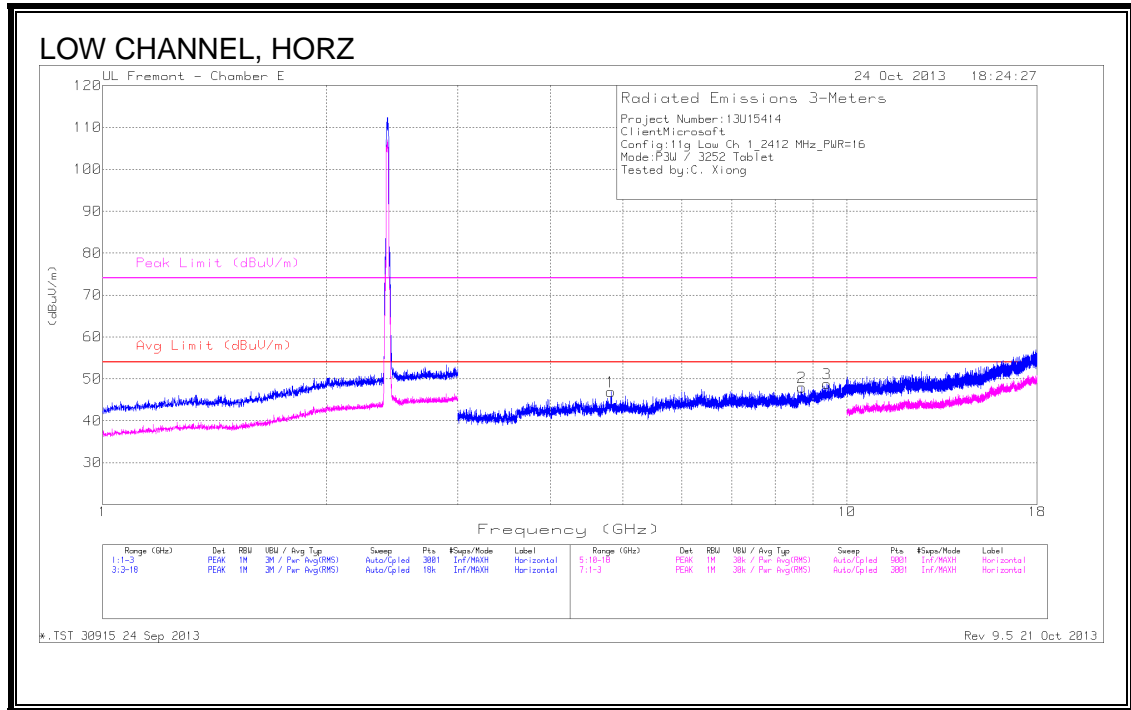
AUTHORIZED BANDEDGE (HIGH CHANNEL 11, 2462 MHz)





HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 1, 2412 MHz



LOW Channel DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.817	43.62	PK	34.4	-31.1	46.92	53.97	-7.05	74	-27.08	0-360	100	H
2	8.698	36.87	PK	36.5	-25.4	47.97	53.97	-6	74	-26.03	0-360	100	H
3	* 9.392	36.77	PK	37.3	-25.2	48.87	53.97	-5.1	74	-25.13	0-360	199	H
4	* 4.827	43.55	PK	34.4	-31.2	46.75	53.97	-7.22	74	-27.25	0-360	100	V
5	5.628	41.4	PK	35.1	-29.9	46.6	53.97	-7.37	74	-27.4	0-360	200	V
6	* 7.711	39.15	PK	36.2	-27.8	47.55	53.97	-6.42	74	-26.45	0-360	100	V

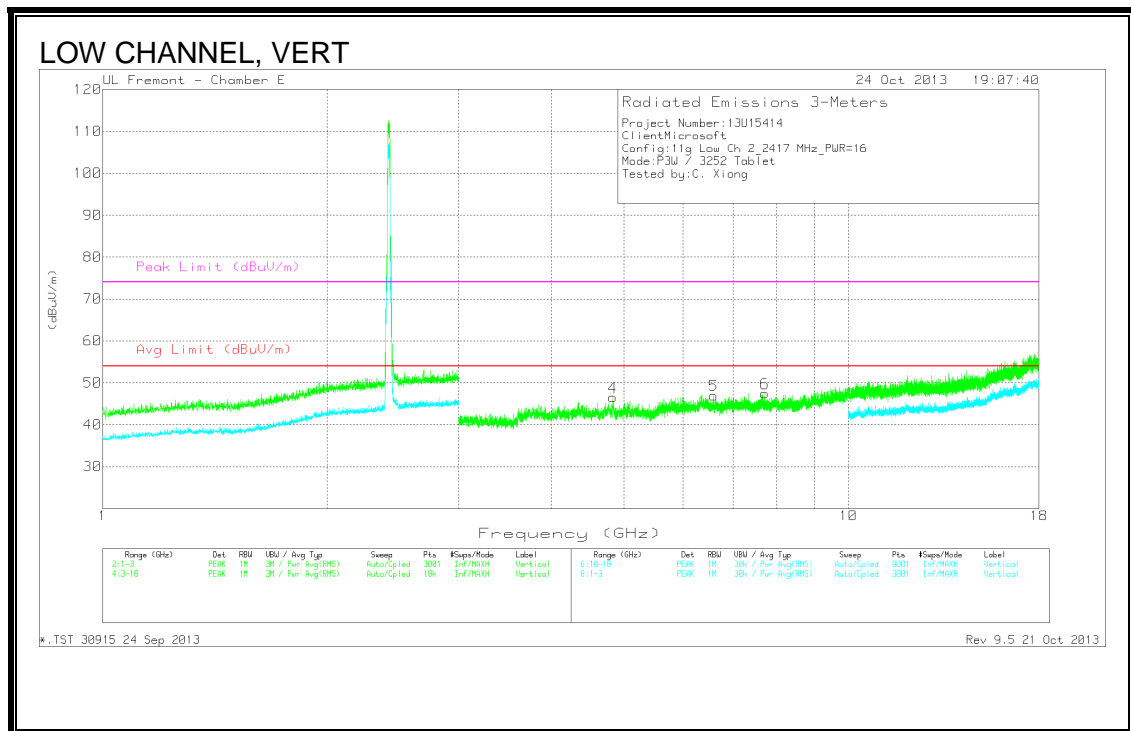
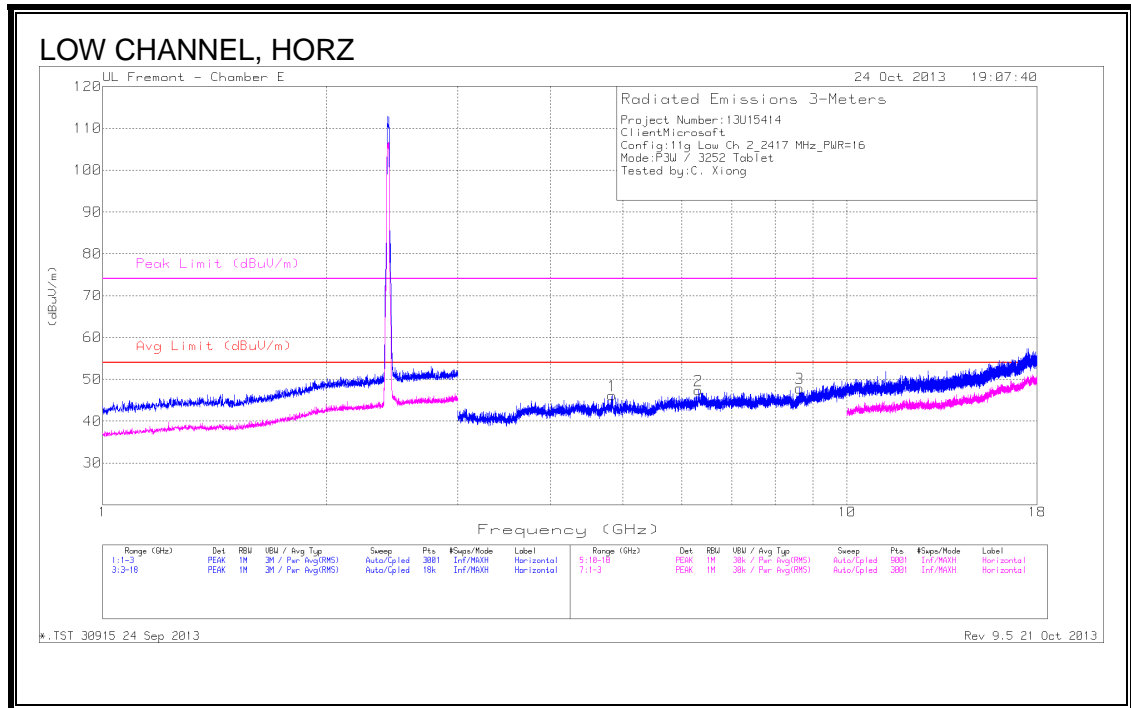
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 9.401	26.27	MAv1	37.3	-25.4	38.17	53.97	-15.8	74	-35.83	112	237	H

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

PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

LOW CHANNEL 2, 2417 MHz



LOW Channel 2 DATA

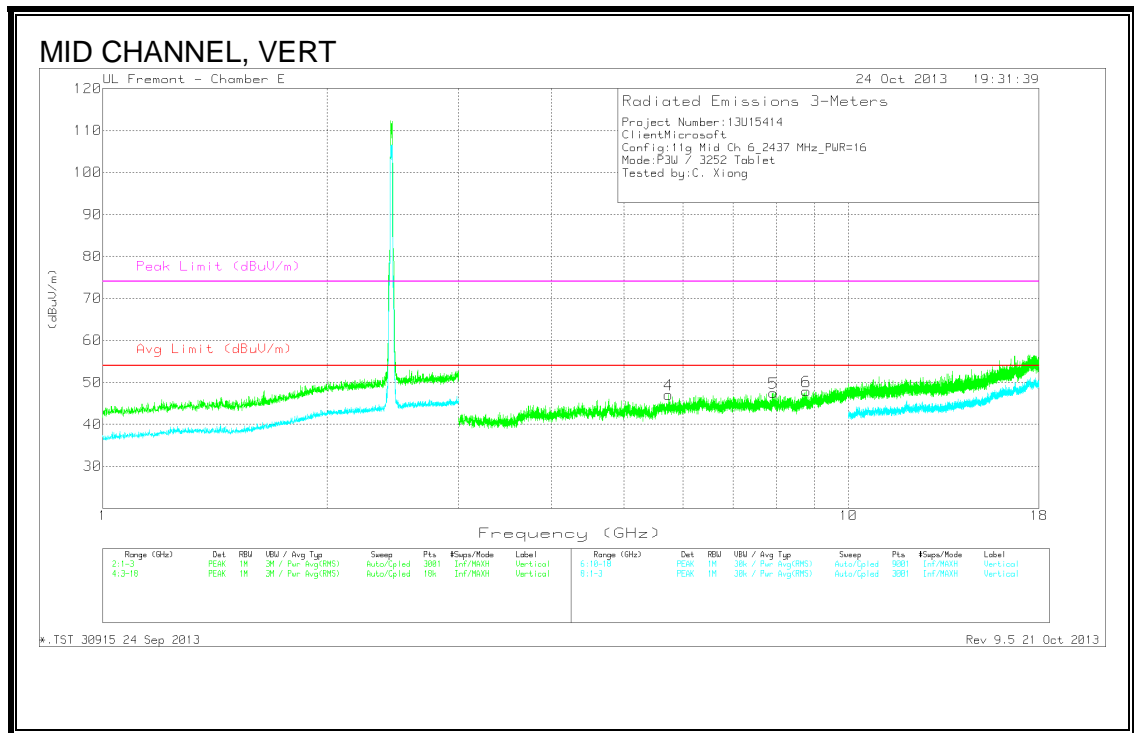
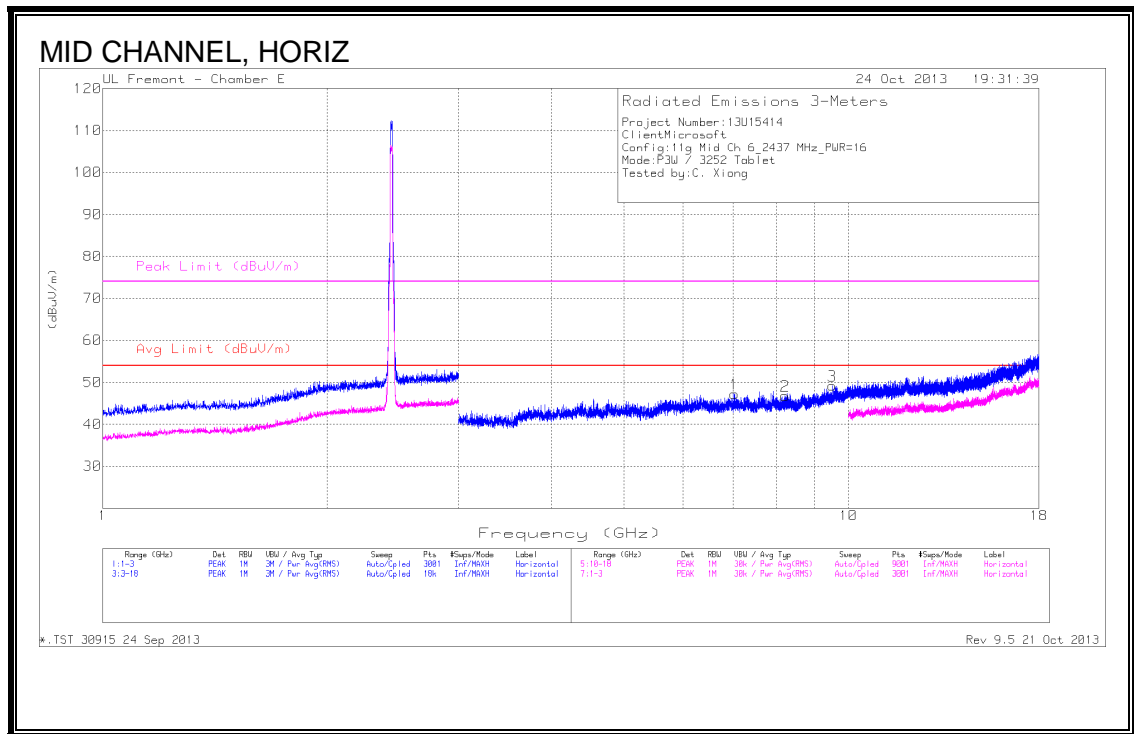
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.835	42.98	PK	34.4	-31.2	46.18	53.97	-7.79	74	-27.82	0-360	100	H
2	6.316	40.04	PK	35.9	-28.6	47.34	53.97	-6.63	74	-26.66	0-360	199	H
3	8.636	37.23	PK	36.4	-25.8	47.83	53.97	-6.14	74	-26.17	0-360	199	H
4	* 4.832	43.34	PK	34.4	-31.2	46.54	53.97	-7.43	74	-27.46	0-360	100	V
5	6.595	40	PK	35.8	-28.8	47	53.97	-6.97	74	-27	0-360	199	V
6	* 7.722	39.11	PK	36.2	-27.8	47.51	53.97	-6.46	74	-26.49	0-360	100	V

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

PK - Peak detector

MID CHANNEL, 2437 MHz



MID Channel DATA

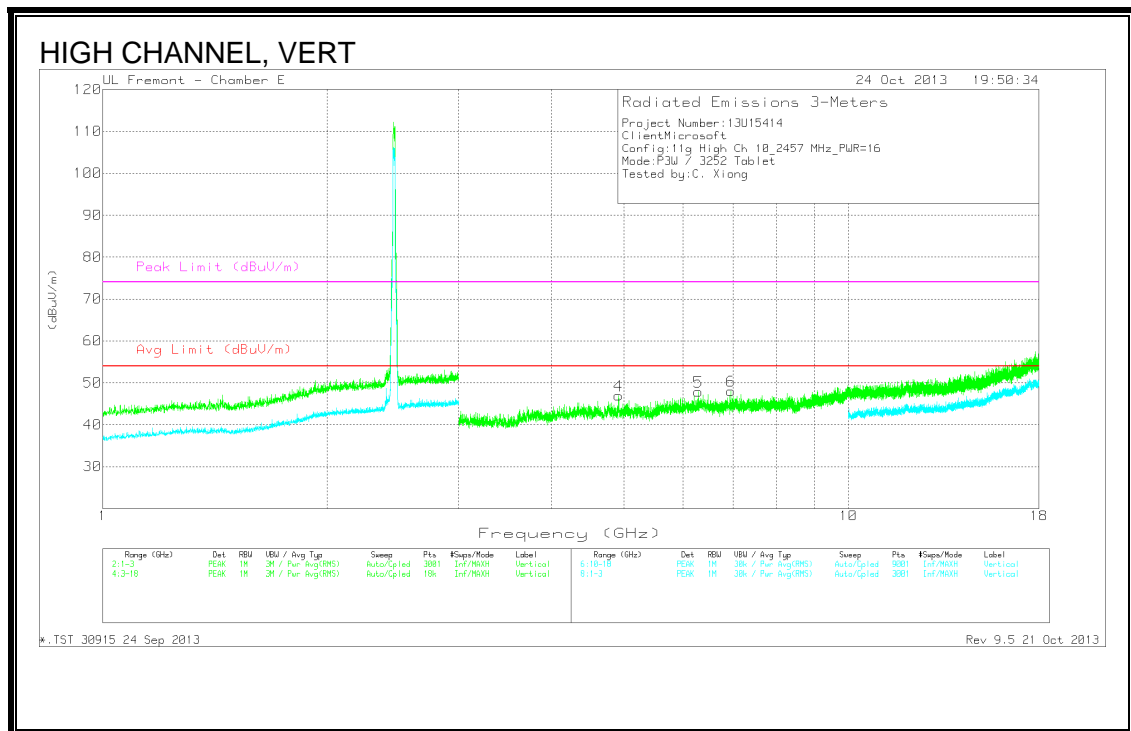
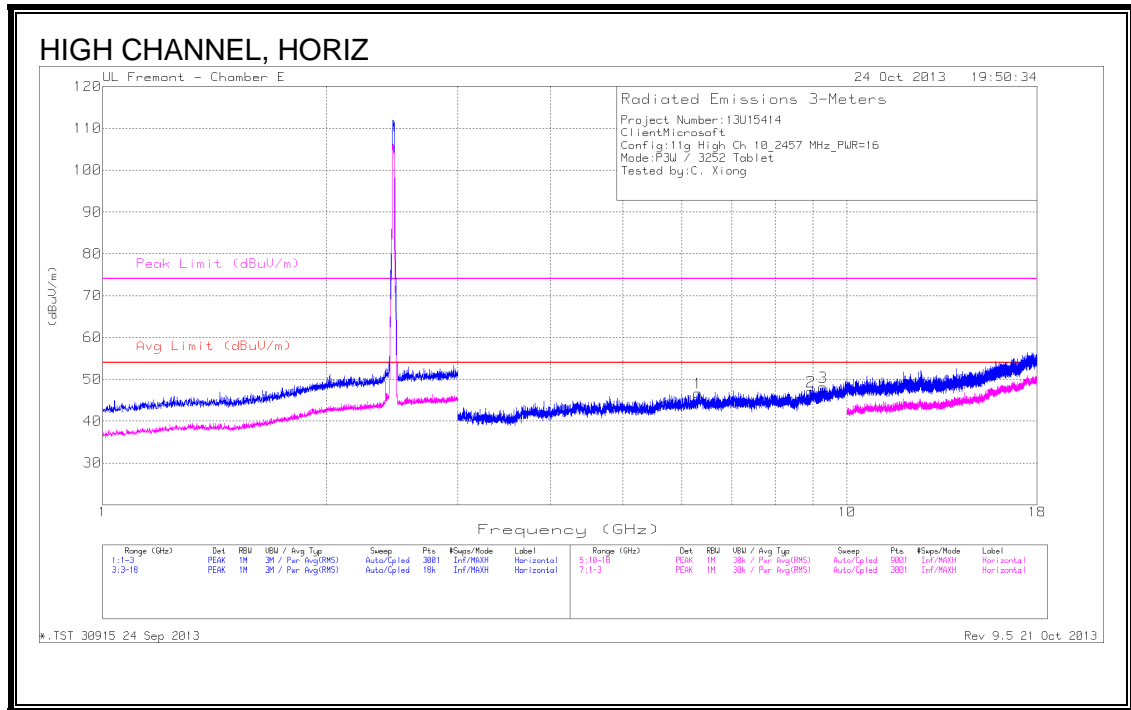
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.032	38.97	PK	36	-27.7	47.27	53.97	-6.7	74	-26.73	0-360	100	H
2	* 8.221	38.07	PK	36.2	-27.5	46.77	53.97	-7.2	74	-27.23	0-360	100	H
3	9.511	37.99	PK	37.5	-26.3	49.19	53.97	-4.78	74	-24.81	0-360	100	H
4	5.739	41.54	PK	35.4	-29.9	47.04	53.97	-6.93	74	-26.96	0-360	100	V
5	7.93	37.86	PK	36.2	-26.6	47.46	53.97	-6.51	74	-26.54	0-360	100	V
6	8.78	38.57	PK	36.6	-27.3	47.87	53.97	-6.1	74	-26.13	0-360	199	V

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

PK - Peak detector

HIGH CHANNEL 10, 2457 MHz



HIGH CHANNEL 10 DATA

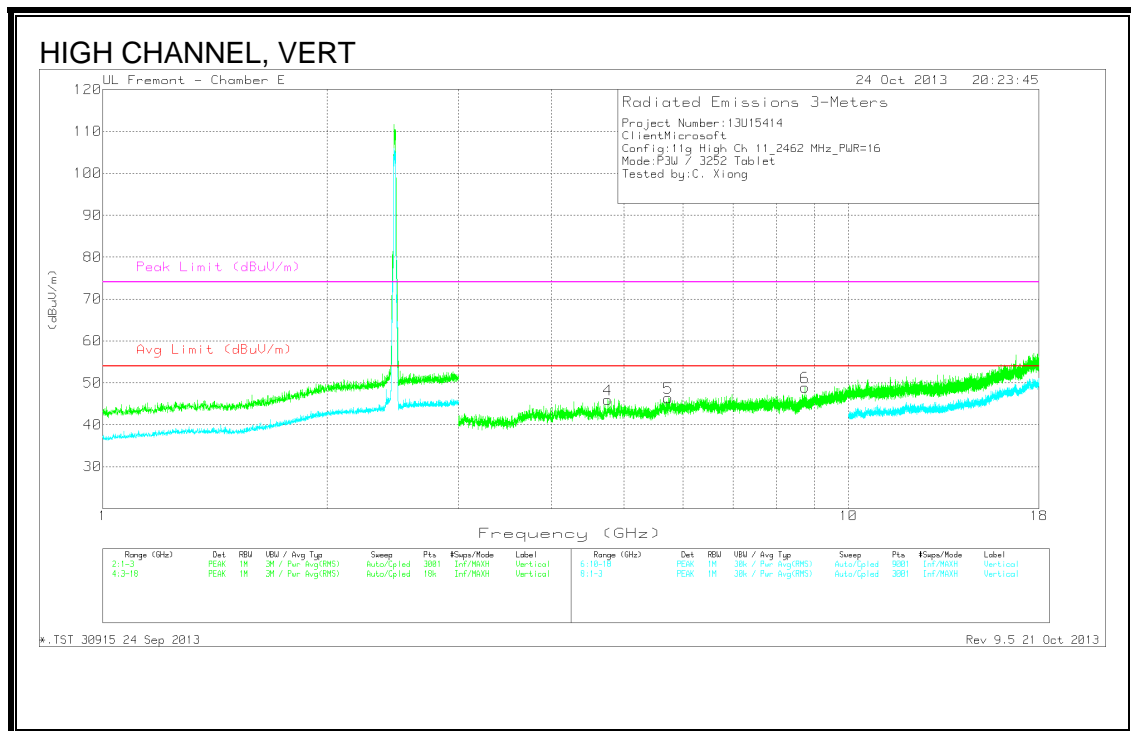
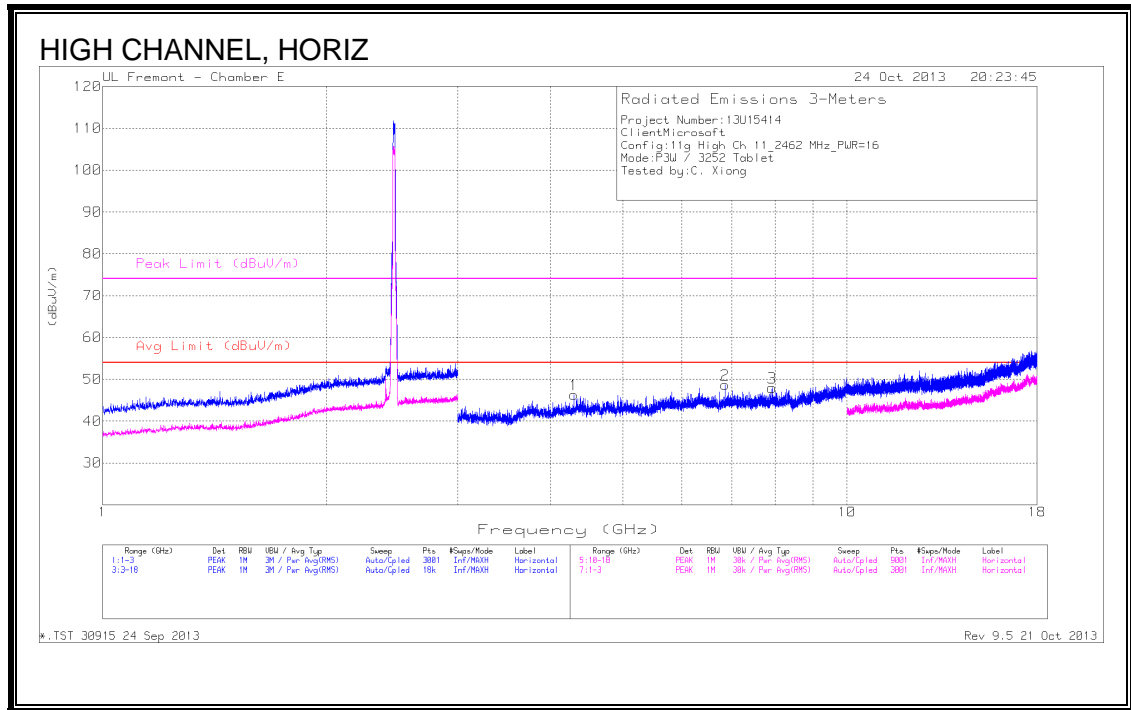
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.308	39.74	PK	35.9	-28.9	46.74	53.97	-7.23	74	-27.26	0-360	101	H
2	8.946	36.29	PK	36.8	-26	47.09	53.97	-6.88	74	-26.91	0-360	101	H
3	9.283	35.8	PK	37.2	-24.9	48.1	53.97	-5.87	74	-25.9	0-360	101	H
4	* 4.917	43.36	PK	34.4	-30.8	46.96	53.97	-7.01	74	-27.04	0-360	200	V
5	6.29	41.16	PK	35.9	-29.2	47.86	53.97	-6.11	74	-26.14	0-360	200	V
6	6.954	40.47	PK	36	-28.4	48.07	53.97	-5.9	74	-25.93	0-360	100	V

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

PK - Peak detector

HIGH CHANNEL 11, 2462 MHz



HIGH CHANNEL 11 DATA

Radiated Emissions

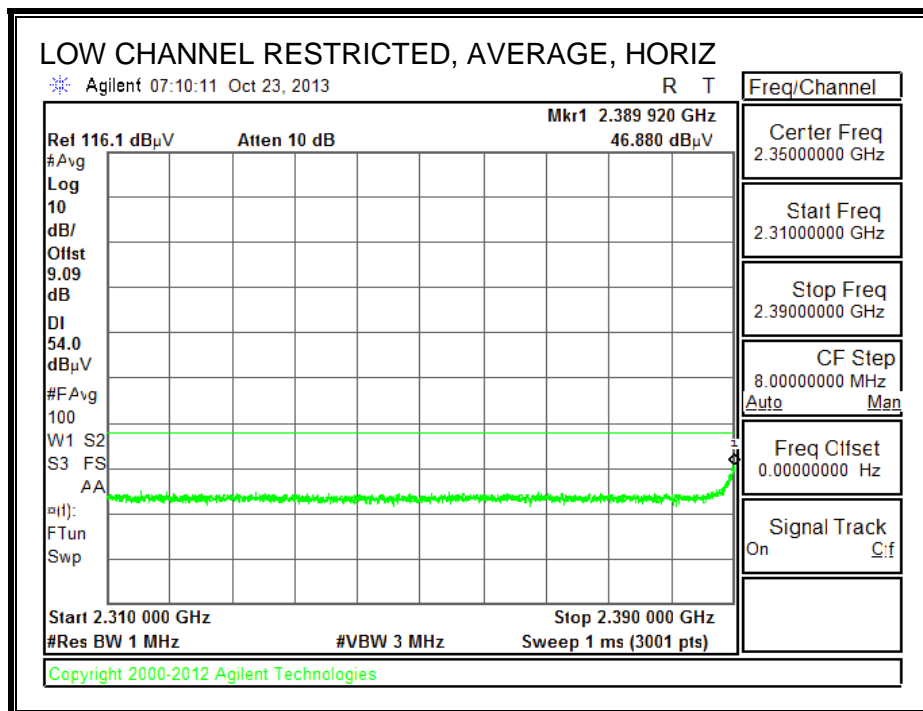
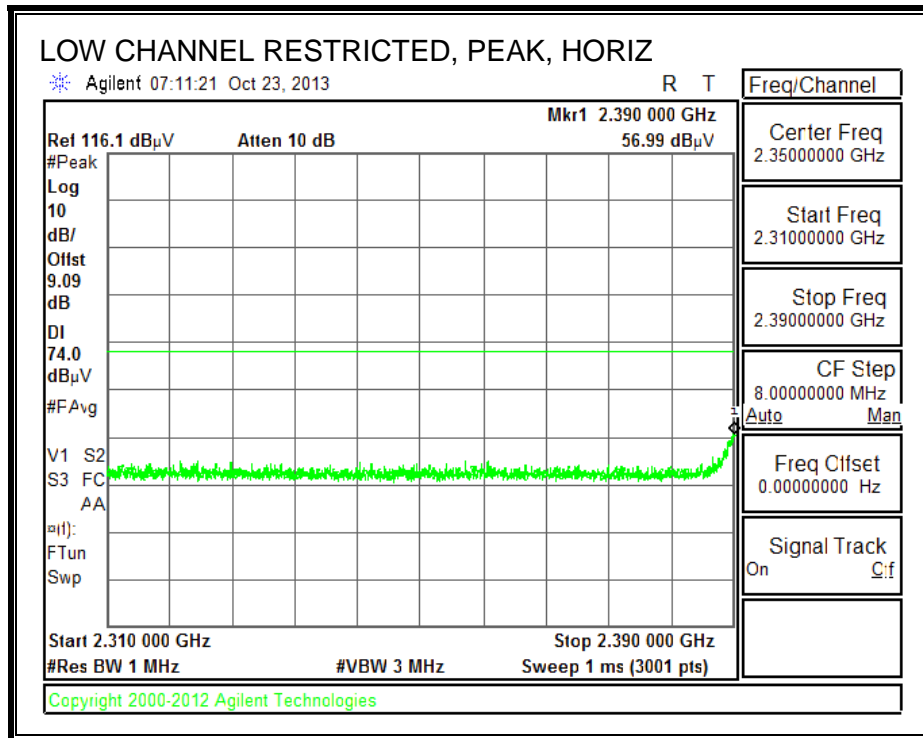
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.297	43.33	PK	34.1	-31.1	46.33	53.97	-7.64	74	-27.67	0-360	199	H
2	6.858	42.5	PK	35.9	-29.7	48.7	53.97	-5.27	74	-25.3	0-360	199	H
3	7.931	38.38	PK	36.2	-26.6	47.98	53.97	-5.99	74	-26.02	0-360	100	H
4	* 4.756	42.16	PK	34.4	-30.6	45.96	53.97	-8.01	74	-28.04	0-360	101	V
5	5.732	40.98	PK	35.4	-30	46.38	53.97	-7.59	74	-27.62	0-360	101	V
6	8.739	38.52	PK	36.6	-26.2	48.92	53.97	-5.05	74	-25.08	0-360	200	V

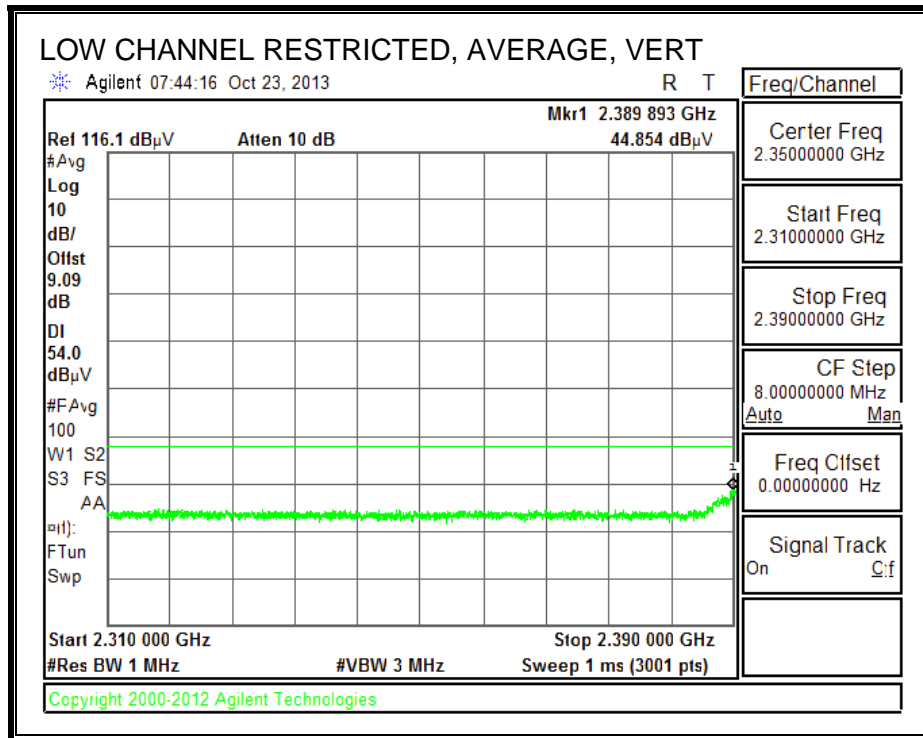
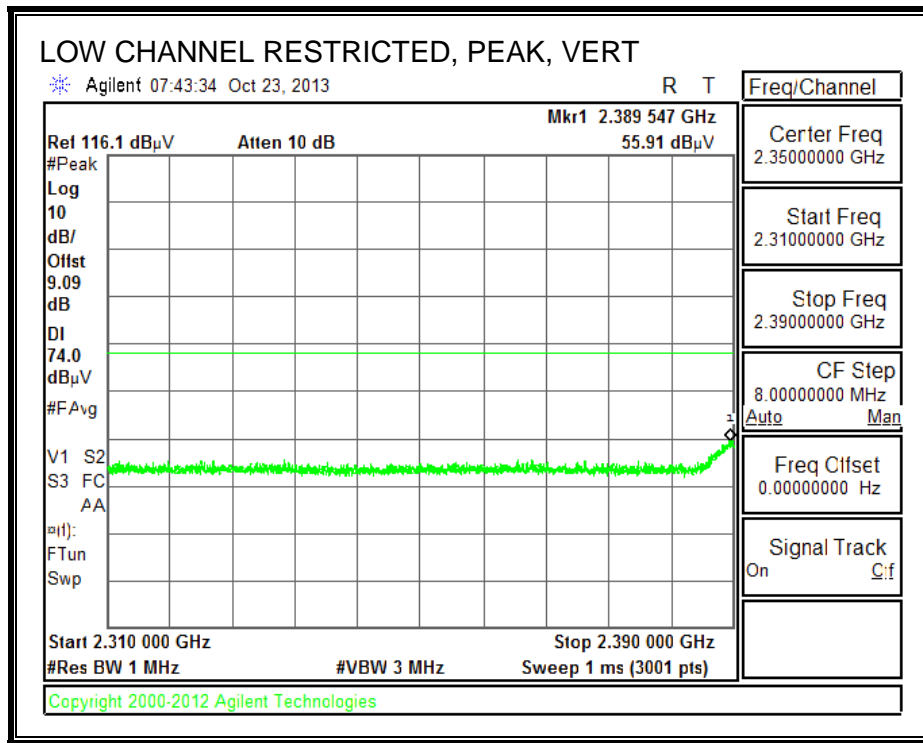
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

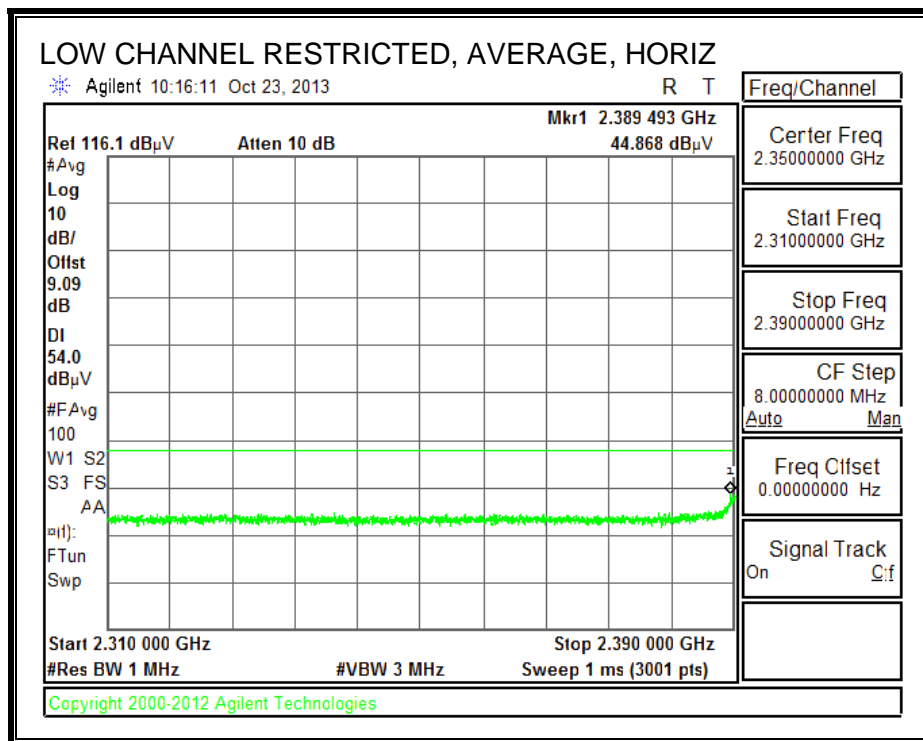
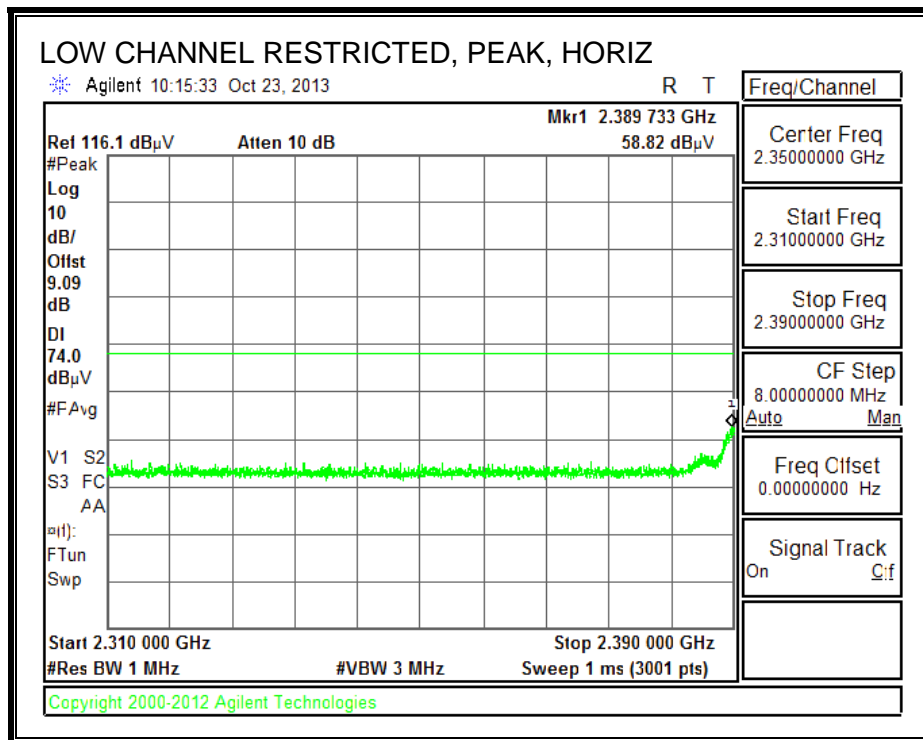
9.5. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

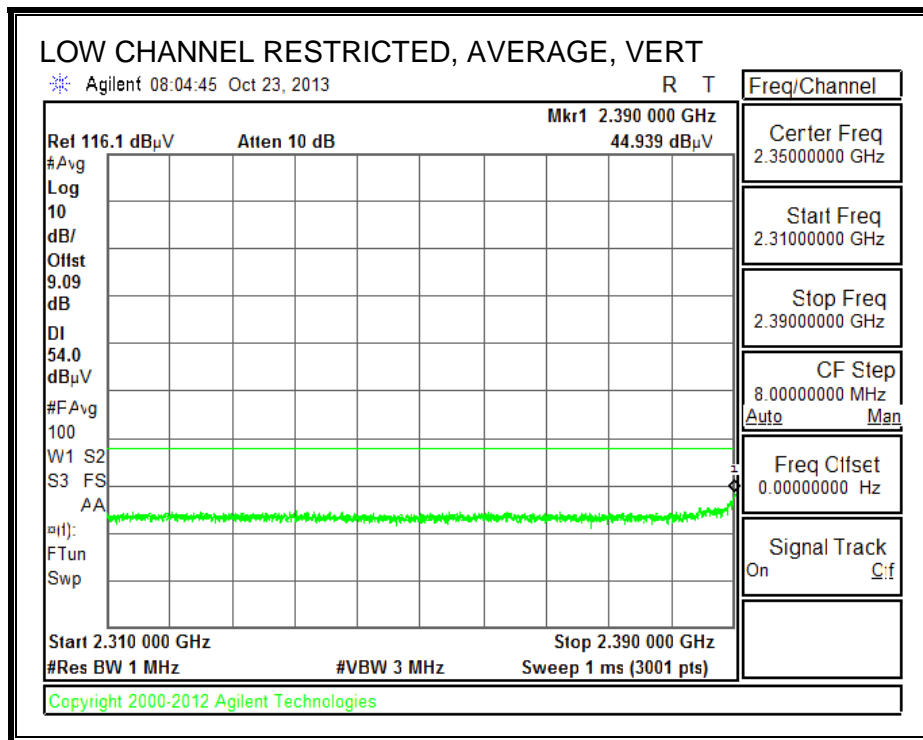
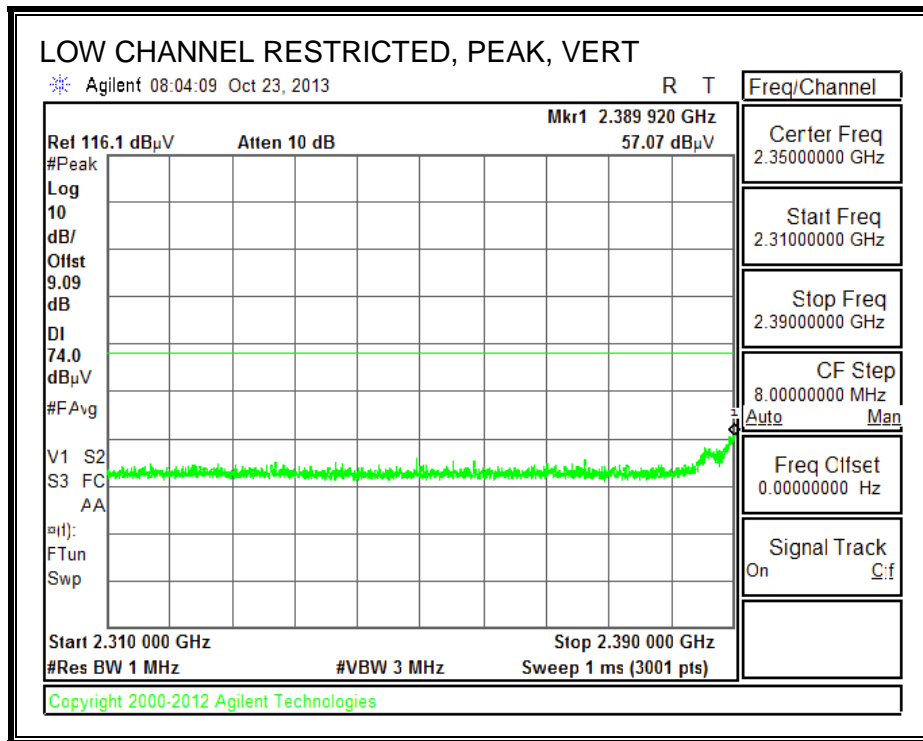
RESTRICTED BANDEDGE (LOW CHANNEL 1, 2412 MHz)



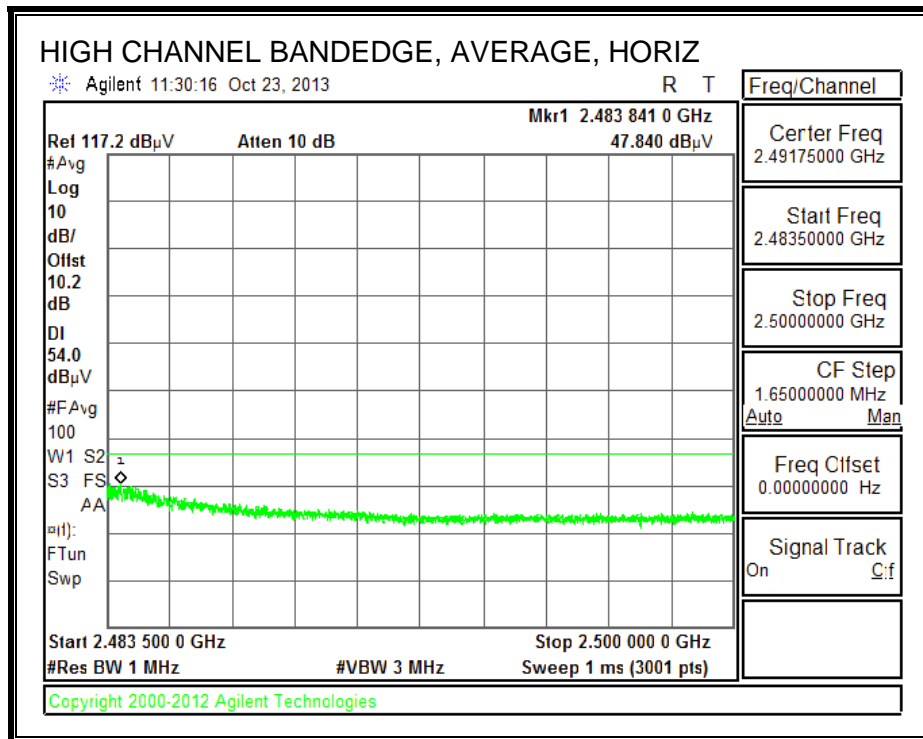
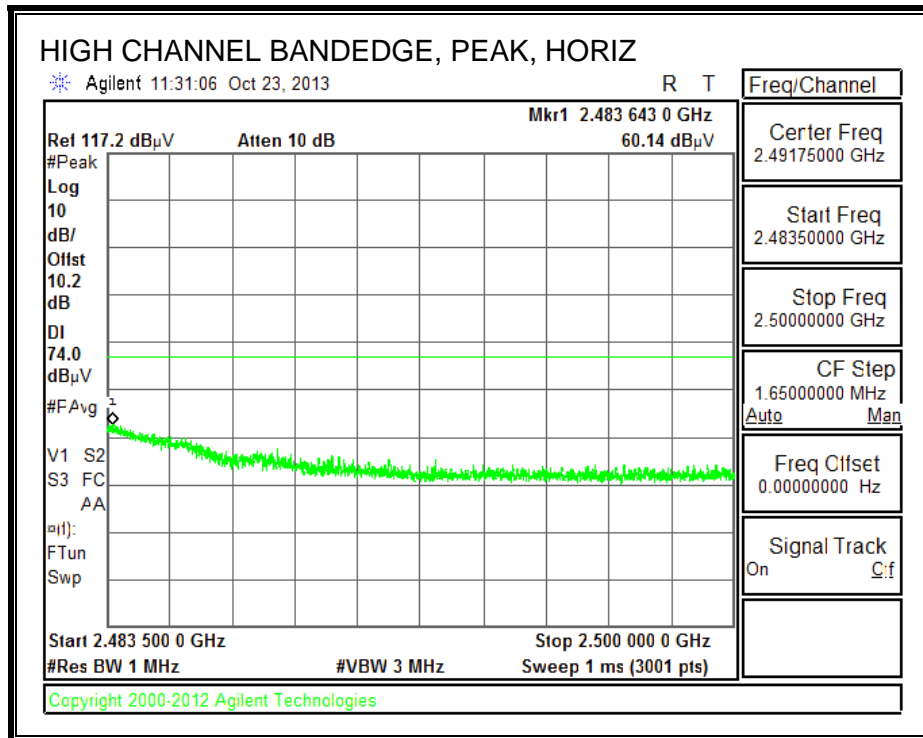


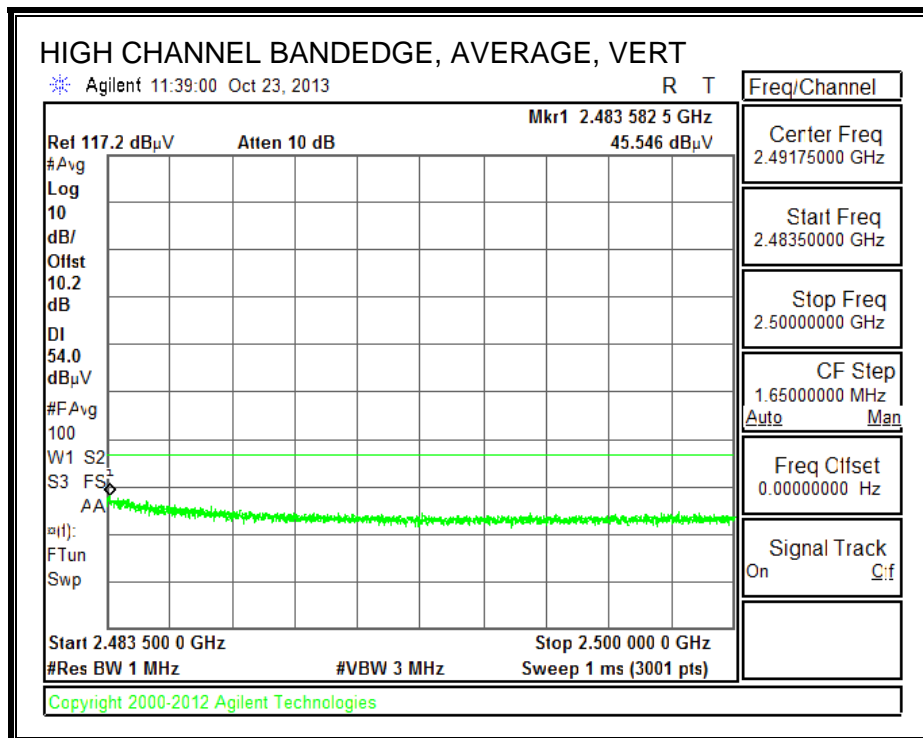
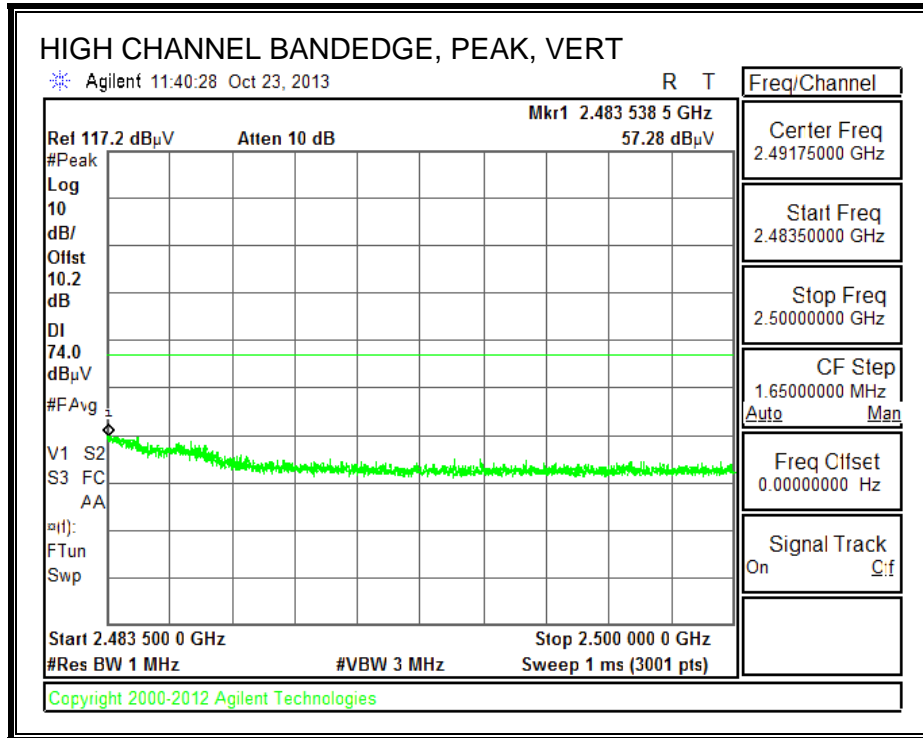
RESTRICTED BANDEDGE (LOW CHANNEL 2, 2417 MHz)



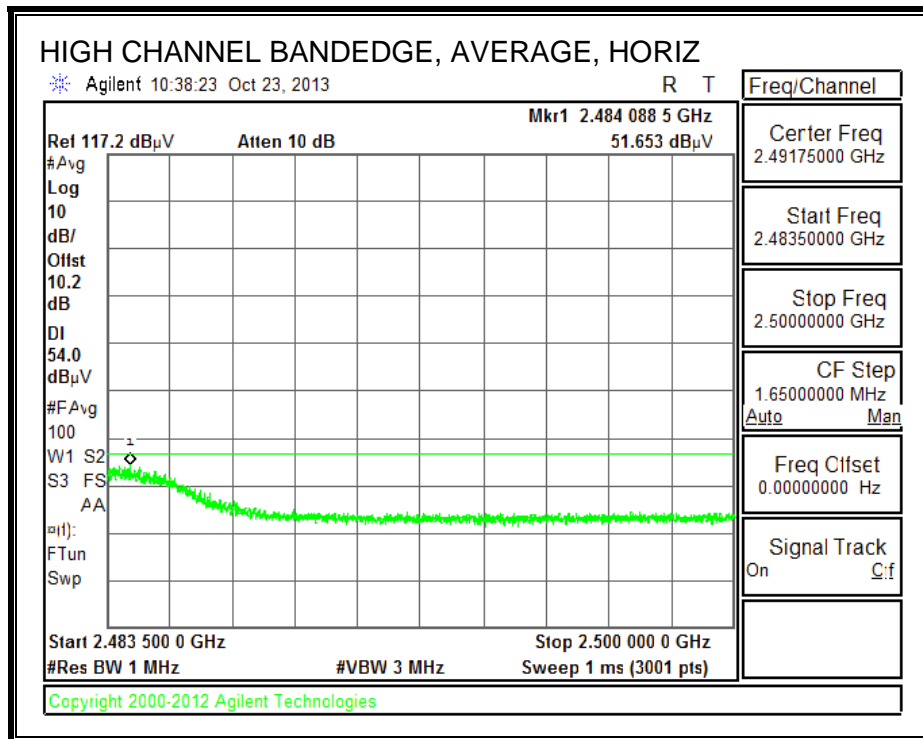
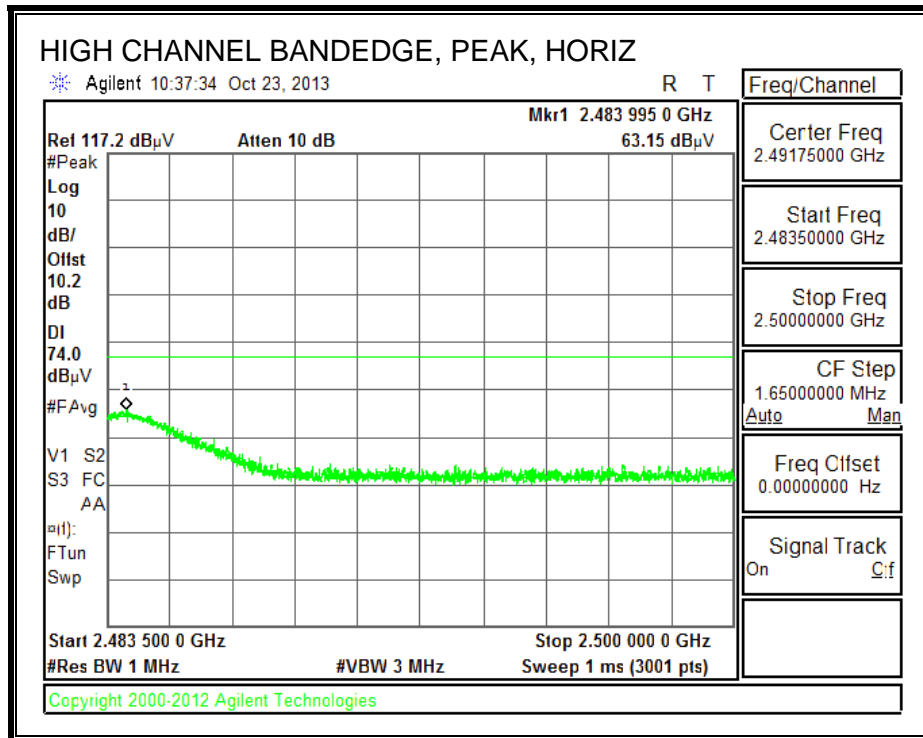


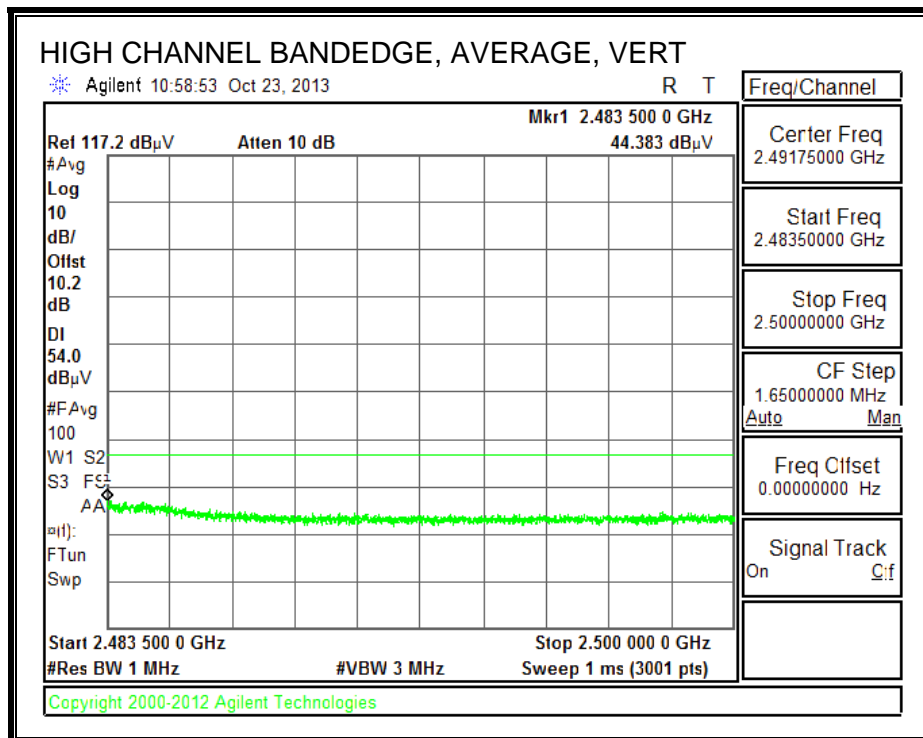
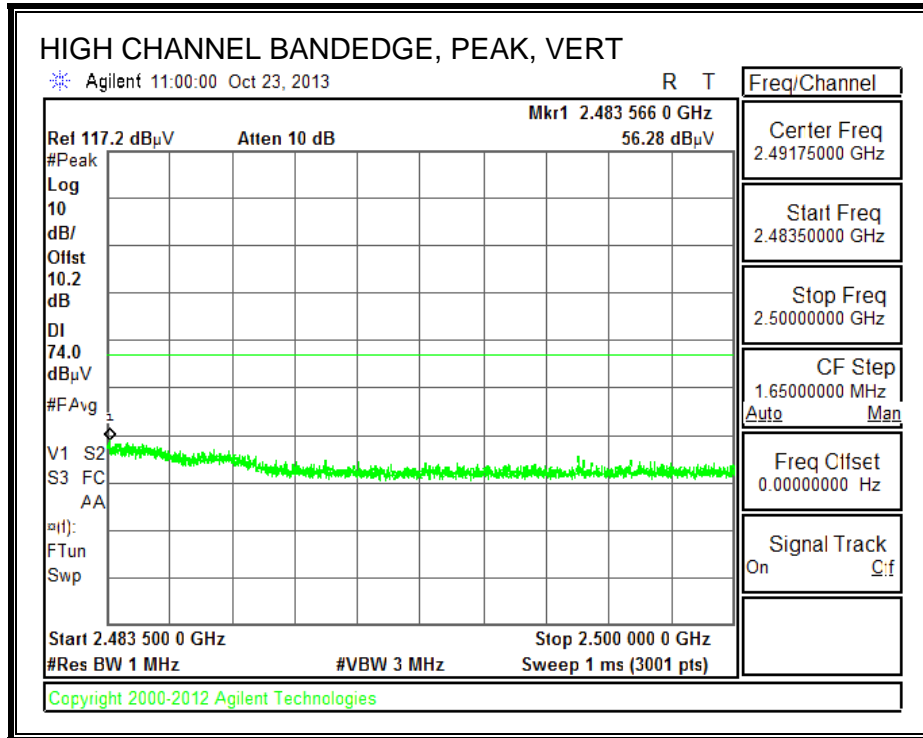
AUTHORIZED BANDEDGE (HIGH CHANNEL 10, 2457 MHz)





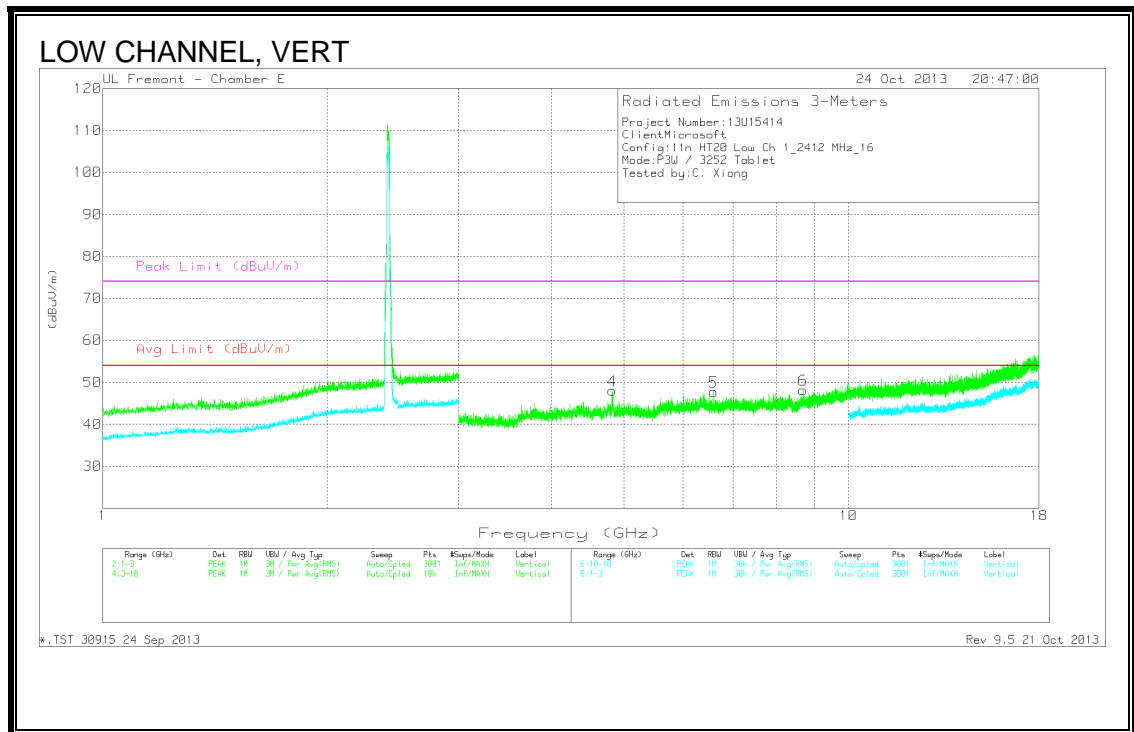
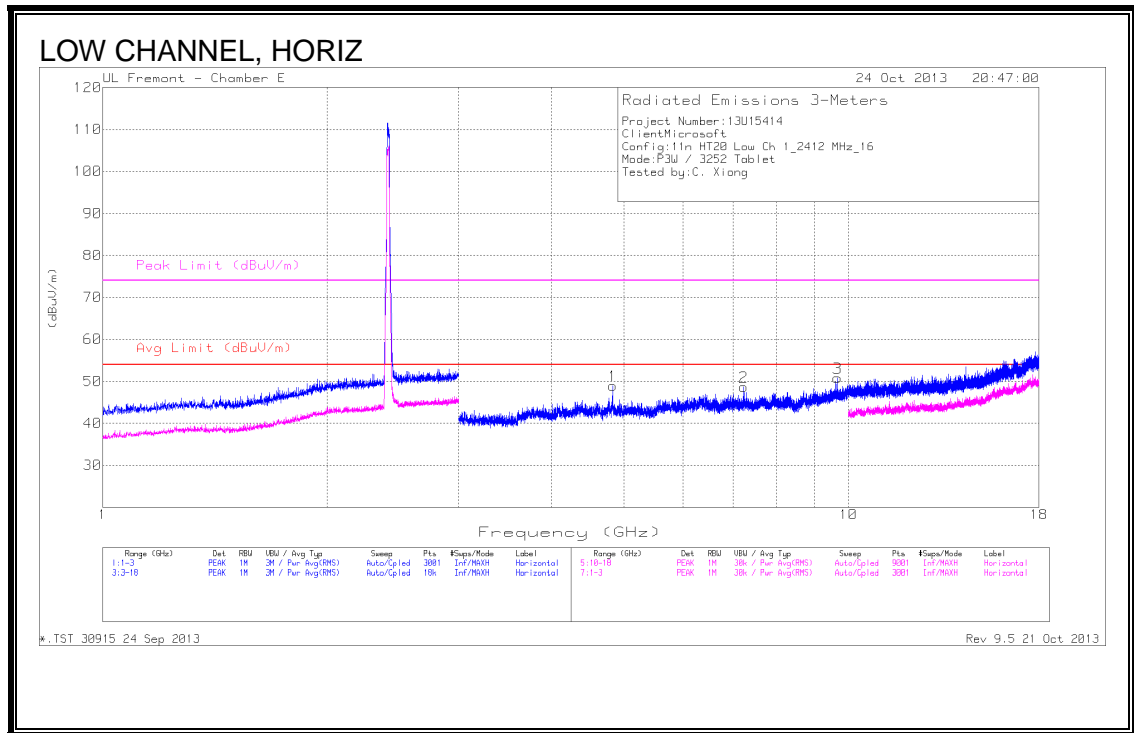
AUTHORIZED BANDEDGE (HIGH CHANNEL 11, 2462 MHz)





HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 1, 2412 MHz



LOW Channel 1 DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/3GHz z HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.829	45.78	PK	34.4	-31.2	48.98	53.97	-4.99	74	-25.02	0-360	100	H
2	7.238	41.27	PK	36	-28.6	48.67	53.97	-5.3	74	-25.33	0-360	199	H
3	9.663	37.6	PK	37.6	-24.4	50.8	53.97	-3.17	74	-23.2	0-360	199	H
4	* 4.822	44.79	PK	34.4	-31.2	47.99	53.97	-5.98	74	-26.01	0-360	100	V
5	6.596	40.71	PK	35.8	-28.8	47.71	53.97	-6.26	74	-26.29	0-360	100	V
6	8.691	36.98	PK	36.5	-25.3	48.18	53.97	-5.79	74	-25.82	0-360	100	V

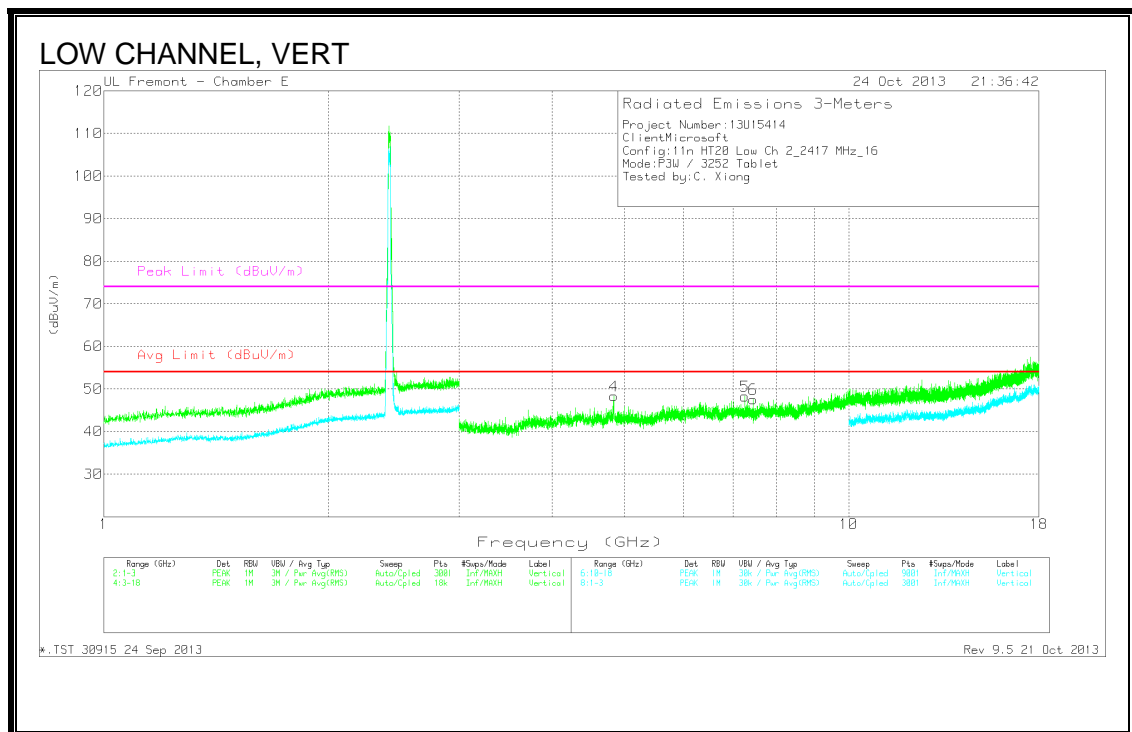
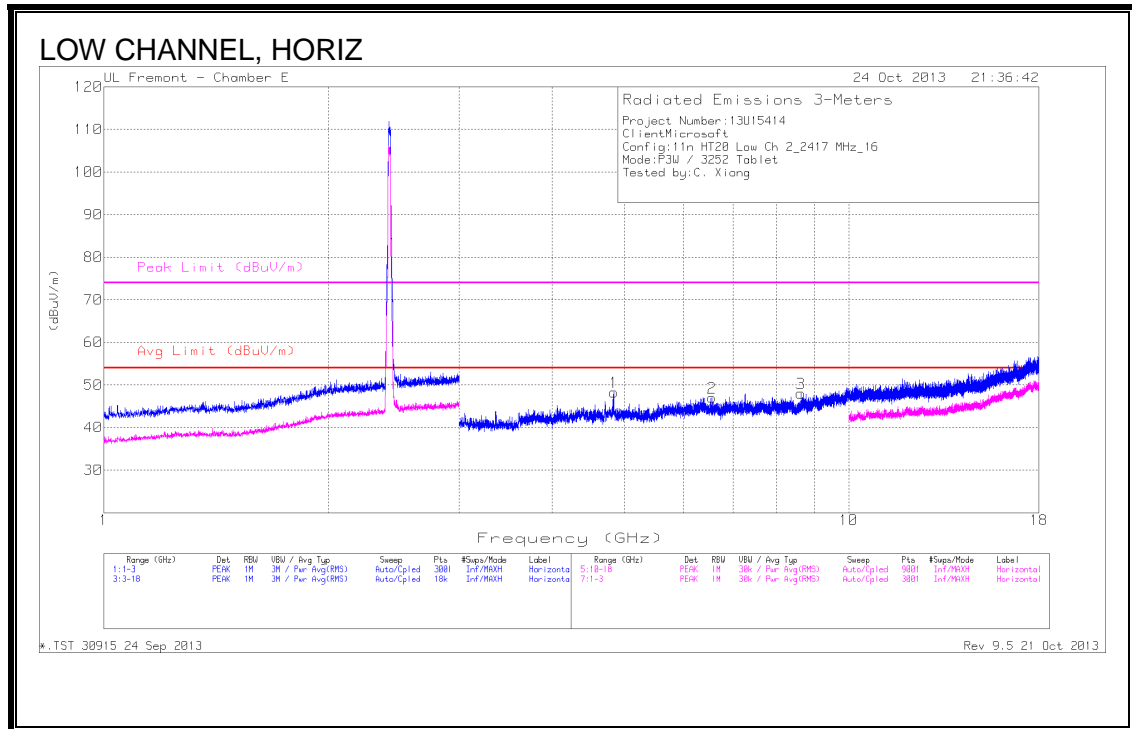
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.819	31.71	MAv1	34.4	-31.1	35.01	53.97	-18.96	-	-	174	360	H
* 4.832	33.75	MAv1	34.4	-31.2	36.95	53.97	-17.02	-	-	263	254	V

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

PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

LOW CHANNEL 2, 2417 MHz



LOW Channel 2 DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.839	45.1	PK	34.4	-31.2	48.3	53.97	-5.67	74	-25.7	0-360	199	H
2	6.554	41.32	PK	35.8	-30.1	47.02	53.97	-6.95	74	-26.98	0-360	100	H
3	8.622	37.61	PK	36.4	-26	48.01	53.97	-5.96	74	-25.99	0-360	199	H
4	* 4.839	45.14	PK	34.4	-31.2	48.34	53.97	-5.63	74	-25.66	0-360	100	V
5	* 7.253	40.99	PK	36	-28.7	48.29	53.97	-5.68	74	-25.71	0-360	200	V
6	* 7.442	40.28	PK	36.1	-28.8	47.58	53.97	-6.39	74	-26.42	0-360	100	V

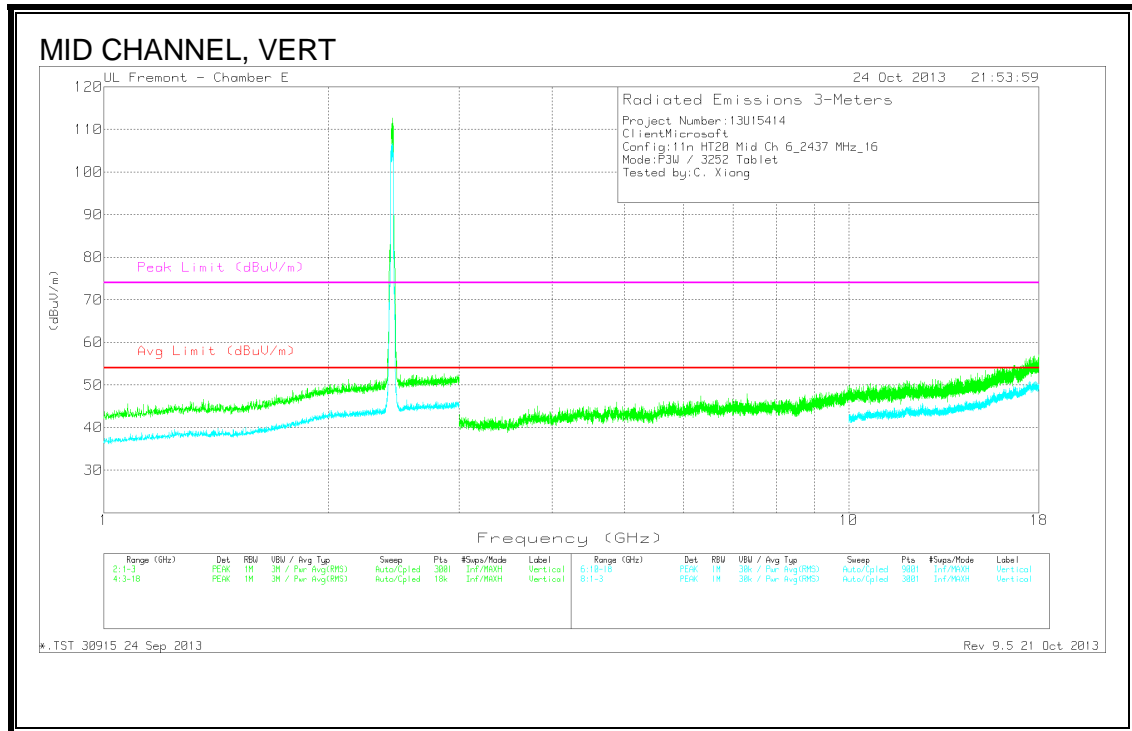
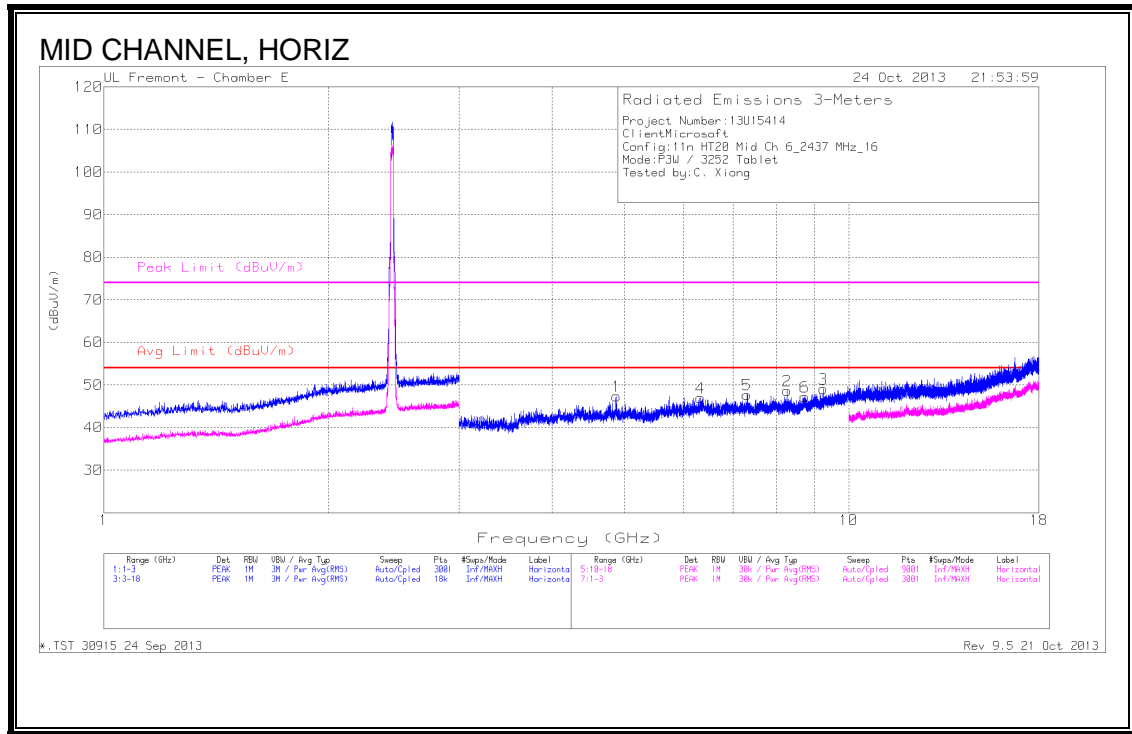
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.838	34.67	MAv1	34.4	-31.2	37.87	53.97	-16.1	-	-	147	168	H
* 4.838	36.02	MAv1	34.4	-31.2	39.22	53.97	-14.75	-	-	50	339	V
* 7.259	31.45	MAv1	36	-28.8	38.65	53.97	-15.32	-	-	276	235	V

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

PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, 2437 MHz



MID Channel DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.879	44.04	PK	34.4	-31.1	47.34	53.97	-6.63	74	-26.66	0-360	199	H
2	* 8.269	39.16	PK	36.2	-26.7	48.66	53.97	-5.31	74	-25.34	0-360	100	H
3	9.248	37.4	PK	37.1	-25.4	49.1	53.97	-4.87	74	-24.9	0-360	100	H
4	6.323	39.37	PK	35.9	-28.3	46.97	53.97	-7	74	-27.03	0-360	100	H
5	* 7.301	40.02	PK	36	-28.3	47.72	53.97	-6.25	74	-26.28	0-360	100	H
6	8.731	36.76	PK	36.6	-26.1	47.26	53.97	-6.71	74	-26.74	0-360	199	H

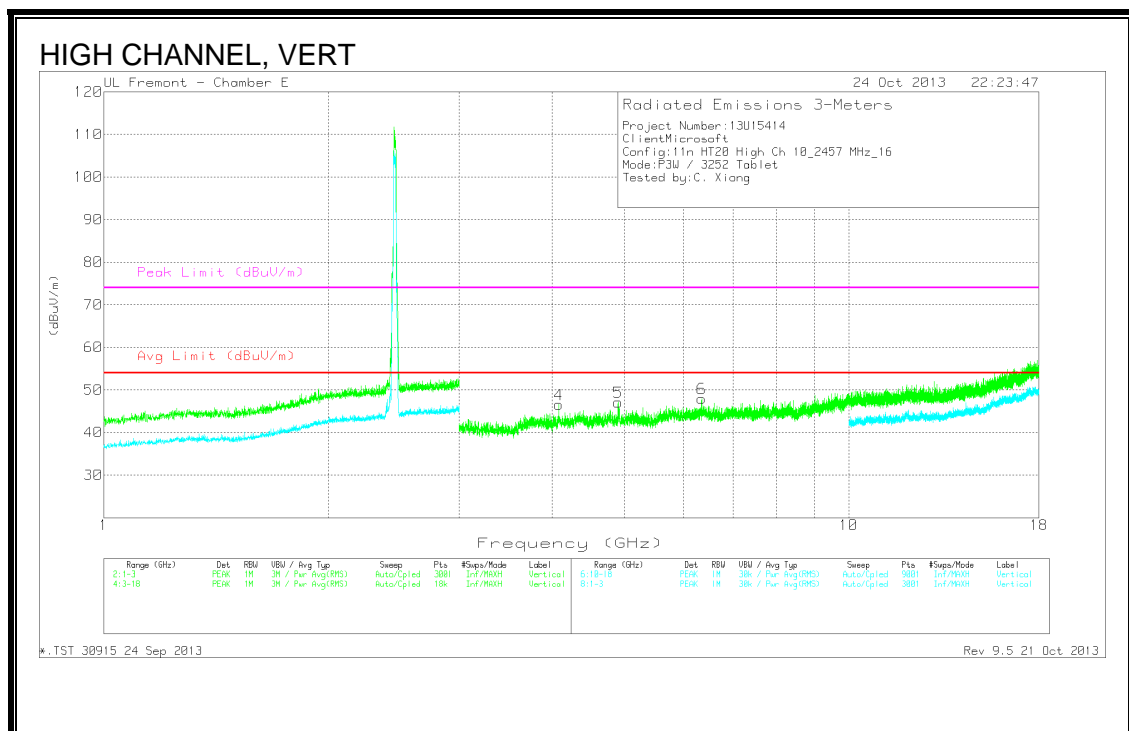
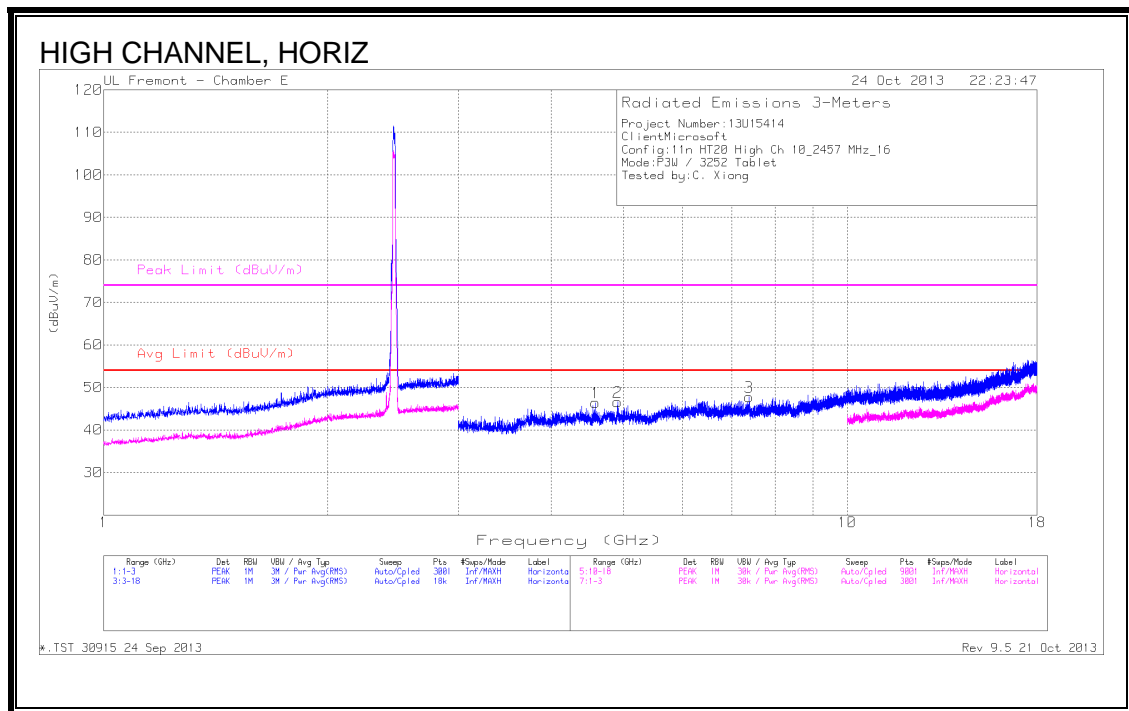
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 8.261	27.66	MAv1	36.2	-26.7	37.16	53.97	-16.81	-	-	208	134	H

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

PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL 10, 2457 MHz



HIGH CHANNEL DATA

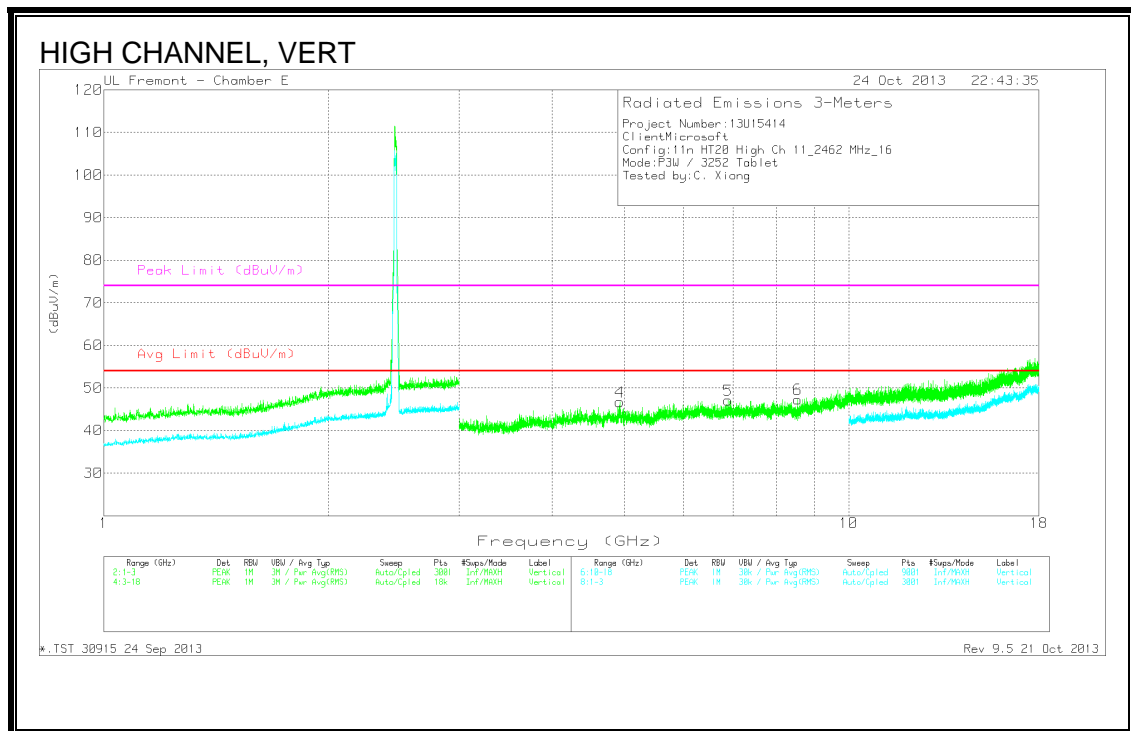
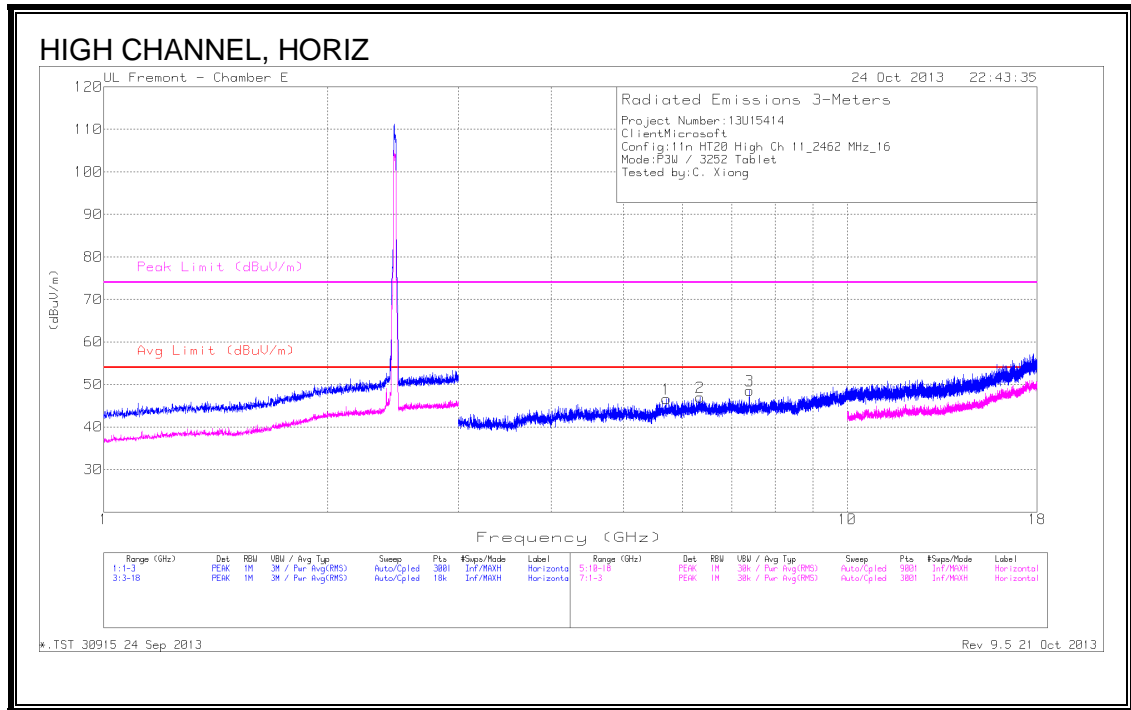
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.587	43.13	PK	34.3	-31	46.43	53.97	-7.54	74	-27.57	0-360	199	H
2	* 4.913	42.99	PK	34.4	-30.8	46.59	53.97	-7.38	74	-27.41	0-360	199	H
3	* 7.379	39.36	PK	36.1	-27.7	47.76	53.97	-6.21	74	-26.24	0-360	199	H
4	* 4.082	42.78	PK	33.9	-30.1	46.58	53.97	-7.39	74	-27.42	0-360	101	V
5	* 4.903	43.51	PK	34.4	-30.8	47.11	53.97	-6.86	74	-26.89	0-360	101	V
6	6.349	40.17	PK	35.9	-28.1	47.97	53.97	-6	74	-26.03	0-360	199	V

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

PK - Peak detector

HIGH CHANNEL 11, 2462 MHz



HIGH CHANNEL DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.713	41.31	PK	35.3	-30	46.61	53.97	-7.36	74	-27.39	0-360	199	H
2	6.341	39.17	PK	35.9	-28.1	46.97	53.97	-7	74	-27.03	0-360	199	H
3	* 7.394	40.07	PK	36.1	-27.6	48.57	53.97	-5.4	74	-25.43	0-360	199	H
4	* 4.93	43.04	PK	34.4	-30.7	46.74	53.97	-7.23	74	-27.26	0-360	199	V
5	6.89	40.6	PK	35.9	-29.4	47.1	53.97	-6.87	74	-26.9	0-360	101	V
6	8.542	38.33	PK	36.3	-27.3	47.33	53.97	-6.64	74	-26.67	0-360	199	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.401	28.61	MAv1	36.1	-27.7	37.01	53.97	-16.96	-	-	297	175	H

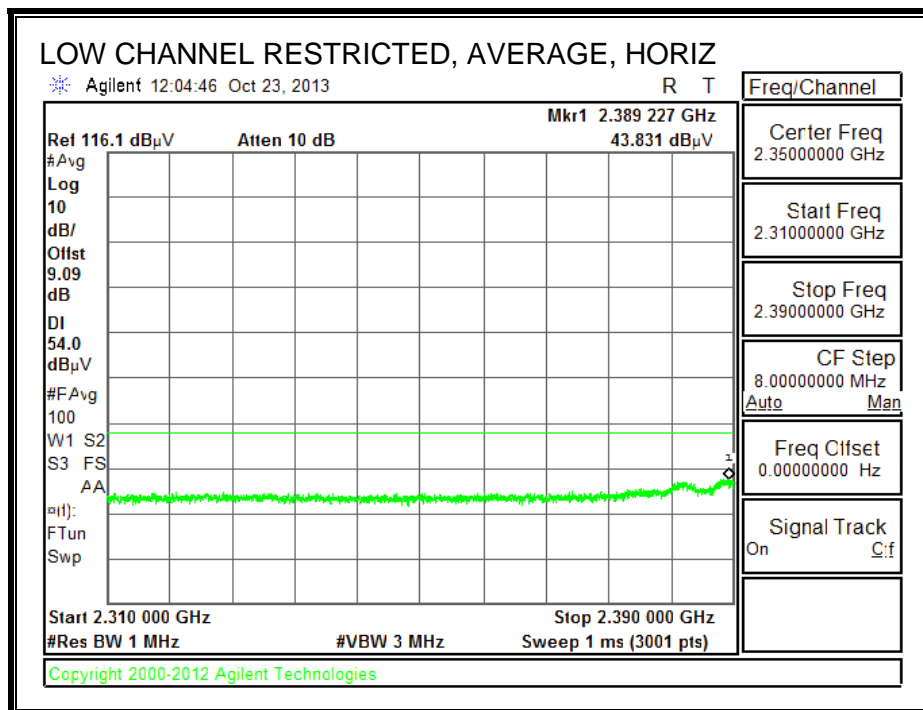
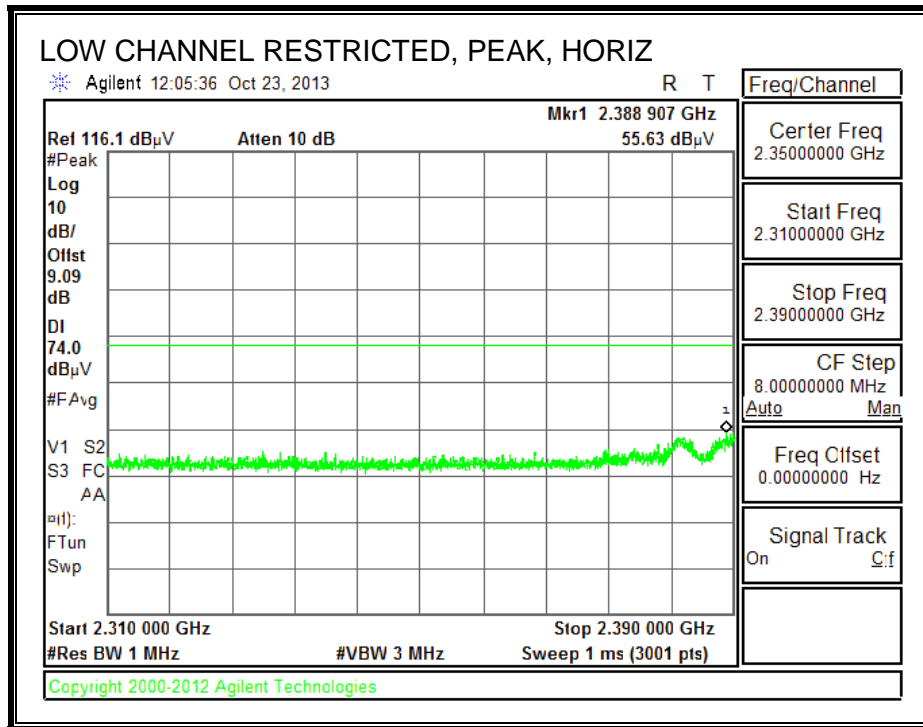
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

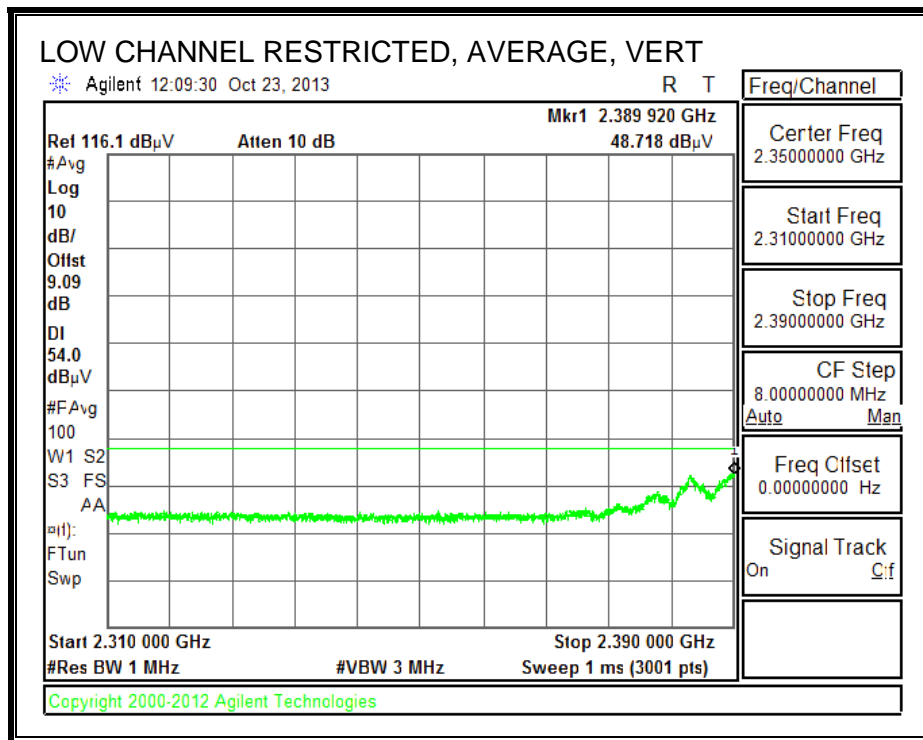
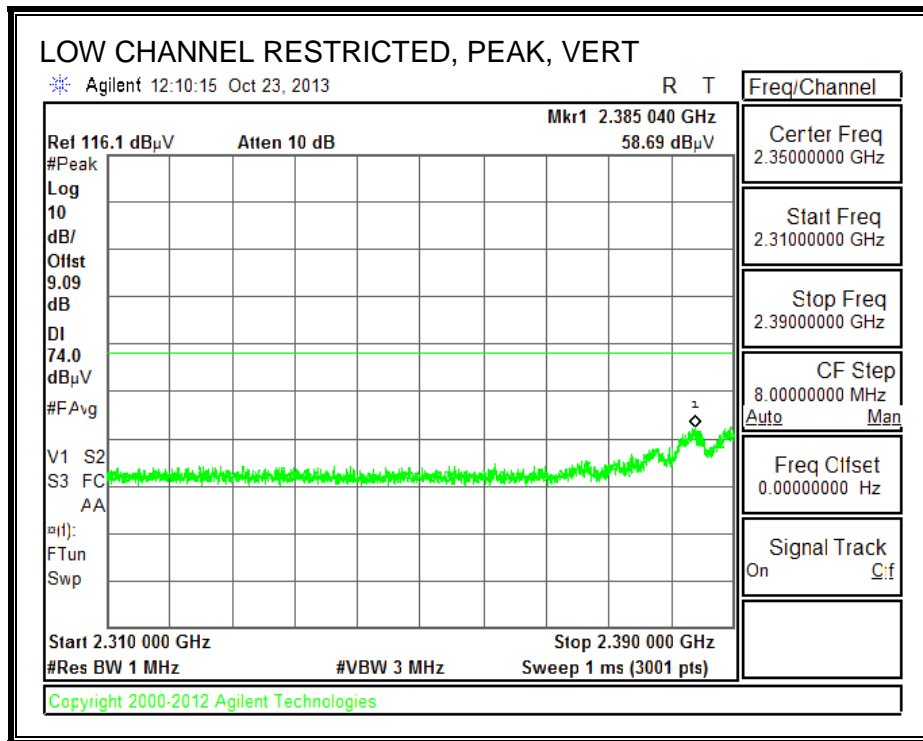
PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

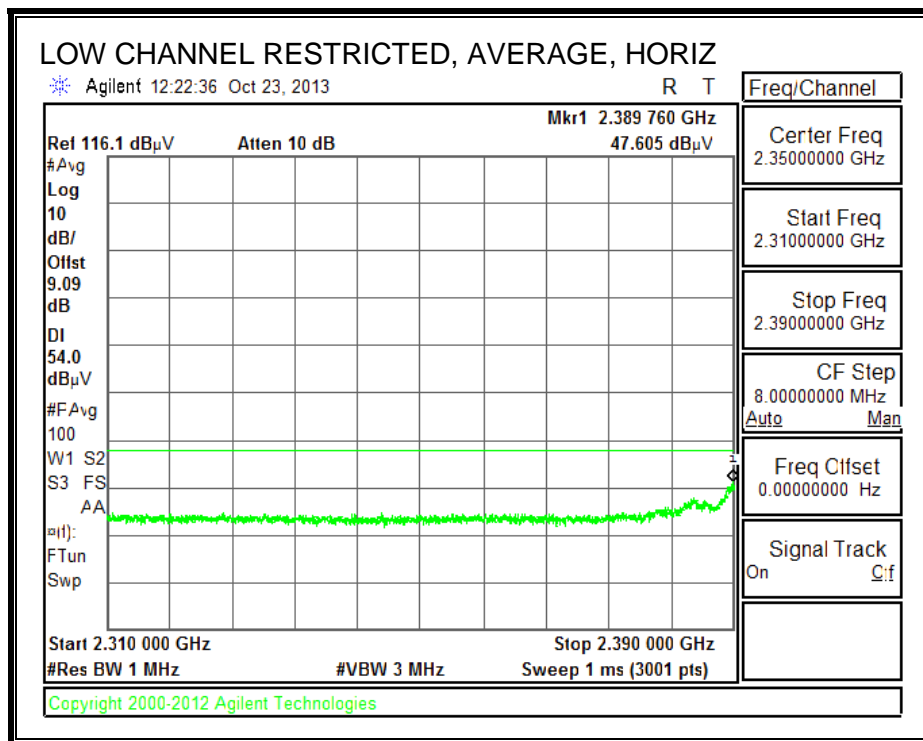
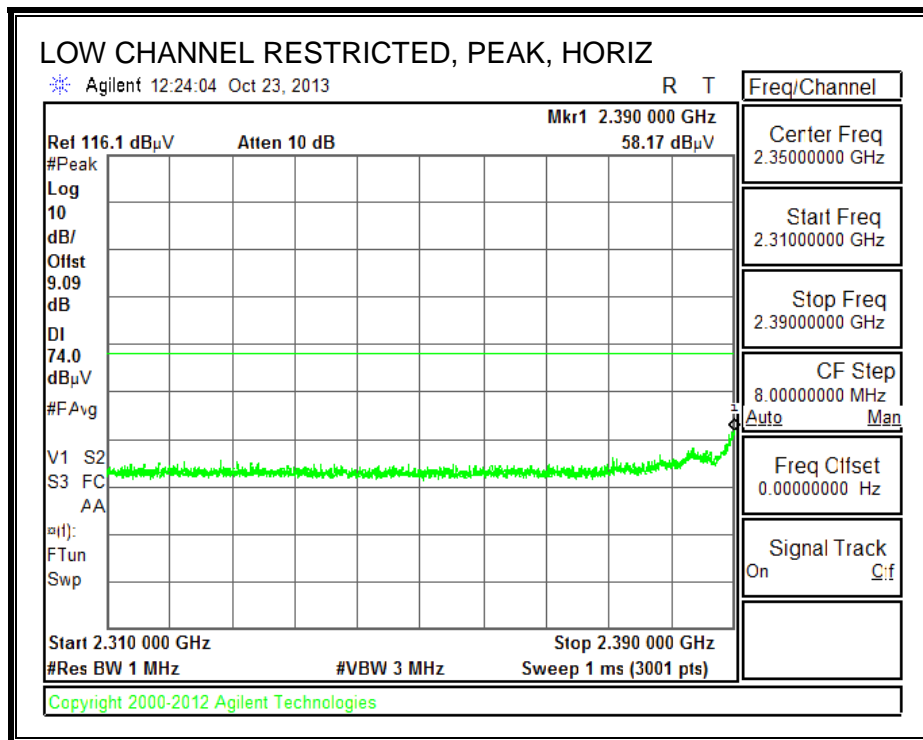
9.6. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 2.4 GHz BAND

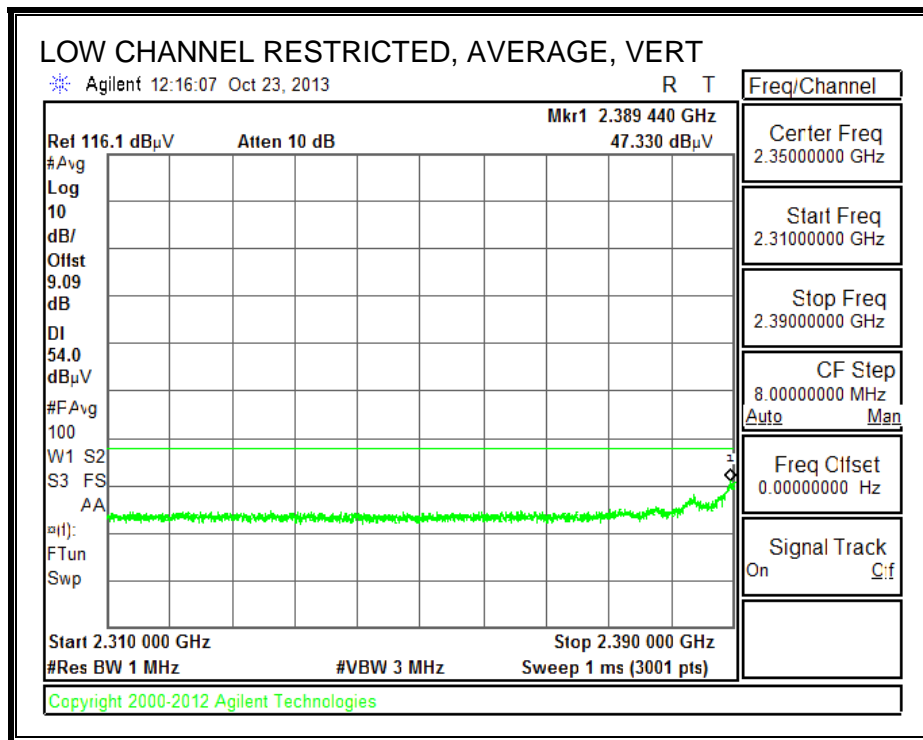
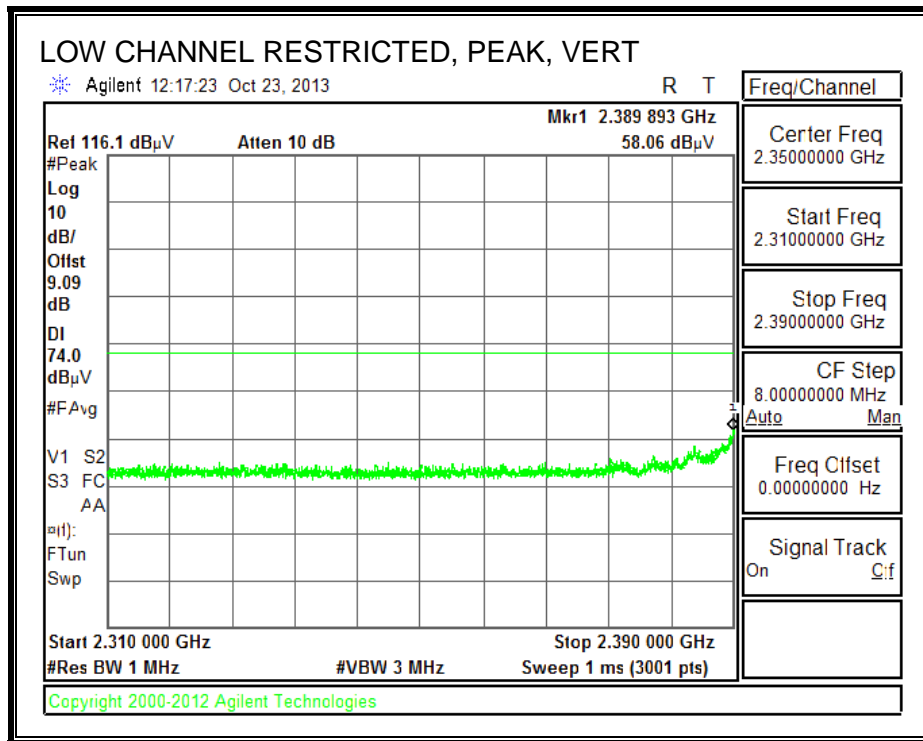
RESTRICTED BANDEDGE (LOW CHANNEL 3, 2422 MHz)



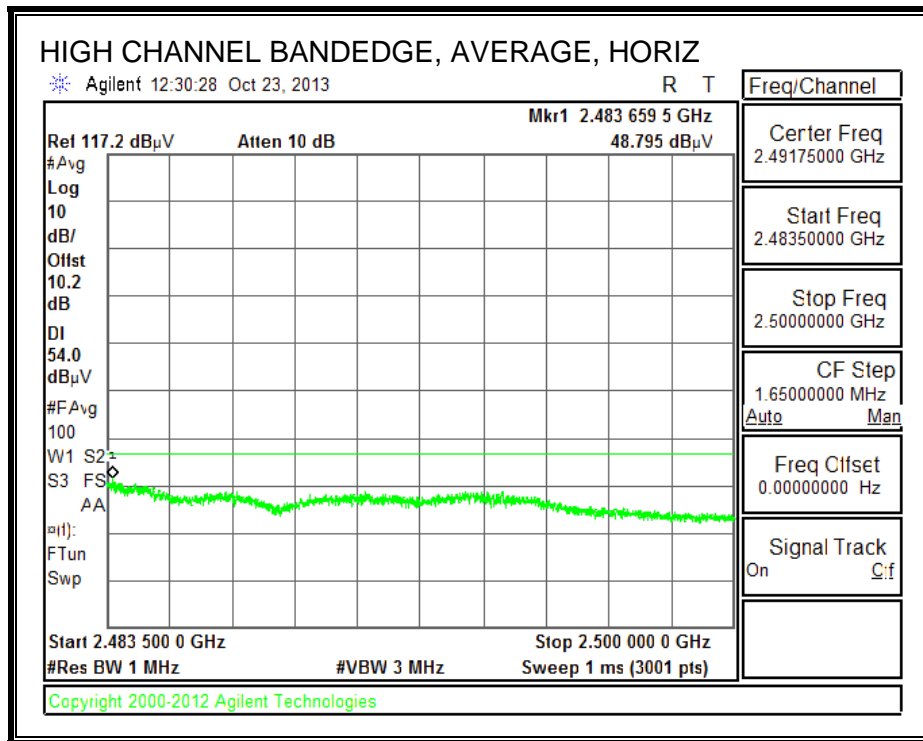
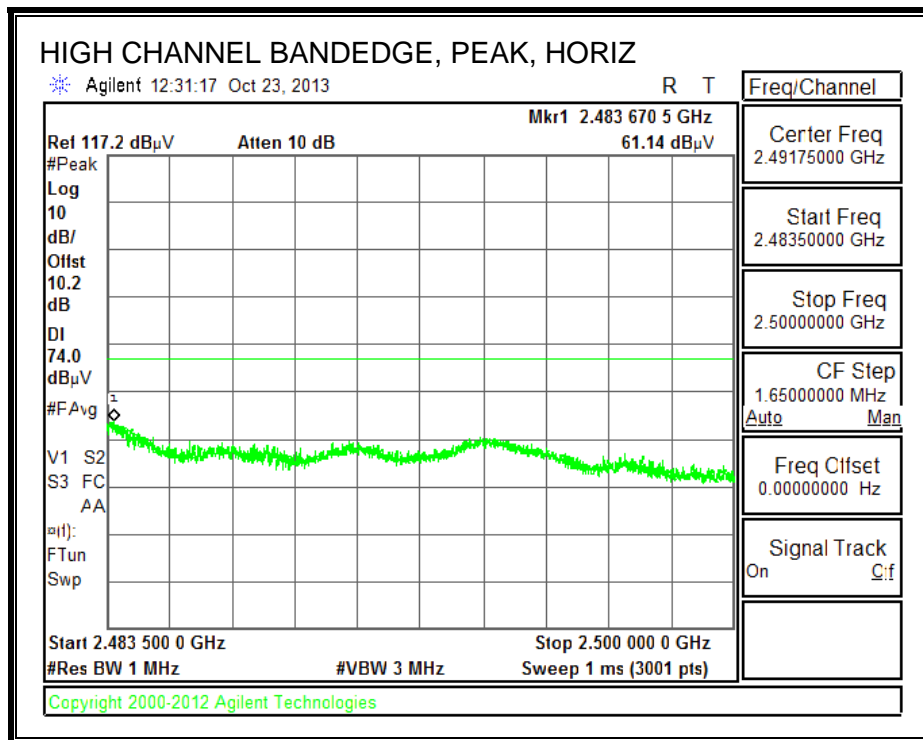


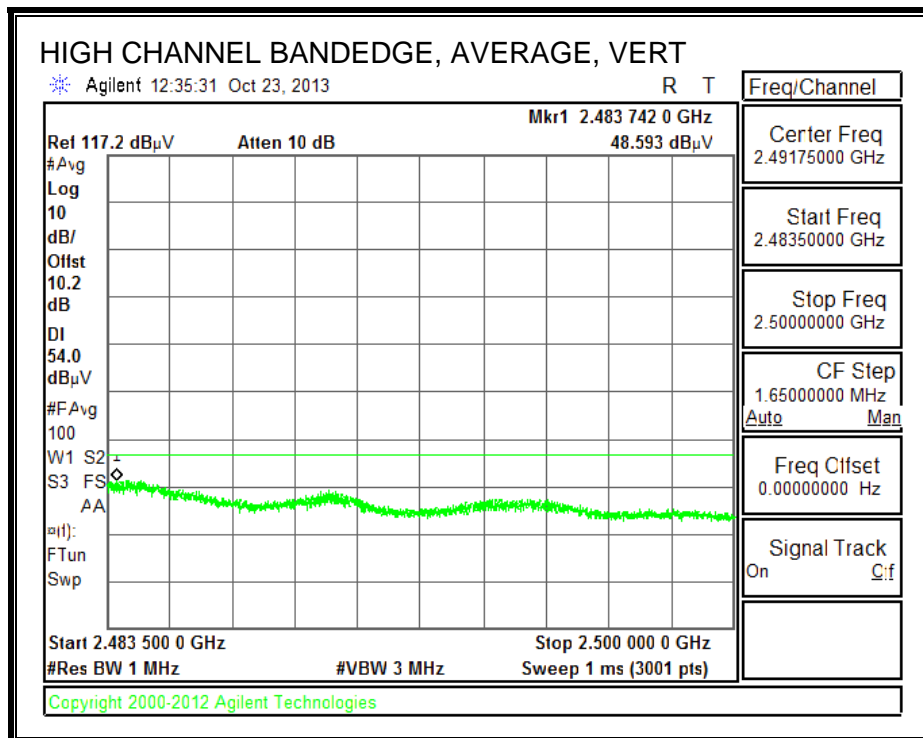
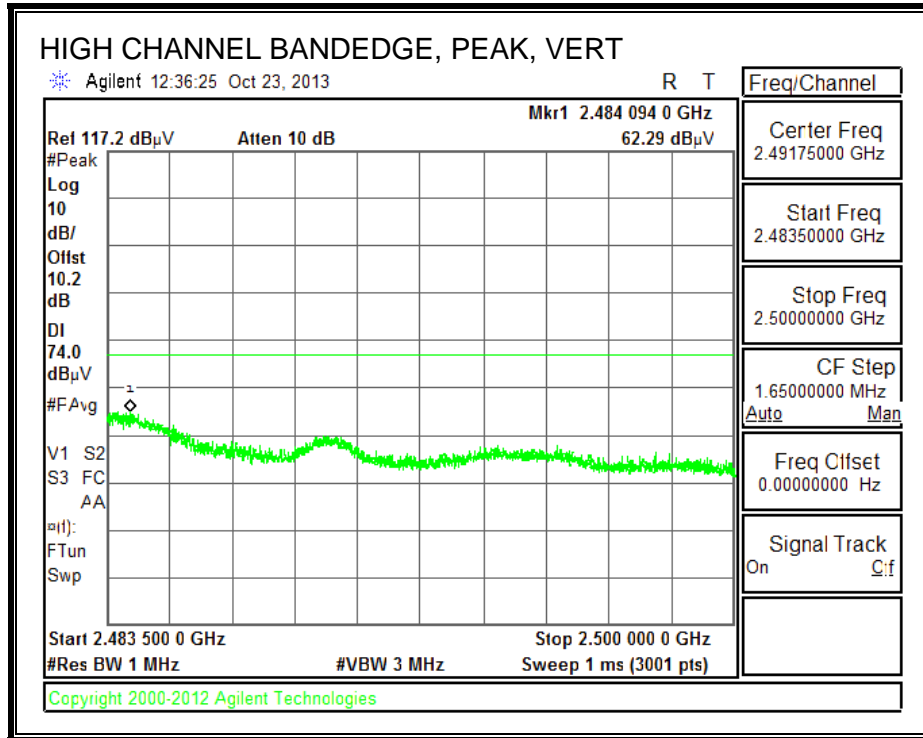
RESTRICTED BANDEDGE (LOW CHANNEL 4, 2427 MHz)



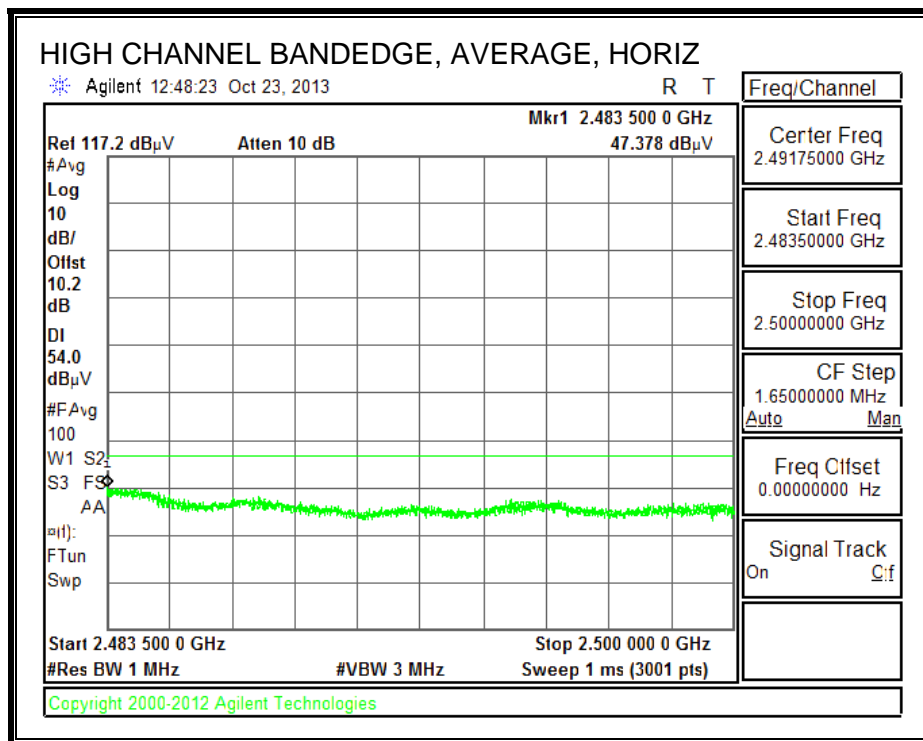
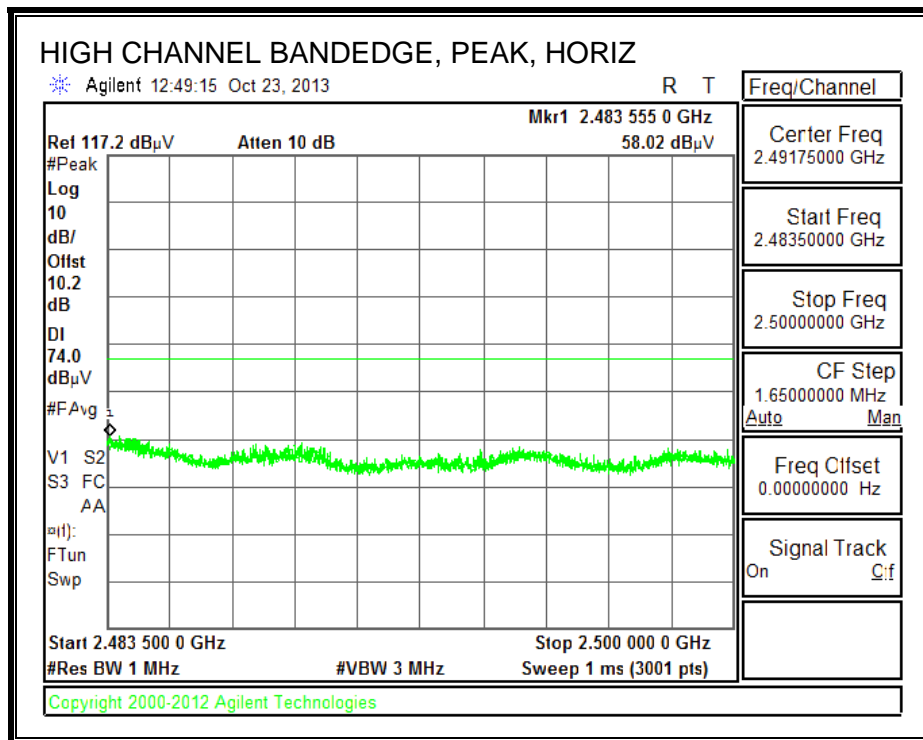


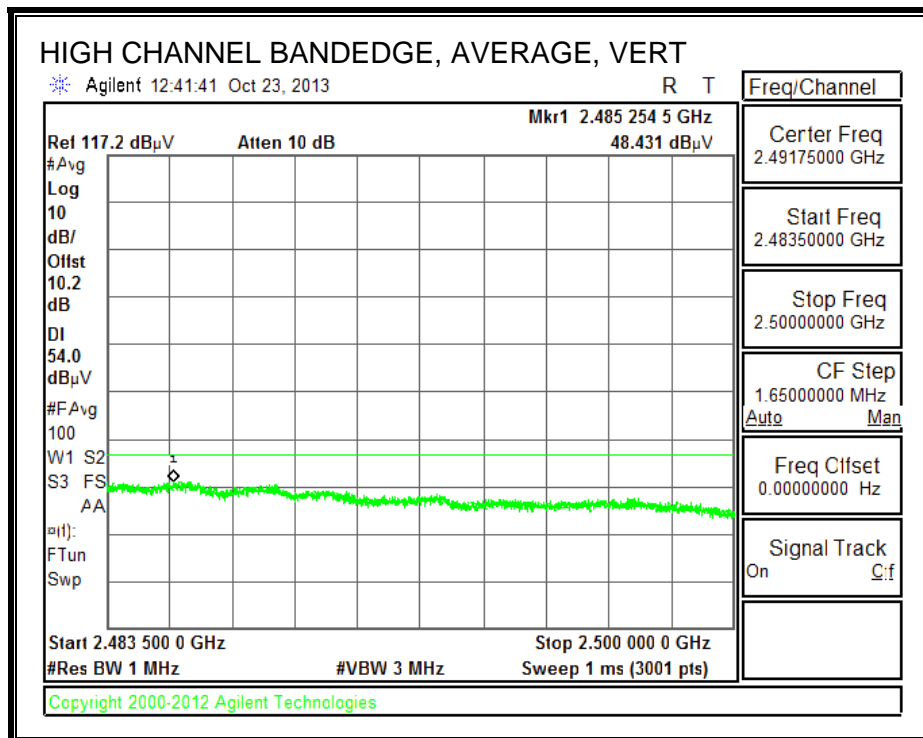
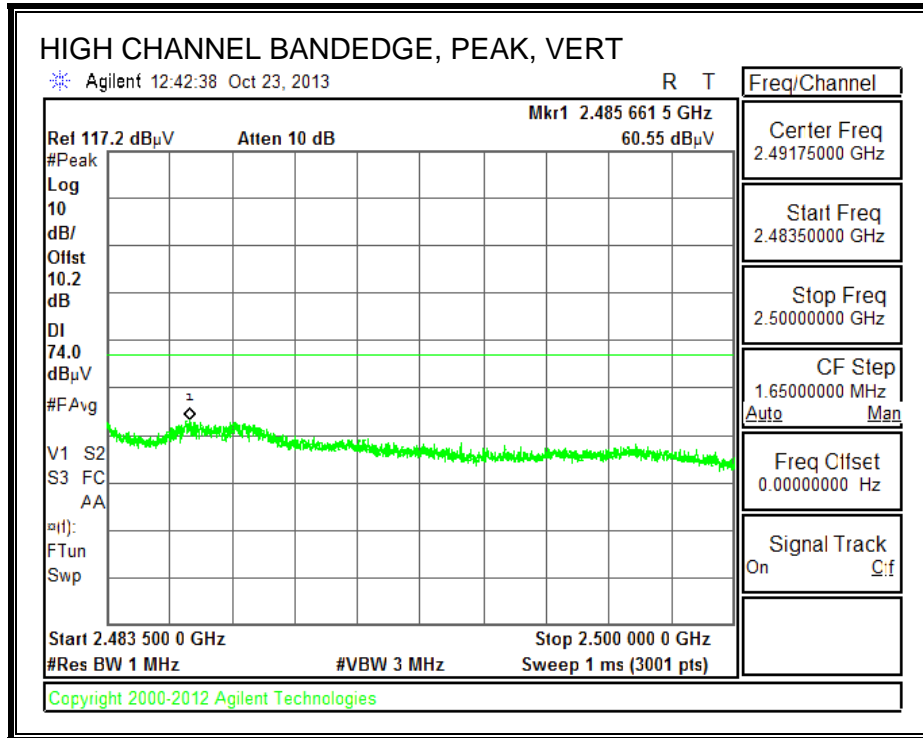
AUTHORIZED BANDEDGE (HIGH CHANNEL 8, 2447 MHz)





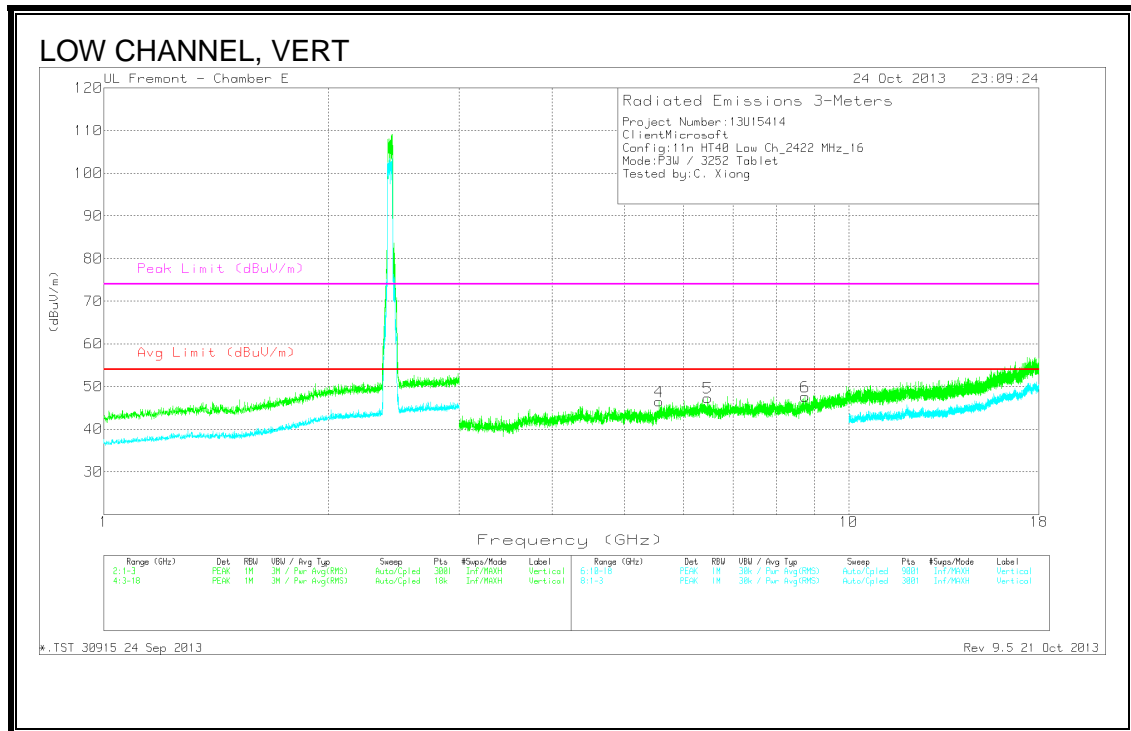
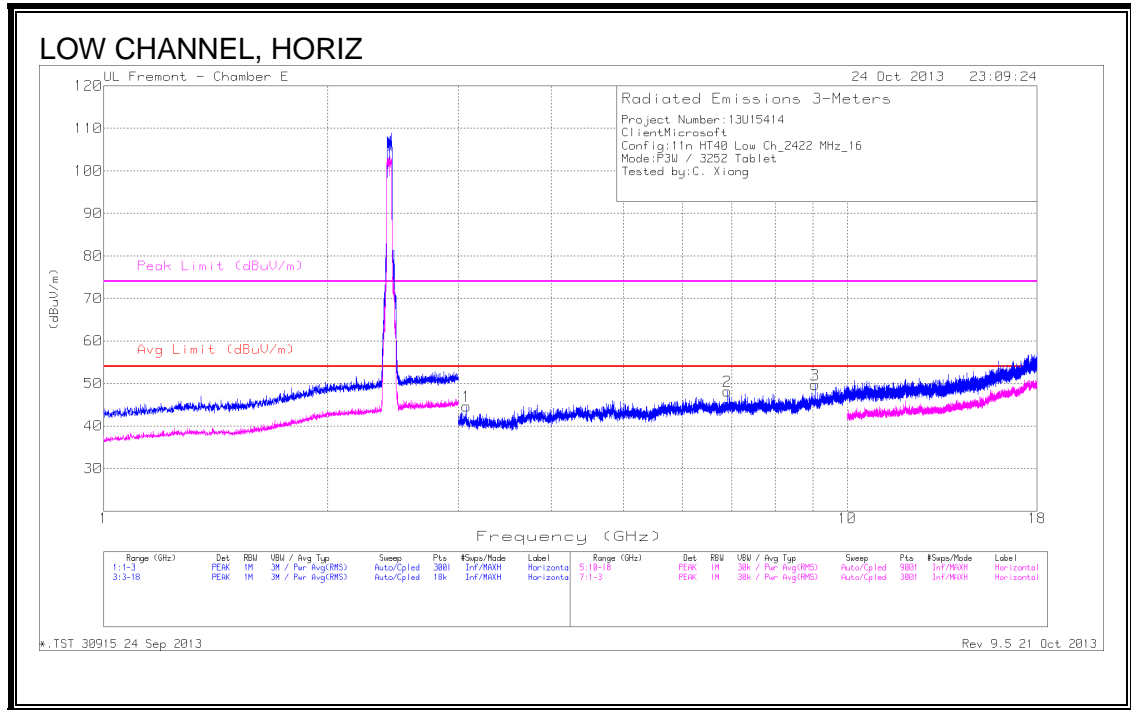
AUTHORIZED BANDEDGE (HIGH CHANNEL 9, 2452 MHz)





HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 3, 2422 MHz



LOW Channel 3 DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.076	42.19	PK	33.3	-30.9	44.59	53.97	-9.38	74	-29.41	0-360	199	H
2	6.901	41.38	PK	35.9	-29.1	48.18	53.97	-5.79	74	-25.82	0-360	199	H
3	* 9.05	38.21	PK	36.9	-25.4	49.71	53.97	-4.26	74	-24.29	0-360	100	H
4	5.566	41.99	PK	35	-30.5	46.49	53.97	-7.48	74	-27.51	0-360	100	V
5	6.466	41.1	PK	35.8	-29.6	47.3	53.97	-6.67	74	-26.7	0-360	100	V
6	8.74	37.26	PK	36.6	-26.2	47.66	53.97	-6.31	74	-26.34	0-360	199	V

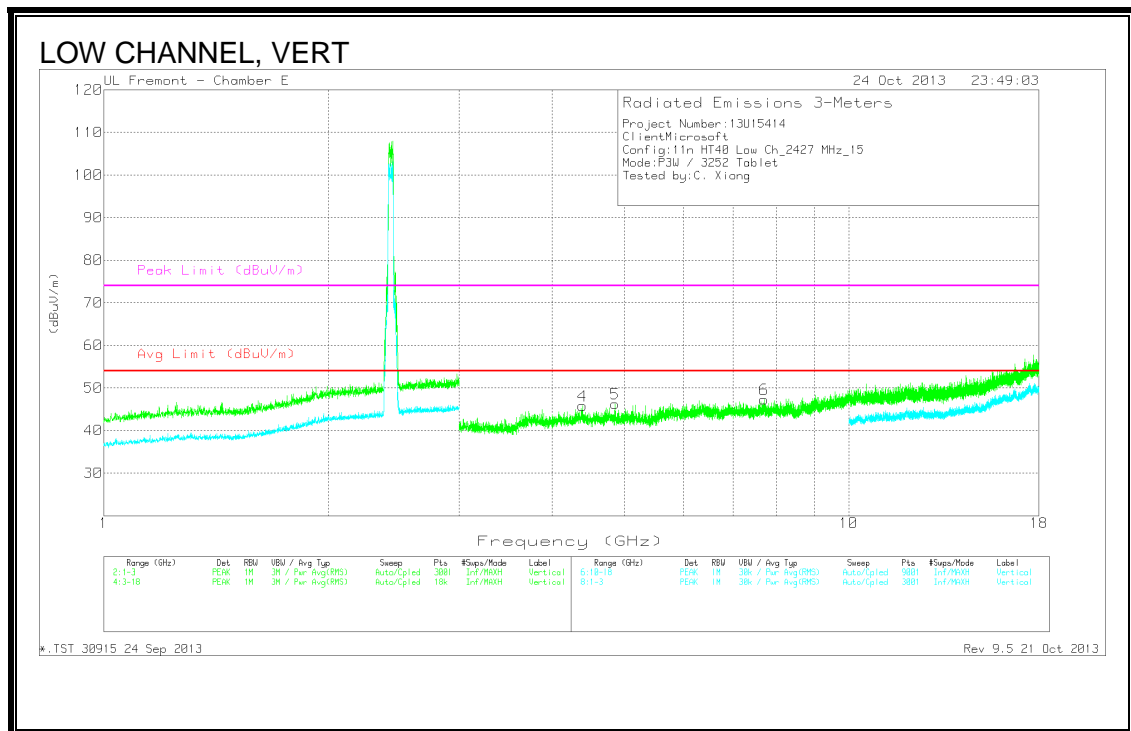
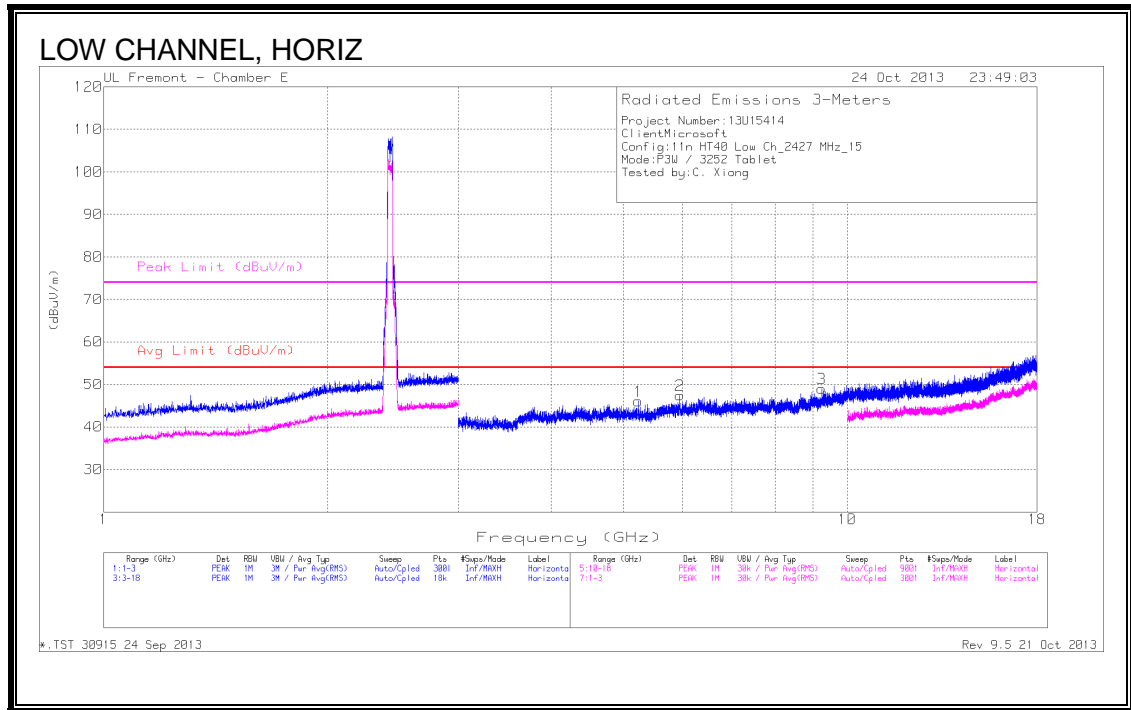
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 9.06	27	MAv1	36.9	-25.4	38.5	53.97	-15.47	-	-	226	319	H

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

PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

LOW CHANNEL 4, 2427



LOW Channel 4 DATA

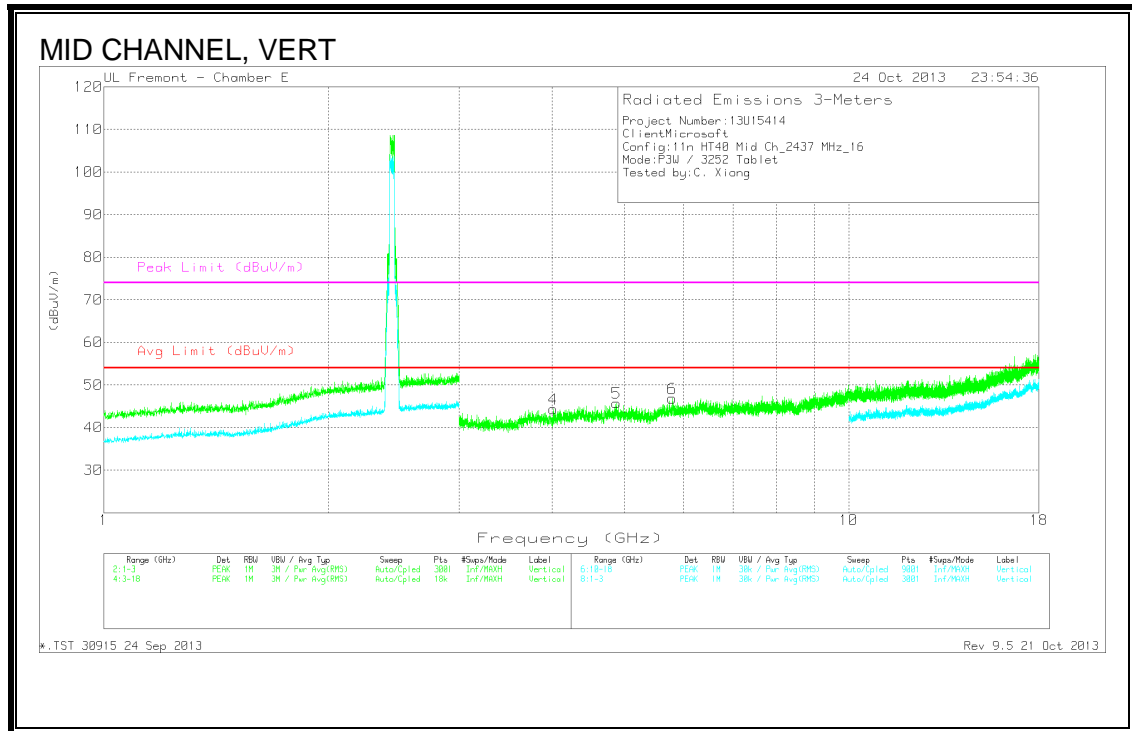
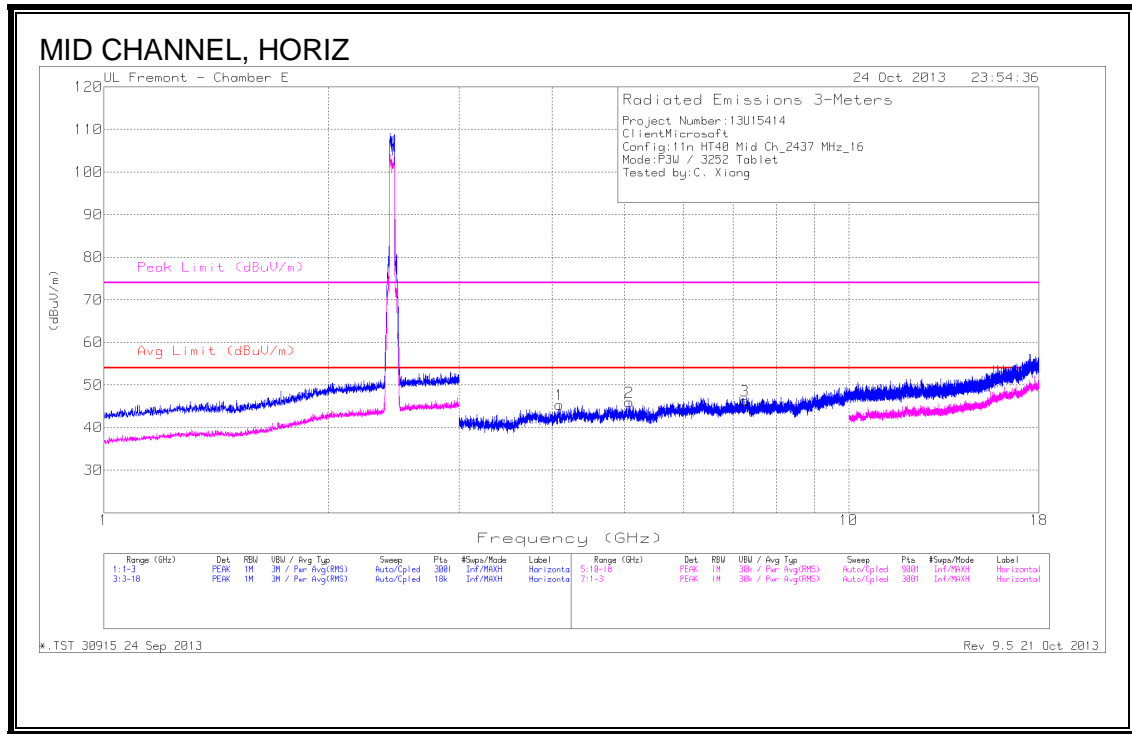
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.236	41.95	PK	34.7	-30.6	46.05	53.97	-7.92	74	-27.95	0-360	199	H
2	5.955	41.54	PK	35.7	-29.8	47.44	53.97	-6.53	74	-26.56	0-360	199	H
3	9.241	37.41	PK	37.1	-25.5	49.01	53.97	-4.96	74	-24.99	0-360	100	H
4	* 4.392	42.13	PK	34.2	-30.5	45.83	53.97	-8.14	74	-28.17	0-360	100	V
5	* 4.858	43.16	PK	34.4	-31.3	46.26	53.97	-7.71	74	-27.74	0-360	199	V
6	* 7.699	38.9	PK	36.2	-27.8	47.3	53.97	-6.67	74	-26.7	0-360	199	V

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

PK - Peak detector

MID CHANNEL 6, 2437 MHz



MID Channel 6 DATA

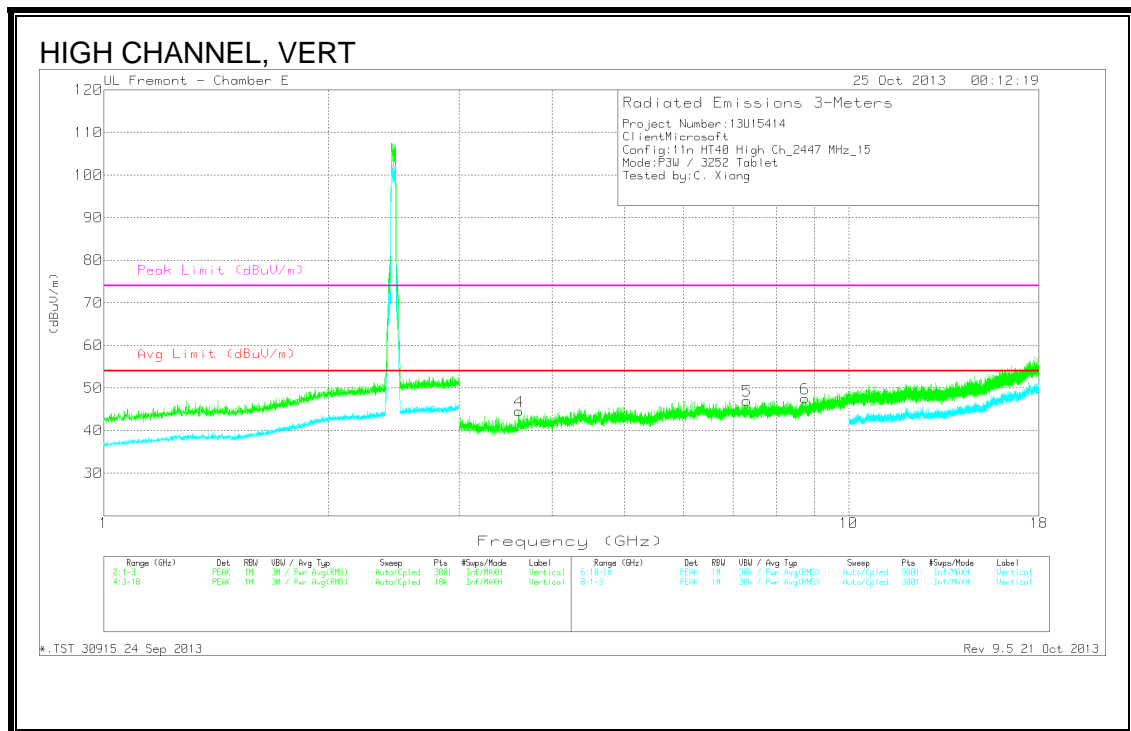
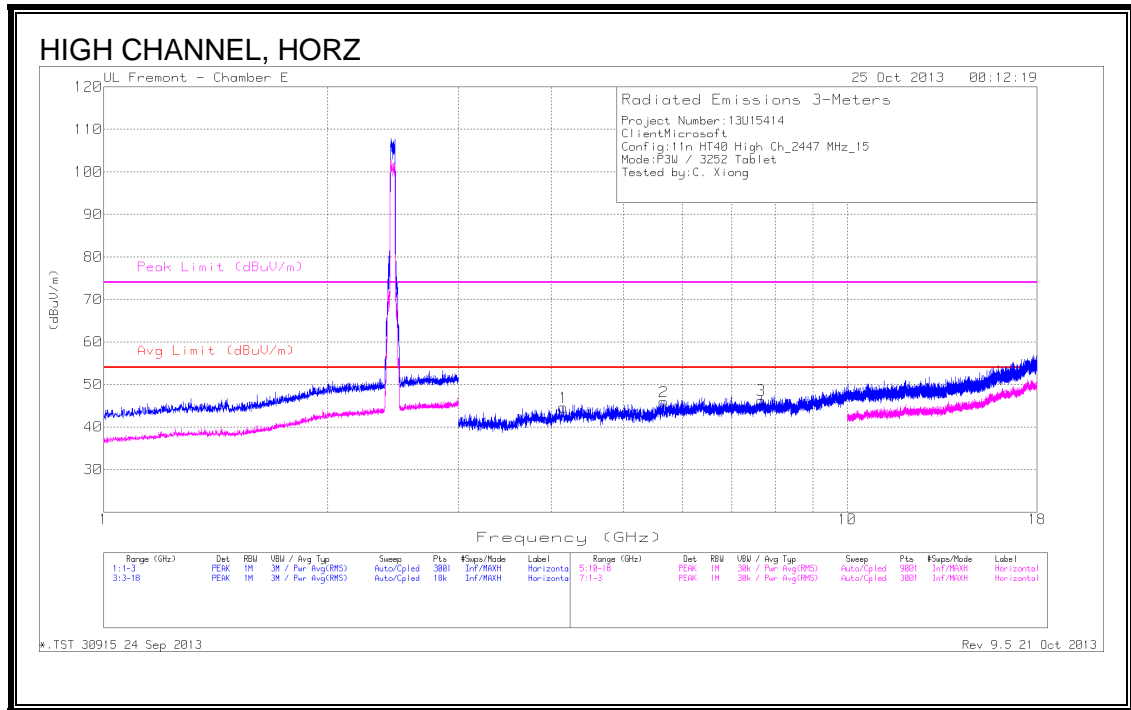
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.09	41.64	PK	33.9	-30.2	45.34	53.97	-8.63	74	-28.66	0-360	100	H
2	* 5.074	42.07	PK	34.5	-30.6	45.97	53.97	-8	74	-28.03	0-360	199	H
3	* 7.254	39	PK	36	-28.7	46.3	53.97	-7.67	74	-27.7	0-360	100	H
4	* 4.012	41.77	PK	33.8	-31.2	44.37	53.97	-9.6	74	-29.63	0-360	100	V
5	* 4.877	42.46	PK	34.4	-31.1	45.76	53.97	-8.21	74	-28.24	0-360	100	V
6	5.797	41.37	PK	35.5	-30	46.87	53.97	-7.1	74	-27.13	0-360	100	V

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

PK - Peak detector

HIGH CHANNEL 8, 2447 MHz



HIGH CHANNEL 8 DATA

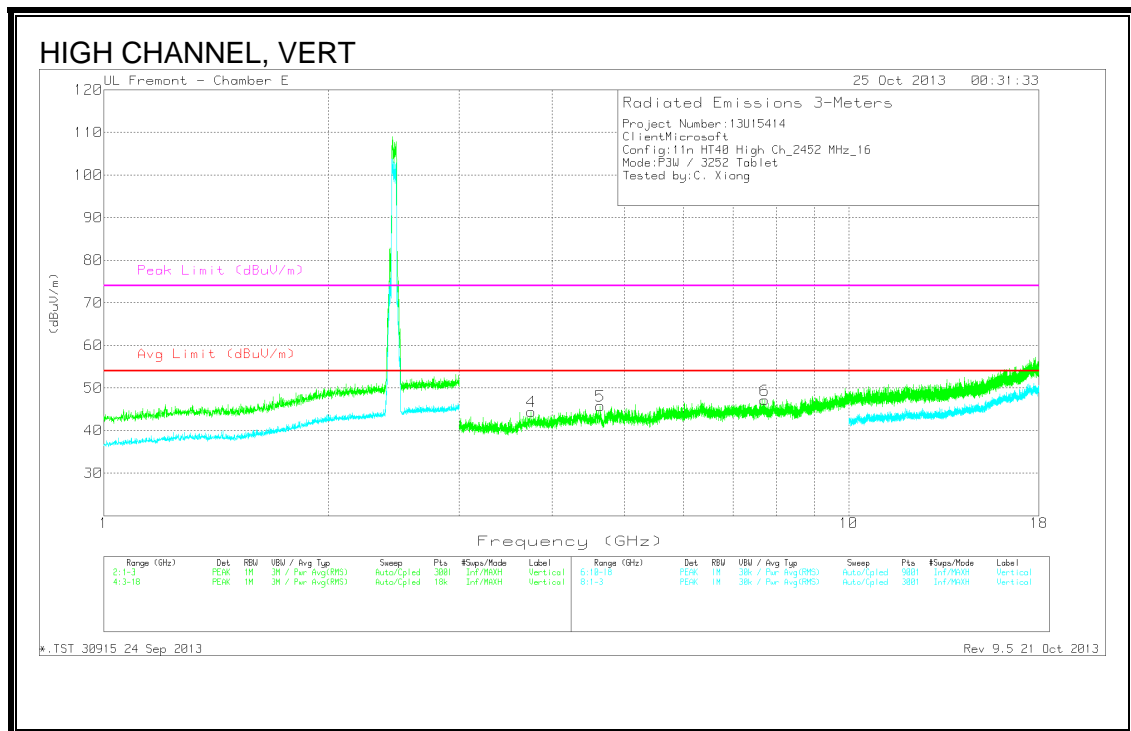
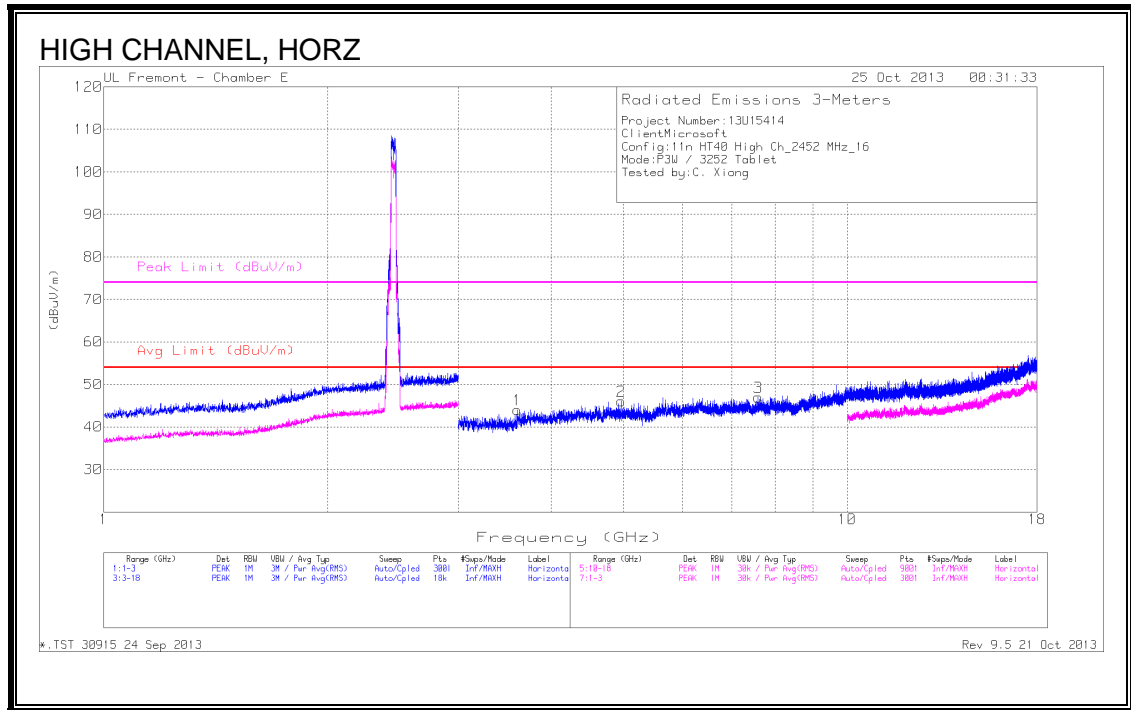
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.152	42.33	PK	33.9	-31.6	44.63	53.97	-9.34	74	-29.37	0-360	199	H
2	5.667	40.89	PK	35.2	-30.1	45.99	53.97	-7.98	74	-28.01	0-360	100	H
3	* 7.666	37.28	PK	36.2	-27.2	46.28	53.97	-7.69	74	-27.72	0-360	199	H
4	* 3.608	43.13	PK	33.4	-32	44.53	53.97	-9.44	74	-29.47	0-360	101	V
5	* 7.301	39.29	PK	36	-28.3	46.99	53.97	-6.98	74	-27.01	0-360	199	V
6	8.736	37.04	PK	36.6	-26.1	47.54	53.97	-6.43	74	-26.46	0-360	101	V

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

PK - Peak detector

HIGH CHANNEL 9, 2452 MHz



HIGH CHANNEL 9 DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.601	42.85	PK	33.3	-32.1	44.05	53.97	-9.92	74	-29.95	0-360	199	H
2	* 4.966	42.47	PK	34.4	-30.8	46.07	53.97	-7.9	74	-27.93	0-360	100	H
3	* 7.59	39	PK	36.1	-28.1	47	53.97	-6.97	74	-27	0-360	100	H
4	* 3.747	42.04	PK	33.7	-31.3	44.44	53.97	-9.53	74	-29.56	0-360	100	V
5	* 4.639	41.68	PK	34.4	-30.3	45.78	53.97	-8.19	74	-28.22	0-360	100	V
6	* 7.714	38.75	PK	36.2	-27.8	47.15	53.97	-6.82	74	-26.85	0-360	100	V

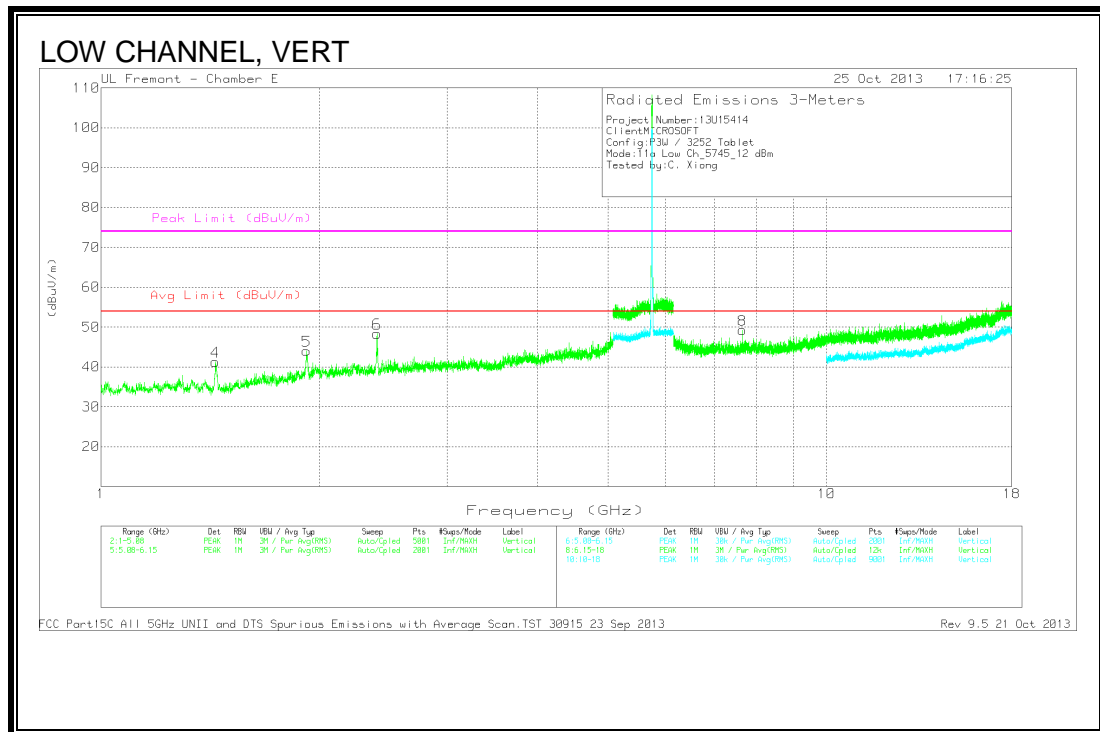
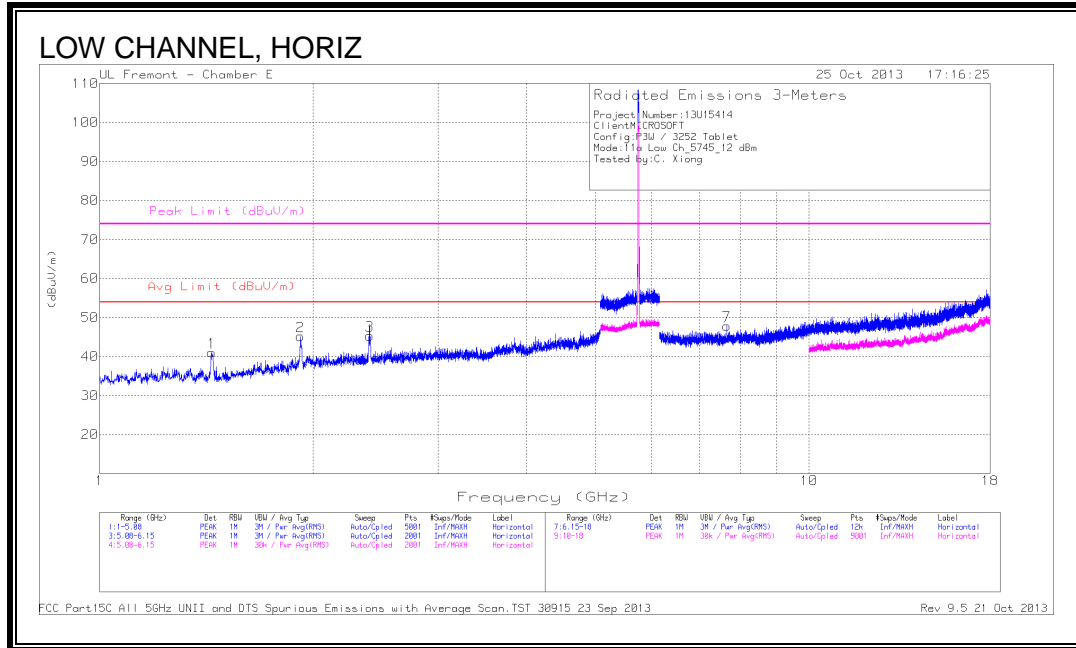
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



LOW Channel DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5GHz z LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.439	46.78	PK	28.9	-34.6	41.08	53.97	-12.89	74	-32.92	0-360	99	H
2	1.918	46.7	PK	31.6	-33.1	45.2	53.97	-8.77	74	-28.8	0-360	99	H
3	2.403	46.14	PK	32.6	-33.4	45.34	53.97	-8.63	74	-28.66	0-360	199	H
4	* 1.437	46.87	PK	28.9	-34.5	41.27	53.97	-12.7	74	-32.73	0-360	199	V
5	1.92	45.44	PK	31.6	-33	44.04	53.97	-9.93	74	-29.96	0-360	199	V
6	2.401	49.17	PK	32.6	-33.4	48.37	53.97	-5.6	74	-25.63	0-360	199	V

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/6GHz z HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	* 7.661	39.57	PK	36.2	-27.9	47.87	53.97	-6.1	74	-26.13	0-360	199	H
8	* 7.661	40.98	PK	36.2	-27.9	49.28	53.97	-4.69	74	-24.72	0-360	200	V

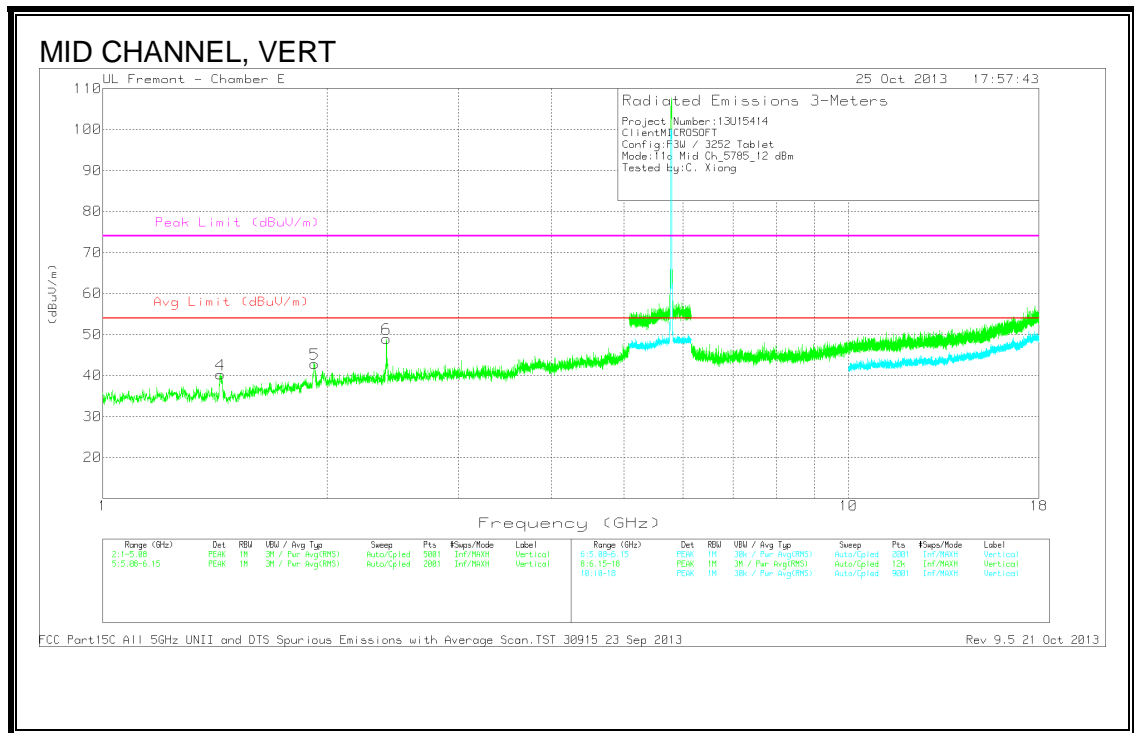
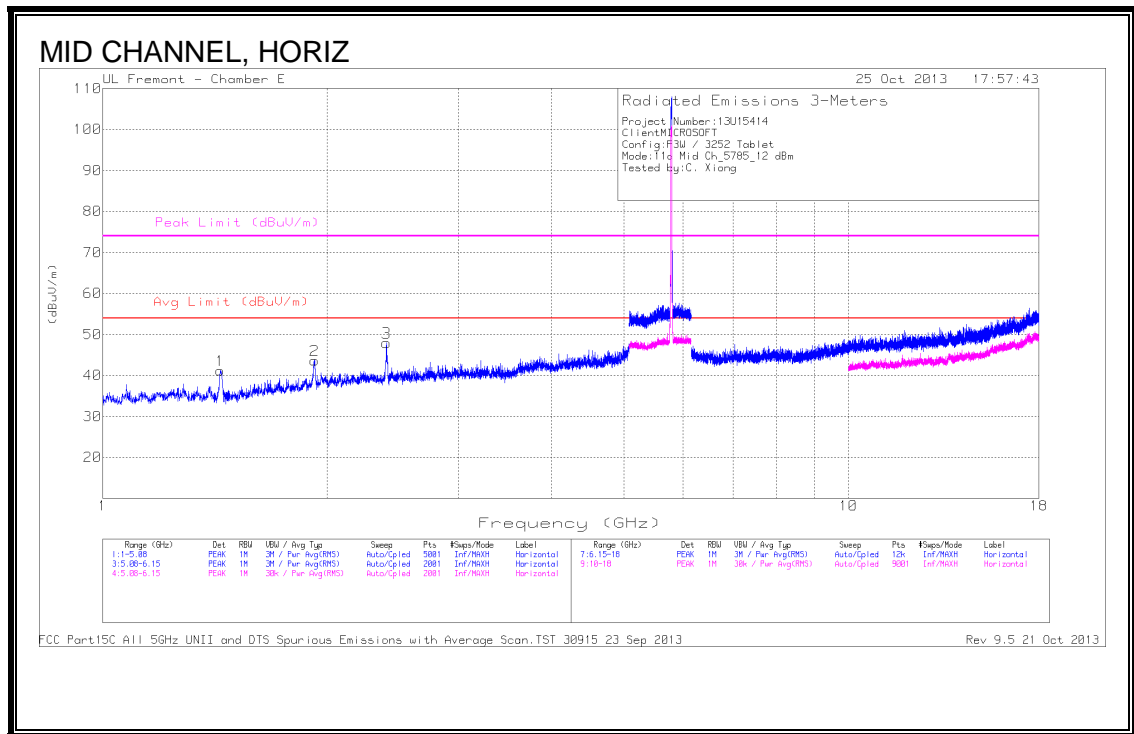
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/6GHz HPF	Corrected Reading (dBuV/ m)	Avg Limit (dBuV/ m)	Margi n (dB)	Peak Limit (dBuV/ m)	Margi n (dB)	Azimu t (Degs)	Heigh t (cm)	Polarit y
* 7.66	34.52	MAv 1	36.2	-27.9	42.82	53.97	-11.15	-	-	35	317	V

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

PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL



MID Channel DATA

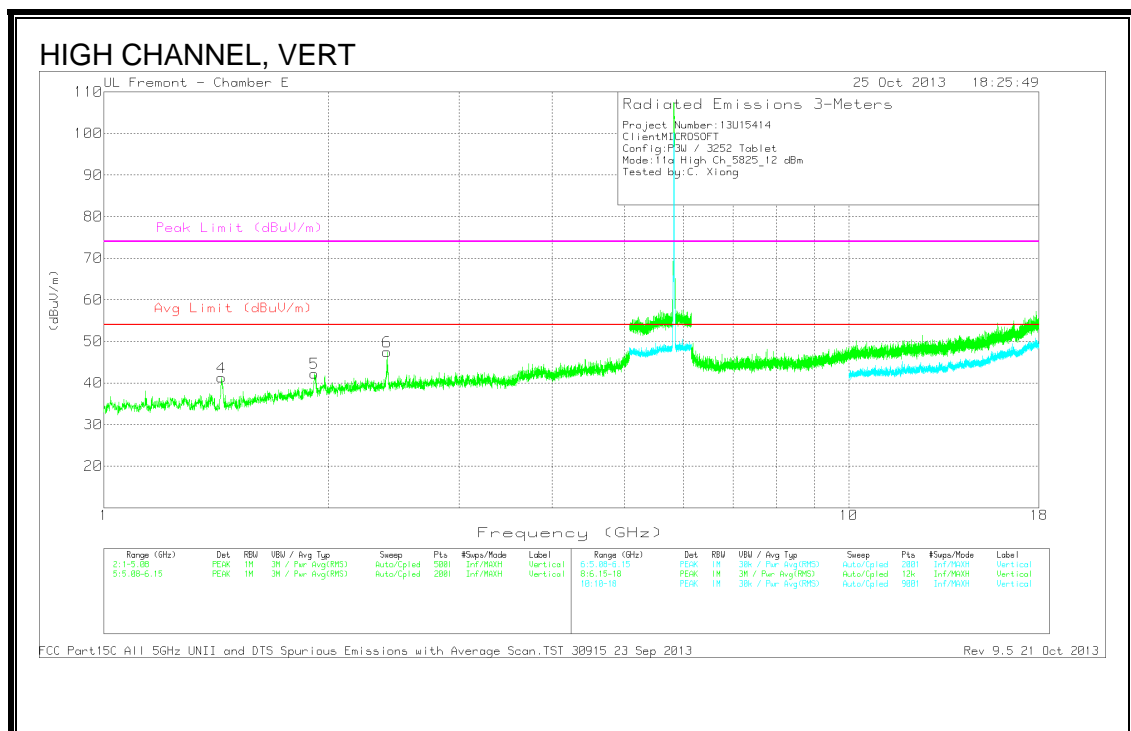
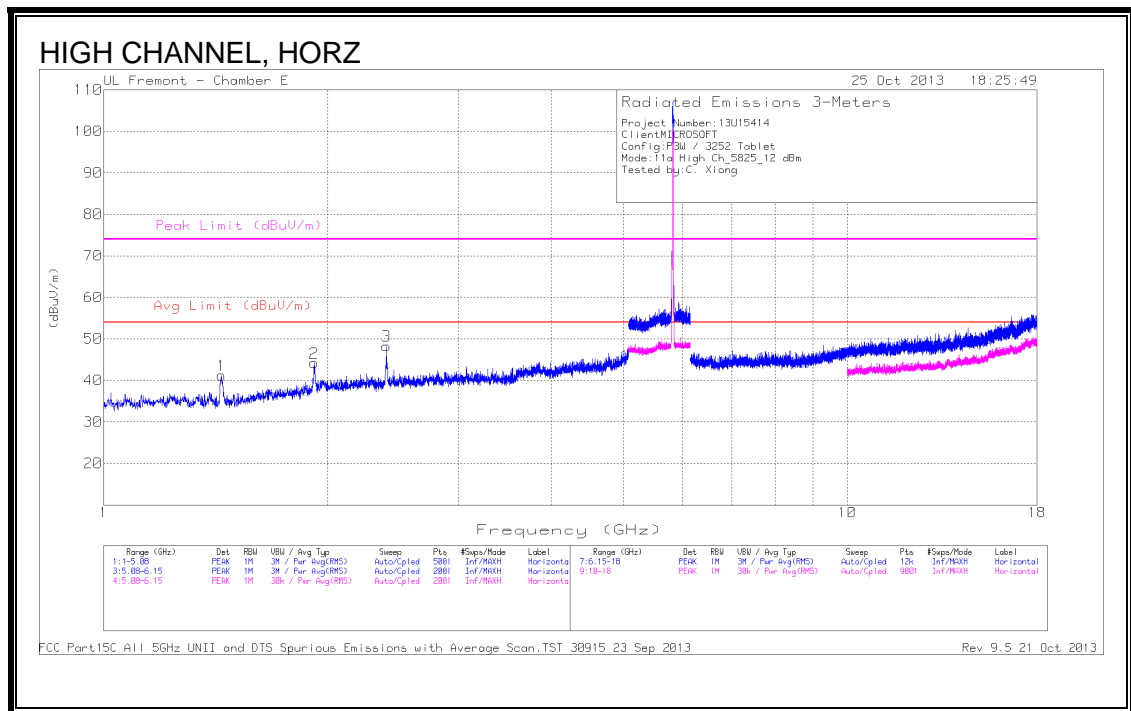
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5GHz z LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.437	46.83	PK	28.9	-34.5	41.23	53.97	-12.74	74	-32.77	0-360	100	H
2	1.924	45.08	PK	31.6	-33	43.68	53.97	-10.29	74	-30.32	0-360	100	H
3	2.401	48.74	PK	32.6	-33.4	47.94	53.97	-6.03	74	-26.06	0-360	100	H
4	* 1.439	45.93	PK	28.9	-34.6	40.23	53.97	-13.74	74	-33.77	0-360	199	V
5	1.923	44.23	PK	31.6	-33	42.83	53.97	-11.14	74	-31.17	0-360	199	V
6	2.401	49.73	PK	32.6	-33.4	48.93	53.97	-5.04	74	-25.07	0-360	199	V

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

PK - Peak detector

HIGH CHANNEL



HIGH CHANNEL DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.441	46.93	PK	28.9	-34.6	41.23	53.97	-12.74	74	-32.77	0-360	100	H
2	1.919	45.74	PK	31.6	-33.1	44.24	53.97	-9.73	74	-29.76	0-360	199	H
3	2.401	49.11	PK	32.6	-33.4	48.31	53.97	-5.66	74	-25.69	0-360	100	H
4	* 1.439	47.01	PK	28.9	-34.6	41.31	53.97	-12.66	74	-32.69	0-360	200	V
5	1.918	43.76	PK	31.6	-33.1	42.26	53.97	-11.71	74	-31.74	0-360	200	V
6	2.401	48.29	PK	32.6	-33.4	47.49	53.97	-6.48	74	-26.51	0-360	200	V

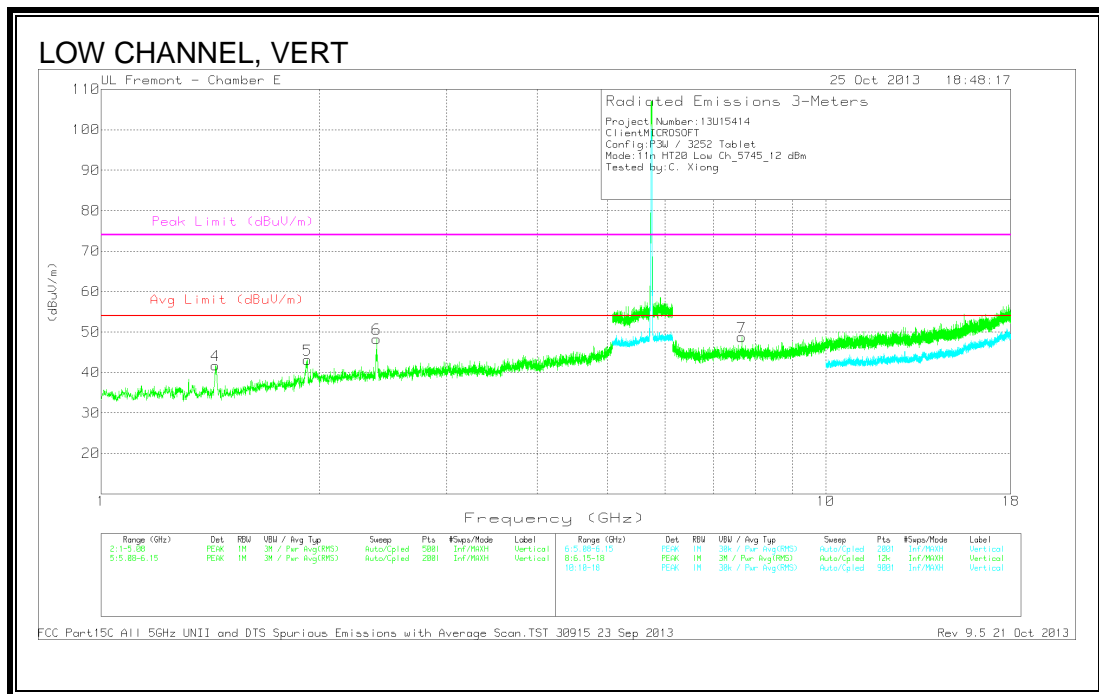
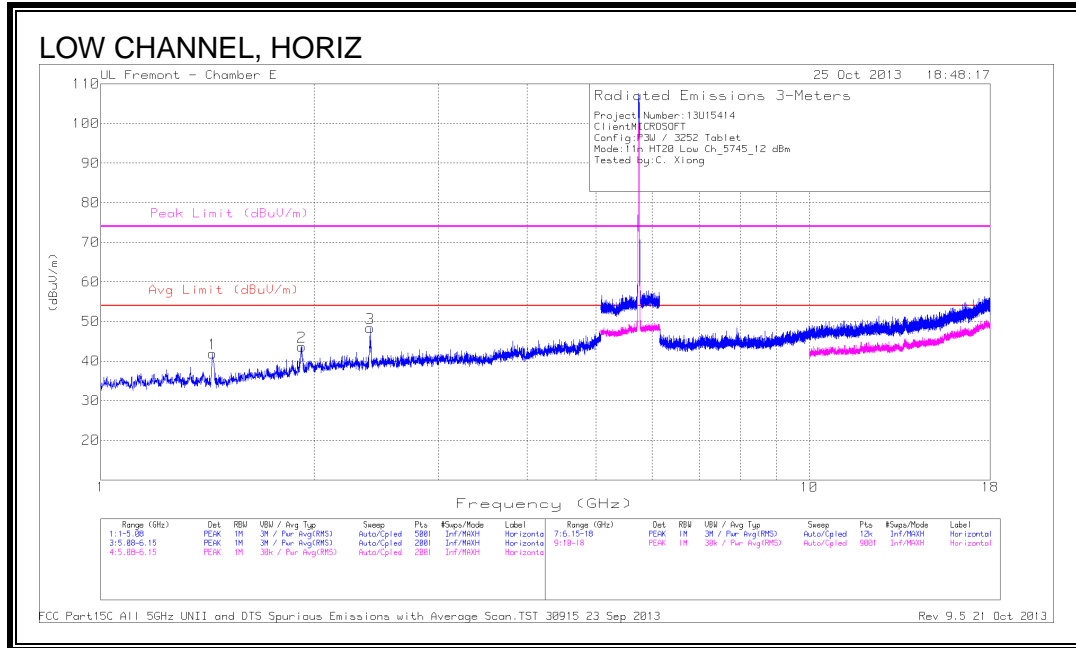
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



LOW Channel DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/C bl/5GHz z LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.438	47.54	PK	28.9	-34.5	41.94	53.97	-12.03	74	-32.06	0-360	100	H
2	1.922	45.07	PK	31.6	-33	43.67	53.97	-10.3	74	-30.33	0-360	100	H
3	2.401	49.13	PK	32.6	-33.4	48.33	53.97	-5.64	74	-25.67	0-360	199	H
4	* 1.438	47.33	PK	28.9	-34.5	41.73	53.97	-12.24	74	-32.27	0-360	199	V
5	1.927	44.53	PK	31.6	-33	43.13	53.97	-10.84	74	-30.87	0-360	100	V
6	2.401	49.1	PK	32.6	-33.4	48.3	53.97	-5.67	74	-25.7	0-360	199	V

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/C bl/6GHz z HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	* 7.66	40.48	PK	36.2	-27.9	48.78	53.97	-5.19	74	-25.22	0-360	100	V

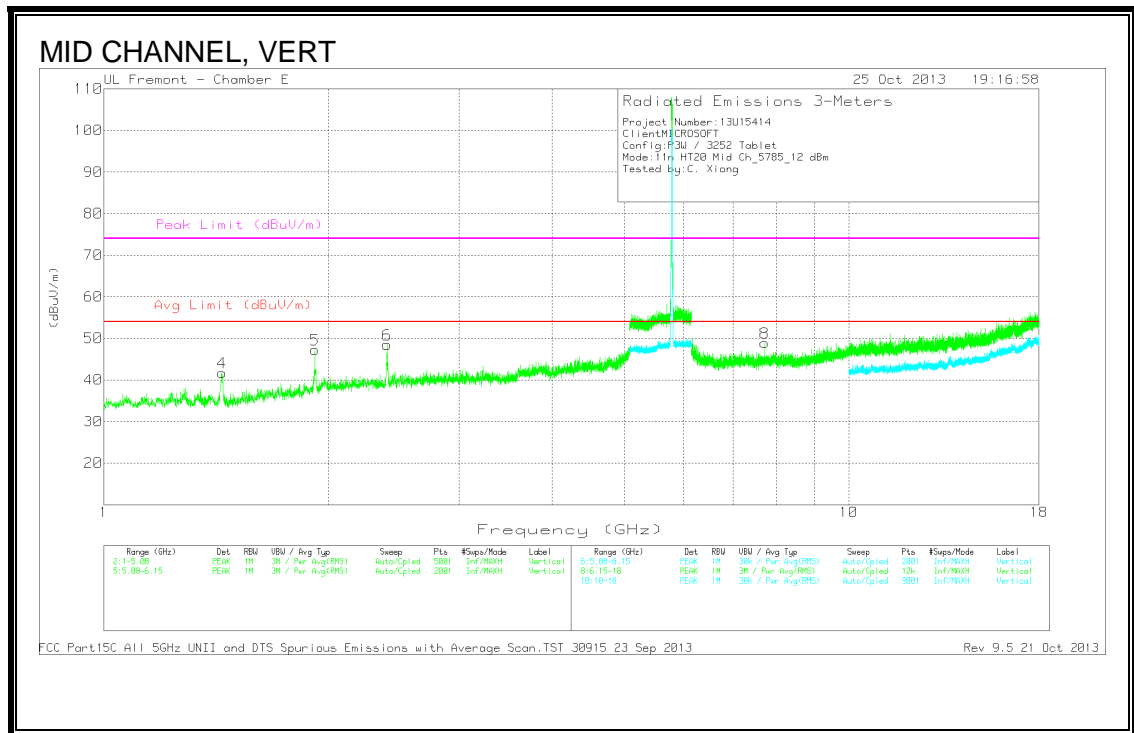
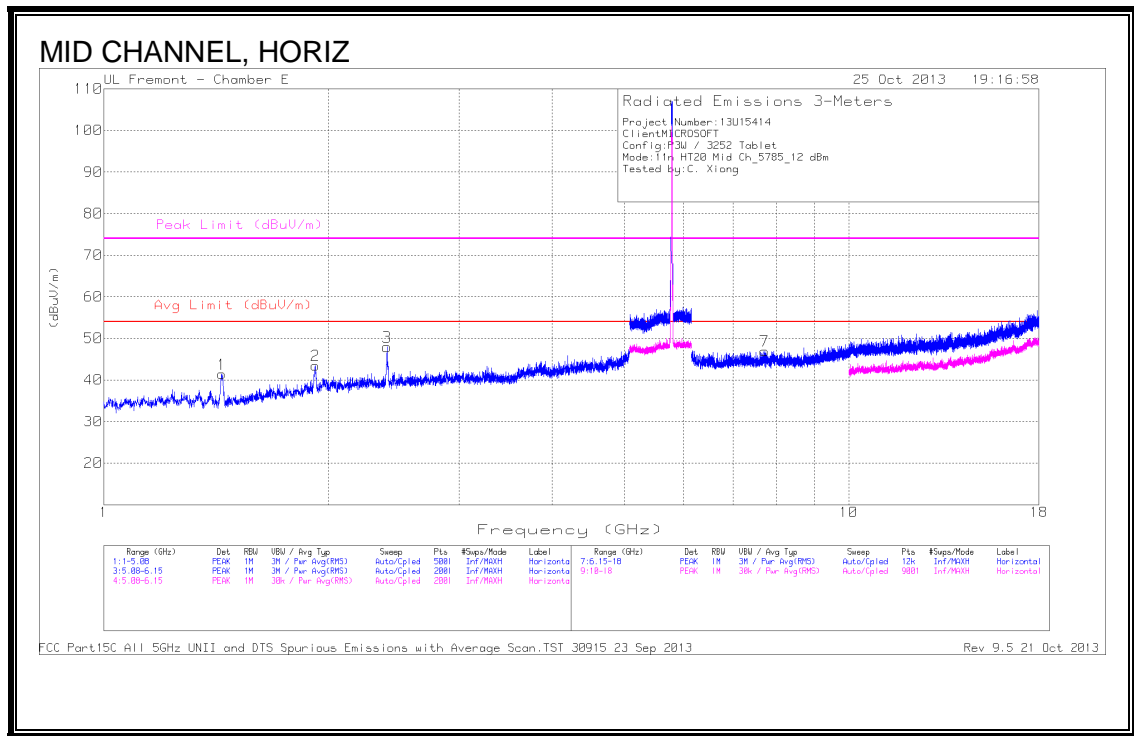
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/6GHz HPF	Corrected Reading (dBuV/ m)	Avg Limit (dBuV/ m)	Margi n (dB)	Peak Limit (dBuV/ m)	Margi n (dB)	Azimu t (Degs)	Heigh t (cm)	Polarit y
* 7.66	41.08	MAv 1	36.2	-27.9	49.38	53.97	-4.59	-	-	1	385	V

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

PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL



MID Channel DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/C bl/5GHz z LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.441	47.13	PK	28.9	-34.6	41.43	53.97	-12.54	74	-32.57	0-360	100	H
2	1.925	44.87	PK	31.6	-33	43.47	53.97	-10.5	74	-30.53	0-360	100	H
3	2.4	48.74	PK	32.6	-33.4	47.94	53.97	-6.03	74	-26.06	0-360	199	H
4	* 1.441	47.42	PK	28.9	-34.6	41.72	53.97	-12.25	74	-32.28	0-360	199	V
5	1.92	48.69	PK	31.6	-33	47.29	53.97	-6.68	74	-26.71	0-360	199	V
6	2.401	49.31	PK	32.6	-33.4	48.51	53.97	-5.46	74	-25.49	0-360	199	V

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/C bl/6GHz z HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	* 7.714	39.04	PK	36.2	-28.3	46.94	53.97	-7.03	74	-27.06	0-360	100	H
8	* 7.714	41.03	PK	36.2	-28.3	48.93	53.97	-5.04	74	-25.07	0-360	199	V

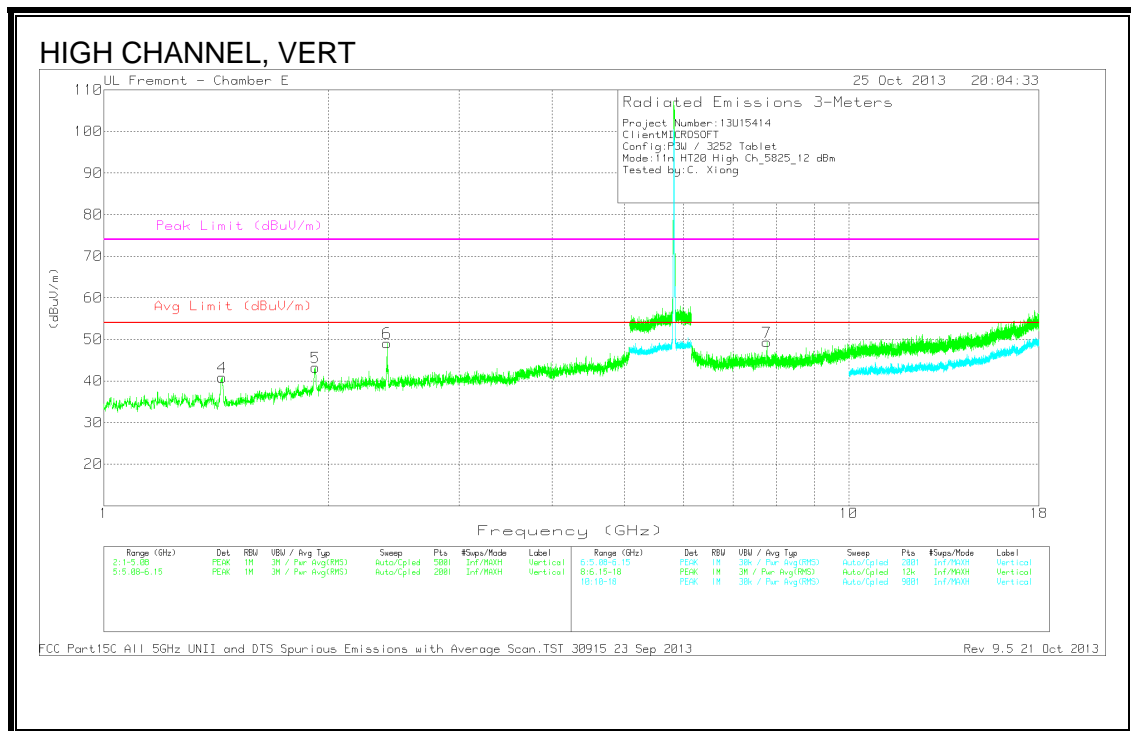
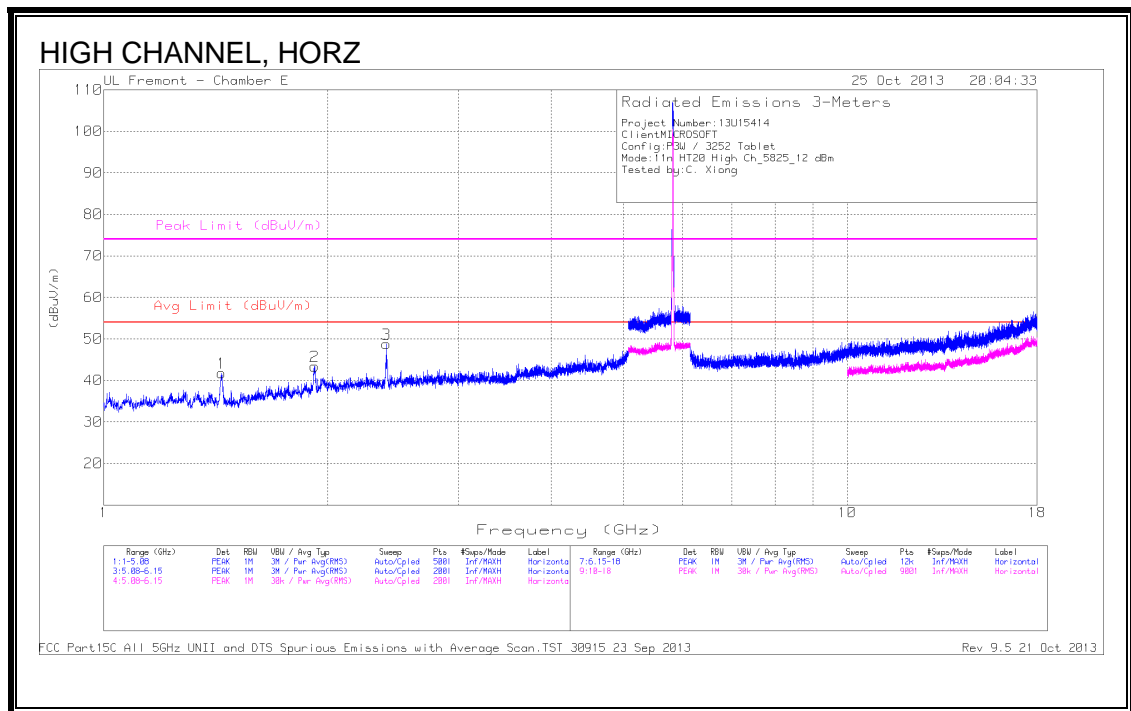
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/6GHz HPF	Corrected Reading (dBuV/ m)	Avg Limit (dBuV/ m)	Margi n (dB)	Peak Limit (dBuV/ m)	Margi n (dB)	Azimu t (Degs)	Heigh t (cm)	Polarit y
* 7.713	38.23	MAv 1	36.2	-28.3	46.13	53.97	-7.84	-	-	0	237	V

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

PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL



HIGH CHANNEL DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5GHz z LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.441	47.46	PK	28.9	-34.6	41.76	53.97	-12.21	74	-32.24	0-360	100	H
2	1.922	44.82	PK	31.6	-33	43.42	53.97	-10.55	74	-30.58	0-360	199	H
3	2.401	49.59	PK	32.6	-33.4	48.79	53.97	-5.18	74	-25.21	0-360	199	H
4	* 1.442	46.58	PK	28.9	-34.6	40.88	53.97	-13.09	74	-33.12	0-360	199	V
5	1.924	44.64	PK	31.6	-33	43.24	53.97	-10.73	74	-30.76	0-360	199	V
6	2.401	49.91	PK	32.6	-33.4	49.11	53.97	-4.86	74	-24.89	0-360	199	V

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/6GHz z HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	7.767	41.14	PK	36.2	-28	49.34	53.97	-4.63	74	-24.66	0-360	199	V

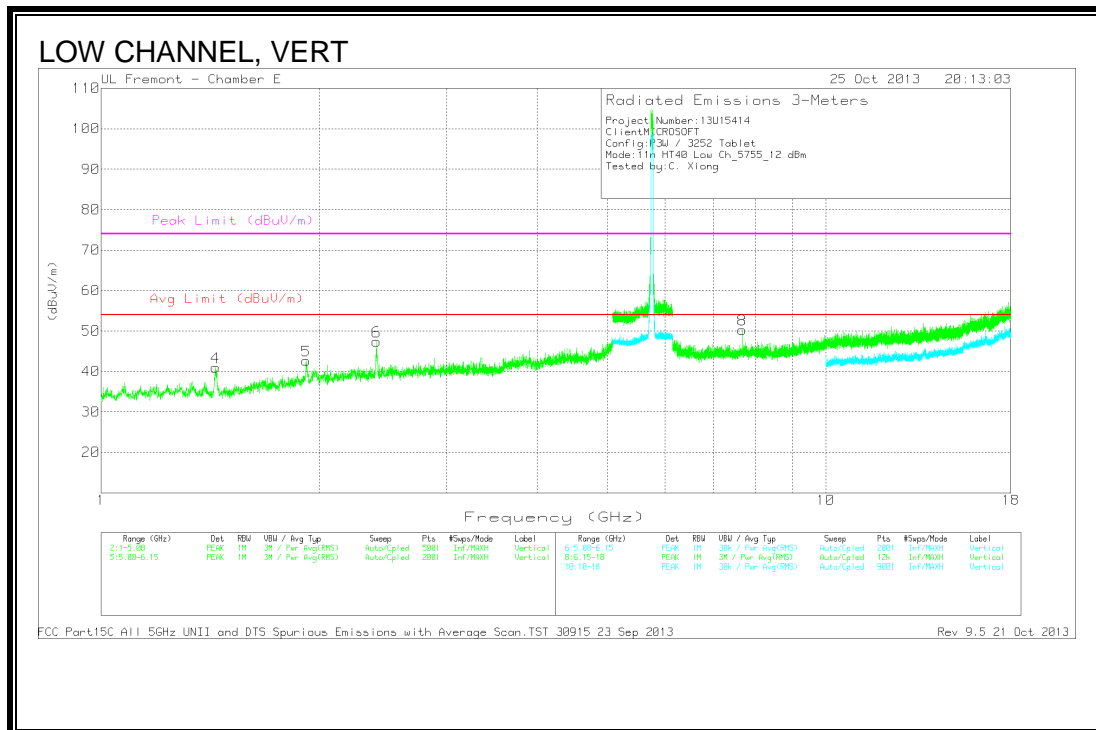
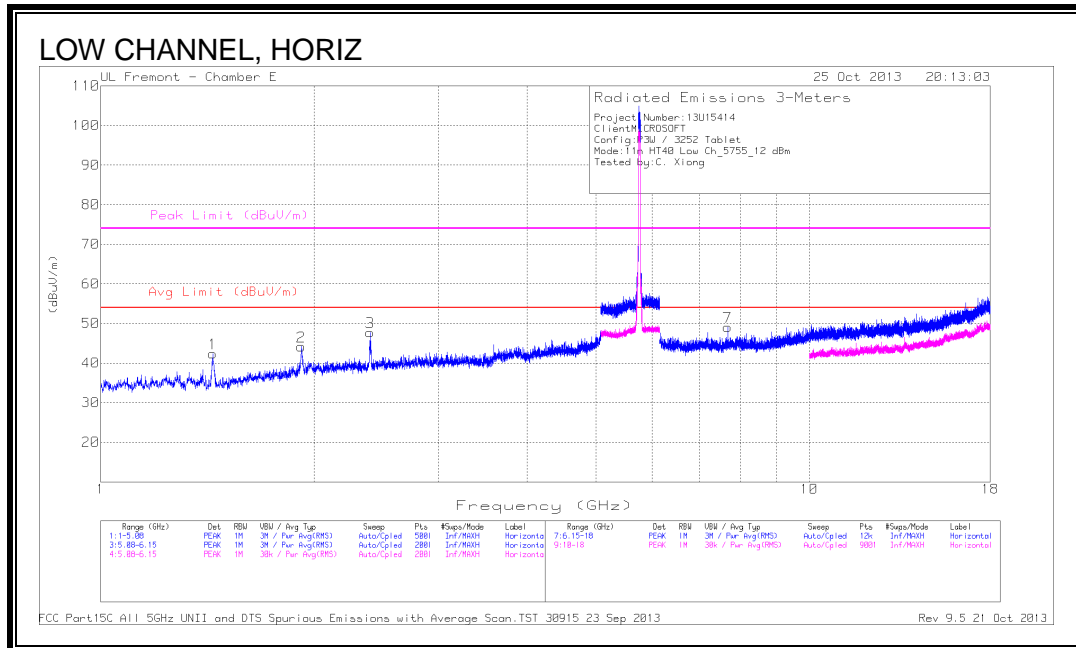
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



LOW Channel DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.44	48.12	PK	28.9	-34.6	42.42	53.97	-11.55	74	-31.58	0-360	101	H
2	1.92	45.61	PK	31.6	-33	44.21	53.97	-9.76	74	-29.79	0-360	101	H
3	2.401	48.57	PK	32.6	-33.4	47.77	53.97	-6.2	74	-26.23	0-360	101	H
4	* 1.439	46.72	PK	28.9	-34.6	41.02	53.97	-12.95	74	-32.98	0-360	200	V
5	1.919	44.15	PK	31.6	-33.1	42.65	53.97	-11.32	74	-31.35	0-360	100	V
6	2.401	48.19	PK	32.6	-33.4	47.39	53.97	-6.58	74	-26.61	0-360	200	V

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/6GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	* 7.674	40.89	PK	36.2	-28	49.09	53.97	-4.88	74	-24.91	0-360	199	H
8	* 7.674	42.09	PK	36.2	-28	50.29	53.97	-3.68	74	-23.71	0-360	101	V

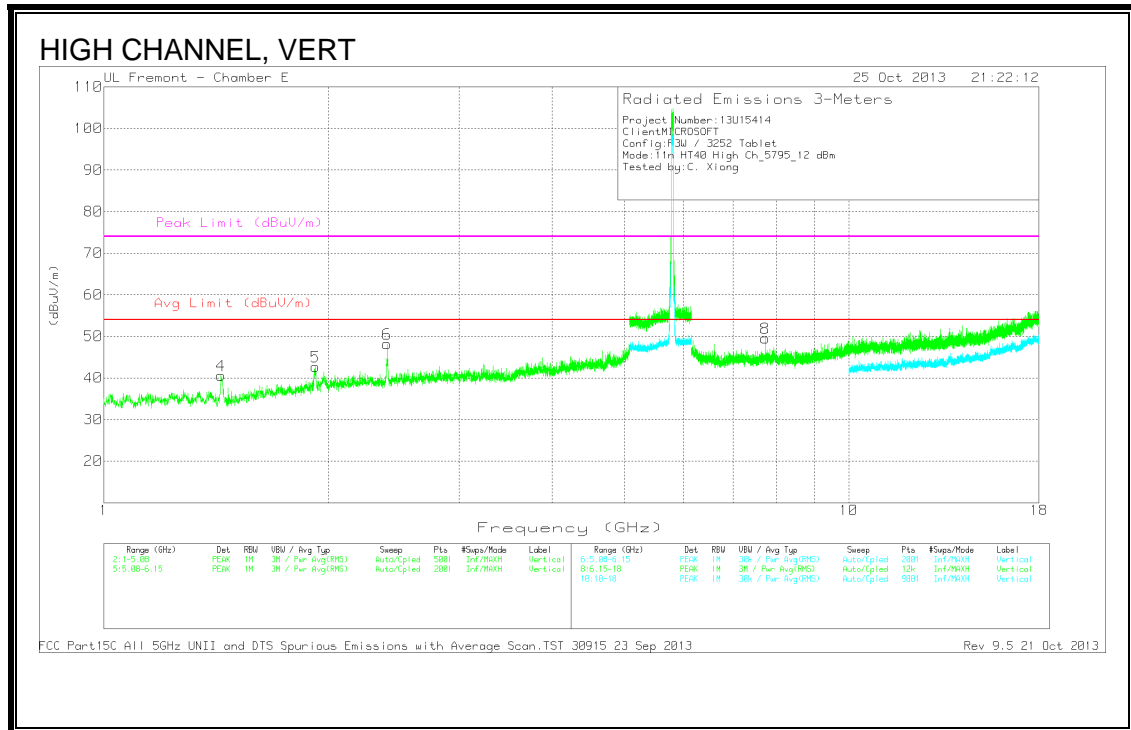
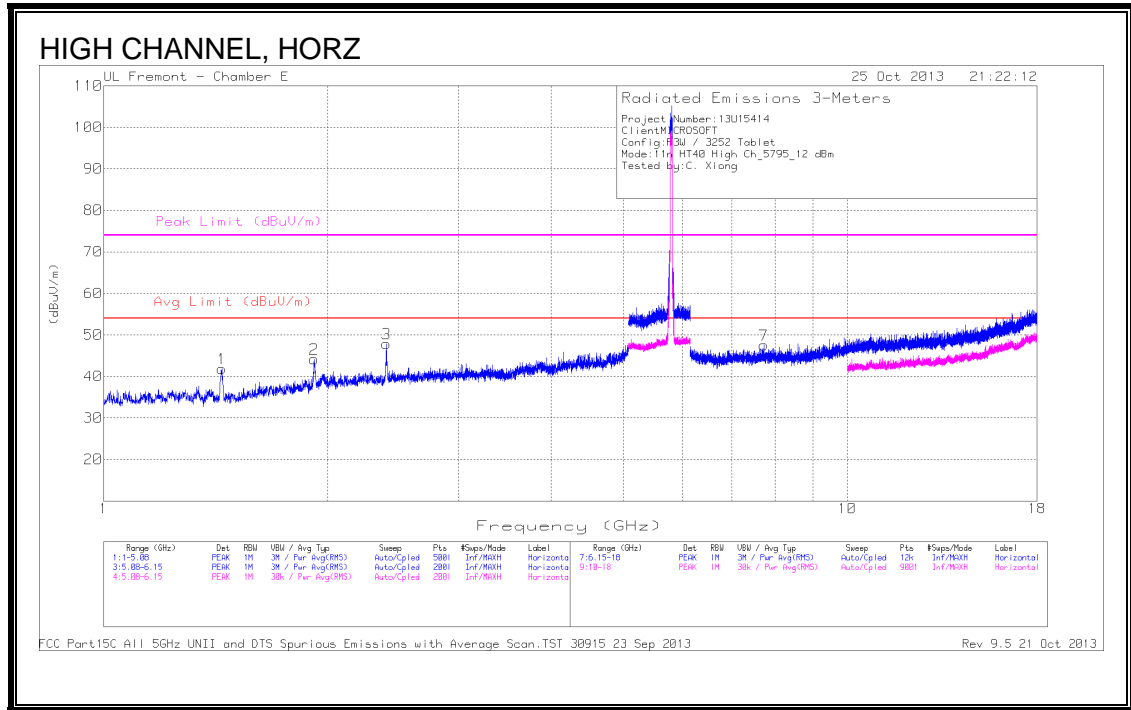
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/6GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.673	34.13	MAV1	36.2	-28	42.33	53.97	-11.64	-	-	218	176	H
* 7.673	38.14	MAV1	36.2	-28	46.34	53.97	-7.63	-	-	352	356	V

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

PK - Peak detector

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL



HIGH CHANNEL DATA

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.442	47.56	PK	28.9	-34.6	41.86	53.97	-12.11	74	-32.14	0-360	100	H
2	1.919	45.67	PK	31.6	-33.1	44.17	53.97	-9.8	74	-29.83	0-360	100	H
3	2.401	48.7	PK	32.6	-33.4	47.9	53.97	-6.07	74	-26.1	0-360	199	H
4	* 1.437	46.21	PK	28.9	-34.5	40.61	53.97	-13.36	74	-33.39	0-360	199	V
5	1.925	44.11	PK	31.6	-33	42.71	53.97	-11.26	74	-31.29	0-360	199	V
6	2.401	48.99	PK	32.6	-33.4	48.19	53.97	-5.78	74	-25.81	0-360	199	V

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/6GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	* 7.727	39.77	PK	36.2	-28.4	47.57	53.97	-6.4	74	-26.43	0-360	199	H
8	* 7.727	41.75	PK	36.2	-28.4	49.55	53.97	-4.42	74	-24.45	0-360	199	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb l/6GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.727	38.92	MAv1	36.2	-28.4	46.72	53.97	-7.25	-	-	5	151	V

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

PK - Peak detector

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

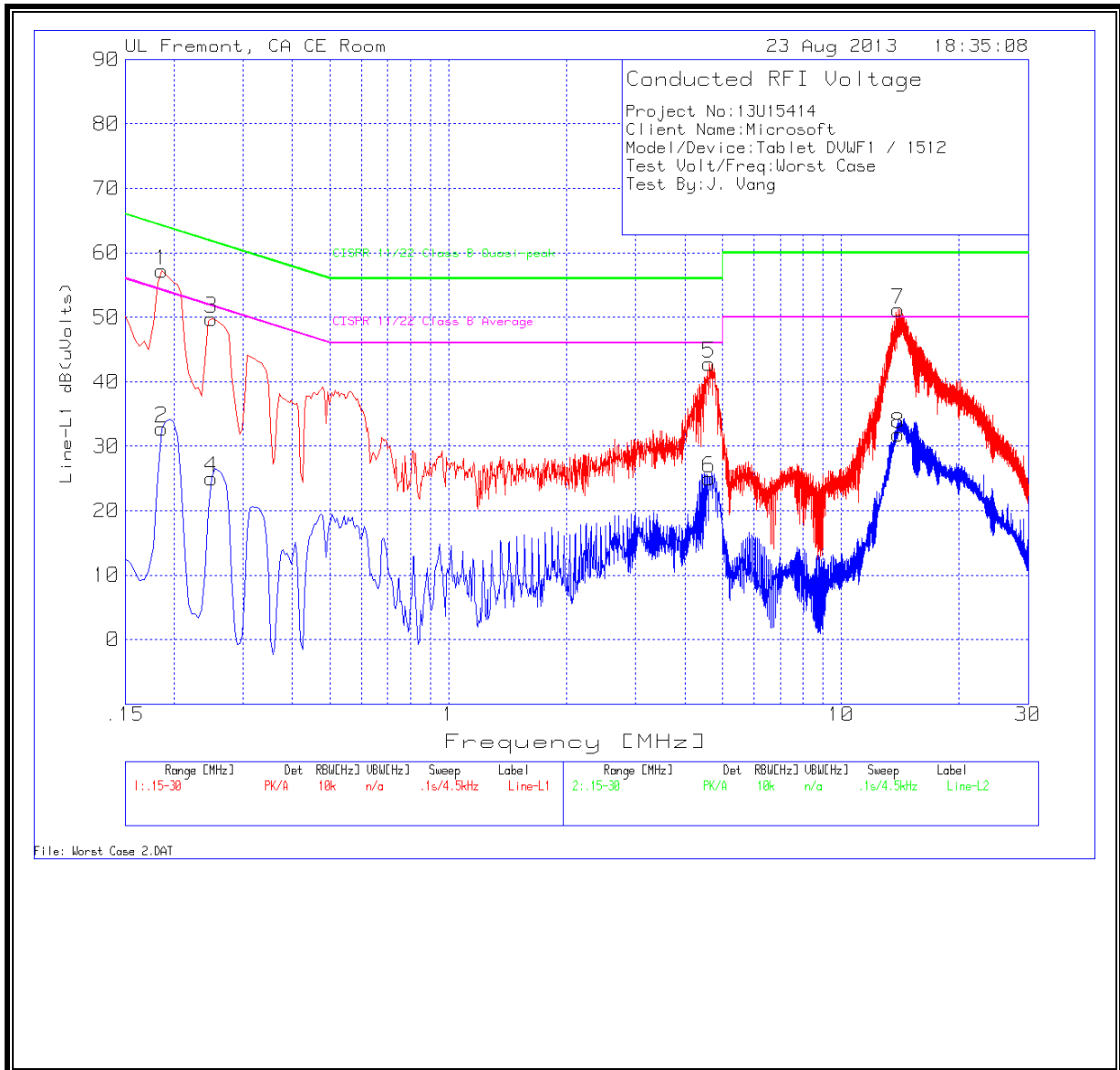
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

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



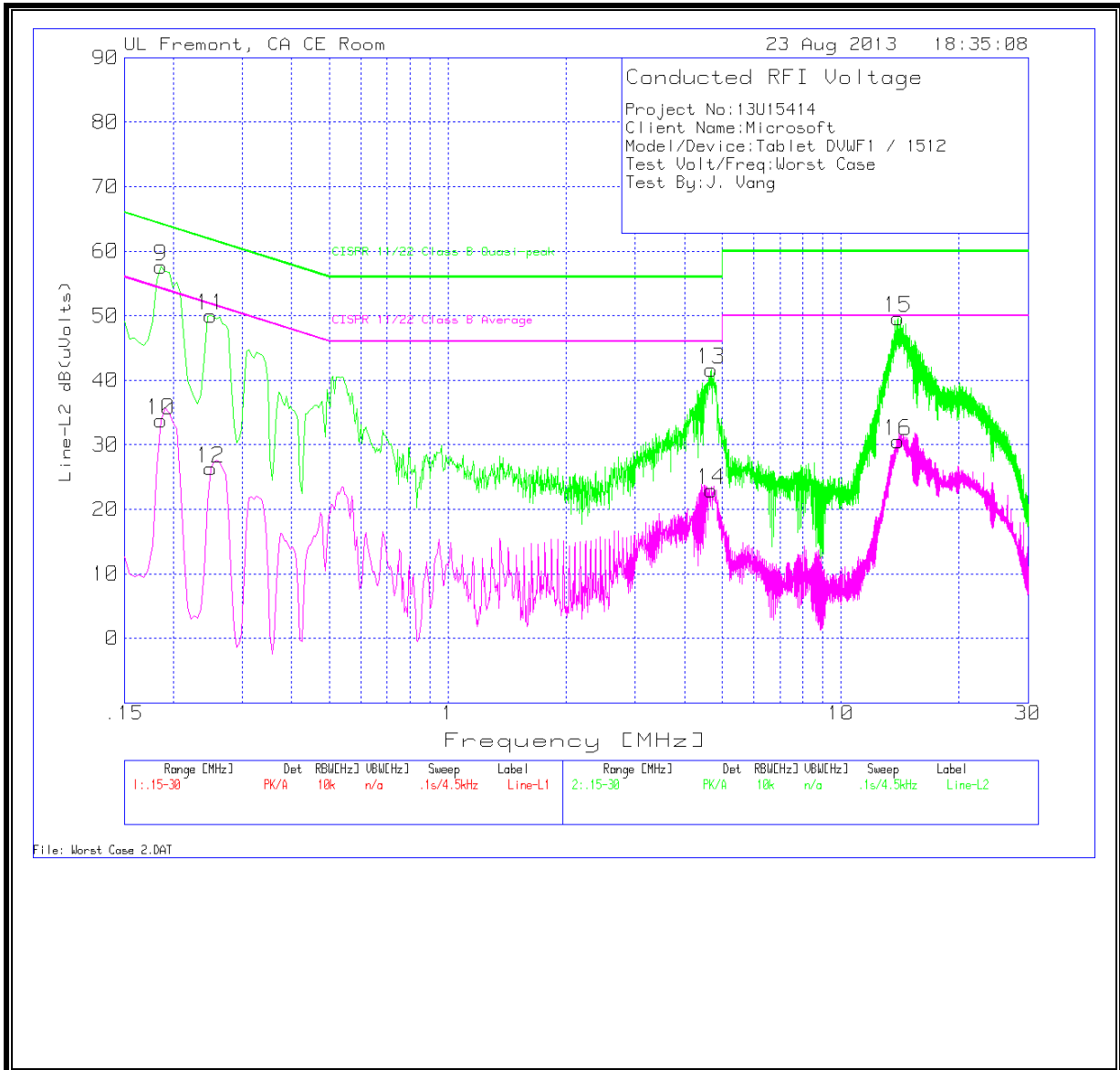
DATA LINE 1 RESULTS

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