

### 8.10.5. PSD

#### LIMITS

FCC §15.247

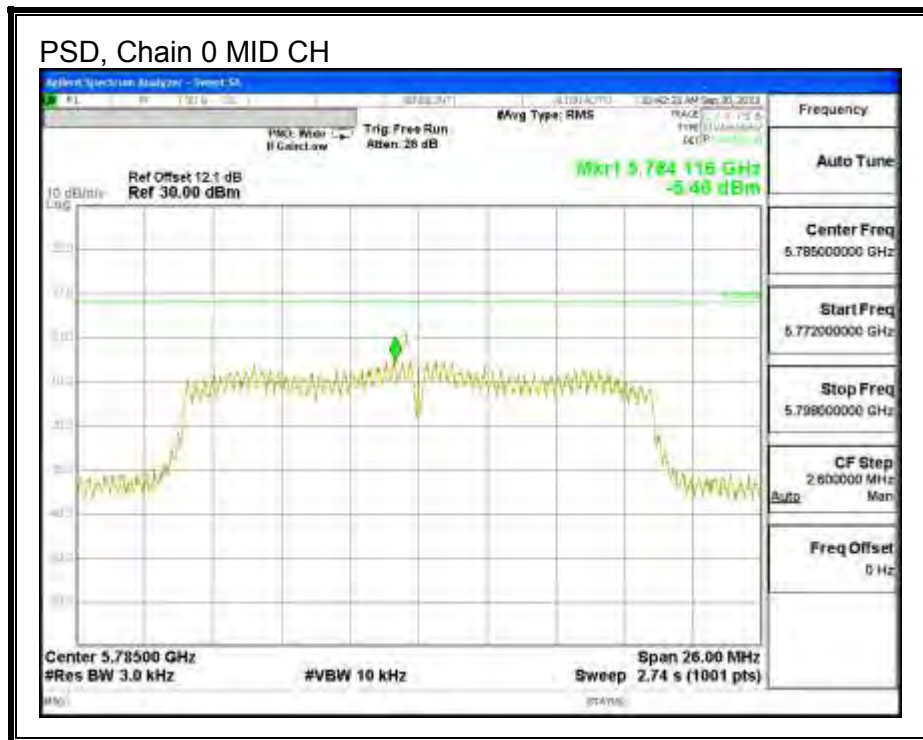
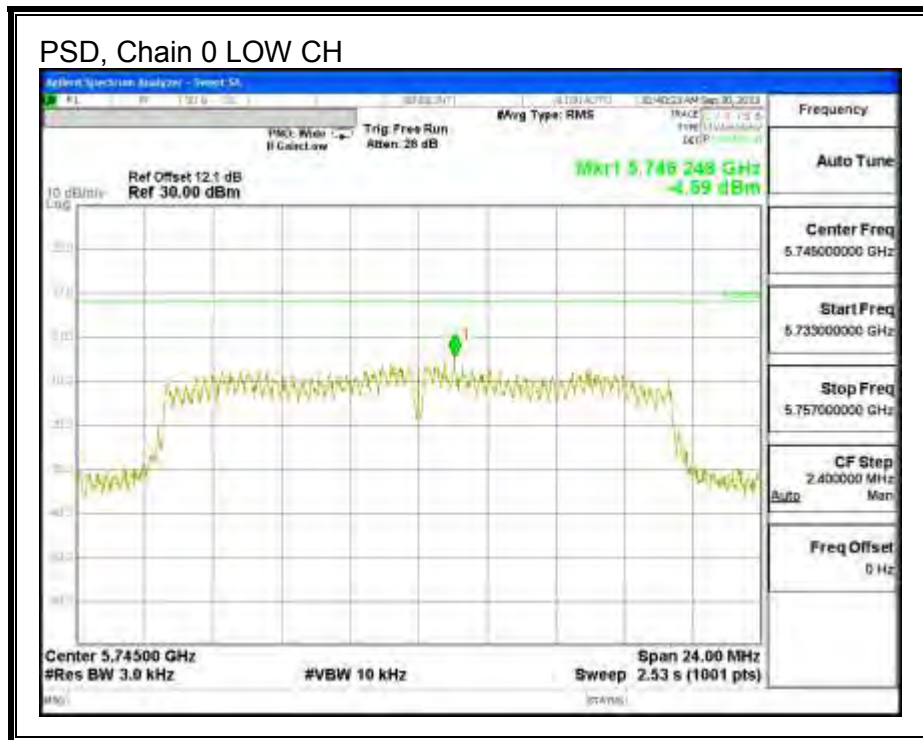
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

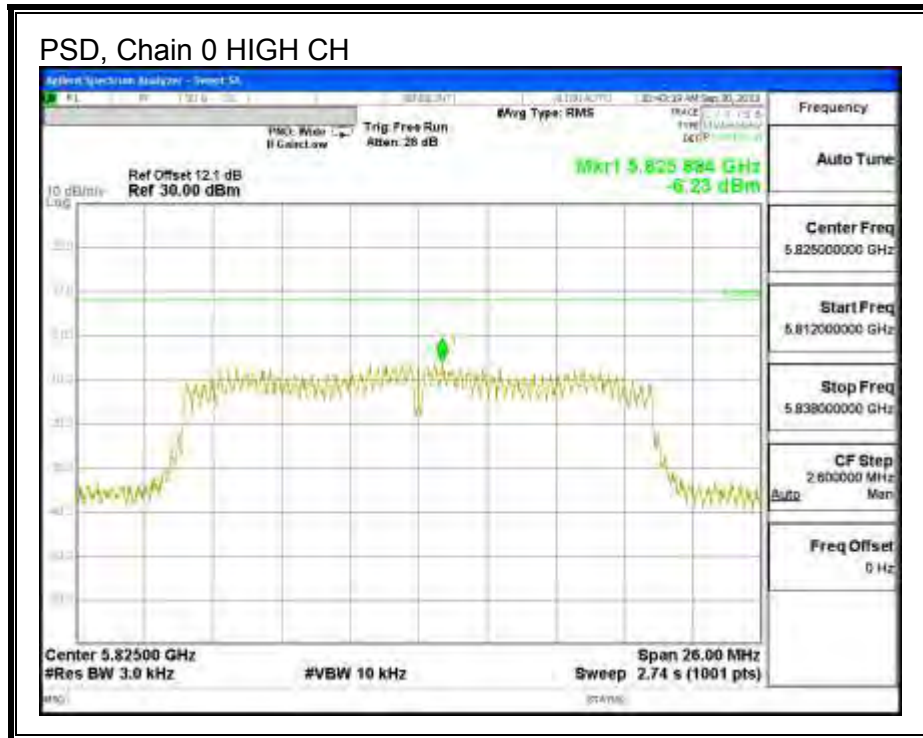
#### RESULTS

##### PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Limit (dBm)	Margin (dB)
Low	5745	-4.59	8.0	-12.6
Mid	5785	-5.46	8.0	-13.5
High	5825	-6.23	8.0	-14.2

**PSD, Chain 0**





## 8.10.6. OUT-OF-BAND EMISSIONS

### LIMITS

FCC §15.247 (d)

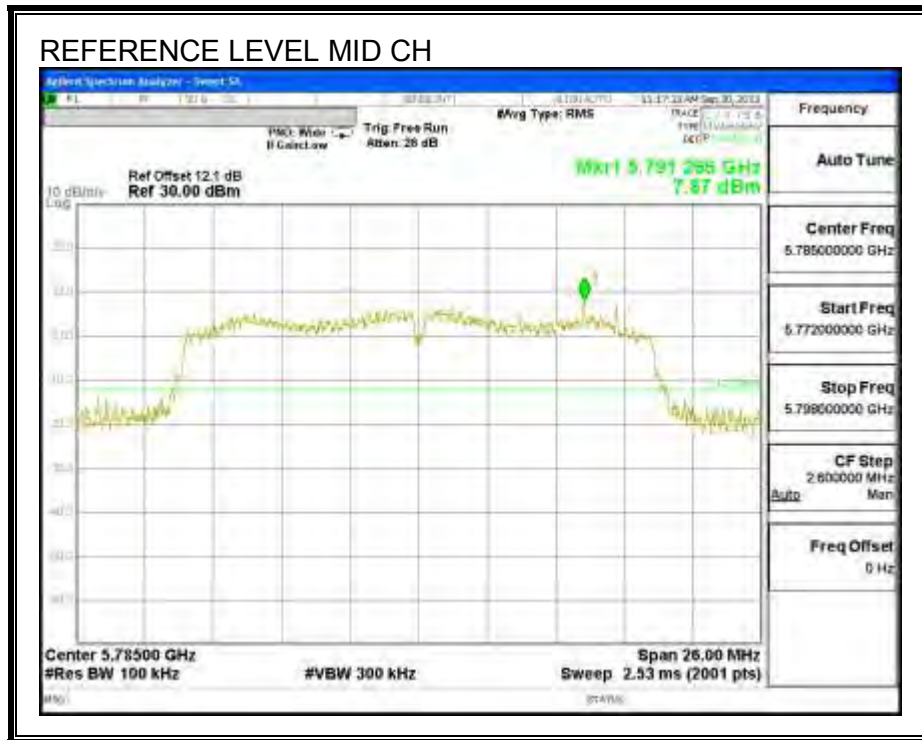
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

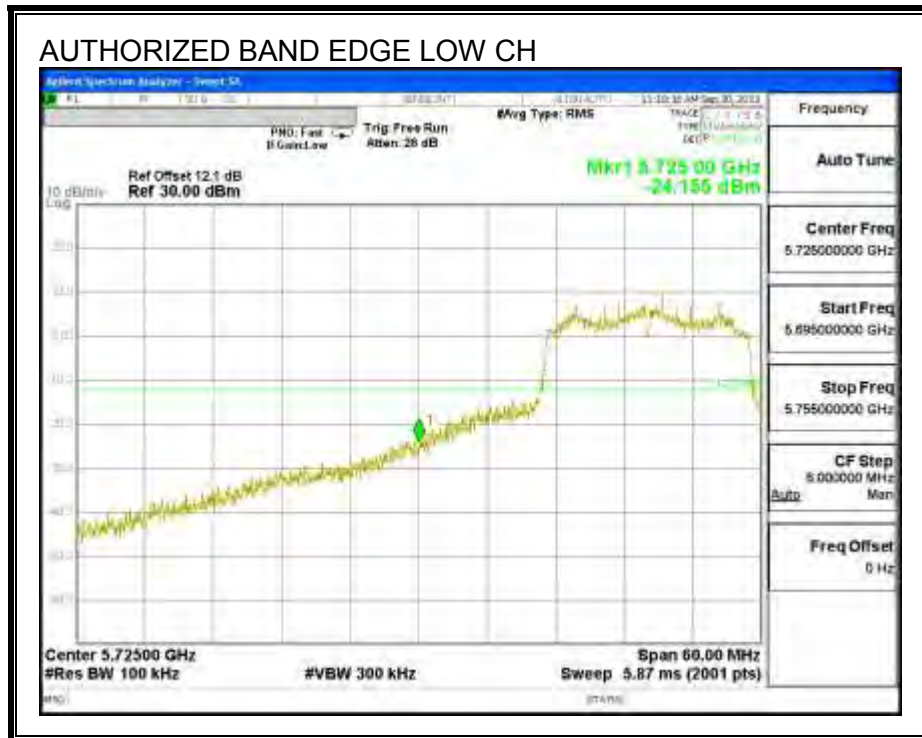
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

**RESULTS**

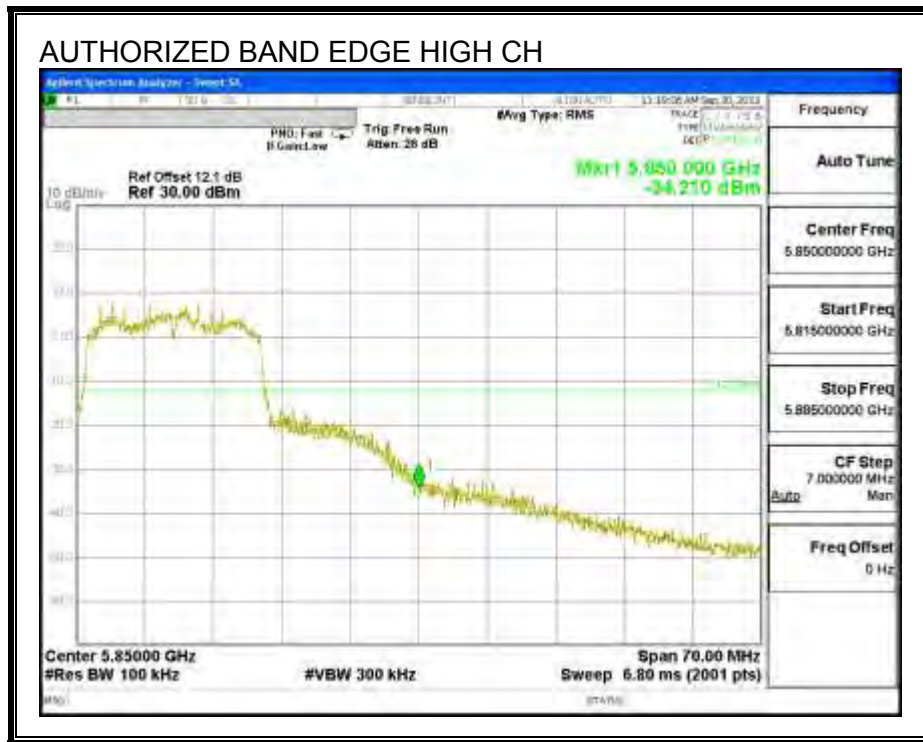
**IN-BAND REFERENCE LEVEL**



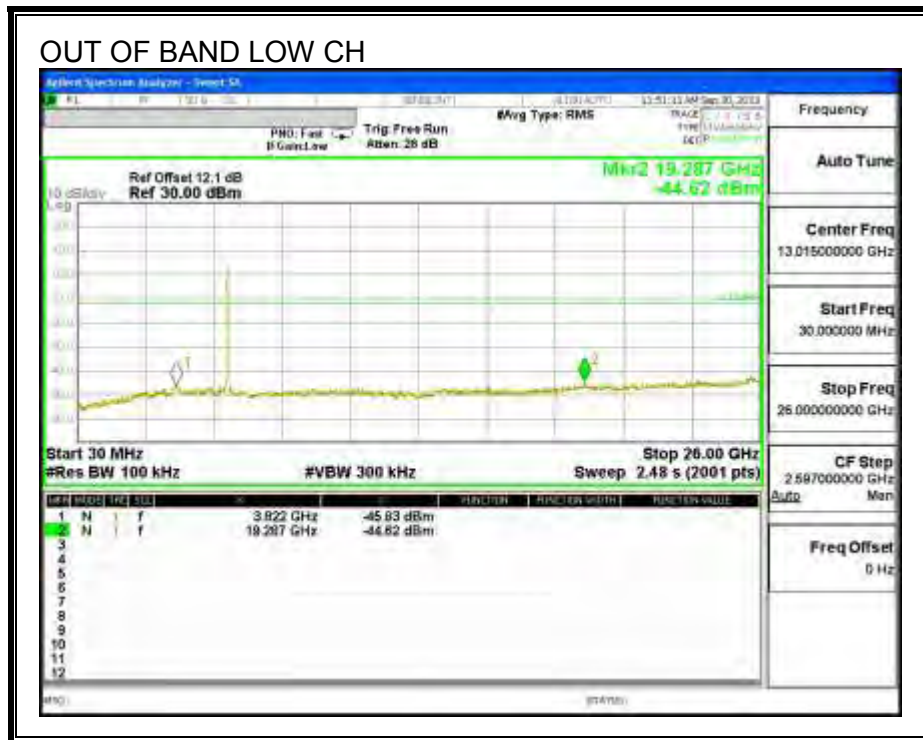
**LOW CHANNEL BANDEDGE**

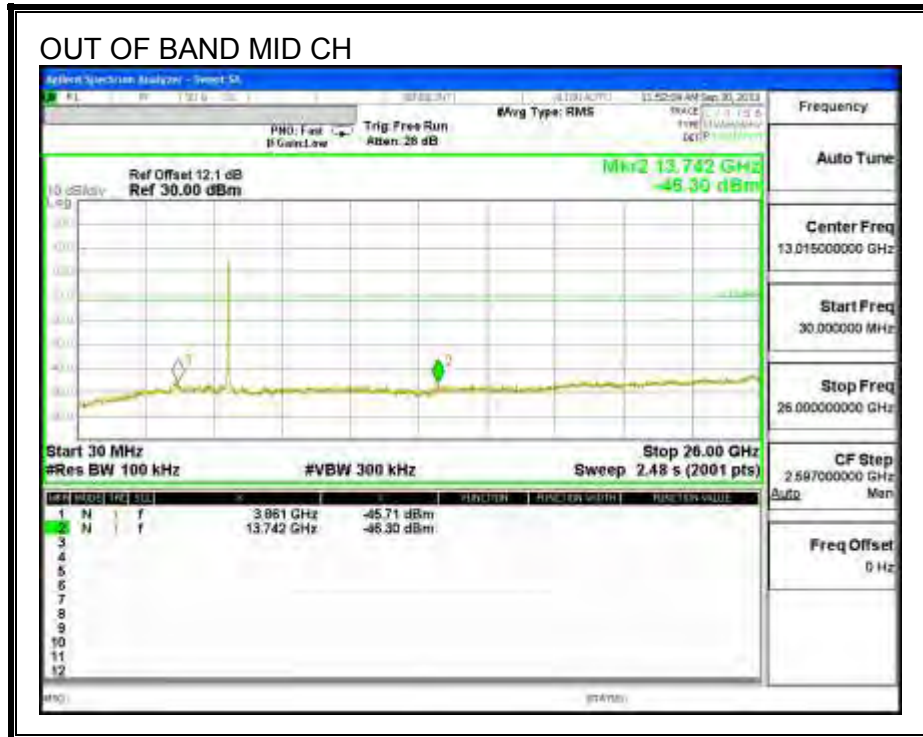
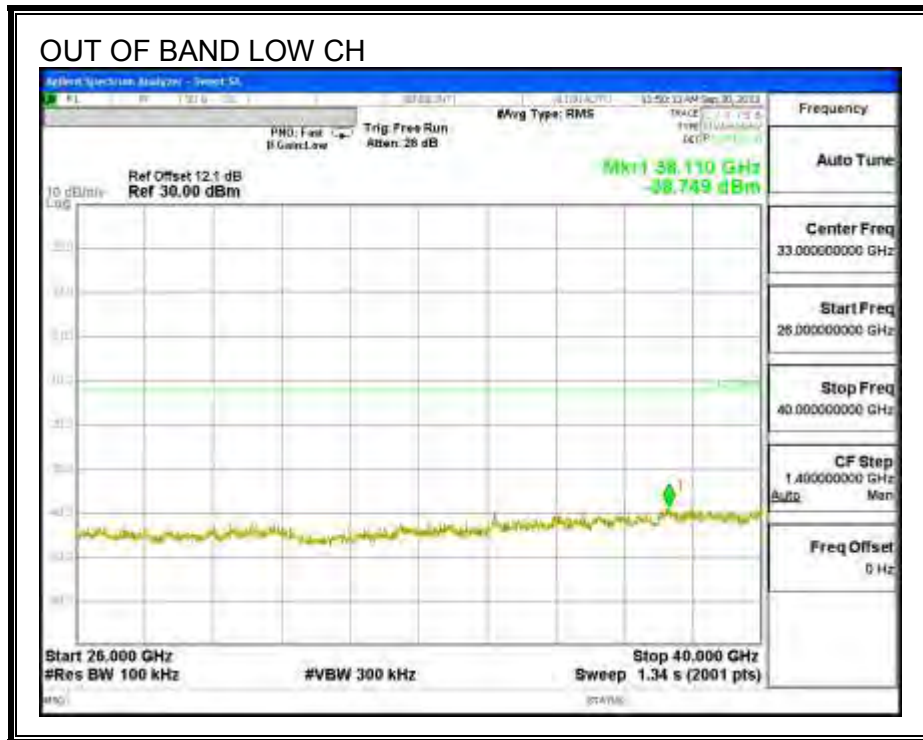


**HIGH CHANNEL BANDEDGE**

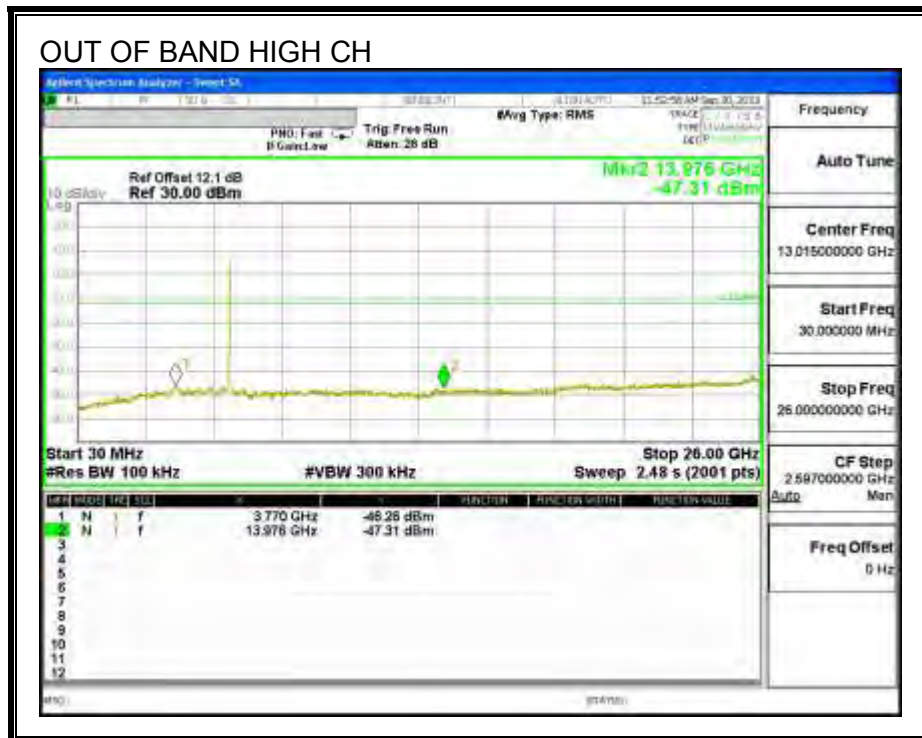
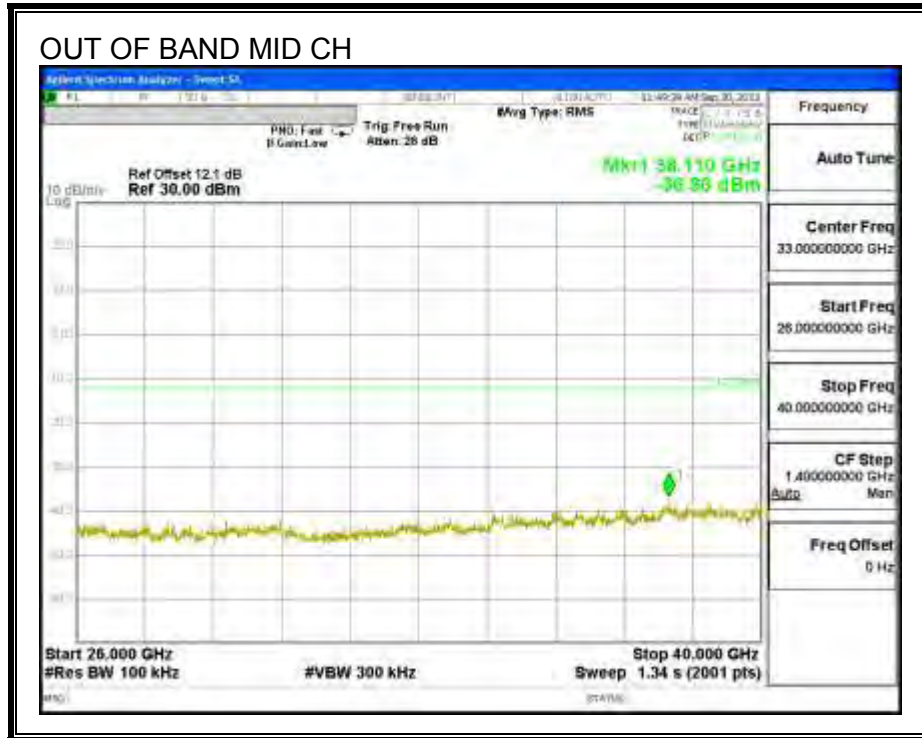


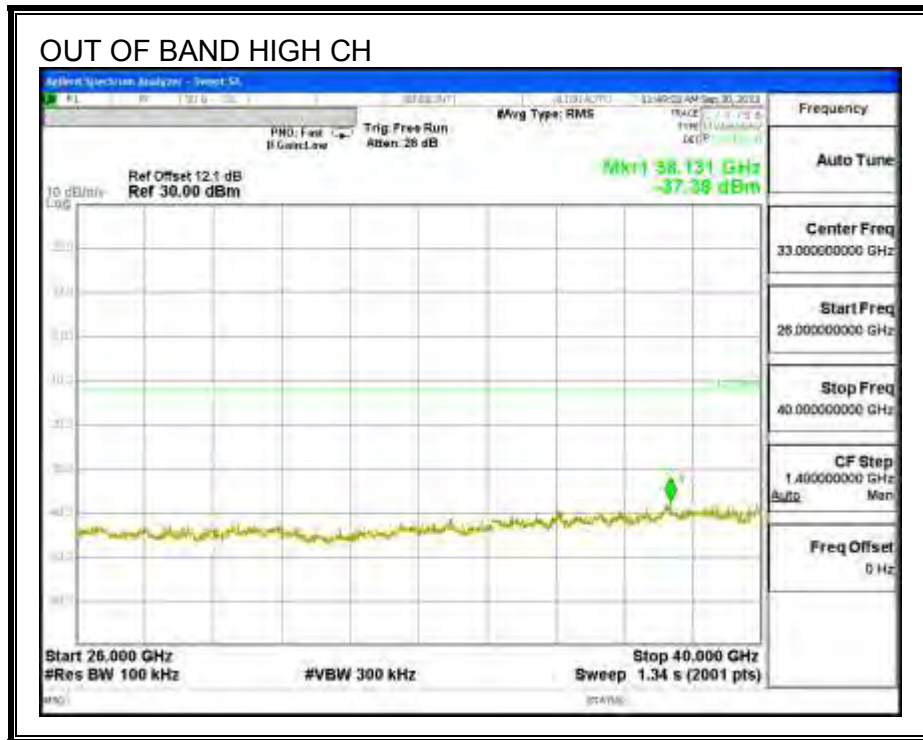
**OUT-OF-BAND EMISSIONS**











## 8.11. 802.11n HT20 2TX CDD MODE IN THE 5.8 GHZ BAND

### 8.11.1. 6 dB BANDWIDTH

#### LIMITS

FCC §15.247 (a) (2)

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

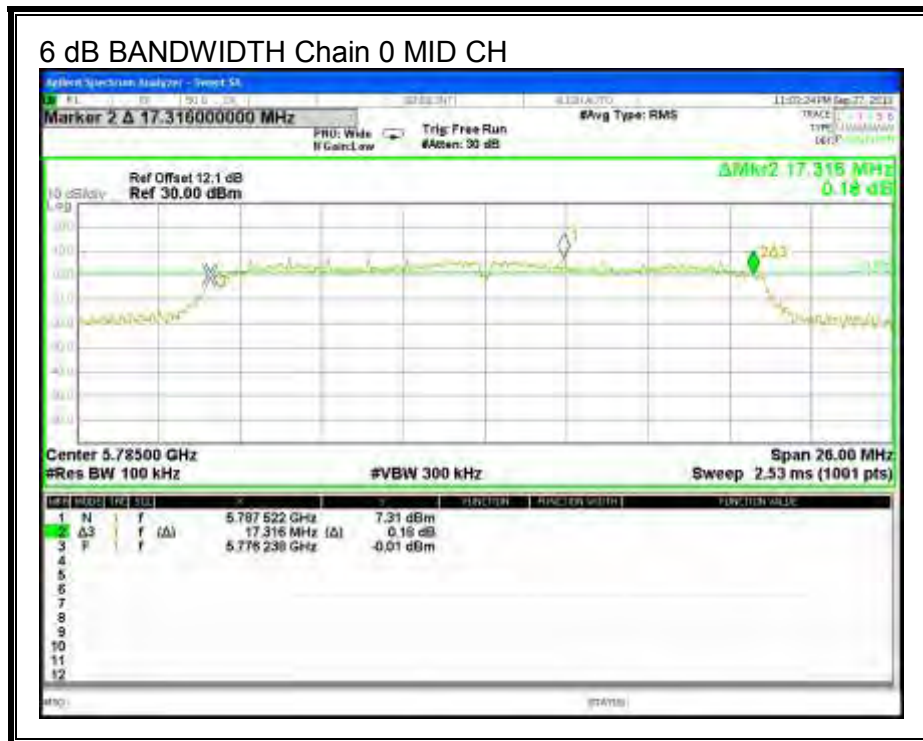
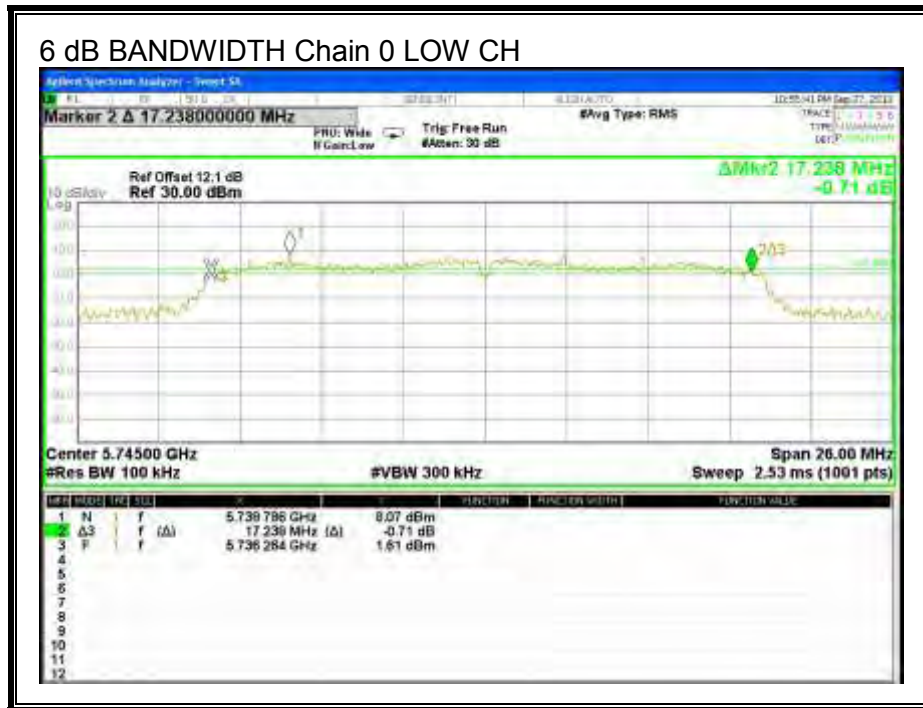
#### TEST PROCEDURE

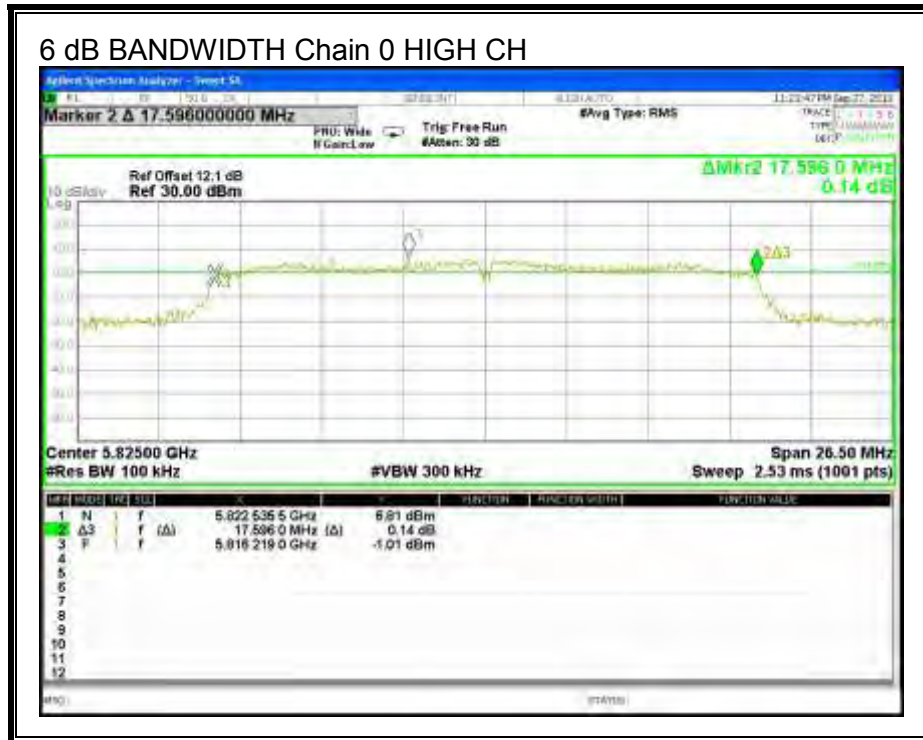
558074 D01 DTS Meas Guidance v03r01 "Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under 15.247".

#### RESULTS

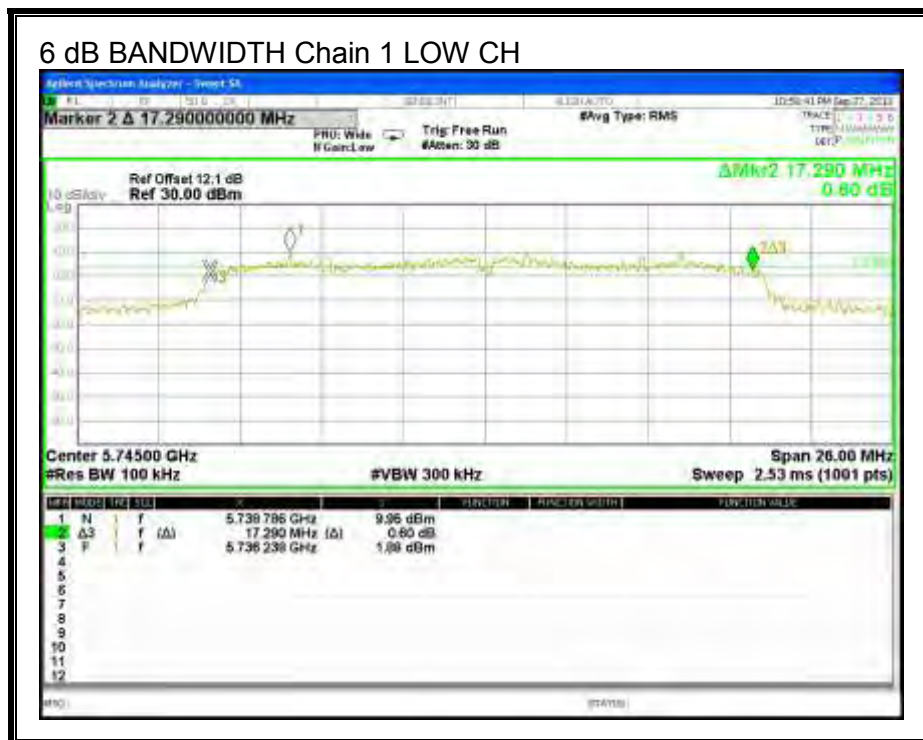
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	17.238	17.290	0.5
Mid	5785	17.316	16.926	0.5
High	5825	17.596	17.622	0.5

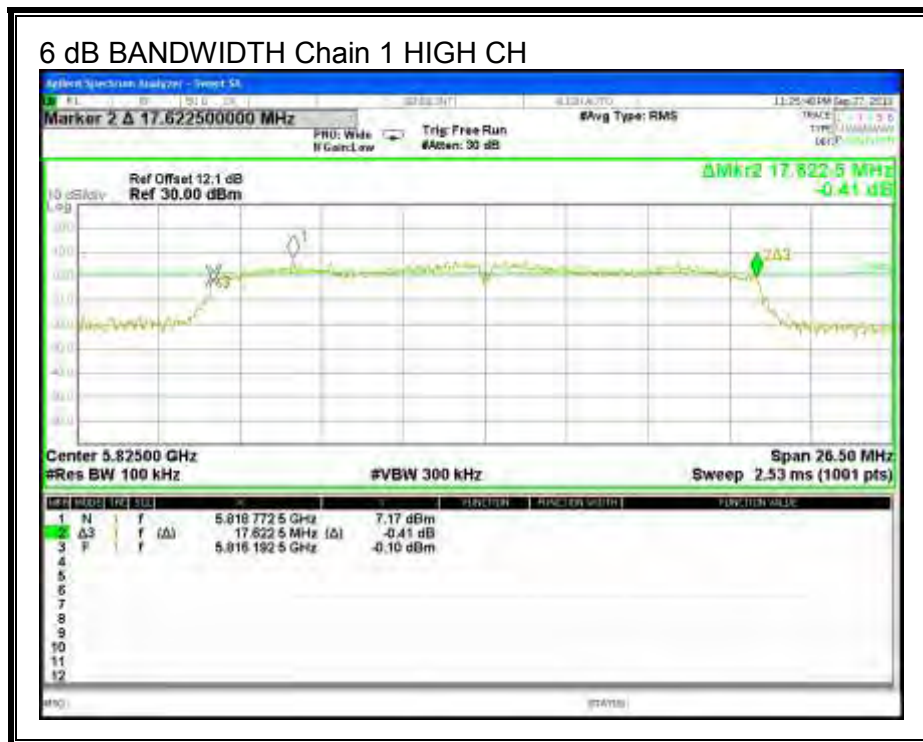
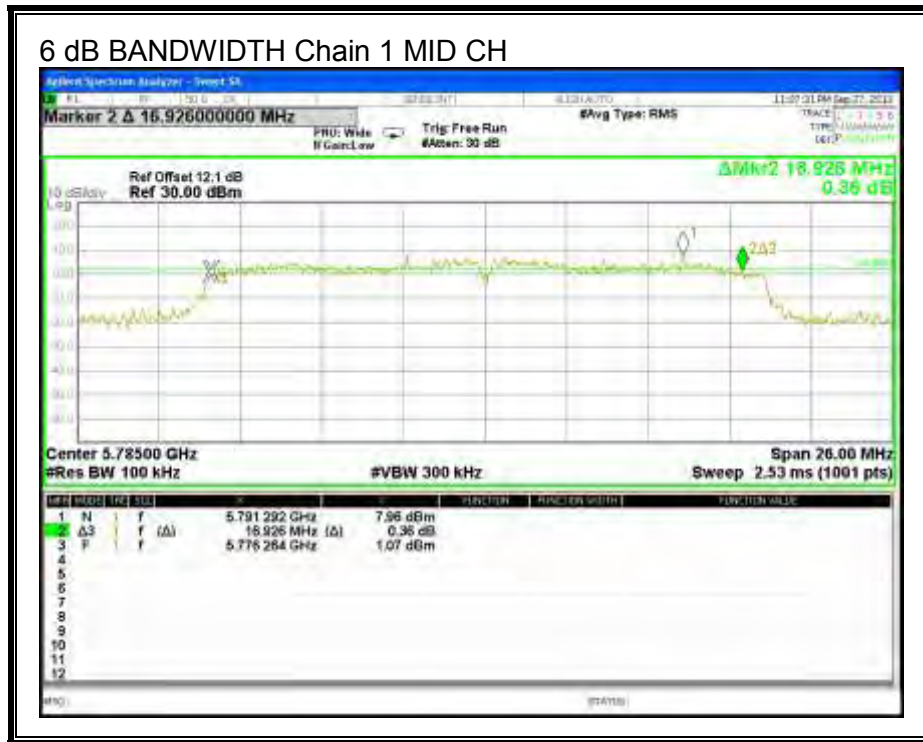
**6 dB BANDWIDTH, Chain 0**





**6 dB BANDWIDTH, Chain 1**





### 8.11.2. 99% BANDWIDTH

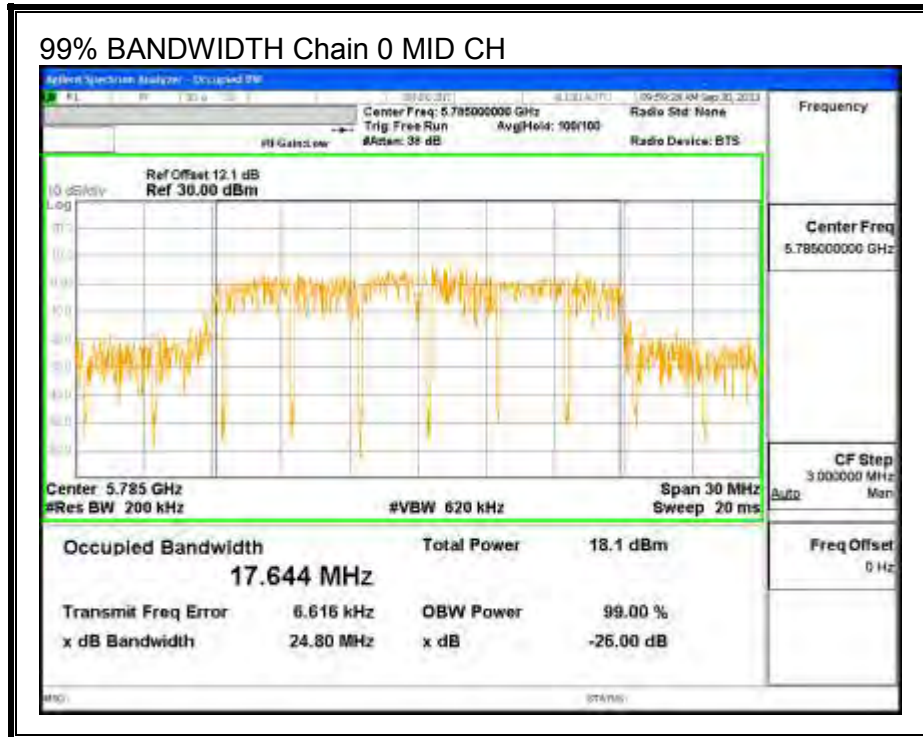
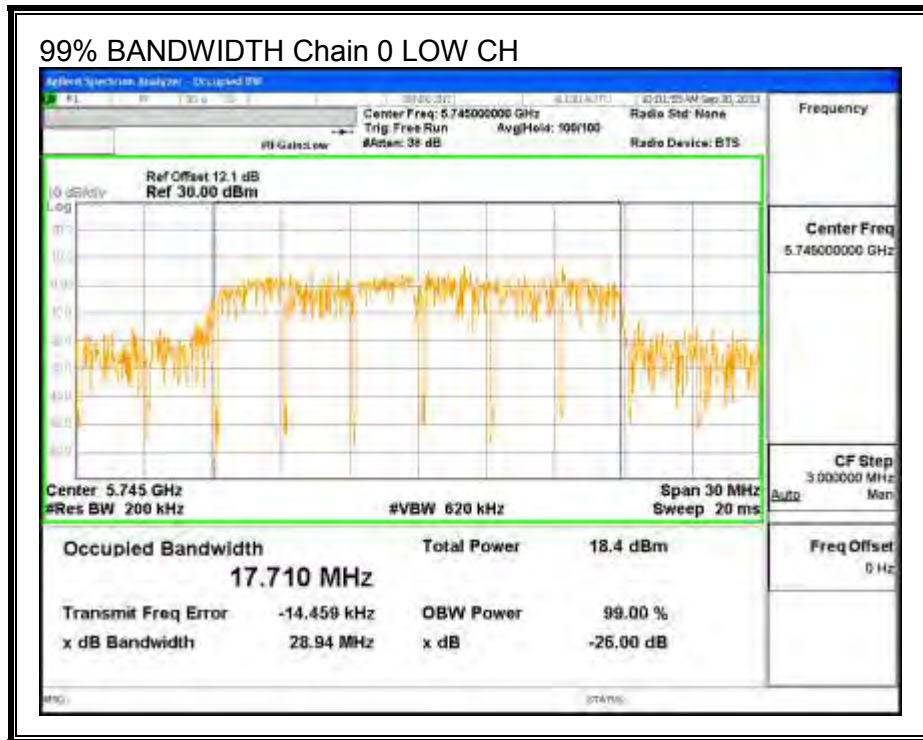
#### LIMITS

None; for reporting purposes only.

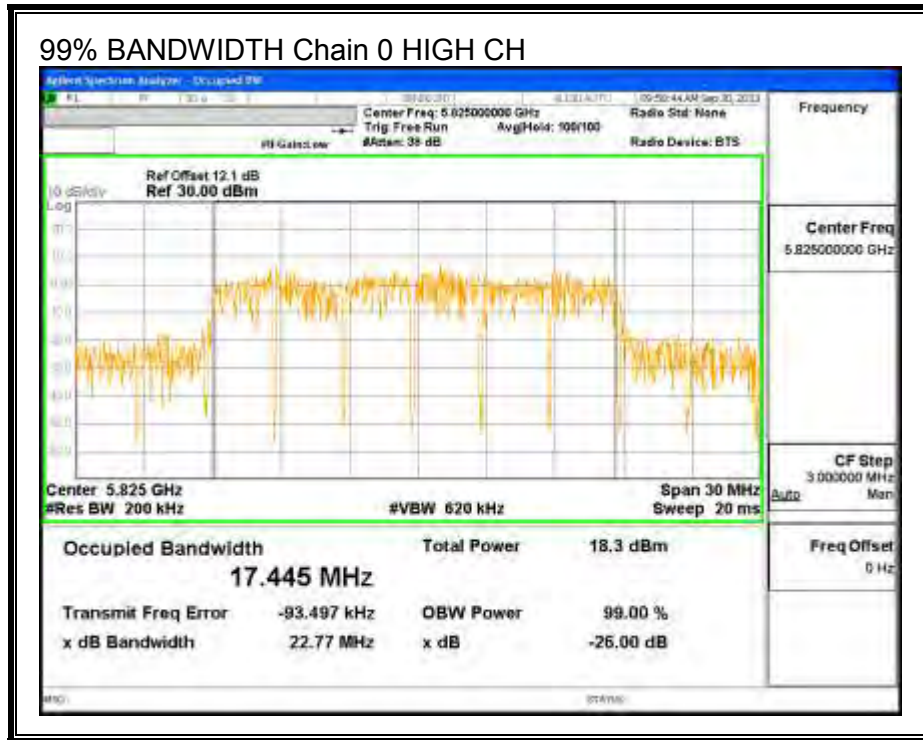
#### RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5745	17.710	17.660
Mid	5785	17.644	17.705
High	5825	17.445	17.585

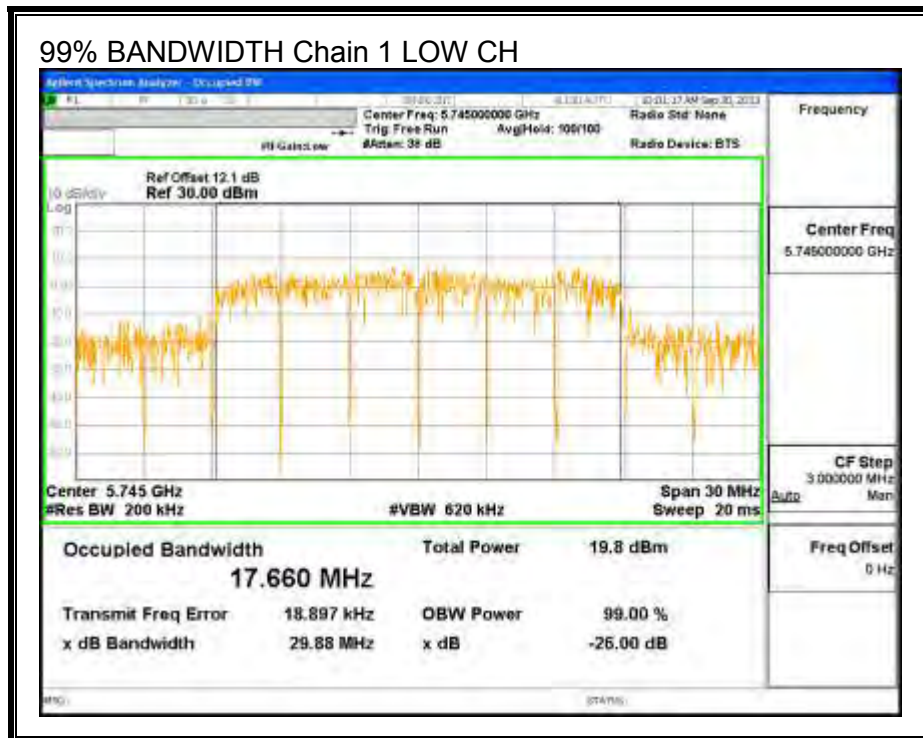
**99% BANDWIDTH, Chain 0**

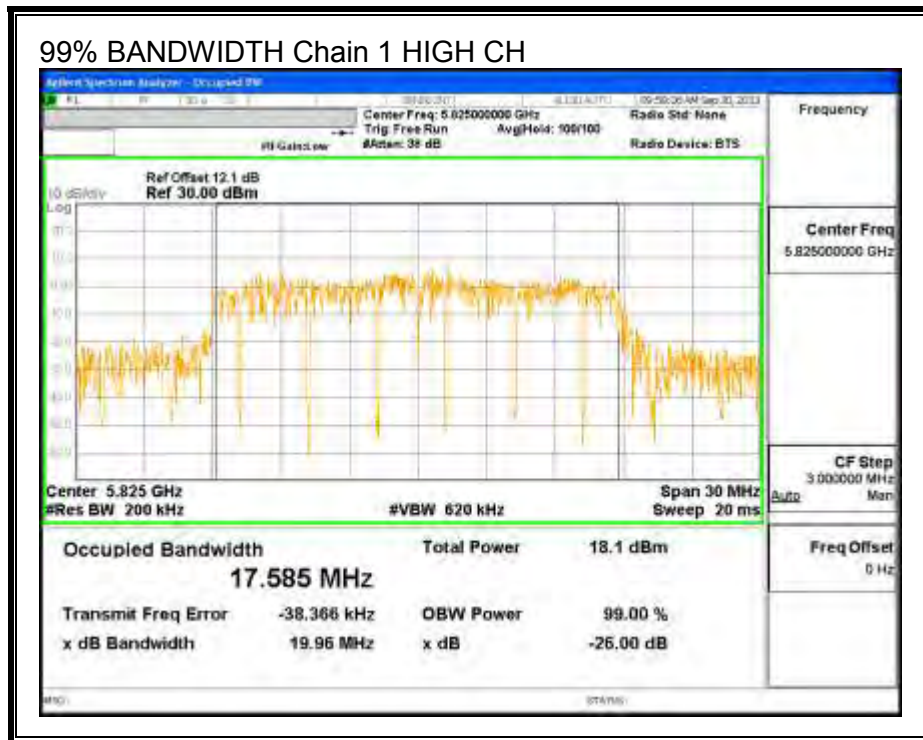
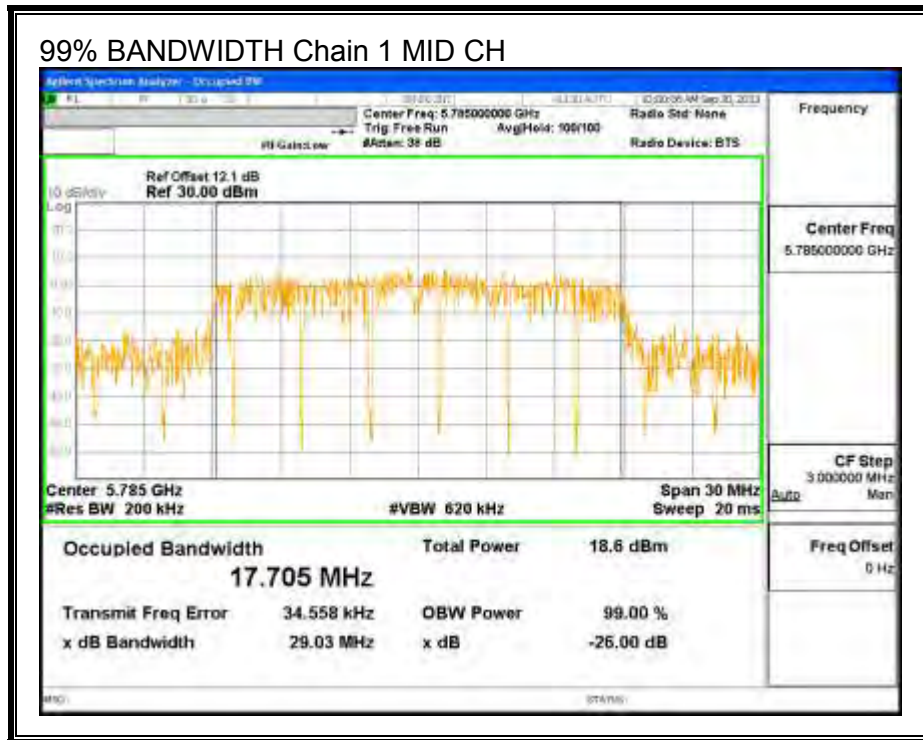






**99% BANDWIDTH, Chain 1**





### 8.11.3. 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 12.32dB (including 10 dB pad, 2.1 dB cable, and .22 duty cycle correction factor) 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	19.39	20.37	22.92
Mid	5785	19.20	19.33	22.28
High	5825	18.95	18.38	21.68

### 8.11.4. OUTPUT POWER

#### LIMITS

FCC §15.247

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
3.20	1.80	2.56

#### RESULTS

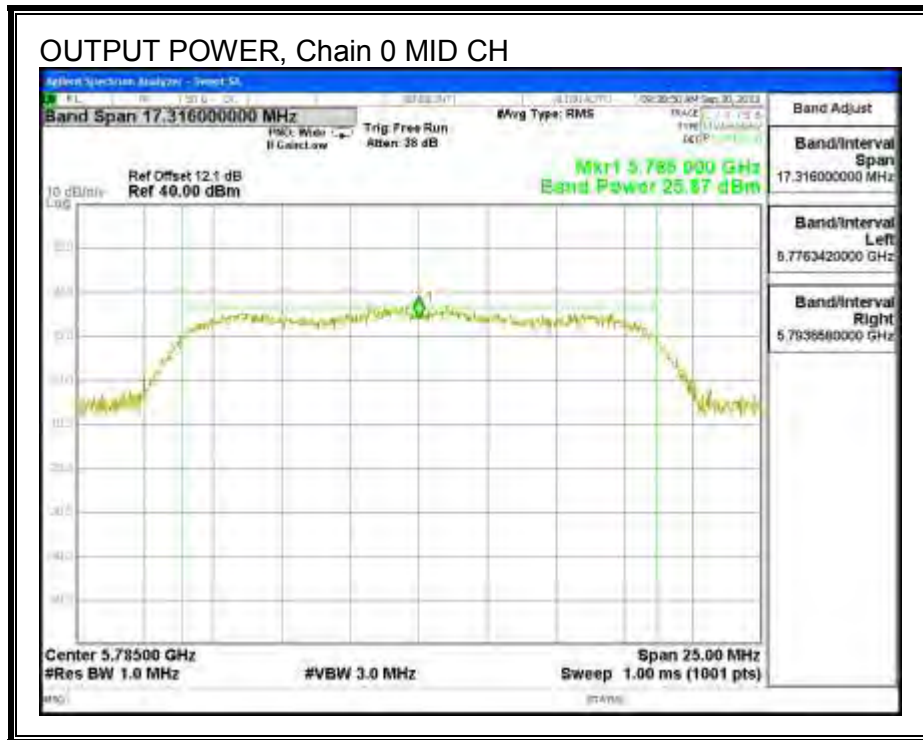
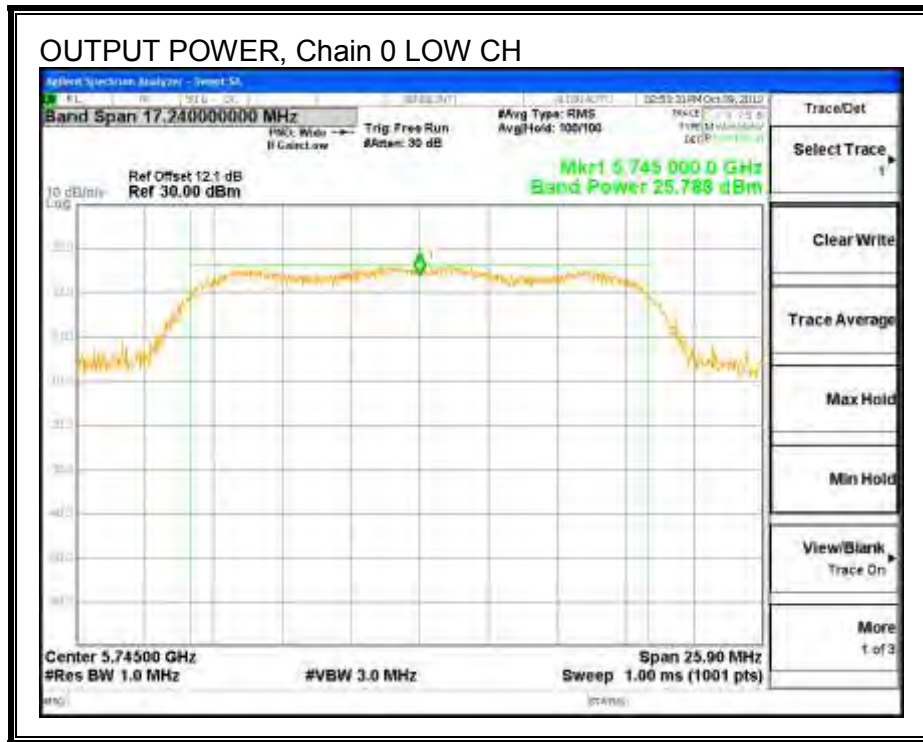
##### Limits

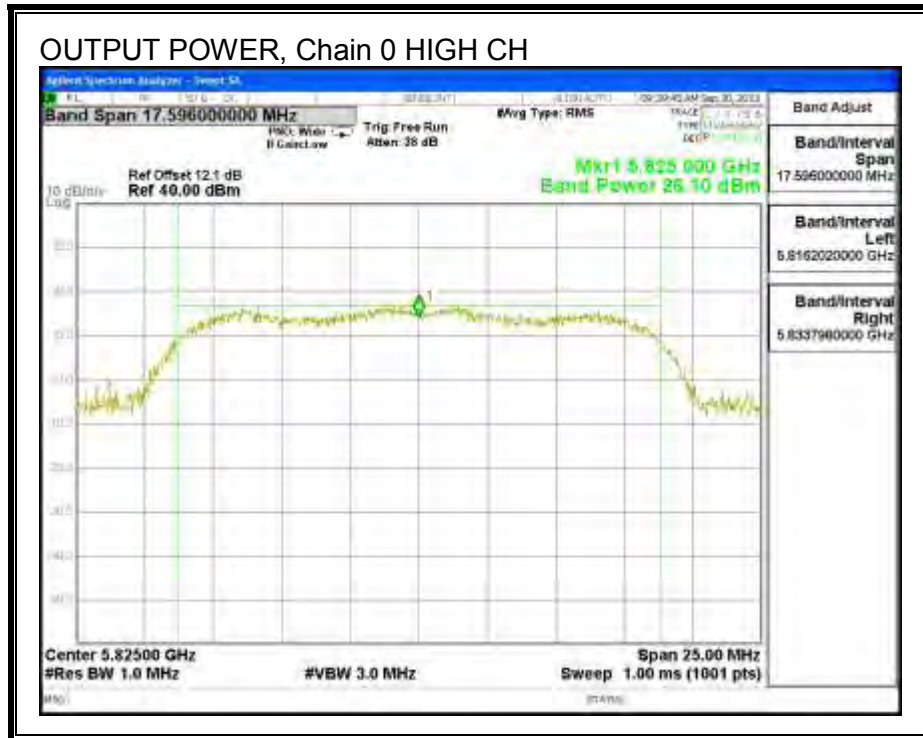
Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5745	2.56	30.00	30	36	30.00
Mid	5785	2.56	30.00	30	36	30.00
High	5825	2.56	30.00	30	36	30.00

##### Results

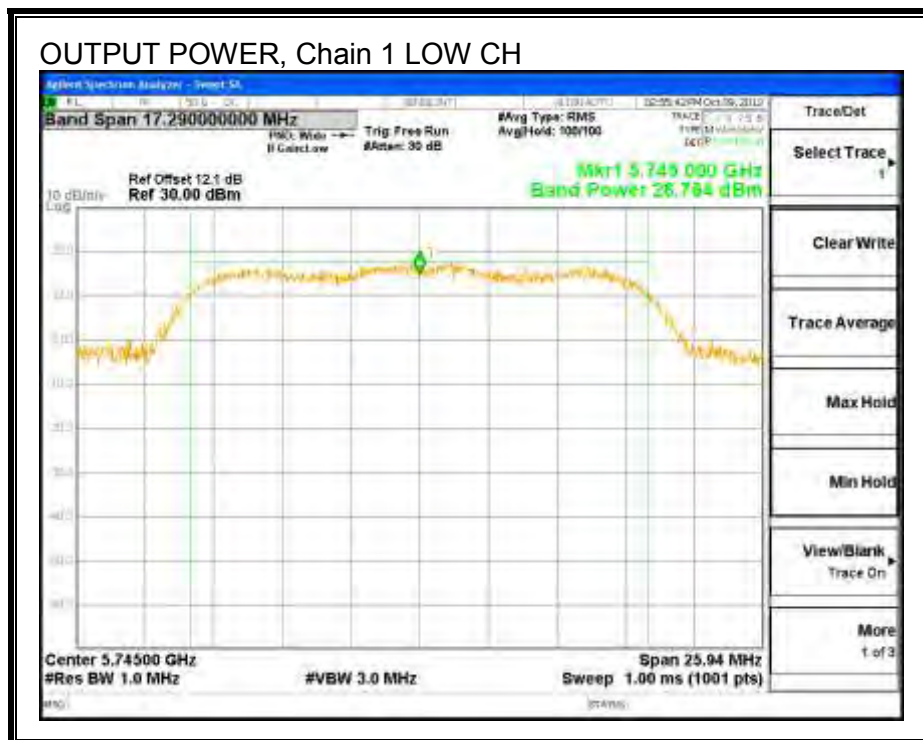
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	5745	25.79	26.76	29.31	30.00	-0.69
Mid	5785	25.87	26.41	29.16	30.00	-0.84
High	5825	26.10	25.90	29.01	30.00	-0.99

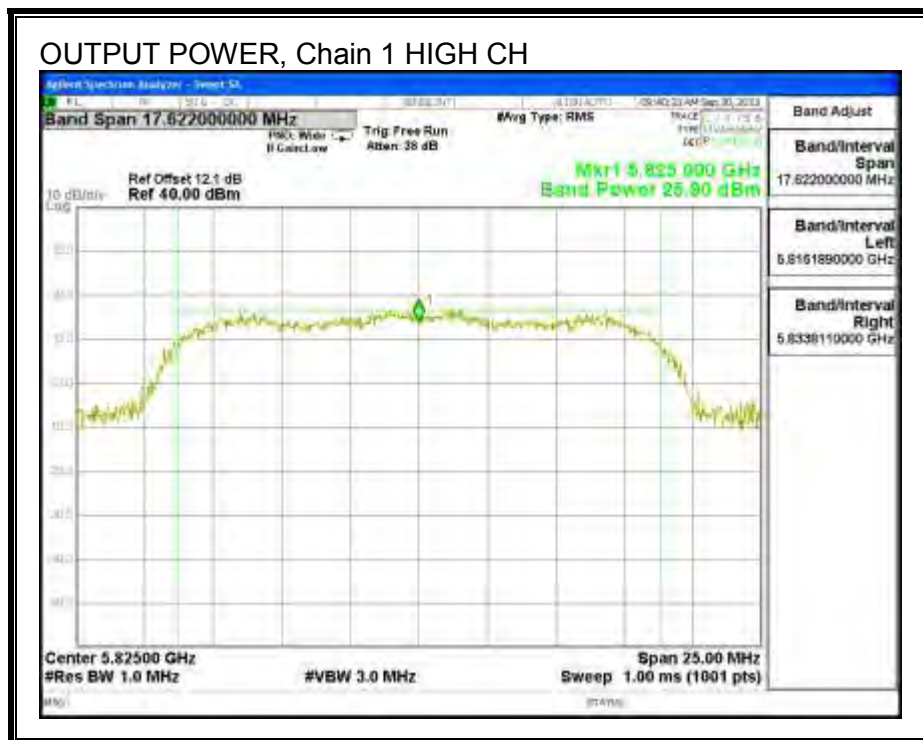
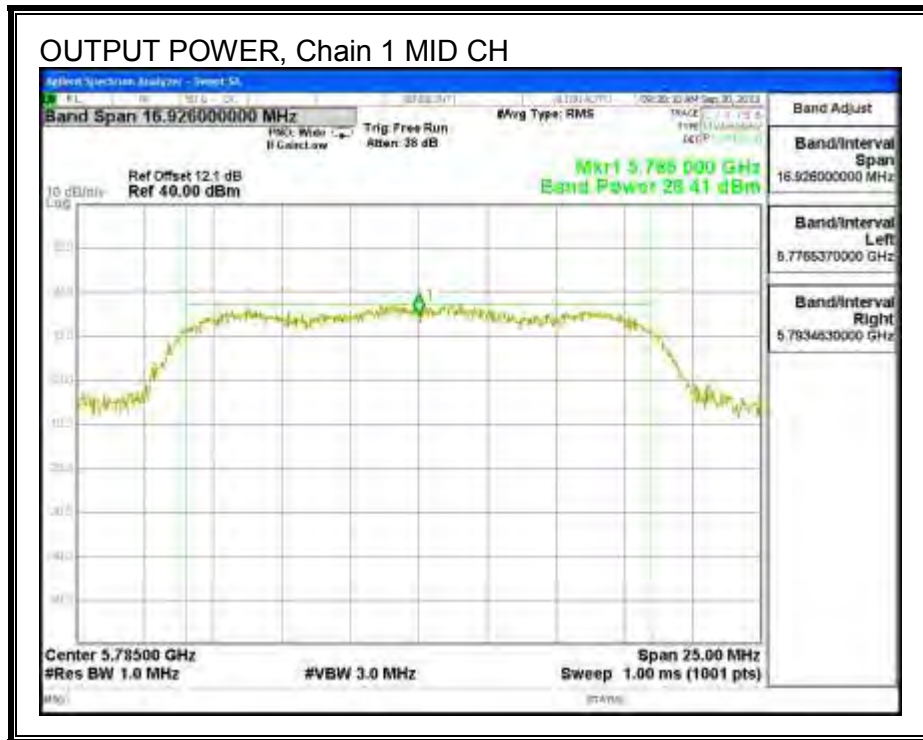
**OUTPUT POWER, Chain 0**





### OUTPUT POWER, Chain 1





### 8.11.5. PSD

#### LIMITS

FCC §15.247

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.

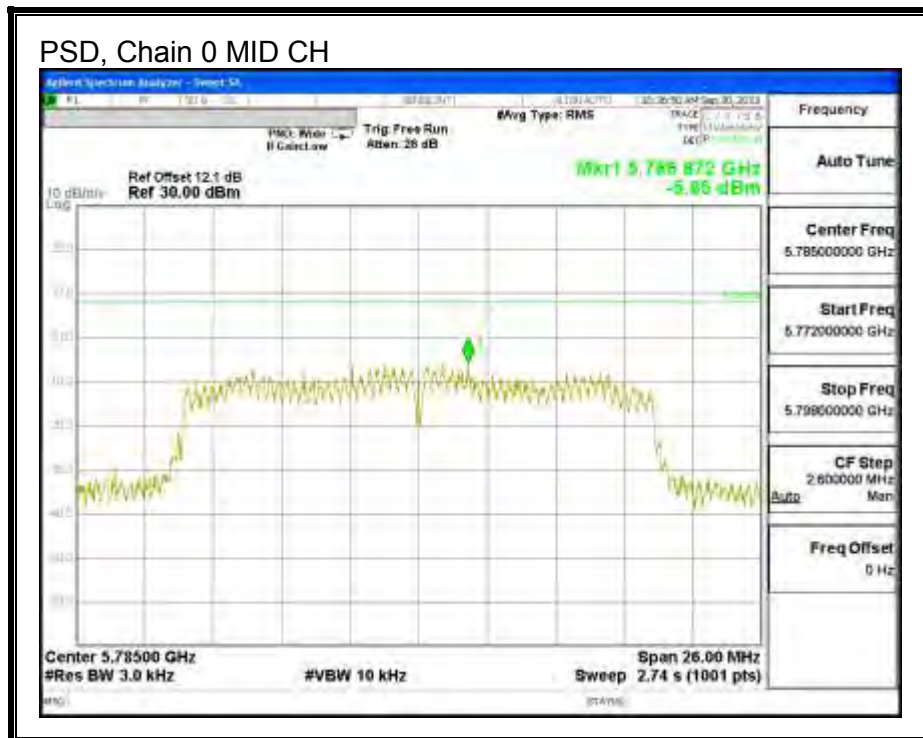
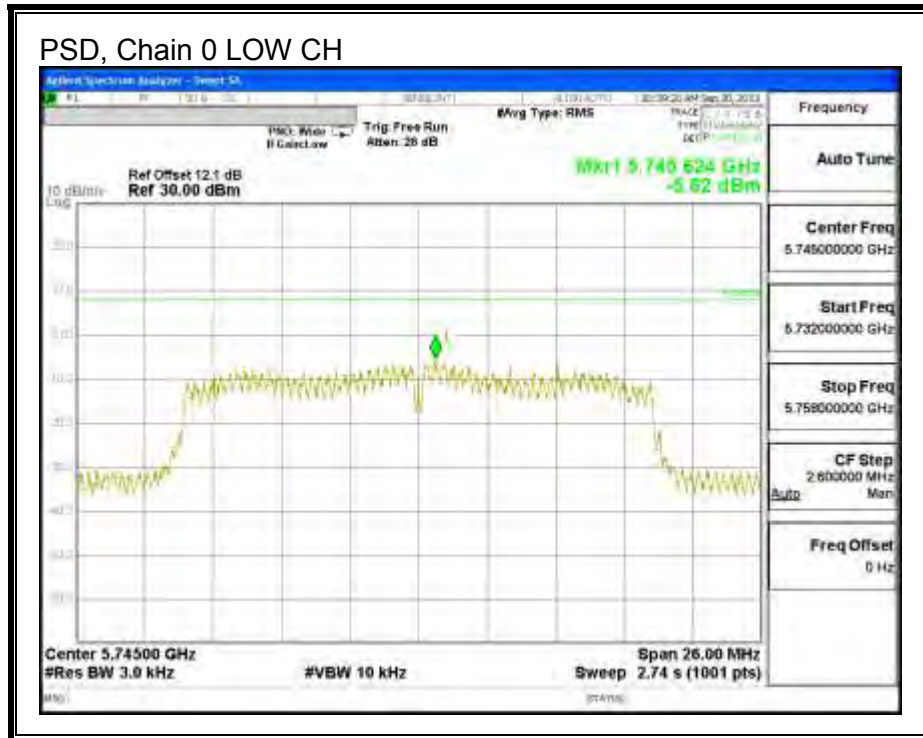
#### RESULTS

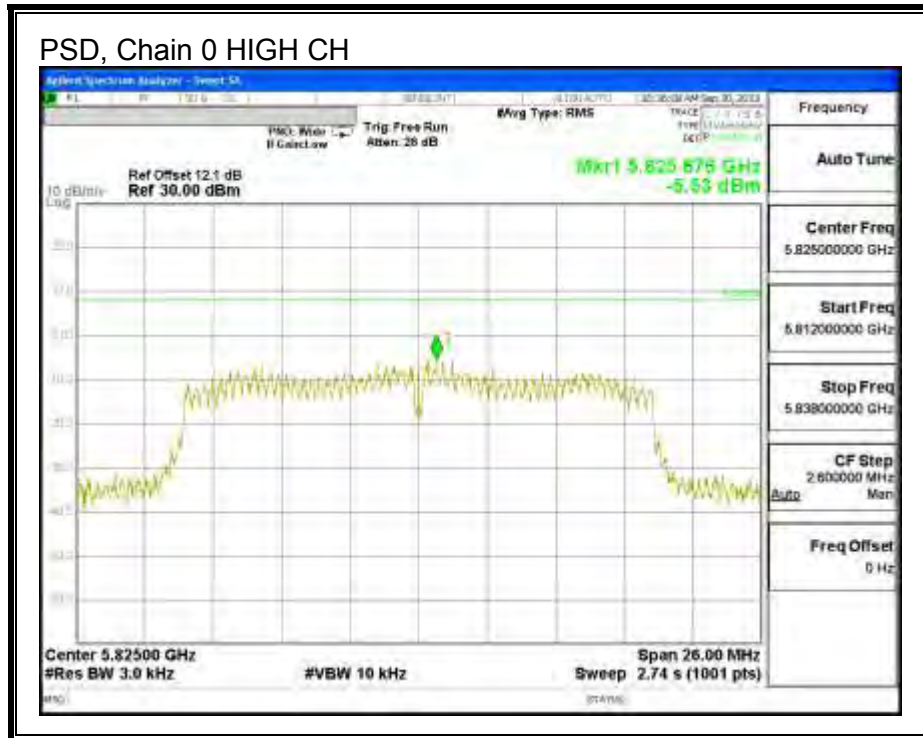
##### PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Chain 1 Meas (dBm)	Total PSD (dBm)	Limit (dBm)	Margin (dB)
Low	5745	-5.62	-5.02	-2.30	8.0	-10.3
Mid	5785	-5.85	-5.21	-2.51	8.0	-10.5
High	5825	-5.53	-6.18	-2.83	8.0	-10.8

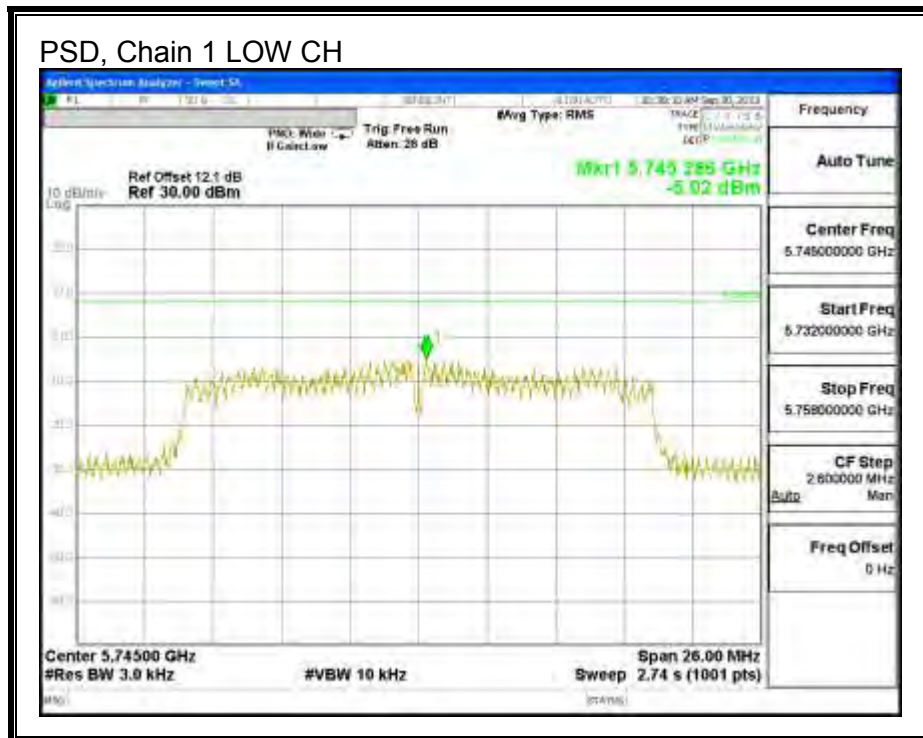


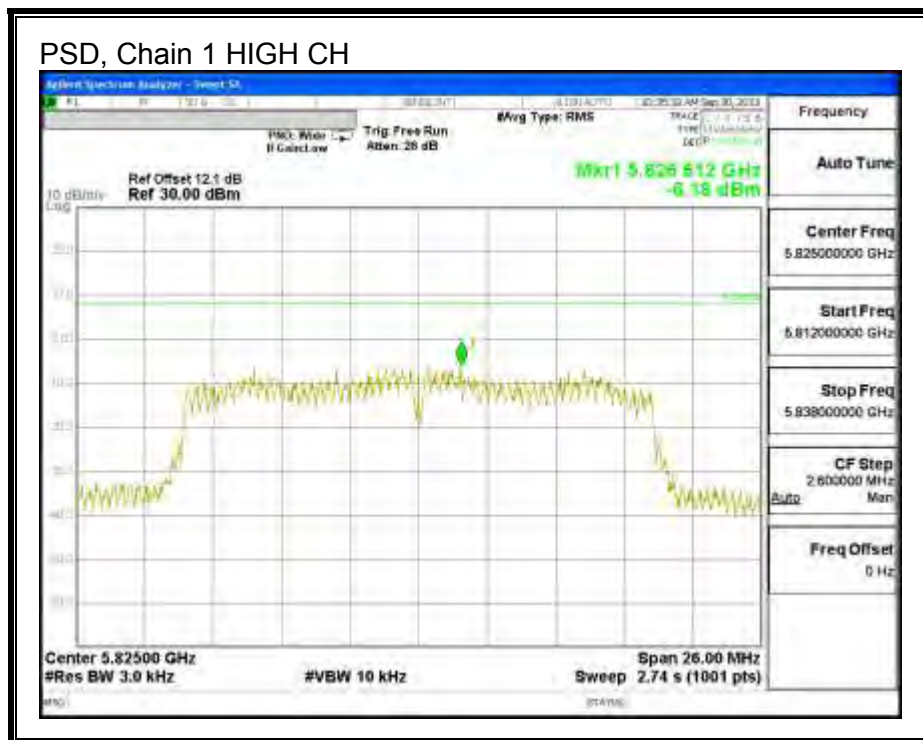
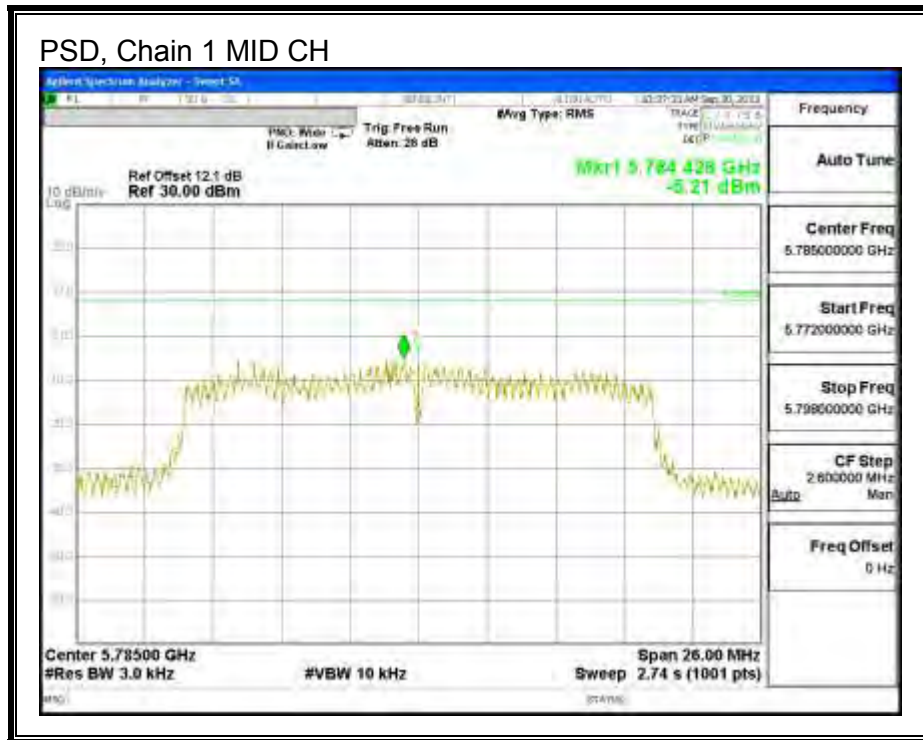
**PSD, Chain 0**





### PSD, Chain 1





### **8.11.6. OUT-OF-BAND EMISSIONS**

#### **LIMITS**

FCC §15.247 (d)

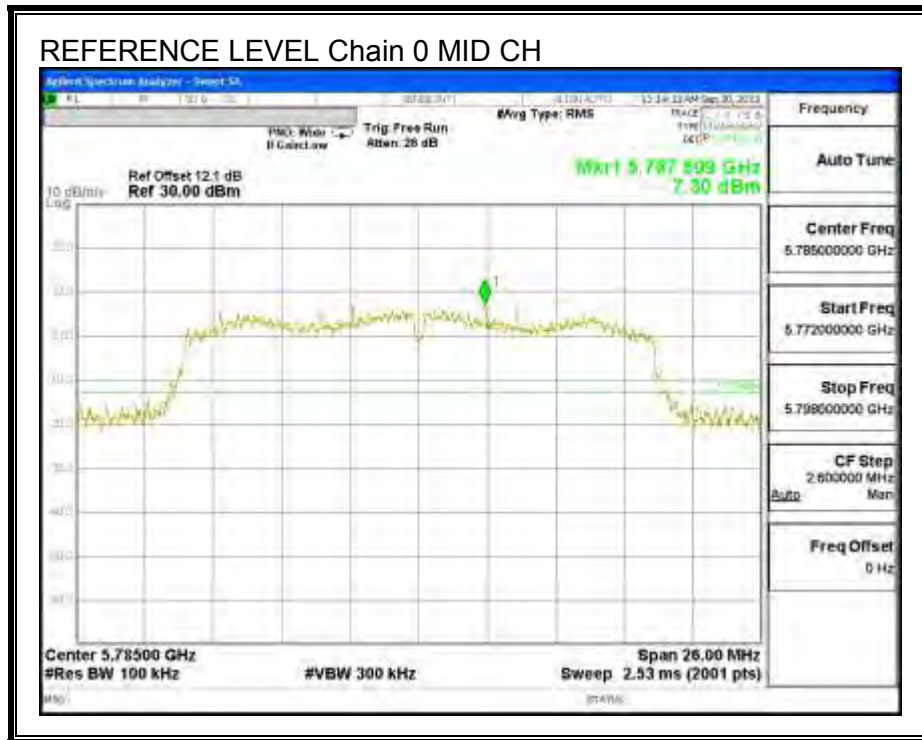
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

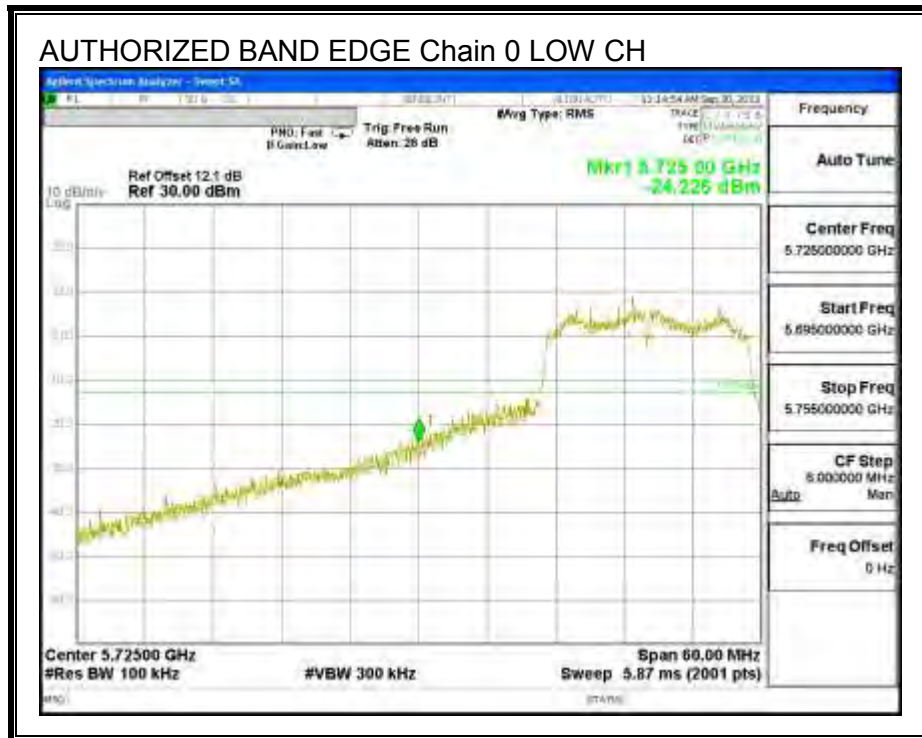
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

**RESULTS**

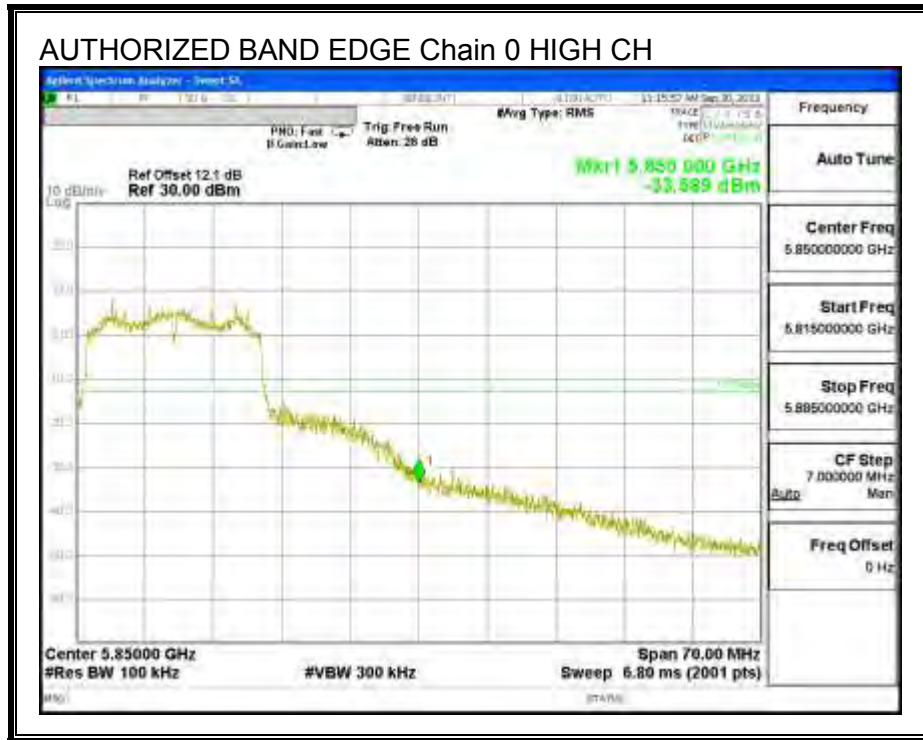
**IN-BAND REFERENCE LEVEL, Chain 0**



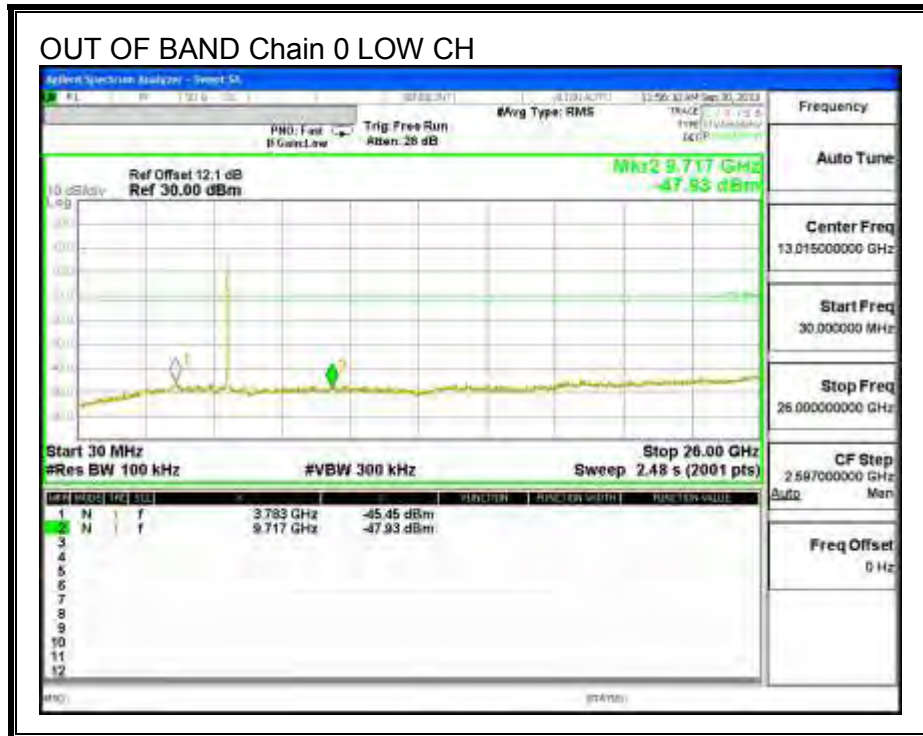
**LOW CHANNEL BANDEDGE, Chain 0**

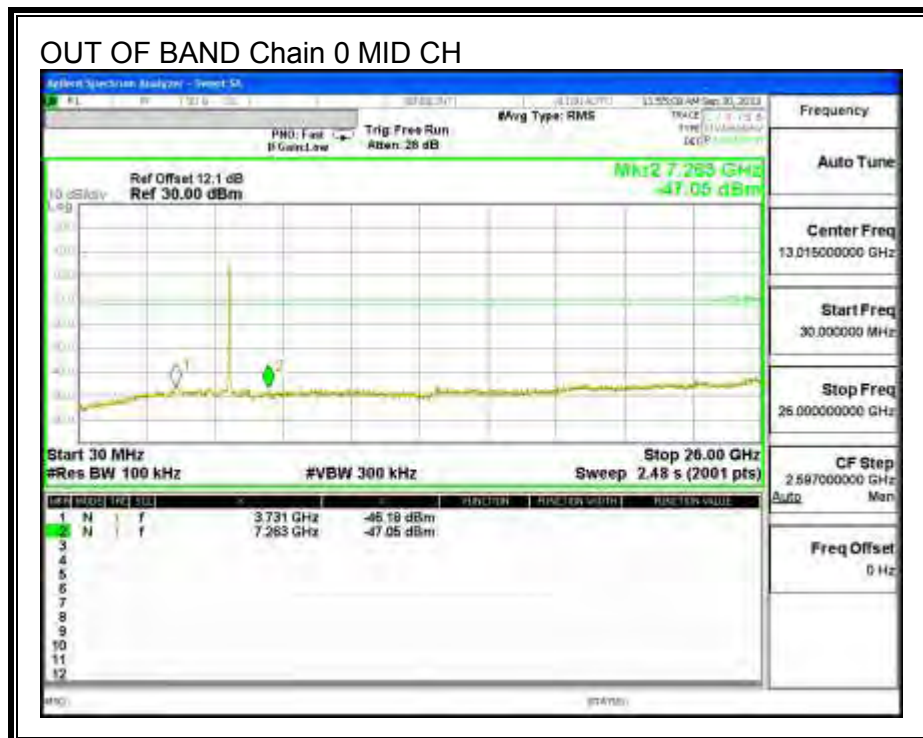
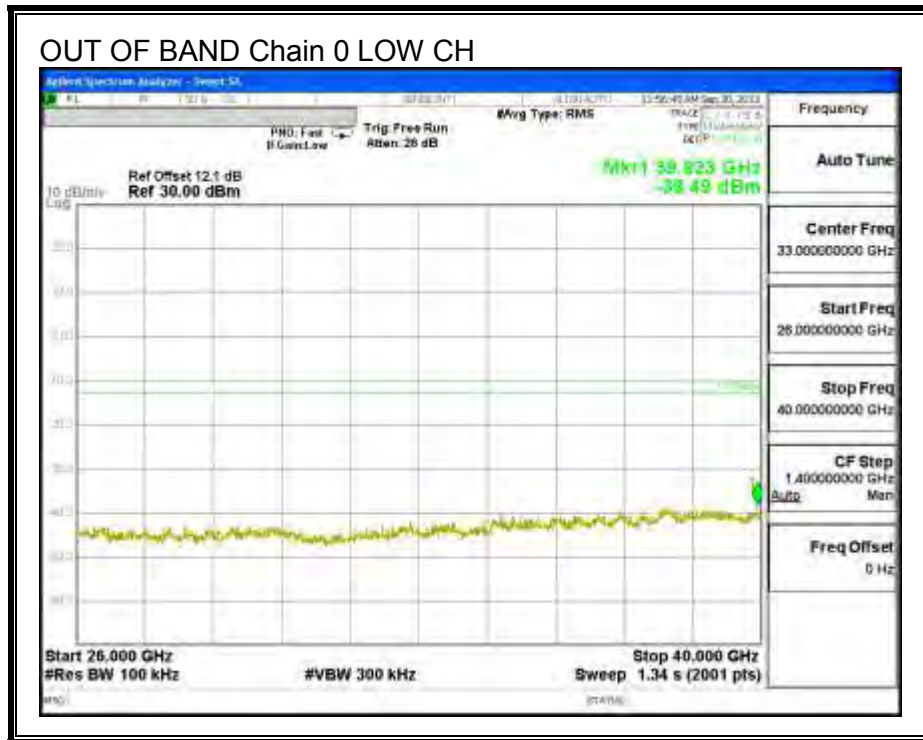


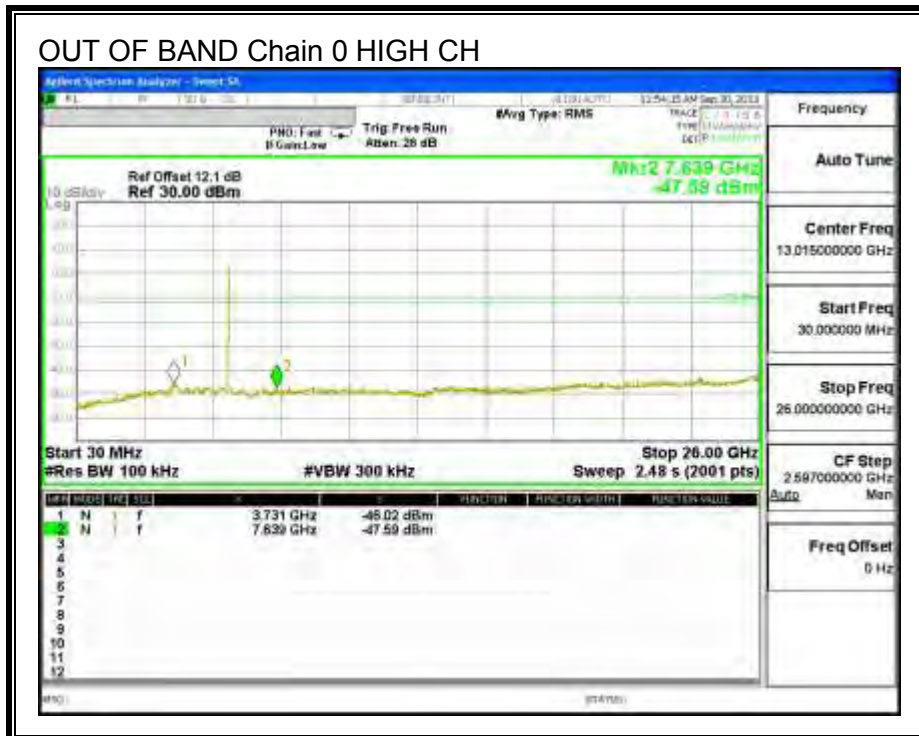
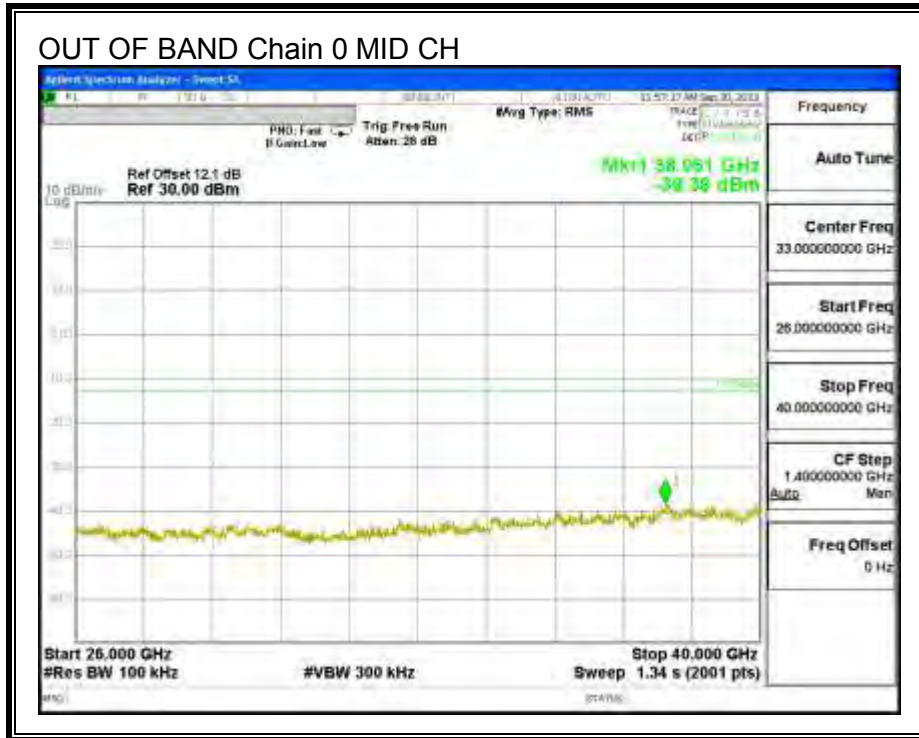
**HIGH CHANNEL BANDEDGE, Chain 0**



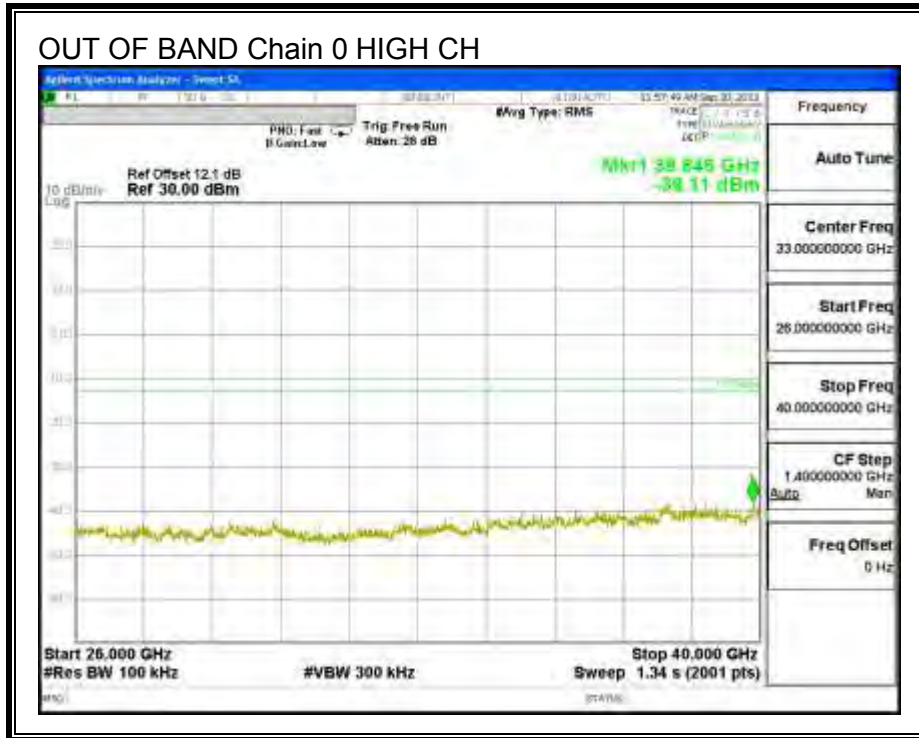
**OUT-OF-BAND EMISSIONS, Chain 0**



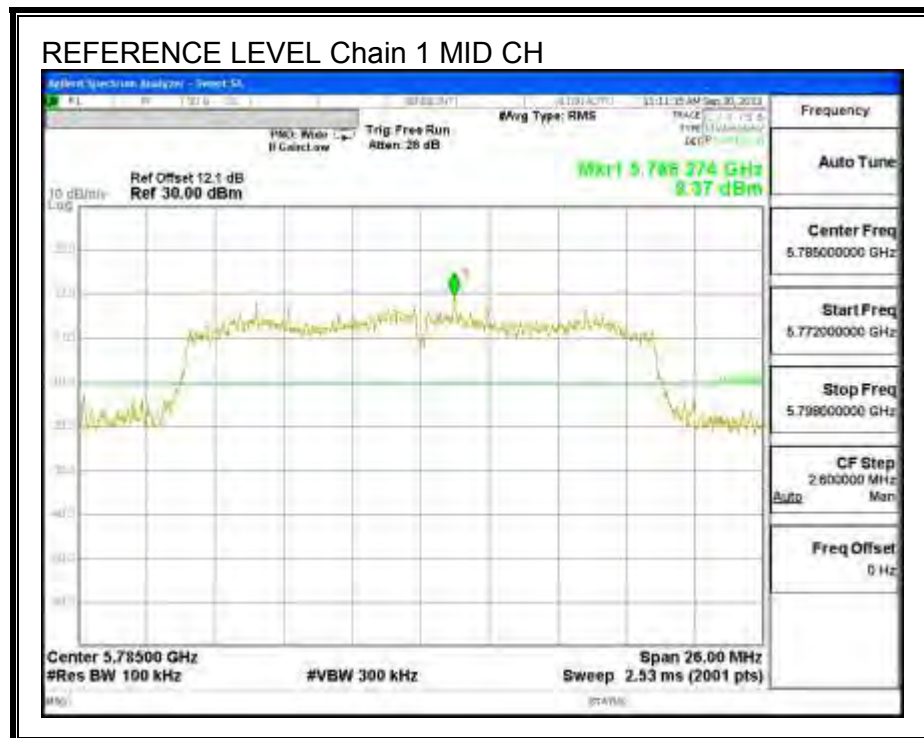




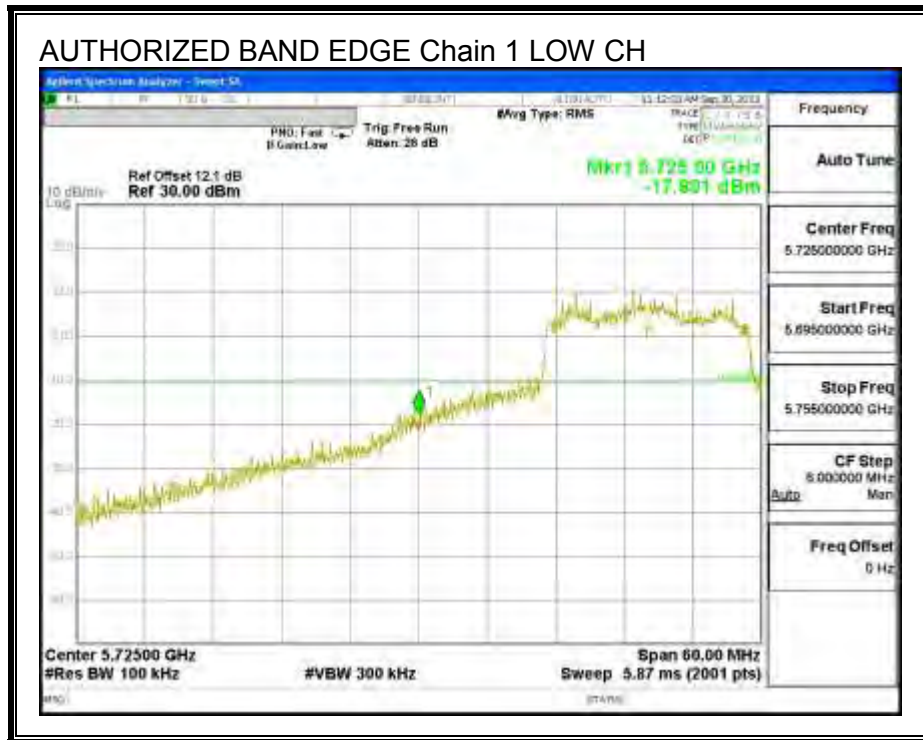




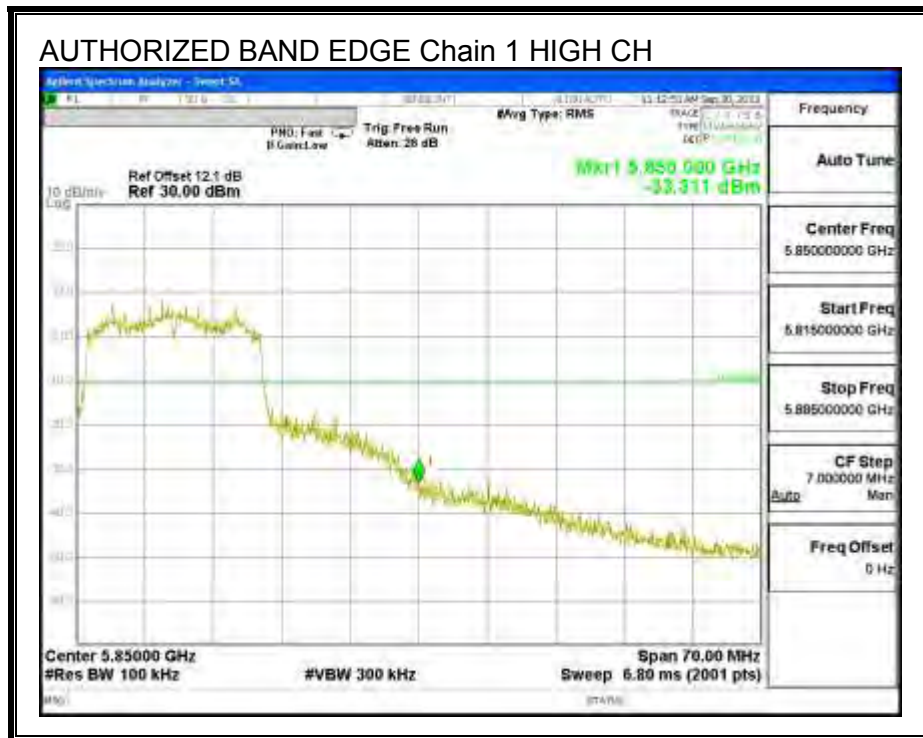
### IN-BAND REFERENCE LEVEL, Chain 1

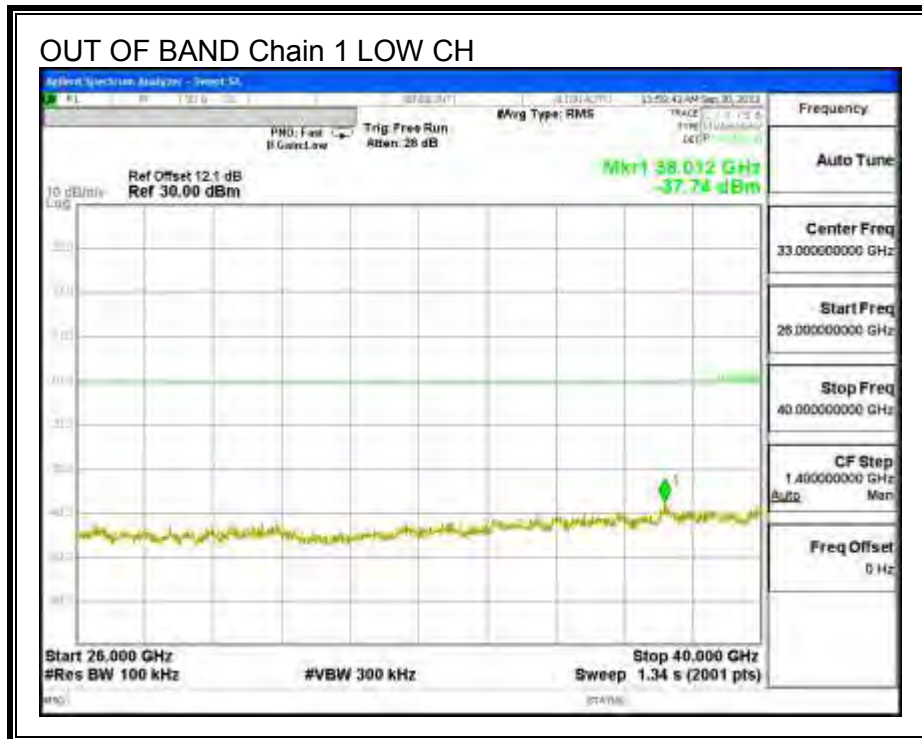
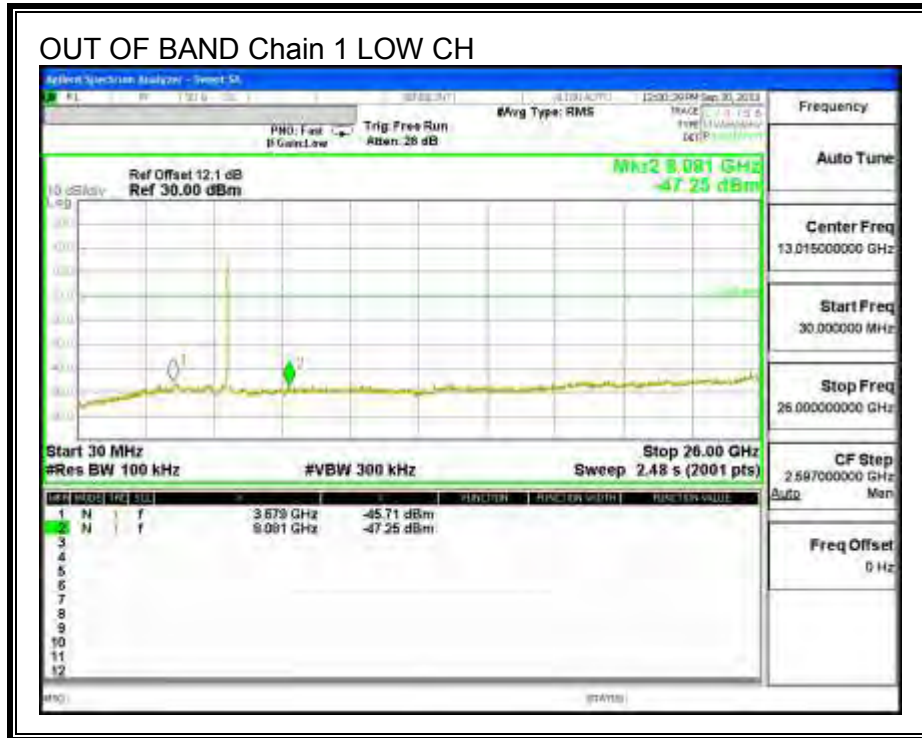


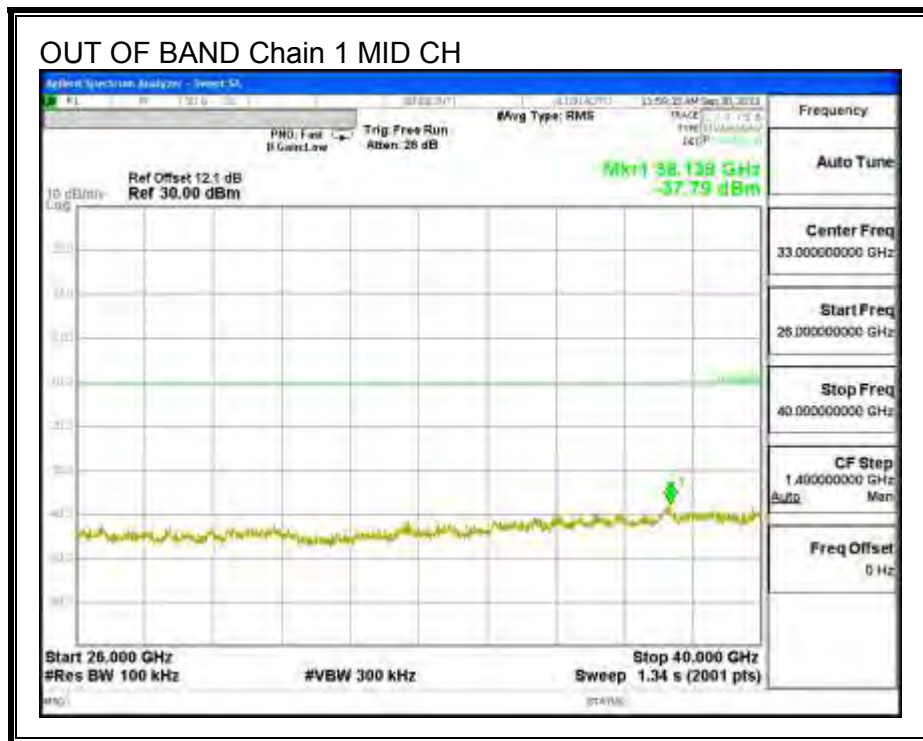
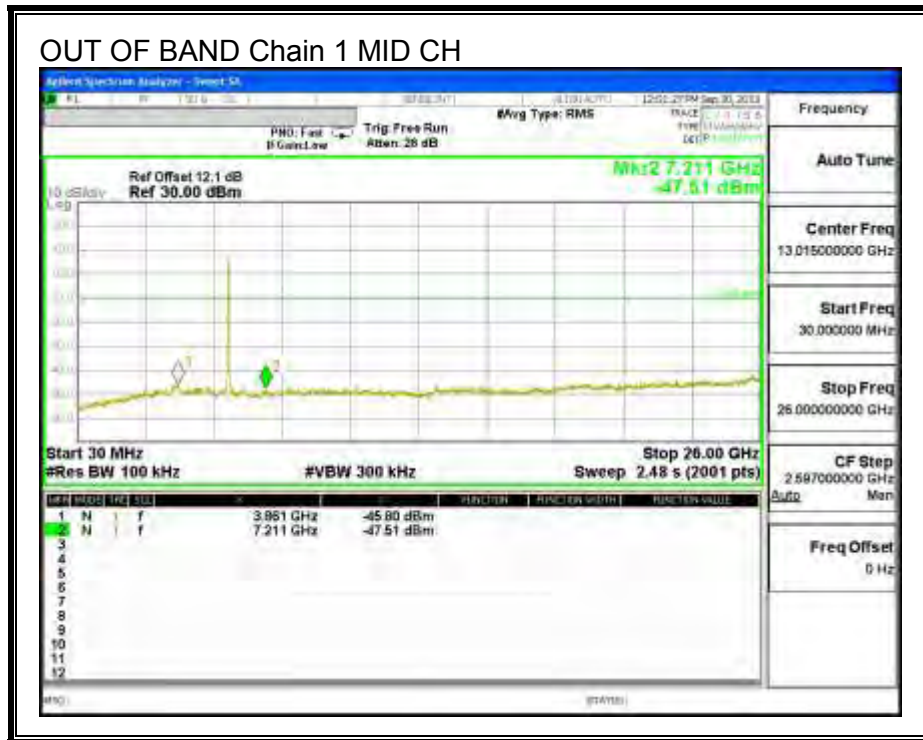
**LOW CHANNEL BANDEDGE, Chain 1**

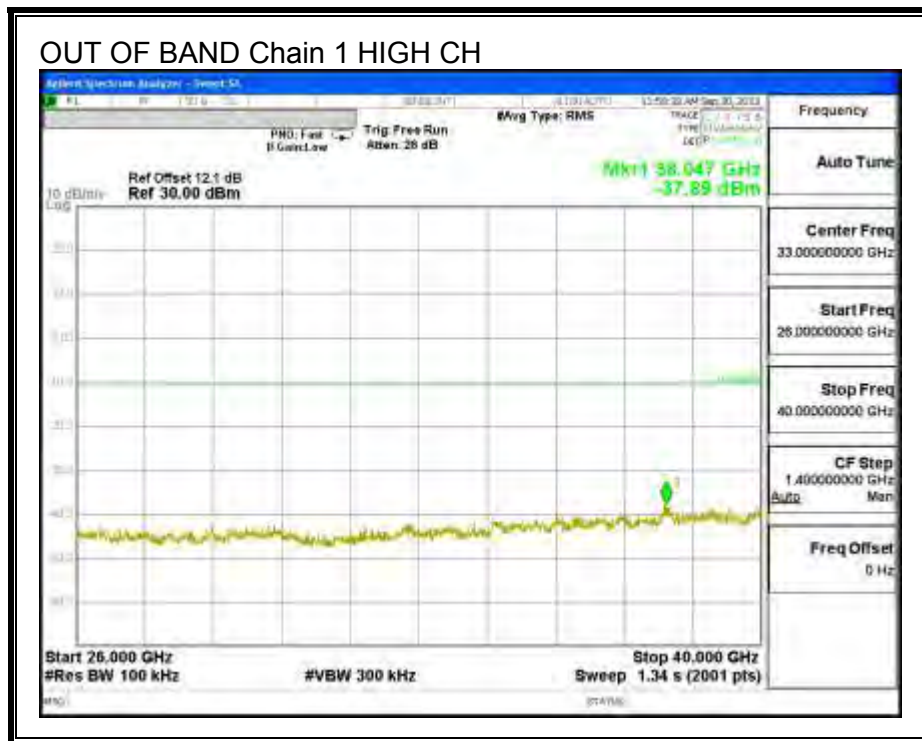
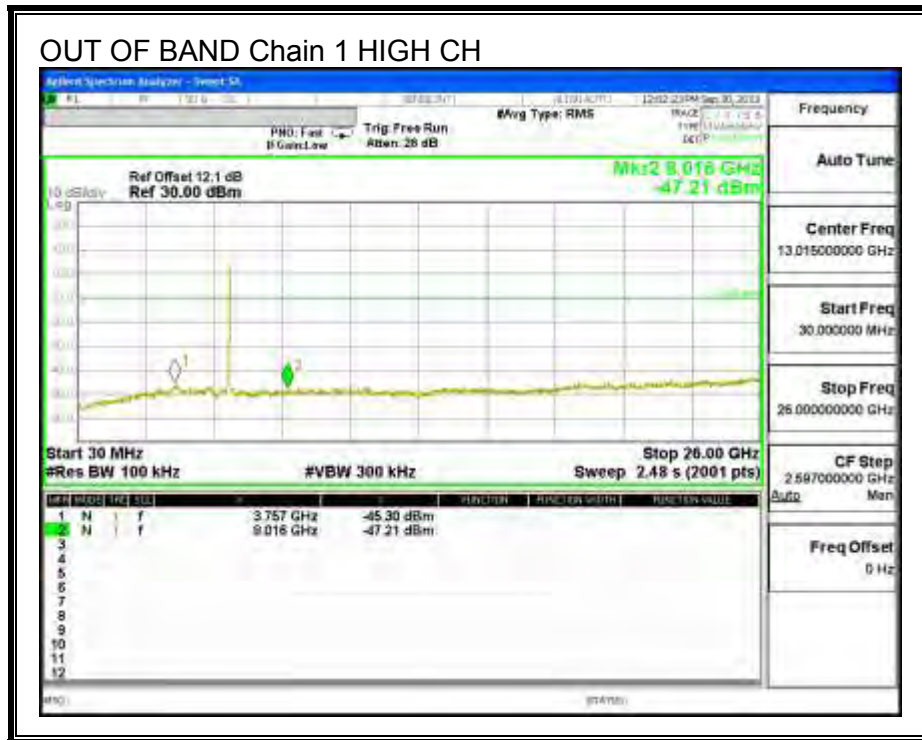


**HIGH CHANNEL BANDEDGE, Chain 1**









## 8.12. 802.11n HT40 SISO MODE IN THE 5.8 GHz BAND

### 8.12.1. 6 dB BANDWIDTH

#### LIMITS

FCC §15.247 (a) (2)

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

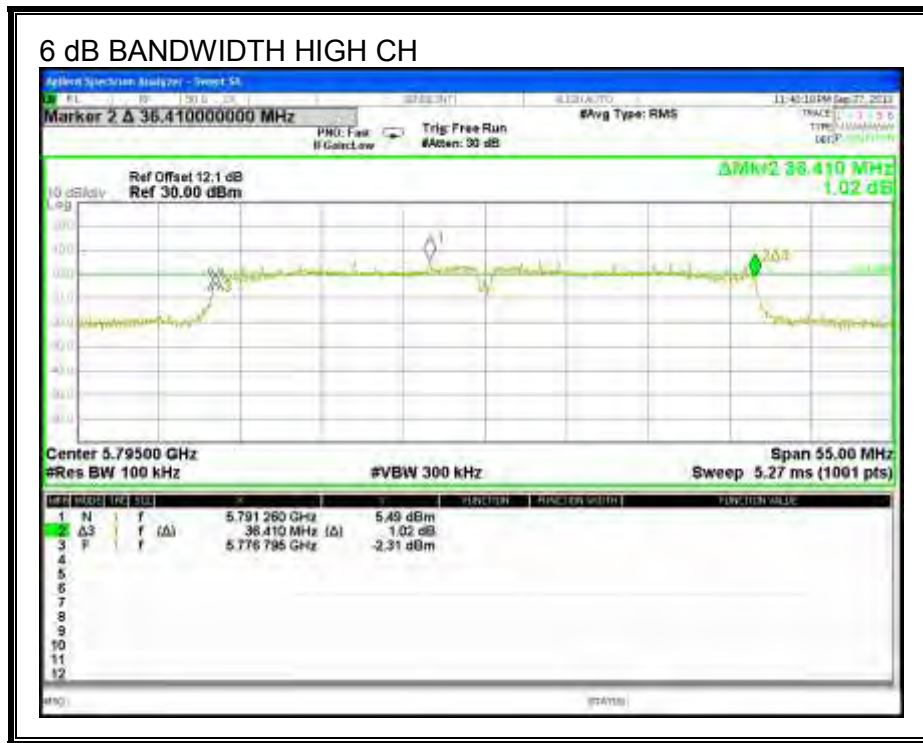
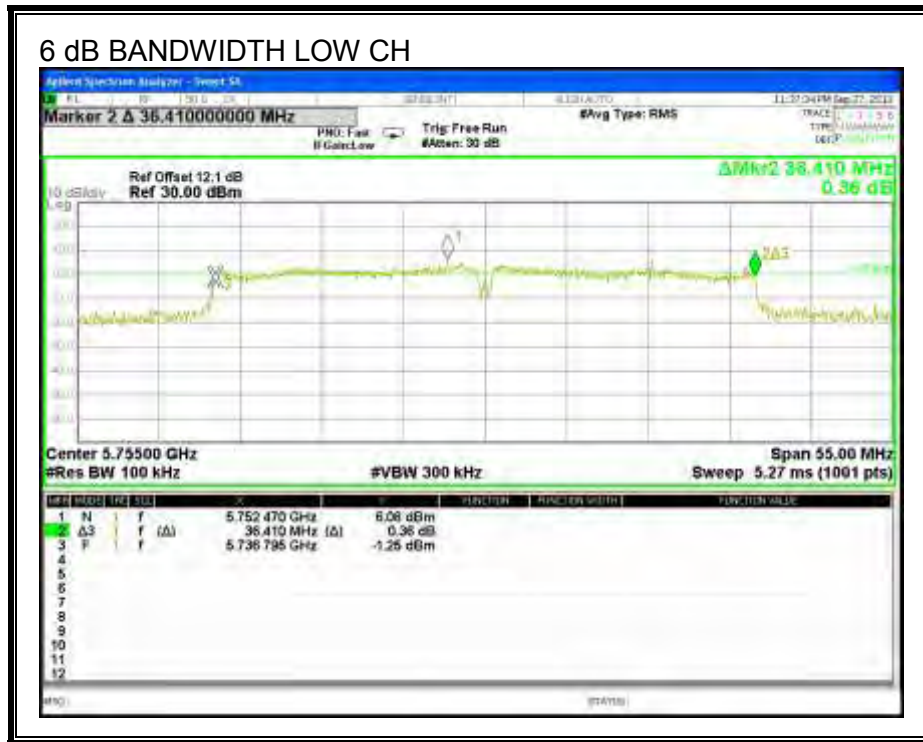
#### TEST PROCEDURE

558074 D01 DTS Meas Guidance v03r01 "Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under 15.247".

#### RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	36.4100	0.5
High	5795	36.4100	0.5

**6 dB BANDWIDTH**



### 8.12.2. 99% BANDWIDTH

#### LIMITS

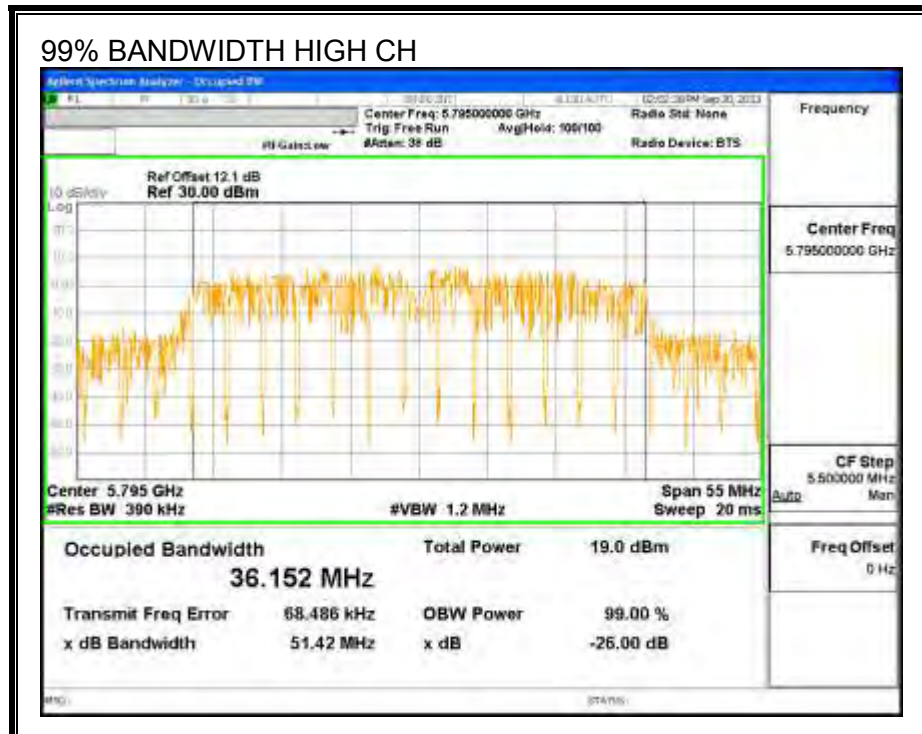
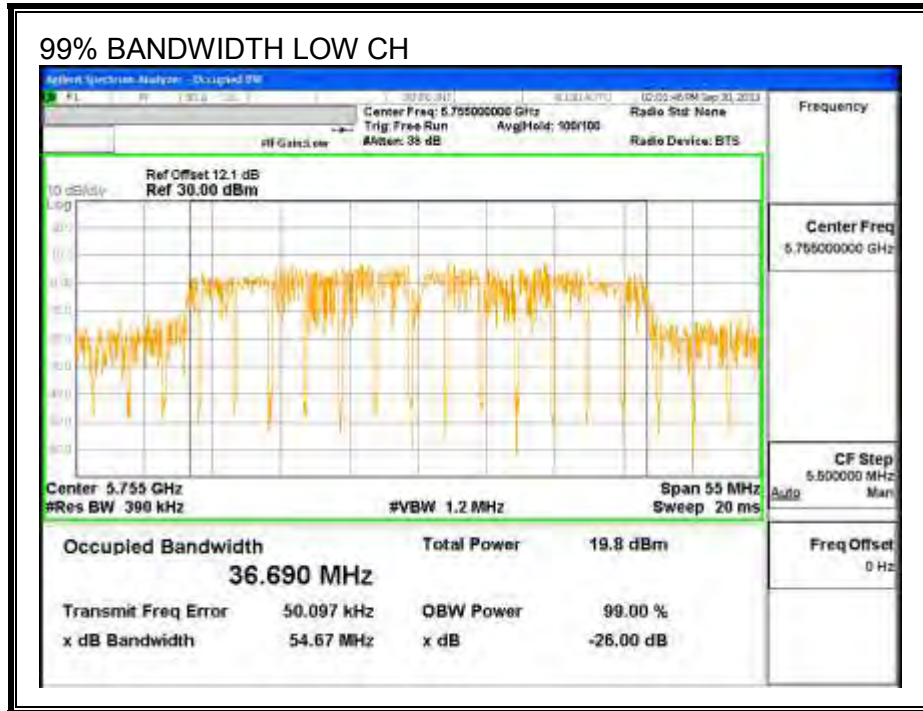
None; for reporting purposes only.

#### RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.690
High	5795	36.152



**99% BANDWIDTH**



### 8.12.3. 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 12.58 dB (including 10 dB pad, 2.1 dB cable, and .48 duty cycle correction factor) was entered as an offset in the power meter to allow for direct reading of power.

#### RESULTS

Channel	Frequency (MHz)	Power (dBm)
Low	5755	20.49
High	5795	19.13

### 8.12.4. OUTPUT POWER

#### LIMITS

FCC §15.247

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

#### RESULTS

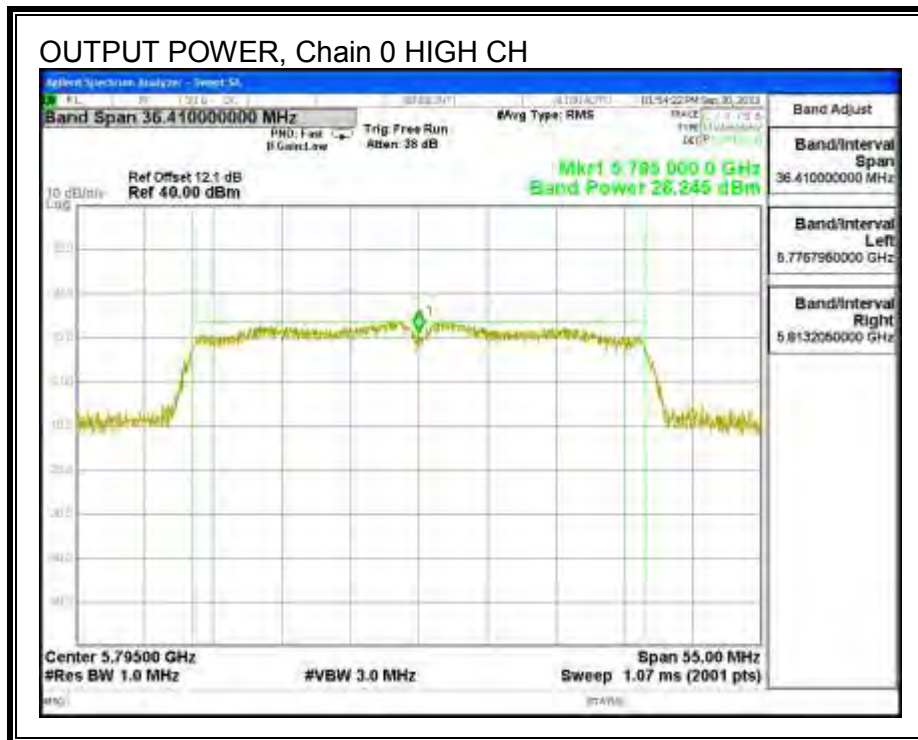
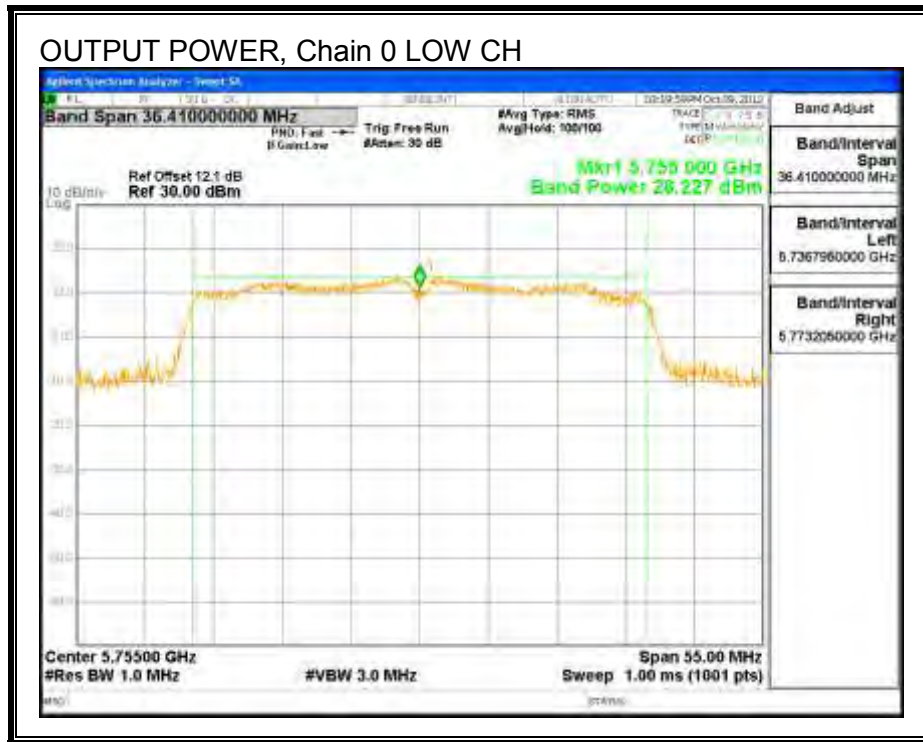
##### Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5755	3.2	30.00	30	36	30.00
High	5795	3.2	30.00	30	36	30.00

##### Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	5755	26.227	26.23	30.00	-3.77
High	5795	26.245	26.25	30.00	-3.75

**OUTPUT POWER, Chain 0**



### 8.12.5. PSD

#### LIMITS

FCC §15.247

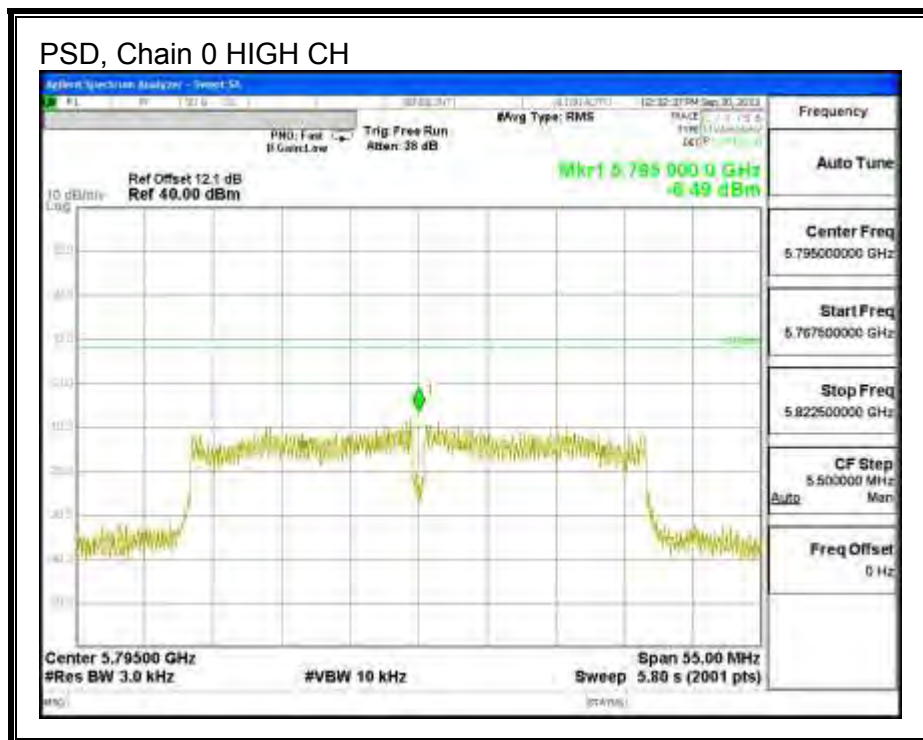
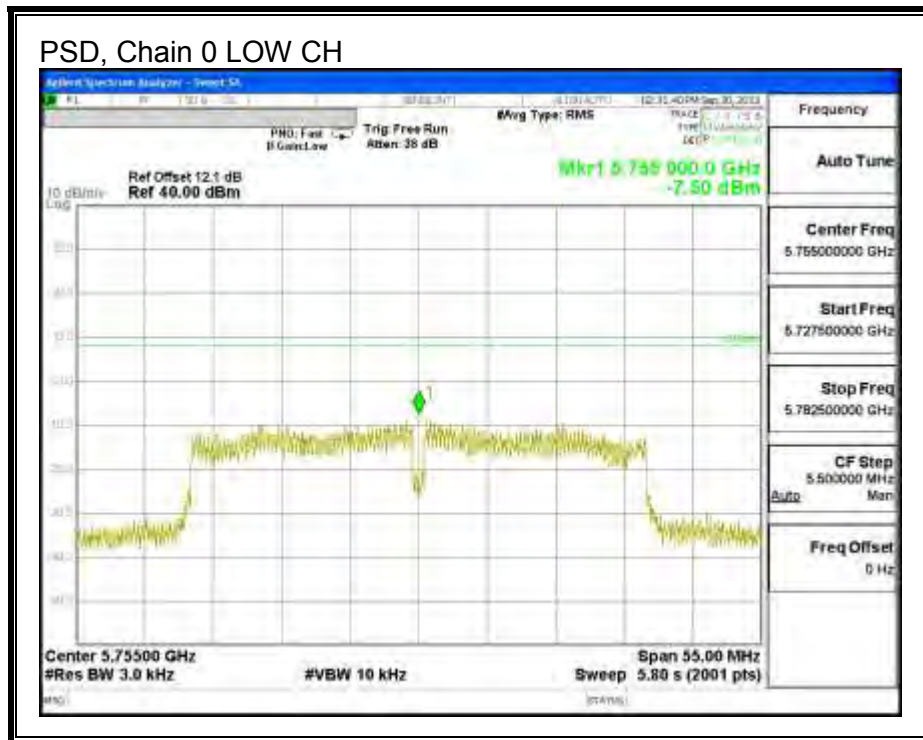
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

#### RESULTS

##### PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Limit (dBm)	Margin (dB)
Low	5755	-7.50	8.0	-15.5
High	5795	-6.49	8.0	-14.5

**PSD, Chain 0**



## 8.12.6. OUT-OF-BAND EMISSIONS

### LIMITS

FCC §15.247 (d)

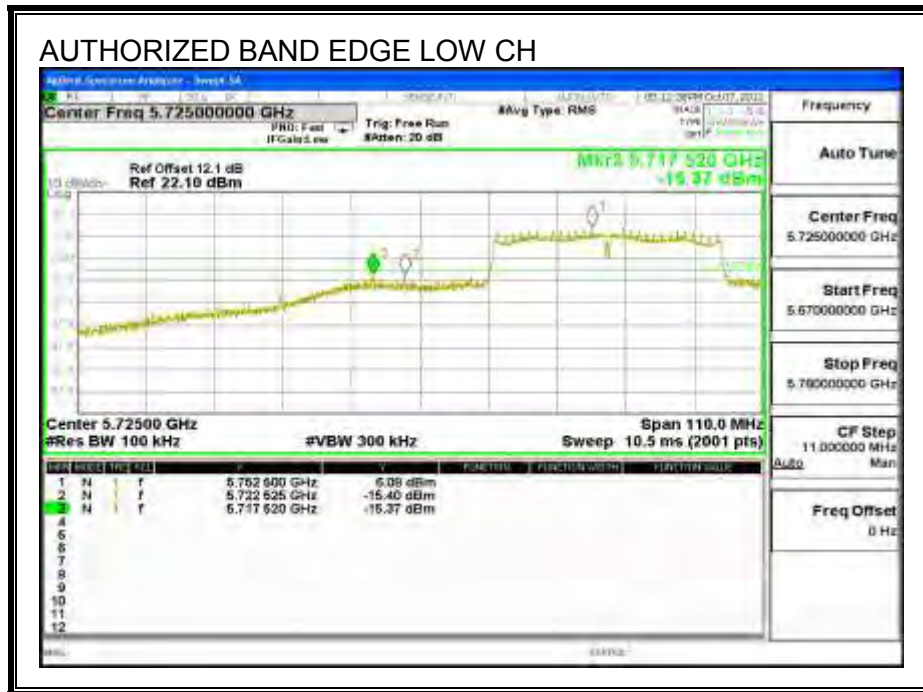
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

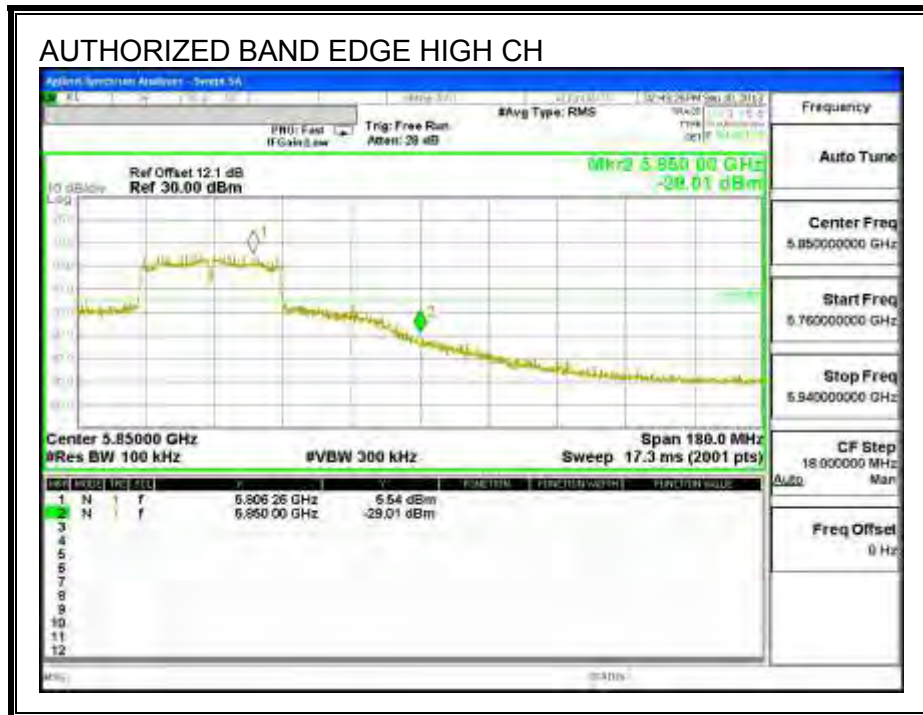
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

**RESULTS**

**LOW CHANNEL BANDEDGE**

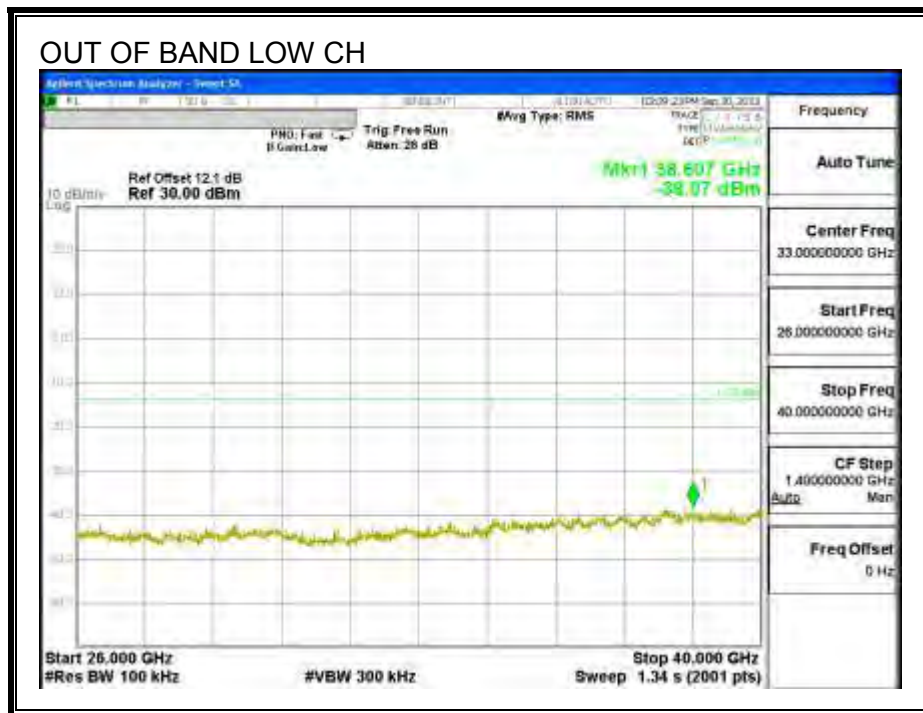
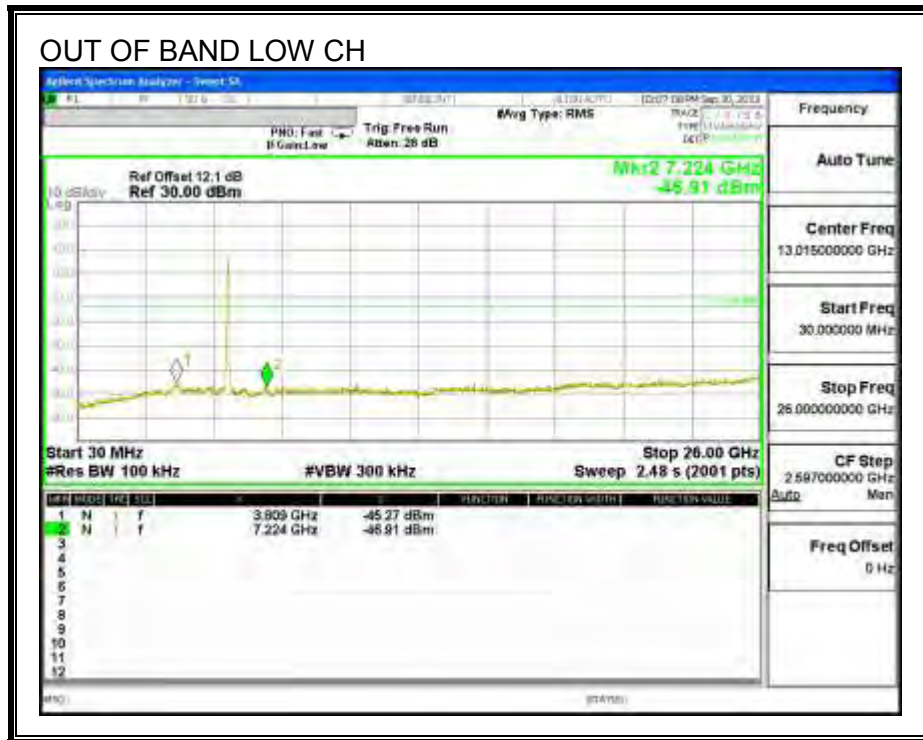


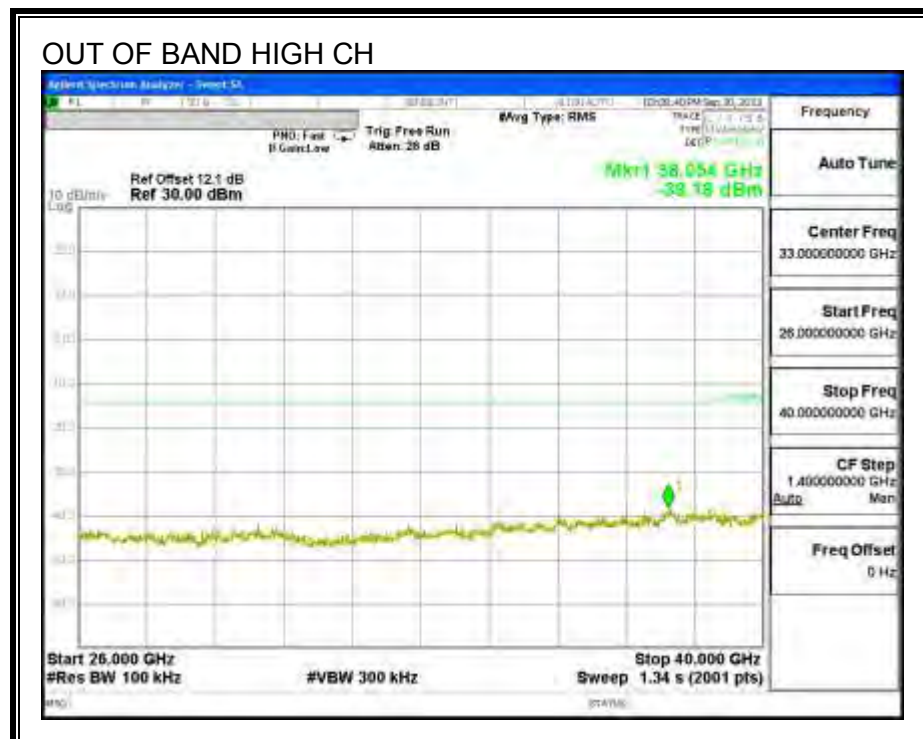
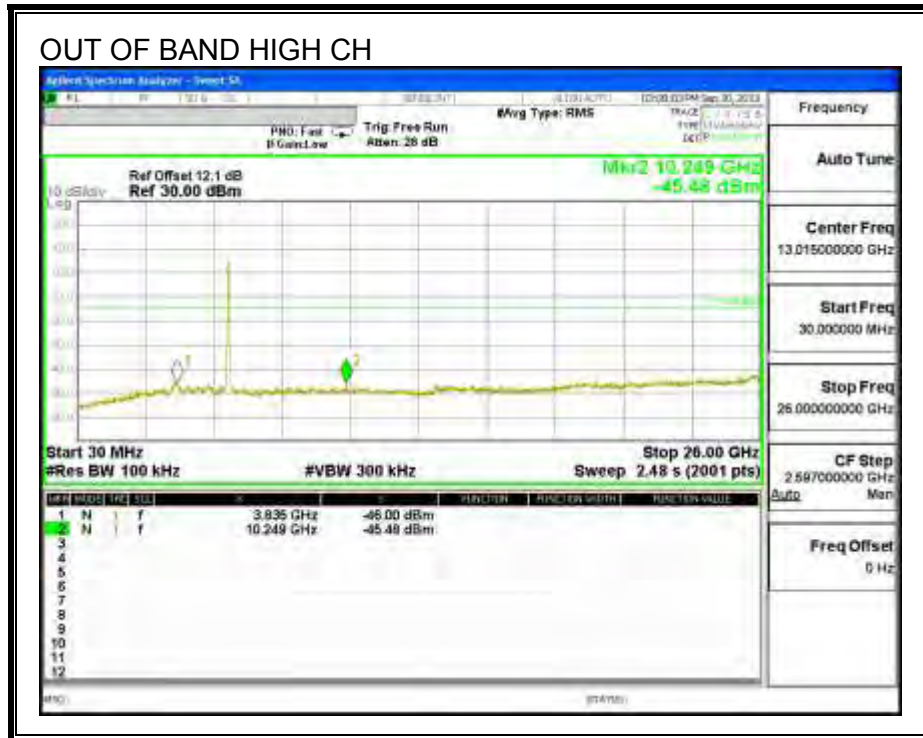
**HIGH CHANNEL BANDEDGE**





**OUT-OF-BAND EMISSIONS**





### 8.13. 802.11n HT40 2TX CDD MODE IN THE 5.8 GHz BAND

#### 8.13.1. 6 dB BANDWIDTH

##### LIMITS

FCC §15.247 (a) (2)

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

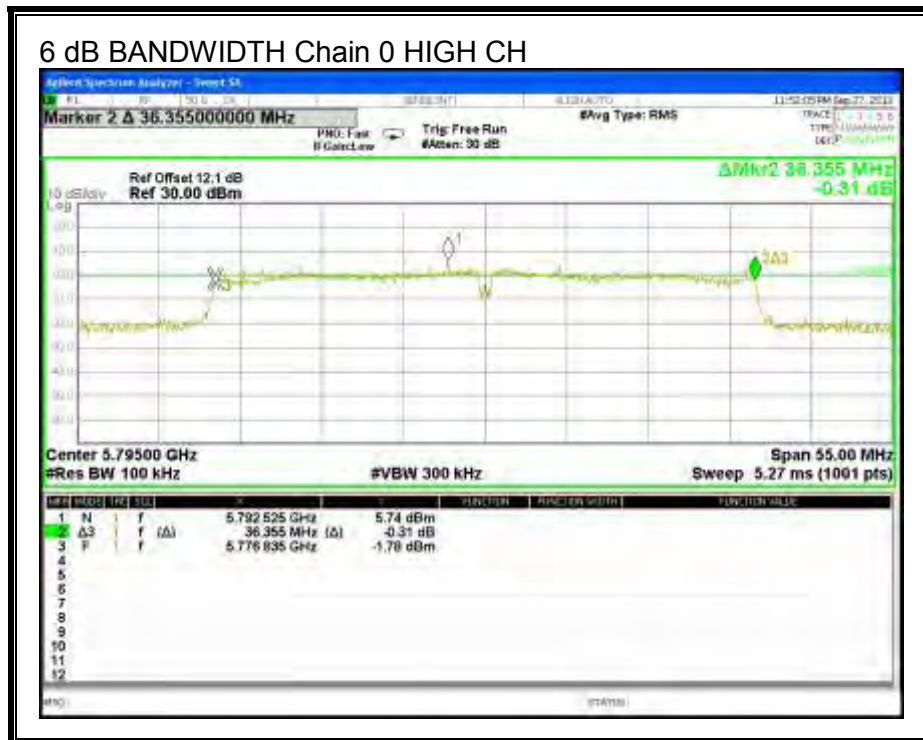
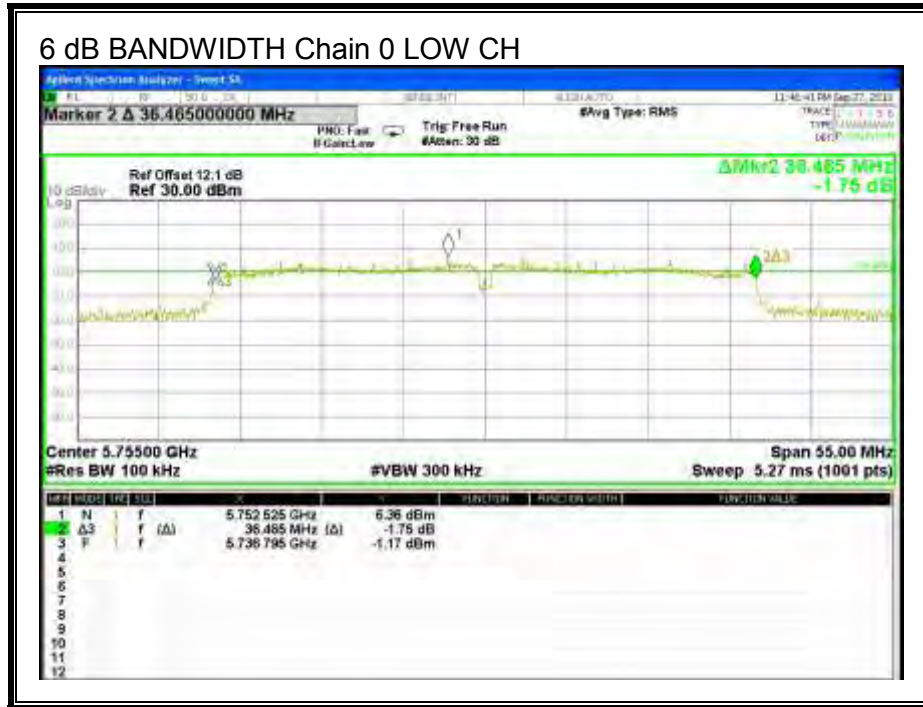
##### TEST PROCEDURE

558074 D01 DTS Meas Guidance v03r01 "Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under 15.247".

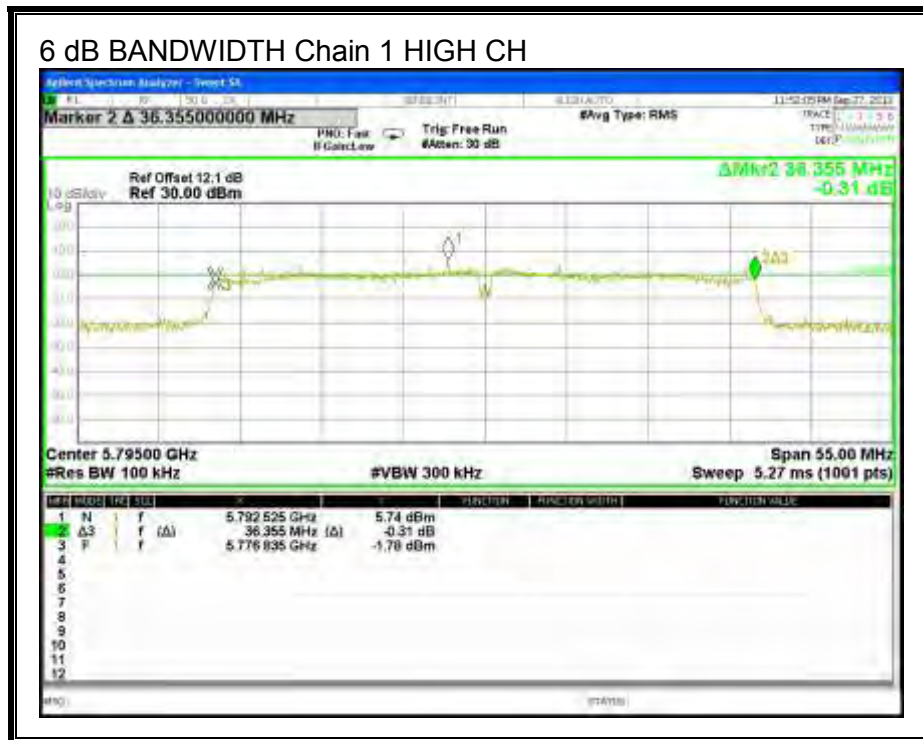
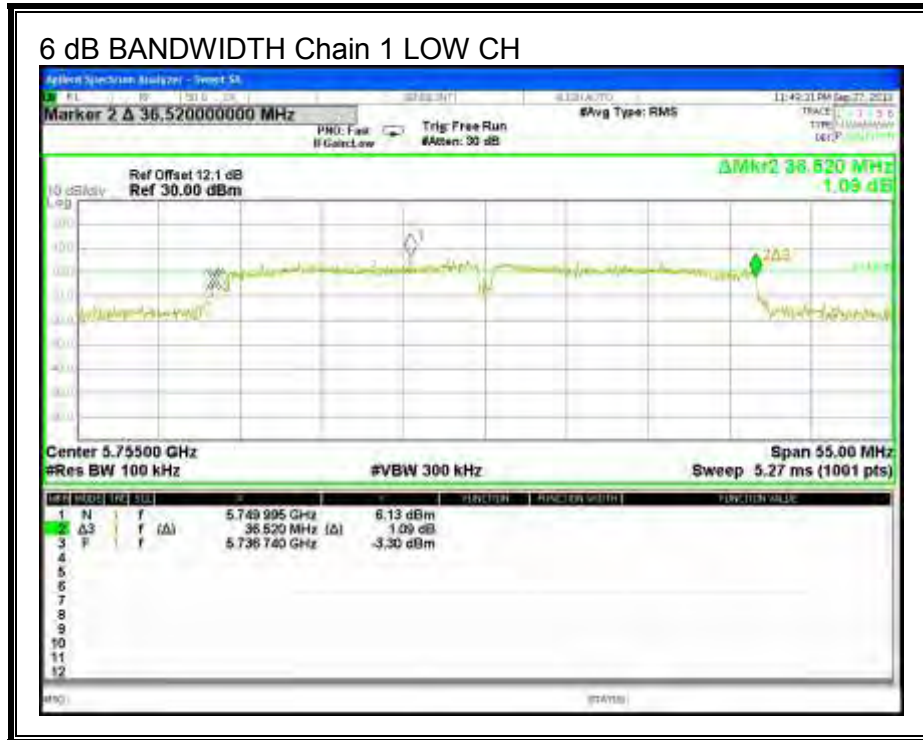
##### RESULTS

Channel	Frequency (MHz)	6 dB BW Chain 1 (MHz)	6 dB BW Chain 2 (MHz)	Minimum Limit (MHz)
Low	5755	36.465	36.520	0.5
High	5795	36.355	36.355	0.5

**6 dB BANDWIDTH, Chain 0**



**6 dB BANDWIDTH, Chain 0**



### 8.13.2. 99% BANDWIDTH

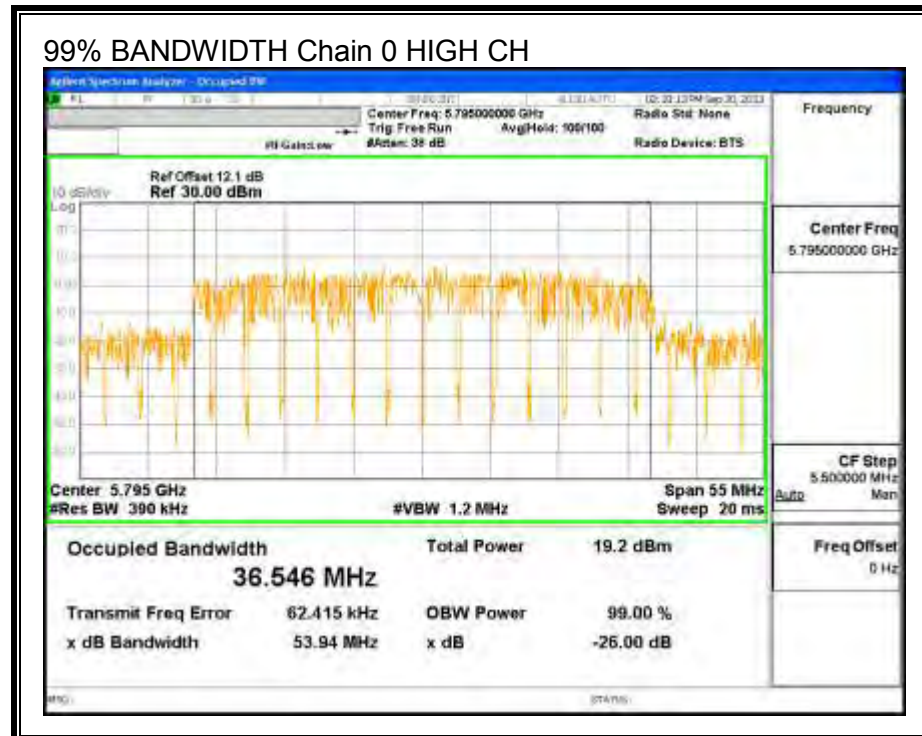
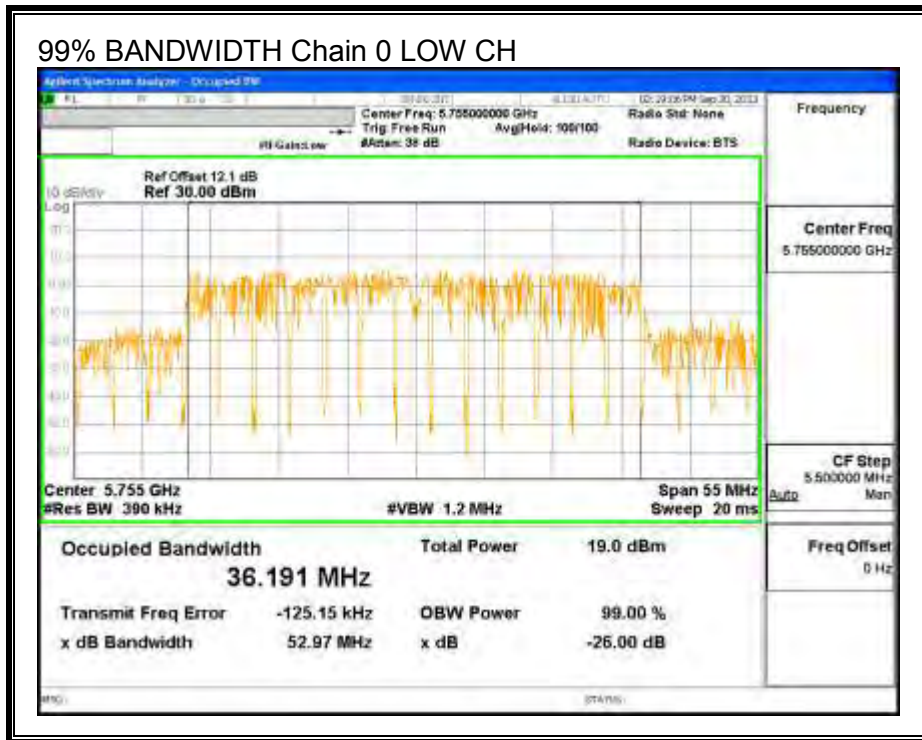
#### LIMITS

None; for reporting purposes only.

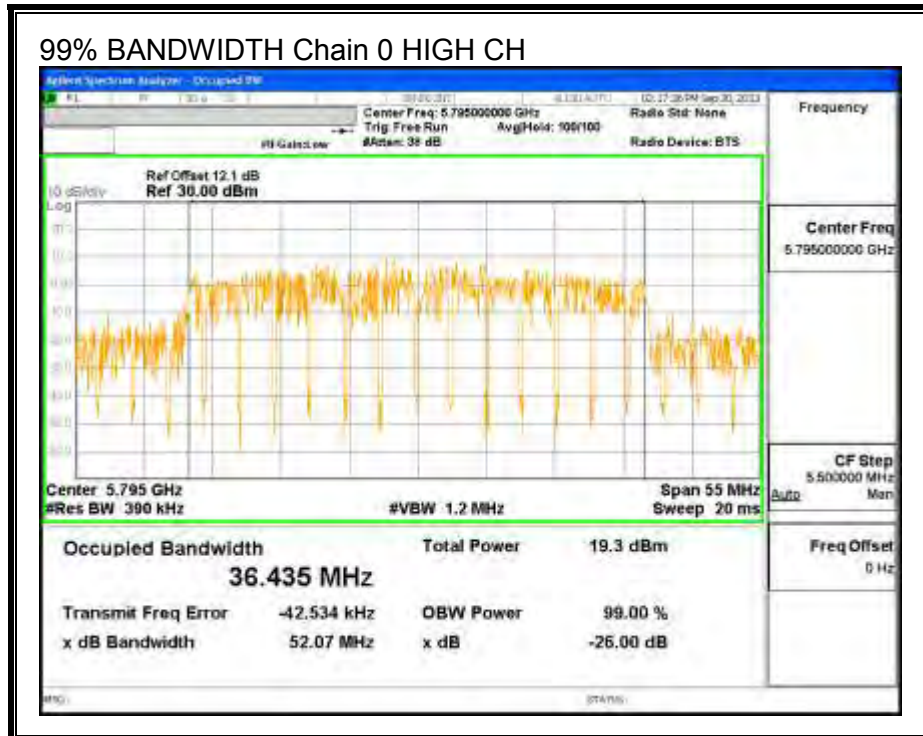
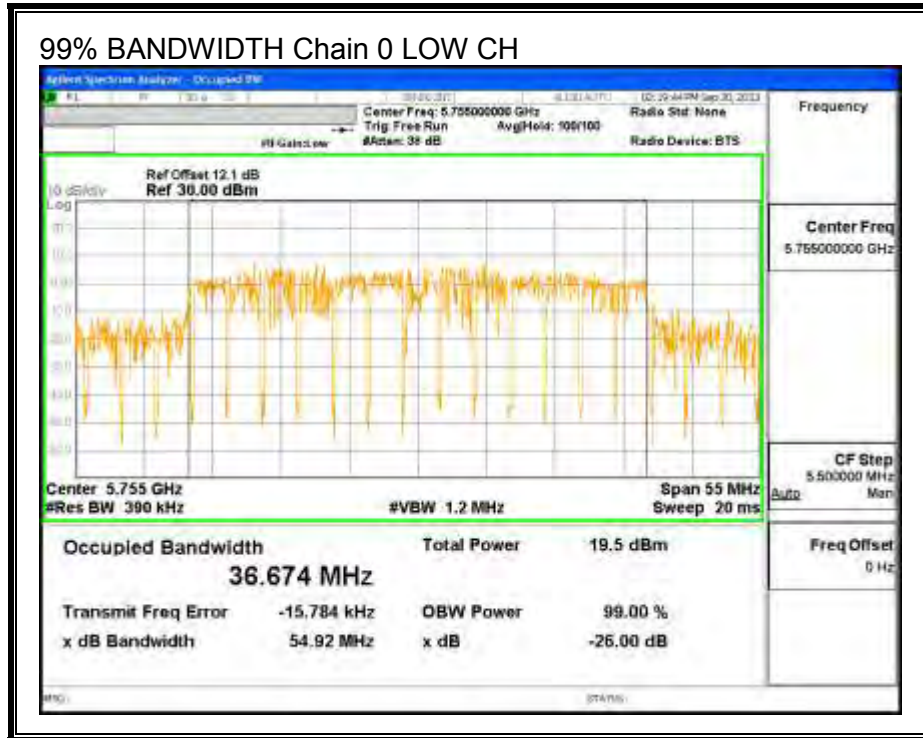
#### RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5755	36.191	36.674
High	5795	36.546	36.435

**99% BANDWIDTH, Chain 0**



**99% BANDWIDTH, Chain 0**





### 8.13.3. 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 12.58 dB (including 10 dB pad, 2.1 dB cable, and .48 duty cycle correction factor) 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	20.15	19.76	22.97
High	5795	18.75	19.68	22.25

### 8.13.4. OUTPUT POWER

#### LIMITS

FCC §15.247

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
3.20	1.80	2.56

#### RESULTS

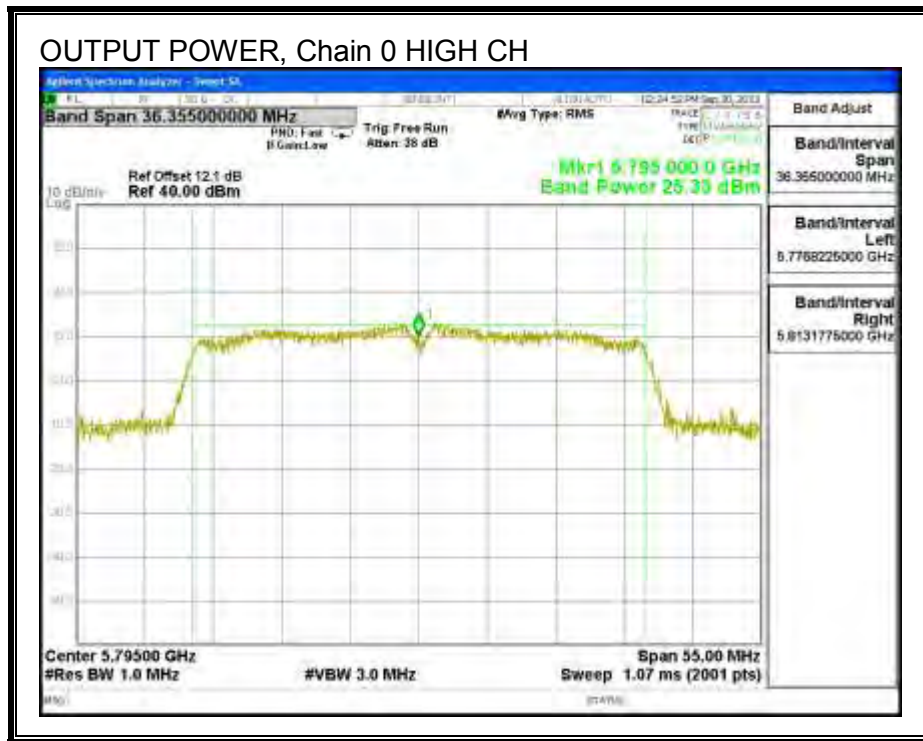
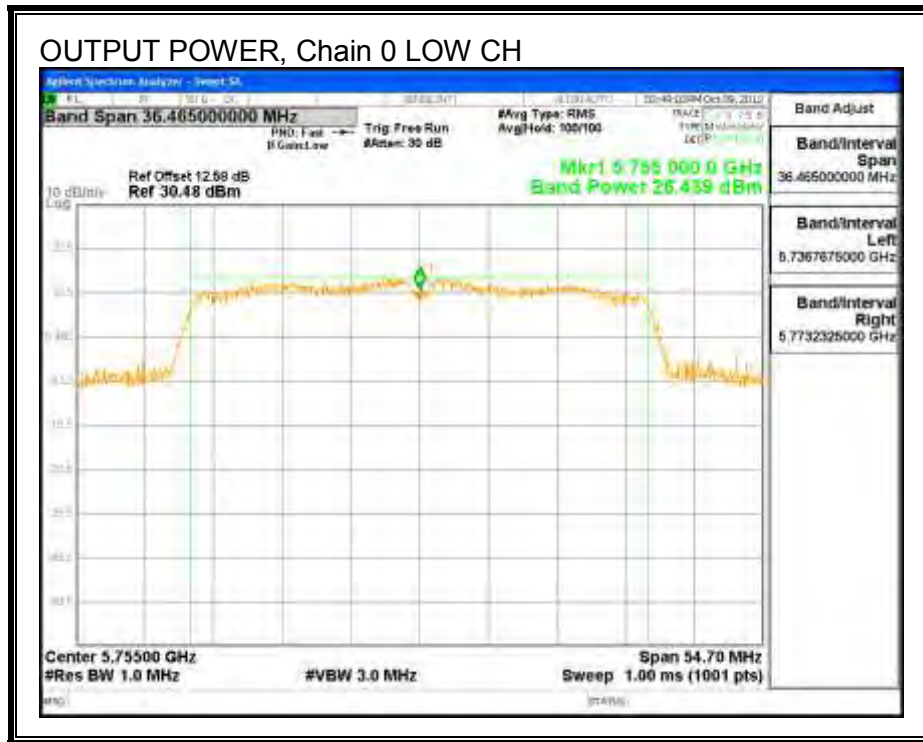
##### Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5755	2.56	30.00	30	36	30.00
High	5795	2.56	30.00	30	36	30.00

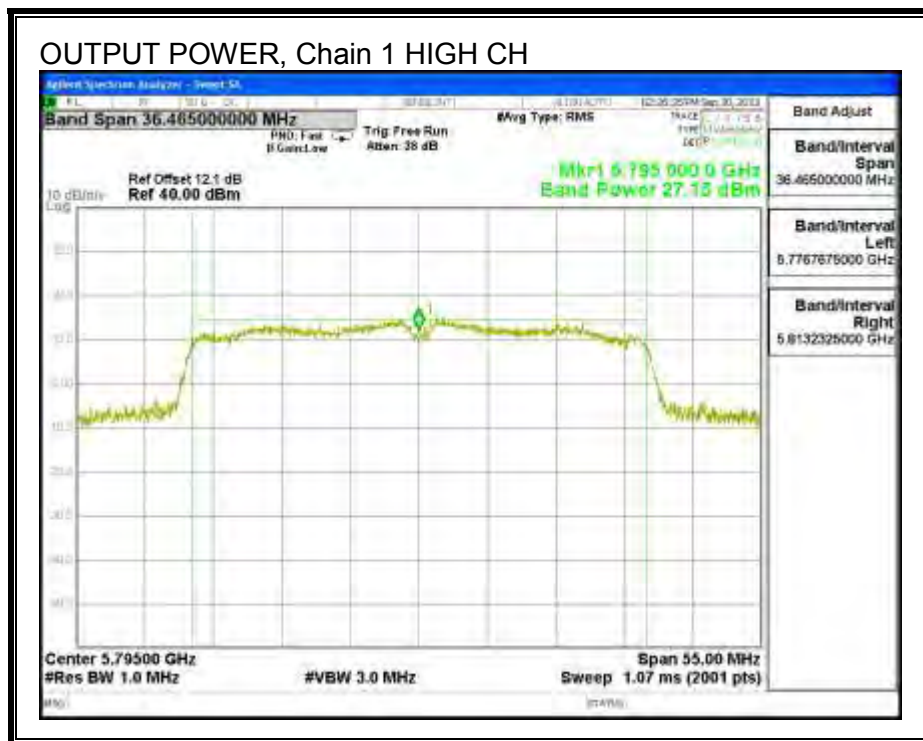
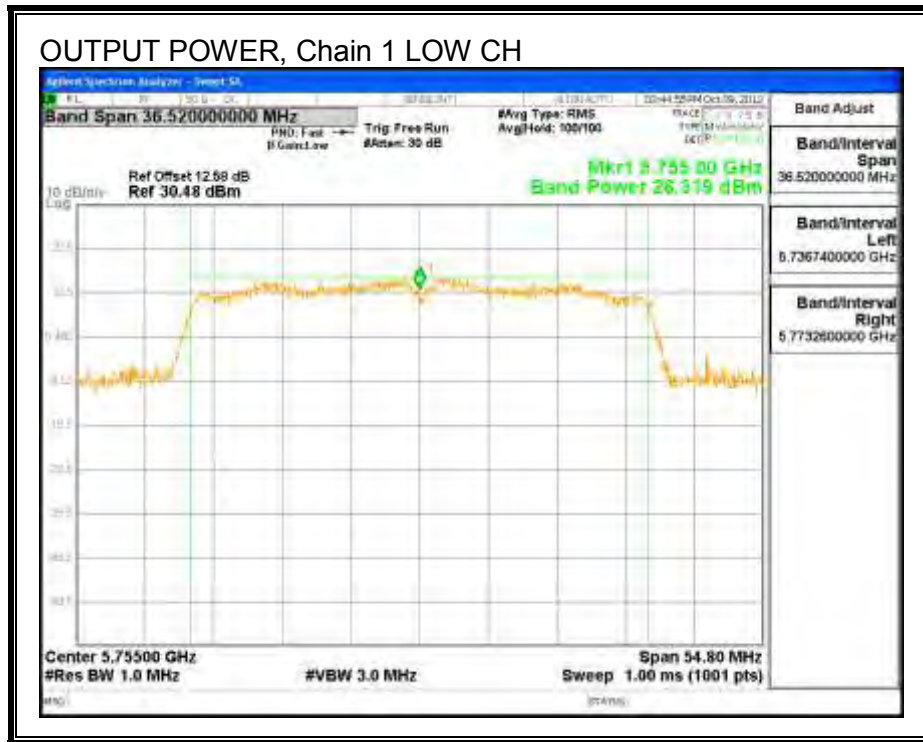
##### Results

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	26.44	26.32	29.39	30.00	-0.61
High	5795	25.33	27.15	29.34	30.00	-0.66

**OUTPUT POWER, Chain 0**



**OUTPUT POWER, Chain 0**



### 8.13.5. PSD

#### LIMITS

FCC §15.247

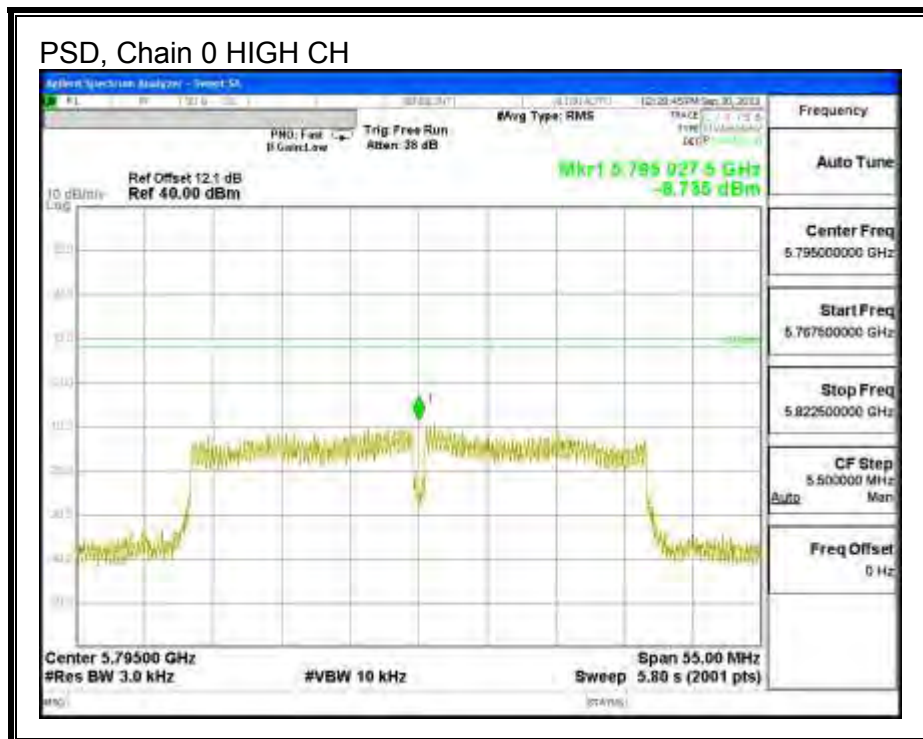
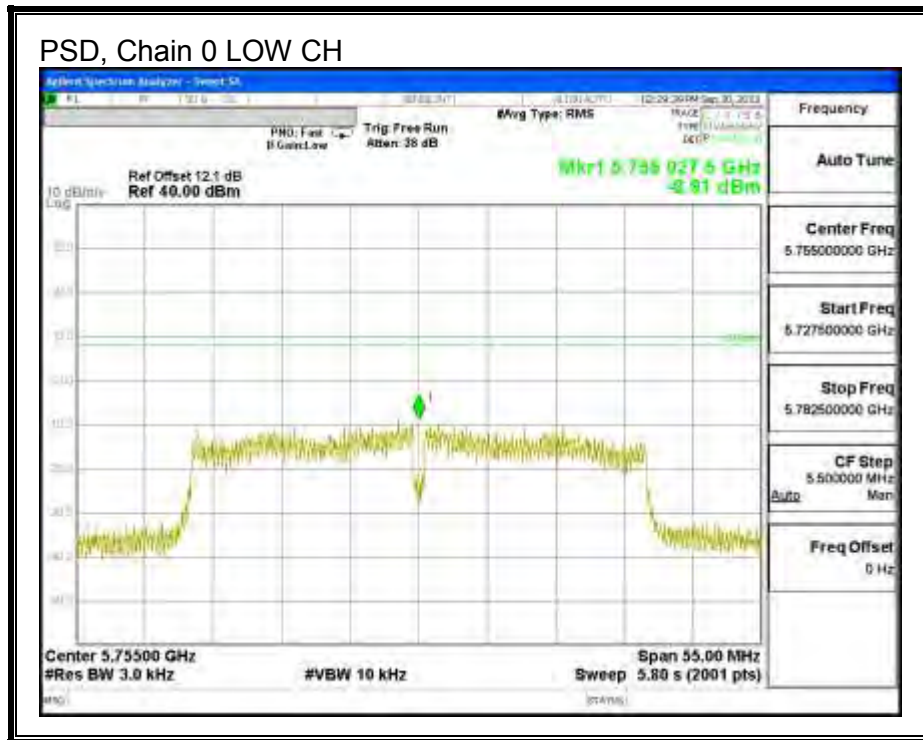
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

#### RESULTS

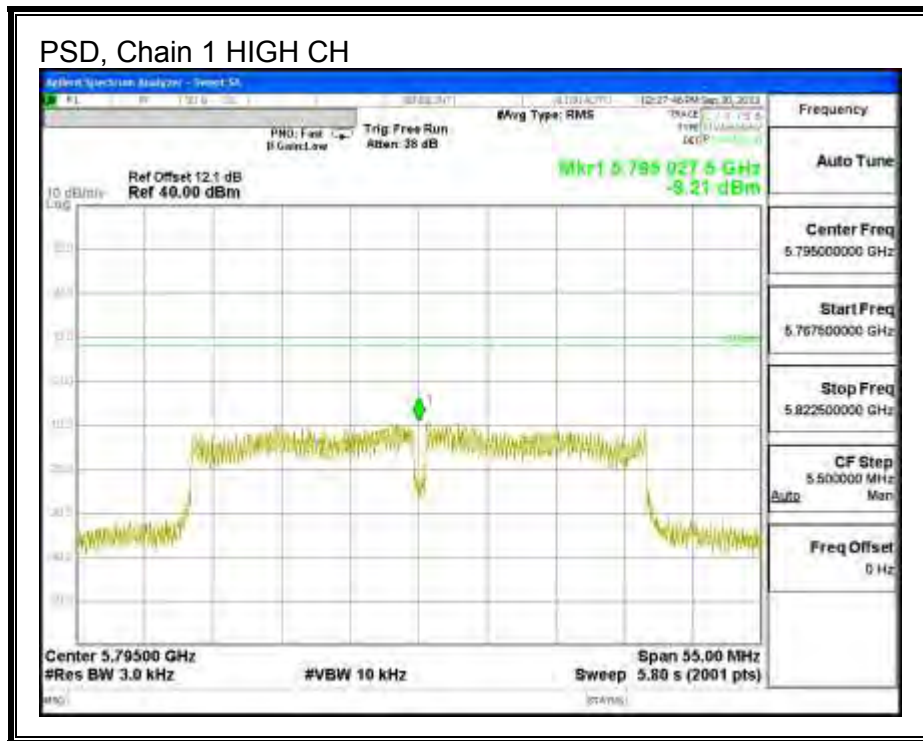
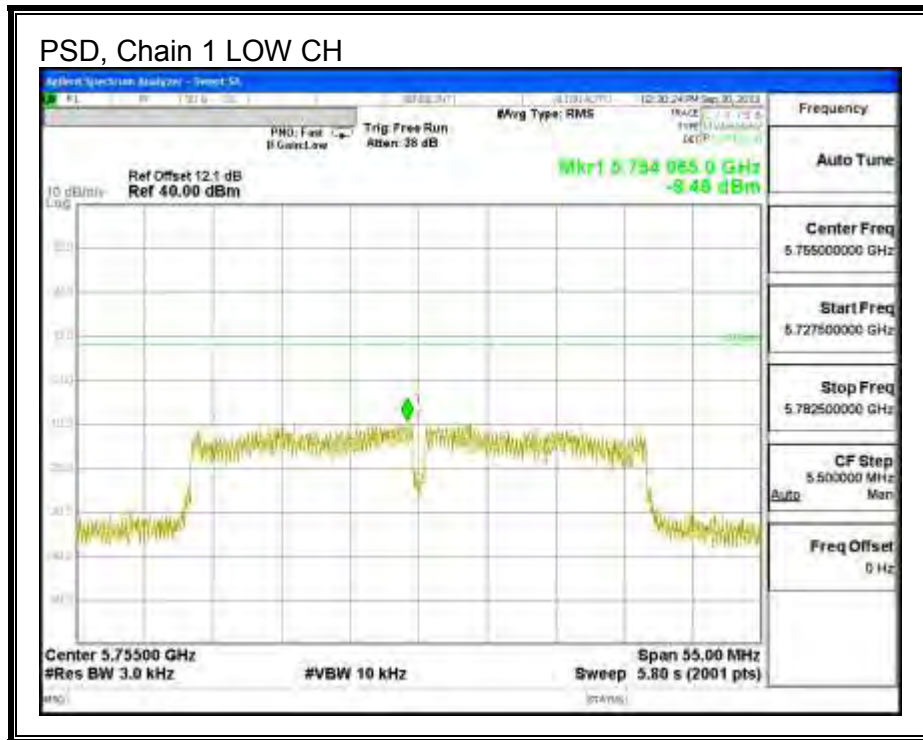
##### PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Chain 1 Meas (dBm)	Total PSD (dBm)	Limit (dBm)	Margin (dB)
Low	5755	-8.91	-9.48	-6.18	8.0	-14.2
High	5795	-8.73	-9.21	-5.95	8.0	-14.0

**PSD, Chain 0**



**PSD, Chain 1**



### **8.13.6. OUT-OF-BAND EMISSIONS**

#### **LIMITS**

FCC §15.247 (d)

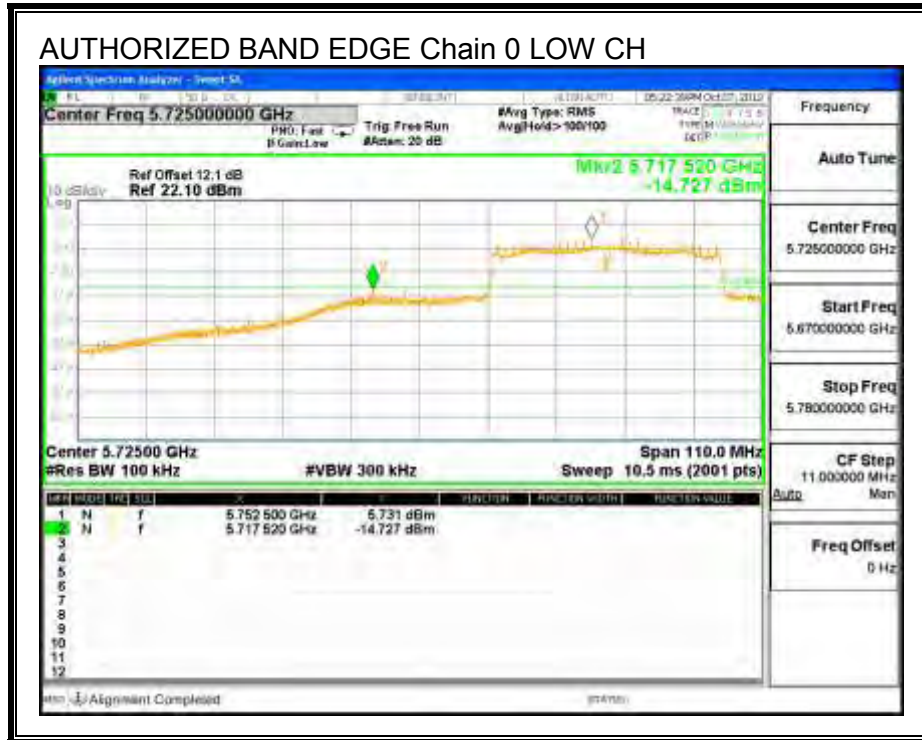
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

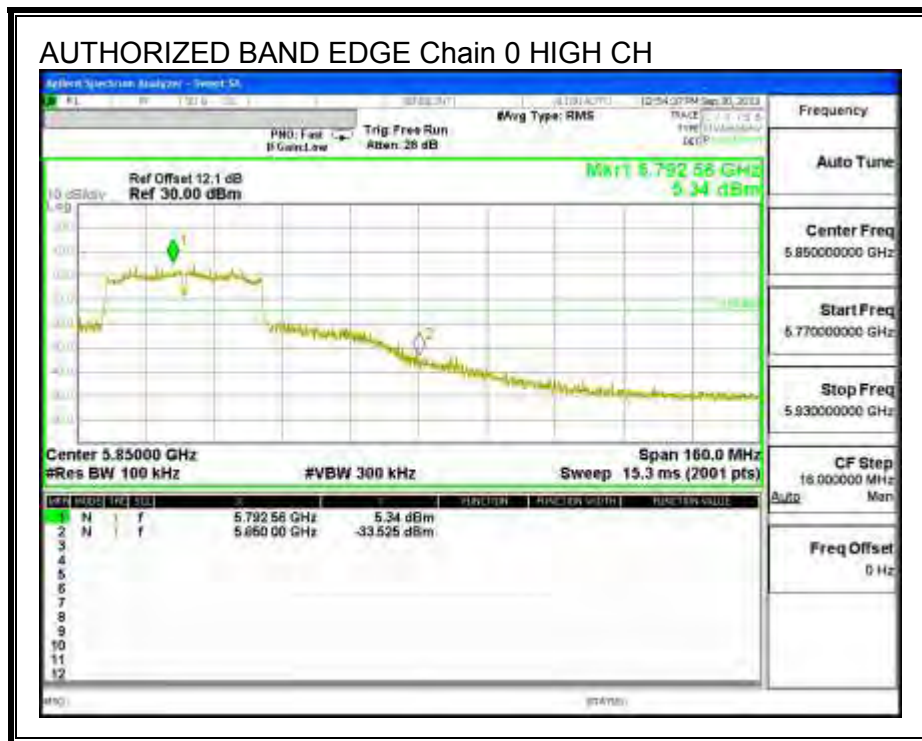
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.



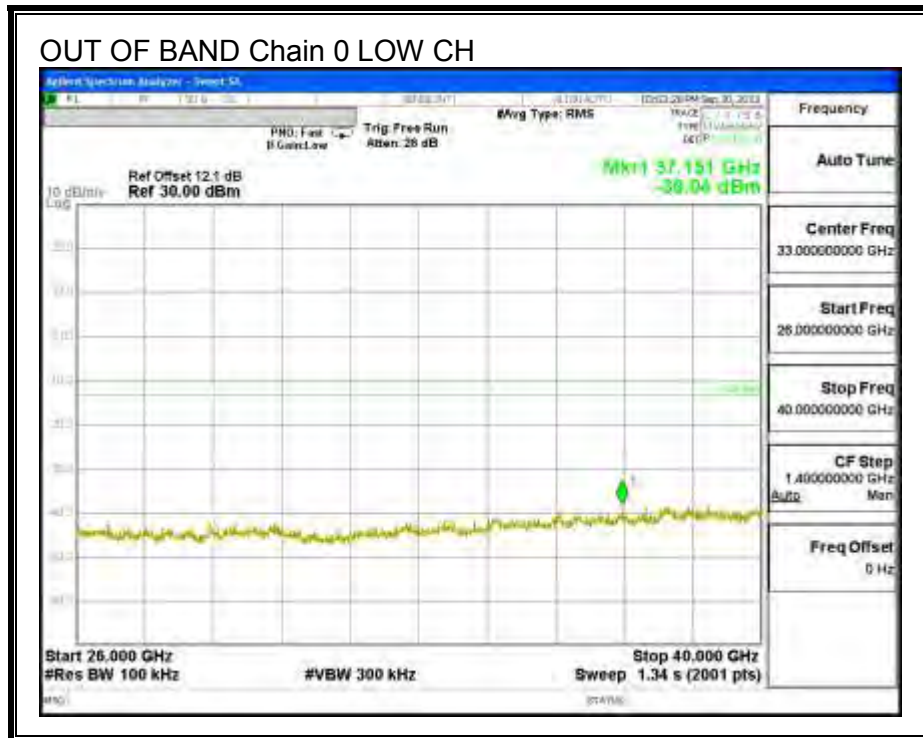
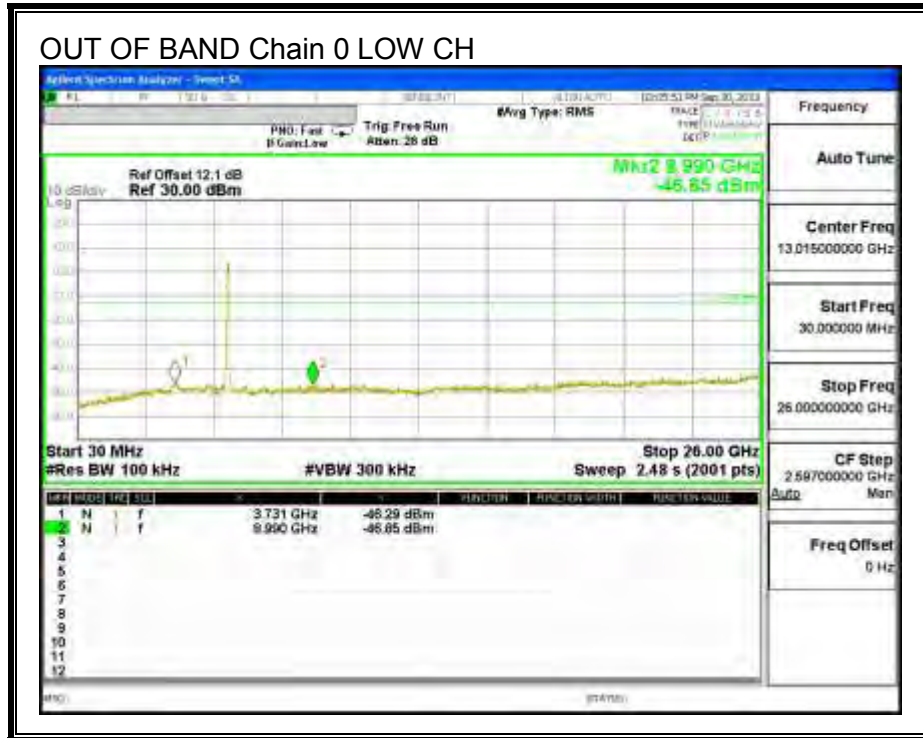
**LOW CHANNEL BANDEDGE, Chain 0**

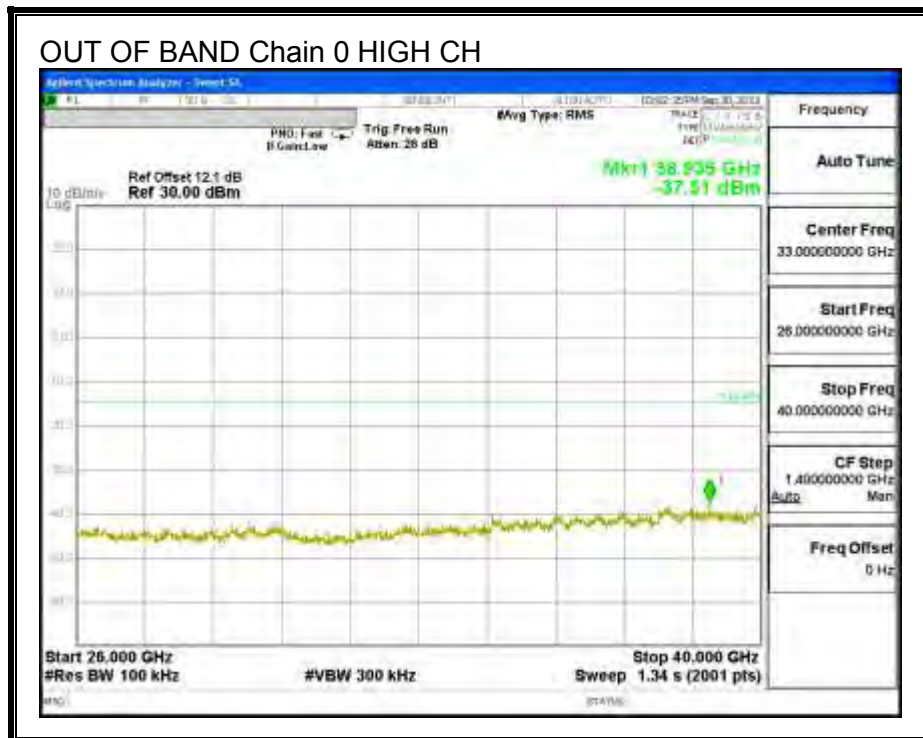
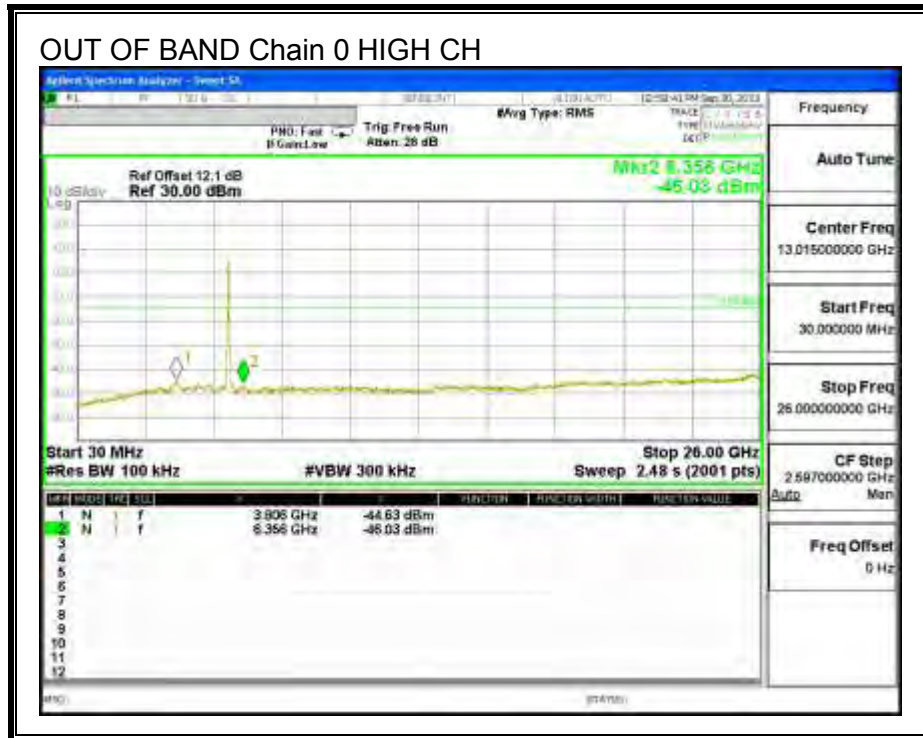


**HIGH CHANNEL BANDEDGE, Chain 0**

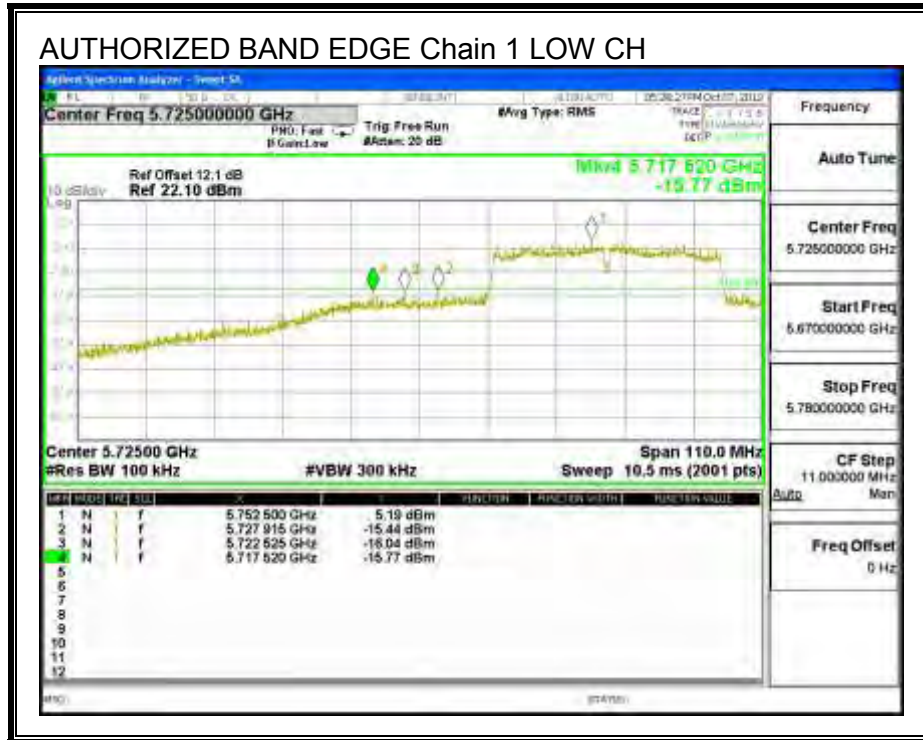


**OUT-OF-BAND EMISSIONS, Chain 0**

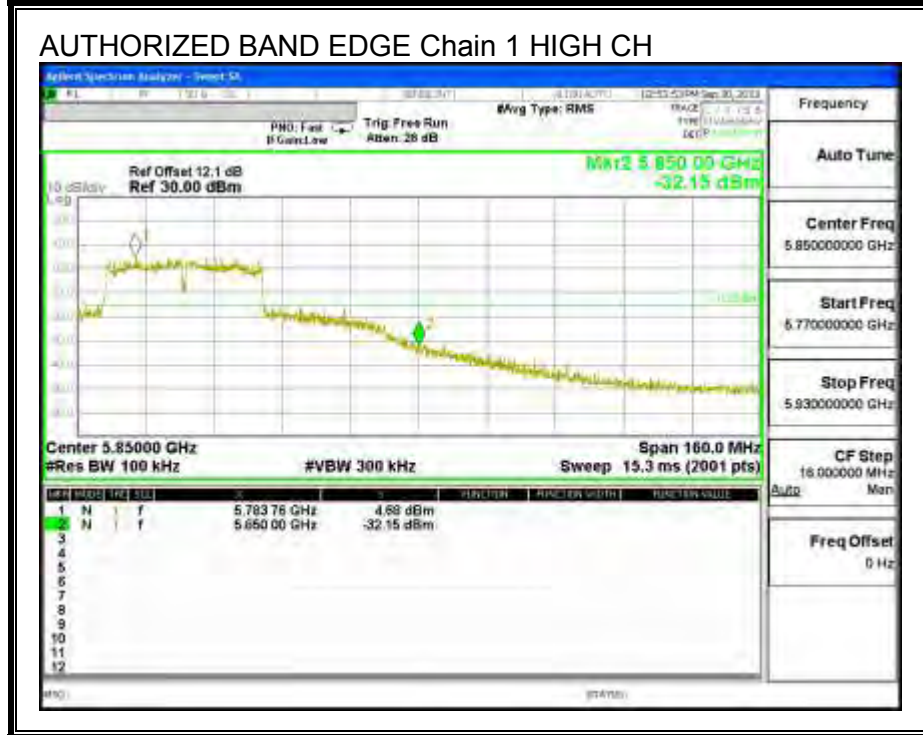


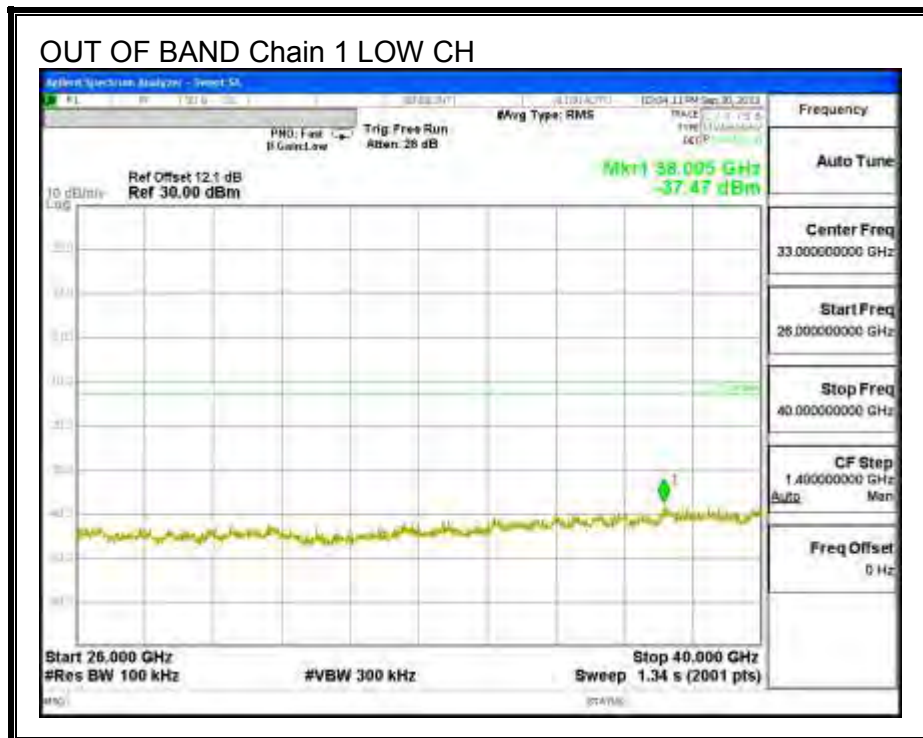
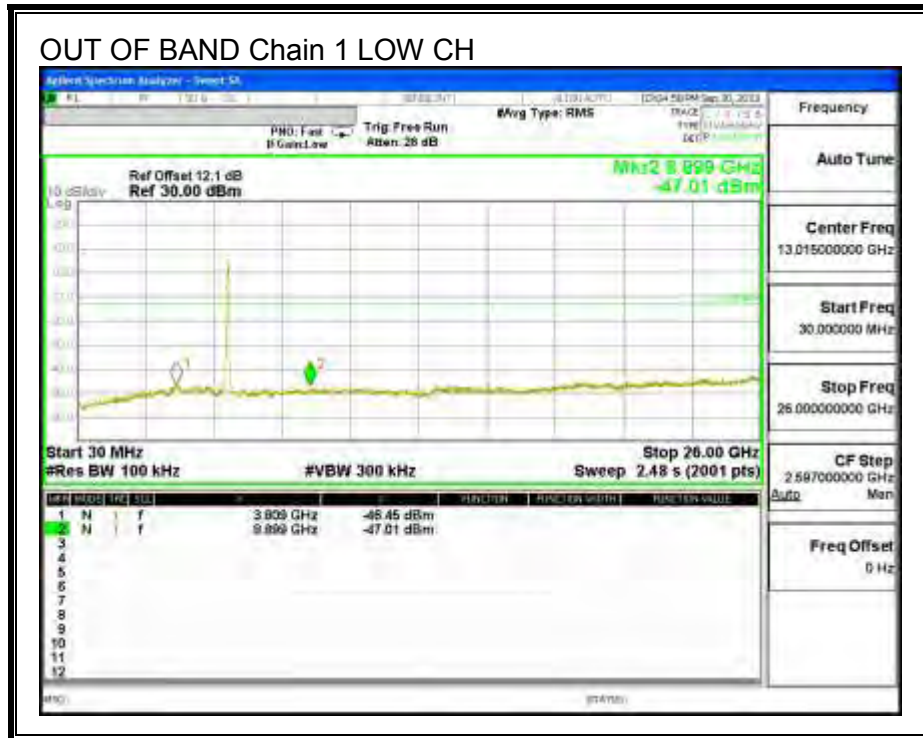


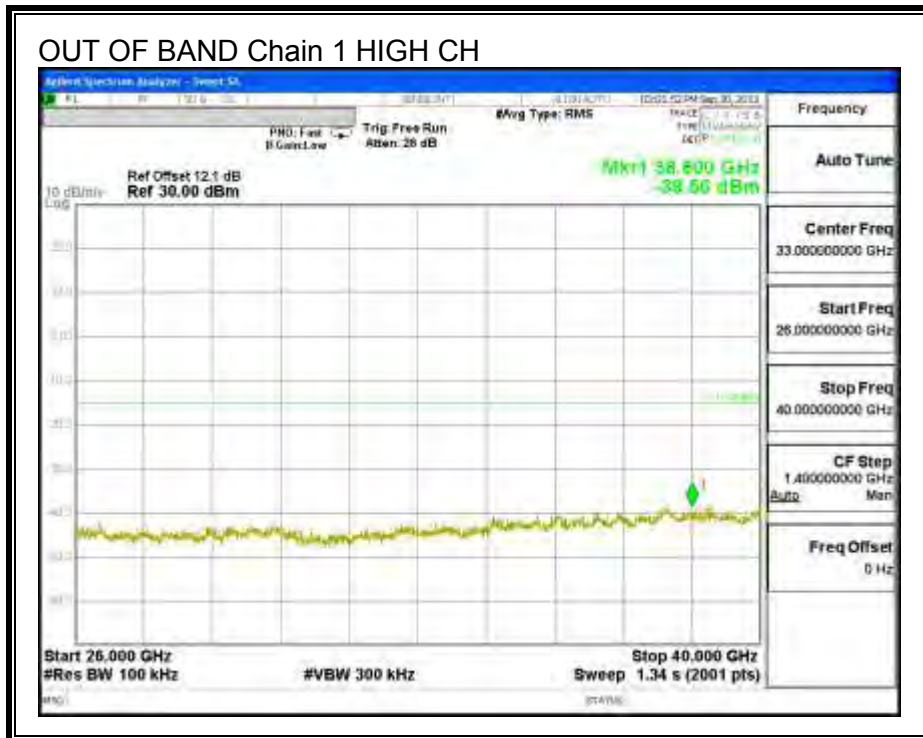
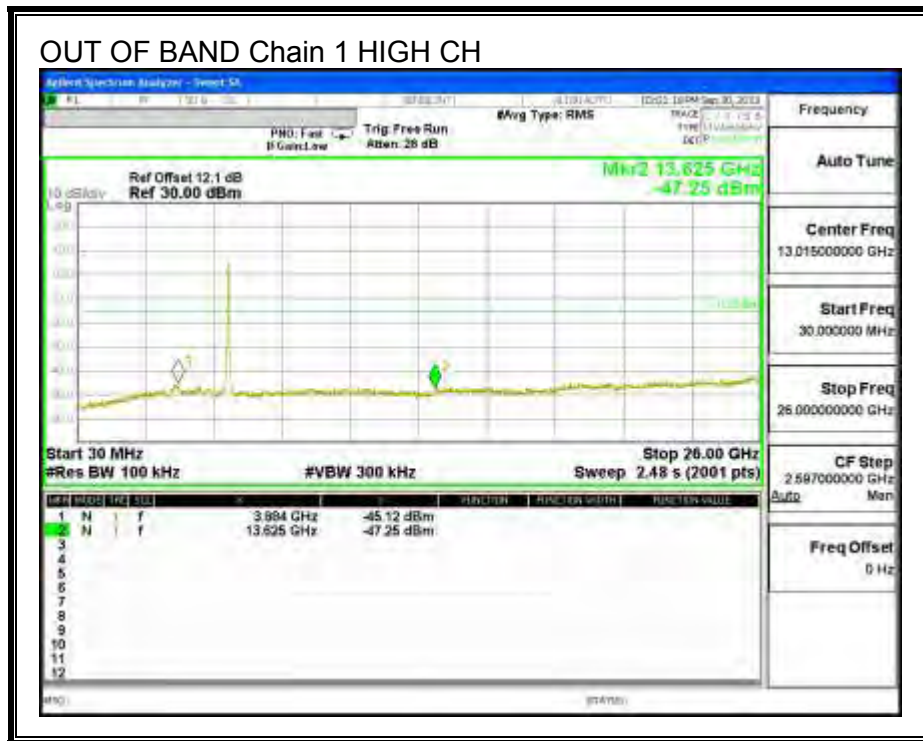
**LOW CHANNEL BANDEDGE, Chain 1**



**HIGH CHANNEL BANDEDGE, Chain 1**







## 9. RADIATED TEST RESULTS

### 9.1. LIMITS AND PROCEDURE

#### LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

#### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

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

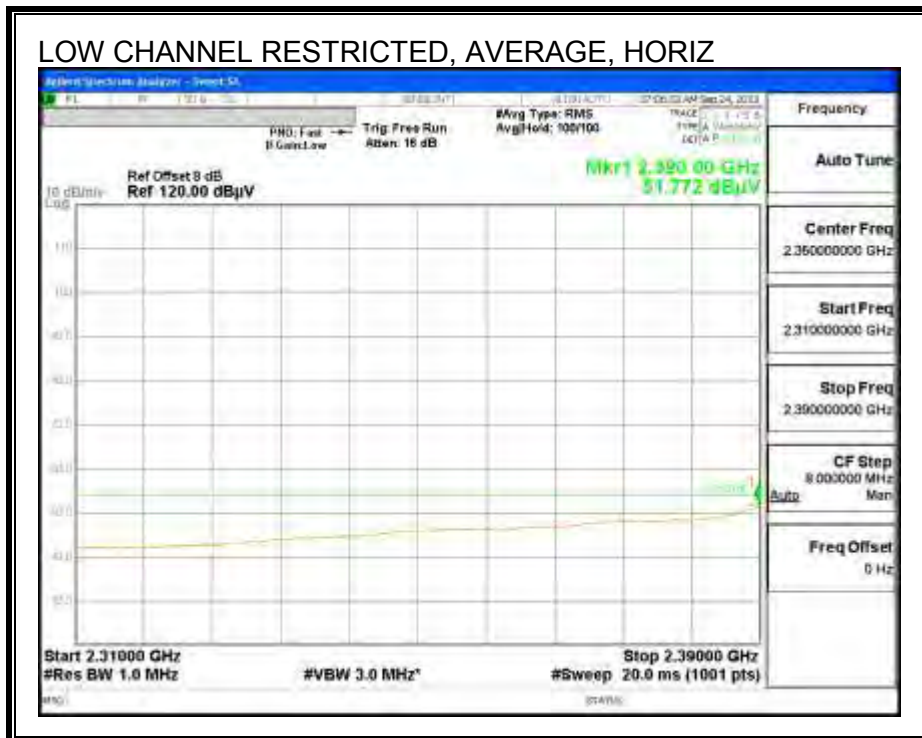
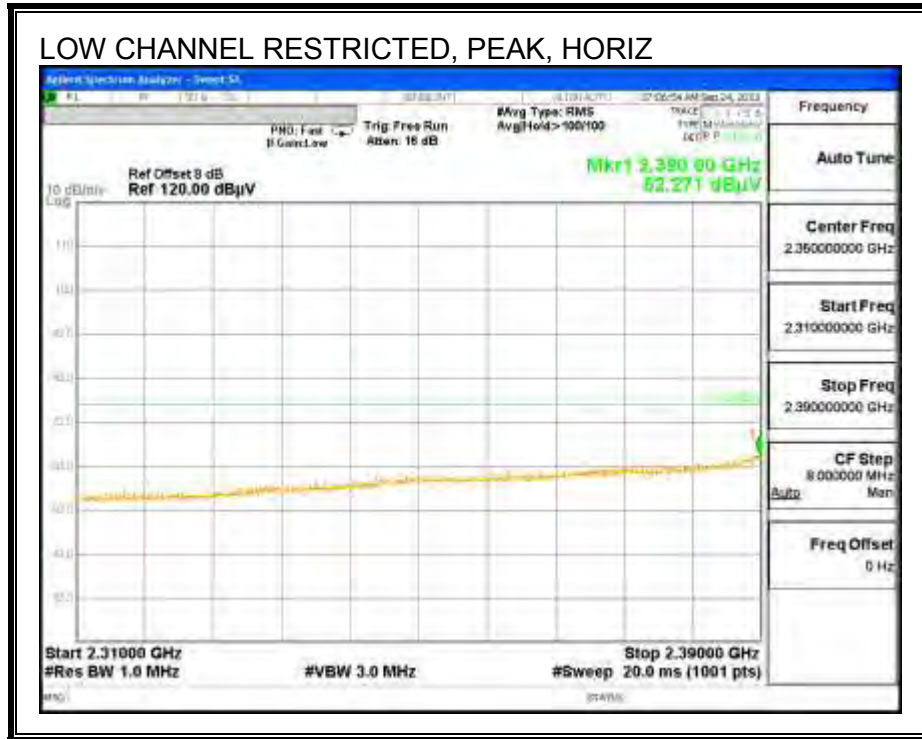
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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

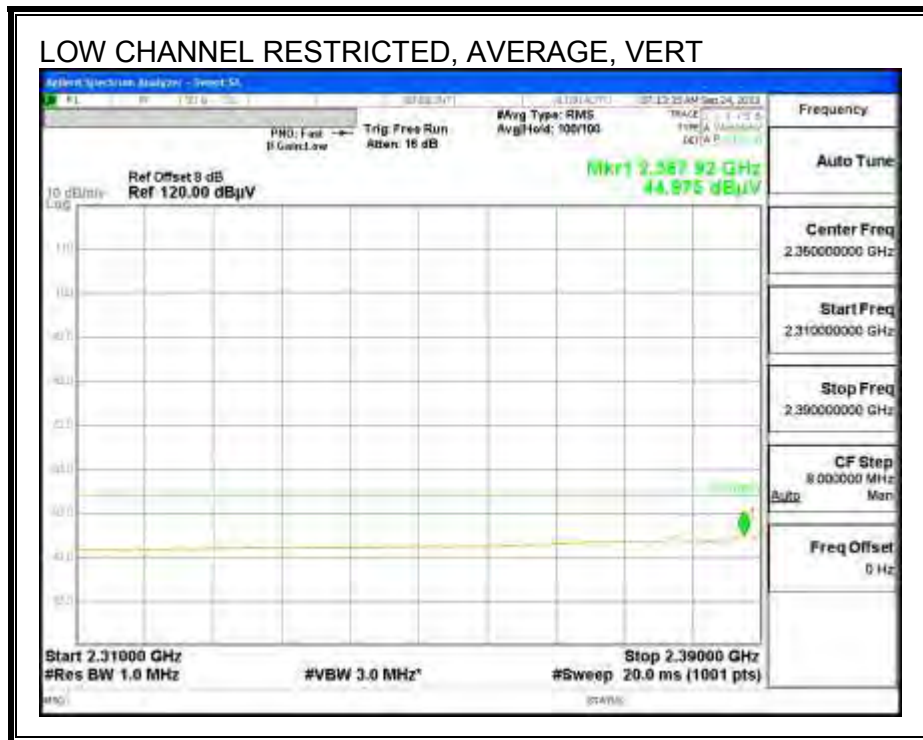
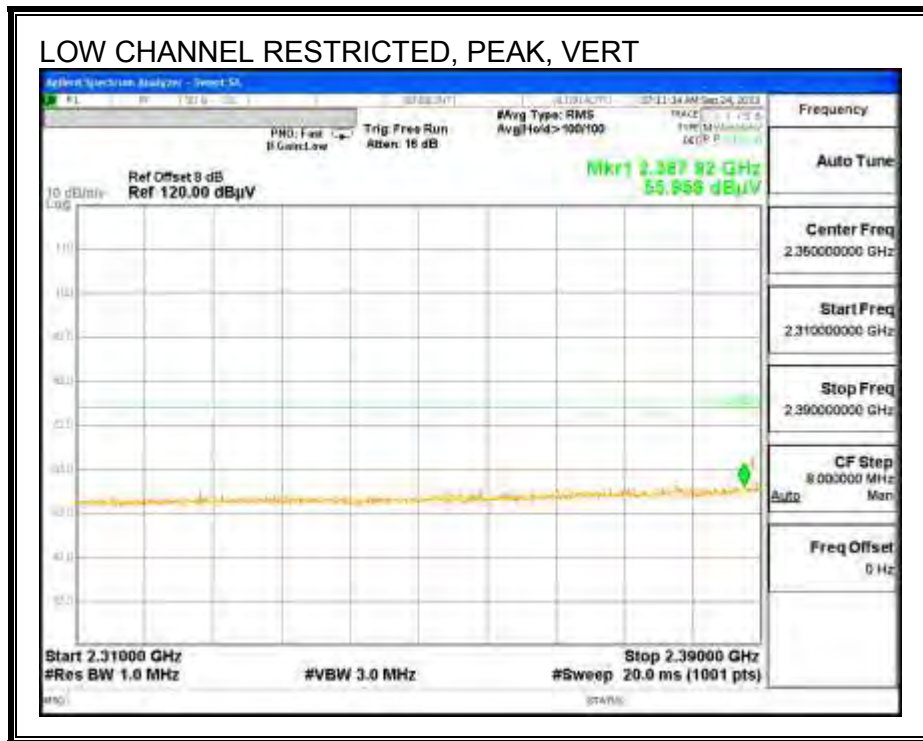
## 9.2. TRANSMITTER ABOVE 1 GHz

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

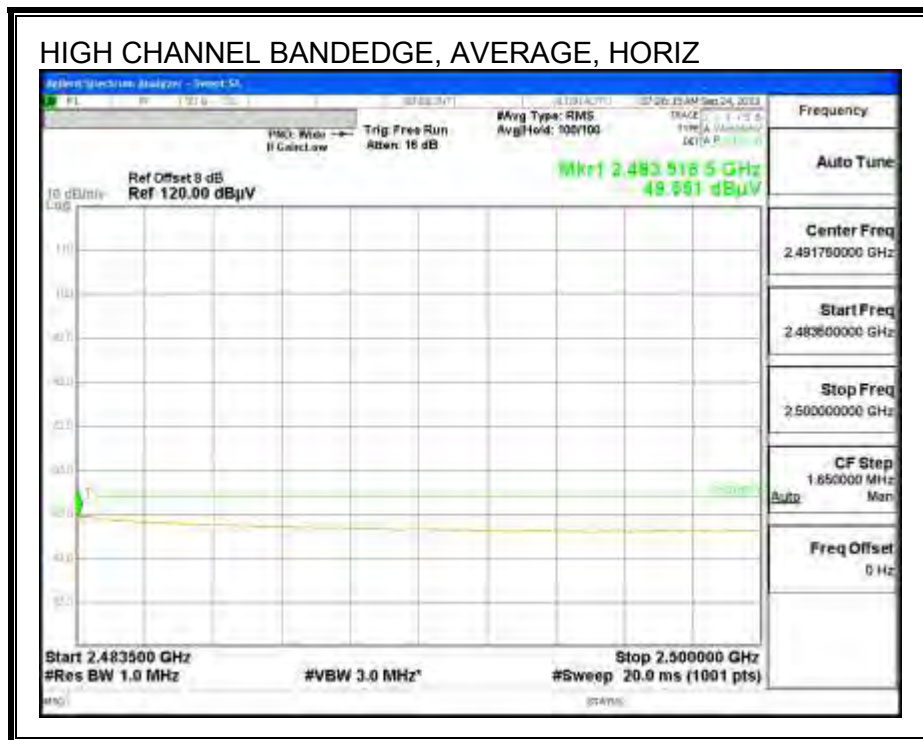
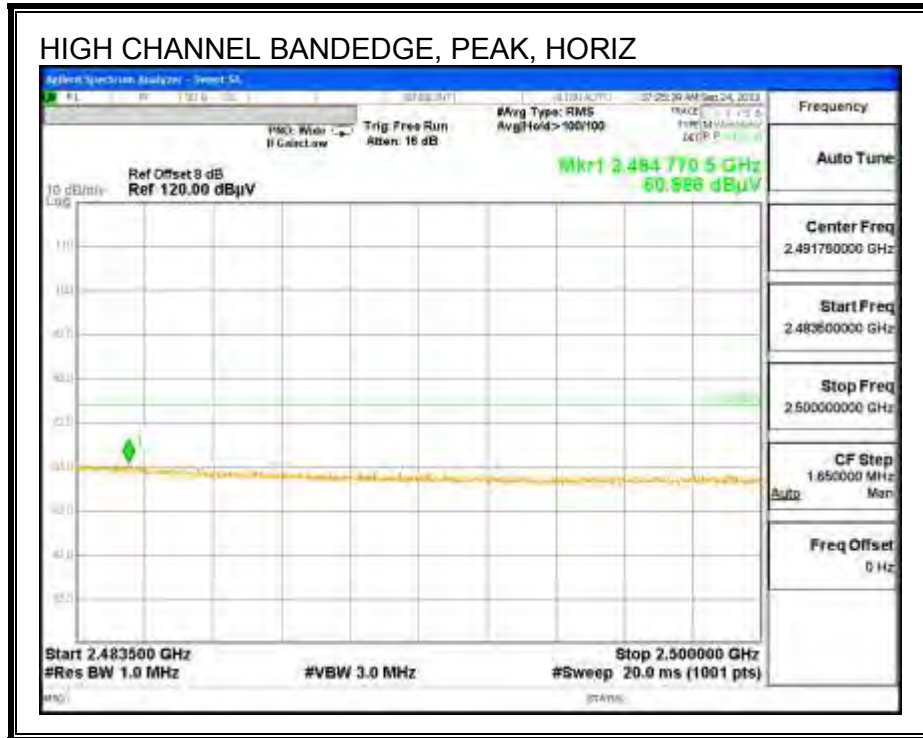
#### RESTRICTED BANDEDGE (LOW CHANNEL), CH 1

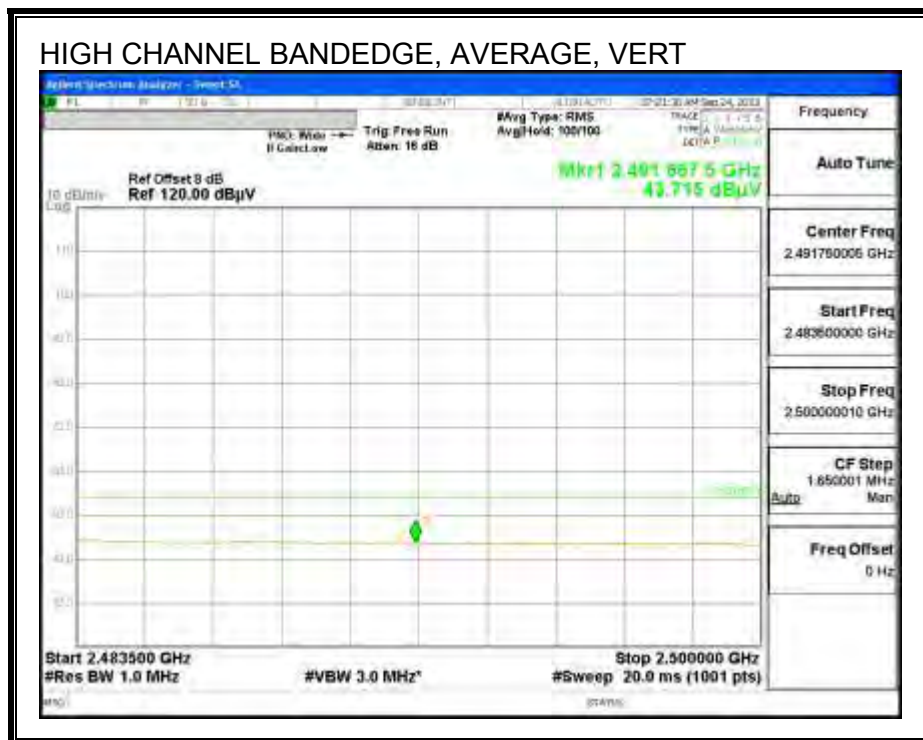
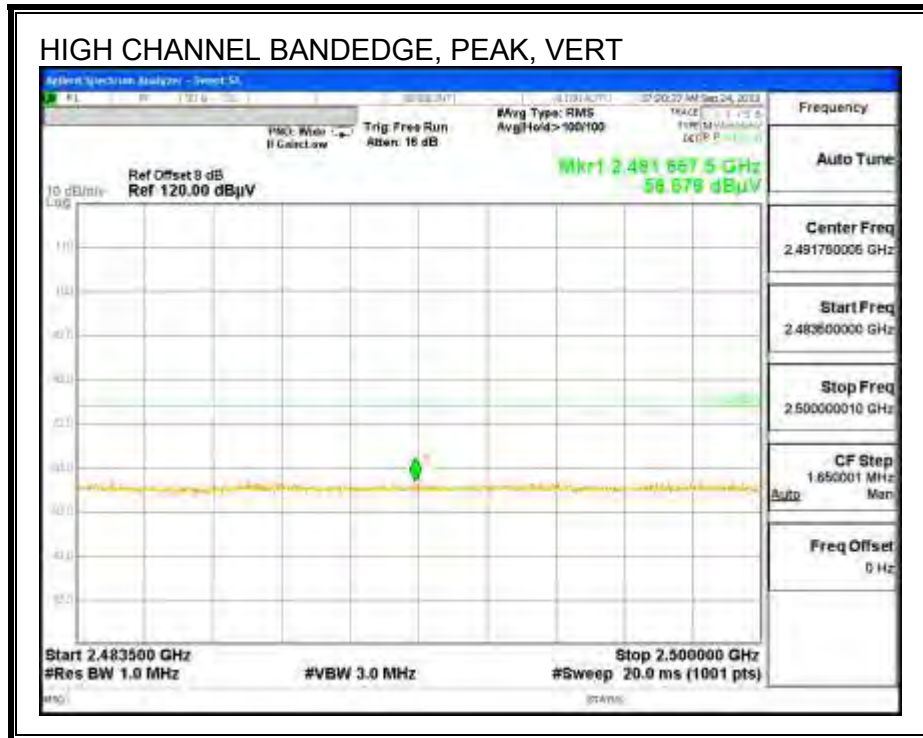






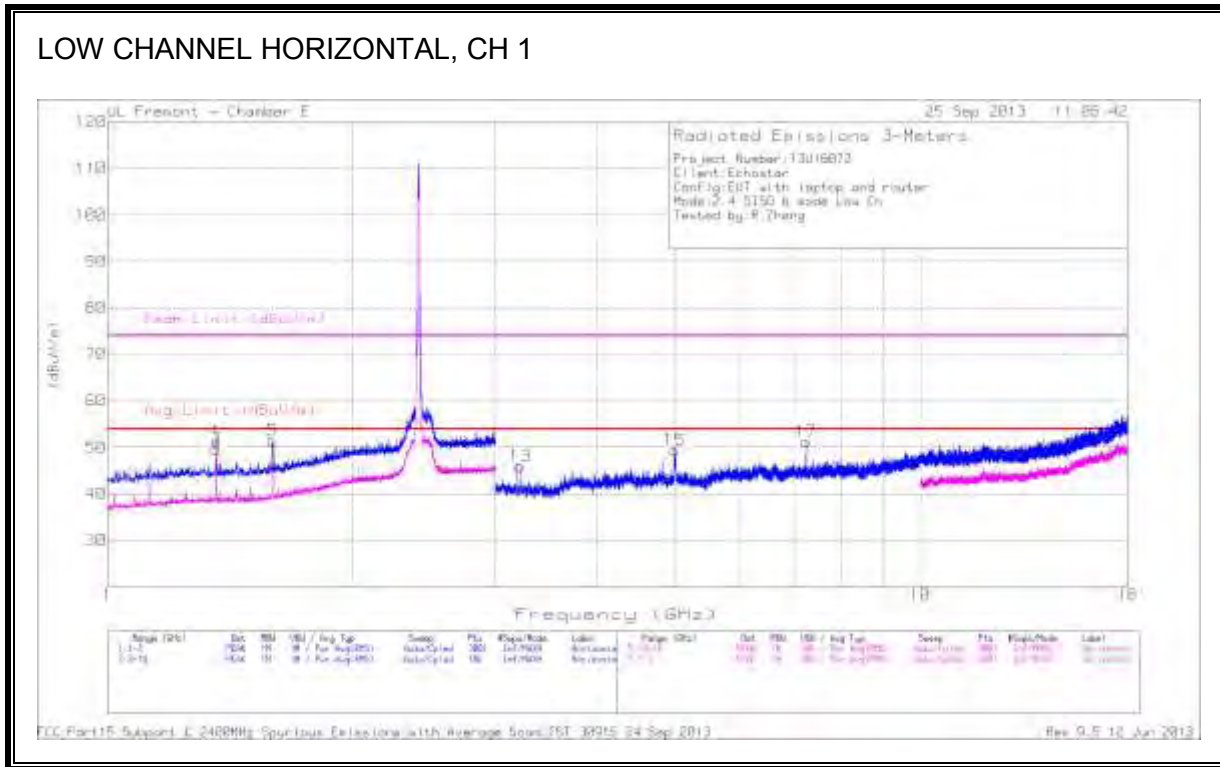
**AUTHORIZED BANDEDGE (HIGH CHANNEL)**



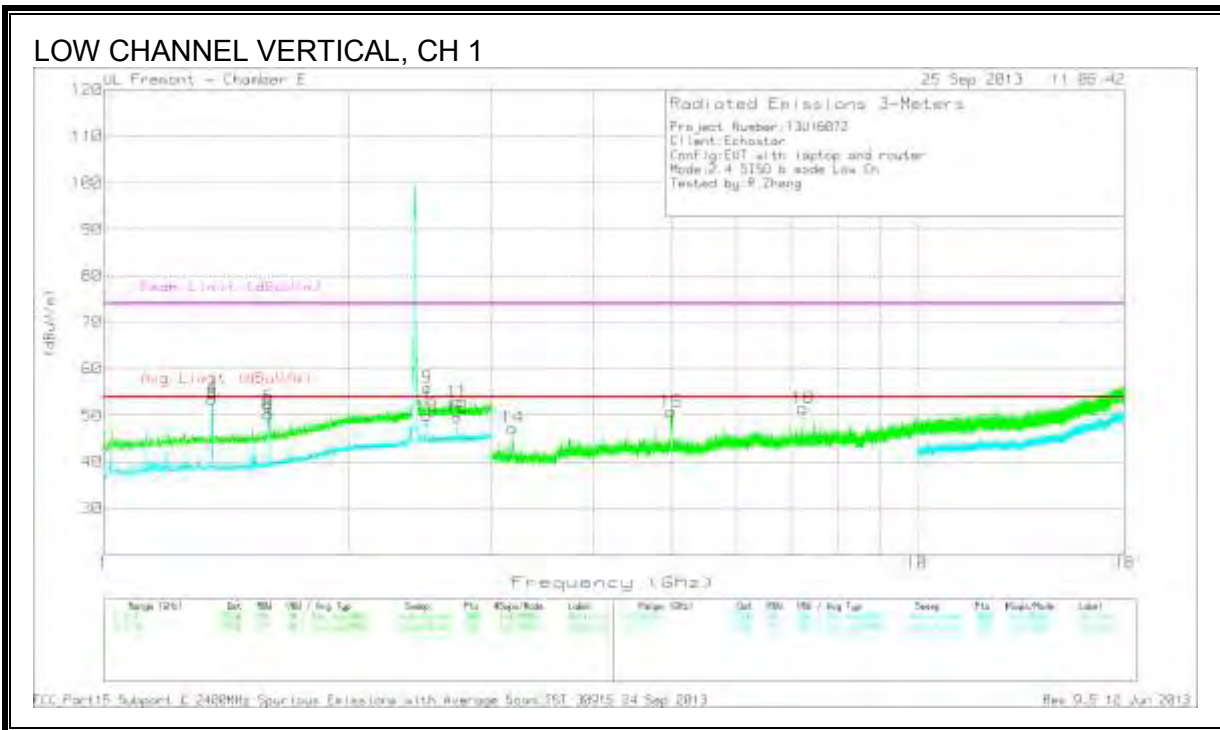


**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL, CH 1**



**LOW CHANNEL VERTICAL, CH 1**



**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/C b/10d B Pad	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.361	49.18	PK	29	-26.8	51.38	-	-	74	-22.62	199	H
3	1.36	47.47	PK (VB)	29	-26.8	49.67	53.97	-4.30	-	-	199	H
5	1.597	48.57	PK	29.5	-26.6	51.47	-	-	74	-22.53	199	H
7	1.597	43.52	PK (VB)	29.5	-26.6	46.42	53.97	-7.55	-	-	199	H
2	1.361	52.48	PK	29	-26.8	54.68	-	-	74	-19.32	100	V
4	1.36	51.31	PK (VB)	29	-26.8	53.51	53.97	-0.46	-	-	100	V
6	1.595	49.16	PK	29.4	-26.6	51.96	-	-	74	-22.04	199	V
8	1.593	47.4	PK (VB)	29.4	-26.6	50.2	53.97	-3.77	-	-	200	V
9	2.499	47.64	PK	32.7	-24.4	55.94	-	-	74	-18.06	100	V
10	2.499	41.49	PK (VB)	32.7	-24.4	49.79	53.97	-4.18	-	-	100	V
11	2.721	43.98	PK	33.1	-24.2	52.88	-	-	74	-21.12	100	V
12	2.72	40.73	PK (VB)	33.1	-24.2	49.63	53.97	-4.34	-	-	100	V
13	3.217	44.85	PK	33.4	-32.3	45.95	53.97	-8.02	74	-28.05	199	H
15	4.984	45.89	PK	34.4	-30.9	49.39	53.97	-4.58	74	-24.61	100	H
17	*7.236	43.8	PK	36	-28.6	51.2	-	-	-	-	199	H
14	3.185	46.04	PK	33.3	-32.1	47.24	53.97	-6.73	74	-26.76	100	V
16	4.988	47.28	PK	34.4	-30.9	50.78	53.97	-3.19	74	-23.22	100	V
18	*7.238	44.13	PK	36	-28.6	51.53	-	-	-	-	199	V

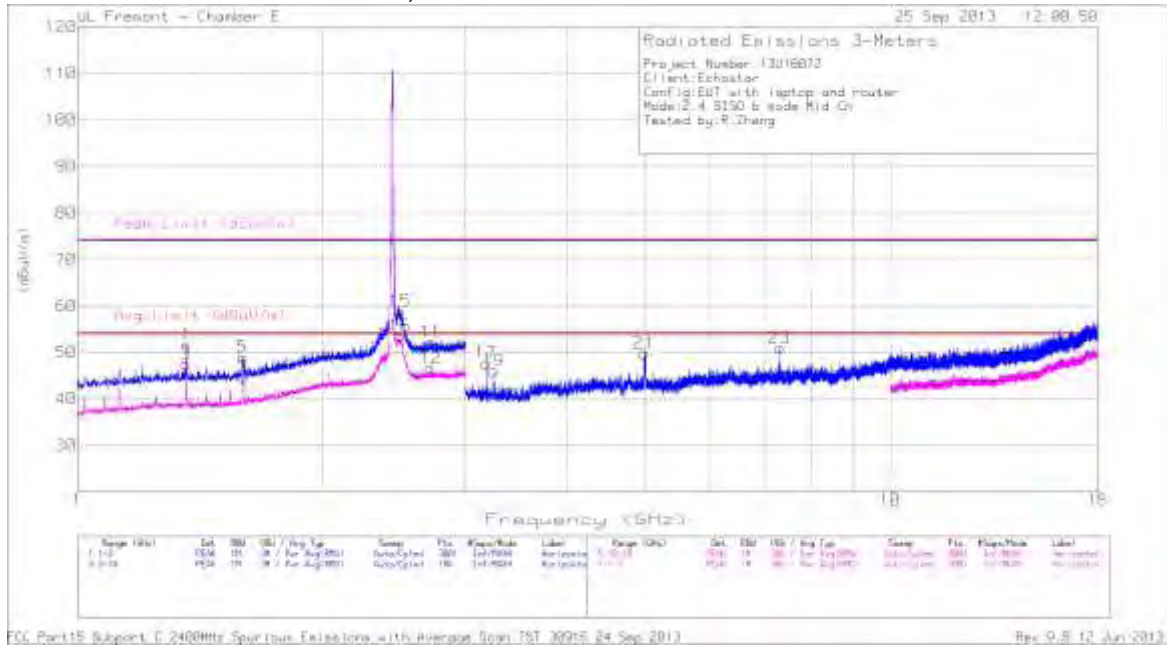
PK - Peak detector

\*Not in Restricted Bands

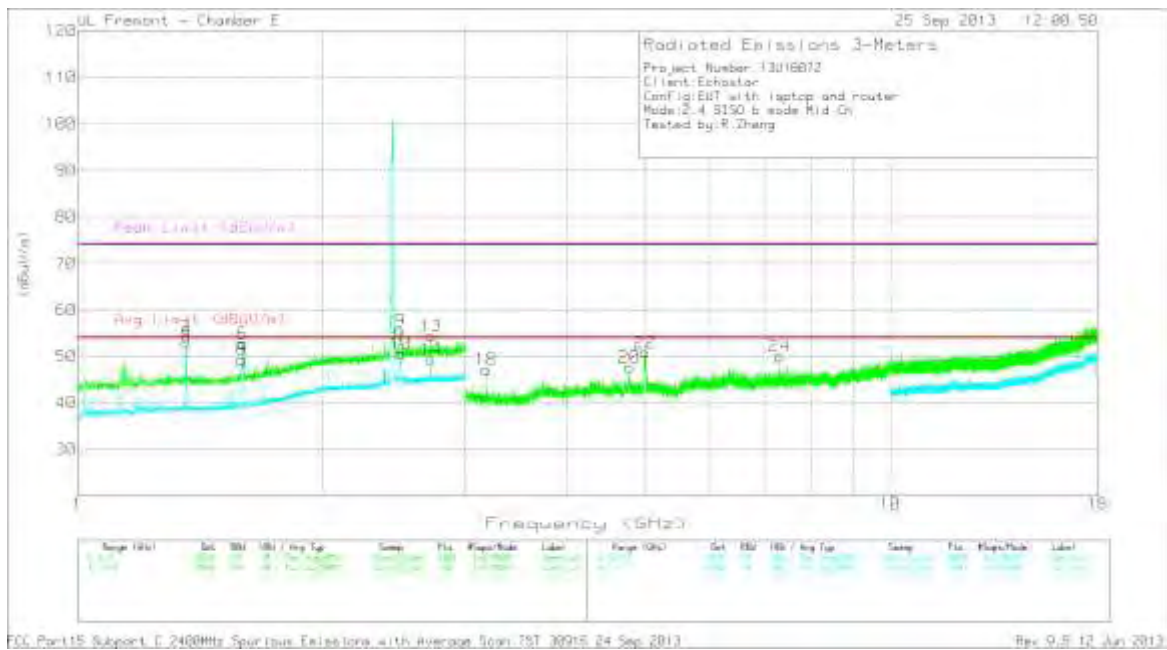
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.36	44.47	MAv1	29	-26.8	46.67	53.97	-7.30	-	-	199	H
1.36	48.31	MAv1	29	-26.8	50.51	53.97	-3.46	-	-	100	V
1.593	44.4	MAv1	29.4	-26.6	47.2	53.97	-6.77	-	-	200	V
2.499	38.49	MAv1	32.7	-24.4	46.79	53.97	-7.18	-	-	100	V
2.72	37.73	MAv1	33.1	-24.2	46.63	53.97	-7.34	-	-	100	V
4.989	37.32	MAv1	34.4	-30.9	40.82	53.97	-13.15	-	-	101	V
4.998	36.79	MAv1	34.4	-30.9	40.29	53.97	-13.68	-	-	110	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL, CH 6



MID CHANNEL VERTICAL, CH 6



**DATA**

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)	Height (cm)	Polarity
1	1.361	49.42	PK	29	-26.8	51.62	-	-	74	-22.38	199	H
3	1.359	45.28	PK (VB)	29	-26.8	47.48	53.97	-6.49	-	-	199	H
2	1.361	52.06	PK	29	-26.8	54.26	-	-	74	-19.74	100	V
4	1.360	50.74	PK (VB)	29	-26.8	52.94	53.97	-1.03	-	-	100	V
5	1.595	46.19	PK	29.4	-26.6	48.99	-	-	74	-25.01	199	H
6	1.595	49.9	PK	29.4	-26.6	52.7	-	-	74	-21.3	200	V
7	1.599	41.76	PK (VB)	29.5	-26.5	44.76	53.97	-9.21	-	-	199	H
8	1.594	43.95	PK (VB)	29.4	-26.6	46.75	53.97	-6.02	-	-	199	V
9	2.497	47.23	PK	32.7	-24.4	55.53	-	-	74	-18.47	100	V
10	2.499	42.23	PK (VB)	32.7	-24.4	50.53	53.97	-3.44	-	-	100	V
11	2.721	43.29	PK	33.1	-24.2	52.19	-	-	74	-21.81	199	H
12	2.720	37.67	PK (VB)	33.1	-24.2	46.57	53.97	-7.4	-	-	199	H
13	2.721	45.46	PK	33.1	-24.2	54.36	-	-	74	-19.64	200	V
14	2.720	38.06	PK (VB)	33.1	-24.2	47.96	53.97	-6.01	-	-	100	V
15	2.494	50.65	PK	32.7	-24.5	58.85	-	-	74	-15.15	199	H
16	2.493	45.31	PK (VB)	32.7	-24.5	53.51	53.97	-0.46	-	-	199	H
17	3.184	46.52	PK	33.3	-32.1	47.72	53.97	-6.25	74	-26.28	100	H
18	3.184	45.88	PK	33.3	-32.1	47.08	53.97	-6.89	74	-26.92	100	V
19	3.250	44.84	PK	33.4	-32.2	46.04	53.97	-7.93	74	-27.96	100	H
20	4.777	43.97	PK	34.4	-30.7	47.67	53.97	-6.30	74	-26.33	200	V
21	4.981	46.35	PK	34.4	-30.9	49.85	53.97	-4.12	74	-24.15	100	H
22	4.994	47.42	PK	34.4	-31.0	50.82	53.97	-3.15	74	-23.18	100	V



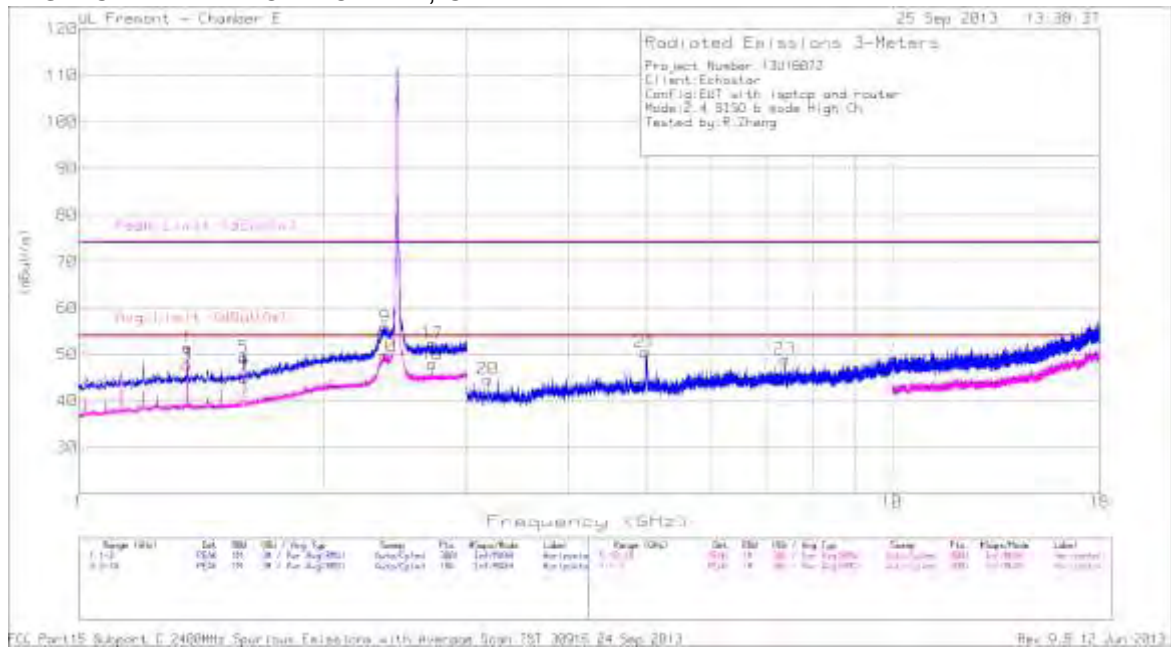
23	7.311	43.14	PK	36	-28.2	50.94	53.97	-3.03	74	-23.06	199	H
24	7.311	42.2	PK	36	-28.2	50	53.97	-3.97	74	-24.00	200	V

PK - Peak detector

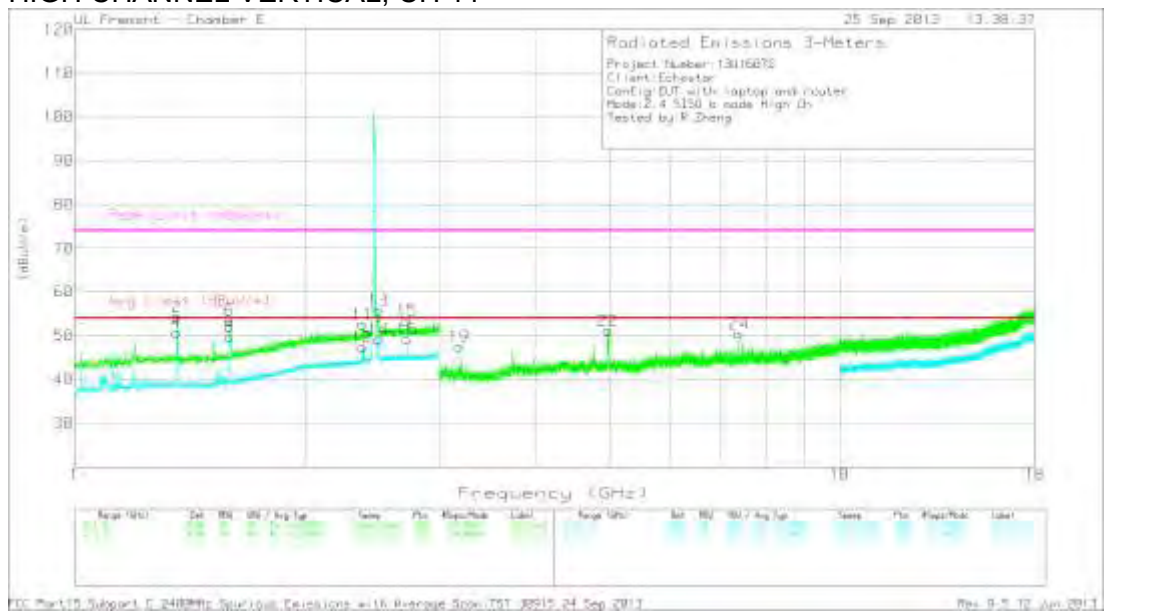
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.360	47.75	MAv1	29	-26.8	49.95	53.97	-4.02	-	-	100	V
2.499	39.24	MAv1	32.7	-24.4	47.54	53.97	-6.43	-	-	100	V
2.493	39.34	MAv1	32.7	-24.5	47.54	53.97	-6.43	-	-	199	H
4.997	36.07	MAv1	34.4	-31	39.47	53.97	-14.5	-	-	177	H
4.997	33.55	MAv1	34.4	-30.9	37.05	53.97	-16.92	-	-	121	V
7.310	35.99	MAv1	36	-28.2	43.79	53.97	-10.18	-	-	130	V
7.312	37.5	MAv1	36	-28.2	45.3	53.97	-8.67	-	-	119	H

MAv1 - KDB558074 V03r01Option 1 Maximum RMS Average

### HIGH CHANNEL HORIZONTAL, CH 11



### HIGH CHANNEL VERTICAL, CH 11



**DATA**

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)	Height (cm)	Polarity
1	1.361	49.24	PK	29	-26.8	51.44	-	-	74	-22.56	199	H
3	1.359	45.54	PK (VB)	29	-26.8	47.74	53.97	-6.23	-	-	199	H
2	1.361	52.13	PK	29	-26.8	54.33	-	-	74	-19.67	100	V
4	1.359	48.51	PK (VB)	29	-26.8	50.71	53.97	-3.26	-	-	100	V
5	1.595	46.55	PK	29.4	-26.6	49.35	-	-	74	-24.65	199	H
6	1.594	50.85	PK	29.4	-26.6	53.65	-	-	74	-20.35	199	V
7	1.599	42.08	PK (VB)	29.5	-26.5	45.08	53.97	-8.89	-	-	199	H
8	1.595	46.98	PK (VB)	29.4	-26.6	49.78	53.97	-4.19	-	-	200	V
9	2.378	48.36	PK	32.6	-25.0	55.96	-	-	74	-18.04	100	H
10	2.381	42.11	PK (VB)	32.6	-25.0	49.71	53.97	-4.26	-	-	100	H
11	2.379	45.00	PK	32.6	-25.0	52.6	-	-	74	-21.40	100	V
12	2.38	39.80	PK (VB)	32.6	-25	47.4	53.97	-6.57	-	-	200	V
13	2.497	47.58	PK	32.7	-24.4	55.88	-	-	74	-18.12	100	V
14	2.498	39.68	PK (VB)	32.7	-24.4	47.88	53.97	-6.09	-	-	100	V
15	2.721	44.61	PK	33.1	-24.2	53.51	-	-	74	-20.49	100	V
16	2.72	39.01	PK (VB)	33.1	-24.2	47.91	53.97	-6.06	-	-	200	V
17	2.721	43.46	PK	33.1	-24.2	52.36	-	-	74	-21.64	199	H
18	2.72	38.96	PK (VB)	33.1	-24.2	47.86	53.97	-6.11	-	-	100	H
19	3.184	46.39	PK	33.3	-32.1	47.59	53.97	-6.38	74	-26.41	100	V
20	3.185	43.52	PK	33.3	-32.1	44.72	53.97	-9.25	74	-29.28	100	H
21	4.976	46.95	PK	34.4	-30.9	50.45	53.97	-3.52	74	-23.55	100	H
22	4.982	47.71	PK	34.4	-30.9	51.21	53.97	-2.76	74	-22.79	100	V

23	7.386	40.48	PK	36.1	-27.6	48.98	53.97	-4.99	74	-25.02	100	H
24	7.386	41.95	PK	36.1	-27.6	50.45	53.97	-3.52	74	-23.55	199	V

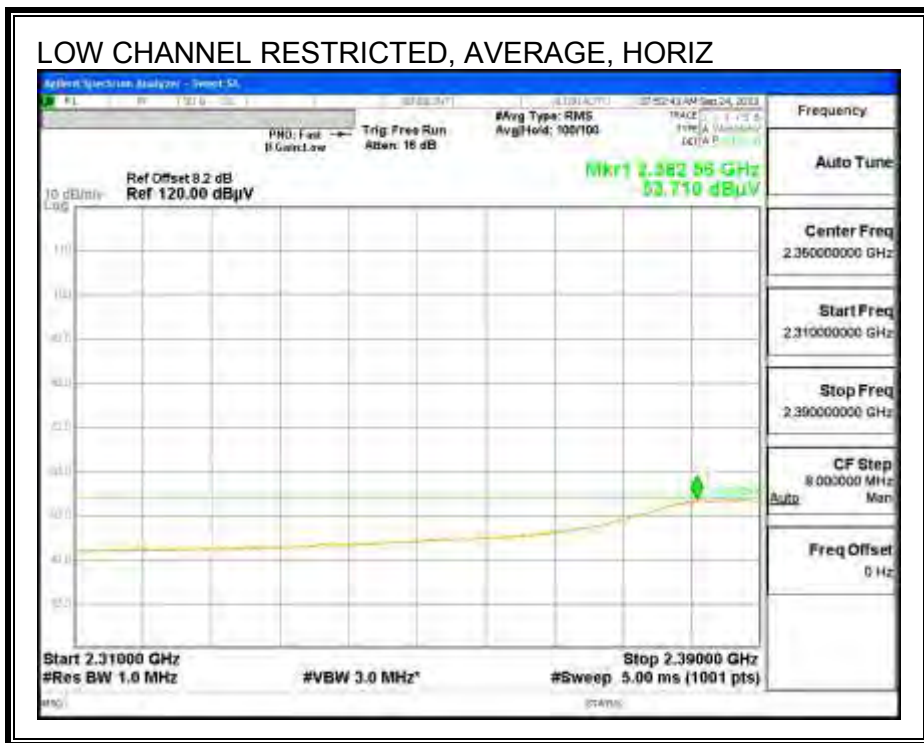
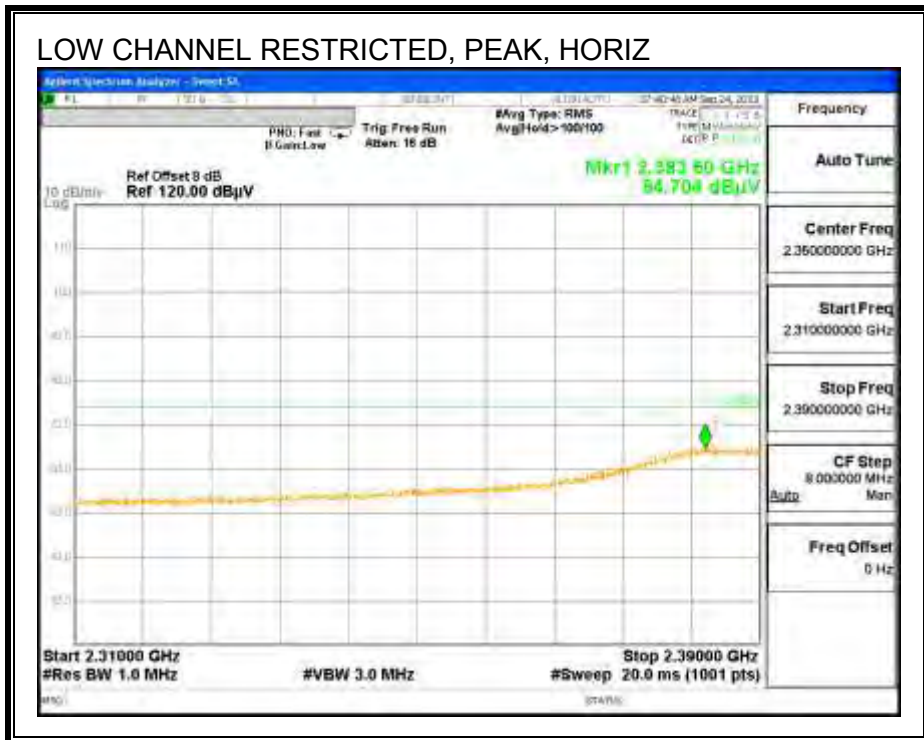
PK - Peak detector

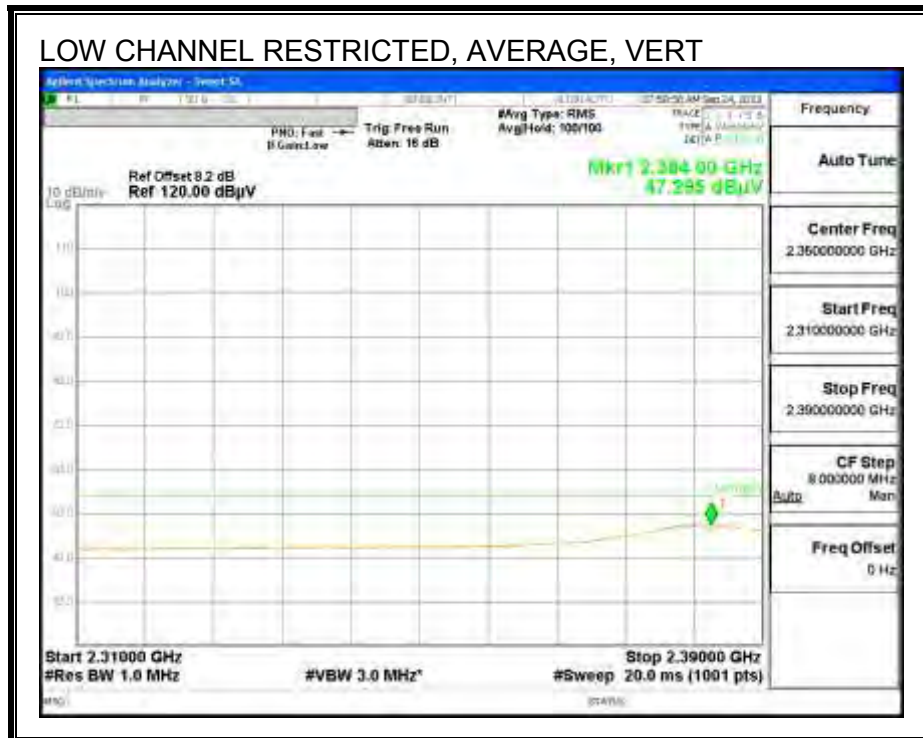
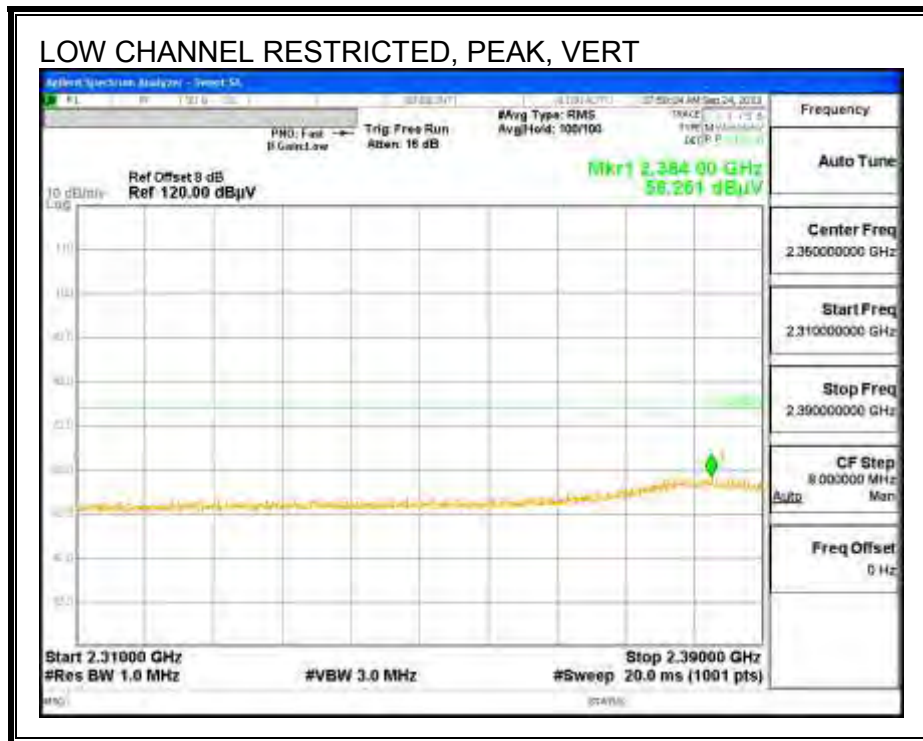
Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/Cbl /3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.359	45.51	MAv1	29	-26.8	47.71	53.97	-6.26	-	-	100	V
1.595	43.98	MAv1	29.4	-26.6	46.78	53.97	-7.19	-	-	200	V
2.381	39.11	MAv1	32.6	-25.0	46.71	53.97	-7.26	-	-	100	H
4.982	36.01	MAv1	34.4	-30.9	39.51	53.97	-14.46	-	-	126	H
4.997	36.82	MAv1	34.4	-31	40.22	53.97	-13.75	-	-	101	V
7.385	36.18	MAv1	36.1	-27.6	44.68	53.97	-9.29	-	-	133	H
7.385	33.45	MAv1	36.1	-27.6	41.95	53.97	-12.02	-	-	266	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average

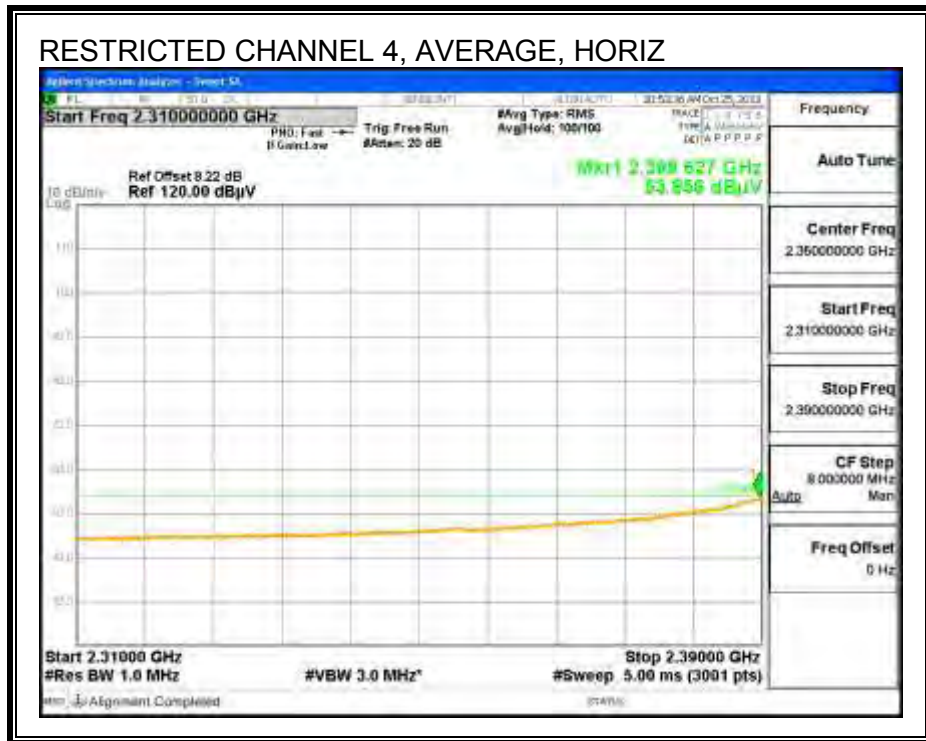
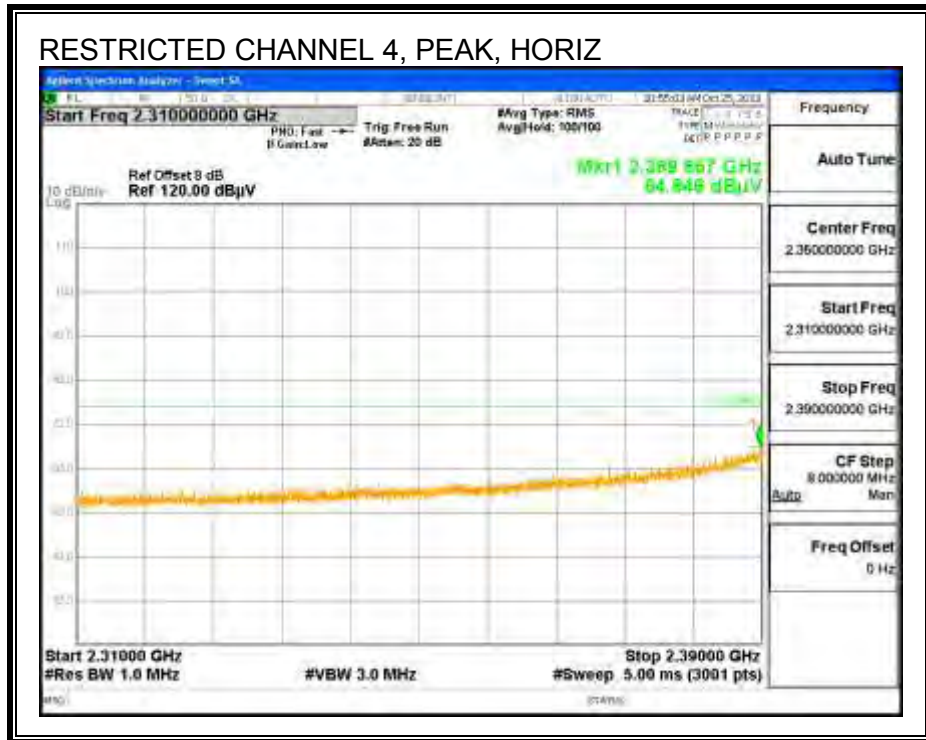
### 9.2.2. TX ABOVE 1 GHz 802.11g SISO MODE IN THE 2.4 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

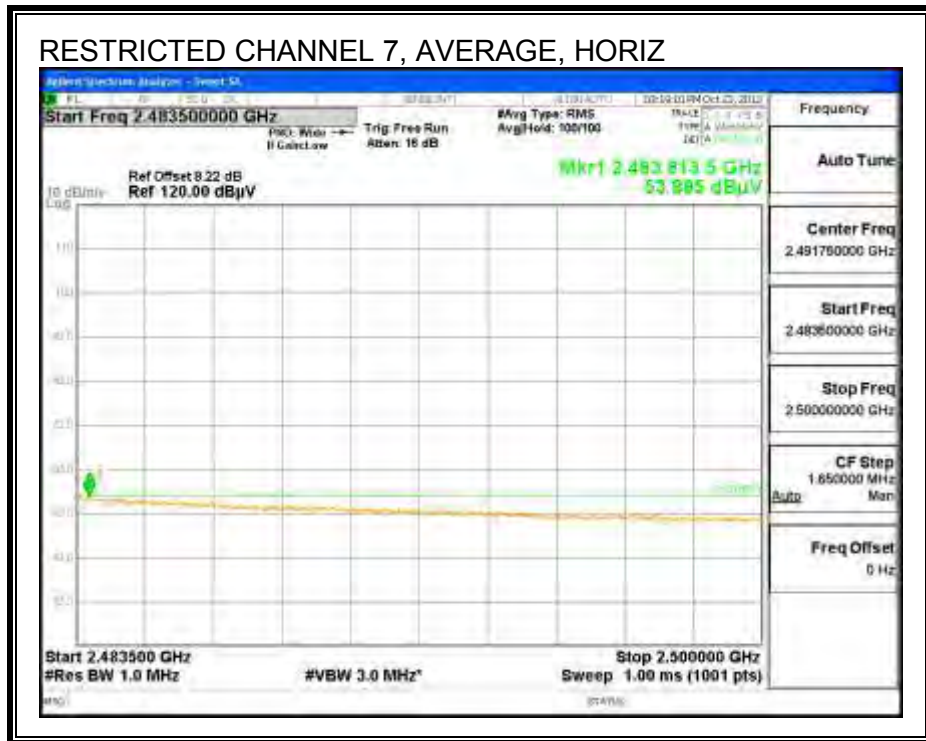
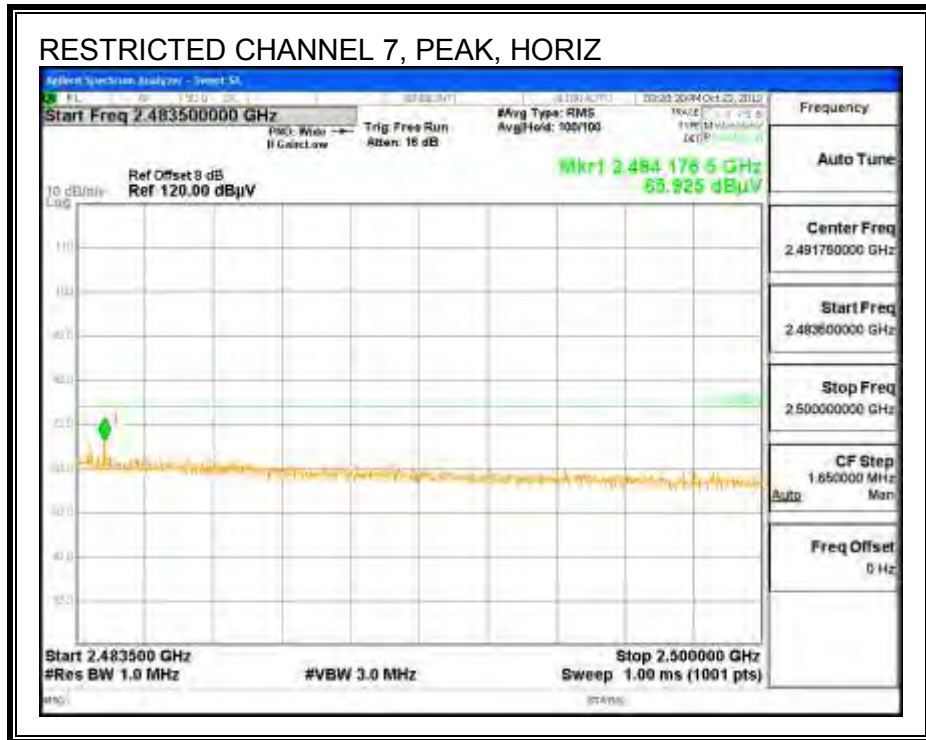




**RESTRICTED BANDEDGE (CHANNEL 4)**

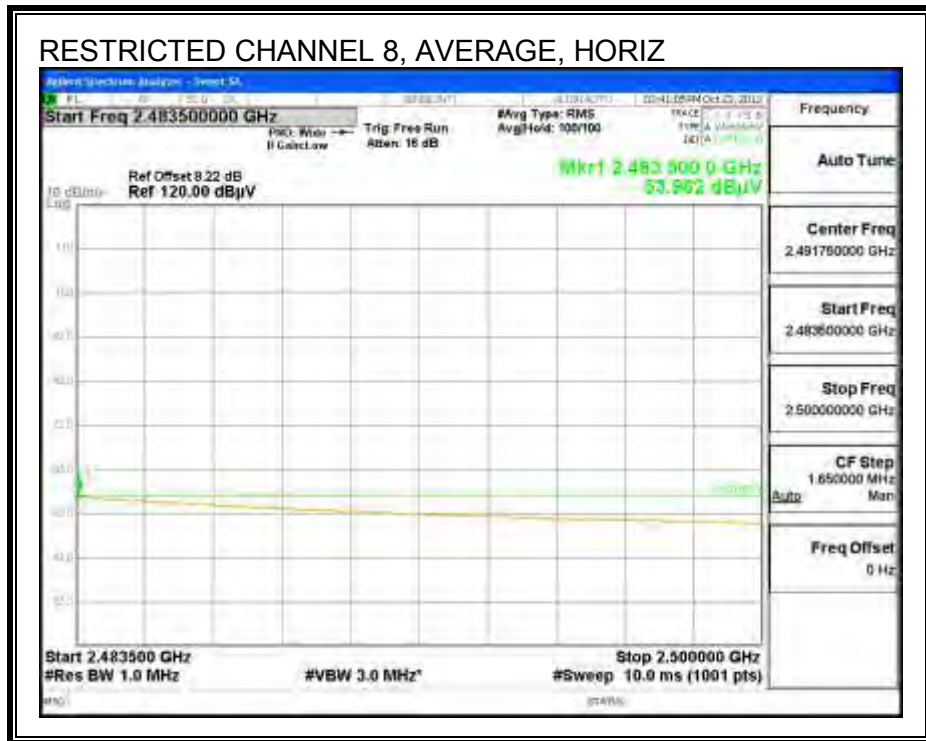
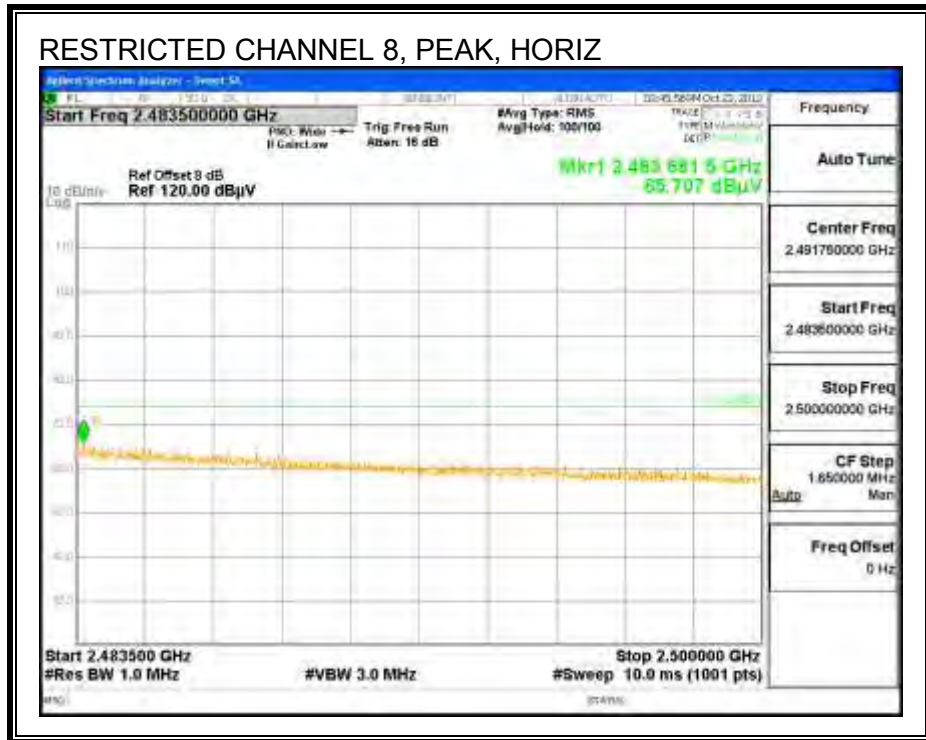


**RESTRICTED BANDEDGE (CHANNEL 7)**

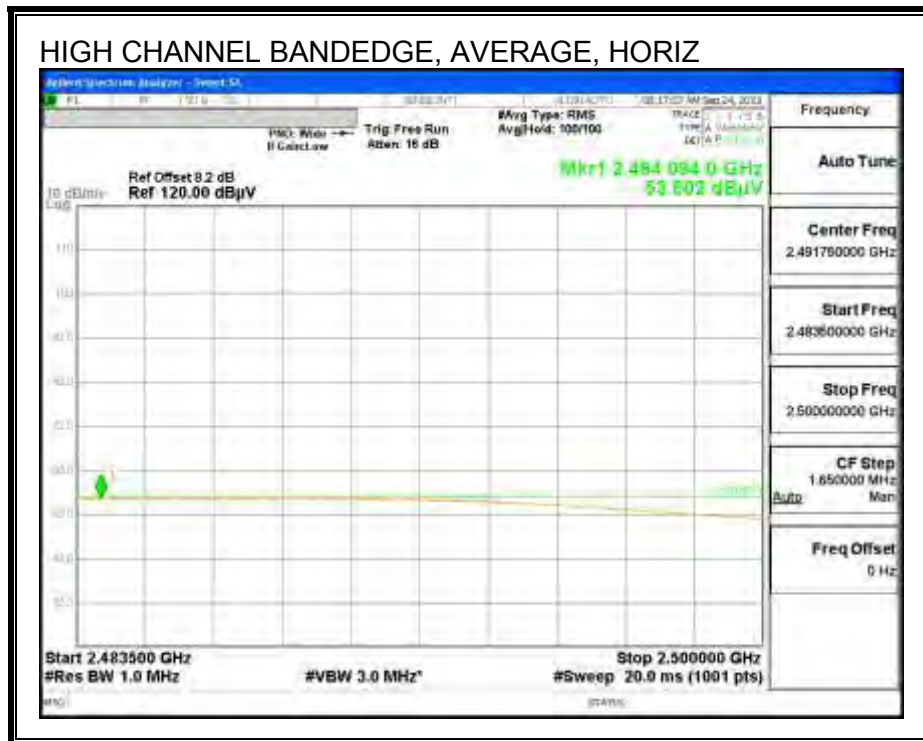
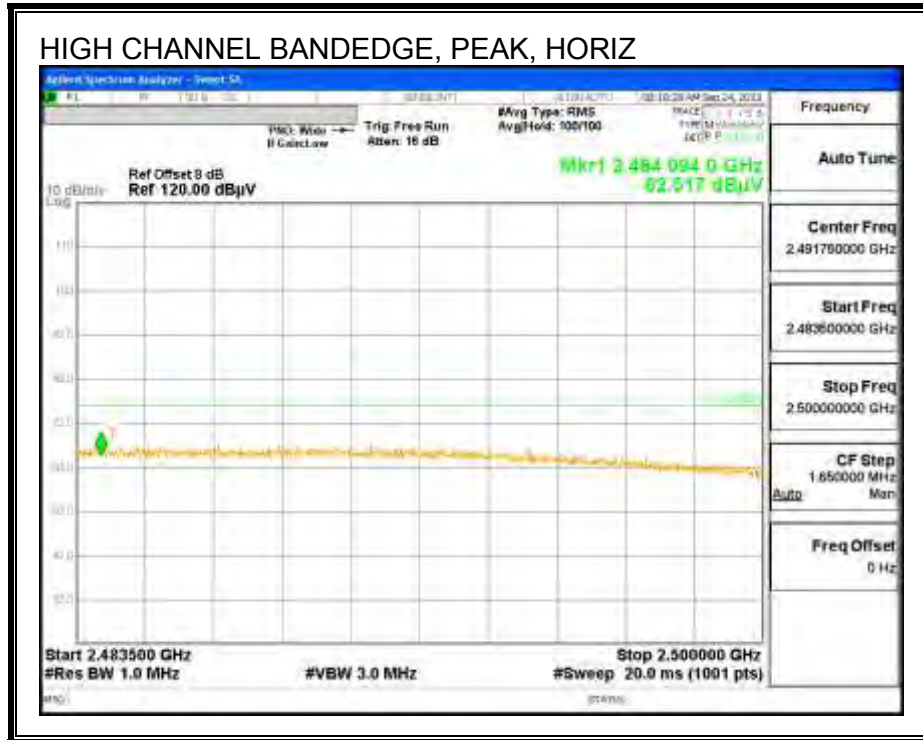


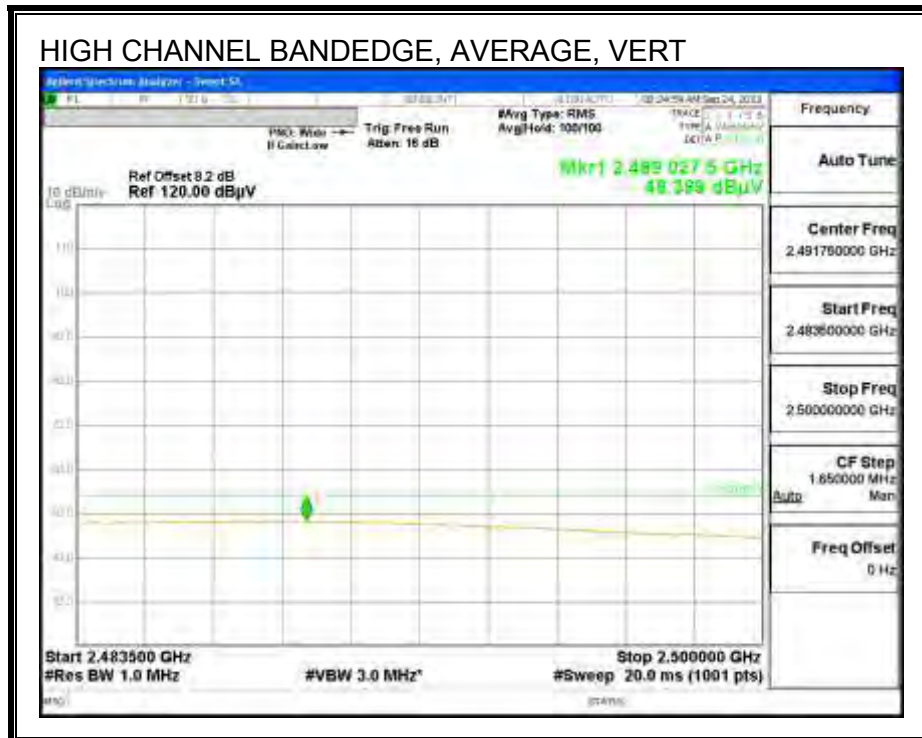
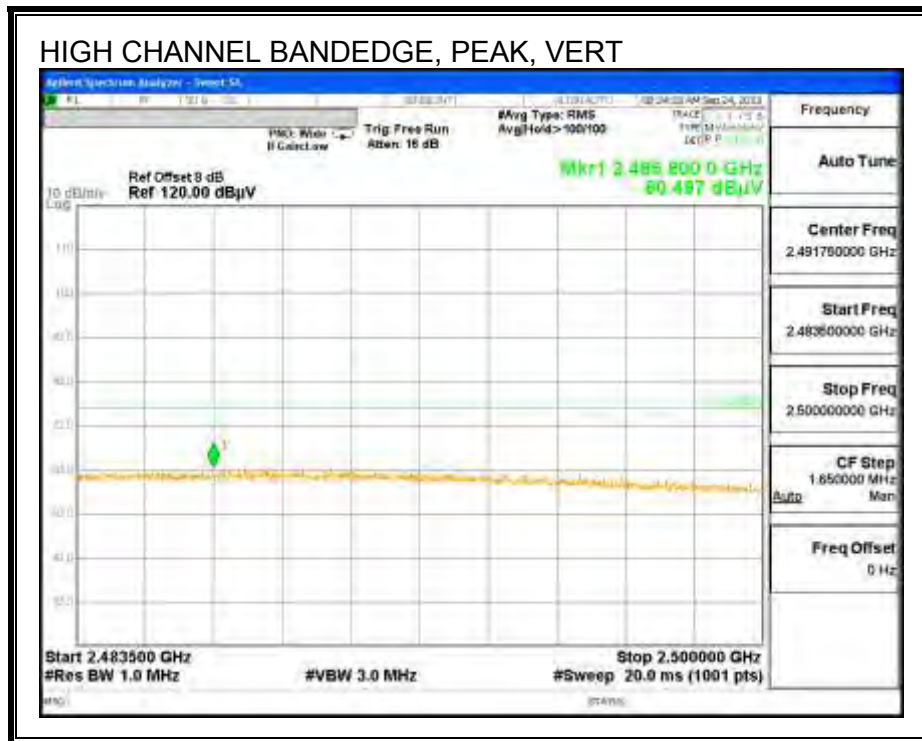


**RESTRICTED BANDEDGE (CHANNEL 8)**

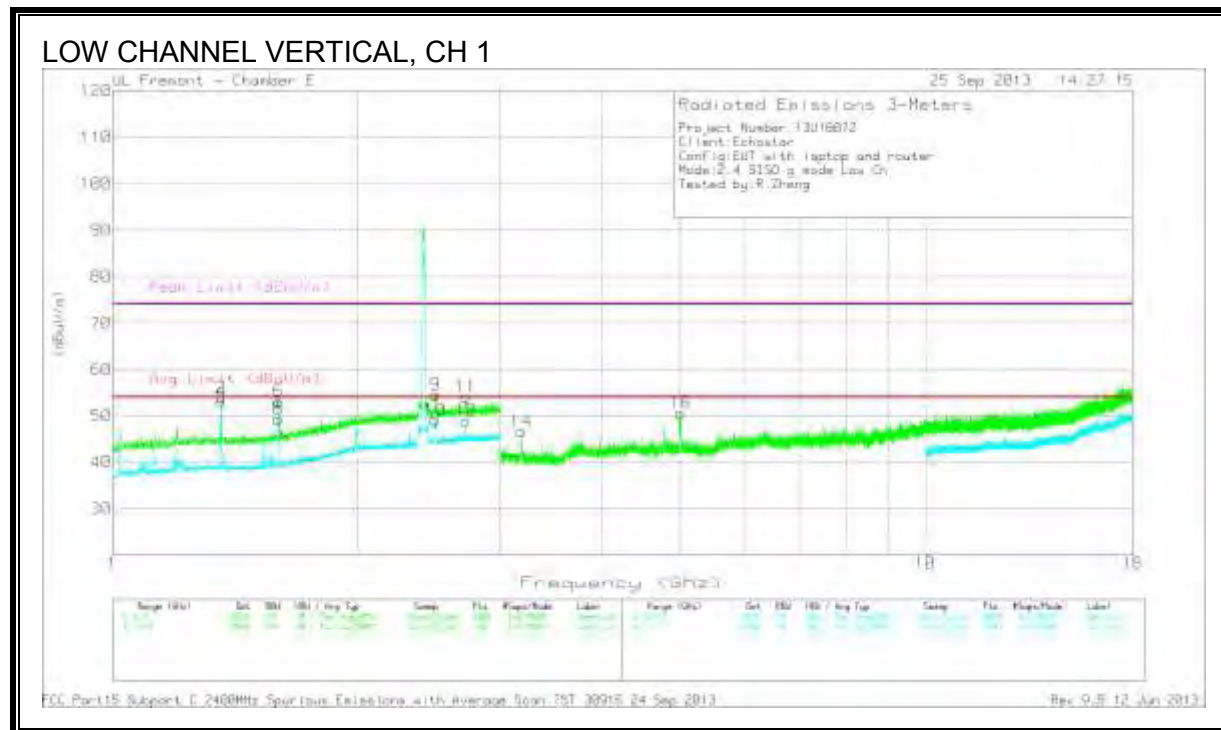
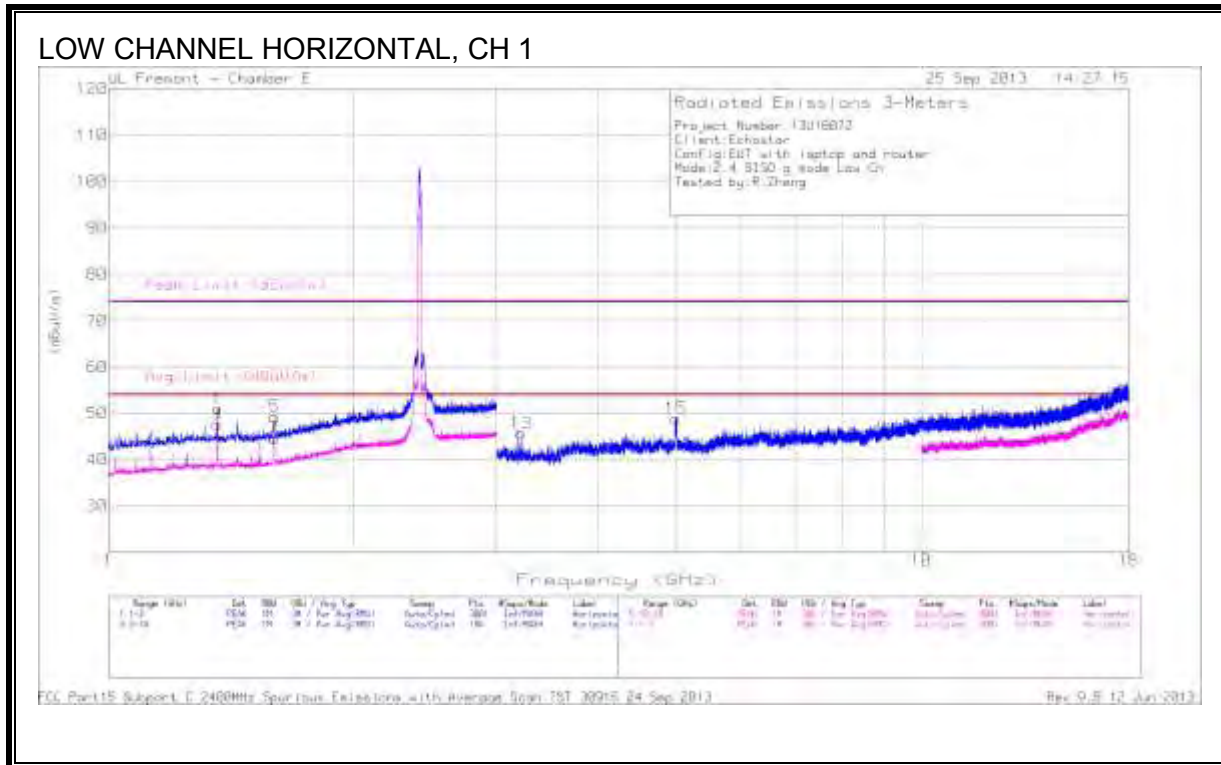


**AUTHORIZED BANDEDGE (HIGH CHANNEL)**





**HARMONICS AND SPURIOUS EMISSIONS**



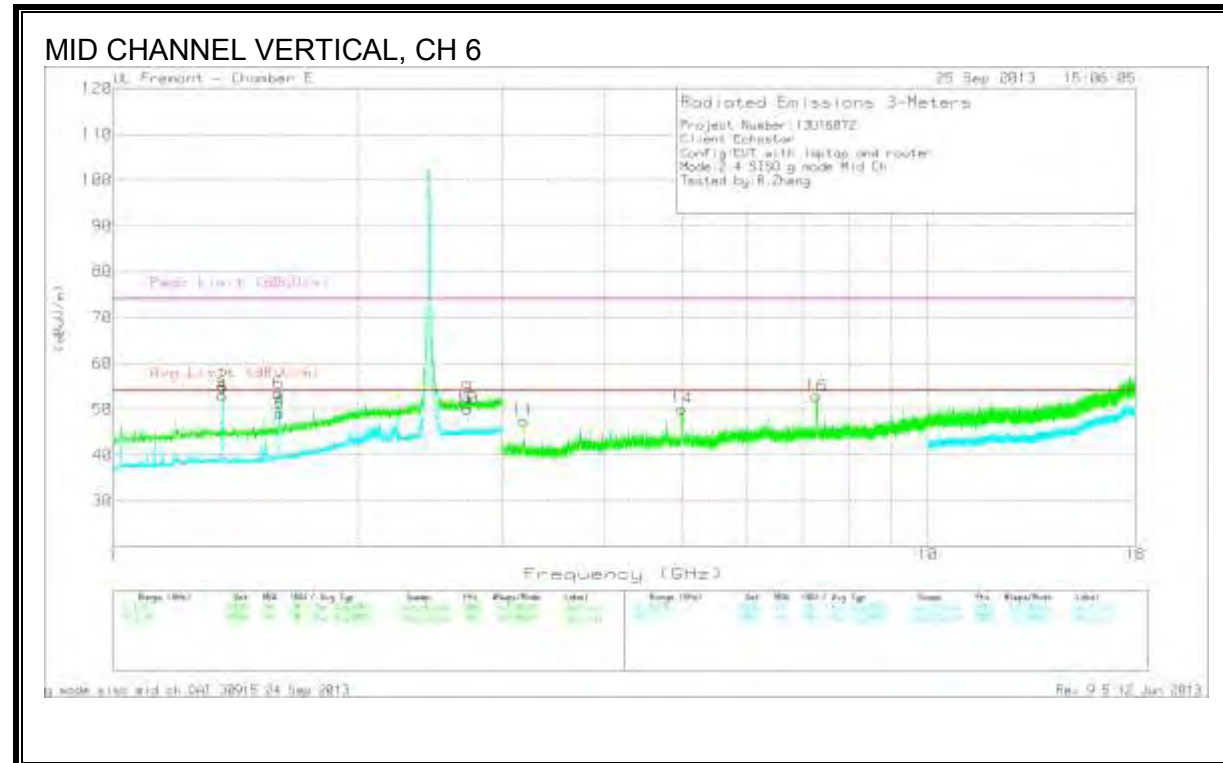
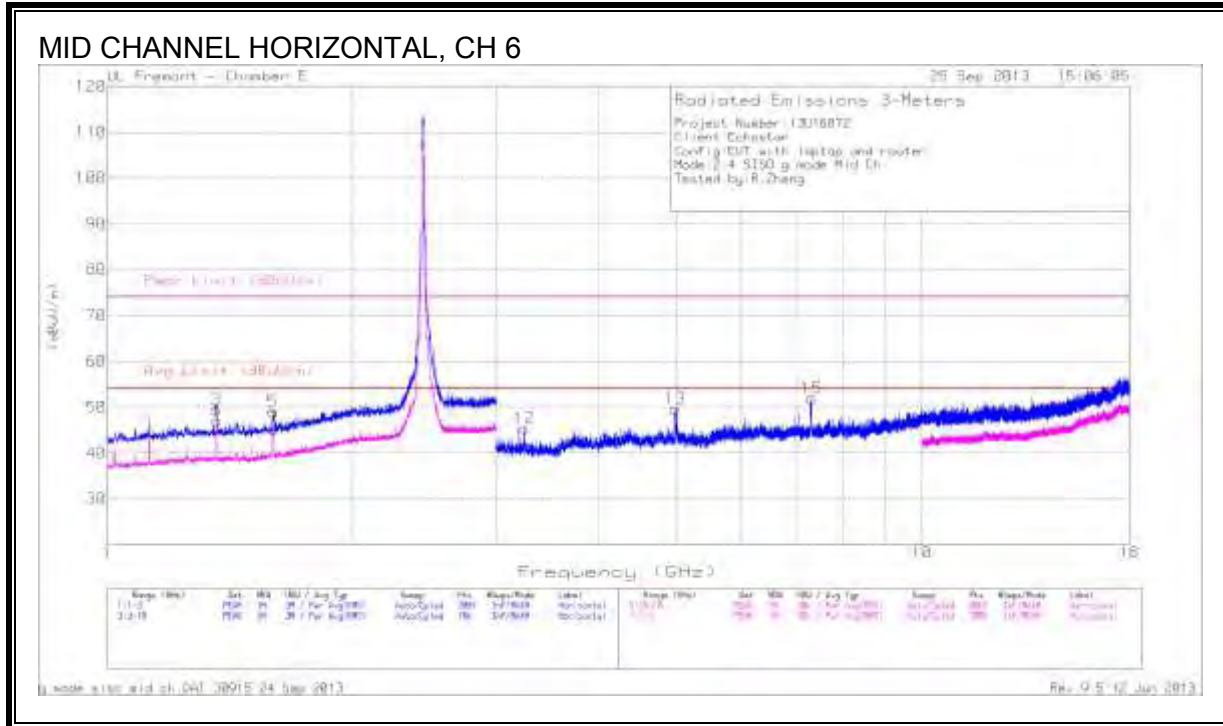
**DATA**

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)	Height (cm)	Polarity
1	1.361	48.76	PK	29	-26.8	50.96	-	-	74	-23.04	199	H
2	1.361	51.66	PK	29	-26.8	53.86	-	-	74	-20.14	100	V
3	1.360	45.49	PK (VB)	29	-26.8	47.69	53.97	-6.28	-	-	199	H
4	1.36	50.72	PK (VB)	29	-26.8	52.92	53.97	-1.05	-	-	100	V
5	1.6	46.6	PK	29.5	-26.5	49.3	-	-	74	-25.7	199	H
6	1.601	50.2	PK	29.5	-26.5	53.2	-	-	74	-20.8	200	V
7	1.599	41.57	PK (VB)	29.5	-26.5	44.57	53.97	-9.40	-	-	199	H
8	1.599	43.94	PK (VB)	29.5	-26.5	46.94	53.97	-6.03	-	-	100	V
9	2.497	46.27	PK	32.7	-24.4	54.57	-	-	74	-19.43	100	V
10	1.36	50.72	PK (VB)	29	-26.8	52.92	53.97	-1.05	-	-	100	V
11	2.722	45.1	PK	33.1	-24.2	54	-	-	74	-20	100	V
12	2.72	39.03	PK (VB)	33.1	-24.2	47.93	53.97	-6.04	-	-	100	V
13	3.217	44.54	PK	33.4	-32.3	45.64	53.97	-8.33	74	-28.36	199	H
15	4.989	45.39	PK	34.4	-30.9	48.89	53.97	-5.08	74	-25.11	100	H
14	3.185	45.43	PK	33.3	-32.1	46.63	53.97	-7.34	74	-27.37	100	V
16	4.997	47.23	PK	34.4	-30.9	50.73	53.97	-3.24	74	-23.27	100	V

PK - Peak detector

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)	Height (cm)	Polarity
1.36	47.73	MAv1	29	-26.8	49.93	53.97	-4.04	-	-	100	V
4.996	35.68	MAv1	34.4	-31.0	39.08	53.97	-14.89	-	-	127	H
5.001	32.05	MAv1	34.4	-30.9	35.55	53.97	-18.42	-	-	316	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average



**DATA**

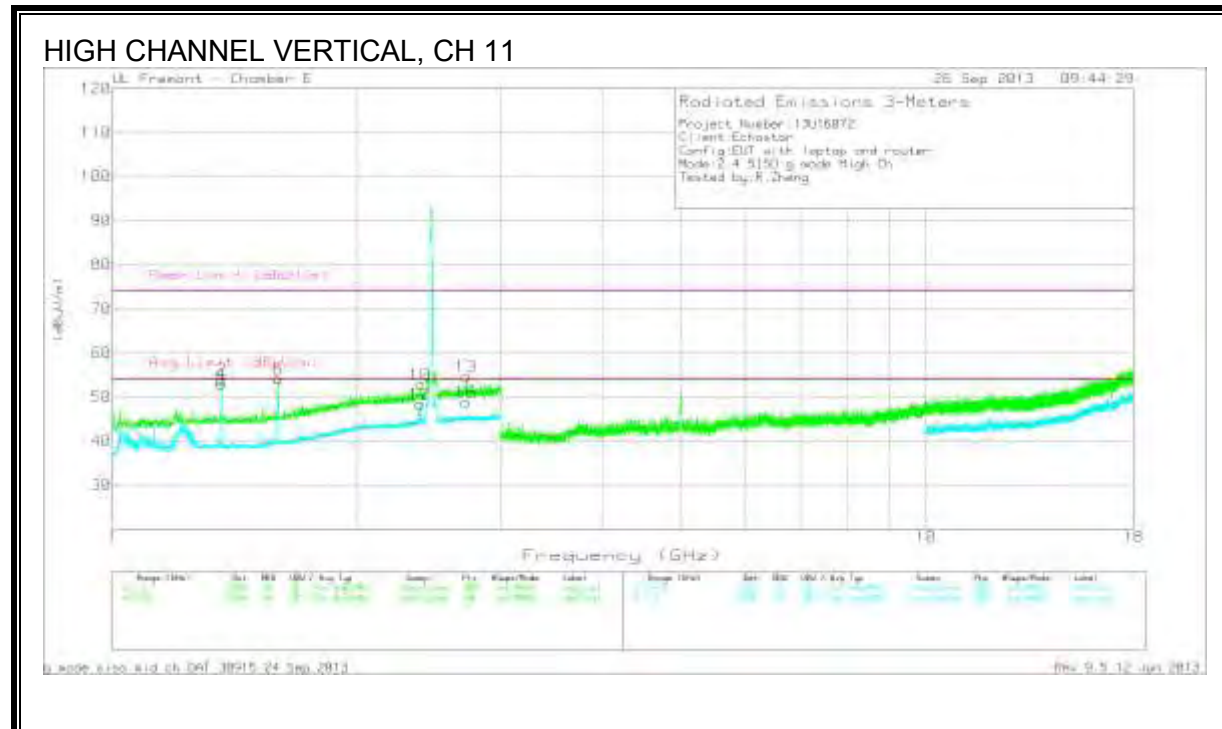
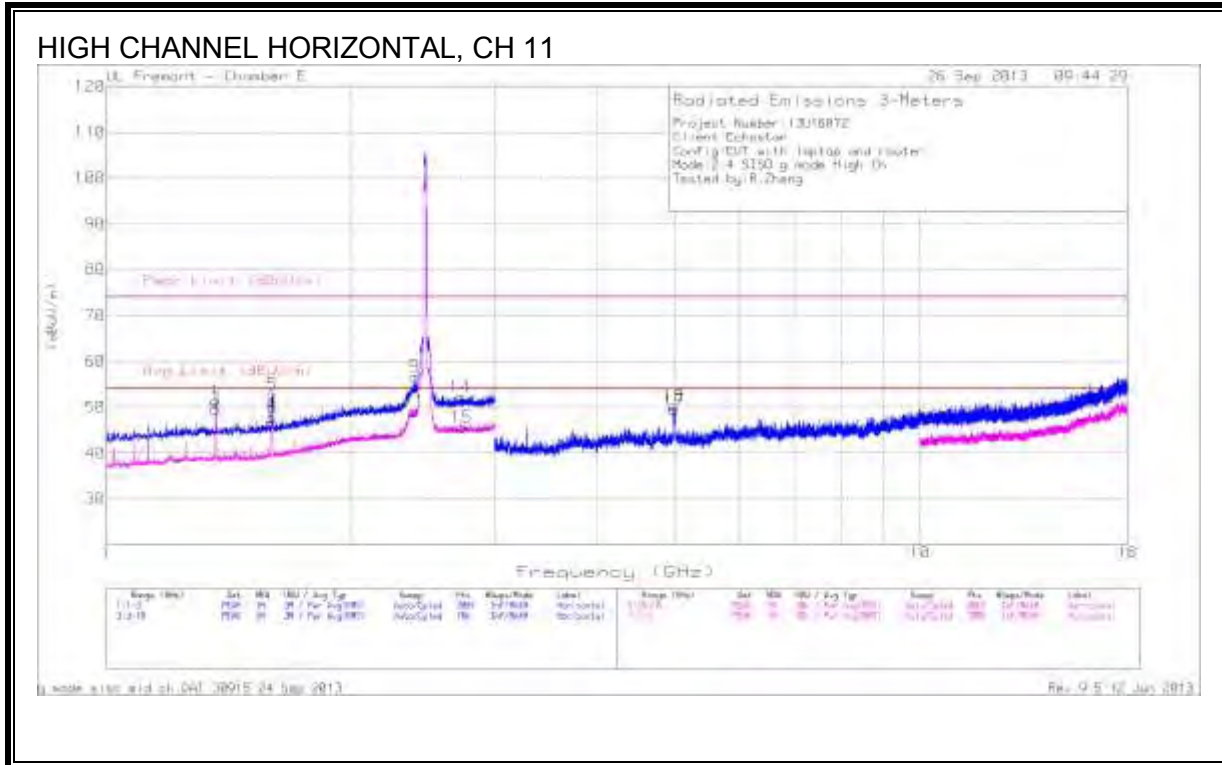
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/10dB Pad	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.363	44.76	PK	29	-26.8	46.96	-	-	74	-27.04	199	H
2	1.361	52.7	PK	29	-26.8	54.9	-	-	74	-19.1	100	V
3	1.36	44.73	PK (VB)	29	-26.8	43.93	53.97	-6.04	-	-	199	H
4	1.36	50.75	PK (VB)	29	-26.8	52.95	53.97	-1.02	-	-	101	V
5	1.598	46.05	PK	29.5	-26.5	49.05	-	-	74	-24.95	199	H
6	1.595	49.73	PK	29.4	-26.6	52.53	-	-	74	-21.47	199	V
7	1.599	42.17	PK (VB)	29.5	-26.5	45.17	53.97	-8.80	-	-	199	H
8	1.599	43.88	PK (VB)	29.5	-26.5	46.88	53.97	-6.09	-	-	199	V
9	2.721	43.54	PK	33.1	-24.2	52.44	-	-	74	-21.56	100	V
10	2.72	41.13	PK (VB)	33.1	-24.2	50.03	53.97	-3.94	-	-	101	V
11	3.185	46.31	PK	33.3	-32.1	47.51	53.97	-6.46	74	-26.49	100	V
12	3.25	44.19	PK	33.4	-32.2	45.39	53.97	-8.58	74	-28.61	100	H
13	4.977	46.16	PK	34.4	-30.9	49.66	53.97	-4.31	74	-24.34	100	H
14	4.991	46.68	PK	34.4	-30.9	50.18	53.97	-3.79	74	-23.82	100	V
15	7.319	44.13	PK	36	-28.2	51.93	53.97	-2.04	74	-22.07	100	H
16	7.301	45.17	PK	36	-28.3	52.87	53.97	-1.10	74	-21.13	199	V

PK - Peak detector

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)	Height (cm)	Polarity
1.36	47.65	MAv1	29	-26.8	49.85	53.97	-4.12	-	-	101	V
2.72	39.10	MAv1	33.1	-24.2	48.00	53.97	-5.97	-	-	101	V
4.989	37.04	MAv1	34.4	-30.9	40.54	53.97	-13.43	-	-	260	V
4.992	34.91	MAv1	34.4	-31	38.31	53.97	-15.66	-	-	137	H
7.311	36.98	MAv1	36	-28.2	44.78	53.97	-9.19	-	-	199	V
7.312	35.85	MAv1	36	-28.2	43.65	53.97	-10.32	-	-	206	H

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average





**DATA**

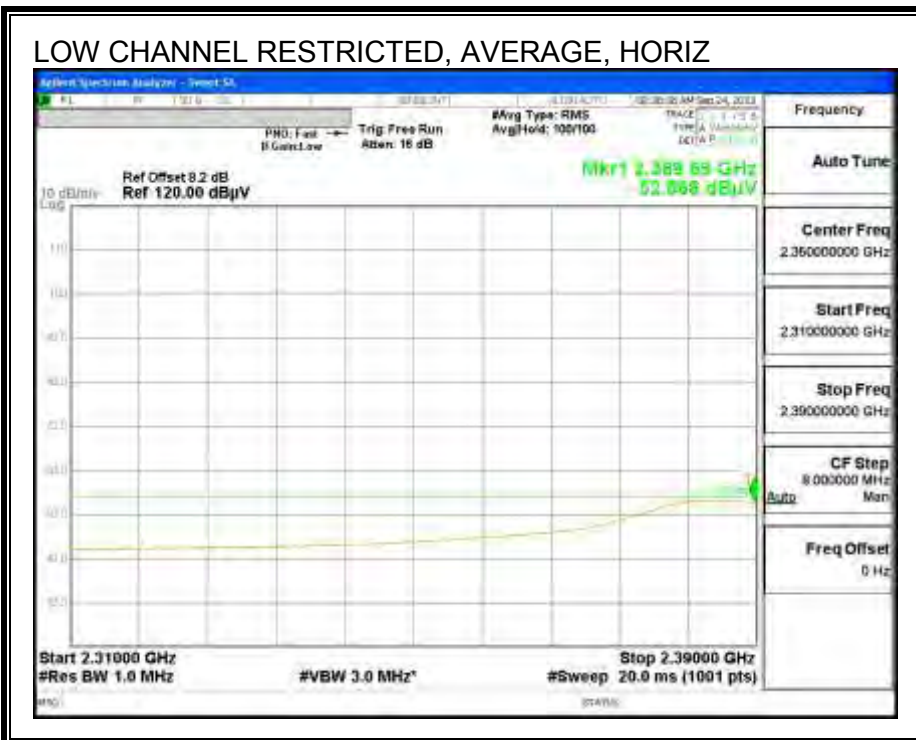
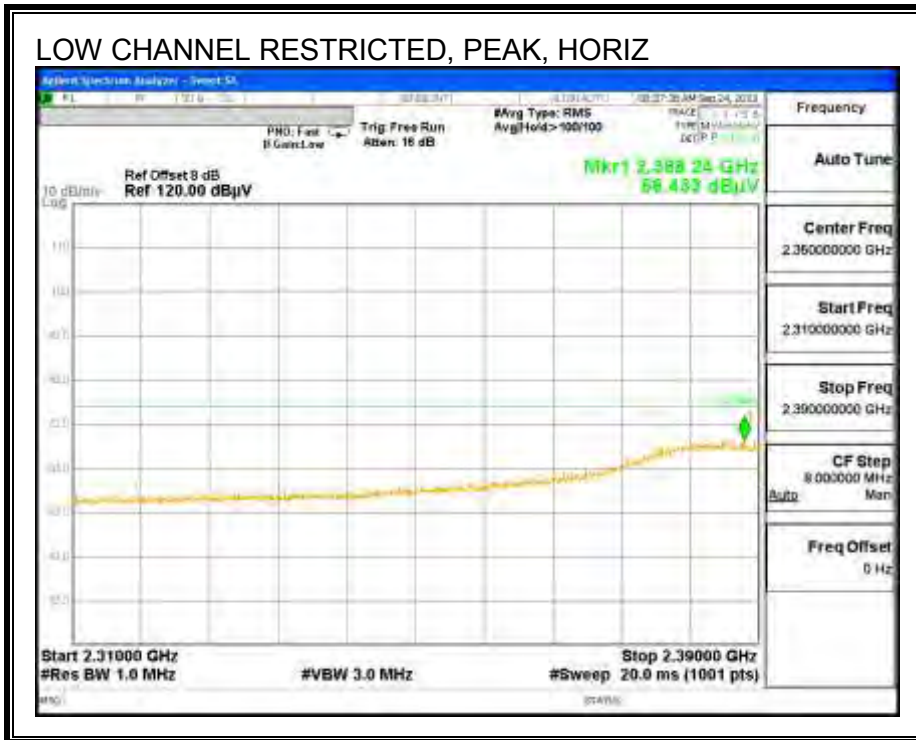
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/Cbl /10dB Pad	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.361	49.01	PK	29	-26.8	51.21	-	-	74	-22.79	199	H
2	1.361	51.74	PK	29	-26.8	53.94	-	-	74	-20.06	101	V
3	1.36	45.73	PK (VB)	29	-26.8	47.93	53.97	-6.04	-	-	199	H
4	1.36	50.73	PK (VB)	29	-26.8	52.93	53.97	-1.04	-	-	100	V
5	1.599	49.78	PK	29.5	-26.5	52.78	-	-	74	-21.22	199	H
6	1.599	51.14	PK	29.5	-26.5	54.14	-	-	74	-19.86	101	V
7	1.596	43.66	PK (VB)	29.5	-26.6	46.56	53.97	-7.41	-	-	199	H
8	1.599	44.74	PK (VB)	29.5	-26.5	47.74	53.97	-6.23	-	-	199	V
9	2.393	48.91	PK	32.6	-24.8	56.71	-	-	74	-17.29	100	H
10	2.39	45.11	PK	32.6	-24.9	52.81	-	-	74	-21.19	199	V
11	2.388	41.35	PK (VB)	32.6	-24.9	49.05	53.97	-4.92	-	-	100	H
12	2.389	40.19	PK (VB)	32.6	-24.9	47.89	53.97	-6.08	-	-	199	V
13	2.721	45.71	PK	33.1	-24.2	54.61	-	-	74	-19.39	101	V
14	2.722	43.3	PK	33.1	-24.2	52.2	--	-	74	-21.8	199	H
15	2.731	36.69	PK (VB)	33.2	-24.3	45.59	53.97	-8.38	-	-	100	H
16	2.72	39.01	PK (VB)	33.1	-24.2	47.91	53.97	-6.06	-	-	199	V
17	4.987	45.91	PK	34.4	-30.9	49.41	53.97	-4.56	74	-24.59	199	H
18	4.98	46.77	PK	34.4	-30.9	50.27	53.97	-3.7	74	-23.73	199	V

PK – Peak detector

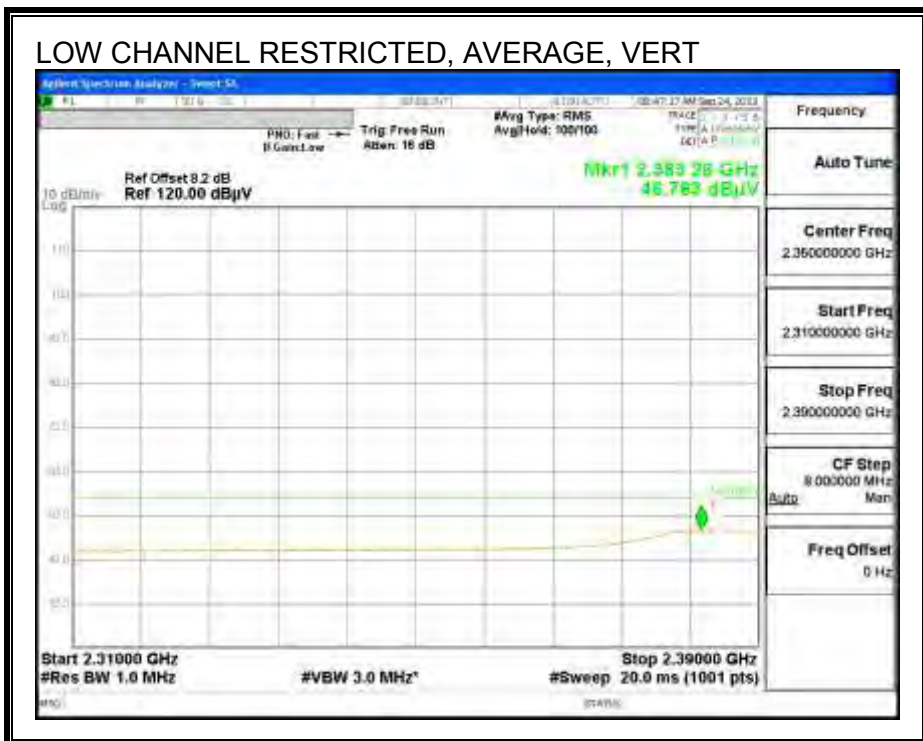
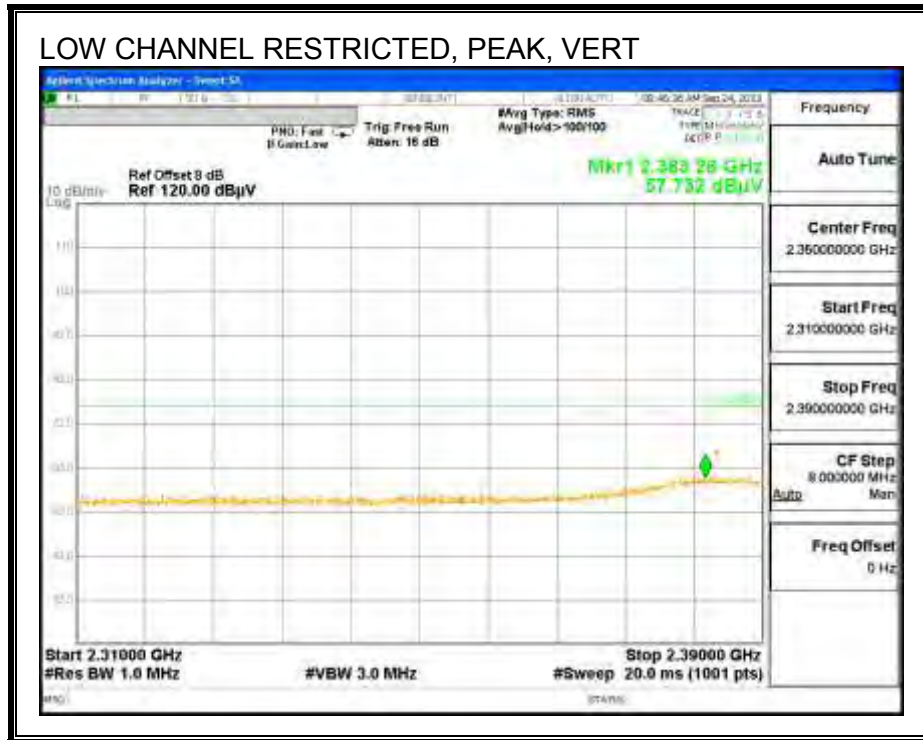
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.36	47.71	Mav1	29	-26.8	49.91	53.97	-4.02	-	-	100	V
2.388	39.37	Mav1	32.6	-24.9	47.07	53.97	-6.90	-	-	100	H
4.986	35.46	Mav1	34.4	-30.9	38.96	53.97	-15.01	-	-	246	H
-4.988	35.53	MAv1	34.4	-30.9	39.03	53.97	-14.94	-	-	239	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average

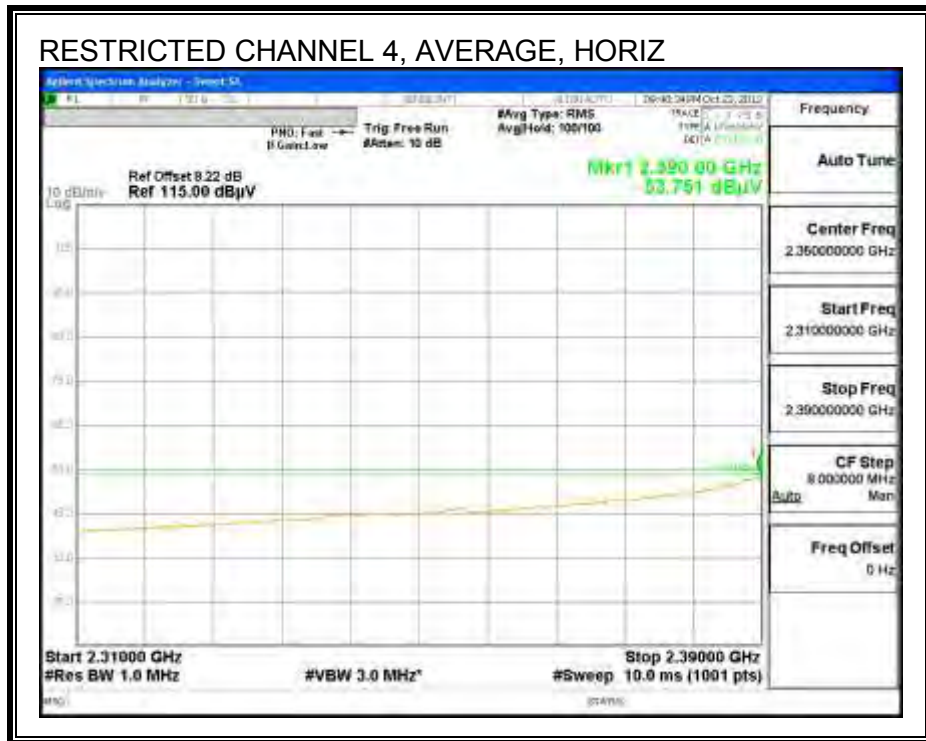
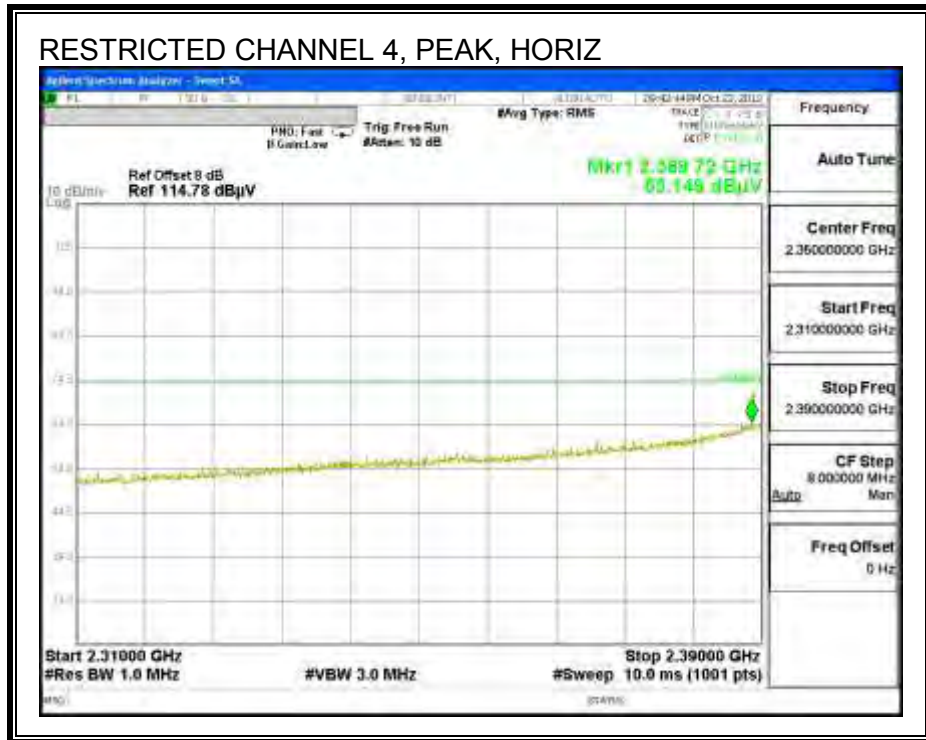
### 9.2.3. TX ABOVE 1 GHz 802.11g 2TX CDD MODE IN THE 2.4 GHz BAND



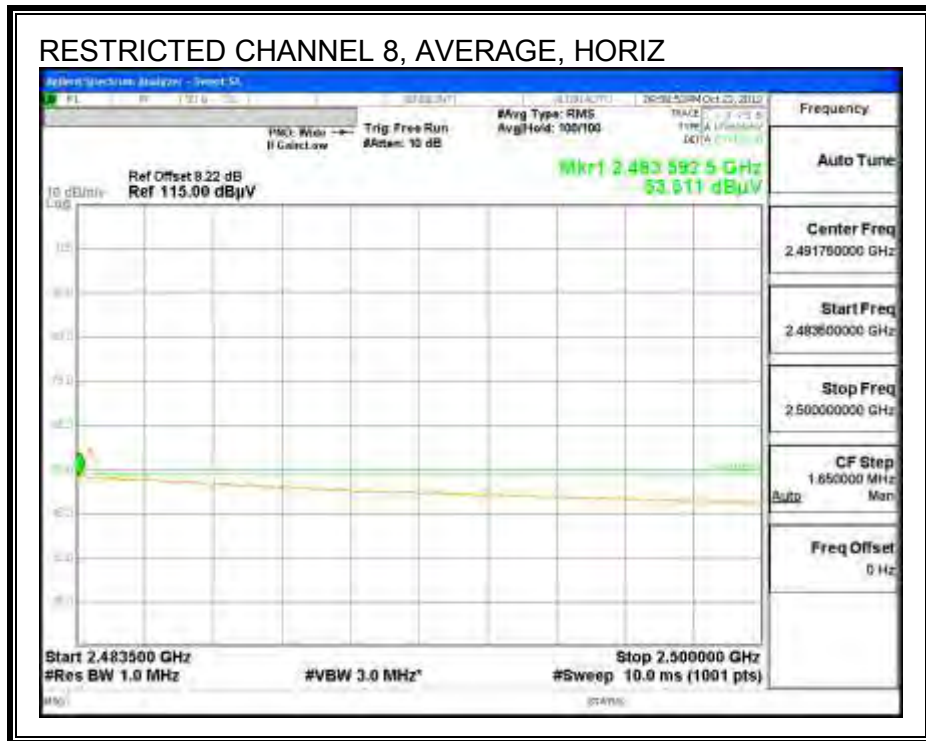
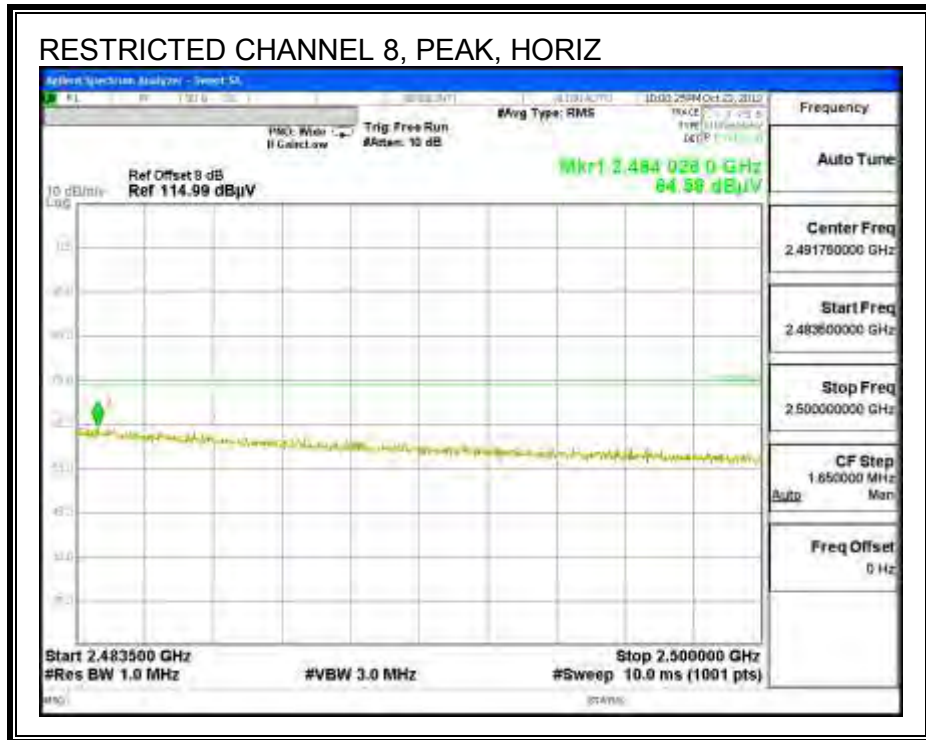
**RESTRICTED BANDEDGE (LOW CHANNEL)**



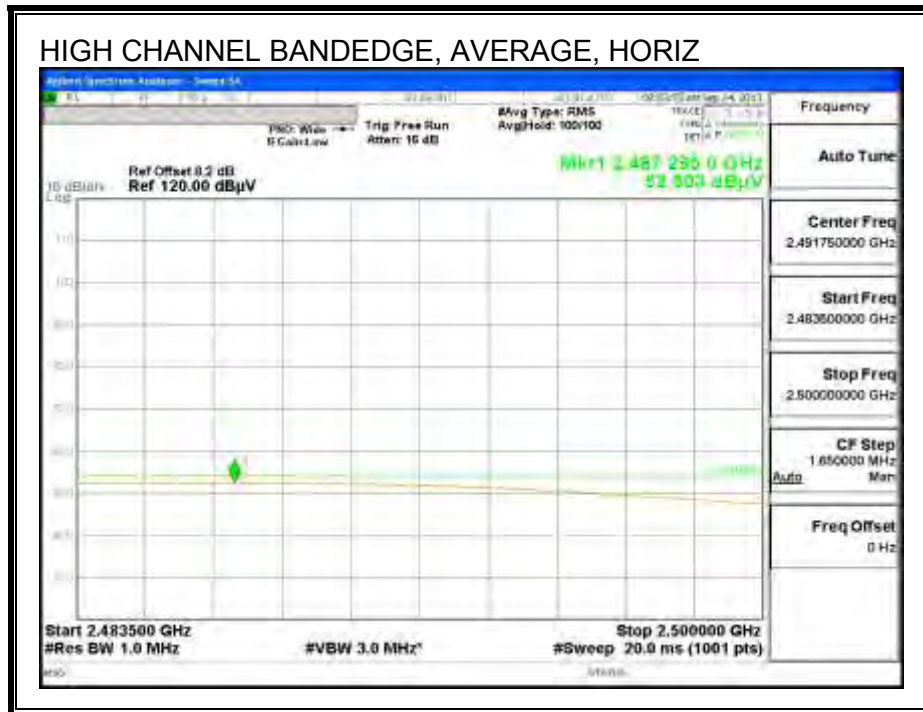
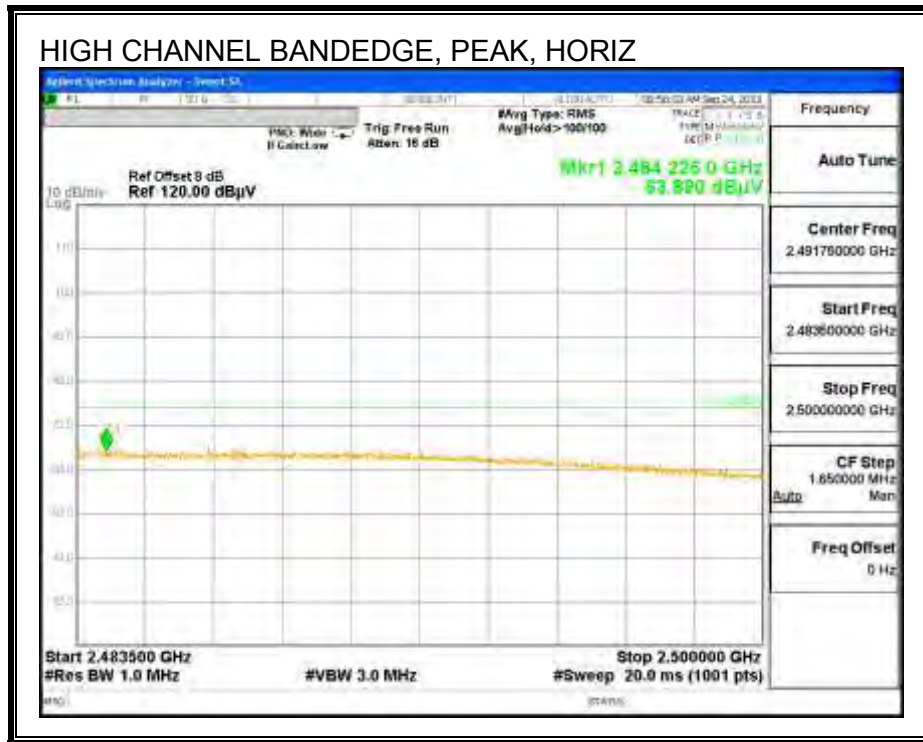
**RESTRICTED BANDEDGE (CHANNEL 4)**



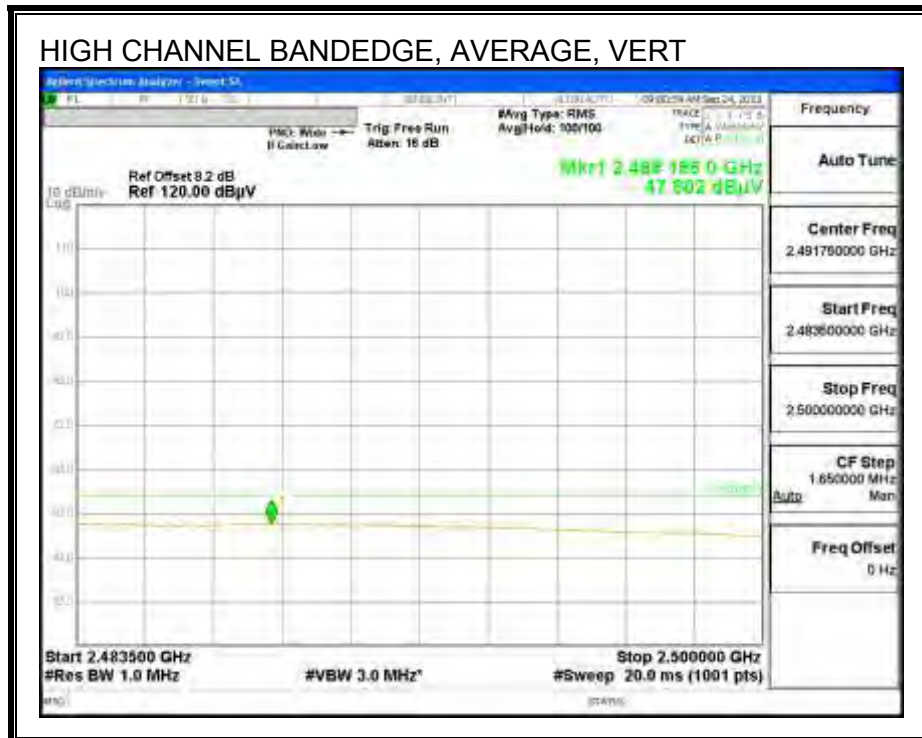
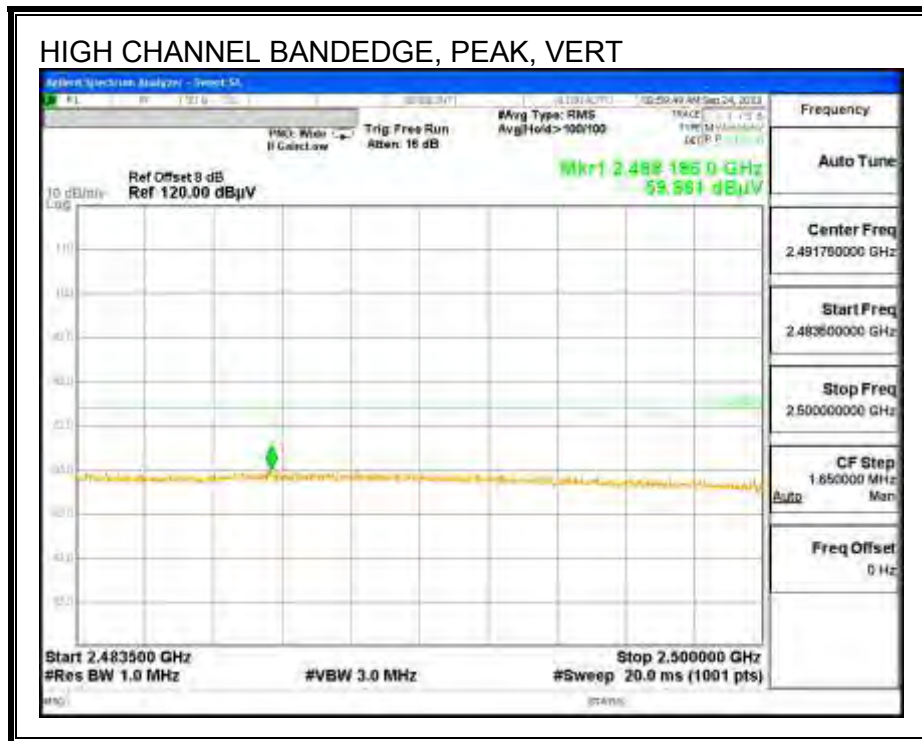
**RESTRICTED BANDEDGE (CHANNEL 8)**



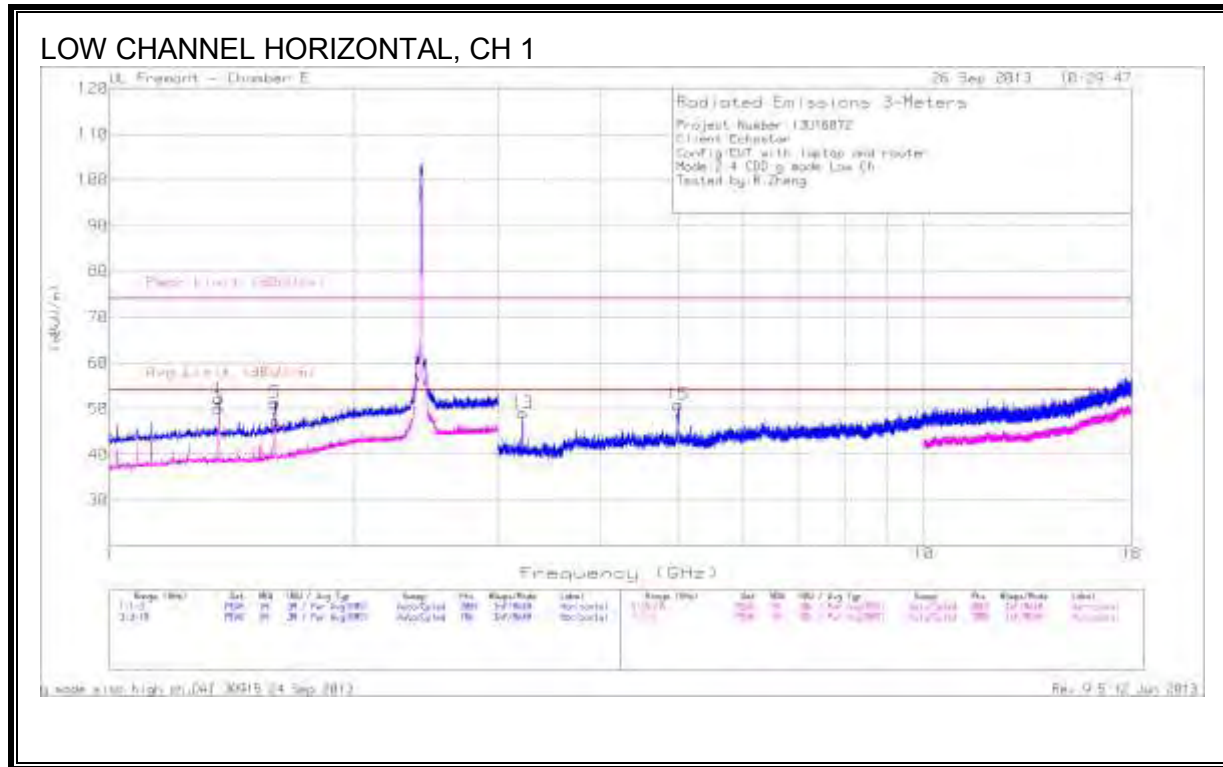
**AUTHORIZED BANDEDGE (HIGH CHANNEL)**







**HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

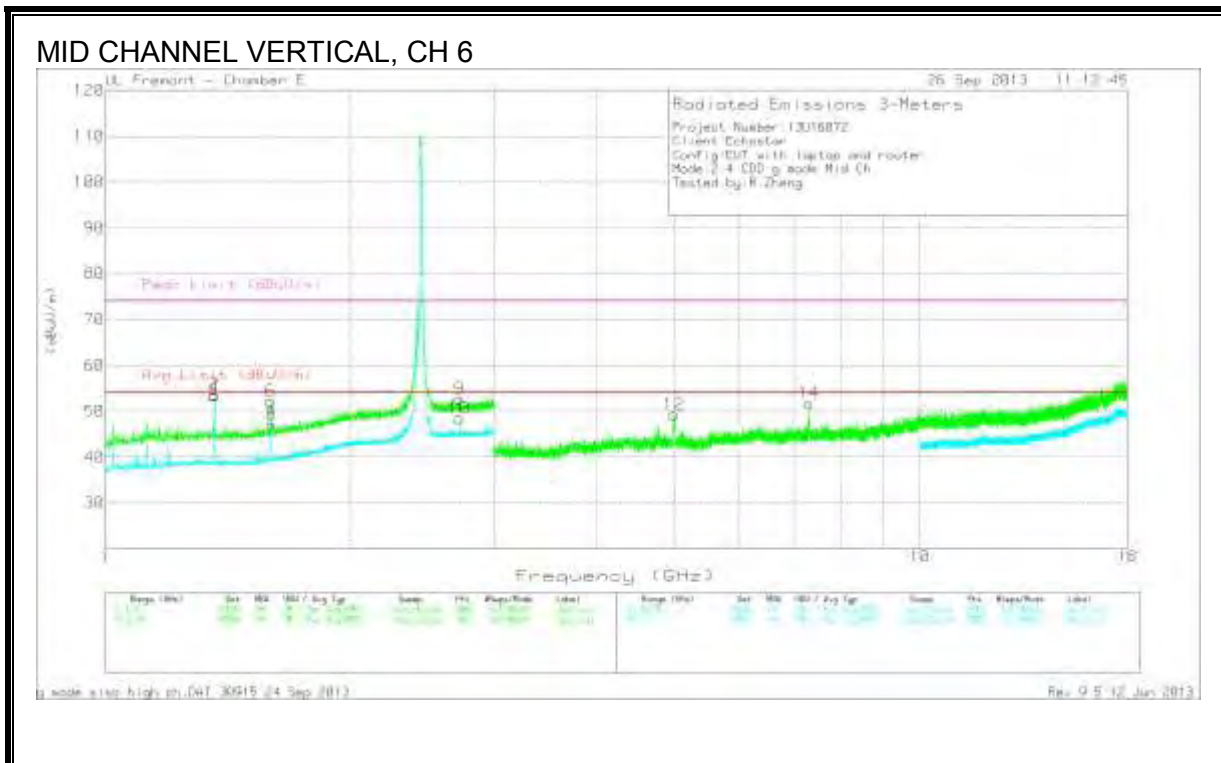
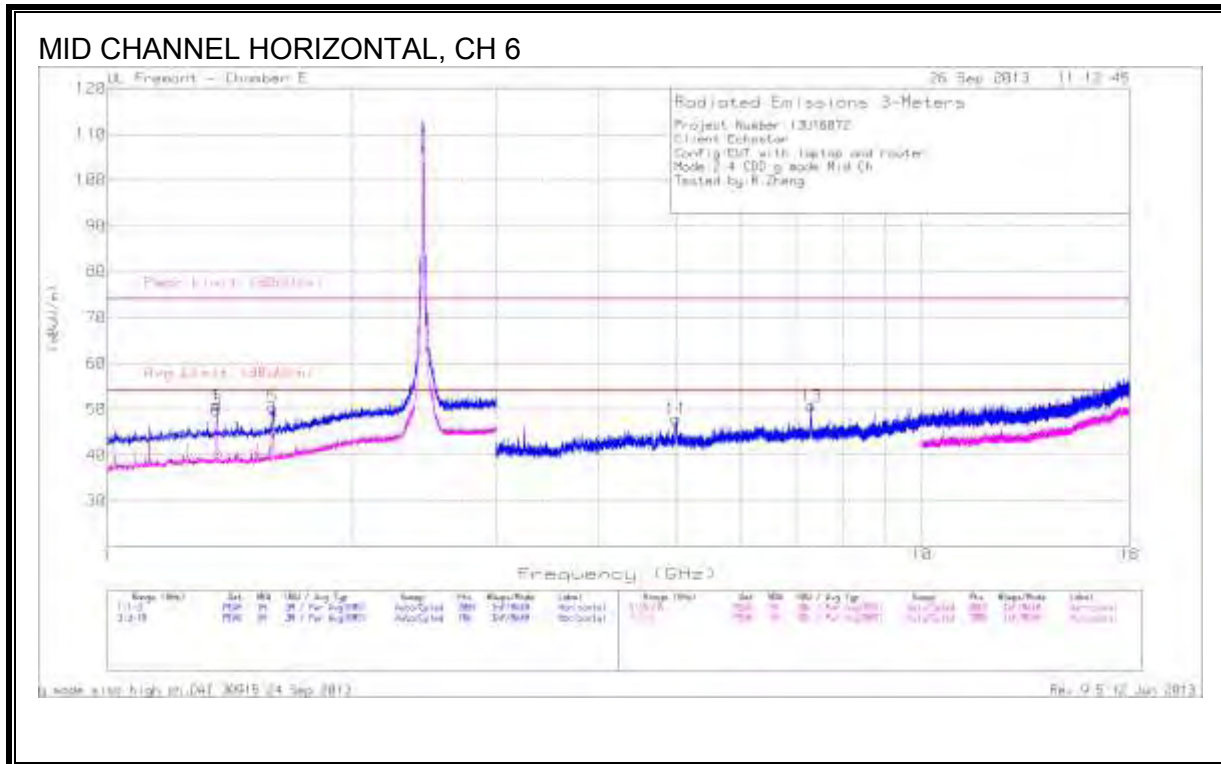
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /10dB Pad	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.361	49.78	PK	29	-26.8	51.98	-	-	74	-22.02	199	H
2	1.361	52.23	PK	29	-26.8	54.43	-	-	74	-19.57	200	V
3	1.360	47.97	PK (VB)	29	-26.8	50.17	53.97	-3.80	-	-	199	H
4	1.360	50.67	PK (VB)	29	-26.8	52.87	53.97	-1.10	-	-	199	V
5	1.597	48.48	PK	29.5	-26.6	51.38	-	-	74	-22.62	199	H
6	1.599	51.62	PK	29.5	-26.5	54.62	-	-	74	-19.38	100	V
7	1.599	44.32	PK (VB)	29.5	-26.5	47.32	53.97	-6.65	-	-	199	H
8	1.599	47.19	PK (VB)	29.5	-26.5	50.19	53.97	-3.78	-	-	100	V
9	2.721	43.93	PK	33.1	-24.2	52.83	-	-	74	-21.17	200	V
10	2.72	39.05	PK (VB)	33.1	-24.2	47.95	53.97	-6.02	-	-	199	V
11	2.497	45.93	PK	32.7	-24.4	54.23	-	-	74	-19.77	200	V
12	2.499	39.64	PK (VB)	32.7	-24.4	47.94	53.97	-6.03	-	-	199	V
13	*3.217	47.96	PK	33.4	-32.3	49.06	-	-	-	-	199	H
15	4.994	47.57	PK	34.4	-31	50.97	53.97	-3.00	74	-23.03	199	H
14	*3.217	44.30	PK	33.4	-32.3	45.4	-	-	-	-	199	V
16	4.997	45.89	PK	34.4	-30.9	49.39	53.97	-4.58	74	-24.61	100	V

PK - Peak detector

\*Not in Restricted Bands

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)	Height (cm)	Polarity
1.360	44.97	MAv1	29	-26.8	47.17	53.97	-6.80	-	-	199	H
1.360	47.66	MAv1	29	-26.8	49.86	53.97	-4.11	-	-	199	V
1.599	44.27	MAv1	29.5	-26.5	47.27	53.97	-6.70	-	-	100	V
4.995	31.96	MAv1	34.4	-31	35.36	53.97	-18.61	74	-	-	V
4.998	37.86	MAv1	34.4	-30.9	41.36	53.97	-12.61	74	-	-	H

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average



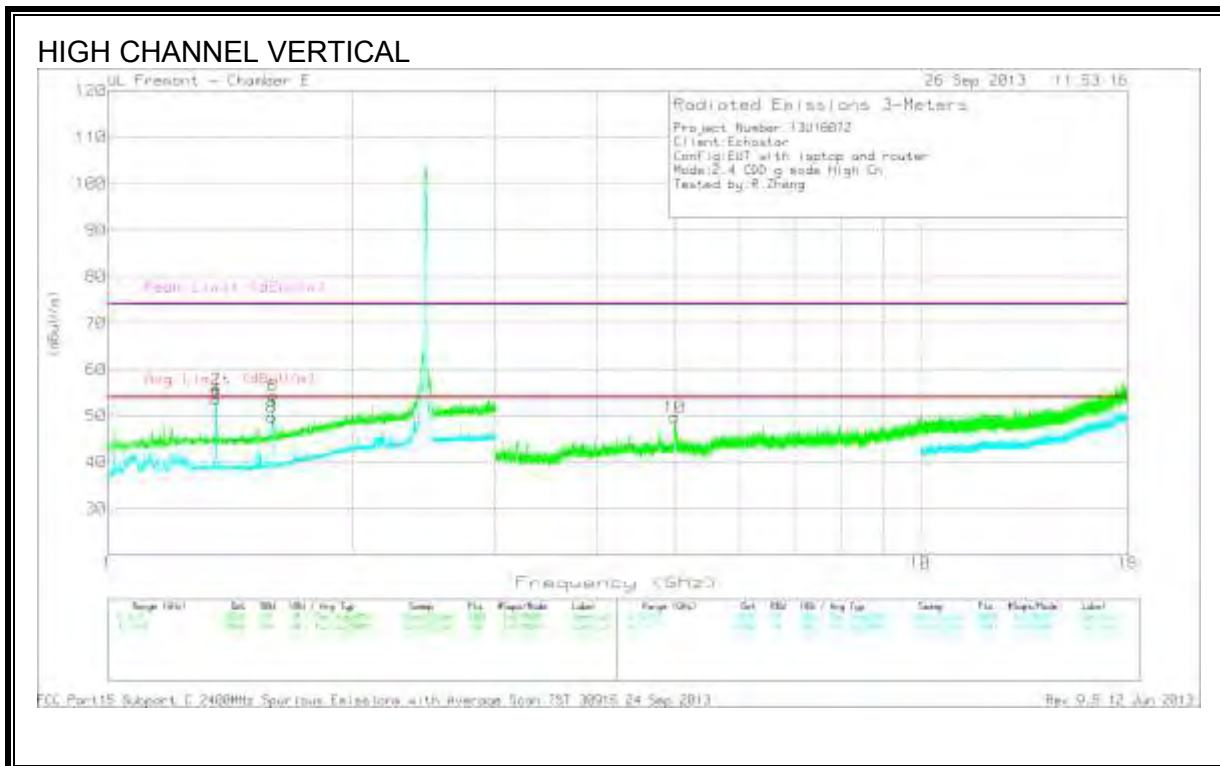
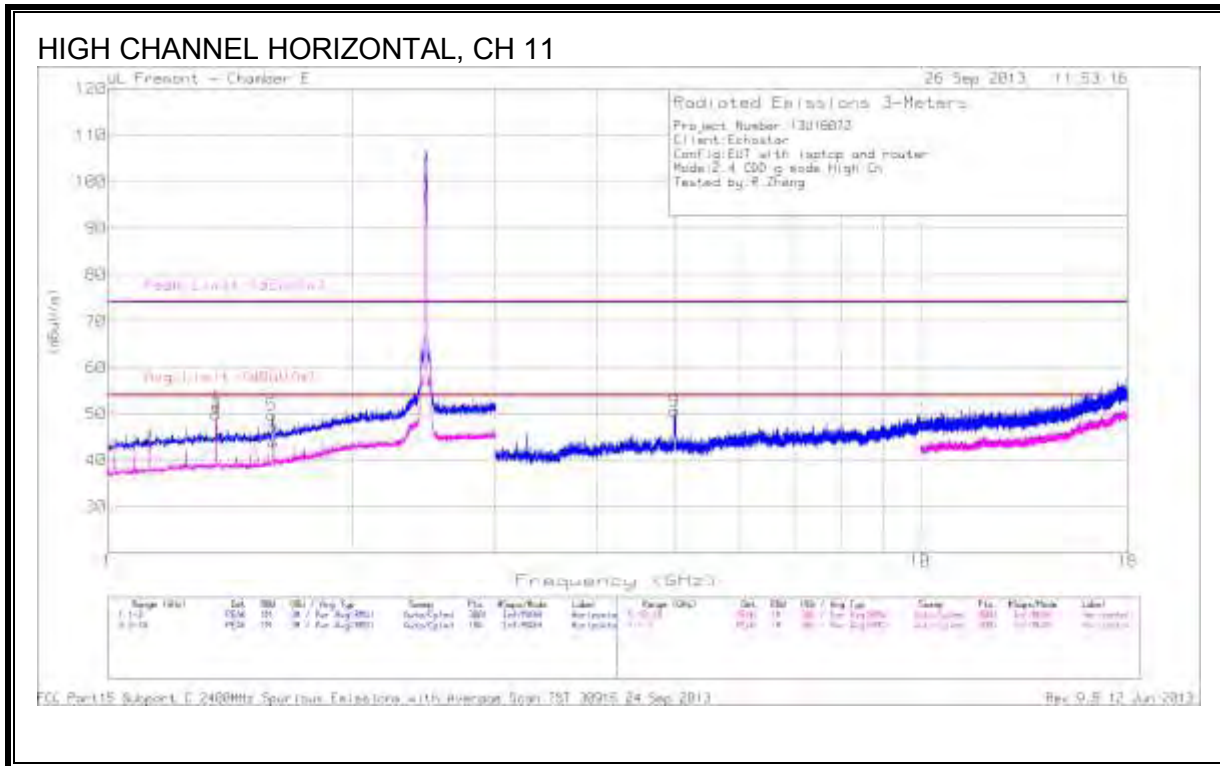
**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/Cbl /10dB Pad	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.361	48.67	PK	29	-26.8	50.87	-	-	74	-23.13	199	H
2	1.361	51.36	PK	29	-26.8	53.56	-	-	74	-20.44	200	V
3	1.36	47.61	PK (VB)	29	-26.8	49.81	53.97	-4.16	-	-	199	H
4	1.36	51.11	PK (VB)	29	-26.8	53.31	53.97	-0.66	-	-	200	V
5	1.595	47.63	PK	29.4	-26.6	50.43	-	-	74	-23.57	199	H
6	1.595	49.41	PK	29.4	-26.6	52.21	-	-	74	-21.79	100	V
7	1.599	42.35	PK (VB)	29.5	-26.5	45.35	53.97	-8.62	-	-	199	H
8	1.599	44.09	PK (VB)	29.5	-26.5	47.09	53.97	-6.88	-	-	200	V
9	2.721	43.76	PK	33.1	-24.2	52.66	-	-	74	-21.34	200	V
10	2.72	40.93	PK (VB)	33.1	-24.2	47.83	53.97	-6.14	-	-	100	V
11	4.993	44.5	PK	34.4	-31	47.9	53.97	-6.07	74	-26.1	100	H
13	7.313	42.86	PK	36	-28.2	50.66	53.97	-3.31	74	-23.34	100	H
12	4.993	45.87	PK	34.4	-31	49.27	53.97	-4.70	74	-24.73	100	V
14	7.308	43.99	PK	36	-28.2	51.79	53.97	-2.18	74	-22.21	200	V

PK - Peak detector

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)	Height (cm)	Polarity
1.36	44.62	MAv1	29	-26.8	46.82	53.97	-7.15	-	-	199	H
1.36	48.51	MAv1	29	-26.8	50.71	53.97	-3.26	-	-	200	V
4.986	34.2	MAv1	34.4	-30.9	37.7	53.97	-16.27	-	-	180	H
4.977	33.77	MAv1	34.4	-30.9	37.27	53.97	-16.7	-	-	108	H
7.312	34.09	MAv1	36	-28.2	41.89	53.97	-12.08	-	-	301	V
7.313	35.72	MAv1	36	-28.2	43.52	53.97	-10.45	-	-	266	H

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average





**DATA**

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)	Height (cm)	Polarity
1	1.361	49.42	PK	29	-26.8	51.62	-	-	74	-22.38	199	H
2	1.361	53.4	PK	29	-26.8	55.6	-	-	74	-18.4	199	V
3	1.36	47.73	PK (VB)	29	-26.8	49.93	53.97	-4.04	-	-	199	H
4	1.359	51.22	PK (VB)	29	-26.8	53.42	53.97	-0.55	-	-	199	V
5	1.594	46.89	PK	29.4	-26.6	49.69	-	-	74	-24.31	199	H
6	1.598	51.23	PK	29.5	-26.5	54.23	-	-	74	-19.77	100	V
7	1.599	40.91	PK (VB)	29.5	-26.5	43.91	53.97	-10.06	-	-	199	H
8	1.593	46.87	PK (VB)	29.4	-26.6	49.67	53.97	-4.30	-	--	100	V
9	4.987	47.12	PK	34.4	-30.9	50.62	53.97	-3.35	74	-23.38	199	H
10	4.986	46.07	PK	34.4	-30.9	49.57	53.97	-4.4	74	-24.43	100	V

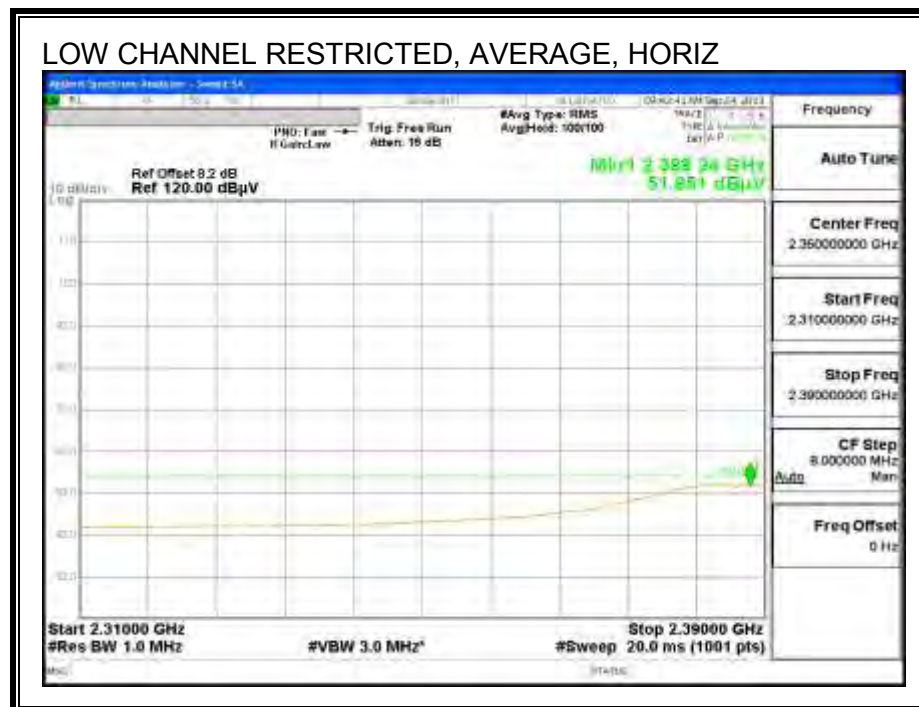
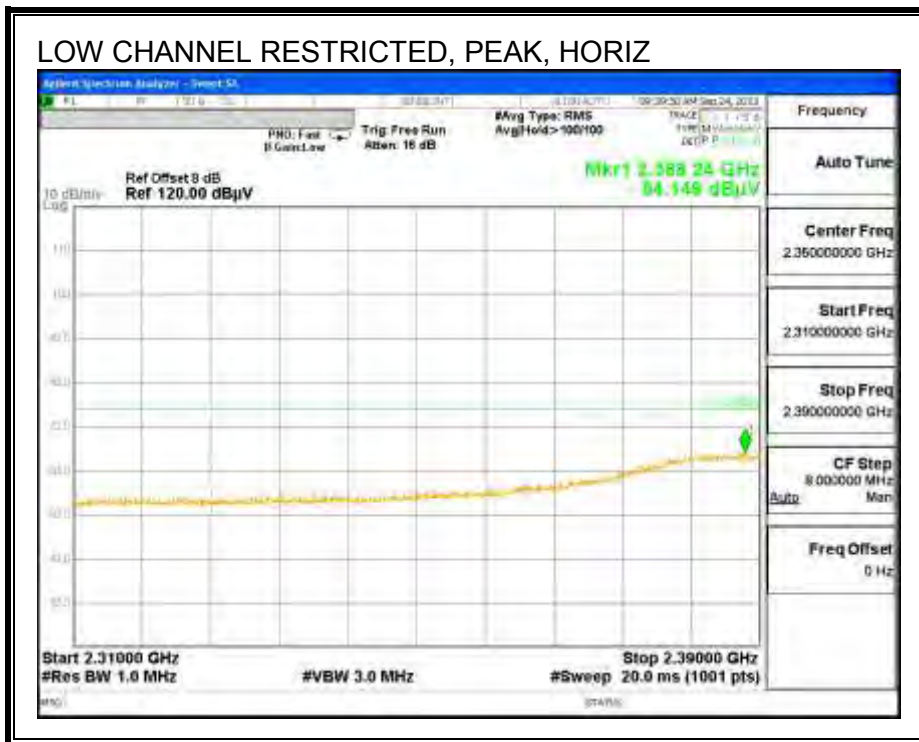
PK - Peak detector

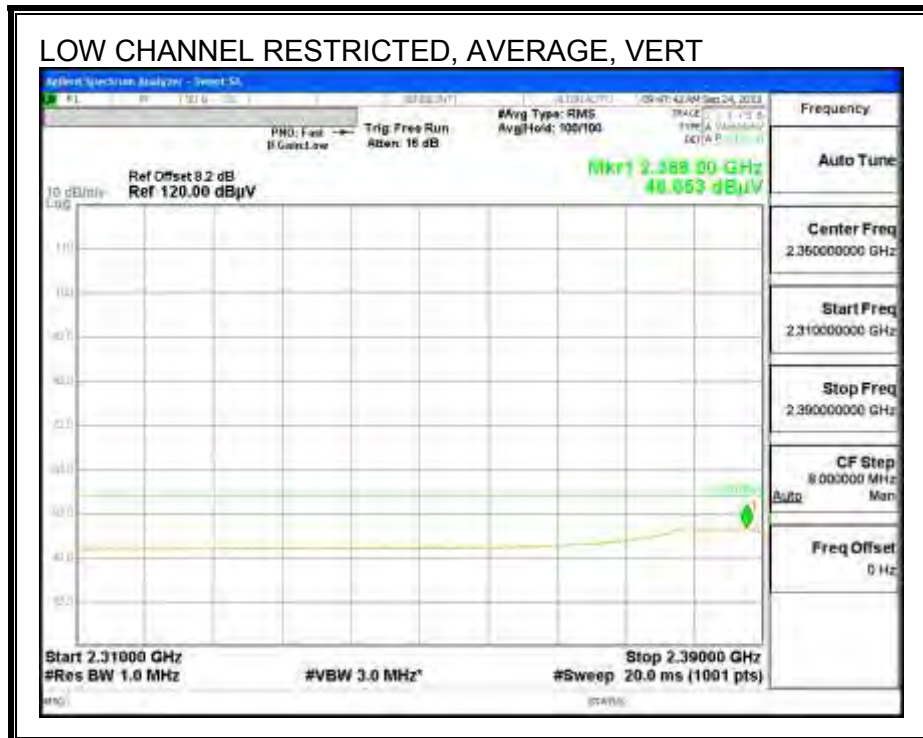
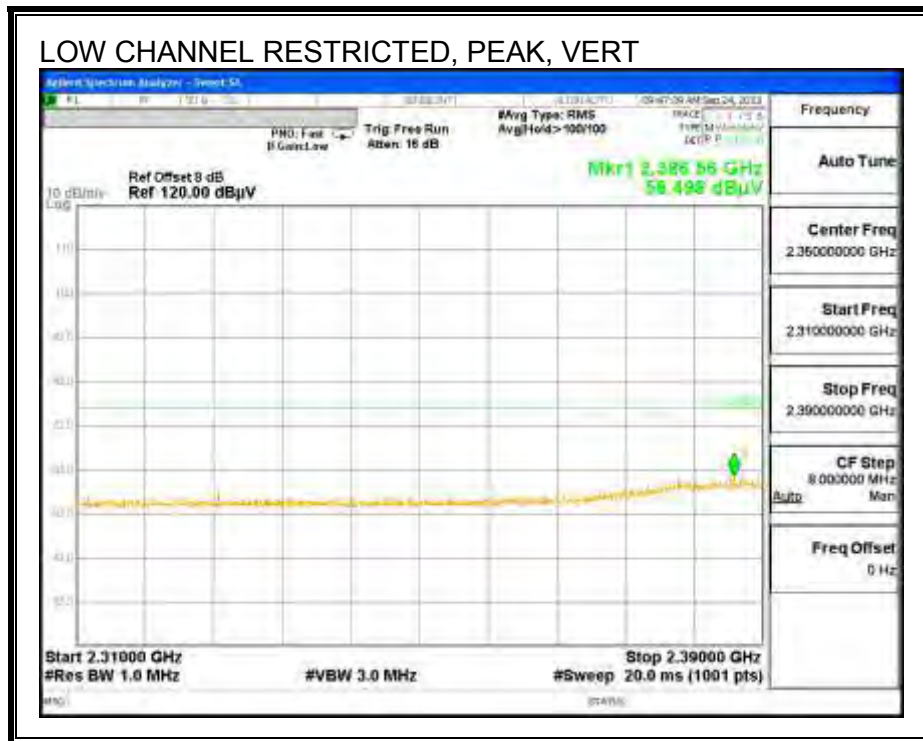
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.36	45.75	MAv1	29	-26.8	47.95	53.97	-6.02	-	-	199	H
1.359	48.42	MAv1	29	-26.8	50.62	53.97	-3.35	-	-	199	V
1.593	44.97	MAv1	29.4	-26.6	47.77	53.97	-6.20	-	--	100	V
4.983	35.57	MAv1	34.4	-30.9	39.07	53.97	-14.9	-	-	111	H
4.985	34.26	MAv1	34.4	-30.9	37.76	53.97	-16.21	-	-	123	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average

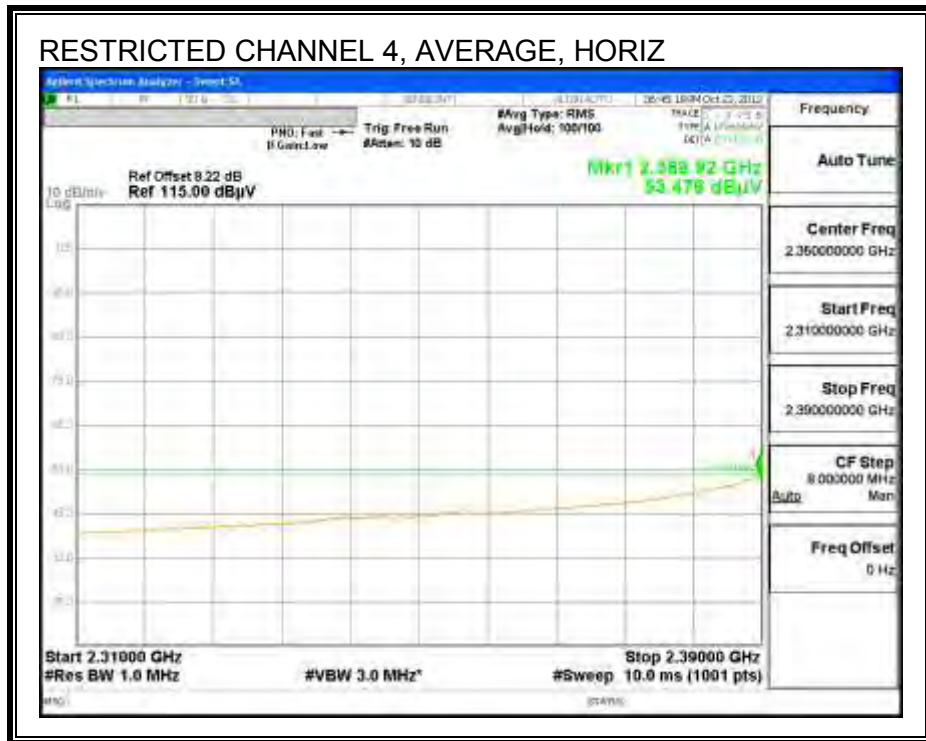
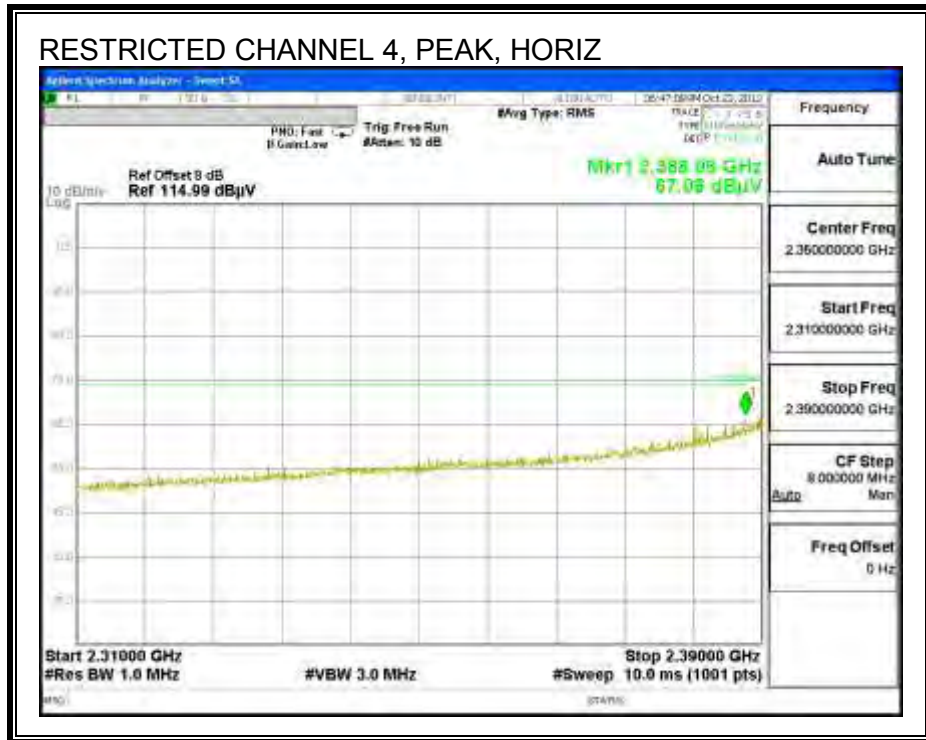
### 9.2.4. TX ABOVE 1 GHz 802.11n HT20 SISO MODE IN THE 2.4 GHz BAND

#### RESTRICTED BANEDGE (LOW CHANNEL)

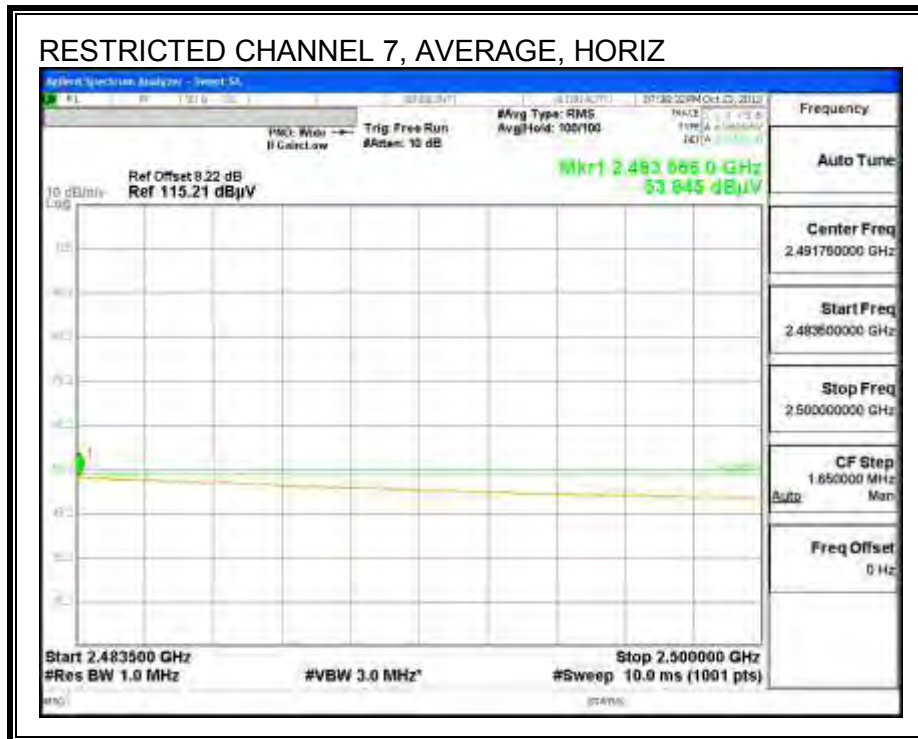
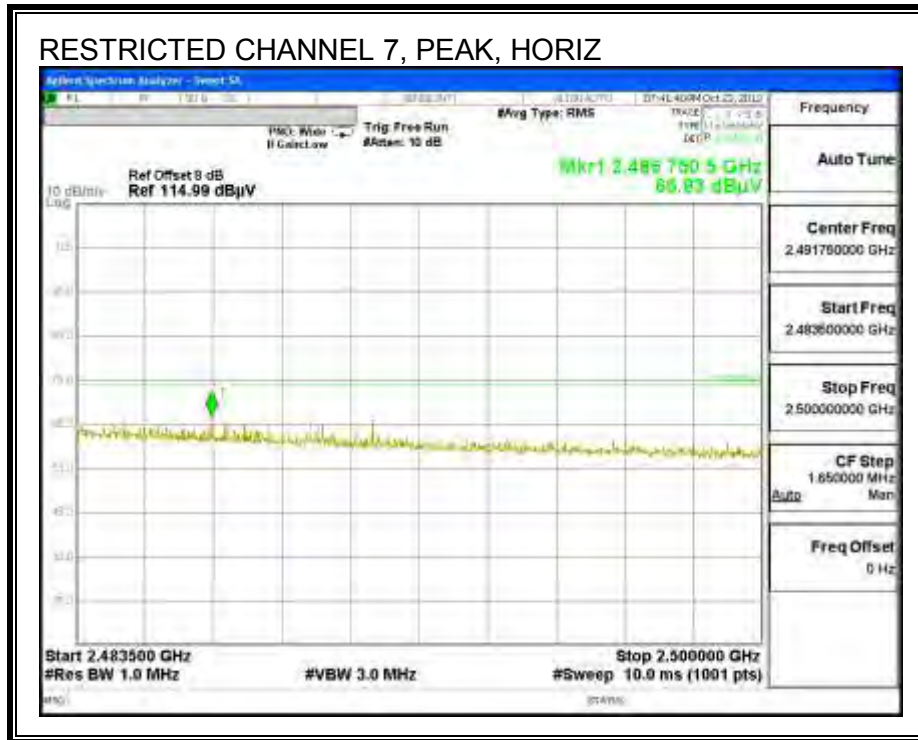




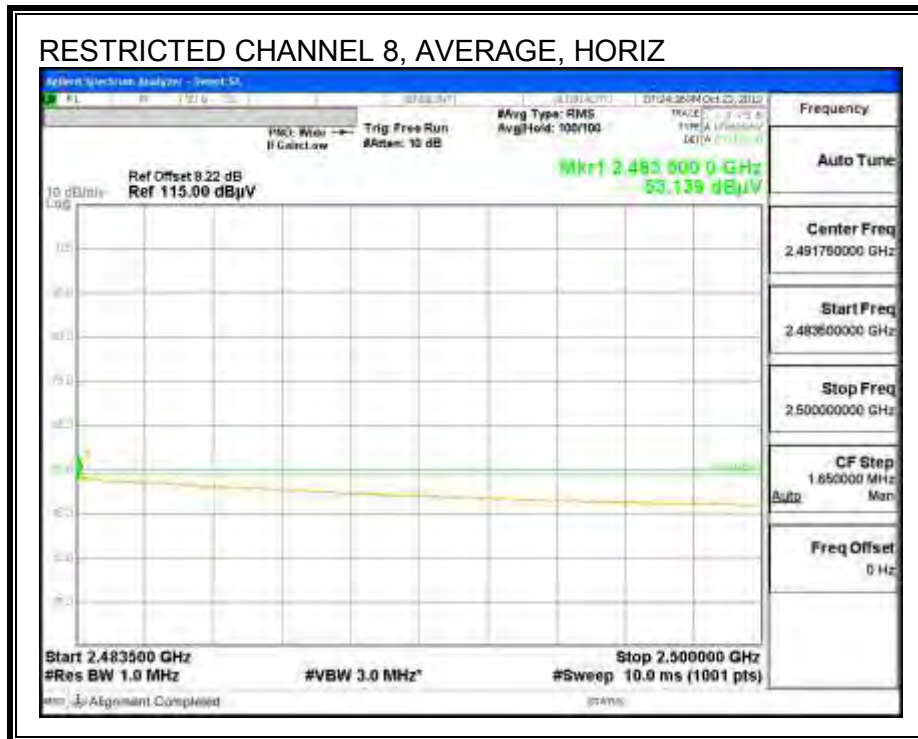
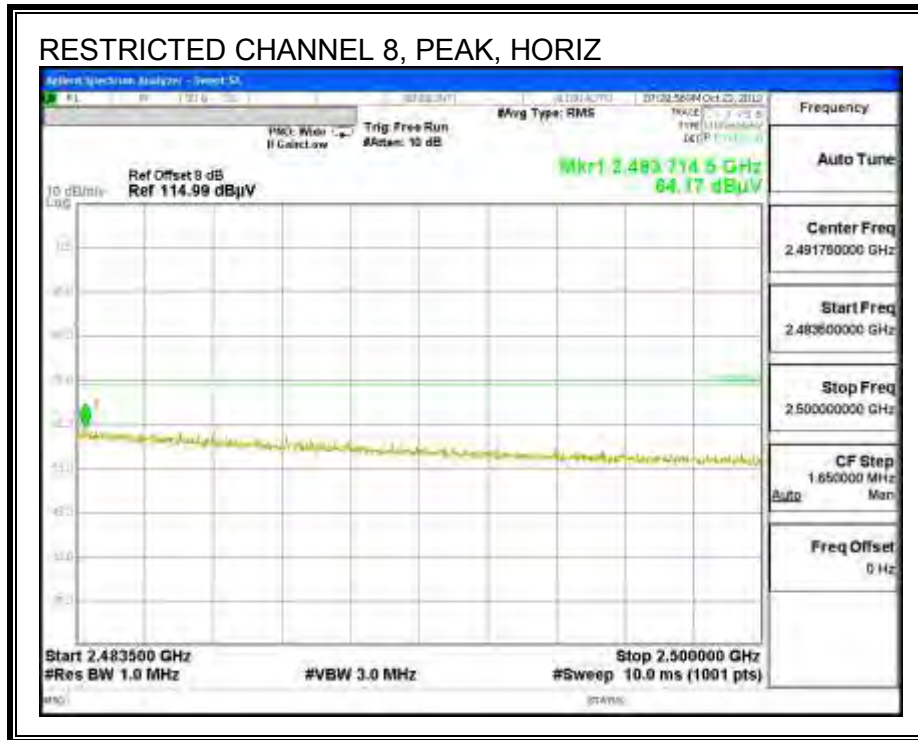
**RESTRICTED BANDEDGE (CHANNEL 4)**



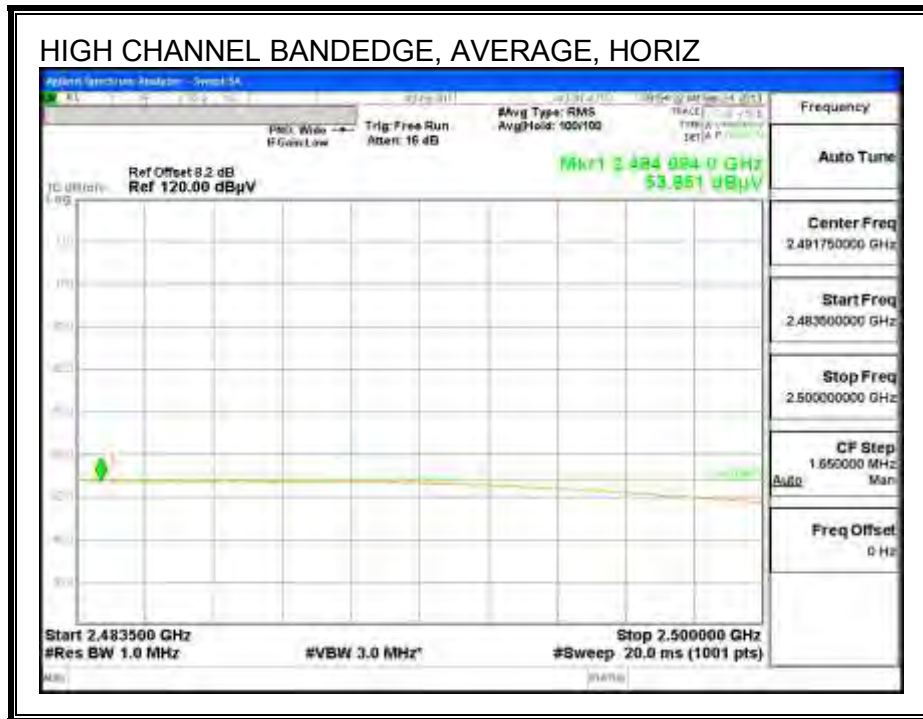
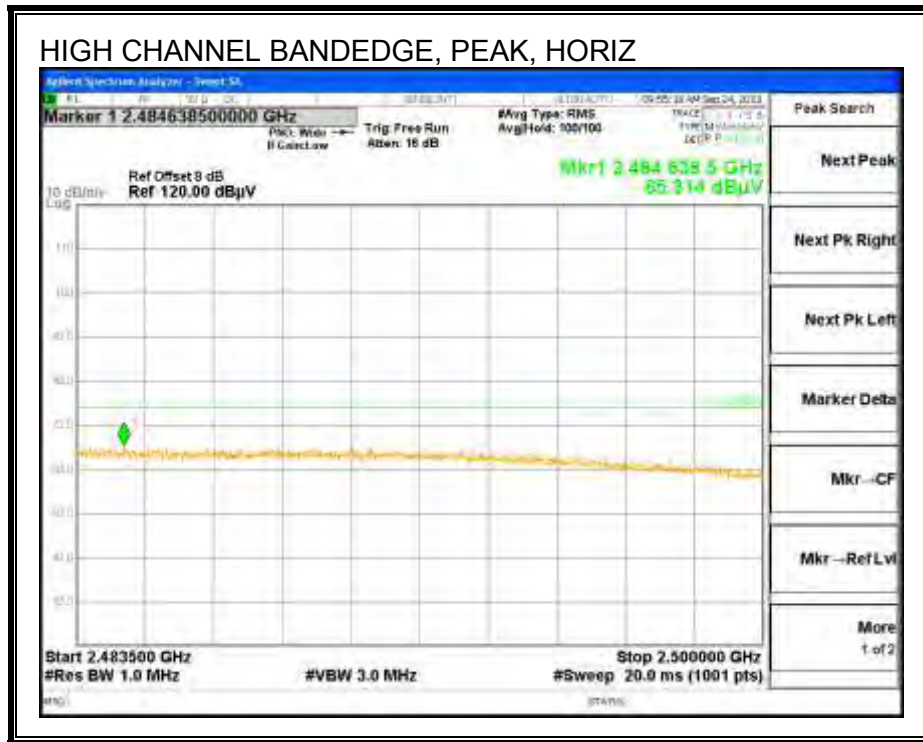
**RESTRICTED BANDEDGE (CHANNEL 7)**

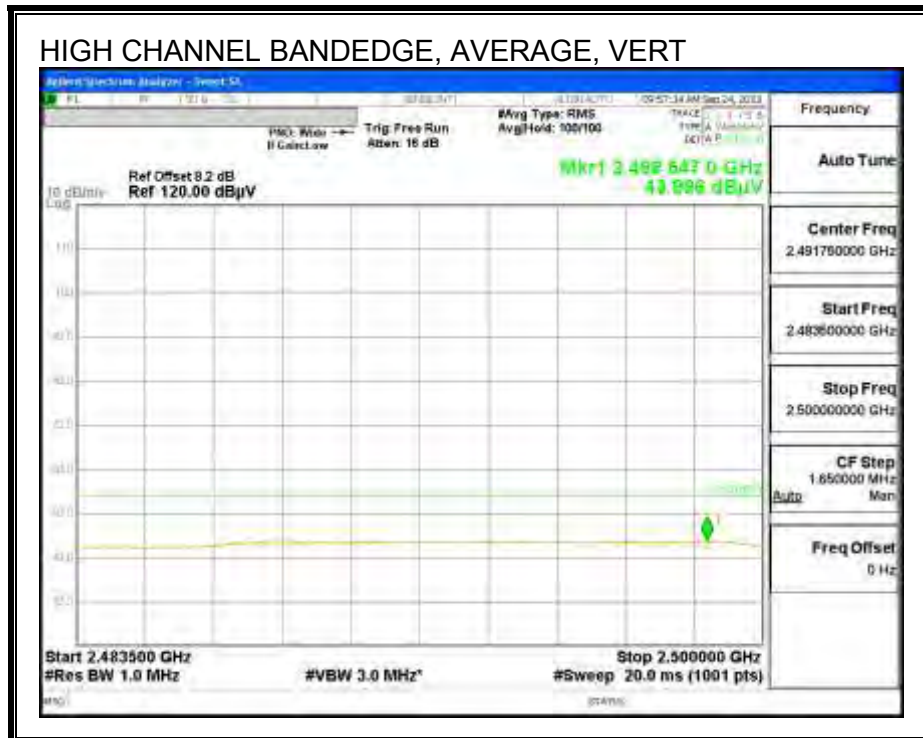
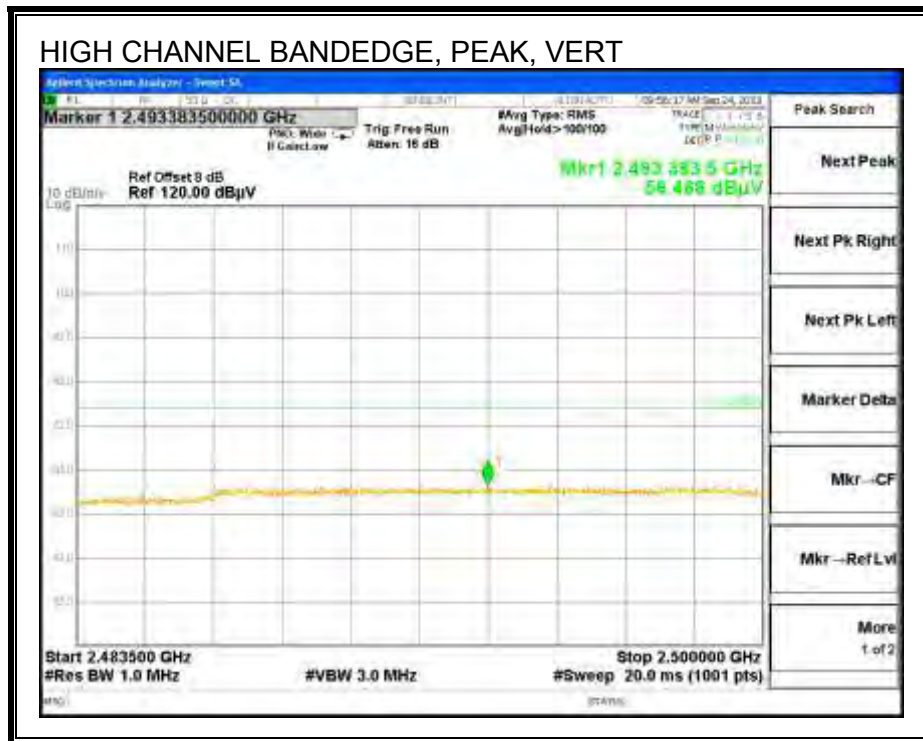


**RESTRICTED BANDEDGE (CHANNEL 8)**



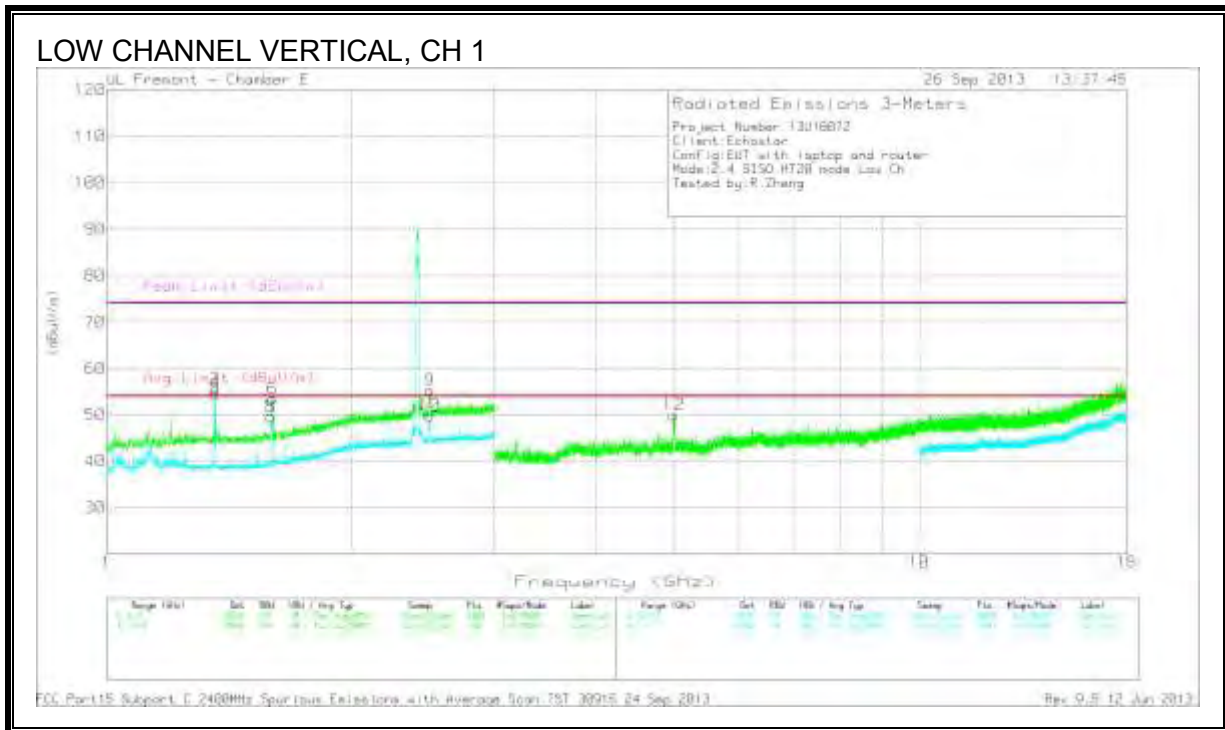
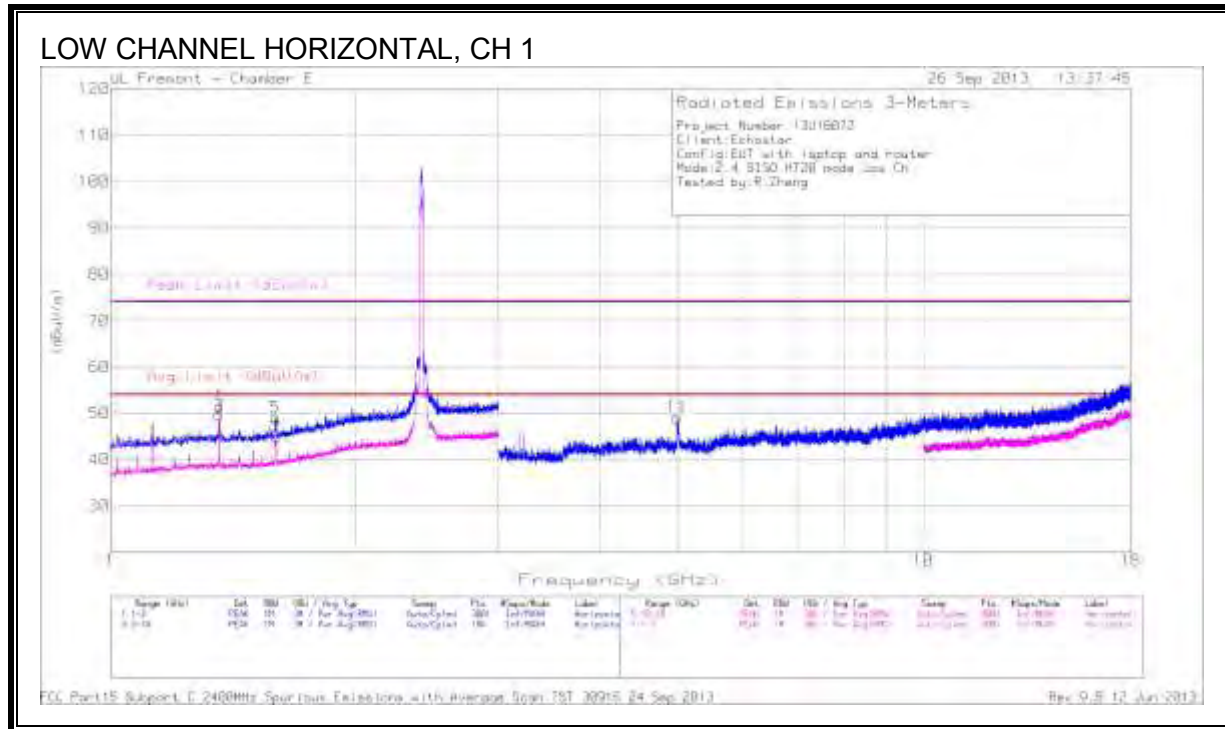
**AUTHORIZED BANDEDGE (HIGH CHANNEL)**







**HARMONICS AND SPURIOUS EMISSIONS**



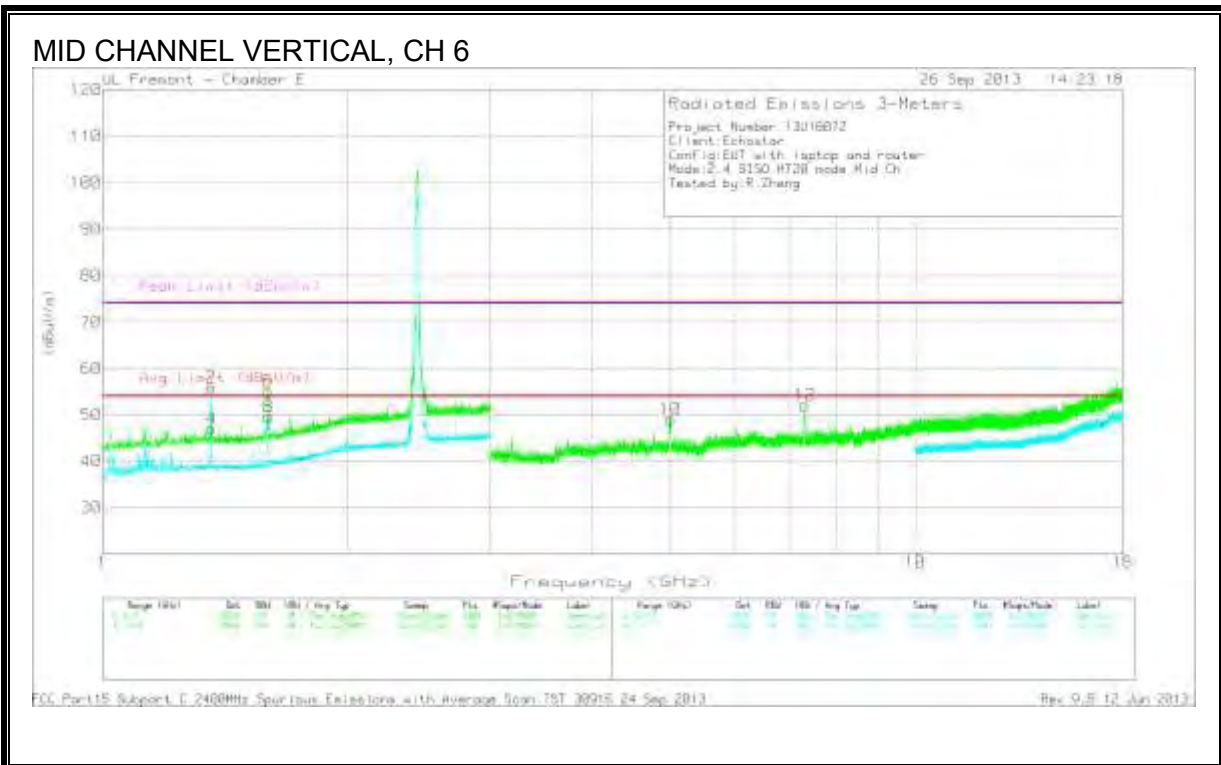
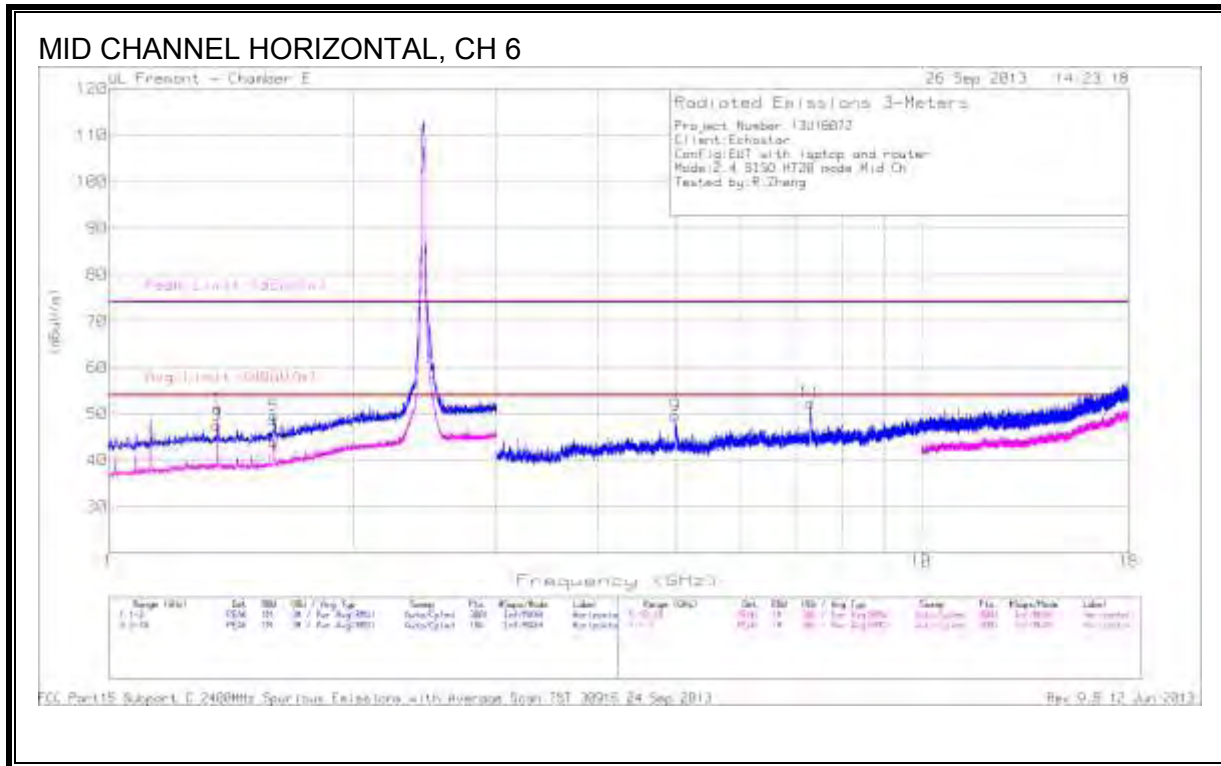
**DATA**

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)	Height (cm)	Polarity
1	1.361	49.3	PK	29	-26.8	51.5	-	-	74	-22.5	199	H
2	1.361	53.44	PK	29	-26.8	55.64	-	-	74	-18.36	199	V
3	1.36	39.48	PK (VB)	29	-26.8	44.58	53.97	-9.39	-	-	199	H
4	1.36	47.75	PK (VB)	29	-26.8	52.85	53.97	-1.12	-	-	200	V
5	1.595	46.29	PK	29.4	-26.6	49.09	-	-	74	-24.91	199	H
6	1.601	50.44	PK	29.5	-26.5	53.44	--	--	--	--	100	V
7	1.599	41.8	PK (VB)	29.5	-26.5	44.8	53.97	-9.17	-	-	199	H
8	1.593	46.78	PK (VB)	29.4	-26.6	49.58	53.97	-4.39	--	--	100	V
9	2.500	46.94	PK	32.7	-24.4	55.24	-	-	74	-18.76	199	V
10	2.500	41.57	PK (VB)	32.7	-24.4	49.87	53.97	-4.10	--	--	100	V
11	4.976	45.55	PK	34.4	-30.9	49.05	53.97	-4.92	74	-24.95	199	H
12	4.991	46.45	PK	34.4	-30.9	49.95	53.97	-4.02	74	-24.05	100	V

PK - Peak detector

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)	Height (cm)	Polarity
1.36	45.72	PK (VB)	29.0	-26.8	50.82	53.97	-3.15	-	-	200	V
1.593	44.98	PK (VB)	29.4	-26.6	47.78	53.97	-6.19	--	--	100	V
2.500	38.55	PK (VB)	32.7	-24.4	46.85	53.97	-7.12	--	--	100	V
4.983	32.97	MAv1	34.4	-30.9	36.47	53.97	-17.5	-	-	283	H
4.985	33.54	MAv1	34.4	-30.9	37.04	53.97	-16.93	-	-	241	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average



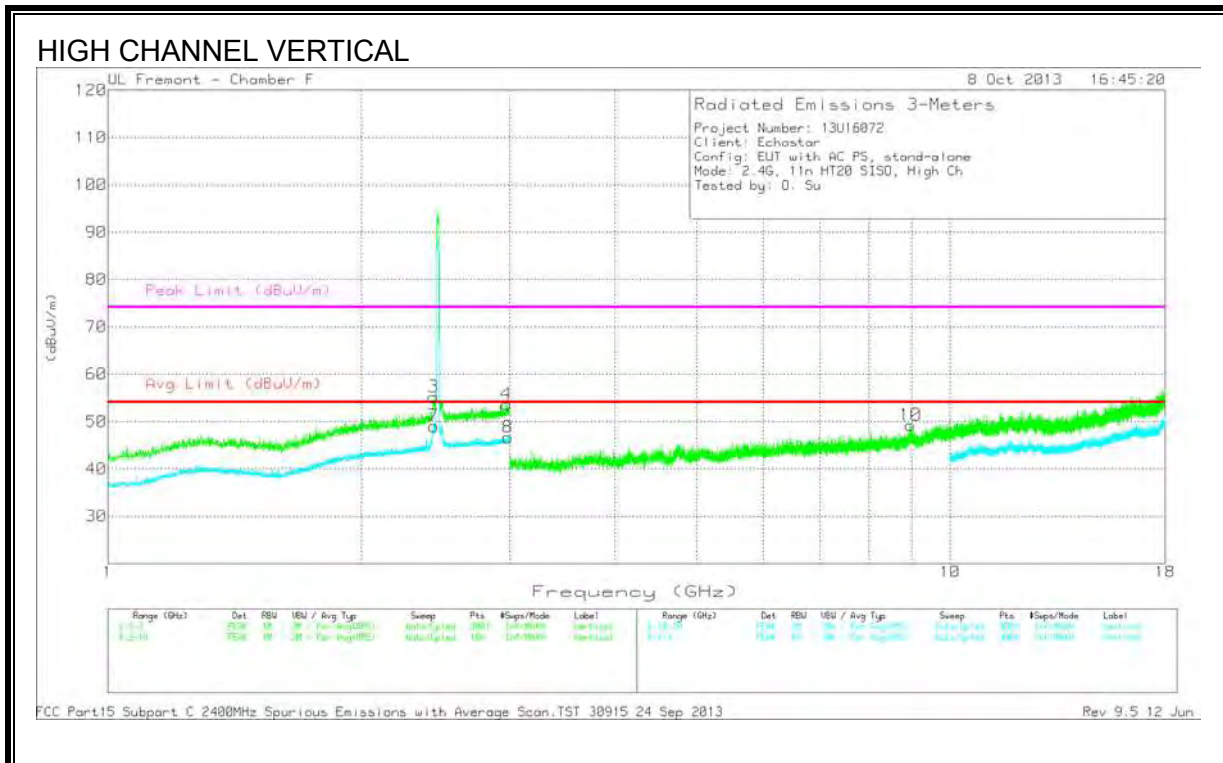
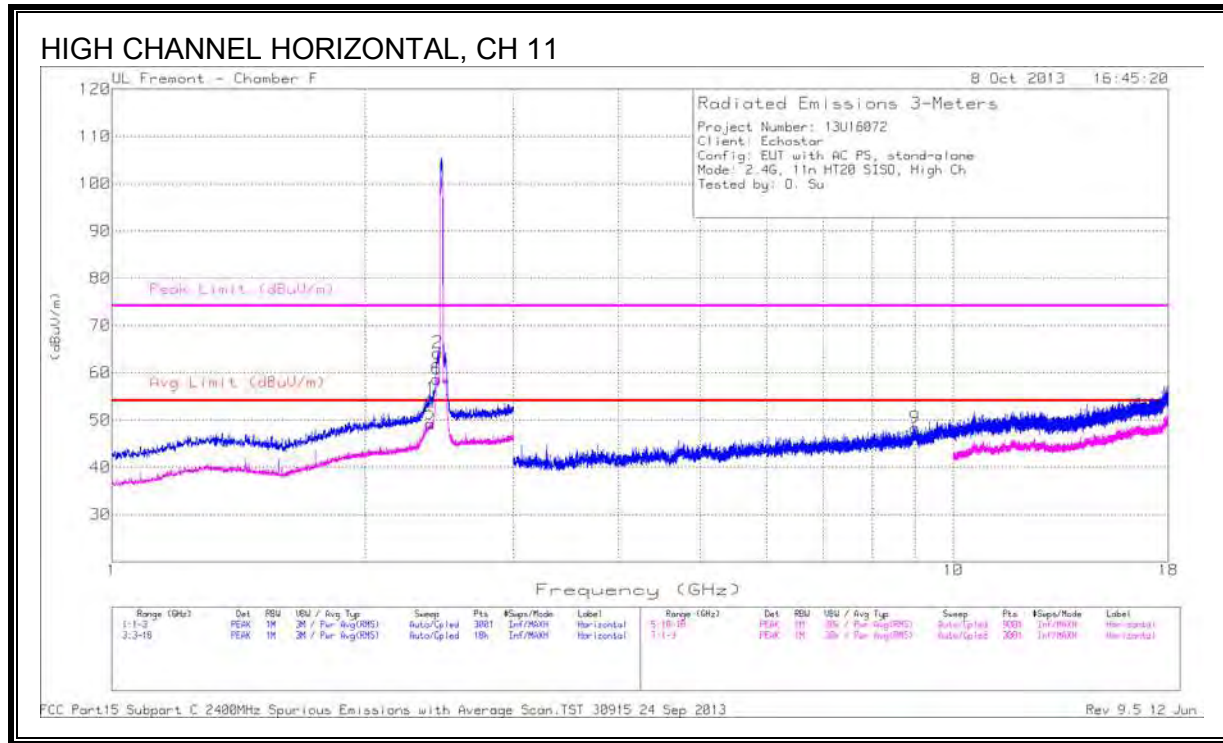
**DATA**

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)	Height (cm)	Polarity
1	1.361	48.96	PK	29	-26.8	51.16	-	-	74	-22.84	199	H
2	1.361	53.71	PK	29	-26.8	55.91	-	-	74	-18.09	199	V
3	1.359	45.36	PK (VB)	29	-26.8	47.56	53.97	-6.41	-	-	199	H
4	1.361	44.72	PK (VB)	29	-26.8	46.92	53.97	-7.05	-	-	199	V
5	1.597	46.63	PK	29.5	-26.6	49.53	-	-	74	-24.47	199	H
6	1.596	52.17	PK	29.5	-26.6	55.07	-	-	74	-18.93	100	V
7	1.598	41.06	PK (VB)	29.5	-26.5	44.06	53.97	-9.91	-	-	199	H
8	1.599	46.57	PK (VB)	29.5	-26.5	49.57	53.97	-4.4	-	-	100	V
9	4.979	46.05	PK	34.4	-30.9	49.55	53.97	-4.42	74	-24.45	100	H
11	7.303	44.58	PK	36	-28.2	52.38	53.97	-1.59	74	-21.62	100	H
10	4.996	45.68	PK	34.4	-31	49.08	53.97	-4.89	74	-24.92	100	V
12	7.313	44.25	PK	36	-28.2	52.05	53.97	-1.92	74	-21.95	200	V

PK - Peak detector

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)	Height (cm)	Polarity
1.599	44.55	PK (VB)	29.5	-26.5	47.55	53.97	-6.42	-	-	100	V
4.997	34.31	MAv1	34.4	-30.9	37.81	53.97	-16.16	-	-	292	H
4.998	35.15	MAv1	34.4	-30.9	38.65	53.97	-15.32	-	-	200	V
7.311	38.24	MAv1	36	-28.2	46.04	53.97	-7.93	-	-	276	V
7.313	35.55	MAv1	36	-28.2	43.35	53.97	-10.62	-	-	297	H

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average



**DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.391	44.9	PK	32.1	-22.5	0	54.5	--	--	--	--	0-360	100	H
2	*2.439	54.3	PK	32.3	-22.4	0	64.2	--	--	--	--	0-360	199	H
3	*2.435	45.38	PK	32.3	-22.5	0	55.18	--	--	--	--	0-360	200	V
4	*2.973	41.9	PK	33.1	-21.4	0	53.6	--	--	--	--	0-360	200	V
5	*2.391	39.62	PK (VB)	32.1	-22.5	0	49.22	--	--	-	-	0-360	199	H
6	*2.434	40.89	PK (VB)	32.3	-22.5	.2	50.89	--	--	-	-	47	209	H
7	*2.436	39.22	PK (VB)	32.3	-22.5	0	49.02	--	--	-	-	0-360	201	V
8	*2.985	34.93	PK (VB)	33.1	-21.4	0	46.63	-	-	-	-	0-360	201	V
9	8.997	35.03	PK	36.3	-23.0	0	48.33	53.97	-5.64	74	-25.67	0-360	199	H
10	8.969	35.73	PK	36.3	-22.8	0	49.23	53.97	-4.74	74	-24.77	0-360	201	V

\*Not in Restricted Bands

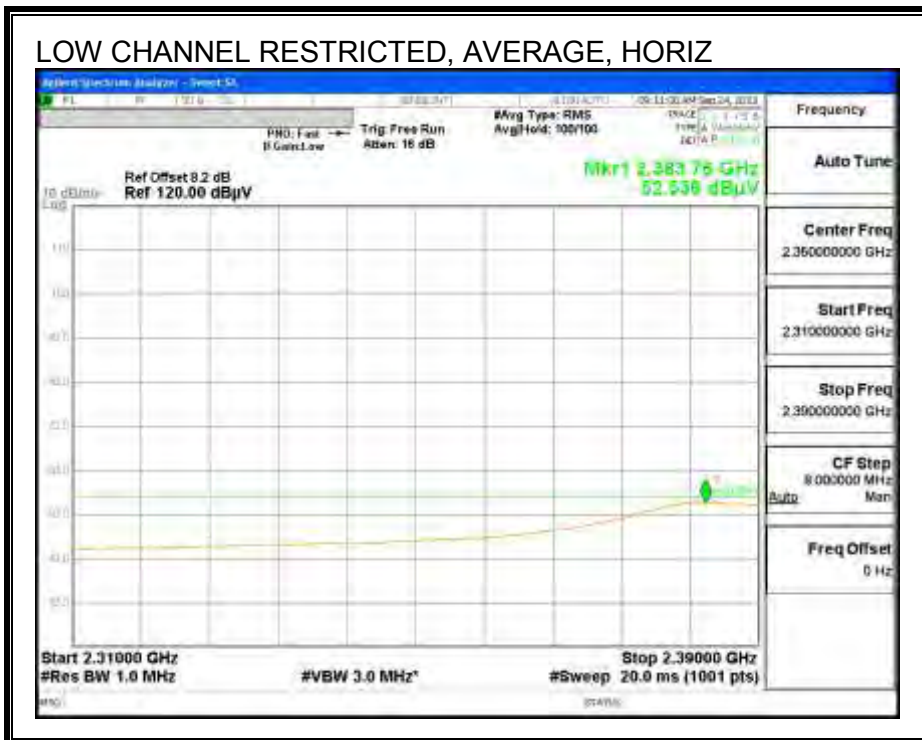
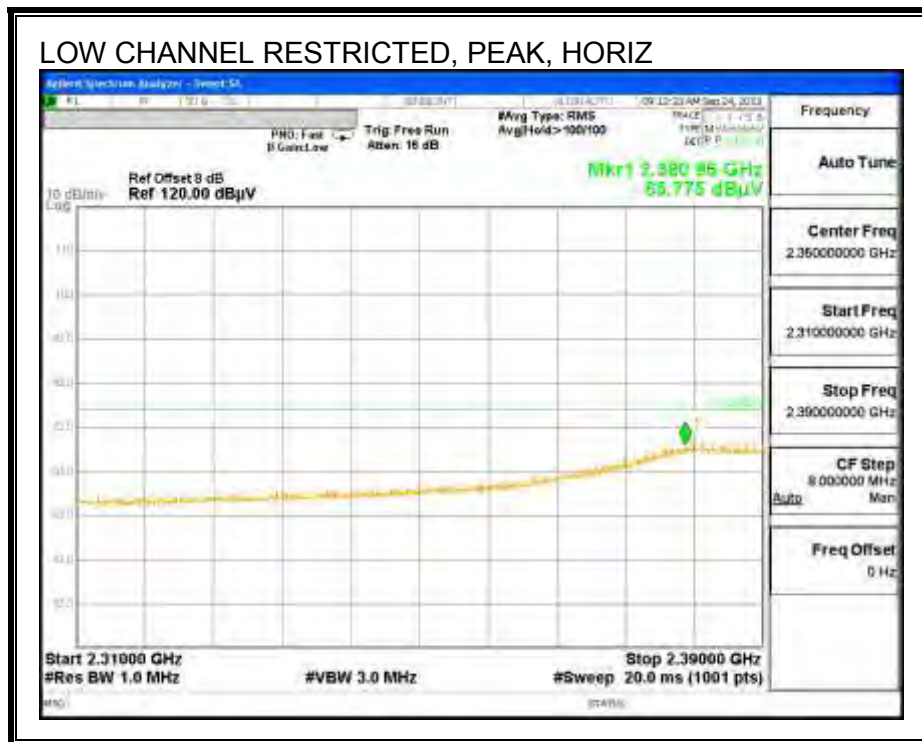
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /3GHz HPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
8.997	21.27	PK (VB)	36.3	-23	.2	34.77	53.97	-19.2	-	-	322	212	H
8.967	21.33	PK (VB)	36.3	-22.9	.2	34.93	53.97	-19.04	-	-	304	222	V

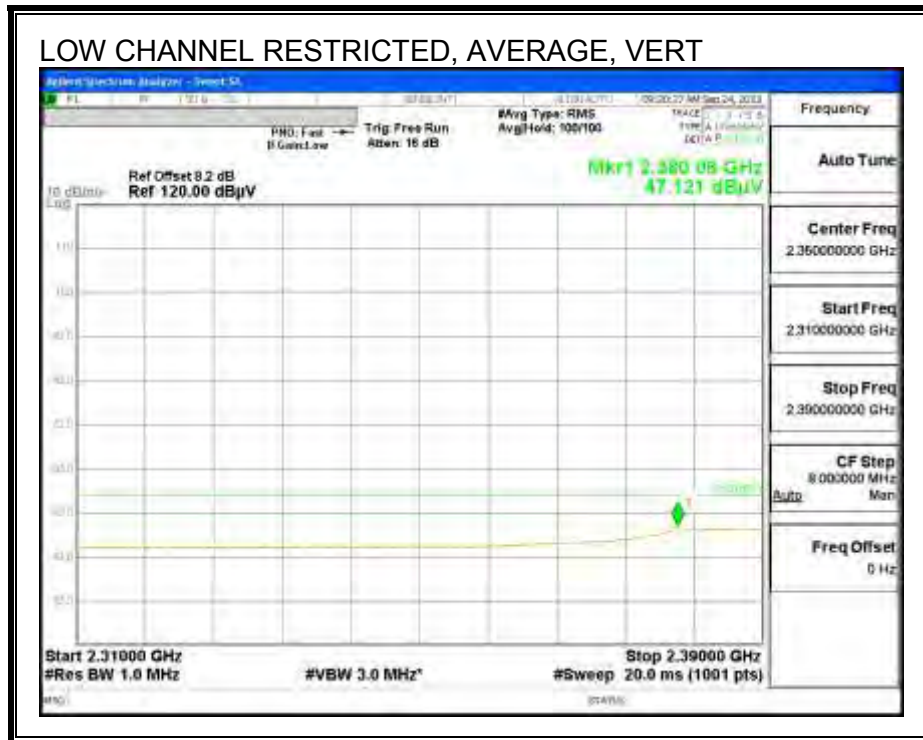
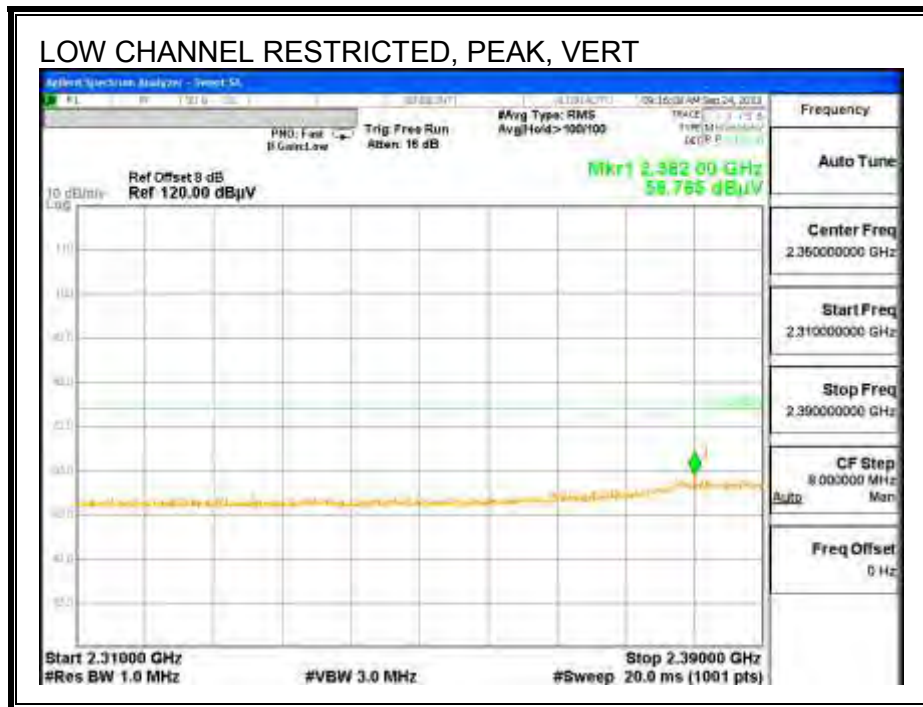
PK - Peak detector

FCC Part15 Subpart C 2400MHz Spurious Emissions with Average Scan.TST 30915 24 Sep 2013 Rev 9.5 12 Jun 2013

### 9.2.5. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 2.4 GHz BAND

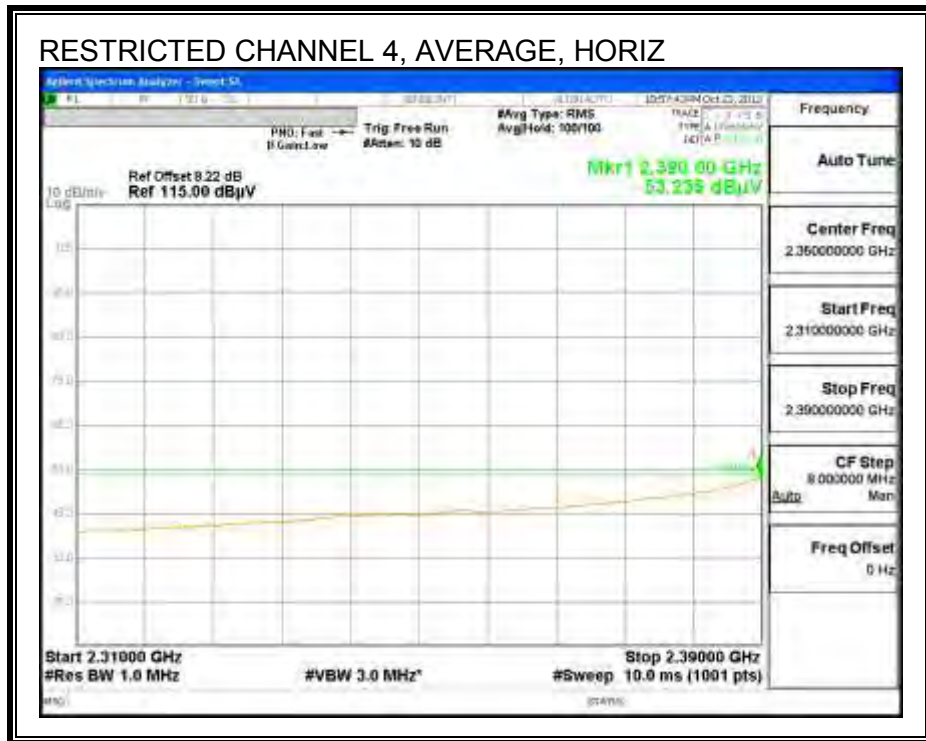
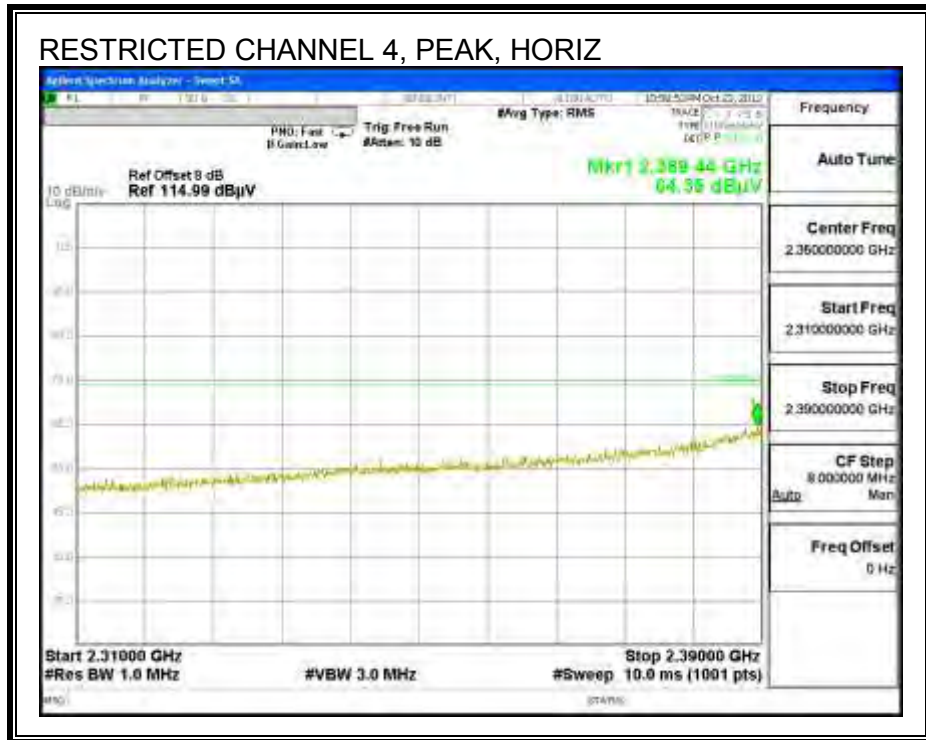
#### RESTRICTED BANEDGE (LOW CHANNEL)



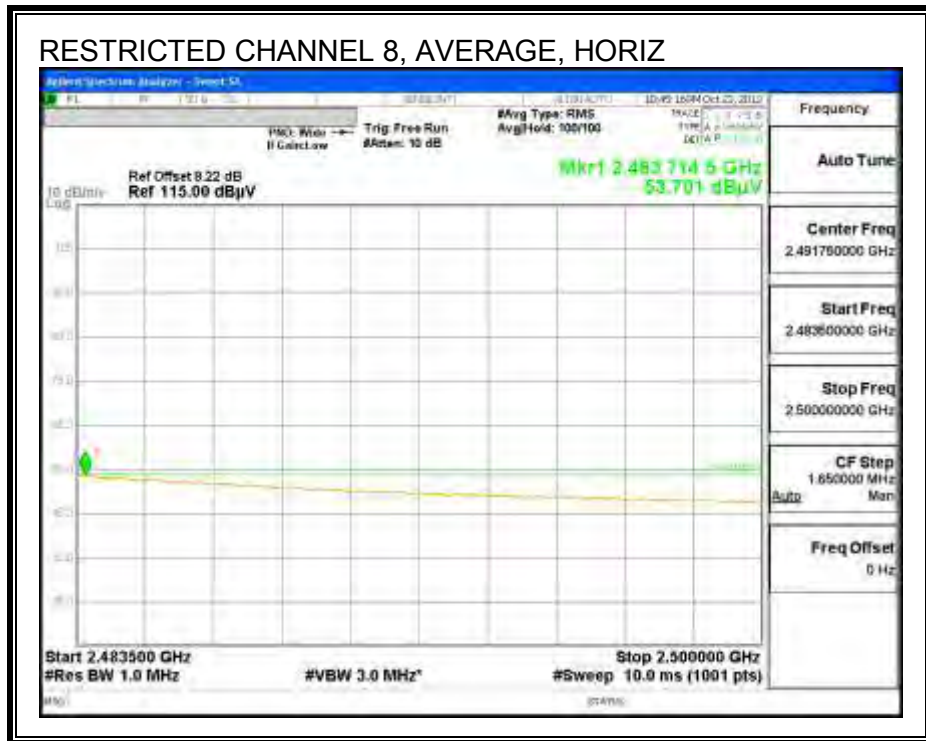
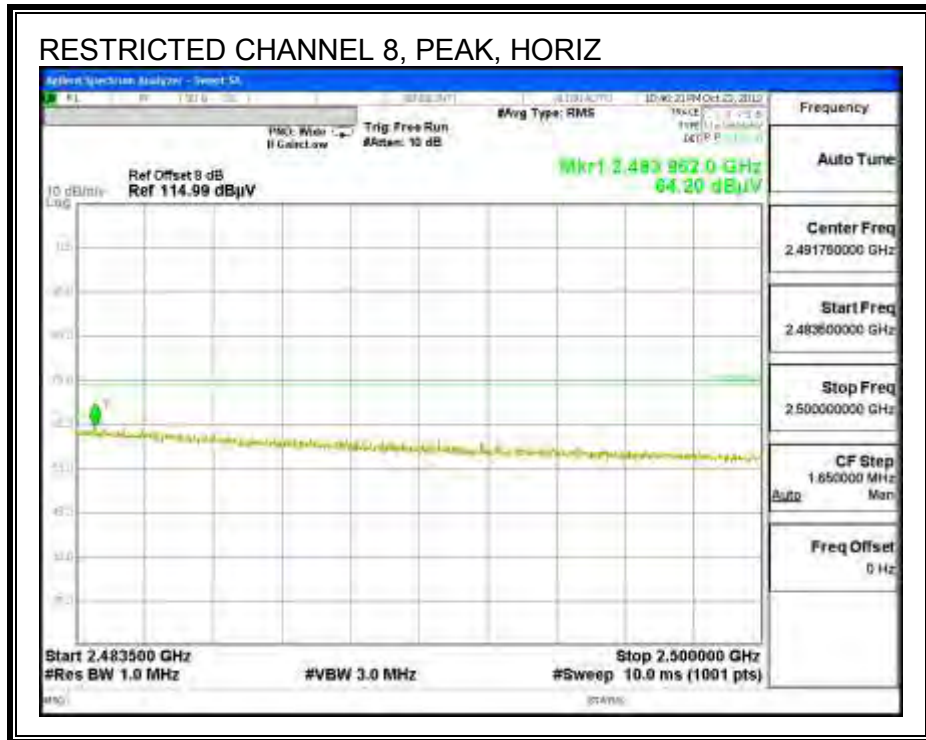




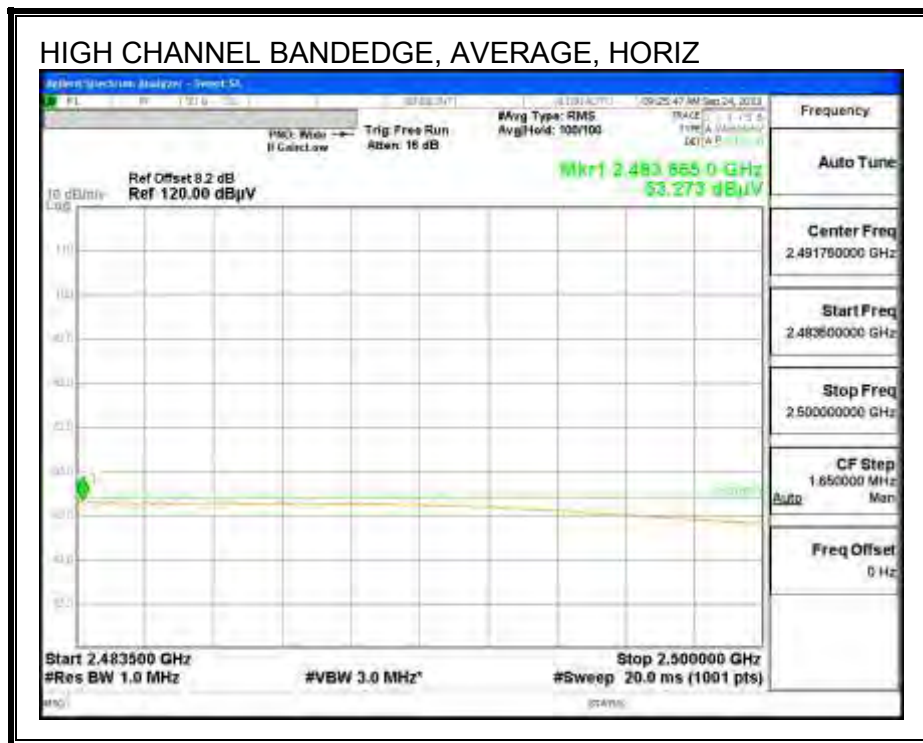
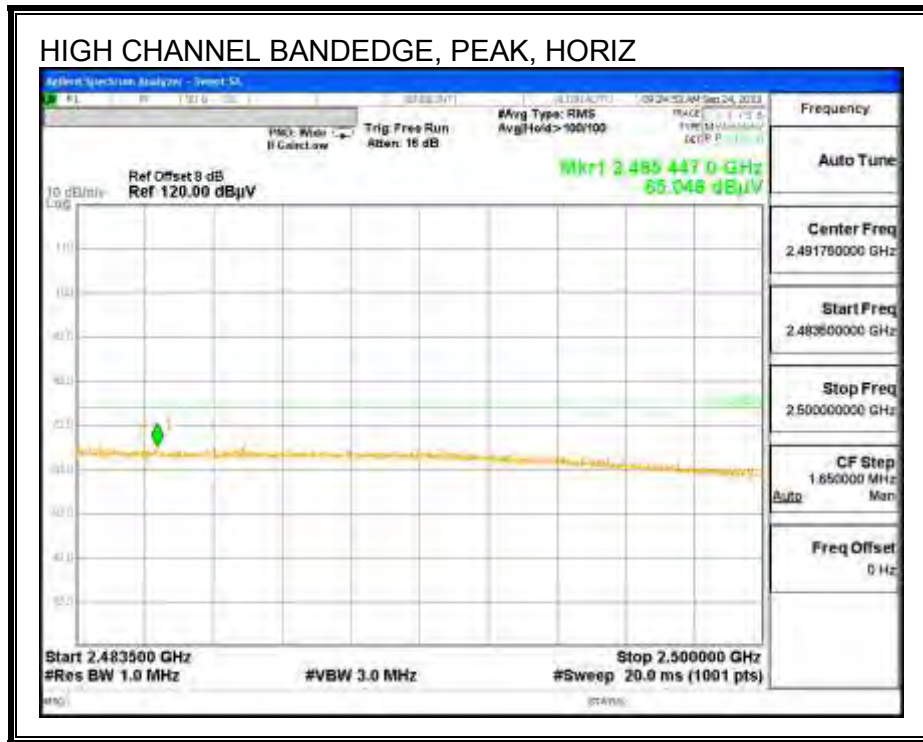
**RESTRICTED BANDEDGE (CHANNEL 4)**

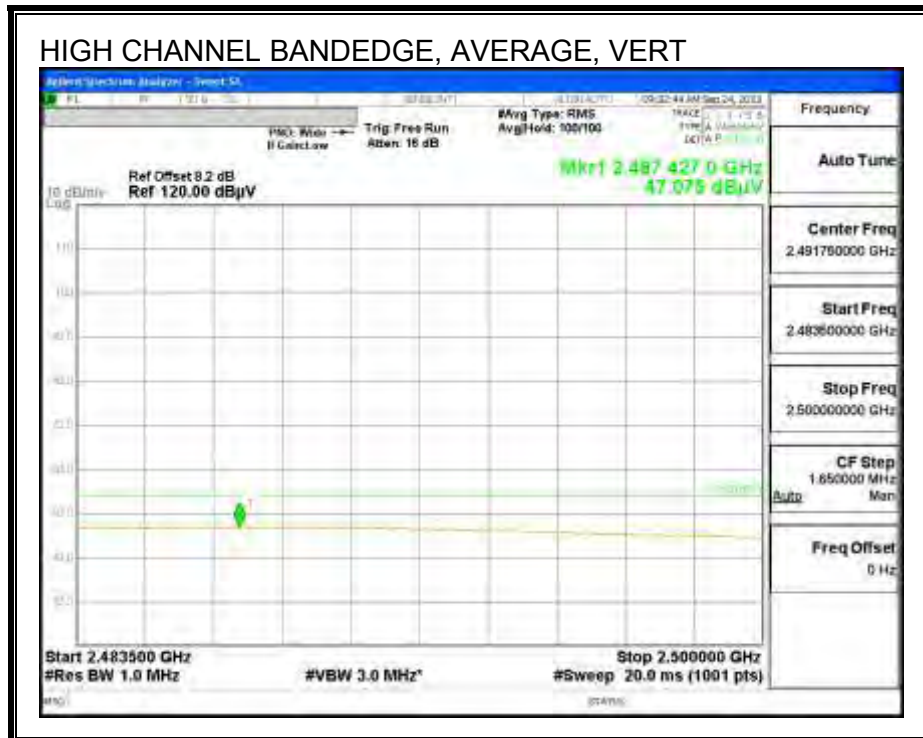
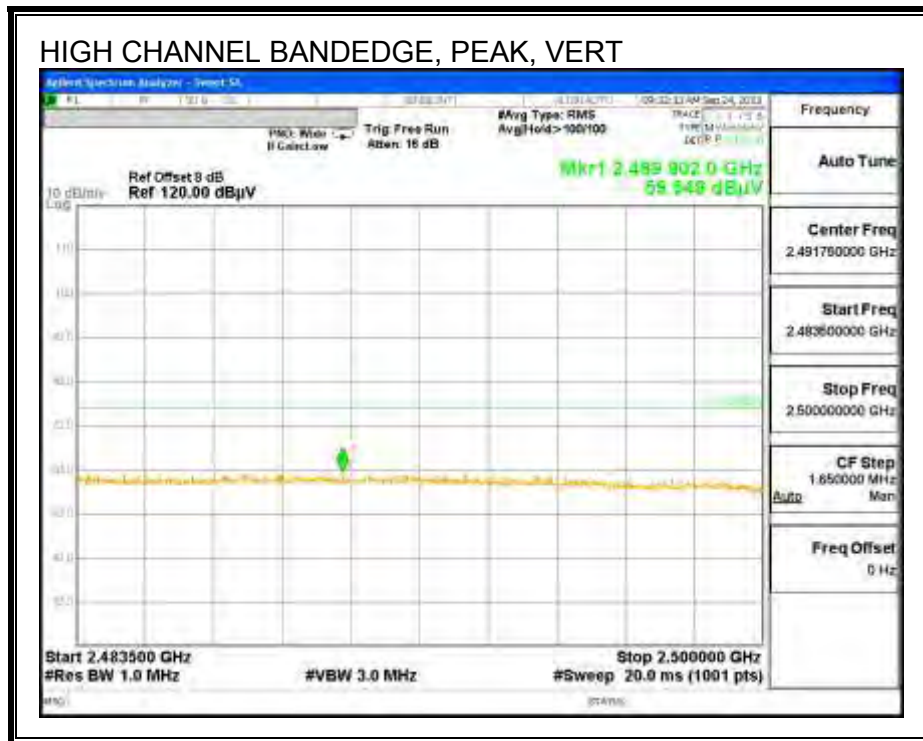


**RESTRICTED BANDEDGE (CHANNEL 8)**

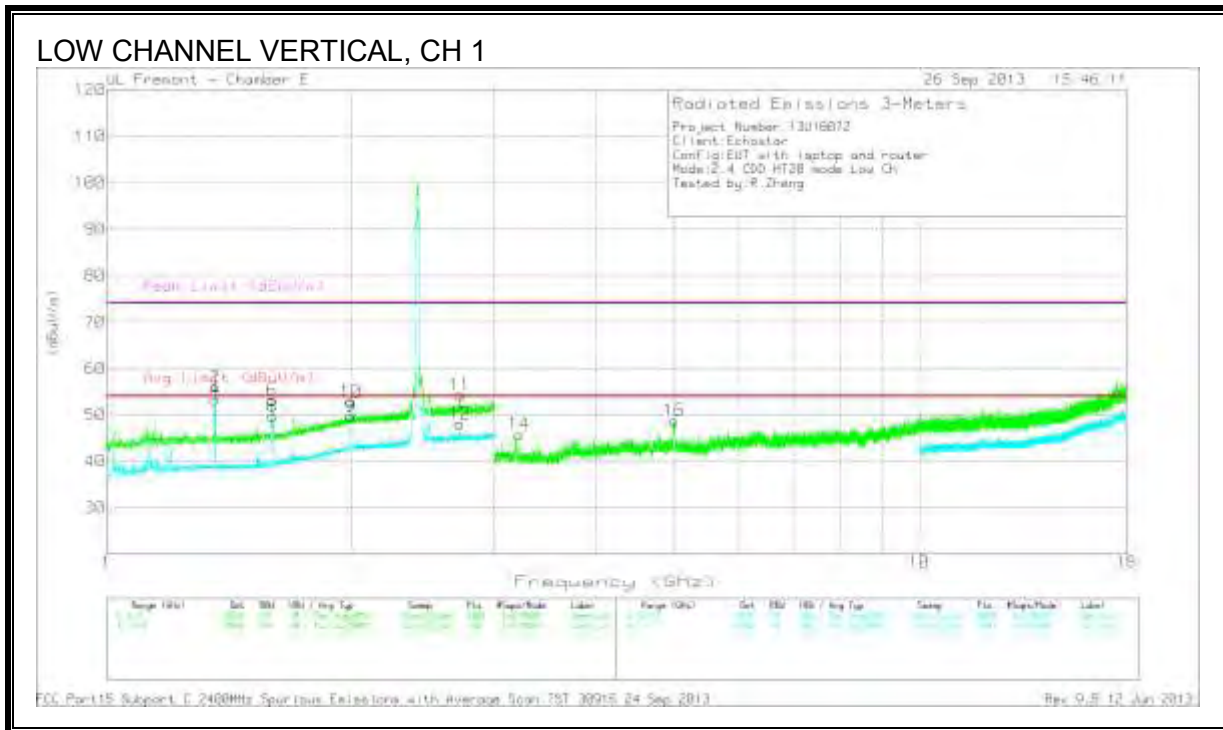
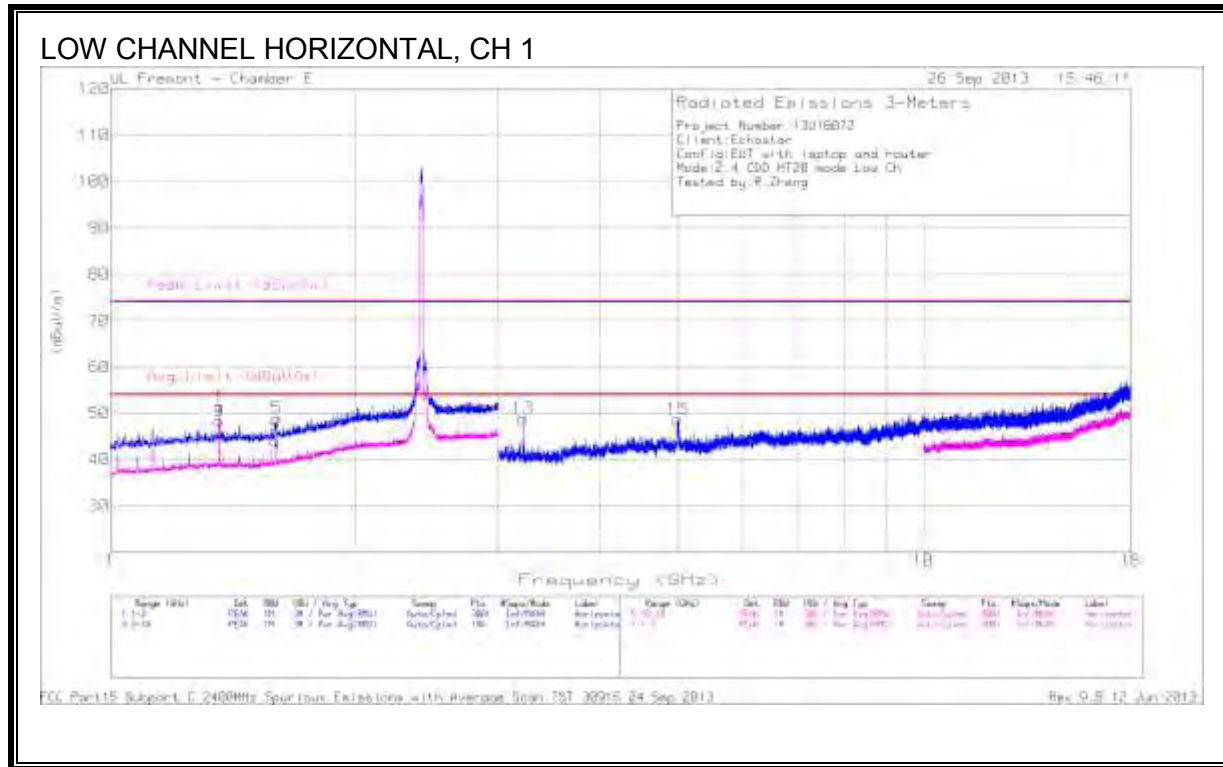


**AUTHORIZED BANDEGE (HIGH CHANNEL)**





**HARMONICS AND SPURIOUS EMISSIONS**



**DATA**

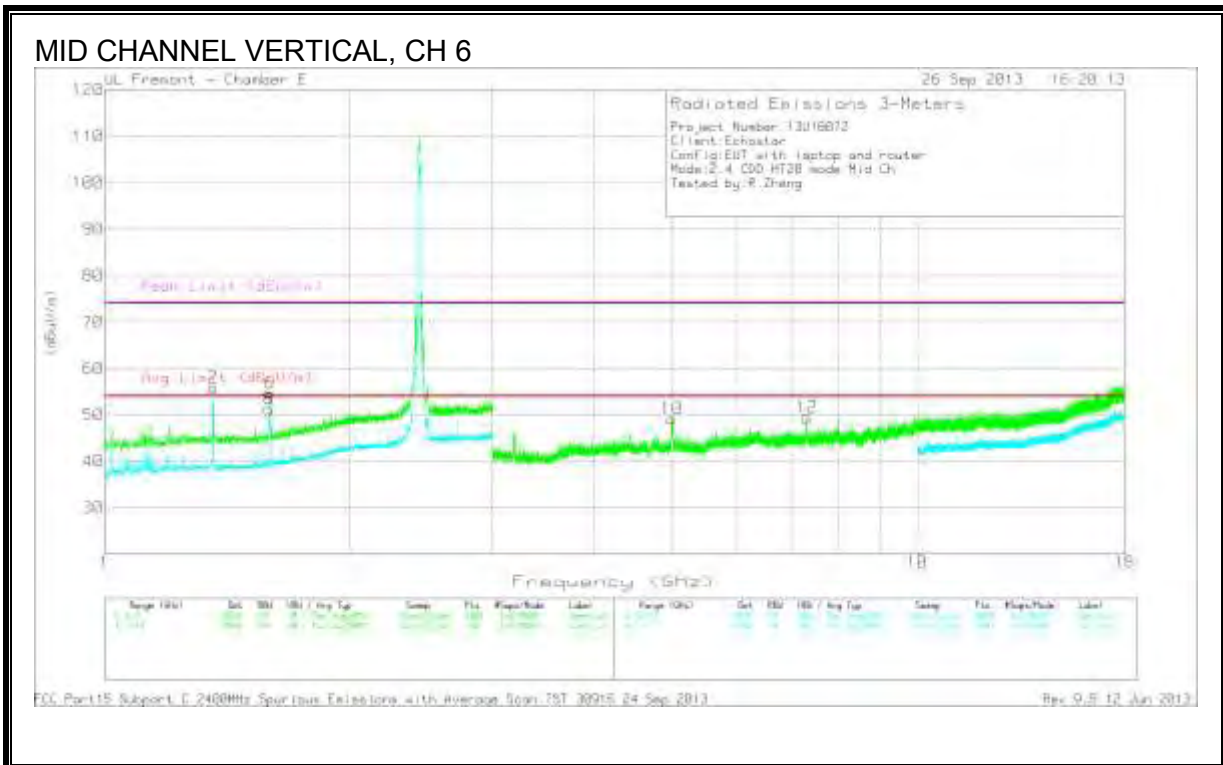
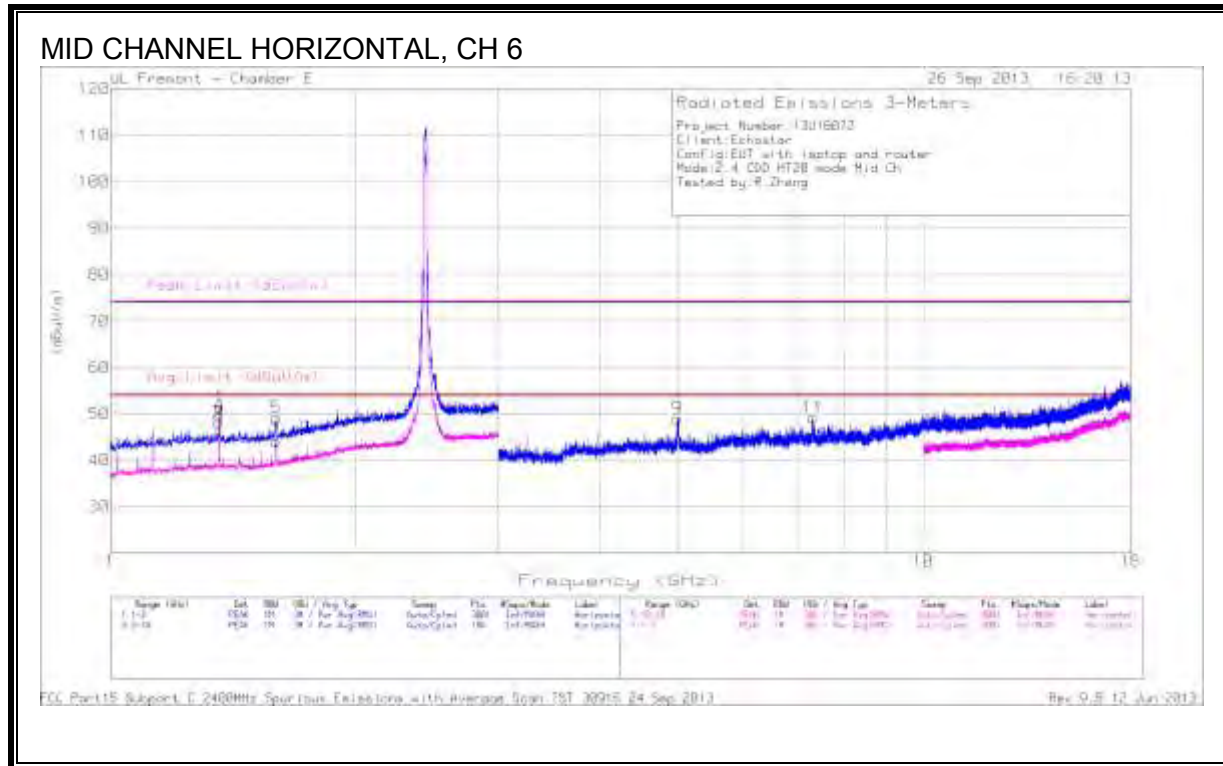
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.361	49.17	PK	29	-26.8	51.37	-	-	74	-22.63	199	H
2	1.361	53.86	PK	29	-26.8	56.06	-	-	74	-17.94	199	V
3	1.359	45.73	PK (VB)	29	-26.8	47.93	53.97	-6.04	-	-	199	H
4	1.359	51.12	PK (VB)	29	-26.8	53.32	53.97	-0.65	-	-	200	V
5	1.601	45.93	PK	29.5	-26.5	48.93	-	-	74	-25.07	199	H
6	1.597	50.21	PK	29.5	-26.6	53.11	-	-	74	-20.89	100	V
7	1.593	41.18	PK (VB)	29.4	-26.6	43.98	53.97	-9.99	-	-	199	H
8	1.599	46.67	PK (VB)	29.5	-26.5	49.67	53.97	-4.3	-	-	100	V
9	*1.997	43.04	PK	32.1	-25.4	49.74	-	-	-	-	100	V
11	2.721	45.38	PK	33.1	-24.2	54.28	-	-	74	-19.72	199	V
10	*1.999	45.92	PK (VB)	32.1	-25.3	52.72	-	-	-	-	200	V
12	2.72	39.02	PK (VB)	33.1	-24.2	47.92	53.97	-6.05	-	-	100	V
13	*3.217	47.84	PK	33.4	-32.3	48.94	-	-	-	-	199	H
15	4.987	45.23	PK	34.4	-30.9	48.73	53.97	-5.24	74	-25.27	199	H
14	*3.217	44.66	PK	33.4	-32.3	45.76	-	-	-	-	200	V
16	4.993	45.37	PK	34.4	-31	48.77	53.97	-5.20	74	-25.23	200	V

PK - Peak detector

\*Not in Restricted Bands

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)	Height (cm)	Polarity
1.599	44.62	MAv1	29.5	-26.5	47.62	53.97	-6.35	-	-	100	V
1.359	48.63	MAv1	29	-26.8	50.83	53.97	-3.14	-	-	200	V
4.989	34.53	MAv1	34.4	-30.9	38.03	53.97	-15.94	-	-	139	V
4.998	33.62	MAv1	34.4	-30.9	37.12	53.97	-16.85	-	-	136	H

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average





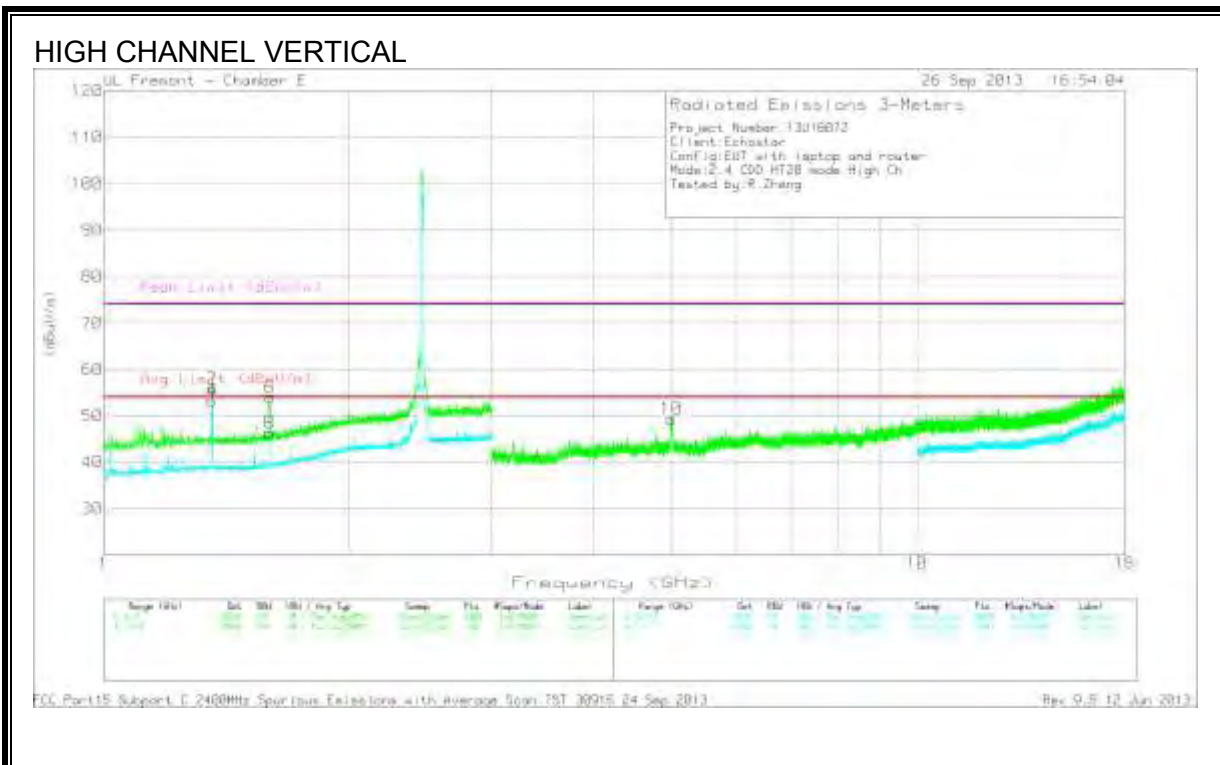
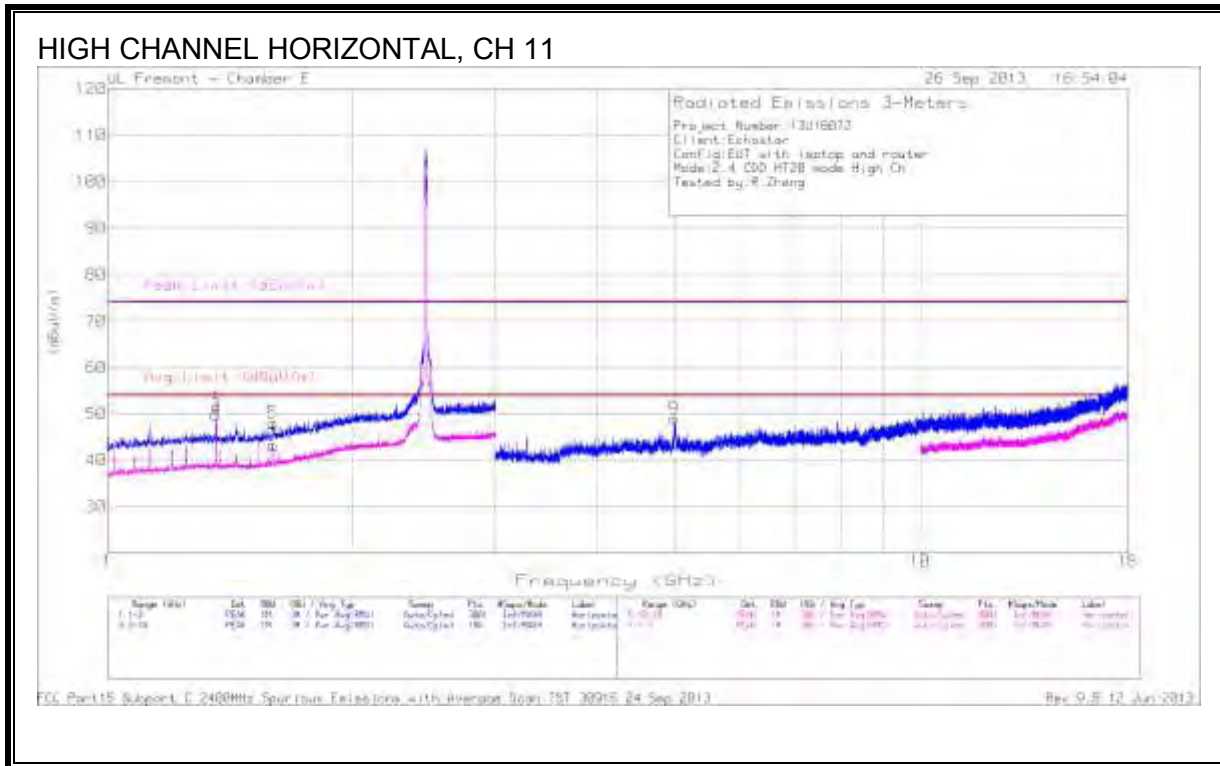
**DATA**

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)	Height (cm)	Polarity
1	1.361	49.2	PK	29	-26.8	51.4	-	-	74	-22.6	199	H
2	1.361	53.67	PK	29	-26.8	55.87	-	-	74	-18.13	199	V
3	1.359	45.73	PK (VB)	29	-26.8	47.93	53.97	-6.04	-	-	199	H
4	1.36	47.37	PK (VB)	29	-26.8	49.57	53.97	-4.40	-	-	199	V
5	1.599	46.15	PK	29.5	-26.5	49.15	-	-	74	-24.85	199	H
6	1.597	51.73	PK	29.5	-26.6	54.63	-	-	74	-19.37	100	V
7	1.598	41.07	PK (VB)	29.5	-26.5	44.07	53.97	-9.90	-	-	199	H
8	1.593	48.42	PK (VB)	29.4	-26.6	51.22	53.97	-2.75	-	-	100	V
9	4.987	45.49	PK	34.4	-30.9	48.99	53.97	-4.98	74	-25.01	199	H
11	7.308	41.35	PK	36	-28.2	49.15	53.97	-4.82	74	-24.85	199	H
10	4.991	45.65	PK	34.4	-30.9	49.15	53.97	-4.82	74	-24.85	199	V
12	7.312	41.63	PK	36	-28.2	49.43	53.97	-4.54	74	-24.57	199	V

PK - Peak detector

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)	Height (cm)	Polarity
1.36	45.35	MAv1	29	-26.8	47.55	53.97	-6.42	-	-	199	V
1.593	45.47	MAv1	29.4	-26.6	48.27	53.97	-5.70	-	-	100	V
4.905	31.52	MAv1	34.4	-30.8	35.12	53.97	-18.85	-	-	191	V
4.986	34.14	MAv1	34.4	-30.9	37.64	53.97	-16.33	-	-	181	H
7.313	33.71	MAv1	36	-28.2	41.51	53.97	-12.46	-	-	255	V
7.315	30.37	MAv1	36	-28.2	38.17	53.97	-15.8	-	-	259	H

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average



**DATA**

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)	Height (cm)	Polarity
1	1.361	49.31	PK	29	-26.8	51.51	-	-	74	-22.49	199	H
2	1.361	53.68	PK	29	-26.8	55.88	-	-	74	-18.12	200	V
3	1.36	47.49	PK (VB)	29	-26.8	49.69	53.97	-4.28	-	-	199	H
4	1.359	51.06	PK (VB)	29	-26.8	53.26	53.97	-0.71	-	-	200	V
5	1.597	45.09	PK	29.5	-26.6	47.99	-	-	74	-26.01	199	H
6	1.601	51.06	PK	29.5	-26.5	54.06	-	-	74	-19.94	100	V
7	1.599	40.17	PK (VB)	29.5	-26.5	43.17	53.97	-10.80	-	-	199	H
8	1.599	43.29	PK (VB)	29.5	-26.5	46.29	53.97	-7.68	-	-	100	V
9	4.975	45.48	PK	34.4	-30.9	48.98	53.97	-4.99	74	-25.02	199	H
10	4.989	45.86	PK	34.4	-30.9	49.36	53.97	-4.61	74	-24.64	100	V

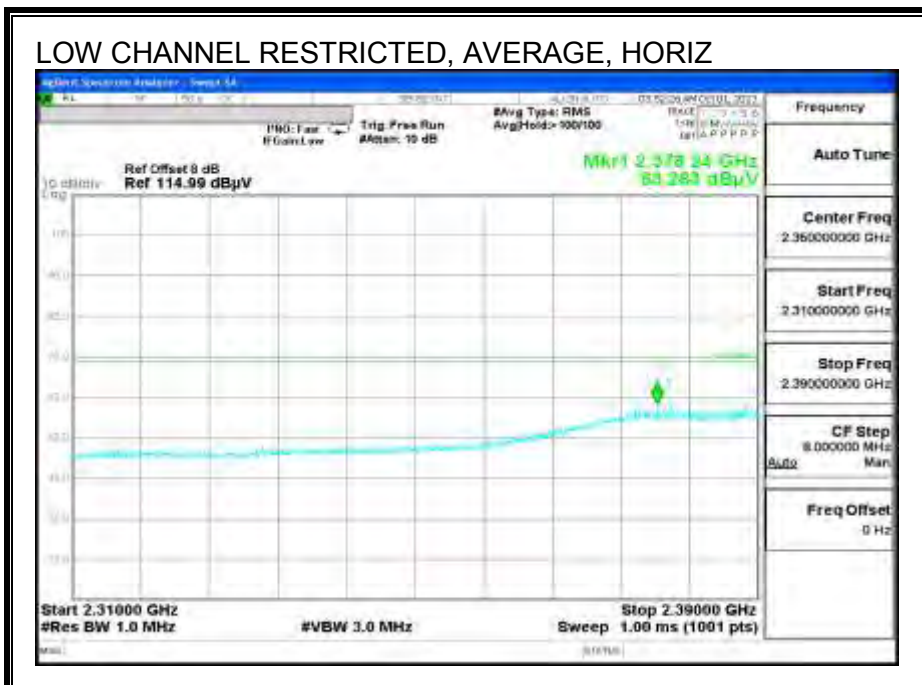
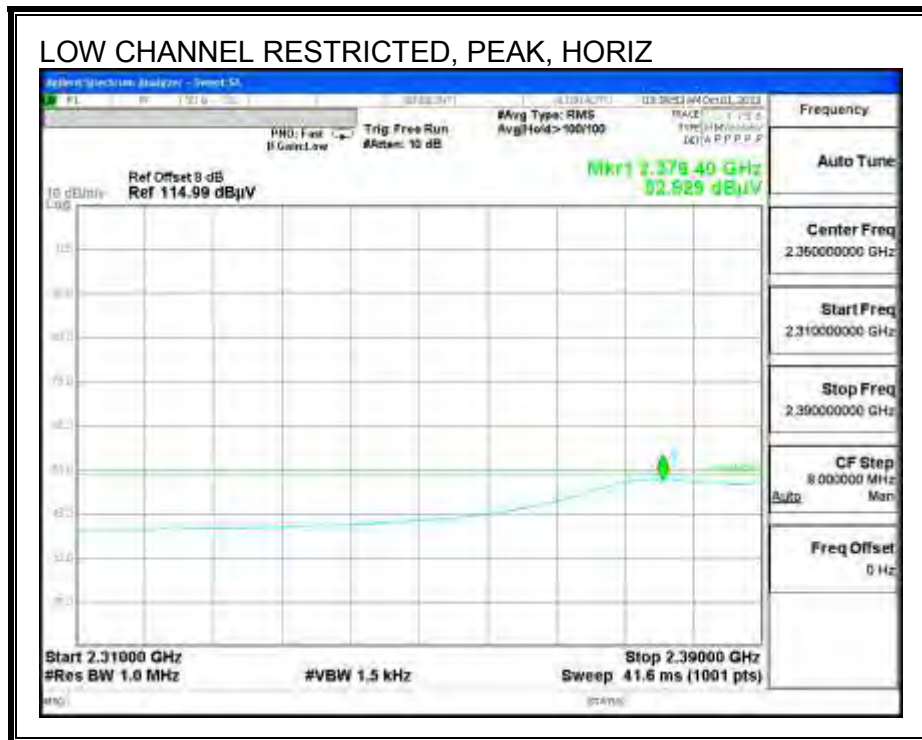
PK - Peak detector

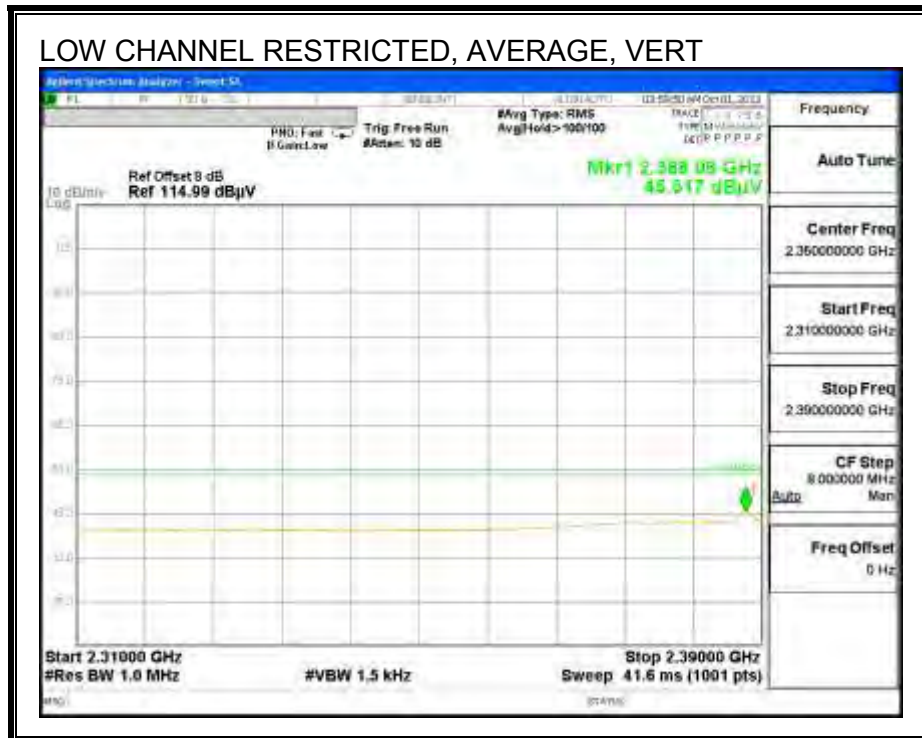
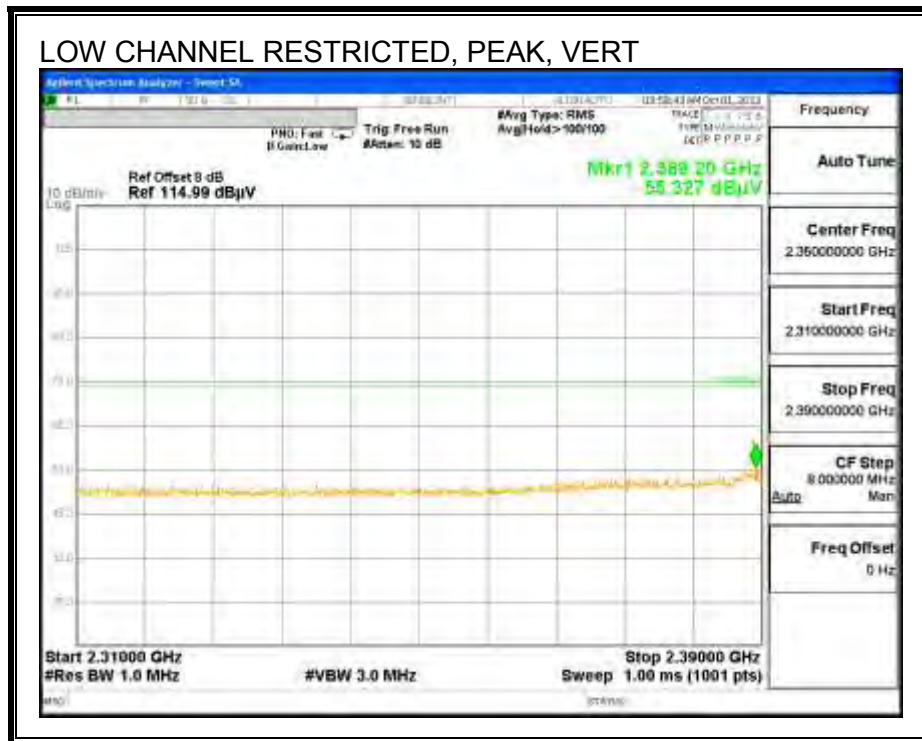
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.36	45.49	MAv1	29	-26.8	47.69	53.97	-6.28	-	-	199	H
1.359	48.04	MAv1	29	-26.8	53.24	50.97	-3.73	-	-	200	V
4.977	35.13	MAv1	34.4	-30.9	38.63	53.97	-15.34	-	-	143	H
4.991	32.38	MAv1	34.4	-30.9	35.88	53.97	-18.09	-	-	143	V
4.997	35.33	MAv1	34.4	-30.9	38.83	53.97	-15.14	-	-	259	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average

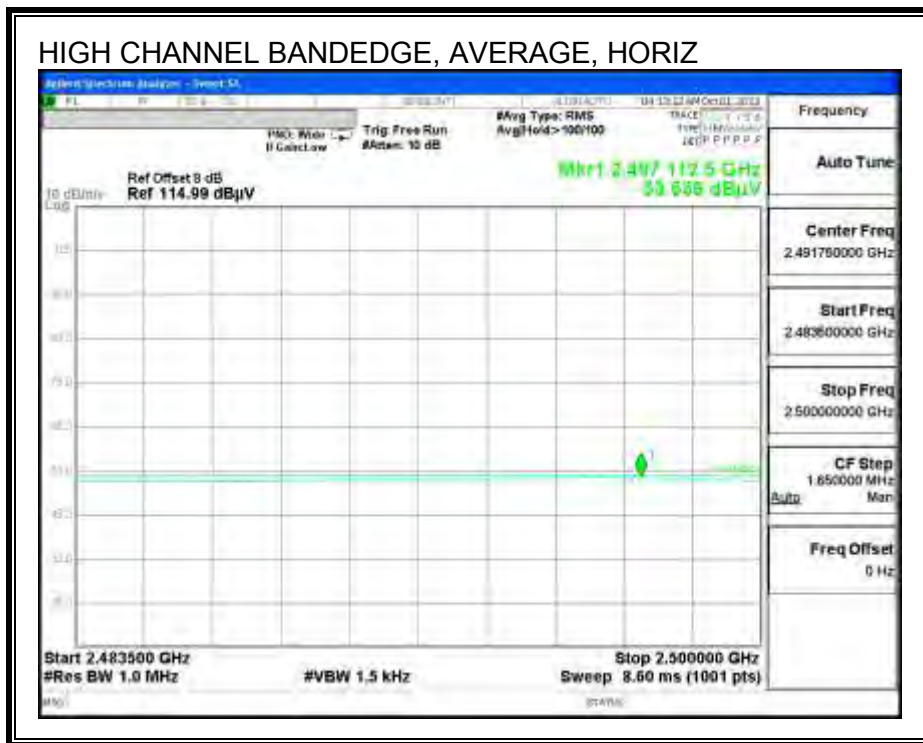
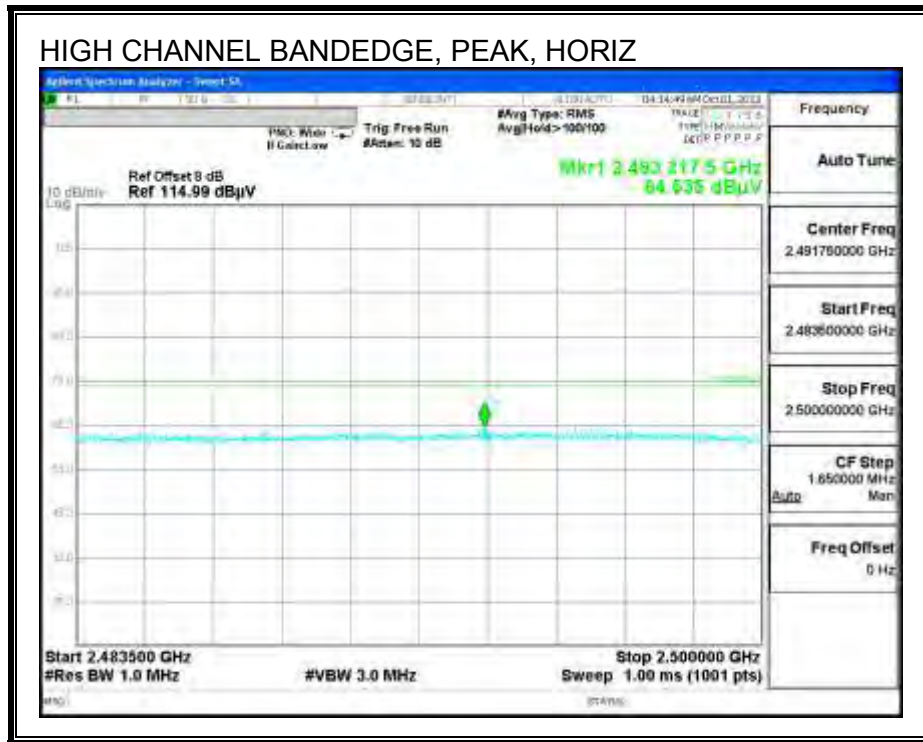
### 9.2.6. TX ABOVE 1 GHz 802.11n HT40 SISO MODE IN THE 2.4 GHz BAND

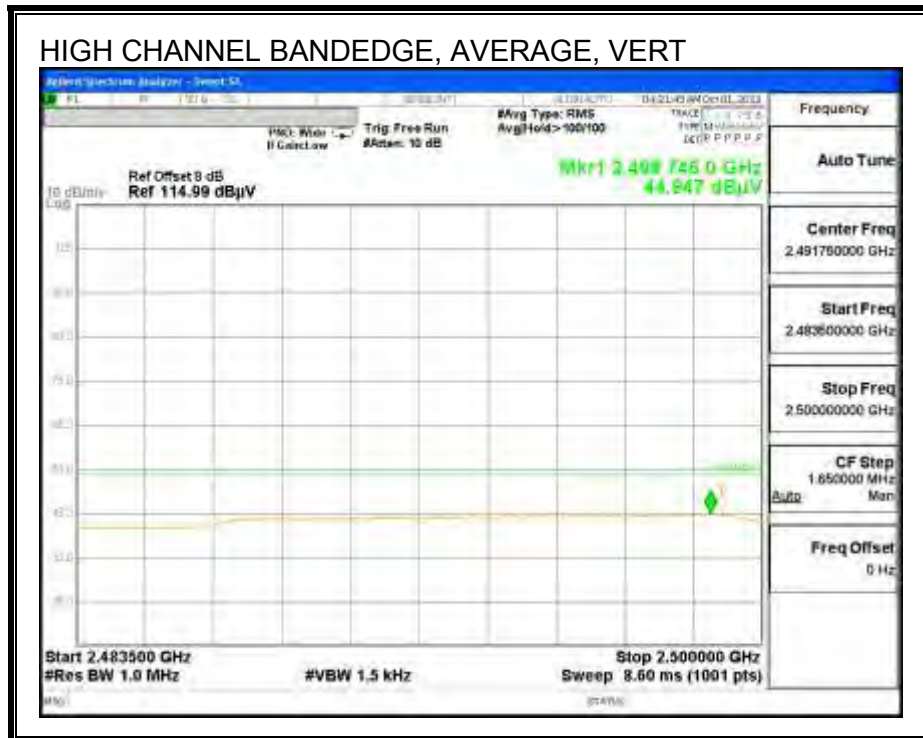
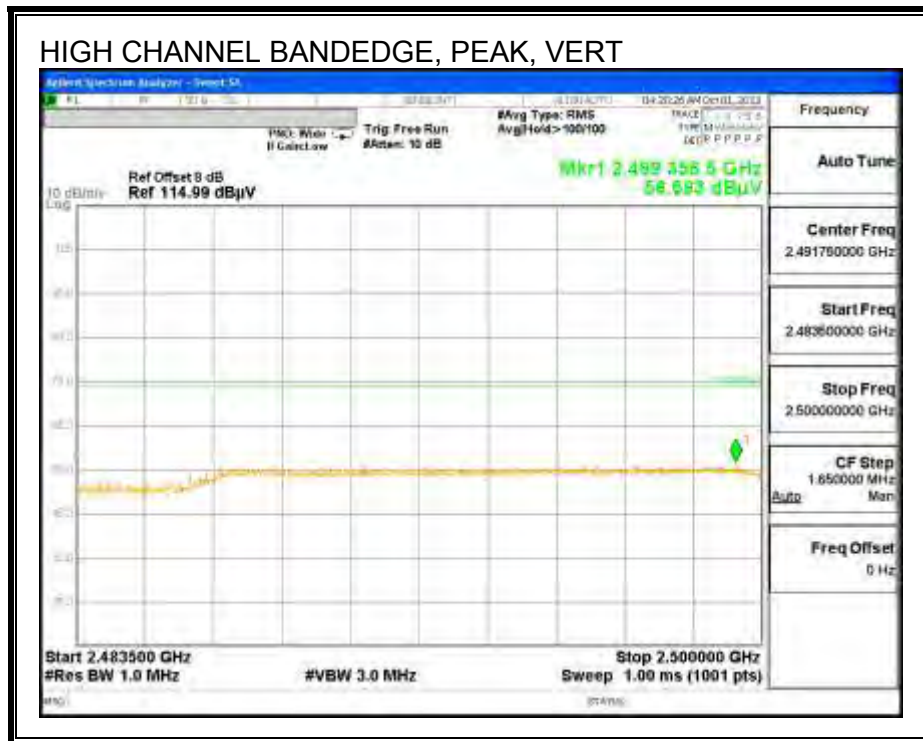
#### RESTRICTED BANEDGE (LOW CHANNEL)



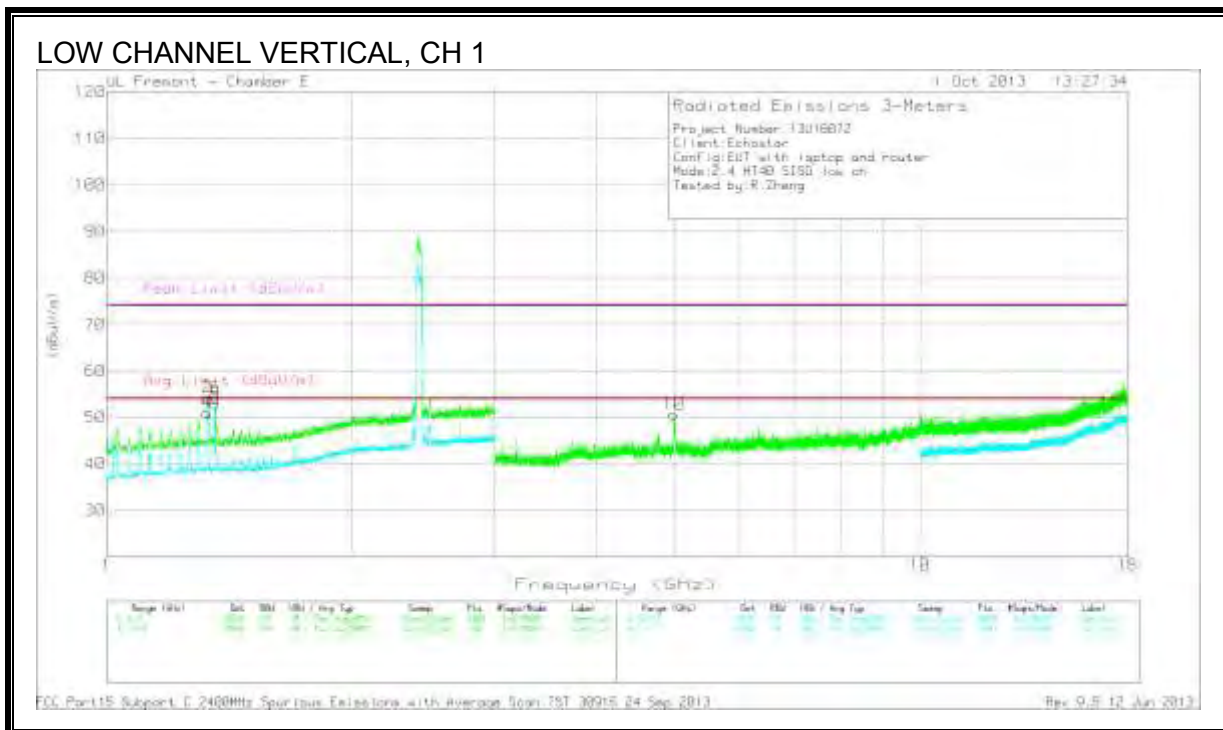
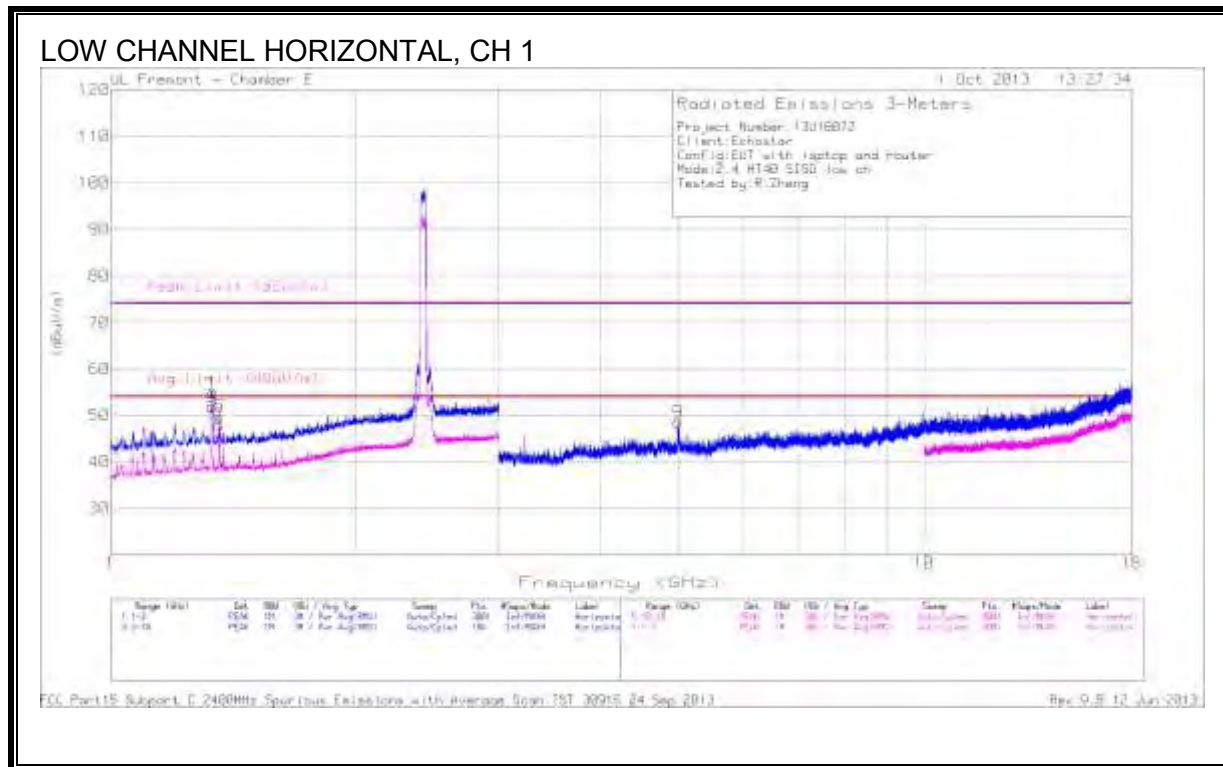


**AUTHORIZED BANDEDGE (HIGH CHANNEL)**





**HARMONICS AND SPURIOUS EMISSIONS**





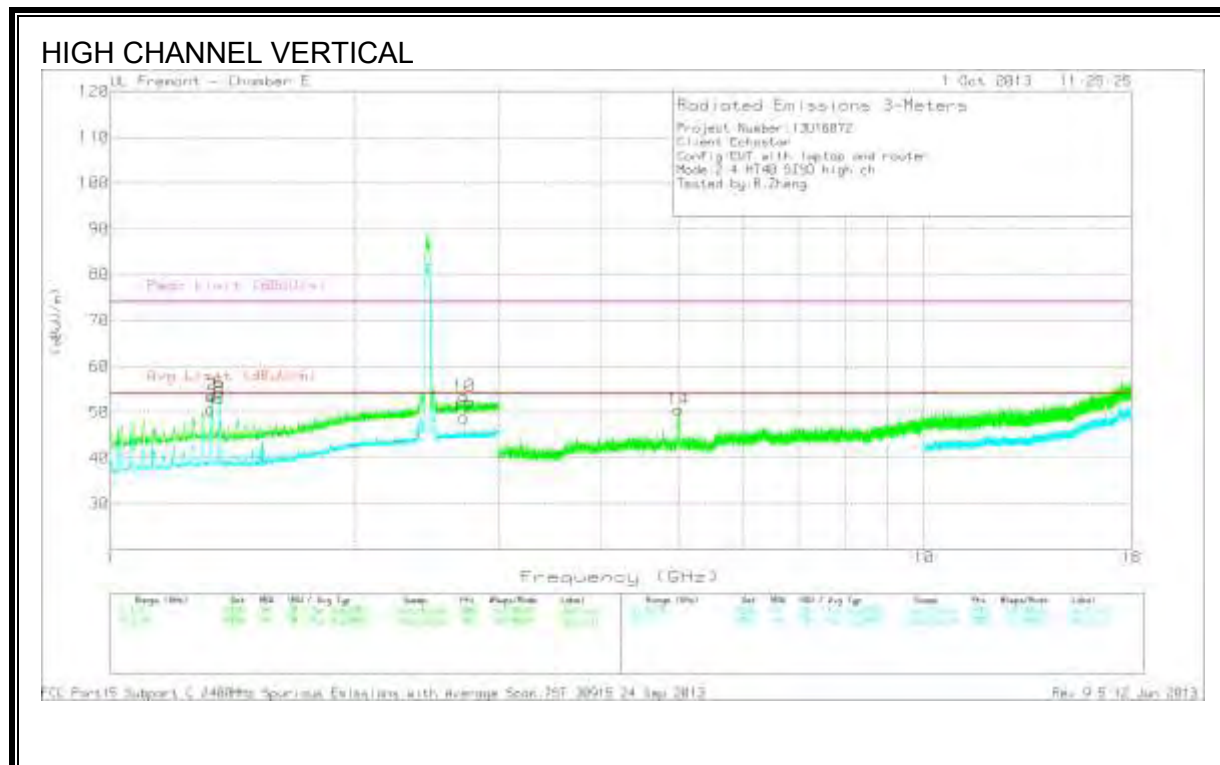
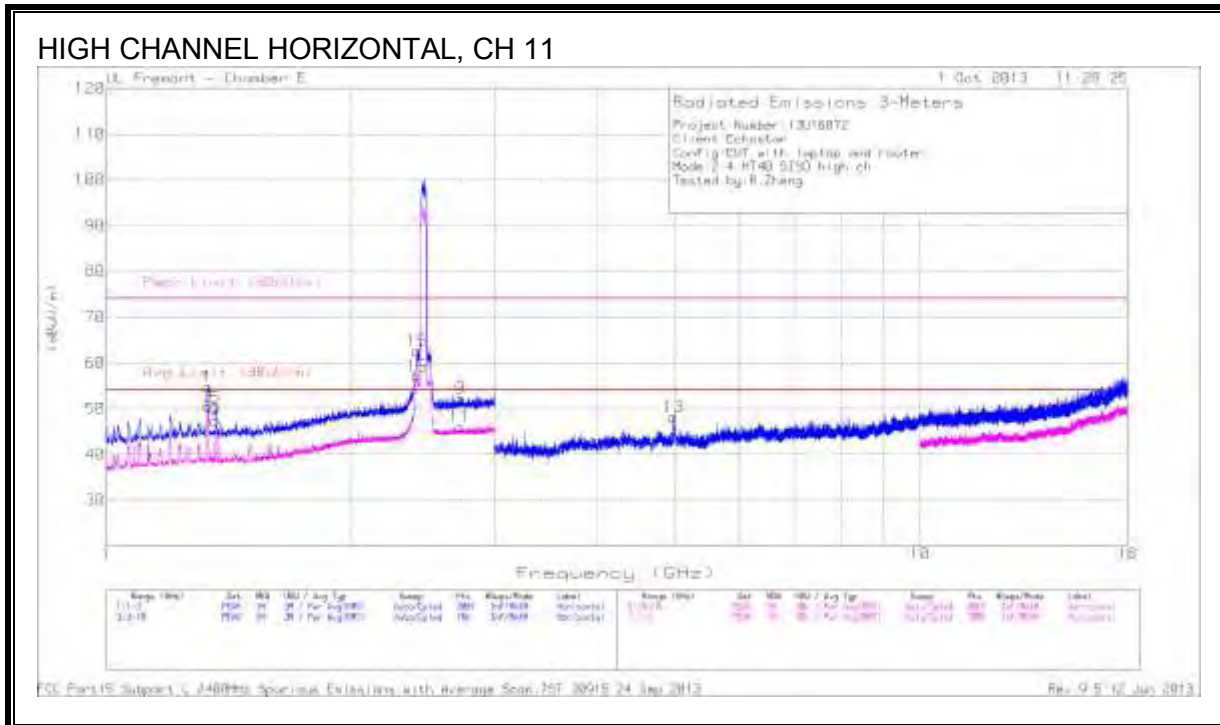
**DATA**

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)	Height (cm)	Polarity
1	1.333	52.63	PK	29.1	-26.9	54.83	-	-	74	-19.17	199	H
2	1.329	52.06	PK	29.1	-26.9	54.26	-	-	74	-19.74	100	V
3	1.332	49.72	PK (VB)	29.1	-26.9	51.92	53.97	-2.05	-	-	199	H
4	1.327	48.77	PK (VB)	29.1	-26.9	50.97	53.97	-3.00	-	-	100	V
5	1.361	47.51	PK	29	-26.8	49.71	-	-	74	-24.29	199	H
6	1.361	51.98	PK	29	-26.8	54.18	-	-	74	-19.82	199	V
7	1.36	45.63	PK (VB)	29	-26.8	47.83	53.97	-6.14	-	-	199	H
8	1.36	50.74	PK (VB)	29	-26.8	52.94	53.97	-1.03	-	-	200	V
9	4.99	45.02	PK	34.4	-30.9	48.52	53.97	-5.45	74	-25.48	100	H
10	4.975	47.08	PK	34.4	-30.9	50.58	53.97	-3.39	74	-23.42	100	V

PK - Peak detector

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)	Height (cm)	Polarity
1.332	46.52	MAv1	29.1	-26.9	48.72	53.97	-5.25	-	-	199	H
1.327	46.74	MAv1	29.1	-26.9	48.94	53.97	-5.03	-	-	100	V
1.36	47.76	MAv1	29	-26.8	48.96	53.97	-4.01	-	-	200	V
4.982	34.19	MAv1	34.4	-30.9	38.29	53.97	-15.68	-	-	281	V
4.997	36.8	MAv1	34.4	-31	40.8	53.97	-13.17	-	-	251	H

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average



**DATA**

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)	Height (cm)	Polarity
1	1.333	52.65	PK	29.1	-26.9	54.85	-	-	74	-19.15	199	H
2	1.333	51.58	PK	29.1	-26.9	53.78	-	-	74	-20.22	199	V
3	1.333	48.38	PK (VB)	29.1	-26.9	50.58	53.97	-3.39	-	-	199	H
4	1.328	48.40	PK (VB)	29.1	-26.9	50.60	53.97	-3.37	-	-	200	V
5	1.361	48.01	PK	29.0	-26.8	50.21	-	-	74	-23.79	199	H
6	1.361	52.03	PK	29.0	-26.8	54.23	-	-	74	-19.77	199	V
7	1.360	45.25	PK (VB)	29.0	-26.8	47.45	53.97	-6.52	-	-	199	H
8	1.360	50.75	PK (VB)	29.0	-26.8	52.95	53.97	-1.02	-	-	200	V
9	2.723	43.31	PK	33.1	-24.2	52.21	-	-	74	-21.79	100	H
10	2.721	44.52	PK	33.1	-24.2	53.42	-	-	74	-20.58	100	V
11	2.720	37.04	PK (VB)	33.1	-24.2	45.94	53.97	-8.03	-	-	199	H
12	2.720	39.00	PK (VB)	33.1	-24.2	47.90	53.97	-6.07	-	-	100	V
13	4.976	44.66	PK	34.4	-30.9	48.16	53.97	-5.81	74	-25.84	199	H
14	4.992	47.17	PK	34.4	-31.0	50.57	53.97	-3.40	74	-23.43	100	V
15	*2.407	54.89	PK	32.6	-24.9	62.59	-	-	-	-	199	H
16	*2.408	49.46	PK (VB)	32.6	-24.9	57.16	-	-	-	-	199	H

PK - Peak detector

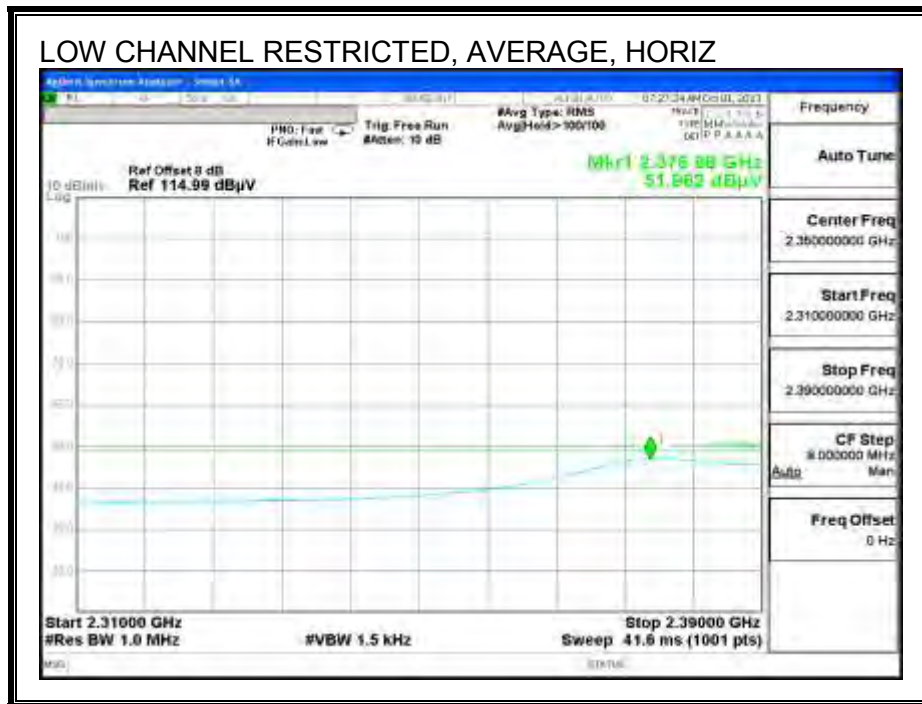
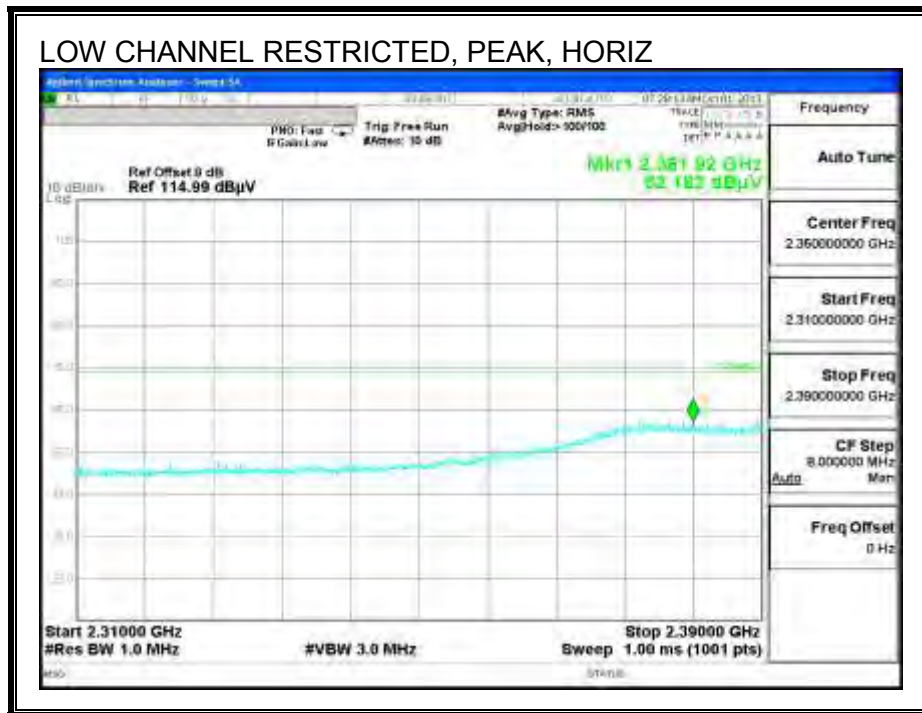
\*Not in restricted band

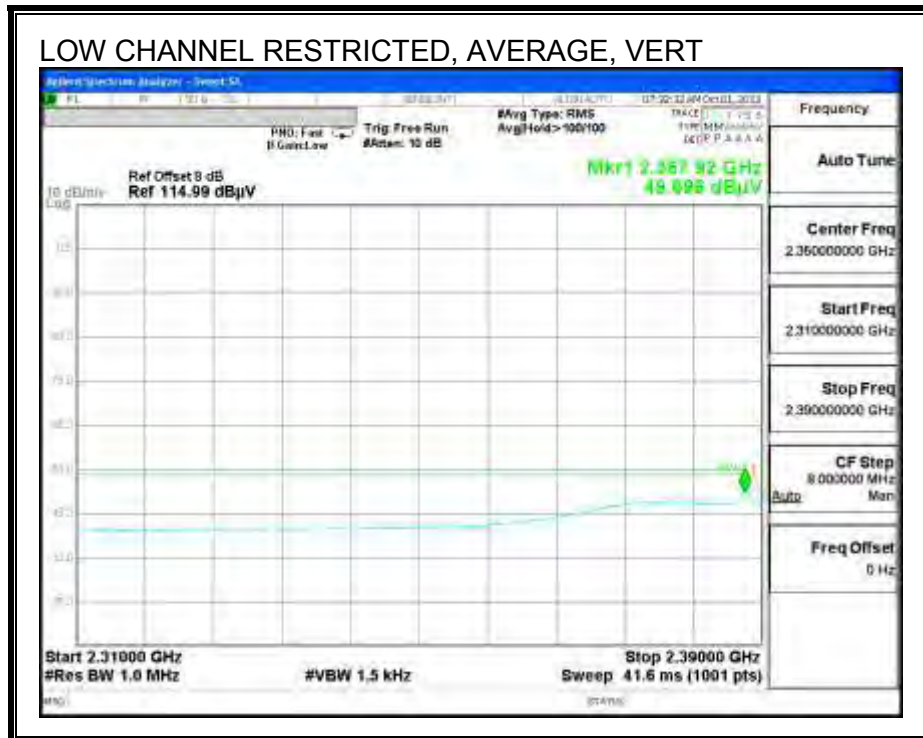
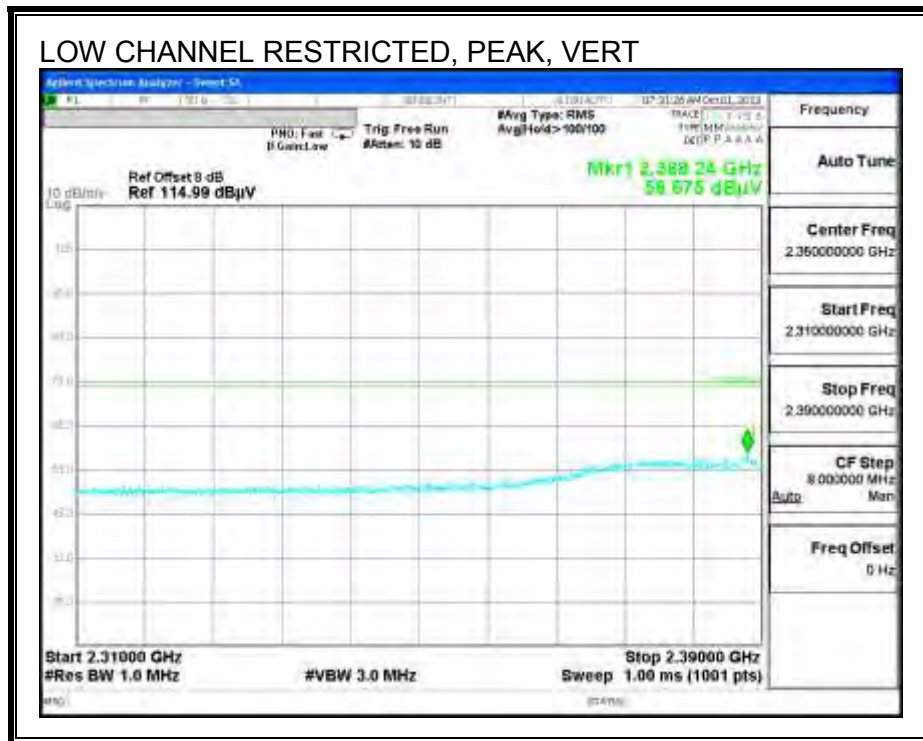
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.333	45.42	MAv1	29.1	-26.9	47.62	53.97	-6.35	-	-	199	H
1.328	46.40	MAv1	29.1	-26.9	48.64	53.97	-5.33	-	-	200	V
1.360	47.76	MAv1	29.0	-26.8	49.96	53.97	-4.01	-	-	200	V
4.982	34.39	MAv1	34.4	-30.9	37.89	53.97	-16.08	-	-	135	H
4.983	33.28	MAv1	34.4	-30.9	36.78	53.97	-17.19	-	-	116	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average

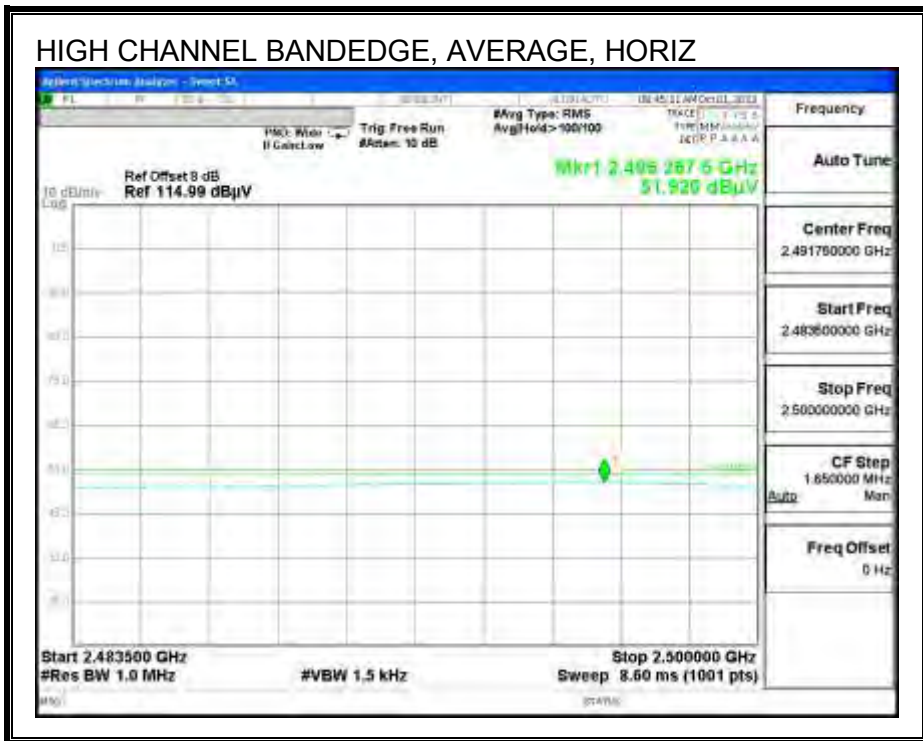
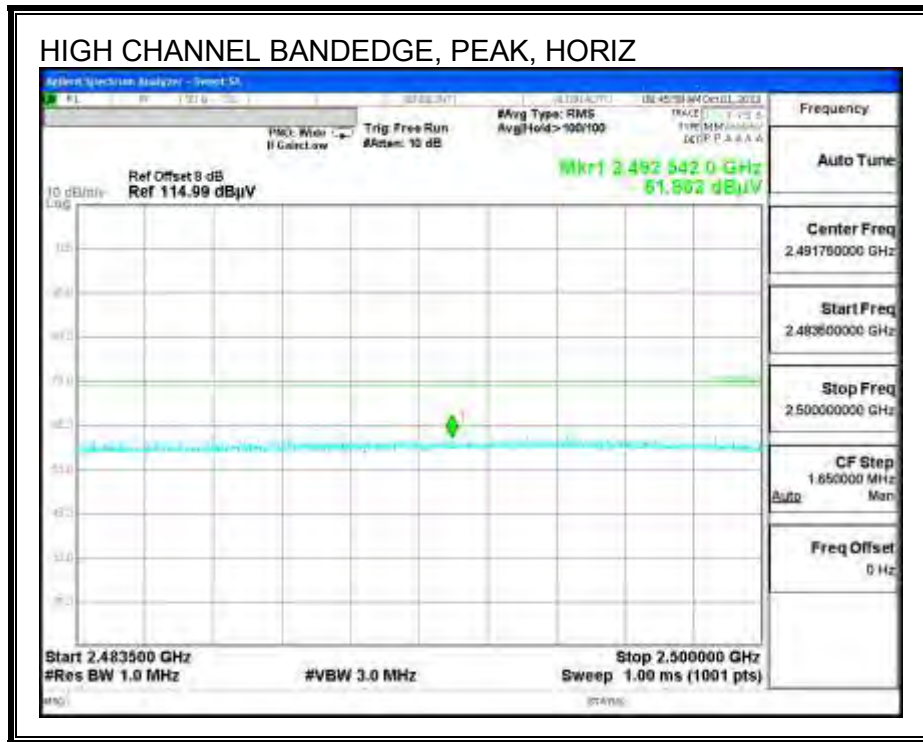
### 9.2.7. TX ABOVE 1 GHz 802.11n HT40 2TX CDD MODE IN THE 2.4 GHz BAND

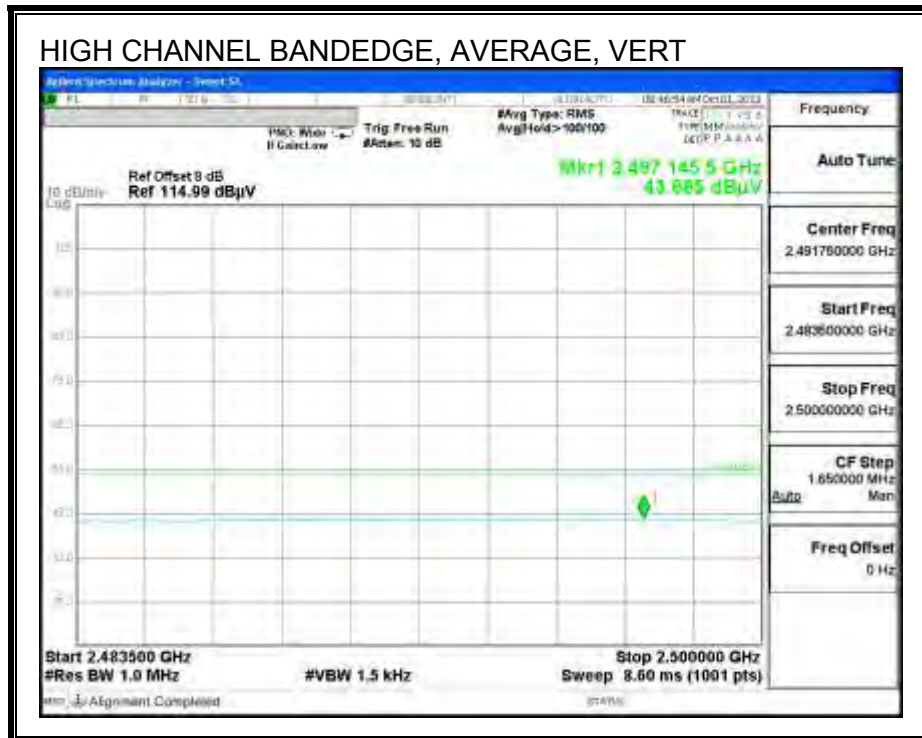
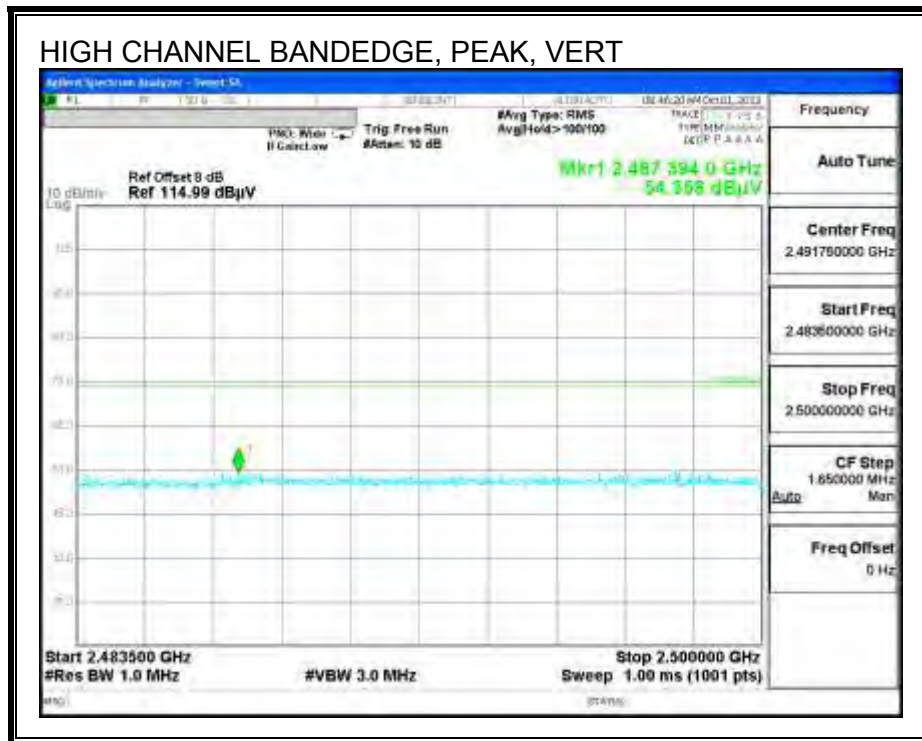
#### RESTRICTED BANEDGE (LOW CHANNEL)





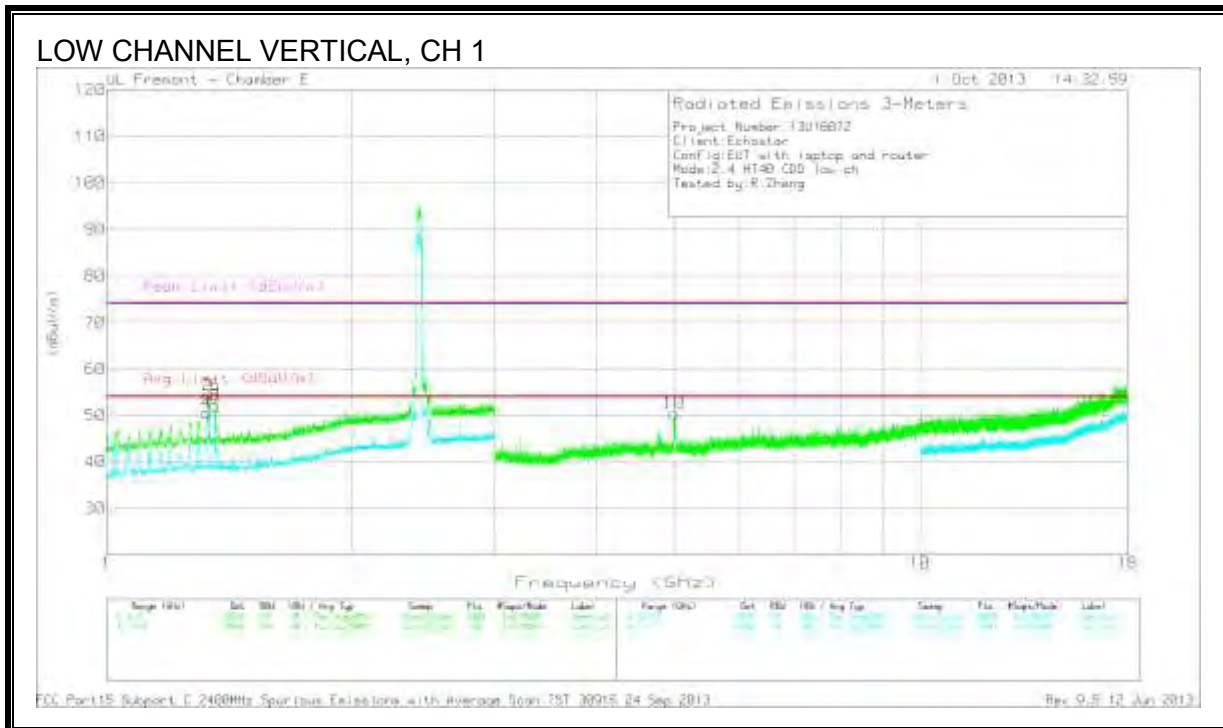
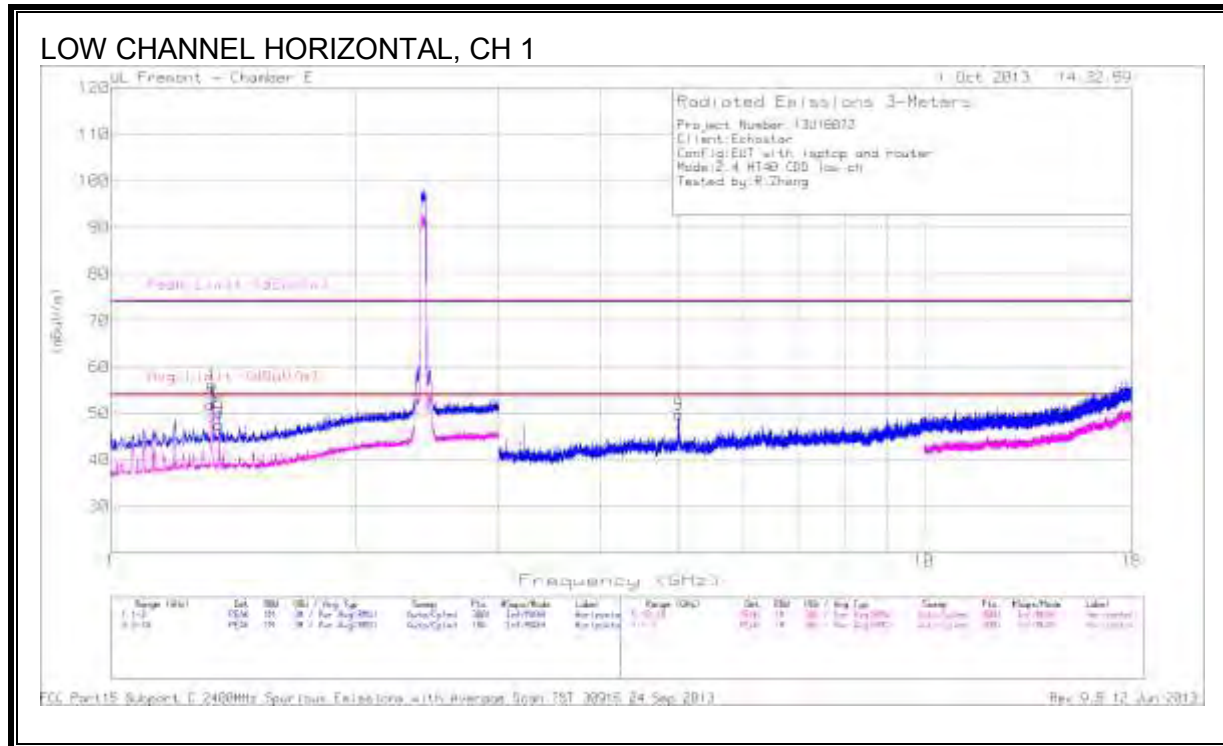
**AUTHORIZED BANDEGE (HIGH CHANNEL)**







**HARMONICS AND SPURIOUS EMISSIONS**



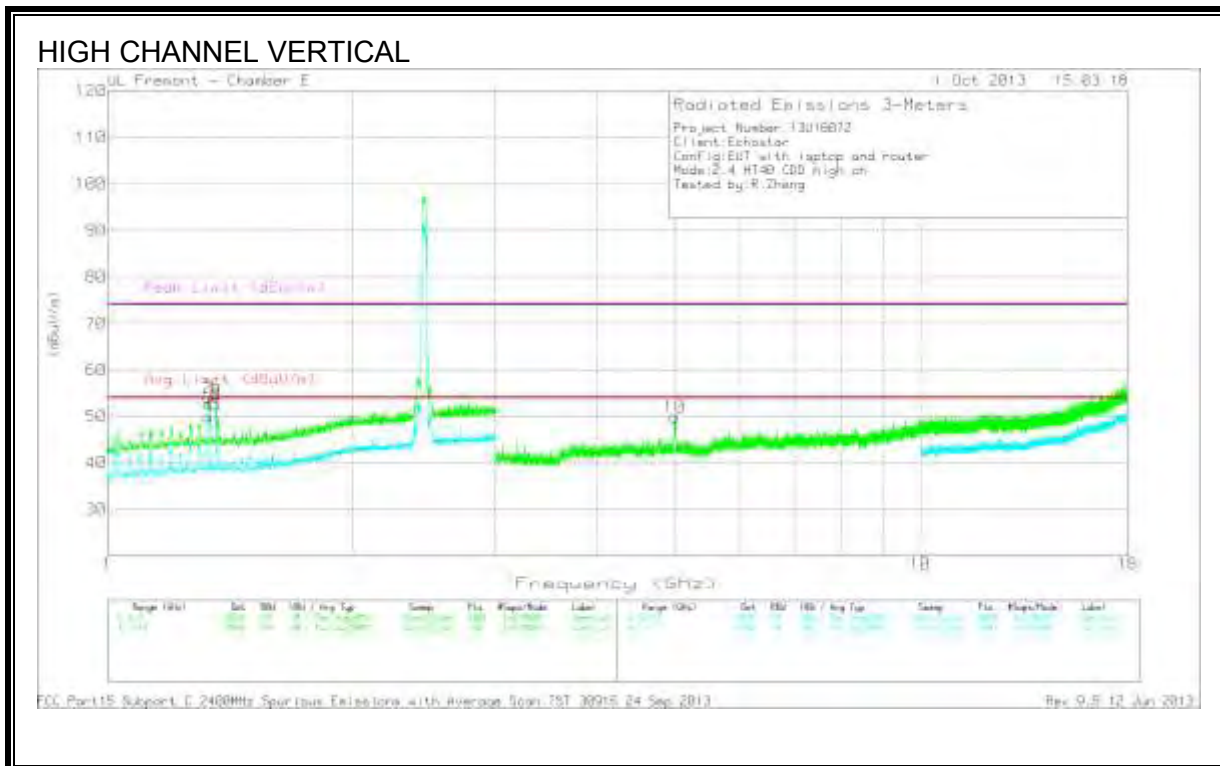
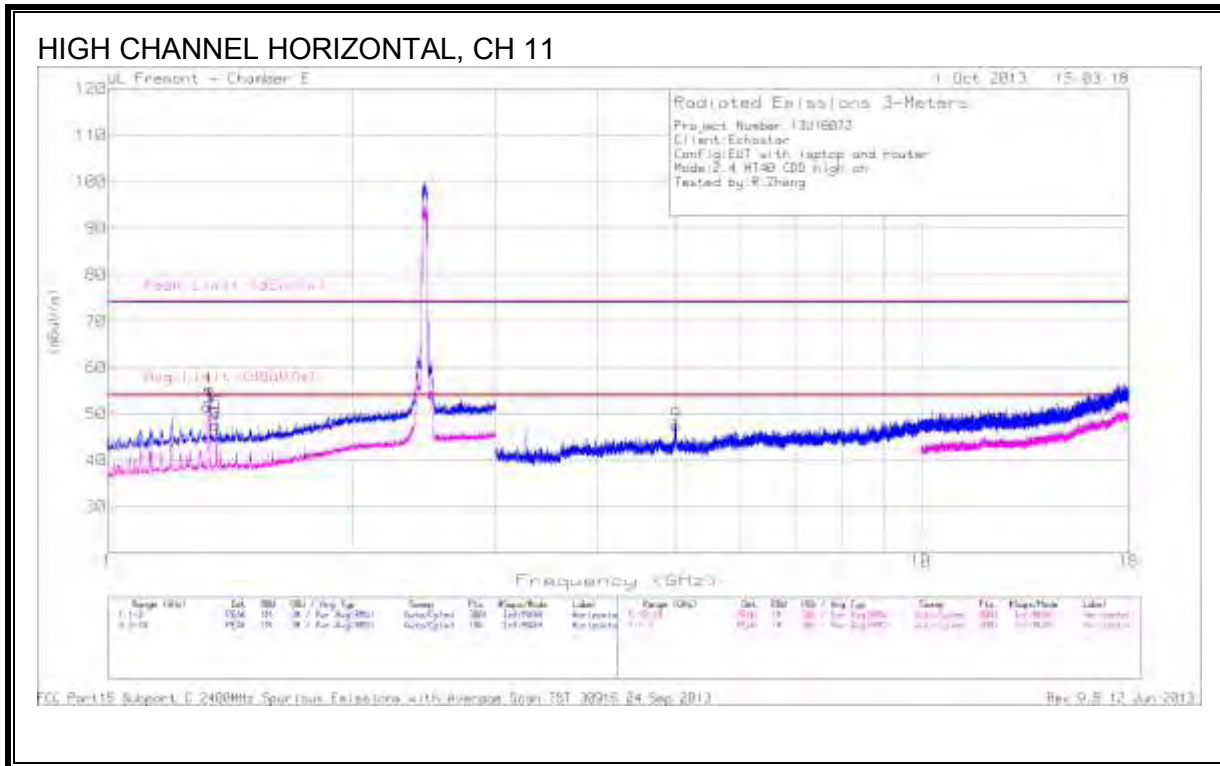
**DATA**

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)	Height (cm)	Polarity
1	1.333	53.79	PK	29.1	-26.9	55.99	-	-	74	-18.01	199	H
2	1.331	52.03	PK	29.1	-26.9	54.23	-	-	74	-19.77	100	V
3	1.328	49.83	PK (VB)	29.1	-26.9	52.03	53.97	-1.94	-	-	199	H
4	1.327	48.25	PK (VB)	29.1	-26.9	50.45	53.97	-3.52	-	-	101	V
5	1.361	47.77	PK	29.0	-26.8	49.97	-	-	74	-24.03	199	H
6	1.361	52.09	PK	29.0	-26.8	54.29	-	-	74	-19.71	199	V
7	1.360	45.28	PK (VB)	29.0	-26.8	47.48	53.97	-6.49	-	-	199	H
8	1.360	49.87	PK (VB)	29.0	-26.8	52.07	53.97	-1.90	-	-	199	V
9	4.992	46.36	PK	34.4	-31	49.76	53.97	-4.21	74	-24.24	199	H
10	4.983	46.86	PK	34.4	-30.9	50.36	53.97	-3.61	74	-23.64	100	V

PK - Peak detector

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)	Height (cm)	Polarity
1.328	46.83	MAv1	29.1	-26.9	49.03	53.97	-4.94	-	-	199	H
1.327	45.25	MAv1	29.1	-26.9	47.45	53.97	-6.52	-	-	101	V
1.360	46.87	MAv1	29.0	-26.8	54907	53.97	-4.90	-	-	199	V
4.997	36.32	MAv1	34.4	-30.9	40.42	53.97	-13.55	-	-	161	H
4.998	34.65	MAv1	34.4	-30.9	38.75	53.97	-15.22	-	-	202	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average



**DATA**

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)	Height (cm)	Polarity
1	1.333	53.23	PK	29.1	-26.9	55.43	-	-	74	-18.57	199	H
2	1.329	51.74	PK	29.1	-26.9	53.94	-	-	74	-20.06	100	V
3	1.327	49.26	PK (VB)	29.1	-26.9	51.46	53.97	-2.51	-	-	199	H
4	1.329	47.75	PK (VB)	29.1	-26.9	49.95	53.97	-4.02	-	-	100	V
5	1.361	47.89	PK	29.0	-26.8	50.09	-	-	74	-23.91	199	H
6	1.361	52.25	PK	29.0	-26.8	54.45	-	-	74	-19.55	200	V
7	1.360	45.27	PK (VB)	29.0	-26.8	47.47	53.97	-6.50	-	-	100	H
8	1.360	50.41	PK (VB)	29.0	-26.8	52.61	53.97	-1.36	-	-	200	V
9	4.997	44.10	PK	34.4	-31.0	47.50	53.97	-6.47	74	-26.5	199	H
10	4.987	46.38	PK	34.4	-30.9	49.88	53.97	-4.09	74	-24.12	100	V

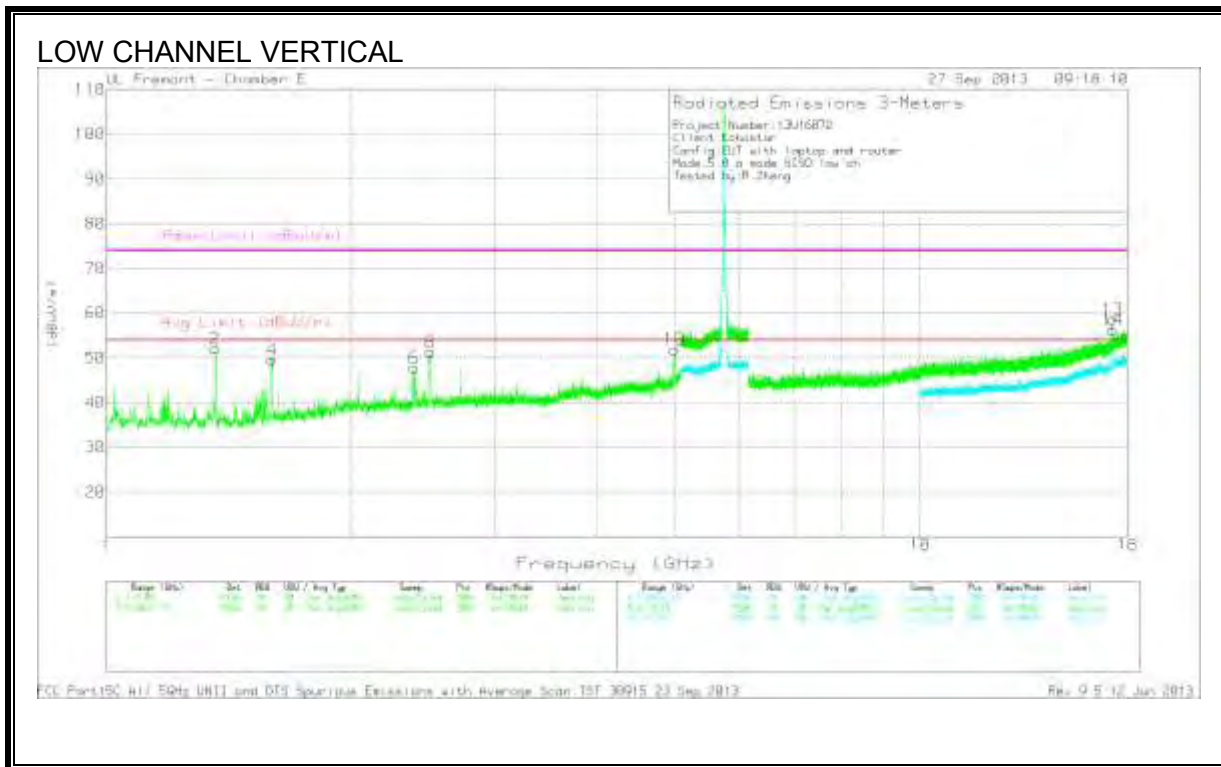
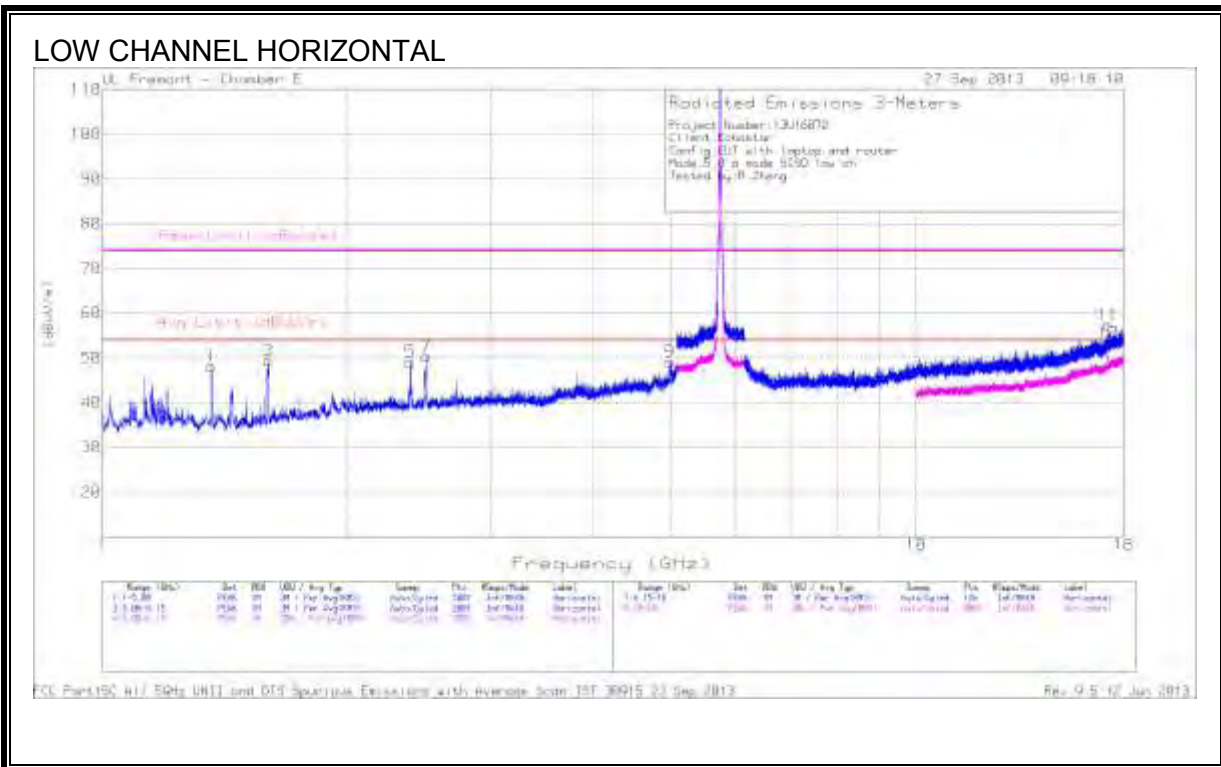
PK - Peak detector

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)	Height (cm)	Polarity
1.327	46.27	MAv1	29.1	-26.9	48.47	53.97	-5.50	-	-	199	H
1.329	44.76	MAv1	29.1	-26.9	46.96	53.97	-7.01	-	-	100	V
1.360	47.40	MAv1	29.0	-26.8	49.60	53.97	-4.37	-	-	200	V
4.989	34.07	MAv1	34.4	-30.9	38.17	53.97	-15.8	-	-	358	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average

### 9.2.8. TX ABOVE 1 GHz 802.11a SISO MODE IN THE 5.8 GHz BAND

#### HARMONICS AND SPURIOUS EMISSIONS



**DATA**

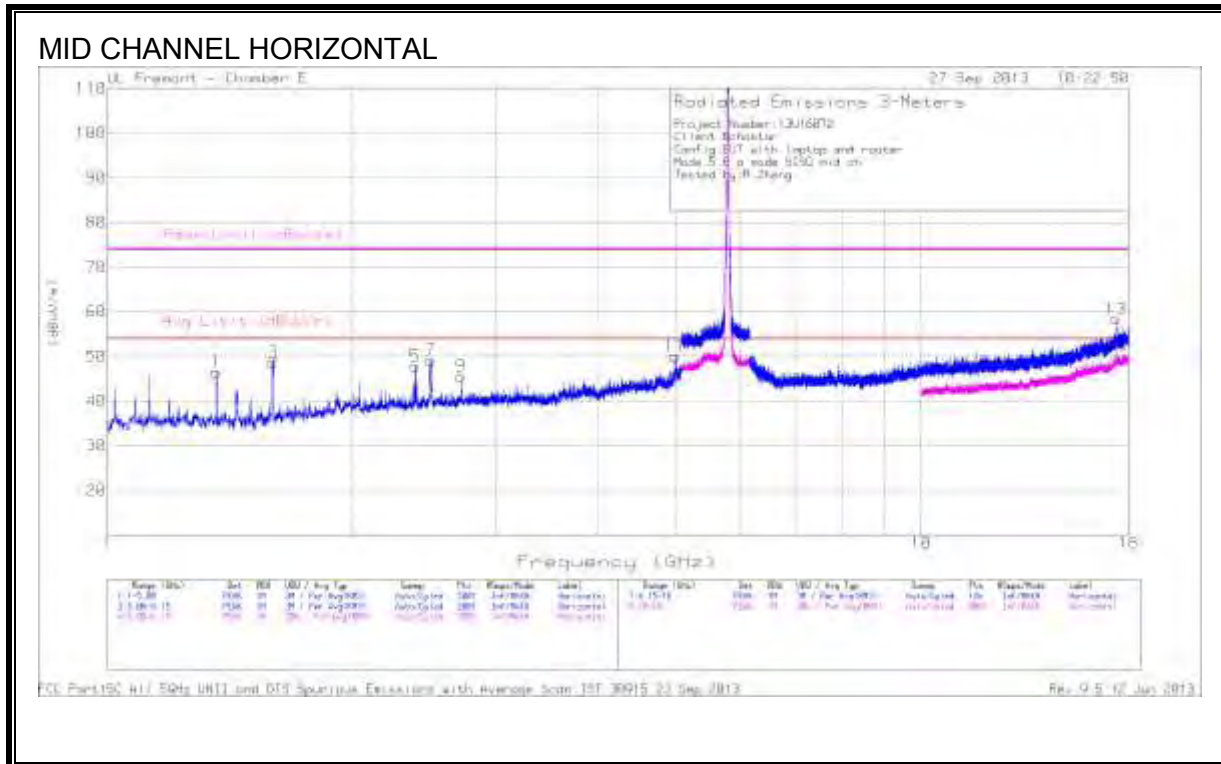
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.361	53.38	PK	29	-34.3	48.08	53.97	-5.89	74	-25.92	199	H
2	1.361	57.35	PK	29	-34.3	52.05	53.97	-1.92	74	-21.95	100	V
3	1.601	53.89	PK	29.5	-34	49.39	53.97	-4.58	74	-24.61	199	H
4	1.598	54.14	PK	29.5	-34	49.64	53.97	-4.33	74	-24.36	200	V
5	2.39	49.85	PK	32.6	-33.4	49.05	53.97	-4.92	74	-24.95	100	H
6	2.389	48.63	PK	32.6	-33.5	47.73	53.97	-6.24	74	-26.27	100	V
7	2.499	49.88	PK	32.7	-32.3	50.28	53.97	-3.69	74	-23.72	199	H
8	2.5	50.94	PK	32.7	-32.3	51.34	53.97	-2.63	74	-22.66	100	V
9	4.981	44.36	PK	34.4	-29.6	49.16	53.97	-4.81	74	-24.84	199	H
10	4.989	46.9	PK	34.4	-29.4	51.9	53.97	-2.07	74	-22.1	100	V
11	*17.227	37.22	PK	41.4	-21.3	57.32	-	-	74	-16.68	199	H
12	*17.236	33.24	PK	41.4	-21.3	53.34	-	-	74	-20.66	199	H
13	*17.231	38.59	PK	41.4	-21.3	58.69	-	-	74	-15.31	199	V
14	*17.241	36.21	PK	41.4	-21.3	56.31	-	-	74	-17.69	200	V

PK - Peak detector

\*Not in restricted band

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)	Height (cm)	Polarity
1.360	53.21	MAv1	29	-34.3	47.91	53.97	-6.06	-	-	271	H
1.360	54.60	MAv1	29	-34.3	49.3	53.97	-4.67	-	-	296	V
1.592	35.06	MAv1	29.4	-34.2	30.26	53.97	-23.71	-	-	341	H
1.594	43.06	MAv1	29.4	-34.1	38.36	53.97	-15.61	-	-	309	V
2.388	39.10	MAv1	32.6	-33.5	38.20	53.97	-15.77	-	-	152	H
2.499	39.25	MAv1	32.7	-32.3	39.65	53.97	-14.32	-	-	283	H
2.499	38.74	MAv1	32.7	-32.3	39.14	53.97	-14.83	-	-	179	V
4.982	33.61	MAv1	34.4	-29.6	38.41	53.97	-15.56	-	-	349	H
4.990	36.00	MAv1	34.4	-29.3	41.10	53.97	-12.87	-	-	116	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average





**DATA**

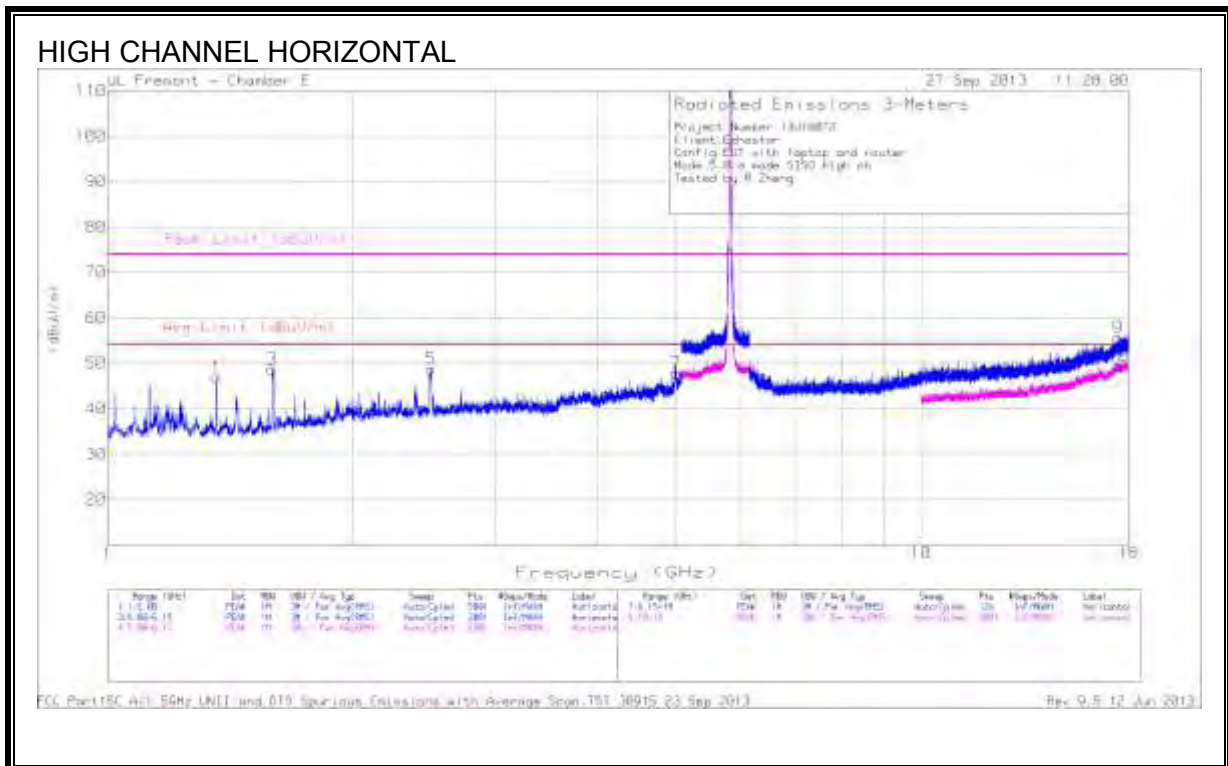
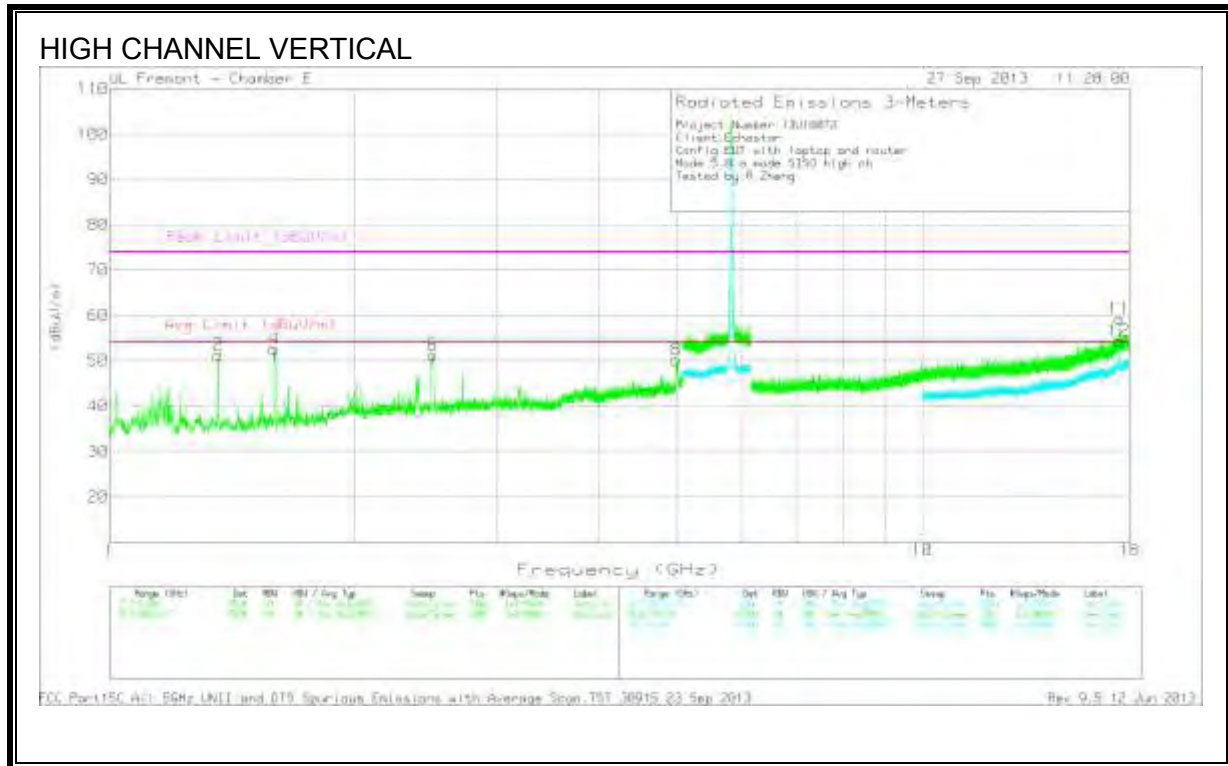
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5 GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.361	51.85	PK	29.0	-34.3	46.55	53.97	-7.42	74	-27.45	100	H
2	1.361	56.16	PK	29.0	-34.3	50.86	53.97	-3.11	74	-23.14	200	V
3	1.598	53.17	PK	29.5	-34	48.67	53.97	-5.30	74	-25.33	199	H
4	1.596	57.25	PK	29.5	-34.1	52.65	53.97	-1.32	74	-21.35	100	V
5	2.389	48.72	PK	32.6	-33.5	47.82	53.97	-6.15	74	-26.18	100	H
6	2.389	49.14	PK	32.6	-33.5	48.24	53.97	-5.73	74	-25.76	100	V
7	2.496	48.81	PK	32.7	-32.3	49.21	53.97	-4.76	74	-24.79	100	H
8	2.488	51.61	PK	32.7	-32.4	51.91	53.97	-2.06	74	-22.09	100	V
9	2.721	45.01	PK	33.1	-32.5	45.61	53.97	-8.36	74	-28.39	100	H
10	2.721	47.78	PK	33.1	-32.5	48.38	53.97	-5.59	74	-25.62	200	V
11	4.987	45.06	PK	34.4	-29.4	50.06	53.97	-3.91	74	-23.94	199	H
12	4.993	45.91	PK	34.4	-29.2	51.11	53.97	-2.86	74	-22.89	100	V
13	*17.356	37.31	PK	41.6	-20.6	58.31	-	-	-	-	199	H
14	*17.410	28.29	30K	41.7	-20.2	49.79	-	-	-	-	100	H
15	*17.356	39.24	PK	41.6	-20.6	60.24	-	-	-	-	200	V
16	*17.358	35.18	30K	41.6	-20.6	56.18	-	-	-	-	200	V

PK - Peak detector

\*Not in Restricted Band

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5 GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.360	54.81	MAv1	29	-34.3	49.51	53.97	-4.46	-	-	200	V
1.579	38.1	MAv1	29.3	-34.3	33.1	53.97	-20.87	-	-	242	V
1.594	41.55	MAv1	29.4	-34.1	36.85	53.97	-17.12	-	-	230	H
2.388	42.1	MAv1	32.6	-33.5	41.2	53.97	-12.77	-	-	248	V
2.490	38.03	MAv1	32.7	-32.4	38.33	53.97	-15.64	-	-	350	V
2.499	39.25	MAv1	32.7	-32.3	39.65	53.97	-14.32	-	-	260	H
2.720	45.75	MAv1	33.1	-32.5	46.35	53.97	-7.62	-	-	120	V
4.995	34.35	MAv1	34.4	-29.2	39.55	53.97	-14.42	-	-	108	V
4.998	33.97	MAv1	34.4	-29.1	39.27	53.97	-14.7	-	-	229	H

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average



**DATA**

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)	Height (cm)	Polarity
1	1.361	52.28	PK	29	-34.3	46.98	53.97	-6.99	74	-27.02	100	H
2	1.361	56.69	PK	29	-34.3	51.39	53.97	-2.58	74	-22.61	100	V
3	1.594	53.43	PK	29.4	-34.1	48.73	53.97	-5.24	74	-25.27	199	H
4	1.594	57.32	PK	29.4	-34.1	52.62	53.97	-1.35	74	-21.38	100	V
5	2.499	48.44	PK	32.7	-32.3	48.84	53.97	-5.13	74	-25.16	100	H
6	2.499	50.85	PK	32.7	-32.3	51.25	53.97	-2.72	74	-22.75	100	V
7	4.999	42.51	PK	34.4	-29.1	47.81	53.97	-6.16	74	-26.19	199	H
8	4.979	45.62	PK	34.4	-29.8	50.22	53.97	-3.75	74	-23.78	100	V
9	*17.47	33.57	PK	41.8	-19.8	55.57	-	-	-	-	199	H
10	*17.512	28.30	PK	41.8	-20.6	49.5	-	-	-	-	199	H
11	*17.476	37.60	PK	41.8	-20.1	59.3	-	-	-	-	199	V
12	*17.476	32.70	PK	41.8	-20.1	54.4	-	-	-	-	200	V

\*Not in Restricted Band

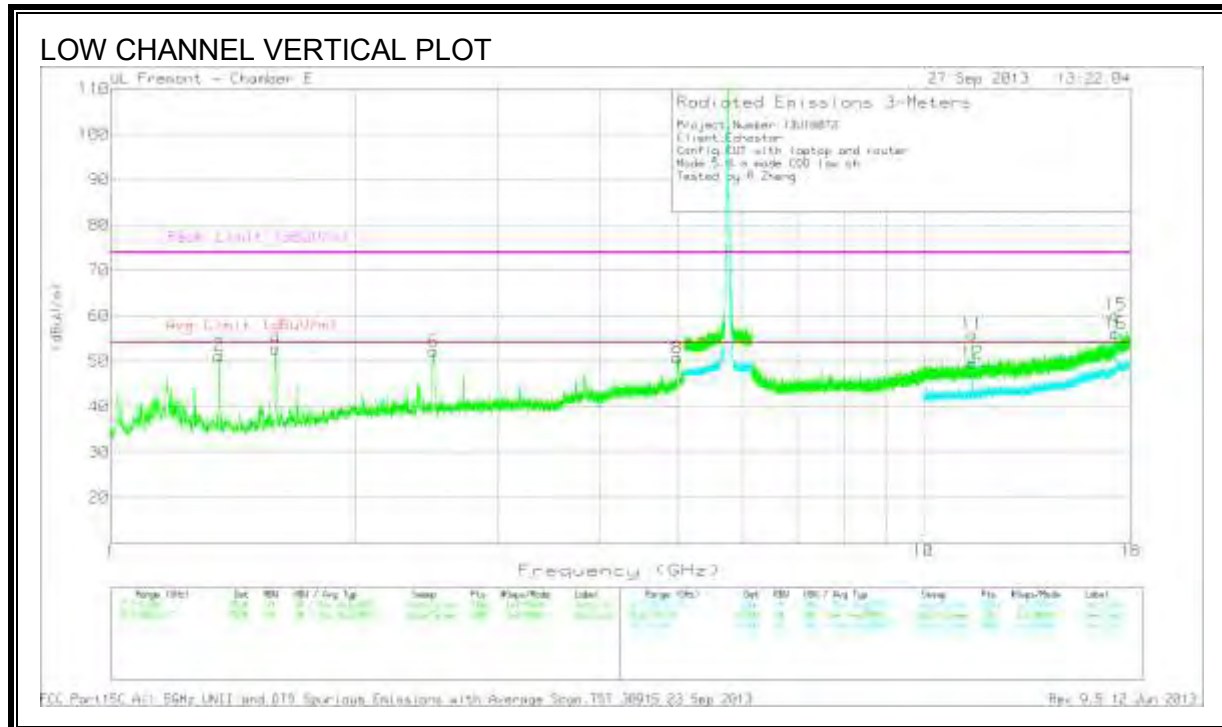
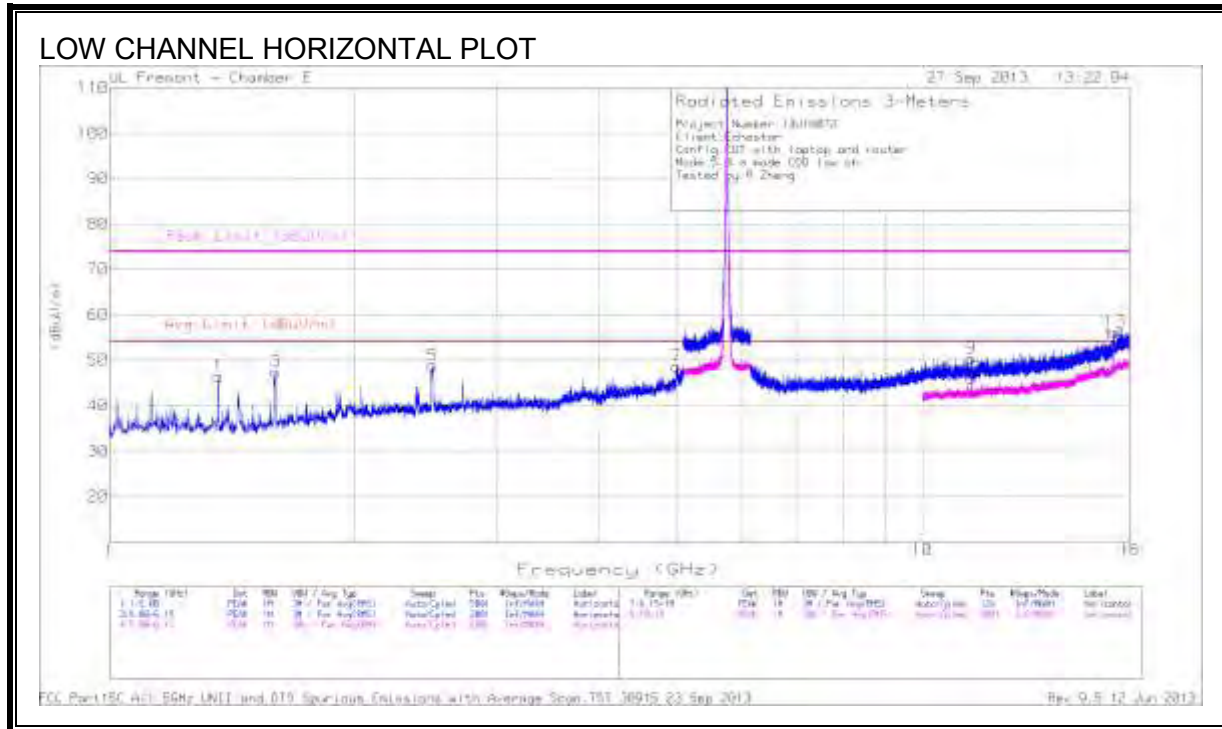
PK - Peak detector

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5 GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.599	40.98	MAv1	29.5	-34	36.48	53.97	-17.49	-	-	216	H
2.498	39.1	MAv1	32.7	-32.3	39.5	53.97	-14.47	-	-	216	H
1.36	54.46	MAv1	29	-34.3	49.16	53.97	-4.81	-	-	225	V
1.598	46.21	MAv1	29.5	-34.1	41.61	53.97	-12.36	-	-	235	V
2.498	39.99	MAv1	32.7	-32.3	40.39	53.97	-13.58	-	-	108	V
4.995	32.94	MAv1	34.4	-29.2	38.14	53.97	-15.83	-	-	122	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average

### 9.2.9. TX ABOVE 1 GHz 802.11a 2TX CDD MODE IN THE 5.8 GHz BAND

#### HARMONICS AND SPURIOUS EMISSIONS



**DATA**

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)	Height (cm)	Polarity
1	1.361	51.76	PK	29	-34.3	46.46	53.97	-7.51	74	-27.54	199	H
2	1.361	56.6	PK	29	-34.3	51.3	53.97	-2.67	74	-22.7	100	V
3	1.6	51.98	PK	29.5	-34.0	47.48	53.97	-6.49	74	-26.52	199	H
4	1.595	57.47	PK	29.4	-34.1	52.77	53.97	-1.20	74	-21.23	100	V
5	2.497	48.45	PK	32.7	-32.3	48.85	53.97	-5.12	74	-25.15	100	H
6	2.496	51.77	PK	32.7	-32.3	52.17	53.97	-1.80	74	-21.83	100	V
7	4.983	43.9	PK	34.4	-29.6	48.7	53.97	-5.27	74	-25.3	199	H
8	4.982	45.94	PK	34.4	-29.6	50.74	53.97	-3.23	74	-23.26	100	V
9	11.488	36.79	PK	38.7	-25.1	50.39	53.97	-3.58	74	-23.61	100	H
10	11.491	32.5	PK	38.7	-25.1	46.1	53.97	-7.87	74	-27.9	199	H
11	11.492	42.31	PK	38.7	-25.1	55.91	-	-	74	-18.09	199	V
12	11.496	36.02	PK (VB)	38.7	-25.1	49.62	53.97	-4.35	-	-	199	V
13	*17.243	36.16	PK	41.4	-21.3	56.26	-	-	-	-	199	H
14	*17.237	33.26	PK	41.4	-21.3	53.36	-	-	-	-	199	H
15	*17.238	40.19	PK	41.4	-21.3	60.29	-	-	-	-	199	V
16	*17.233	36.01	PK (VB)	41.4	-21.3	56.11	-	-	-	-	199	V

PK - Peak detector

\*Not in Restricted Bands

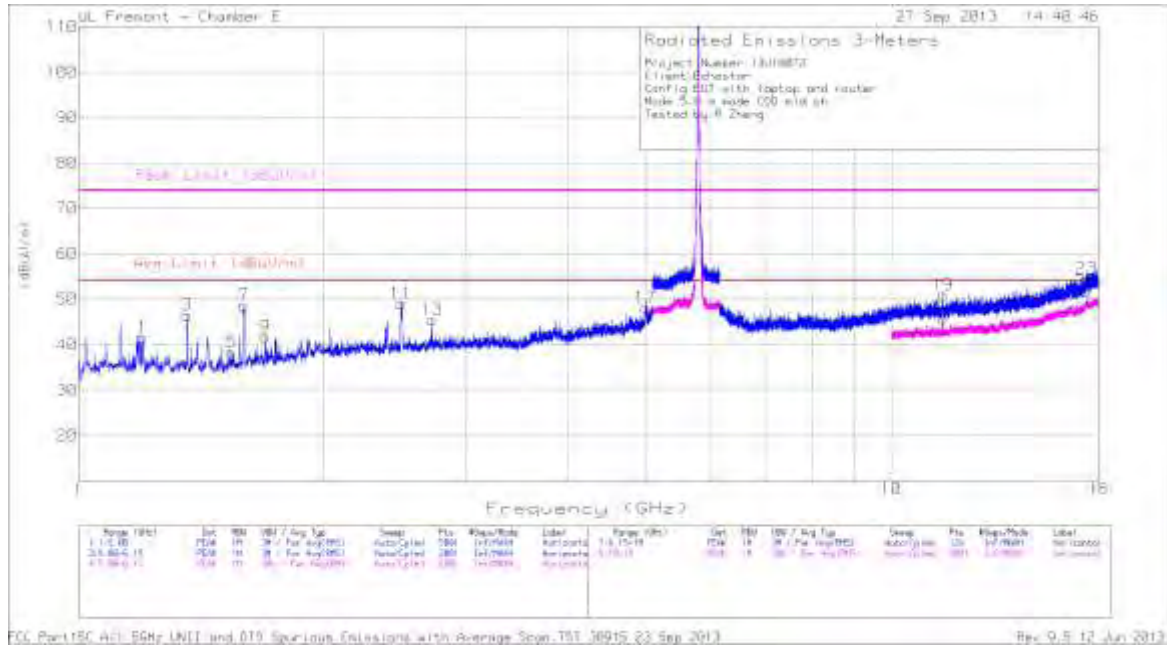
\*Not in Restricted Band

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5 GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.360	56.78	MAv1	29	-34.3	51.48	53.97	-2.49	-	-	116	V
1.599	44.77	MAv1	29.5	-34	40.27	53.97	-13.7	-	-	133	V
2.499	40.33	MAv1	32.7	-32.3	40.73	53.97	-13.24	-	-	103	H
2.499	44.02	MAv1	32.7	-32.3	44.42	53.97	-9.55	-	-	118	V
4.981	35.69	MAv1	34.4	-29.6	40.49	53.97	-13.48	-	-	145	H
4.987	33.95	MAv1	34.4	-29.4	38.95	53.97	-15.02	-	-	106	V
11.490	30.06	MAv1	38.7	-25.1	43.66	53.97	-10.31	-	-	149	H
11.491	34.75	MAv1	38.7	-25.1	48.35	53.97	-5.62	-	-	125	V

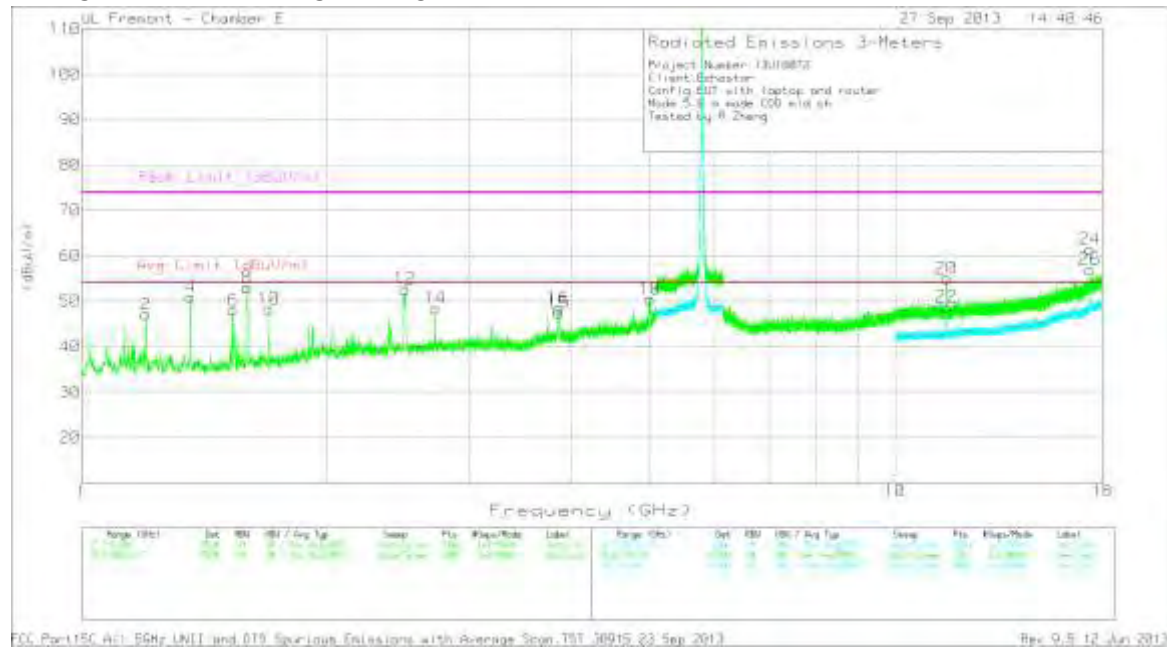
MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average



### MID CHANNEL HORIZONTAL PLOT



### MID CHANNEL VERTICAL PLOT



**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb I/5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.201	47.69	PK	29	-35.1	41.59	53.97	-12.38	74	-32.41	199	H
2	1.2	53.23	PK	29	-35.1	47.13	53.97	-6.84	74	-26.87	100	V
3	1.361	51.86	PK	29	-34.3	46.56	53.97	-7.41	74	-27.44	100	H
4	1.361	56.26	PK	29	-34.3	50.96	53.97	-3.01	74	-23.04	100	V
5	1.542	43.73	PK	29.1	-34.5	38.33	53.97	-15.64	74	-35.67	199	H
6	1.536	53.49	PK	29	-34.5	47.99	53.97	-5.98	74	-26.01	200	V
7	1.597	53.32	PK	29.5	-34.1	48.72	53.97	-5.25	74	-25.28	199	H
8	1.597	57.66	PK	29.5	-34.1	53.06	53.97	-0.91	74	-20.94	100	V
9	1.698	45.49	PK	30.1	-33.8	41.79	53.97	-12.18	74	-32.21	199	H
10	1.698	52.02	PK	30.1	-33.8	48.32	53.97	-5.65	74	-25.68	100	V
11	2.492	48.64	PK	32.7	-32.3	49.04	53.97	-4.93	74	-24.96	100	H
12	2.497	52.34	PK	32.7	-32.3	52.74	53.97	-1.23	74	-21.26	100	V
13	2.721	44.86	PK	33.1	-32.5	45.46	53.97	-8.51	74	-28.54	199	H
14	2.721	47.84	PK	33.1	-32.5	48.44	53.97	-5.53	74	-25.56	200	V
15	3.859	44.77	PK	33.7	-30.9	47.57	53.97	-6.40	74	-26.43	100	V
16	3.854	45.67	PK	33.7	-30.9	48.47	53.97	-5.5	74	-25.53	200	V
17	4.99	43	PK	34.4	-29.3	48.1	53.97	-5.87	74	-25.9	199	H
18	4.997	45.13	PK	34.4	-29.1	50.43	53.97	-3.54	74	-23.57	100	V
19	11.57	37.66	PK	38.7	-25.3	51.06	-	-	74	-22.94	199	H
20	11.57	41.67	PK	38.7	-25.3	55.07	-	-	74	-18.93	200	V
21	11.574	32.54	PK (VB)	38.7	-25.4	45.84	53.97	-8.13	-	-	199	H
22	11.574	35.45	PK (VB)	38.7	-25.4	48.75	53.97	-5.22	-	-	200	V
23	*17.381	33.3	PK	41.6	-20.4	54.5	-	-	-	-	199	H
24	*17.357	40.44	PK	41.6	-20.6	61.44	-	-	-	-	200	V
25	*17.348	30.7	PK (VB)	41.6	-20.6	51.7	-	-	-	-	199	H

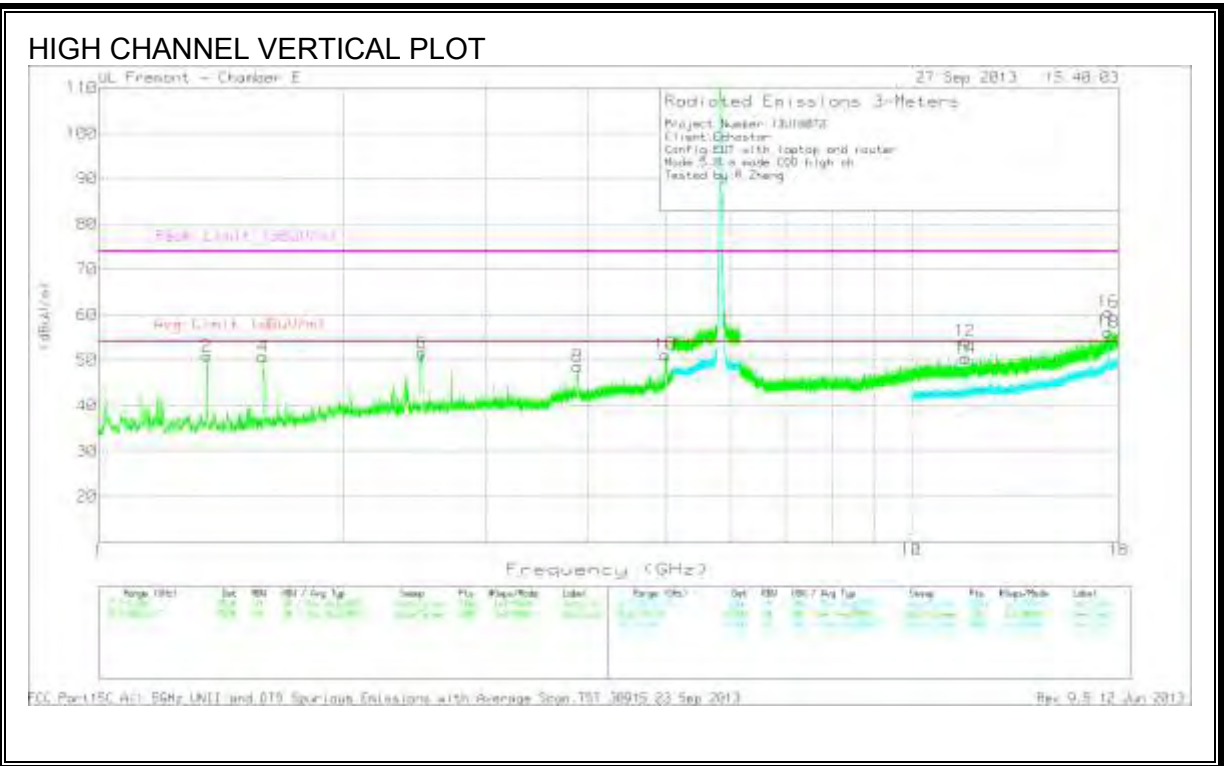
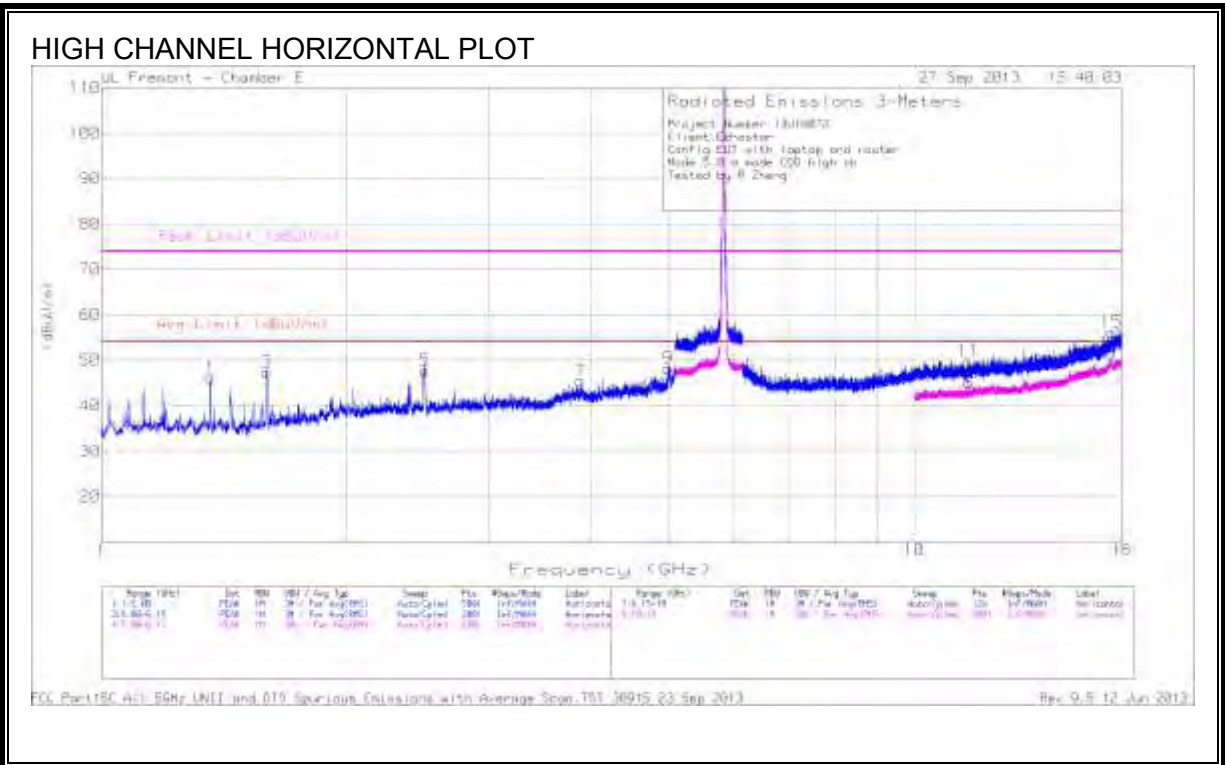
26	*17.357	36.01	PK (VB)	41.6	-20.6	57.01	-	-	-	-	200	V
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PK - Peak detector

\*Not in Restricted Band

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5 GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.360	55.39	MAv 1	29	-34.3	50.09	53.97	-3.88	-	-	190	V
1.594	44.22	MAv 1	29.4	-34.1	39.52	53.97	-14.45	-	-	232	V
1.599	39.87	MAv 1	29.5	-34	35.37	53.97	-18.6	-	-	157	H
1.700	32.99	MAv 1	30.2	-33.8	29.39	53.97	-24.58	-	-	159	V
2.498	38.3	MAv 1	32.7	-32.3	38.7	53.97	-15.27	-	-	196	H
2.499	42.42	MAv 1	32.7	-32.3	42.82	53.97	-11.15	-	-	120	V
2.720	45.25	MAv 1	33.1	-32.5	45.85	53.97	-8.12	-	-	113	V
3.858	38.23	MAv 1	33.7	-30.9	41.03	53.97	-12.94	-	-	103	V
4.998	35.3	MAv 1	34.4	-29.1	40.6	53.97	-13.37	-	-	130	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average



**DATA**

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)	Height (cm)	Polarity
1	1.361	51.50	PK	29.0	-34.3	46.2	53.97	-7.77	74	-27.8	100	H
2	1.361	56.23	PK	29.0	-34.3	50.93	53.97	-3.04	74	-23.07	100	V
3	1.596	52.00	PK	29.5	-34.1	47.4	53.97	-6.57	74	-26.6	199	H
4	1.594	55.43	PK	29.4	-34.1	50.73	53.97	-3.24	74	-23.27	100	V
5	2.5	47.30	PK	32.7	-32.3	47.7	53.97	-6.27	74	-26.3	100	H
6	2.5	51.18	PK	32.7	-32.3	51.58	53.97	-2.39	74	-22.42	100	V
7	3.885	42.56	PK	33.8	-30.9	45.46	53.97	-8.51	74	-28.54	199	H
8	3.885	45.72	PK	33.8	-30.9	48.62	53.97	-5.35	74	-25.38	199	V
9	4.979	43.66	PK	34.4	-29.8	48.26	53.97	-5.71	74	-25.74	199	H
10	4.979	46.65	PK	34.4	-29.8	51.25	53.97	-2.72	74	-22.75	100	V
11	11.646	35.86	PK	38.8	-24.9	49.76	53.97	-4.21	74	-24.24	199	H
12	11.657	40.17	PK	38.8	-24.8	54.17	-	-	74	-19.83	100	V
13	11.655	31.18	PK (VB)	38.8	-24.8	45.18	53.97	-8.79	-	-	199	H
14	11.657	36.34	PK (VB)	38.8	-24.8	50.34	53.97	-3.63	-	-	100	V
15	*17.482	34.63	PK	41.8	-20.3	56.13	-	-	-	-	199	H
16	*17.483	39.09	PK	41.8	-20.3	60.59	-	-	-	-	199	V
17	*17.478	29.97	PK (VB)	41.8	-20.2	51.57	-	-	-	-	199	H
18	*17.472	34.27	PK (VB)	41.8	-19.9	56.17	-	-	-	-	199	V

PK - Peak detector

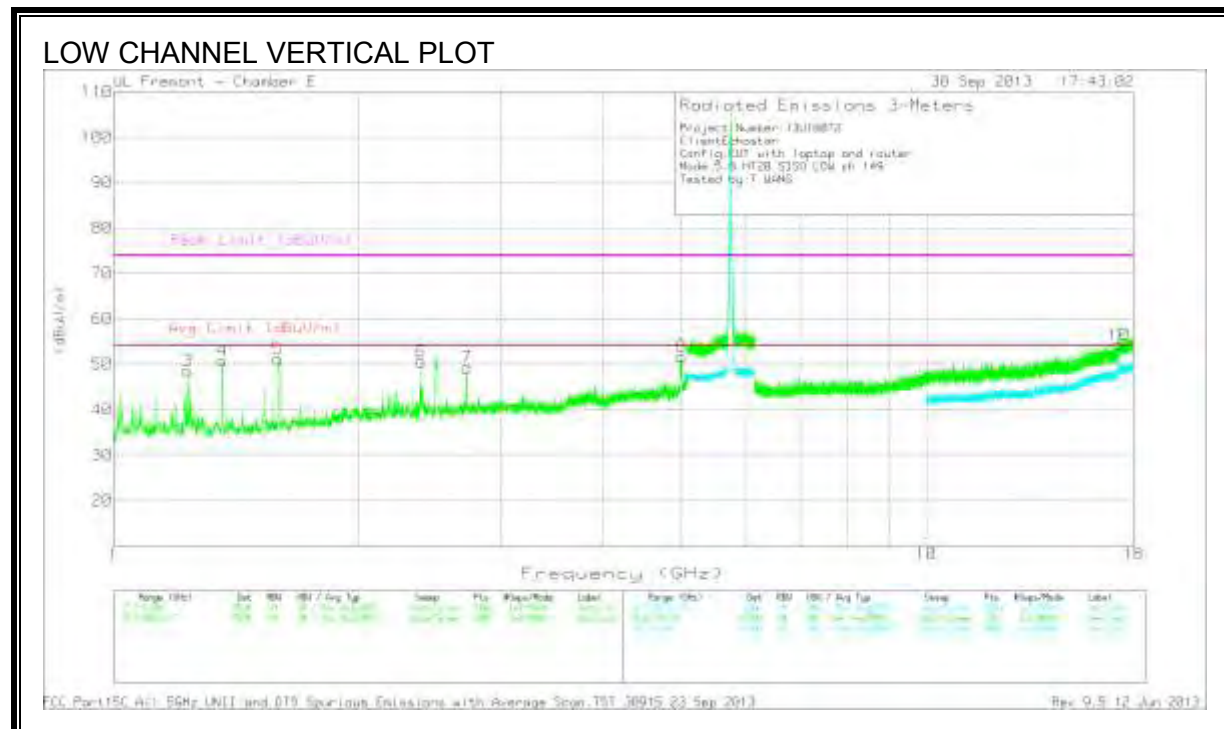
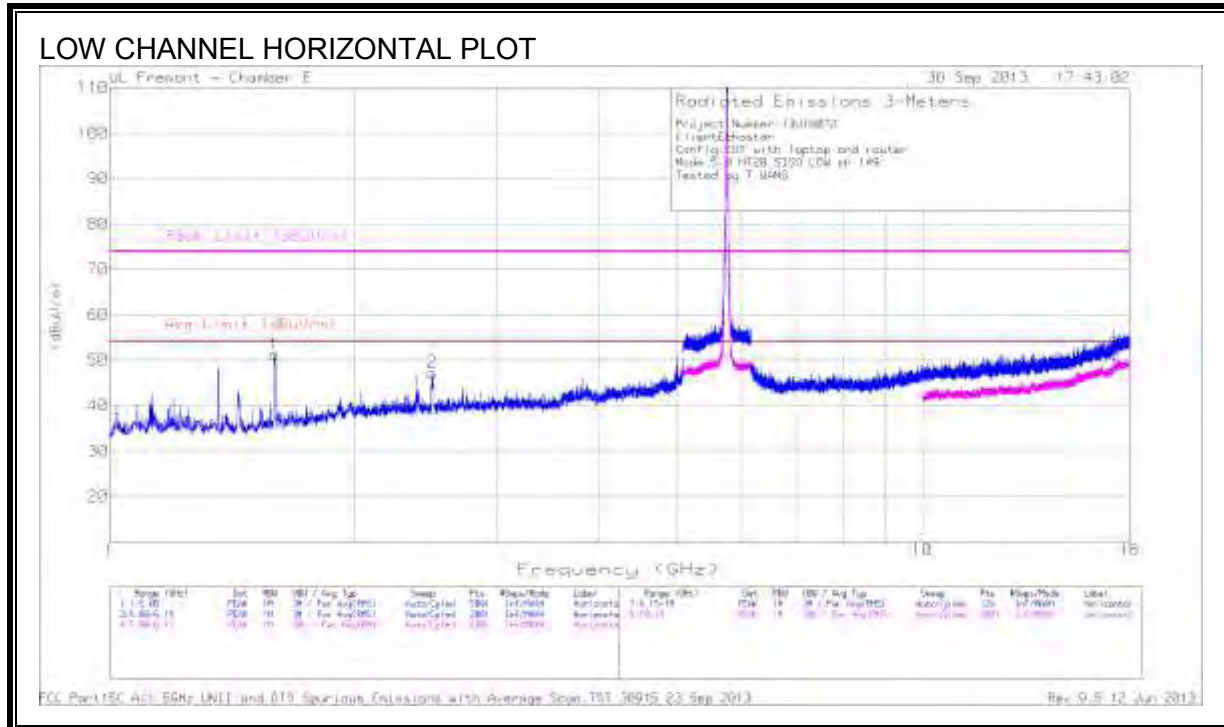
\*Not in Restricted Band

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5 GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.360	55.25	MAv1	29	-34.3	49.95	53.97	-4.02	-	-	204	V
1.599	41.53	MAv1	29.5	-34	37.03	53.97	-16.94	-	-	267	V
2.499	41.61	MAv1	32.7	-32.3	42.01	53.97	-11.96	-	-	236	V
3.883	35.89	MAv1	33.8	-31	38.69	53.97	-15.28	-	-	171	V
4.975	31.31	MAv1	34.4	-29.9	35.81	53.97	-18.16	-	-	234	H
4.997	34.29	MAv1	34.4	-29.1	39.59	53.97	-14.38	-	-	203	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average

### 9.2.10. TX ABOVE 1 GHz 802.11n HT20 SISO MODE IN THE 5.8 GHz BAND

#### HARMONICS AND SPURIOUS EMISSIONS



**DATA**

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)	Height (cm)	Polarity
1	1.595	56.04	PK	29.4	-34.1	51.34	53.97	-2.63	74	-22.66	199	H
2	2.495	46.82	PK	32.7	-32.3	47.22	53.97	-6.75	74	-26.78	199	H
3	1.233	53.66	PK	29.1	-34.8	47.96	53.97	-6.01	74	-25.54	200	V
4	1.361	55.96	PK	29.0	-34.3	50.66	53.97	-3.31	74	-23.34	200	V
5	1.594	55.86	PK	29.4	-34.1	51.16	53.97	-2.81	74	-22.84	200	V
6	2.389	51.5	PK	32.6	-33.5	50.6	53.97	-3.37	74	-23.4	200	V
7	2.721	48.67	PK	33.1	-32.5	49.27	53.97	-4.7	74	-24.73	100	V
8	4.998	46.34	PK	34.4	-29.1	51.64	53.97	-2.33	74	-22.36	100	V
9	*17.234	31.3	PK	41.4	-21.3	51.4	-	-	-	-	199	H
10	*17.232	34.19	PK	41.4	-21.3	54.29	-	-	-	-	199	V

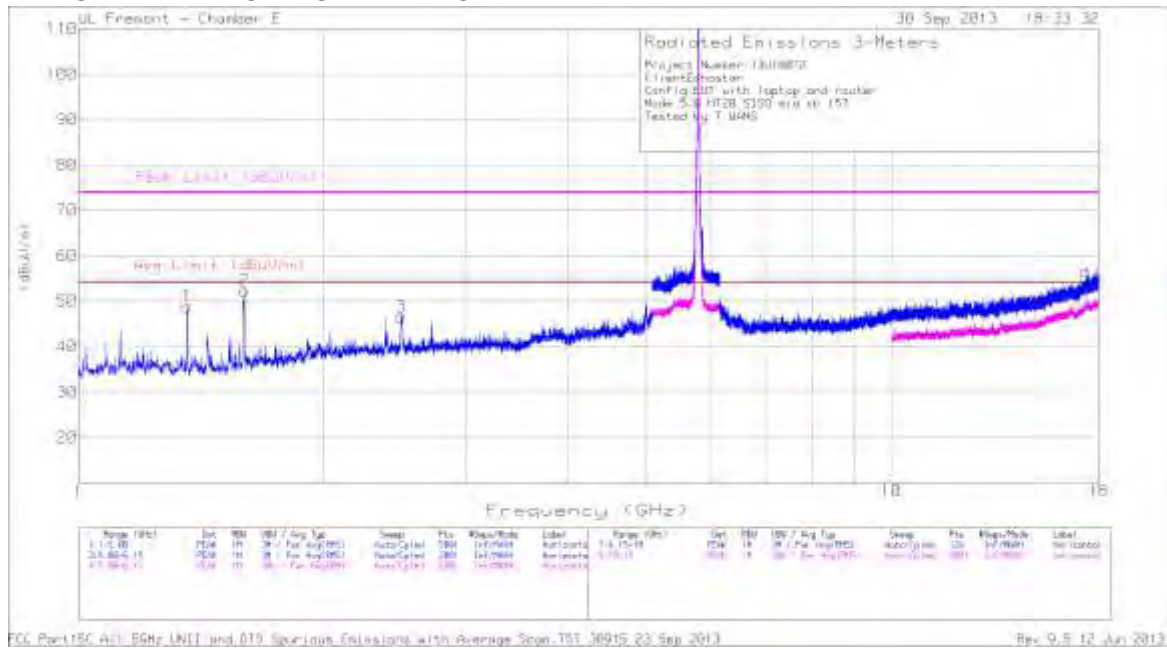
PK - Peak detector  
 \*Not in Restricted Bands

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)	Height (cm)	Polarity
1.598	42.94	AD1	29.5	-34	38.44	53.97	-15.53	-	-	193	H
1.360	55.78	AD1	29.0	-34.3	50.48	53.97	-3.49	-	-	196	V
1.596	42.03	AD1	29.5	-34.1	37.43	53.97	-16.54	-	-	330	V
2.388	47.91	AD1	32.6	-33.5	47.01	53.97	-6.96	-	-	307	V
2.720	40.47	AD1	33.1	-32.5	41.07	53.97	-12.9	-	-	297	V
4.998	34.89	AD1	34.4	-29.1	40.19	53.97	-13.78	-	-	308	V

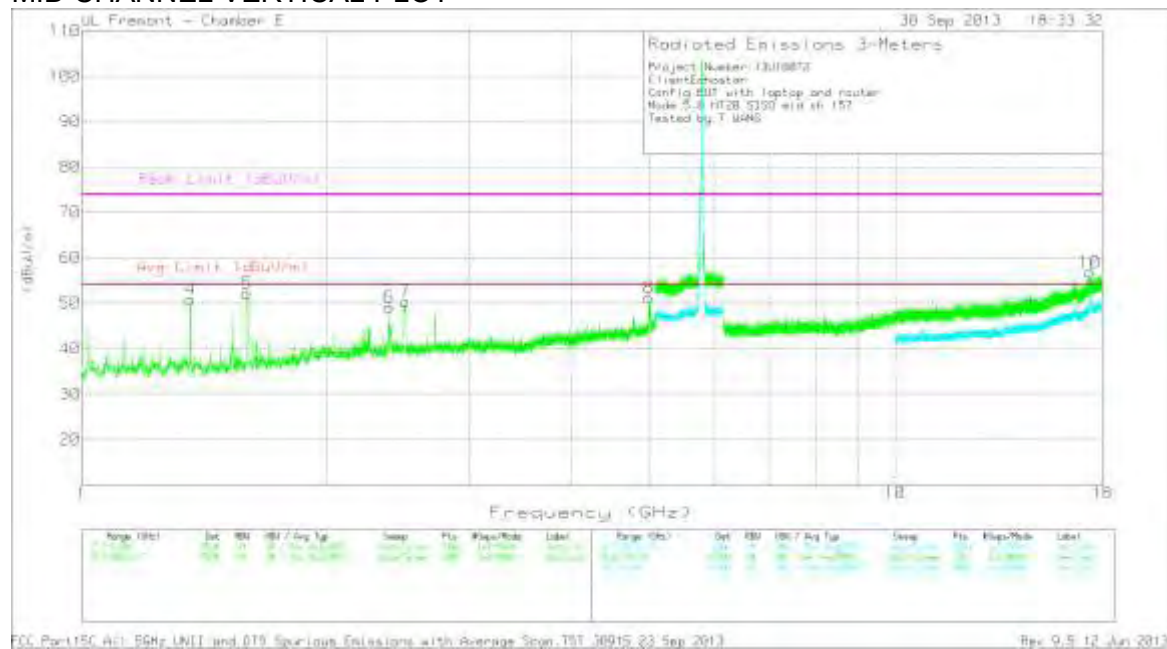
AD1 - KDB 789033 v01r02 Method: AD Primary Power Average



### MID CHANNEL HORIZONTAL PLOT



### MID CHANNEL VERTICAL PLOT



**DATA**

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)	Height (cm)	Polarit y
1	1.361	54.18	PK	29	-34.3	48.88	53.97	-5.09	74	-25.12	199	H
2	1.601	56.9	PK	29.5	-34	52.4	53.97	-1.57	74	-21.6	199	H
3	2.492	46.21	PK	32.7	-32.3	46.61	53.97	-7.36	74	-27.39	199	H
4	1.361	56.15	PK	29	-34.3	50.85	53.97	-3.12	74	-23.15	200	V
5	1.596	56.74	PK	29.5	-34.1	52.14	53.97	-1.83	74	-21.86	200	V
6	2.389	50.09	PK	32.6	-33.5	49.19	53.97	-4.78	74	-24.81	200	V
7	2.499	49.89	PK	32.7	-32.3	50.29	53.97	-3.68	74	-23.71	100	V
8	4.978	46.59	PK	34.4	-29.8	51.19	53.97	-2.78	74	-22.81	100	V
9	*17.354	32.13	PK	41.6	-20.6	53.13	-	-	-	-	199	H
10	*17.354	32.82	PK	41.6	-20.6	53.82	-	-	-	-	199	V

PK - Peak detector  
 \*Not in Restricted Bands

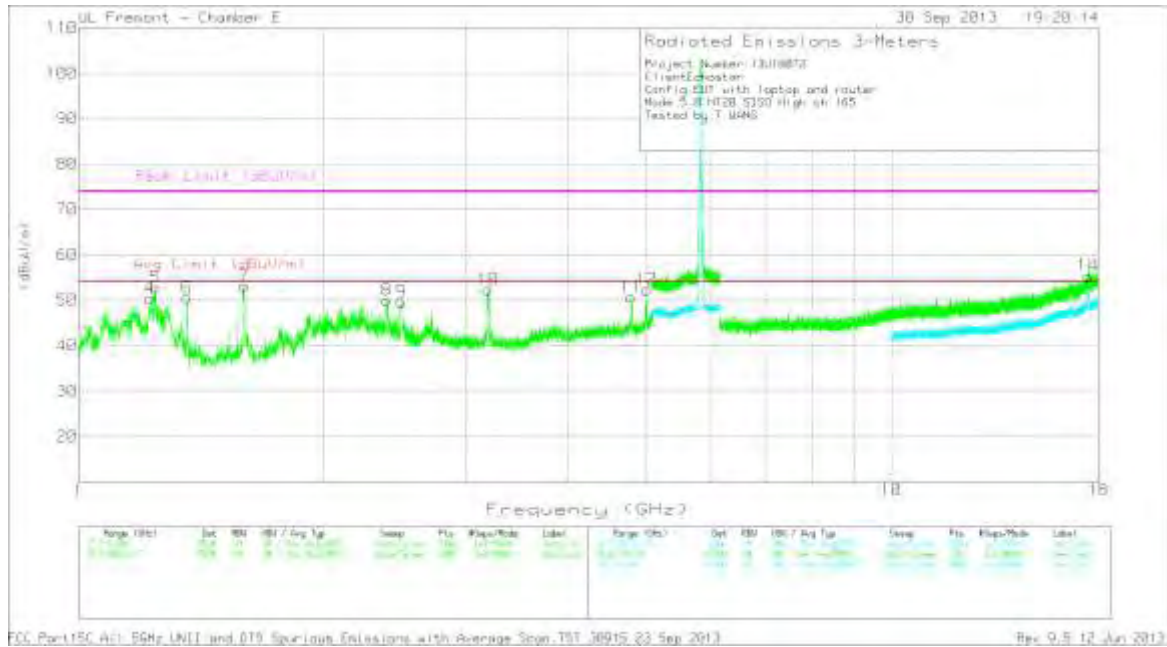
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarit y
1.360	49.94	AD1	29	-34.3	44.64	53.97	-9.33	-	-	191	H
1.596	48.04	AD1	29.5	-34.1	43.44	53.97	-10.53	-	-	220	H
1.360	55.16	AD1	29	-34.3	49.86	53.97	-4.11	-	-	146	V
1.596	45.05	AD1	29.5	-34.1	40.45	53.97	-13.52	-	-	330	V
2.390	48.93	AD1	32.6	-33.5	48.03	53.97	-5.94	-	-	307	V
2.499	39.99	AD1	32.7	-32.3	40.39	53.97	-13.58	-	-	169	V
4.978	32.45	AD1	34.4	-29.8	37.05	53.97	-16.92	-	-	122	V

AD1 - KDB 789033 v01r02 Method: AD Primary Power Average

### HIGH CHANNEL HORIZONTAL PLOT



### HIGH CHANNEL VERTICAL PLOT



**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/Cbl /5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.178	56.91	PK	28.9	-35.2	50.61	53.97	-3.36	74	-23.39	199	H
2	1.597	56.31	PK	29.5	-34.1	51.71	53.97	-2.26	74	-22.29	199	H
3	2.244	49.02	PK	32.4	-32.5	48.92	53.97	-5.05	74	-25.08	199	H
4	1.224	56.14	PK	29.1	-34.9	50.34	53.97	-3.63	74	-23.66	100	V
5	1.243	58.43	PK	29.2	-34.8	52.83	53.97	-1.14	74	-21.17	100	V
6	1.361	55.89	PK	29	-34.3	50.59	53.97	-3.38	74	-23.41	200	V
7	1.600	57.71	PK	29.5	-34	53.21	53.97	-.76	74	-20.79	100	V
8	2.395	50.85	PK	32.6	-33.4	50.05	53.97	-3.92	74	-23.95	200	V
9	2.497	49.31	PK	32.7	-32.3	49.71	53.97	-4.26	74	-24.29	100	V
10	3.189	51.6	PK	33.4	-32.6	52.4	53.97	-1.57	74	-21.6	200	V
11	4.786	46.46	PK	34.4	-30.2	50.66	53.97	-3.31	74	-23.34	200	V
12	4.998	47.05	PK	34.4	-29.1	52.35	53.97	-1.62	74	-21.65	100	V
13	*17.467	28.82	PK	41.7	-19.8	50.72	-	-	-	-	199	H
14	*17.475	33.59	PK	41.8	-20	55.39	-	-	-	-	200	V

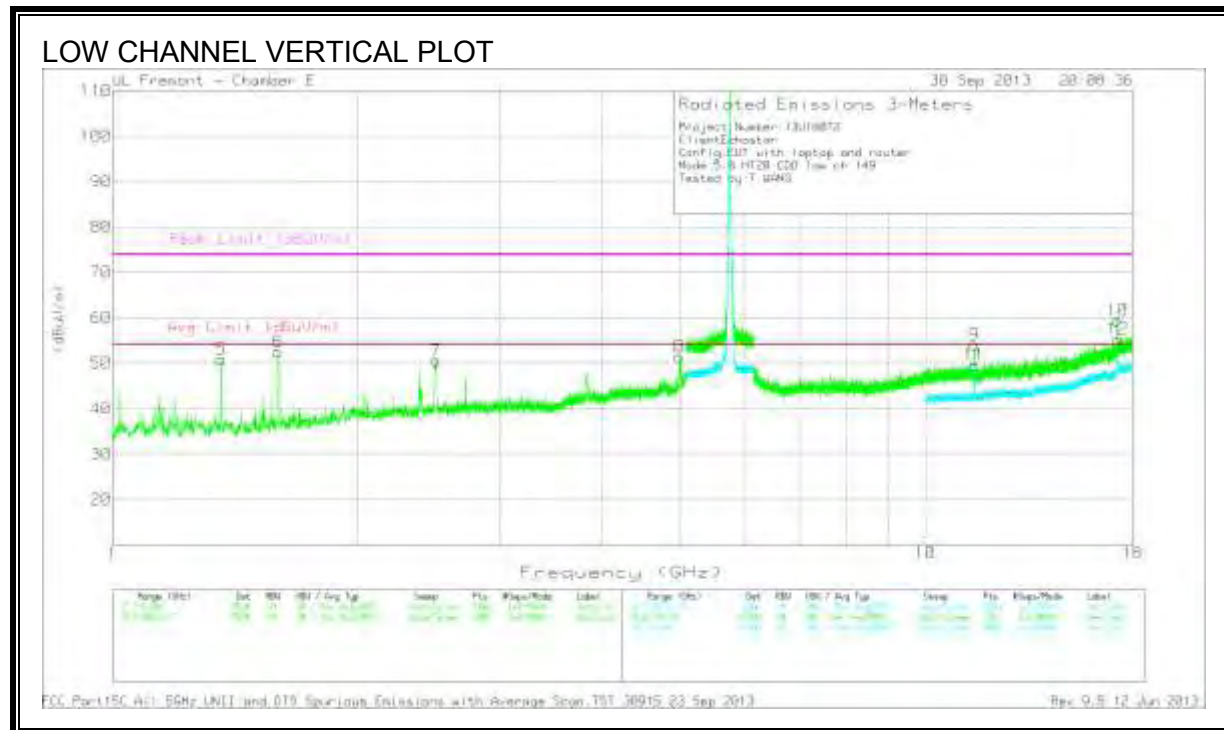
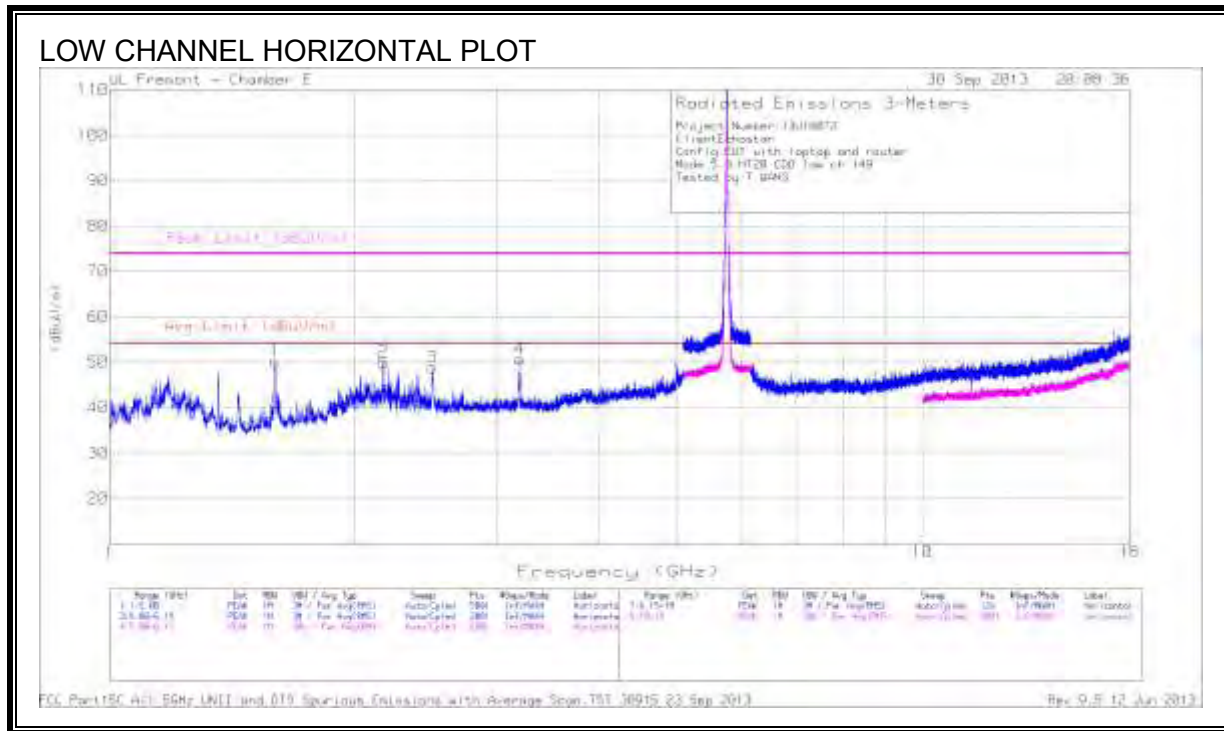
PK - Peak detector  
 \*Not in Restricted Bands

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)	Height (cm)	Polarity
1.175	43.57	AD1	28.9	-35.2	37.27	53.97	-16.7	-	-	286	H
1.597	41.6	AD1	29.5	-34.1	37	53.97	-16.97	-	-	204	H
2.246	34.07	AD1	32.4	-32.5	33.97	53.97	-20	-	-	157	H
1.232	45.51	AD1	29.1	-34.8	39.81	53.97	-14.16	-	-	151	V
1.236	41.94	AD1	29.1	-34.8	36.24	53.97	-17.73	-	-	136	V
1.360	56.70	AD1	29	-34.3	51.40	53.97	-2.57	-	-	196	V
1.596	45.00	AD1	29.5	-34.1	342.40	53.97	-13.57	-	-	330	V
2.391	49.90	AD1	32.6	-33.5	49.00	53.97	-4.97	-	-	307	V
2.496	43.92	AD1	32.7	-32.3	43.32	53.97	-10.65	-	-	169	V
4.776	32.75	AD1	34.4	-30.1	37.05	53.97	-16.92	-	-	311	V
4.998	34.89	AD1	34.4	-29.1	40.19	53.97	-13.78	-	-	308	V

AD1 - KDB 789033 v01r02 Method: AD Primary Power Average

### 9.2.11. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 5.8 GHz BAND

#### HARMONICS AND SPURIOUS EMISSIONS



**DATA**

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/Cbl /5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margi n (dB)	Heigh t (cm)	Polarity
1	1.597	54.73	PK	29.5	-34.1	50.13	53.97	-3.84	74	-23.87	199	H
2	*2.173	51.21	PK	32.3	-33.4	50.11	-	-	-	-	199	H
3	2.495	48.50	PK	32.7	-32.3	48.90	53.97	-5.07	74	-25.1	199	H
4	*3.198	49.89	PK	33.4	-32.6	50.69	-	-	-	-	199	H
5	1.361	56.22	PK	29.0	-34.3	50.92	53.97	-3.05	74	-23.08	199	V
6	1.597	57.13	PK	29.5	-34.1	52.53	53.97	-1.44	74	-21.47	100	V
7	2.499	50.25	PK	32.7	-32.3	50.65	53.97	-3.32	74	-23.35	100	V
8	4.981	46.69	PK	34.4	-29.6	51.49	53.97	-2.48	74	-22.51	100	V
9	11.491	40.50	PK	38.7	-25.1	54.10	-	-	74	-19.9	199	V
10	*17.222	39.39	PK	41.4	-21.3	59.49	-	-	-	-	199	V
11	11.493	36.04	PK	38.7	-25.1	49.64	53.97	-4.33	74	-24.36	200	V
12	*17.239	35.20	PK	41.4	-21.3	55.30	-	-	-	-	200	V

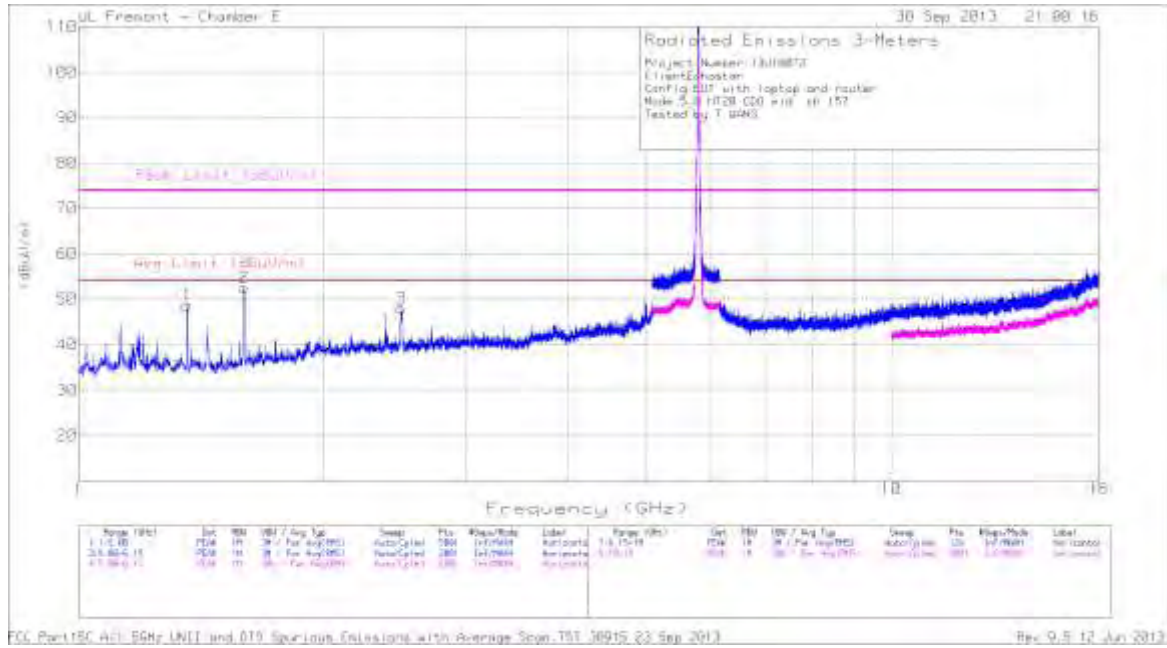
PK - Peak detector

\*Not in Restricted Bands

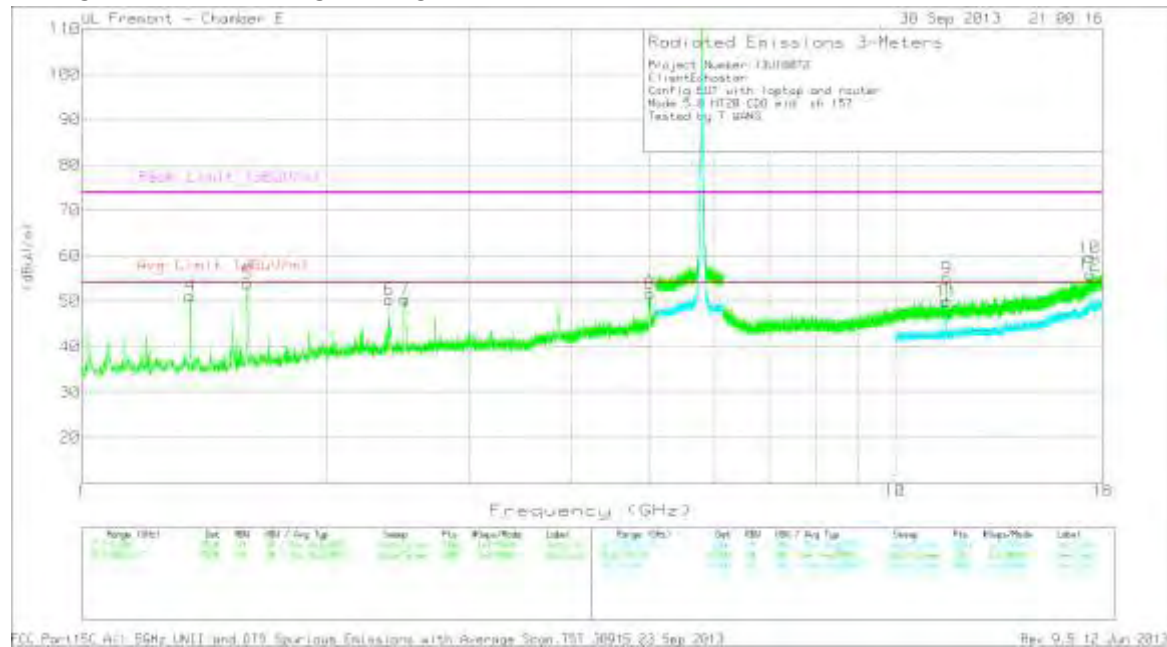
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.598	49.95	AD1	29.5	-34	45.45	53.97	-8.52	-	-	185	H
2.168	32.44	AD1	32.3	-33.5	31.24	53.97	-22.73	-	-	283	H
2.498	37.29	AD1	32.7	-32.3	37.69	53.97	-16.28	-	-	227	H
3.195	31.56	AD1	33.4	-32.6	32.36	53.97	-21.61	-	-	280	H
1.360	54.30	AD1	29	-34.3	49.00	53.97	-4.97	-	-	172	V
1.596	47.05	AD1	29.5	-34.1	44.46	53.97	-11.47	-	-	332	V
2.499	43.95	AD1	32.7	-32.3	43.35	53.97	-10.62	-	-	169	V
4.987	33.41	AD1	34.4	-29.4	38.41	53.97	-15.56	-	-	239	V
11.491	32.99	AD1	38.7	-25.1	46.59	53.97	-7.38	-	-	164	V

AD1 - KDB 789033 v01r02 Method: AD Primary Power Average

### MID CHANNEL HORIZONTAL PLOT



### MID CHANNEL VERTICAL PLOT





**DATA**

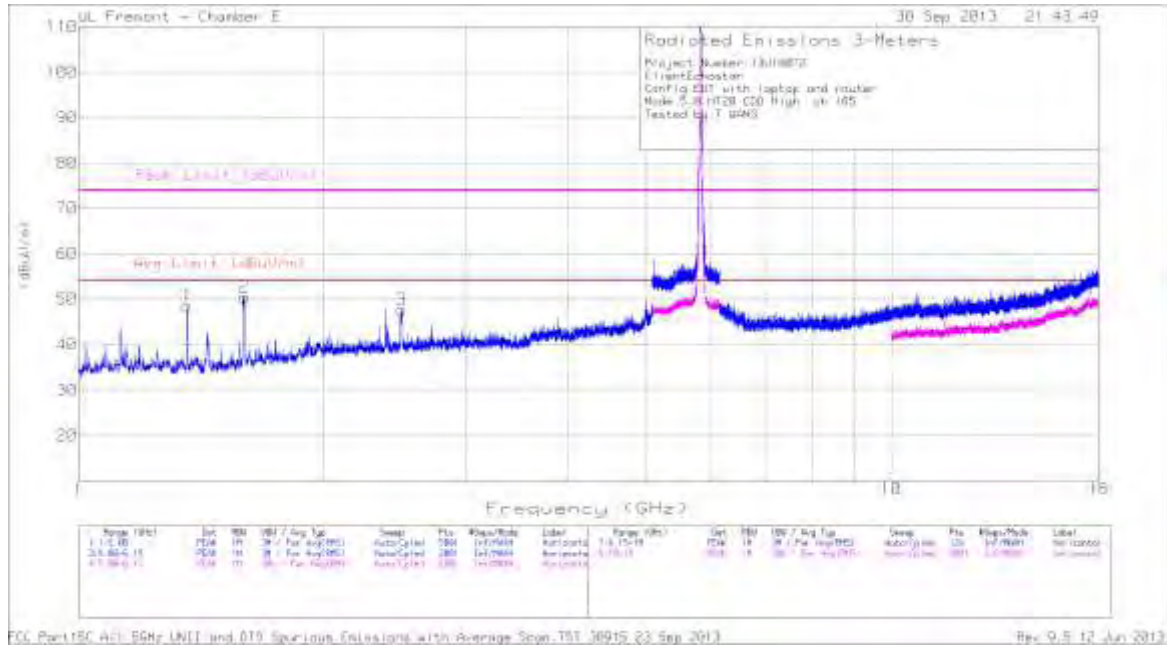
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.361	53.91	PK	29.0	-34.3	48.61	53.97	-5.36	74	-25.39	199	H
2	1.597	57.16	PK	29.5	-34.1	52.56	53.97	-1.41	74	-21.44	199	H
3	2.492	47.55	PK	32.7	-32.3	47.95	53.97	-6.04	74	-26.0	199	H
4	1.361	56.50	PK	29.0	-34.3	51.20	53.97	-2.77	74	-22.8	199	V
5	1.601	58.43	PK	29.5	-34.0	53.93	53.97	-0.04	74	-20.07	101	V
6	2.390	51.18	PK	32.6	-33.4	50.38	53.97	-3.59	74	-23.62	199	V
7	2.497	49.98	PK	32.7	-32.3	50.38	53.97	-3.59	74	-23.62	101	V
8	4.996	46.37	PK	34.4	-29.1	51.67	53.97	-2.30	74	-22.33	101	V
9	11.570	41.61	PK	38.7	-25.3	55.01	-	-	74	-18.99	100	V
10	*17.344	38.69	PK	41.6	-20.7	59.59	-	-	-	-	199	V
11	11.572	36.63	PK	38.7	-25.4	49.93	53.97	-4.04	74	-24.07	100	V
12	*17.356	34.88	PK	41.6	-20.6	55.88	-	-	-	-	199	V

PK - Peak detector  
 \*Not in Restricted bands

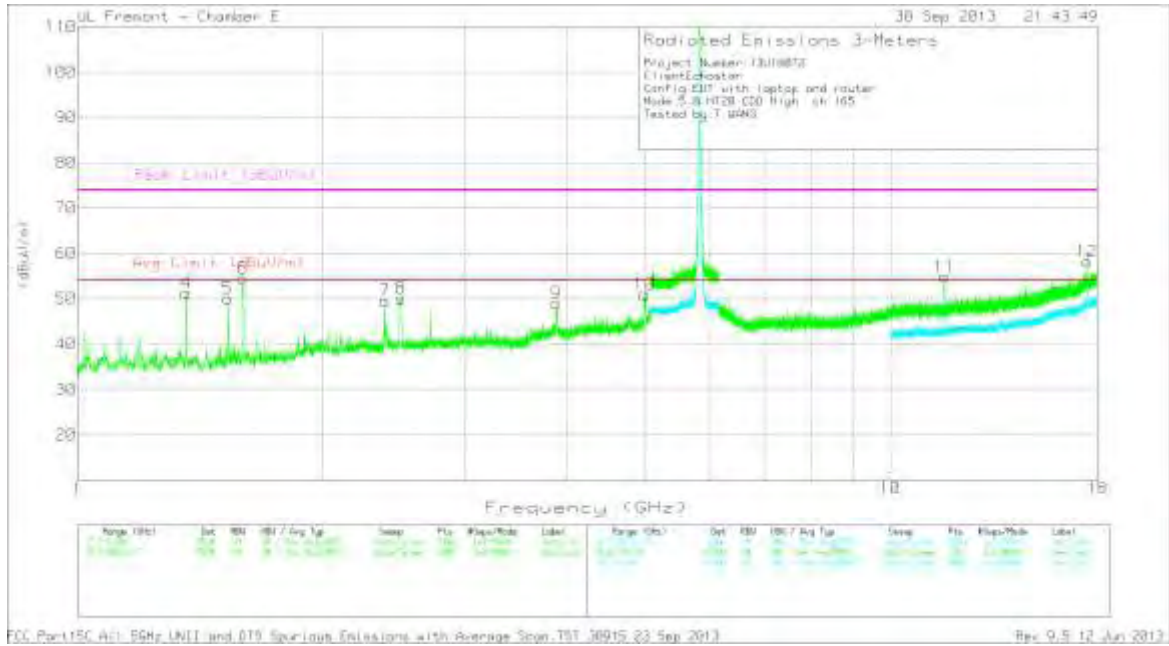
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.36	51.68	AD1	29	-34.3	46.38	53.97	-7.59	-	-	211	H
1.598	45.90	AD1	29.5	-34	42.40	53.97	-12.49	-	-	193	H
1.36	56.36	AD1	29	-34.3	51.06	53.97	-2.91	-	-	170	V
1.599	46.00	AD1	29.5	-34.1	41.40	53.97	-12.51	-	-	330	V
2.390	48.90	AD1	32.6	-33.5	48.00	53.97	-5.91	-	-	307	V
2.499	42.00	AD1	32.7	-32.3	42.40	53.97	-11.57	-	-	169	V
4.990	35.48	AD1	34.4	-29.8	40.08	53.97	-13.89	-	-	122	V
11.57	35.33	AD1	38.7	-25.3	48.73	53.97	-5.24	-	-	150	V

AD1 - KDB 789033 v01r02 Method: AD Primary Power Average

### HIGH CHANNEL HORIZONTAL PLOT



### HIGH CHANNEL VERTICAL PLOT



**DATA**

Marker	Frequenc y (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)	Height (cm)	Polarit y
1	1.361	53.8	PK	29	-34.3	48.5	53.97	-5.47	74	-25.5	199	H
2	1.599	55.01	PK	29.5	-34.0	50.51	53.97	-3.46	74	-23.49	199	H
3	2.497	47.31	PK	32.7	-32.3	47.71	53.97	-6.26	74	-26.29	199	H
4	1.361	56.64	PK	29.0	-34.3	51.34	53.97	-2.63	74	-22.66	199	V
5	1.53	55.7	PK	29.0	-34.6	50.1	53.97	-3.87	74	-23.9	100	V
6	1.598	59.05	PK	29.5	-34.0	54.55	-	-	74	-19.45	100	V
7	2.389	50.43	PK	32.6	-33.5	49.53	53.97	-4.44	74	-24.47	199	V
8	2.499	49.71	PK	32.7	-32.3	50.11	53.97	-3.86	74	-23.89	100	V
9	3.884	46.20	PK	33.8	-31.0	49	53.97	-4.97	74	-25	100	V
10	4.99	45.94	PK	34.4	-29.3	51.04	53.97	-2.93	74	-22.96	100	V
11	11.65	41.06	PK	38.8	-24.9	54.96	-	-	74	-19.04	100	V
12	*17.467	36.28	PK	41.7	-19.8	58.18	-	-	-	-	200	V

PK - Peak detector

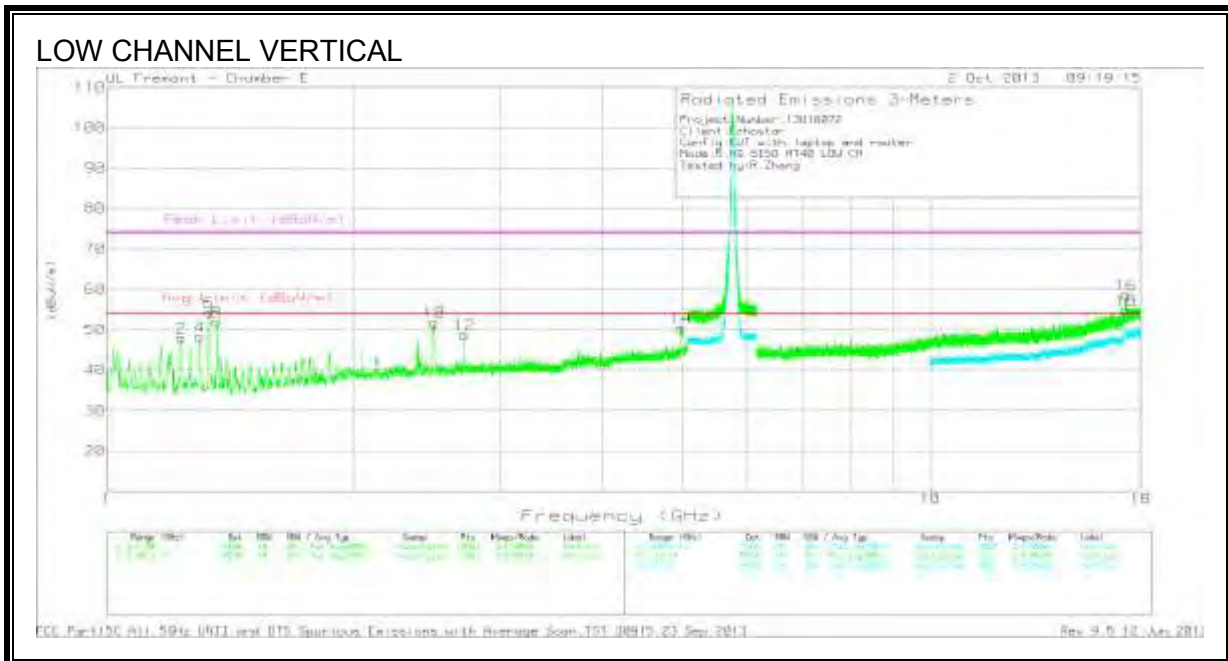
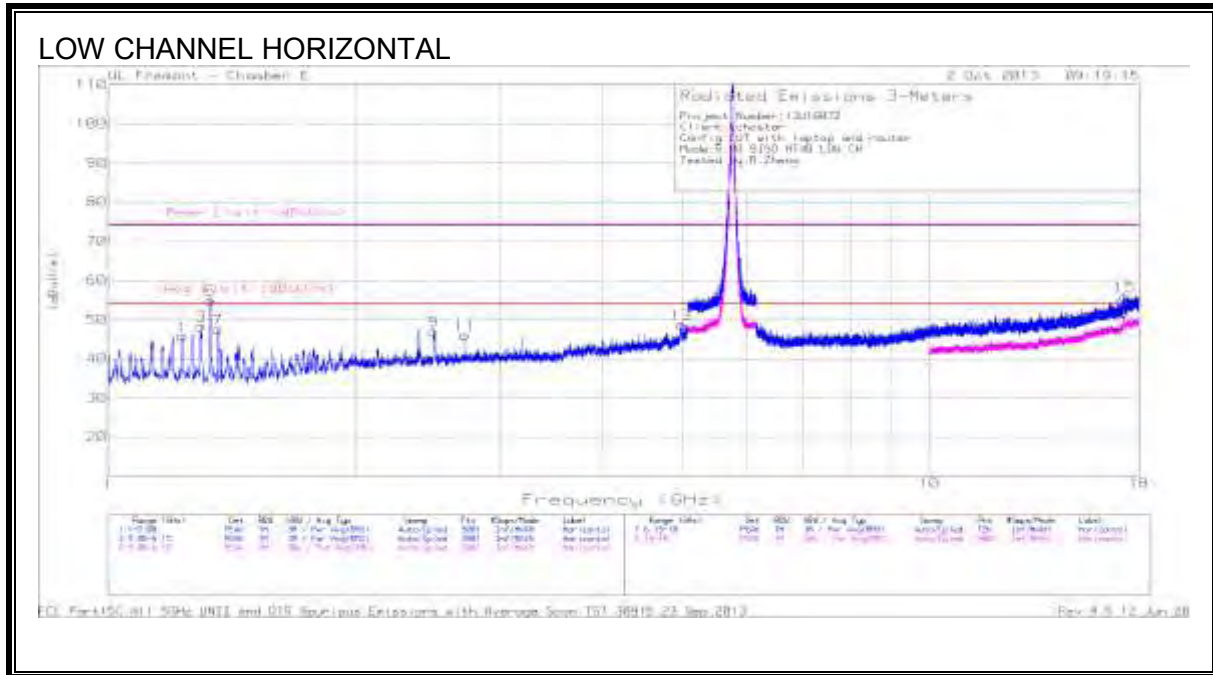
\*Not in Restricted bands

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)	Height (cm)	Polarity
1.361	50.65	AD1	29.0	-34.3	45.35	53.97	-8.62	-	-	212	H
1.598	45.96	AD1	29.5	-34	41.46	53.97	-12.51	-	-	185	H
1.360	55.31	AD1	29.0	-34.3	50.01	53.97	-3.96	-	-	172	V
1.530	38.14	AD1	29.0	-34.6	32.54	53.97	-21.43	-	-	182	V
1.596	45.08	AD1	29.5	-34.1	42.51	53.97	-13.42	-	-	332	V
2.388	47.96	AD1	32.6	-33.5	47.06	53.97	-6.91	-	-	303	V
2.499	42.97	AD1	32.7	-32.3	42.37	53.97	-11.60	-	-	169	V
3.882	39.00	AD1	33.8	-31.0	41.80	53.97	-12.17	-	-	209	V
4.987	35.50	AD1	34.4	-29.4	40.50	53.97	-13.45	-	-	239	V
11.650	33.71	AD1	38.8	-24.9	47.61	53.97	-6.36	-	-	136	V

AD1 - KDB 789033 v01r02 Method: AD Primary Power Average

## 9.2.12. TX ABOVE 1 GHz 802.11n HT40 SISO MODE IN THE 5.8 GHz BAND

### HARMONICS AND SPURIOUS EMISSIONS

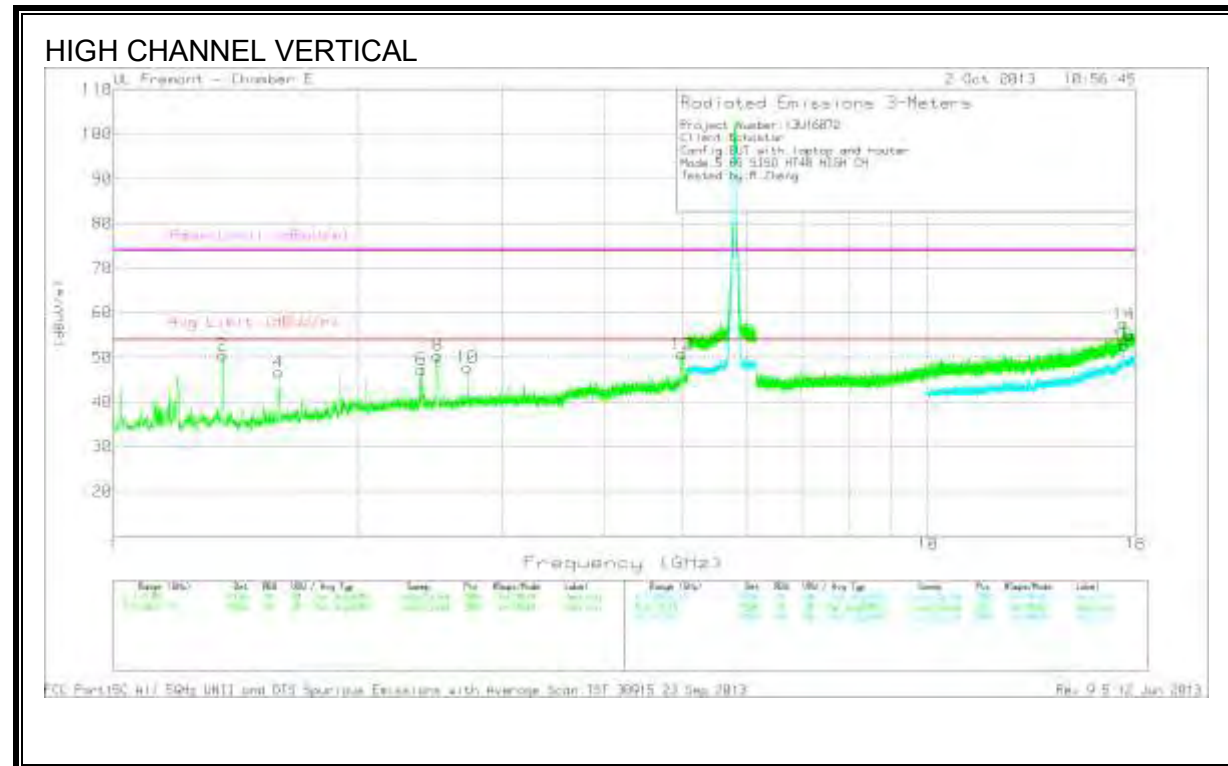
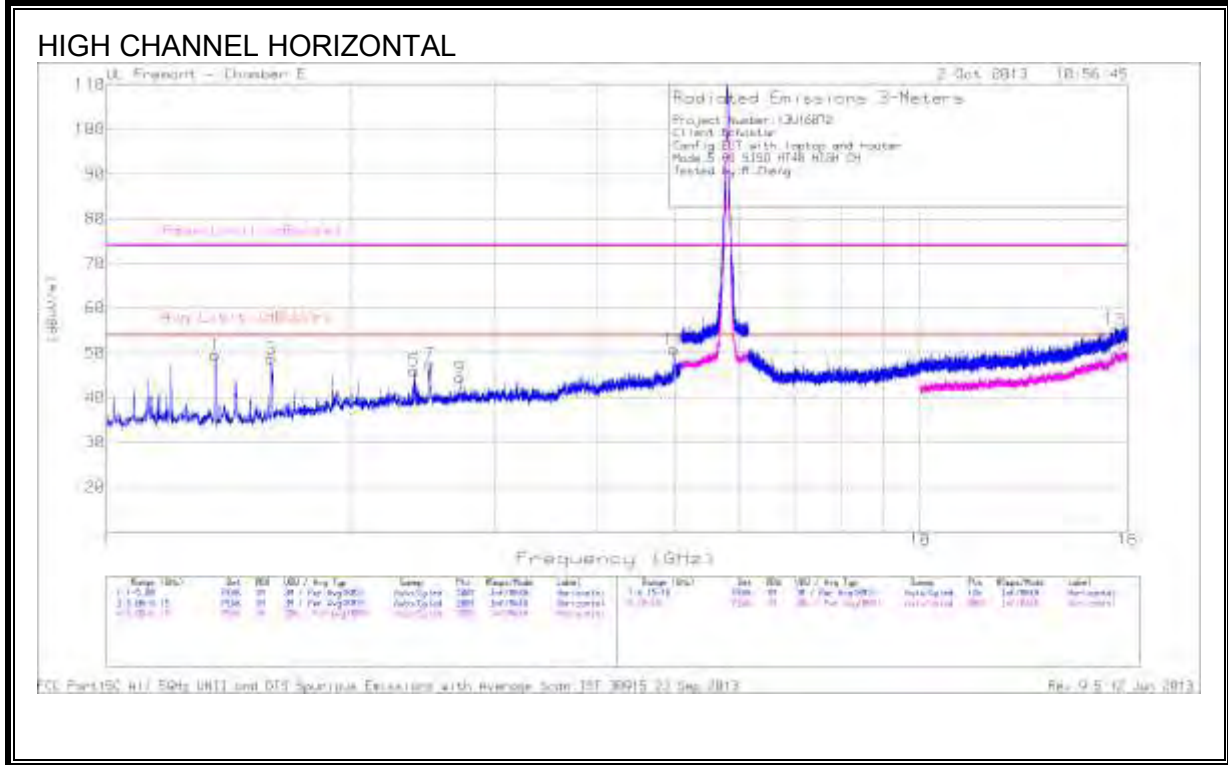


Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/ 5GHz LPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarit y
1	1.23	51.5	PK	29.1	-34.8	45.8	53.97	-8.17	74	-28.2	99	H
3	1.297	53.86	PK	29.1	-34.6	48.36	53.97	-5.61	74	-25.64	199	H
5	1.333	60.08	PK	29.1	-34.3	54.88	-	-	74	-19.12	199	H
7	1.361	52.9	PK	29	-34.3	47.6	53.97	-6.37	74	-26.4	199	H
9	2.492	46.78	PK	32.7	-32.4	47.08	53.97	-6.89	74	-26.92	199	H
11	2.72	45.4	PK	33.1	-32.5	46	53.97	-7.97	74	-28	199	H
13	4.987	43.71	PK	34.4	-29.4	48.71	53.97	-5.26	74	-25.29	199	H
2	1.233	53.68	PK	29.1	-34.8	47.98	53.97	-5.99	74	-26.02	199	V
4	1.299	53.81	PK	29.1	-34.6	48.31	53.97	-5.66	74	-25.69	100	V
6	1.333	59.62	PK	29.1	-34.3	54.42	-	-	74	-19.58	199	V
8	1.361	57.25	PK	29	-34.3	51.95	53.97	-2.02	74	-22.05	199	V
10	2.499	51.48	PK	32.7	-32.3	51.88	53.97	-2.09	74	-22.12	199	V
12	2.721	48.28	PK	33.1	-32.5	48.88	53.97	-5.09	74	-25.12	199	V
14	4.978	45.88	PK	34.4	-29.8	50.48	53.97	-3.49	74	-23.52	100	V
*15	17.293	35	PK	41.5	-20.7	55.8	-	-	-	-	199	H
*17	17.263	31.35	PK (VB)	41.4	-21.2	51.55	-	-	-	-	199	H
*16	17.272	38.27	PK	41.4	-21	58.67	-	-	-	-	200	V
*18	17.27	34.56	PK (VB)	41.4	-21.1	54.86	-	-	-	-	199	V

PK - Peak detector  
 \*Not in Restricted Band

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)	Height (cm)	Polarity
1.295	44.59	MAv1	29.1	-34.6	39.09	53.97	-14.88	-	-	150	H
1.331	49.02	MAv1	29.1	-34.3	43.82	53.97	-10.15	-	-	155	H
4.981	32.88	MAv1	34.4	-29.7	37.58	53.97	-16.39	-	-	221	H
1.295	45.93	MAv1	29.1	-34.6	40.43	53.97	-13.54	-	-	178	V
1.332	51.91	MAv1	29.1	-34.3	46.71	53.97	-7.26	-	-	135	V
1.36	56.06	MAv1	29.0	-34.3	50.76	53.97	-3.21	-	-	129	V
2.499	43.65	MAv1	32.7	-32.3	44.05	53.97	-9.92	-	-	146	V
2.720	44.24	MAv1	33.1	-32.5	44.84	53.97	-9.13	-	-	246	V
4.980	33.43	MAv1	34.4	-29.7	38.13	53.97	-15.84	-	-	230	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average





**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.361	54.85	PK	29	-34.3	0	49.55	53.97	-4.42	74	-24.45	199	H
2	1.361	55.86	PK	29	-34.3	0	50.56	53.97	-3.41	74	-23.44	199	V
3	1.594	53.42	PK	29.4	-34.1	0	48.72	53.97	-5.25	74	-25.28	199	H
4	1.596	51.26	PK	29.5	-34.1	0	46.66	53.97	-7.31	74	-27.34	199	V
5	2.389	46.95	PK	32.6	-33.5	0	46.05	53.97	-7.92	74	-27.95	100	H
6	2.388	48.23	PK	32.6	-33.5	0	47.33	53.97	-6.64	74	-26.67	199	V
7	2.497	47.04	PK	32.7	-32.3	0	47.44	53.97	-6.53	74	-26.56	199	H
8	2.500	50.08	PK	32.7	-32.3	0	50.48	53.97	-3.49	74	-23.52	199	V
9	2.720	43.87	PK	33.1	-32.5	0	44.47	53.97	-9.50	74	-29.53	199	H
10	2.721	47.15	PK	33.1	-32.5	0	47.75	53.97	-6.22	74	-26.25	199	V
11	4.979	46.20	PK	34.4	-29.8	0	50.8	53.97	-3.17	74	-23.20	199	H
12	4.994	45.51	PK	34.4	-29.2	0	50.71	53.97	-3.26	74	-23.29	100	V
*13	17.383	33.92	PK	41.6	-20.3	0	55.22	-	-	-	-	199	H
*14	17.406	36.00	PK	41.6	-20.1	0	57.5	-	-	-	-	200	V
*15	17.412	28.26	PK (VB)	41.7	-20.2	0	49.76	-	-	-	-	199	H
*16	17.411	31.19	PK (VB)	41.7	-20.2	0	52.69	-	-	-	-	199	V

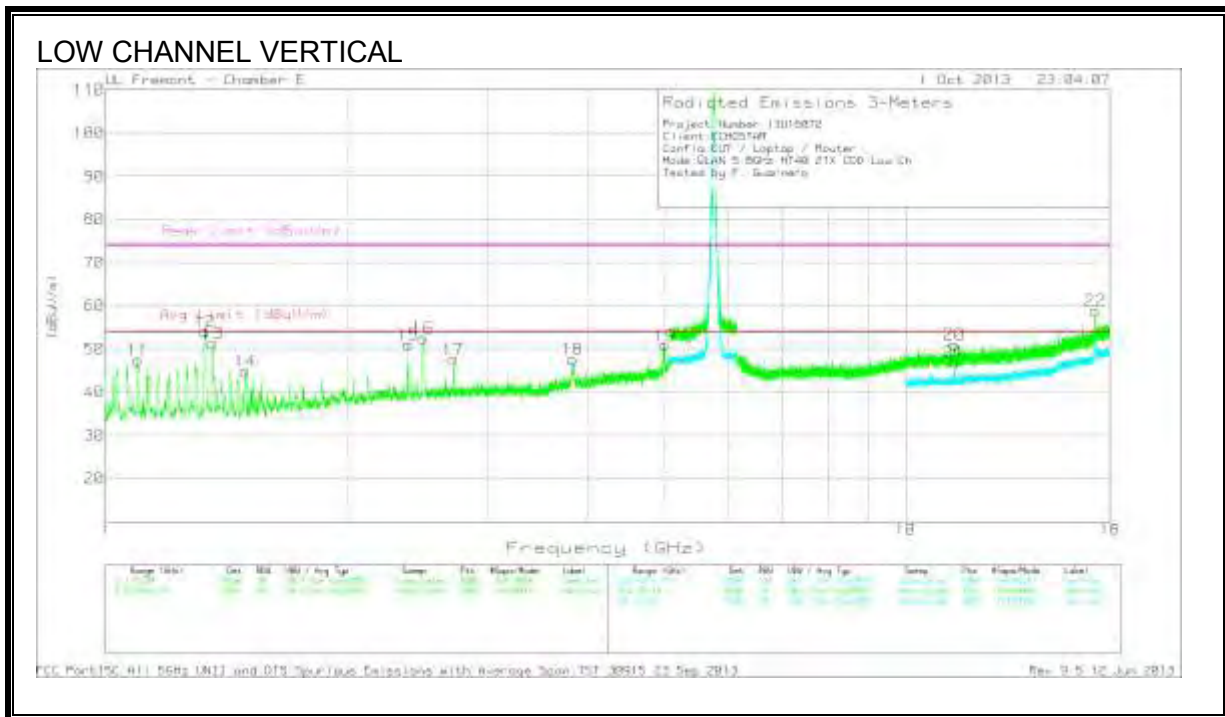
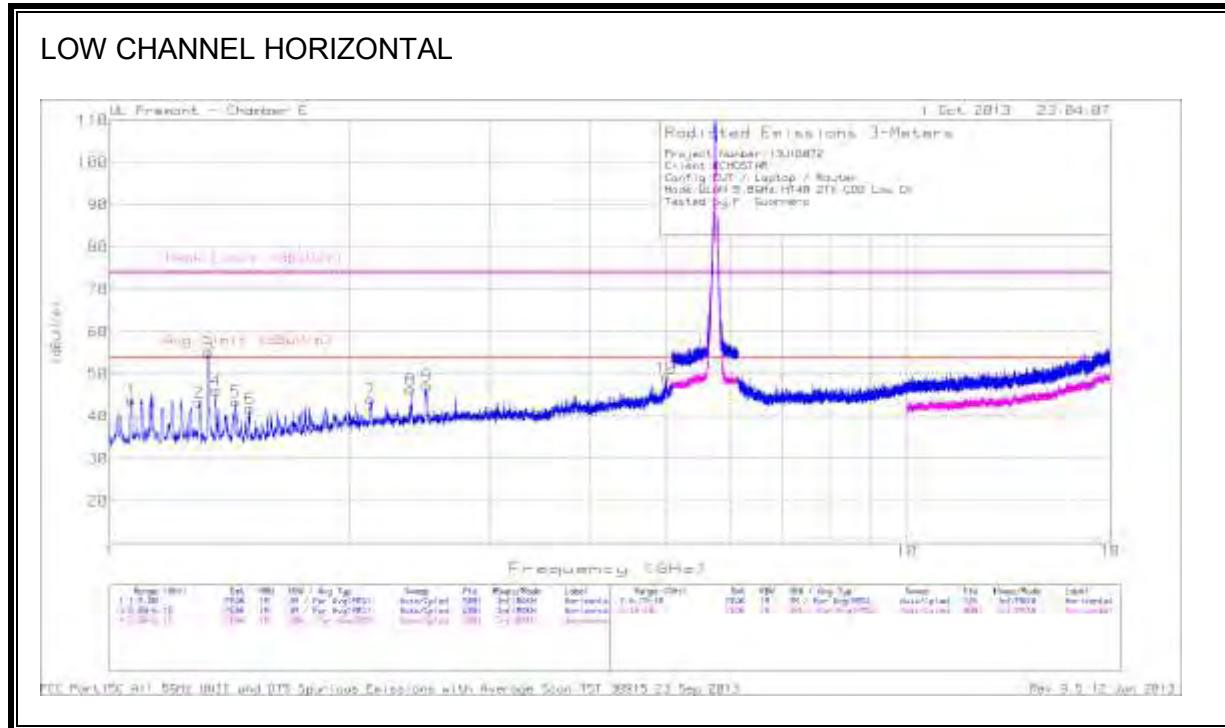
PK - Peak detector  
 \*Not in Restricted Band

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/C bl/5GHz z LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1.360	47.93	MAv1	29	-34.3	.5	43.13	53.97	-10.84	-	-	177	H
1.360	53.87	MAv1	29	-34.3	.5	49.07	53.97	-4.9	-	-	154	V
1.594	38.84	MAv1	29.4	-34.1	.5	34.64	53.97	-19.33	-	-	250	H
2.499	40.6	MAv1	32.7	-32.3	.5	41.5	53.97	-12.47	-	-	188	V
4.975	32.78	MAv1	34.4	-29.9	.5	37.78	53.97	-16.19	-	-	322	H
4.998	32.29	MAv1	34.4	-29.1	.5	38.09	53.97	-15.88	-	-	128	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average

### 9.2.13. TX ABOVE 1 GHz 802.11n HT40 2TX CDD MODE IN THE 5.8 GHz BAND

#### HARMONICS AND SPURIOUS EMISSIONS



**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/5G Hz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.066	50.33	PK	28.4	-34.8	0	43.93	53.97	-10.04	74	-30.07	0-360	199	H
2	1.296	48.88	PK	29.1	-34.6	0	43.38	53.97	-10.59	74	-30.62	0-360	199	H
3	1.33	60.09	PK	29.1	-34.3	0	54.89	-	-	74	-19.11	0-360	199	H
4	1.361	51.42	PK	29	-34.3	0	46.12	53.97	-7.85	74	-27.88	0-360	101	H
5	1.441	49.19	PK	28.9	-34.6	0	43.49	53.97	-10.48	74	-30.51	0-360	101	H
6	1.5	47.76	PK	28.8	-34.7	0	41.86	53.97	-12.11	74	-32.14	0-360	199	H
7	2.127	45.57	PK	32.3	-33.9	0	43.97	53.97	-10	74	-30.03	0-360	199	H
8	2.389	47.25	PK	32.6	-33.5	0	46.35	53.97	-7.62	74	-27.65	0-360	199	H
9	2.501	46.88	PK	32.7	-32.3	0	47.28	53.97	-6.69	74	-26.72	0-360	199	H
10	4.994	43.96	PK	34.4	-29.2	0	49.16	53.97	-4.81	74	-24.84	0-360	199	H
11	1.097	53.89	PK	28.5	-35	0	47.39	53.97	-6.58	74	-26.61	0-360	200	V
12	1.332	59.32	PK	29.1	-34.3	0	54.12	-	-	74	-19.88	0-360	200	V
13	1.361	56.58	PK	29	-34.3	0	51.28	53.97	-2.69	74	-22.72	0-360	200	V
14	1.495	50.84	PK	28.8	-34.8	0	44.84	53.97	-9.13	74	-29.16	0-360	200	V
15	2.389	51.96	PK	32.6	-33.5	0	51.06	53.97	-2.91	74	-22.94	0-360	200	V
16	2.495	52.12	PK	32.7	-32.3	0	52.52	53.97	-1.45	74	-21.48	0-360	100	V
17	2.721	47.05	PK	33.1	-32.5	0	47.65	53.97	-6.32	74	-26.35	0-360	100	V
18	3.833	45.31	PK	33.7	-31.4	0	47.61	53.97	-6.36	74	-26.39	0-360	200	V
19	4.999	45.5	PK	34.4	-29.1	0	50.8	53.97	-3.17	74	-23.2	0-360	100	V

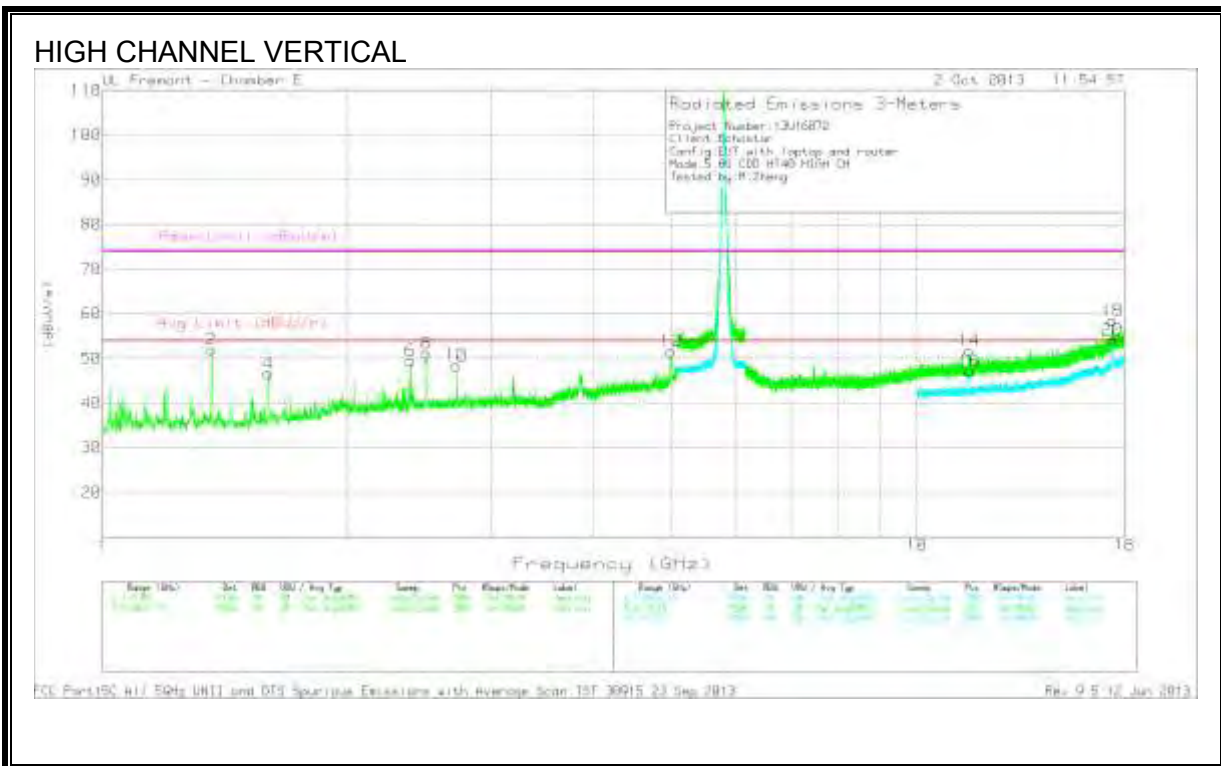
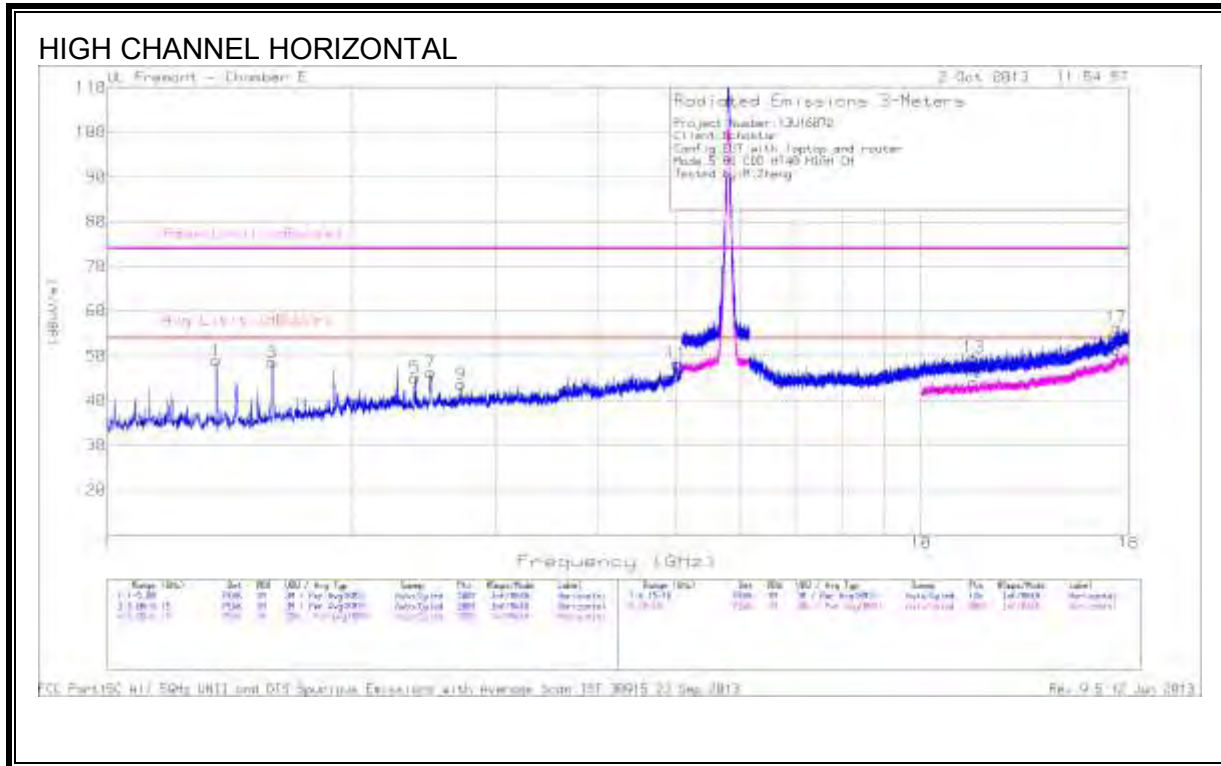
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/6G Hz HPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
20	11.501	37.46	PK	38.7	-25.1	0	51.06	-	-	74	-22.94	0-360	199	V
21	11.51	33.48	PK	38.7	-25.2	0	46.98	53.97	-6.99	-	-	0-360	199	V
*22	17.251	38.78	PK	41.4	-21.3	0	58.88	-	-	-	-	0-360	199	V

PK - Peak detector

\*Not in Restricted Band

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.332	51.62	MAv1	29.1	-34.3	.4	46.82	53.97	-7.15	-	-	55	180	H
4.987	32.92	MAv1	34.4	-29.4	.4	38.32	53.97	-15.65	-	-	175	220	H
1.331	51.84	MAv1	29.1	-34.3	.4	47.04	53.97	-6.93	-	-	117	273	V
1.36	54.17	MAv1	29	-34.3	.4	49.27	53.97	-4.7	-	-	217	217	V
2.388	39.71	MAv1	32.6	-33.5	.4	39.21	53.97	-14.76	-	-	248	251	V
2.496	41.09	MAv1	32.7	-32.3	.4	41.89	53.97	-12.08	-	-	51	205	V
4.998	33.39	MAv1	34.4	-29.1	.4	39.09	53.97	-14.88	-	-	244	273	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average



**DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.361	54.26	PK	29	-34.3	0	48.96	53.97	-5.01	74	-25.04	0-360	199	H
3	1.594	53.3	PK	29.4	-34.1	0	48.6	53.97	-5.37	74	-25.4	0-360	199	H
5	2.389	45.96	PK	32.6	-33.5	0	45.06	53.97	-8.91	74	-28.94	0-360	199	H
7	2.495	45.9	PK	32.7	-32.3	0	46.3	53.97	-7.67	74	-27.7	0-360	199	H
9	2.72	43.11	PK	33.1	-32.5	0	43.71	53.97	-10.26	74	-30.29	0-360	199	H
11	5.002	43.02	PK	34.4	-29.1	0	48.32	53.97	-5.65	74	-25.68	0-360	199	H
2	1.361	57.28	PK	29	-34.3	0	51.98	53.97	-1.99	74	-22.02	0-360	200	V
4	1.597	51.2	PK	29.5	-34.1	0	46.6	53.97	-7.37	74	-27.4	0-360	200	V
6	2.389	50.39	PK	32.6	-33.5	0	49.49	53.97	-4.48	74	-24.51	0-360	100	V
8	2.5	50.73	PK	32.7	-32.3	0	51.13	53.97	-2.84	74	-22.87	0-360	100	V
10	2.721	47.77	PK	33.1	-32.5	0	48.37	53.97	-5.6	74	-25.63	0-360	100	V
12	4.995	46.41	PK	34.4	-29.2	0	51.61	53.97	-2.36	74	-22.39	0-360	100	V

PK - Peak detector

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/6 GHz HPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV /m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
13	11.608	36.36	PK	38.7	-25.4	0	49.66	53.97	-4.31	74	-24.34	0-360	199	H
15	11.597	30.81	PK (VB)	38.7	-25.3	0	44.21	53.97	-9.76	-	-	0-360	199	H
17	*17.386	35.09	PK	41.6	-20.3	0	56.39	-	-	-	-	0-360	199	H
19	*17.388	30.09	PK (VB)	41.6	-20.3	0	51.39	-	-	-	-	0-360	199	H
14	11.592	38.4	PK	38.7	-25.3	0	51.8	53.97	-2.17	74	-22.2	0-360	100	V
16	11.606	33.87	PK (VB)	38.7	-25.4	0	47.17	53.97	-6.8	-	-	0-360	101	V
18	*17.39	37.11	PK	41.6	-20.3	0	58.41	-	-	-	-	0-360	199	V
20	*17.38	32.86	PK (VB)	41.6	-20.3	0	54.16	-	-	-	-	0-360	199	V

PK - Peak detector

\*Not in Restricted Band

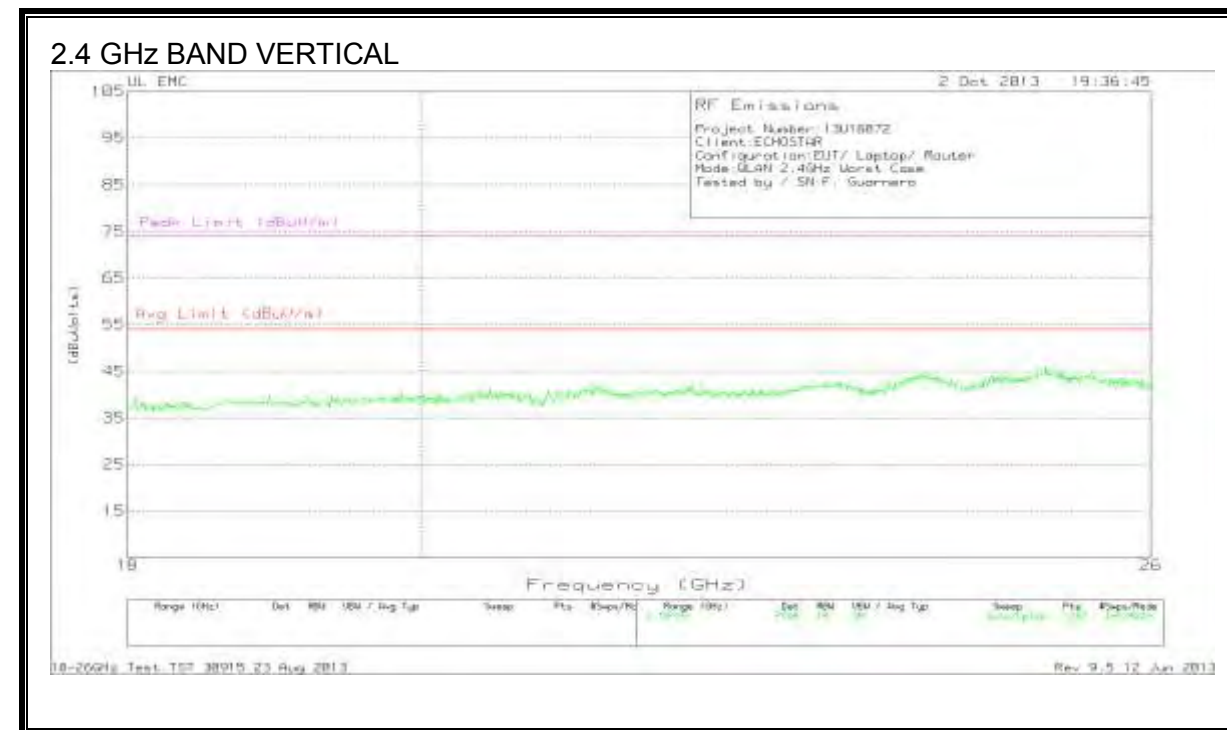
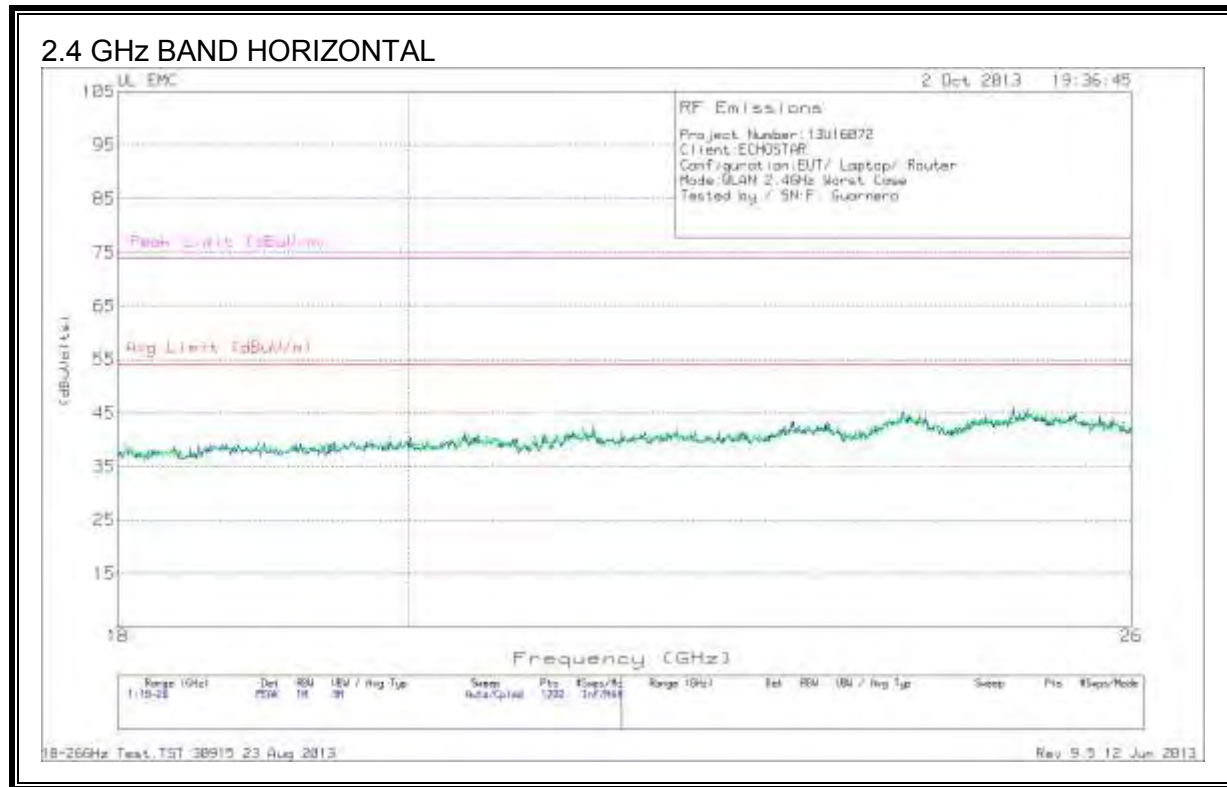
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV /m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.36	48.05	MAv1	29	-34.3	.5	43.25	53.97	-10.72	-	-	174	295	H
1.597	41.04	MAv1	29.5	-34.1	.5	36.94	53.97	-17.03	-	-	54	341	H
4.991	33	MAv1	34.4	-29.3	.5	38.6	53.97	-15.37	-	-	26	179	H
1.36	55.35	MAv1	29	-34.3	.5	50.55	53.97	-3.42	-	-	8	190	V
2.388	44.51	MAv1	32.6	-33.5	.5	44.11	53.97	-9.86	-	-	308	200	V
2.499	40.68	MAv1	32.7	-32.3	.5	41.58	53.97	-12.39	-	-	11	201	V
2.72	44.9	MAv1	33.1	-32.5	.5	46	53.97	-7.97	-	-	39	109	V
4.997	34.65	MAv1	34.4	-29.1	.5	40.45	53.97	-13.52	-	-	12	103	V

MAv1 - KDB558074 V03r01 Option 1 Maximum RMS Average

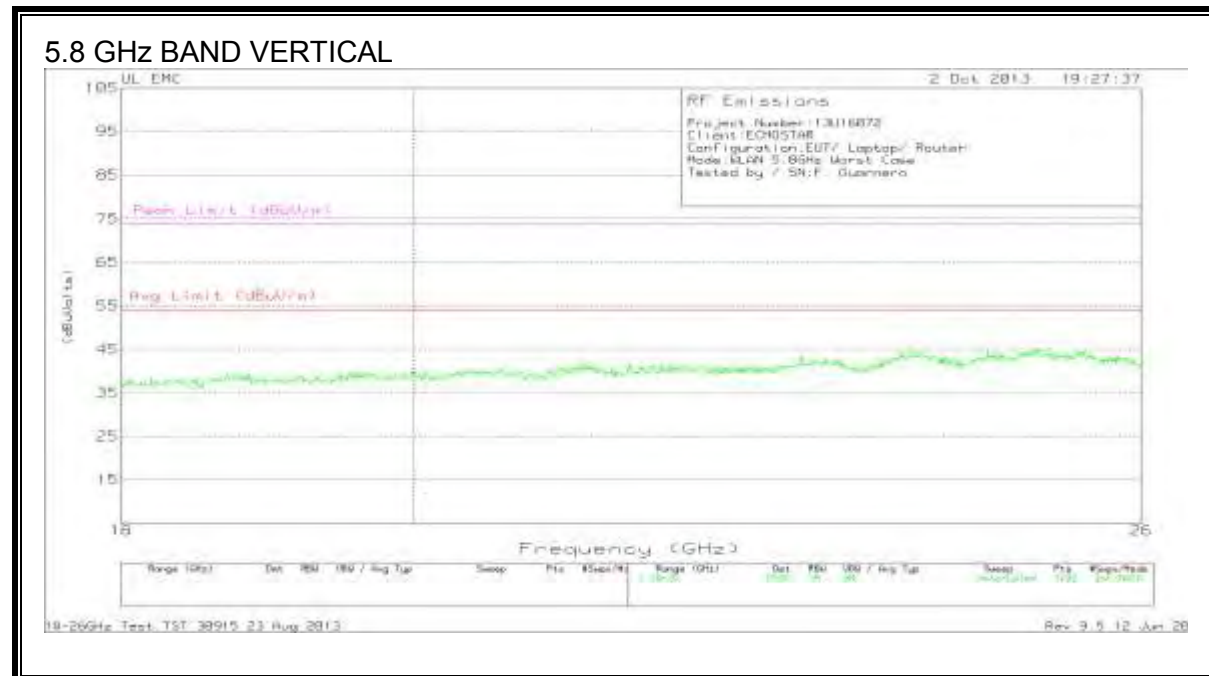
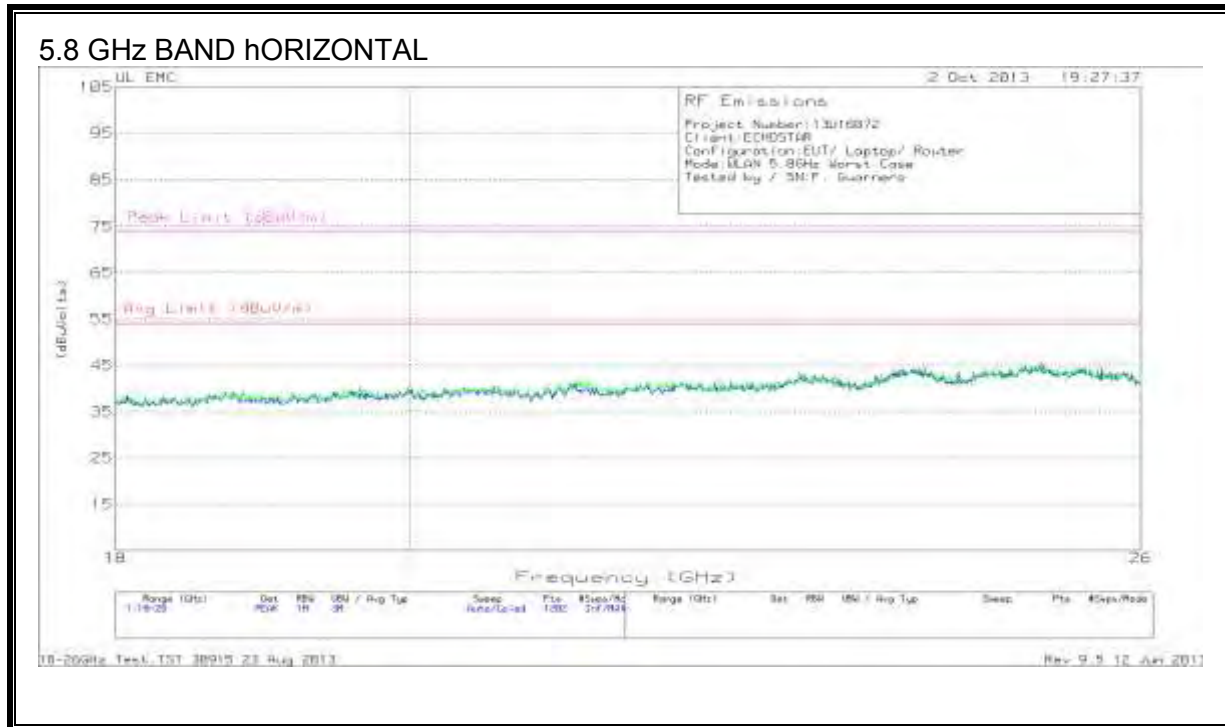


### 9.3. WORST-CASE ABOVE 18 GHz

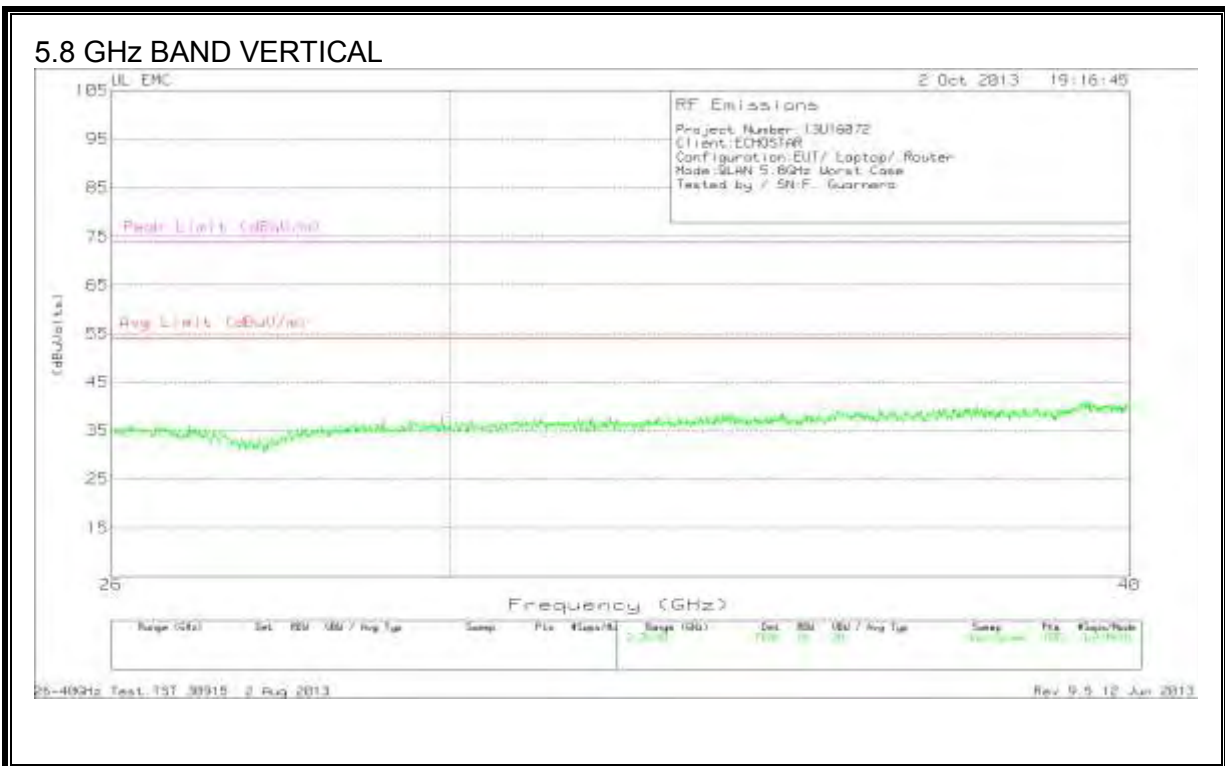
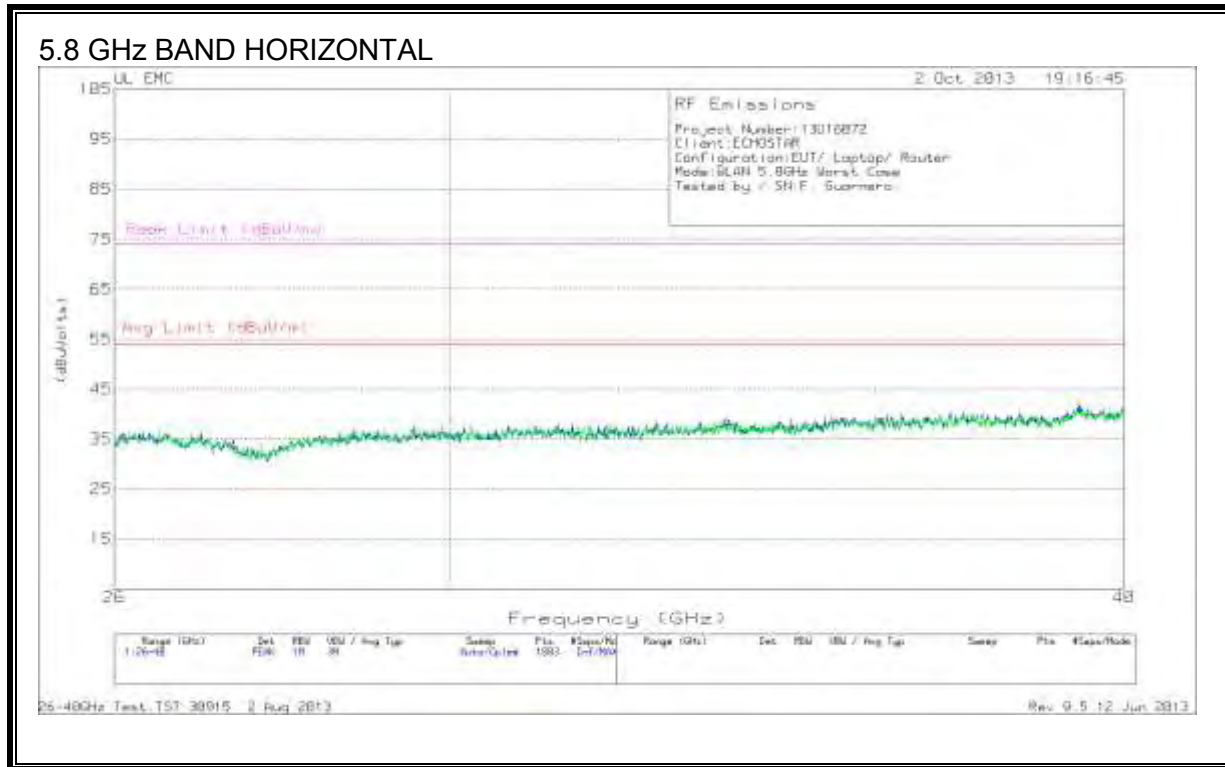
#### SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION)



**SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION)**

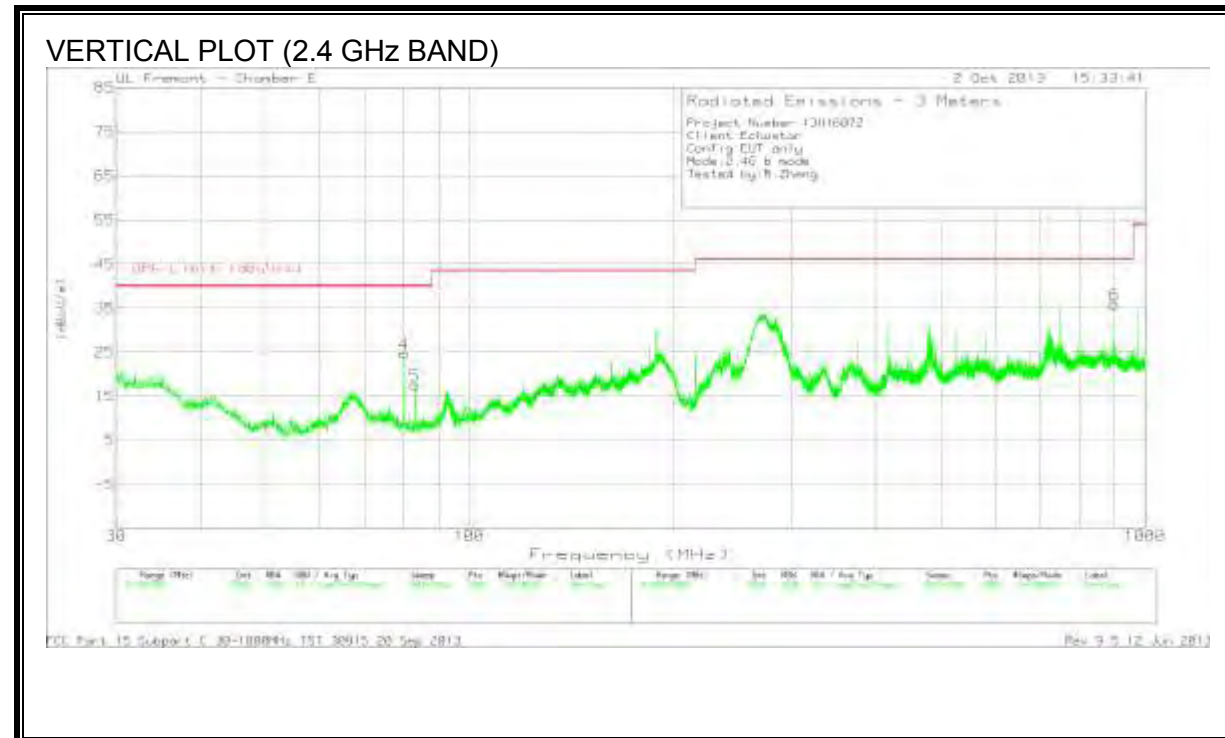
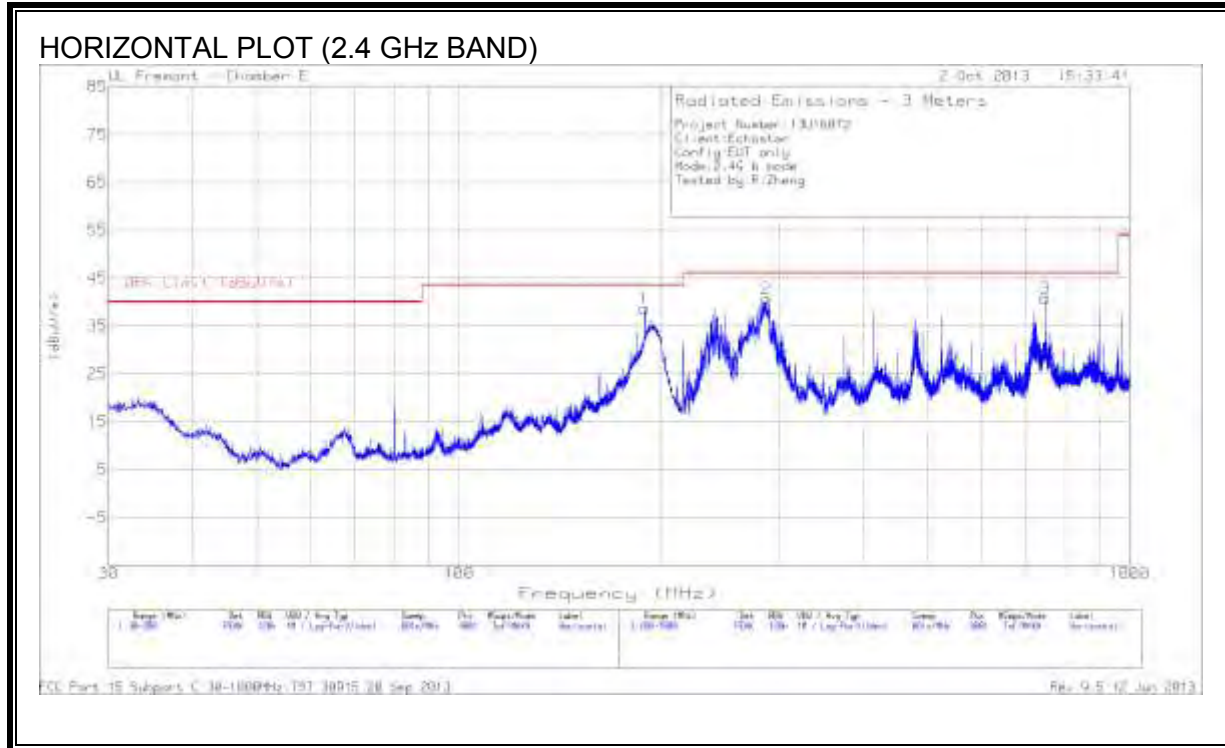


**SPURIOUS EMISSIONS 26 TO 40 GHz (WORST-CASE CONFIGURATION)**



### 9.4. WORST-CASE BELOW 1 GHz

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



**DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	188.9925	53.82	PK	11.3	-26.6	38.52	43.52	-5	0-360	98	H
4	80.0225	44.62	PK	7.7	-27.7	24.62	40	-15.38	0-360	100	V
5	83.0825	37.7	PK	7.5	-27.7	17.5	40	-22.5	0-360	100	V
2	287.1	53.68	PK	13.5	-26.5	40.68	46.02	-5.34	0-360	99	H
3	747.7	46.22	PK	20.8	-26.2	40.82	46.02	-5.2	0-360	99	H
6	900	39.81	PK	22.5	-26.5	35.81	46.02	-10.21	0-360	99	V

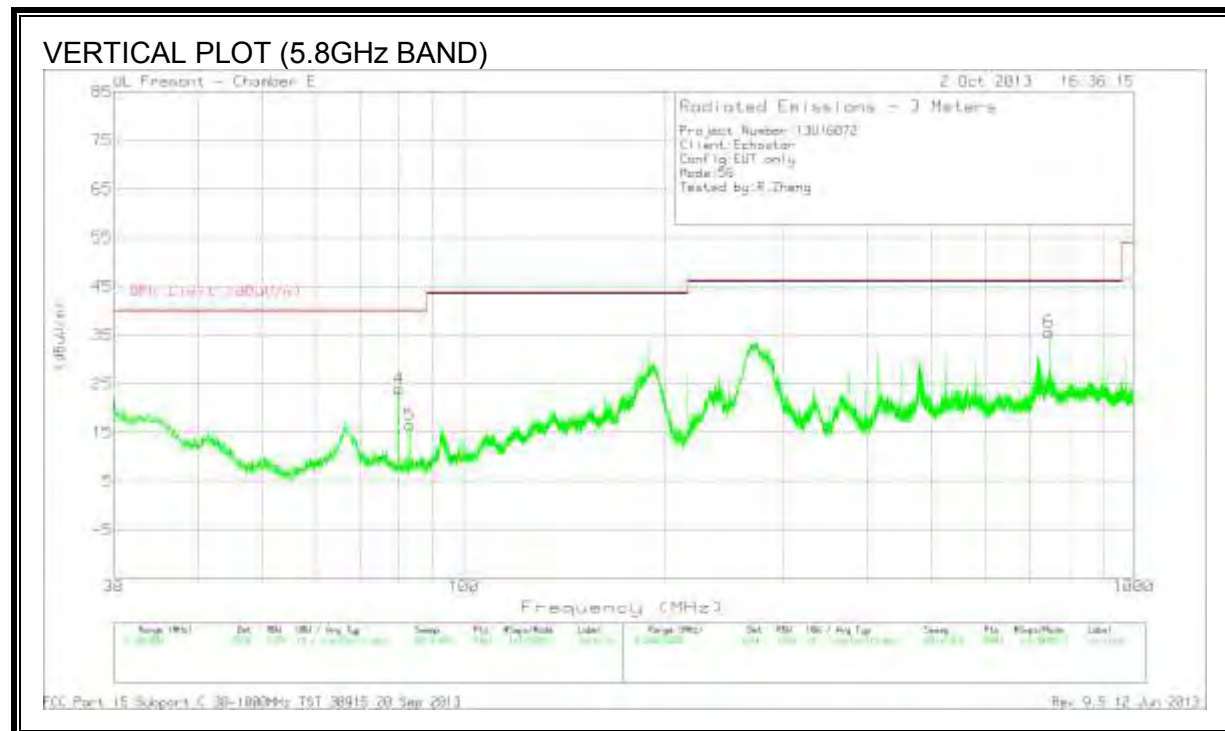
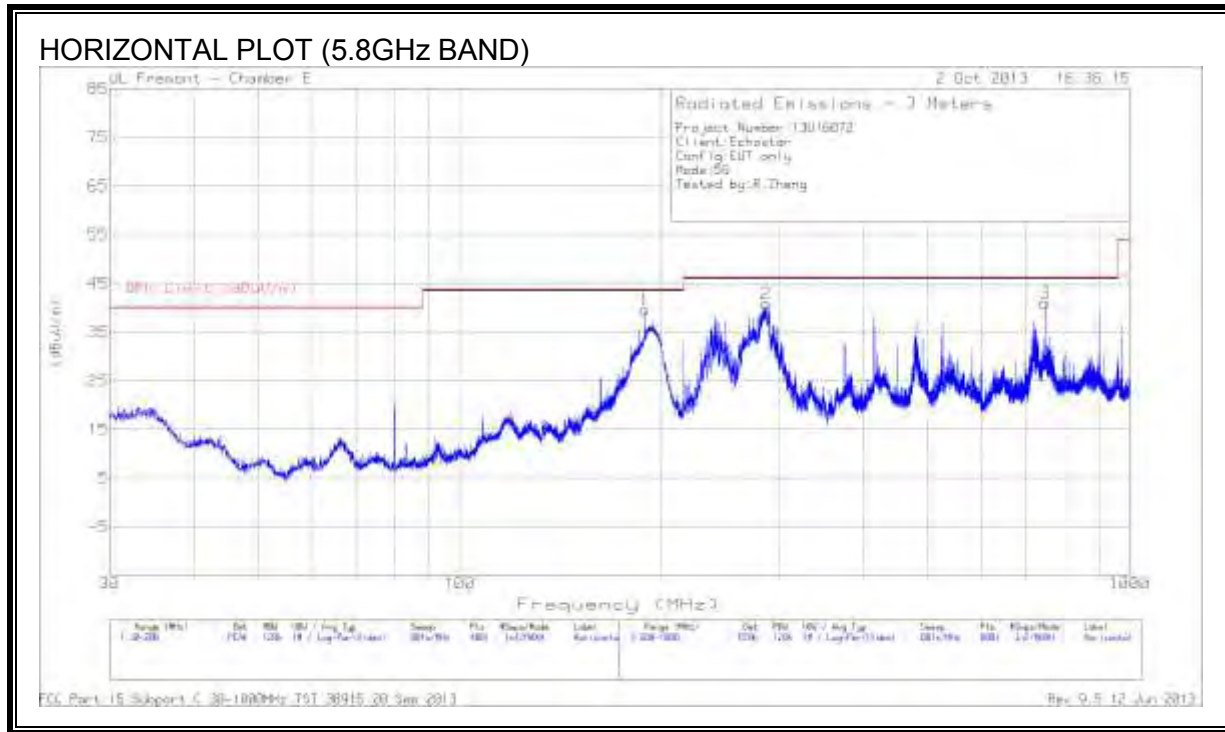
PK - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
189.0002	53.94	QP	11.3	-31.1	0	34.14	43.52	-9.38	222	125	H
287.3466	47.55	QP	13.3	-30.8	0	30.05	46.02	-15.97	354	107	H
747.7053	51.87	QP	20.7	-29.8	0	42.77	46.02	-3.25	104	114	H

QP – Quasi-Peak detection

FCC Part 15 Subpart C 30-1000MHz.TST 30915 20 Sep 2013 Rev 9.5 12 Jun 2013

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



**DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	188.9925	54.87	PK	11.3	-26.6	39.57	43.52	-3.95	0-360	200	H
4	79.98	43.91	PK	7.7	-27.7	23.91	40	-16.09	0-360	100	V
5	83.0825	36.75	PK	7.5	-27.7	16.55	40	-23.45	0-360	100	V
2	286.6	53.82	PK	13.5	-26.5	40.82	46.02	-5.2	0-360	99	H
3	747.7	46.39	PK	20.8	-26.2	40.99	46.02	-5.03	0-360	99	H
6	747.7	41.02	PK	20.8	-26.2	35.62	46.02	-10.4	0-360	200	V

PK - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
189.2108	54.43	QP	11.3	-31.1	.2	34.83	43.52	-8.69	65	179	H
286.1346	50.75	QP	13.3	-30.8	.2	33.45	46.02	-12.57	59	146	H
747.705	52.69	QP	20.7	-29.8	.2	43.79	46.02	-2.23	302	122	H

QP - Quasi-Peak detector

FCC Part 15 Subpart C 30-1000MHz.TST 30915 20 Sep 2013 Rev 9.5 12 Jun 2013

## 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.

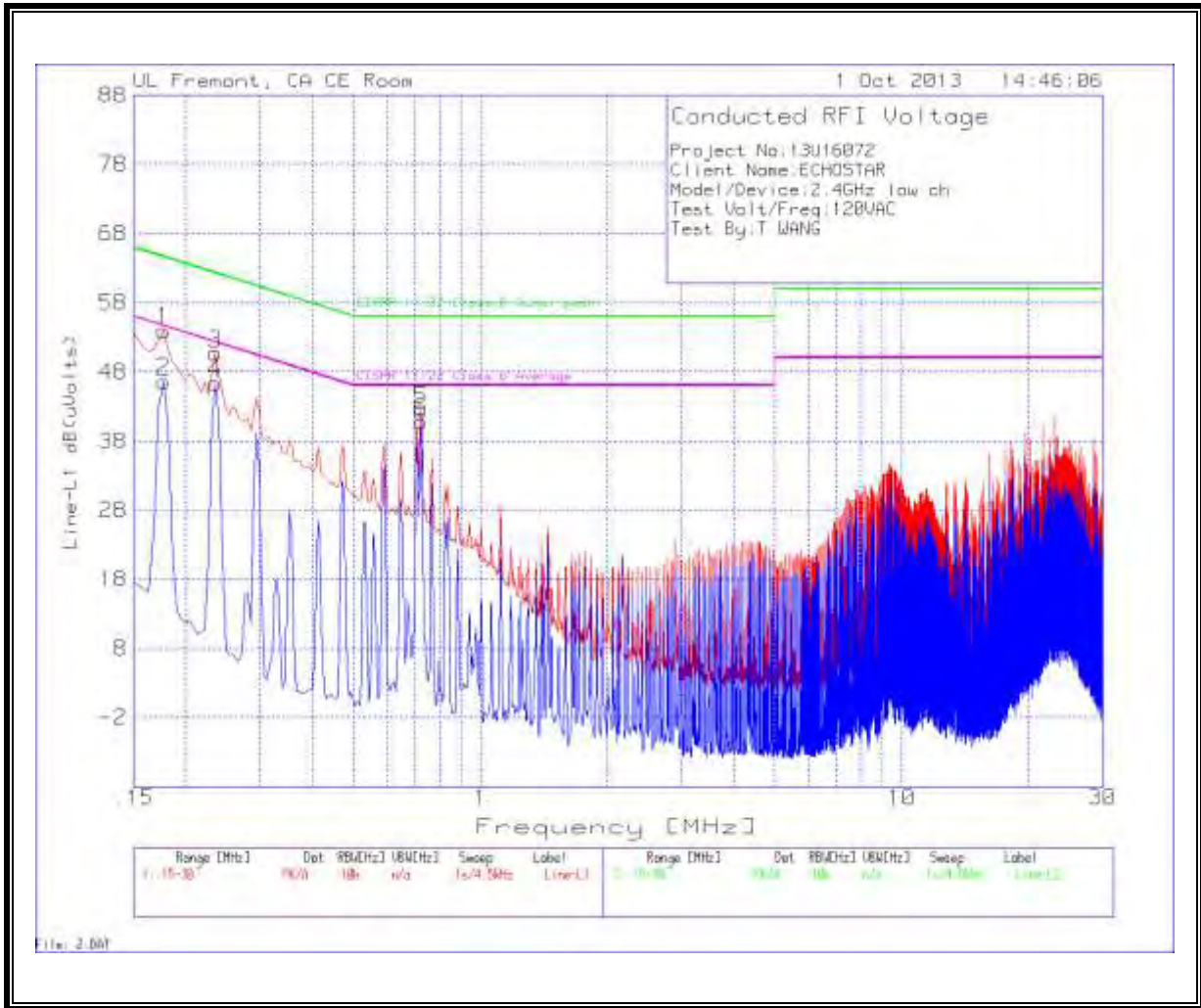
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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



**RESULTS**

**LINE 1 RESULTS**



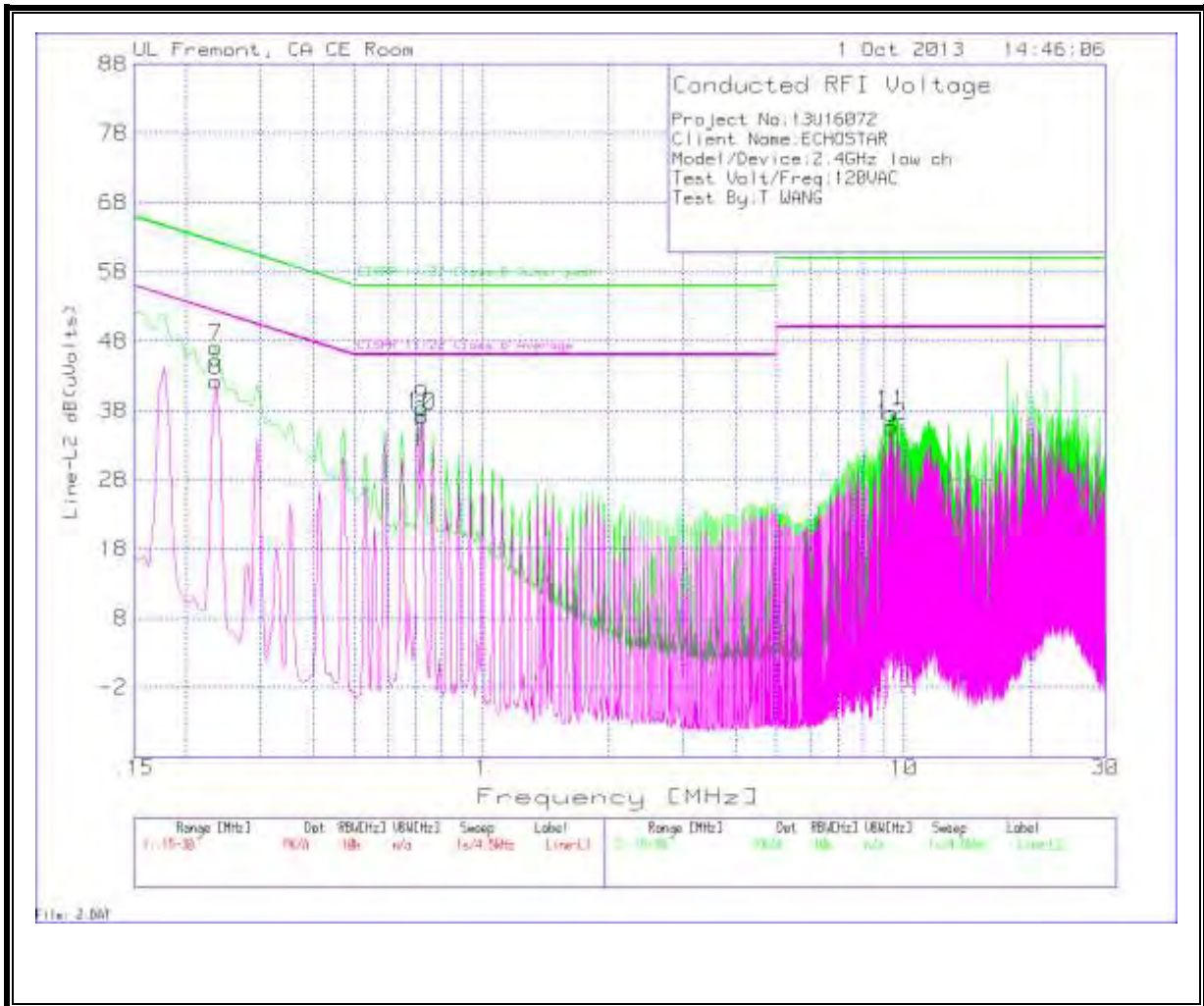
Line-L1 .15 - 30MHz

Trace Markers

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	.177	53.86	PK	.1	0	53.96	64.6	-10.64	-	-
2	.177	46.55	Av	.1	0	46.65	-	-	54.6	-7.95
3	.2355	50.57	PK	.1	0	50.67	62.3	-11.63	-	-
4	.2355	46.27	Av	.1	0	46.37	-	-	52.3	-5.93
5	.7215	42.44	PK	.1	0	42.54	56	-13.46	-	-
6	.7215	40.68	Av	.1	0	40.78	-	-	46	-5.22

PK - Peak detector  
 Av - average detection

**LINE 2 RESULTS**



Line-L2 .15 - 30MHz

**Trace Markers**

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)
7	.2355	47.04	PK	.1	0	47.14	62.3	-15.16	-	-
8	.2355	42.07	Av	.1	0	42.17	-	-	52.3	-10.13
9	.7215	38.2	PK	.1	0	38.3	56	-17.7	-	-
10	.7215	37.1	Av	.1	0	37.2	-	-	46	-8.8
11	9.3255	37.39	PK	.1	.1	37.59	60	-22.41	-	-
12	9.3255	35.45	Av	.1	.1	35.65	-	-	50	-14.35

PK - Peak detector  
 Av - average detection