8.5.4. OUTPUT POWER

LIMITS

FCC §15.247

IC RSS-210 A8.4

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

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.21	3.92	4.07

RESULTS

Limits

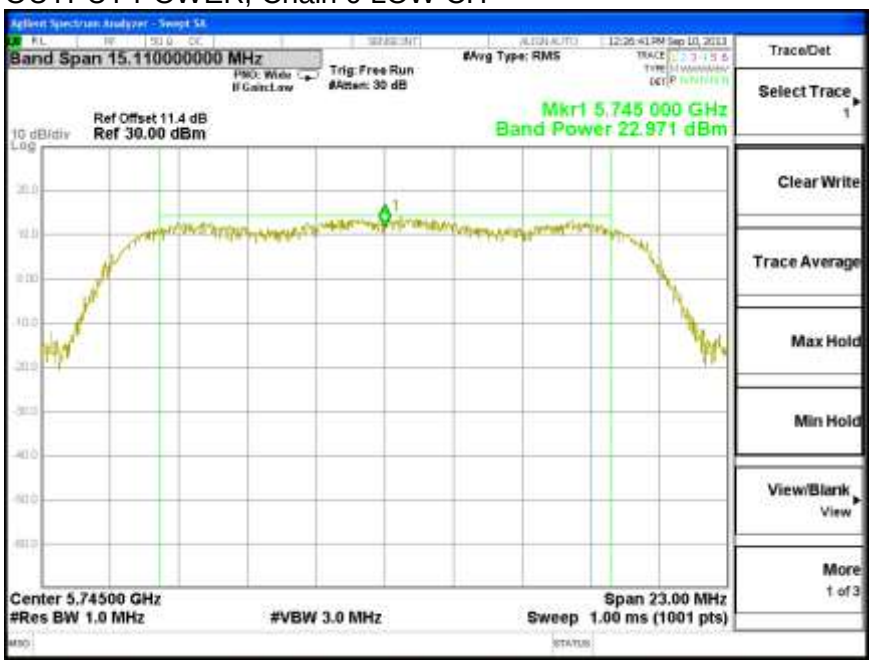
Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5745	4.07	30.00	30	36	30.00
Mid	5785	4.07	30.00	30	36	30.00
High	5825	4.07	30.00	30	36	30.00

Results

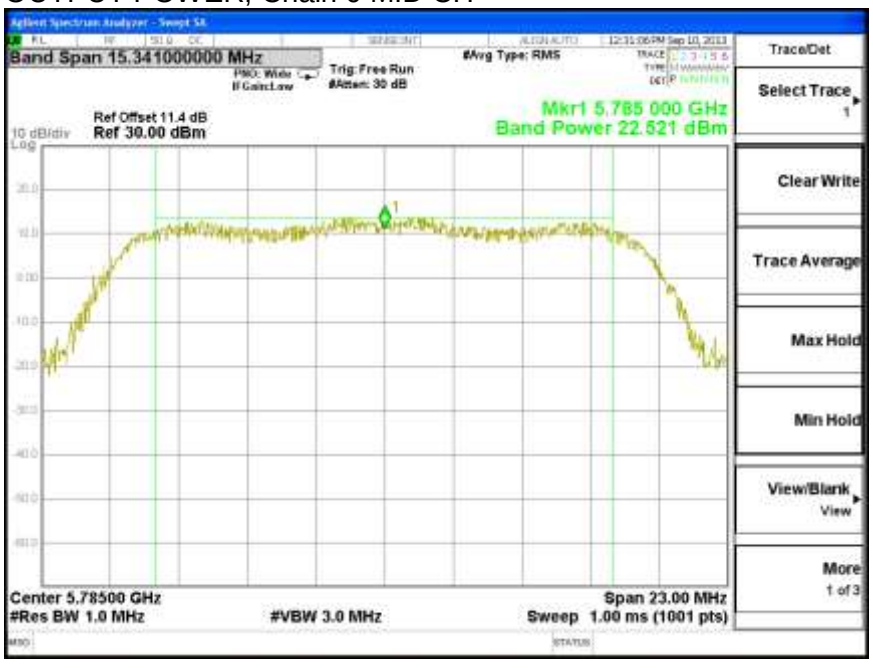
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	5745	22.971	22.426	25.72	30.00	-4.28
Mid	5785	22.521	22.002	25.28	30.00	-4.72
High	5825	22.539	22.014	25.29	30.00	-4.71

OUTPUT POWER, Chain 0

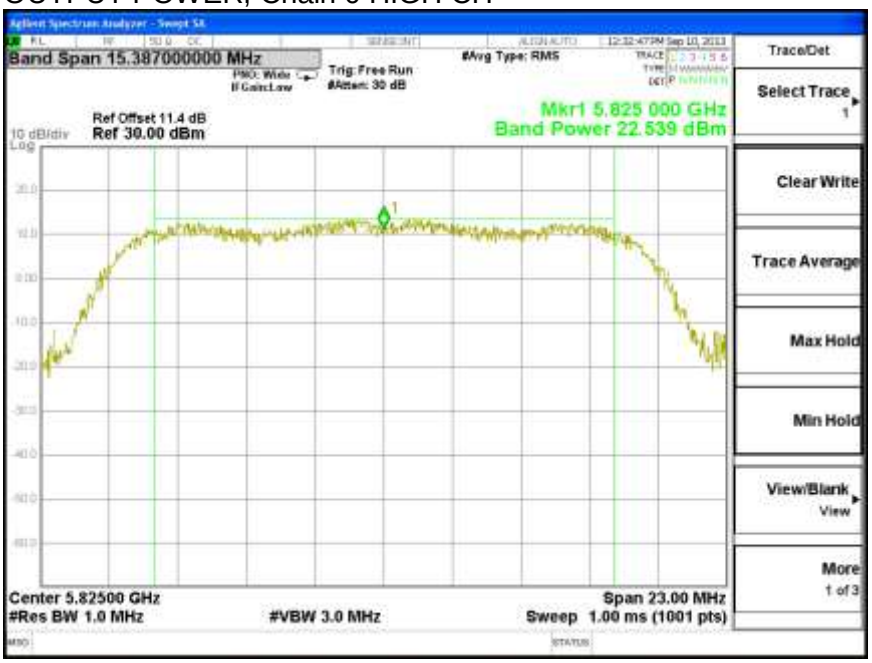
OUTPUT POWER, Chain 0 LOW CH



OUTPUT POWER, Chain 0 MID CH

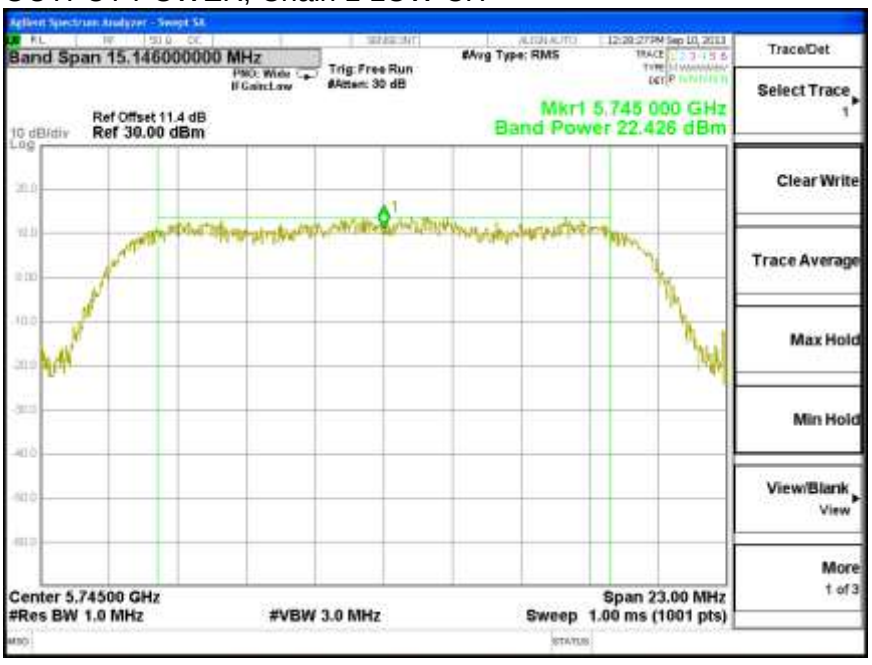


OUTPUT POWER, Chain 0 HIGH CH

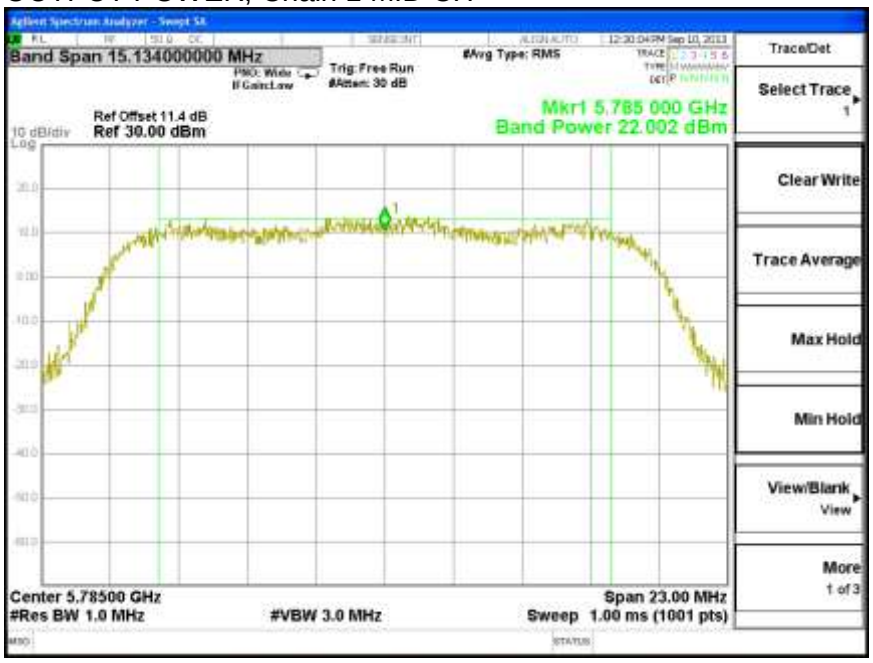


OUTPUT POWER, Chain 1

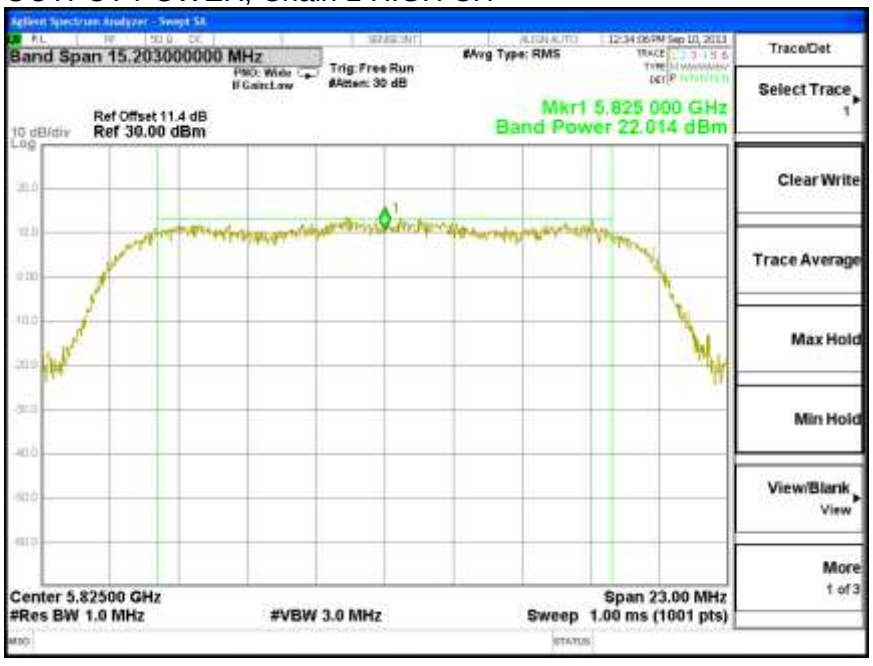
OUTPUT POWER, Chain 1 LOW CH



OUTPUT POWER, Chain 1 MID CH



OUTPUT POWER, Chain 1 HIGH CH



8.5.5. PSD

LIMITS

FCC §15.247

IC RSS-210 A8.2

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

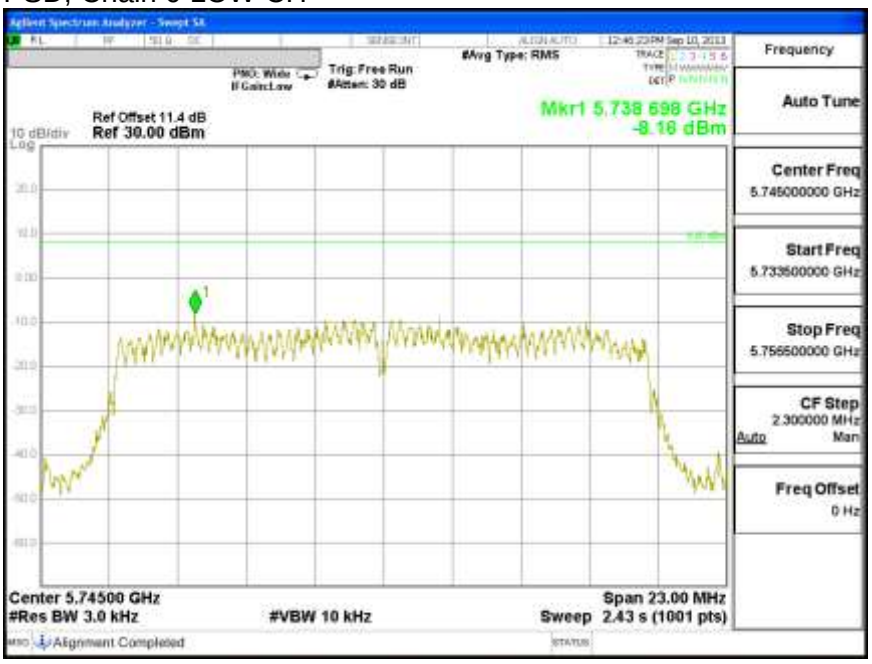
RESULTS

PSD Results

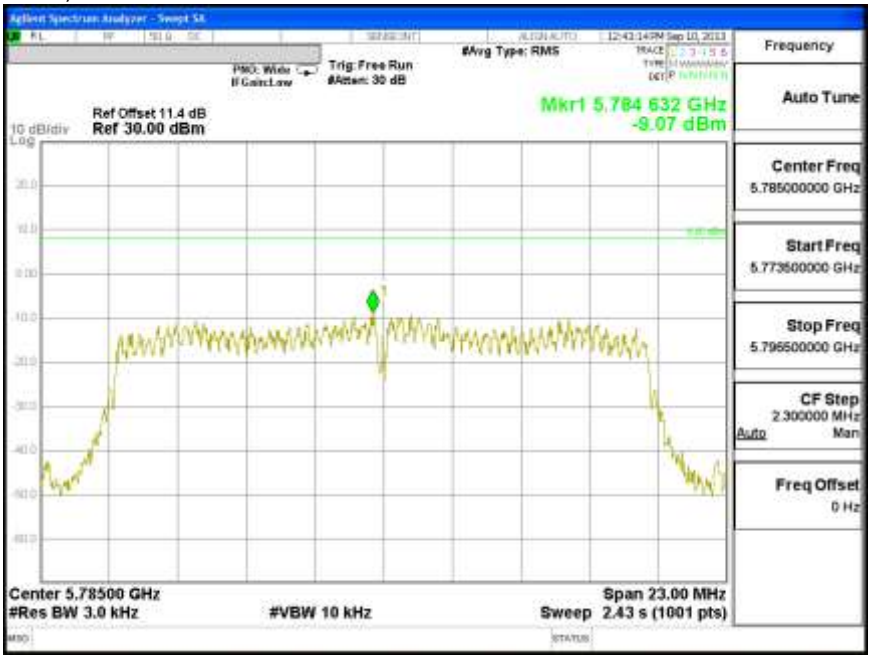
Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Chain 1 Meas (dBm)	Total PSD (dBm)	Limit (dBm)	Margin (dB)
Low	5745	-8.16	-9.24	-5.66	8.0	-13.7
Mid	5785	-9.07	-9.65	-6.34	8.0	-14.3
High	5825	-8.35	-6.80	-4.50	8.0	-12.5

PSD, Chain 0

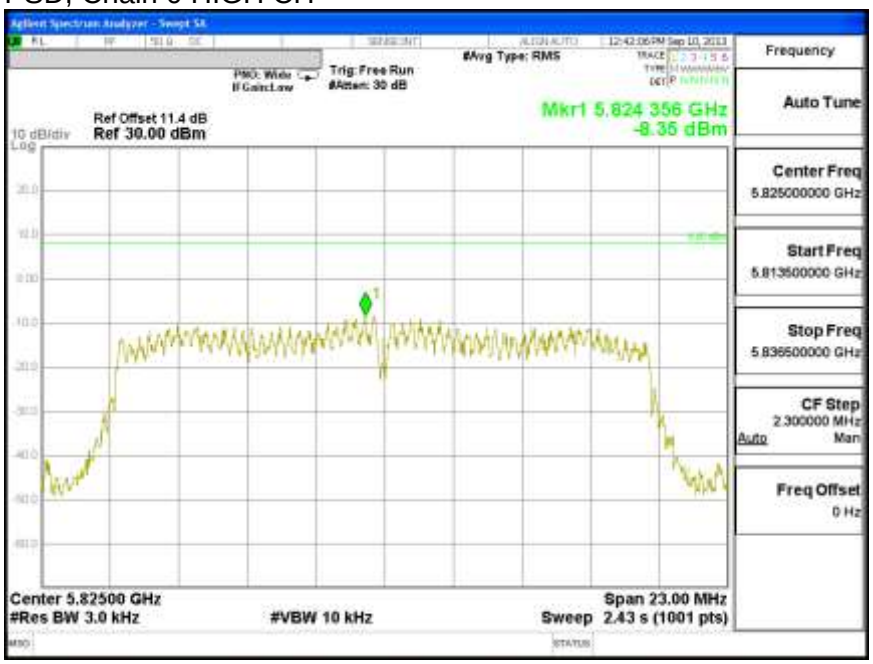
PSD, Chain 0 LOW CH



PSD, Chain 0 MID CH

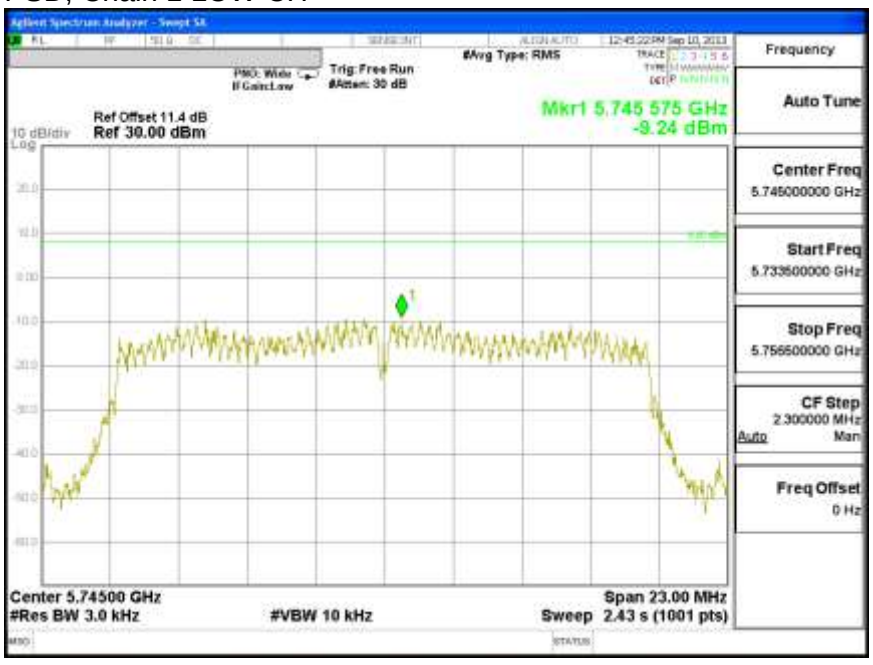


PSD, Chain 0 HIGH CH

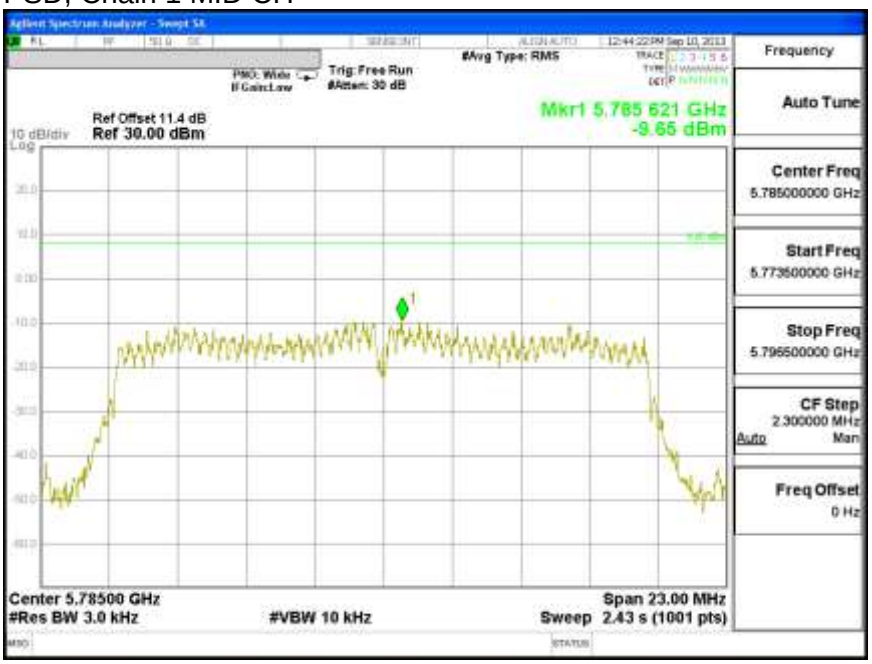


PSD, Chain 1

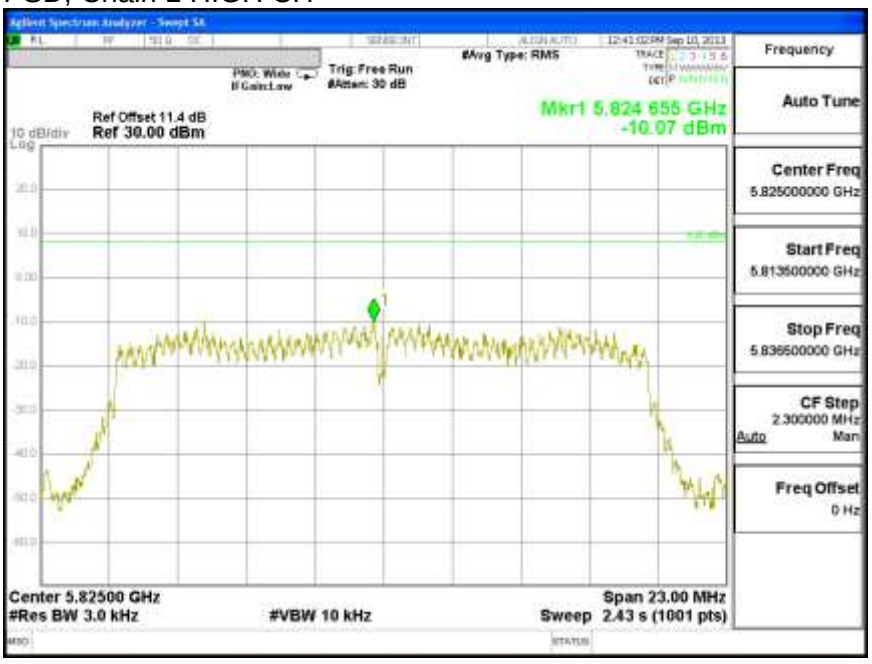
PSD, Chain 1 LOW CH



PSD, Chain 1 MID CH



PSD, Chain 1 HIGH CH



8.5.6. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

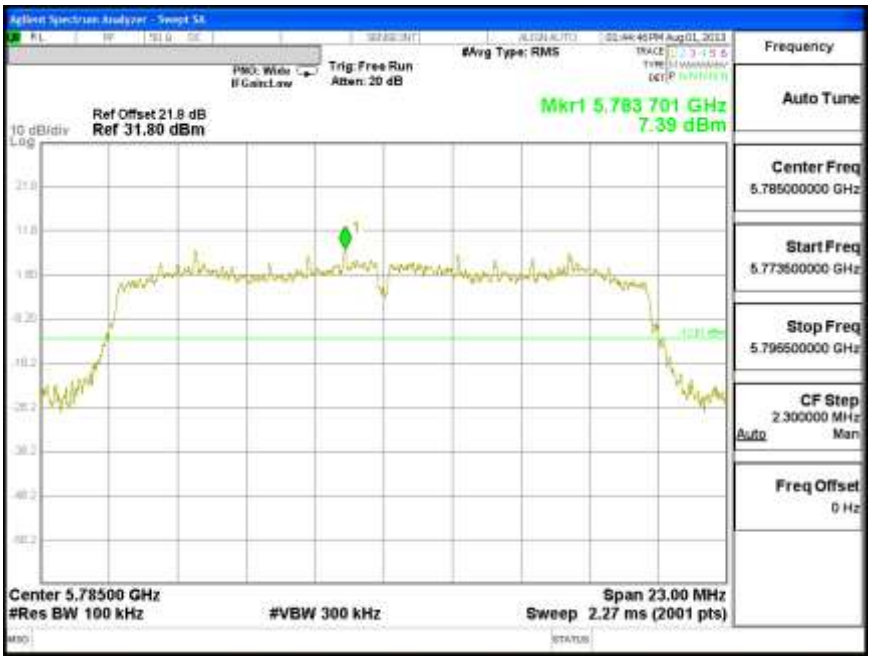
TEST PROCEDURE

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

RESULTS

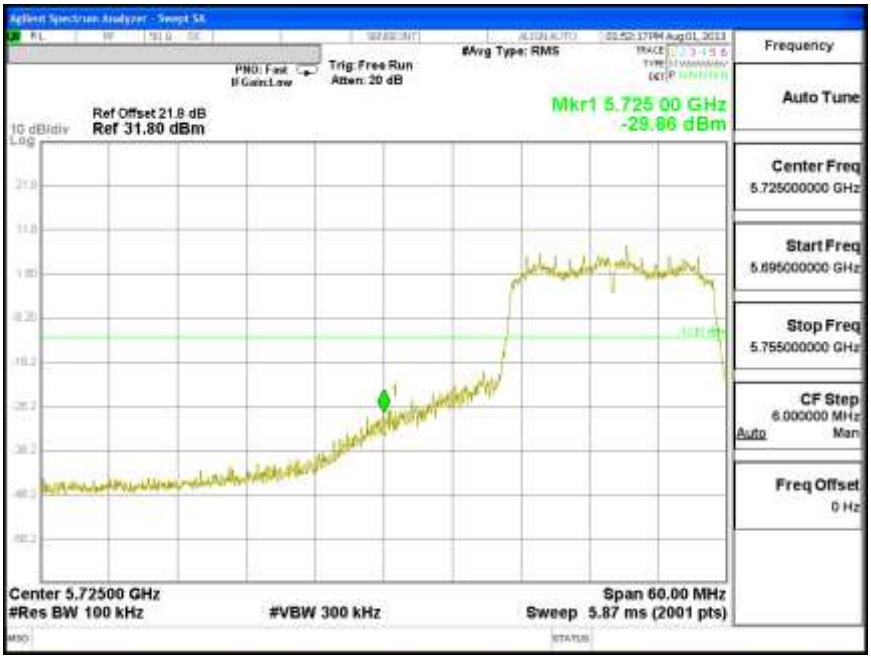
IN-BAND REFERENCE LEVEL, Chain 0

REFERENCE LEVEL Chain 0 MID CH



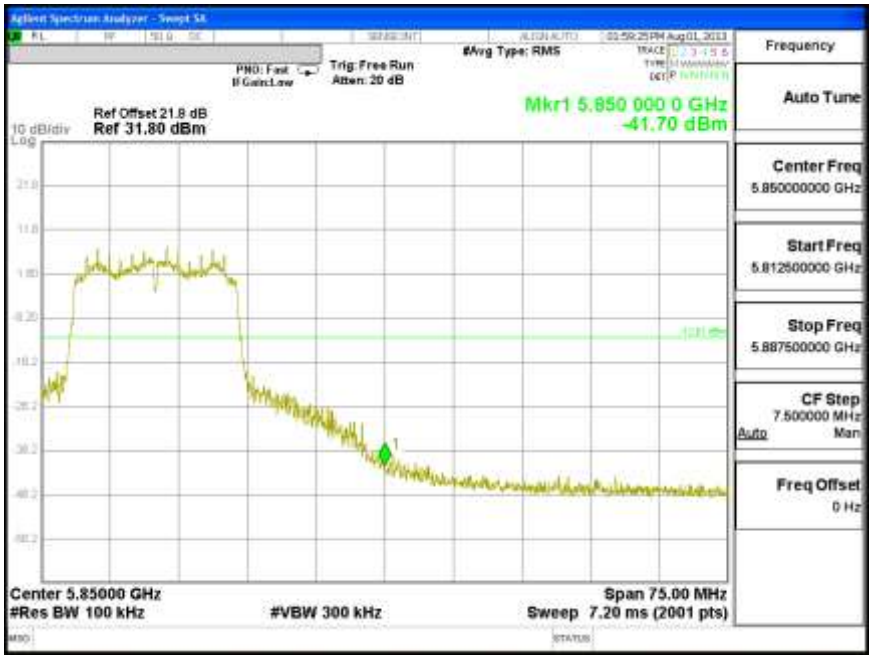
LOW CHANNEL BANDEDGE, Chain 0

AUTHORIZED BAND EDGE Chain 0 LOW CH



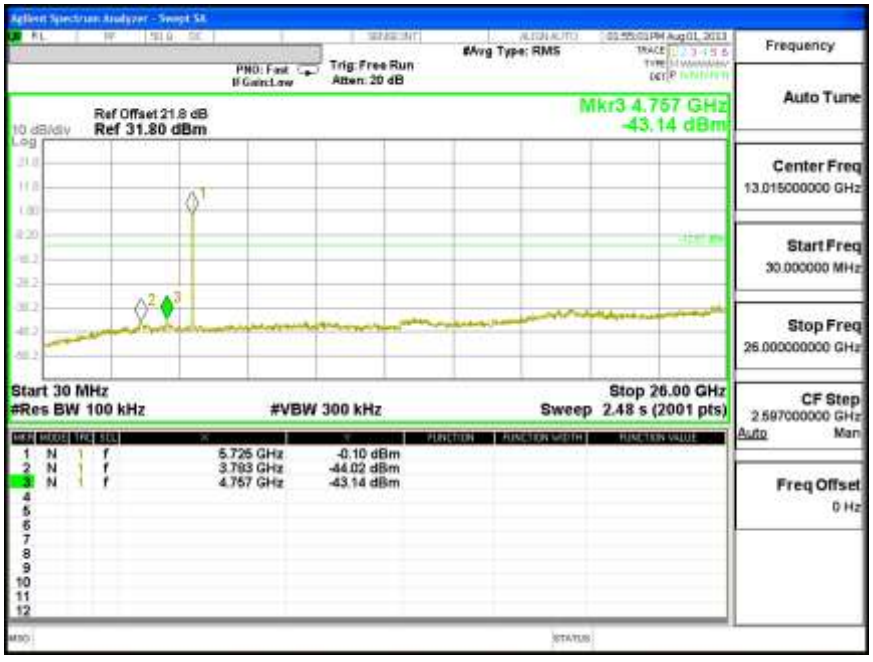
HIGH CHANNEL BANDEDGE, Chain 0

AUTHORIZED BAND EDGE Chain 0 HIGH CH

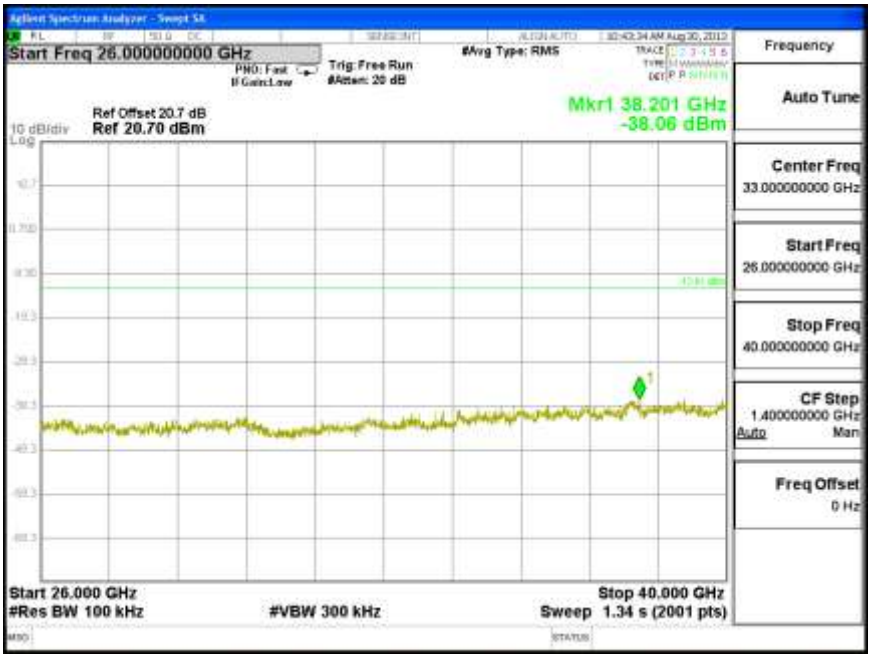


OUT-OF-BAND EMISSIONS, Chain 0

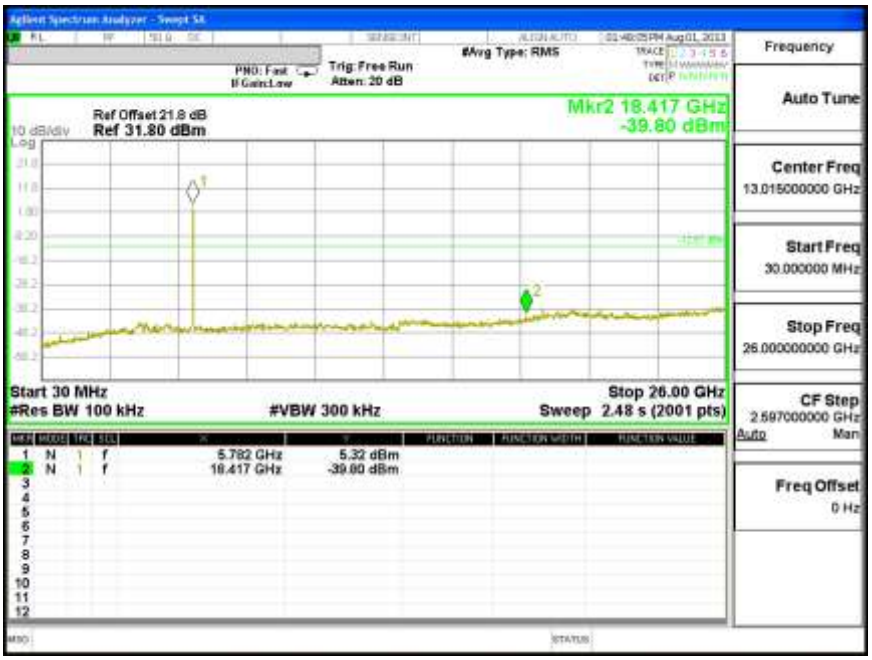
OUT OF BAND Chain 0 LOW CH



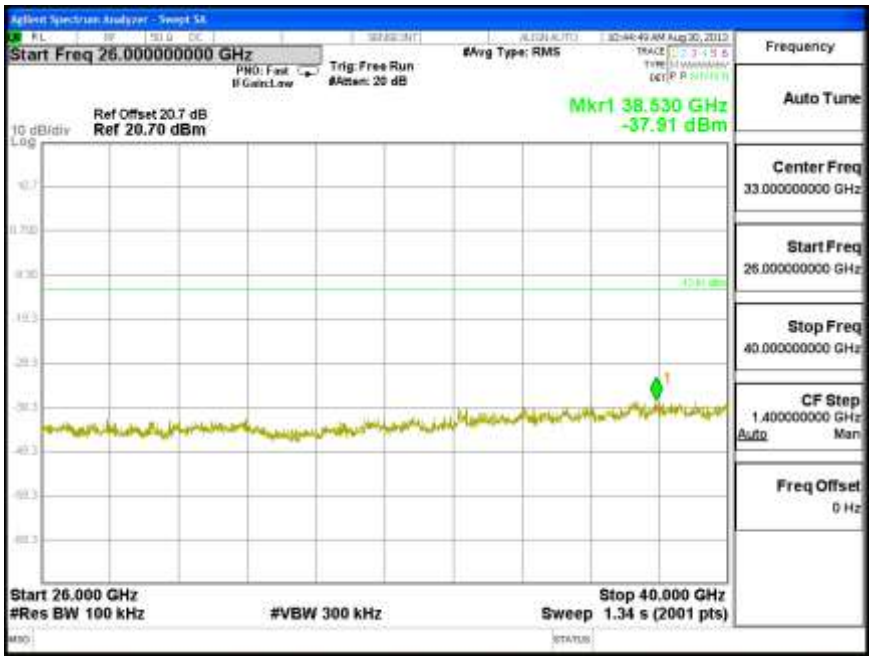
OUT OF BAND Chain 0 LOW CH



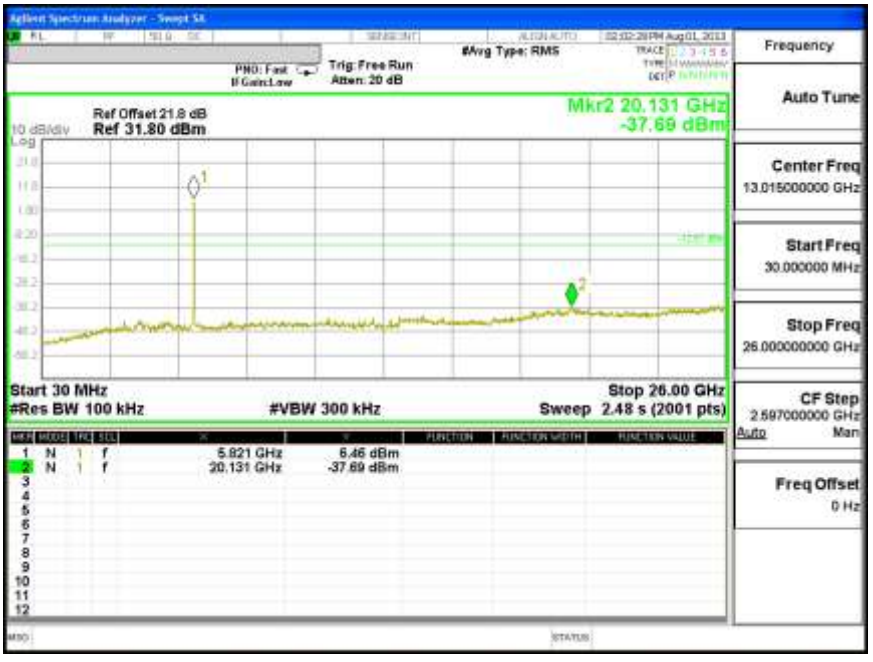
OUT OF BAND Chain 0 MID CH



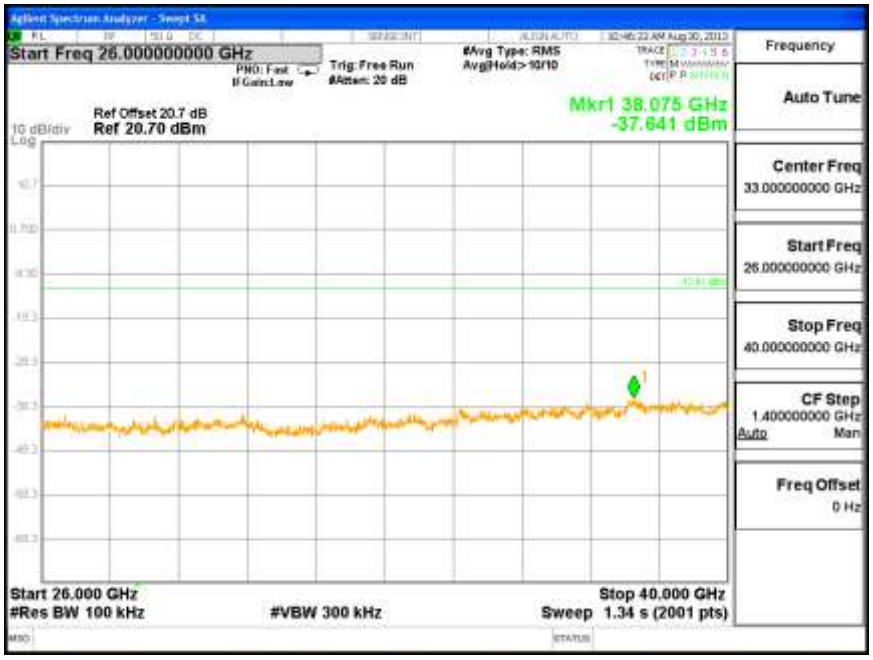
OUT OF BAND Chain 0 MID CH



OUT OF BAND Chain 0 HIGH CH

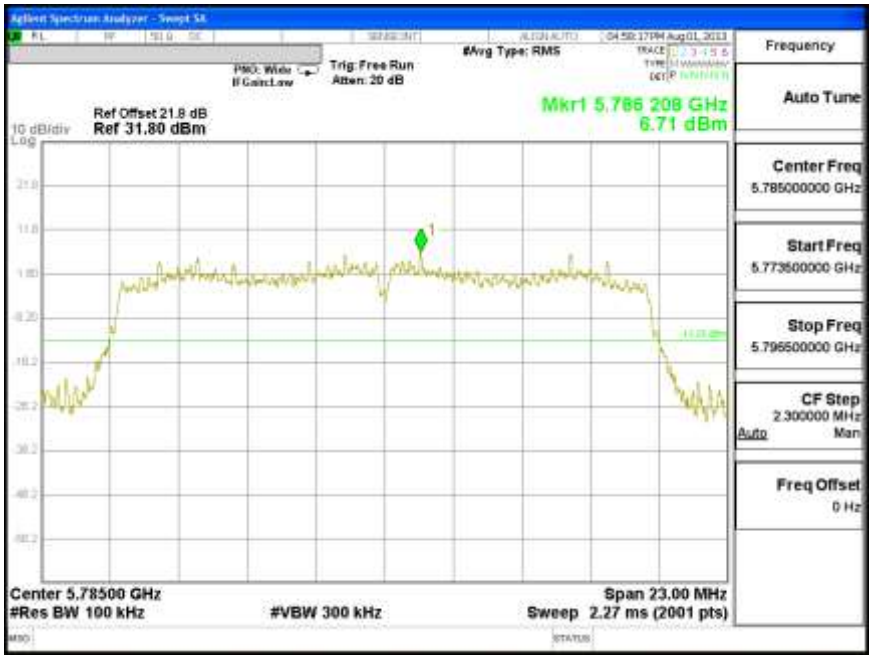


OUT OF BAND Chain 0 HIGH CH



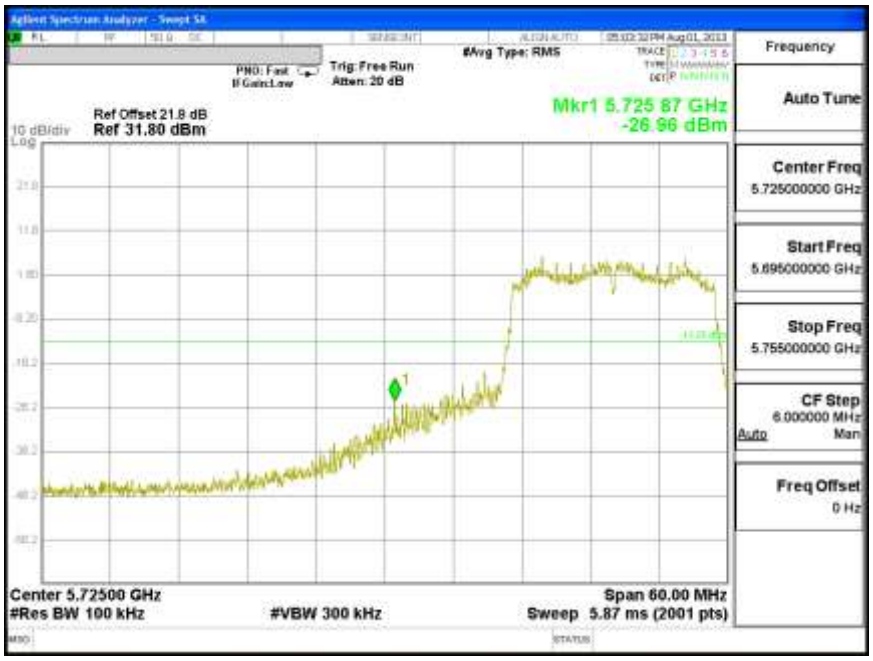
IN-BAND REFERENCE LEVEL, Chain 1

REFERENCE LEVEL Chain 1 MID CH



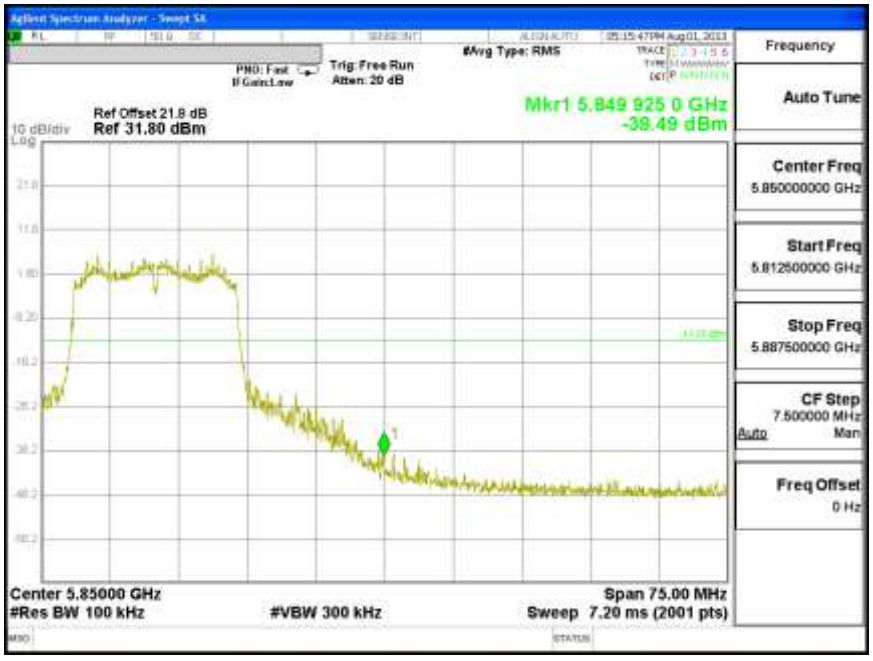
LOW CHANNEL BANDEDGE, Chain 1

AUTHORIZED BAND EDGE Chain 1 LOW CH

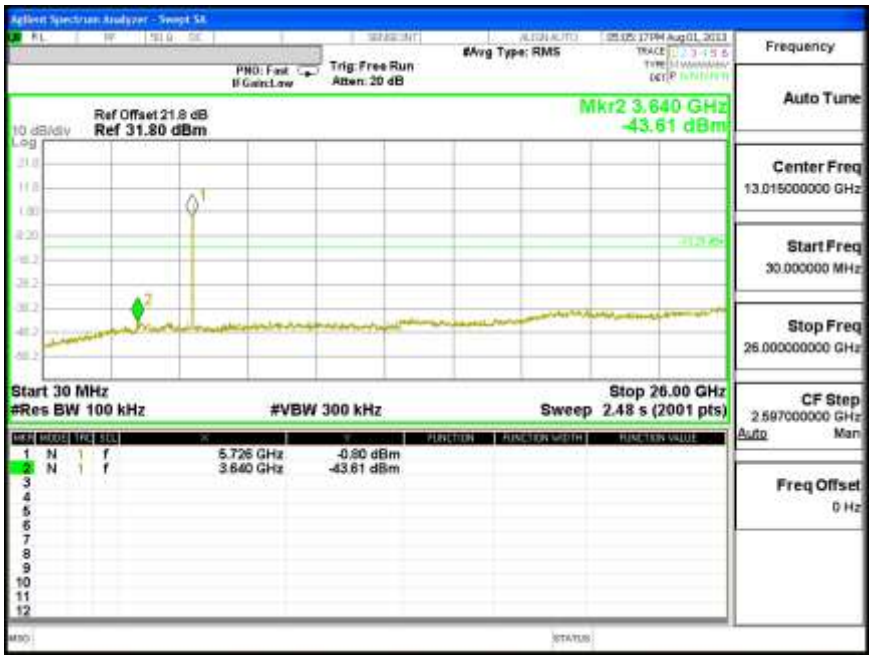


HIGH CHANNEL BANDEDGE, Chain 1

AUTHORIZED BAND EDGE Chain 1 HIGH CH

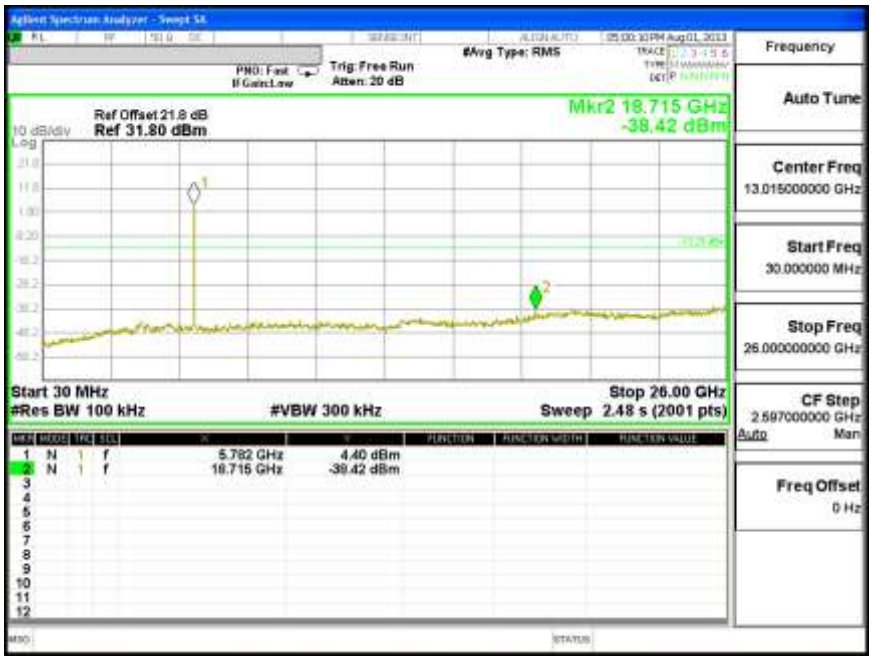


OUT OF BAND Chain 1 LOW CH

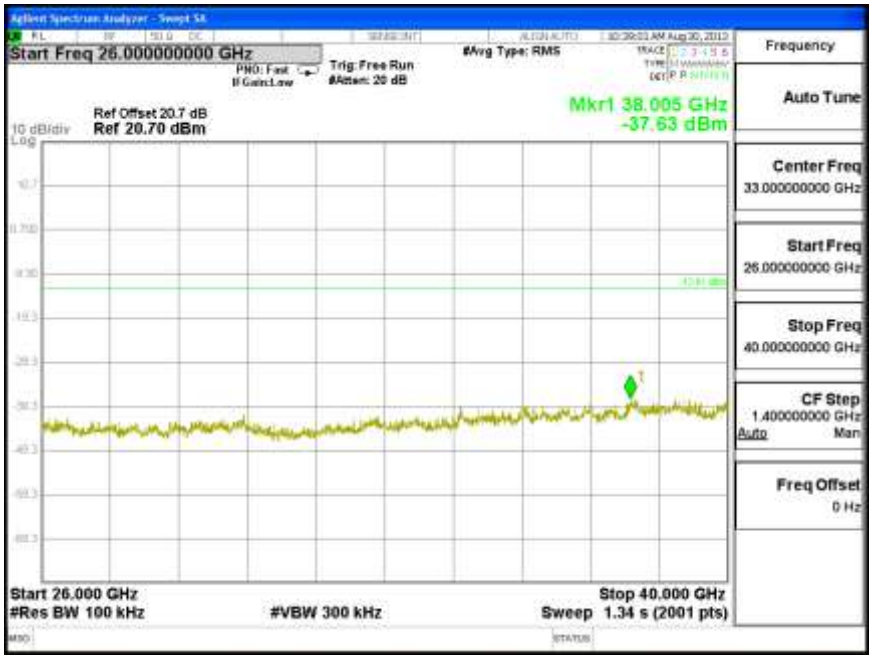


OUT OF BAND Chain 1 LOW CH

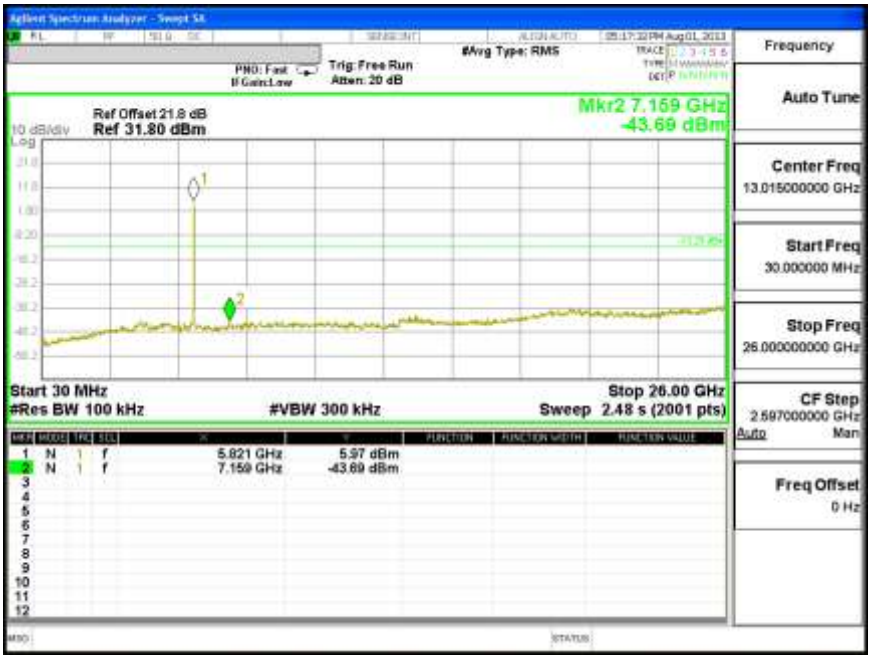
OUT OF BAND Chain 1 MID CH



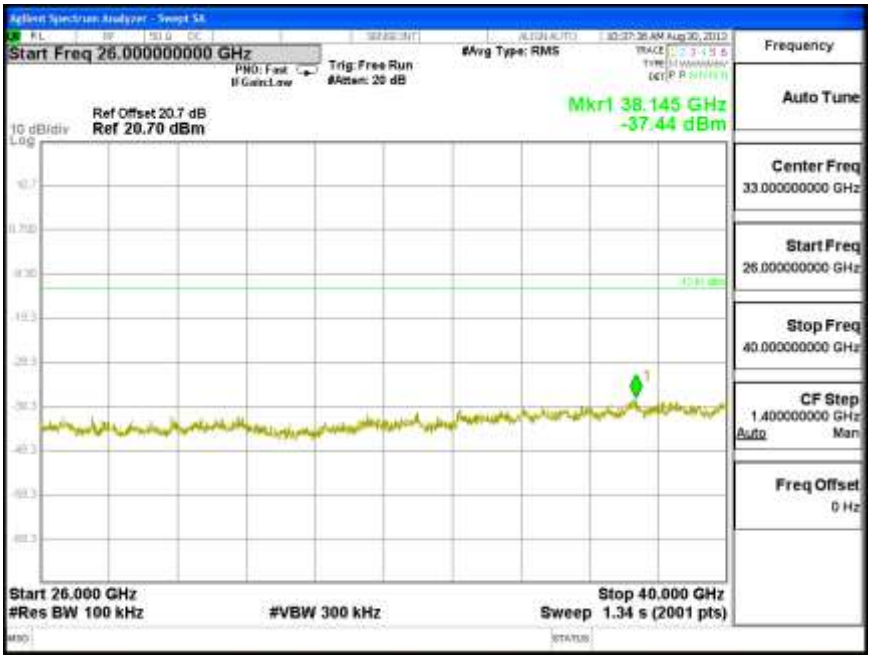
OUT OF BAND Chain 1 MID CH



OUT OF BAND Chain 1 HIGH CH



OUT OF BAND Chain 1 HIGH CH



8.6. 802.11n HT40 SISO MODE IN THE 5.8 GHz BAND

8.6.1. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

IC RSS-210 A8.2 (a)

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

TEST PROCEDURE

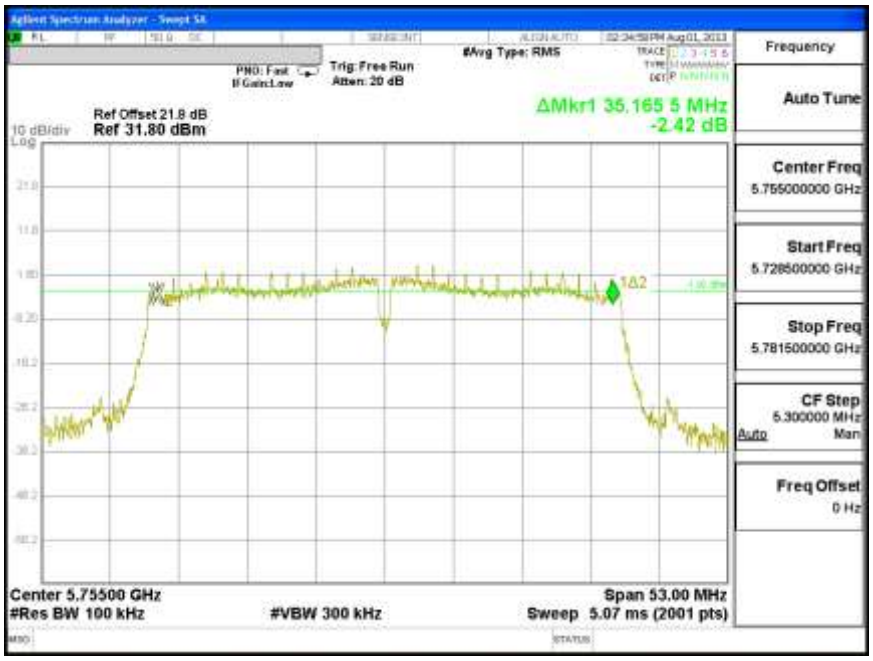
KDB 558074 D01 v01 "Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under 15.247".

RESULTS

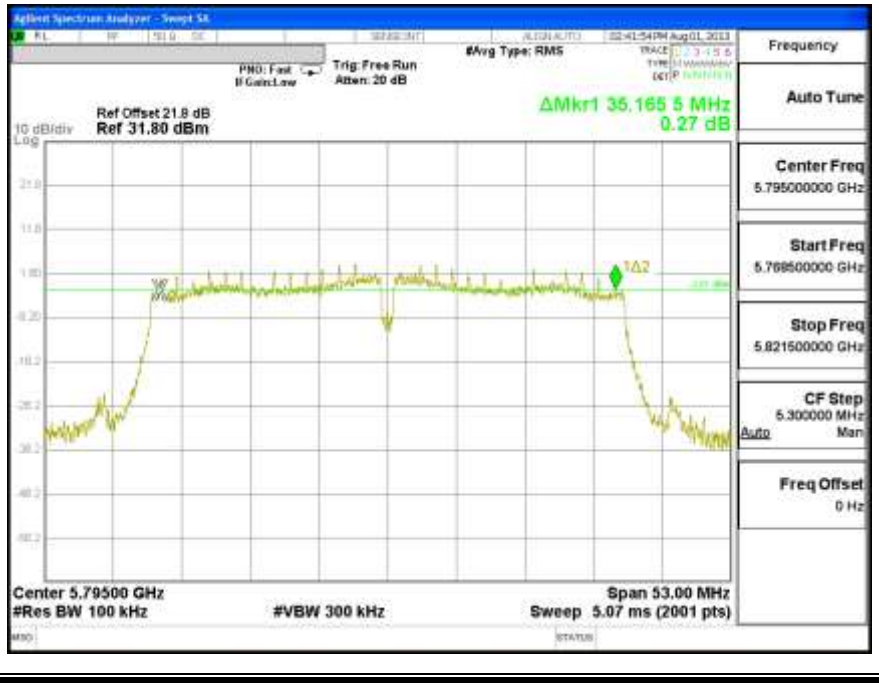
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	35.1655	0.5
High	5795	35.1655	0.5

6 dB BANDWIDTH

6 dB BANDWIDTH LOW CH



6 dB BANDWIDTH HIGH CH



8.6.2. 99% BANDWIDTH

LIMITS

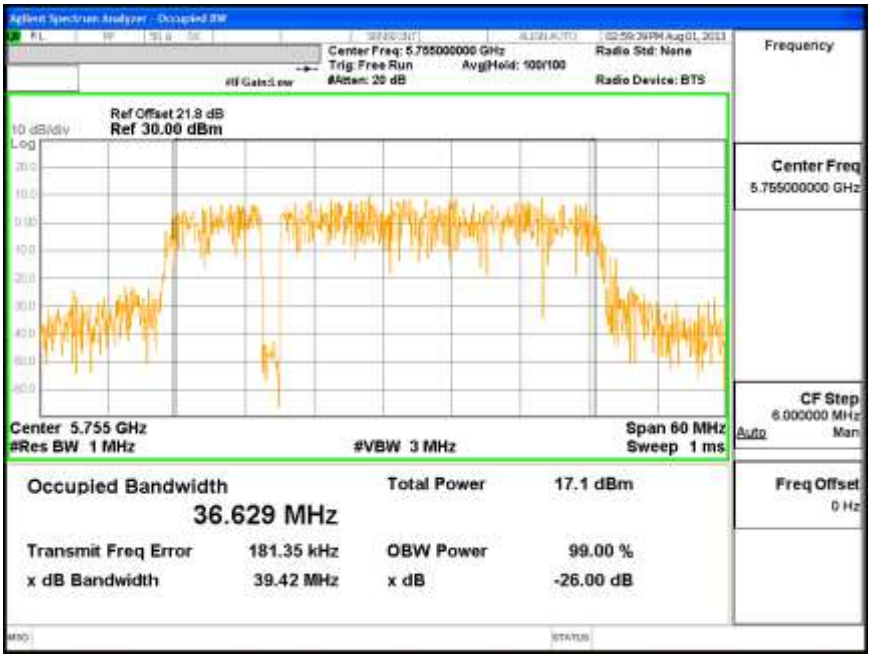
None; for reporting purposes only.

RESULTS

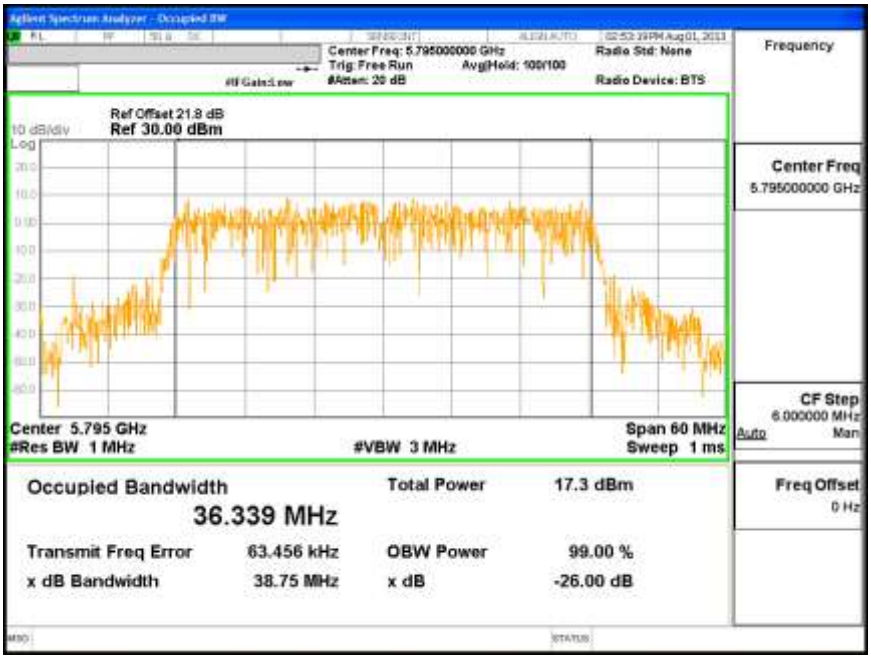
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.629
High	5795	36.339

99% BANDWIDTH

99% BANDWIDTH LOW CH



99% BANDWIDTH HIGH CH



8.6.3. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.8 dB (including 10 dB pad and 0.8 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

RESULTS

Channel	Frequency (MHz)	Power (dBm)
Low	5755	15.80
High	5795	15.90

8.6.4. OUTPUT POWER

LIMITS

FCC §15.247

IC RSS-210 A8.4

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Limits

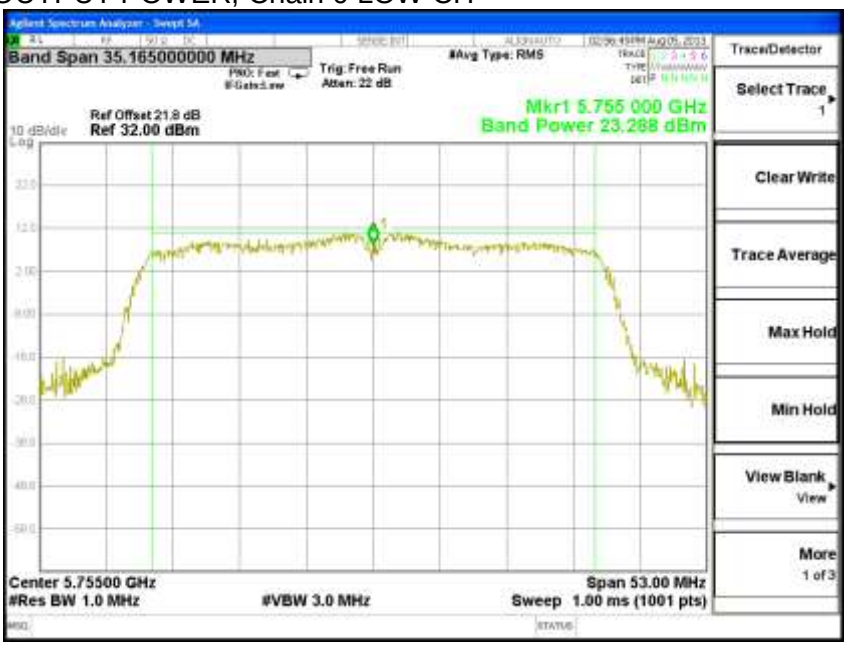
Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5755	4.21	30.00	30	36	30.00
High	5795	4.21	30.00	30	36	30.00

Results

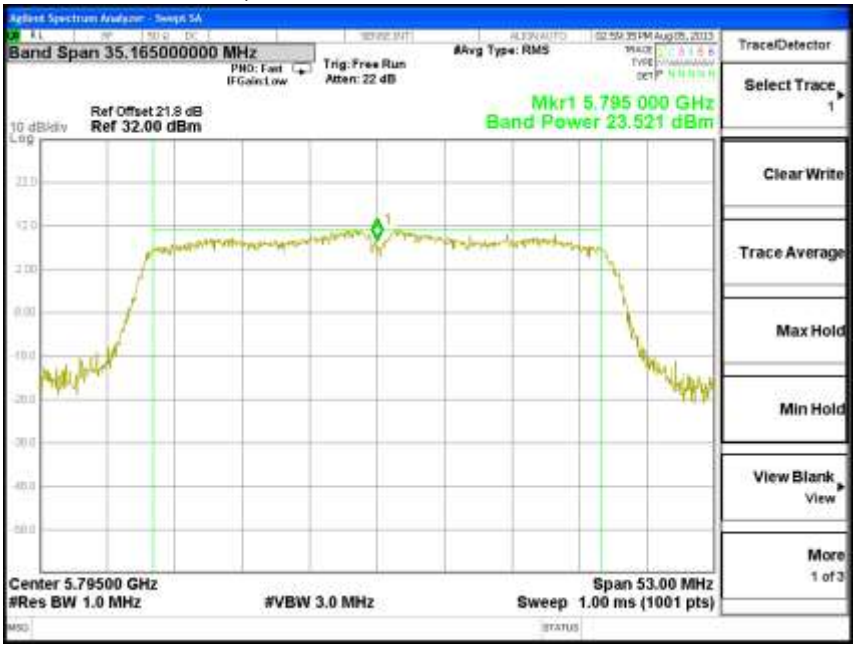
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	5755	23.288	23.29	30.00	-6.71
High	5795	23.521	23.52	30.00	-6.48

OUTPUT POWER, Chain 0

OUTPUT POWER, Chain 0 LOW CH



OUTPUT POWER, Chain 0 HIGH CH



8.6.5. PSD

LIMITS

FCC §15.247

IC RSS-210 A8.2

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

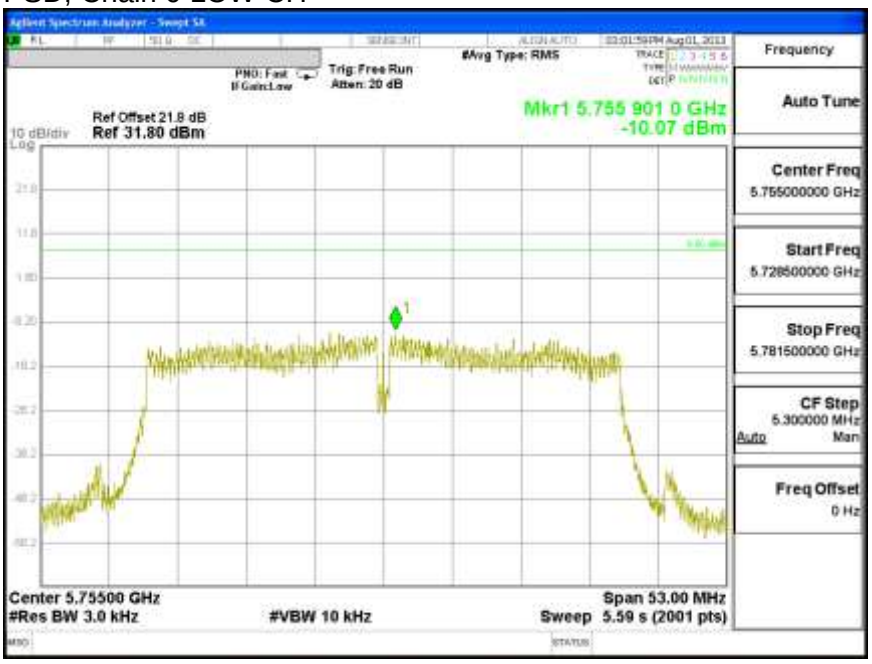
RESULTS

PSD Results

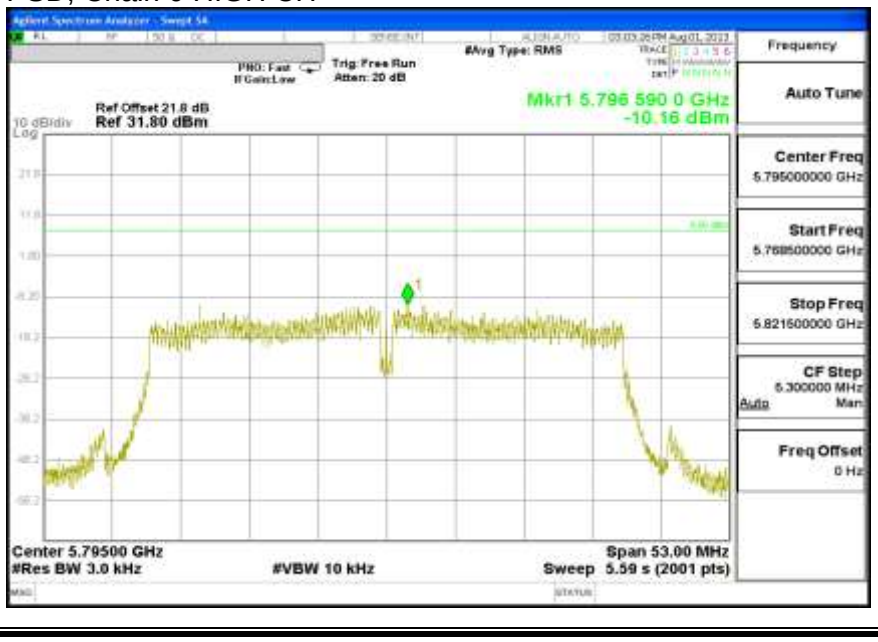
Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Limit (dBm)	Margin (dB)
Low	5755	-10.07	8.0	-18.1
High	5795	-10.18	8.0	-18.2

PSD, Chain 0

PSD, Chain 0 LOW CH



PSD, Chain 0 HIGH CH



8.6.6. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

TEST PROCEDURE

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

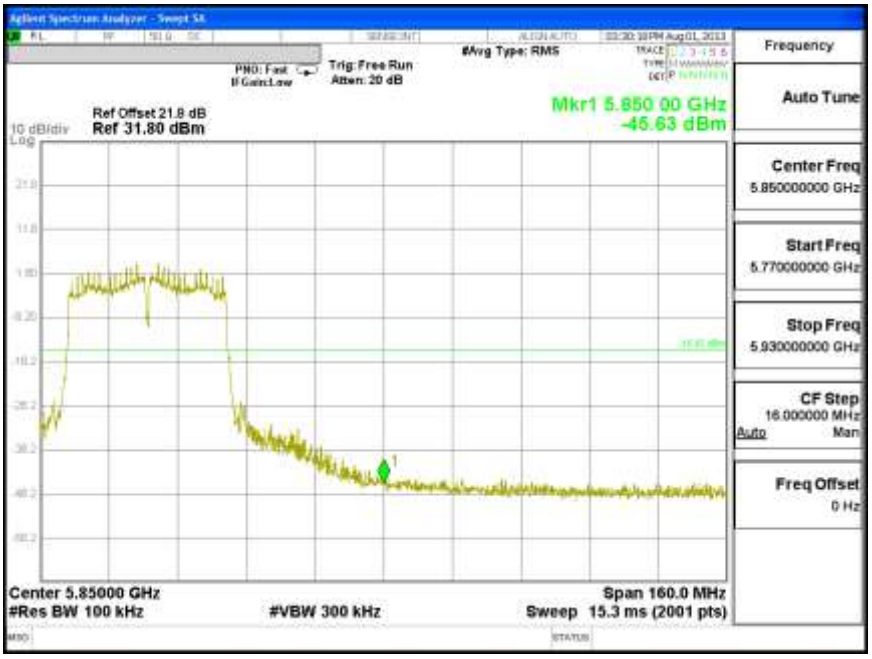
RESULTS

LOW CHANNEL BANDEDGE

AUTHORIZED BAND EDGE LOW CH

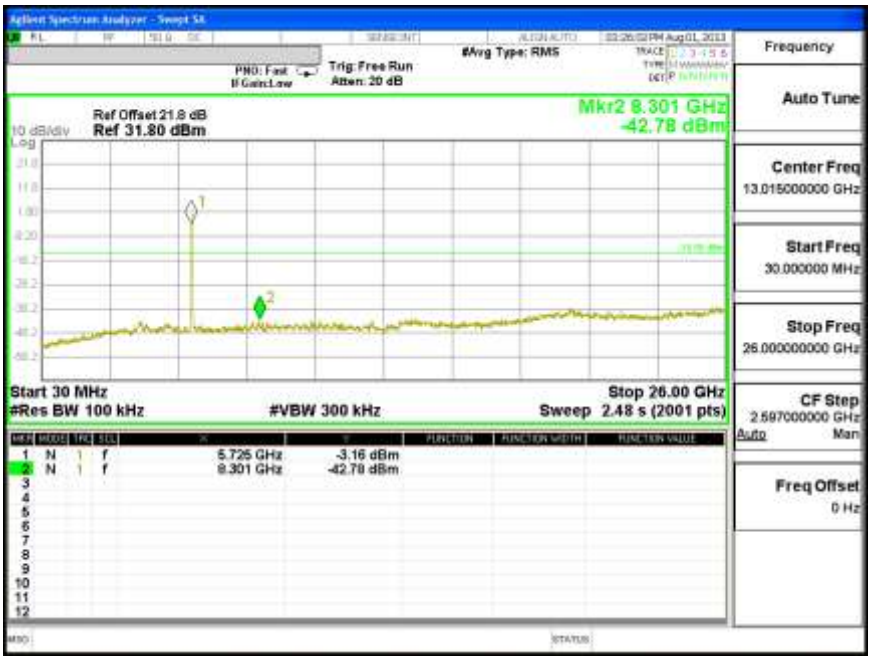
HIGH CHANNEL BANDEDGE

AUTHORIZED BAND EDGE HIGH CH

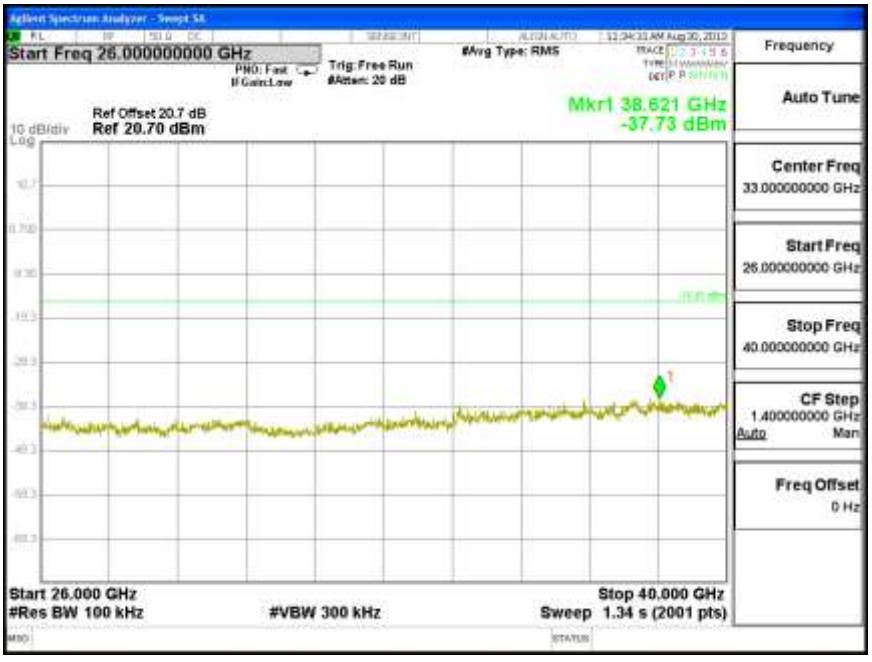


OUT-OF-BAND EMISSIONS

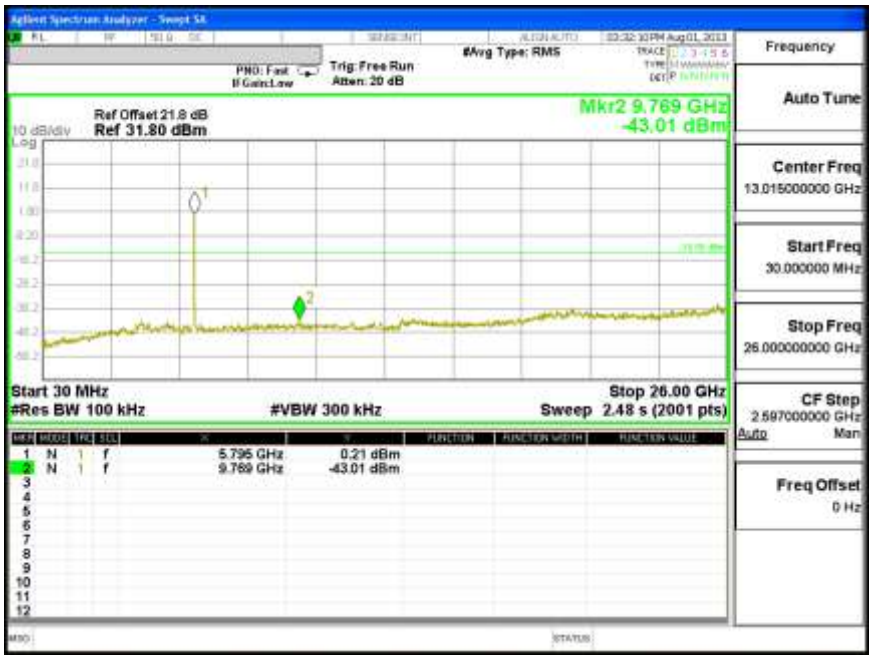
OUT OF BAND LOW CH



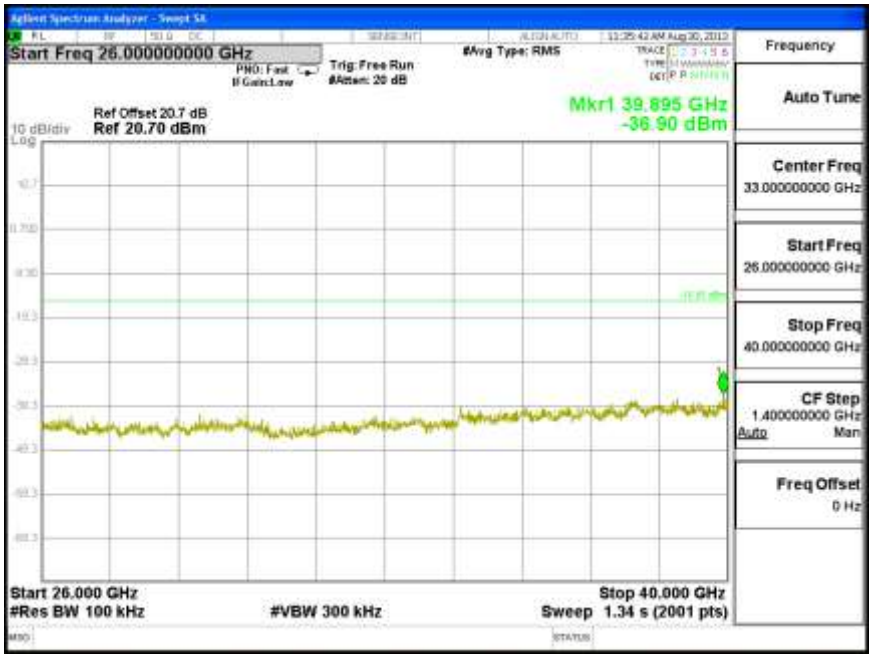
OUT OF BAND LOW CH



OUT OF BAND HIGH CH



OUT OF BAND HIGH CH



8.7. 802.11n HT40 2TX CDD MODE IN THE 5.8 GHz BAND

8.7.1. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

IC RSS-210 A8.2 (a)

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

TEST PROCEDURE

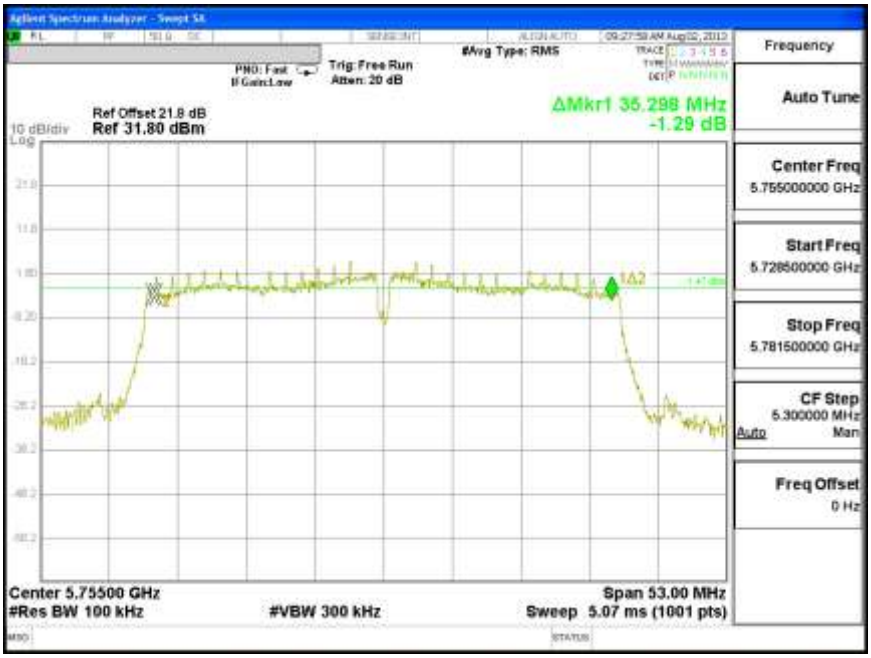
KDB 558074 D01 v01 "Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under 15.247".

RESULTS

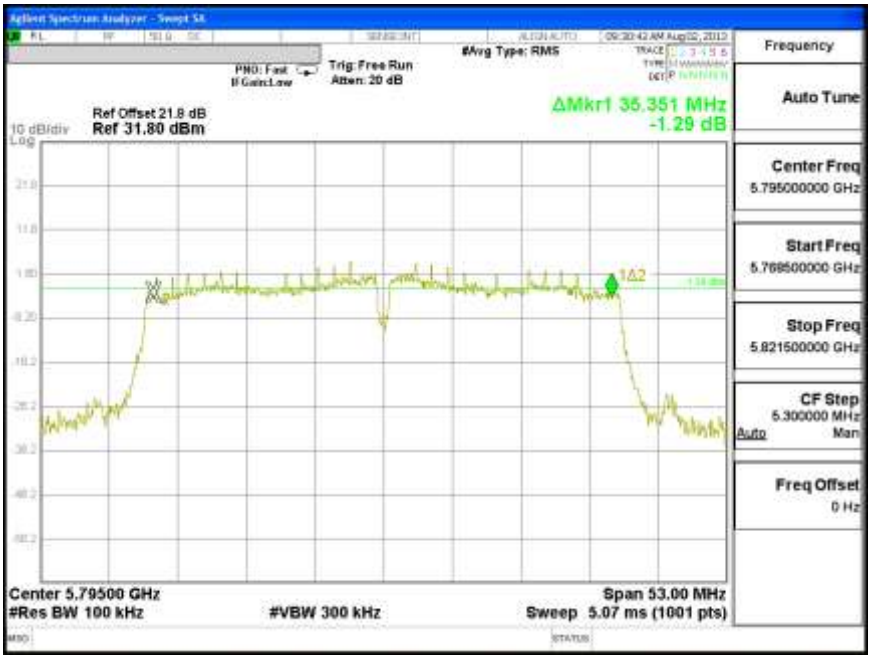
Channel	Frequency (MHz)	6 dB BW Chain 1 (MHz)	6 dB BW Chain 2 (MHz)	Minimum Limit (MHz)
Low	5755	35.298	35.192	0.5
High	5795	35.351	36.358	0.5

6 dB BANDWIDTH, Chain 0

6 dB BANDWIDTH Chain 0 LOW CH

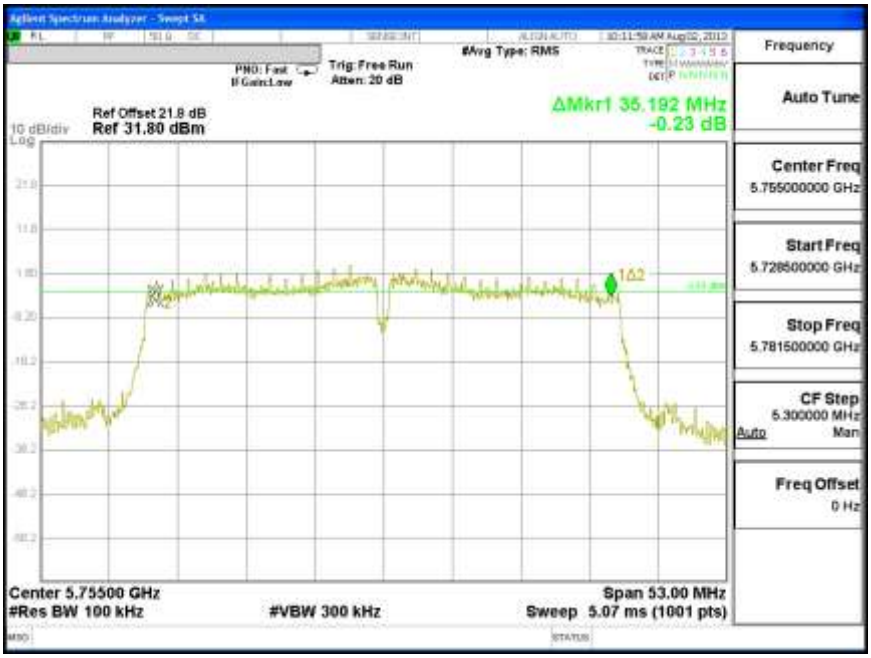


6 dB BANDWIDTH Chain 0 HIGH CH

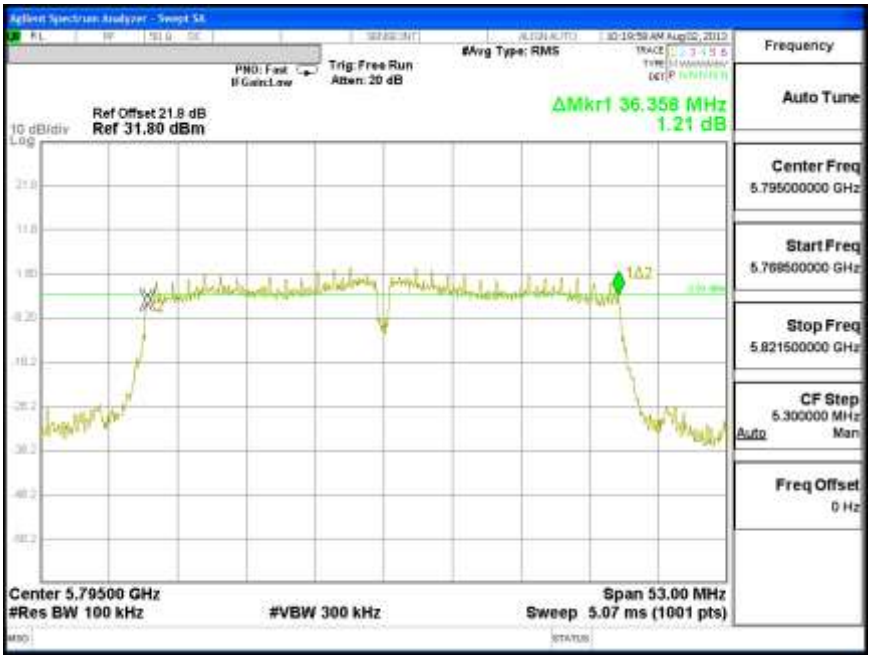


6 dB BANDWIDTH, Chain 0

6 dB BANDWIDTH Chain 0 LOW CH



6 dB BANDWIDTH Chain 0 HIGH CH



8.7.2. 99% BANDWIDTH

LIMITS

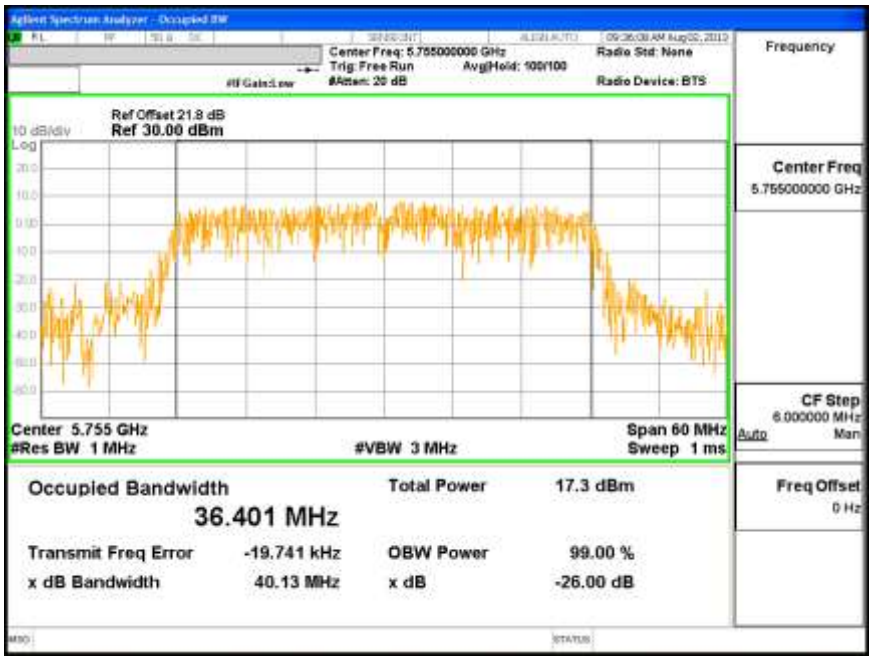
None; for reporting purposes only.

RESULTS

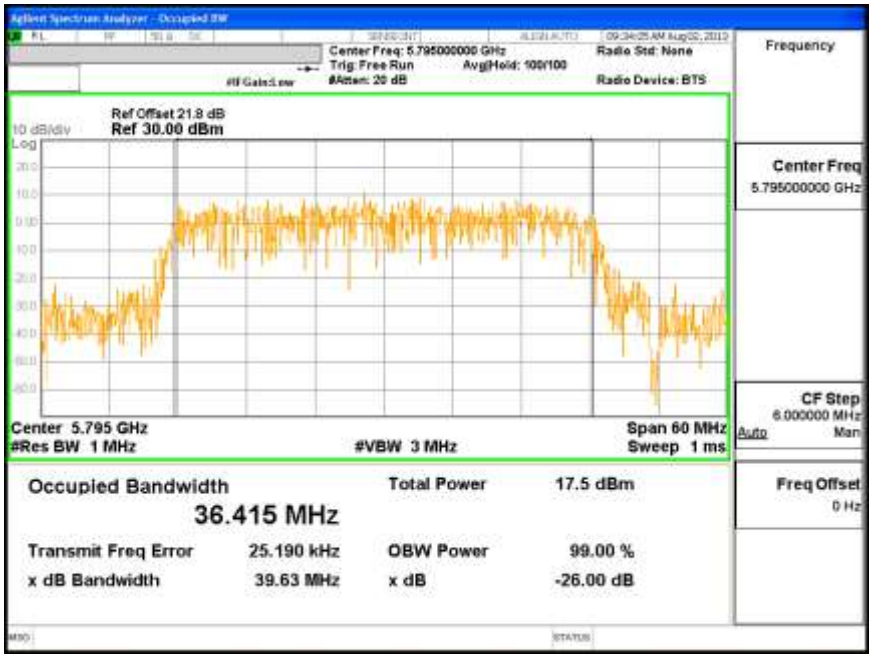
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5755	36.401	36.295
High	5795	36.415	36.538

99% BANDWIDTH, Chain 0

99% BANDWIDTH Chain 0 LOW CH

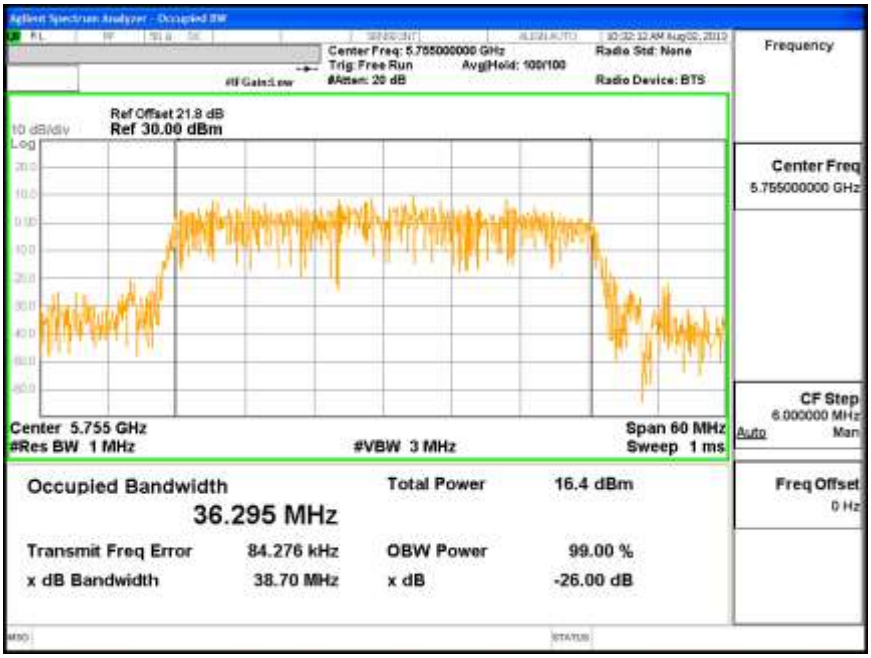


99% BANDWIDTH Chain 0 HIGH CH

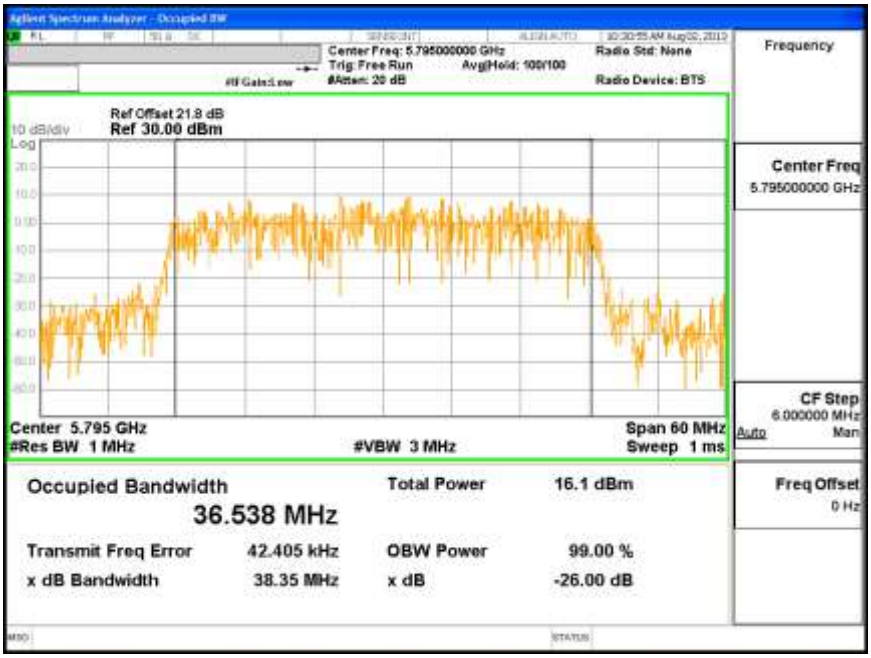


99% BANDWIDTH, Chain 0

99% BANDWIDTH Chain 0 LOW CH



99% BANDWIDTH Chain 0 HIGH CH



8.7.3. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.8 dB (including 10 dB pad and 0.8 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

RESULTS

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)
Low	5755	15.80	15.80	18.81
High	5795	15.75	15.80	18.79

8.7.4. OUTPUT POWER

LIMITS

FCC §15.247

IC RSS-210 A8.4

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

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.21	3.92	4.07

RESULTS

Limits

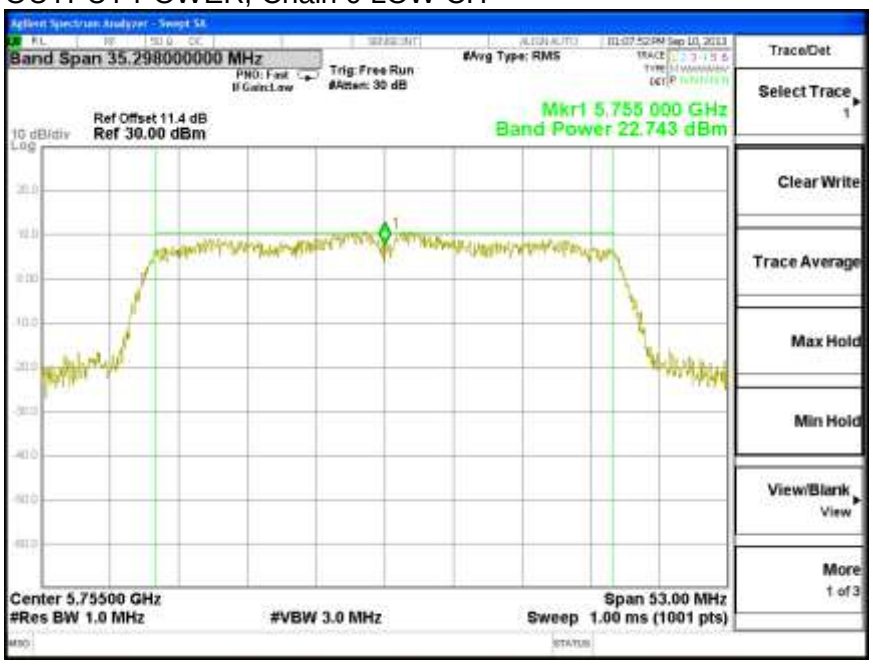
Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5755	4.07	30.00	30	36	30.00
High	5795	4.07	30.00	30	36	30.00

Results

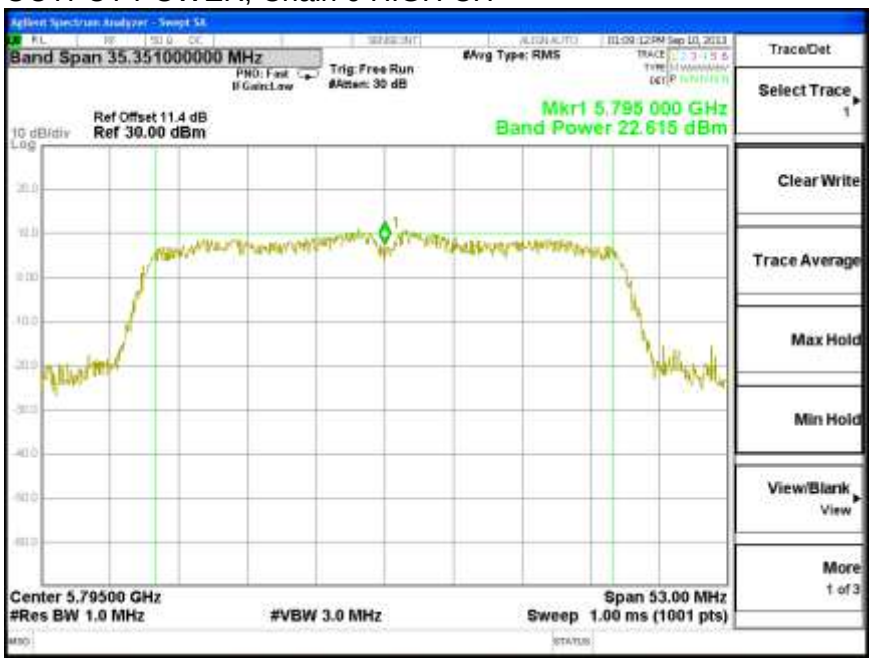
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low	5755	22.743	22.988	25.88	30.00	-4.12
High	5795	22.615	22.837	25.74	30.00	-4.26

OUTPUT POWER, Chain 0

OUTPUT POWER, Chain 0 LOW CH

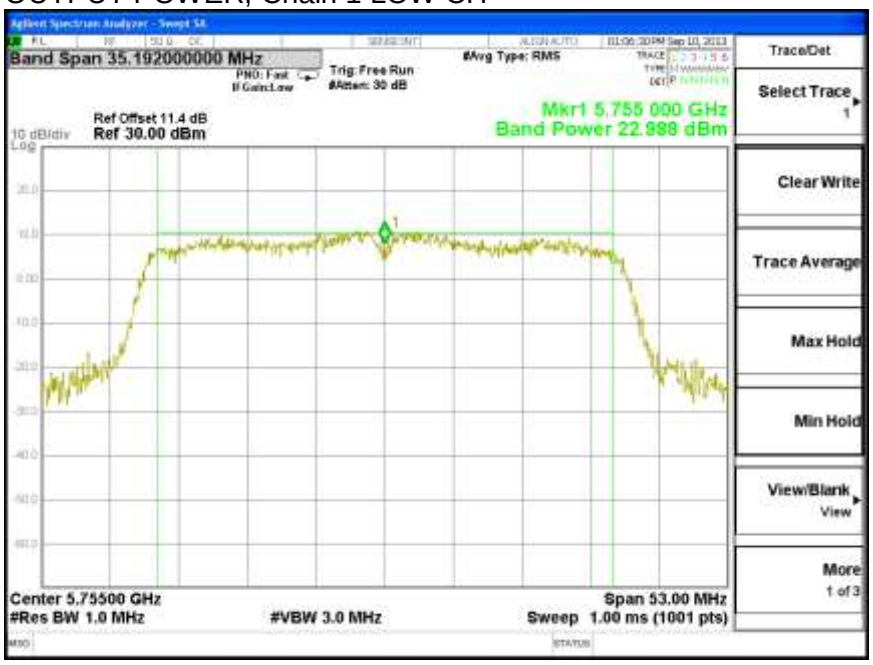


OUTPUT POWER, Chain 0 HIGH CH

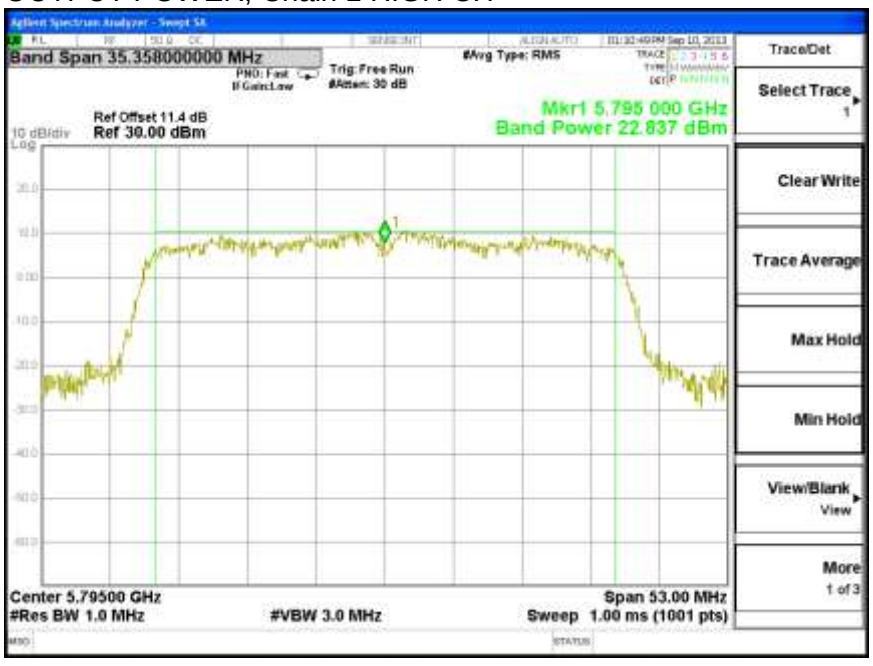


OUTPUT POWER, Chain 0

OUTPUT POWER, Chain 1 LOW CH



OUTPUT POWER, Chain 1 HIGH CH



8.7.5. PSD

LIMITS

FCC §15.247

IC RSS-210 A8.2

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

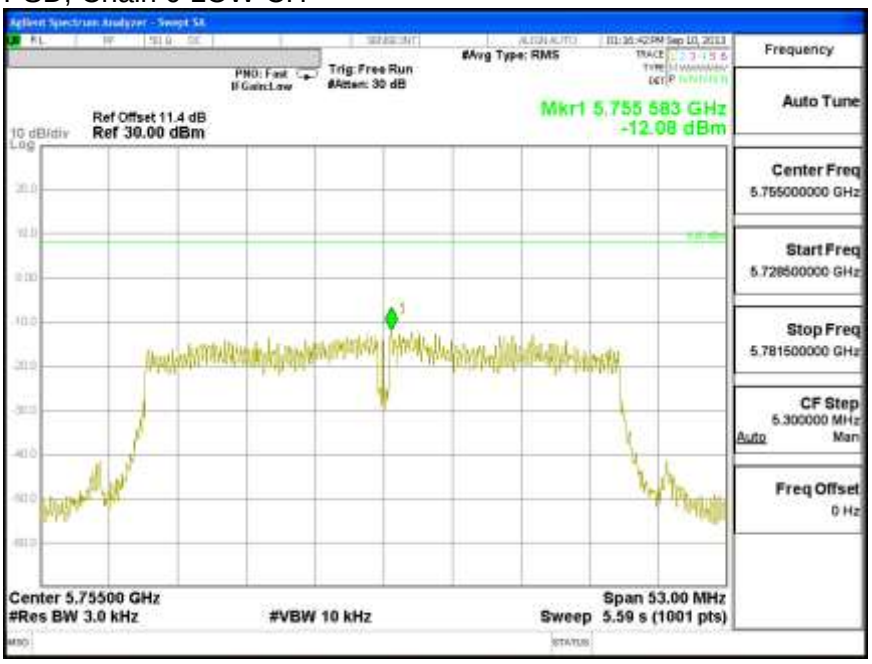
RESULTS

PSD Results

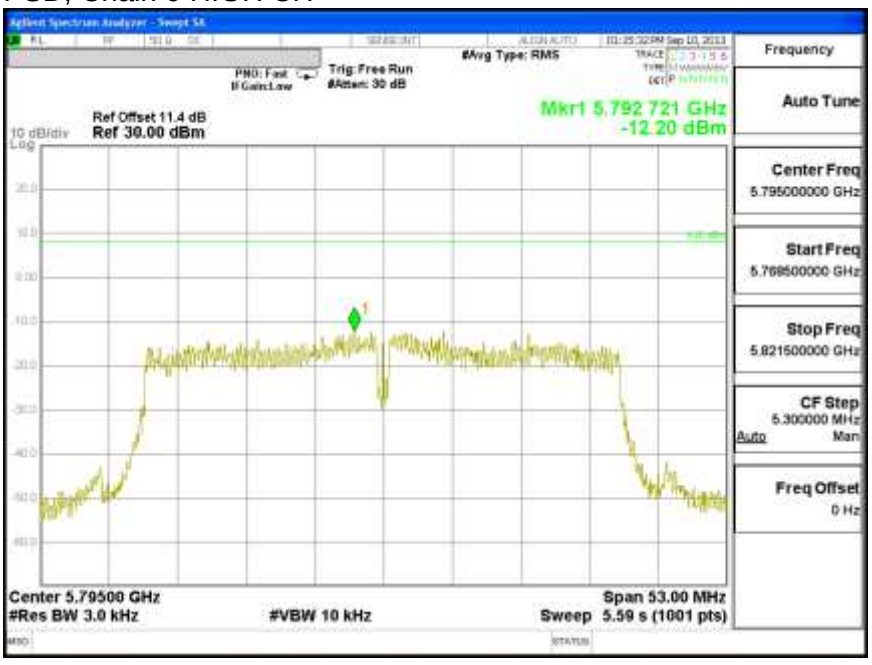
Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Chain 1 Meas (dBm)	Total PSD (dBm)	Limit (dBm)	Margin (dB)
Low	5755	-12.08	-11.22	-8.62	8.0	-16.6
High	5795	-12.20	-11.67	-8.92	8.0	-16.9

PSD, Chain 0

PSD, Chain 0 LOW CH

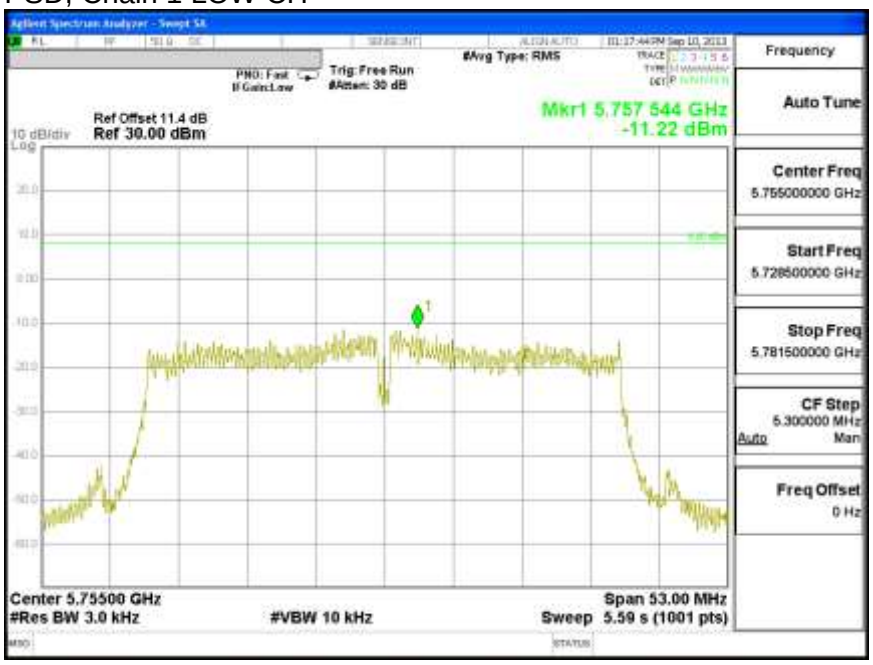


PSD, Chain 0 HIGH CH

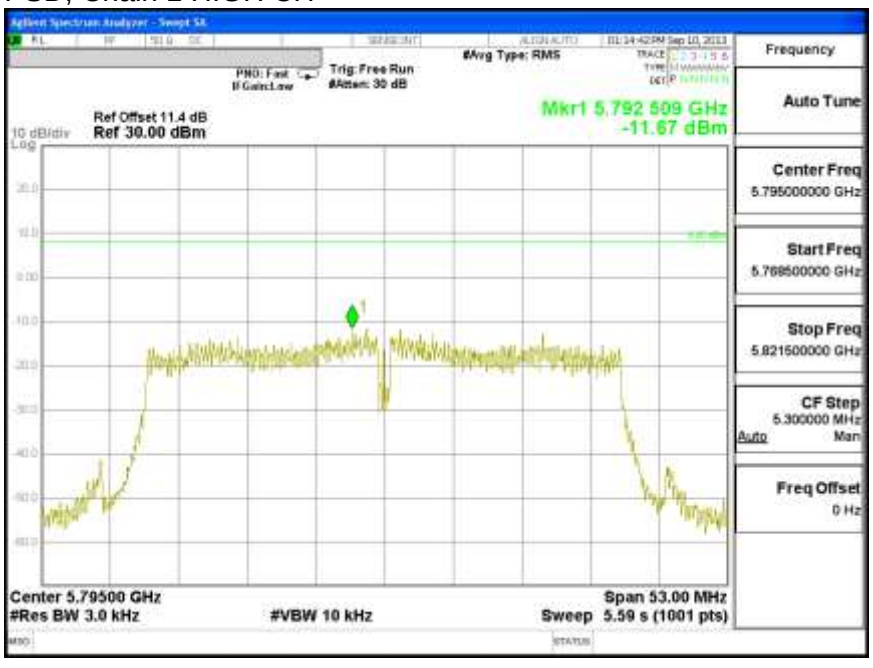


PSD, Chain 1

PSD, Chain 1 LOW CH



PSD, Chain 1 HIGH CH



8.7.6. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

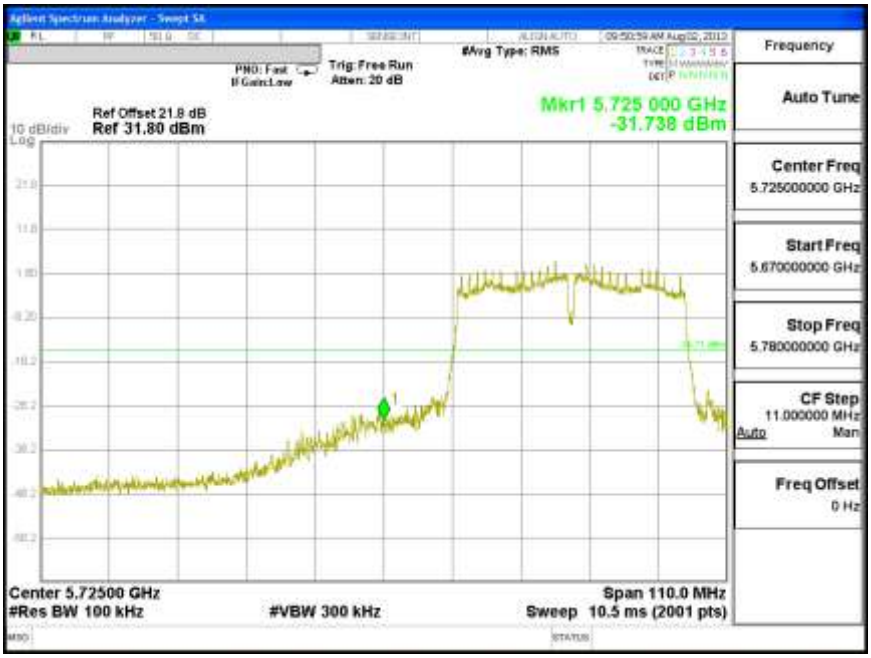
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

TEST PROCEDURE

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

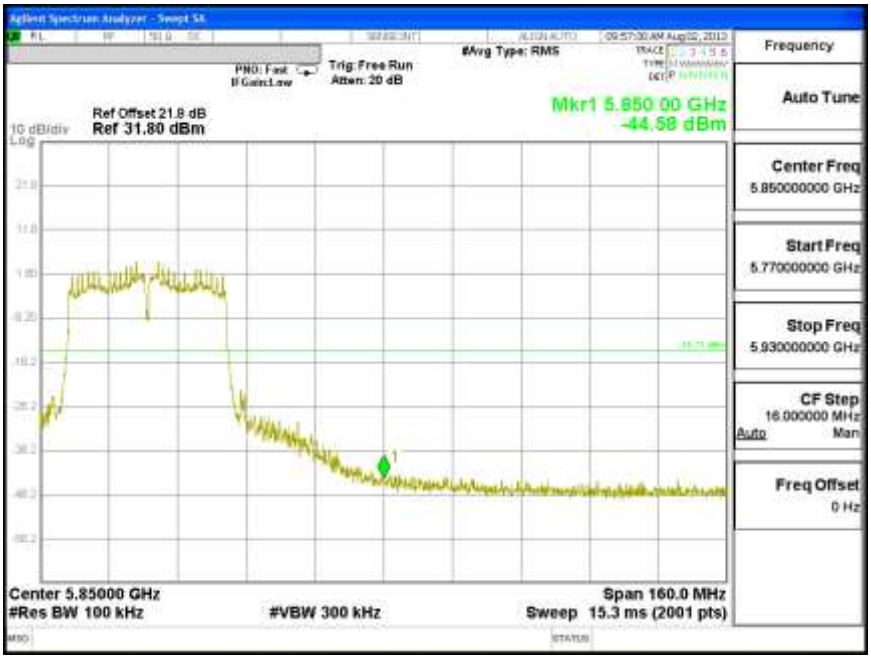
LOW CHANNEL BANDEDGE, Chain 0

AUTHORIZED BAND EDGE Chain 0 LOW CH



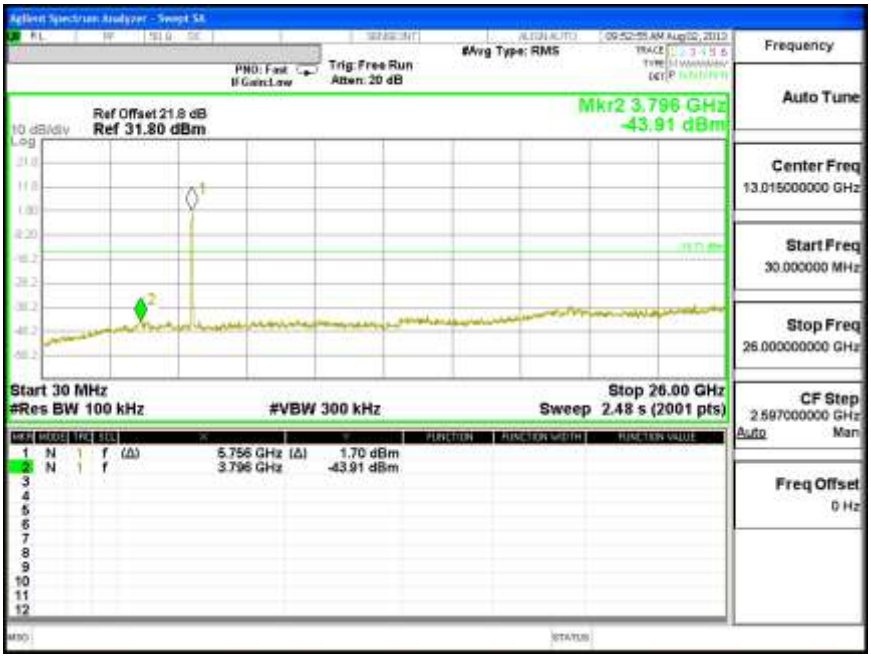
HIGH CHANNEL BANDEDGE, Chain 0

AUTHORIZED BAND EDGE Chain 0 HIGH CH

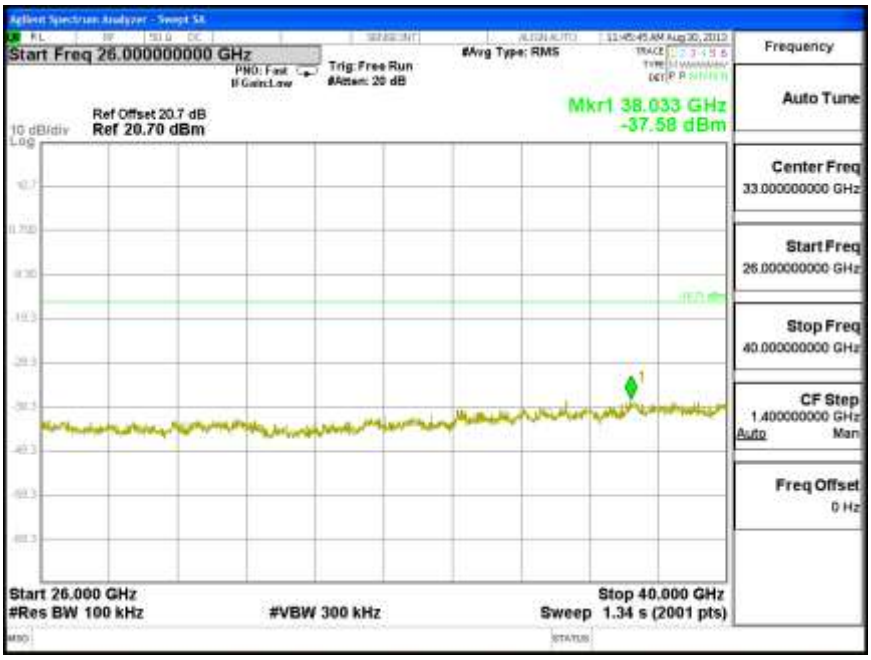


OUT-OF-BAND EMISSIONS, Chain 0

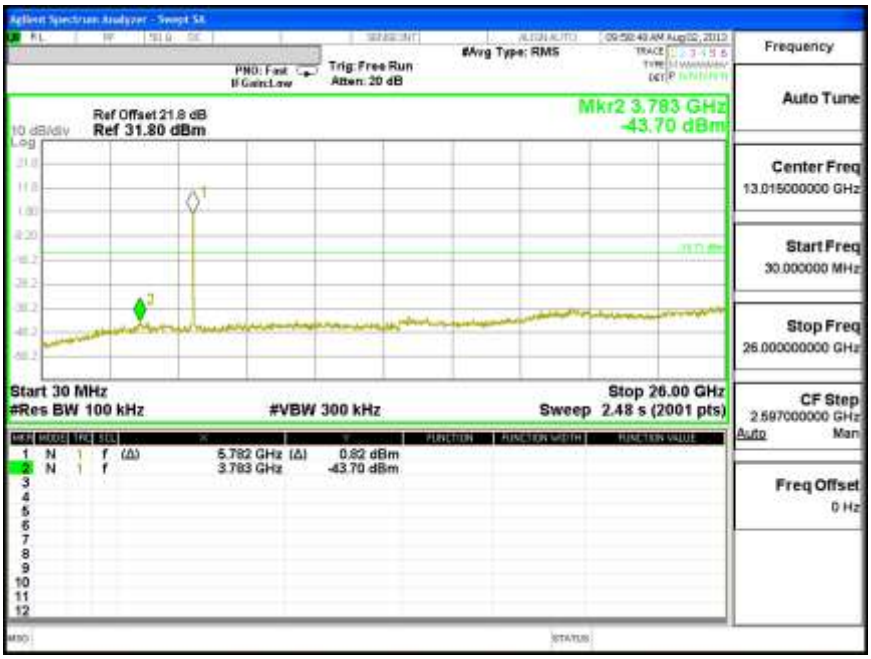
OUT OF BAND Chain 0 LOW CH



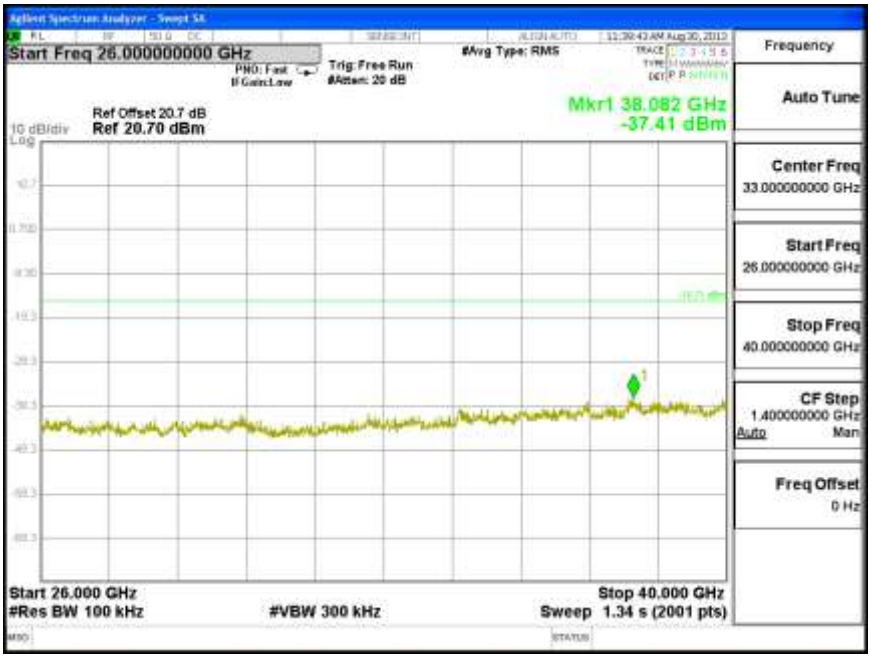
OUT OF BAND Chain 0 LOW CH



OUT OF BAND Chain 0 HIGH CH

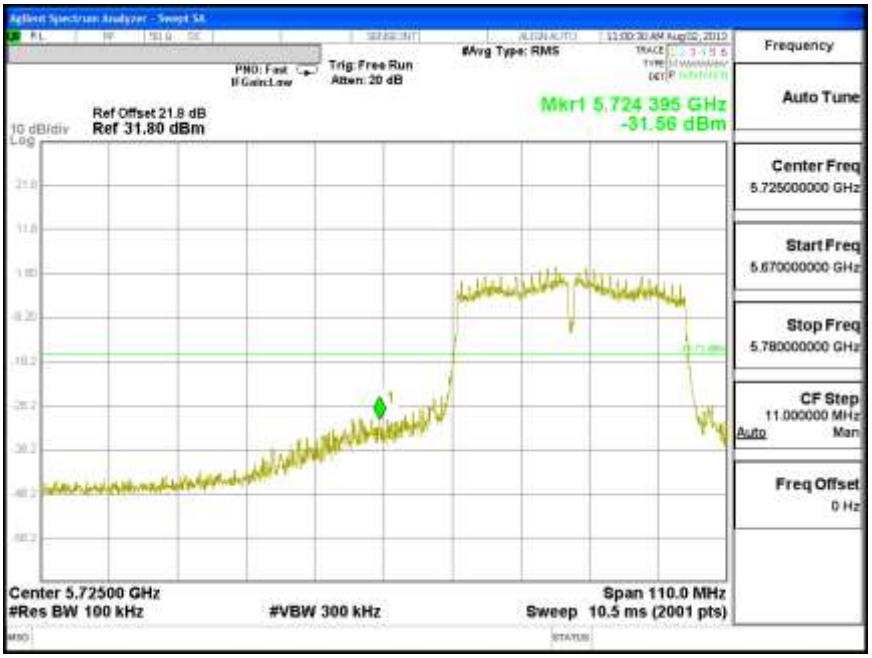


OUT OF BAND Chain 0 HIGH CH



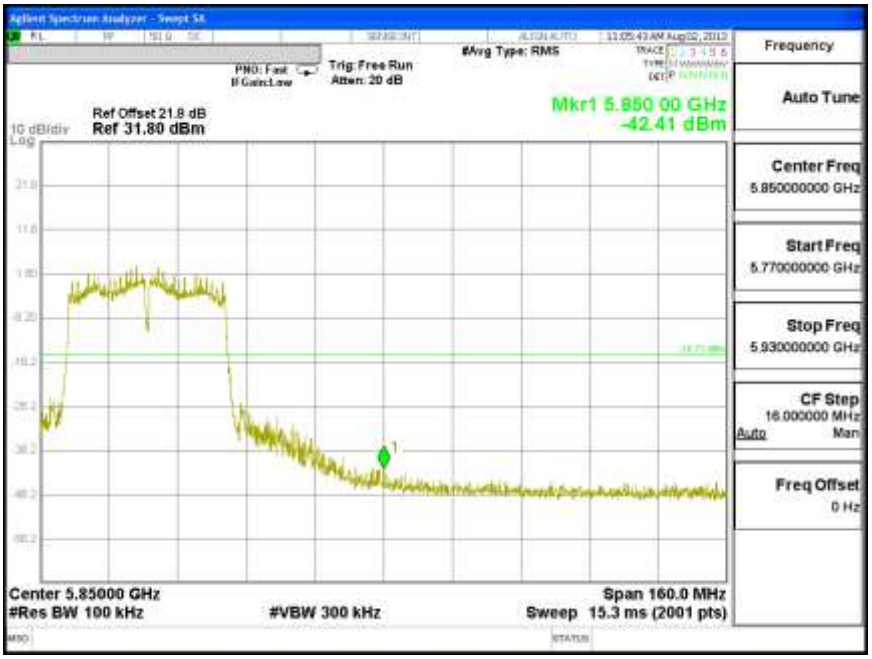
LOW CHANNEL BANDEDGE, Chain 1

AUTHORIZED BAND EDGE Chain 1 LOW CH

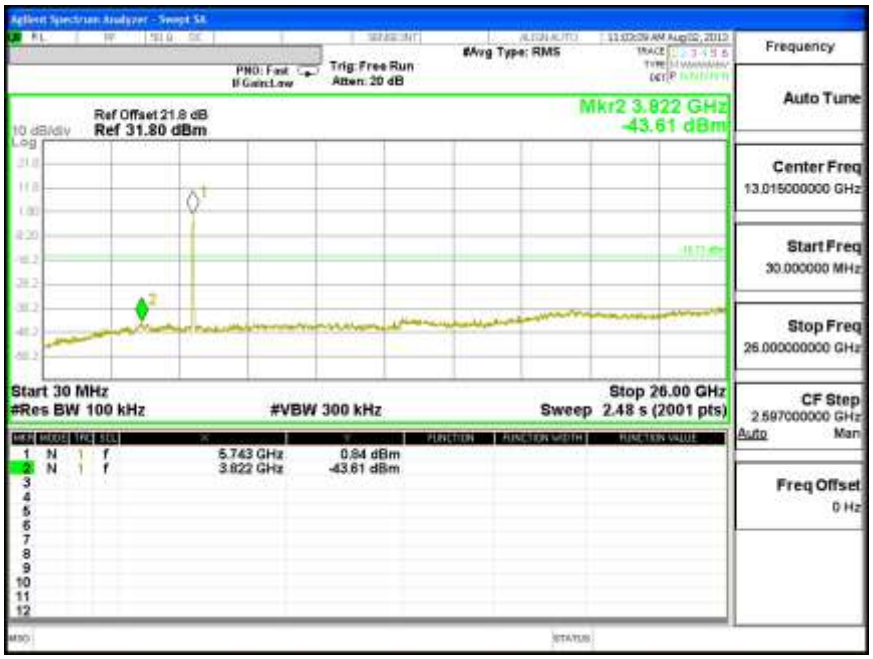


HIGH CHANNEL BANDEDGE, Chain 1

AUTHORIZED BAND EDGE Chain 1 HIGH CH

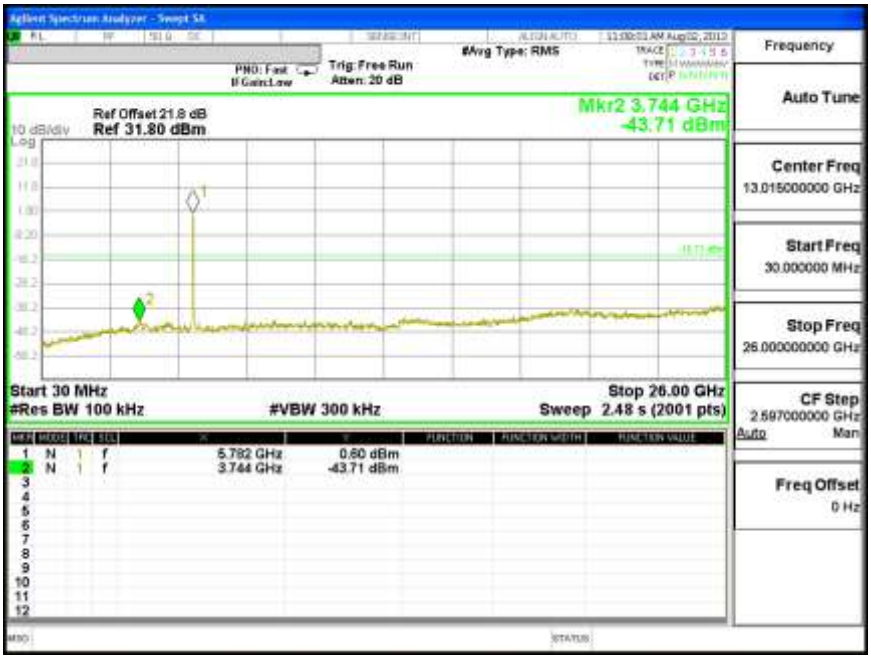


OUT OF BAND Chain 1 LOW CH

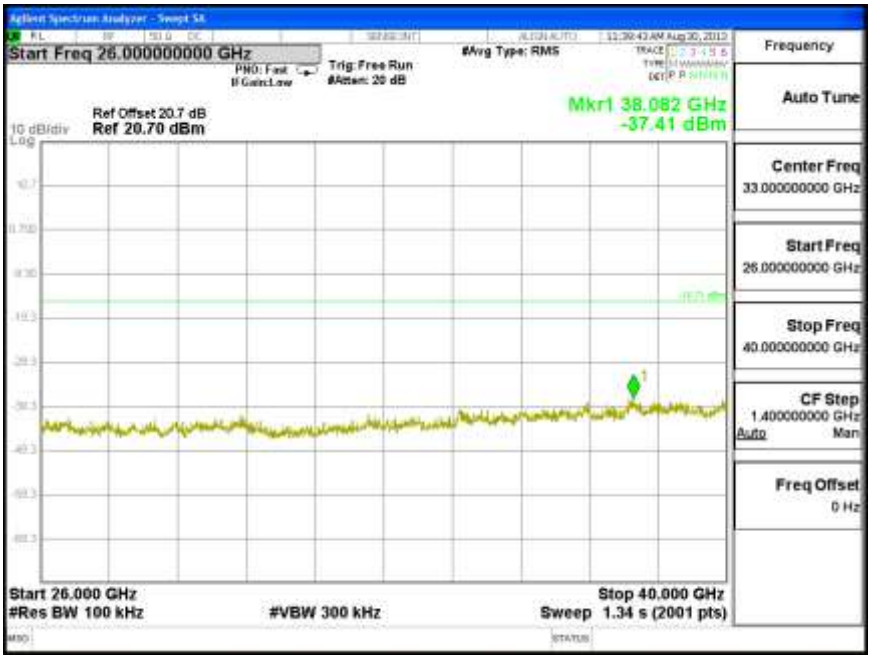


OUT OF BAND Chain 1 LOW CH

OUT OF BAND Chain 1 HIGH CH



OUT OF BAND Chain 1 HIGH CH



9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC RSS-210 Clause 2.6 (Transmitter)

IC RSS-GEN Clause 6 (Receiver)

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

TEST PROCEDURE

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

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

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

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

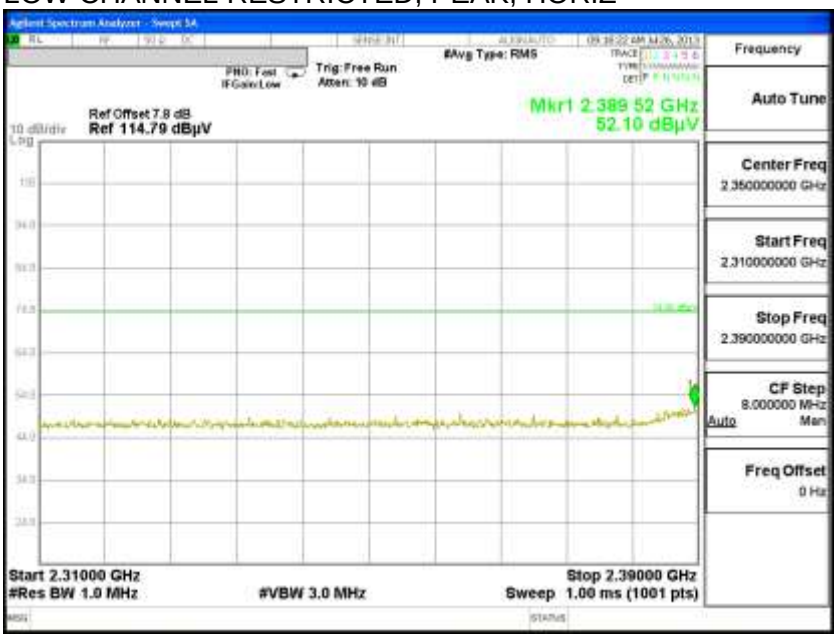
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

9.2. TRANSMITTER ABOVE 1 GHz

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

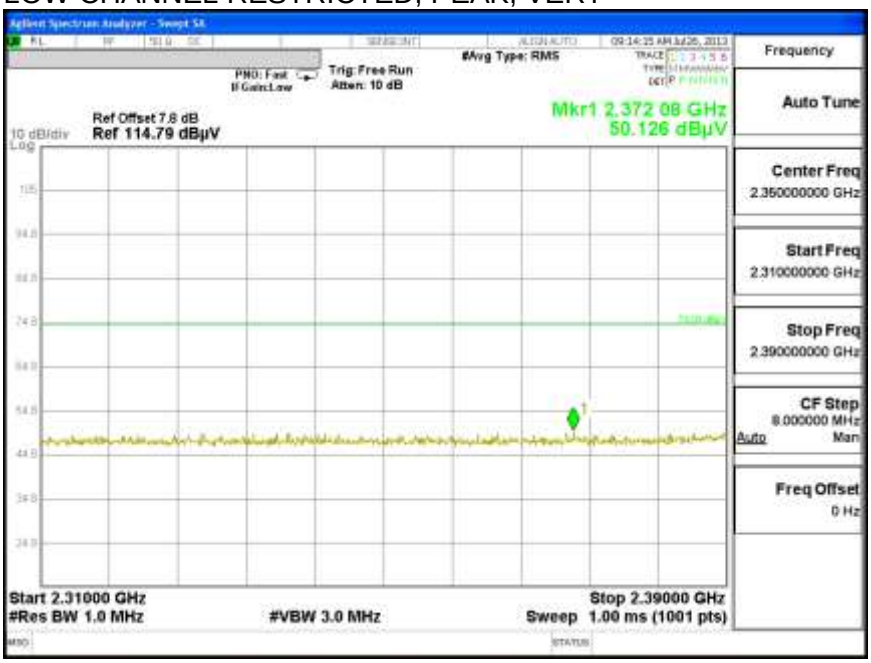
RESTRICTED BANDEDGE (LOW CHANNEL), CH 1

LOW CHANNEL RESTRICTED, PEAK, HORIZ

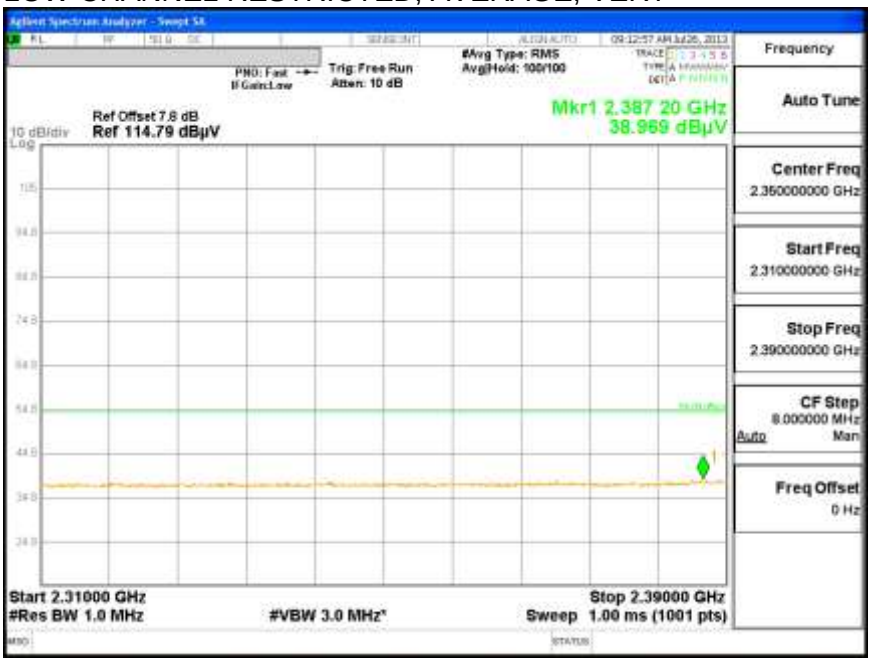


LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

LOW CHANNEL RESTRICTED, PEAK, VERT

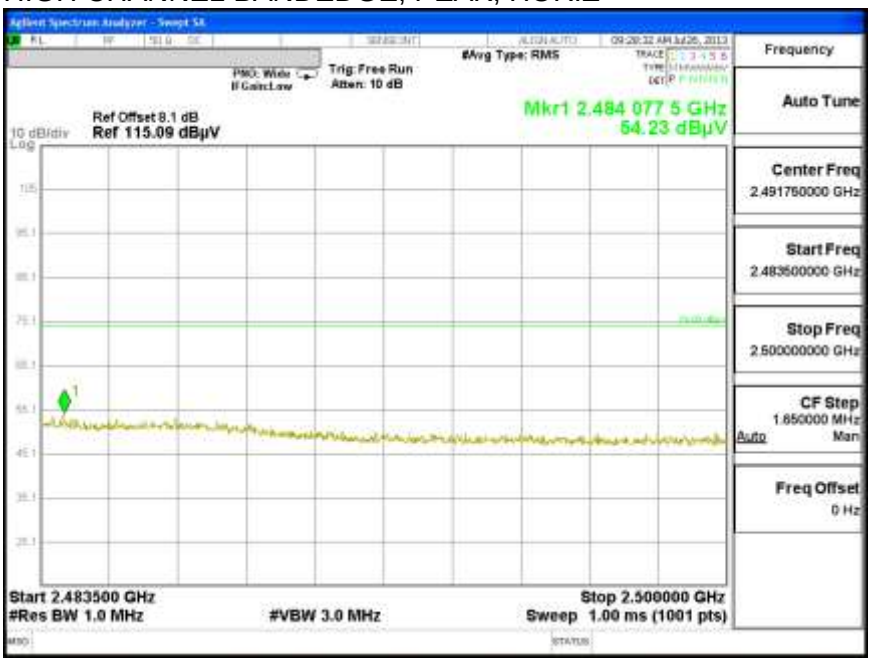


LOW CHANNEL RESTRICTED, AVERAGE, VERT

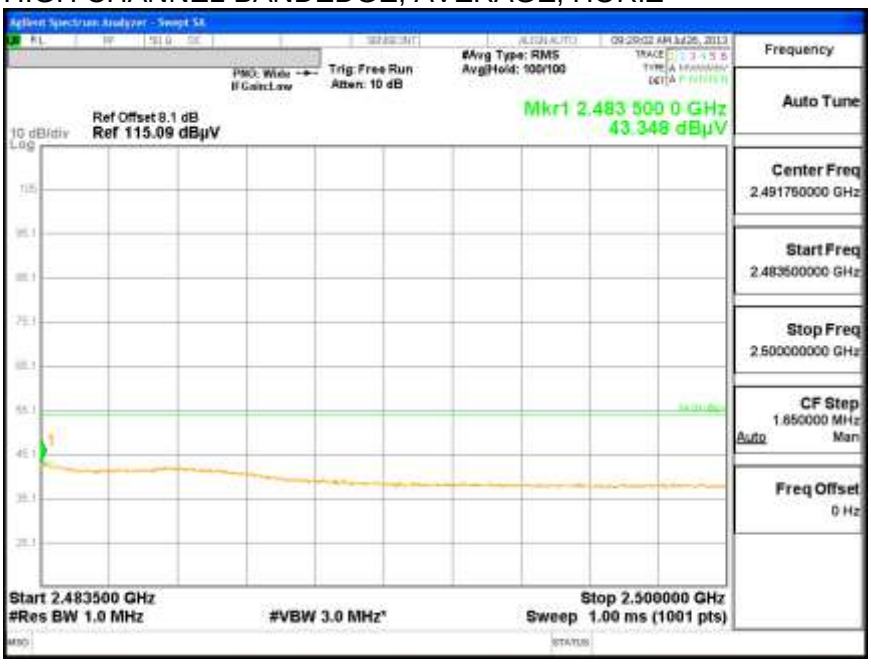


AUTHORIZED BANDEDGE (HIGH CHANNEL), CH 11

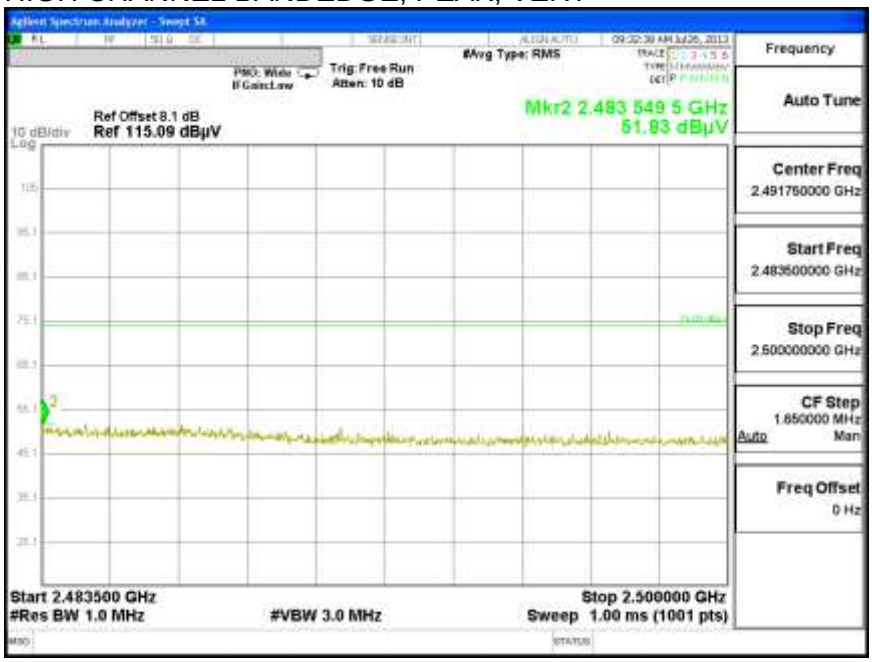
HIGH CHANNEL BANDEDGE, PEAK, HORIZ



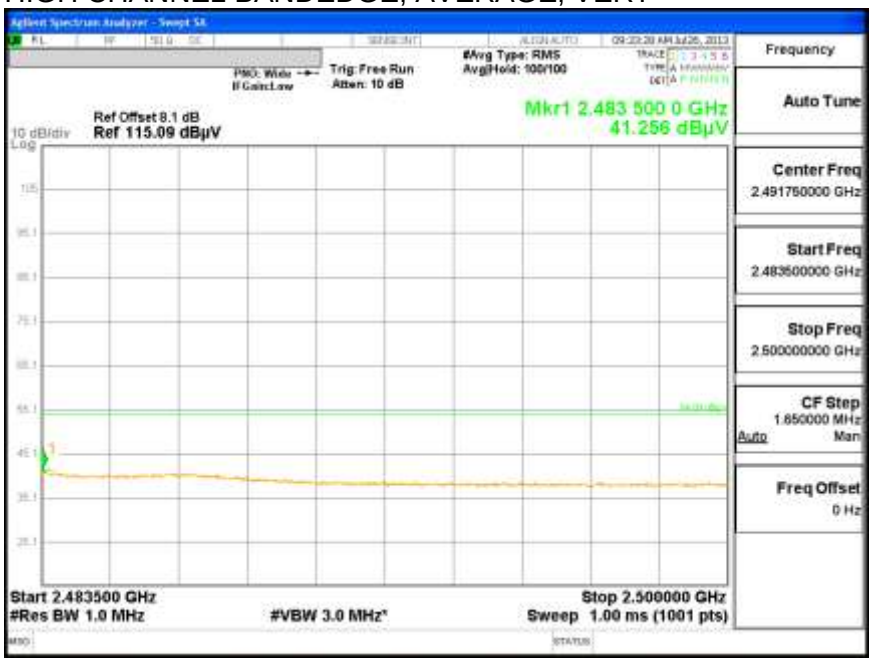
HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ



HIGH CHANNEL BANDEDGE, PEAK, VERT

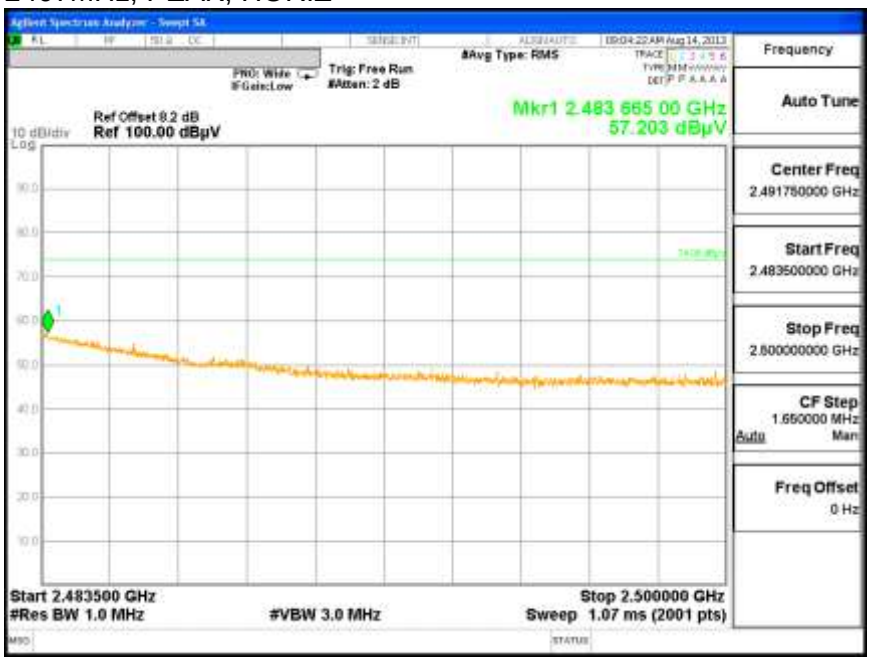


HIGH CHANNEL BANDEDGE, AVERAGE, VERT



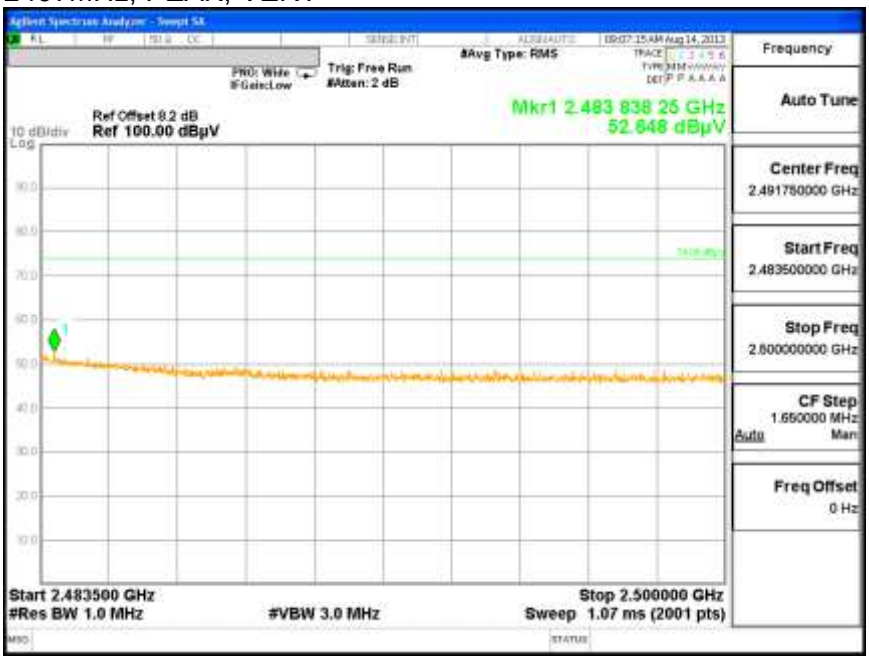
2467MHz BANDEDGE, CH 12

2467MHz, PEAK, HORIZ

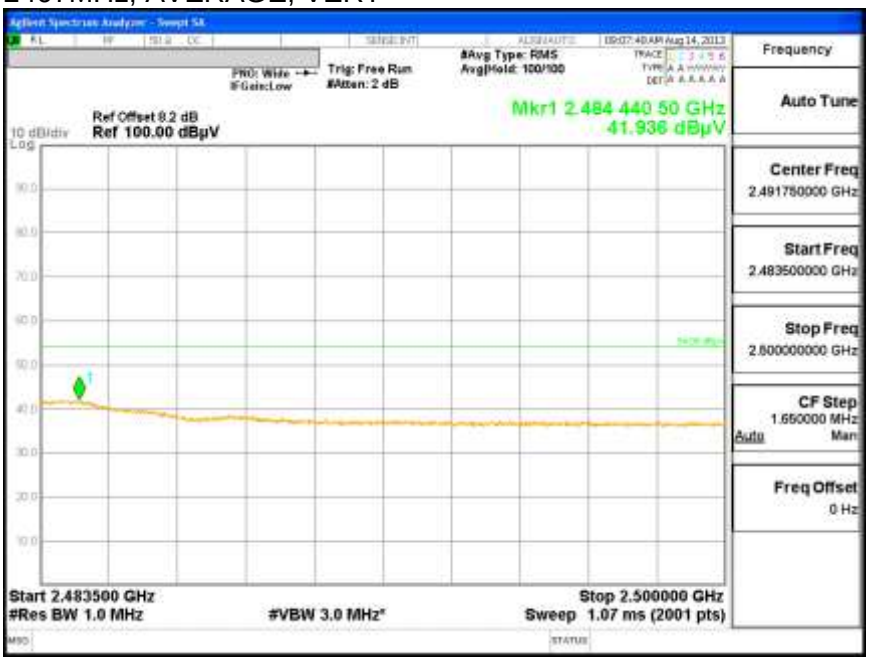


2467MHz, AVERAGE, HORIZ

2467MHz, PEAK, VERT

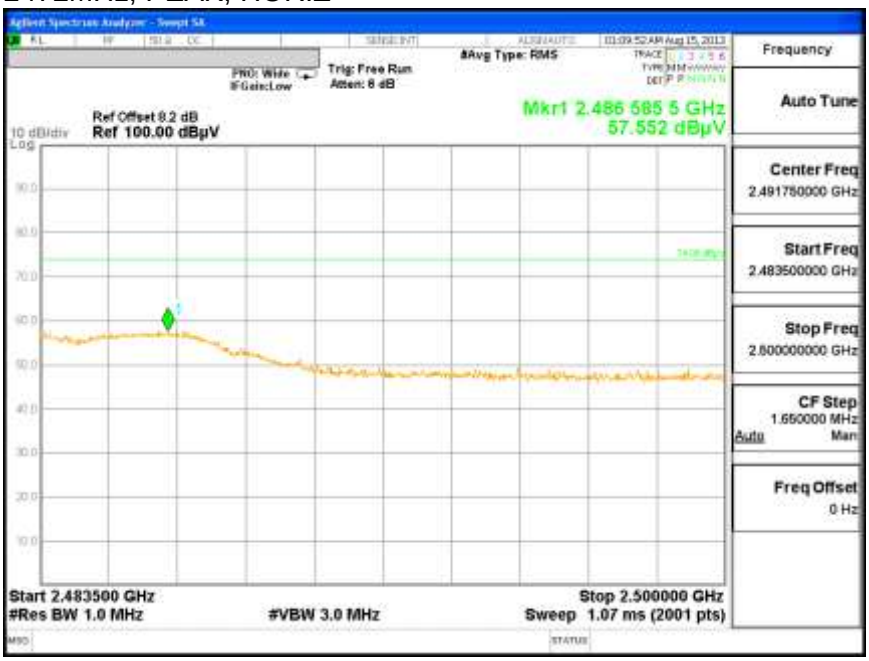


2467MHz, AVERAGE, VERT

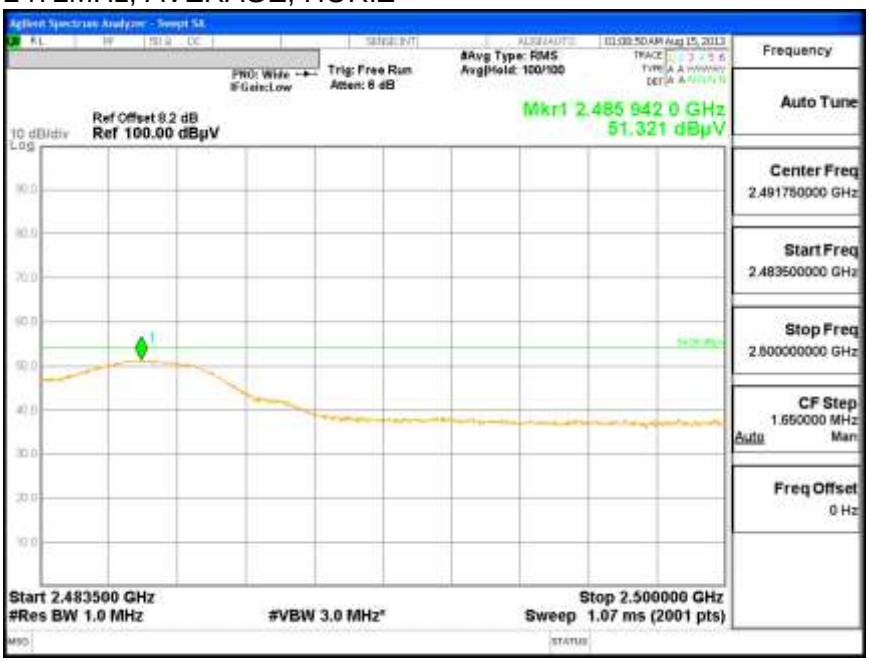


2472MHz BANDEDGE, CH 13

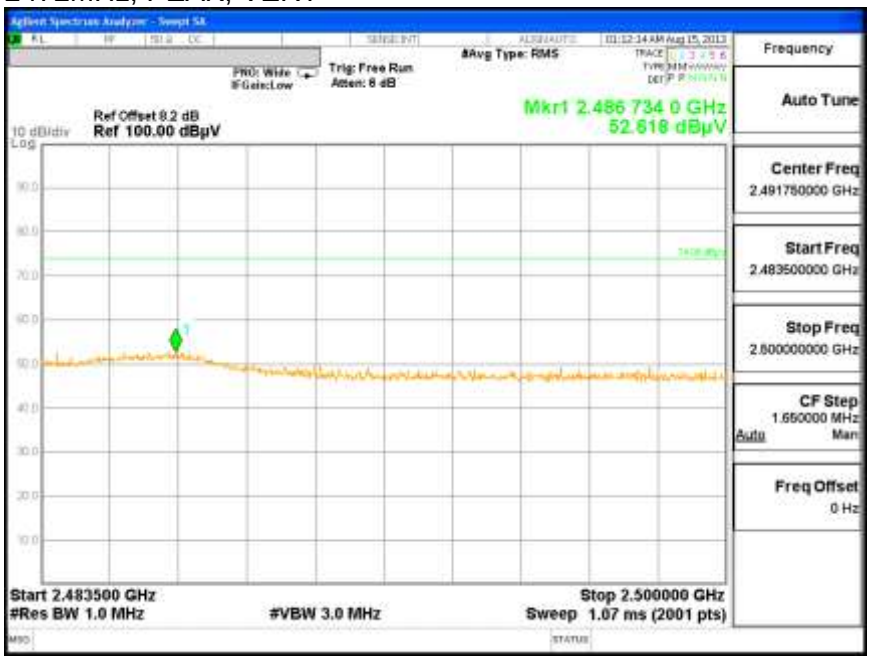
2472MHz, PEAK, HORIZ



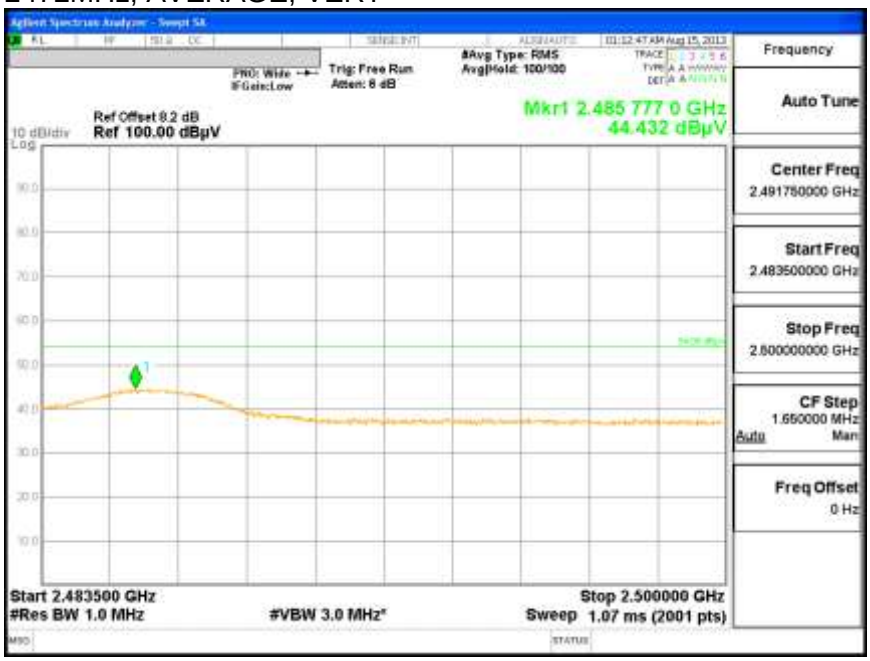
2472MHz, AVERAGE, HORIZ



2472MHz, PEAK, VERT

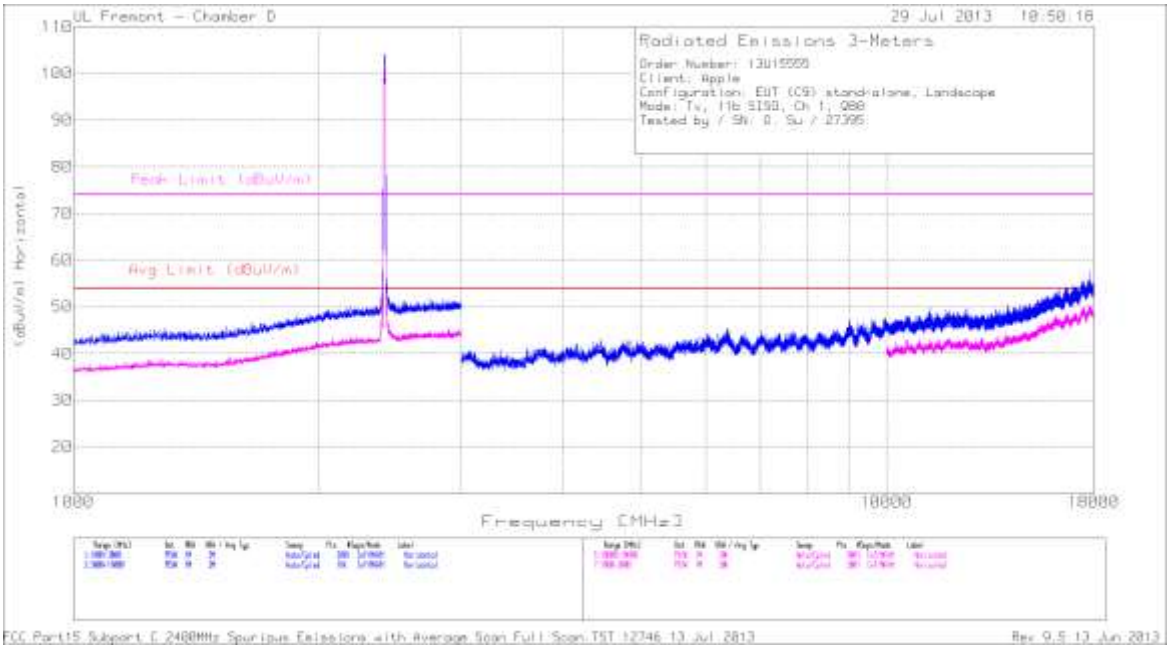


2472MHz, AVERAGE, VERT

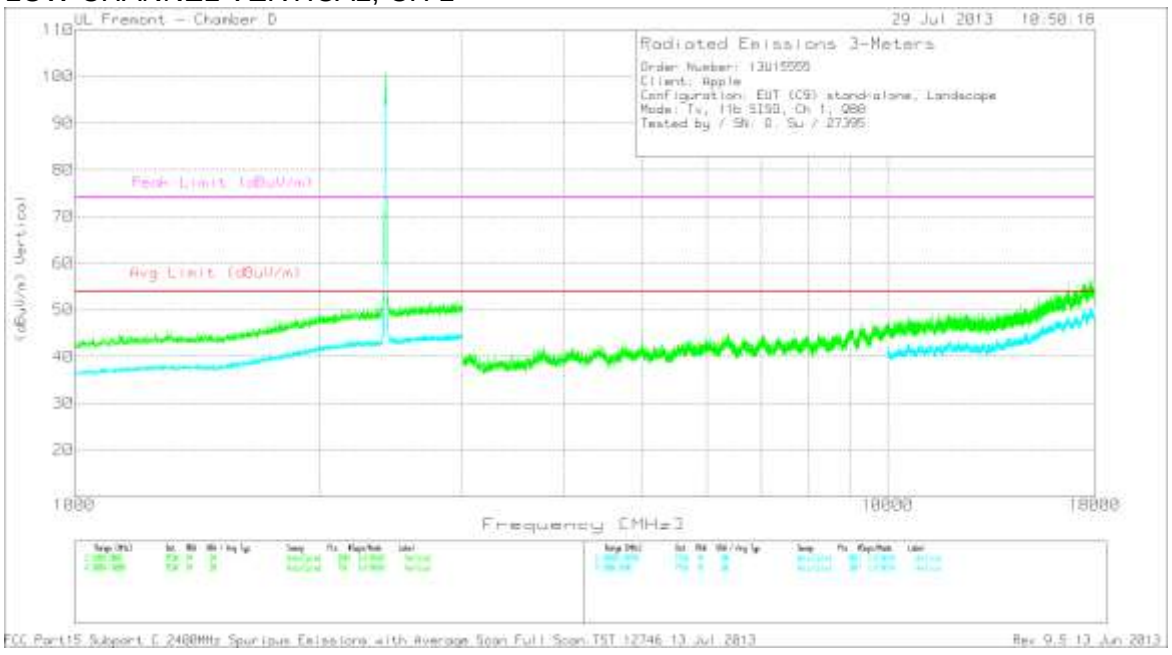


HARMONICS AND SPURIOUS EMISSIONS

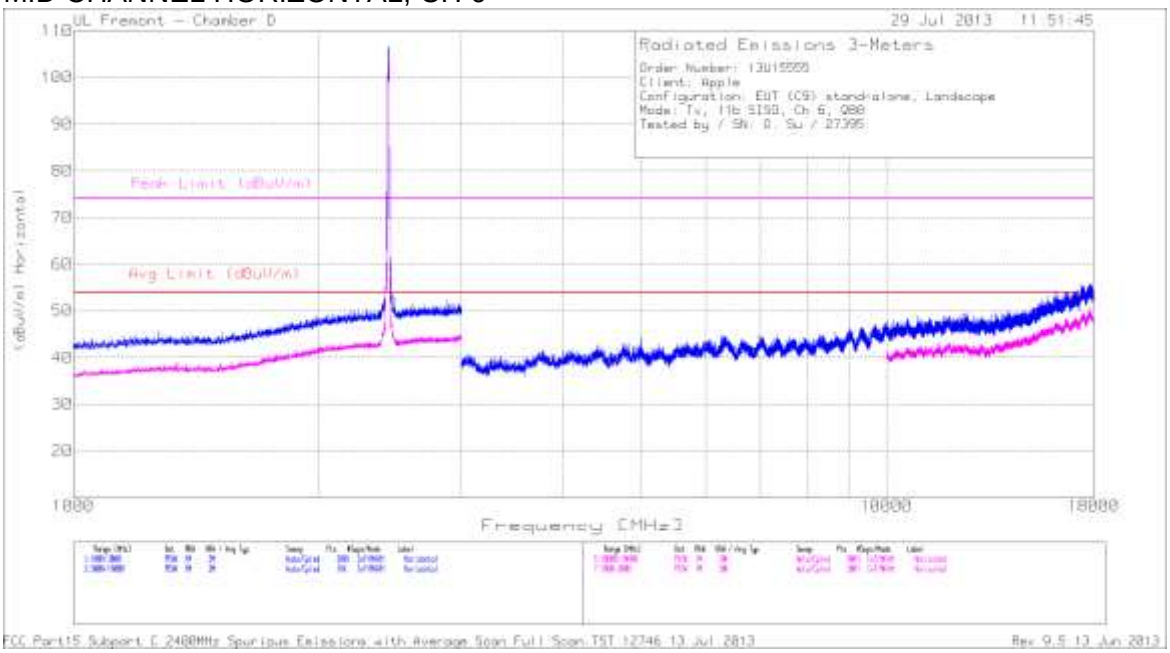
LOW CHANNEL HORIZONTAL, CH 1



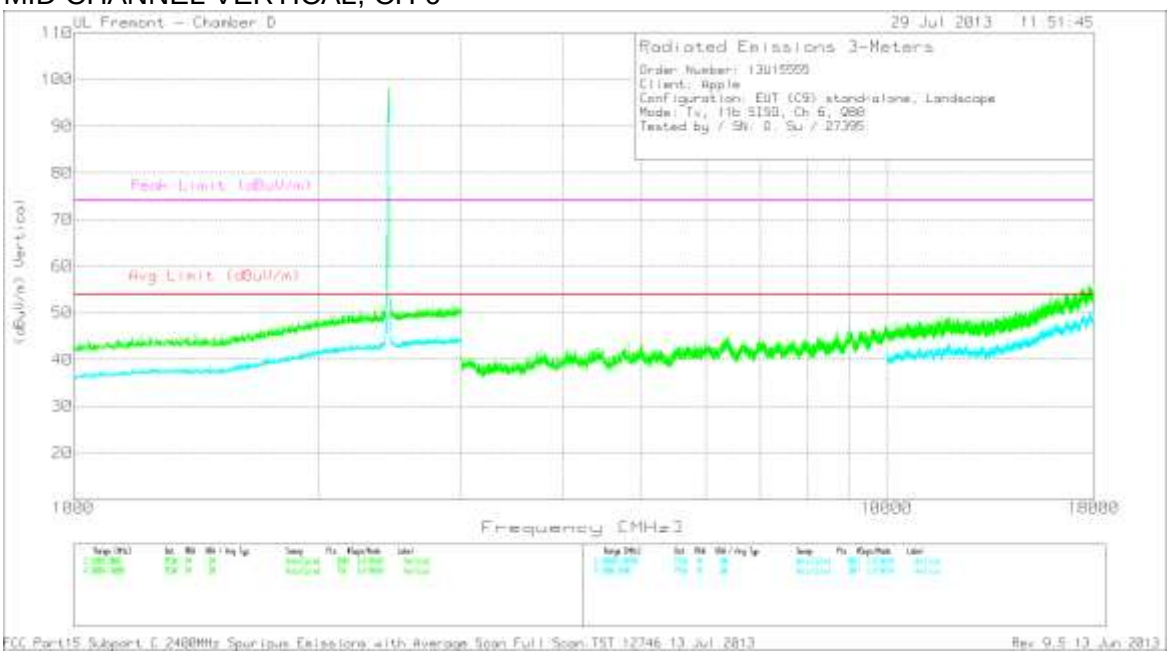
LOW CHANNEL VERTICAL, CH 1



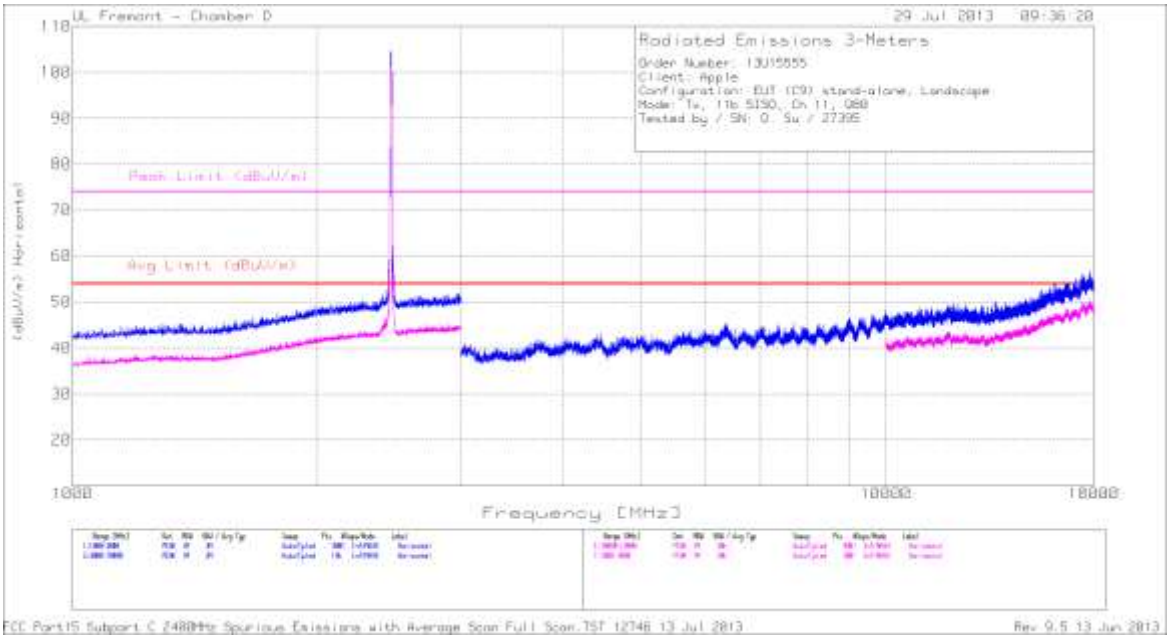
MID CHANNEL HORIZONTAL, CH 6



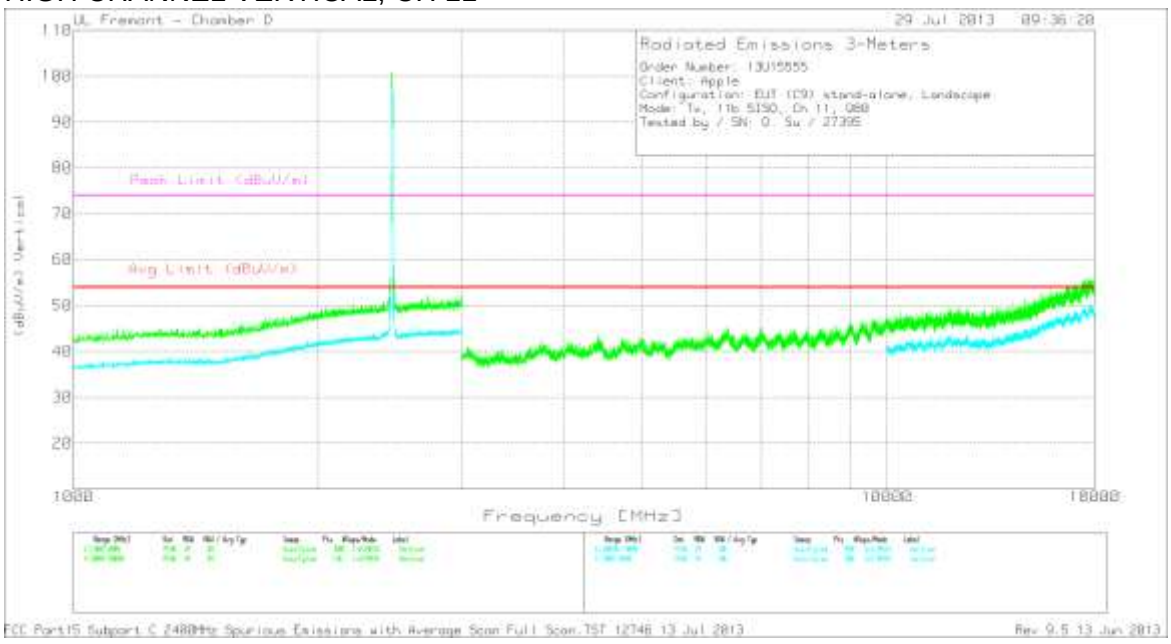
MID CHANNEL VERTICAL, CH 6



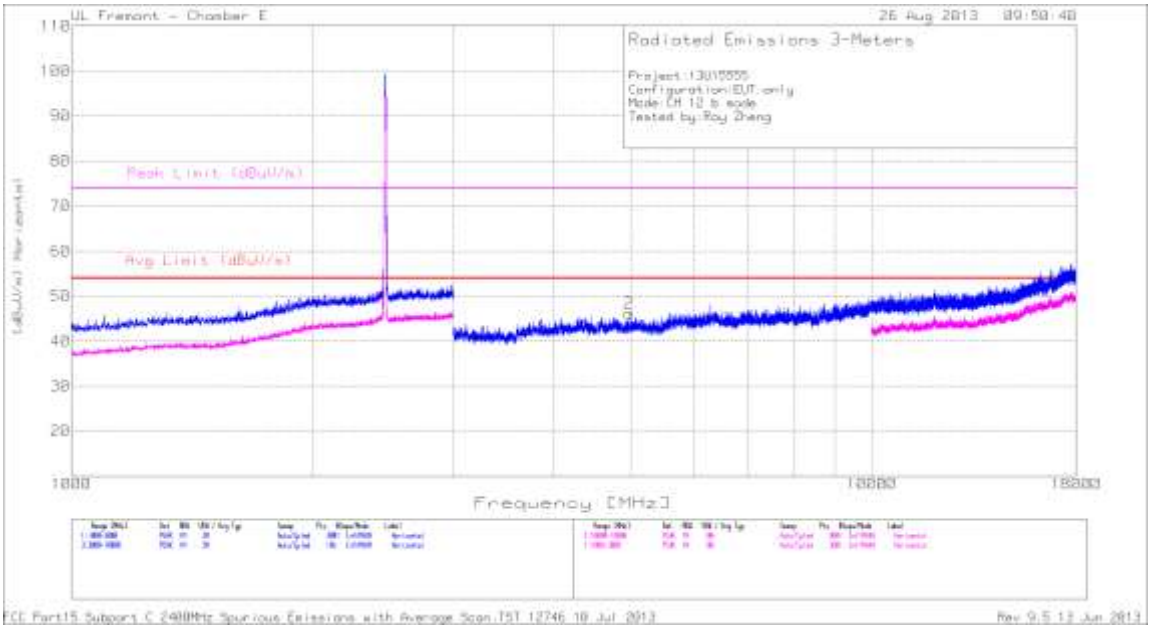
HIGH CHANNEL HORIZONTAL, CH 11



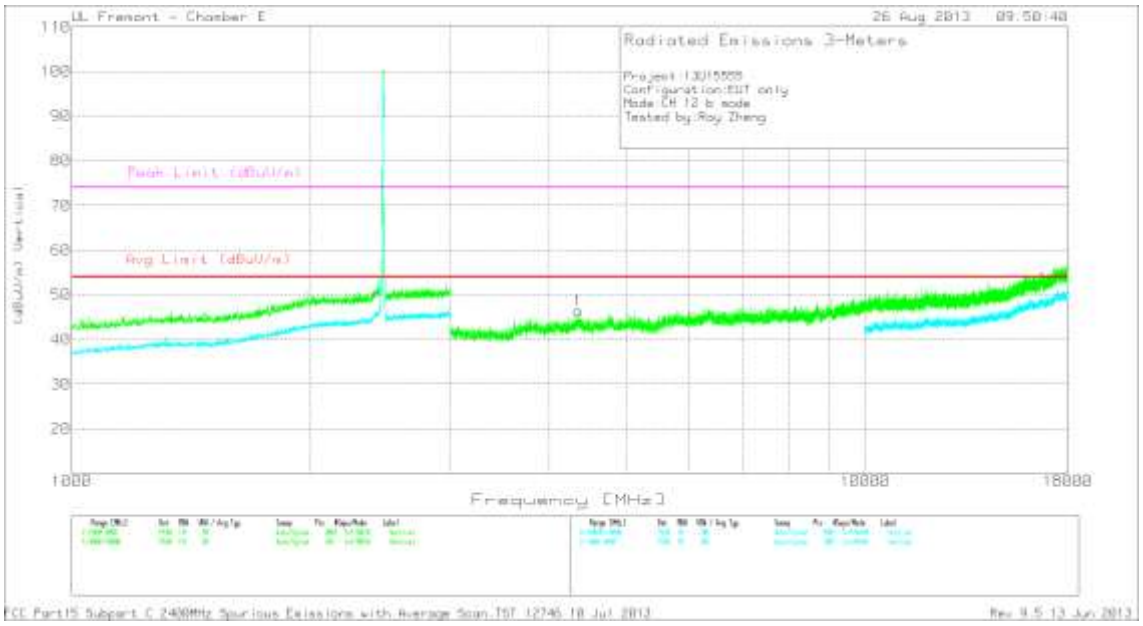
HIGH CHANNEL VERTICAL, CH 11



2467MHz HORIZONTAL, CH 12



2467MHz VERITICAL, CH 12

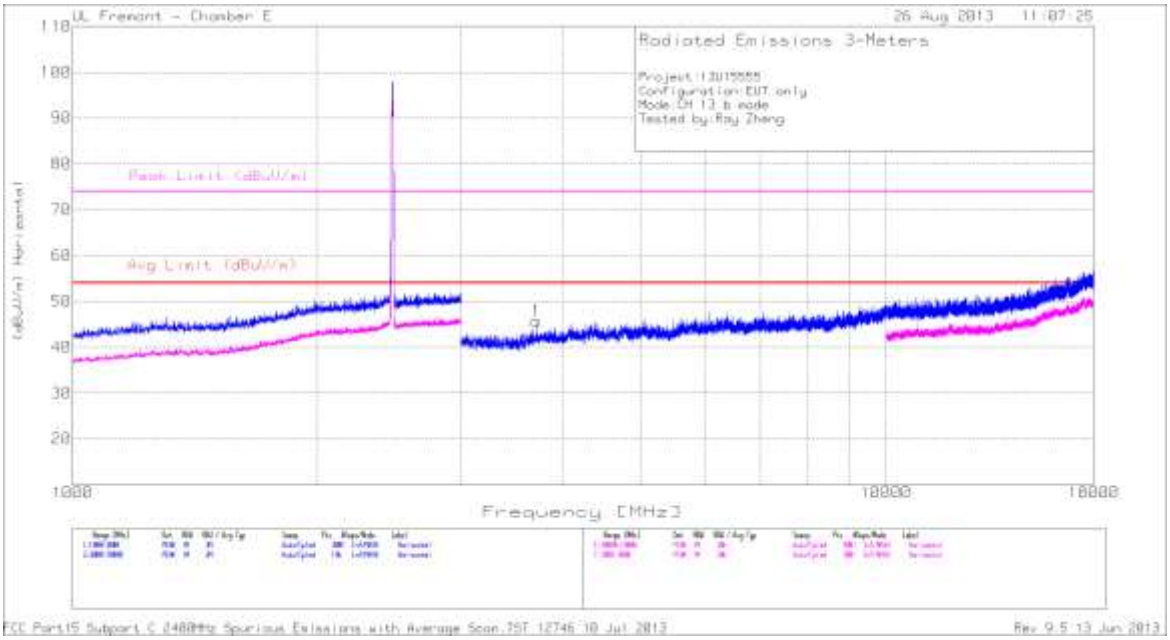


DATA

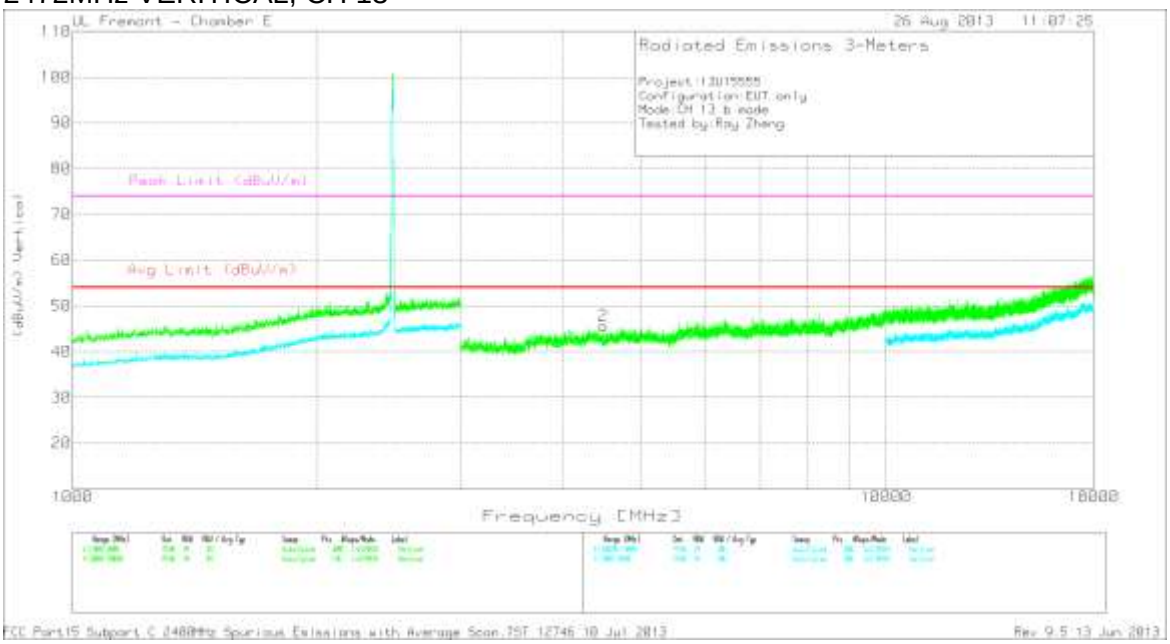
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
2	4.972	42.7	PK	34.4	-30.9	46.2	53.97	-7.77	74	-27.8	100	H
1	4.35	42.63	PK	34.1	-30.3	46.43	53.97	-7.54	74	-27.57	101	V

PK - Peak detector

2472MHz HORIZONTAL, CH 13



2472MHz VERITICAL, CH 13



DATA

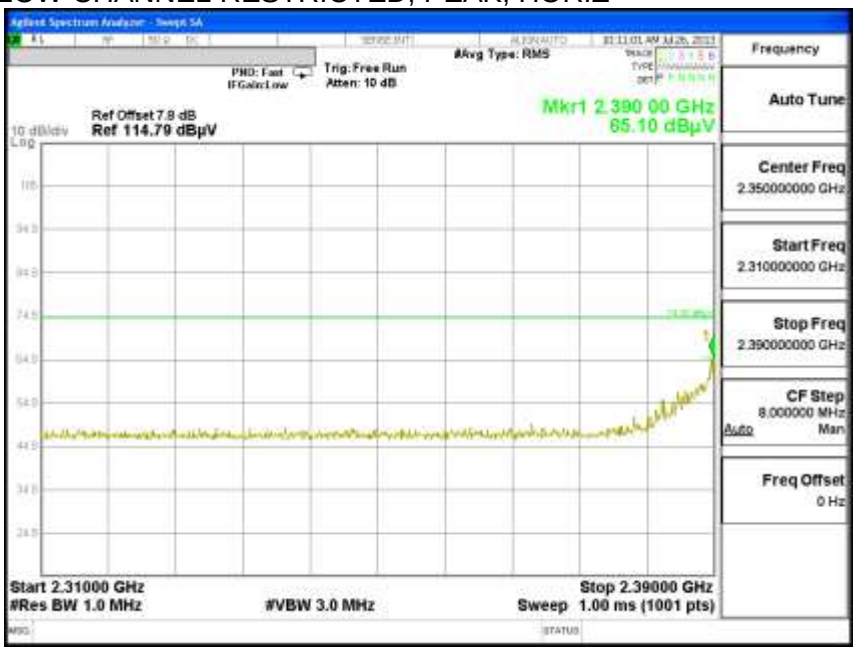
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	3.717	43.37	PK	33.6	-31.3	45.67	53.97	-8.3	74	-28.33	199	H
2	4.492	42.61	PK	34.3	-31.3	45.61	53.97	-8.36	74	-28.39	100	V

PK - Peak detector

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

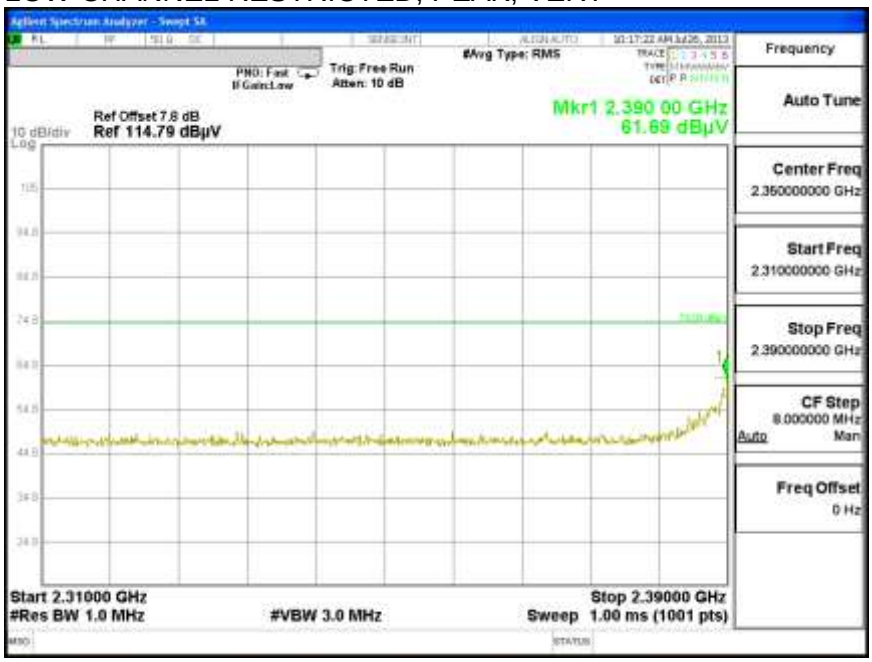
RESTRICTED BANDEDGE (LOW CHANNEL), CH 1

LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

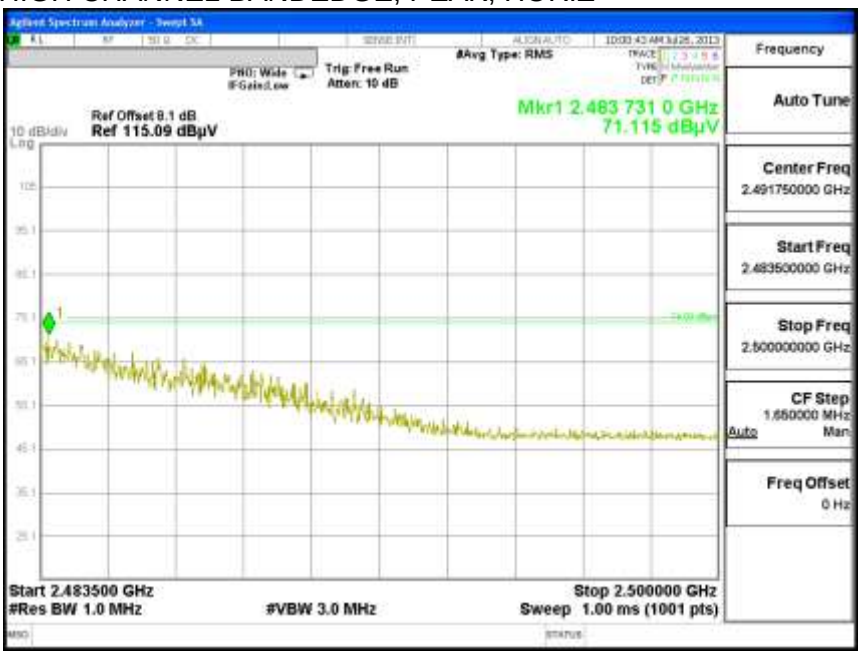
LOW CHANNEL RESTRICTED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

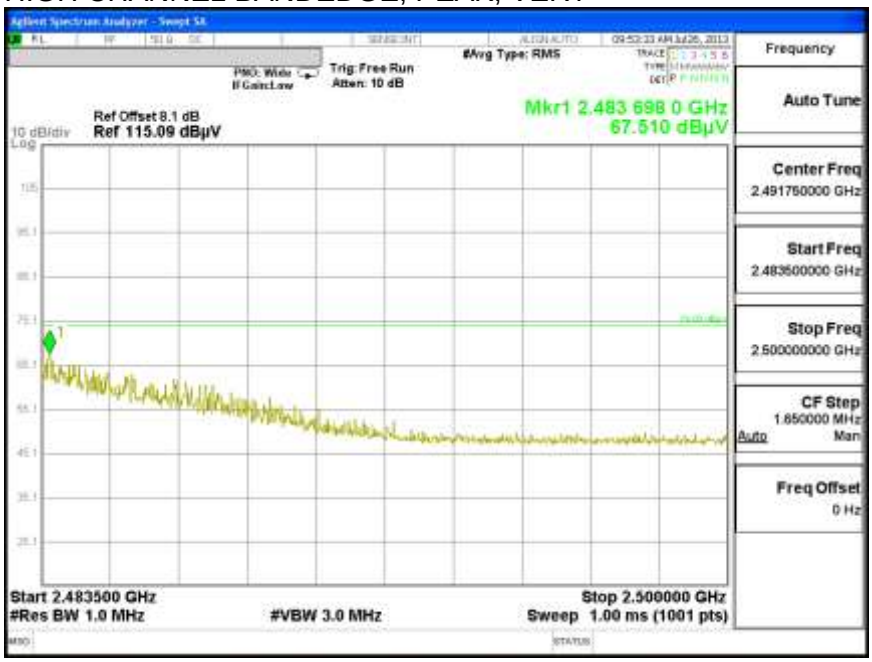
AUTHORIZED BANDEDGE (HIGH CHANNEL), CH 11

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ

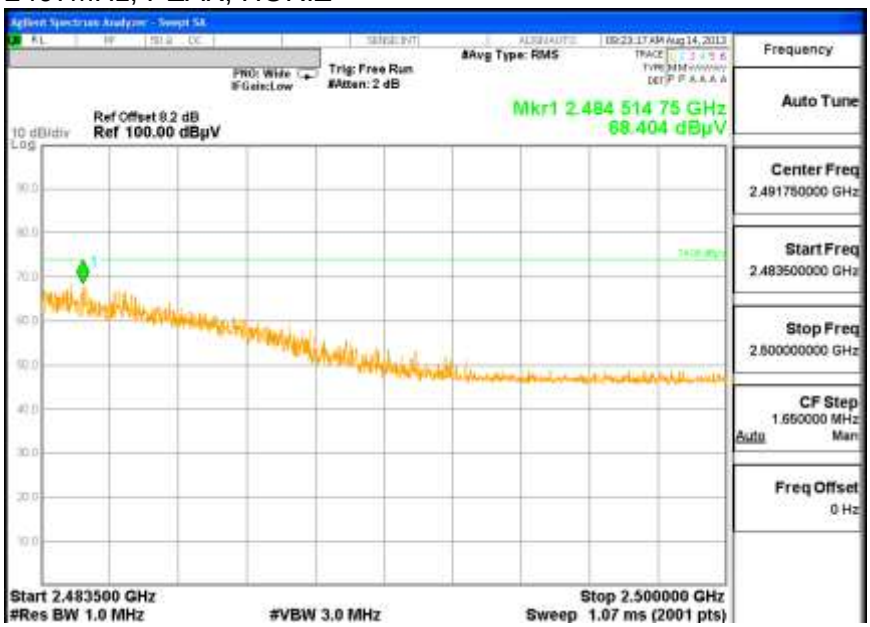
HIGH CHANNEL BANDEDGE, PEAK, VERT



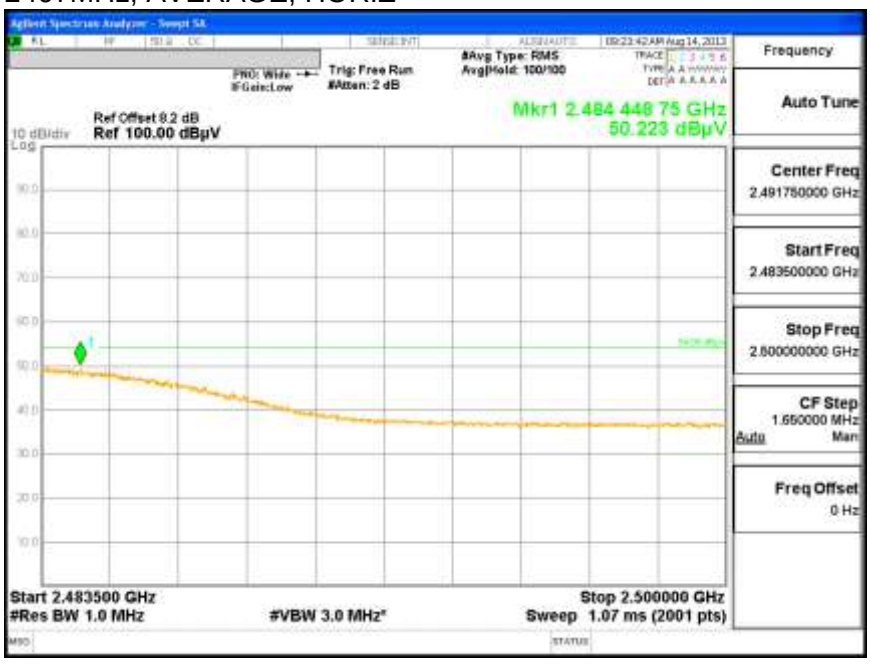
HIGH CHANNEL BANDEDGE, AVERAGE, VERT

2467MHz BANDEDGE, CH 12

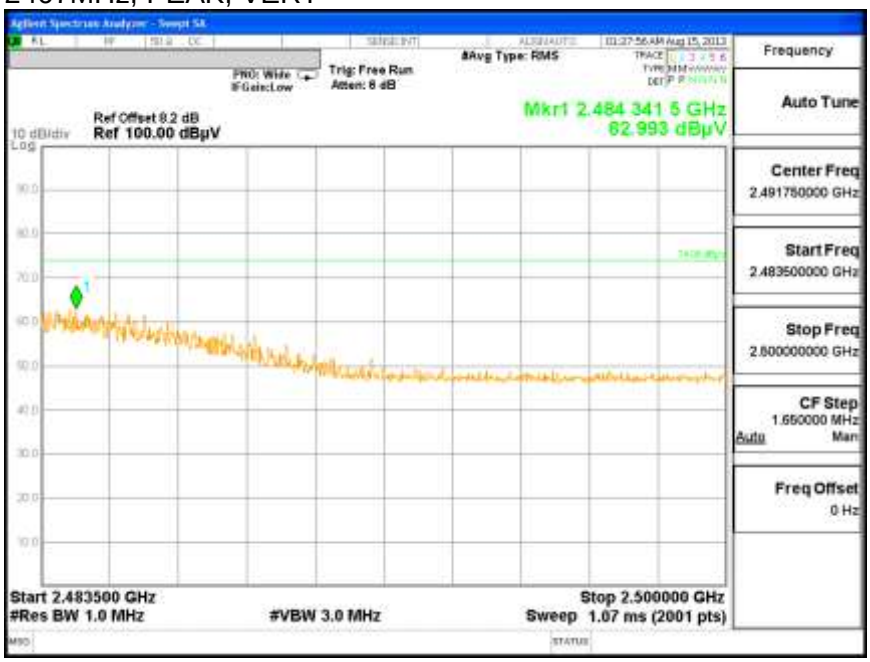
2467MHz, PEAK, HORIZ



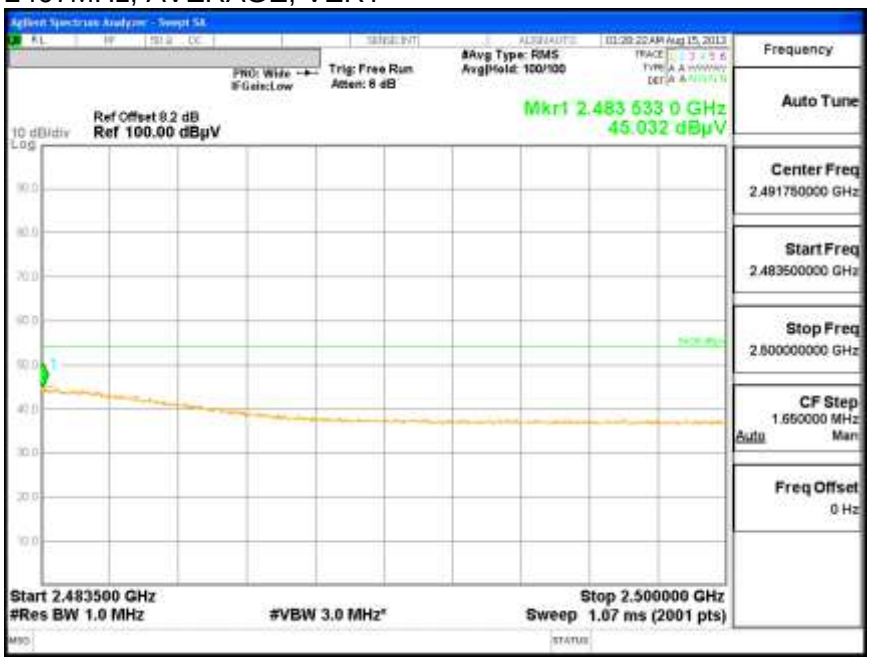
2467MHz, AVERAGE, HORIZ



2467MHz, PEAK, VERT

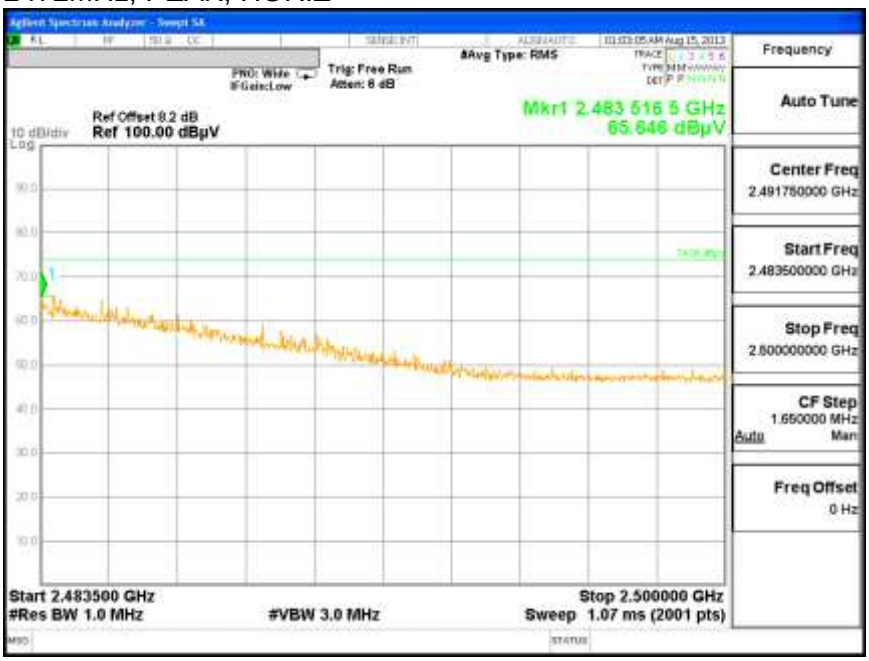


2467MHz, AVERAGE, VERT

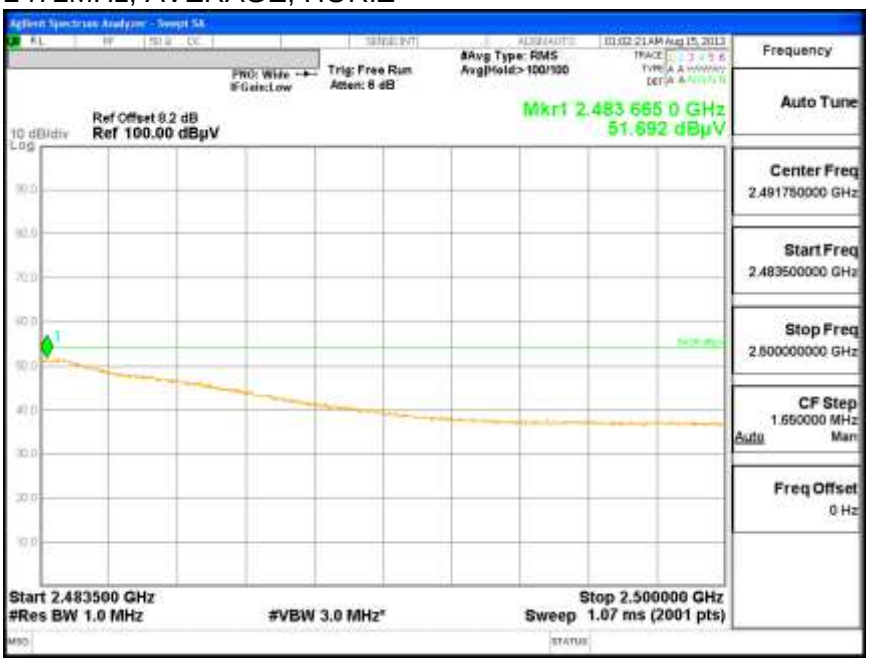


2472MHz BANDEDGE, CH 13

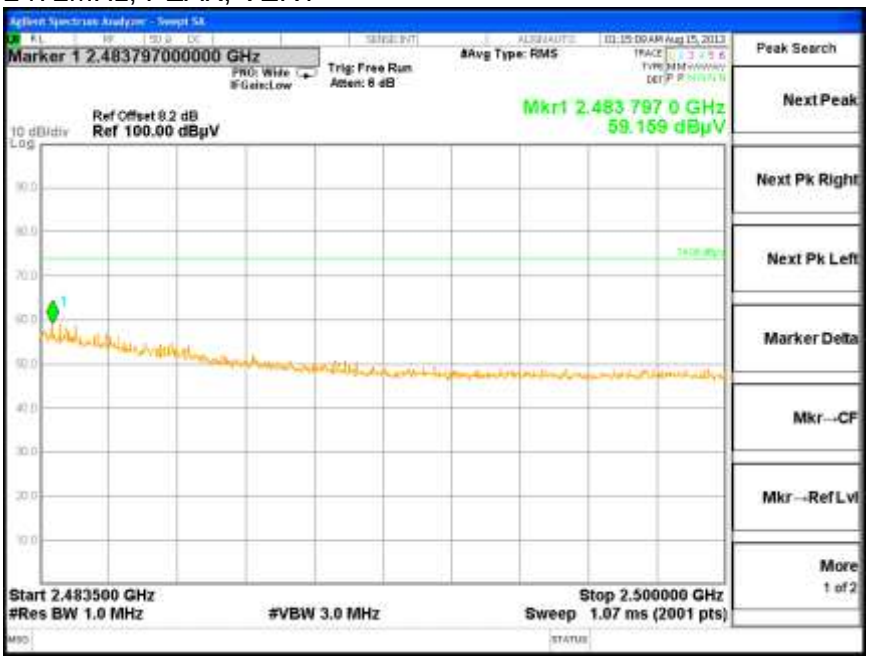
2472MHz, PEAK, HORIZ



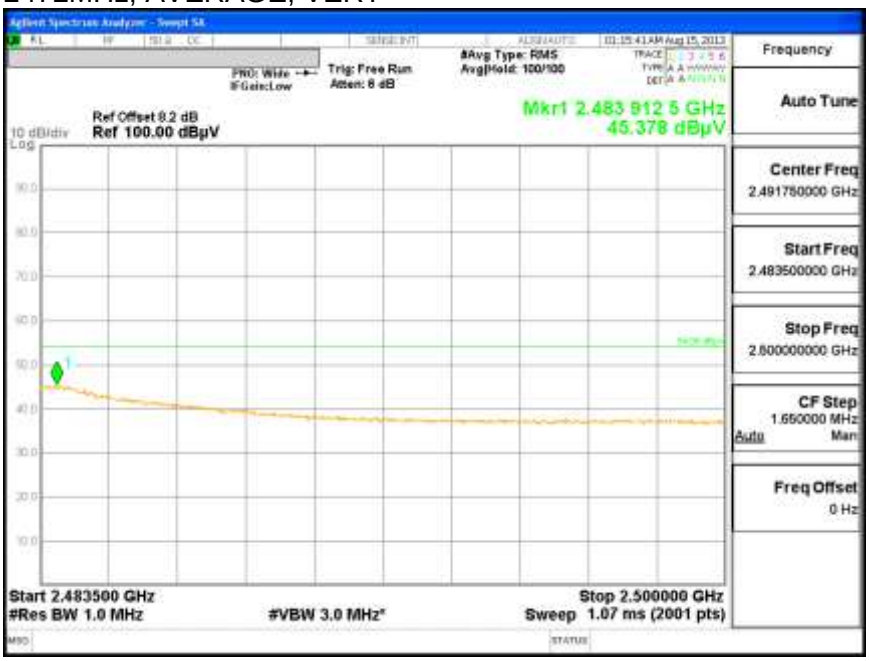
2472MHz, AVERAGE, HORIZ



2472MHz, PEAK, VERT

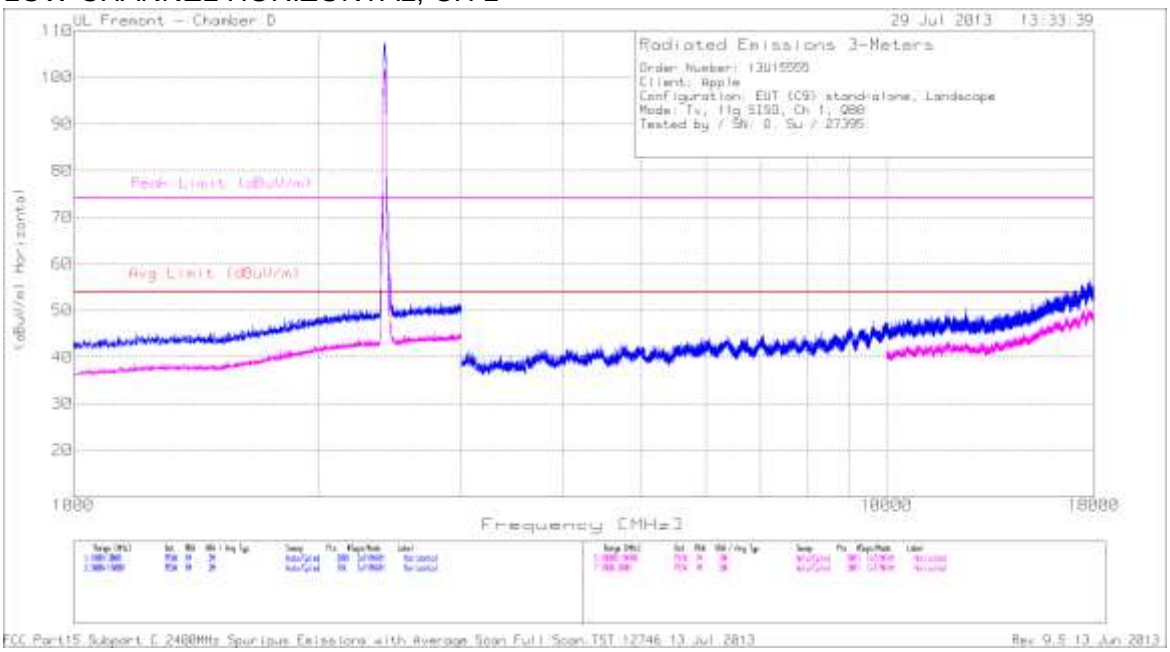


2472MHz, AVERAGE, VERT

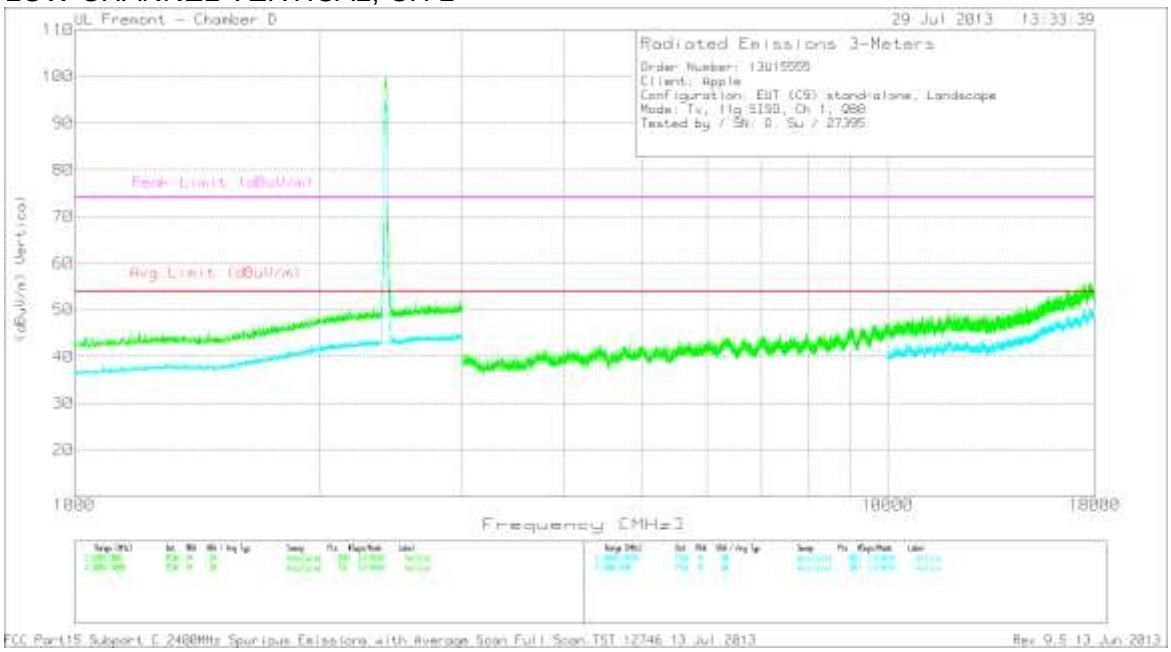


HARMONICS AND SPURIOUS EMISSIONS

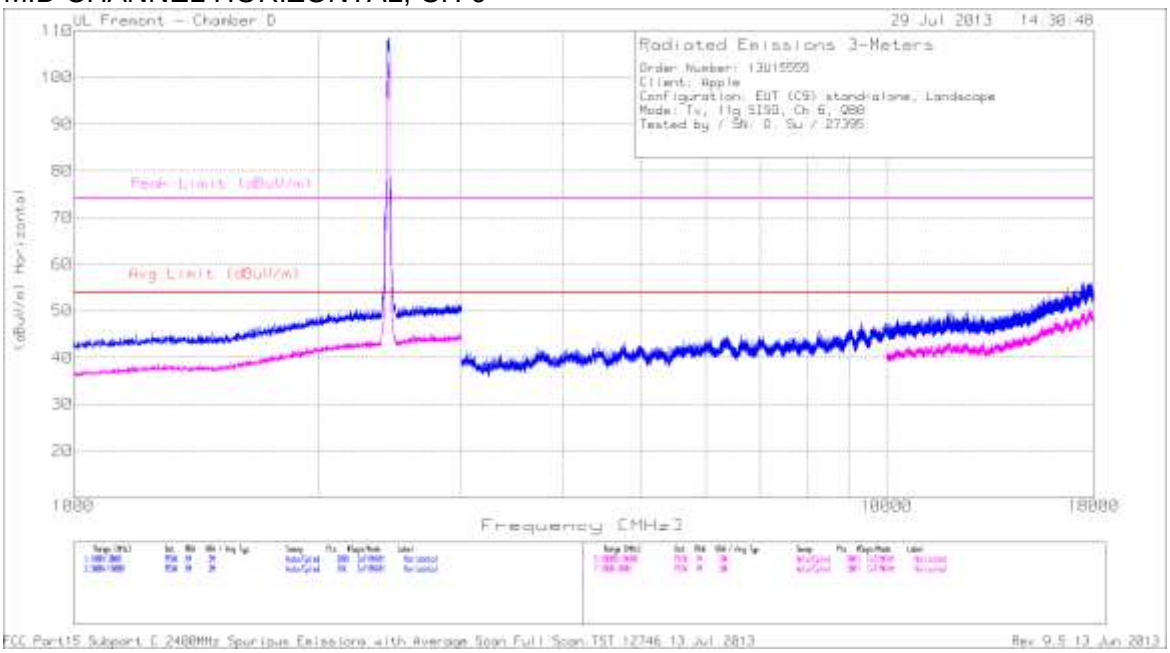
LOW CHANNEL HORIZONTAL, CH 1



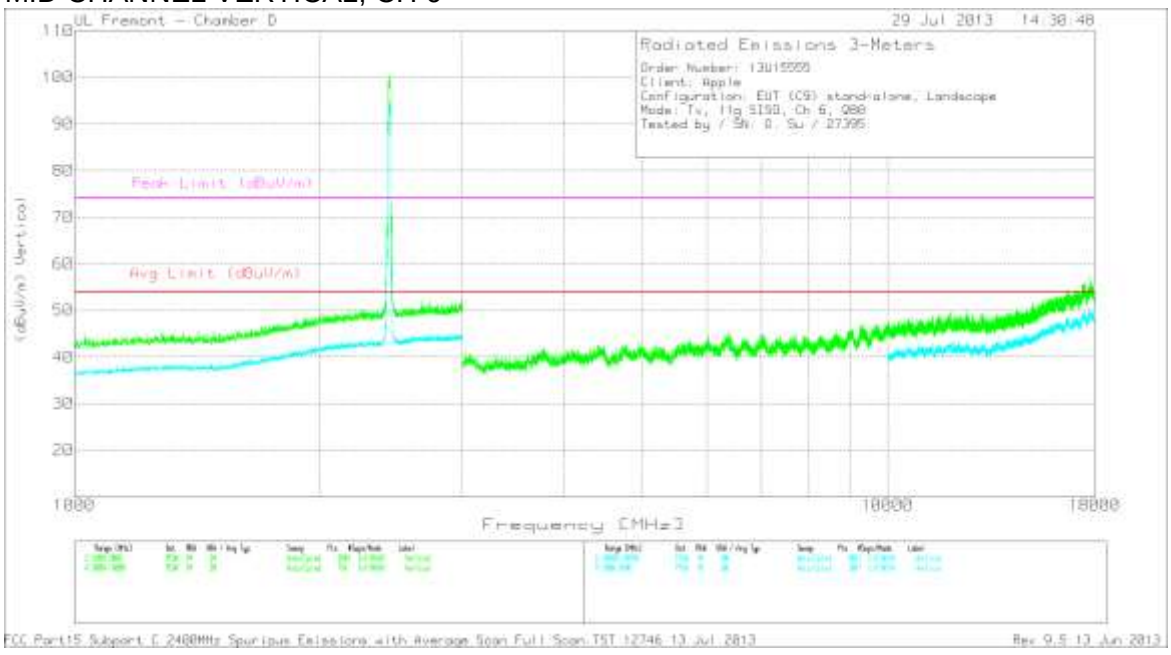
LOW CHANNEL VERTICAL, CH 1



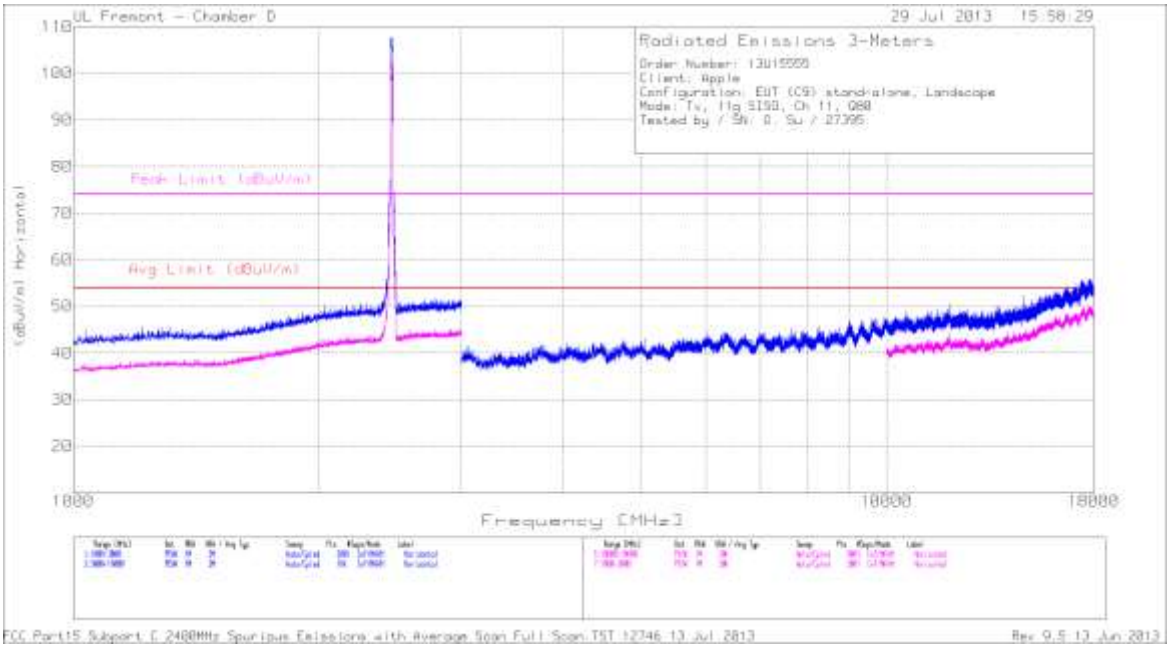
MID CHANNEL HORIZONTAL, CH 6



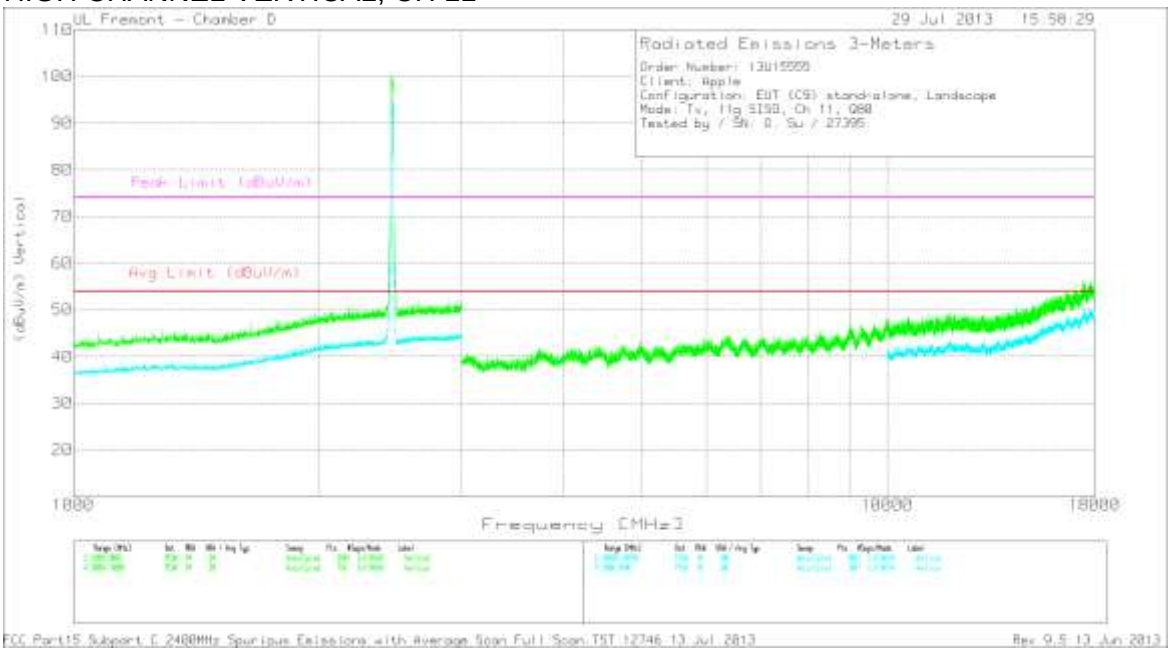
MID CHANNEL VERTICAL, CH 6



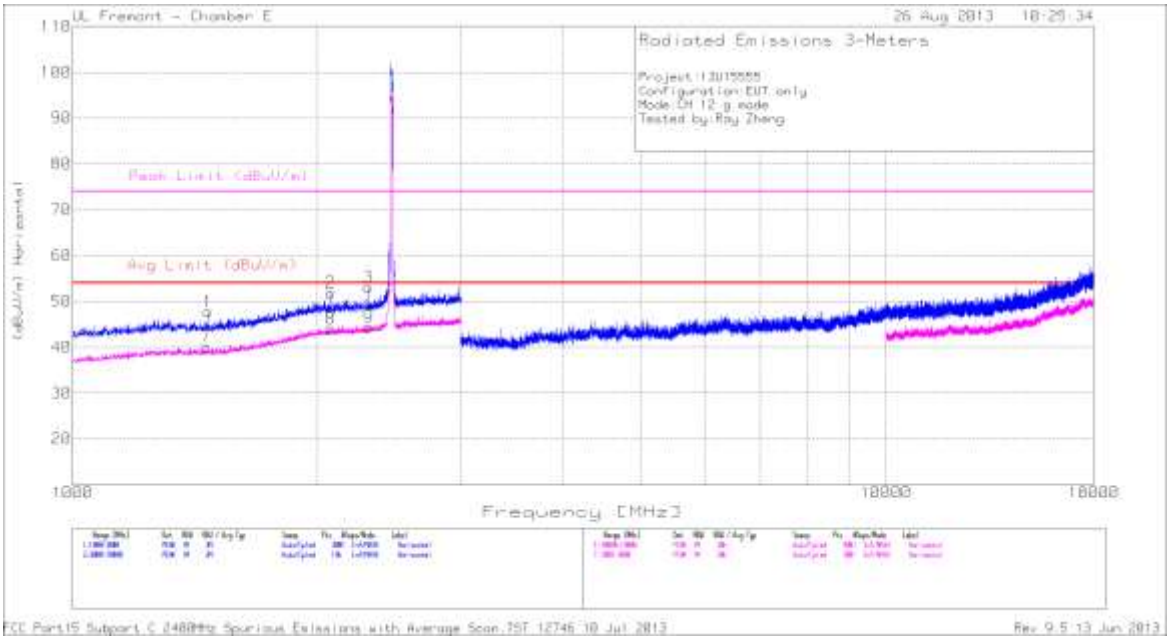
HIGH CHANNEL HORIZONTAL, CH 11



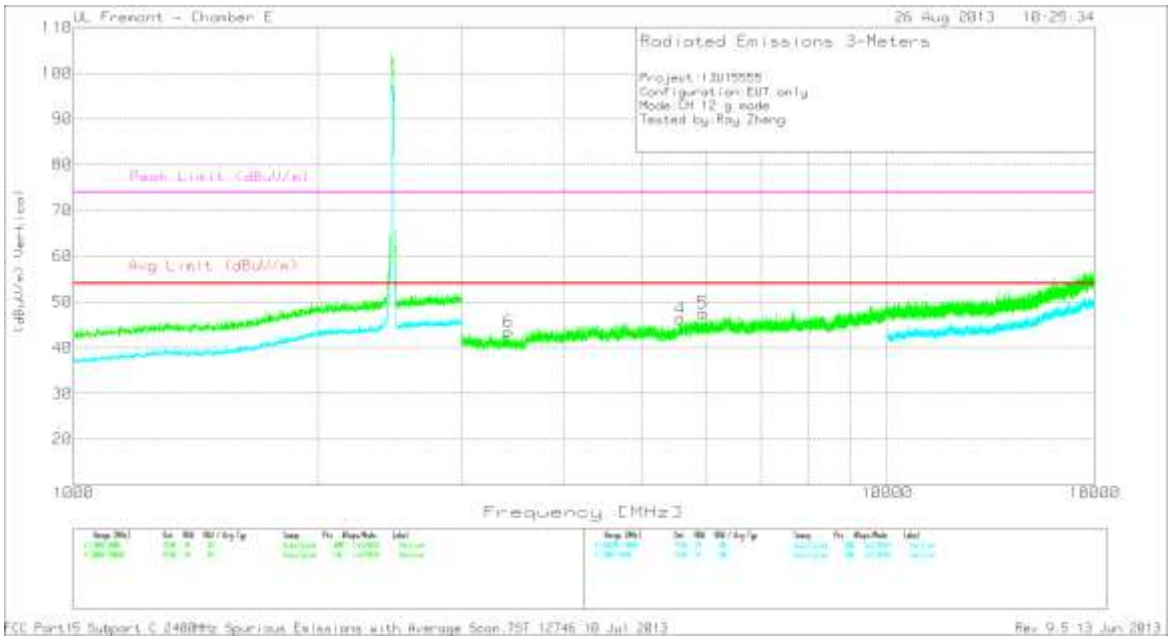
HIGH CHANNEL VERTICAL, CH 11



2467MHz HORIZONTAL, CH 12



2467MHz VERTICAL, CH 12



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	1.467	45.31	PK	28.9	-26.5	47.71	--	--	74	-26.29	99	H
*2	2.076	44.8	PK	32.2	-25.2	51.8	--	--	--	--	199	H
3	2.311	45.75	PK	32.5	-25.2	53.05	--	--	74	-20.95	199	H
7	1.459	37.74	PK (VB)	28.9	-26.5	40.14	53.97	-13.83	--	--	100	H
*8	2.076	37.06	PK (VB)	32.2	-25.2	44.06	--	--	--	--	199	H
9	2.312	37.07	PK (VB)	32.5	-25.2	44.37	53.97	-9.6	--	--	199	H

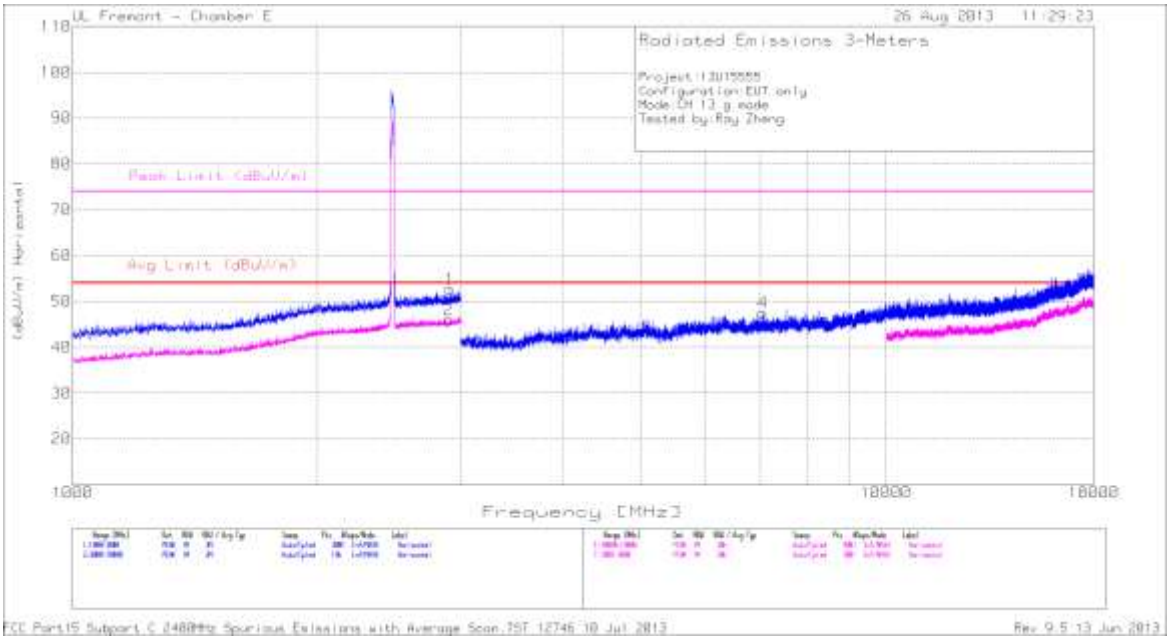
PK - Peak detector

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 3GHz HPF	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
4	5.568	41.94	PK	35	-30.6	46.34	53.97	-7.63	74	-27.66	100	V
5	5.933	41.86	PK	35.7	-30	47.56	53.97	-6.41	74	-26.44	199	V
6	3.426	41.55	PK	33.2	-31.3	43.45	53.97	-10.52	74	-30.55	100	V

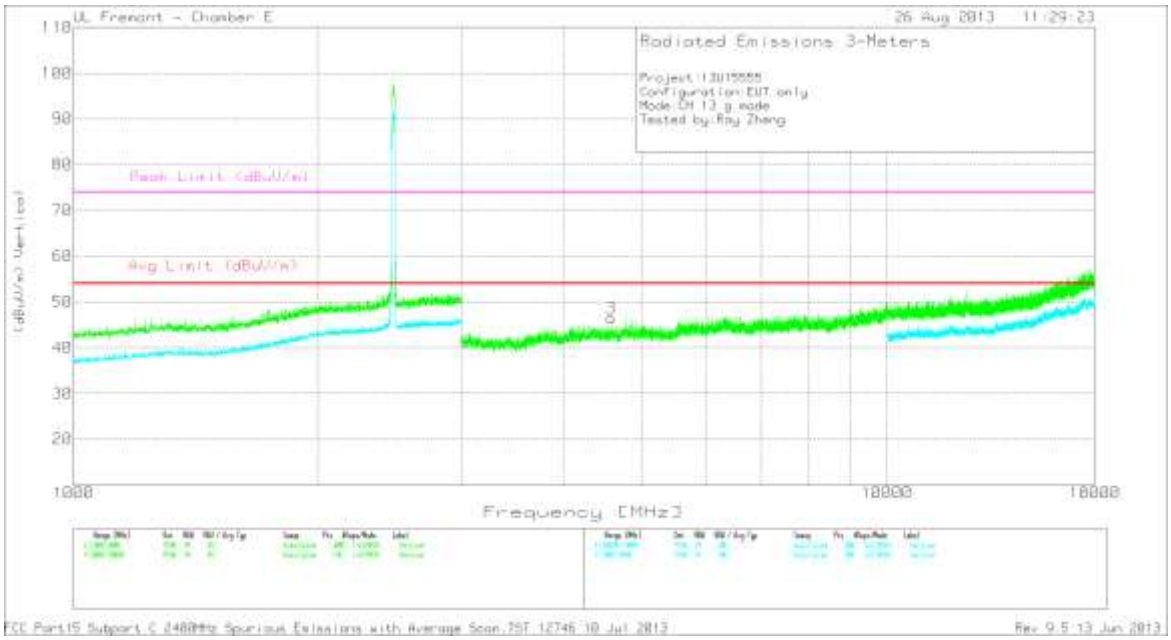
*Not in Restricted Band

PK - Peak detector

2472MHz HORIZONTAL, CH 13



2472MHz VERITICAL, CH 13



DATA

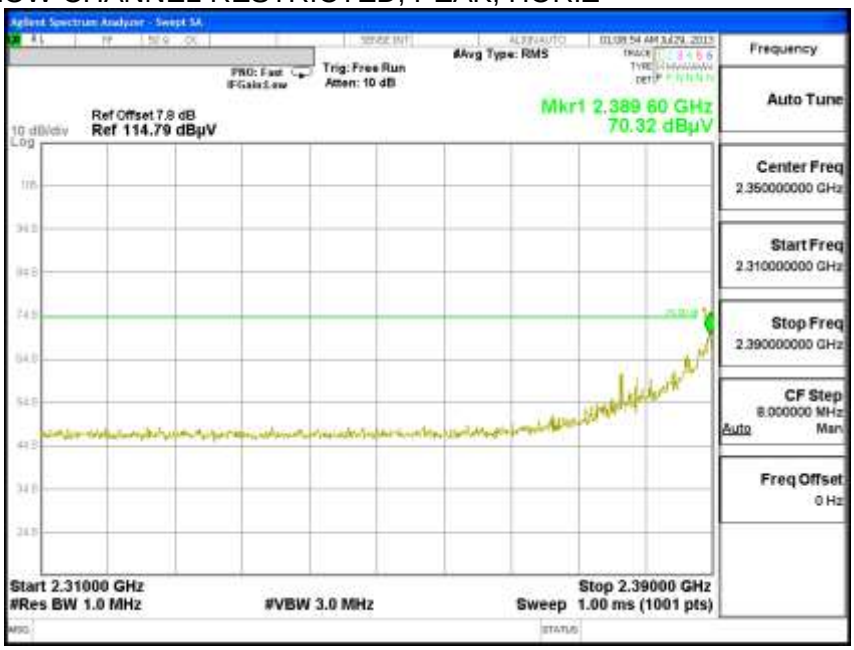
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	2.91	43.65	PK	33.2	-24.2	52.65	--	--	74	-21.35	99	H
2	2.899	36.92	PK (VB)	33.2	-24.2	45.92	53.97	-8.05	--	--	100	H
3	4.581	43.29	PK	34.3	-31.2	46.39	53.97	-7.58	74	-27.61	100	V
4	7.056	39.4	PK	36	-27.9	47.5	53.97	-6.47	74	-26.5	100	H

PK - Peak detector

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

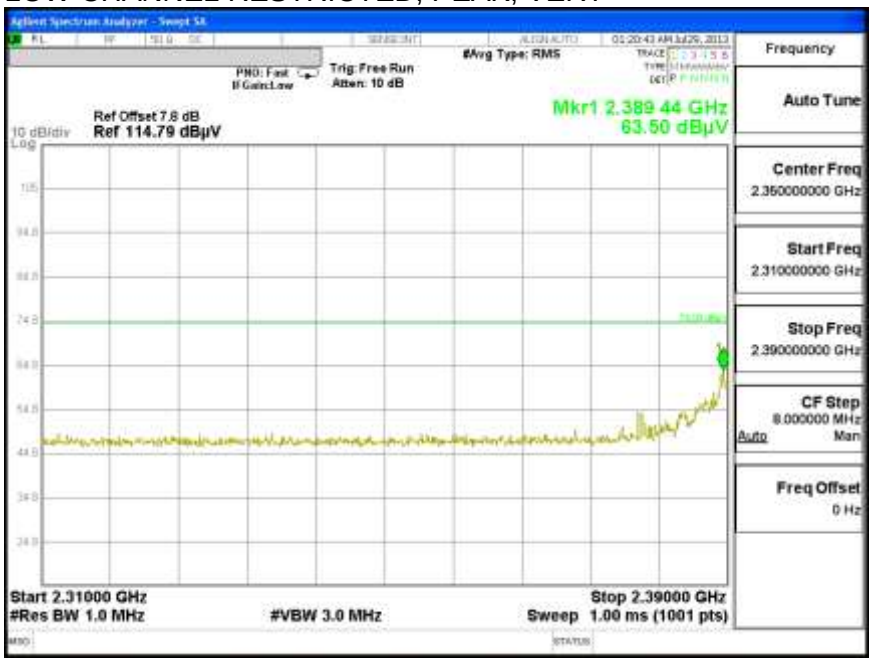
RESTRICTED BANDEDGE (LOW CHANNEL), CH 1

LOW CHANNEL RESTRICTED, PEAK, HORIZ

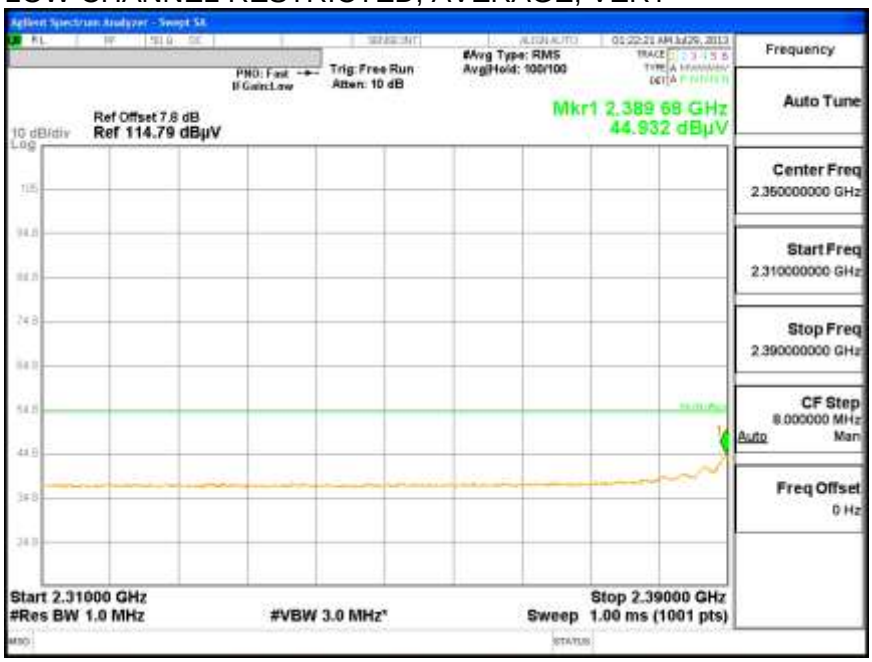


LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

LOW CHANNEL RESTRICTED, PEAK, VERT

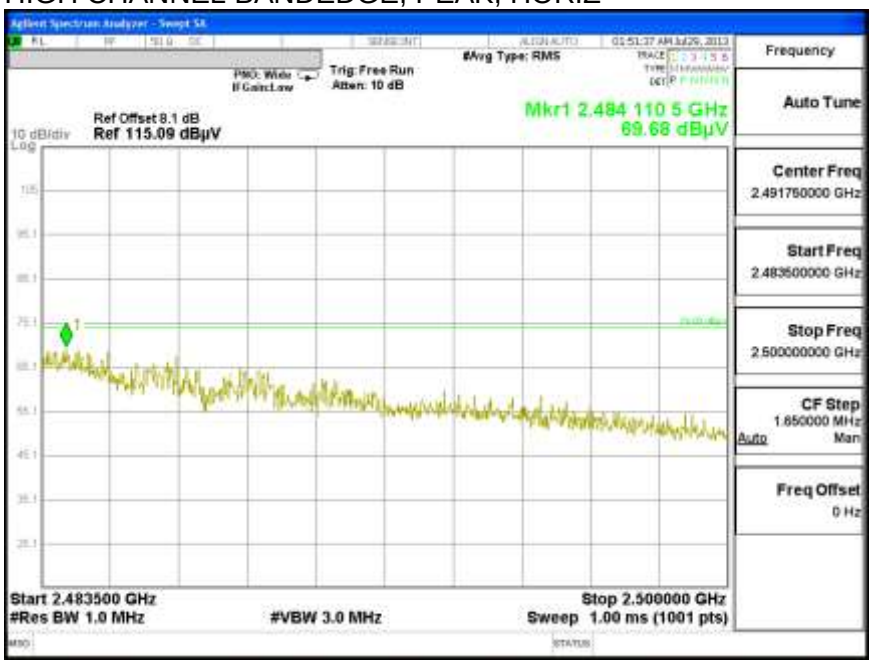


LOW CHANNEL RESTRICTED, AVERAGE, VERT



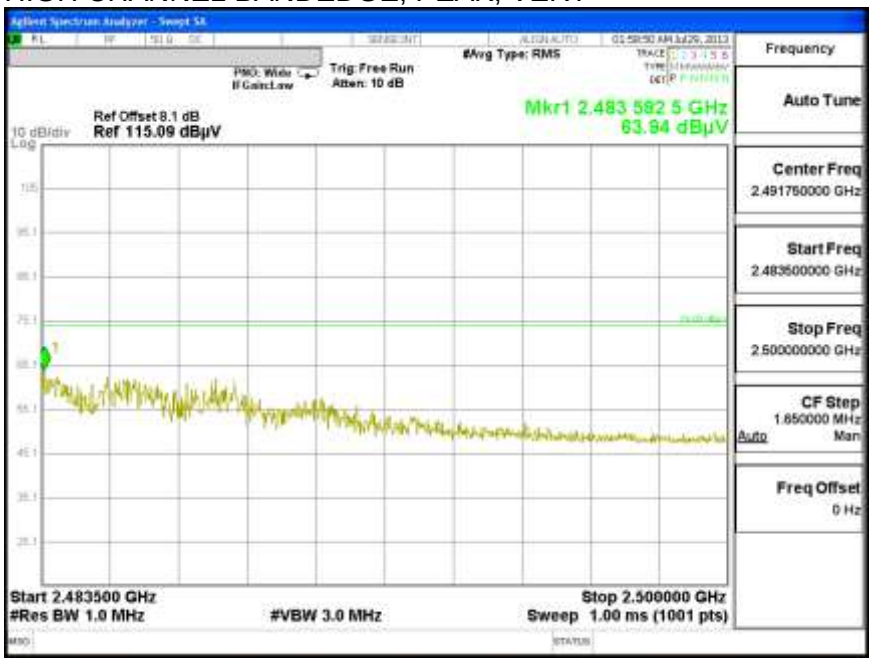
AUTHORIZED BANDEDGE (HIGH CHANNEL), CH 11

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ

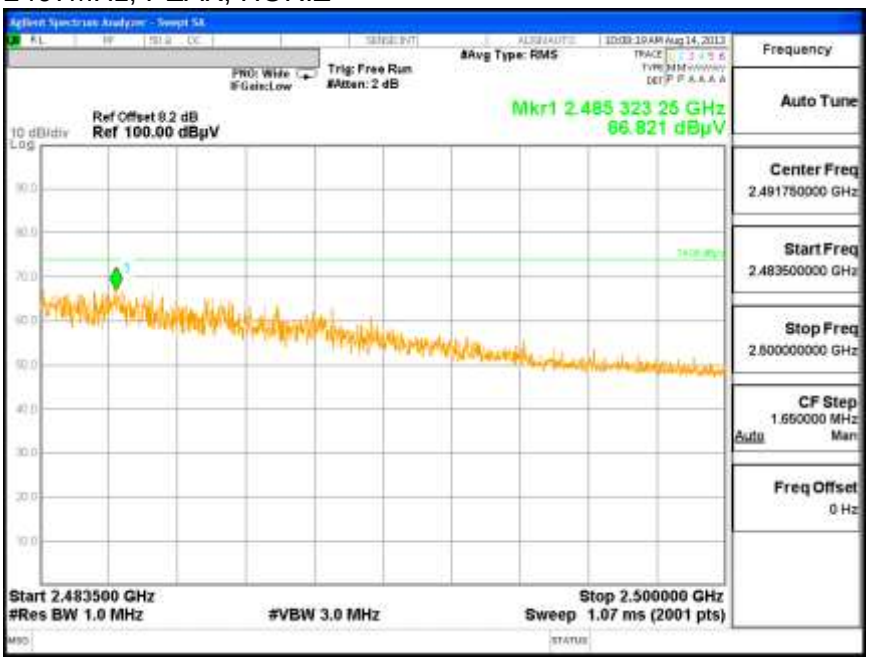
HIGH CHANNEL BANDEDGE, PEAK, VERT



HIGH CHANNEL BANDEDGE, AVERAGE, VERT

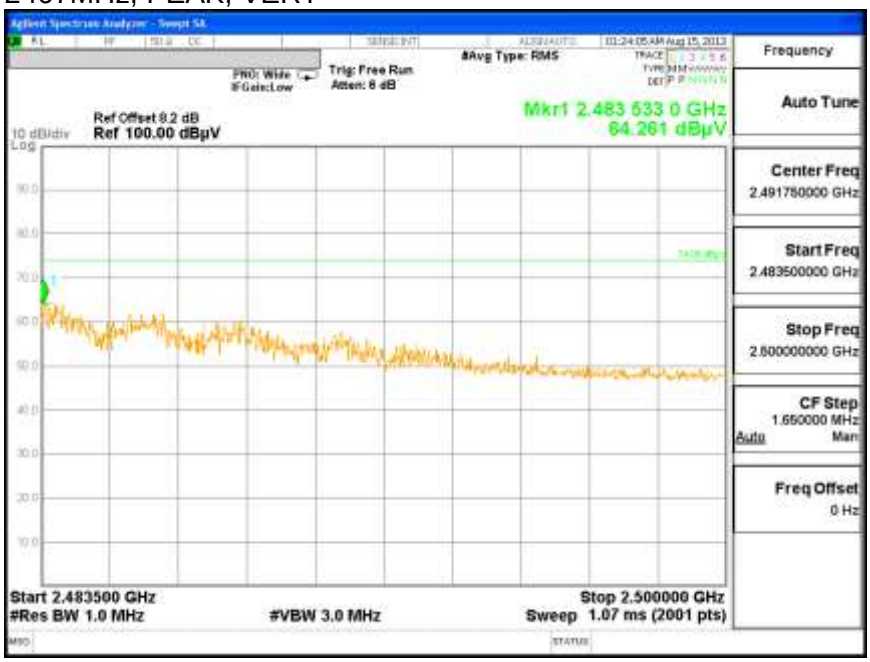
2467MHz BANDEDGE, CH 12

2467MHz, PEAK, HORIZ



2467MHz, AVERAGE, HORIZ

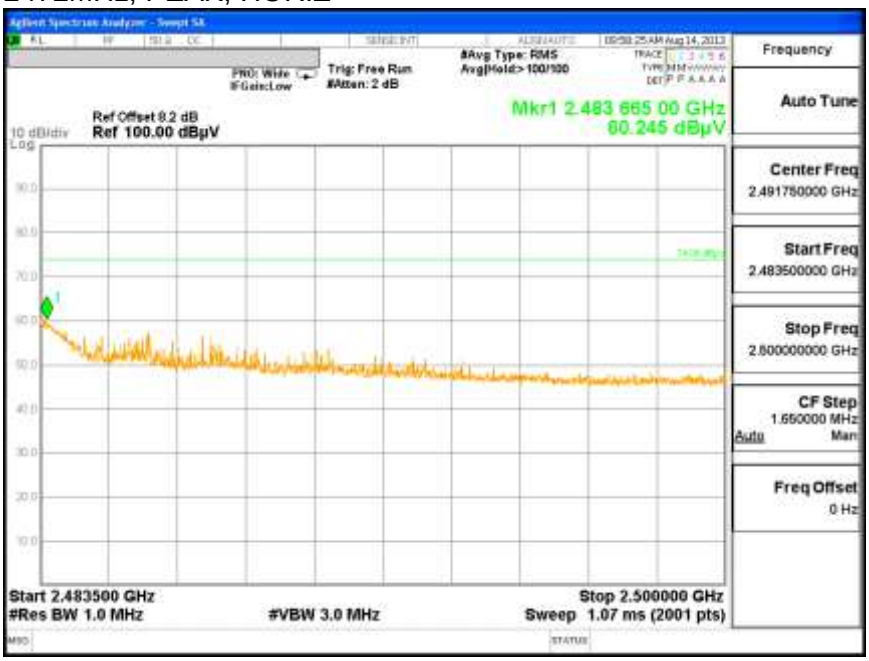
2467MHz, PEAK, VERT



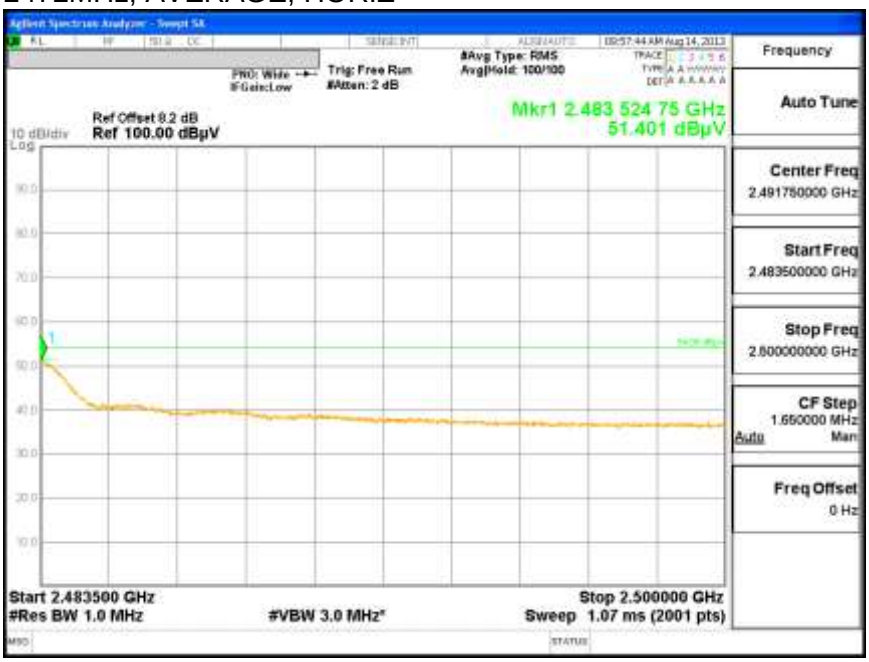
2467MHz, AVERAGE, VERT

2472MHz BANDEDGE, CH 13

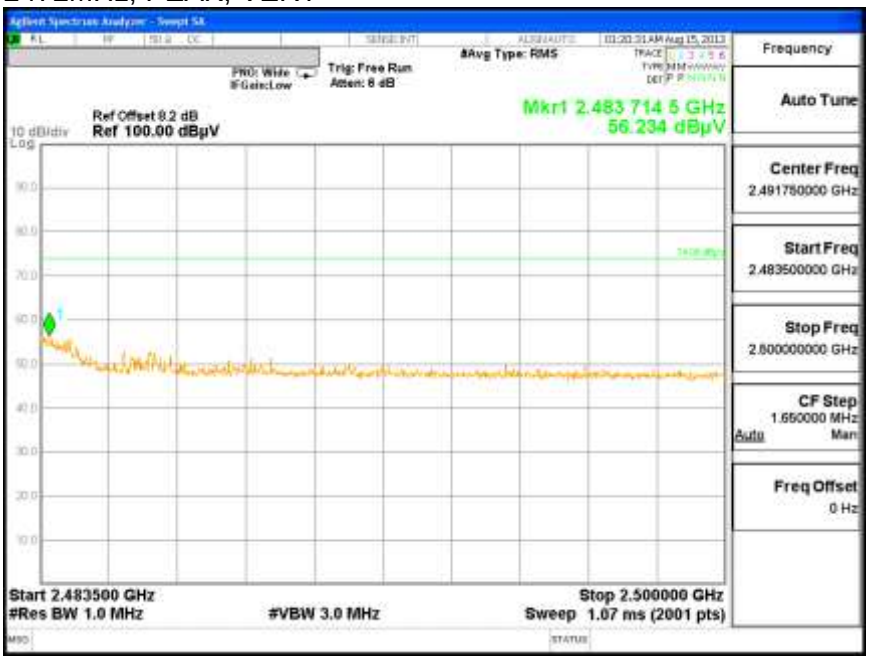
2472MHz, PEAK, HORIZ



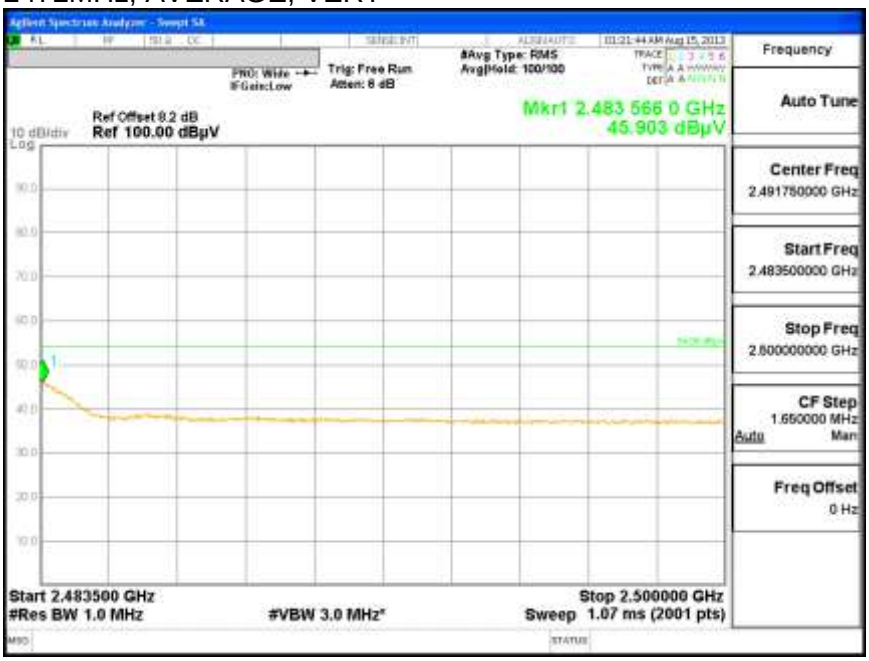
2472MHz, AVERAGE, HORIZ



2472MHz, PEAK, VERT

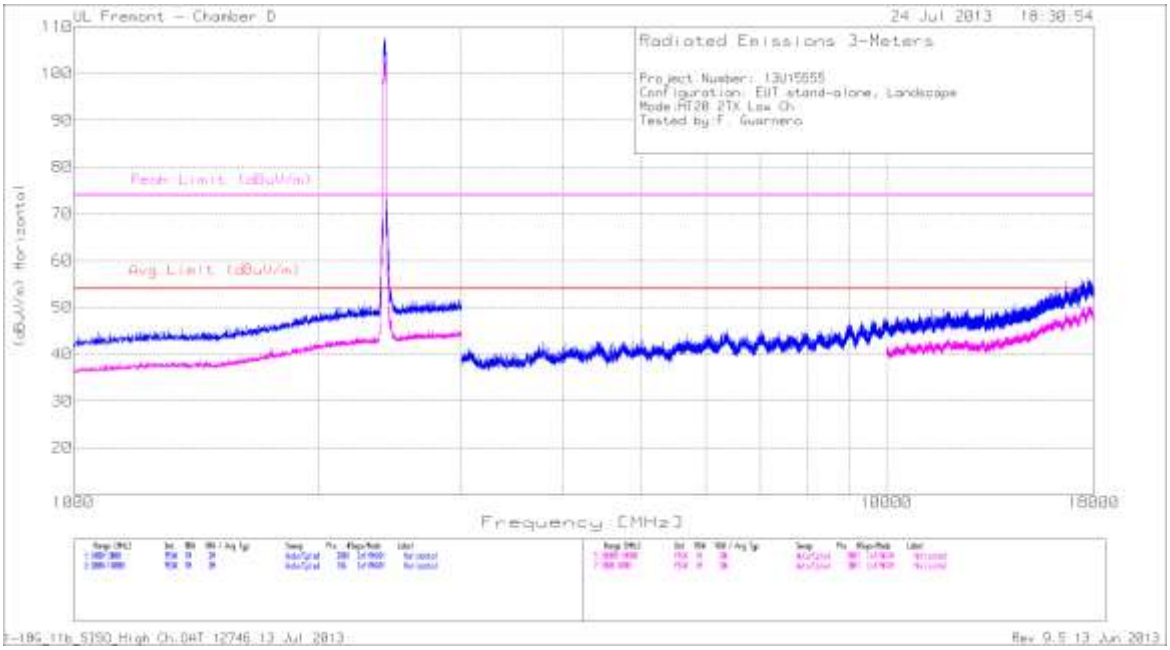


2472MHz, AVERAGE, VERT

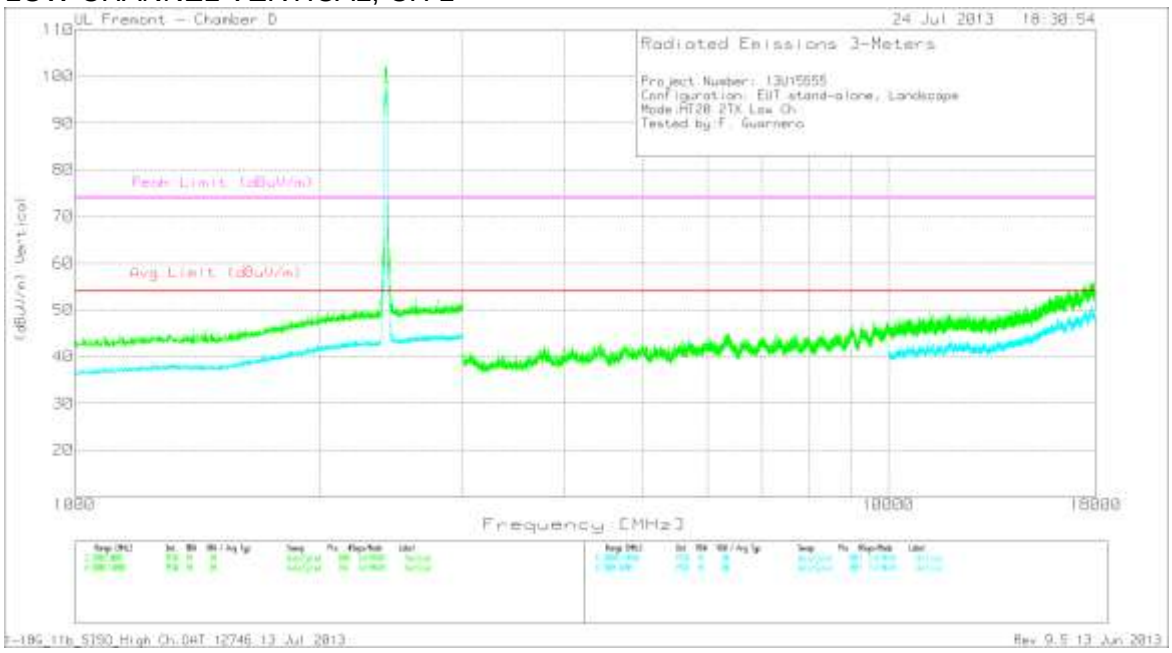


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL, CH 1



LOW CHANNEL VERTICAL, CH 1

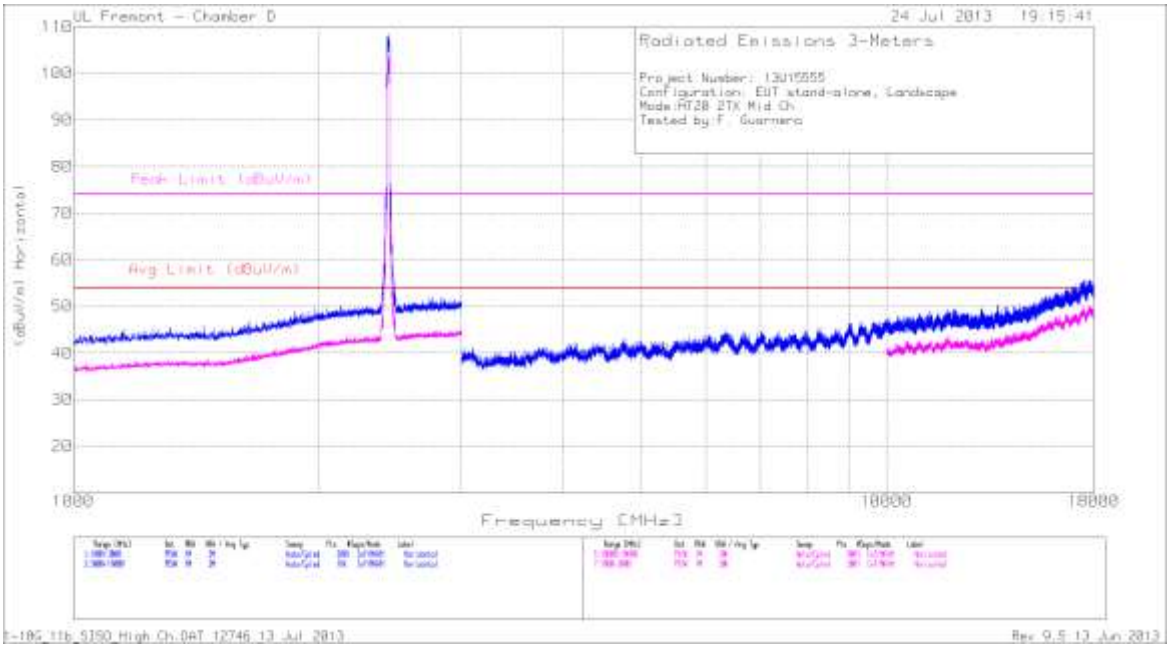


DATA

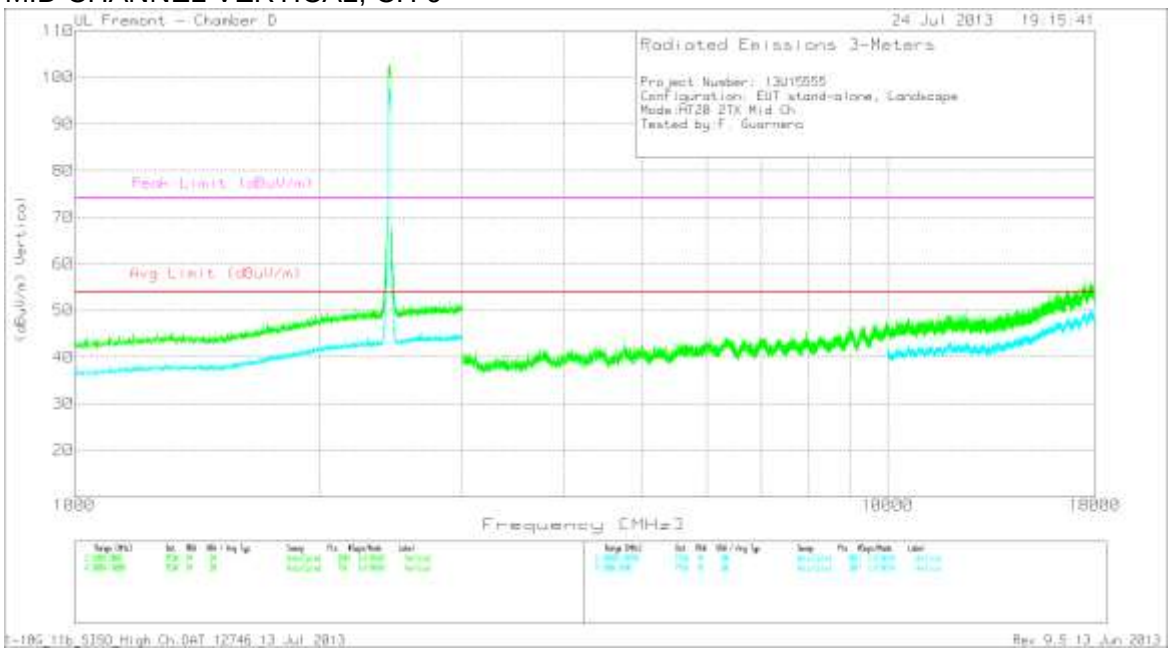
Frequency (GHz)	Meter Reading (dBuV)	Det	T344 Ant Factor [dB/m]	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
6.341	37.75	PK	35.9	-29	44.65	53.97	-9.32	74	-29.35	300	H
9.023	35.79	PK	36.7	-25.8	46.69	53.97	-7.28	74	-27.31	300	V

PK - Peak detector

MID CHANNEL HORIZONTAL, CH 6



MID CHANNEL VERTICAL, CH 6

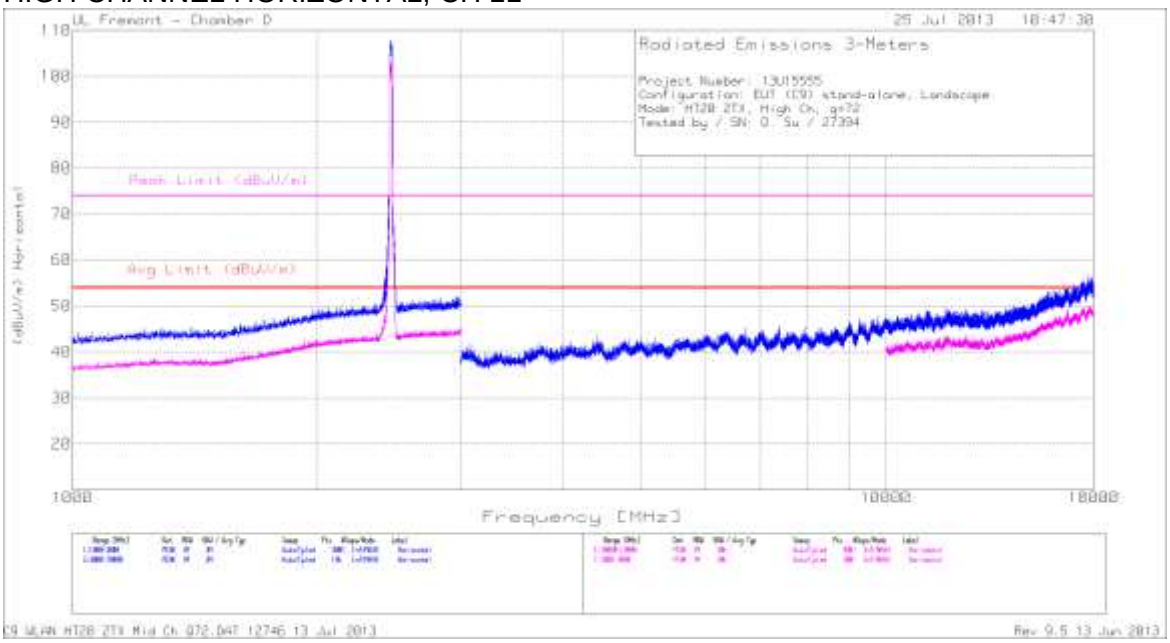


DATA

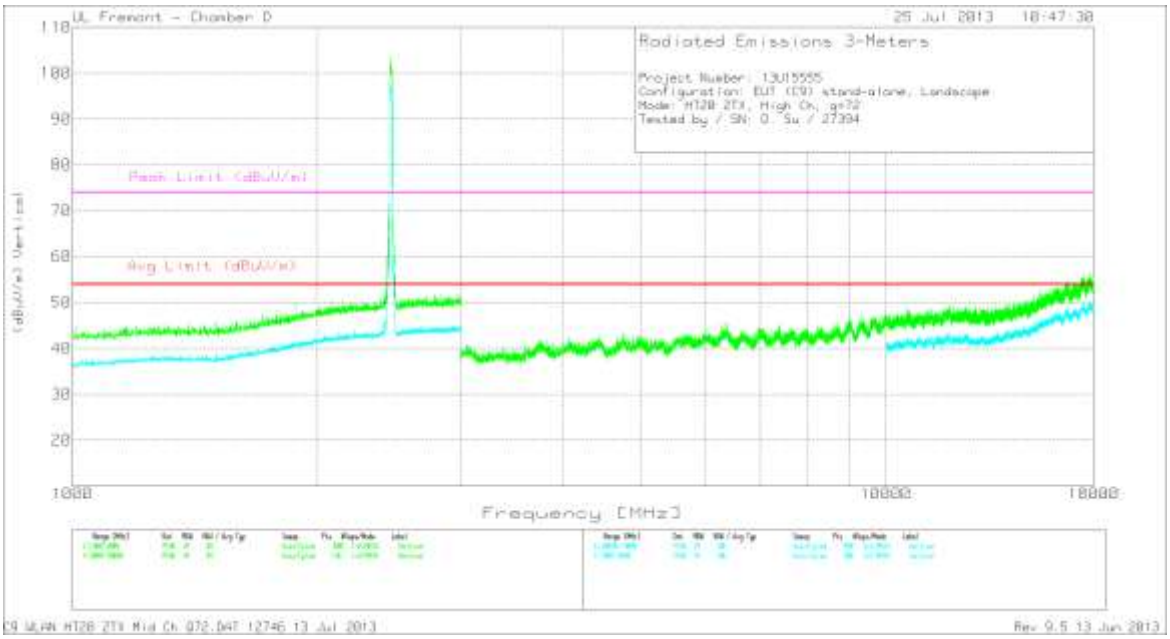
Frequency (GHz)	Meter Reading (dBuV)	Det	T344 Ant Factor [dB/m]	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
6.349	37.69	PK	35.9	-29.1	44.49	53.97	-9.48	74	-29.51	301	H
4.736	40.75	PK	34.4	-31.1	44.05	53.97	-9.92	74	-29.95	100	V

PK - Peak detector

HIGH CHANNEL HORIZONTAL, CH 11



HIGH CHANNEL VERTICAL

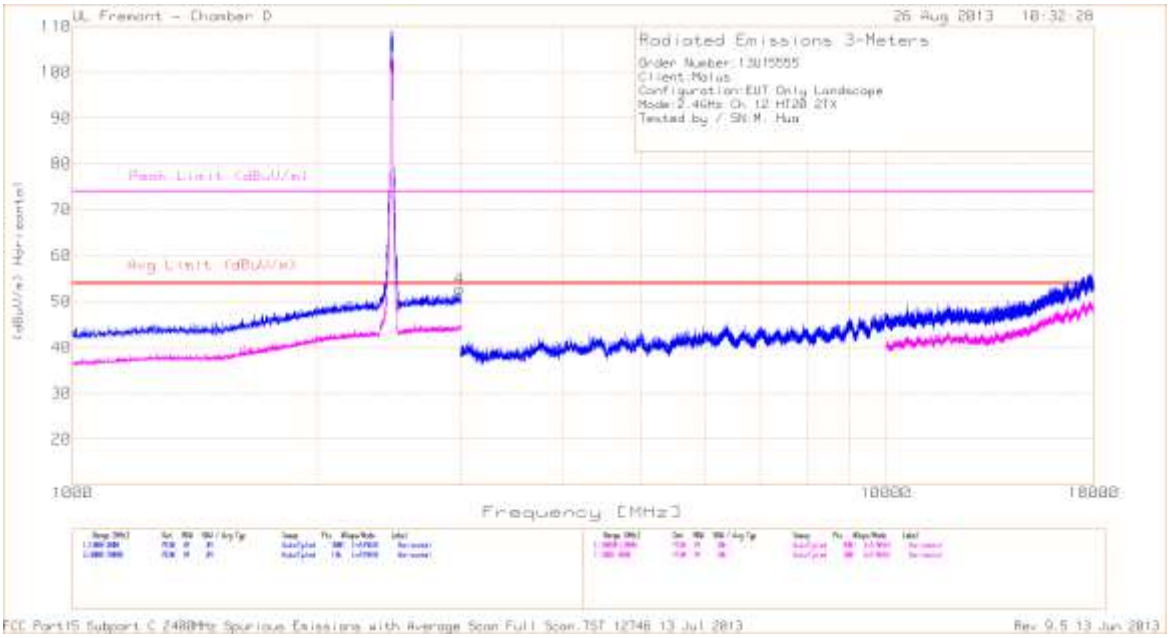


DATA

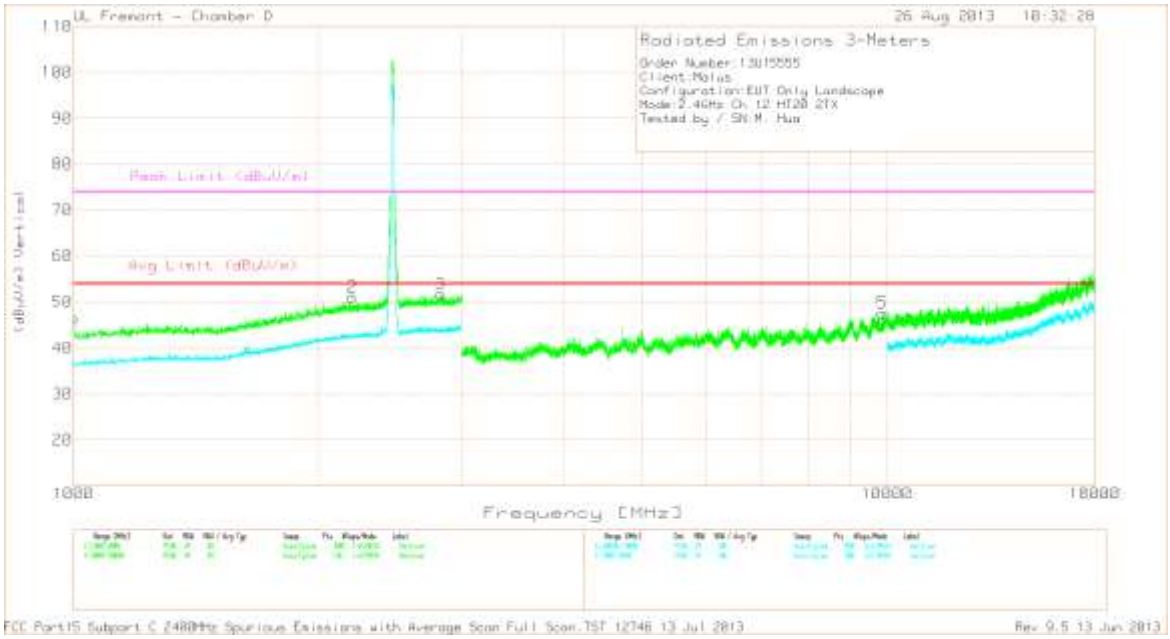
Frequency (GHz)	Meter Reading (dBuV)	Det	T344 Ant Factor [dB/m]	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
9.8	35.1	PK	37.5	-25.9	46.7	53.97	-7.27	74	-27.3	401	H
9.899	35.81	PK	37.7	-25.9	47.61	53.97	-6.36	74	-26.39	201	V

PK - Peak detector

CHANNEL 12 HORIZONTAL



CHANNEL 12 VERTICAL



DATA

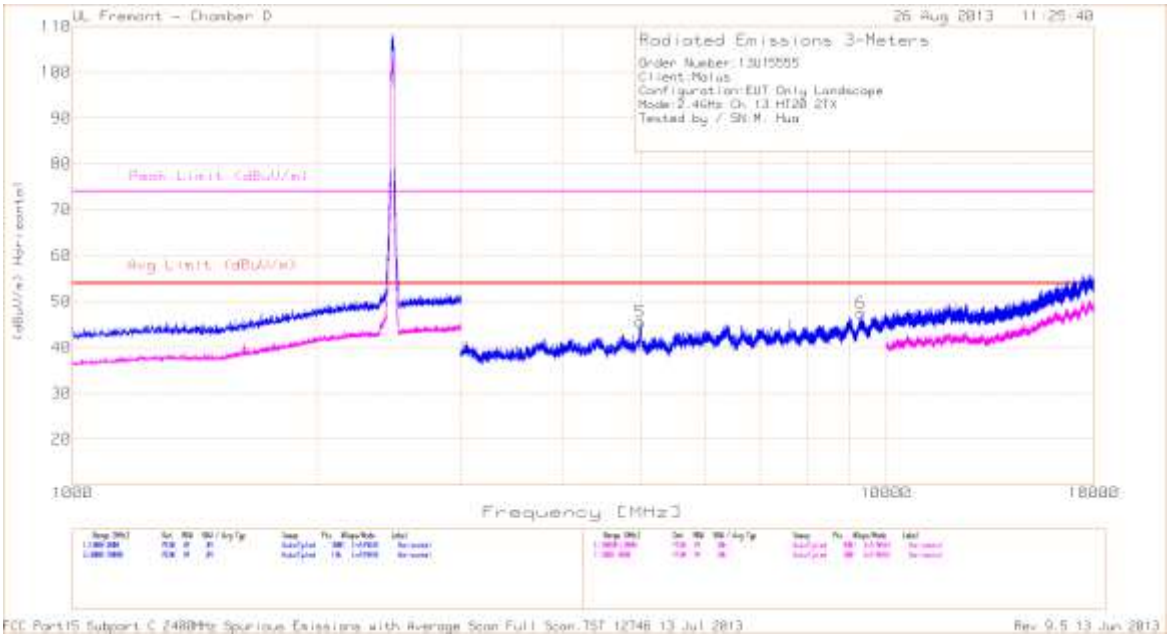
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T344 Ant Factor [dB/m]	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.001	45.01	PK	27.7	-26.2	46.51	53.97	-7.46	74	-27.49	301	V
2	2.201	43.3	PK	32.3	-24.5	51.1	--	--	74	-22.9	301	V
2-1	2.196	30.67	MAv1	32.2	-24.5	38.46	53.97	-15.51	--	--	290	V
3	2.824	42.54	PK	33	-23.8	51.74	--	--	74	-22.26	401	V
3-1	2.827	30.79	MAv1	33	-23.8	39.99	53.97	-13.98	--	--	266	V
*4	2.989	43.28	PK	33.1	-23.7	52.68	--	--	--	--	100	H
5	9.867	35.99	PK	37.6	-26	47.59	53.97	-6.38	74	-26.41	100	V

*Not in Restricted Band

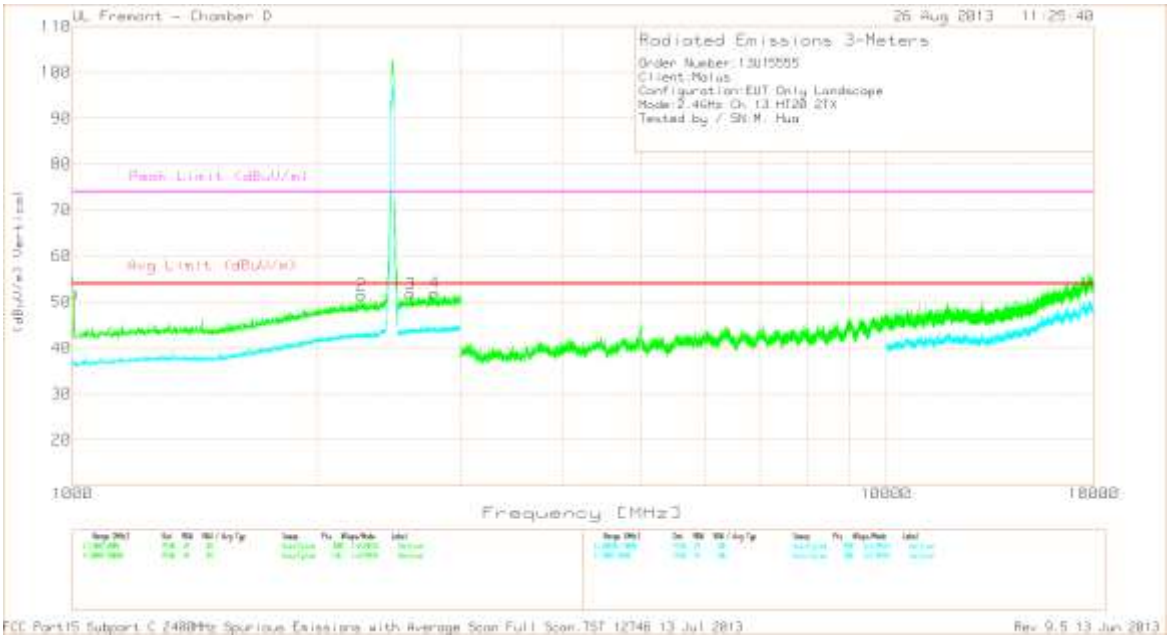
PK - Peak detector
AV – Average detector

MAv1 - KDB558074 v02 10.2.3.2/8.2.1 Option 1 Maximum RMS Average

CHANNEL 13 HORIZONTAL



CHANNEL 13 VERTICAL



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T344 Ant Factor [dB/m]	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	1.004	50.54	PK	27.7	-26.2	52.04	54	-1.96	74	-21.96	100	V
2	2.266	43.56	PK	32.4	-24.4	51.56	54	-2.44	74	-22.44	301	V
*3	2.603	43.14	PK	32.6	-24	51.74	--	--	--	--	301	V
4	2.787	42.98	PK	32.9	-23.9	51.98	-54	-2.02	74	-22.02	401	V
5	4.987	42.33	PK	34.3	-31.1	45.53	53.97	-8.44	74	-28.47	201	H
6	9.314	36.1	PK	37	-25.6	47.5	54.97	-7.47	74	-26.5	301	H

PK - Peak detector

Frequency (GHz)	Meter Reading (dBuV)	Det	T344 Ant Factor [dB/m]	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.002	31.11	MAv1	27.7	-26.2	32.61	53.97	-21.36	74	--	0	389	V
2.267	30.96	MAv1	32.4	-24.5	38.86	53.97	-15.11	74	---	282	354	V
2.784	30.69	MAv1	32.9	-23.9	39.69	53.97	-14.28	74	--	168	185	V

Not in Restricted Band

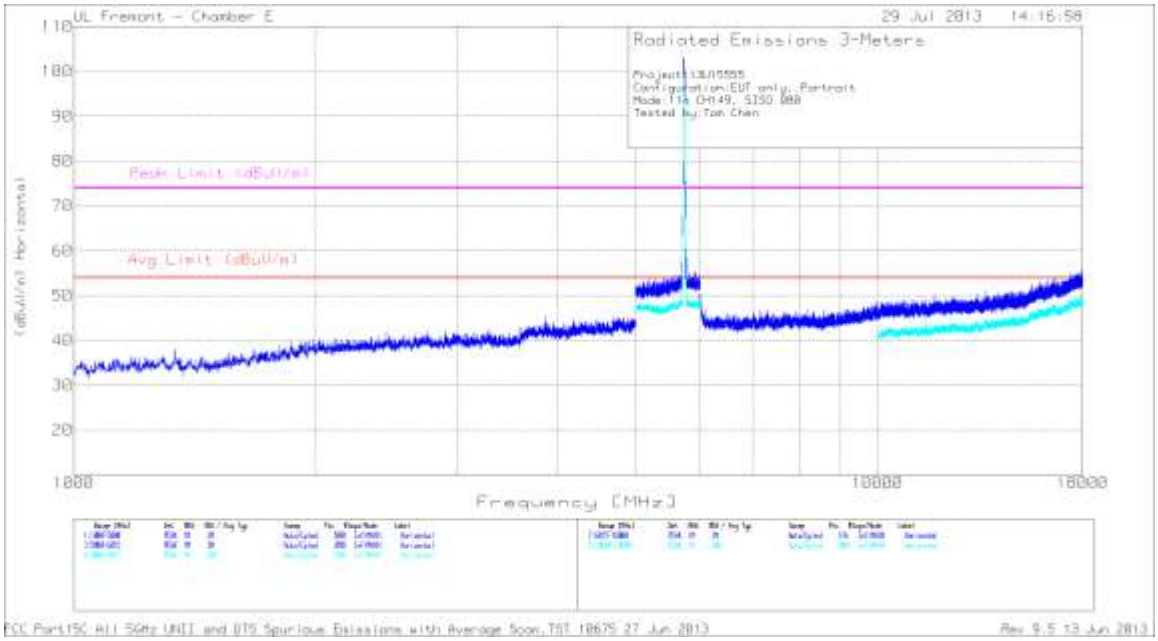
PK - Peak detector

MAv1 - KDB558074 v02 10.2.3.2/8.2.1 Option 1 Maximum RMS Average

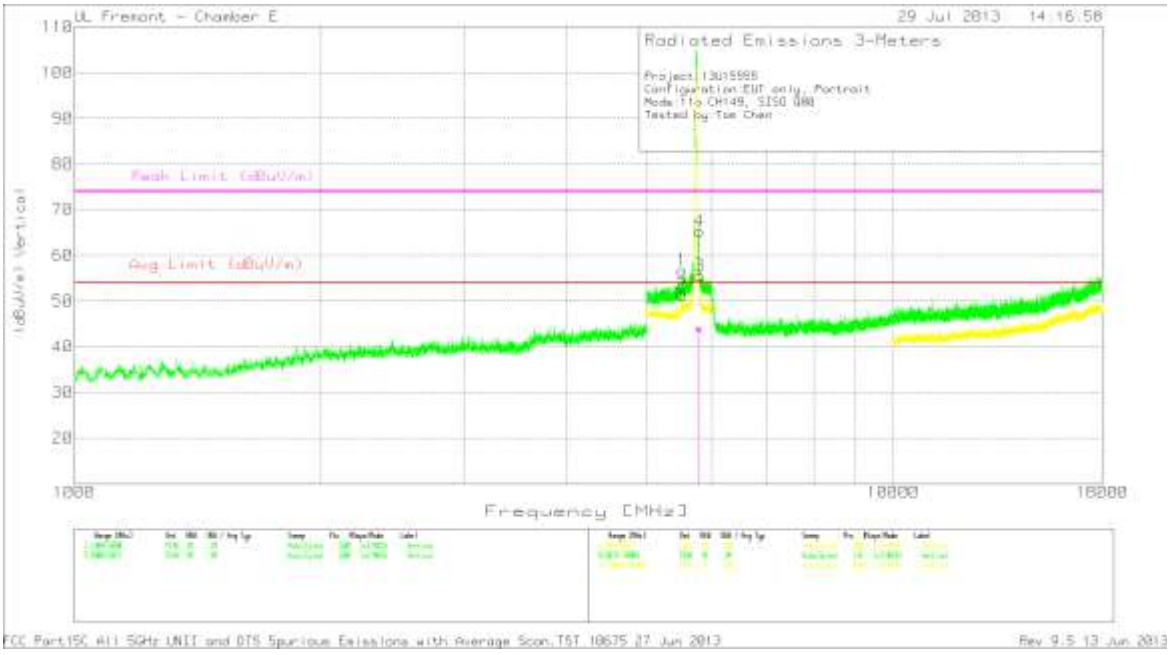
9.2.4. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



DATA

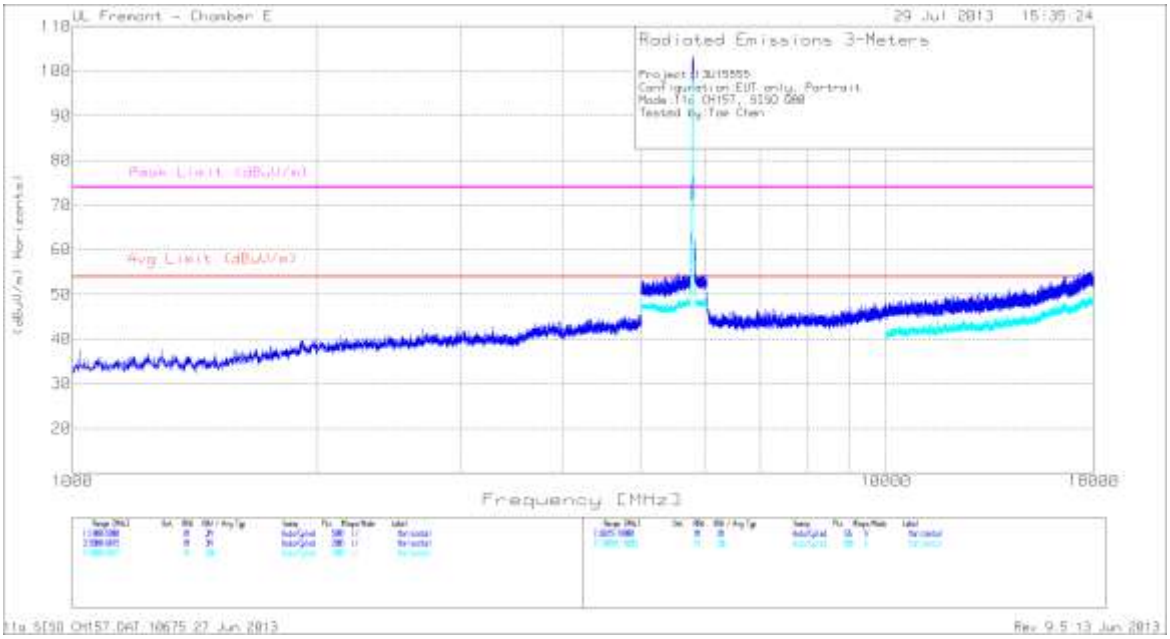
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
*1	5.528	43.24	PK	34.9	-21.4	56.74	--	--	--	--	199	V
*2	5.521	38.12	PK	34.8	-21.5	51.42	--	--	--	--	199	V
**3	5.802	41.65	PK	35.5	-21.6	55.55	--	--	--	--	199	V
**4	5.8	51.44	PK	35.5	-21.7	65.24	--	--	--	--	199	V

*Not in Restricted Band

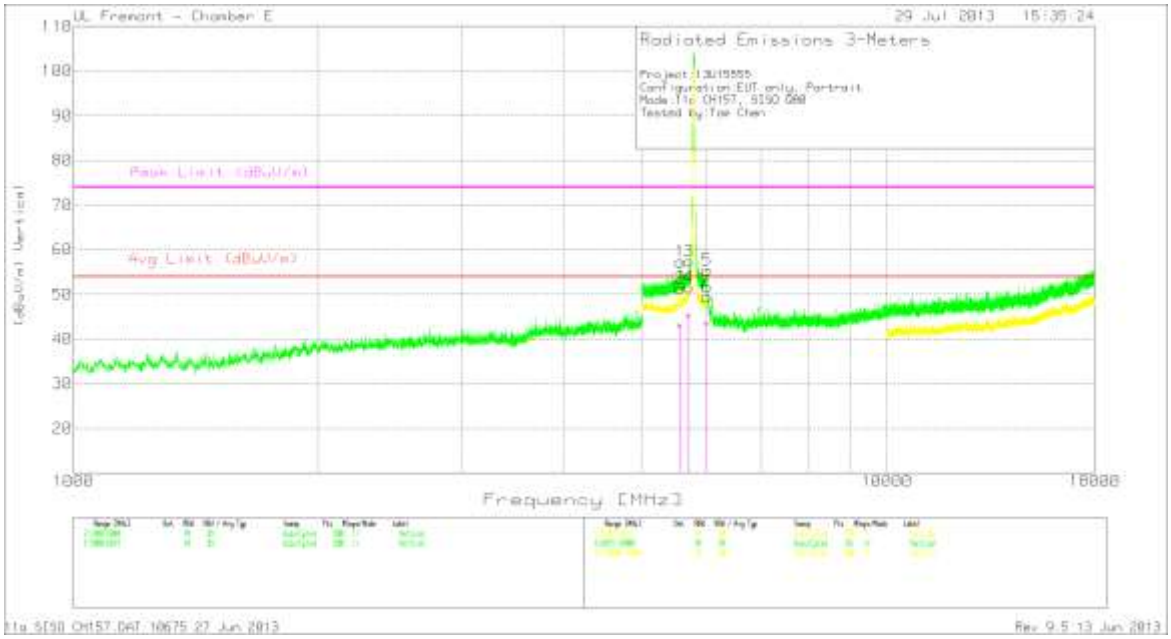
* * In Band Frequency (5745 – 5825 MHz)

PK - Peak detector

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



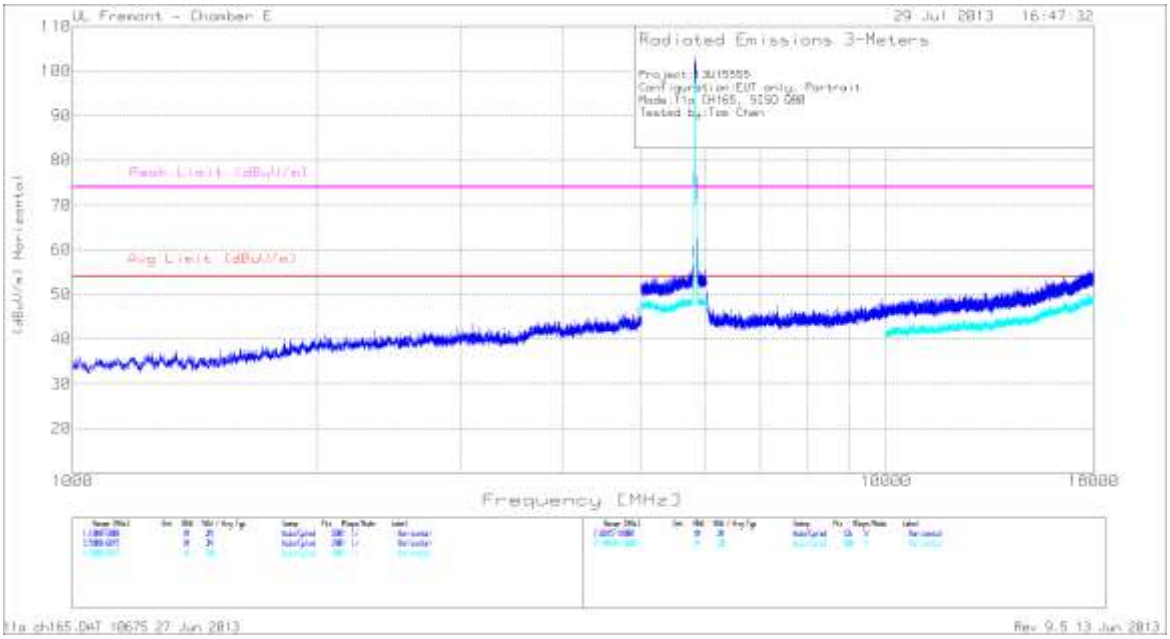
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
*1	5.568	43.74	PK	35	-21.4	57.34	--	--	--	--	199	V
*2	5.567	37.8	PK	35	-21.4	51.4	--	--	--	--	200	V
*3	5.703	43.82	PK	35.3	-21.7	57.42	--	--	--	--	199	V
*4	5.706	37.92	PK	35.3	-21.7	51.52	--	--	--	--	200	V
*5	6.004	40.74	PK	35.8	-21.1	55.44	--	--	--	--	199	V
*6	6.003	34.77	PK	35.8	-21.1	49.47	--	--	--	--	200	V

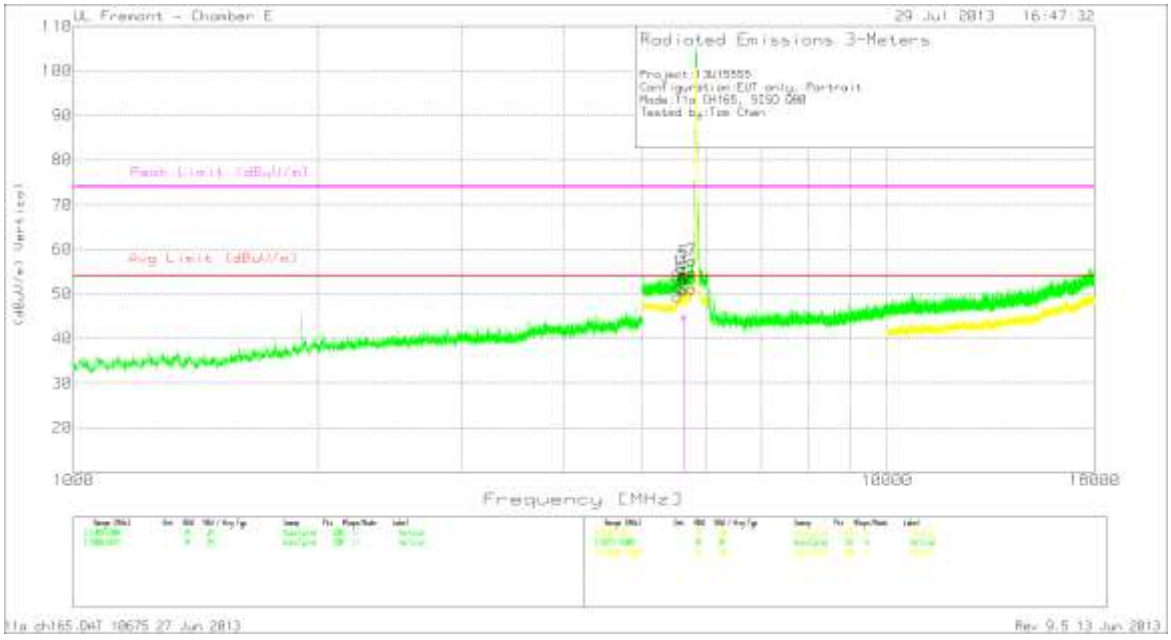
*Not in Restricted Band

PK - Peak detector

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
*1	5.526	41.43	PK	34.9	-21.4	54.93	--	--	--	--	100	V
*2	5.527	36.01	PK	34.9	-21.4	49.51	--	--	--	--	199	V
*3	5.596	42.07	PK	35	-21.3	55.77	--	--	--	--	100	V
*4	5.598	37.3	PK	35	-21.3	51	--	--	--	--	100	V
*5	5.632	43.37	PK	35.1	-21.4	57.07	--	--	--	--	100	V
*6	5.63	37.2	PK	35.1	-21.4	50.9	--	--	--	--	199	V
*7	5.759	43.82	PK	35.4	-21.7	57.52	--	--	--	--	100	V
*8	5.757	37.57	PK	35.4	-21.7	51.27	--	--	--	--	199	V

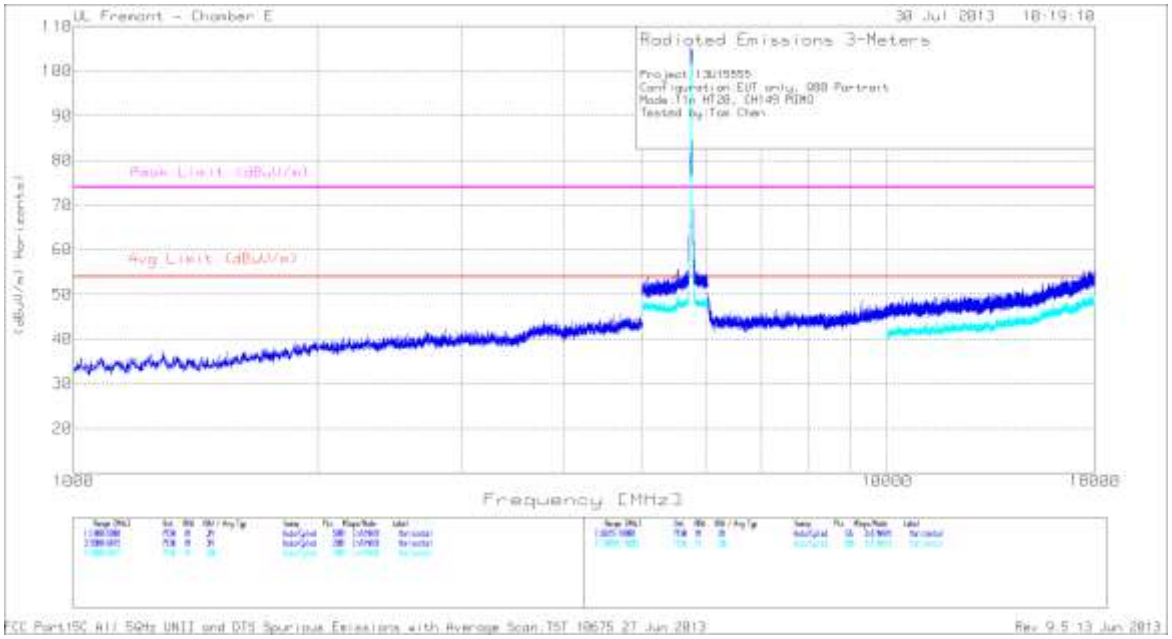
*Not in Restricted Band

PK - Peak detector

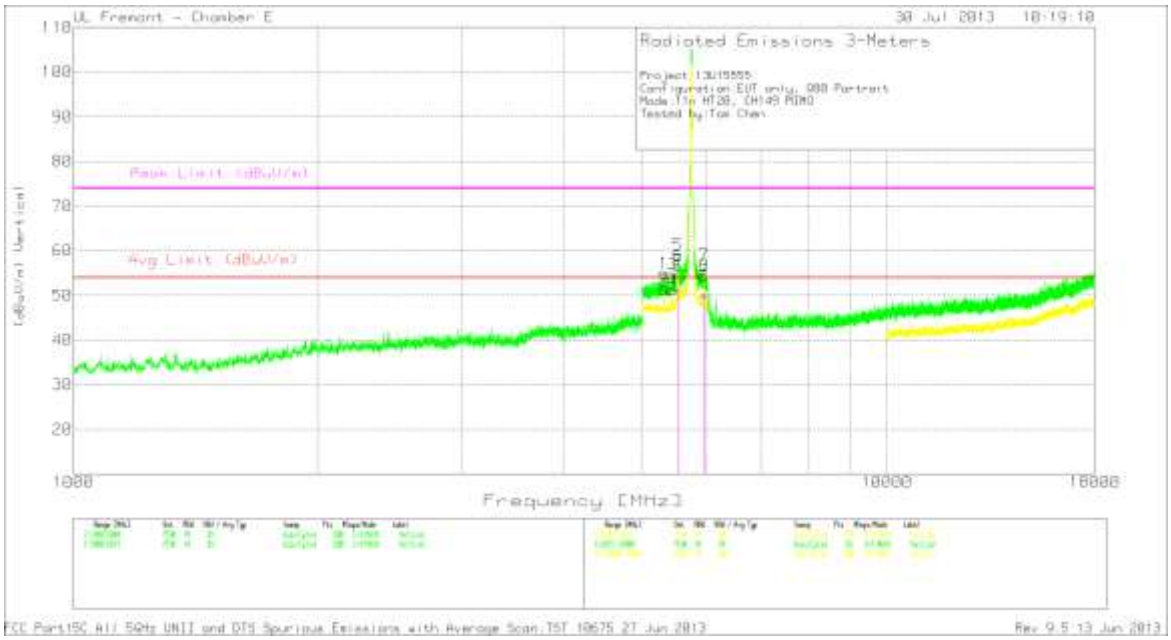
9.2.5. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 5.8 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



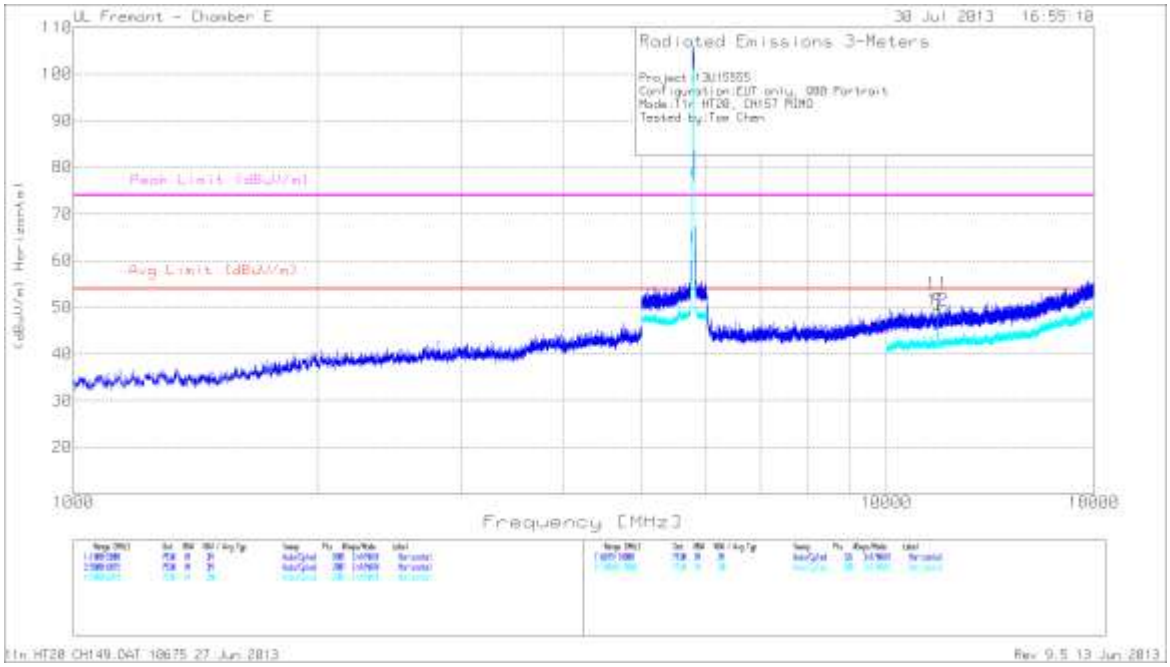
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /10dB Pad (dB)	DC Corr [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
*1	5.321	42.42	PK	34.7	-22.1	0	55.02	--	--	--	--	100	V
*2	5.318	38.4	PK	34.7	-22	0	51.1	--	--	--	--	100	V
3	5.445	41.79	PK	34.8	-21.9	0	54.69	--	--	74	-19.31	199	V
	5.445	37.41	PK (VB)	34.9	-21.4	.1	51.01	54	-2.99	--	--	26	385
*5	5.533	45.54	PK	34.9	-21.4	0	59.04	--	--	--	--	199	V
*7	5.959	41.87	PK	35.7	-20.9	0	56.67	--	--	--	--	100	V
*8	5.958	39.62	PK	35.7	-20.9	0	54.42	--	--	--	--	199	V

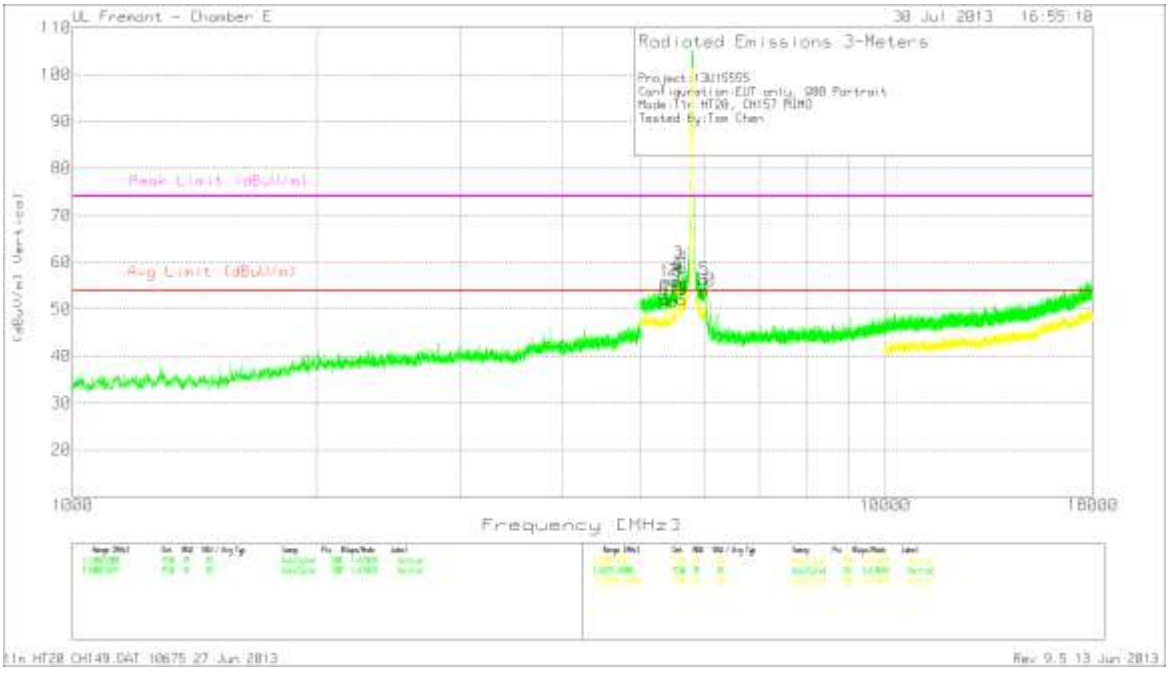
* Not in Restricted Band

PK - Peak detector

MID CHANNEL HORIZONTAL PLOT



MID CHANNEL VERTICAL PLOT



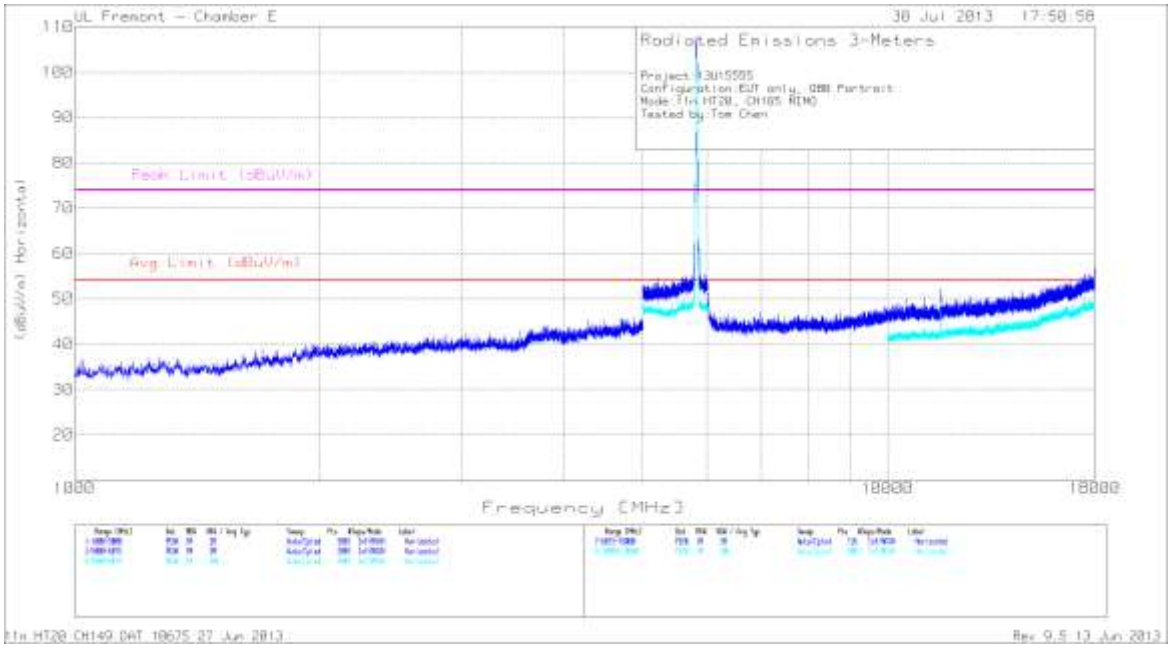
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /10dB Pad (dB)	DC Corr [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	5.357	43.34	PK	34.7	-22.2	0	55.84	--	--	74	-18.16	100	V
	5.357	39.58	PK (VB)	34.7	-22.2	0	52.08	54	-1.92	--	--	100	V
*2	5.487	42.95	PK	34.8	-21.7	0	56.05	--	--	--	--	100	V
*3	5.561	46.3	PK	34.9	-21.3	0	59.9	--	--	--	--	199	V
*4	5.625	45.17	PK	35.1	-21.4	0	58.87	--	--	--	--	100	V
*5	5.995	41.39	PK	35.8	-20.9	0	56.29	--	--	--	--	100	V
*7	5.486	38.67	PK	34.8	-21.7	0	51.77	--	--	--	--	199	V
*8	5.563	42.23	PK	35	-21.3	0	55.93	--	--	--	--	100	V
*9	5.624	38.42	PK	35.1	-21.5	0	52.02	--	--	--	--	100	V
*10	5.999	39.18	PK	35.8	-21	0	53.98	--	--	--	--	100	V
11	11.565	39.78	PK	38.7	-25.7	0	52.78	--	--	74	-21.22	199	H
	11.569	36.28	PK (VB)	38.7	-25.7	0	49.28	54	-4.72	--	--	199	H

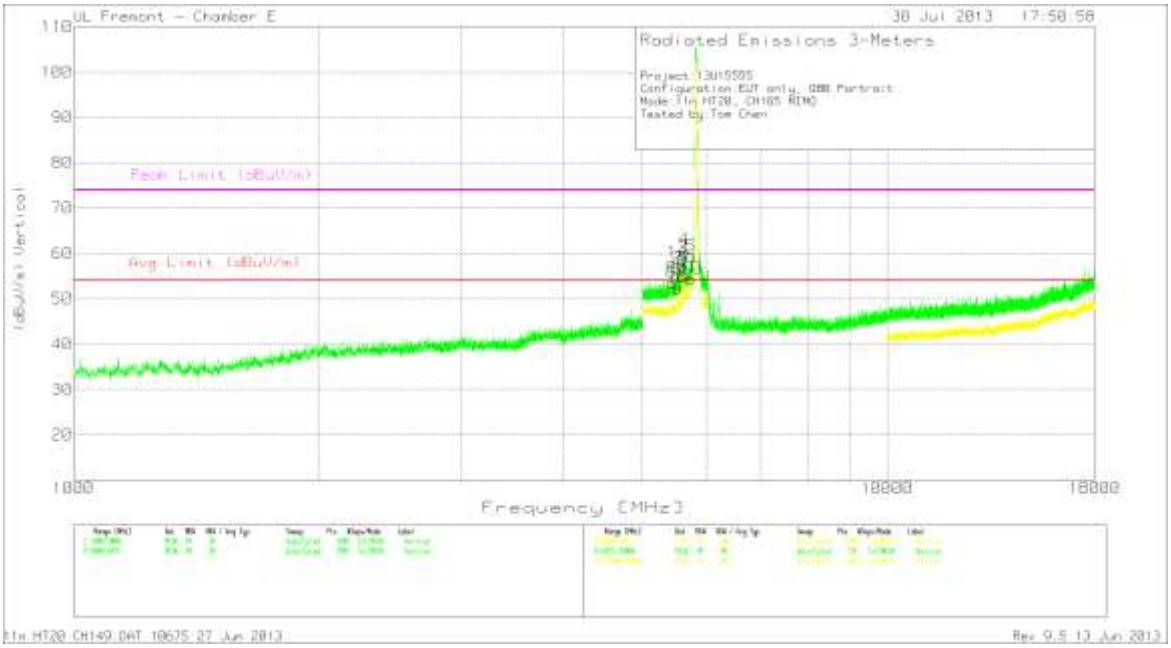
* Not in Restricted Band

PK - Peak detector

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /10dB Pad (dB)	DC Corr [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	5.437	45.21	PK	34.8	-22	0	58.01	-	-	74	-15.99	100	V
	5.437	38.11	PK (VB)	34.8	-22	0	50.91	54	-3.09	--	--	100	V
*2	5.527	43.18	PK	34.9	-21.4	0	56.68	--	-	--	--	100	V
*3	5.6	45.36	PK	35	-21.3	0	59.06	--	-	--	--	199	V
*4	5.632	47.15	PK	35.1	-21.4	0	60.85	--	-	--	--	199	V
*5	5.743	45.83	PK	35.4	-21.8	0	59.43	--	-	--	--	199	V
*7	5.526	38.64	PK	34.9	-21.4	0	52.14	--	-	--	--	199	V
*8	5.599	41.15	PK	35	-21.3	0	54.85	--	-	--	--	199	V
*9	5.631	43.09	PK	35.1	-21.4	0	56.79	--	-	--	--	199	V
*10	5.744	40.86	PK	35.4	-21.8	0	54.46	--	-	--	--	100	V

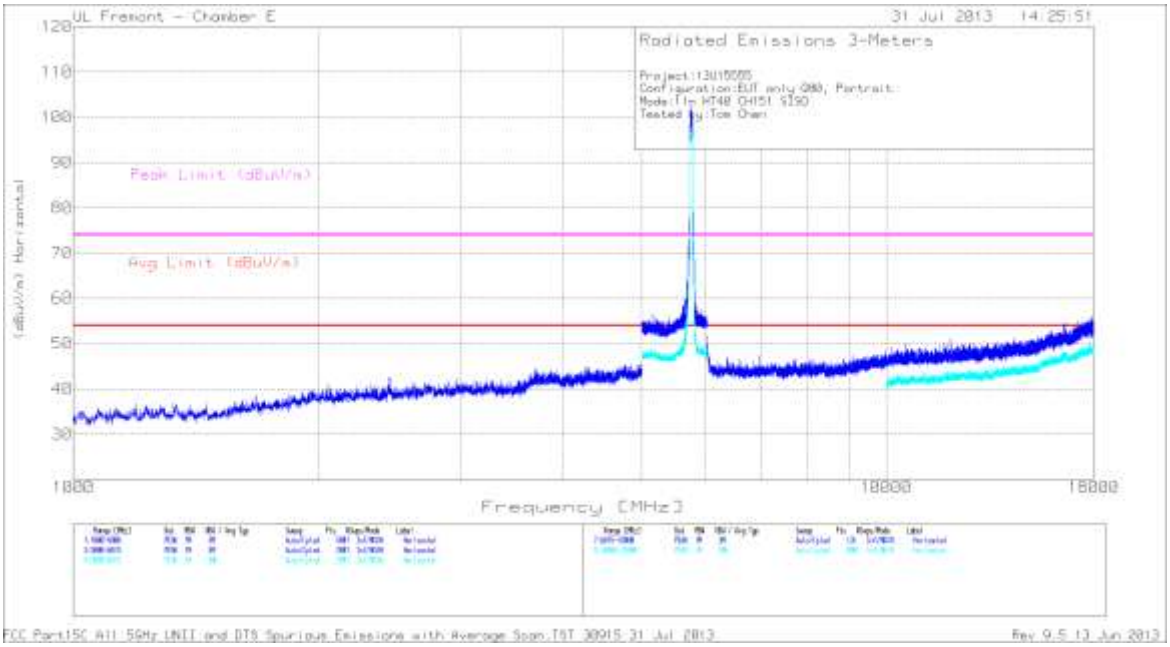
*Not in Restricted Band

PK - Peak detector

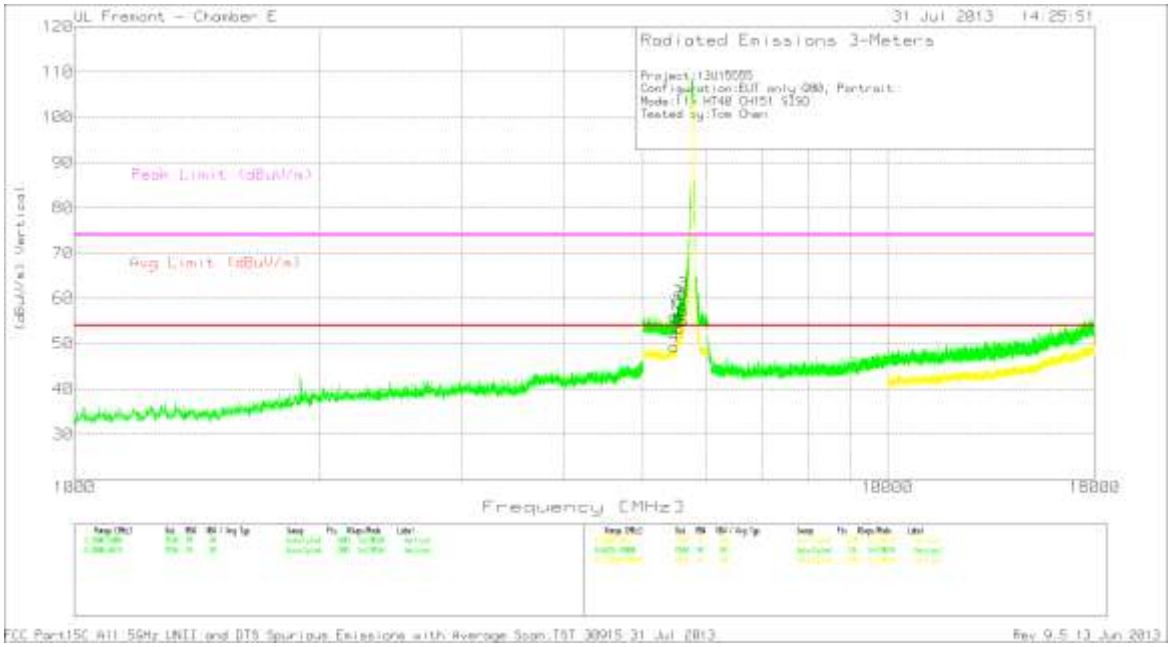
9.2.6. TX ABOVE 1 GHz 802.11n HT40 1TX MODE IN THE 5.8 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



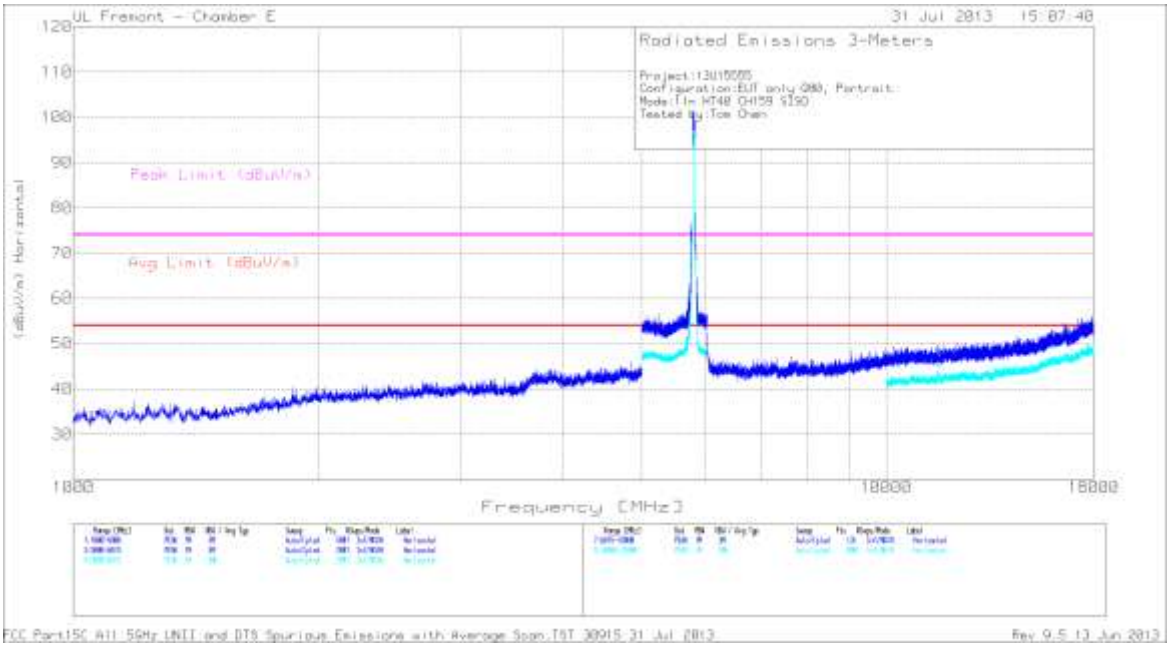
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /10dB Pad (dB)	DC Corr [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
*1	5.467	43.13	PK	34.8	-21.8	0	56.13	--	--	--	--	100	V
*2	5.538	45.76	PK	34.9	-21.4	0	59.26	--	--	--	--	199	V
*3	5.606	47.36	PK	35.1	-21.4	0	61.06	--	--	--	--	100	V
*4	5.47	36.15	PK	34.8	-21.7	0	49.25	--	--	--	--	100	V
*5	5.541	39.66	PK	34.9	-21.4	0	53.16	--	--	--	--	199	V
*6	5.6	41.27	PK	35	-21.3	0	54.97	--	--	--	--	199	V

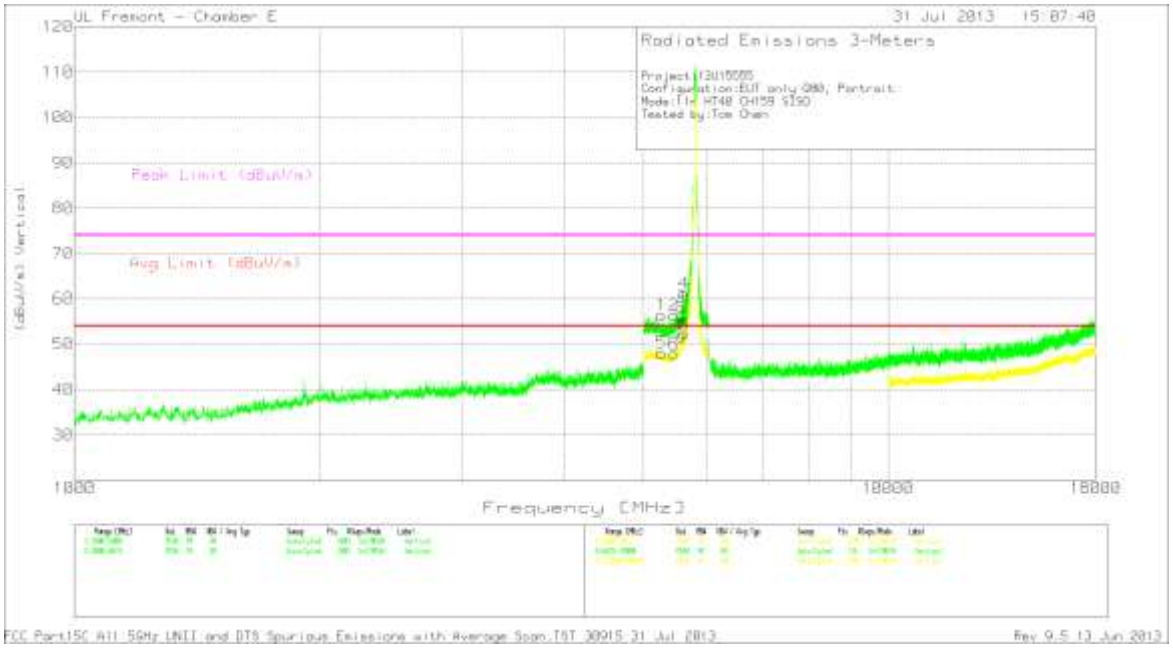
*Not in Restricted Band

PK - Peak detector

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Trace Markers

DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /10dB Pad (dB)	DC Corr [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
*1	5.267	43.41	PK	34.7	-21.7	0	56.41	--	--	--	--	100	V
2	5.456	43.32	PK	34.8	-21.8	0	56.32	-	-	74	-17.68	100	V
6	5.453	34.79	PK (VB)	34.8	-21.8	0	47.79	54	-6.21			100	V
*3	5.566	44.5	PK	35	-21.4	0	58.1	--	--	--	--	199	V
*4	5.611	47.49	PK	35.1	-21.5	0	61.09	--	--	--	--	199	V
*5	5.265	35.03	PK	34.7	-21.7	0	48.03	--	--	--	--	199	V
*7	5.567	38.15	PK	35	-21.4	0	51.75	--	--	--	--	199	V
*8	5.61	38.62	PK	35.1	-21.5	0	52.22	--	--	--	--	199	V

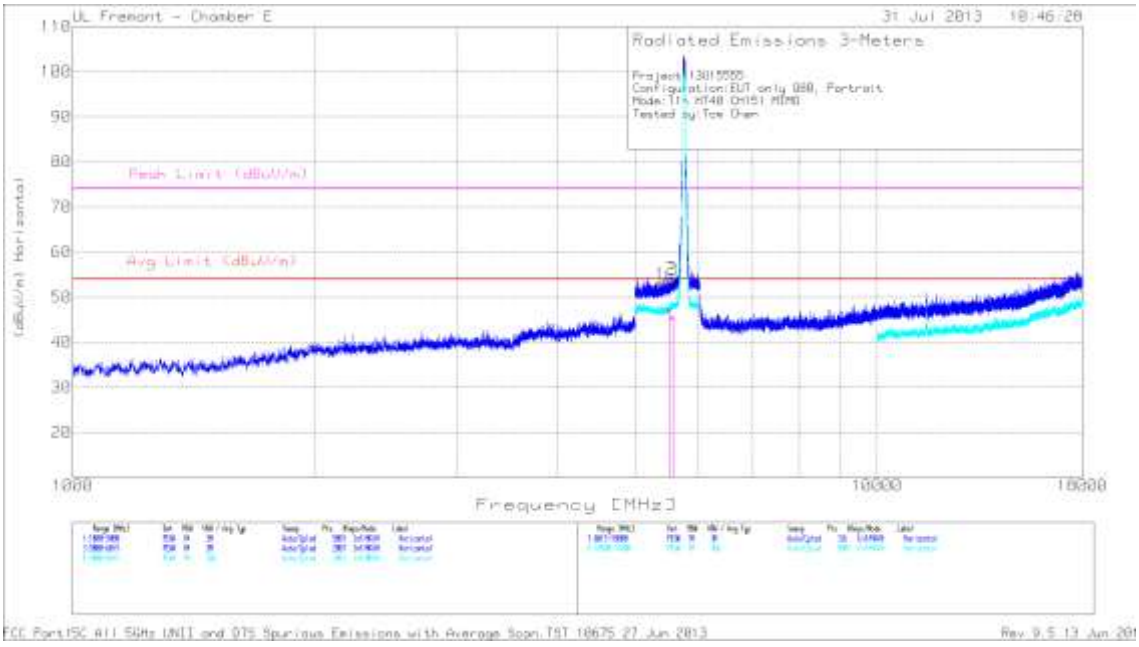
*Not in Restricted Band

PK - Peak detector

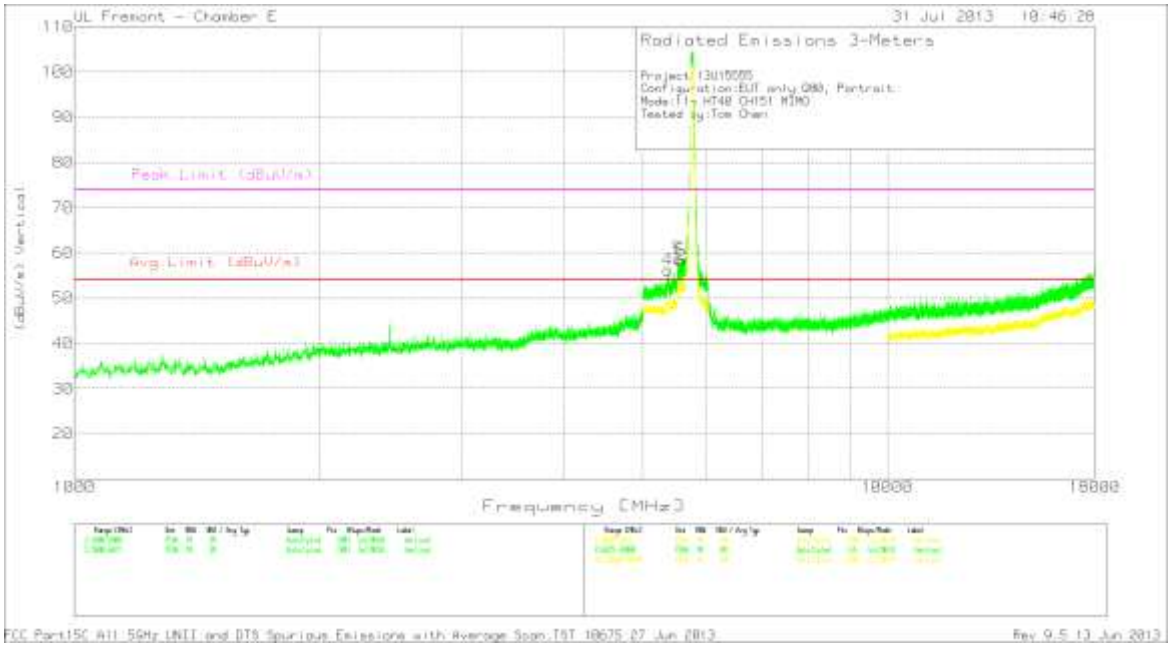
9.2.7. TX ABOVE 1 GHz 802.11n HT40 2TX CDD MODE IN THE 5.8 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



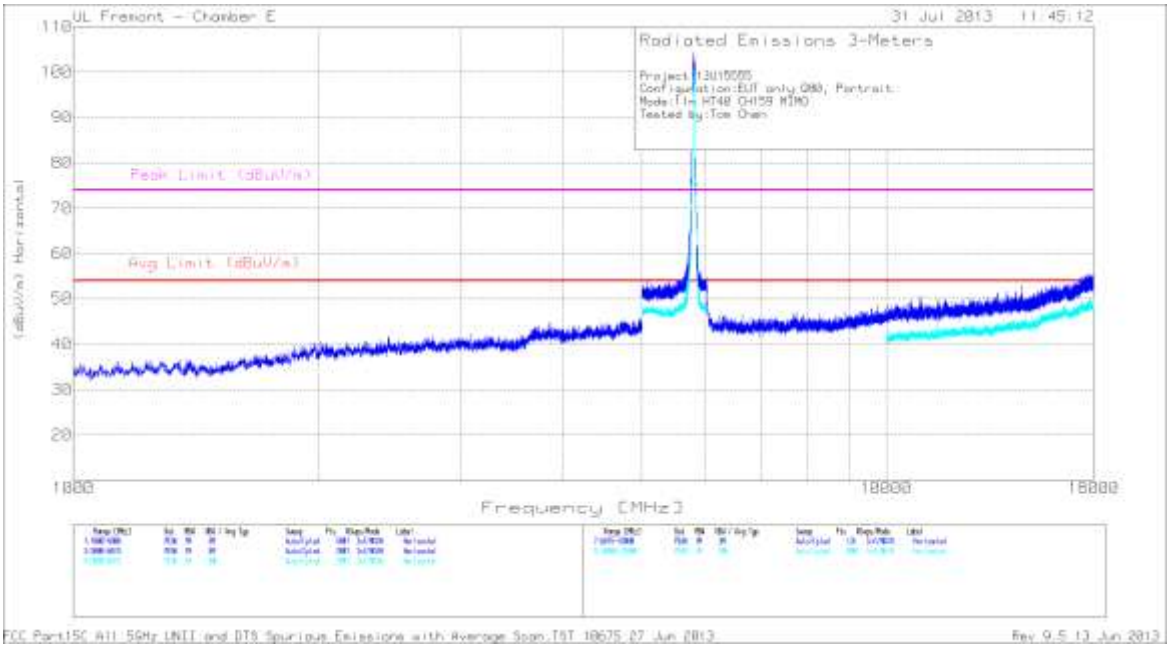
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /10dB Pad (dB)	DC Corr [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
1	5.374	40.28	PK	34.7	-22.1	0	52.88	--	--	74	-21.12	100	H
	5.374	33.38	PK (VB)	34.9	-21.4	0	46.98	53.97	-6.99	--	--	100	H
*2	5.535	40.57	PK	34.9	-21.4	0	54.07	--	--	--	--	199	H
*3	5.574	40.31	PK	35	-21.4	0	53.91	--	--	--	--	199	H
4	5.372	43.76	PK	34.7	-22.2	0	56.26	--	--	74	-17.74	100	V
	5.372	31.66	PK (VB)	35	-21.4	0	45.36	53.97	-8.61	--	--	100	V
*5	5.535	45.11	PK	34.9	-21.4	0	58.61	--	--	--	--	100	V
*6	5.574	44.78	PK	35	-21.4	0	58.38	--	--	--	--	200	V

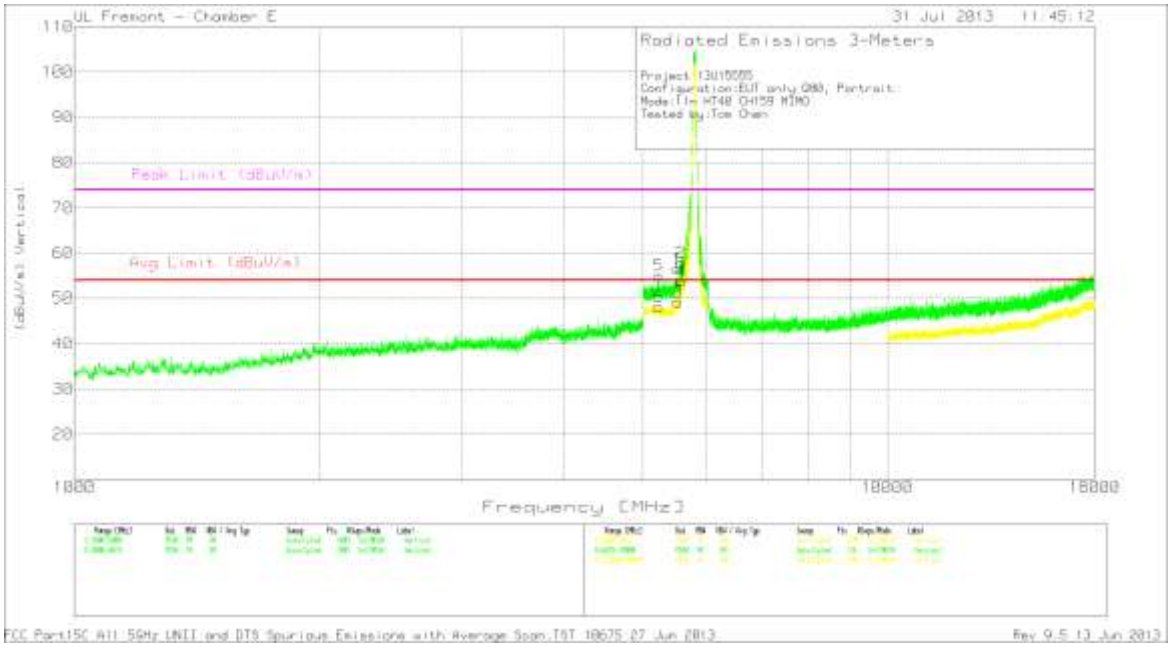
*Not in Restricted Band

PK - Peak detector

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Trace Markers

DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /10dB Pad (dB)	DC Corr [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarity
*1	5.522	43.06	PK	34.9	-21.5	0	56.46	--	--	--	--	200	V
*2	5.576	44.2	PK	35	-21.4	0	57.8	--	--	--	--	200	V
*5	5.233	41.81	PK	34.7	-21.5	0	55.01	--	--	--	--	200	V
*3	5.524	35.76	PK	34.9	-21.5	0	49.16	--	--	--	--	199	V
*4	5.576	40.23	PK	35	-21.4	0	53.83	--	--	--	--	199	V
*6	5.232	34.94	PK	34.7	-21.5	0	48.14	--	--	--	--	199	V

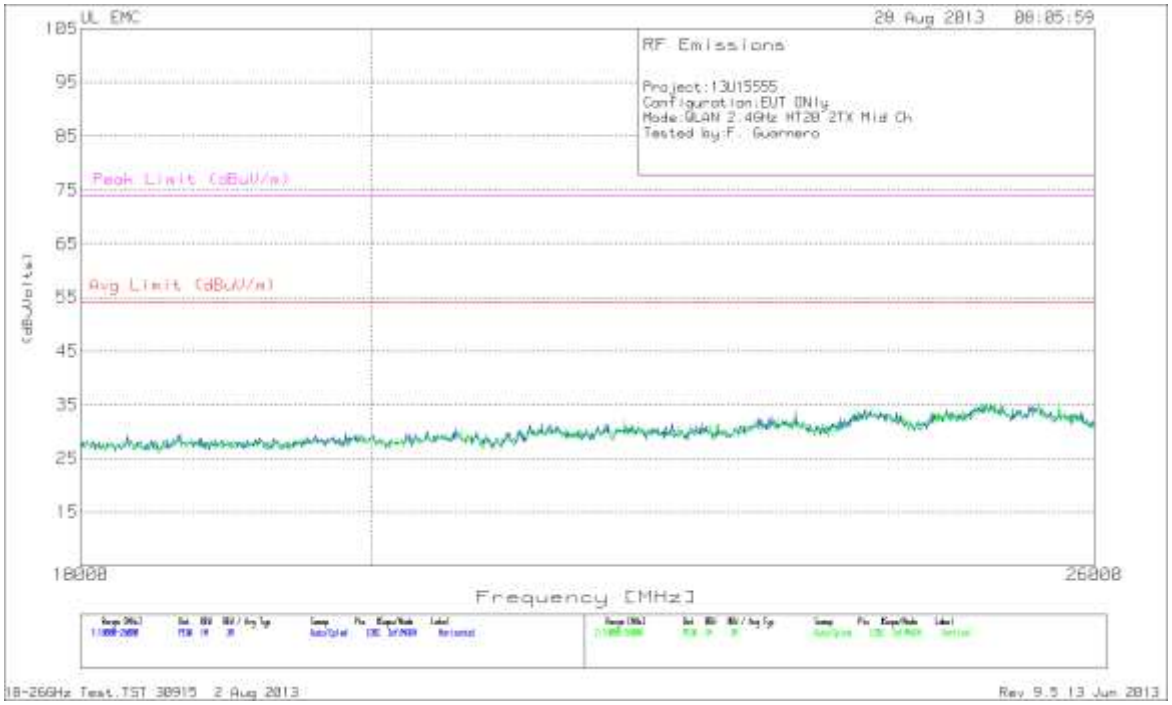
*Not in Restricted Band

PK - Peak detector

9.3. WORST-CASE ABOVE 18 GHz

SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)

2.4 GHz BAND

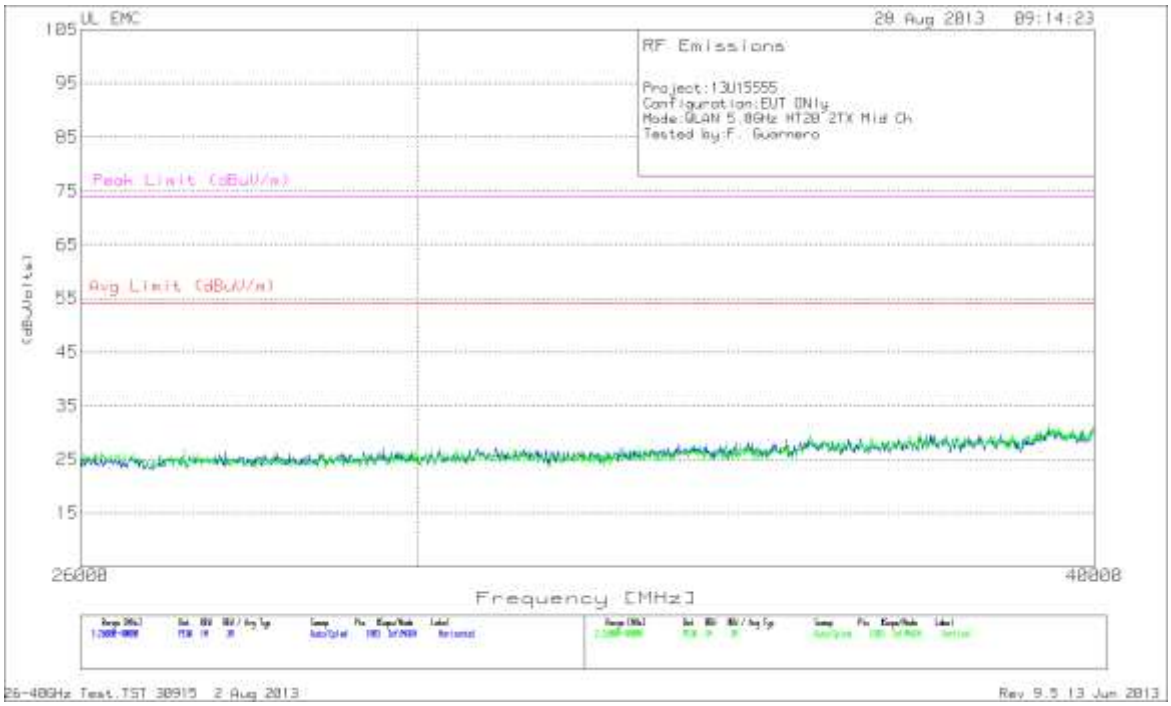


SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)

5.8 GHz BAND

SPURIOUS EMISSIONS 26 TO 40 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)

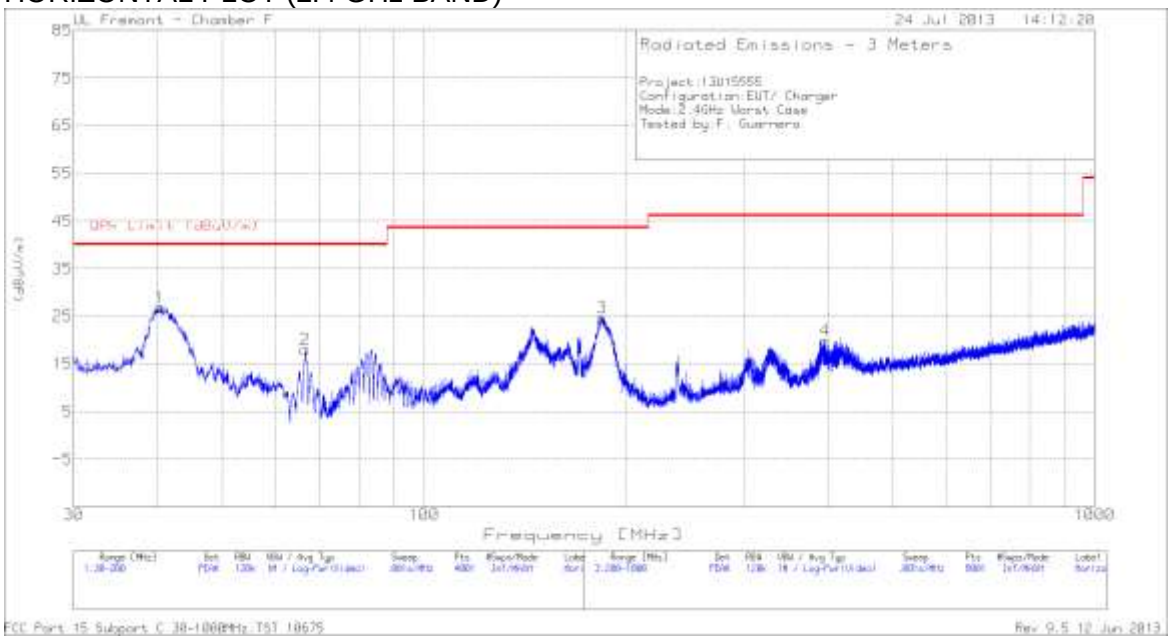
5.8 GHz BAND



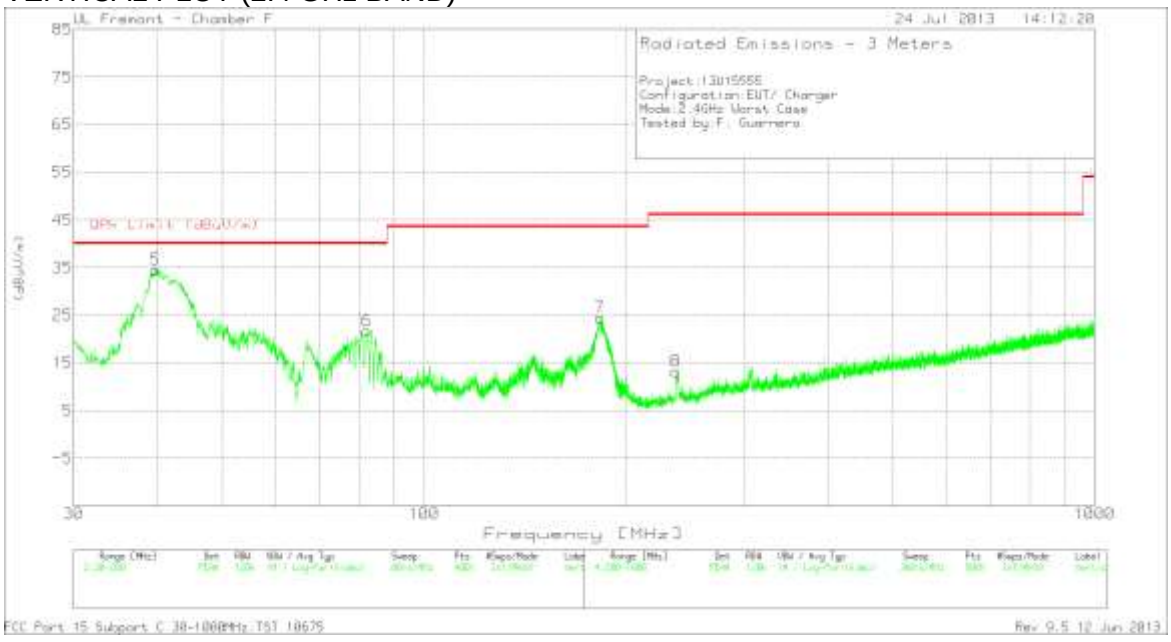
9.4. WORST-CASE BELOW 1 GHz

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

HORIZONTAL PLOT (2.4 GHz BAND)



VERTICAL PLOT (2.4 GHz BAND)



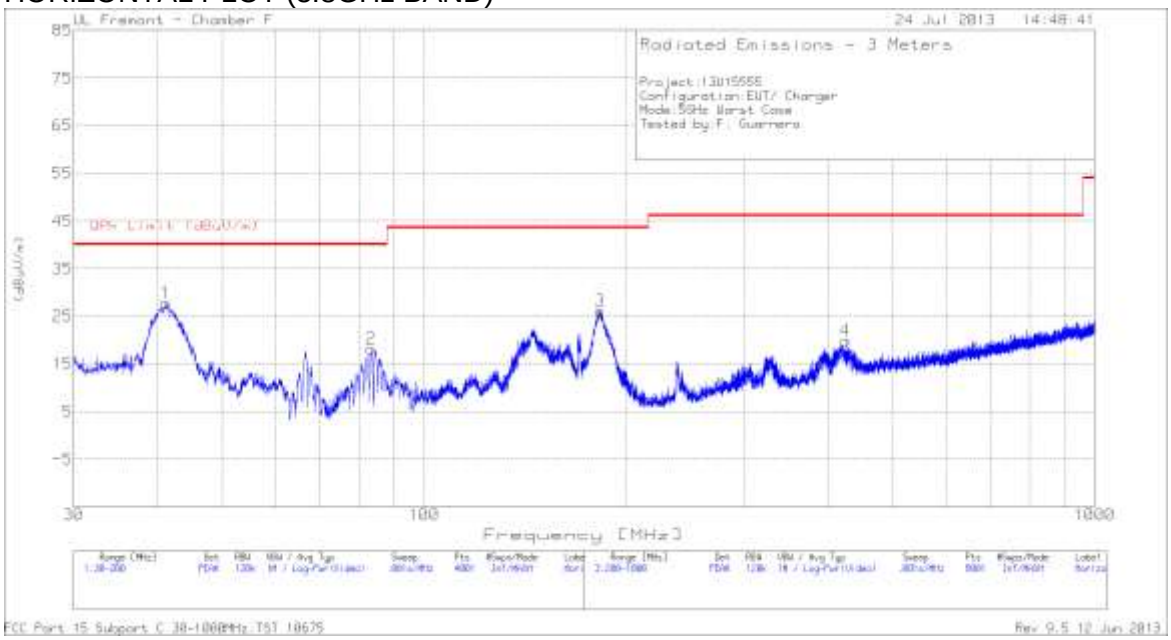
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.37	45.33	PK	13.5	-32	26.83	40	-13.17	0-360	400	H
2	66.5075	41.77	PK	8	-31.8	17.97	40	-22.03	0-360	200	H
3	184.2325	44.8	PK	11.1	-31.2	24.7	43.52	-18.82	0-360	200	H
4	395.8	35.05	PK	15.3	-30.4	19.95	46.02	-26.07	0-360	100	H
5	39.775	52.57	PK	14	-32	34.57	40	-5.43	0-360	100	V
6	82.1475	46.04	PK	7.4	-31.7	21.74	40	-18.26	0-360	100	V
7	183.0425	44.54	PK	11.1	-31.1	24.54	43.52	-18.98	0-360	100	V
8	237.4	32.73	PK	11.5	-31	13.23	46.02	-32.79	0-360	301	V

PK - Peak detector

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

HORIZONTAL PLOT (5.8GHz BAND)



VERTICAL PLOT (5.8GHz BAND)

DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	41.22	46.91	PK	12.9	-32	27.81	40	-12.19	0-360	400	H
2	83.38	42.49	PK	7.4	-31.7	18.19	40	-21.81	0-360	200	H
3	183.1275	46.16	PK	11.1	-31.1	26.16	43.52	-17.36	0-360	200	H
5	40.625	53.73	PK	13.4	-32	35.13	40	-4.87	0-360	100	V
6	83.4225	47.16	PK	7.4	-31.7	22.86	40	-17.14	0-360	100	V
7	181.8525	44.05	PK	11.1	-31.2	23.95	43.52	-19.57	0-360	100	V
4	425.3	33.92	PK	16.4	-30.4	19.92	46.02	-26.1	0-360	100	H
8	237.4	33.56	PK	11.5	-31	14.06	46.02	-31.96	0-360	401	V

PK - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
40.6027	48.8	QP	13.4	-32	30.2	40	-9.8	62	185	V

QP - Quasi-Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 7.2.2

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

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

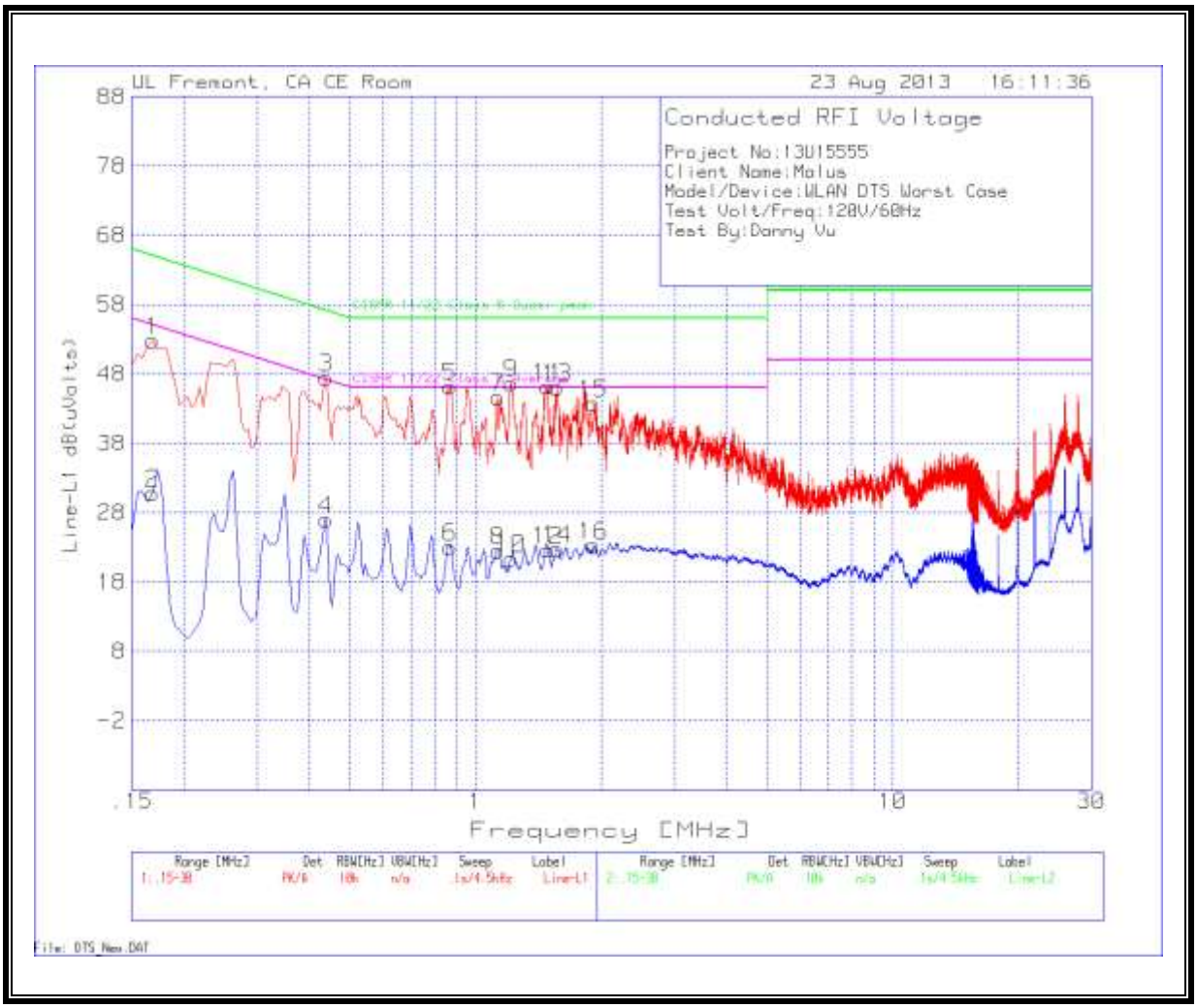
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

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

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

RESULTS

LINE 1 RESULTS

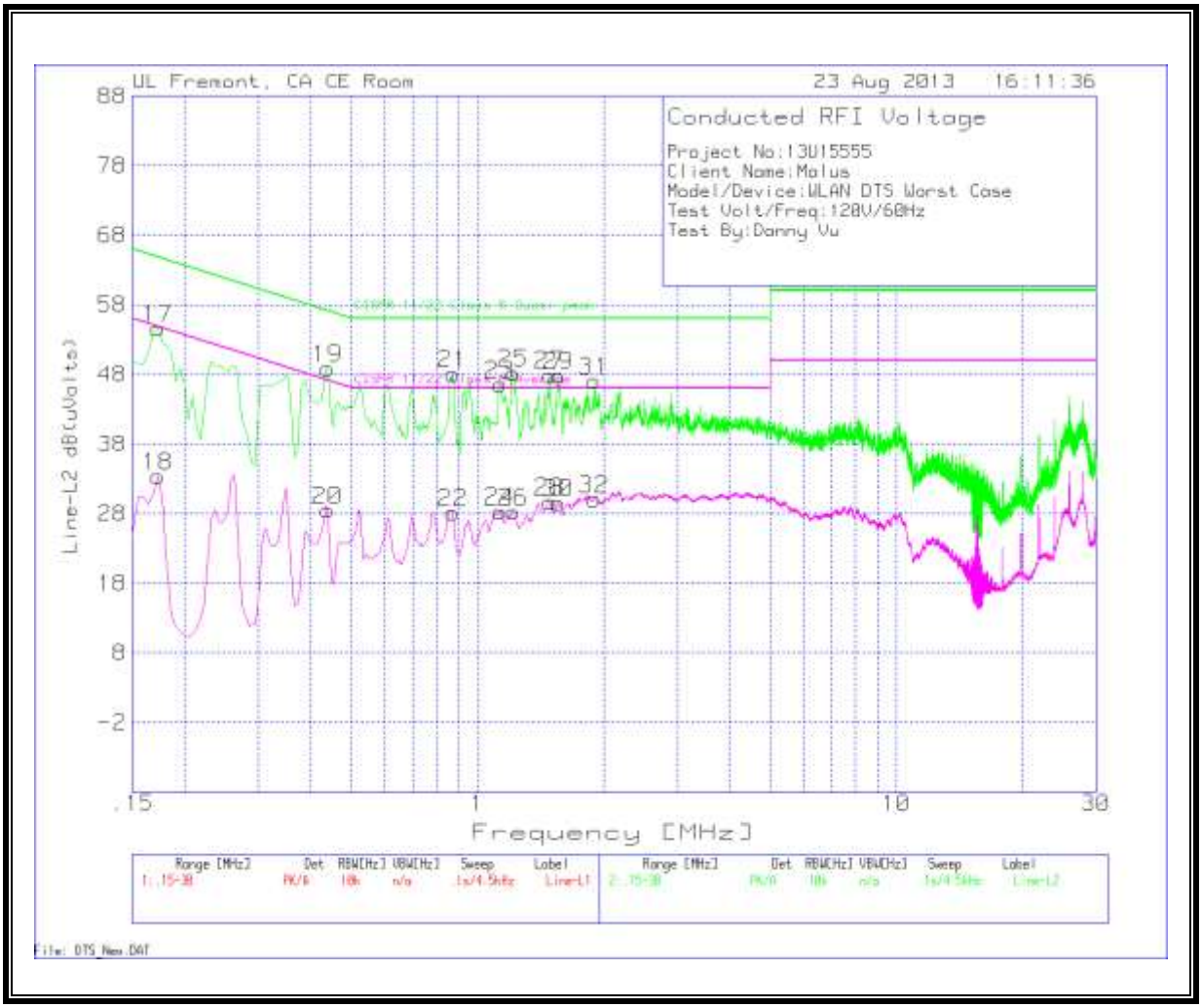


Line-L1 .15 - 30MHz

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	.168	52.7	PK	.1	0	52.8	65.1	-12.3	-	-
2	.168	30.71	Av	.1	0	30.81	-	-	55.1	-24.29
3	.438	47.4	PK	.1	0	47.5	57.1	-9.6	-	-
4	.438	26.92	Av	.1	0	27.02	-	-	47.1	-20.08
5	.87	46.1	PK	.1	0	46.2	56	-9.8	-	-
6	.87	22.97	Av	.1	0	23.07	-	-	46	-22.93
7	1.131	44.56	PK	.1	0	44.66	56	-11.34	-	-
8	1.131	22.45	Av	.1	0	22.55	-	-	46	-23.45
9	1.2165	46.47	PK	.1	.1	46.67	56	-9.33	-	-
10	1.2165	21.21	Av	.1	.1	21.41	-	-	46	-24.59
11	1.491	45.99	PK	.1	.1	46.19	56	-9.81	-	-
12	1.491	22.41	Av	.1	.1	22.61	-	-	46	-23.39
13	1.5675	45.81	PK	.1	.1	46.01	56	-9.99	-	-
14	1.5675	22.6	Av	.1	.1	22.8	-	-	46	-23.2
15	1.9185	43.51	PK	.1	.1	43.71	56	-12.29	-	-
16	1.9185	23.01	Av	.1	.1	23.21	-	-	46	-22.79

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)
17	.1725	54.57	PK	.1	0	54.67	64.8	-10.13	-	-
18	.1725	33.24	Av	.1	0	33.34	-	-	54.8	-21.46
19	.438	48.79	PK	.1	0	48.89	57.1	-8.21	-	-
20	.438	28.37	Av	.1	0	28.47	-	-	47.1	-18.63
21	.8745	47.96	PK	.1	0	48.06	56	-7.94	-	-
22	.8745	28.06	Av	.1	0	28.16	-	-	46	-17.84
23	1.131	46.35	PK	.1	.1	46.55	56	-9.45	-	-
24	1.131	28.12	Av	.1	.1	28.32	-	-	46	-17.68
25	1.2165	47.98	PK	.1	.1	48.18	56	-7.82	-	-
26	1.2165	28.09	Av	.1	.1	28.29	-	-	46	-17.71
27	1.4865	47.7	PK	.1	.1	47.9	56	-8.1	-	-
28	1.4865	29.52	Av	.1	.1	29.72	-	-	46	-16.28
29	1.5585	47.6	PK	.1	.1	47.8	56	-8.2	-	-
30	1.5585	29.33	Av	.1	.1	29.53	-	-	46	-16.47
31	1.9005	46.87	PK	.1	.1	47.07	56	-8.93	-	-
32	1.9005	29.8	Av	.1	.1	30	-	-	46	-16

PK - Peak detector

Av - average detection