FCC CFR47 PART 15 SUBPART C

BLUETOOTH LOW ENERGY
CERTIFICATION TEST REPORT

FOR

GT-S7273T~802.11 bgn 1x1+ BT4.0 +basic rates +EDR+GSM/WCDMA850/1900MHz Bar phone

MODEL NUMBER: GT-S7273T

FCC ID: A3LGTS7273T

REPORT NUMBER: 13I15168-4, REVISION A

ISSUE DATE: June 14, 2013

Prepared for

SAMSUNG ELECTRONICS CO., LTD.
416, MAETAN 3-DONG, YEONGTONG-GU
SUWON-CITY, GYEONGGI-DO 443-742, SOUTH KOREA

Prepared by

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NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
--	6/10/2013	Initial Issue	P. Kim
A	6/14/2013	Update report for minor typos	P. Kim

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME:	SAMSUNG ELECTRONICS CO., LTD. 416, MAETAN 3-DONG, YEONGTONG-GU SUWON-CITY, GYEONGGI-DO, 443-742, SOUTH KOREA
EUT DESCRIPTION:	GT-S7273T~802.11 bgn 1x1+ BT4.0 +basic rates +EDR+GSM/WCDMA850/1900MHz Bar phone
MODEL:	GT-S7273T
SERIAL NUMBER:	(CONDUCTED) 4D05C26B05D13000 (RADIATED) 4D05E6BE77523000
DATE TESTED:	MAY 21-26, 2013.

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 Part 15 Subpart C	Pass

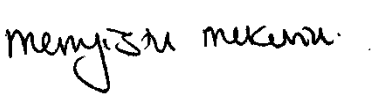
UL CCS tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL CCS based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL CCS and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL CCS will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For UL CCS By:

PHILIP KIM
WiSE PROGRAM MANAGER
UL VERIFICATION SERVICES

Tested By:



MENGISTU MEKURIA
WiSE ENGINEER
UL VERIFICATION SERVICES

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2009, FCC CFR 47 Part 2, FCC CFR 47 Part 15, RSS-GEN Issue 3, and RSS-210 Issue 8.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

UL CCS is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://www.ccsemc.com.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.52 dB
Radiated Disturbance, 30 to 1000 MHz	4.94 dB

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a bar-style cell phone featuring 802.11 bgn 1x1+ BT4.0 +basic rates +EDR+GSM/WCDMA850/1900MHz.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum peak conducted output power as follows:

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2402 - 2480	BT LE	9.2	8.32

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FPCB antenna, with a maximum gain of 0.51 dBi.

5.4. SOFTWARE AND FIRMWARE

The firmware installed in the EUT during testing was REV 1.0 and the software was S7273T.010.

5.5. WORST-CASE CONFIGURATION AND MODE

Radiated emission and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

The fundamental of the EUT was investigated in three orthogonal orientations X,Y,Z, it was determined that Z orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in Z orientation.

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	Samsung Electronics	ETA0U10BBB	DW2D203DS/7-E	DoC
Headset	Samsung Electronics	N/A	N/A	DoC

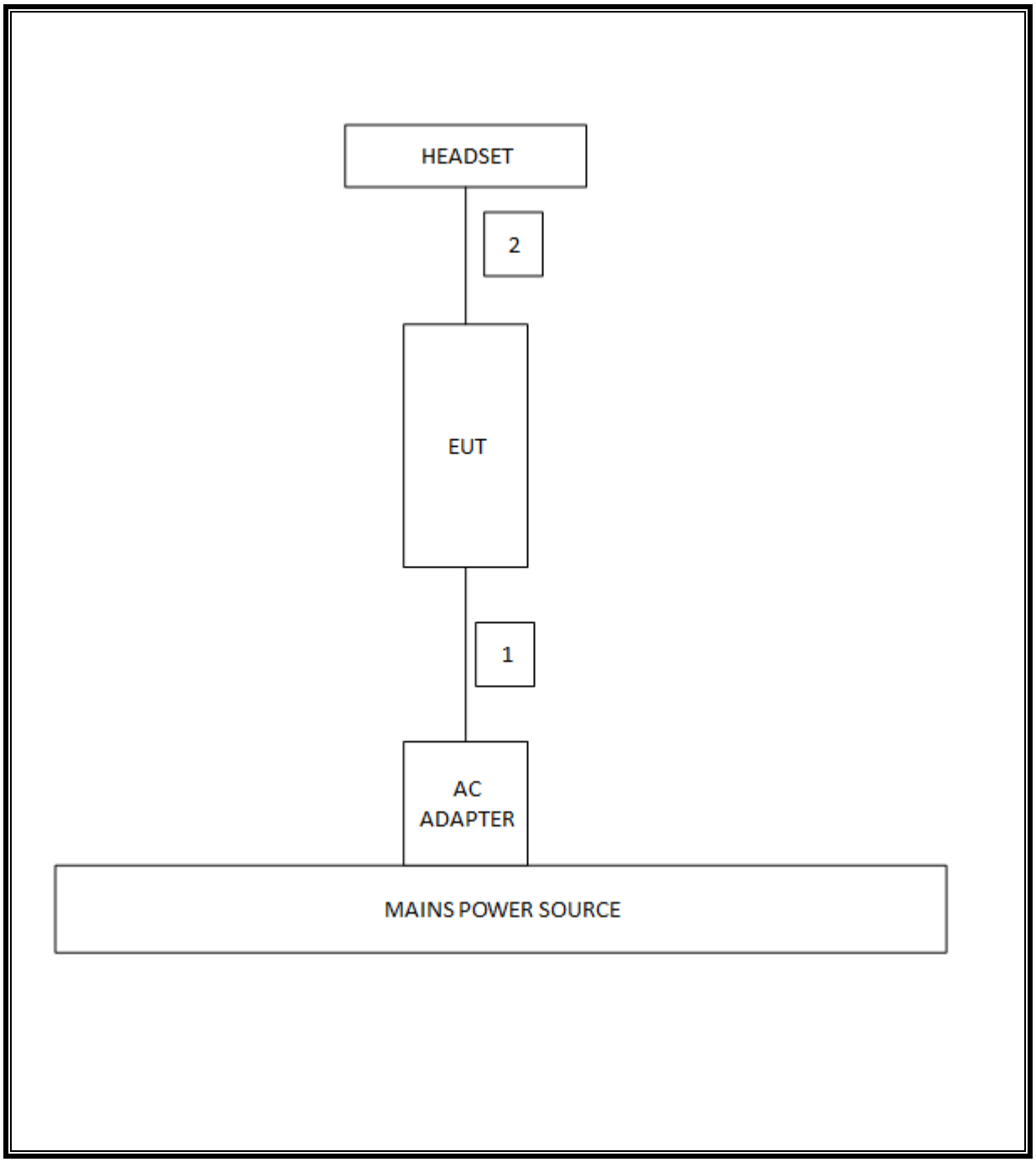
I/O CABLES

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB	1	USB	Shielded	1.6m	N/A
2	Headset	1	Audio	Shielded	1.5m	N/A

TEST SETUP

The EUT is a stand-alone unit that was tested in the worst case orientation and configuration, where applicable, during the tests. Test software exercised the radio.

SETUP DIAGRAM FOR TESTS



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	**Manufacturer**	**Model**	**Asset**	**Cal Due**
Spectrum Analyzer, 44 GHz	Agilent / HP	E4446A	C00986	03/22/14
Spectrum Analyzer, 26.5 GHz	Agilent / HP	E4440A	C01176	12/13/13
Antenna, Horn, 18 GHz	ETS	3117	C01022	02/21/14
Preamplifier, 26.5 GHz	Agilent / HP	8449B	C01052	10/22/13
Preamplifier, 1300 MHz	Agilent / HP	8447D	C00558	02/21/14
Power Sensor, 18 GHz	Agilent / HP	8481A	N02781	09/24/13
Power Meter	Agilent / HP	437B		08/09/13
Reject Filter, 2.4-2.5 GHz	Micro-Tronics	BRM50702	N02685	CNR
Antenna, Bilog, 30MHz-1 GHz	Sunol Sciences	JB1	C01171	02/13/14
EMI Test Receiver, 30 MHz	R & S	ESHS 20	N02396	08/08/13
LISN, 30 MHz	FCC	50/250-25-2	C00626	01/14/14

7. ANTENNA PORT TEST RESULTS

7.1. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

IC RSS-210 A8.2 (a)

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

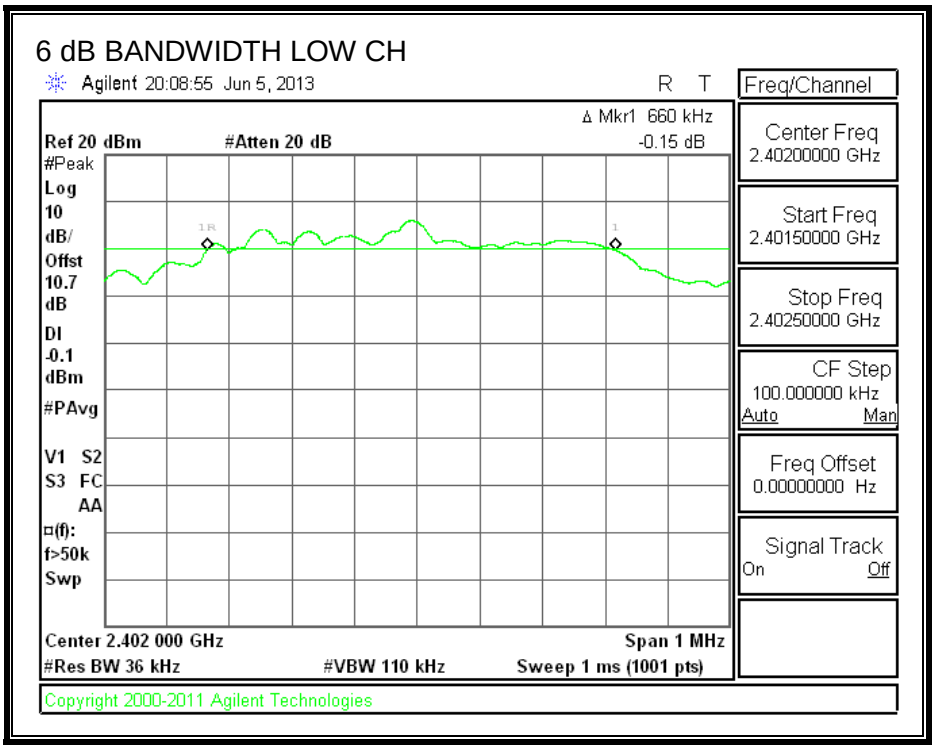
TEST PROCEDURE

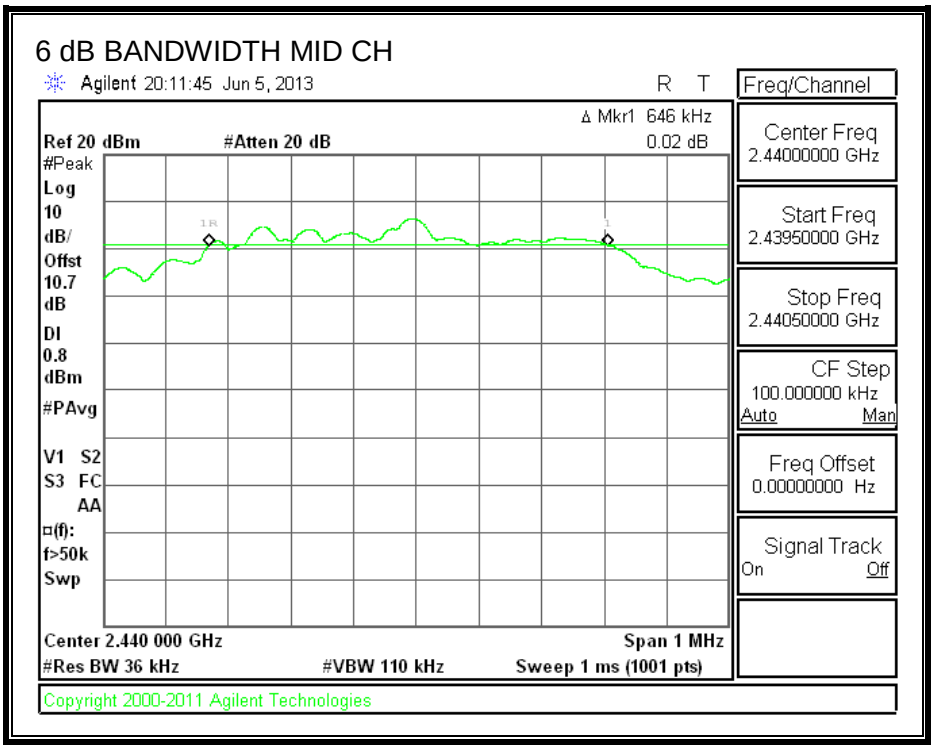
The transmitter output is connected to a spectrum analyzer. The RBW is set to 100 kHz and the VBW is set to 300 kHz. The sweep time is coupled.

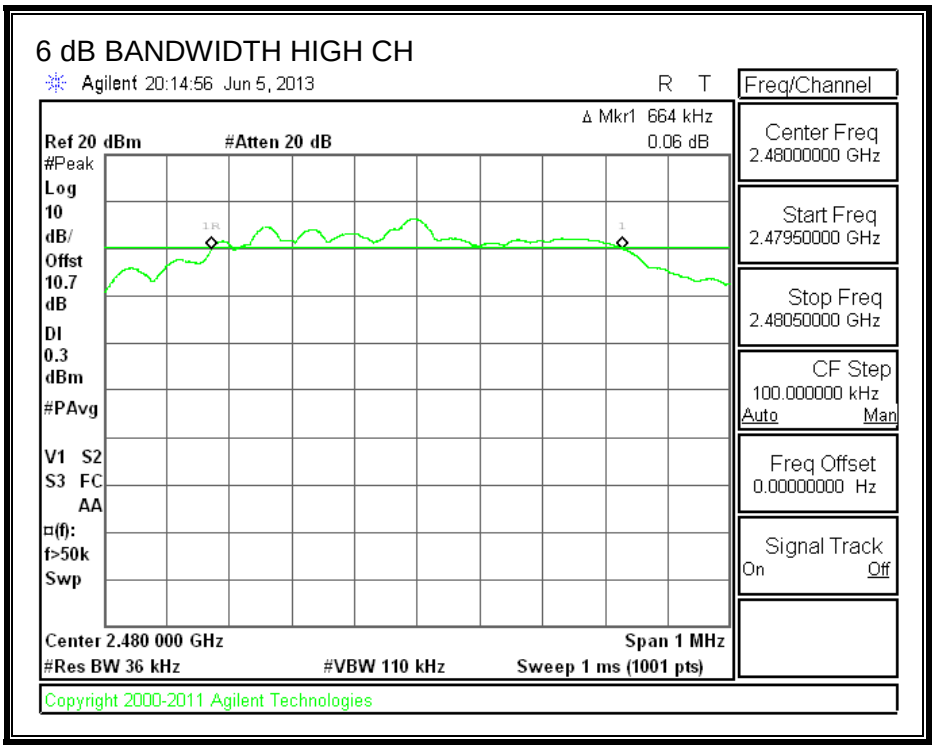
RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (kHz)	Minimum Limit (MHz)
Low	2402	660.0000	0.5
Middle	2440	646.0000	0.5
High	2480	664.0000	0.5

6 dB BANDWIDTH







7.2. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

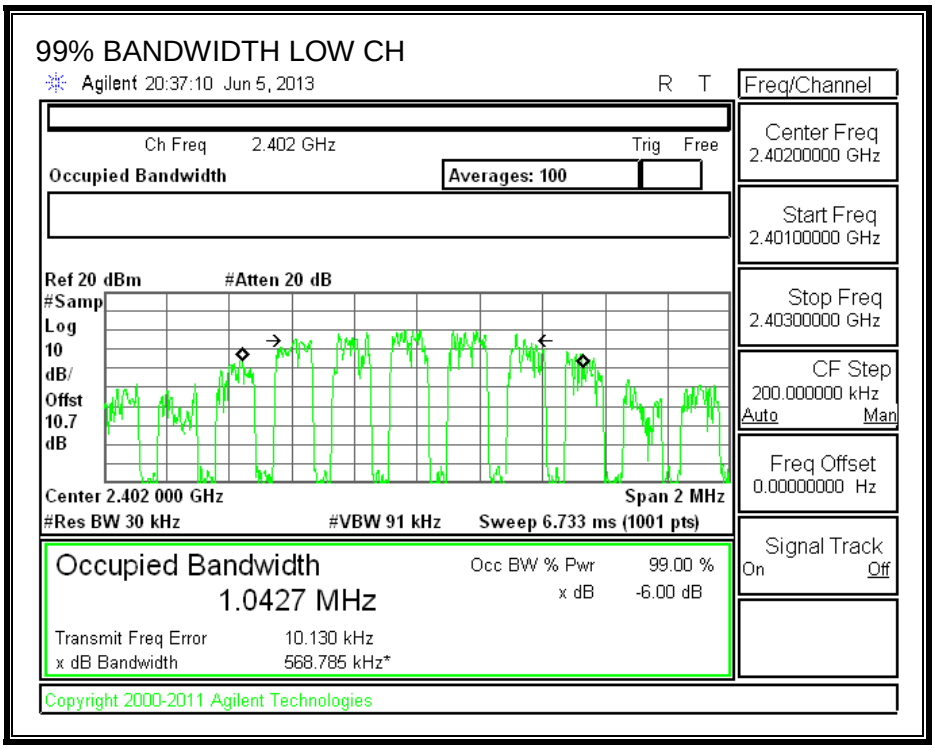
TEST PROCEDURE

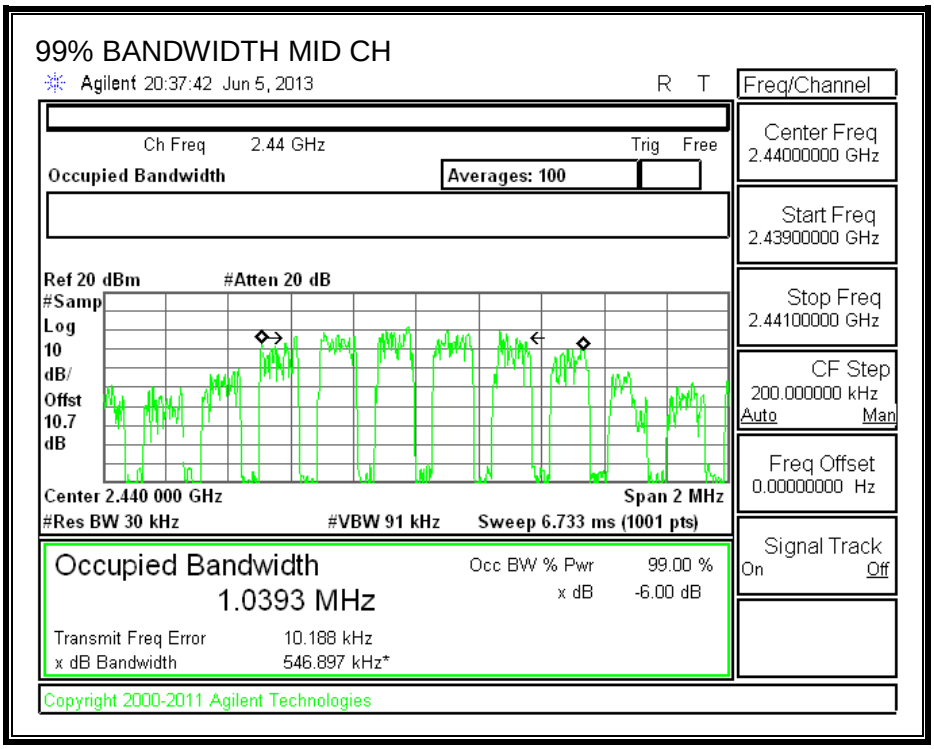
The transmitter output is connected to the spectrum analyzer. The RBW is set to 1% to 3% of the 99 % bandwidth and to 1% of the span. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

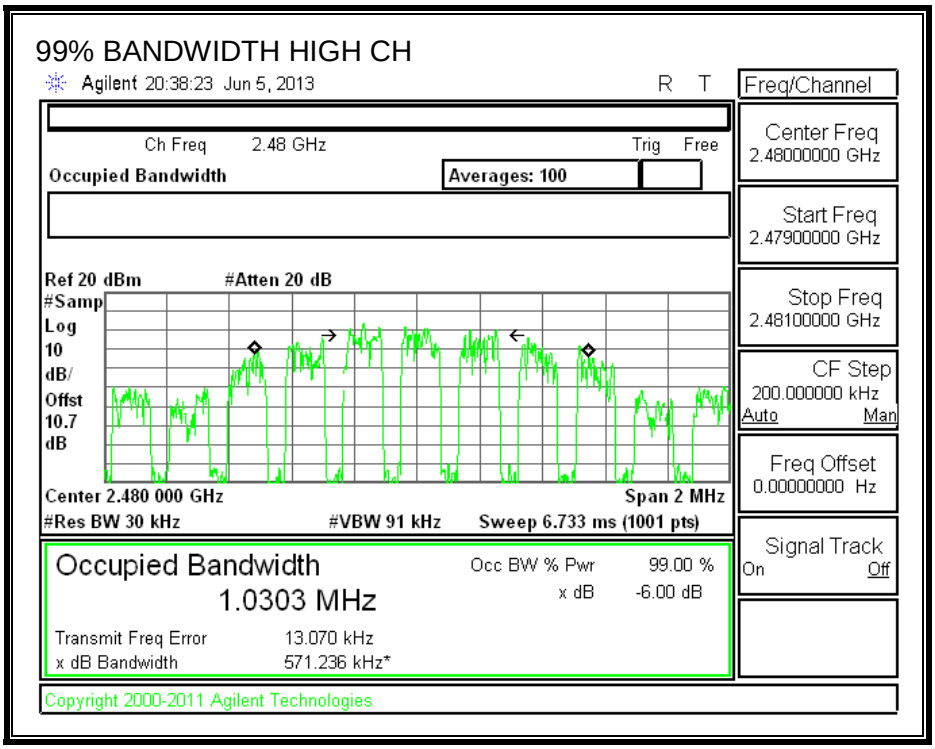
RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	2402	1.0427
Middle	2440	1.0393
High	2480	1.0303

99% BANDWIDTH







7.3. OUTPUT POWER

LIMITS

FCC §15.247 (b)

IC RSS-210 A8.4

The maximum antenna gain is less than or equal to 6 dBi, therefore the limit is 30 dBm.

TEST PROCEDURE

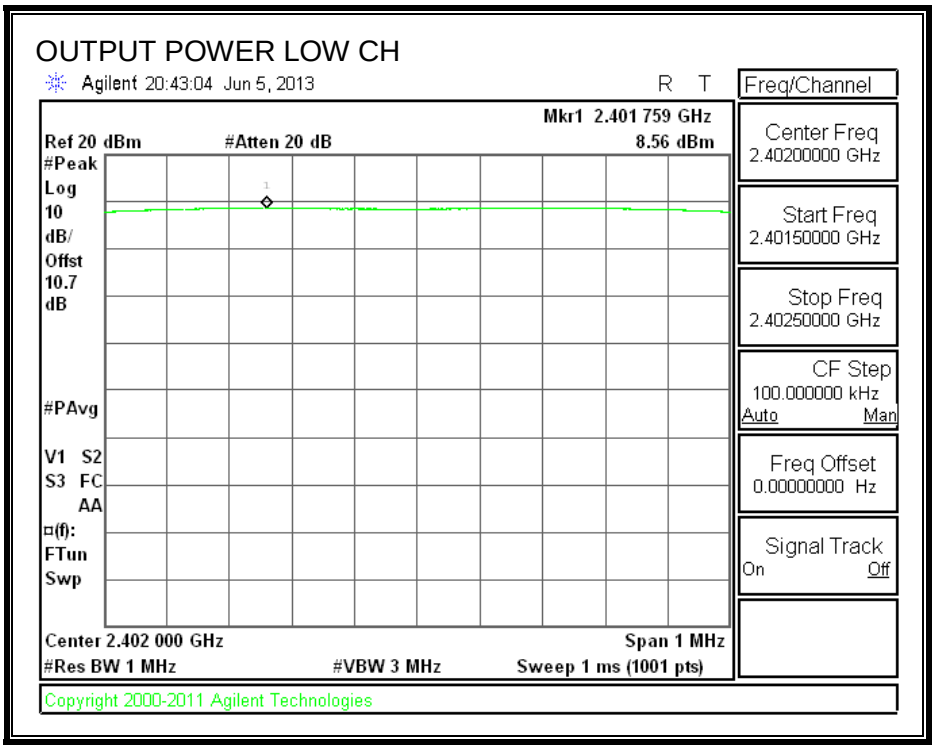
Peak power is measured using the Channel bandwidth Alternative peak output power procedure specified in "TCB Training for Devices covered under Scopes A1 - A4" by Joe Dichoso, May 2003.

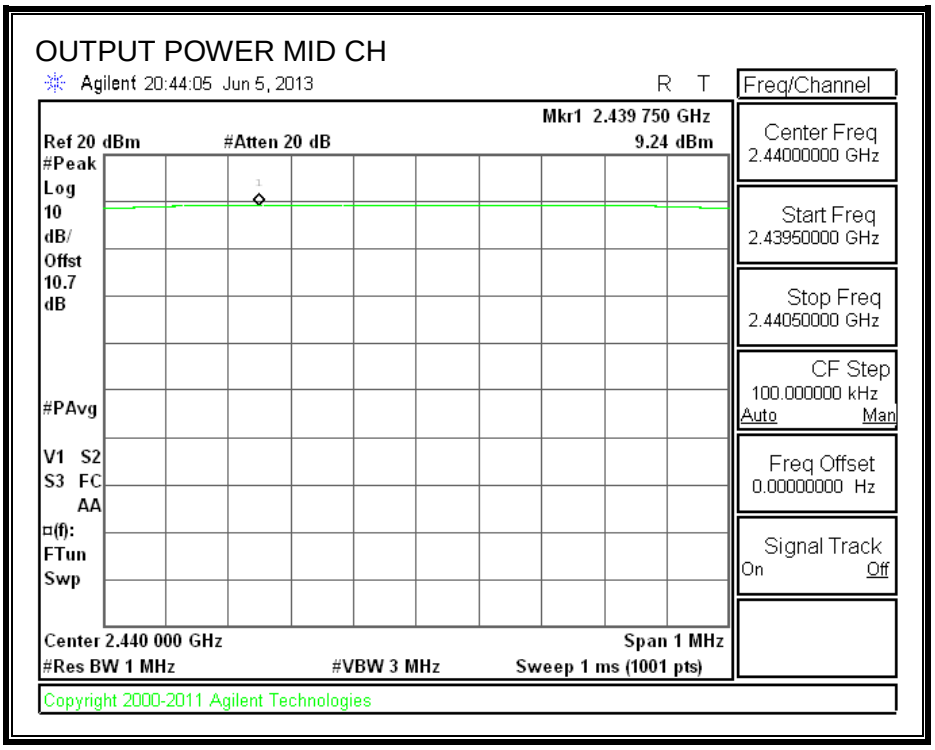
Peak power is measured using wide bandwidth Peak Power Meter.

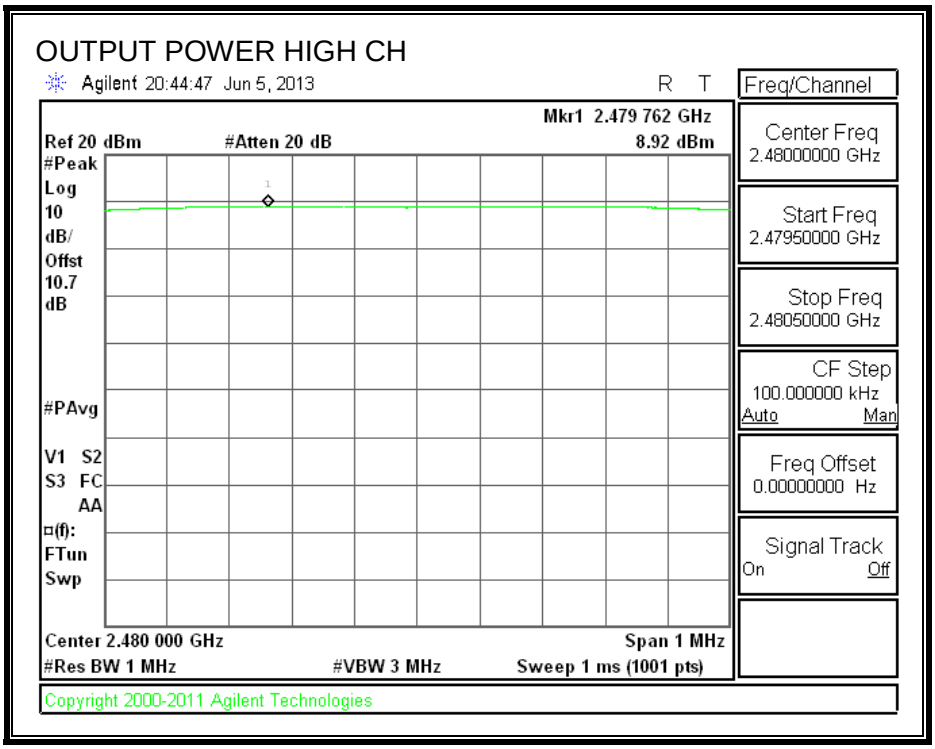
RESULTS

Channel	Frequency (MHz)	Peak Power Reading (dBm)	Limit (dBm)	Margin (dB)
Low	2402	8.560	30	-21.440
Middle	2440	9.240	30	-20.760
High	2480	8.920	30	-21.080

OUTPUT POWER







7.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

RESULTS

The cable assembly insertion loss of 10.68 dB (including 10 dB pad and 0.68 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

Channel	Frequency (MHz)	AV power (dBm)
Low	2402	6.07
Middle	2440	6.41
High	2480	6.2

7.5. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)

IC RSS-210 A8.2 (b)

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.

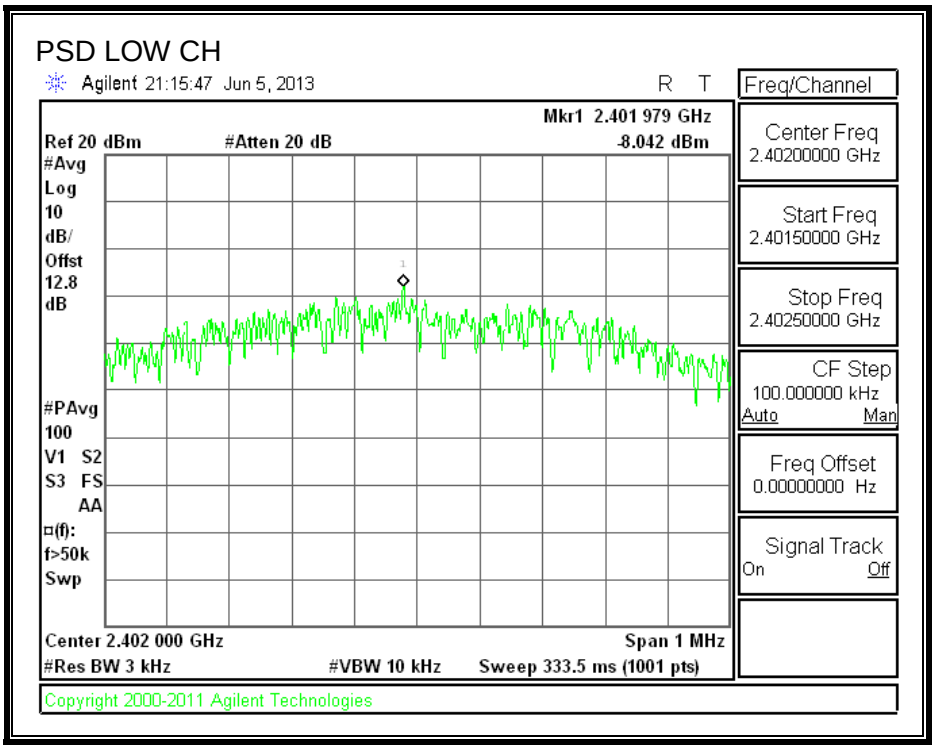
TEST PROCEDURE

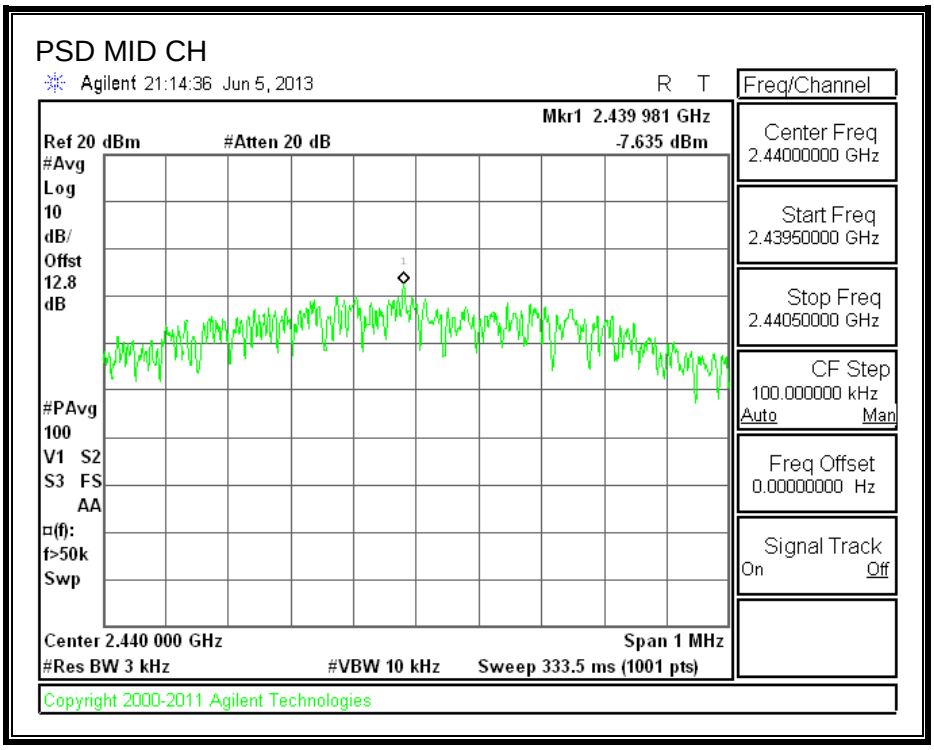
Output power was measured based on the use of a peak measurement, therefore the power spectral density was measured using PSD Option 1 in accordance with FCC document "Measurement of Digital Transmission Systems Operating under Section 15.247", March 23, 2005.

RESULTS

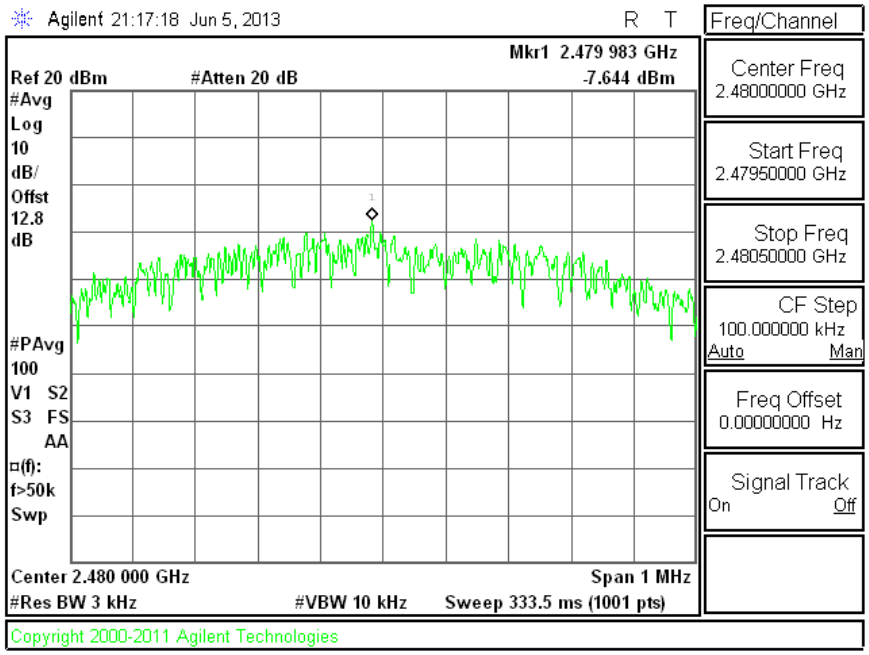
Channel	Frequency (MHz)	PSD (dBm)	Limit (dBm)	Margin (dB)
Low	2402	-8.04	8	-16.04
Middle	2440	-7.63	8	-15.63
High	2480	-7.65	8	-15.65

POWER SPECTRAL DENSITY





PSD HIGH CH



7.6. CONDUCTED SPURIOUS EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

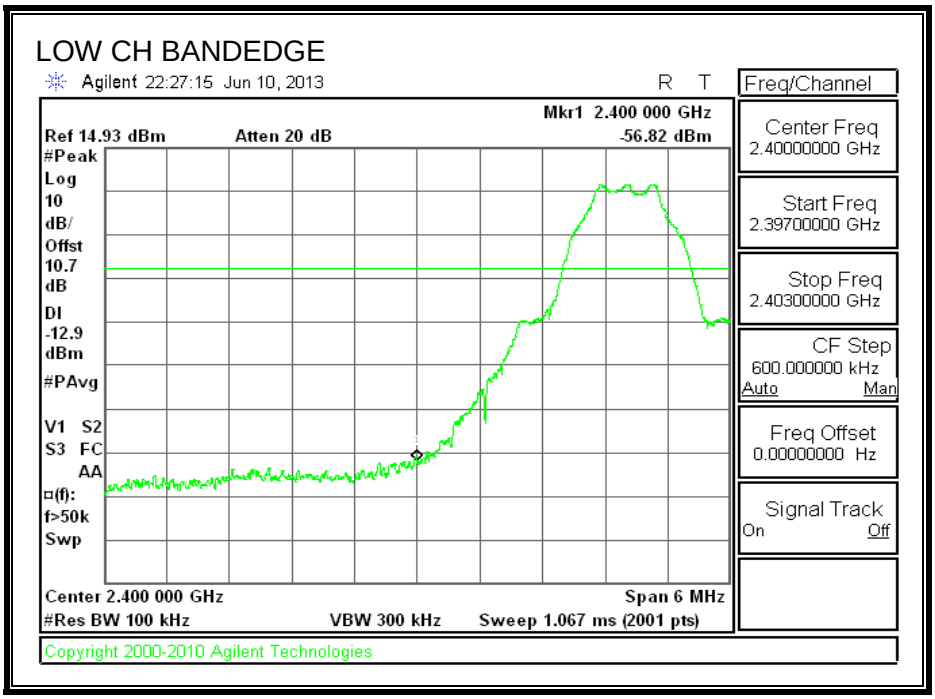
Output power was measured based on the use of a peak measurement, therefore the required attenuation is 20 dB.

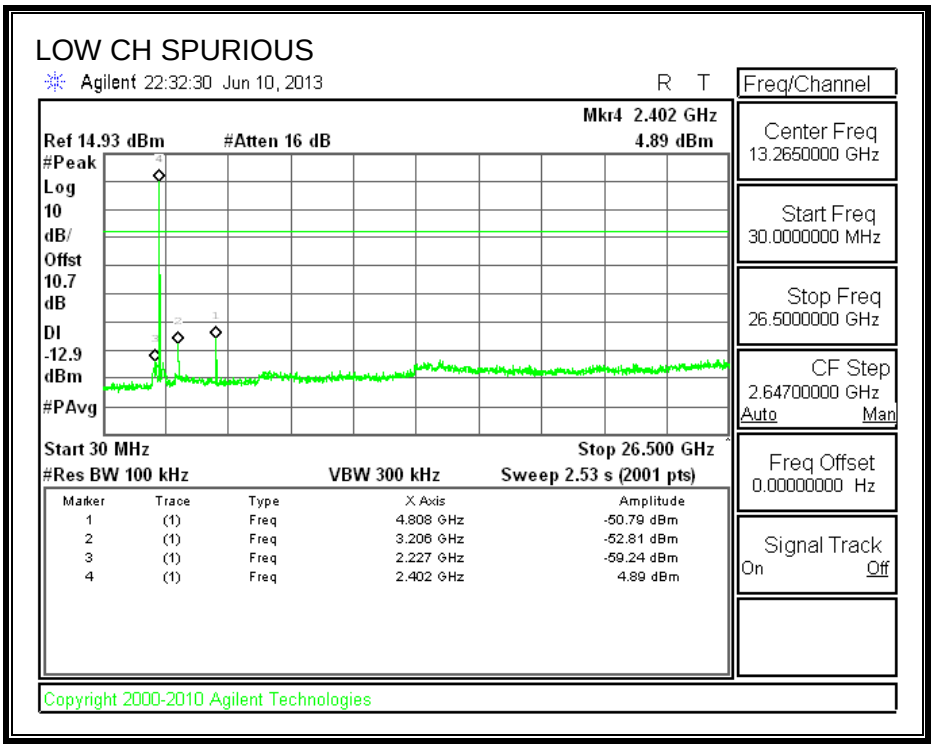
TEST PROCEDURE

The transmitter output is connected to a spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 300 kHz.

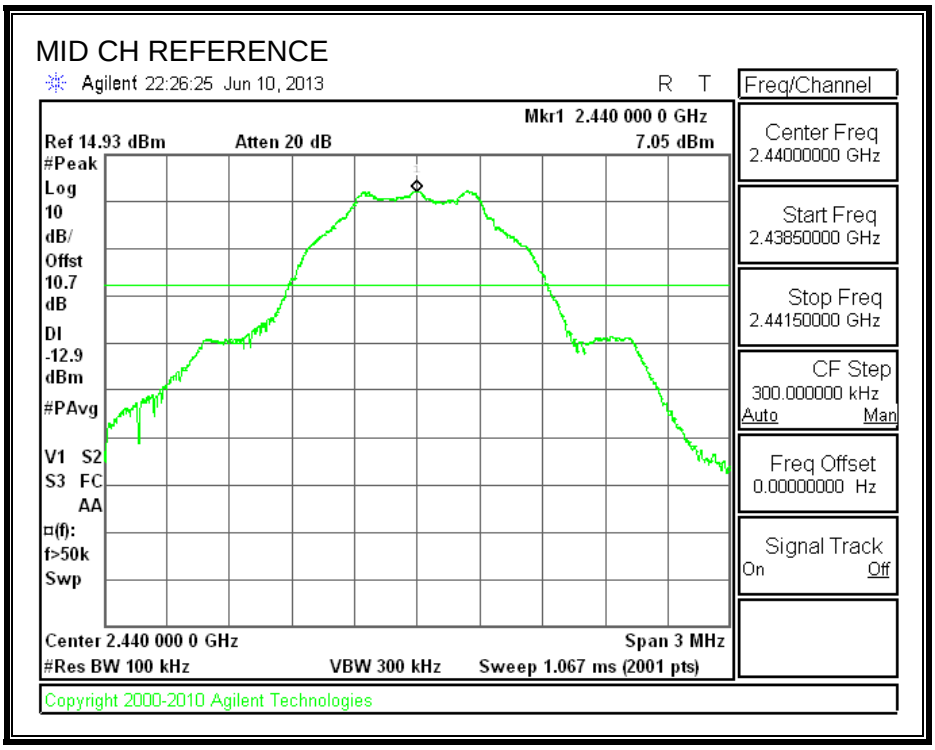
The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels.

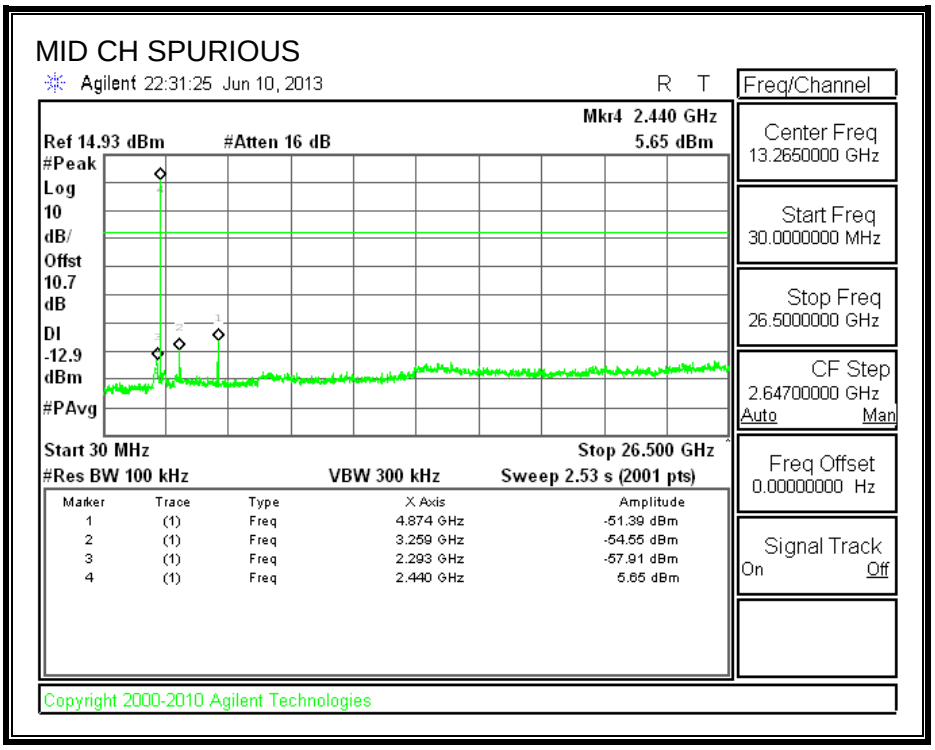
SPURIOUS EMISSIONS, LOW CHANNEL



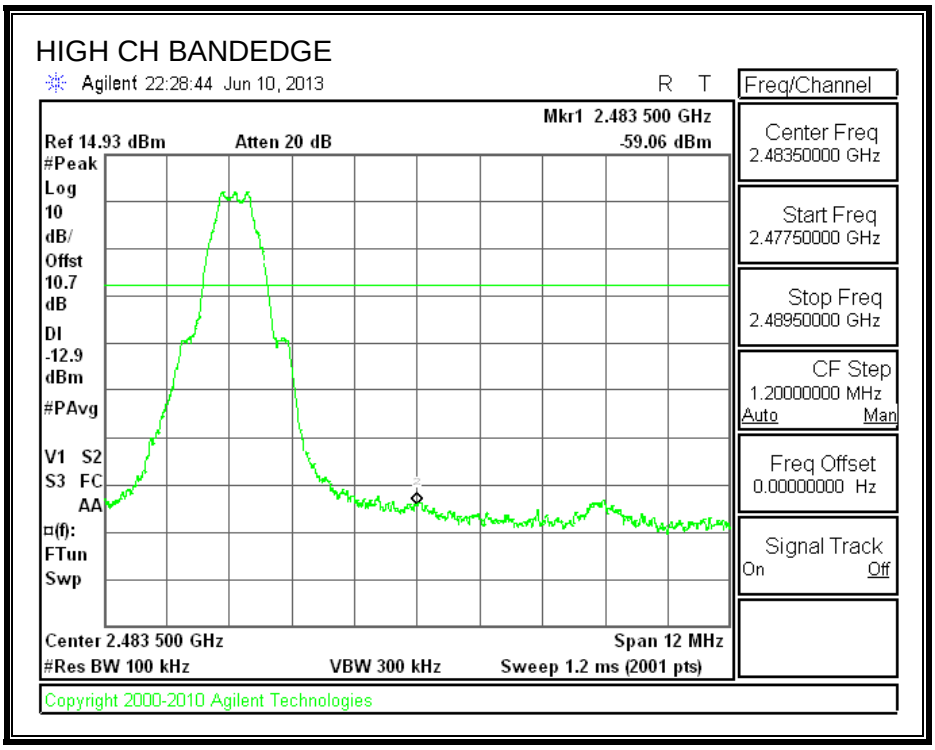


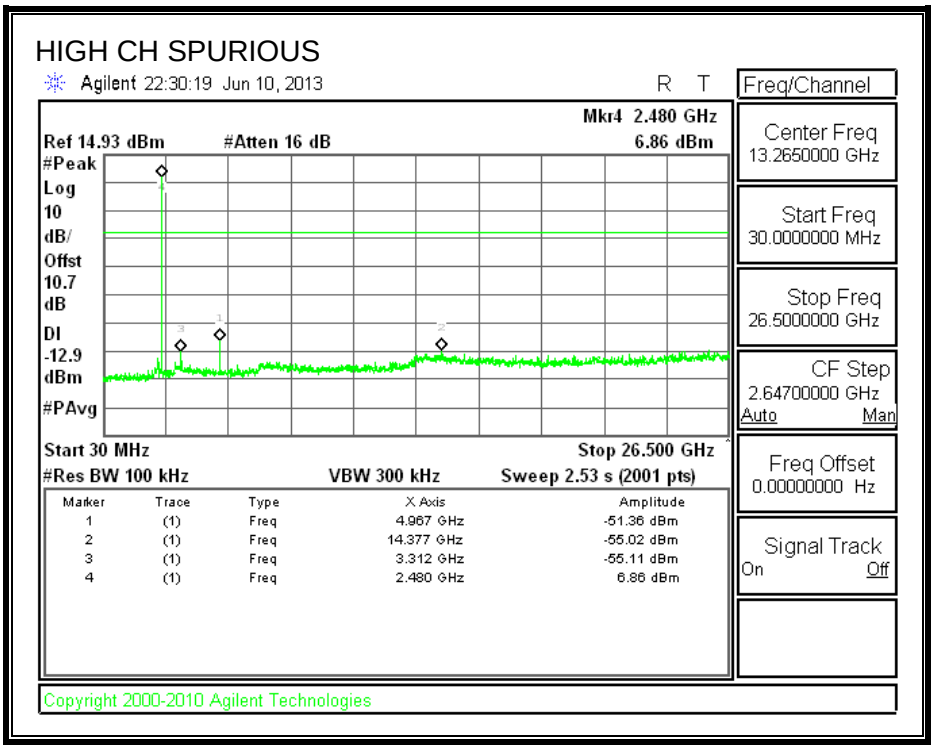
SPURIOUS EMISSIONS, MID CHANNEL





SPURIOUS EMISSIONS, HIGH CHANNEL





8. RADIATED TEST RESULTS

8.1. 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. The EUT is configured in accordance with ANSI C63.4. The EUT is set to transmit in a continuous mode.

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, then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

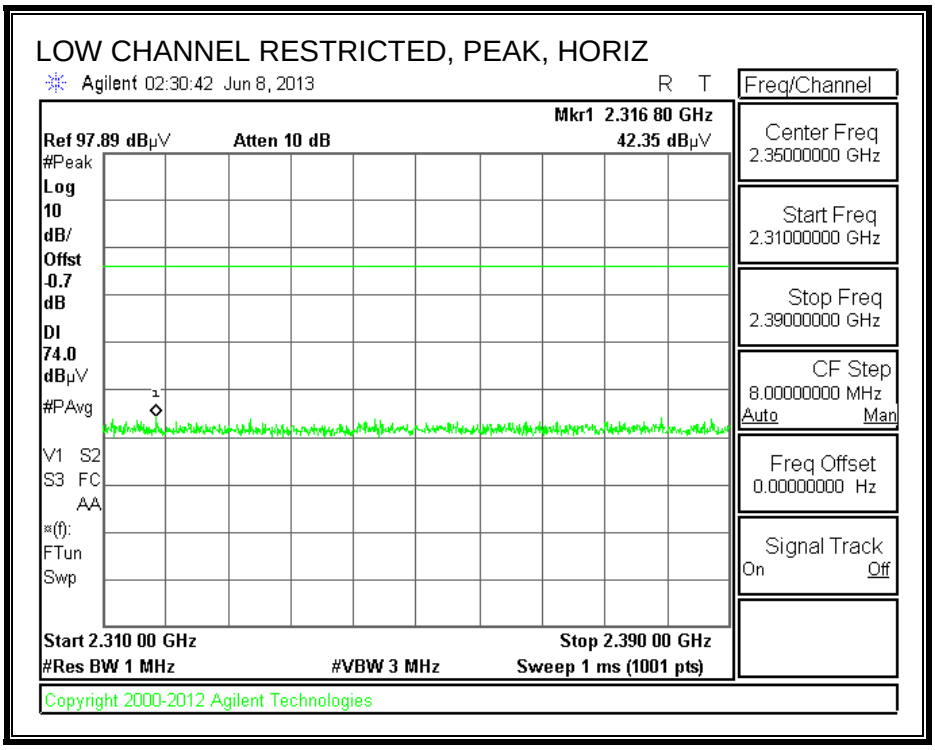
The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

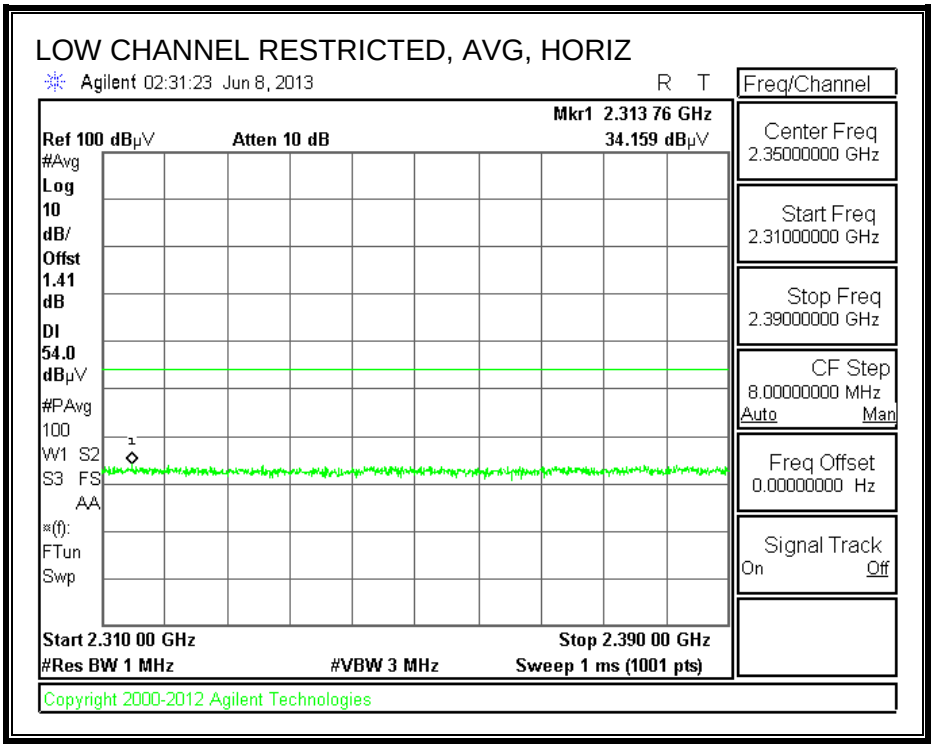
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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.

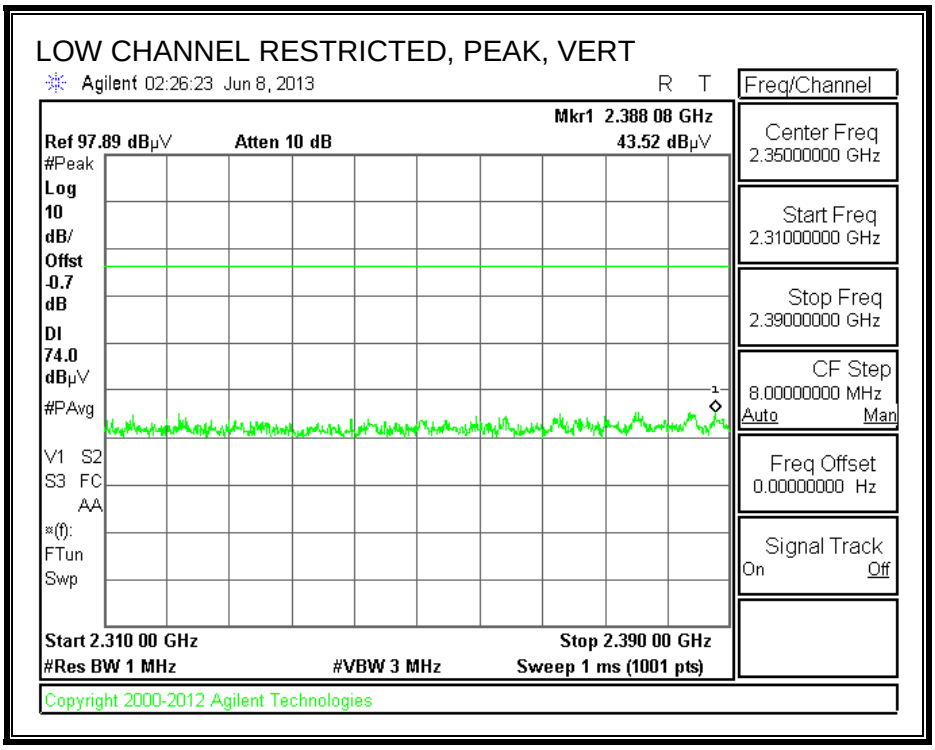
8.1. TX ABOVE 1 GHz FOR BLUETOOTH LOW ENERGY MODE

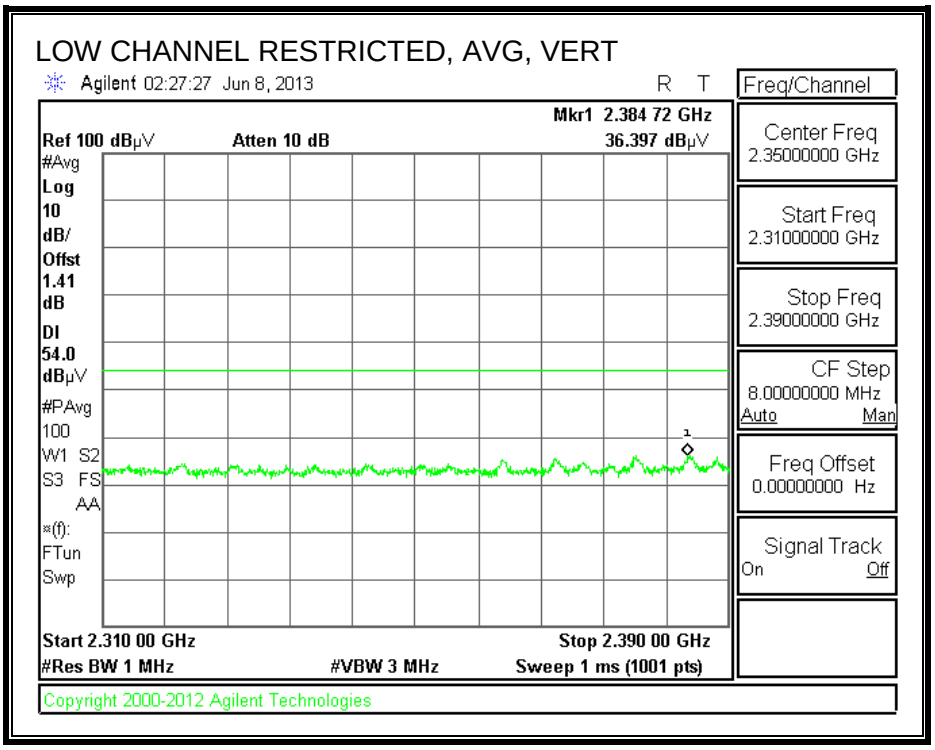
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



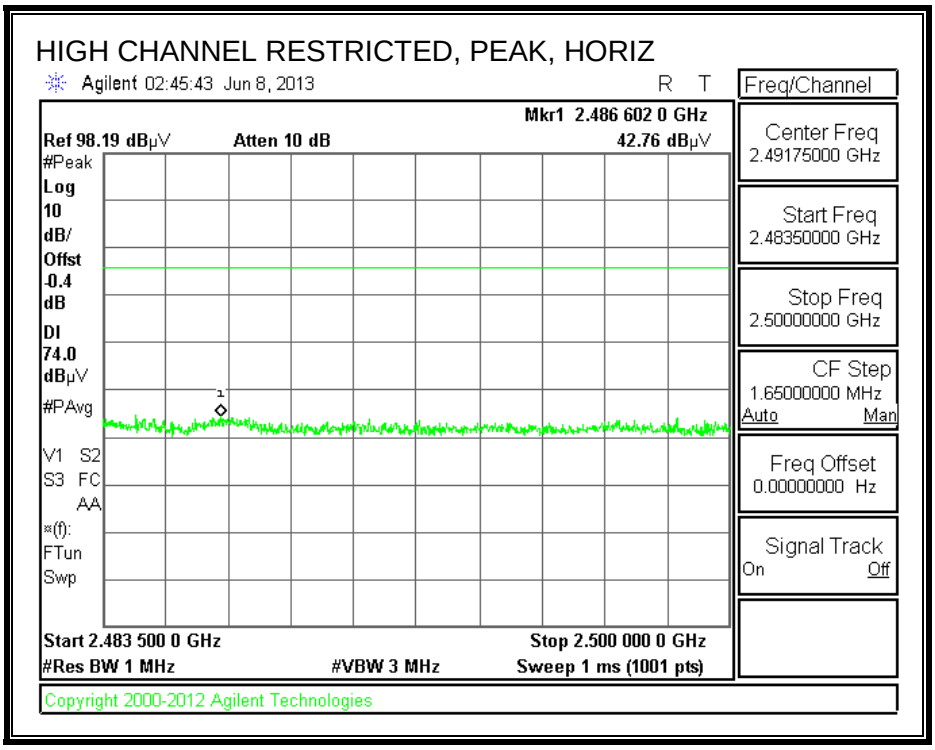


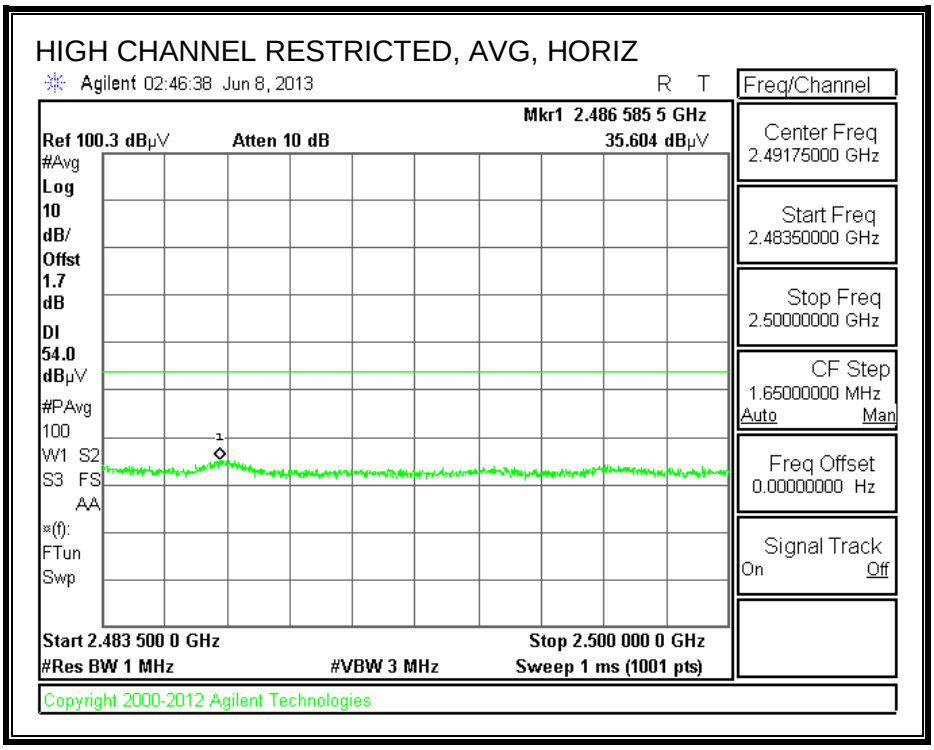
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



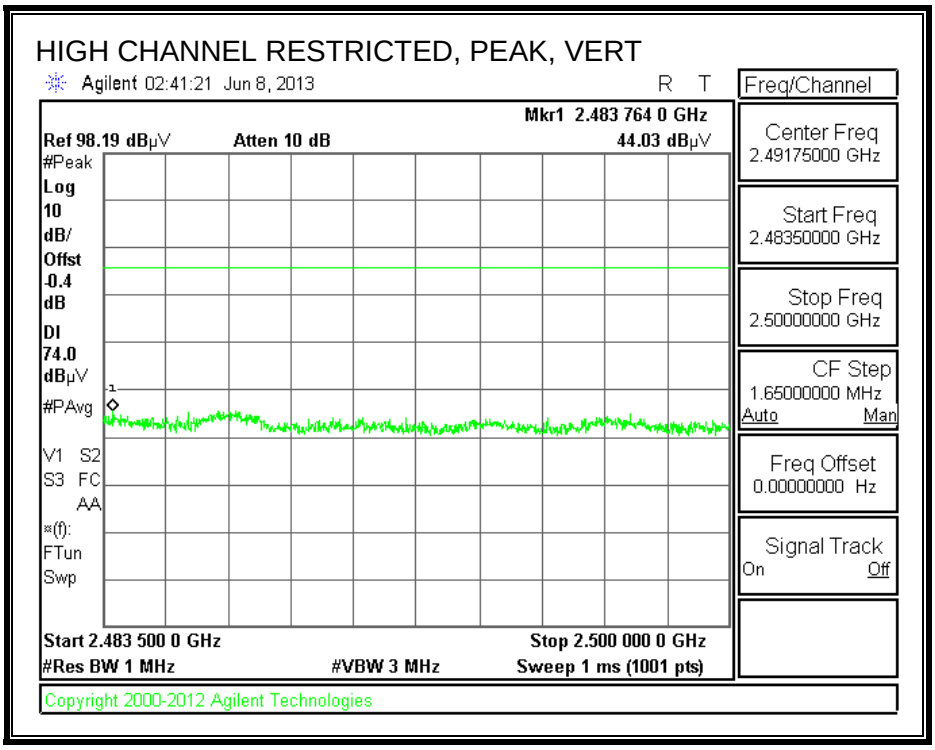


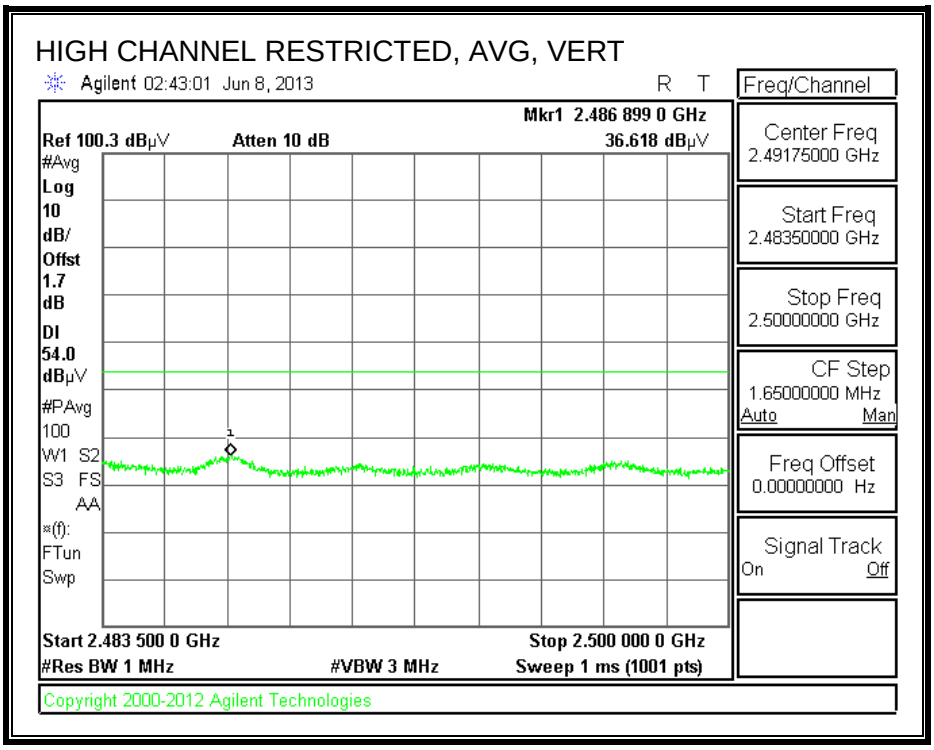
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)





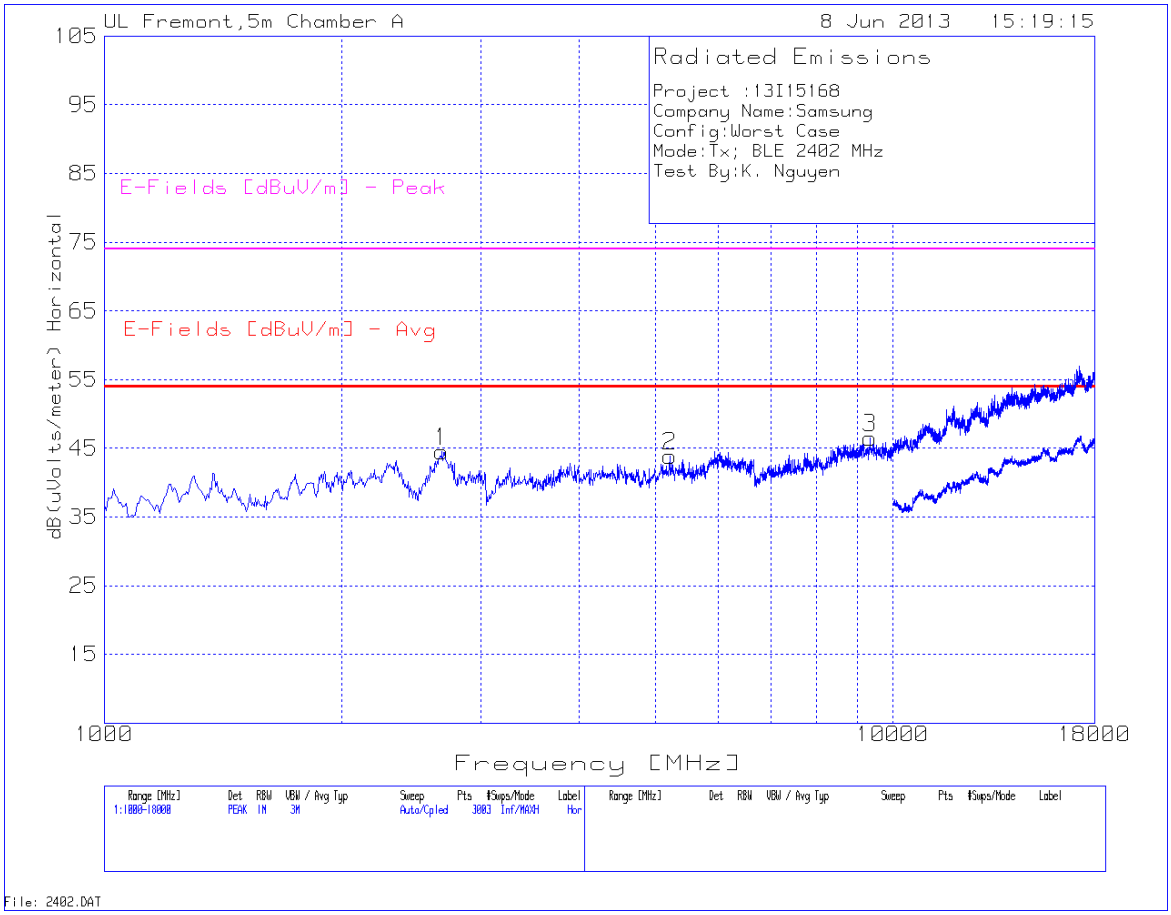
RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)





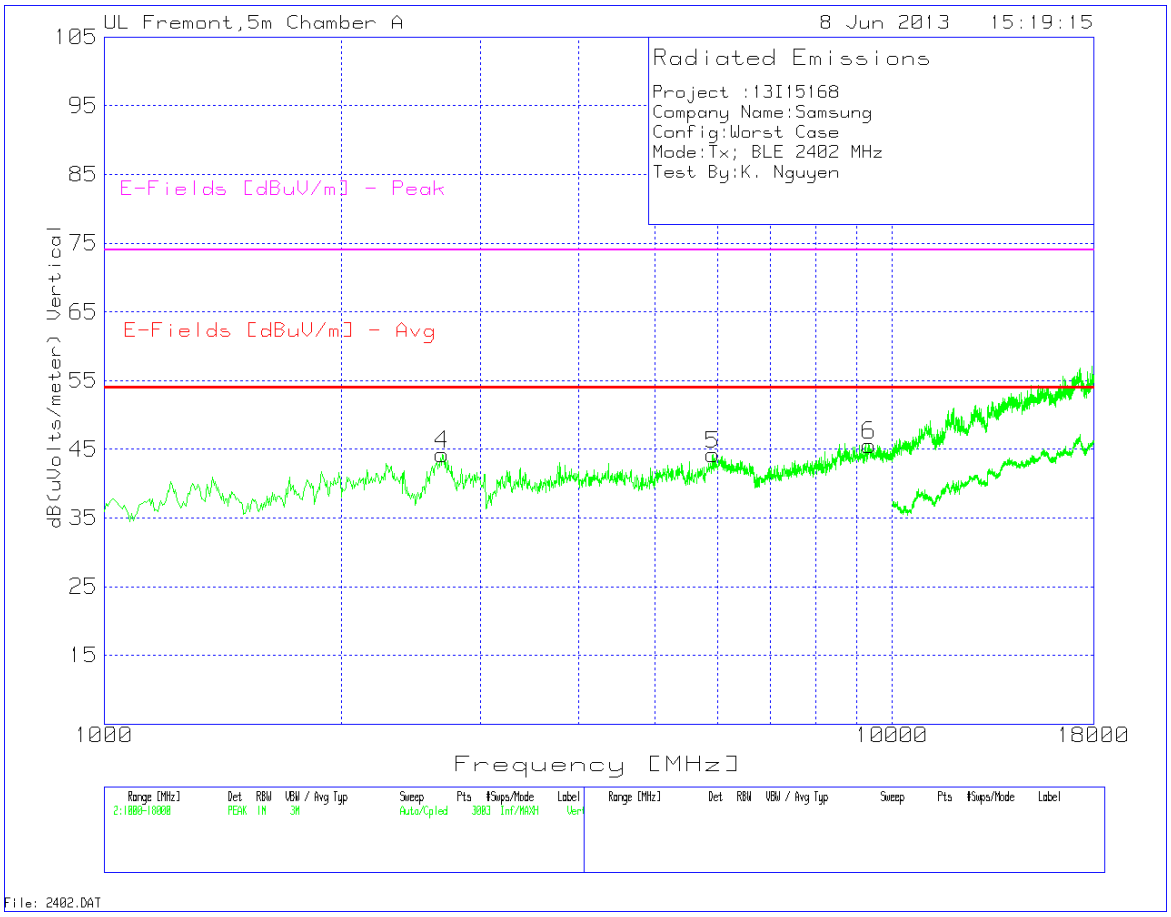
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Second line shown below original line from 1GHz to 18GHz is an average measurement, showing that no noise is present.

LOW CHANNEL VERTICAL



Second line shown below original line from 1GHz to 18GHz is an average measurement, showing that no noise is present.

LOW CHANNEL HORIZONTAL AND VERTICAL DATA

Project :13I15168
Company Name:Samsung
Config:Worst Case
Mode:Tx; BLE 2402 MHz
Test By:K. Nguyen

Trace Markers

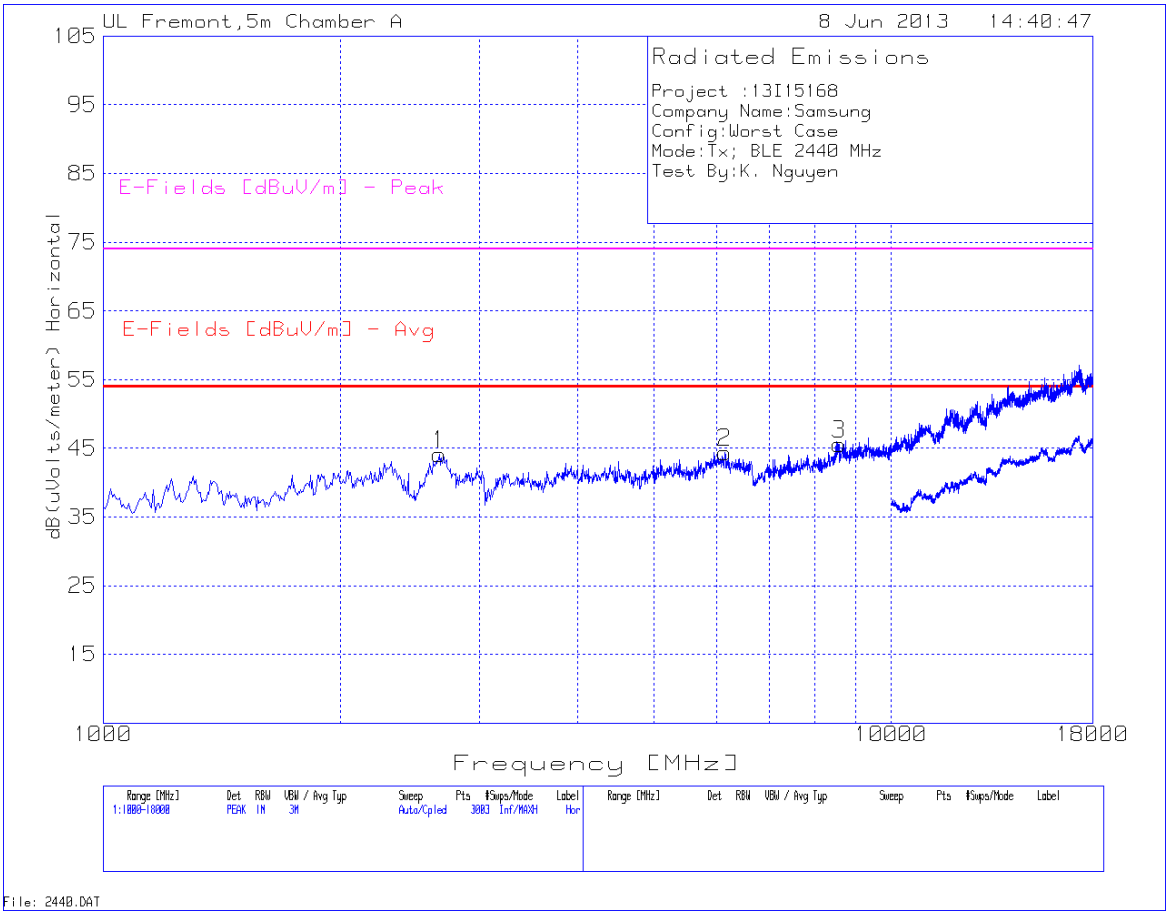
Horizontal 1000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2681.879	42.97	PK	32.7	-36.8	4.7	0.9	44.47	53.97	-9.5	74	-29.53	100	Horz
2	5213.191	37.86	PK	34.2	-35.5	7.1	0.2	43.86	53.97	-10.11	74	-30.14	200	Horz
3	9358.428	35.84	PK	36.4	-36.2	10	0.5	46.54	53.97	-7.43	74	-27.46	100	Horz

Vertical 1000 - 18000MHz

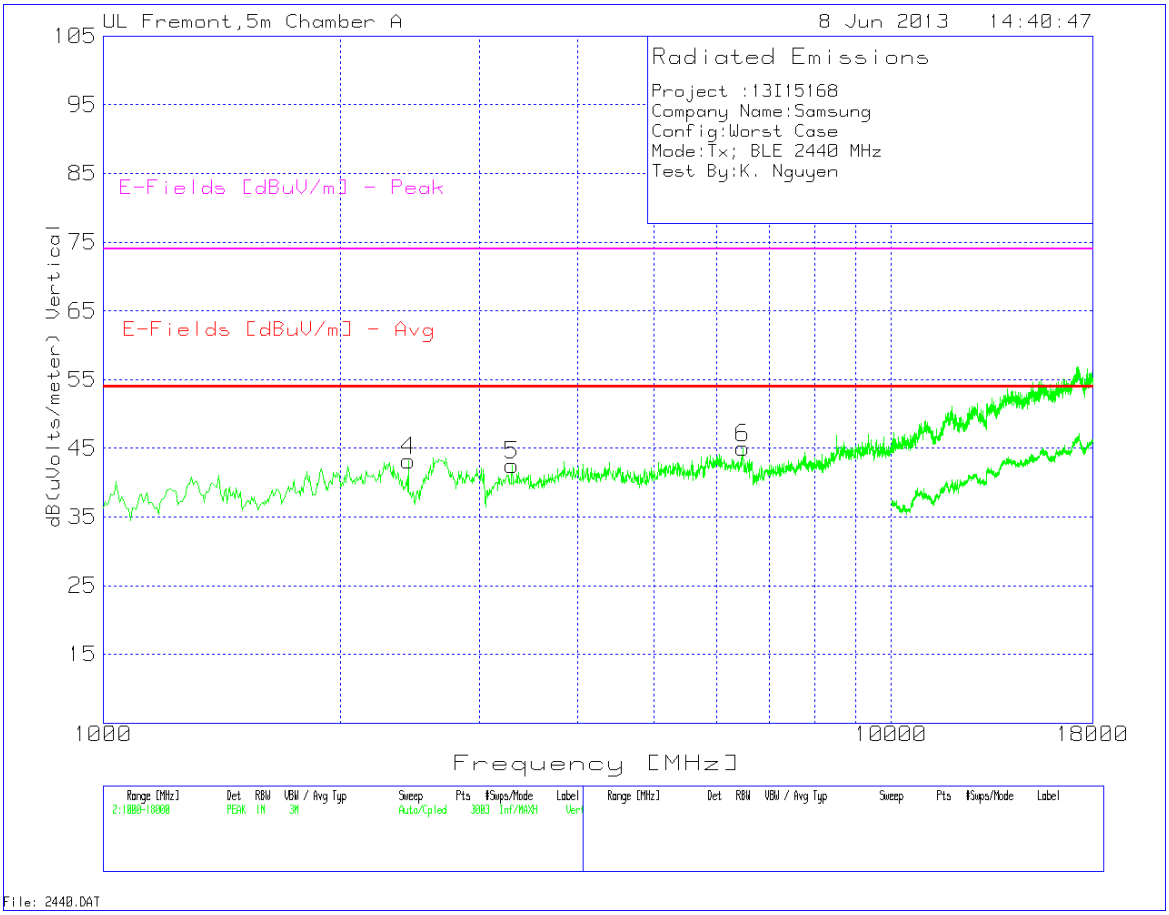
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
4	2687.542	42.72	PK	32.7	-36.8	4.7	0.9	44.22	53.97	-9.75	74	-29.78	100	Vert
5	5921.053	36.89	PK	35.1	-35.6	7.6	0.2	44.19	53.97	-9.78	74	-29.81	100	Vert
6	9347.102	34.95	PK	36.3	-36.2	10	0.5	45.55	53.97	-8.42	74	-28.45	100	Vert

MID CHANNEL HORIZONTAL



Second line shown below original line from 1GHz to 18GHz is an average measurement, showing that no noise is present.

MID CHANNEL VERTICAL



Second line shown below original line from 1GHz to 18GHz is an average measurement, showing that no noise is present.

MID CHANNEL HORIZONTAL AND VERTICAL DATA

Project :13I15168
Company Name:Samsung
Config:Worst Case
Mode:Tx; BLE 2440 MHz
Test By:K. Nguyen

Trace Markers

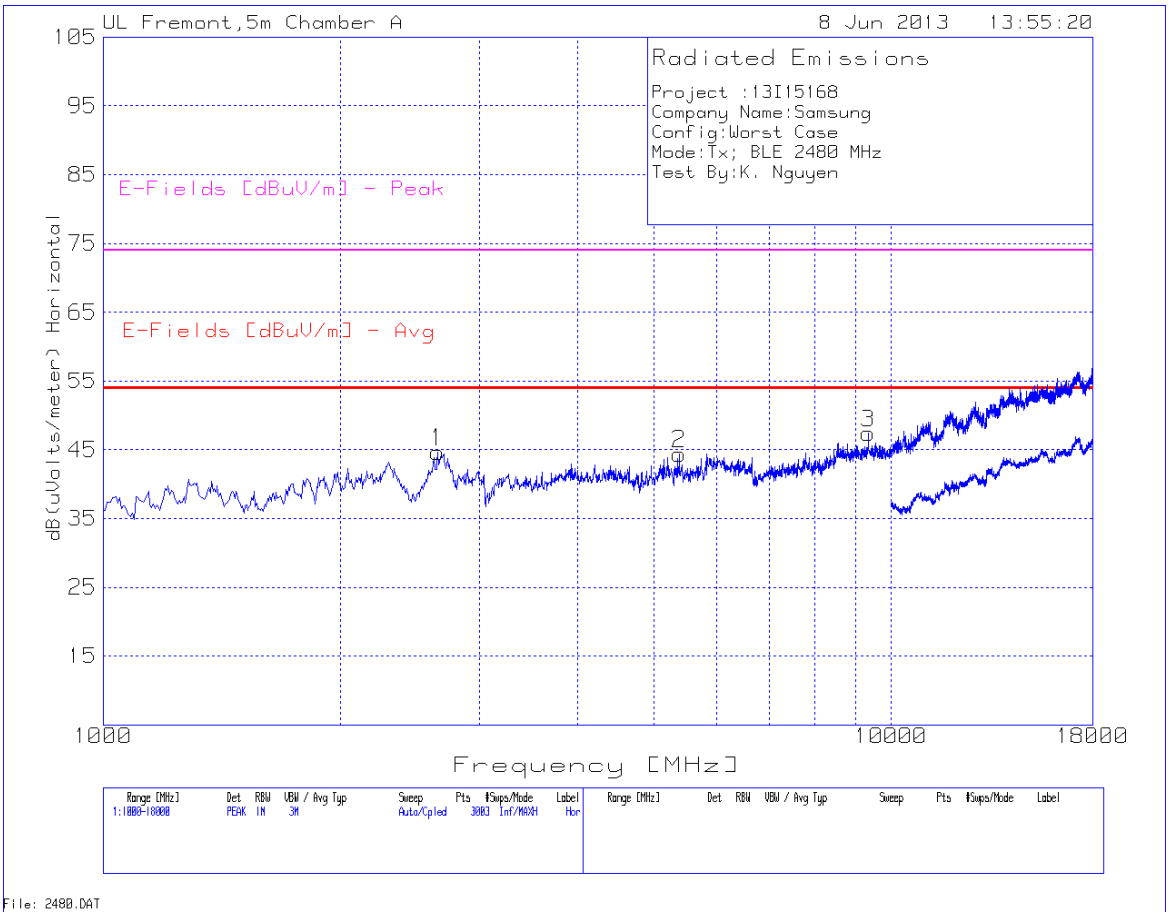
Horizontal 1000 - 18000MHz

Marker No.	Test Frequency	Meter Reading (dBuV)	Detector	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T160 BRF [dB]	DC Corr [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
1	2670.553	42.62	PK	32.7	-36.8	4.7	0.9	0	44.12	53.97	-9.85	74	-29.88	100	Horz
2	6153.231	36.6	PK	35.4	-35.6	7.8	0.2	0	44.4	53.97	-9.57	74	-29.6	100	Horz
3	8593.937	35.97	PK	35.7	-36	9.6	0.3	0	45.57	53.97	-8.4	74	-28.43	200	Horz

Vertical 1000 - 18000MHz

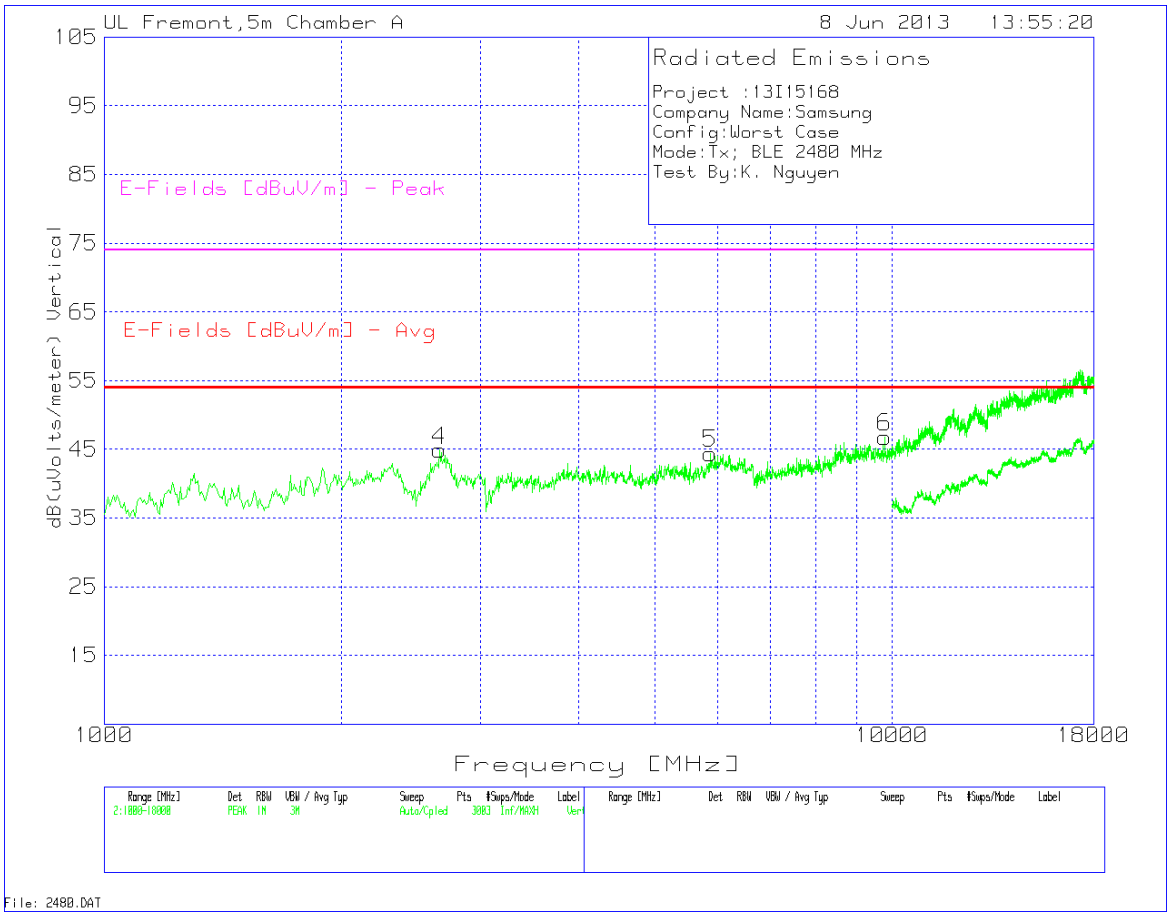
Marker No.	Test Frequency	Meter Reading (dBuV)	Detector	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T160 BRF [dB]	DC Corr [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
4	2438.374	42.41	PK	32.3	-36.9	4.5	0.9	0	43.21	53.97	-10.76	74	-30.79	100	Vert
5	3304.797	40.16	PK	32.9	-36.5	5.4	0.6	0	42.56	53.97	-11.41	74	-31.44	200	Vert
6	6481.679	36.85	PK	35.5	-35.6	8.1	0.2	0	45.05	53.97	-8.92	74	-28.95	100	Vert

HIGH CHANNEL HORIZONTAL



Second line shown below original line from 1GHz to 18GHz is an average measurement, showing that no noise is present.

HIGH CHANNEL VERTICAL



Second line shown below original line from 1GHz to 18GHz is an average measurement, showing that no noise is present.

HIGH CHANNEL HORIZONTAL AND VERTICAL DATA

Project :13I15168
Company Name:Samsung
Config:Worst Case
Mode:Tx; BLE 2480 MHz
Test By:K. Nguyen

Trace Markers

Horizontal 1000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
1	2659.227	43.18	PK	32.7	-36.8	4.7	0.9	44.68	53.97	-9.29	74	-29.32	100	Horz
2	5383.078	38.13	PK	34.4	-35.5	7.2	0.2	44.43	53.97	-9.54	74	-29.57	200	Horz
3	9347.102	36.77	PK	36.3	-36.2	10	0.5	47.37	53.97	-6.6	74	-26.63	200	Horz

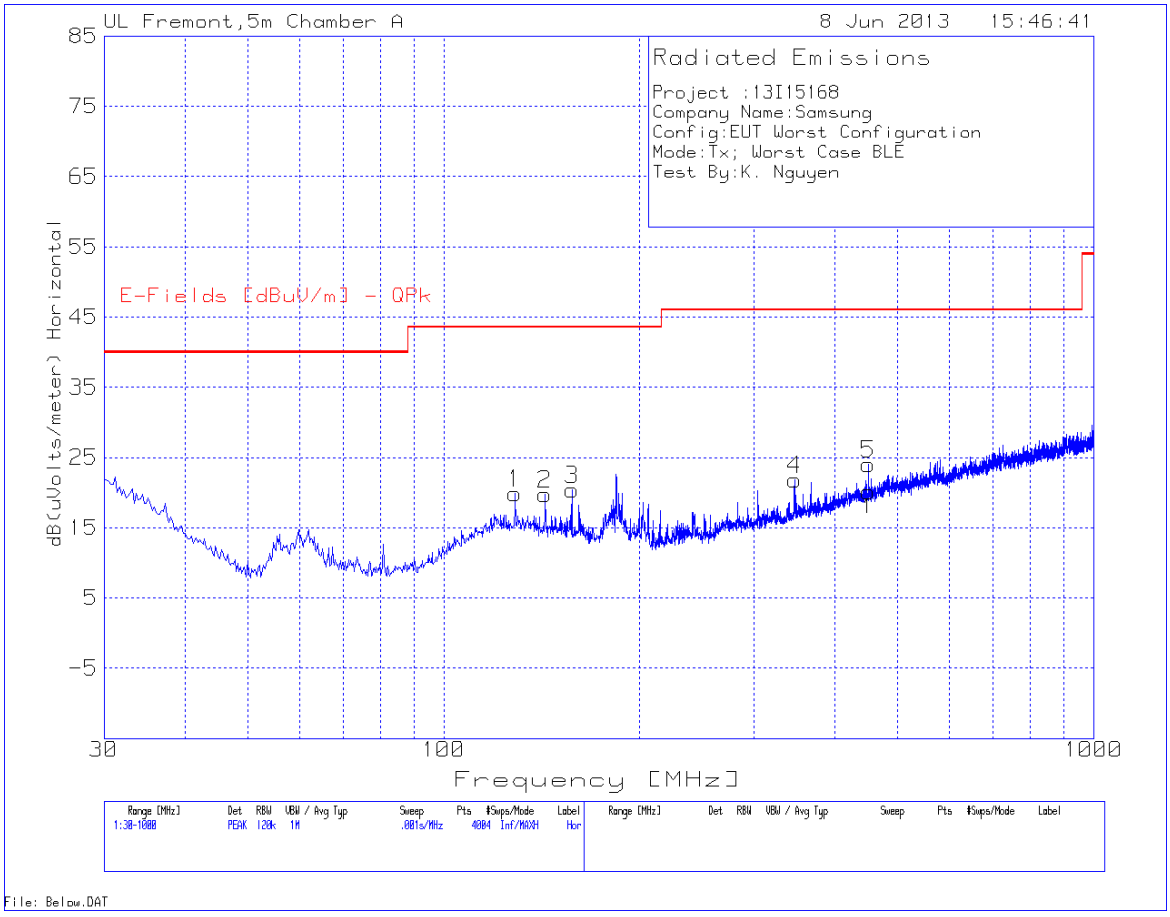
Vertical 1000 - 18000MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T136 Ant Factor [dB/m]	T144 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields Limit [dBuV/m] - Avg	Average Margin (dB)	E-Fields Limit [dBuV/m] - Peak	Peak Margin (dB)	Height (cm)	Polarity
4	2664.89	43.35	PK	32.7	-36.8	4.7	0.9	44.85	53.97	-9.12	74	-29.15	100	Vert
5	5875.75	37.16	PK	35	-35.6	7.6	0.2	44.36	53.97	-9.61	74	-29.64	200	Vert
6	9783.145	35.37	PK	36.9	-36.3	10.3	0.5	46.77	53.97	-7.2	74	-27.23	200	Vert

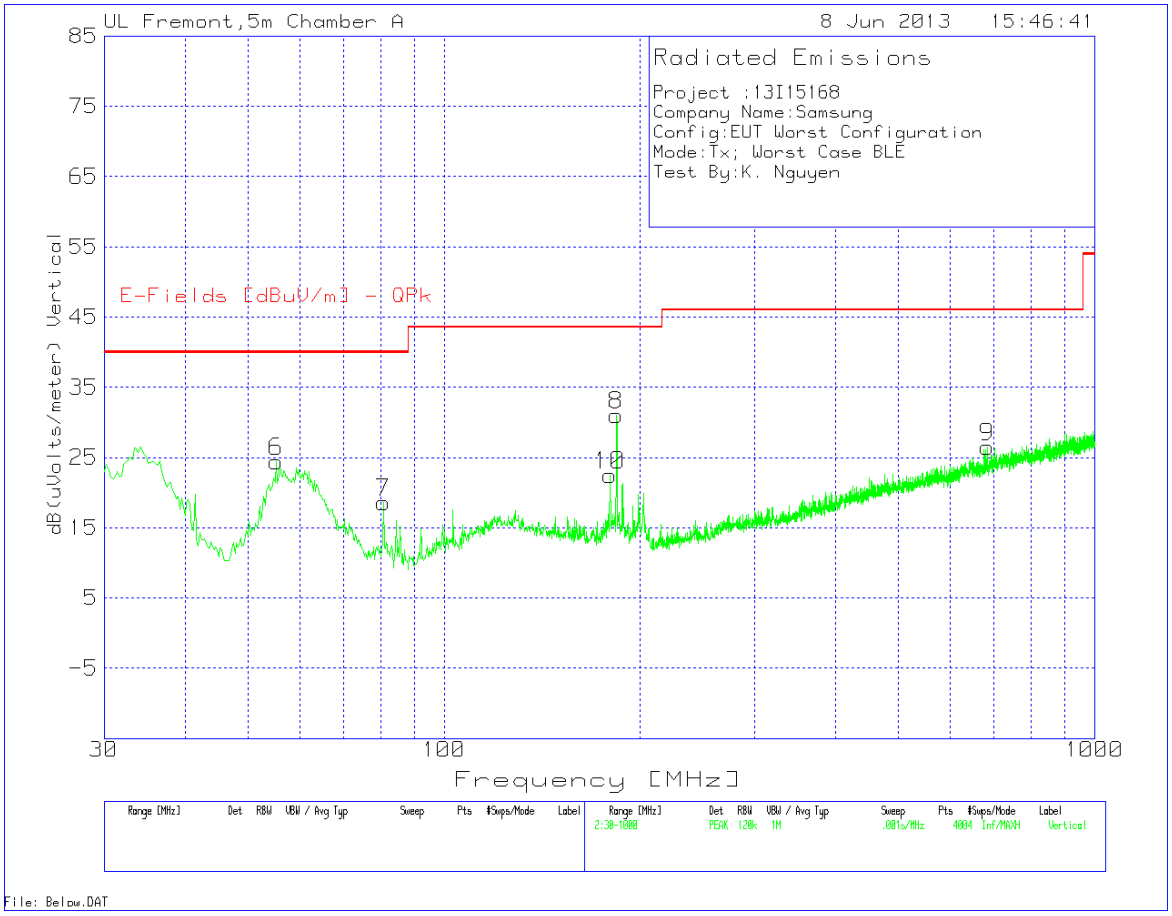
8.1. WORST-CASE BELOW 1 GHz

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

HORIZONTAL PLOT



VERTICAL PLOT



HORIZONTAL AND VERTICAL DATA

Project :13I15168
Company Name:Samsung
Config:EUT Worst Configuration
Mode:Tx; Worst Case BLE
Test By:K. Nguyen

Trace Markers

Horizontal 30 - 1000MHz

Marker No.	Frequency (MHz)	Meter Reading (dBuV)	Detector	Antenna Factor dB/m	preamp/ cable loss [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - QPk	Margin (dB)	Height [cm]	Polarity
1	128.8659	32.6	PK	14.1	-26.8	19.9	43.52	-23.62	100	Horz
2	143.1626	33.64	PK	12.8	-26.7	19.74	43.52	-23.78	100	Horz
3	157.4594	34.85	PK	12.2	-26.6	20.45	43.52	-23.07	100	Horz
4	346.4676	33.1	PK	14.2	-25.5	21.8	46.02	-24.22	100	Horz
5	449.9375	32.42	PK	16.8	-25.2	24.02	46.02	-22	100	Horz

Vertical 30 - 1000MHz

Marker No.	Test Frequency	Meter Reading (dBuV)	Detector	Antenna Factor dB/m	preamp/ cable loss [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - QPk	Margin (dB)	Height [cm]	Polarity
6	55.2011	45.05	PK	6.8	-27.4	24.45	40	-15.55	100	Vert
7	80.6445	38.21	PK	7.6	-27.2	18.61	40	-21.39	100	Vert
8	184.1144	46.53	PK	10.9	-26.4	31.03	43.52	-12.49	100	Vert
9	684.017	29.87	PK	19.9	-23.3	26.47	46.02	-19.55	100	Vert
10	179.995	38.03	PK	10.9	-26.4	22.53	43.52	-20.99	100	Vert

9. 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

6 WORST EMISSIONS

Project No:13I15168
Client Name:Samsung
Model/Device:GT-S7273T
Test Volt/Freq:120VAC/60Hz
Test By:Chris Xiong

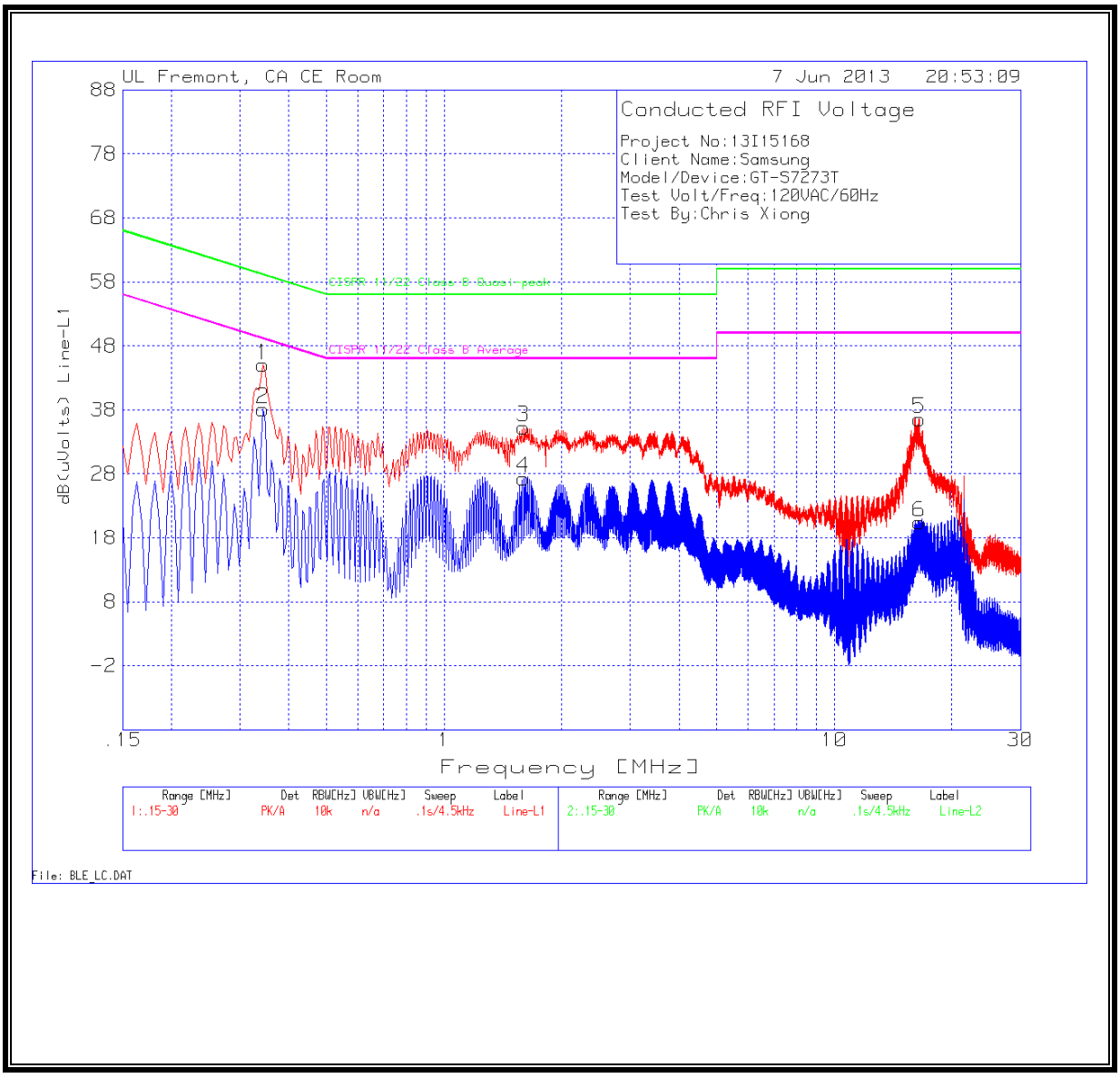
Line-L1 .15 - 30MHz

Test Frequency	Meter Reading	Detector	T24 IL L1.TXT (dB)	LC Cables 1&3.TXT (dB)	dB(uVolts)	CISPR 11/22 Class B Quasi-peak	Margin	CISPR 11/22 Class B Average	Margin
0.3435	44.9	PK	0.1	0	45	59.1	-14.1	-	-
0.3435	38	Av	0.1	0	38.1	-	-	49.1	-11
1.599	35.05	PK	0.1	0.1	35.25	56	-20.75	-	-
1.599	27.11	Av	0.1	0.1	27.31	-	-	46	-18.69
16.476	36.2	PK	0.2	0.2	36.6	60	-23.4	-	-
16.476	19.98	Av	0.2	0.2	20.38	-	-	50	-29.62

Line-L2 .15 - 30MHz

Test Frequency	Meter Reading	Detector	T24 IL L2.TXT (dB)	LC Cables 2&3.TXT (dB)	dB(uVolts)	CISPR 11/22 Class B Quasi-peak	Margin	CISPR 11/22 Class B Average	Margin
0.3435	43.09	PK	0.1	0	43.19	59.1	-15.91	-	-
0.3435	35.29	Av	0.1	0	35.39	-	-	49.1	-13.71
2.4	34.99	PK	0.1	0.1	35.19	56	-20.81	-	-
2.4	23.84	Av	0.1	0.1	24.04	-	-	46	-21.96
16.512	28.01	PK	0.2	0.2	28.41	60	-31.59	-	-
16.512	14.3	Av	0.2	0.2	14.7	-	-	50	-35.3

LINE 1 RESULTS



LINE 2 RESULTS