



FCC 47 CFR PART 15 SUBPART C

**CERTIFICATION TEST REPORT
FOR**

WCDMA/LTE Phablet + Bluetooth, WLAN DTS/UNII a/b/g/n, ANT+ and NFC

MODEL NUMBER: SM-T365Y

FCC ID: A3LSMT365Y

REPORT NUMBER: 14U19505-E2

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Prepared for

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TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS.....	5
2. TEST METHODOLOGY	6
3. FACILITIES AND ACCREDITATION.....	6
4. CALIBRATION AND UNCERTAINTY	6
4.1. MEASURING INSTRUMENT CALIBRATION	6
4.2. SAMPLE CALCULATION.....	6
4.3. MEASUREMENT UNCERTAINTY	6
5. EQUIPMENT UNDER TEST	7
5.1. DESCRIPTION OF EUT.....	7
5.2. MAXIMUM OUTPUT POWER.....	7
5.3. DESCRIPTION OF AVAILABLE ANTENNAS	7
5.4. WORST-CASE CONFIGURATION AND MODE.....	7
5.5. DESCRIPTION OF TEST SETUP.....	8
6. TEST AND MEASUREMENT EQUIPMENT	10
7. SUMMARY TABLE	11
8. ANTENNA PORT TEST RESULTS	12
8.1. 20 dB AND 99% BANDWIDTH.....	12
8.1.1. BASIC DATA RATE GFSK MODULATION.....	12
8.1.2. ENHANCED DATA RATE 8PSK MODULATION	12
20 dB AND 99% BANDWIDTH PLOTS	13
8.2. HOPPING FREQUENCY SEPARATION	25
8.3. NUMBER OF HOPPING CHANNELS.....	27
8.4. AVERAGE TIME OF OCCUPANCY.....	32
8.5. OUTPUT POWER	39
8.5.1. BASIC DATA RATE GFSK MODULATION.....	39
8.5.2. ENHANCED DATA RATE 8PSK MODULATION	39
8.5.3. OUTPUT POWER PLOTS	40
8.6. AVERAGE POWER.....	46
8.6.1. BASIC DATA RATE GFSK MODULATION.....	46
8.6.2. DATA RATE PI/4-DQPSK MODULATION	46
8.6.3. ENHANCED DATA RATE 8PSK MODULATION	47
8.7. CONDUCTED SPURIOUS EMISSIONS.....	48
8.7.1. BASIC DATA RATE GFSK MODULATION.....	49
ENHANCED DATA RATE 8PSK MODULATION	57
9. RADIATED TEST RESULTS	65
9.1. LIMITS AND PROCEDURE	65

9.2.	TRANSMITTER ABOVE 1 GHz	66
9.2.1.	BASIC DATA RATE GFSK MODULATION.....	66
9.2.2.	ENHANCED DATA RATE 8PSK MODULATION	79
9.3.	WORST-CASE BELOW 1 GHz	92
10.	AC POWER LINE CONDUCTED EMISSIONS	95
11.	SETUP PHOTOS	98
	END OF REPORT	103

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.

EUT DESCRIPTION: WCDMA/LTE Phablet + Bluetooth, WLAN DTS/UNII a/b/g/n, ANT+ and NFC

MODEL: SM-T365Y

SERIAL NUMBER: 1934661 (Radiated) and 1934663(Conducted)

DATE TESTED: AUGUST 8-19, 2014

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

UL Verification Services Inc. 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 Verification Services Inc. 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 Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. 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.

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4-2009, FCC CFR 47 Part 2, FCC CFR 47 Part 15.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

47173 Benicia Street	47266 Benicia Street
☐ Chamber A	☐ Chamber D
☐ Chamber B	☐ Chamber E
☒ Chamber C	☐ Chamber F
	☒ Chamber G

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at <http://ts.nist.gov/standards/scopes/2000650.htm>.

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:

$$\begin{aligned}\text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamp Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m}\end{aligned}$$

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 26000 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 WCDMA/LTE Phablet + Bluetooth & WLAN DTS/UNII a/b/g/n + ANT+ and NFC

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	Basic GFSK	7.46	5.57
2402 - 2480	Enhanced 8PSK	8.71	7.43

Note: GFSK, Pi/4-DQPSK, 8PSK average Power are all investigated, The GFSK & 8PSK Power are the worst case. Testing is based on this mode to showing compliance. For average power data please refer to section 8.6.

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FPCB antenna, with a maximum gain of -0.81 dBi.

5.4. 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 X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in X orientation.

Both standalone and with back cover configuration investigated through preliminary scanning and final measurement based on worst case configuration with EUT standalone with.

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	SAMSUNG	EP-TA10EWE	N/A	N/A
Earphone	SAMSUNG	N/A	N/A	N/A
Back cover with touch pen	SAMSUNG	N/A	N/A	N/A

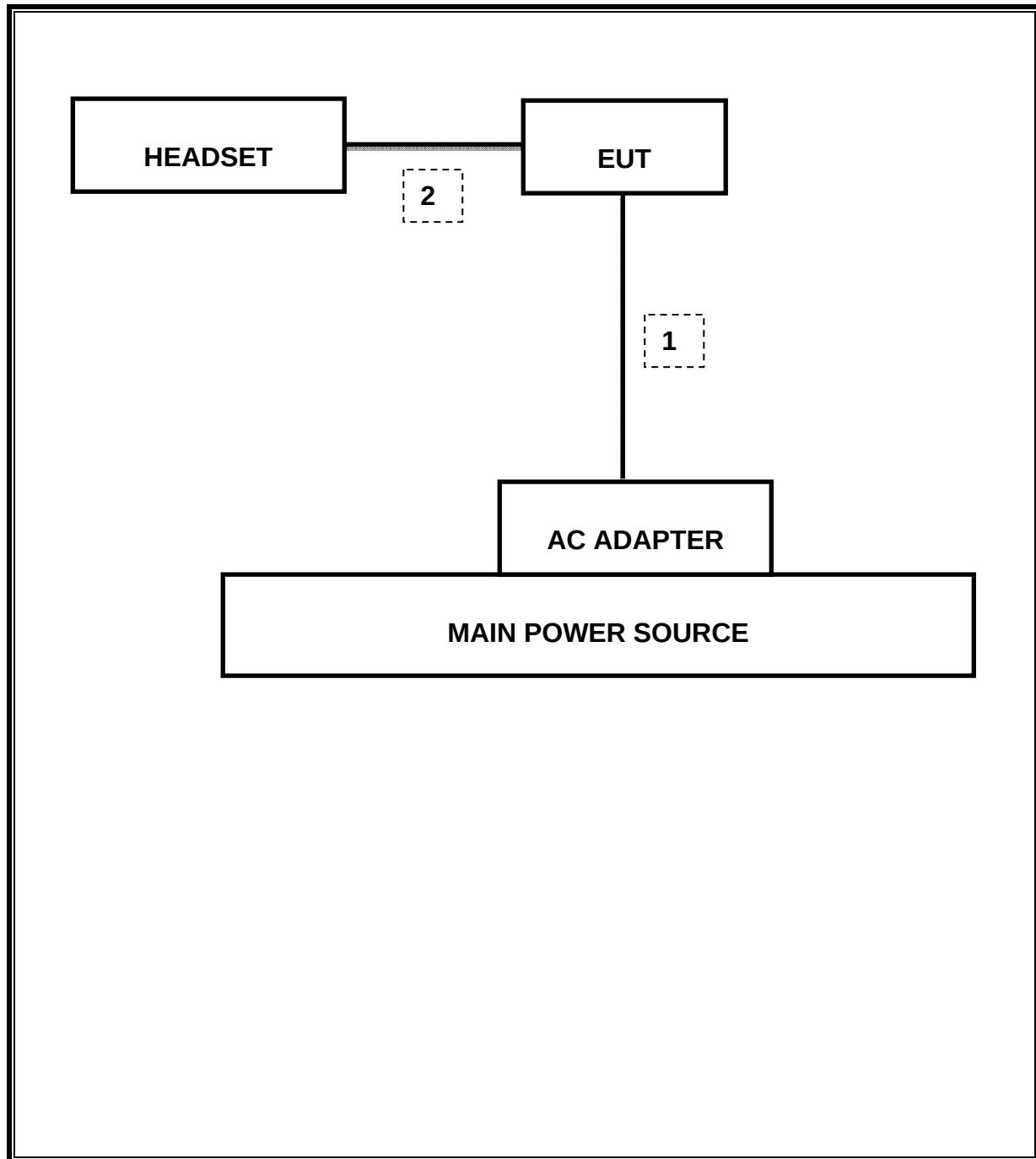
I/O CABLES

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	Mini-USB	Shielded	1.2m	N/A
2	Audio	1	Mini-Jack	Unshielded	1m	N/A

TEST SETUP

The EUT is continuously communicating to the Bluetooth tester during the tests.
EUT was set in the Hidden menu mode to enable BT communications.

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
Antenna, Biconolog, 30MHz-1 GHz	Sunol Sciences	JB1	C01171	02/13/15
Antenna, Horn, 18GHz	EMCO	3115	C00783	10/25/15
Antenna, Horn, 26.5 GHz	ARA	MWH-1826/B	C00980	11/14/14
Preamplifier, 1300 MHz	Agilent / HP	8447D	C00580	01/28/15
Preamplifier, 26.5 GHz	Agilent / HP	8449B	C01052	10/22/15
Spectrum Analyzer, 44 GHz	Agilent / HP	E4446A	C01069	12/20/14
CBT Bluetooth Tester	R & S	CBT	None	07/12/15
Peak Power Meter	Agilent / HP	E4416A	C00963	12/13/14
Peak / Average Power Sensor	Agilent / HP	E9327A	C00964	12/13/14
LISN, 30 MHz	FCC	50/250-25-2	C00626	01/14/15
Reject Filter, 2.4GHz	Micro-Tronics	BRM50702	N02684	CNR
Peak Power Meter	Agilent / HP	E4416A	C00963	12/13/14
Peak / Average Power Sensor	Agilent / HP	E9327A	C00964	12/13/14
NOTE: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NIST USA.				

7. SUMMARY TABLE

The model FCC ID: A3LSMT365Y shares the same enclosure and circuit board as mode FCC ID: A3LSMT365. The WLAN/Bluetooth/NFC/ANT+ circuitry and layout, including antenna, are almost identical between the two units. The WLAN/Bluetooth antenna and surrounding circuitry is the same between these two units.

After confirming through preliminary radiated emissions that the performance of the A3LSMT365 BT remains representative of this model (FCC ID: A3LSMT365Y) test data for FCC ID: A3LSMT365 is being submitted for this application.

Radiated emissions were fully re-evaluated against FCC Part 15B requirements for digital devices and results indicated no significant differences between the two versions.

FCC Part Section	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Worst Case
2.1049	RSS-GEN 4.6	Occupied Band width (99%)	N/A	Conducted	Pass	1.197MHz
2.1051, 15.247 (d)	RSS-210 A8.5	Band Edge / Conducted Spurious Emission	-20dBc		Pass	-43.4dBm
15.247 (b)(1)	RSS-210 A8.4	TX conducted output power	<21dBm		Pass	8.71dBm
15.247 (a)(1)	RSS-210 A8.1(b)	Hopping frequency separation	> 25KHz		Pass	1MHz
15.247 (a)(1)(iii)	RSS-210 A8.1(d)	Number of Hopping channels	More than 15 non-overlapping channels		Pass	79
15.247 (a)(1)(iii)	RSS-210 A8.1(d)	Avg Time of Occupancy	< 0.4sec		Pass	0.29sec
15.207 (a)	RSS-GEN 7.2.2	AC Power Line conducted emissions	Section 10	Radiated	Pass	50dBuV
15.205, 15.209	RSS-210 Clause 2.6, RSS-210 Clause 6	Radiated Spurious Emission	< 54dBuV/m		Pass	41.12dBuV/m

8. ANTENNA PORT TEST RESULTS

8.1. 20 dB AND 99% BANDWIDTH

LIMIT

None; for reporting purposes only.

TEST PROCEDURE

DA 00-705: The transmitter output is connected to a spectrum analyzer. The RBW is set to $\geq 1\%$ of the 20 dB bandwidth. The VBW is set to $\geq$ RBW. The sweep time is coupled.

RESULTS

8.1.1. BASIC DATA RATE GFSK MODULATION

Channel	Frequency (MHz)	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	2402	0.927	0.895
Middle	2441	0.928	0.845
High	2480	0.926	0.891
Worst		0.928	0.895

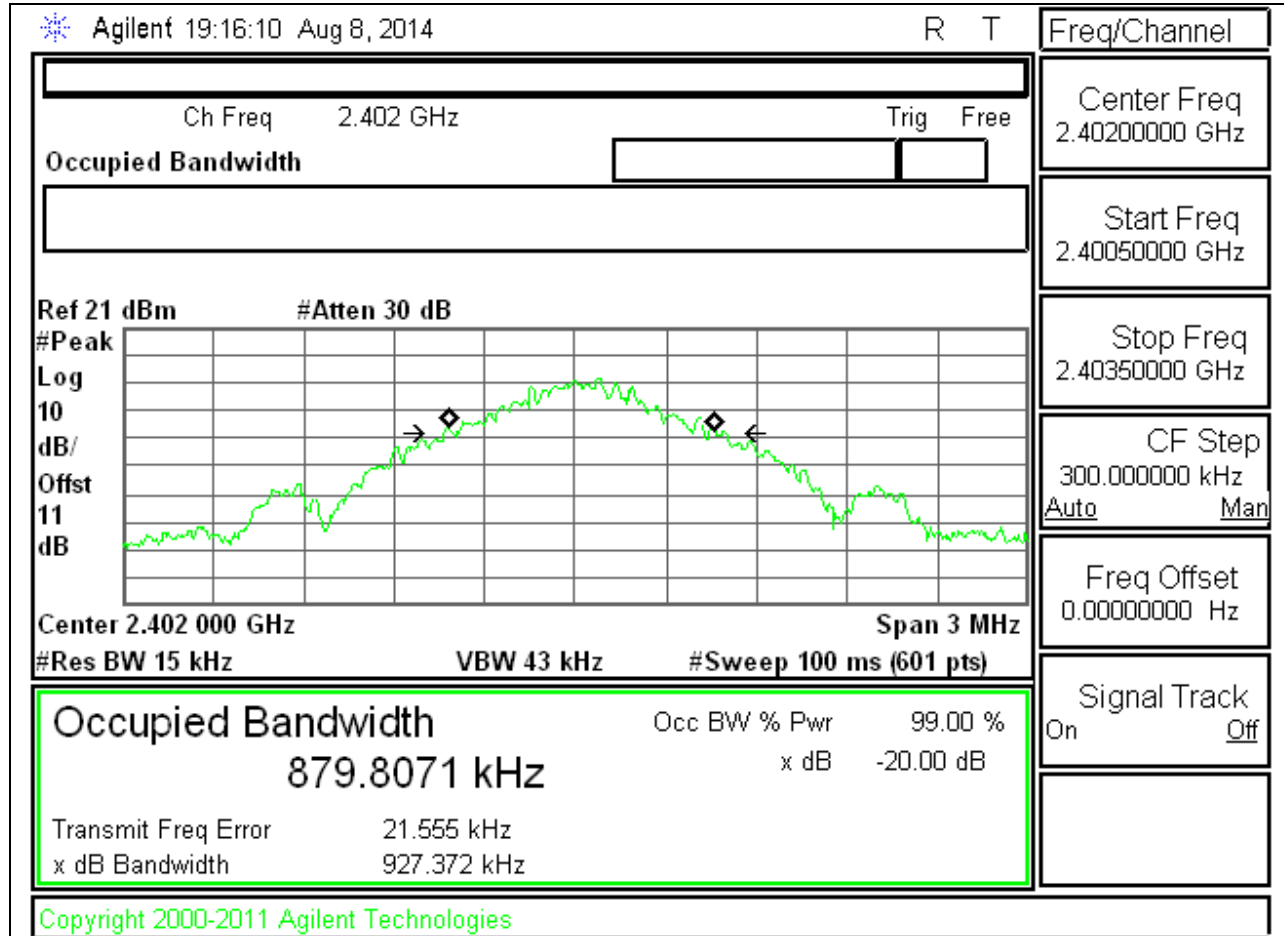
8.1.2. ENHANCED DATA RATE 8PSK MODULATION

Channel	Frequency (MHz)	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	2402	1.266	1.197
Middle	2441	1.266	1.171
High	2480	1.265	1.166
Worst		1.266	1.197

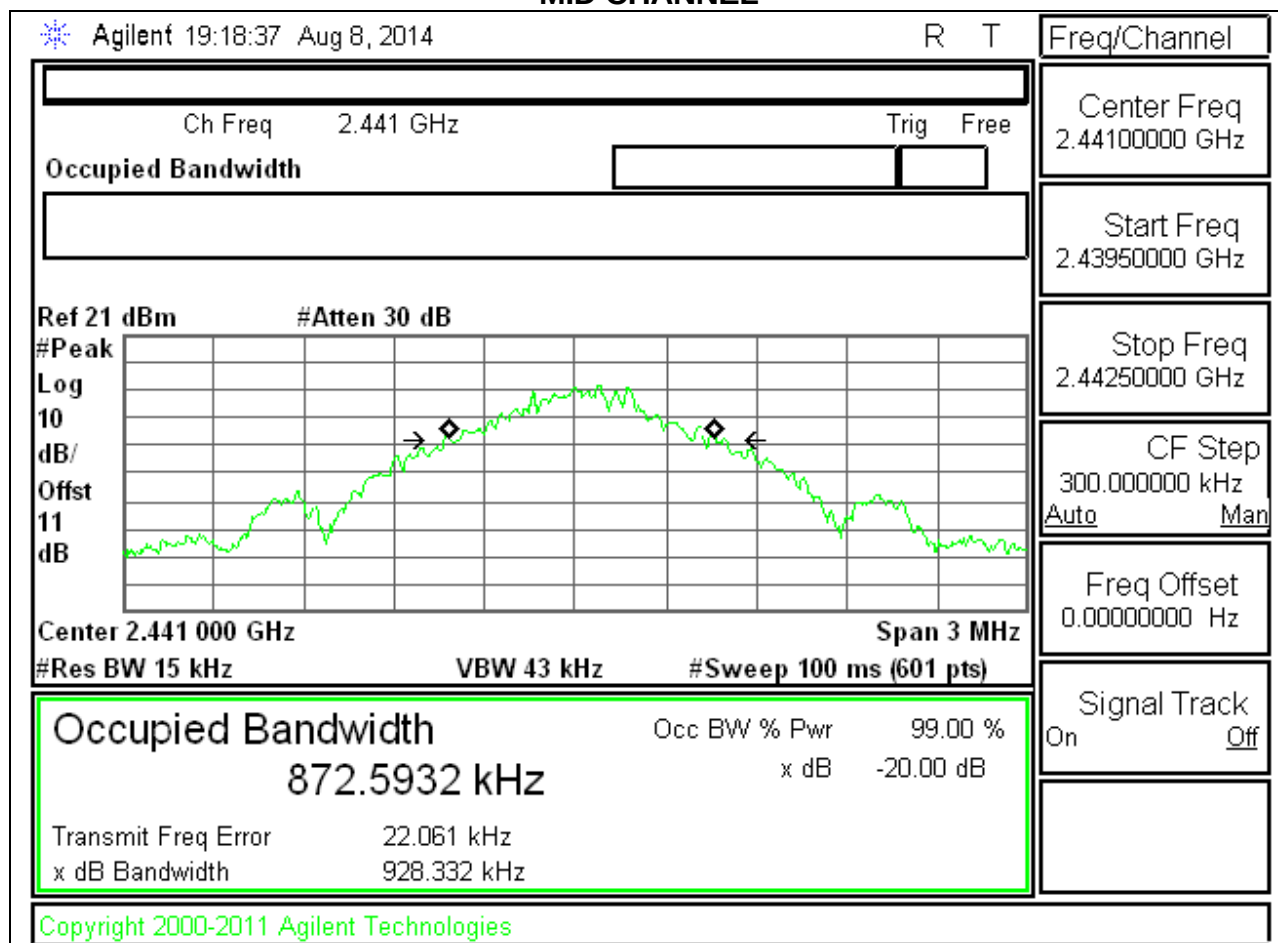
20 dB AND 99% BANDWIDTH PLOTS

GFSK 20 dB BANDWIDTH

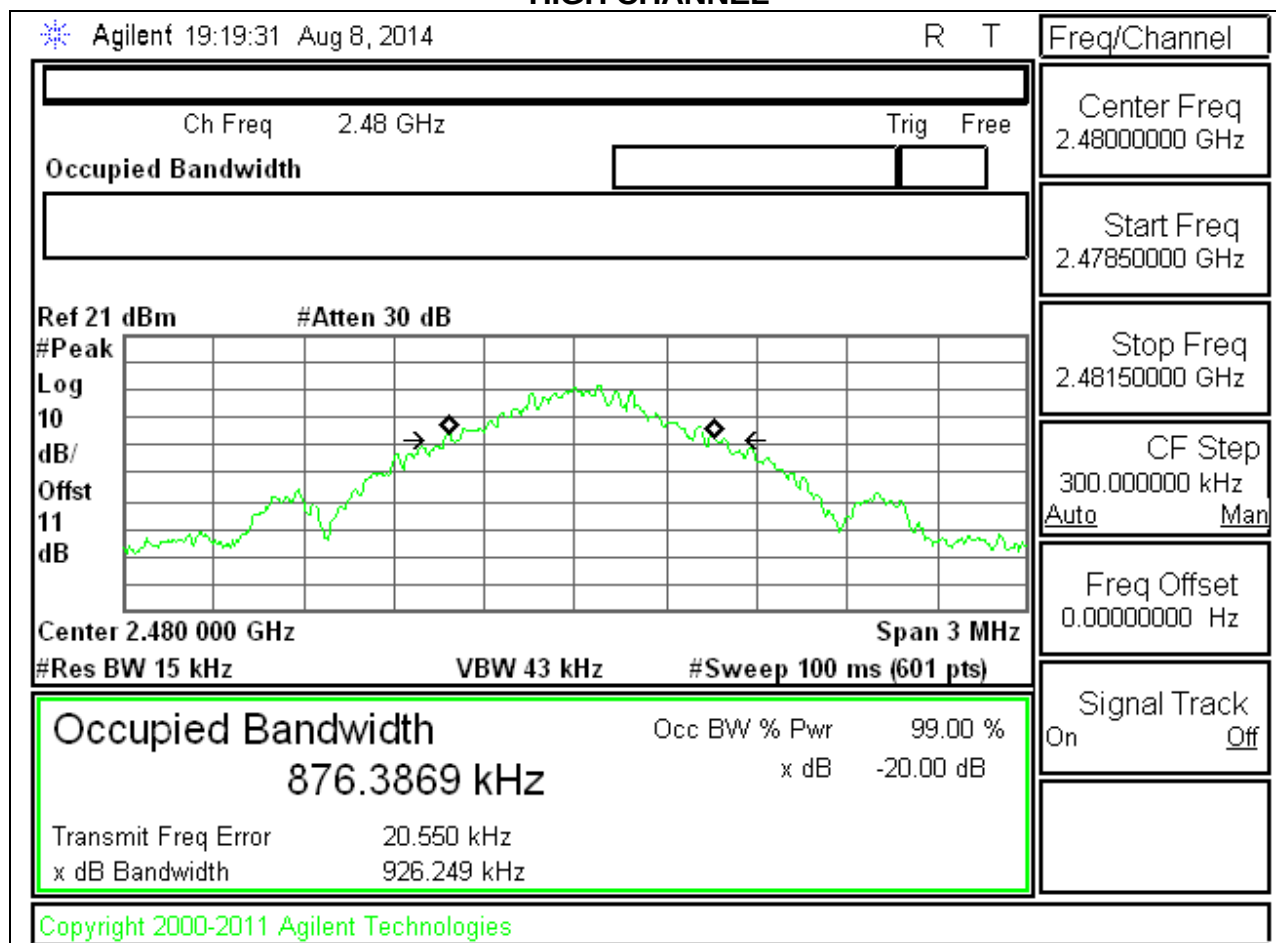
LOW CHANNEL



MID CHANNEL

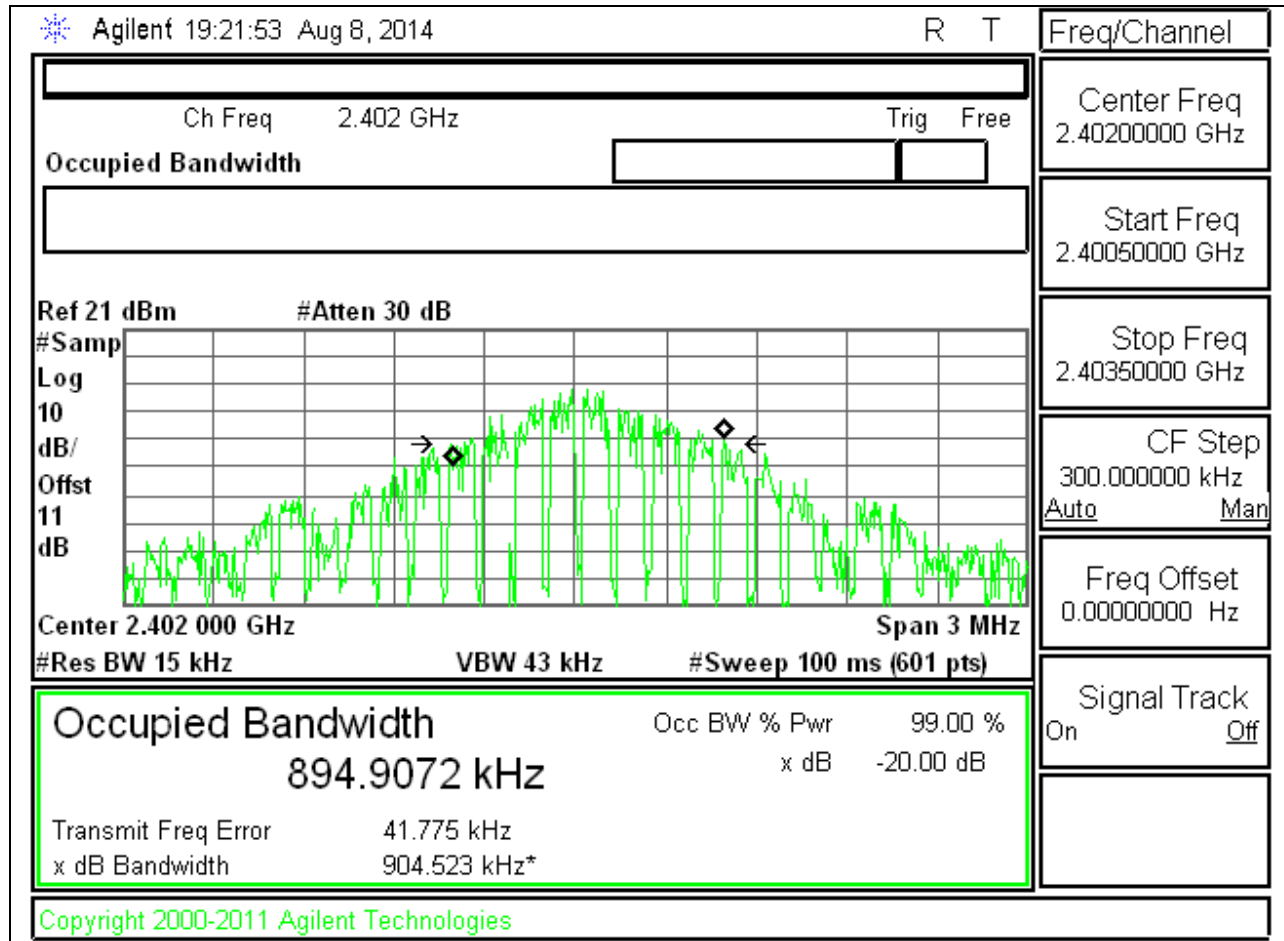


HIGH CHANNEL

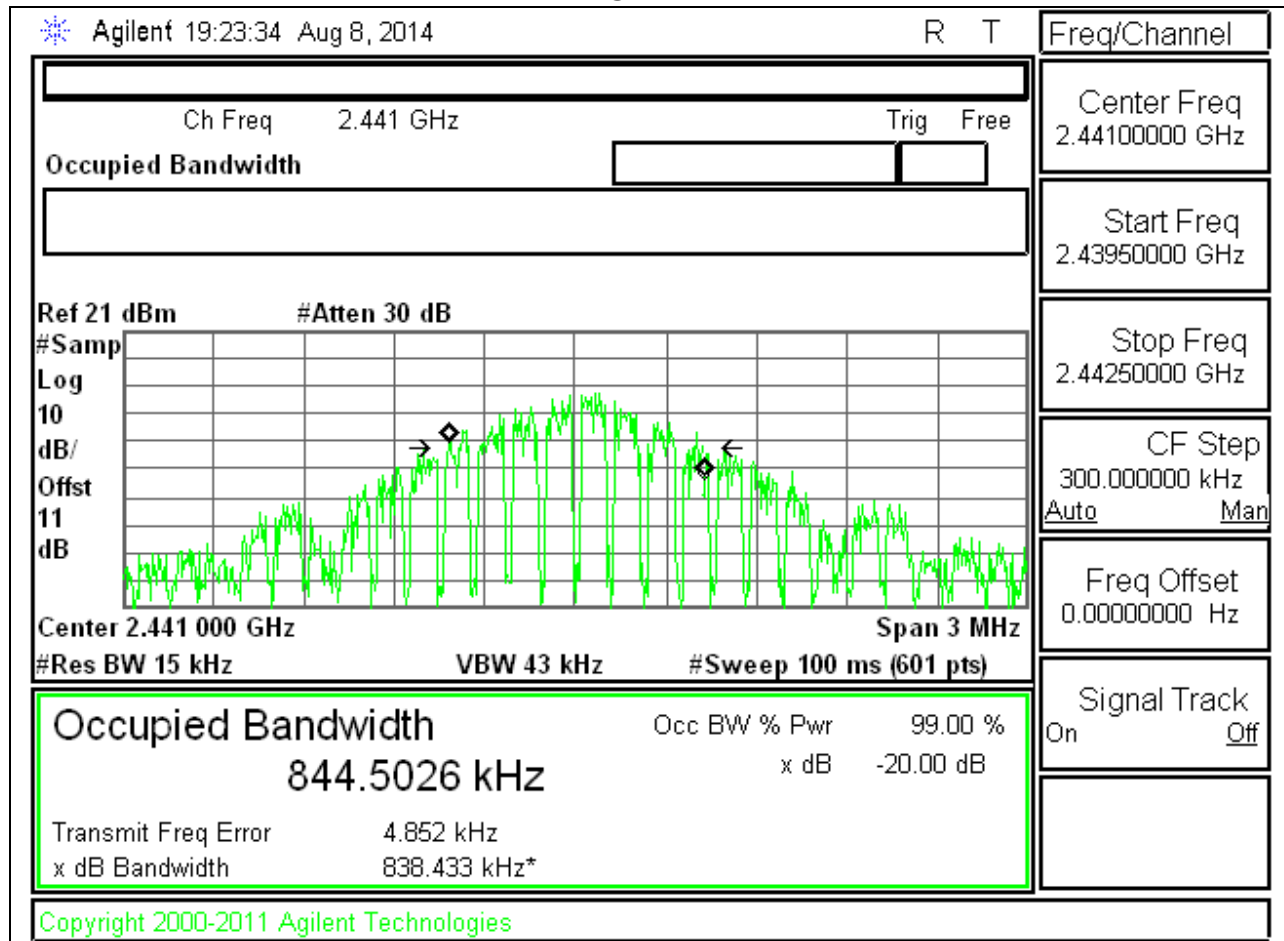


GFSK 99% BANDWIDTH

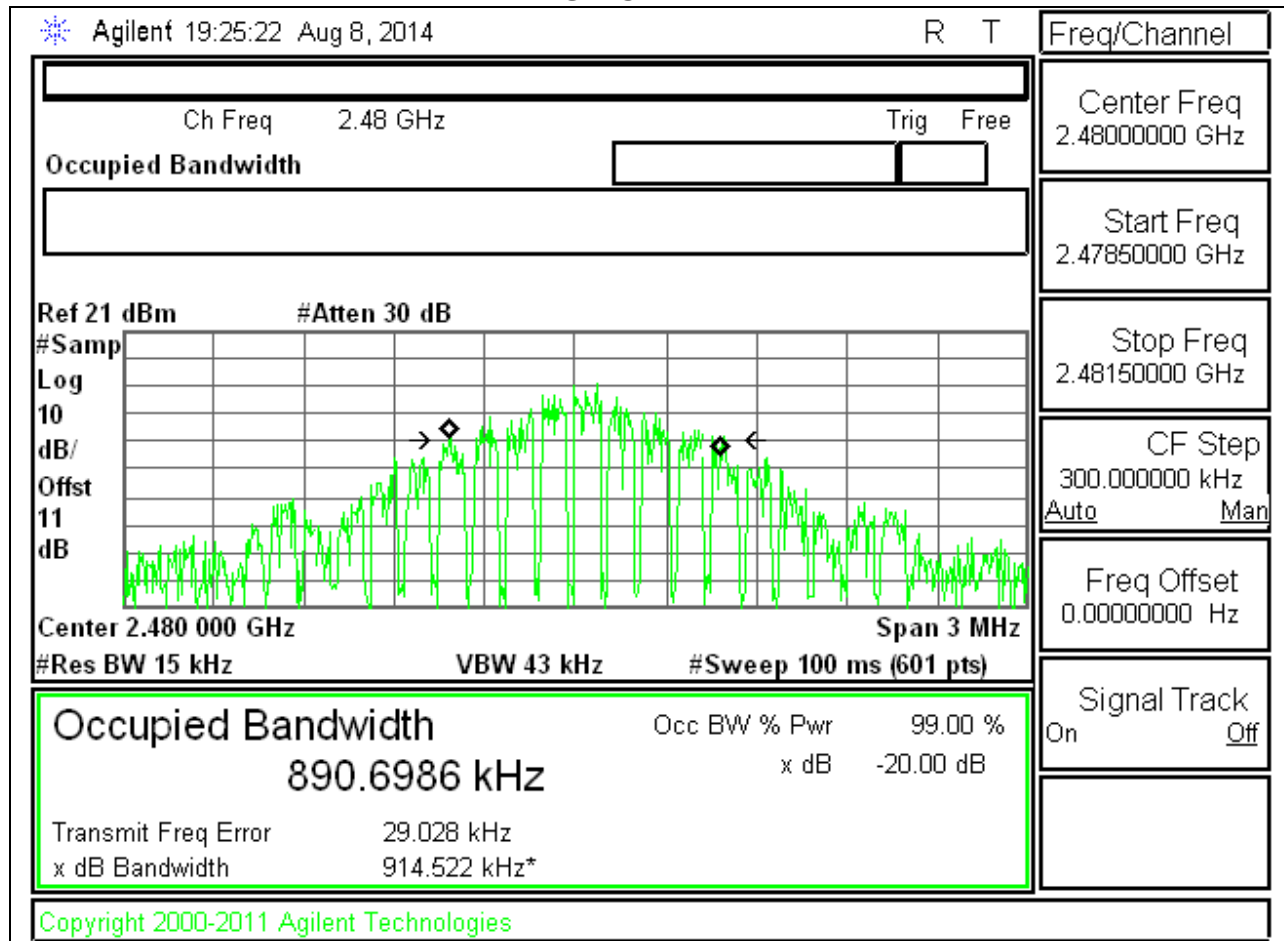
LOW CHANNEL



MID CHANNEL

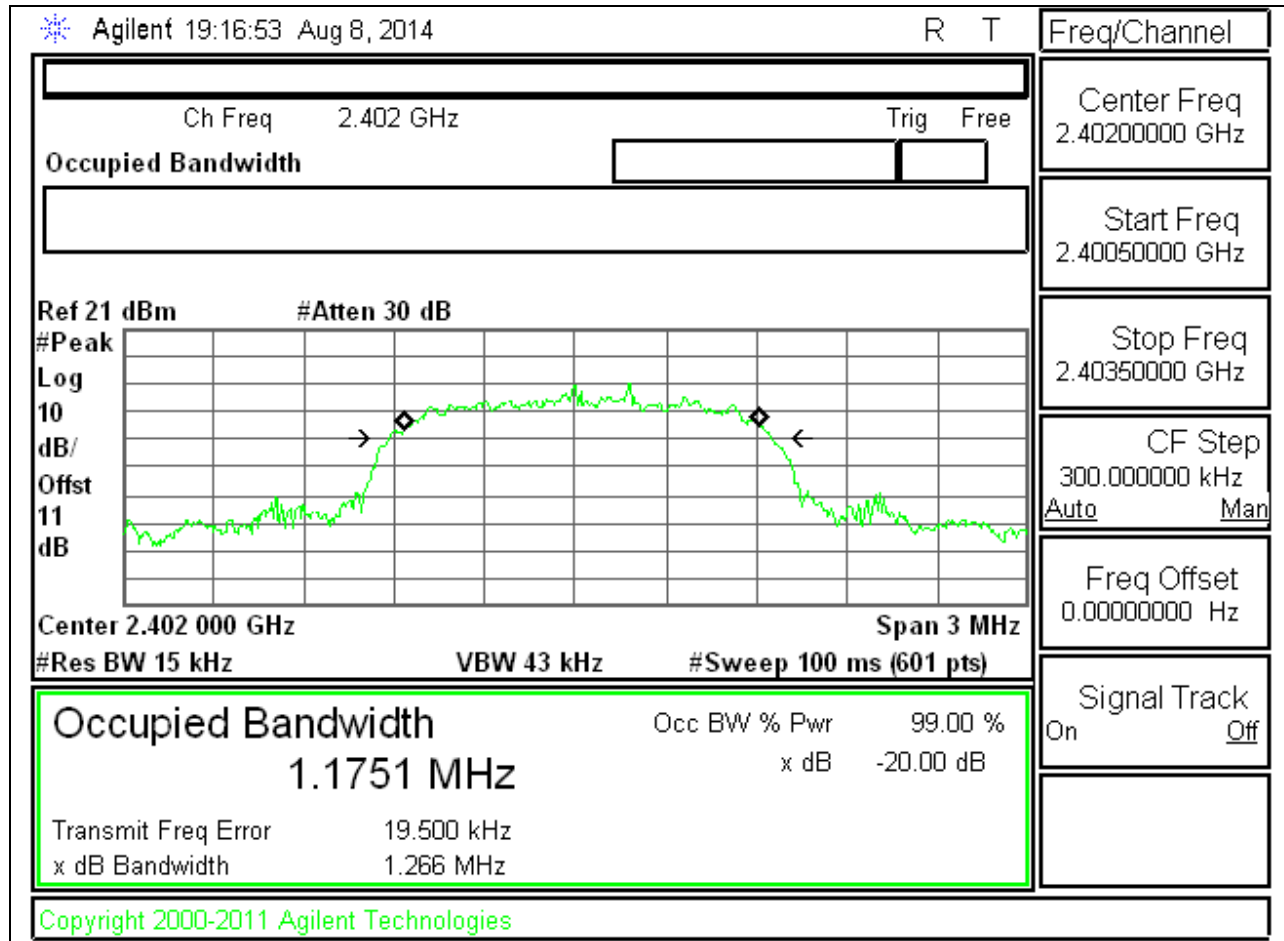


HIGH CHANNEL



8PSK 20 dB BANDWIDTH

LOW CHANNEL



MID CHANNEL

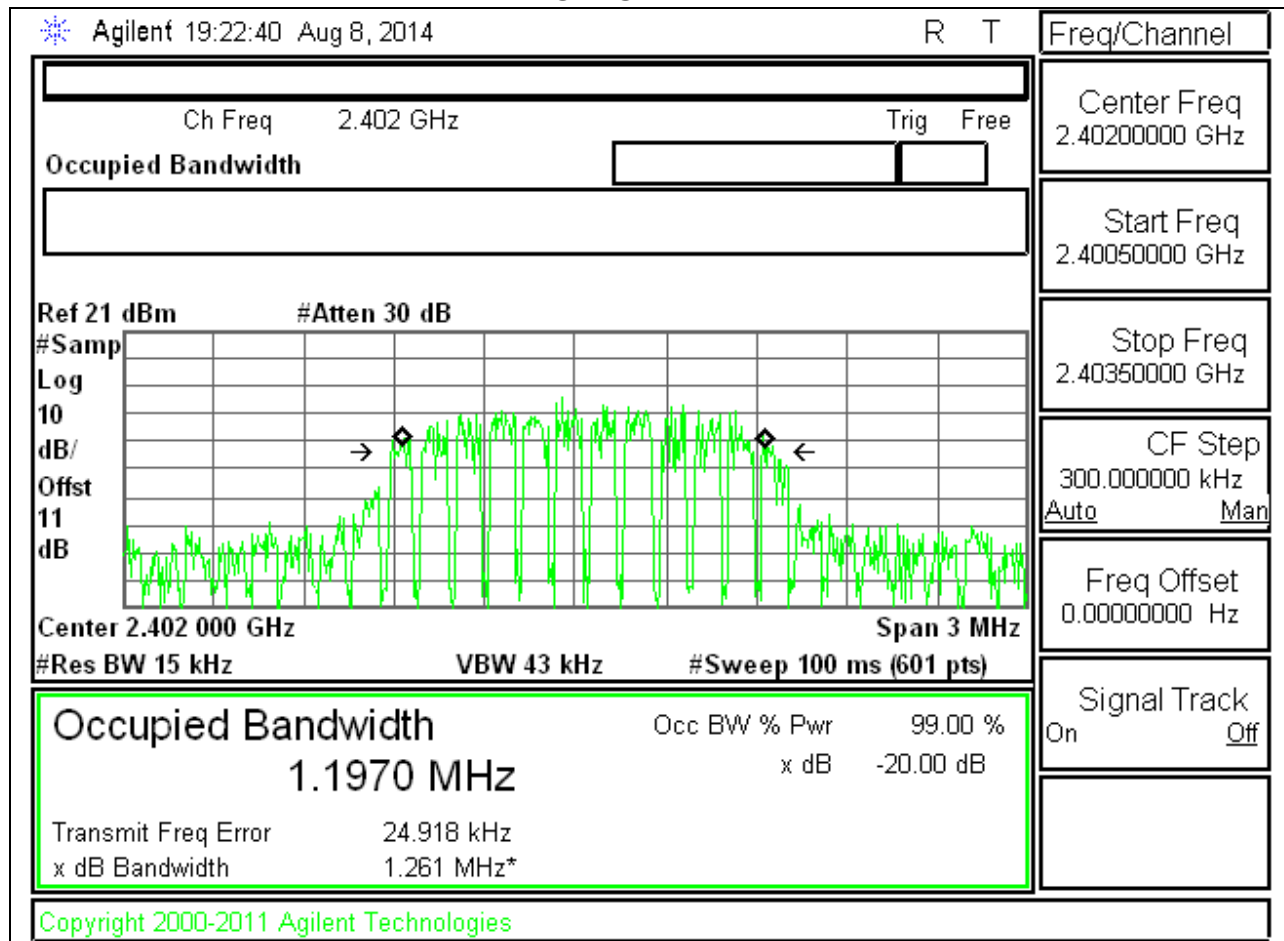
Agilent 19:17:36 Aug 8, 2014		R T		Freq/Channel	
Ch Freq 2.441 GHz				Center Freq 2.44100000 GHz	
Trig Free				Start Freq 2.43950000 GHz	
Occupied Bandwidth				Stop Freq 2.44250000 GHz	
Ref 21 dBm #Atten 30 dB				CF Step 300.000000 kHz Auto Man	
#Peak Log 10 dB/Offst 11 dB				Freq Offset 0.00000000 Hz	
				Signal Track On Off	
Center 2.441 000 GHz Span 3 MHz				Occ BW % Pwr 99.00 %	
#Res BW 15 kHz VBW 43 kHz #Sweep 100 ms (601 pts)				x dB -20.00 dB	
Occupied Bandwidth 1.1718 MHz				Transmit Freq Error 20.097 kHz	
x dB Bandwidth 1.266 MHz				Copyright 2000-2011 Agilent Technologies	

HIGH CHANNEL

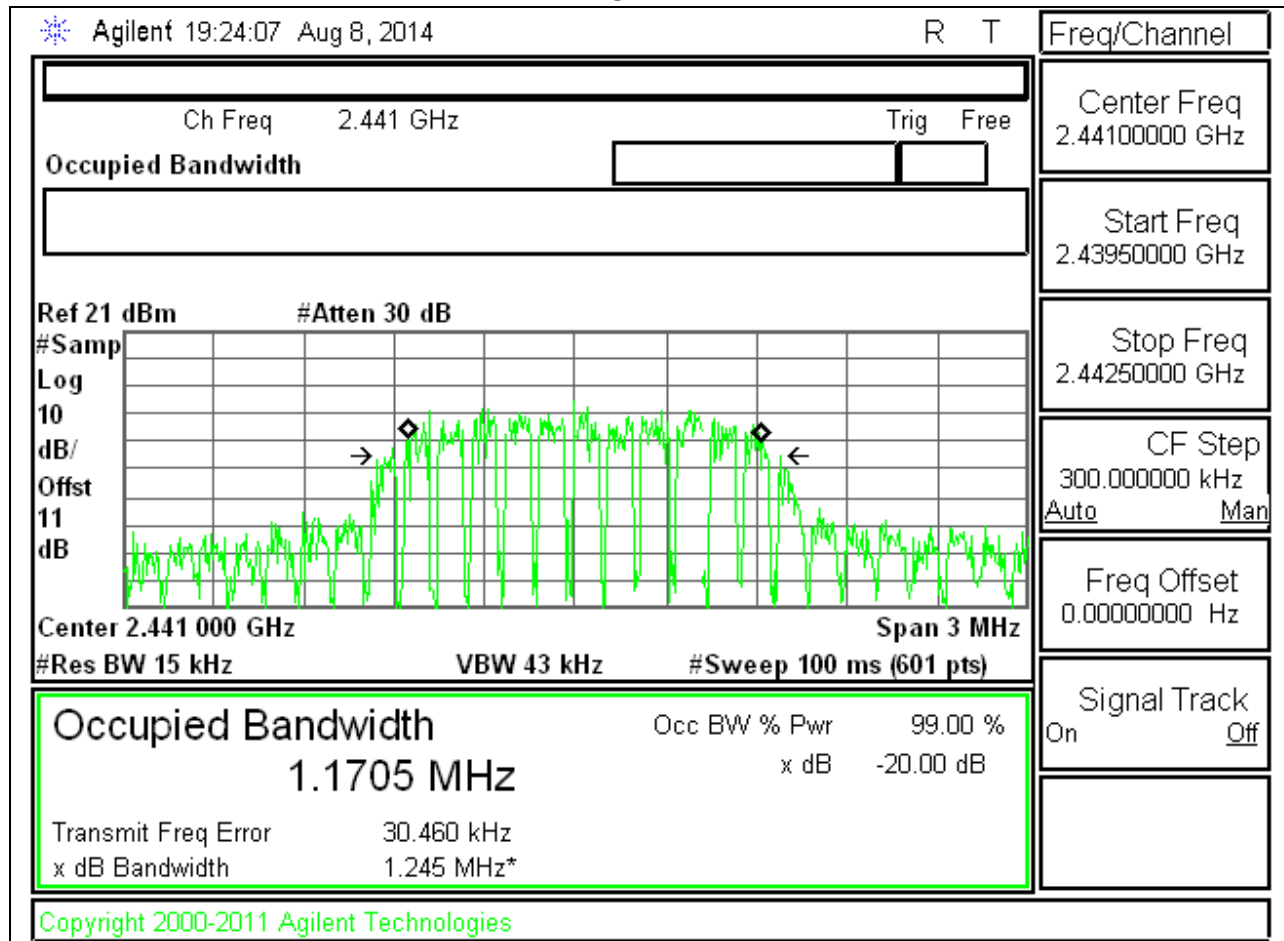
* Agilent 19:20:16 Aug 8, 2014		R	T	Freq/Channel	
Ch Freq 2.48 GHz		Trig Free		Center Freq 2.48000000 GHz	
Occupied Bandwidth				Start Freq 2.47850000 GHz	
				Stop Freq 2.48150000 GHz	
Ref 21 dBm #Atten 30 dB				CF Step 300.000000 kHz Auto Man	
#Peak					Freq Offset 0.00000000 Hz
Log					
10					
dB/					
Offst					
11	Center 2.480 000 GHz Span 3 MHz				Signal Track On Off
dB	#Res BW 15 kHz VBW 43 kHz #Sweep 100 ms (601 pts)				
Occupied Bandwidth		Occ BW % Pwr 99.00 %			
1.1724 MHz		x dB -20.00 dB			
Transmit Freq Error 18.490 kHz					
x dB Bandwidth 1.265 MHz					
Copyright 2000-2011 Agilent Technologies					

8PSK 99% BANDWIDTH

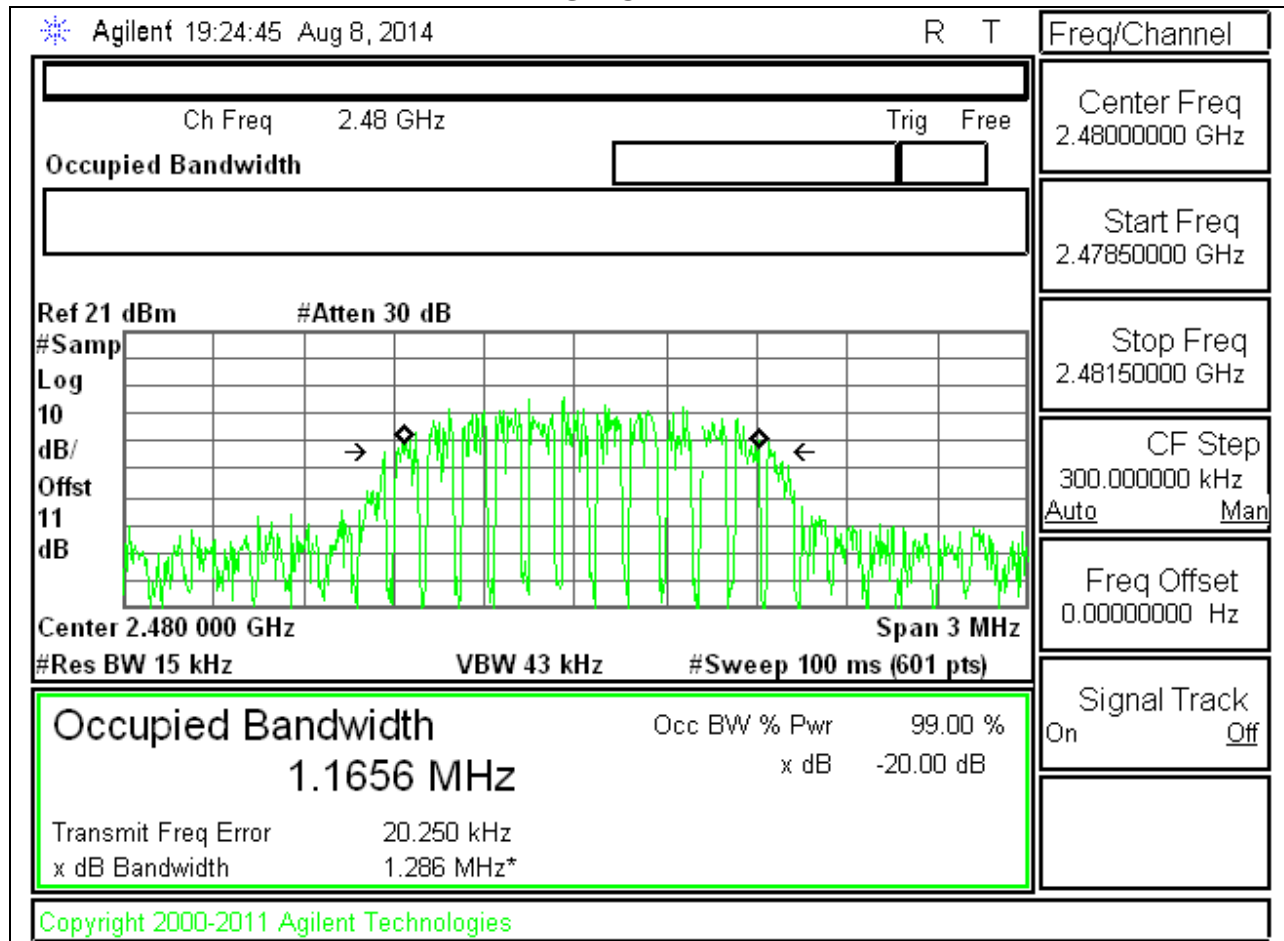
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



8.2. HOPPING FREQUENCY SEPARATION

LIMIT

FCC §15.247 (a) (1)

IC RSS-210 A8.1 (b)

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

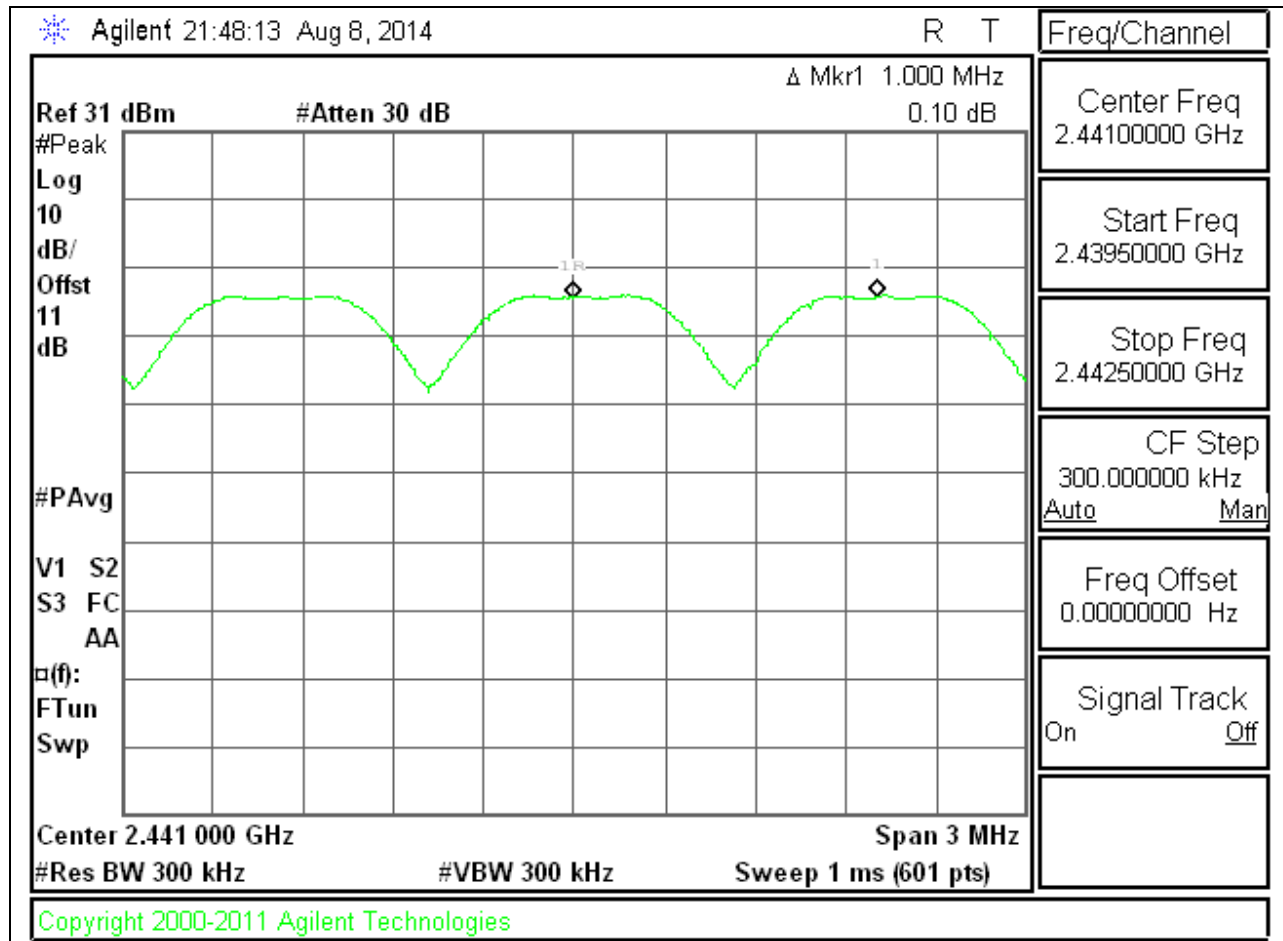
Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

TEST PROCEDURE

DA 00-705: The transmitter output is connected to a spectrum analyzer. The RBW is set to 300 kHz and the VBW is set to 300 kHz. The sweep time is coupled.

RESULTS

HOPPING FREQUENCY SEPARATION PLOT



8.3. NUMBER OF HOPPING CHANNELS

LIMIT

FCC §15.247 (a) (1) (iii)

IC RSS-210 A8.1 (d)

Frequency hopping systems in the 2400 – 2483.5 MHz band shall use at least 15 non-overlapping channels.

TEST PROCEDURE

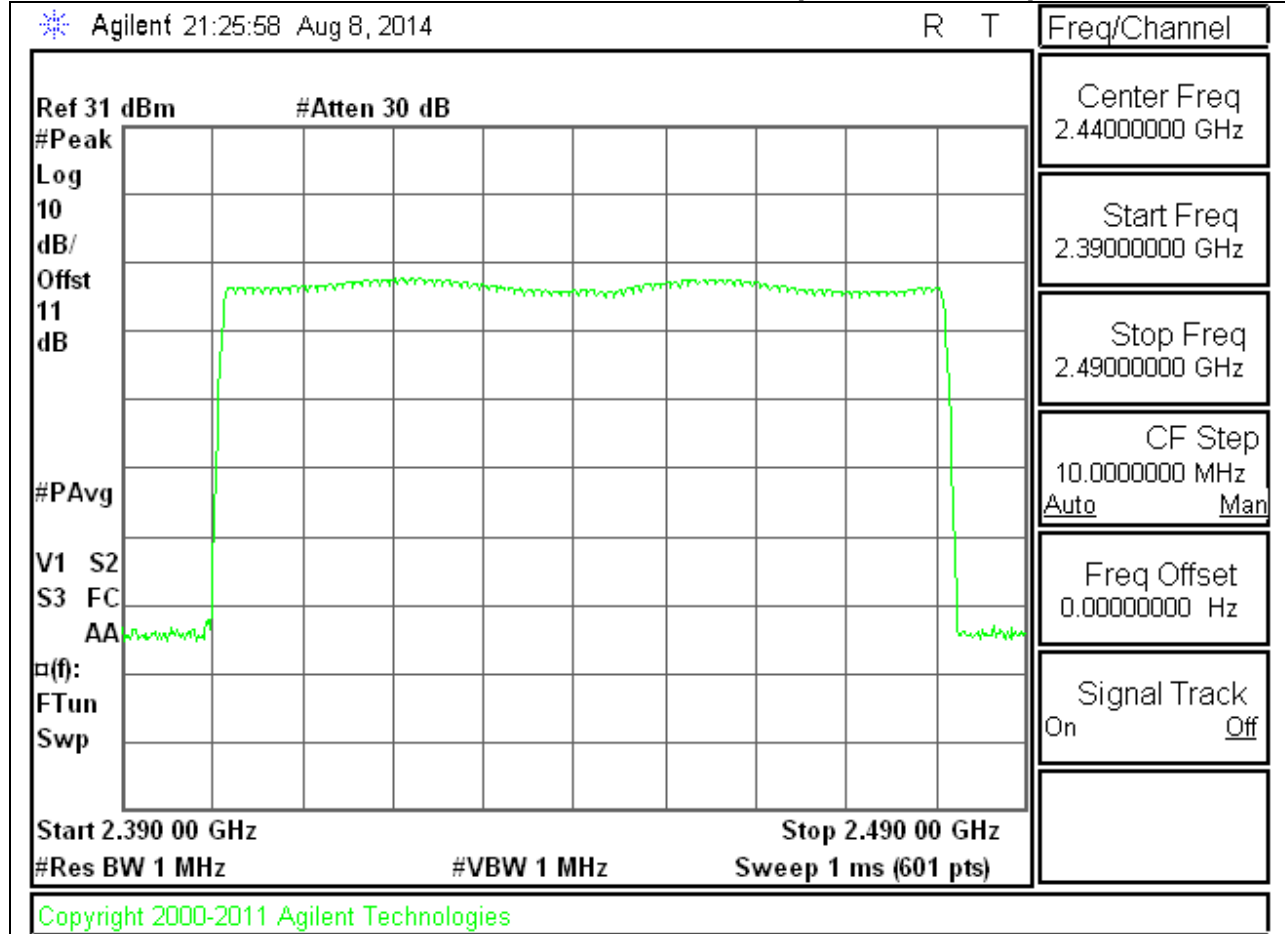
DA 00-705: The transmitter output is connected to a spectrum analyzer. The span is set to cover the entire authorized band, in either a single sweep or in multiple contiguous sweeps. The RBW is set to a maximum of 1 % of the span. The analyzer is set to Max Hold.

RESULTS

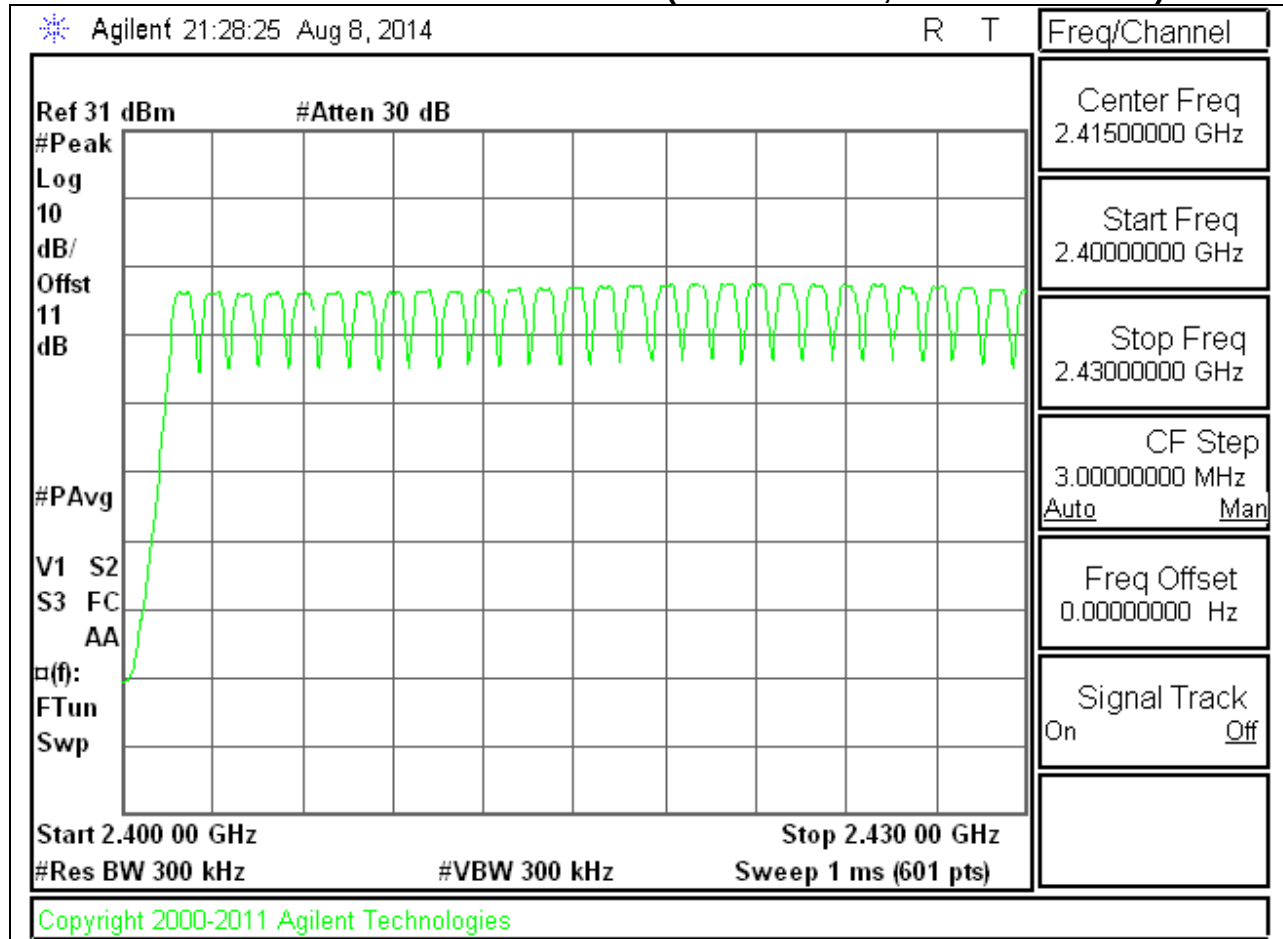
Normal Mode: 79 Channels observed.

NUMBER OF HOPPING CHANNELS PLOTS

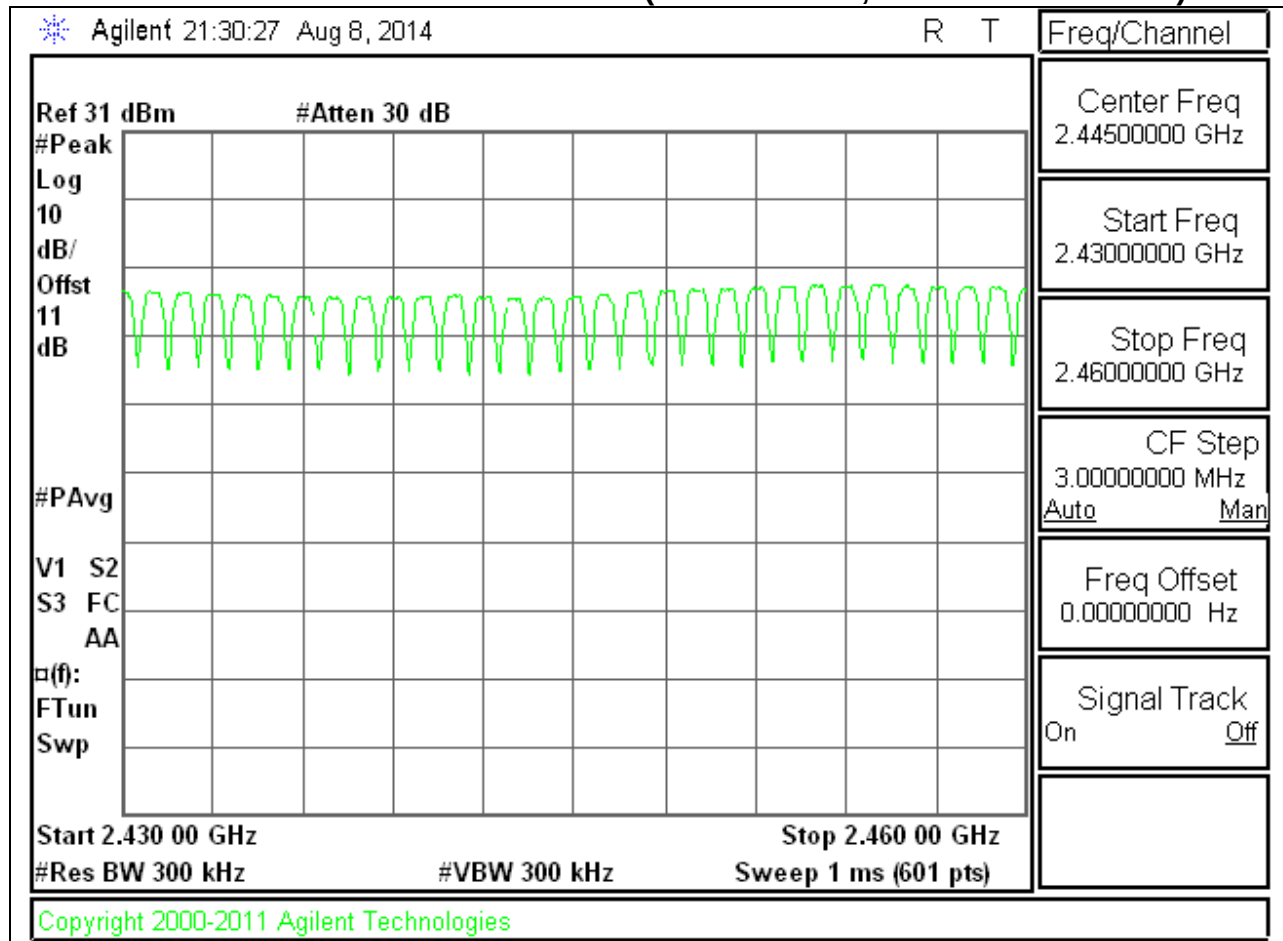
NUMBER OF HOPPING CHANNELS (100 MHZ SPAN)



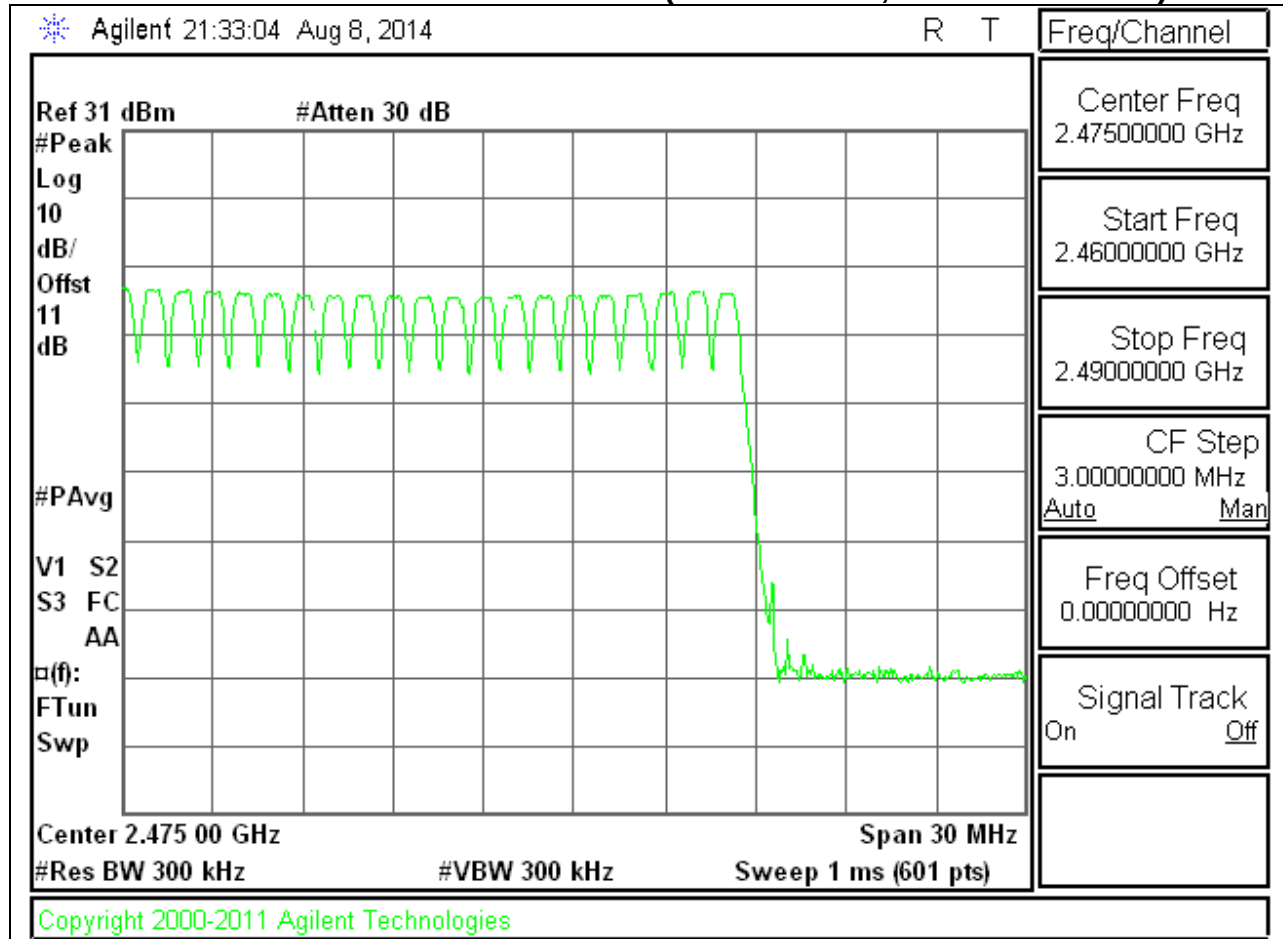
NUMBER OF HOPPING CHANNELS (30 MHZ SPAN, FIRST SEGMENT)



NUMBER OF HOPPING CHANNELS (30 MHZ SPAN, SECOND SEGMENT)



NUMBER OF HOPPING CHANNELS (30 MHZ SPAN, THIRD SEGMENT)



8.4. AVERAGE TIME OF OCCUPANCY

LIMIT

FCC §15.247 (a) (1) (iii)

IC RSS-210 A8.1 (d)

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

TEST PROCEDURE

The transmitter output is connected to a spectrum analyzer. The span is set to 0 Hz, centered on a single, selected hopping channel. The width of a single pulse is measured in a fast scan. The number of pulses is measured in a 3.16 second scan, to enable resolution of each occurrence.

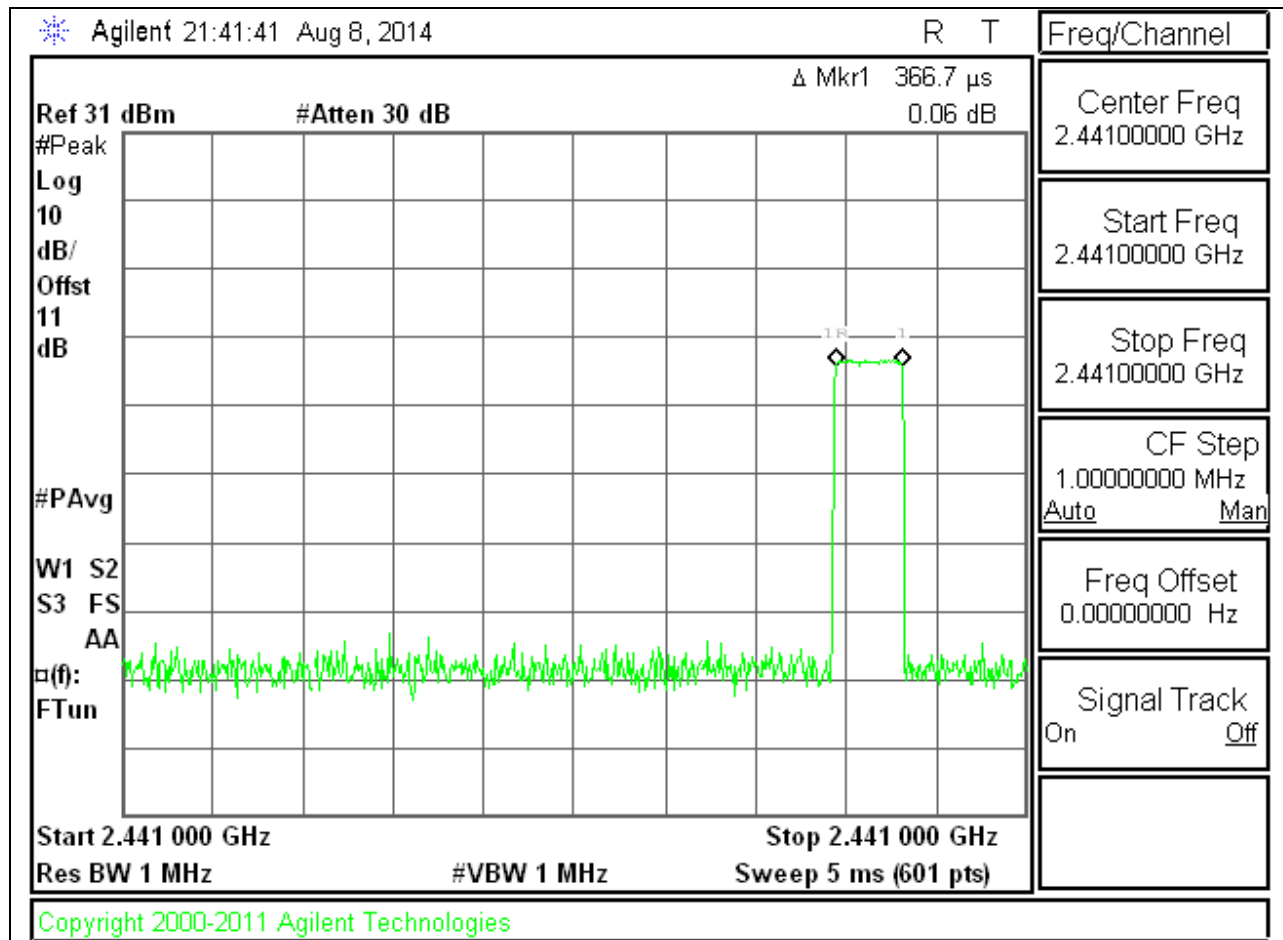
The average time of occupancy in the specified 31.6 second period (79 channels * 0.4 s) is equal to $10 * (\# \text{ of pulses in } 3.16 \text{ s}) * \text{pulse width}$.

For AFH mode, the average time of occupancy in the specified 8 second period (20 channels * 0.4 seconds) is equal to $10 * (\# \text{ of pulses in } 0.8 \text{ s}) * \text{pulse width}$.

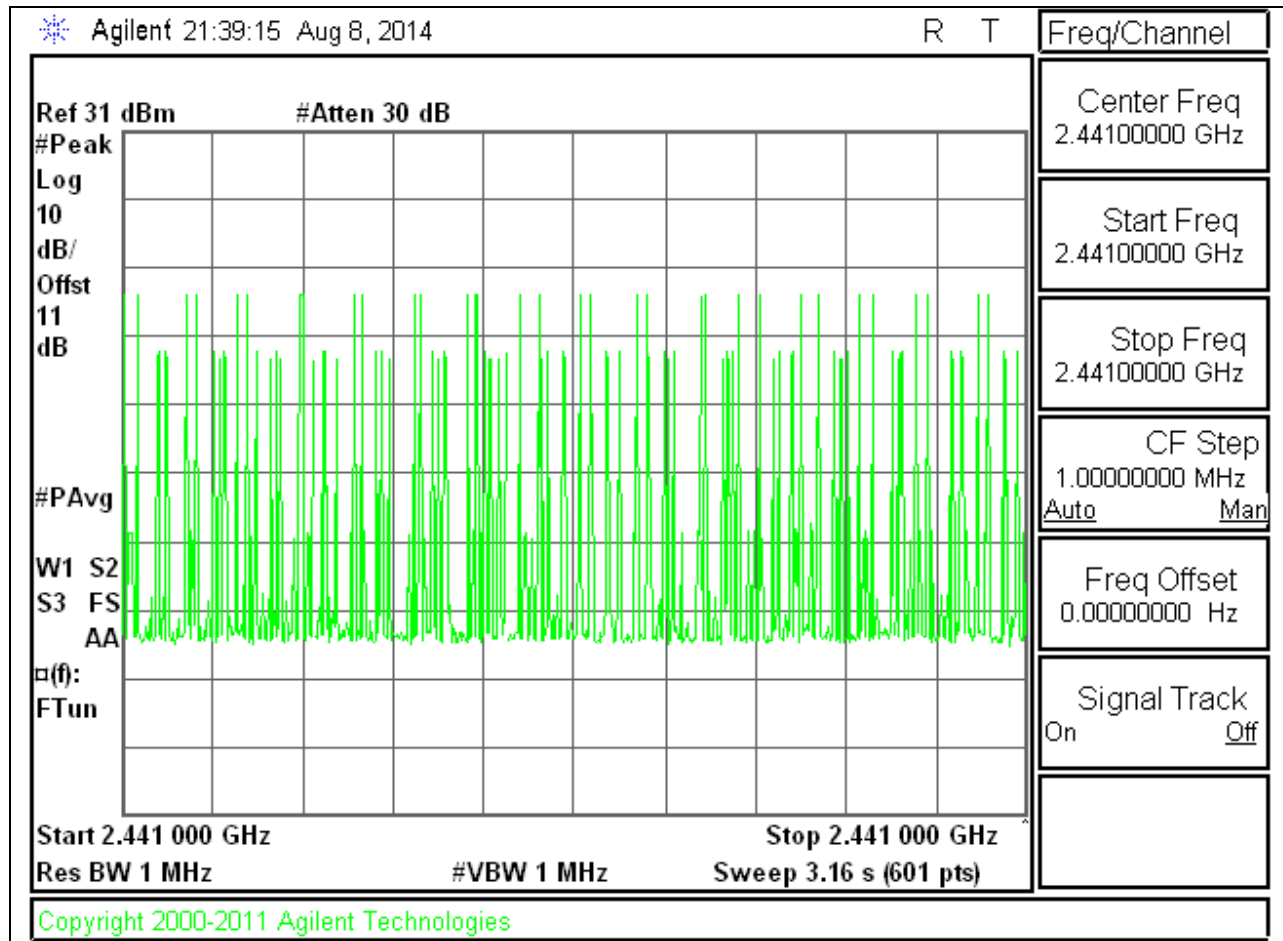
RESULTS

DH Packet	Pulse Width (msec)	Number of Pulses in 3.16 seconds	Average Time of Occupancy (sec)	Limit (sec)	Margin (sec)
GFSK Normal Mode					
DH1	0.3667	31	0.113677	0.4	-0.28632
DH3	1.633	18	0.29394	0.4	-0.10606
DH5	2.883	7	0.20181	0.4	-0.19819
DH Packet	Pulse Width (msec)	Number of Pulses in 0.8 seconds	Average Time of Occupancy (sec)	Limit (sec)	Margin (sec)
GFSK AFH Mode					
DH1	0.3667	7.75	0.02841925	0.4	-0.37158
DH3	1.633	4.5	0.073485	0.4	-0.32652
DH5	2.883	1.75	0.0504525	0.4	-0.34955

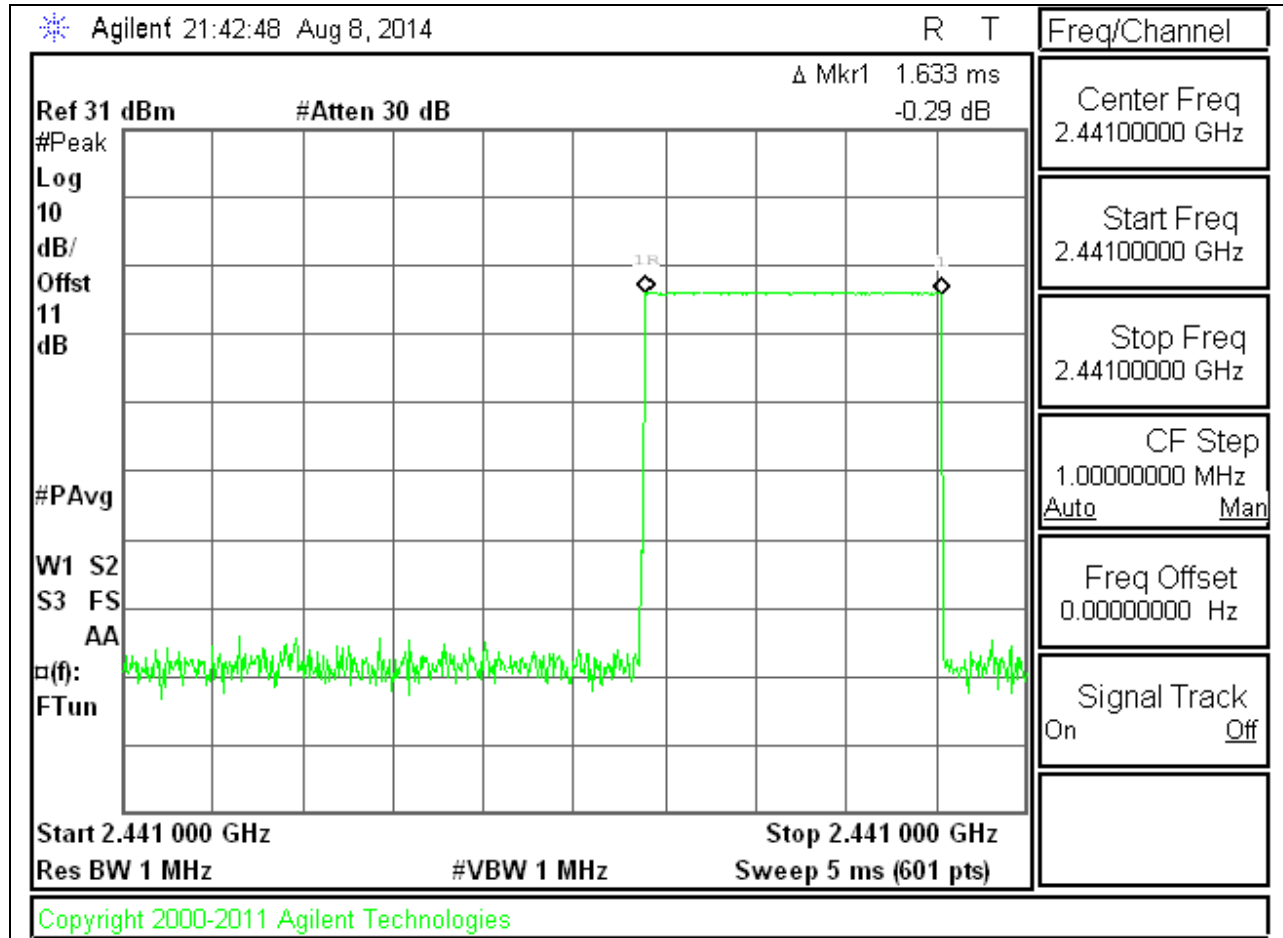
PULSE WIDTH - DH1



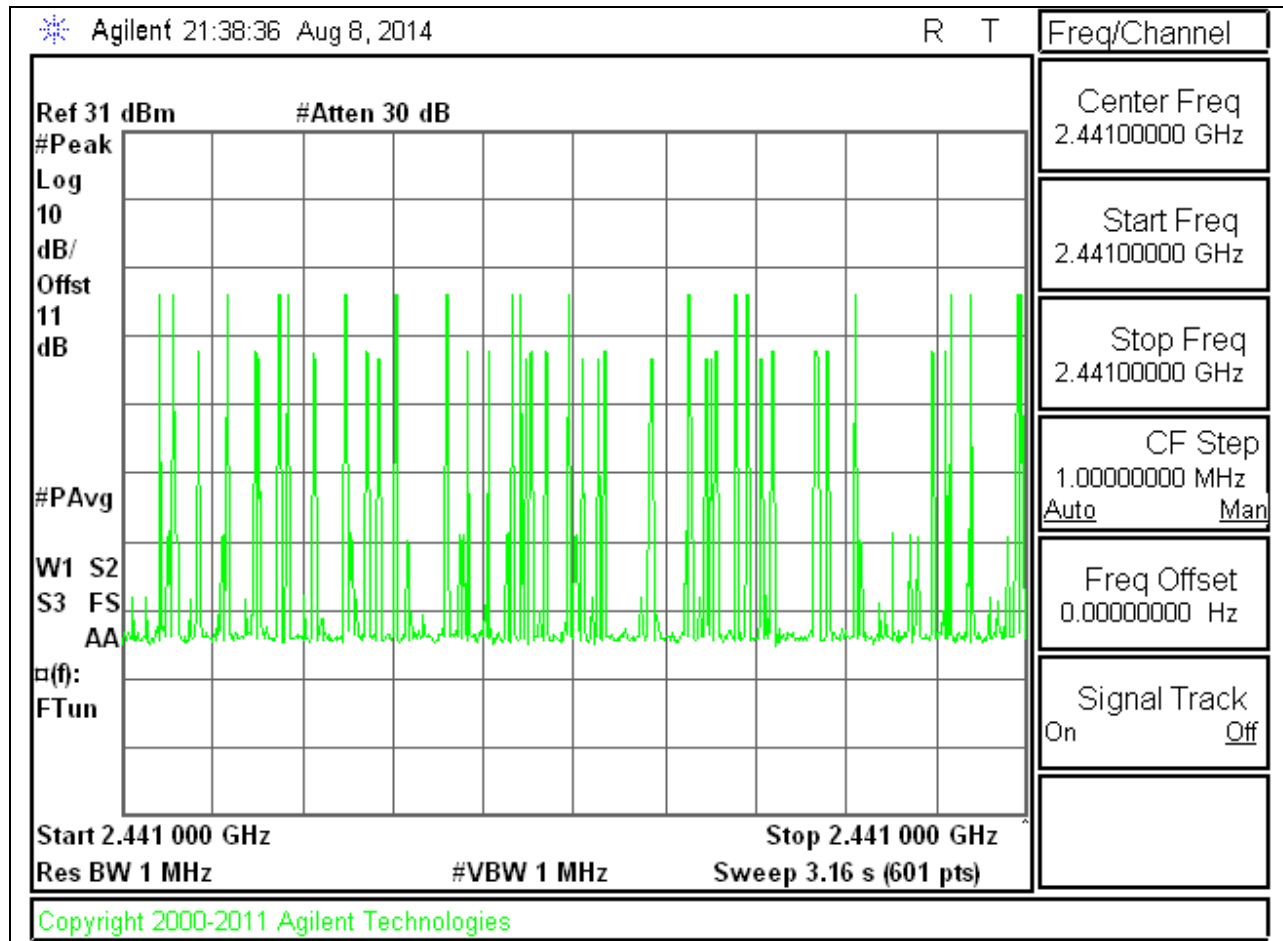
NUMBER OF PULSES IN 3.16 SECOND OBSERVATION PERIOD - DH1



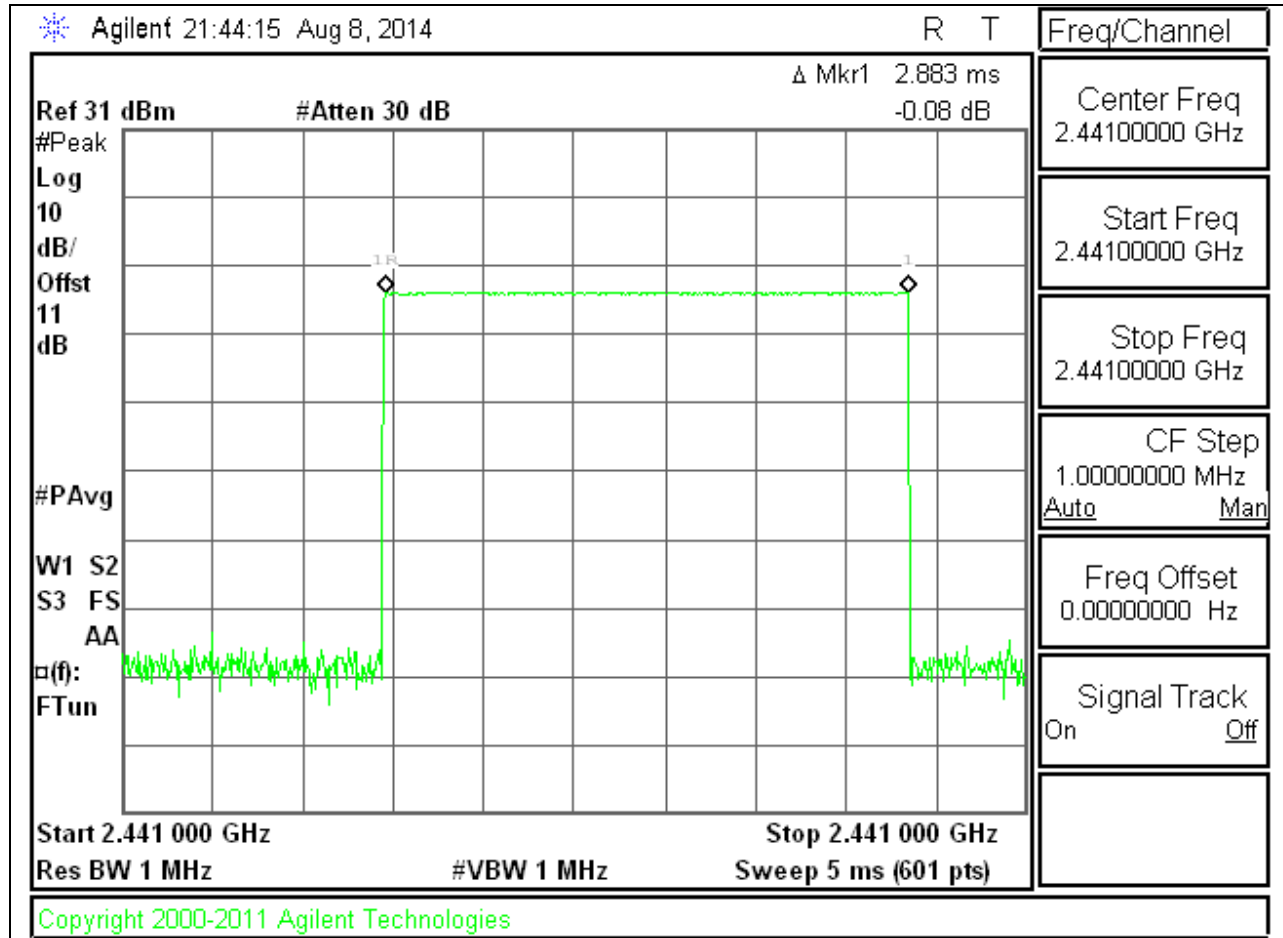
PULSE WIDTH - DH3



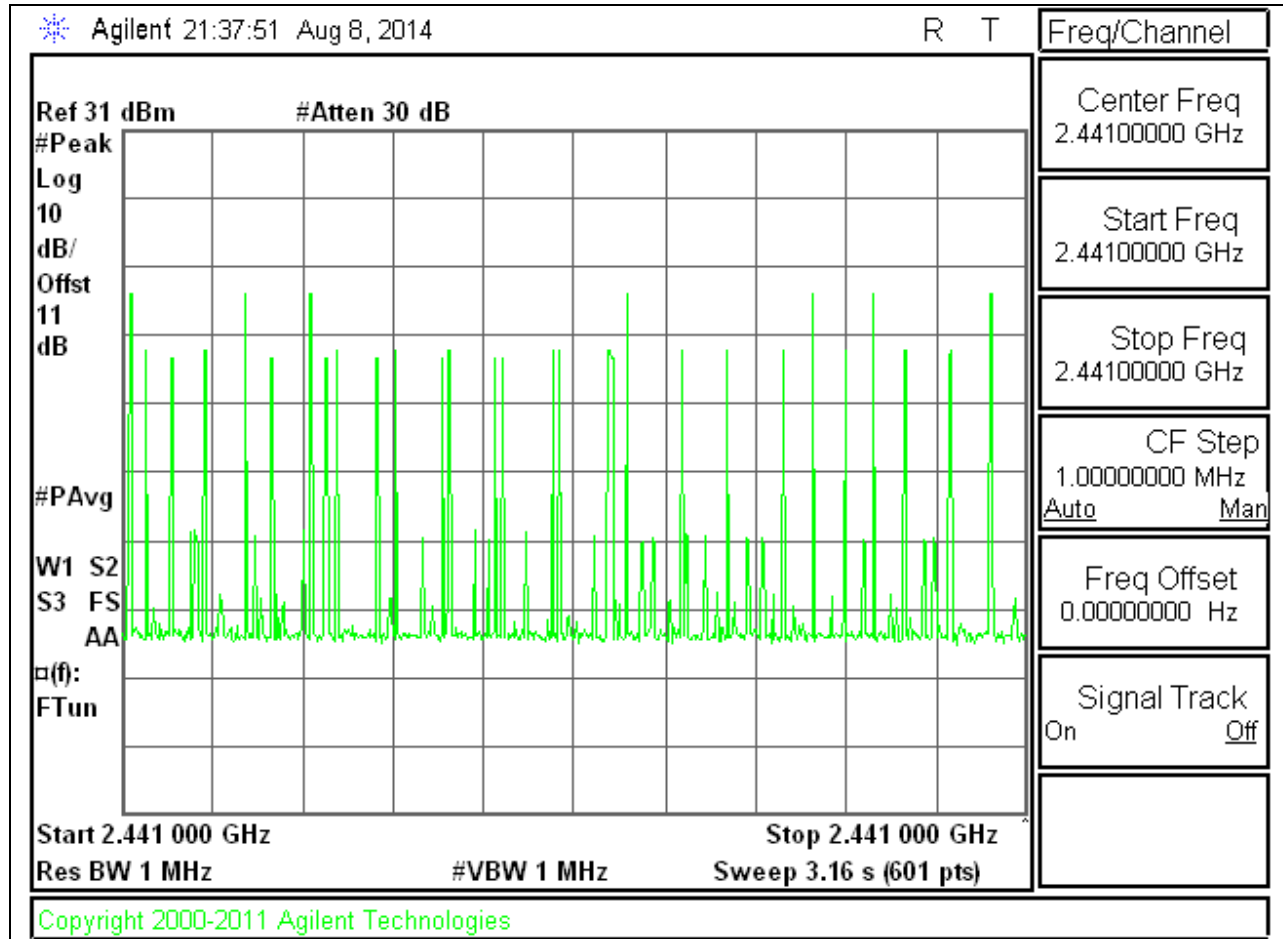
NUMBER OF PULSES IN 3.16 SECOND OBSERVATION PERIOD - DH3



PULSE WIDTH - DH5



NUMBER OF PULSES IN 3.16 SECOND OBSERVATION PERIOD - DH5



8.5. OUTPUT POWER

LIMIT

§15.247 (b) (1)

RSS-210 Issue 7 Clause A8.4

The maximum antenna gain is less than 6 dBi, therefore the limit is 21 dBm.

TEST PROCEDURE

DA 00-705: The transmitter output is connected to a spectrum analyzer the analyzer bandwidth is set to a value greater than the 20 dB bandwidth of the EUT.

RESULTS

8.5.1. BASIC DATA RATE GFSK MODULATION

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Margin (dB)
Low	2402	7.46	21	-13.54
Middle	2441	7.13	21	-13.87
High	2480	7.38	21	-13.62
Worst		7.46		-13.54

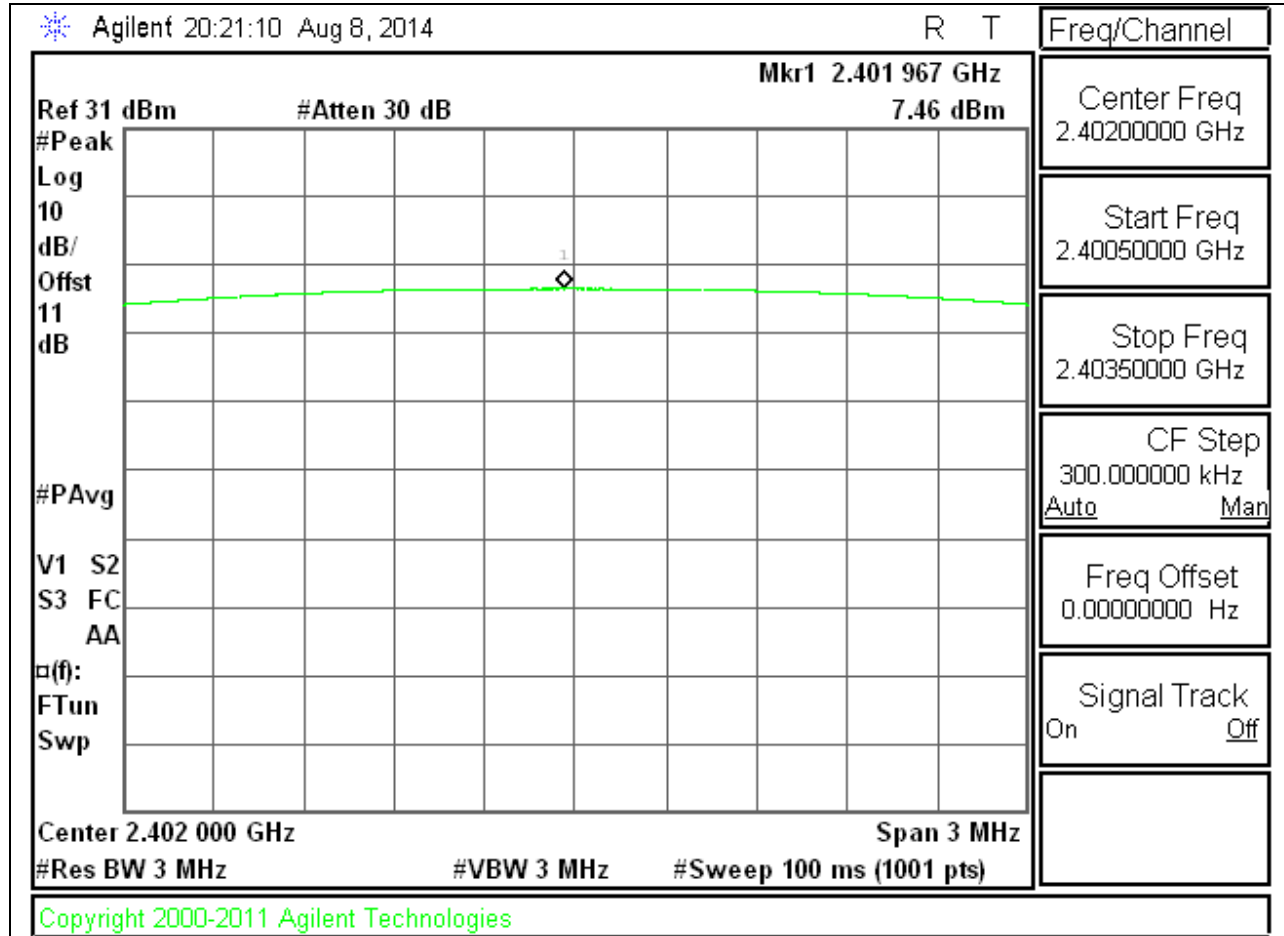
8.5.2. ENHANCED DATA RATE 8PSK MODULATION

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Margin (dB)
Low	2402	8.71	21	-12.29
Middle	2441	8.32	21	-12.68
High	2480	8.62	21	-12.38
Worst		8.71		-12.29

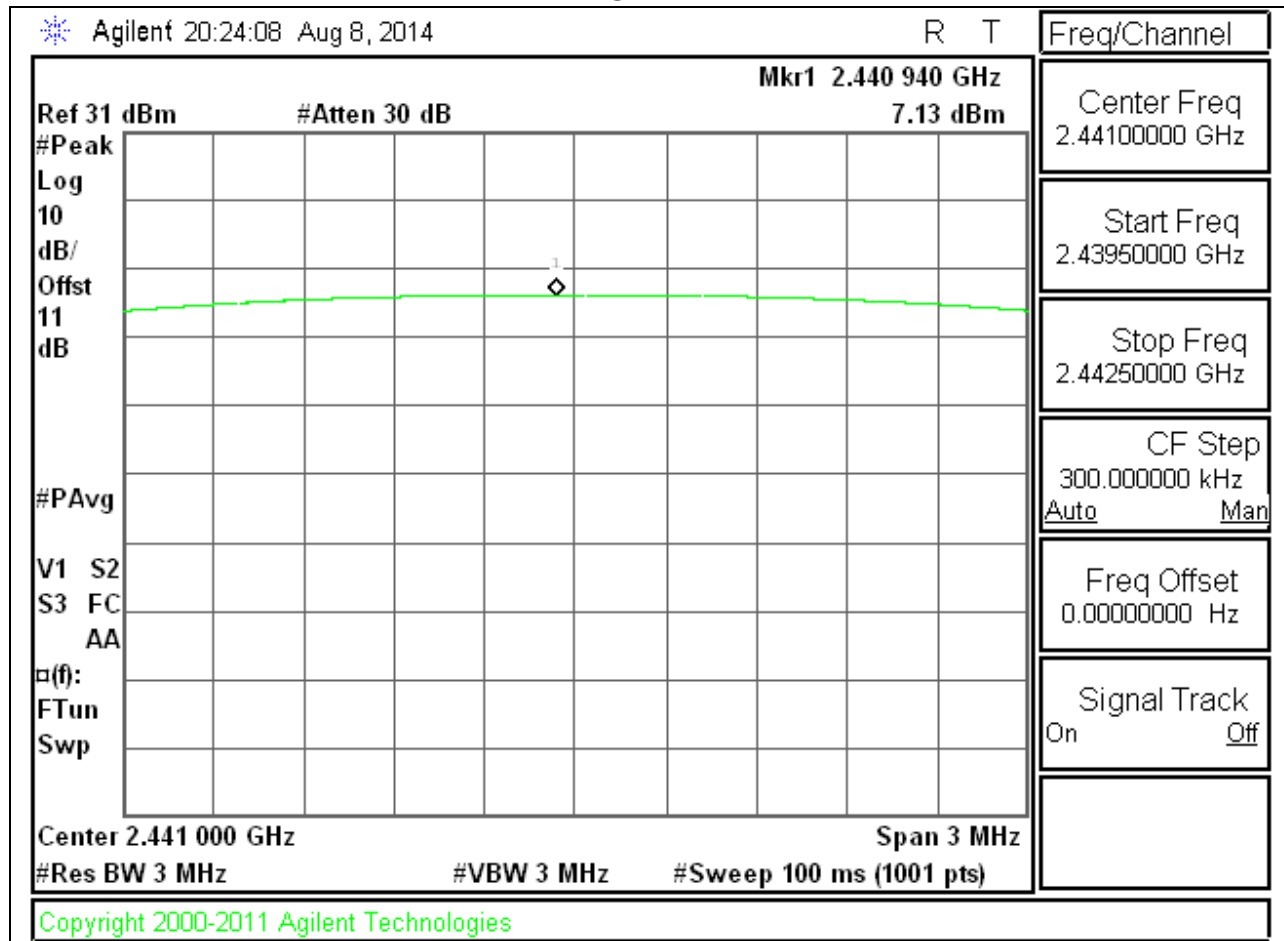
8.5.3. OUTPUT POWER PLOTS

GFSK OUTPUT POWER

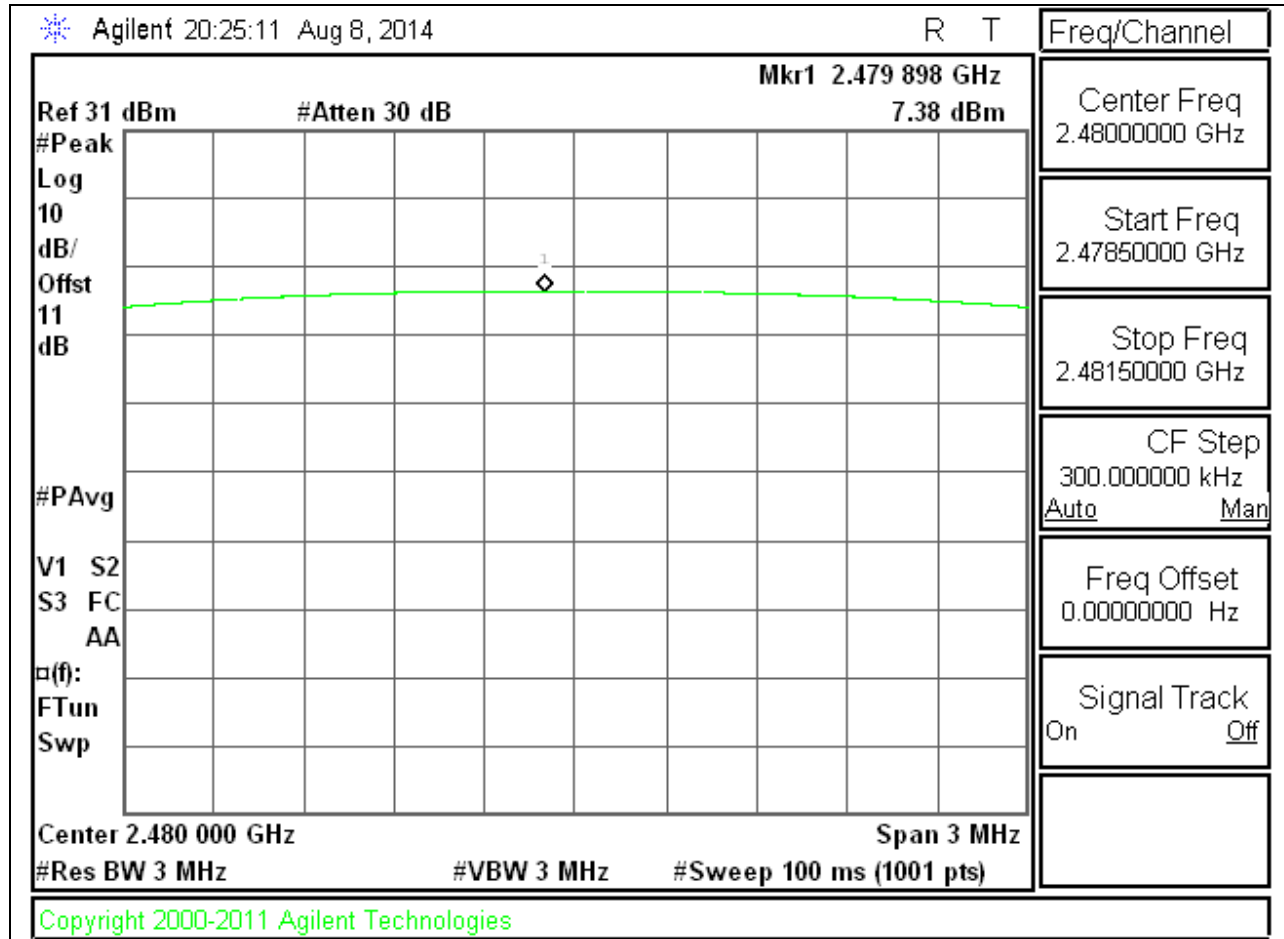
LOW CHANNEL



MID CHANNEL

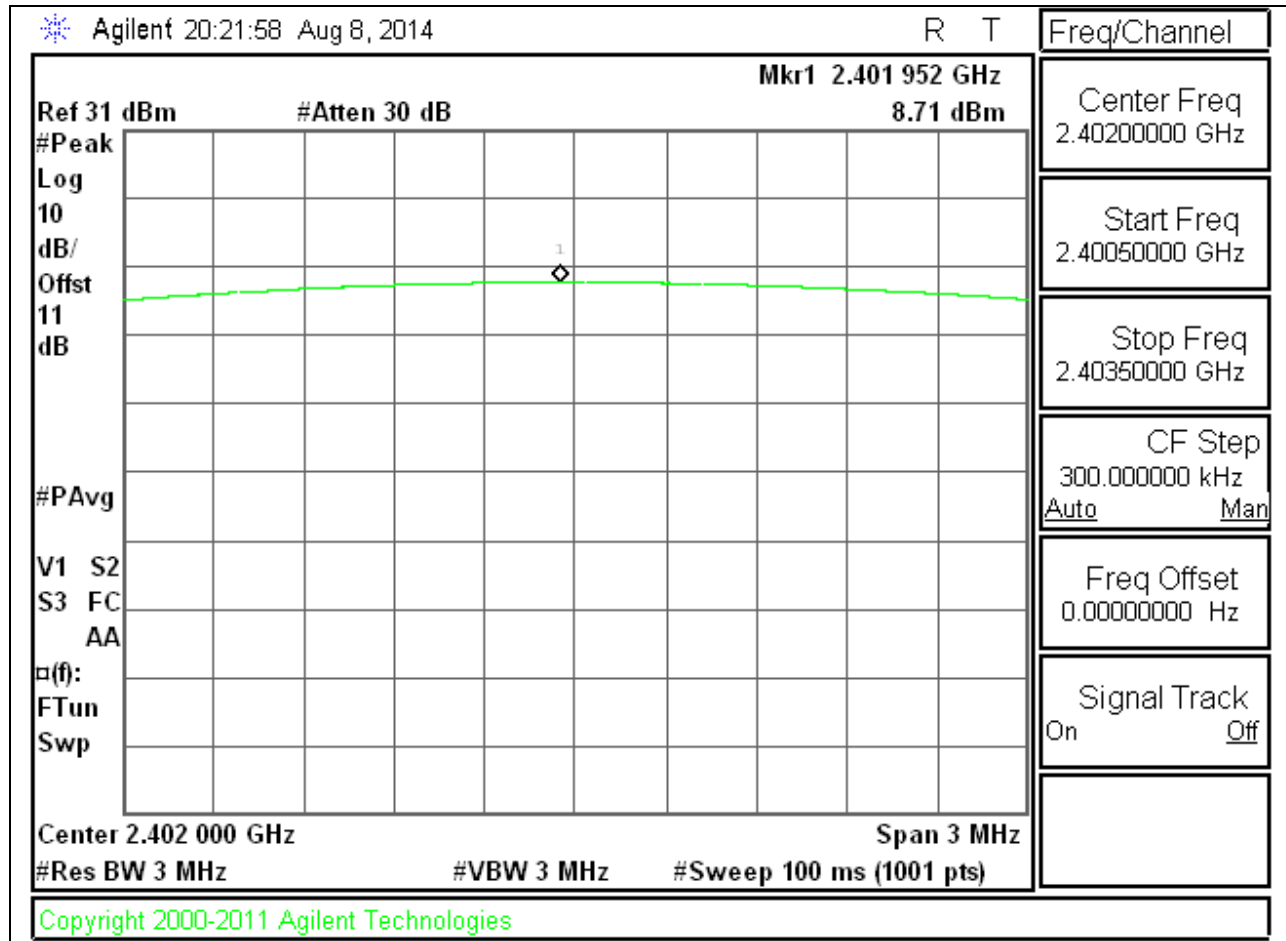


HIGH CHANNEL

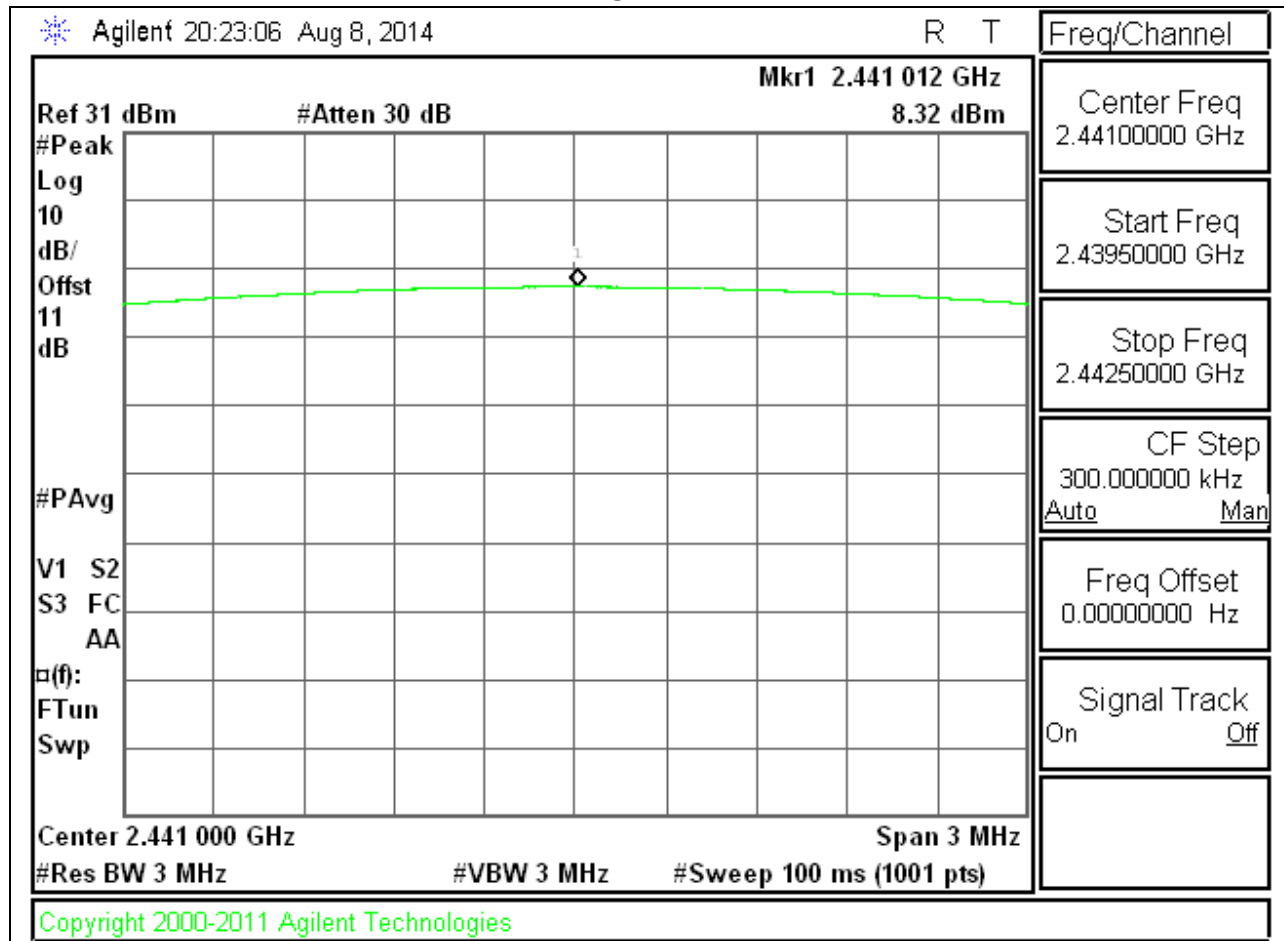


8PSK OUTPUT POWER

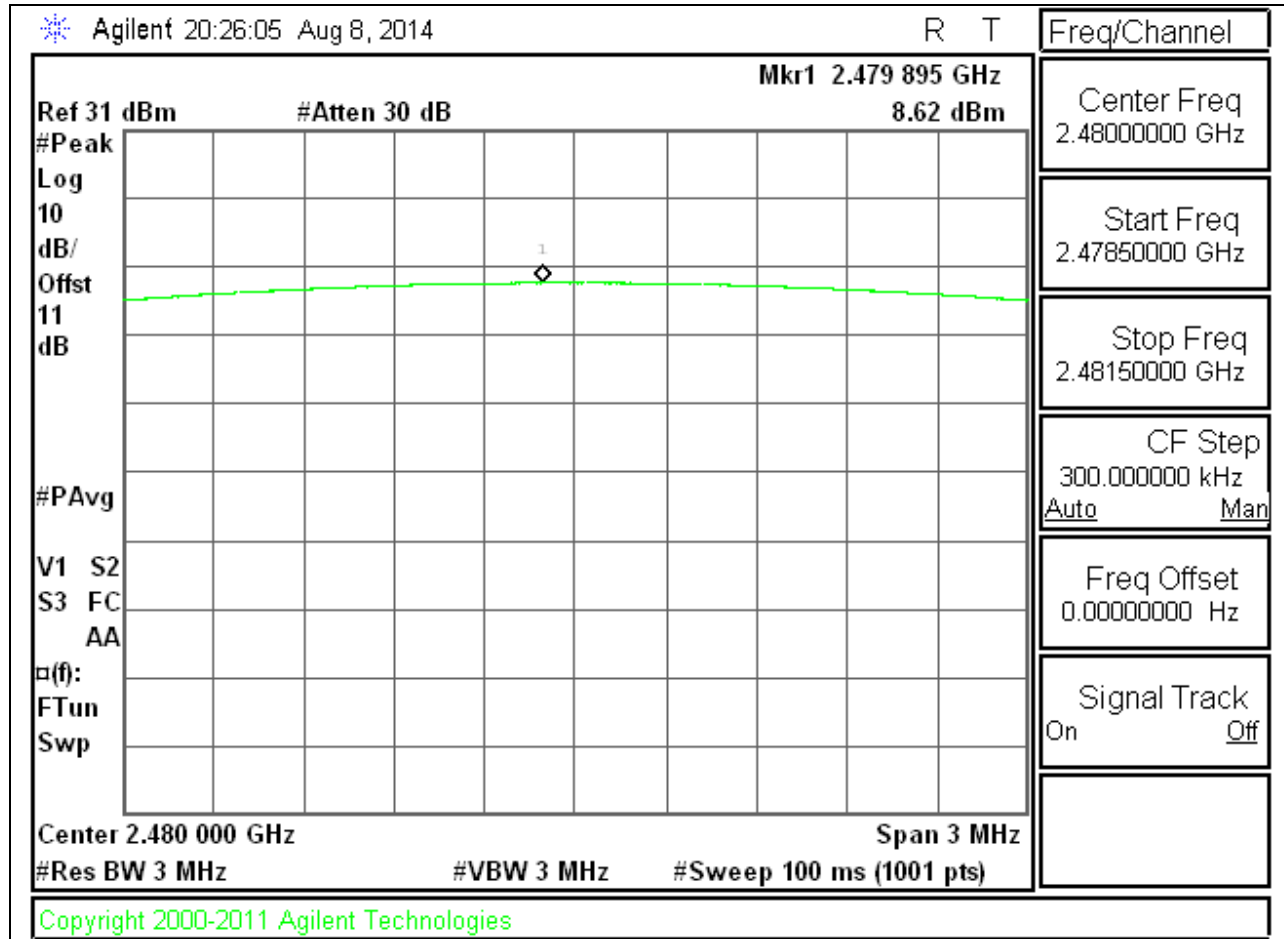
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



8.6. AVERAGE POWER

LIMIT

None; for reporting purposes only.

TEST PROCEDURE

DA 00-705: The transmitter output is connected to a power meter.

RESULTS

The cable assembly insertion loss of 10.7 dB (including 10 dB pad and 0.7 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

8.6.1. BASIC DATA RATE GFSK MODULATION

Channel	Frequency (MHz)	Average Power (dBm)
Low	2402	6.6
Middle	2441	6.7
High	2480	6.5
Worst		6.7

8.6.2. DATA RATE PI/4-DQPSK MODULATION

Channel	Frequency (MHz)	Average Power (dBm)
Low	2402	5.1
Middle	2441	5.1
High	2480	5.2
Worst		5.20

8.6.3. ENHANCED DATA RATE 8PSK MODULATION

Channel	Frequency (MHz)	Average Power (dBm)
Low	2402	5.2
Middle	2441	5.1
High	2480	5.2
Worst		5.2

8.7. CONDUCTED SPURIOUS EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

Limit = -20 dBc

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.

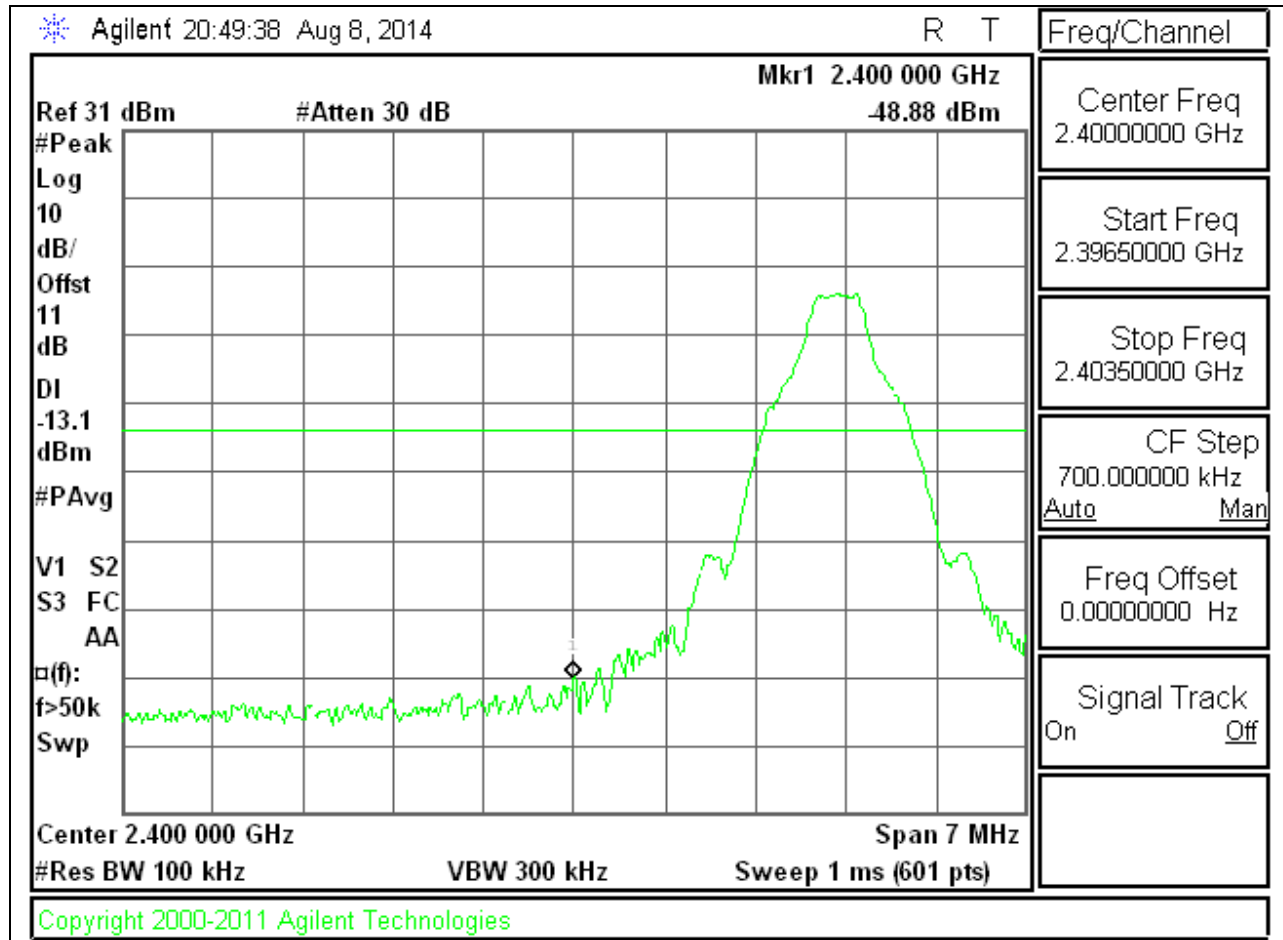
The bandedges at 2.4 and 2.4835 GHz are investigated with the transmitter set to the normal hopping mode.

RESULTS

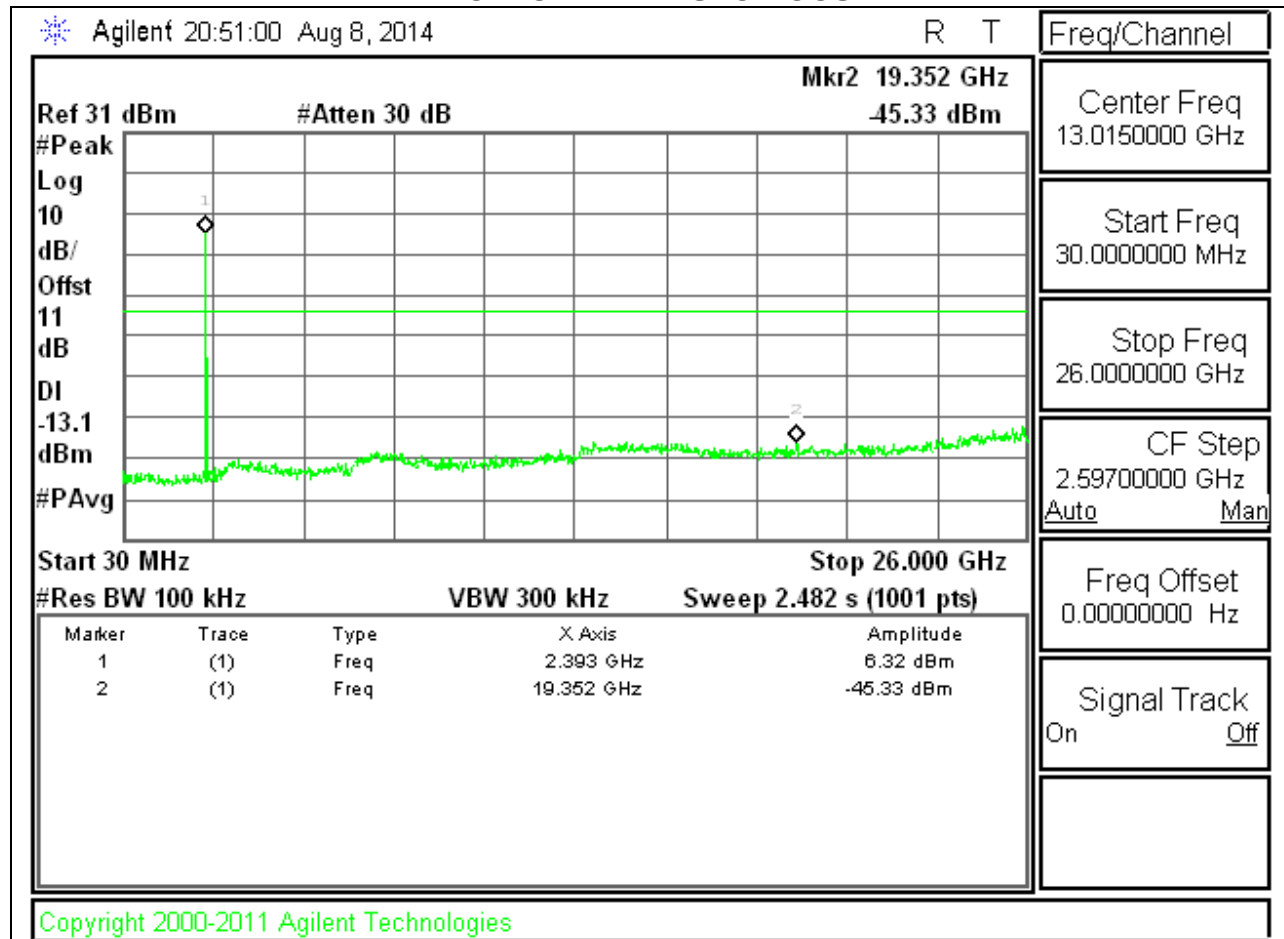
8.7.1. BASIC DATA RATE GFSK MODULATION

SPURIOUS EMISSIONS, LOW CHANNEL

LOW CHANNEL BANDEDGE

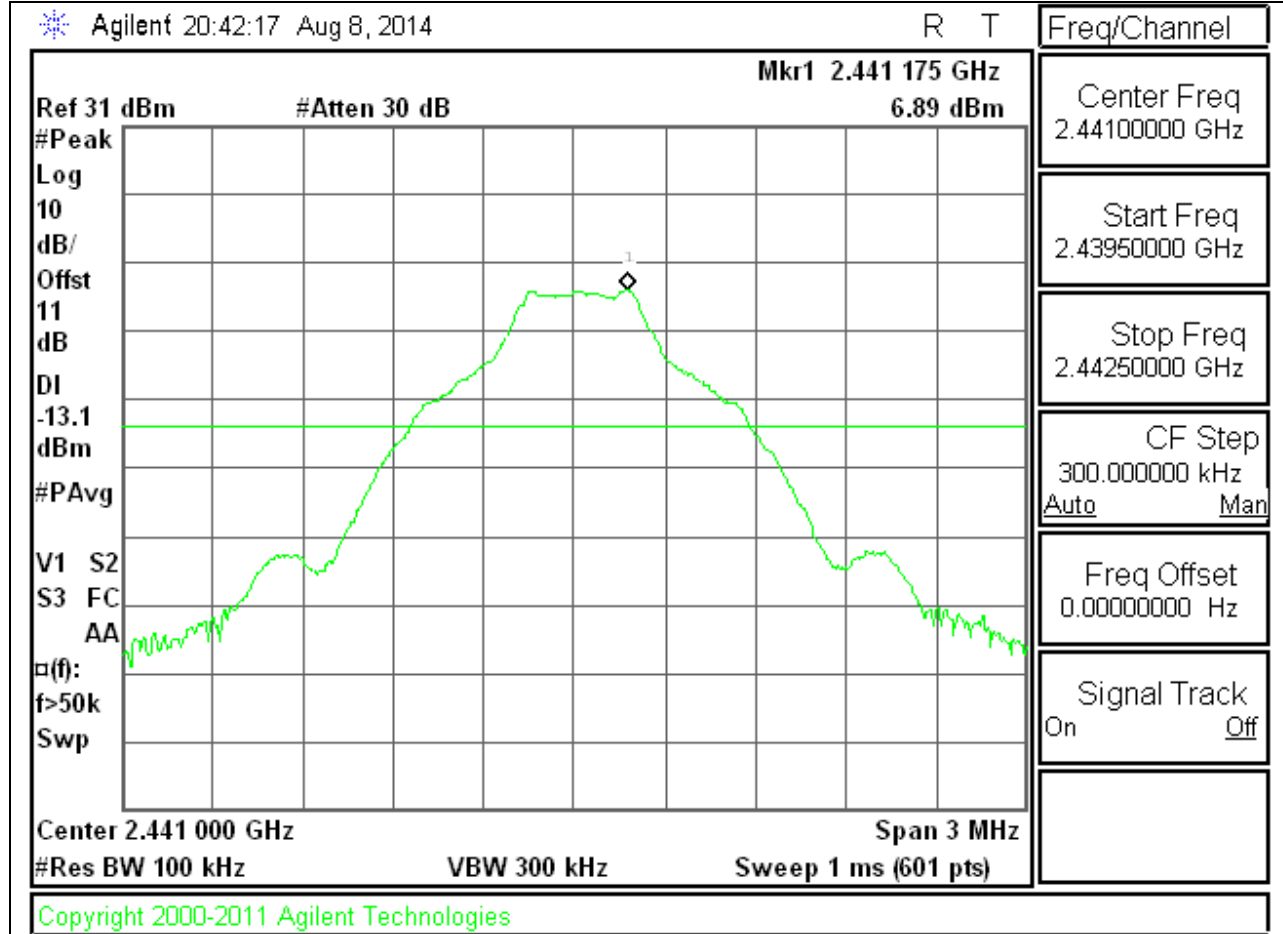


LOW CHANNEL SPURIOUS

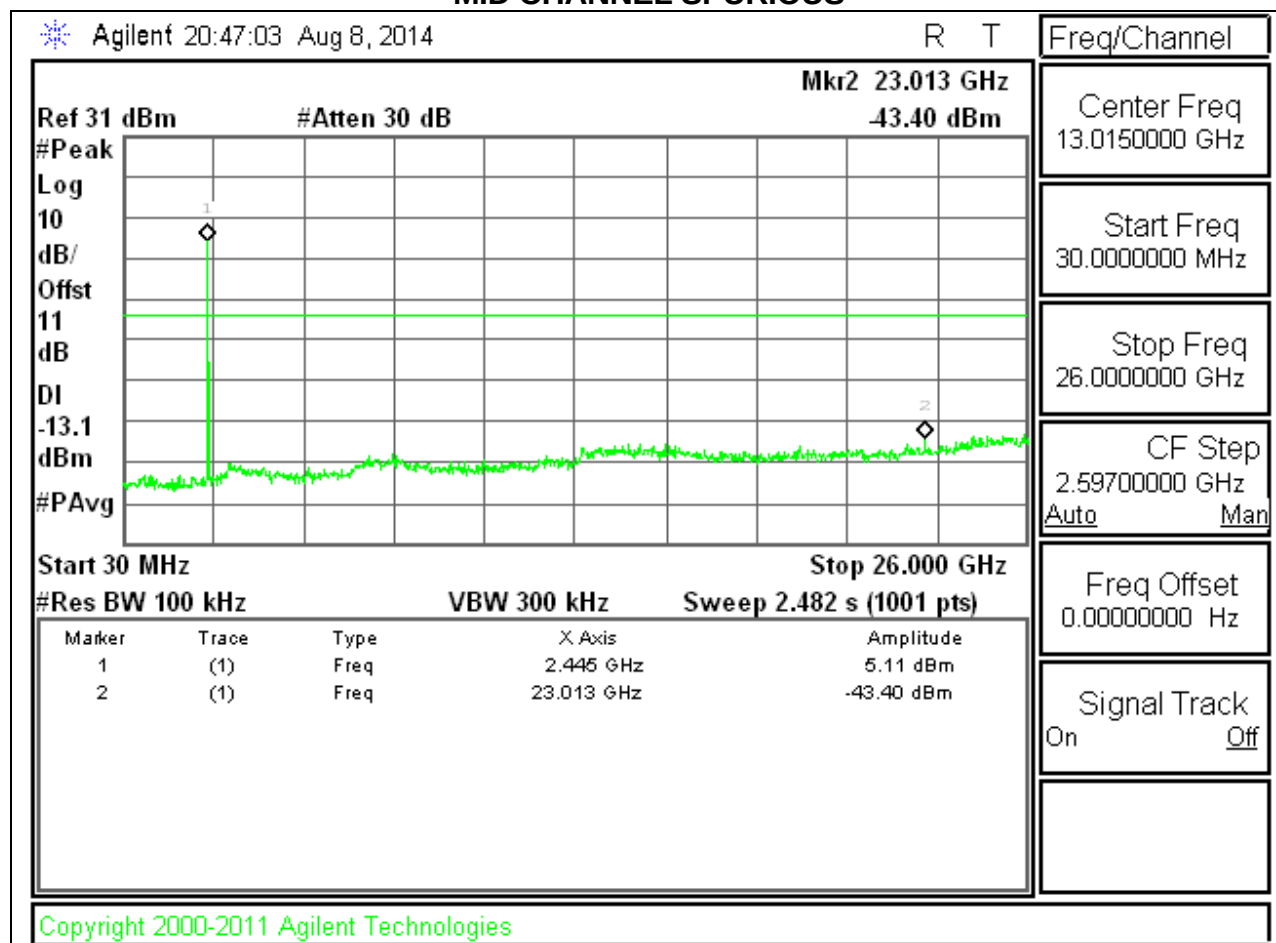


SPURIOUS EMISSIONS, MID CHANNEL

MID CHANNEL BANDEDGE

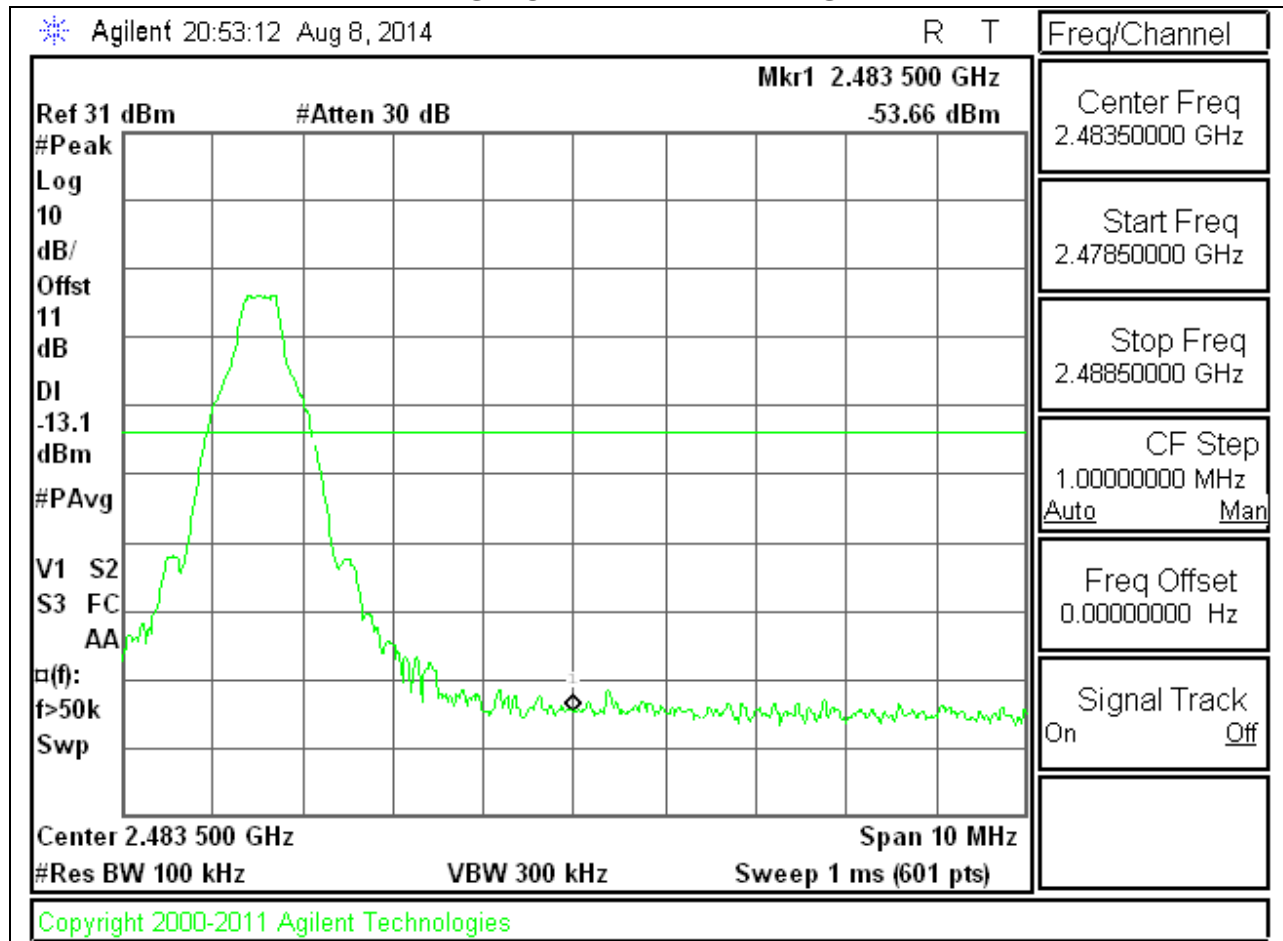


MID CHANNEL SPURIOUS

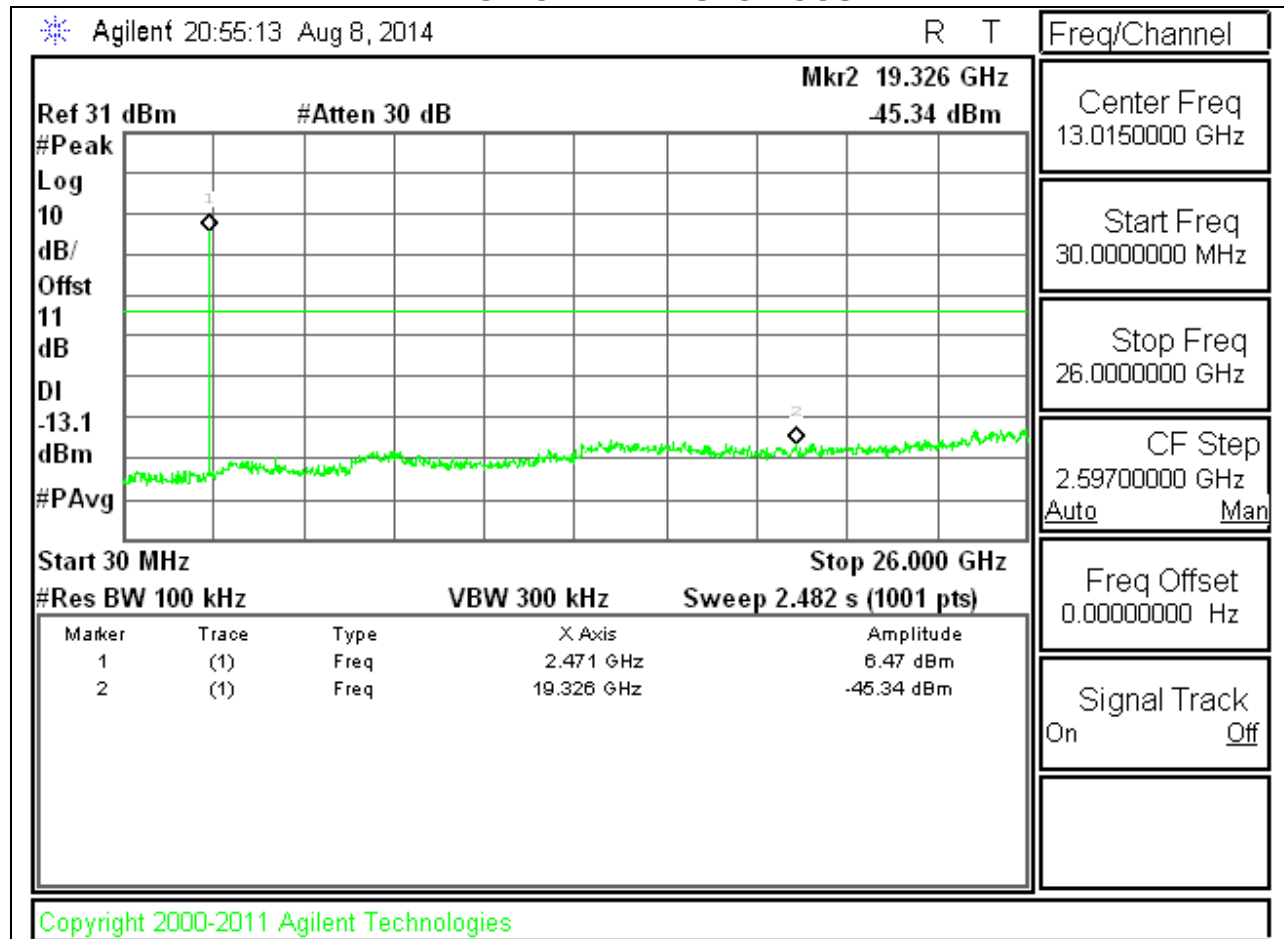


SPURIOUS EMISSIONS, HIGH CHANNEL

HIGH CHANNEL BANDEDGE

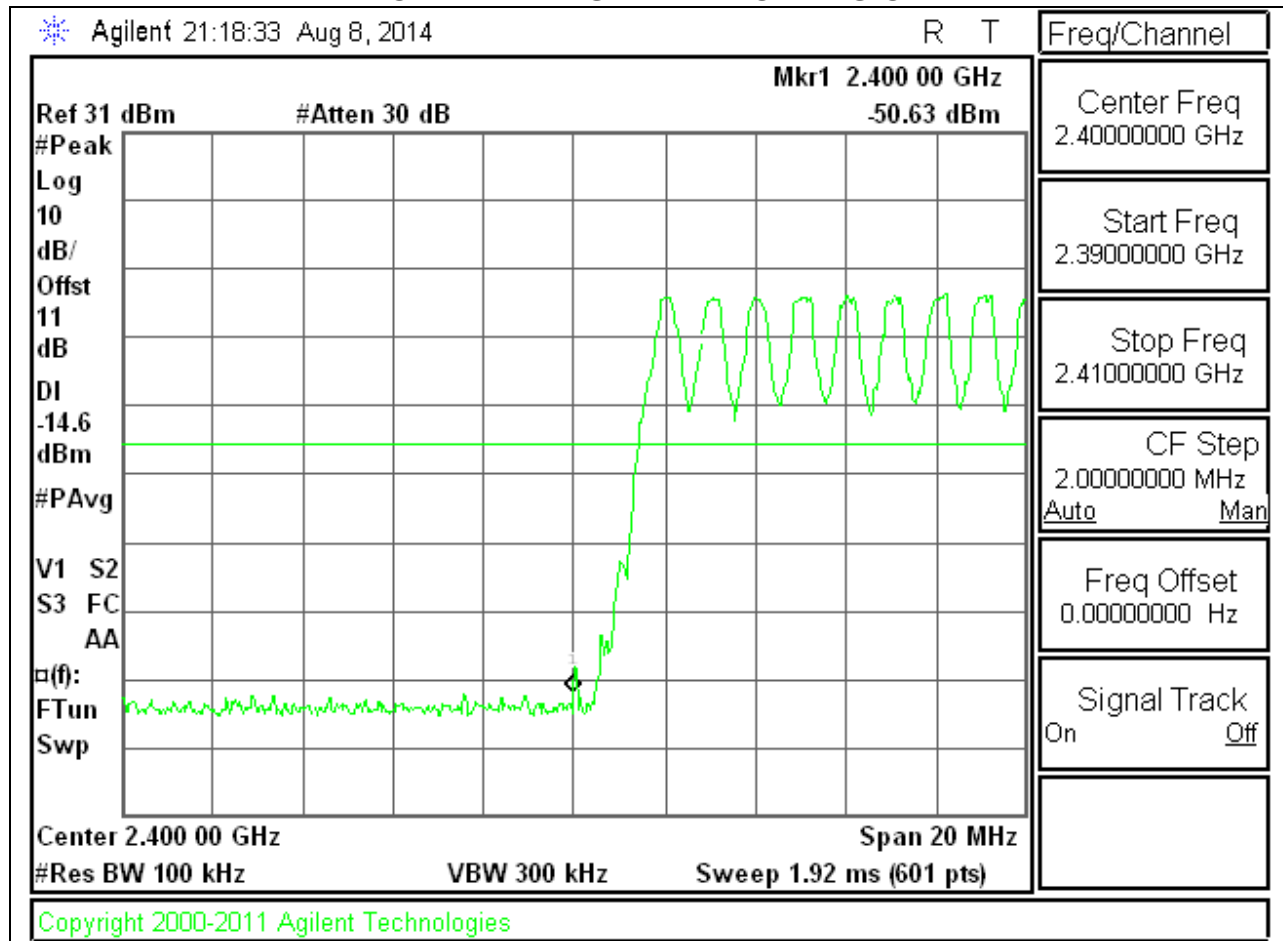


HIGH CHANNEL SPURIOUS

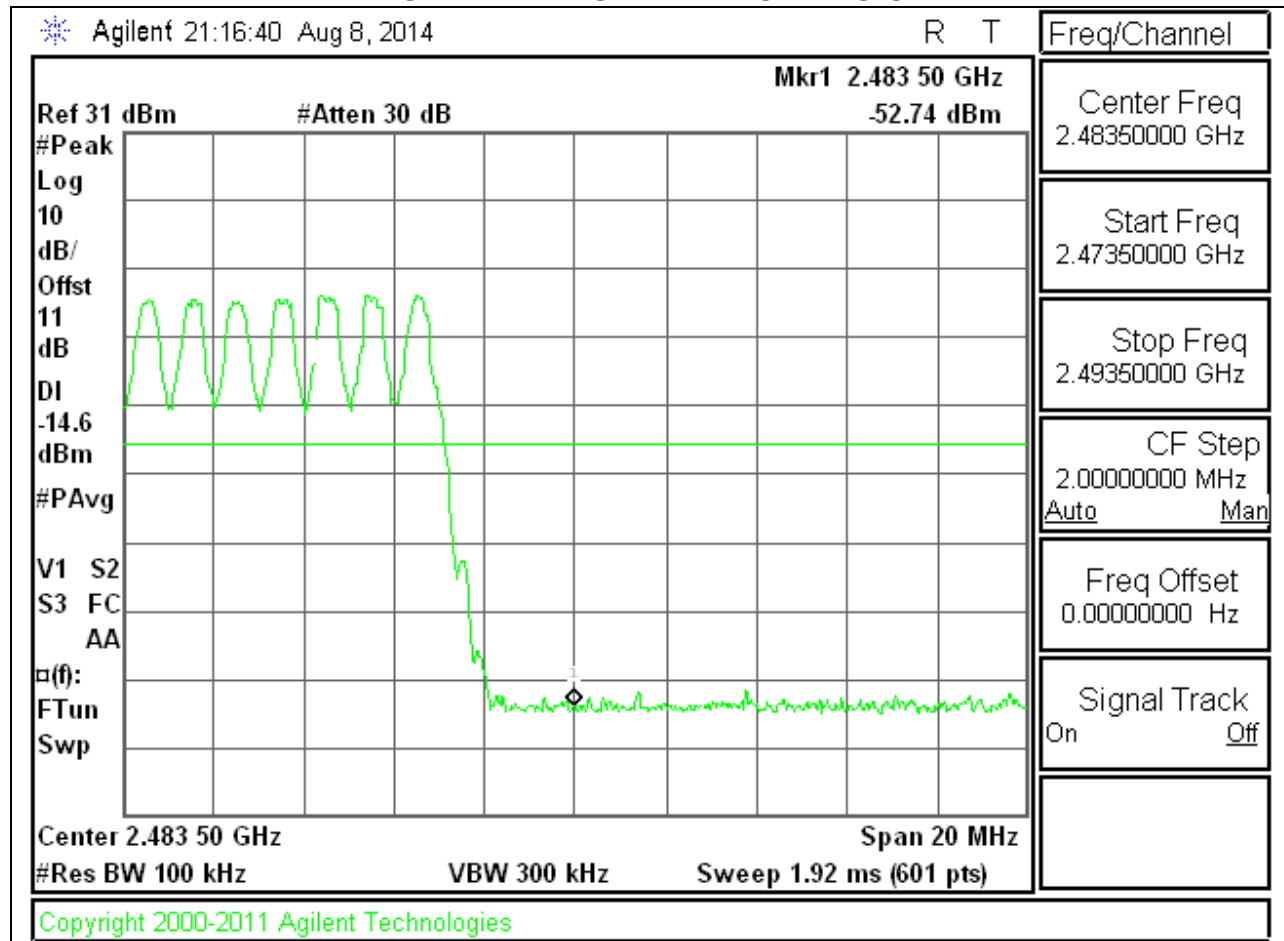


SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

LOW BANDEDGE WITH HOPPING ON



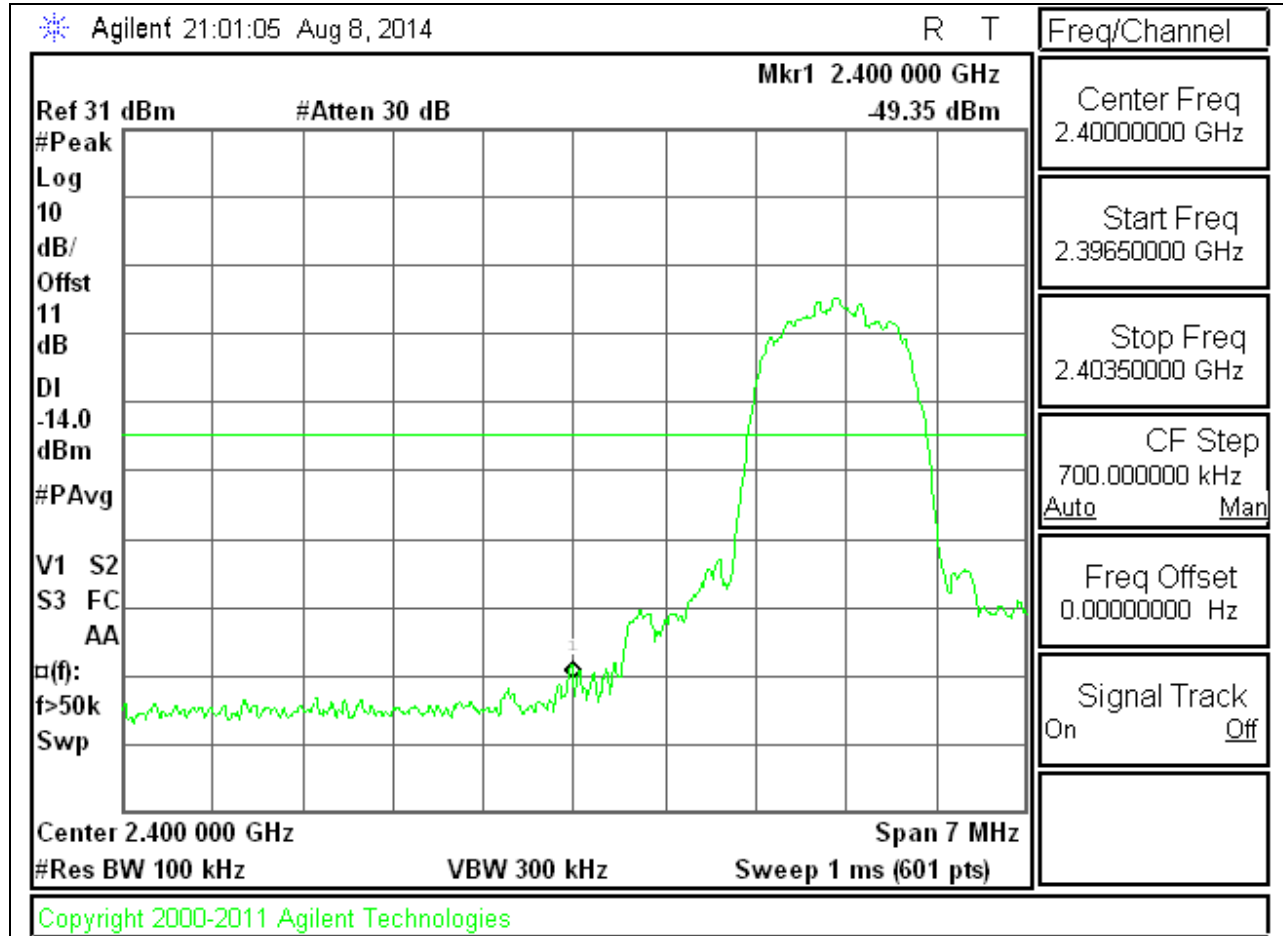
HIGH BANDEDGE WITH HOPPING ON



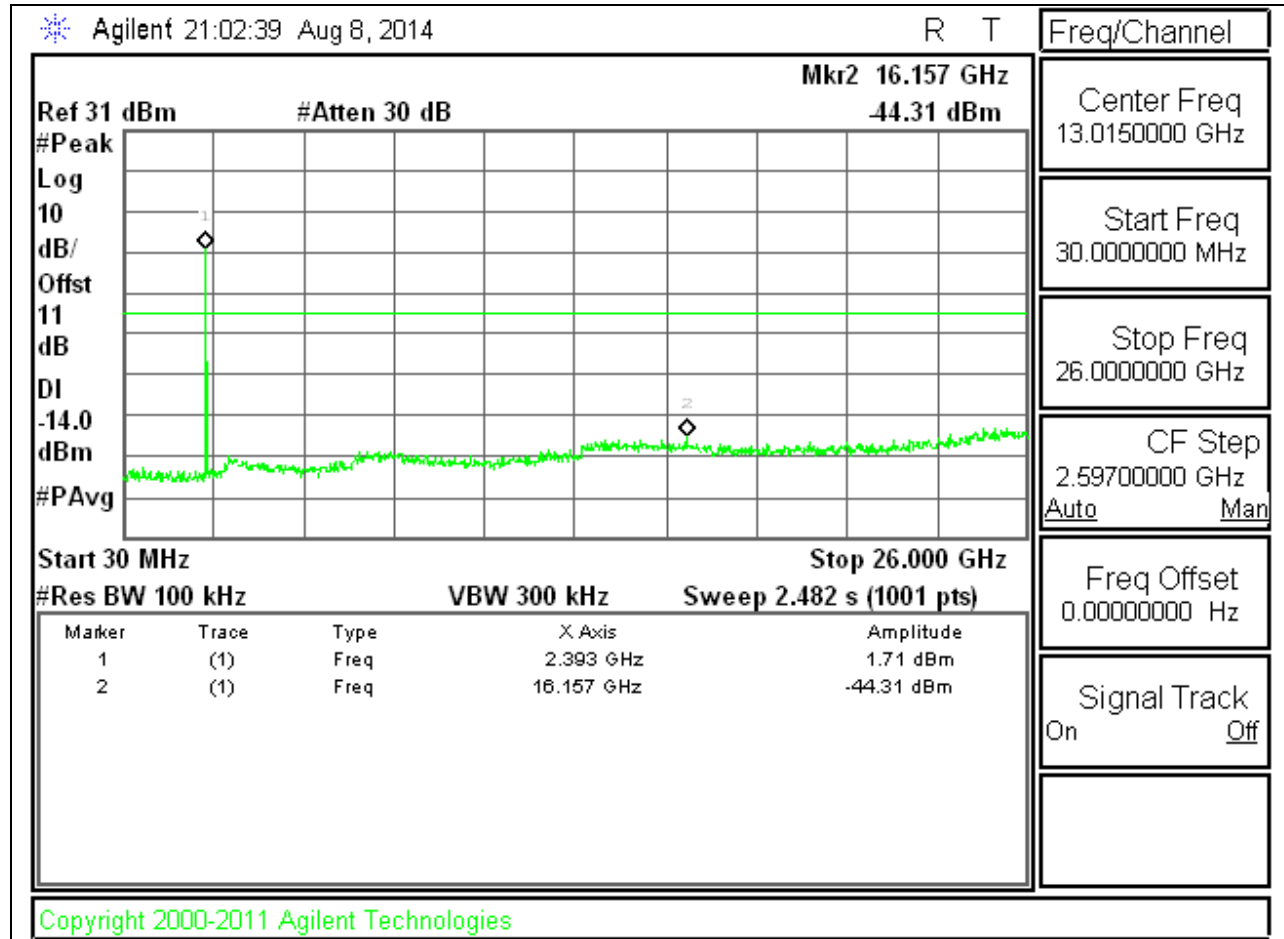
ENHANCED DATA RATE 8PSK MODULATION

SPURIOUS EMISSIONS, LOW CHANNEL

LOW CHANNEL BANDEDGE

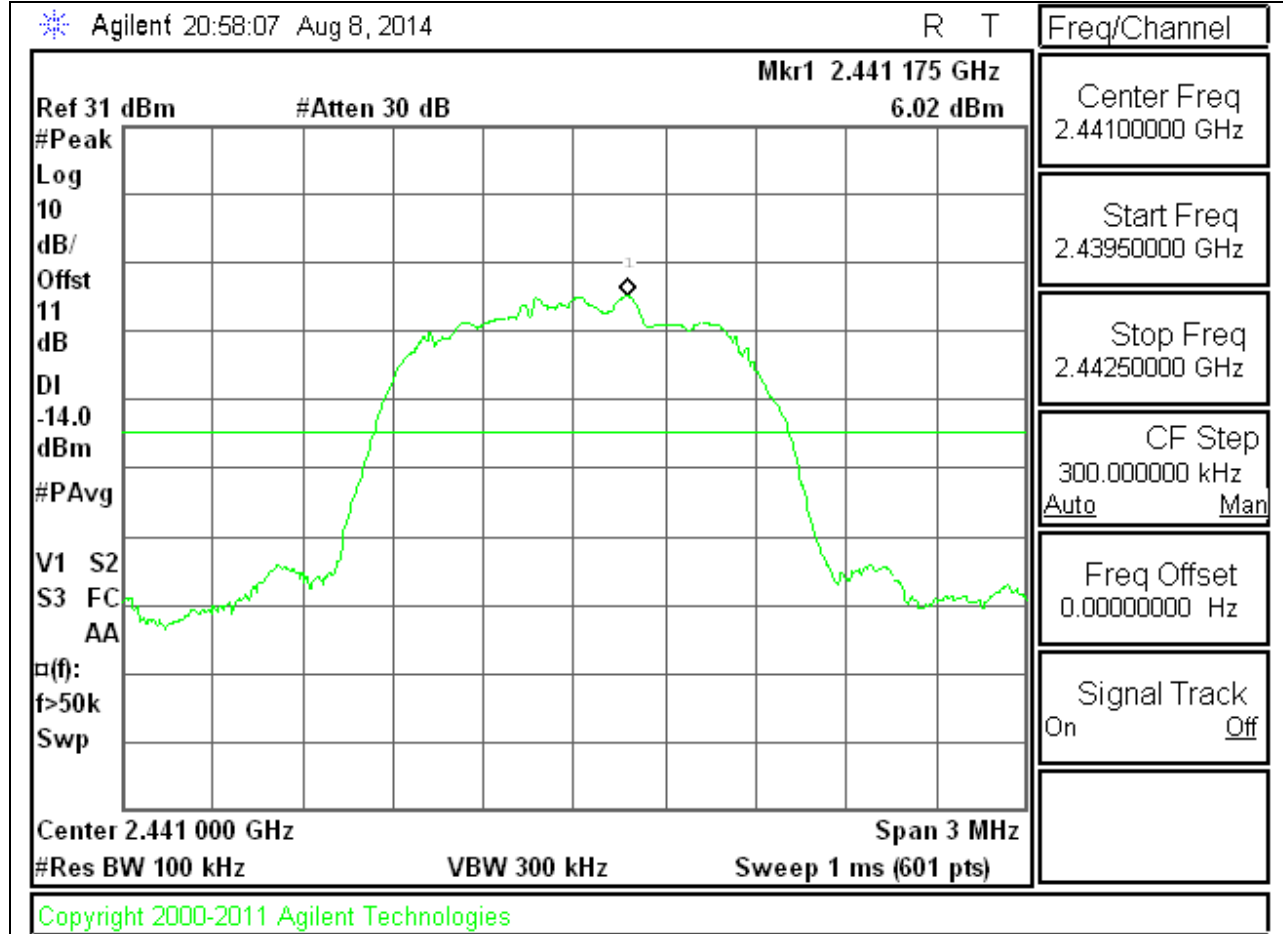


LOW CHANNEL SPURIOUS

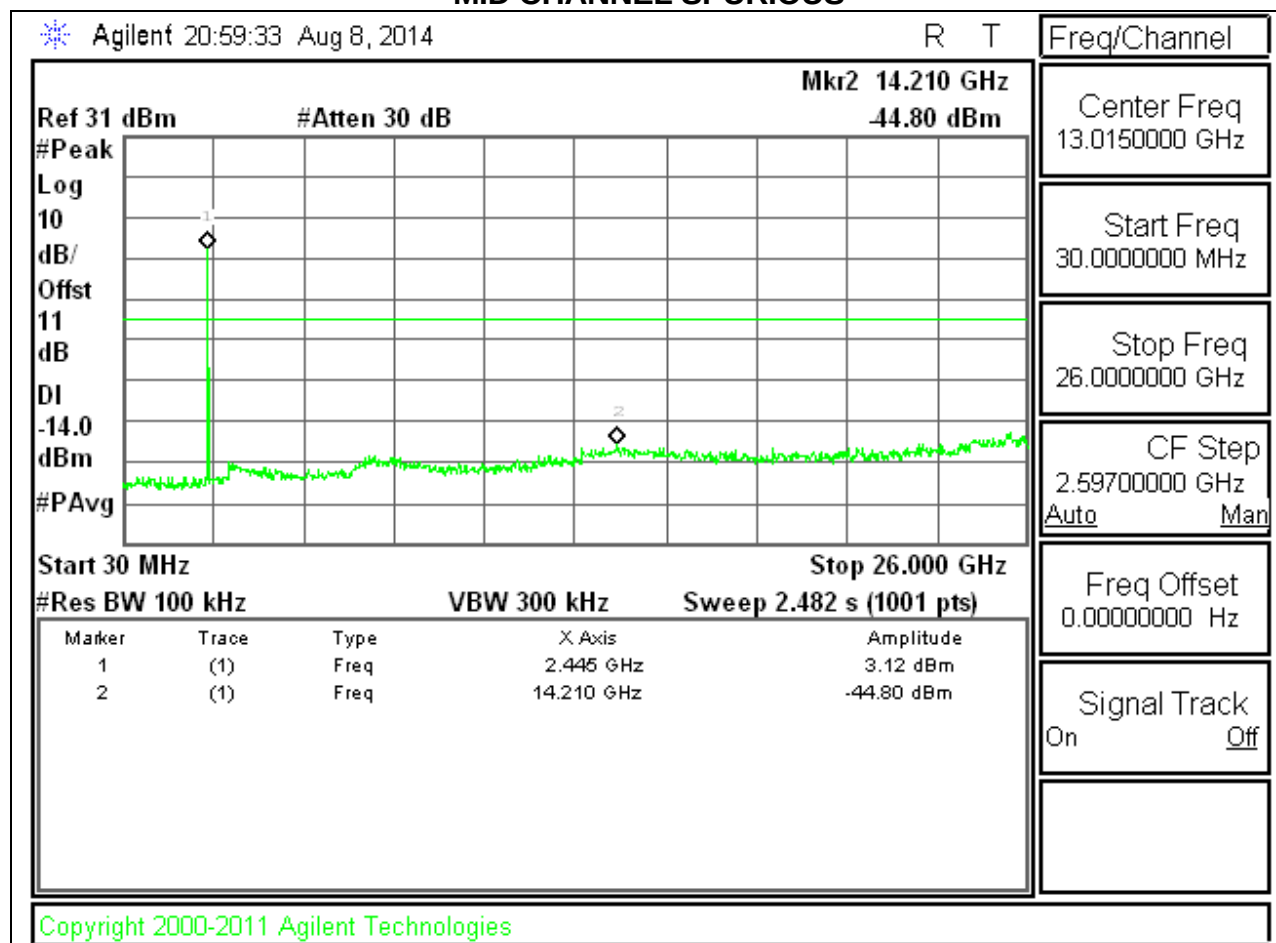


SPURIOUS EMISSIONS, MID CHANNEL

MID CHANNEL BANDEDGE

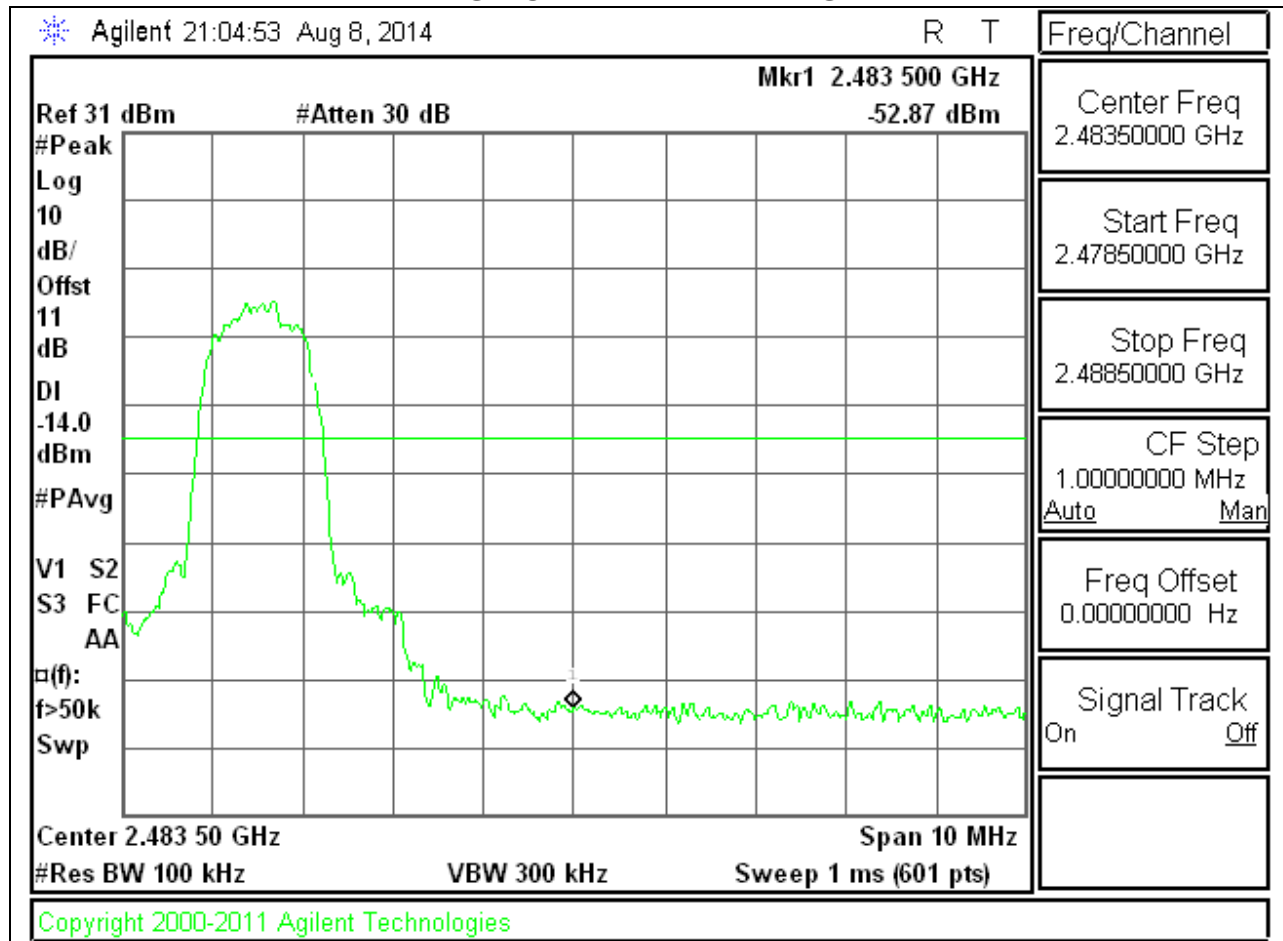


MID CHANNEL SPURIOUS

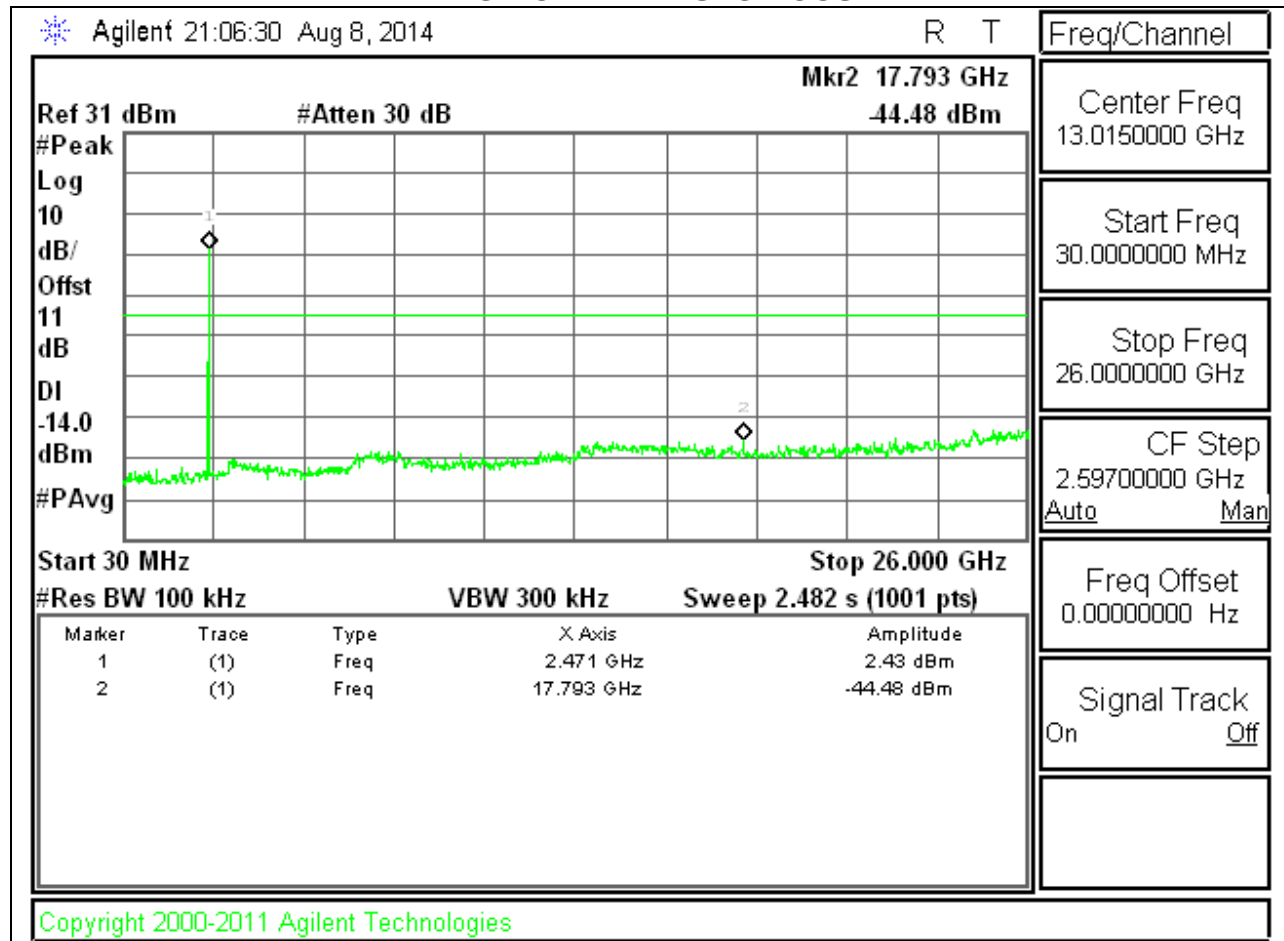


SPURIOUS EMISSIONS, HIGH CHANNEL

HIGH CHANNEL BANDEDGE

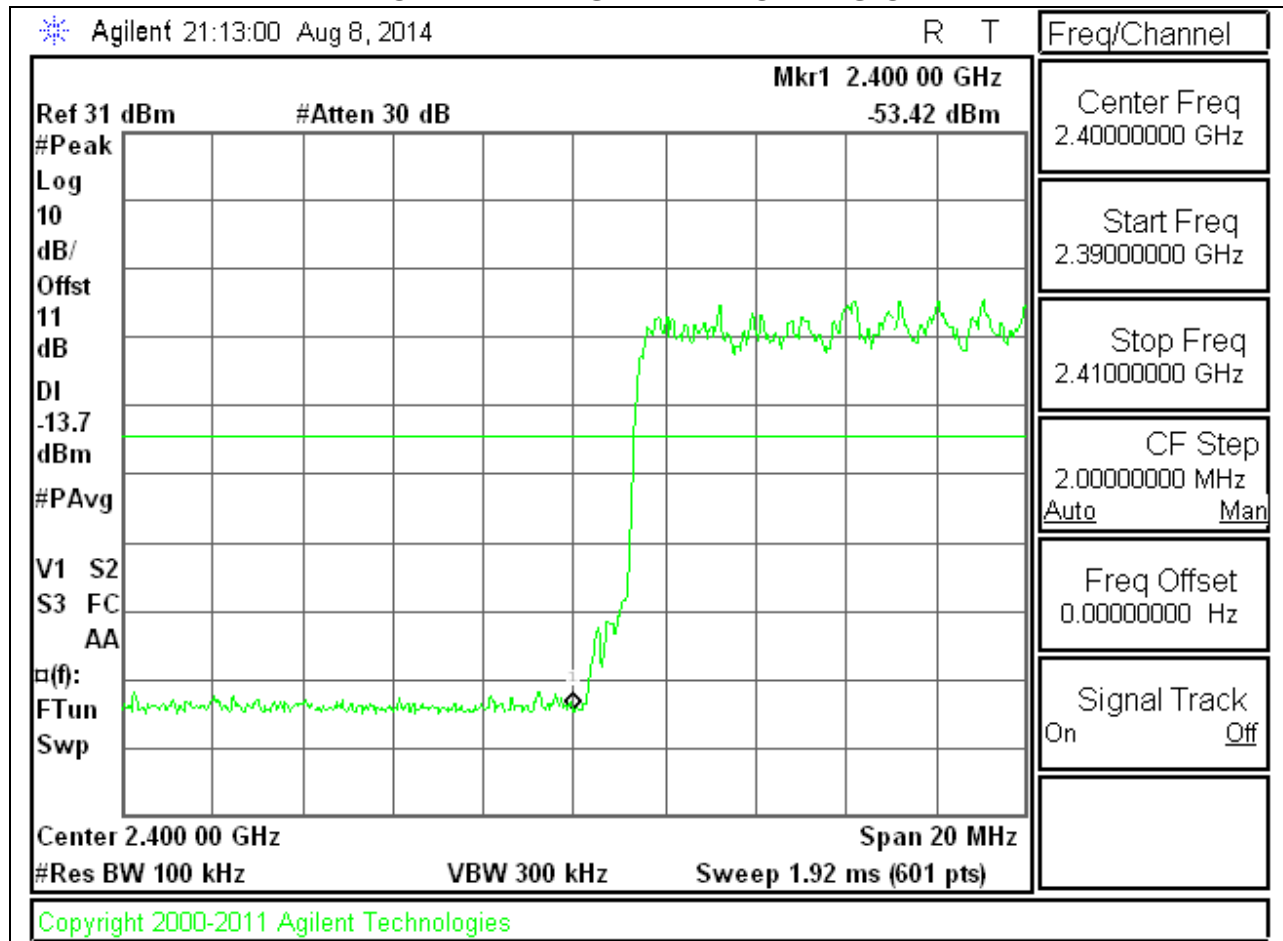


HIGH CHANNEL SPURIOUS

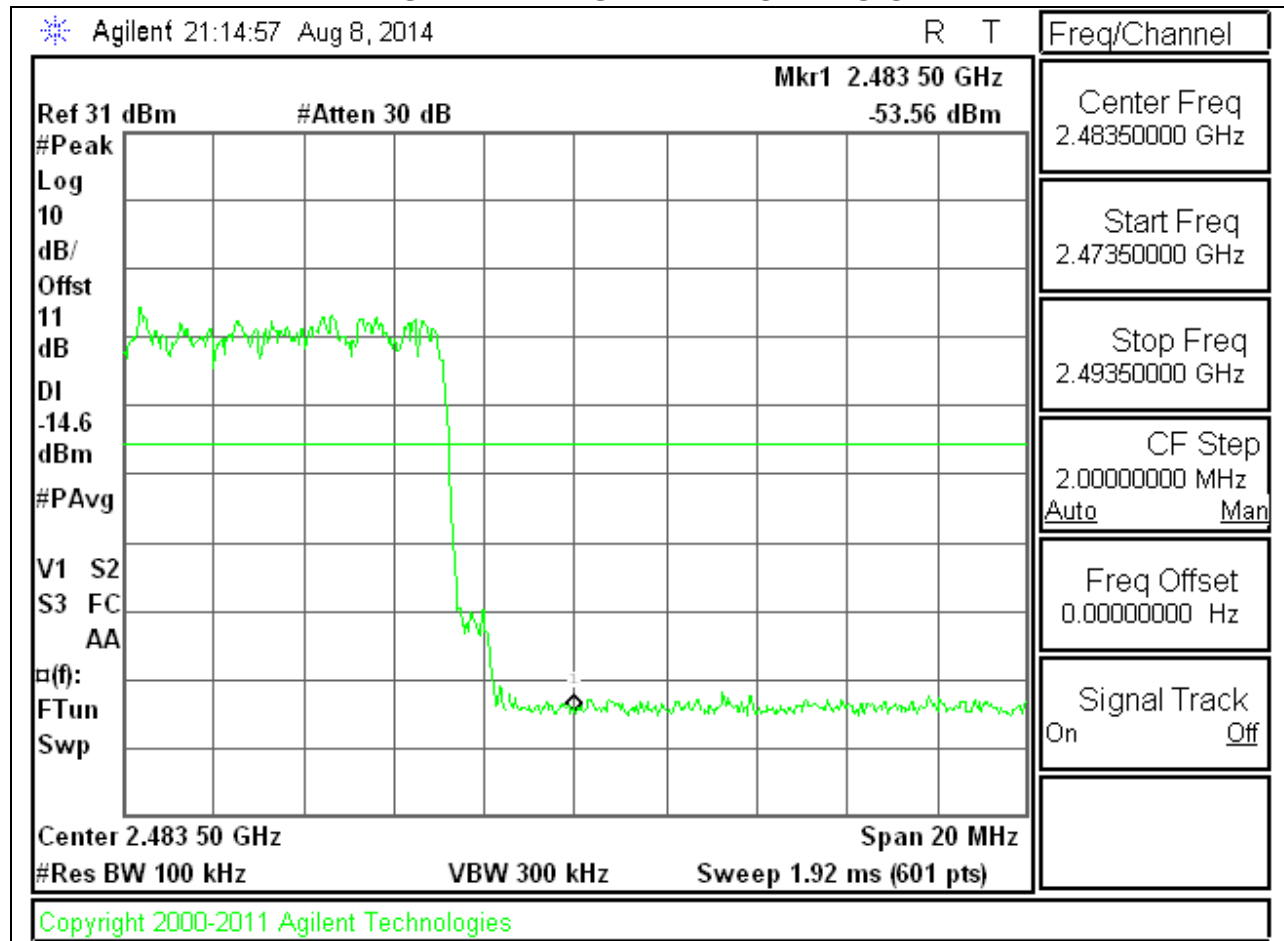


SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

LOW BANDEDGE WITH HOPPING ON



HIGH BANDEDGE WITH HOPPING ON



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. 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 band edge 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 1/T (on time) for average measurement. $GFSK = 1/T = 1 / 0.0028S = 360Hz$.

The spectrum from 1GHzHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

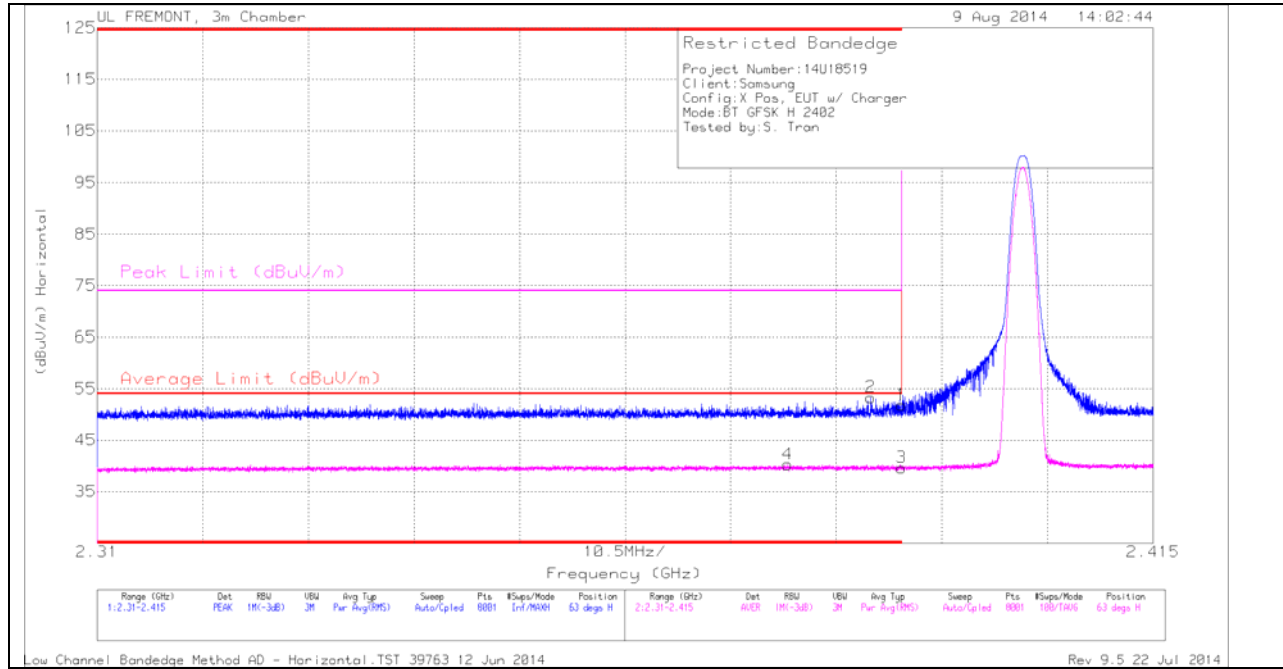
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. BASIC DATA RATE GFSK MODULATION

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



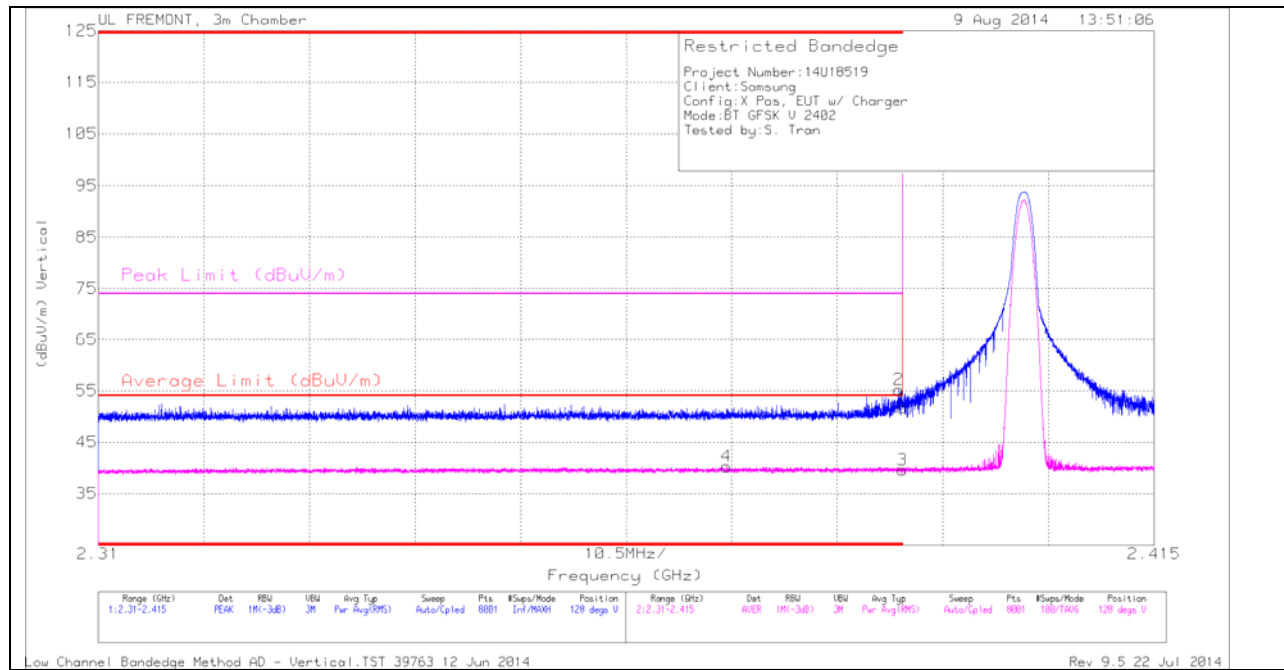
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.379	31.27	VB1T	32.1	-23.1	40.27	54	-13.73	-	-	63	304	H
2	* 2.387	44.32	PK	32.1	-23.1	53.32	-	-	74	-20.68	63	304	H
1	* 2.39	42.82	PK	32.1	-23.1	51.82	-	-	74	-22.18	63	304	H
3	* 2.39	30.64	VB1T	32.1	-23.1	39.64	54	-14.36	-	-	63	304	H

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

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

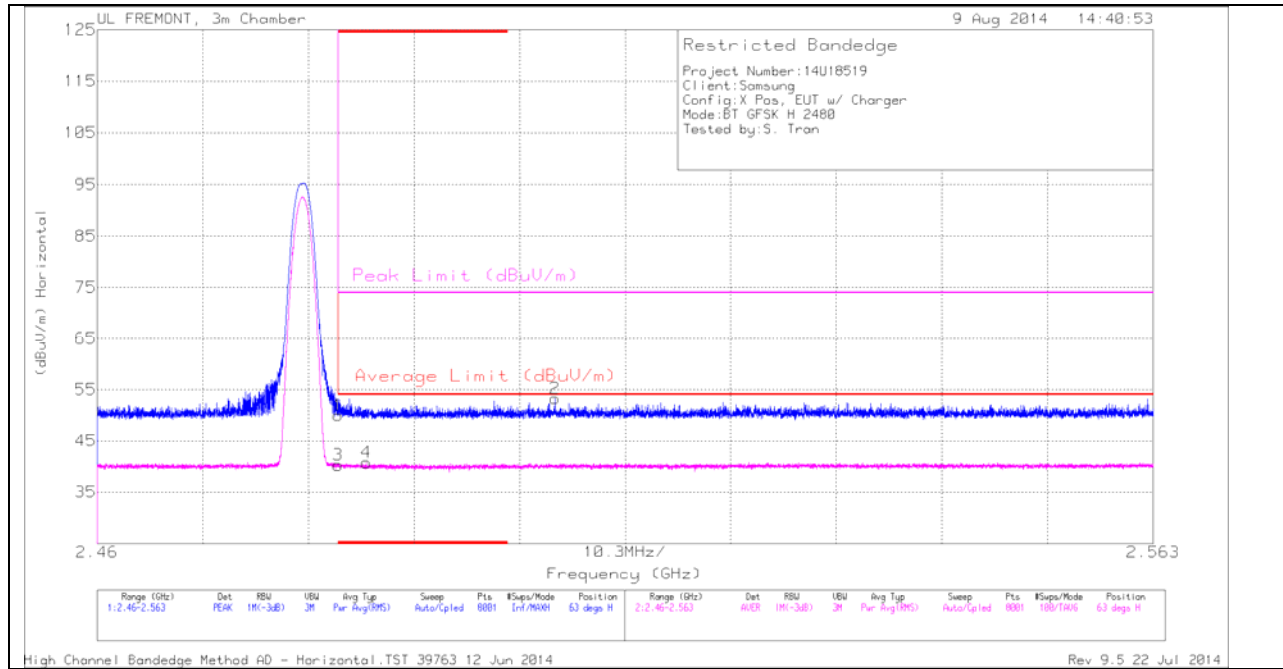
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.372	31.36	VB1T	32	-23.1	40.26	54	-13.74	-	-	128	199	V
1	* 2.39	42.75	PK	32.1	-23.1	51.75	-	-	74	-22.25	128	199	V
2	* 2.39	46.21	PK	32.1	-23.1	55.21	-	-	74	-18.79	128	199	V
3	* 2.39	30.56	VB1T	32.1	-23.1	39.56	54	-14.44	-	-	128	199	V

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

PK - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



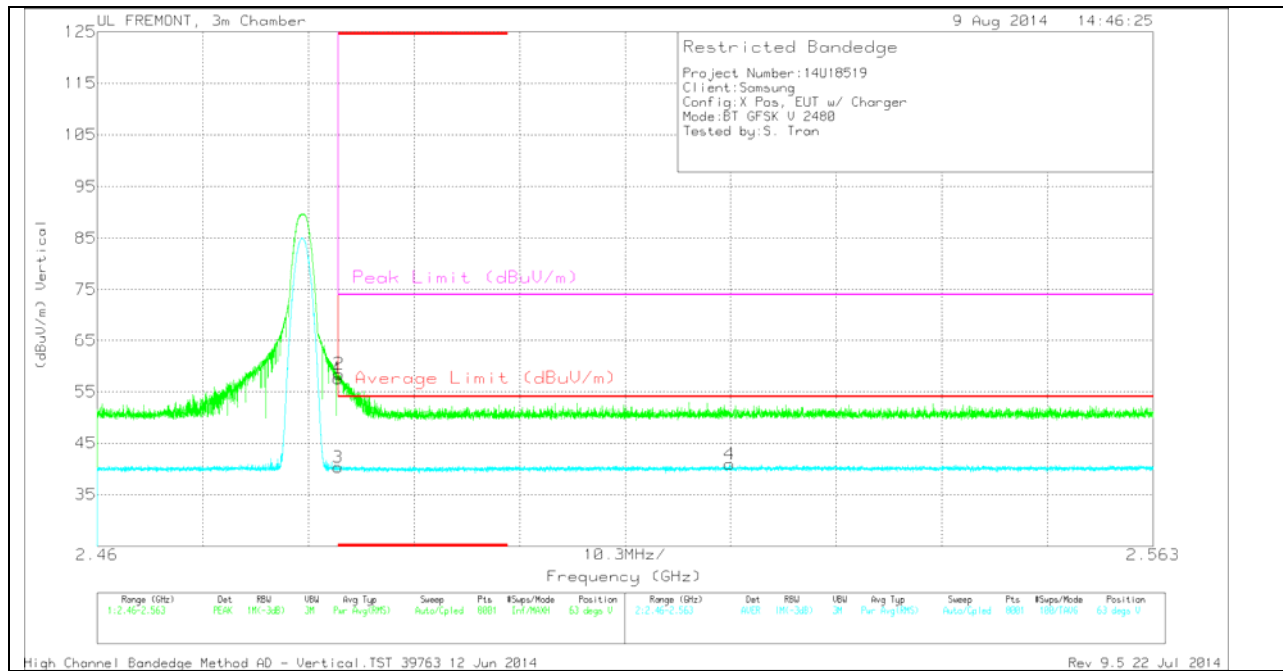
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.47	PK	32.3	-22.8	49.97	-	-	74	-24.03	63	304	H
3	* 2.484	30.76	VB1T	32.3	-22.8	40.26	54	-13.74	-	-	63	304	H
4	* 2.486	31.25	VB1T	32.3	-22.8	40.75	54	-13.25	-	-	63	304	H
2	2.505	43.73	PK	32.3	-22.8	53.23	-	-	74	-20.77	63	304	H

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

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

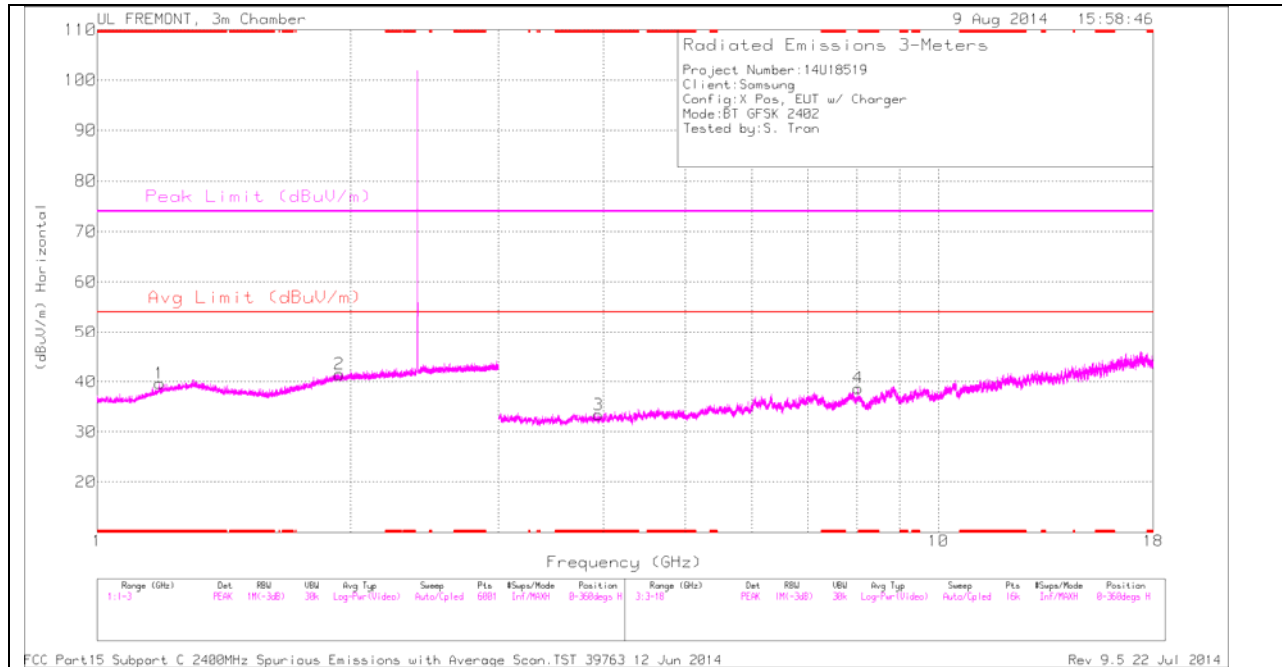
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.09	PK	32.3	-22.8	57.59	-	-	74	-16.41	63	304	V
2	* 2.484	48.91	PK	32.3	-22.8	58.41	-	-	74	-15.59	63	304	V
3	* 2.484	30.81	VB1T	32.3	-22.8	40.31	54	-13.69	-	-	63	304	V
4	2.522	31.31	VB1T	32.4	-22.8	40.91	54	-13.09	-	-	63	304	V

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

PK - Peak detector

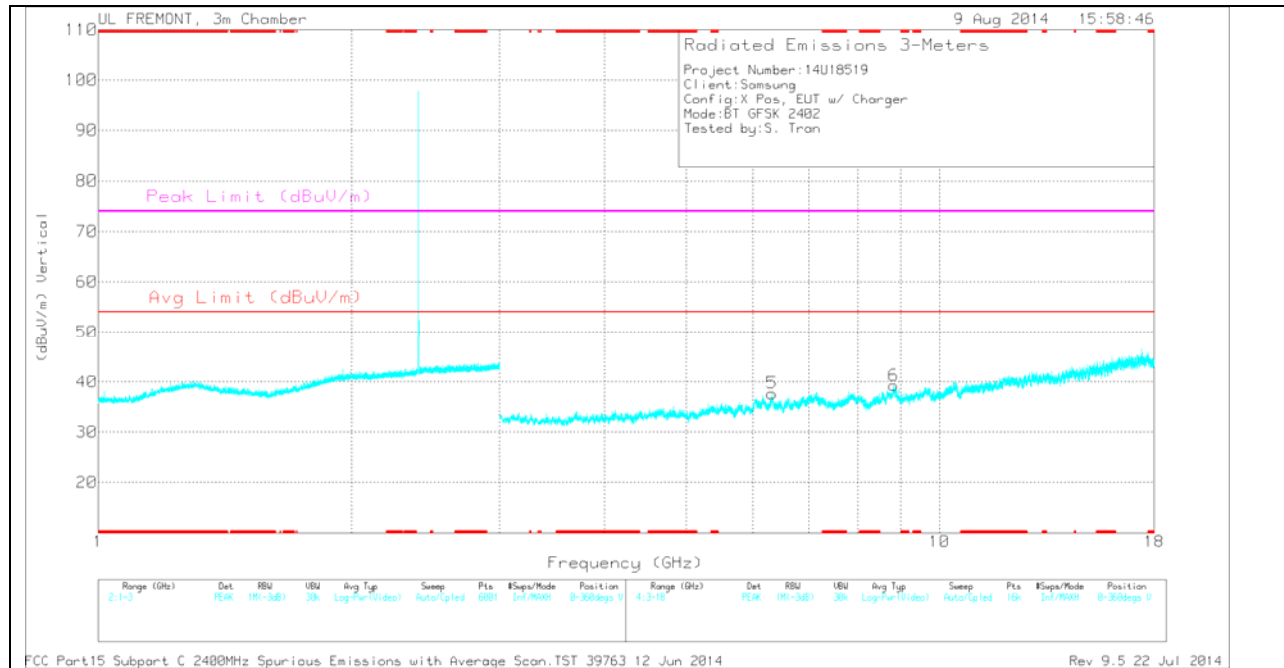
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.187	34.46	PK	29	-23.8	39.66	-	-	74	-34.34	0-360	200	H
3	* 3.946	31.19	PK	33.3	-31.1	33.39	-	-	74	-40.61	0-360	200	H
4	* 8.028	31.12	PK	35.7	-28.1	38.72	-	-	74	-35.28	0-360	200	H
2	1.941	33.27	PK	31.4	-23.2	41.47	-	-	-	-	0-360	100	H
5	6.325	31.51	PK	35.4	-29.2	37.71	-	-	-	-	0-360	100	V
6	8.822	29.86	PK	36	-26.6	39.26	-	-	-	-	0-360	200	V

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

PK - Peak detector

Radiated Emissions

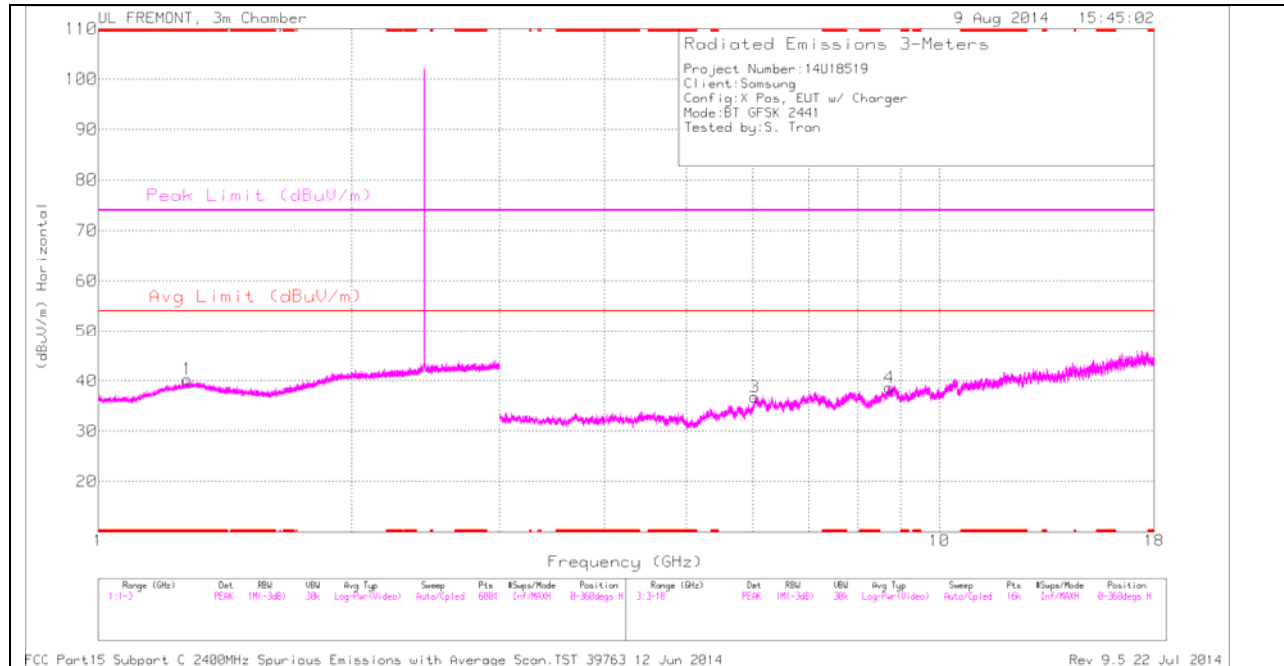
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.948	40.41	PK3	33.3	-31.1	42.61	-	-	74	-31.39	0	200	H
* 3.948	27.72	VB1T	33.3	-31.1	29.92	54	-24.08	-	-	0	200	H

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

PK3 - FHSS Method: Maximum Peak

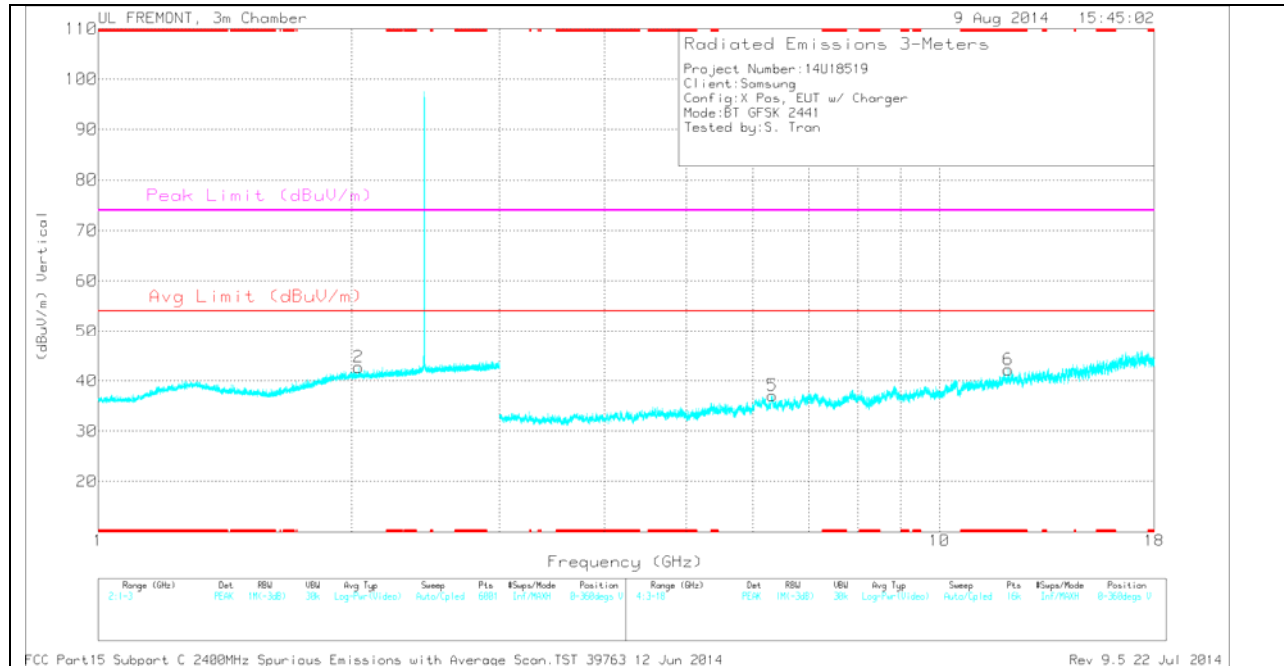
VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.278	34.11	PK	30	-23.8	40.31	-	-	74	-33.69	0-360	200	H
6	* 12.075	29.43	PK	39.1	-26.3	42.23	-	-	74	-31.77	0-360	100	V
2	2.039	34.32	PK	31.6	-23.2	42.72	-	-	-	-	0-360	100	V
3	6.034	30.99	PK	35.3	-29.5	36.79	-	-	-	-	0-360	200	H
5	6.33	30.68	PK	35.4	-29	37.08	-	-	-	-	0-360	100	V
4	8.725	30.36	PK	35.9	-27.6	38.66	-	-	-	-	0-360	200	H

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

PK - Peak detector

Radiated Emissions

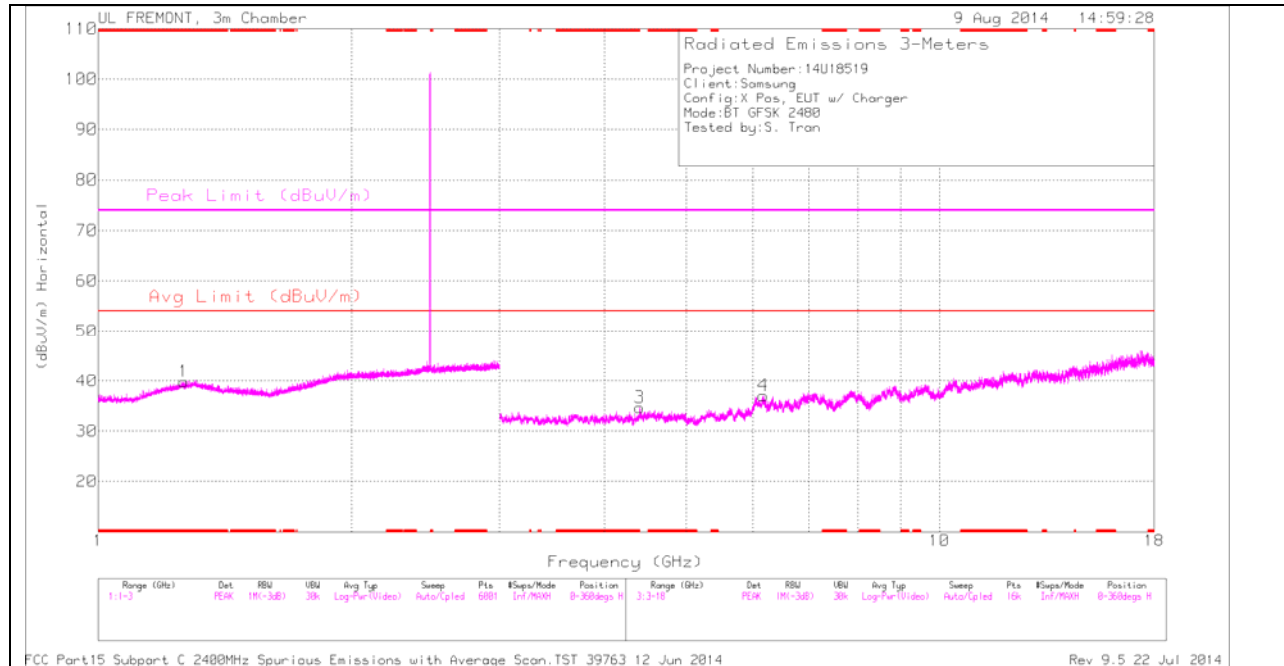
Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 12.076	37.78	PK3	39.1	-26.3	50.58	-	-	74	-23.42	3	100	V
* 12.077	25.07	VB1T	39.1	-26.3	37.87	54	-16.13	-	-	3	100	V

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

PK3 - FHSS Method: Maximum Peak

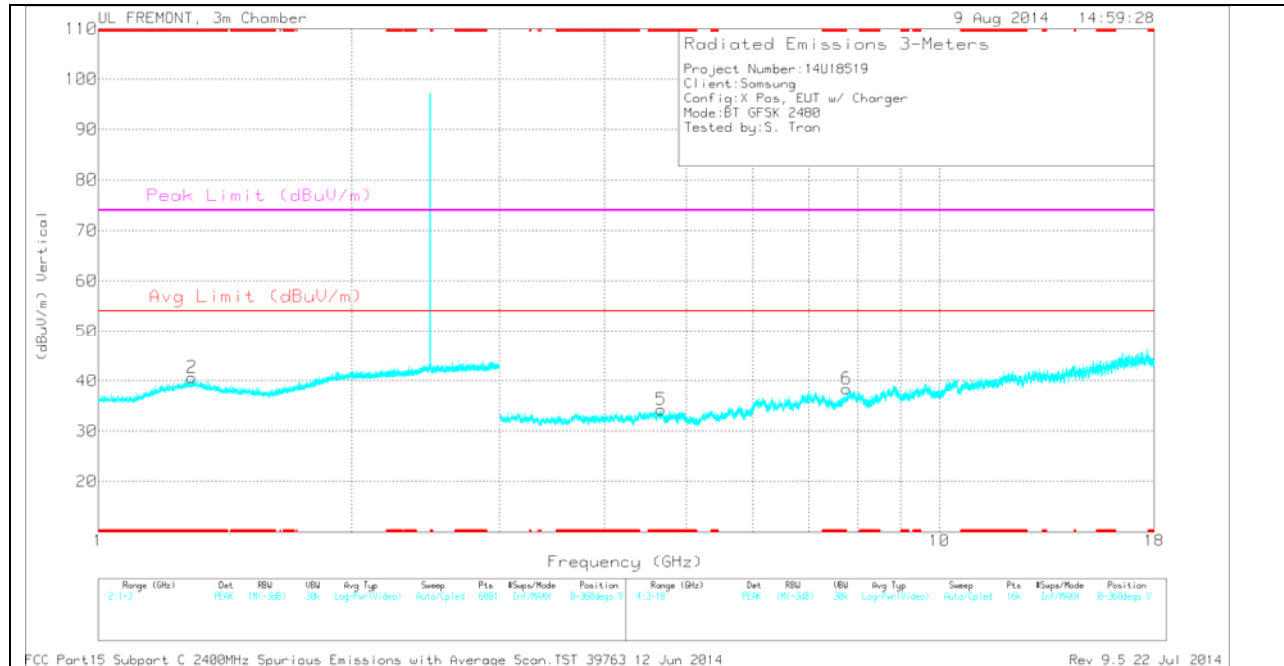
VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.265	33.74	PK	29.9	-23.8	39.84	-	-	74	-34.16	0-360	200	H
2	* 1.293	34.28	PK	30.2	-23.8	40.68	-	-	74	-33.32	0-360	100	V
5	* 4.671	30.92	PK	34.1	-30.7	34.32	-	-	74	-39.68	0-360	200	V
3	4.403	31.1	PK	33.7	-30.1	34.7	-	-	-	-	0-360	200	H
4	6.175	31.78	PK	35.3	-30	37.08	-	-	-	-	0-360	100	H
6	7.756	31.84	PK	35.8	-29.2	38.44	-	-	-	-	0-360	200	V

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

PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.67	39.85	PK3	34.1	-30.7	43.25	-	-	74	-30.75	0	200	V
* 4.672	27.47	VB1T	34.1	-30.7	30.87	54	-23.13	-	-	0	200	V

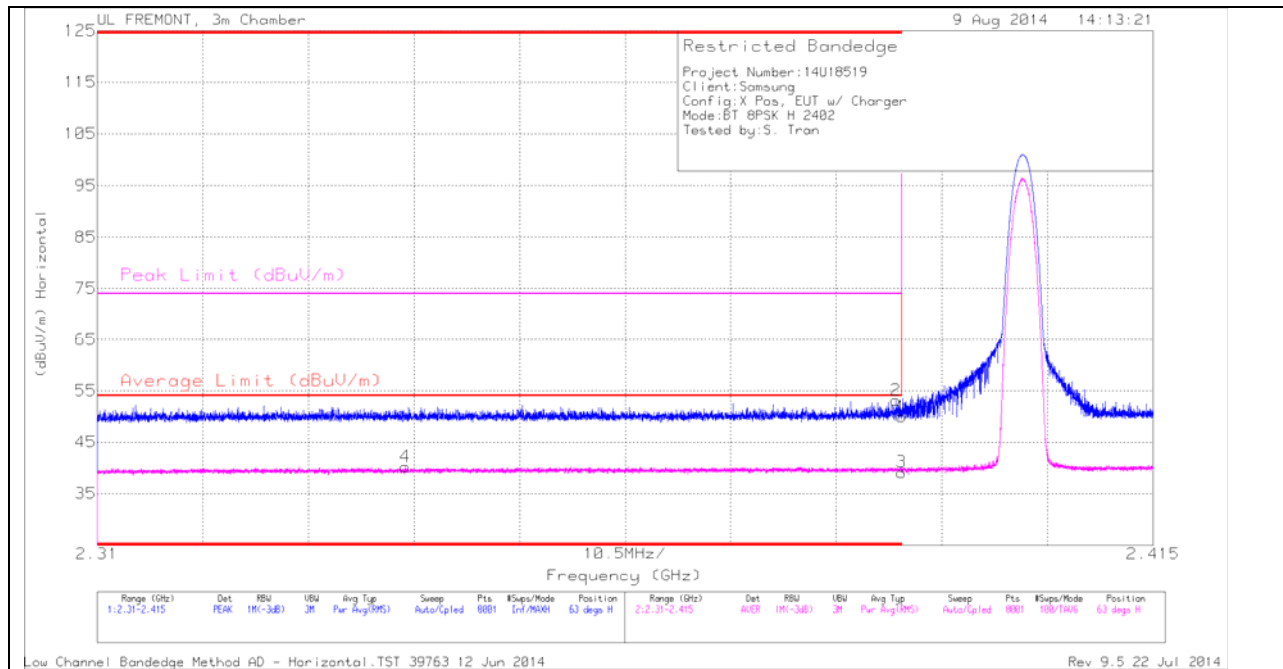
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - FHSS Method: Maximum Peak

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

9.2.2. ENHANCED DATA RATE 8PSK MODULATION RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



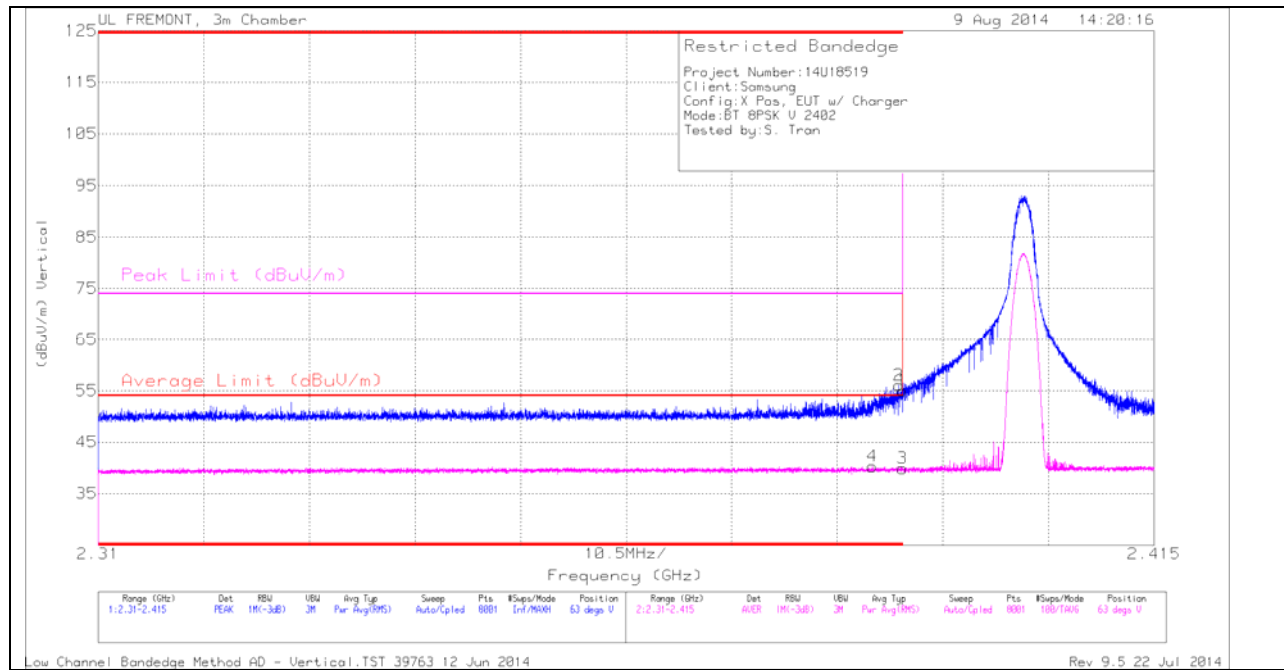
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.341	31.3	VB1T	32	-23.1	40.2	54	-13.8	-	-	63	304	H
2	* 2.389	44.11	PK	32.1	-23.1	53.11	-	-	74	-20.89	63	304	H
1	* 2.39	40.94	PK	32.1	-23.1	49.94	-	-	74	-24.06	63	304	H
3	* 2.39	30.14	VB1T	32.1	-23.1	39.14	54	-14.86	-	-	63	304	H

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

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

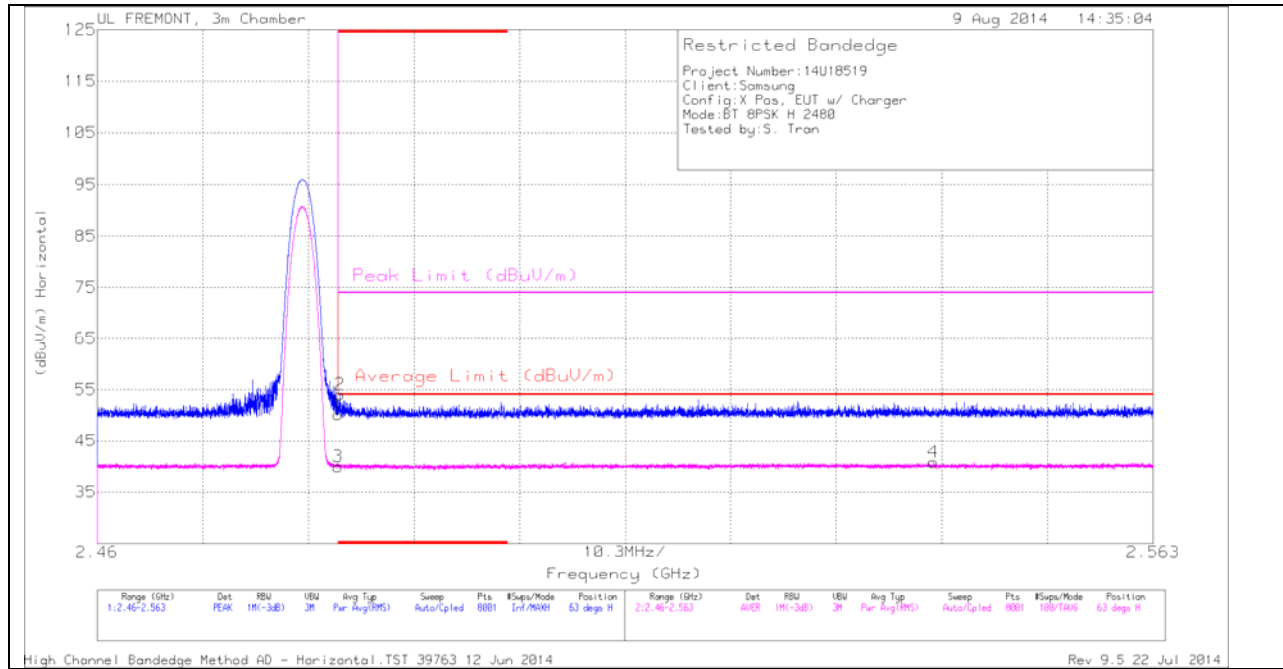
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.387	31.27	VB1T	32.1	-23.1	40.27	54	-13.73	-	-	63	304	V
1	* 2.39	46.02	PK	32.1	-23.1	55.02	-	-	74	-18.98	63	304	V
2	* 2.39	47.04	PK	32.1	-23.1	56.04	-	-	74	-17.96	63	304	V
3	* 2.39	30.89	VB1T	32.1	-23.1	39.89	54	-14.11	-	-	63	304	V

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

PK - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



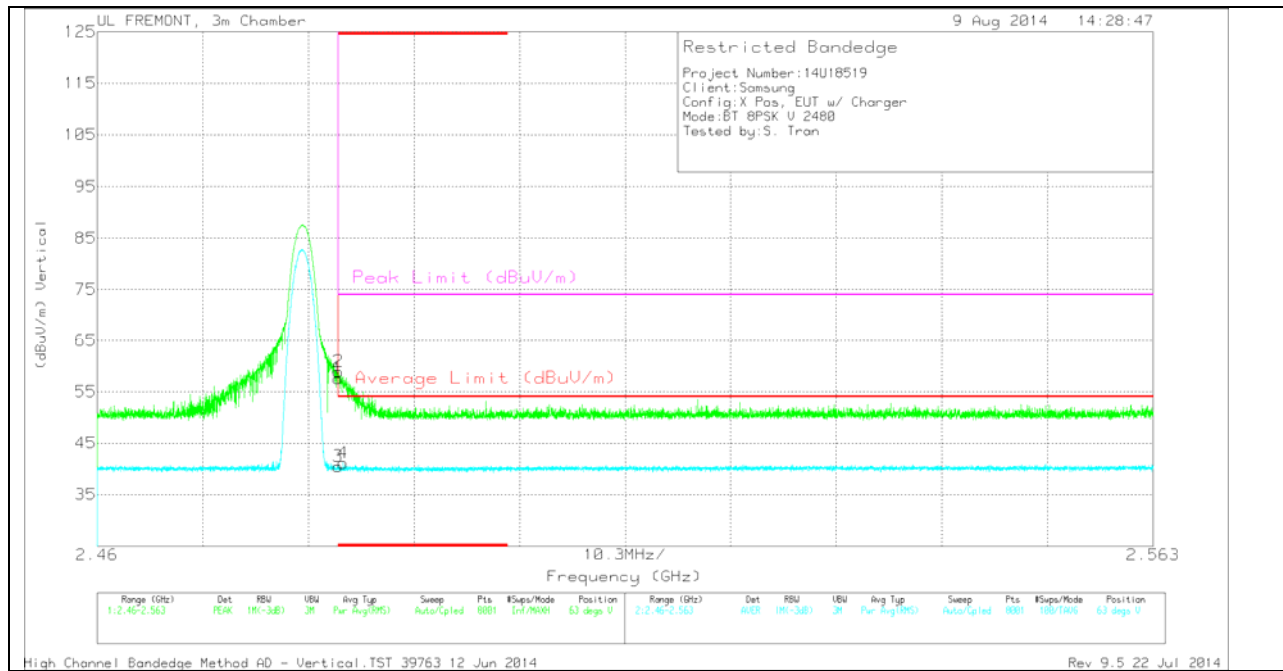
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.59	PK	32.3	-22.8	50.09	-	-	74	-23.91	63	304	H
2	* 2.484	44.52	PK	32.3	-22.8	54.02	-	-	74	-19.98	63	304	H
3	* 2.484	30.49	VB1T	32.3	-22.8	39.99	54	-14.01	-	-	63	304	H
4	2.542	31.04	VB1T	32.4	-22.6	40.84	54	-13.16	-	-	63	304	H

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

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

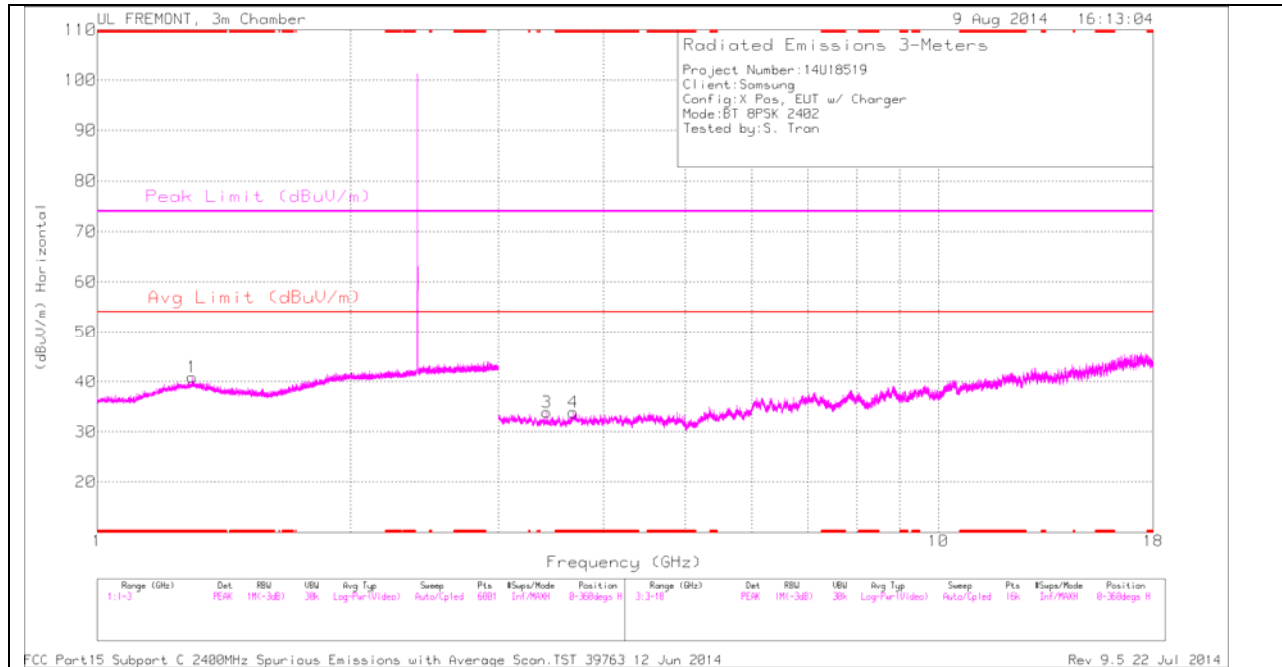
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.01	PK	32.3	-22.8	57.51	-	-	74	-16.49	63	304	V
2	* 2.484	49.41	PK	32.3	-22.8	58.91	-	-	74	-15.09	63	304	V
3	* 2.484	30.95	VB1T	32.3	-22.8	40.45	54	-13.55	-	-	63	304	V
4	* 2.484	31.62	VB1T	32.3	-22.8	41.12	54	-12.88	-	-	63	304	V

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

PK - Peak detector

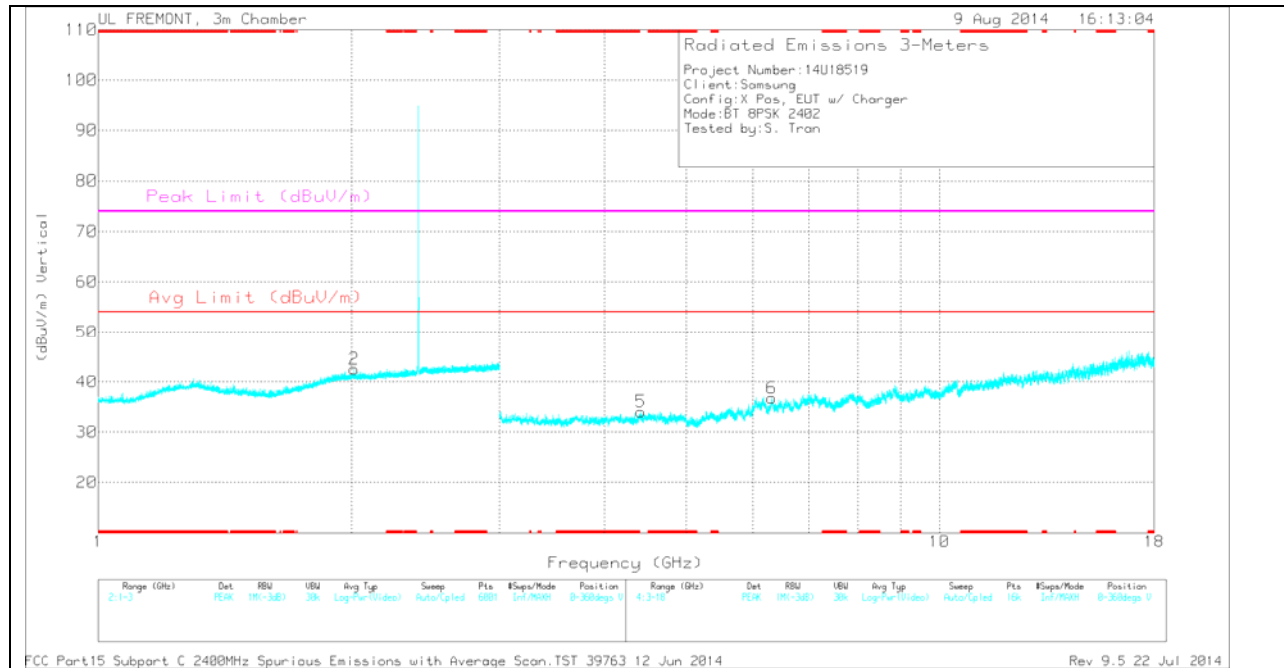
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.297	34.47	PK	30.2	-23.8	40.87	-	-	74	-33.13	0-360	100	H
4	* 3.682	31.37	PK	33.2	-30.7	33.87	-	-	74	-40.13	0-360	100	H
2	2.014	34.14	PK	31.6	-23.2	42.54	-	-	-	-	0-360	200	V
3	3.424	32.58	PK	32.9	-31.6	33.88	-	-	-	-	0-360	100	H
5	4.42	30.95	PK	33.7	-30.6	34.05	-	-	-	-	0-360	200	V
6	6.323	30.67	PK	35.4	-29.3	36.77	-	-	-	-	0-360	100	V

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

PK - Peak detector

Radiated Emissions

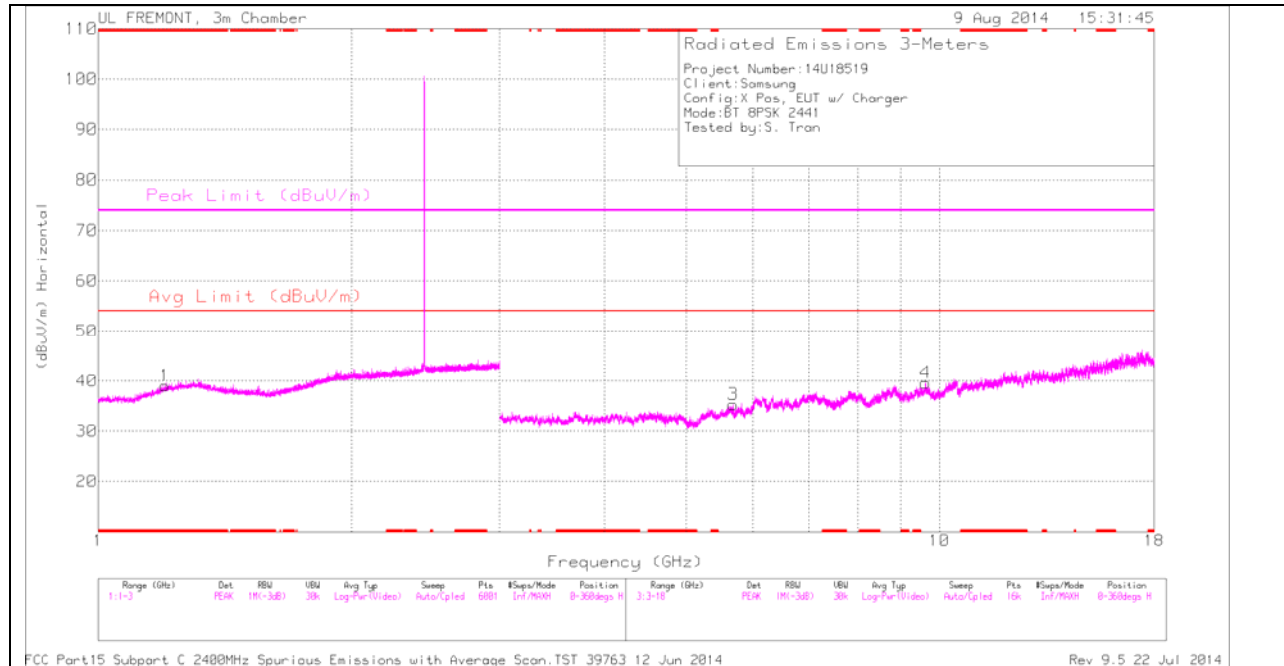
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.681	40.22	PK3	33.2	-30.7	42.72	-	-	74	-31.28	0	100	H
* 3.683	27.79	VB1T	33.2	-30.7	30.29	54	-23.71	-	-	0	100	H

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

PK3 - FHSS Method: Maximum Peak

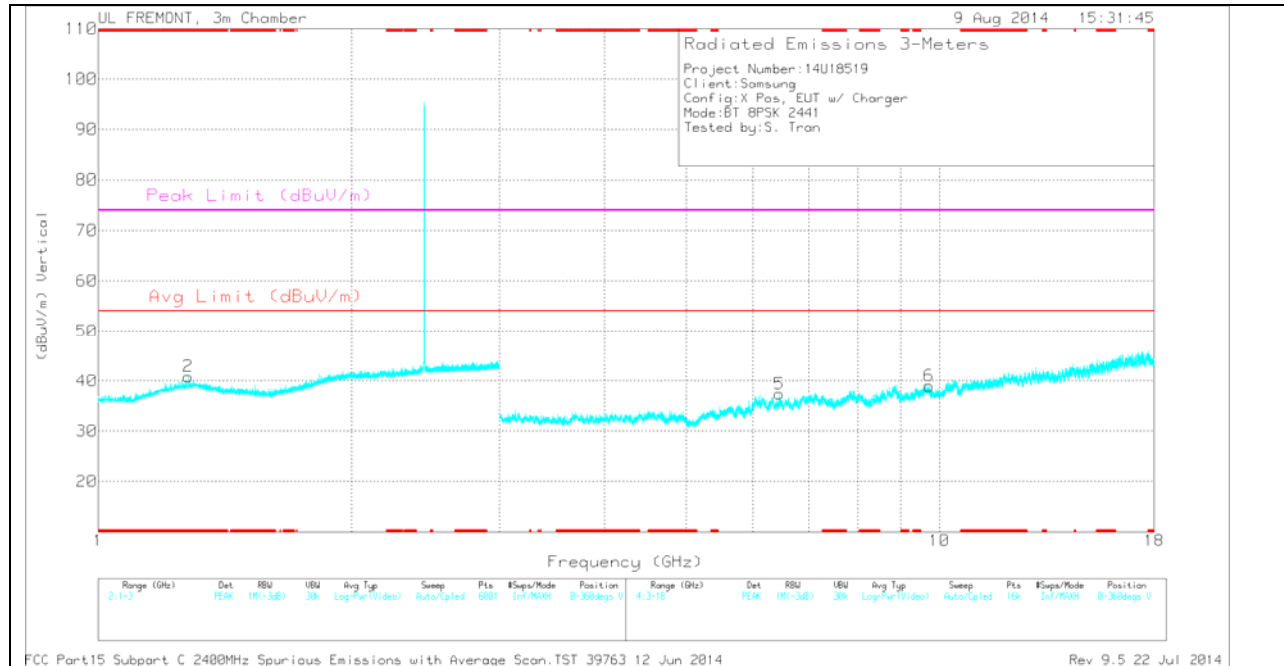
VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.2	33.61	PK	29.2	-23.8	39.01	-	-	74	-34.99	0-360	200	H
2	* 1.279	34.64	PK	30	-23.8	40.84	-	-	74	-33.16	0-360	100	V
3	5.685	30.93	PK	34.8	-30.4	35.33	-	-	-	-	0-360	100	H
5	6.448	32.1	PK	35.5	-30.2	37.4	-	-	-	-	0-360	200	V
4	9.627	28.2	PK	36.7	-25.3	39.6	-	-	-	-	0-360	200	H
6	9.721	27.58	PK	36.9	-25.5	38.98	-	-	-	-	0-360	200	V

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

PK - Peak detector

Radiated Emissions

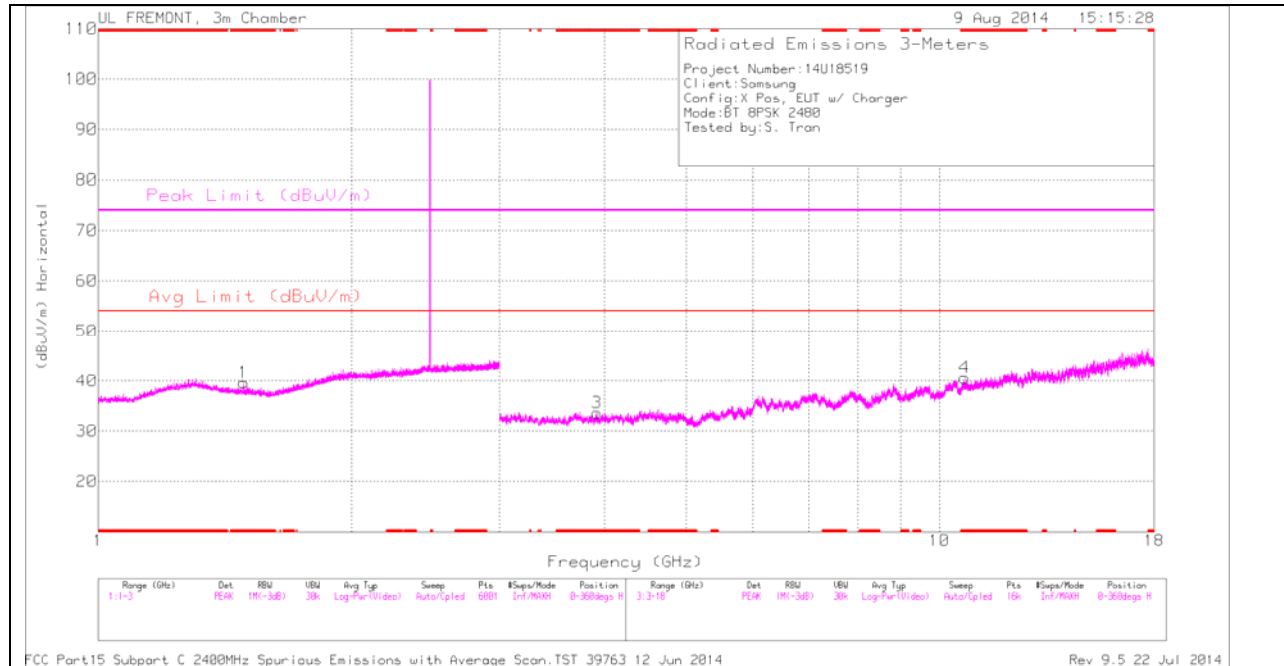
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.281	43.21	PK3	30	-23.8	49.41	-	-	74	-24.59	0	100	V
* 1.281	30.09	VB1T	30	-23.8	36.29	54	-17.71	-	-	0	100	V

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

PK3 - FHSS Method: Maximum Peak

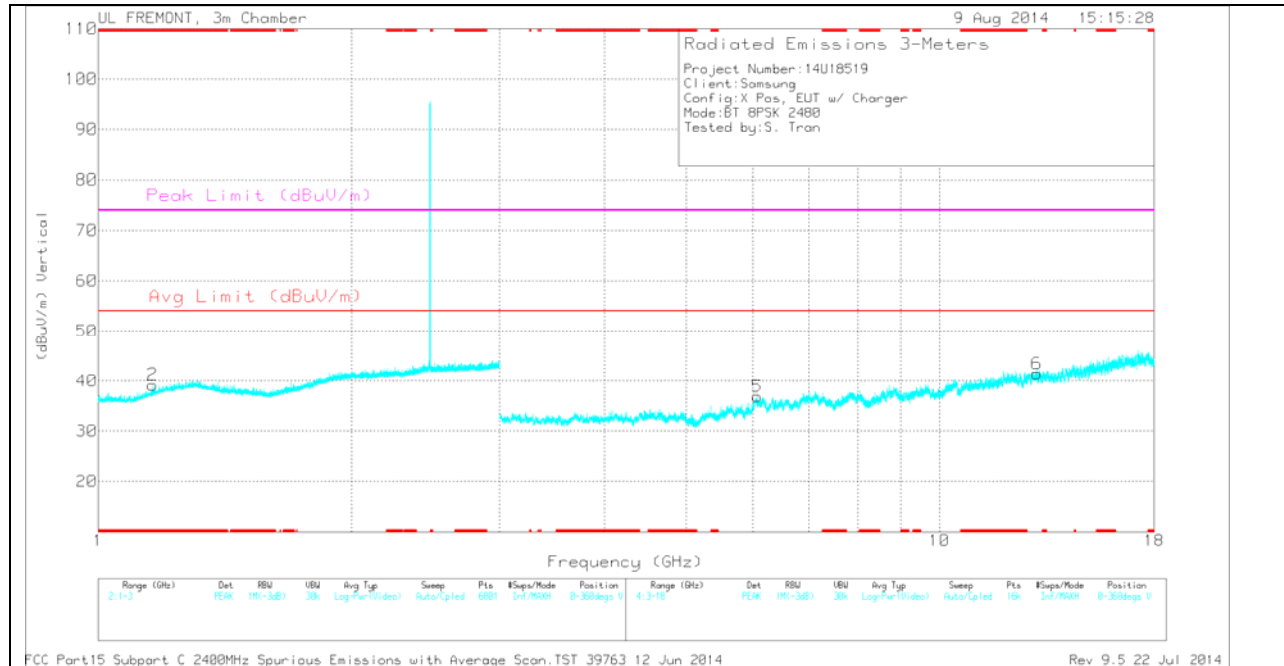
VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.49	34.63	PK	28.6	-23.6	39.63	-	-	74	-34.37	0-360	100	H
2	* 1.161	34.5	PK	28.5	-23.8	39.2	-	-	74	-34.8	0-360	100	V
3	* 3.916	31.51	PK	33.3	-31.2	33.61	-	-	74	-40.39	0-360	200	H
4	* 10.711	27.71	PK	37.9	-25	40.61	-	-	74	-33.39	0-360	100	H
5	6.078	30.58	PK	35.3	-29	36.88	-	-	-	-	0-360	100	V
6	13.056	29.61	PK	39.1	-27.3	41.41	-	-	-	-	0-360	100	V

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

PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.711	36.56	PK3	37.9	-25	49.46	-	-	74	-24.54	0	100	H
* 10.713	23.68	VB1T	37.9	-25	36.58	54	-17.42	-	-	0	100	H

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

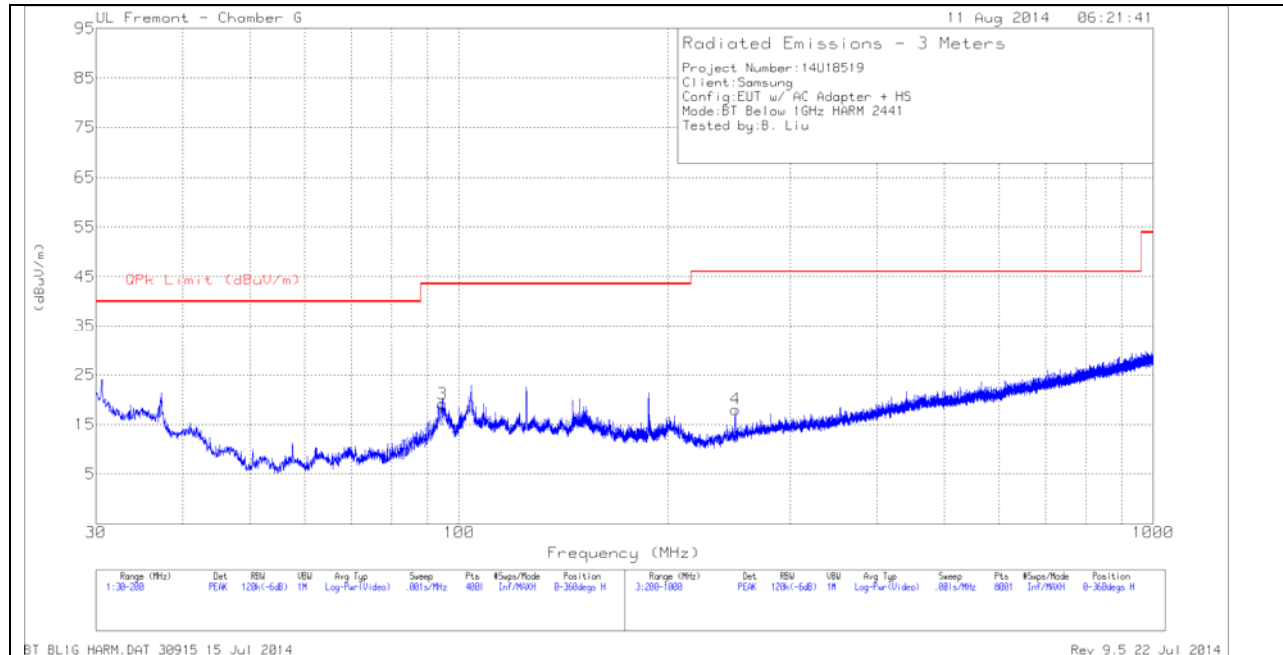
PK3 - FHSS Method: Maximum Peak

VB1T - FHSS Method: VB=1/Ton, Voltage Averaging Max Hold where: Ton is the duration of the packet

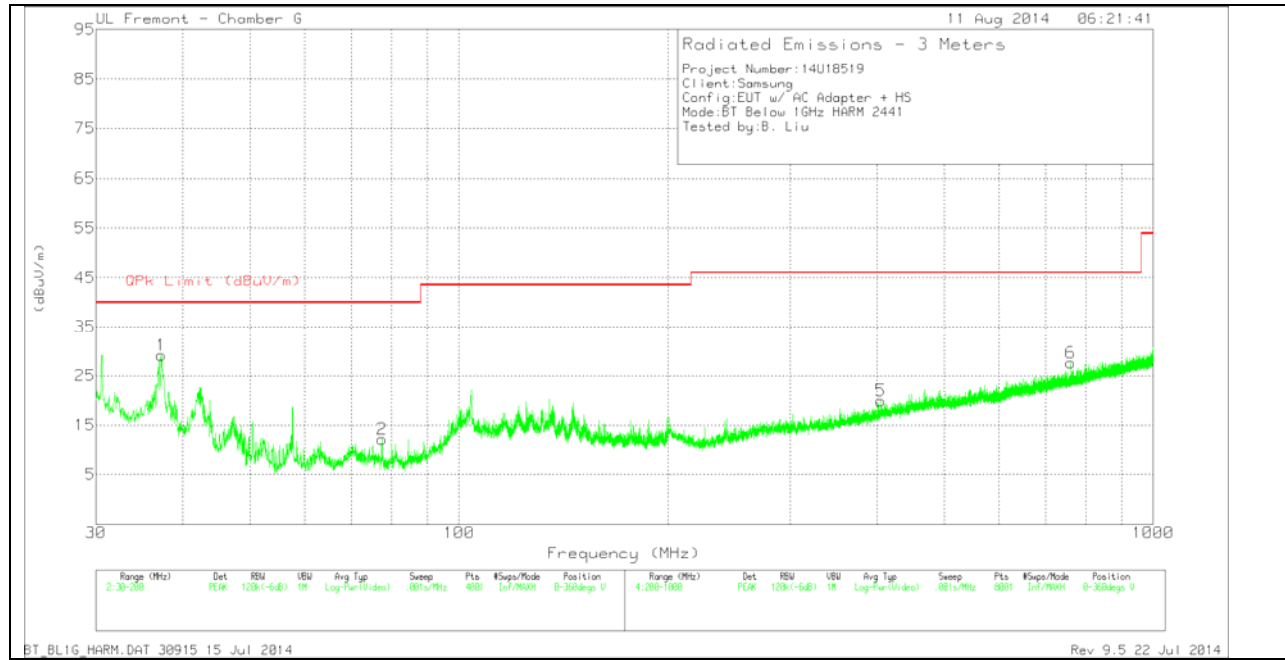
9.3. WORST-CASE BELOW 1 GHz

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

HORIZONTAL PLOT



VERTICAL PLOT



BELOW 1 GHz TABLE

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Hybrid	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 250	32.05	PK	14.9	-28.9	18.05	46.02	-27.97	0-360	100	H
5	* 405	29.25	PK	18.7	-28	19.95	46.02	-26.07	0-360	301	V
1	37.225	40.91	PK	19.1	-30.9	29.11	40	-10.89	0-360	100	V
2	77.43	31.85	PK	10.6	-30.3	12.15	40	-27.85	0-360	100	V
3	94.685	37.67	PK	11.6	-30.2	19.07	43.52	-24.45	0-360	201	H
6	761	30.41	PK	23.7	-26.5	27.61	46.02	-18.41	0-360	301	V

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

PK - 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.

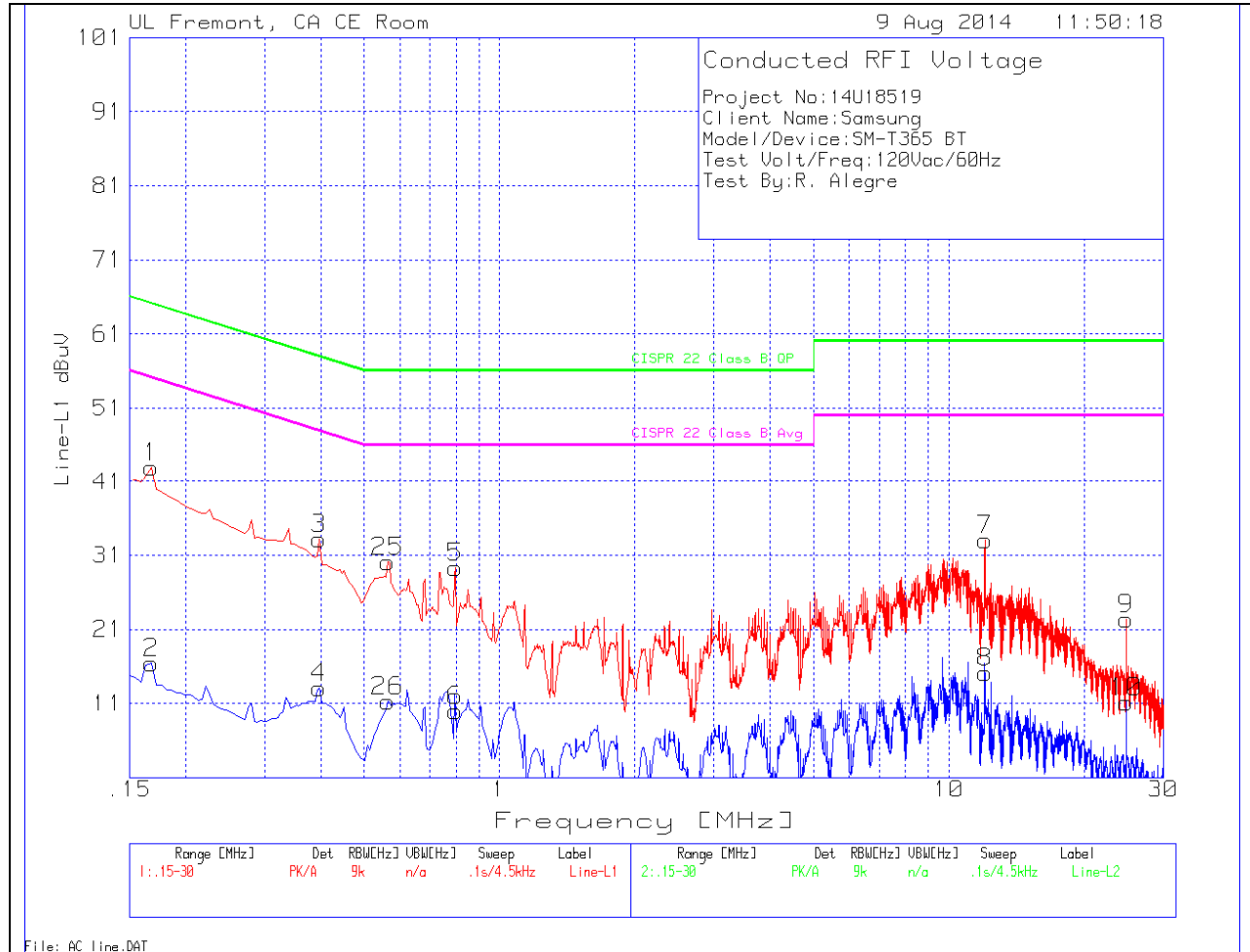
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

6 WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1 (dB)	LC Cables 1&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
1	.168	41.8	PK	1.2	0	43	65.1	-22.1	-	-
2	.168	15.2	Av	1.2	0	16.4	-	-	55.1	-38.7
3	.3975	32.8	PK	.4	0	33.2	57.9	-24.7	-	-
4	.3975	12.72	Av	.4	0	13.12	-	-	47.9	-34.78
25	.564	29.85	PK	.3	0	30.15	56	-25.85	-	-
26	.564	10.97	Av	.3	0	11.27	-	-	46	-34.73
5	.798	29.07	PK	.3	0	29.37	56	-26.63	-	-
6	.798	9.73	Av	.3	0	10.03	-	-	46	-35.97
7	12.0165	32.71	PK	.2	.2	33.11	60	-26.89	-	-
8	12.0165	14.76	Av	.2	.2	15.16	-	-	50	-34.84
9	24.783	21.8	PK	.3	.3	22.4	60	-37.6	-	-
10	24.783	10.52	Av	.3	.3	11.12	-	-	50	-38.88

LINE 2 PLOT



LINE 2 RESULTS

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2 (dB)	LC Cables 2&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
11	.1635	48.7	PK	1.3	0	50	65.3	-15.3	-	-
12	.1635	19.08	Av	1.3	0	20.38	-	-	55.3	-34.92
13	.222	44.95	PK	.9	0	45.85	62.7	-16.85	-	-
14	.222	16	Av	.9	0	16.9	-	-	52.7	-35.8
15	.7935	28.66	PK	.3	0	28.96	56	-27.04	-	-
16	.7935	4.99	Av	.3	0	5.29	-	-	46	-40.71
17	1.0995	29.76	PK	.3	.1	30.16	56	-25.84	-	-
18	1.0995	11.31	Av	.3	.1	11.71	-	-	46	-34.29
19	9.249	27.09	PK	.2	.1	27.39	60	-32.61	-	-
20	9.249	4.7	Av	.2	.1	5	-	-	50	-45
21	9.8205	26.8	PK	.2	.2	27.2	60	-32.8	-	-
22	9.8205	6	Av	.2	.2	6.4	-	-	50	-43.6
23	15.162	25.7	PK	.3	.2	26.2	60	-33.8	-	-
24	15.162	5.8	Av	.3	.2	6.3	-	-	50	-43.7