



PERSONAL COMMUNICATIONS SECTOR

**PRODUCT SAFETY AND COMPLIANCE
EMC LABORATORY**

EMC TEST REPORT - Addendum

Test Report Number – 16737-1BT

Report Date – August-24-2005

Revision 2

The test results contained herein relate only to the model(s) identified. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics.

As the responsible EMC Engineer, I hereby declare that the equipment tested as specified in this report conforms to the requirements indicated.

A handwritten signature in cursive script that reads 'Mark Sidlow'.

Signature:

Name: Mark Sidlow

Title: Senior Electrical Engineer

Date : 2005-24-05

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THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY A2LA OR ANY AGENCY OF THE U.S. GOVERNMENT.

A2LA Certificate Number: 1651.01



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Test Report Details

Tests Performed By: Motorola Personal Communications Sector
Product Safety and Compliance Group
600 North US Hwy 45
Libertyville, IL 60048
PH (847) 523-6167 Fax (847) 523-4538
Motorola PCS FRN: 0004321311
FCC Registration Number: 316588
Industry Canada Number: IC3908

Radiated Emissions
Performed By: Motorola Personal Communications Sector
Product Safety and Compliance Group
600 North US Hwy 45
Libertyville, IL 60048
PH (847) 523-6167 Fax (847) 523-4538
Motorola PCS FRN: 0004321311
FCC Registration Number: 316588
Industry Canada Number: IC3908

Tests Requested By: Motorola Inc.
Personal Communications Sector
600 North US Hwy 45
Libertyville, IL 60048

Product Type: Cellular Phone

Signaling Capability: CDMA 800 & 1900, Bluetooth

Model Number: V3c

Serial Numbers: 5281F21A, 5281F21F,
5281F20E, 5281F21C

Testing Complete Date: August 23, 2005

Applicable Standards

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-part J as well as the following parts:

- ☒ Part 15 Subpart C – Intentional Radiators
- ☐ Part 22 Subpart H - Public Mobile Services
- ☐ Part 24 - Personal Communications Services
- ☐ Part 90 - Private Land Mobile Radio Service

Applicable Standards: TIA EIA 137-A, TIA EIA 98-C, ANSI 63.4 2001, RSS-118 (AMPS), RSS-128 (TDMA), RSS-129 (CDMA), RSS-133 (PCS)

DA 00-705, "Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems" published by the Federal Communications Commission was also used in the testing of this product.

Summary of Testing

Test	Test Name	Pass/Fail
1	Carrier Frequency Separation	Result
2	Number of Hopping Frequencies	Result
3	Time of Occupancy (Dwell Time)	Result
4	20 dB Bandwidth	Result
5	Spurious RF Conducted Emissions	Result
6	Field Strength of Spurious Emissions	Result
7	Max Power	N/A
8	Band Edges	See plots
9	Conducted Spurious Emissions	Result

Test	Test Name	Results
1	Carrier Frequency Separation	1.0 MHz
2	Number of Hopping	79
3	Time of Occupancy (Dwell Time)	2.982 ms
4	20 dB Bandwidth	1.0 MHz
5	Spurious RF Conducted Emissions	See plots
6	Field Strength of Spurious Emissions	See plots
7	Max Power	0.827 dBm
8	Band Edges	See plots
9	Conducted Spurious Emissions	See plots

The margin with respect to the limit is the minimum margin for all modes and bands. () indicates the margin at which the product exceeds the limit.

General and Special Conditions

The EUT was tested using a fully charged battery when applicable. Where a battery could not be used due to the need for a controlled variation of input voltage, an external power supply was utilized.

All testing was done in an indoor controlled environment with an average temperature of 22° C and relative humidity of 50%.

Equipment and Cable Configurations

The EUT was tested in a stand-alone configuration that is representative of typical use.

Measuring Equipment and Calibration Information

Paste Equipment List Here

Manufacturer	Equipment Type	Model No.	Serial Number	Cal. Due Date
Rohde & Schwarz	Receiver	ESI26	838786/010	2/7/2006
Hewlett-Packard	EMC Analyzer	8593EM	3536A00118	10/2/2005
Hewlett-Packard	EMC Analyzer	7405	US39440191	11/13/2005
ETS	DRG Horn Antenna	265	2455	5/25/2006
ETS	DRG Horn Antenna	3115	6222	2/9/2006
ETS	Log-Periodic Antenna	3148	1188	6/14/2006
ETS	Biconical Antenna	3110B	3370	2/16/2006
Attenuator	Weinschel	AS-6	6675	10/14/2005
Attenuator	Weinschel	AS-6	6677	11/4/2005
Rohde & Schwarz	Mobile Test Set	CMD 80	DE29008	N/A
Hewlett-Packard	Signal Generator	83623B	3844A01195	5/23/2006
Thermotron	Environmental Chamber	S-4	31580	1/18/2006
Giga-Tronics	Power Meter	8651A	8650508	12/27/2005

All equipment is on a one-year calibration cycle.

Description of Bluetooth Transmitter

The V3c cell phone offers Bluetooth as a feature. The Bluetooth spread-spectrum, frequency hopping transceiver is designed to operate between 2400 and 2483 MHz. The Bluetooth antenna is mounted on the PCB inside of the EUT. The antenna installation is permanent. For a more thorough description of the functionality please refer to Exhibit 12 of this package.

As a Bluetooth transmitter, it is designed operate with other Bluetooth devices as defined by industrial standard. In this application, the device is battery-operated.

The maximum Bluetooth antenna gain is 0.9 dBi.

Measurement Procedures and Data

CARRIER FREQUENCY SEPARATION

CFR 47 Part 15.247

Measurement Procedure

The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

The Bluetooth transmitter of the V3c had its hopping function enabled. The following spectrum analyzer settings were used:

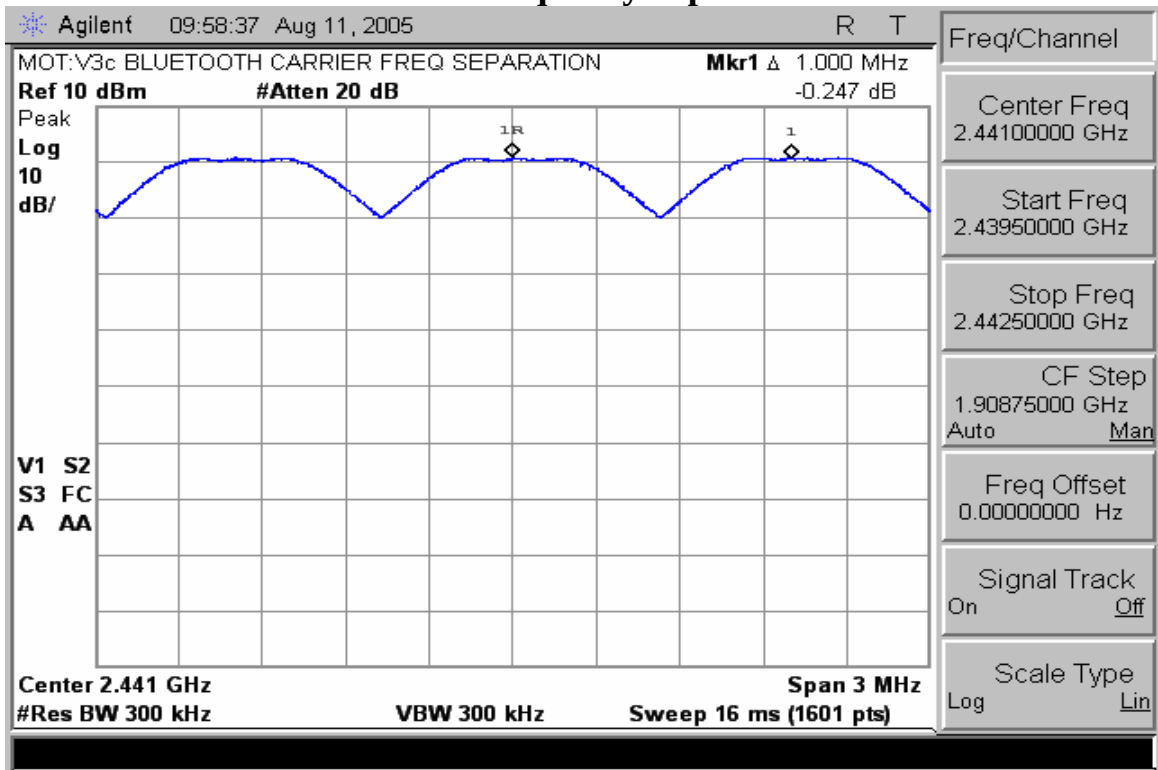
1. Span = wide enough to capture the peaks of two adjacent channels
2. Resolution (or IF) Bandwidth (RBW) $\geq$ 1% of the span
3. Video (or Average) Bandwidth (VBW) $\geq$ RBW
4. Sweep = auto
5. Detector function = peak
6. Trace = max hold

The trace was allowed to stabilize. The marker-delta function was used to determine the separation between the peaks of the adjacent channels.

Measurement Results

See attached.

Carrier Frequency Separation



NUMBER OF HOPPING FREQUENCIES

CFR 47 Part 15.247

Measurement Procedure

The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

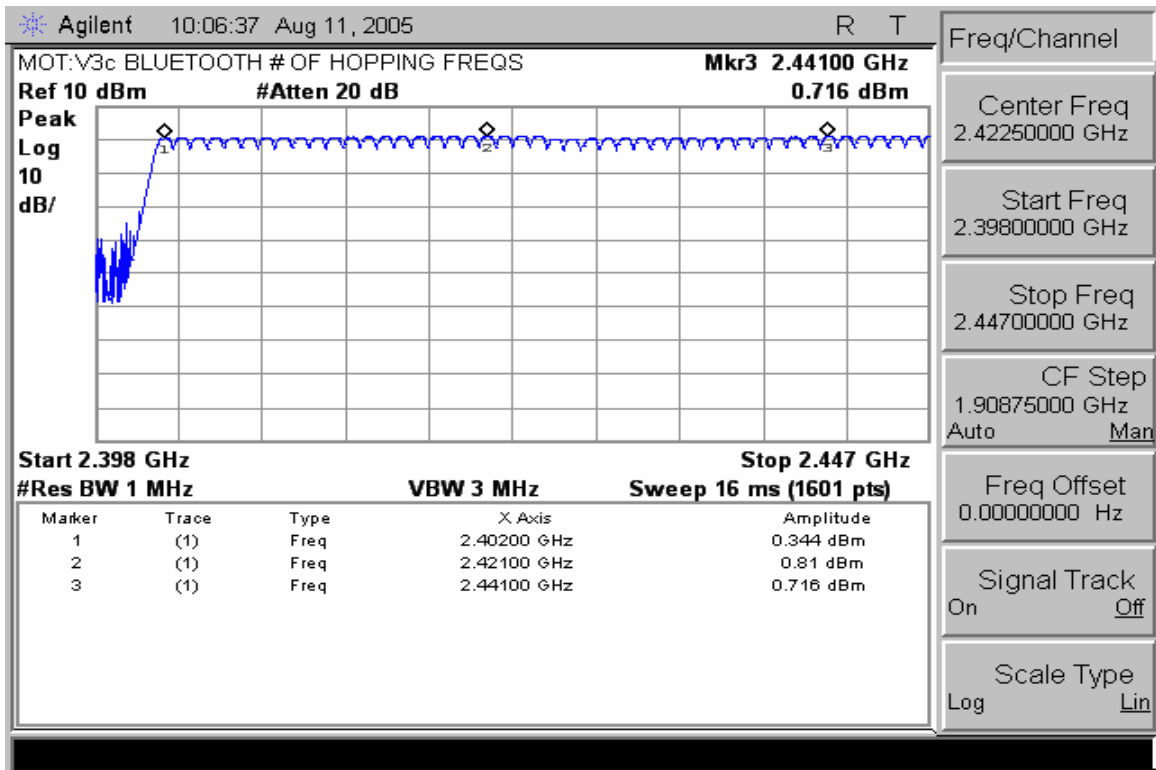
The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer used the following settings:

1. Span = the frequency band of operation
2. RBW $\geq$ 1% of the span
3. VBW $\geq$ RBW
4. Sweep = auto
5. Detector function = peak
6. Trace = max hold

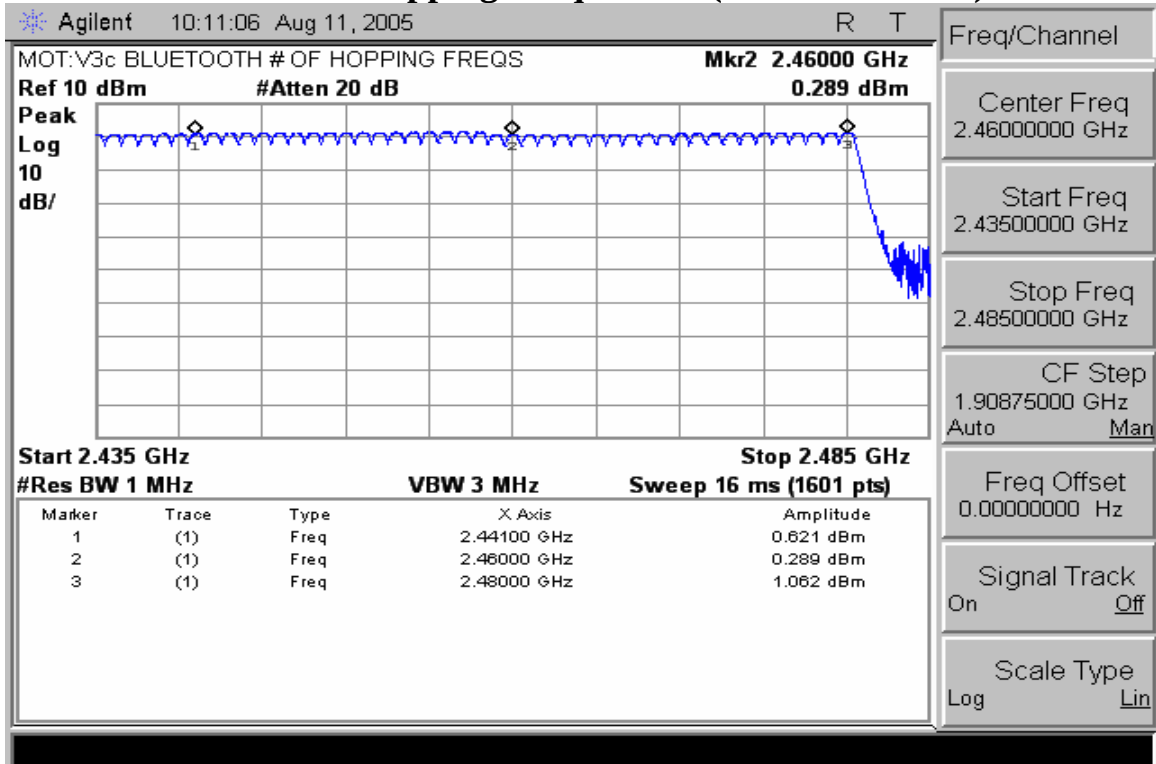
The trace was allowed to stabilize.

Measurement Results

See attached.



Number of Hopping Frequencies (Channels 0 – 39)



Number of Hopping Frequencies (Channels 39 – 78)

TIME OF OCCUPANCY (DWELL TIME)

CFR47 Part 15.247

Measurement Procedure

The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

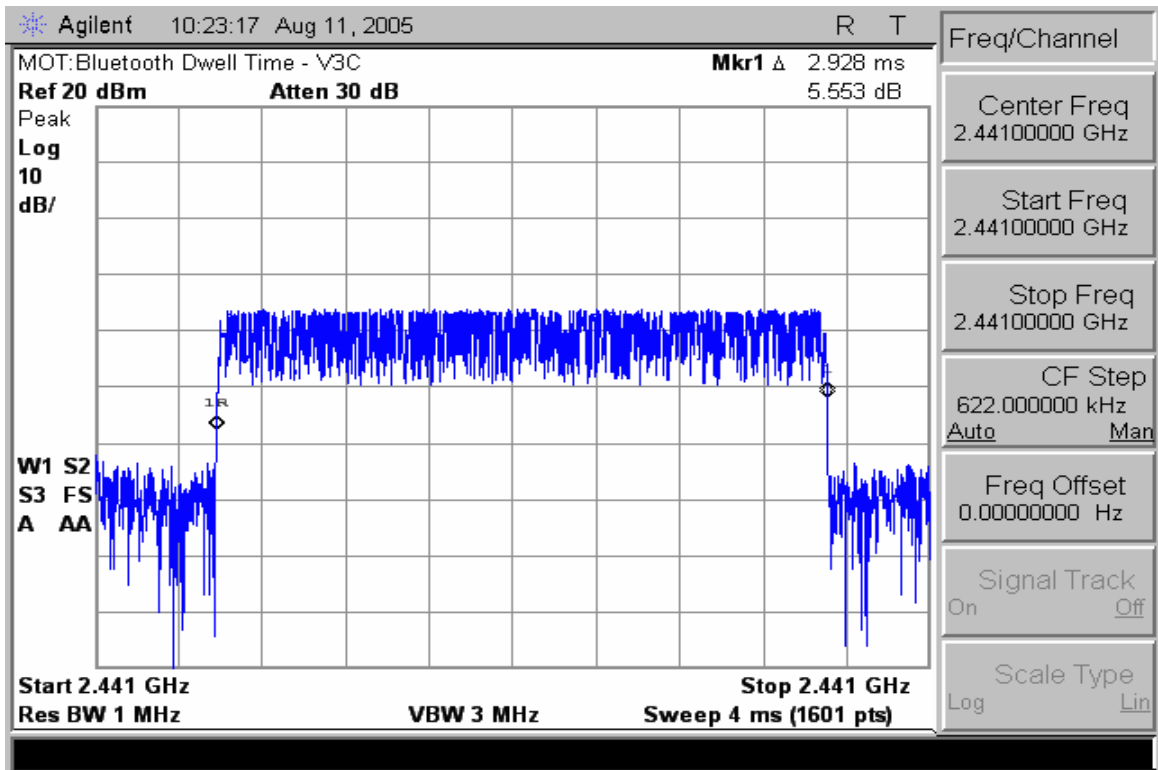
The Bluetooth hopping function of the EUT was enabled. The following spectrum analyzer settings were used:

1. Span = zero span, centered on a hopping channel
2. RBW = 1 MHz
3. VBW $\geq$ RBW
4. Sweep = as necessary to capture the entire dwell time per hopping channel
5. Detector function = peak
6. Trace = max hold

The marker-delta function was used to determine the dwell time.

Measurement Results

Attached



Dwell Time

20dB Bandwidth

CFR 47 Part 15.247

Measurement Procedure

The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

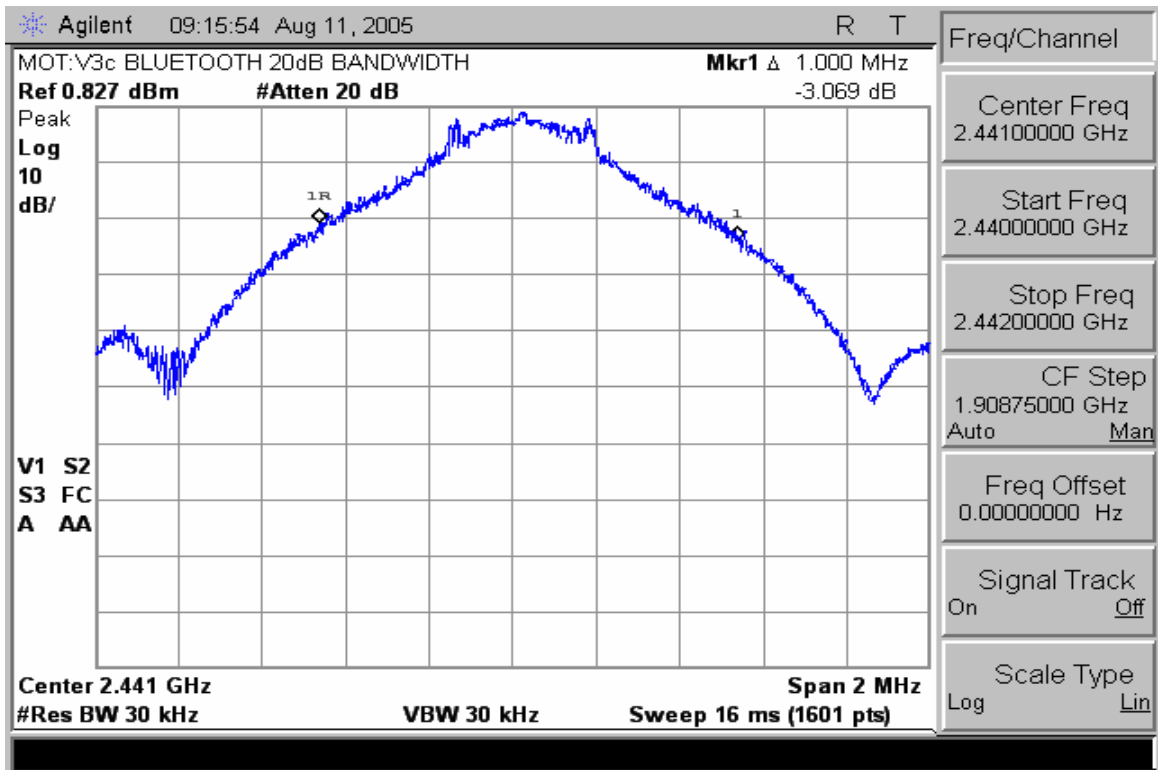
The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer used the following settings:

1. Span = approx. 2 to 3 times the 20dB bandwidth, centered on a hopping frequency
2. RBW $\geq$ 1% of the 20dB span
3. VBW $\geq$ RBW
4. Sweep = auto
5. Detector function = peak
6. Trace = max hold

The trace was allowed to stabilize. The EUT was transmitting at its maximum data rate. The marker-to-peak function was used to set the marker to the peak of the emission. The marker-delta function was used to measure 20dB down one side of the emission. The marker-delta function and marker was moved to the other side of the emission until it was even with the reference marker. The marker-delta reading at this point was the 20dB bandwidth of the emission.

Measurement Results

Attached



20dB Bandwidth

FIELD STRENGTH OF SPURIOUS EMISSIONS

CFR Part 2.1053, 15.249

Measurement Procedure

The Equipment-Under-Test is placed inside the semi-anechoic chamber on a wooden table at the turntable center. For each spurious frequency, the antenna mast is raised and lowered from 1 to 4 meters and the turntable is rotated 360 degrees to obtain a maximum reading on the spectrum analyzer. This is repeated for both horizontal and vertical polarizations of the receive antenna.

Field Strength (dBuV/m) = EMI Receiver Level (dBuV) + Cable Loss (dB) -
Amplifier Gain (dB) + Antenna Correction Factor (1/m)

A fully charged battery was used for the supply voltage.

Measurement Results

Attached

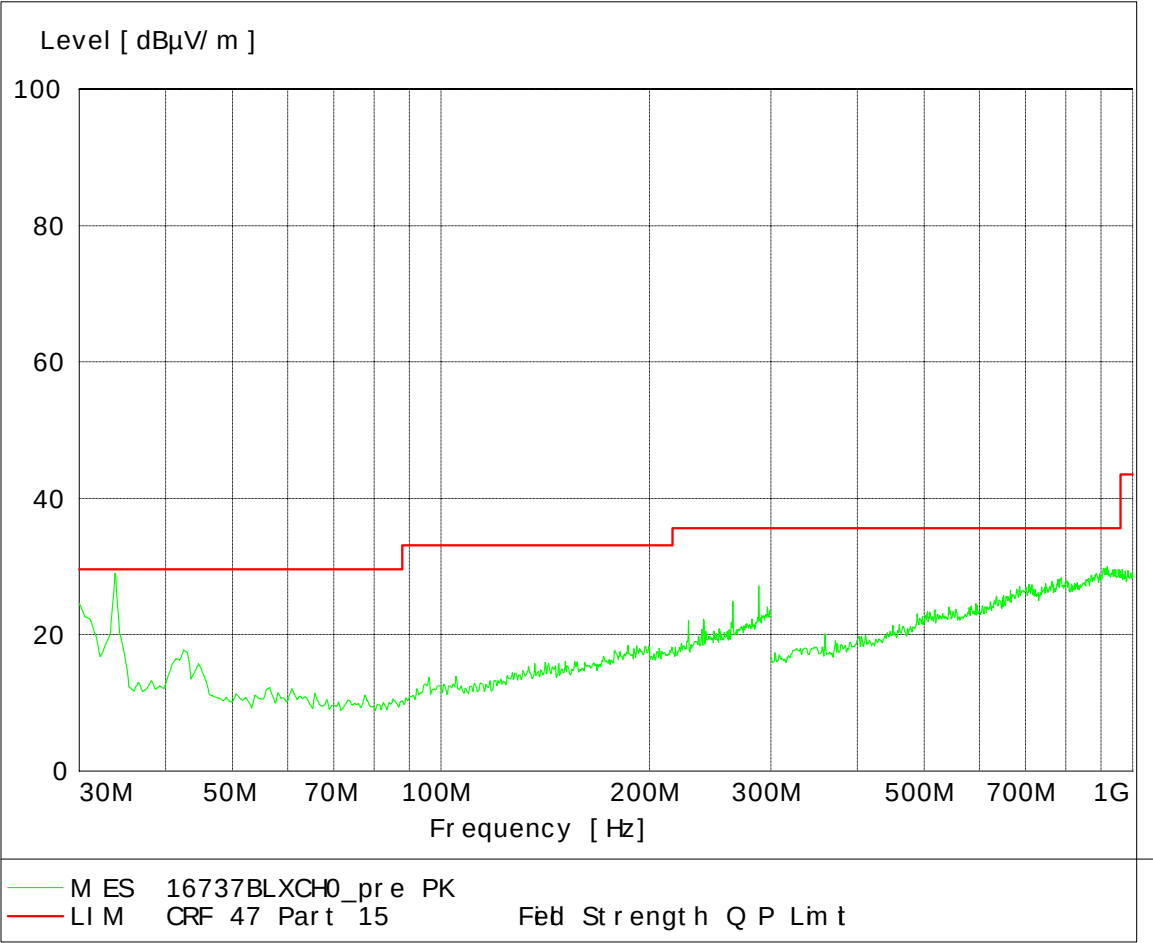
Primary Radiated Emissions

Motorola

Model: V3c
 ID Code: 16737-1

BT CH0 2402MHz X-Axis

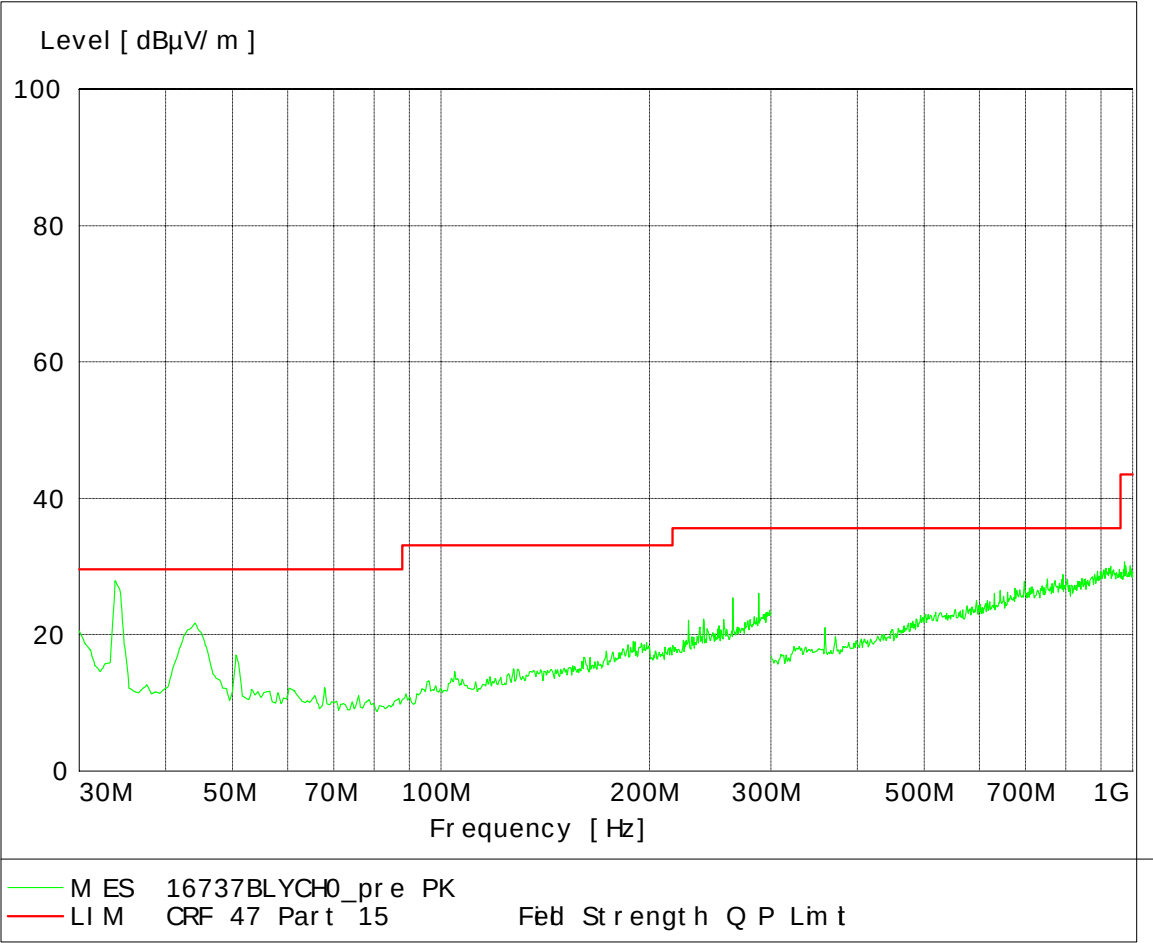
GREEN HORIZONTAL AND VERTICAL



30-1000MHz Low Channel Dual Polarization X

Frequency MHz	Measured dB μ V/m	Detector Type	Limit dB μ V/m
33.78	29.00	Qusi Peak	29.6
288.03	22.06	Qusi Peak	35.6
239.93	22.32	Qusi Peak	35.6
264.28	24.90	Qusi Peak	35.6
288.09	27.15	Qusi Peak	35.6

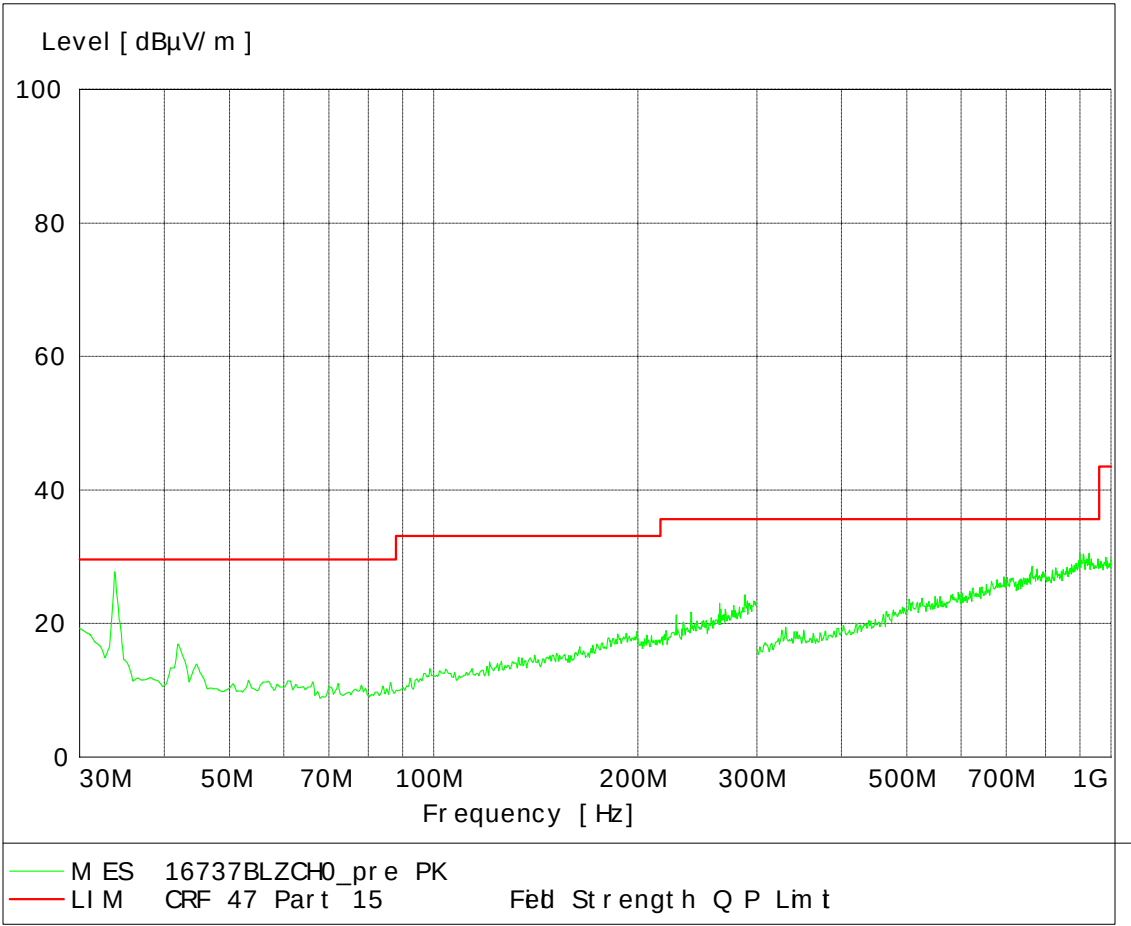
Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH0 2402MHz Y-Axis
 GREEN HORIZONTAL AND VERTICAL



30-1000MHz Low Channel Dual Polarization Y

Frequency MHz	Measured dB μ V/m	Detector Type	Limit dB μ V/m
33.78	27.87	Qusi Peak	29.6
44.06	21.74	Qusi Peak	29.6
228.03	22.10	Qusi Peak	35.6
239.93	22.28	Qusi Peak	35.6
264.28	25.39	Qusi Peak	35.6
288.09	26.08	Qusi Peak	35.6

Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH0 2402MHz Z-Axis
 GREEN HORIZONTAL AND VERTICAL



30-1000MHz Low Channel Dual Polarization Z

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
33.78	27.75	Qusi Peak	29.6
228.03	21.32	Qusi Peak	35.6
239.93	21.72	Qusi Peak	35.6
264.28	23.04	Qusi Peak	35.6
288.09	24.33	Qusi Peak	35.6

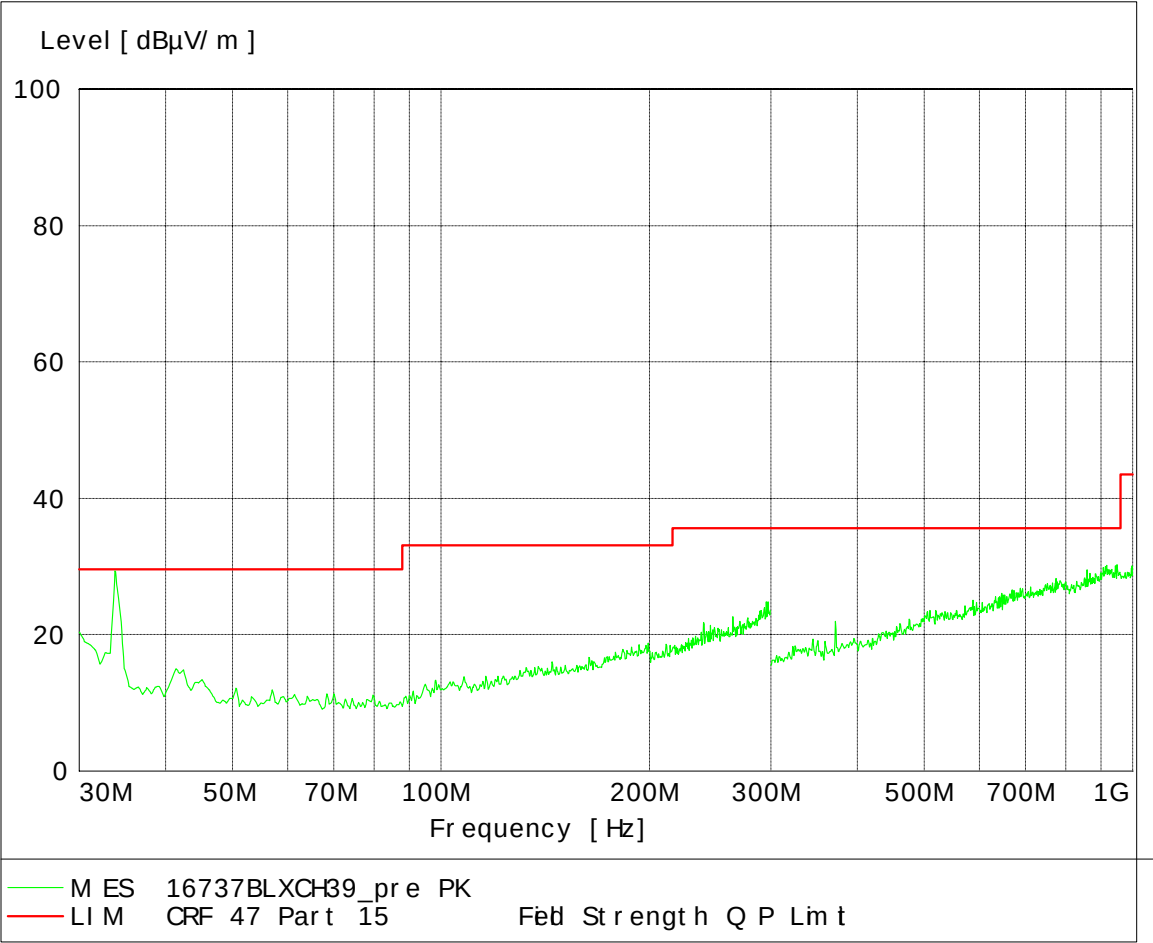
Primary Radiated Emissions

Motorola

Model: V3c
 ID Code: 16737-1

BT CH39 2442MHz X-Axis

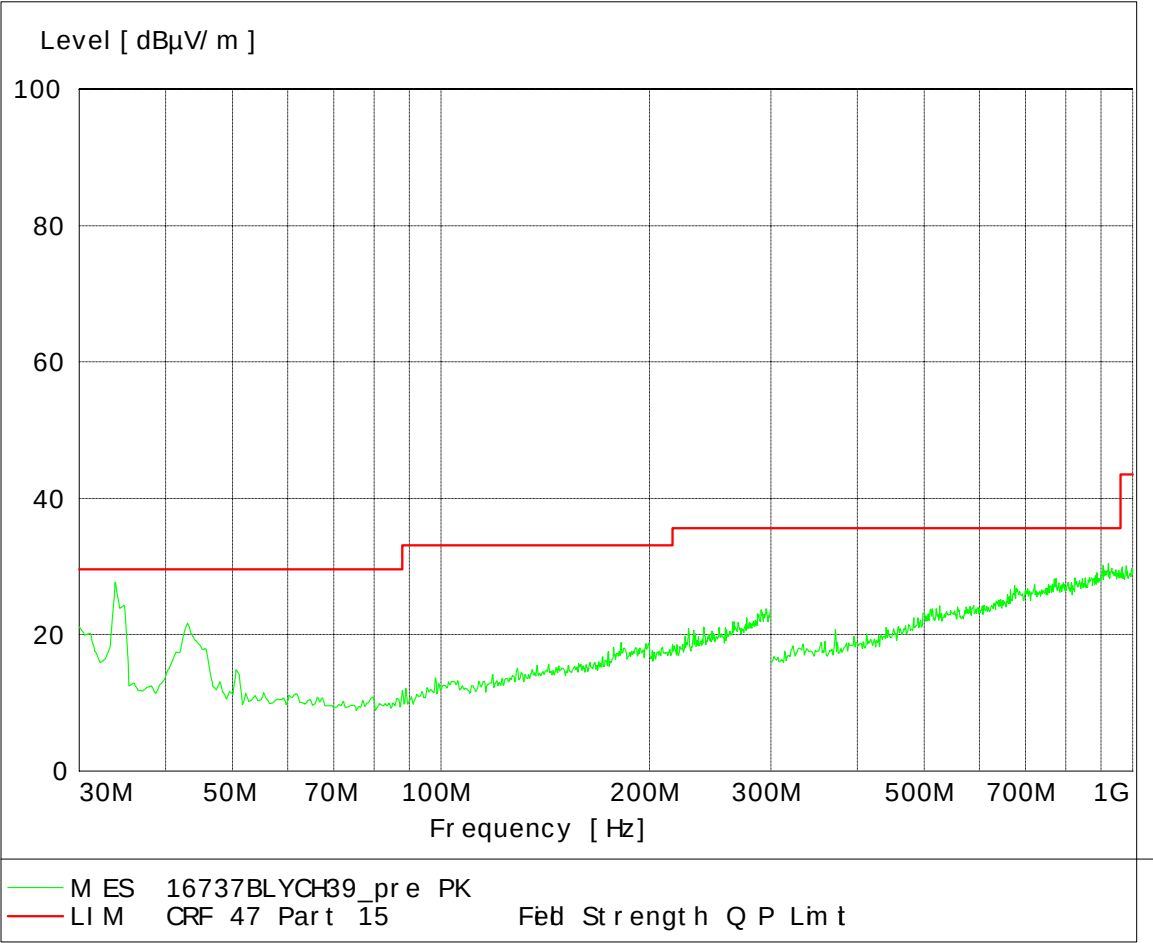
GREEN HORIZONTAL AND VERTICAL



30-1000MHz Mid Channel Dual Polarization X

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
33.78	29.33	Qusi Peak	29.6
239.93	21.81	Qusi Peak	35.6
371.54	21.94	Qusi Peak	35.6

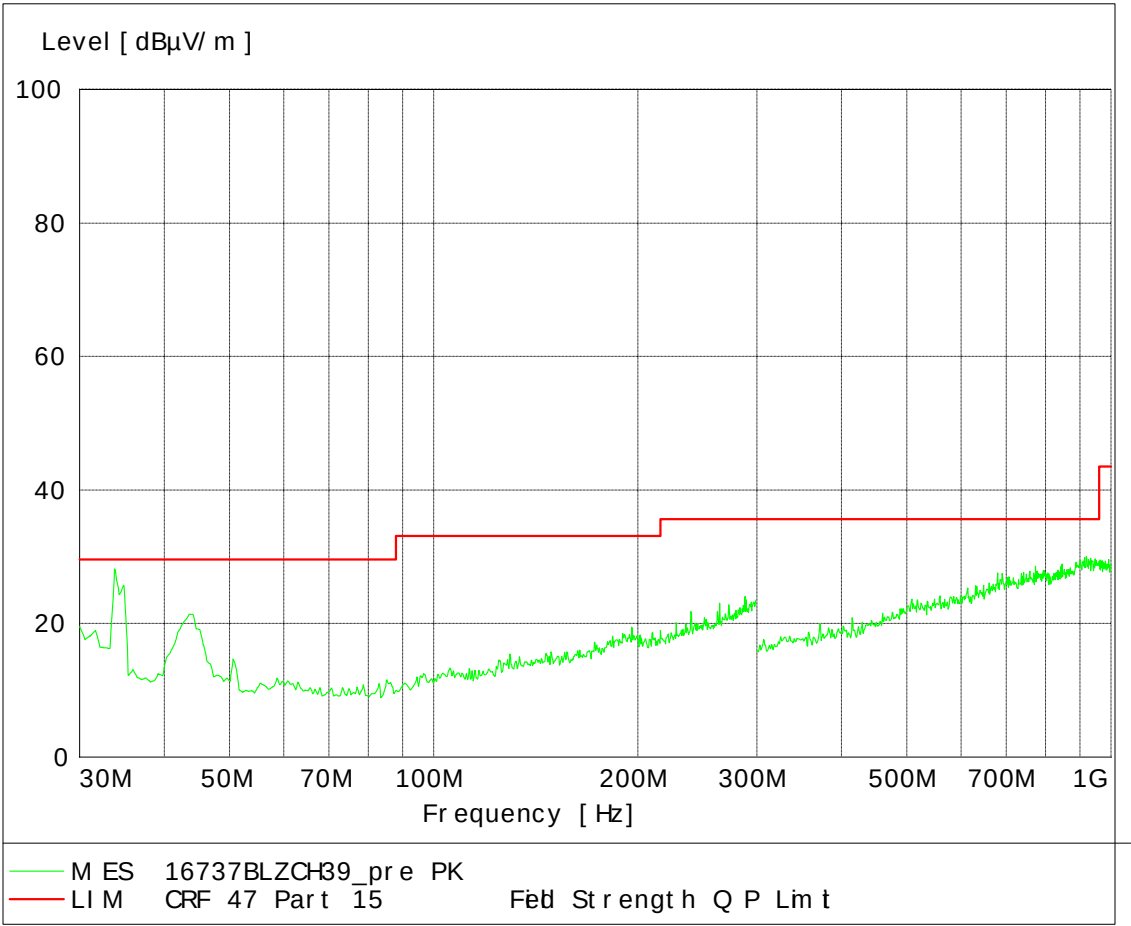
Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH39 2442MHz Y-Axis
 GREEN HORIZONTAL AND VERTICAL



30 -1000MHz Mid Channel Dual Polarization Y

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
33.78	27.62	Qusi Peak	29.6
42.99	21.70	Qusi Peak	29.6
51.10	14.86	Qusi Peak	29.6

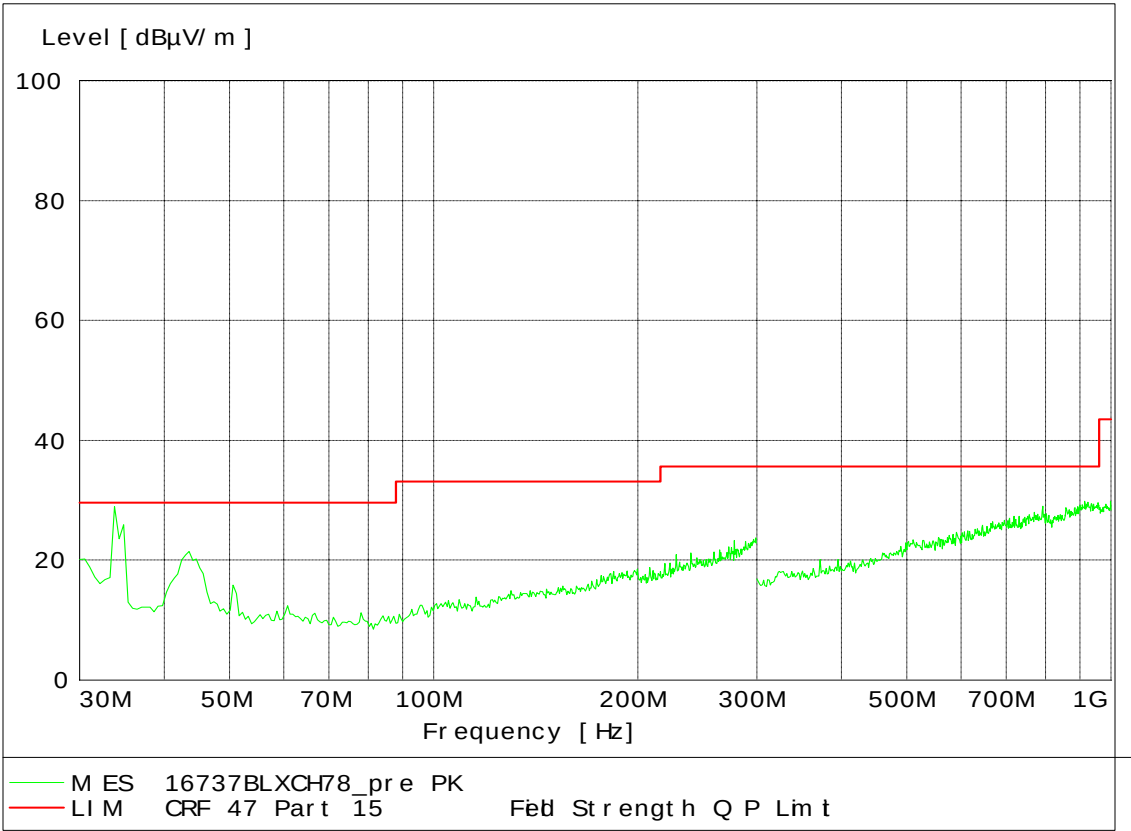
Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH39 2442MHz Z-Axis
 GREEN HORIZONTAL AND VERTICAL



30 -1000MHz Mid Channel Dual Polarization Z

Frequency MHz	Measured dB μ V/m	Detector Type	Limit dB μ V/m
33.78	28.20	Qusi Peak	29.6
43.53	21.34	Qusi Peak	29.6
239.93	21.80	Qusi Peak	35.6
264.28	23.01	Qusi Peak	35.6
272.94	22.13	Qusi Peak	35.6

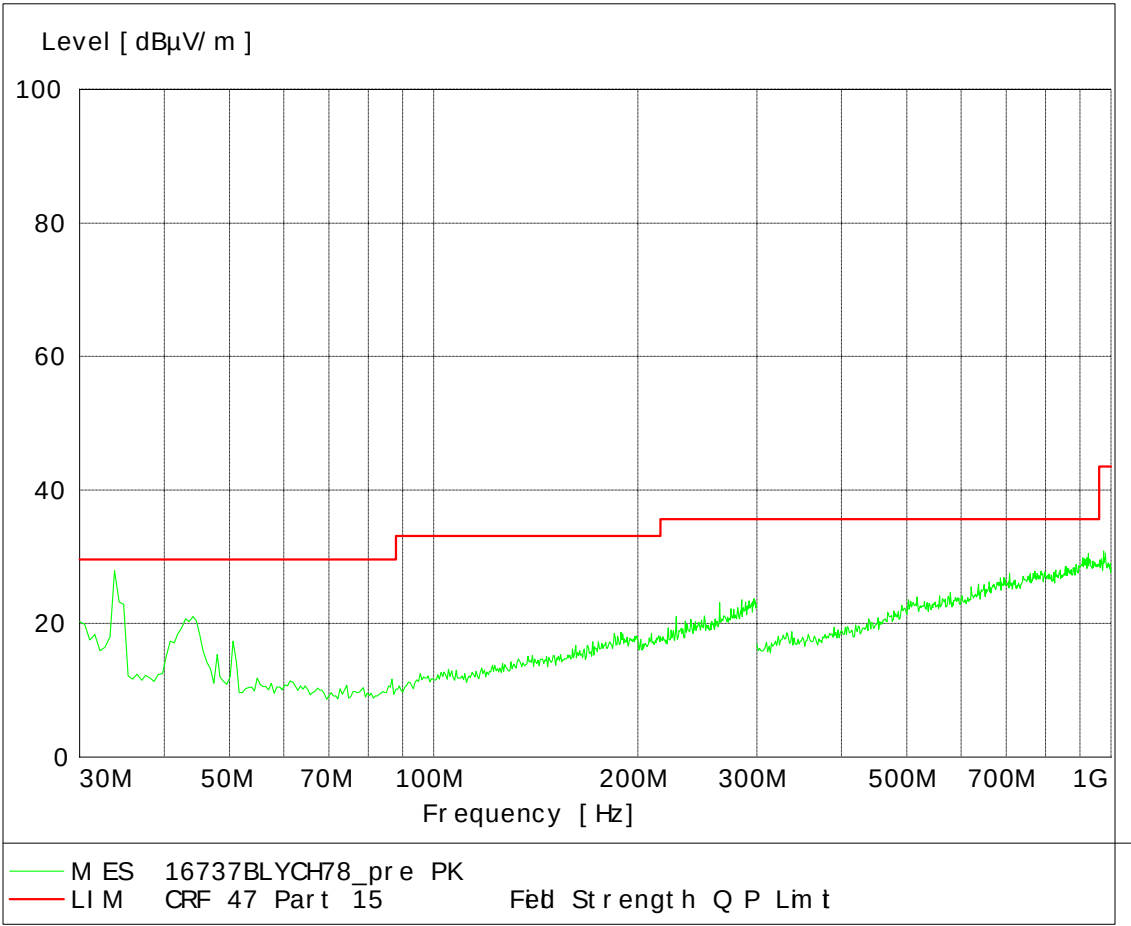
Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH78 2480MHz X-Axis
 GREEN HORIZONTAL AND VERTICAL



30 -1000MHz High Channel Dual Polarization X

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
33.78	28.92	Qusi Peak	29.6
43.53	21.47	Qusi Peak	29.6
51.10	15.85	Qusi Peak	29.6

Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH78 2480MHz Y-Axis
 GREEN HORIZONTAL AND VERTICAL



30 -1000MHz High Channel Dual Polarization Y

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
33.78	27.91	Qusi Peak	29.6
44.07	21.06	Qusi Peak	29.6
50.56	17.33	Qusi Peak	29.6
264.29	23.12	Qusi Peak	35.6

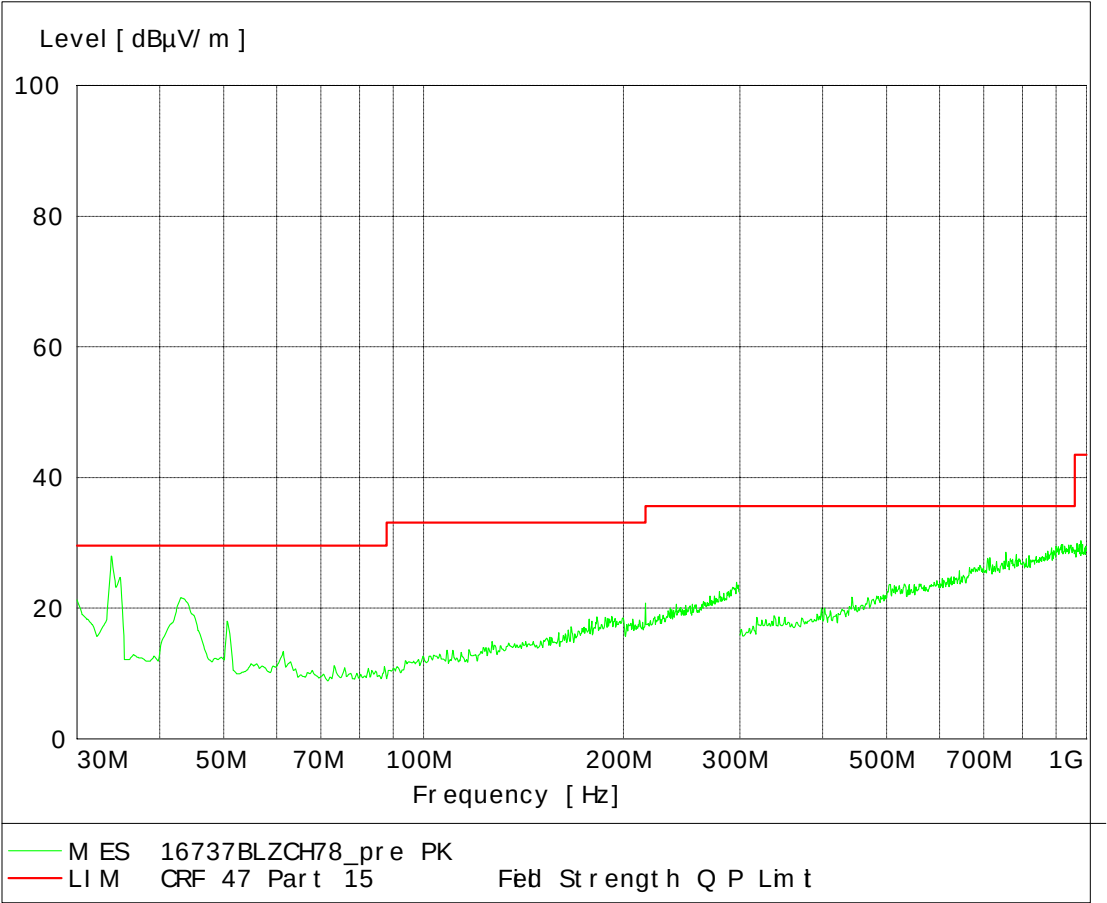
Primary Radiated Emissions

Motorola

Model: V3c
 ID Code: 16737-1

BT CH78 2480MHz Z-Axis

GREEN HORIZONTAL AND VERTICAL



30 -1000MHz High Channel Dual Polarization Z

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
33.78	27.98	Qusi Peak	29.6
42.99	21.63	Qusi Peak	29.6
50.56	18.05	Qusi Peak	29.6
216.13	20.75	Qusi Peak	35.6

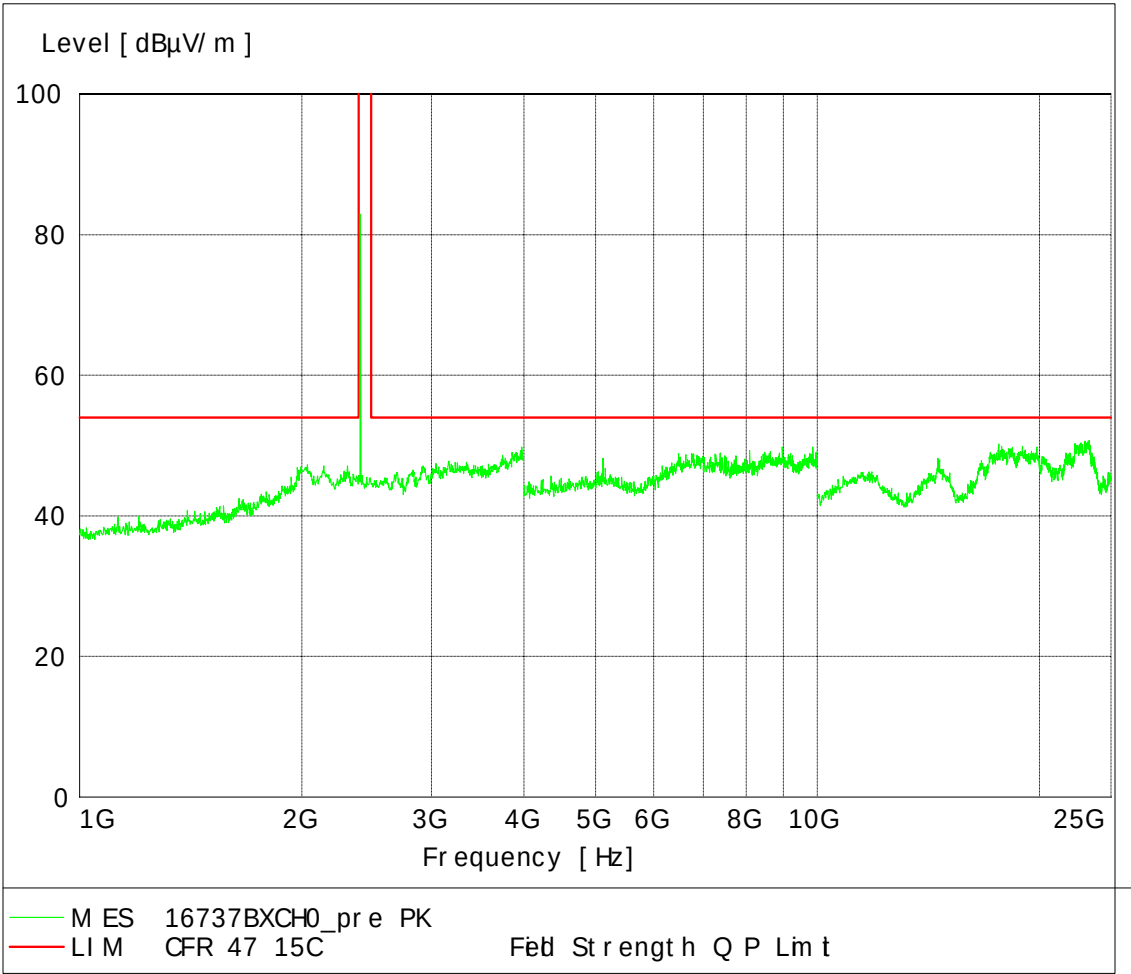
Primary Radiated Emissions

Motorola

Model: V3c
 ID Code: 16737-1

BT CH0 2402MHz X-Axis

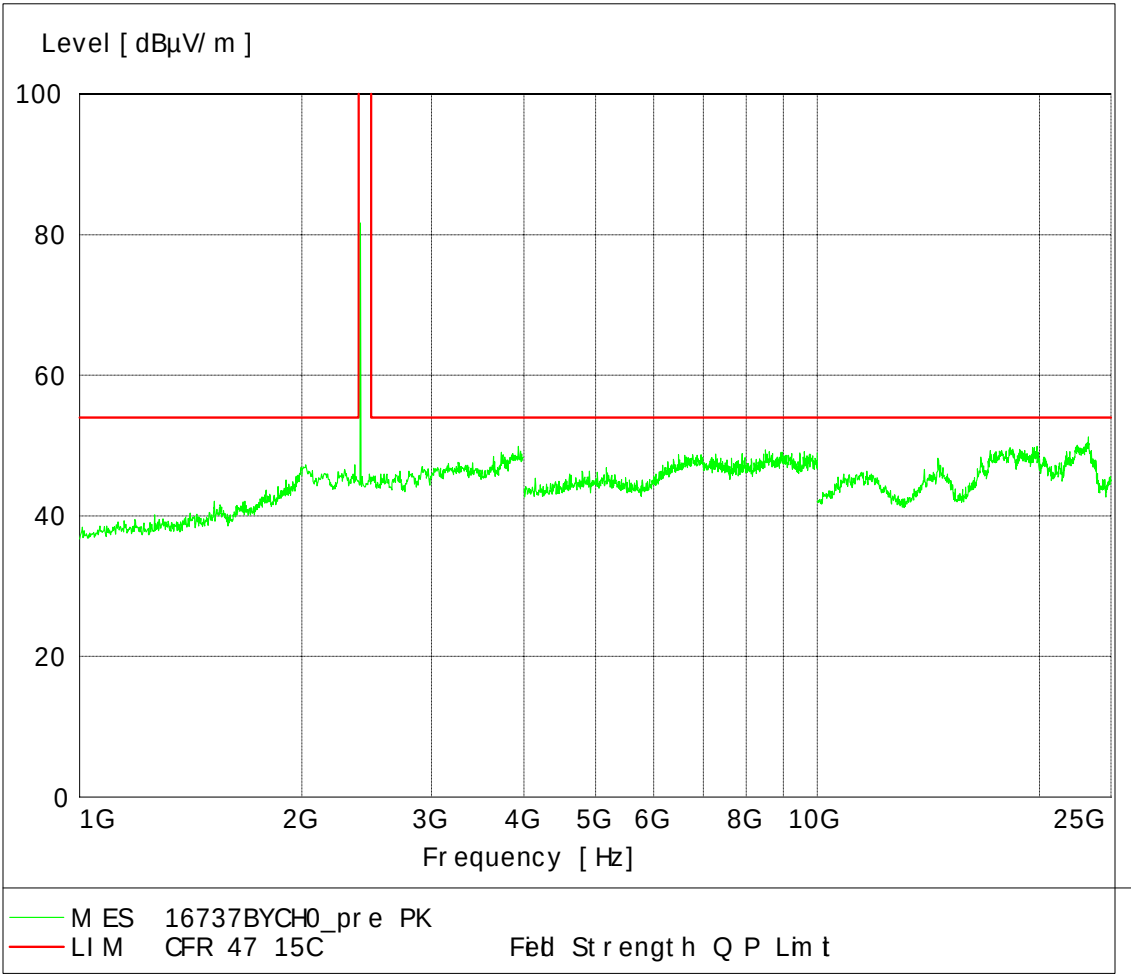
GREEN HORIZONTAL AND VERTICAL



1-25 GHz Low Channel Dual Polarization X

Frequency MHz	Measured dB μ V/m	Detector Type	Limit dB μ V/m
2400	82.91	Peak	999
14569	48.17	Peak	54

Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH0 2402MHz Y-Axis
 GREEN HORIZONTAL AND VERTICAL



1-25 GHz Low Channel Dual Polarization Y

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
2400	81.62	Peak	999

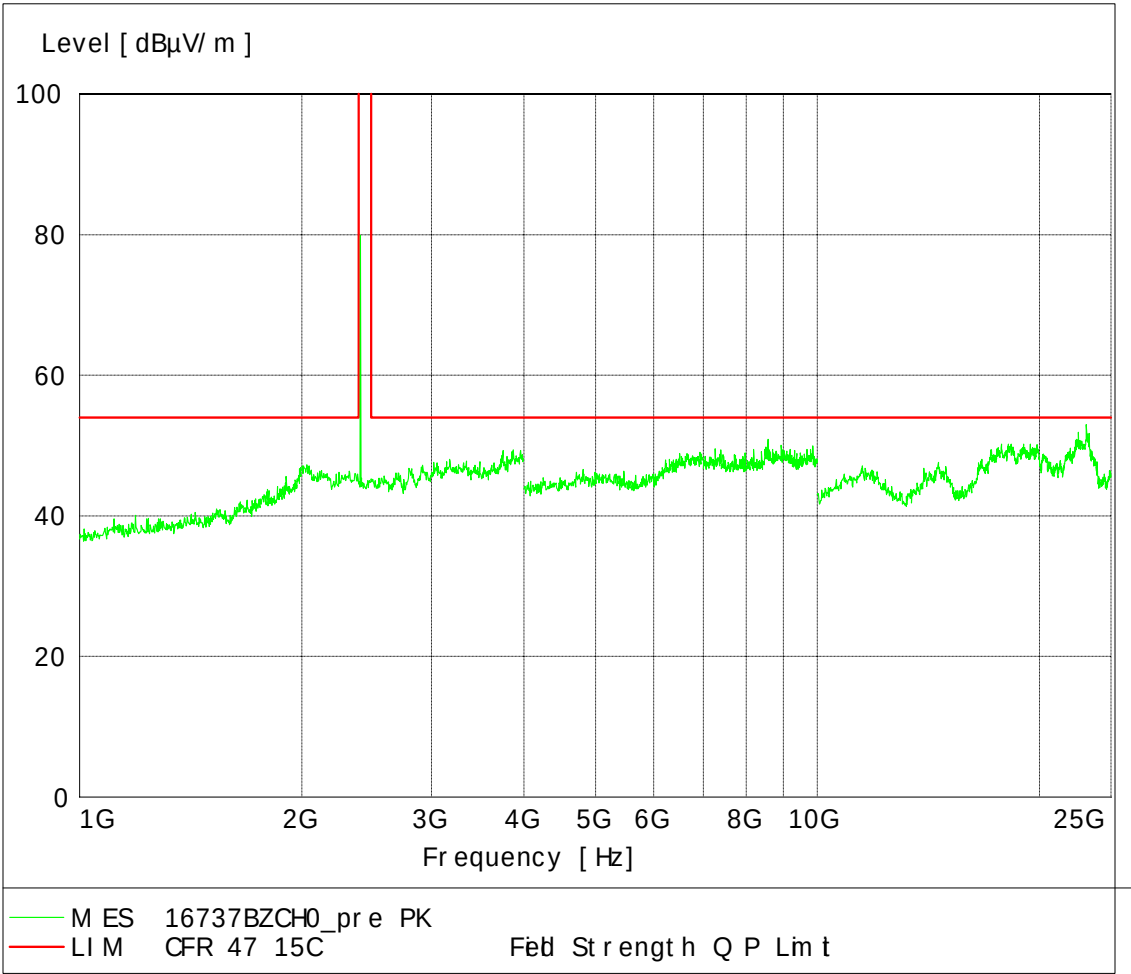
Primary Radiated Emissions

Motorola

Model: V3c
 ID Code: 16737-1

BT CH0 2402MHz Z-Axis

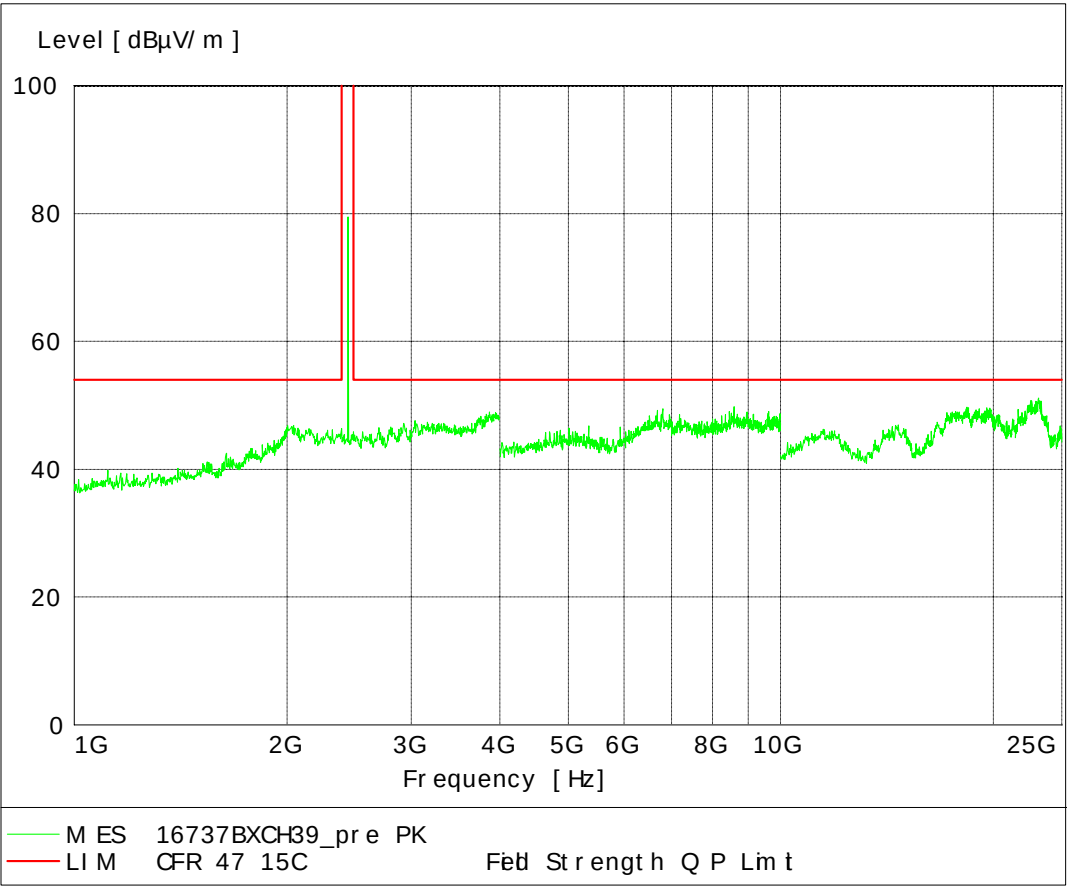
GREEN HORIZONTAL AND VERTICAL



1-25 GHz Low Channel Dual Polarization Z

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
2400	79.90	Peak	999

Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH39 2441MHz X-Axis
 GREEN HORIZONTAL AND VERTICAL



1-25 GHz Mid Channel Dual Polarization X

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
24408	79.46	Peak	999

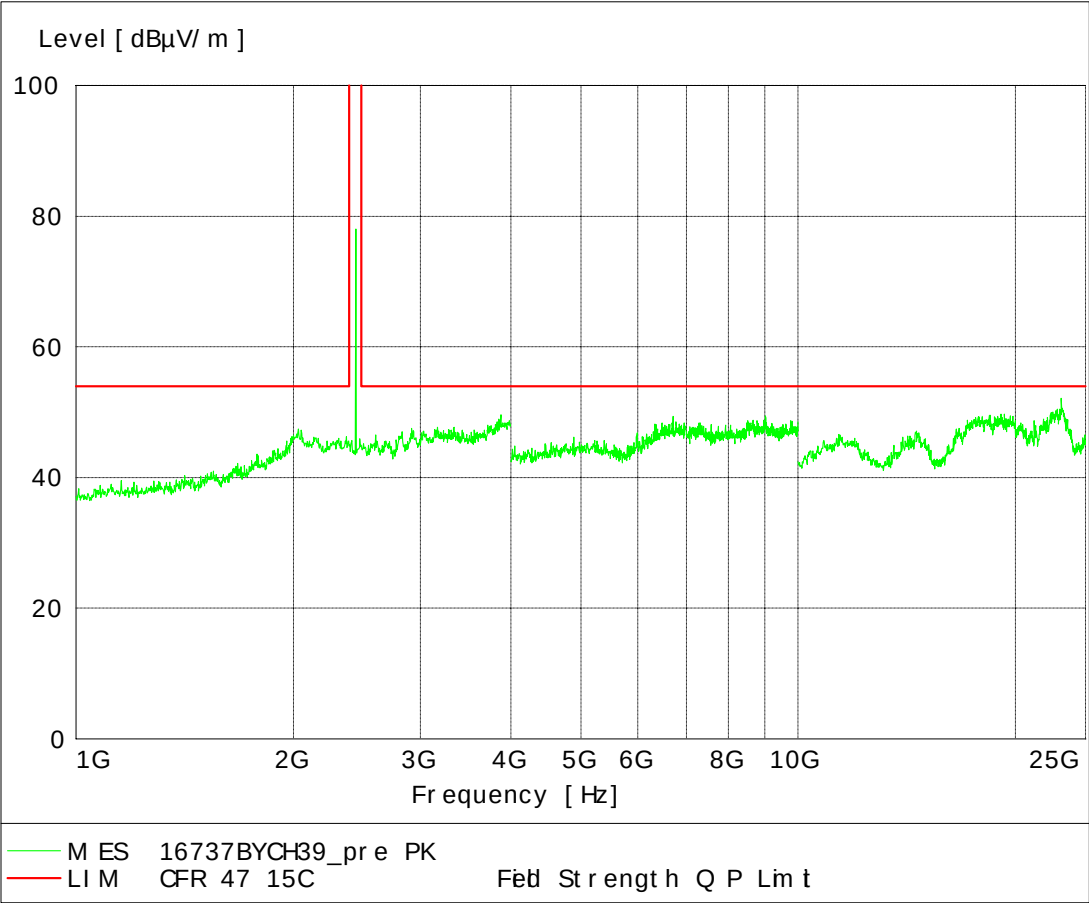
Primary Radiated Emissions

Motorola

Model: V3c
 ID Code: 16737-1

BT CH39 2441MHz Y-Axis

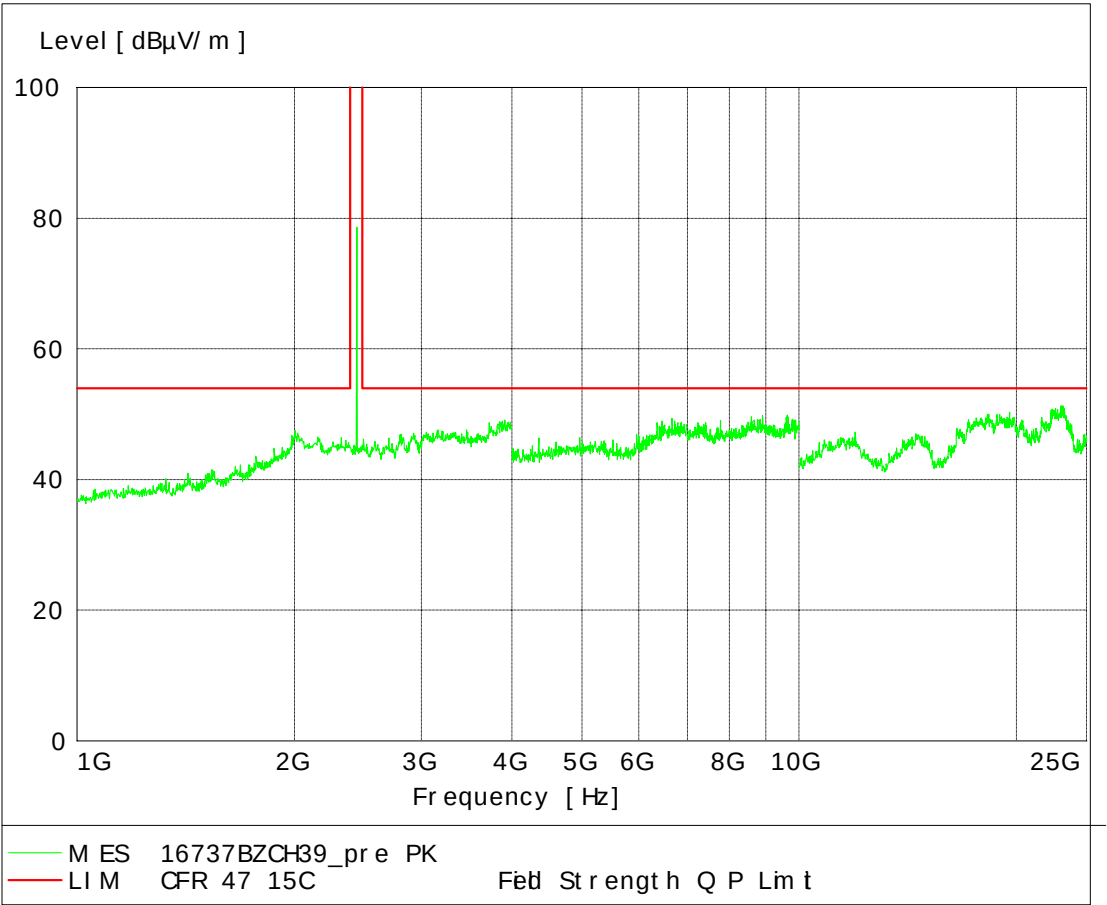
GREEN HORIZONTAL AND VERTICAL



1-25 GHz Mid Channel Dual Polarization Y

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
2440	78.02	Peak	999

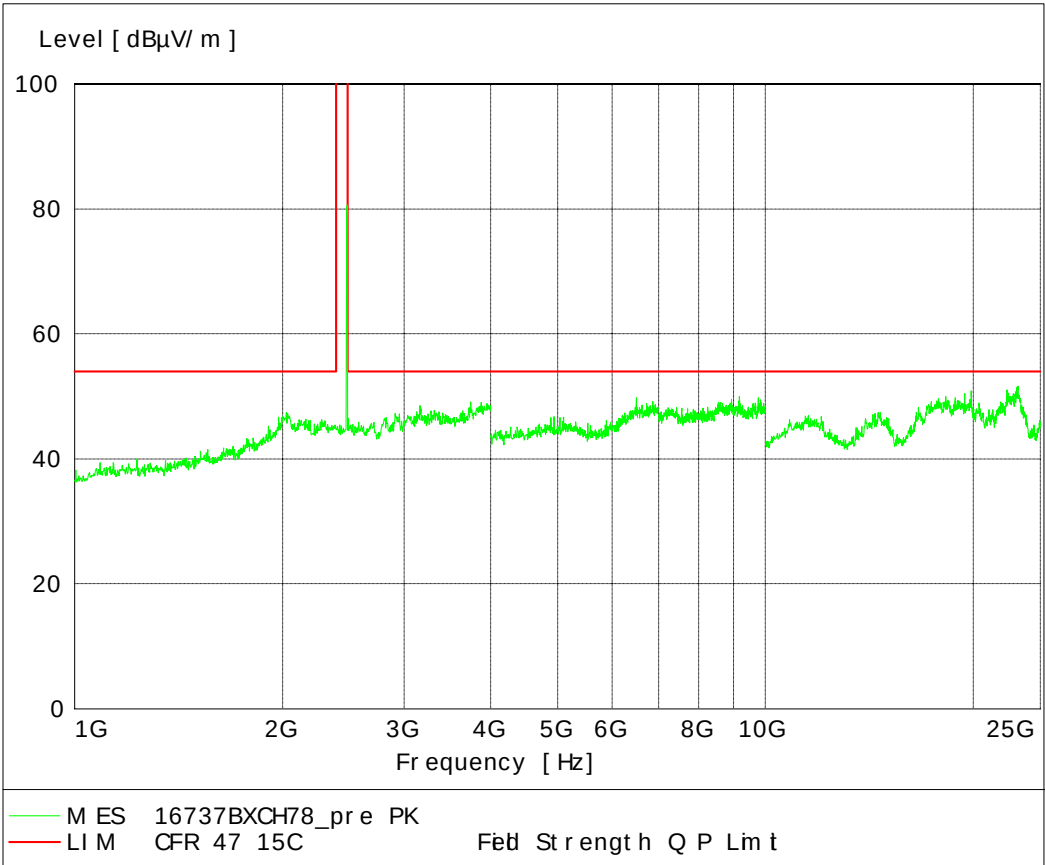
Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH39 2441MHz Z-Axis
 GREEN HORIZONTAL AND VERTICAL



1-25 GHz Mid Channel Dual Polarization Z

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
2400	78.59	Peak	999

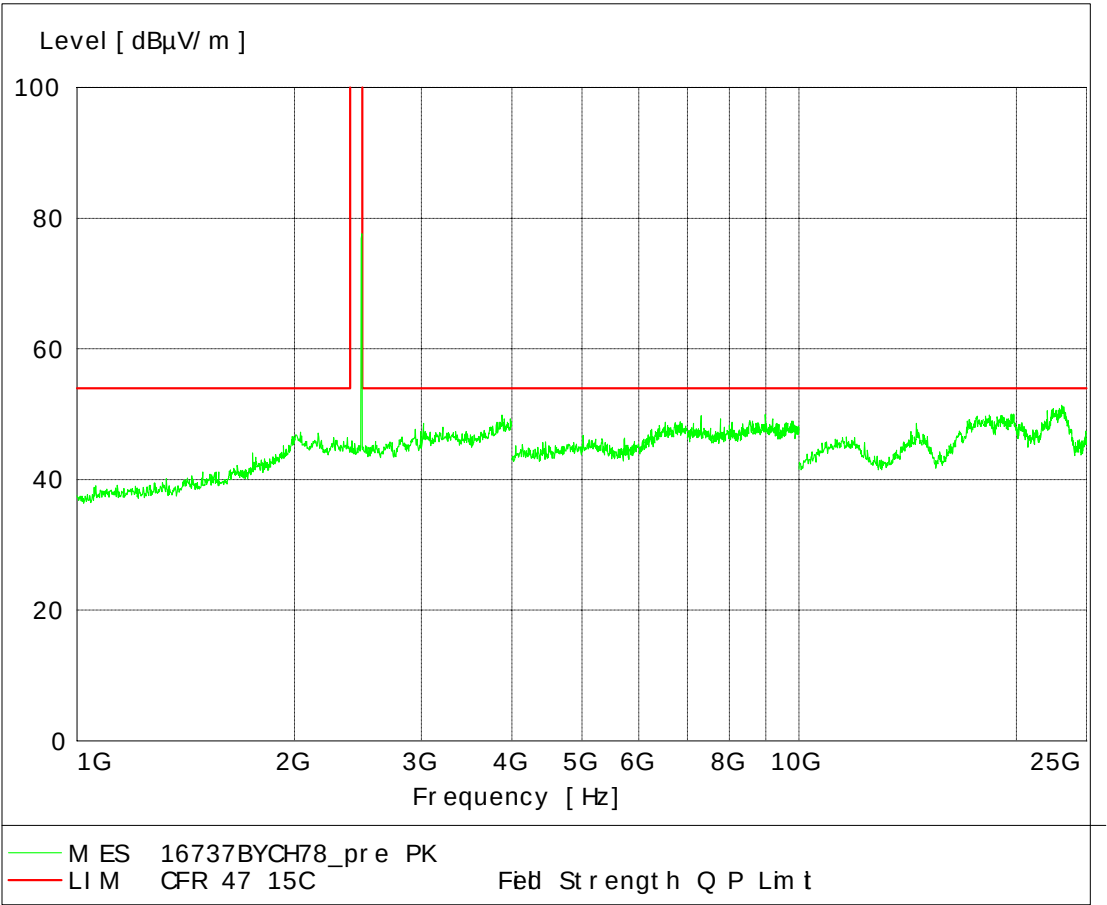
Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH78 2480MHz X-Axis
 GREEN HORIZONTAL AND VERTICAL



1-25 GHz High Channel Dual Polarization X

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
2477	78.38	Peak	999

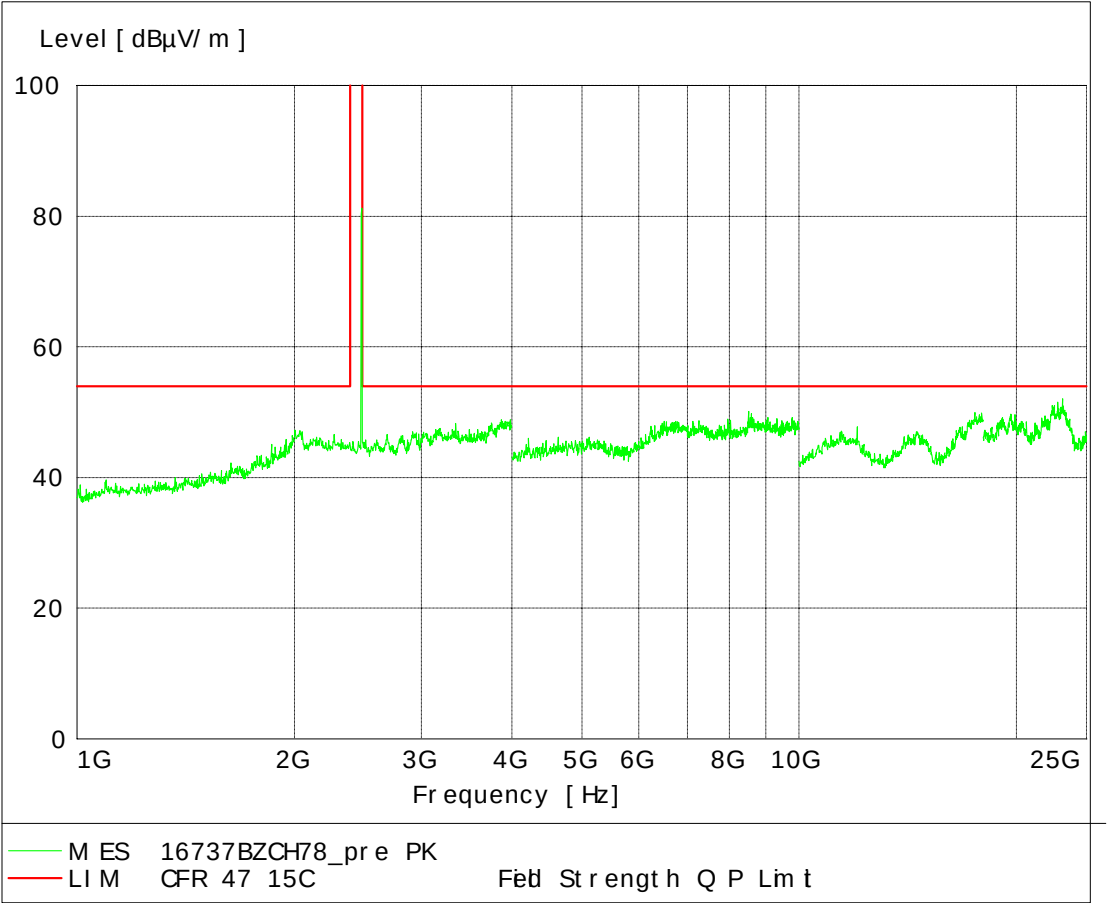
Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH78 2480MHz Y-Axis
 GREEN HORIZONTAL AND VERTICAL



1-25 GHz High Channel Dual Polarization Y

Frequency MHz	Measured dBμV/m	Detector Type	Limit dBμV/m
2477	76.87	Peak	999

Primary Radiated Emissions
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH78 2480MHz Z-Axis
 GREEN HORIZONTAL AND VERTICAL



1-25 GHz High Channel Dual Polarization Z

Frequency MHz	Measured dBµV/m	Detector Type	Limit dBµV/m
2477	80.29	Peak	999
12036.1	47.78	Peak	54

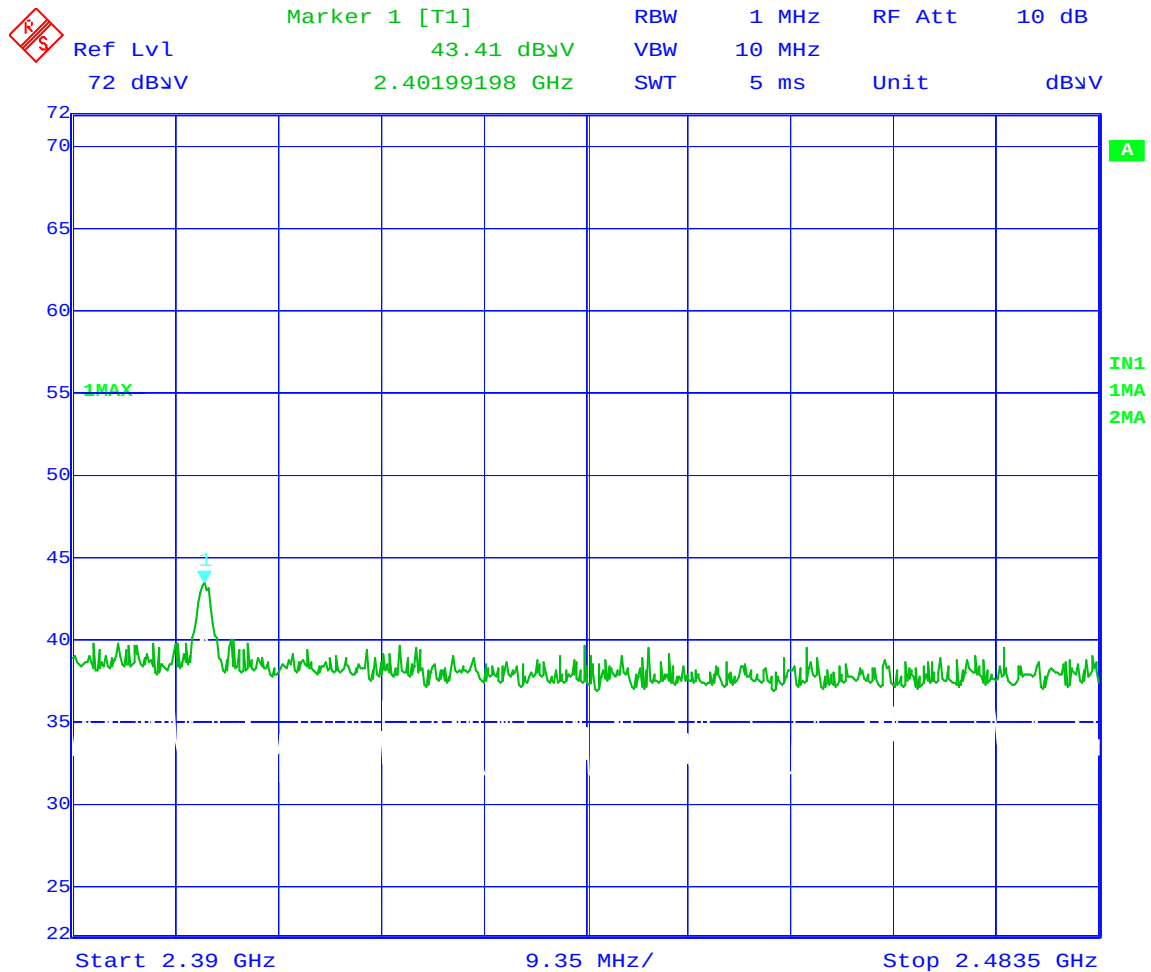
Radiated Emissions Band Edge

Motorola

Model: V3c

ID Code: 16737-1

BT CH0 2402MHz X-Axis



Date: 17.AUG.2005 10:31:25

Authorized Band Emissions Low Channel Dual Polarization X

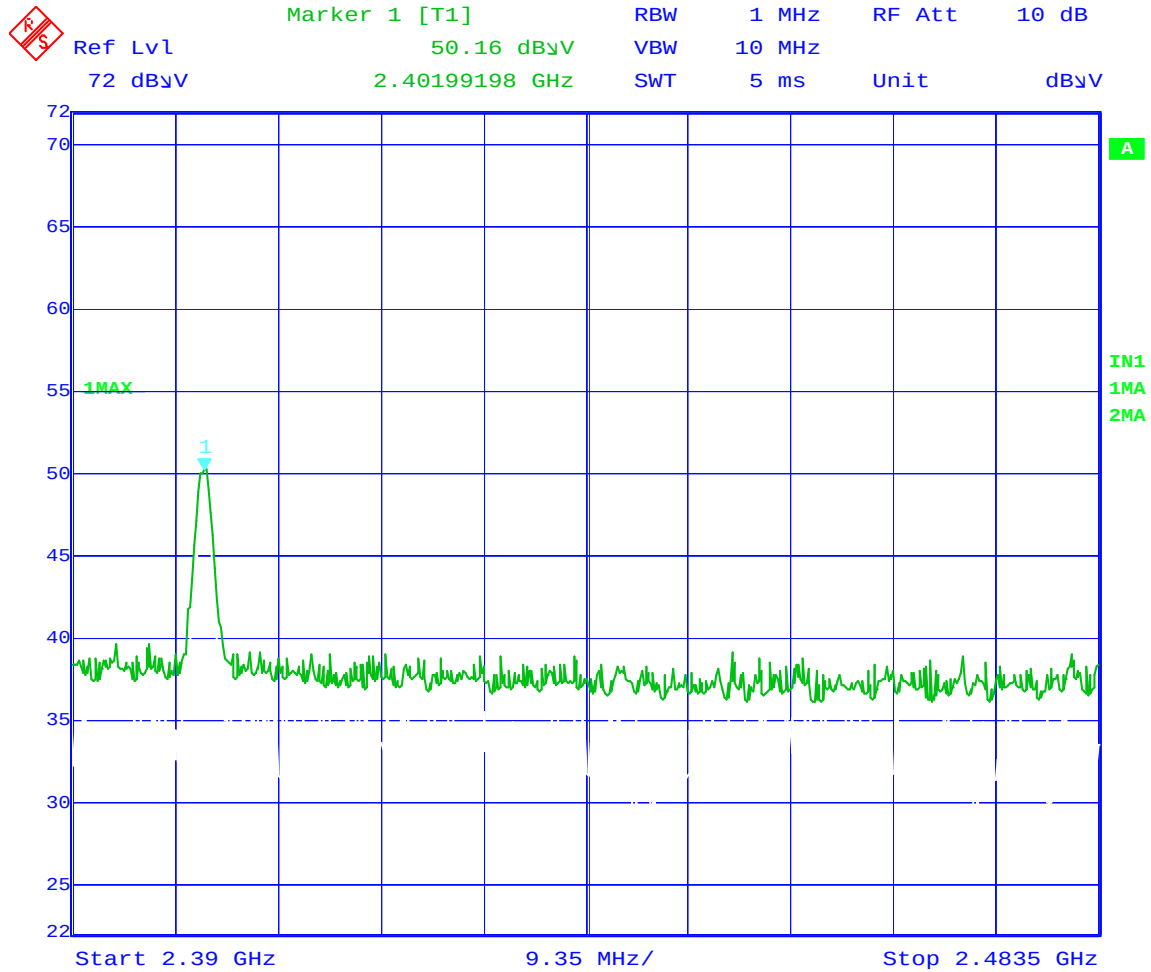
Radiated Emissions Band Edge

Motorola

Model: V3c

ID Code: 16737-1

BT CH0 2402MHz Y-Axis



Date: 17.AUG.2005 10:32:59

Authorized Band Emissions Low Channel Dual Polarization Y

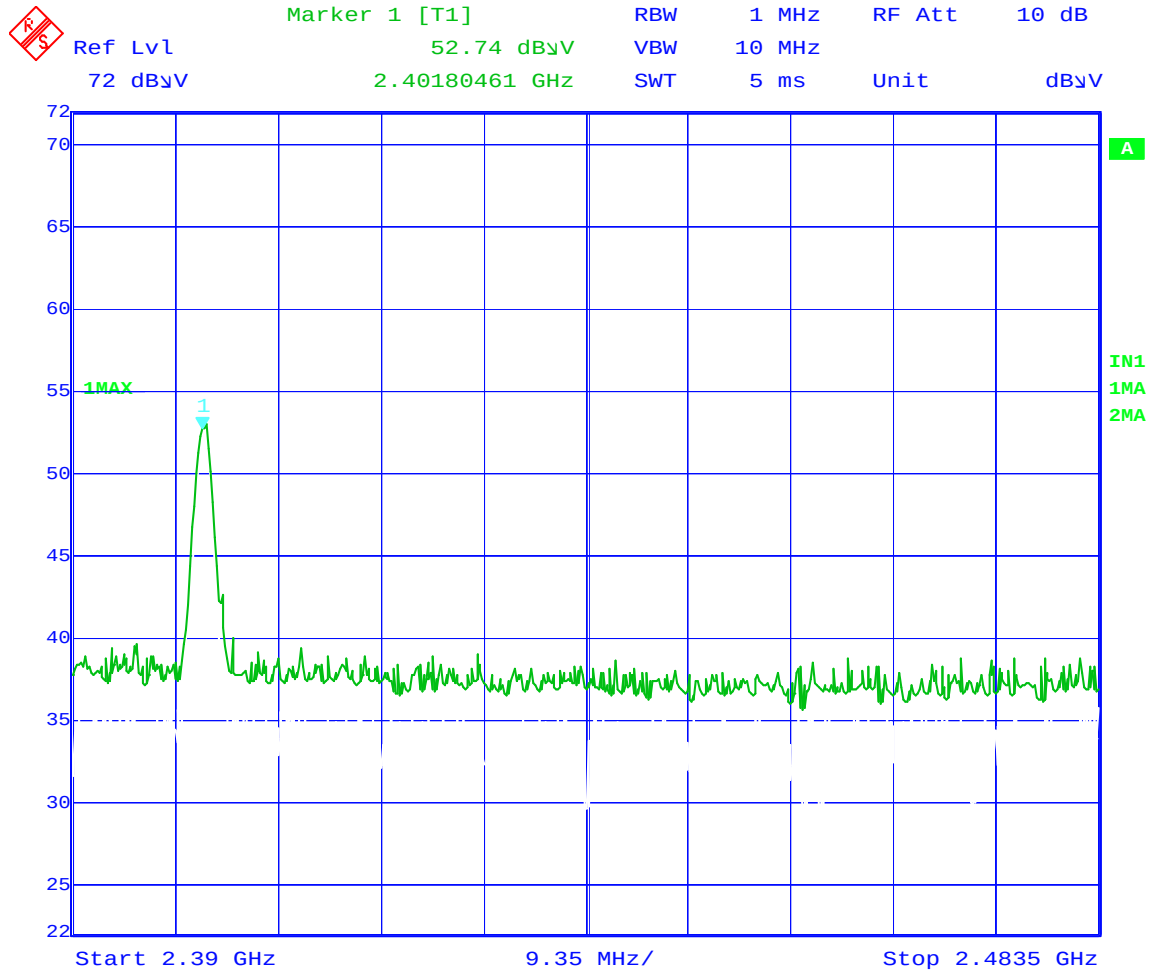
Radiated Emissions Band Edge

Motorola

Model: V3c

ID Code: 16737-1

BT CH0 2402MHz Z-Axis



Date: 17.AUG.2005 10:34:56

Authorized Band Emissions Low Channel Dual Polarization Z

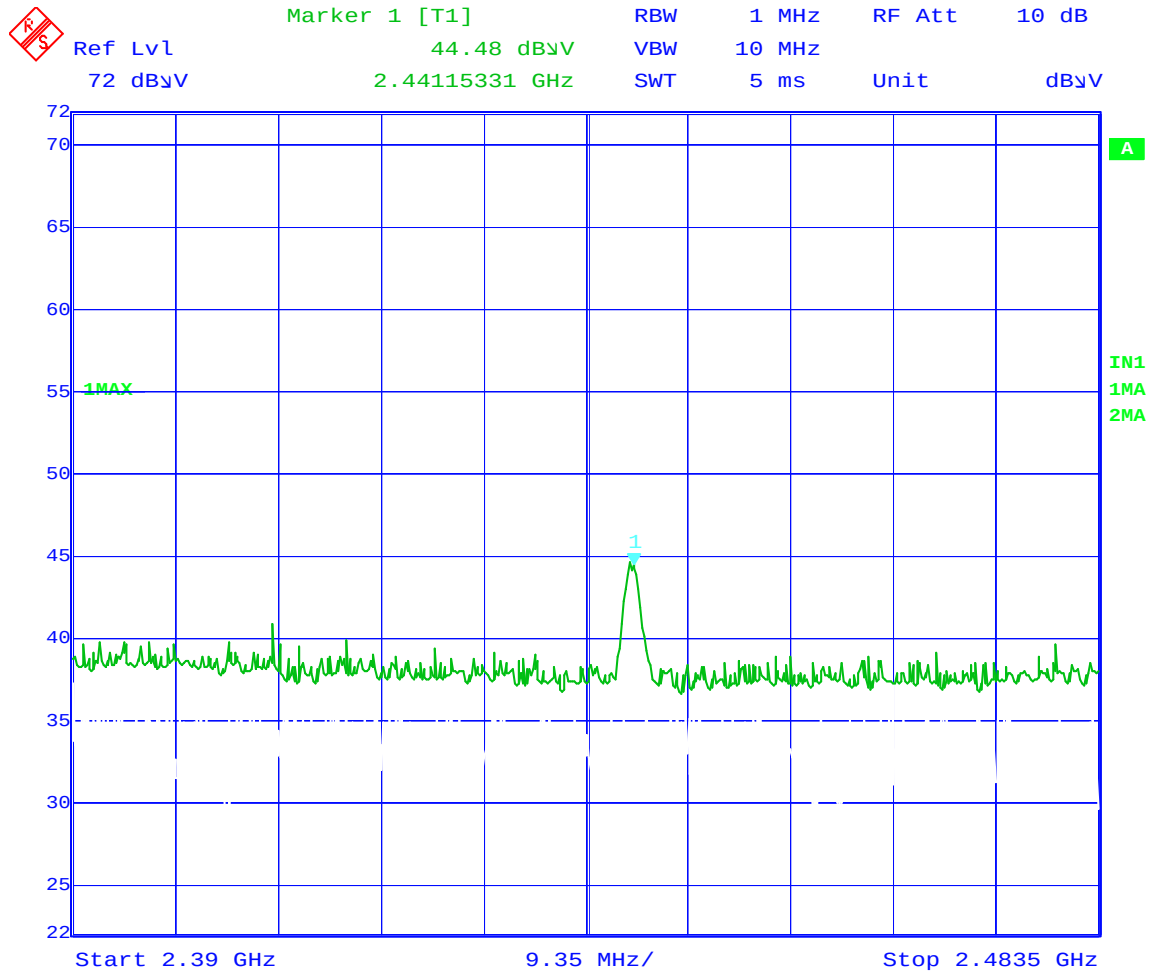
Radiated Emissions Band Edge

Motorola

Model: V3c

ID Code: 16737-1

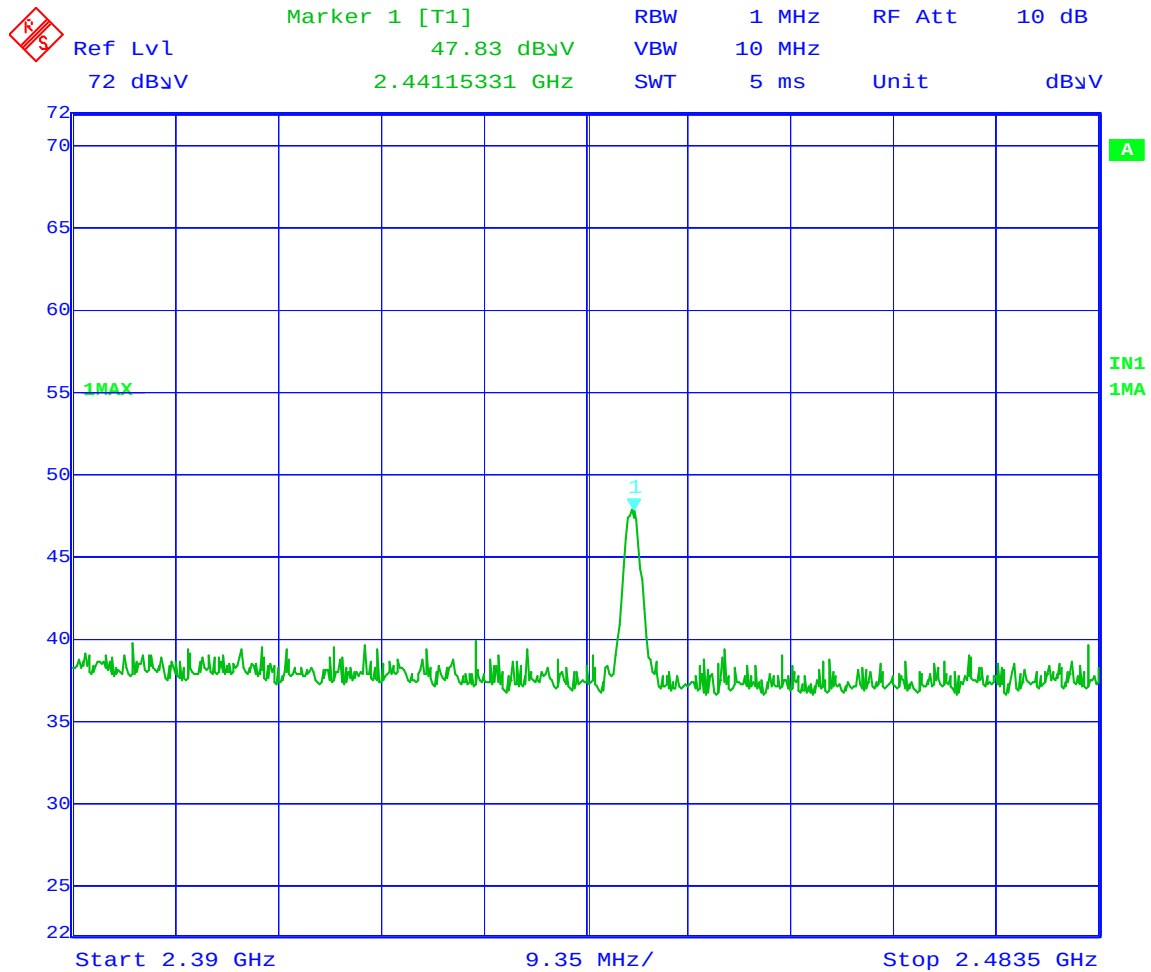
BT CH39 2442MHz X-Axis



Date: 17.AUG.2005 10:42:42

Authorized Band Emissions Mid Channel Dual Polarization X

Radiated Emissions Band Edge
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH39 2442MHz Y-Axis



Date: 17.AUG.2005 10:45:22

Authorized Band Emissions Mid Channel Dual Polarization Y

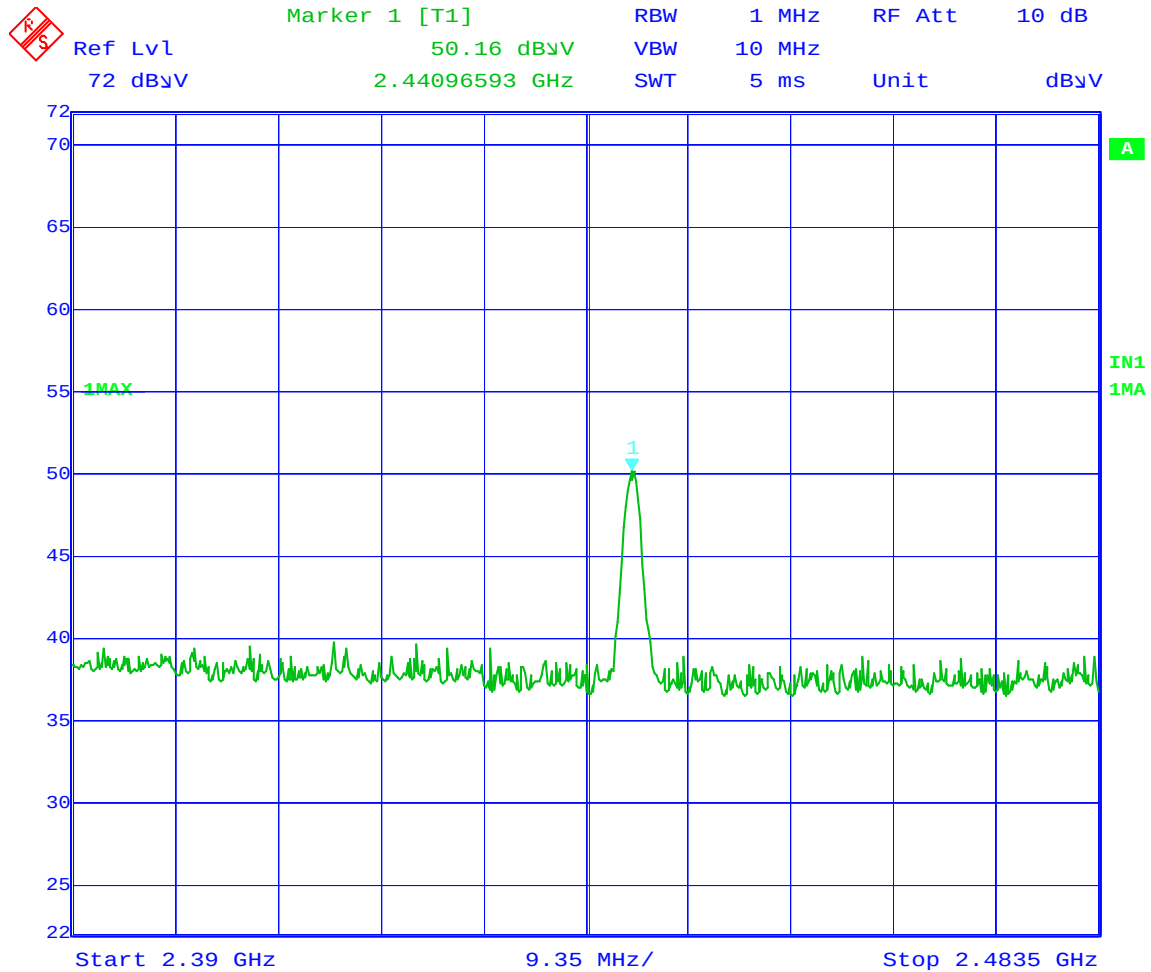
Radiated Emissions Band Edge

Motorola

Model: V3c

ID Code: 16737-1

BT CH39 2442MHz Z-Axis



Date: 17.AUG.2005 10:47:32

Authorized Band Emissions Mid Channel Dual Polarization Z

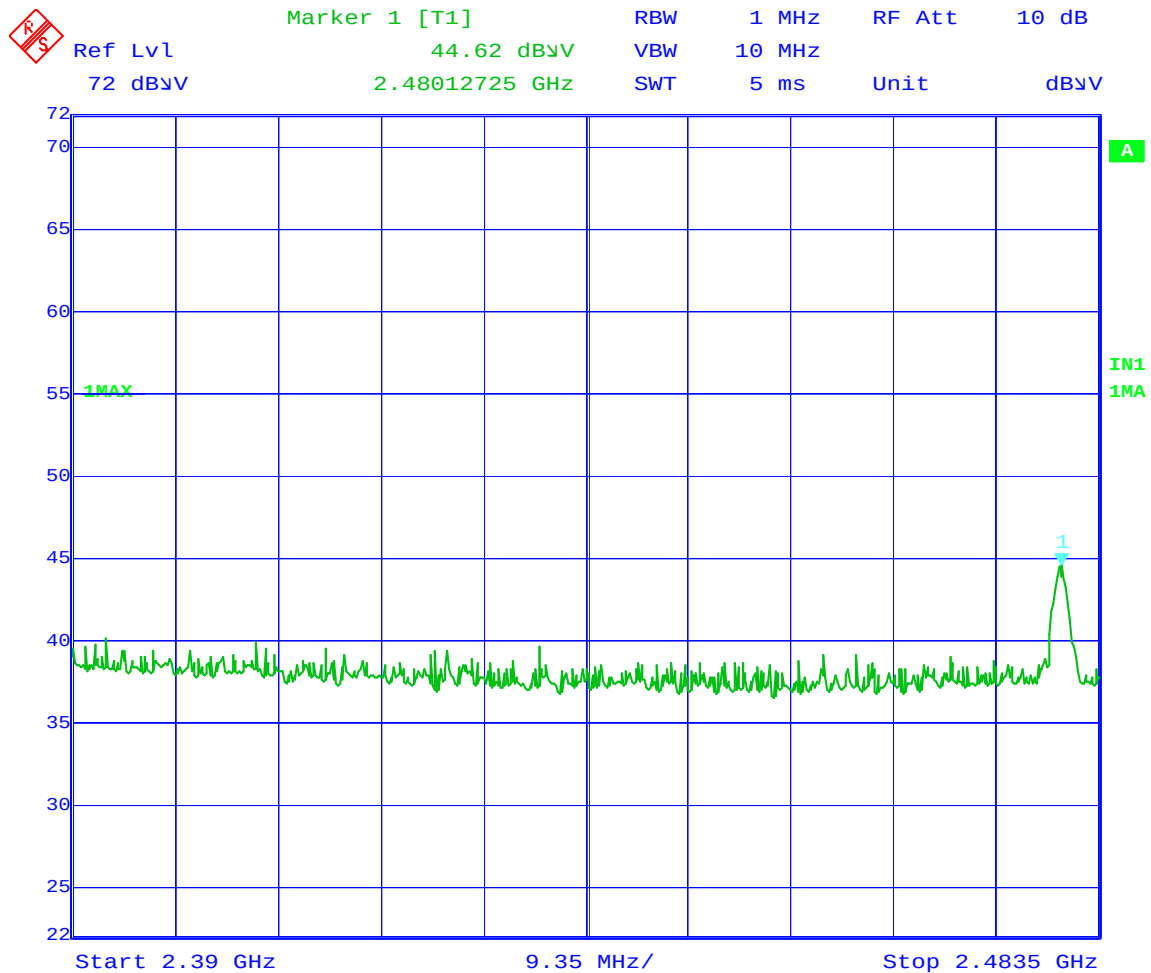
Radiated Emissions Band Edge

Motorola

Model: V3c

ID Code: 16737-1

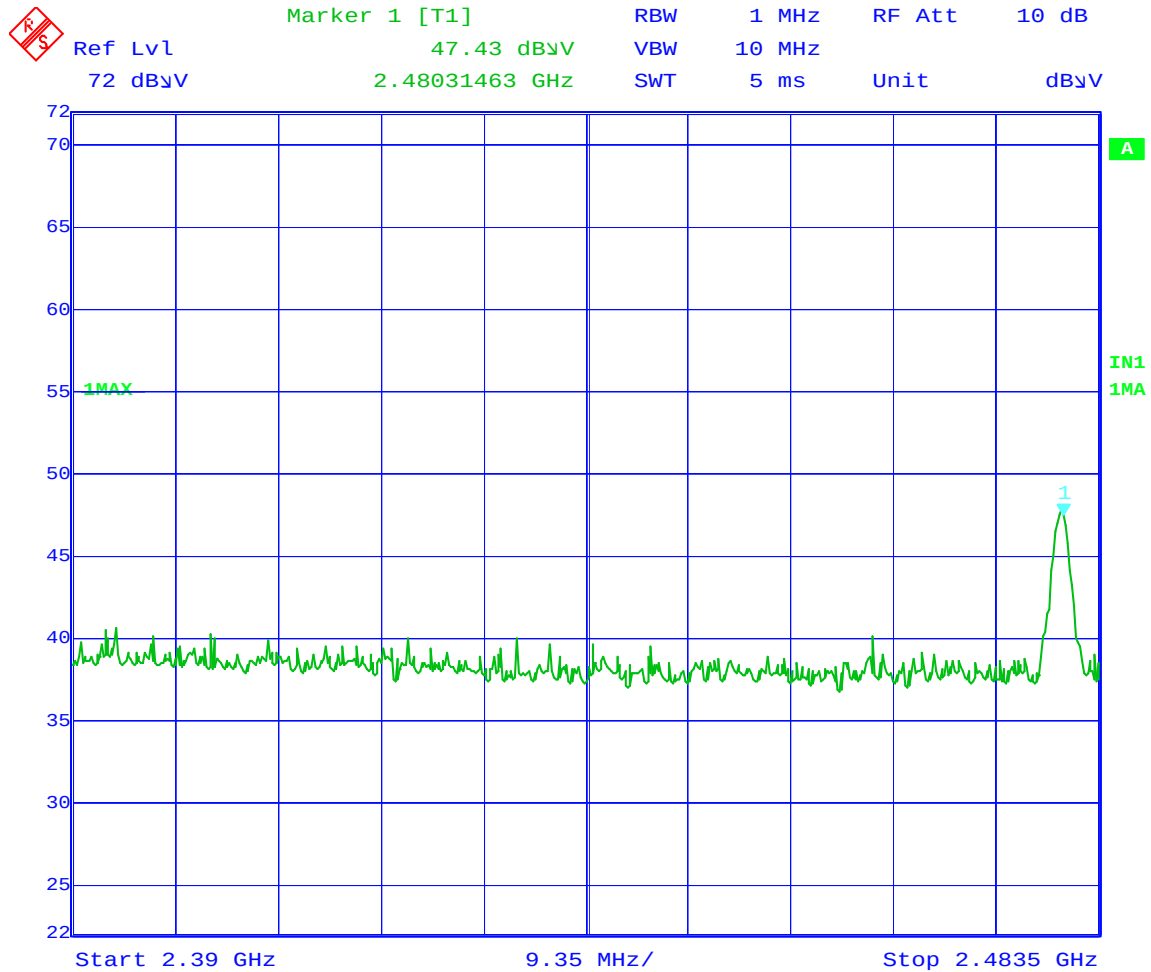
BT CH78 2480MHz X-Axis



Date: 17.AUG.2005 10:51:17

Authorized Band Emissions High Channel Dual Polarization X

Radiated Emissions Band Edge
 Motorola
 Model: V3c ID Code: 16737-1
 BT CH78 2480MHz Y-Axis



Date: 17.AUG.2005 10:53:46

Authorized Band Emissions High Channel Dual Polarization Y

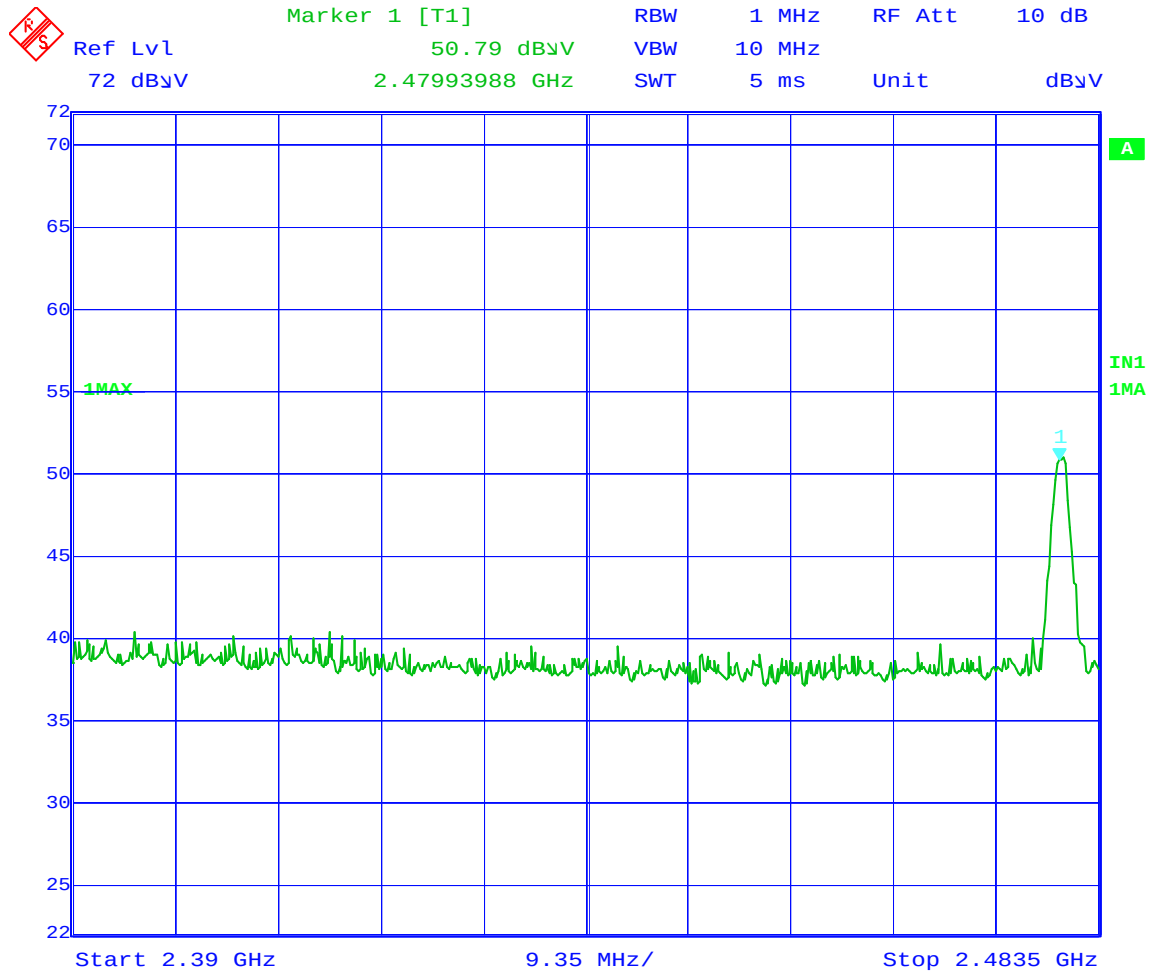
Radiated Emissions Band Edge

Motorola

Model: V3c

ID Code: 16737-1

BT CH78 2480MHz Z-Axis



Date: 17.AUG.2005 10:56:55

Authorized Band Emissions High Channel Dual Polarization Z

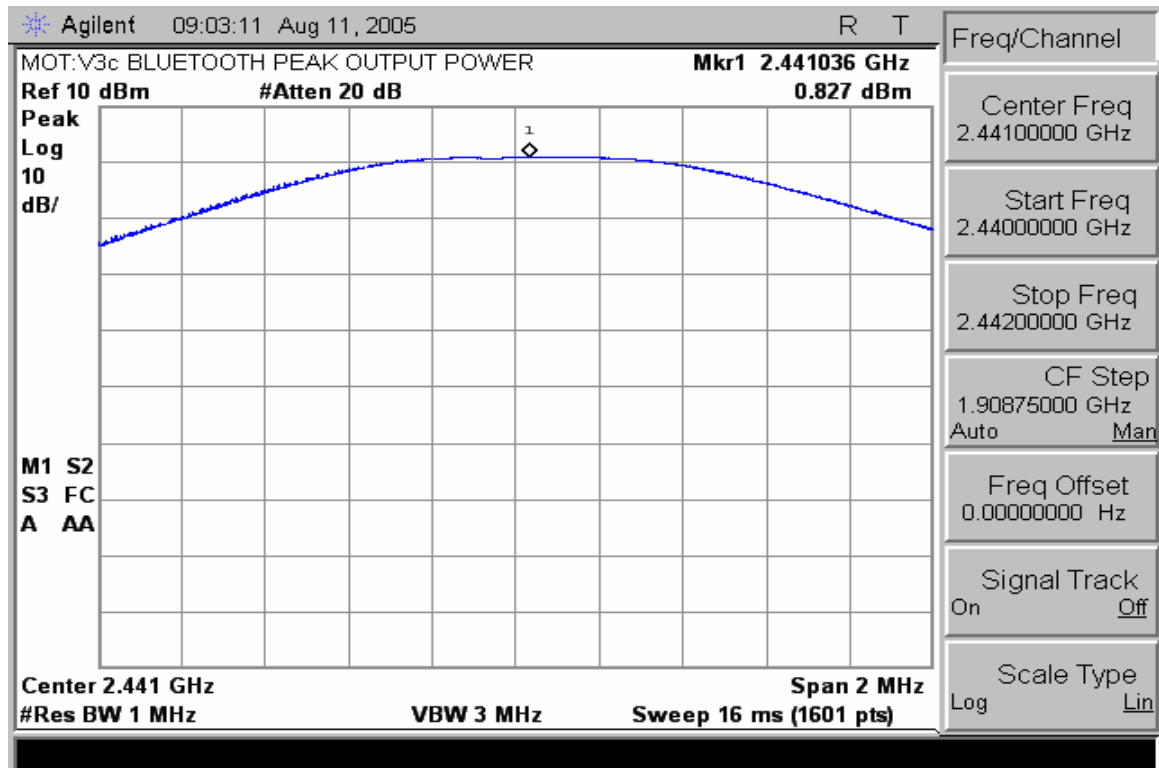
PEAK OUTPUT POWER

CFR 47 Part 15.247

Measurement Procedure

The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

Measurement Results



Peak Output Power

BAND-EDGE COMPLIANCE OF RF CONDUCTED EMISSIONS

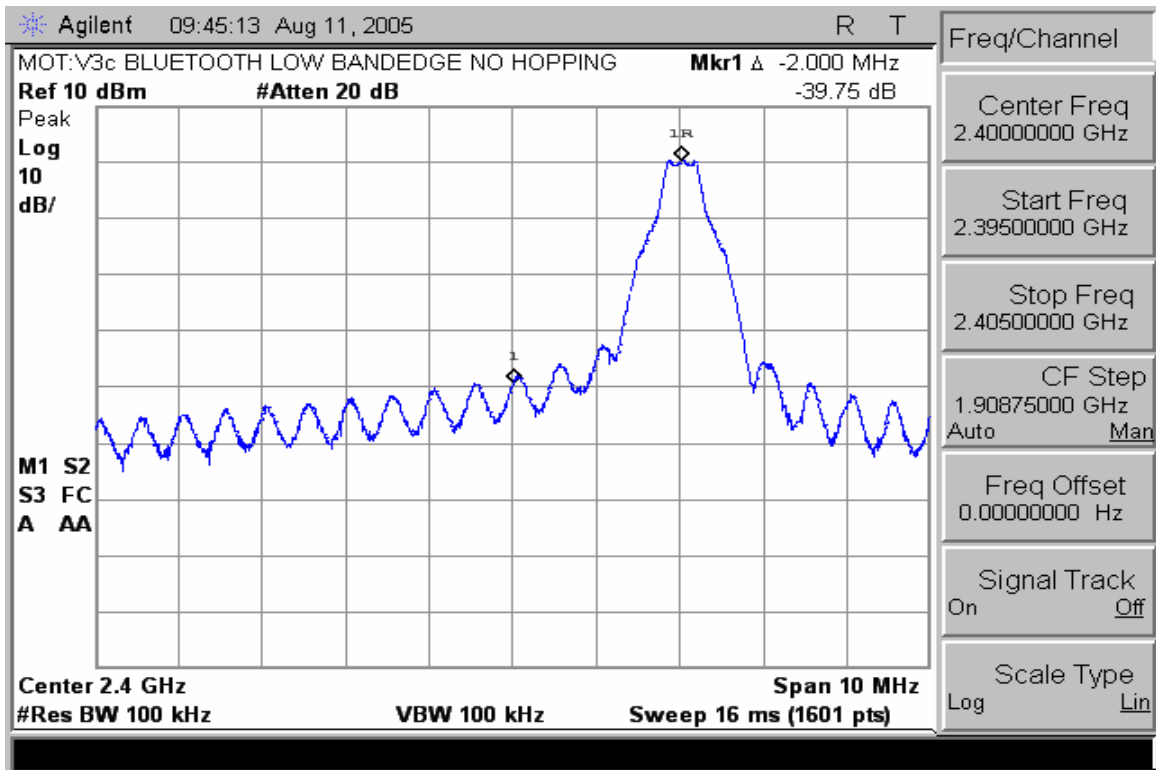
CFR 47 Part 15.247

Measurement Procedure

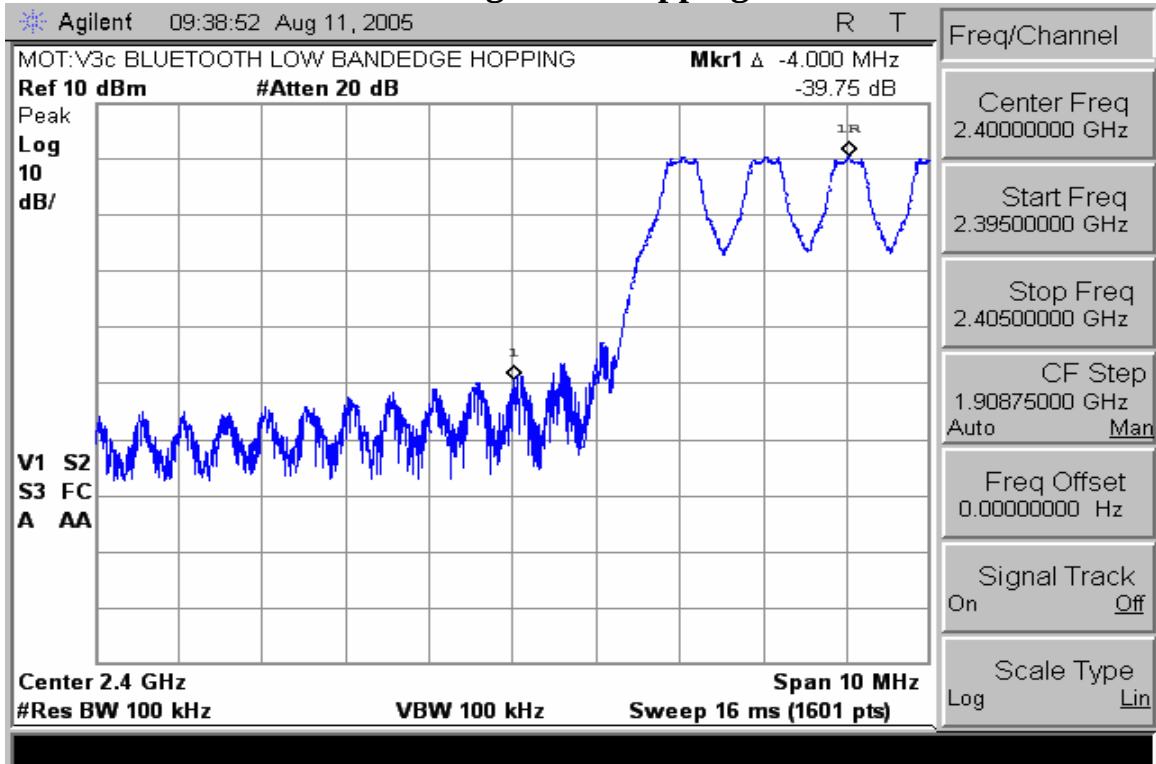
The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

Measurement Results

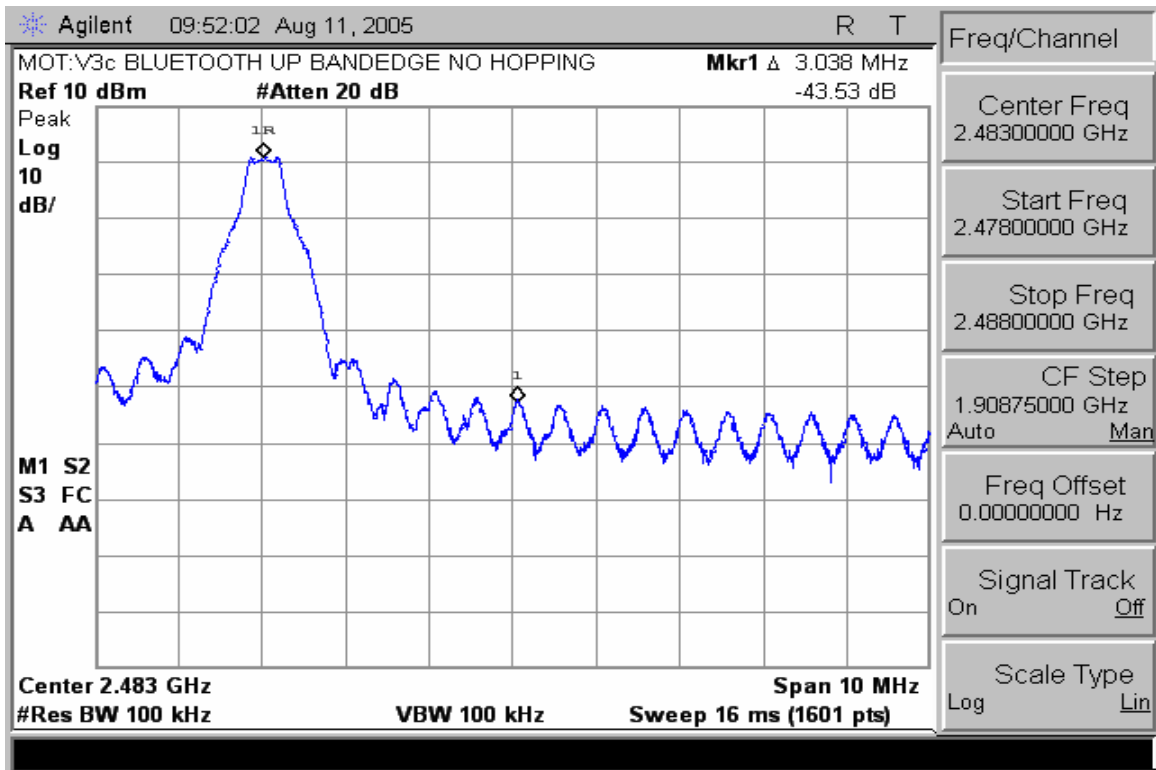
See Attached:



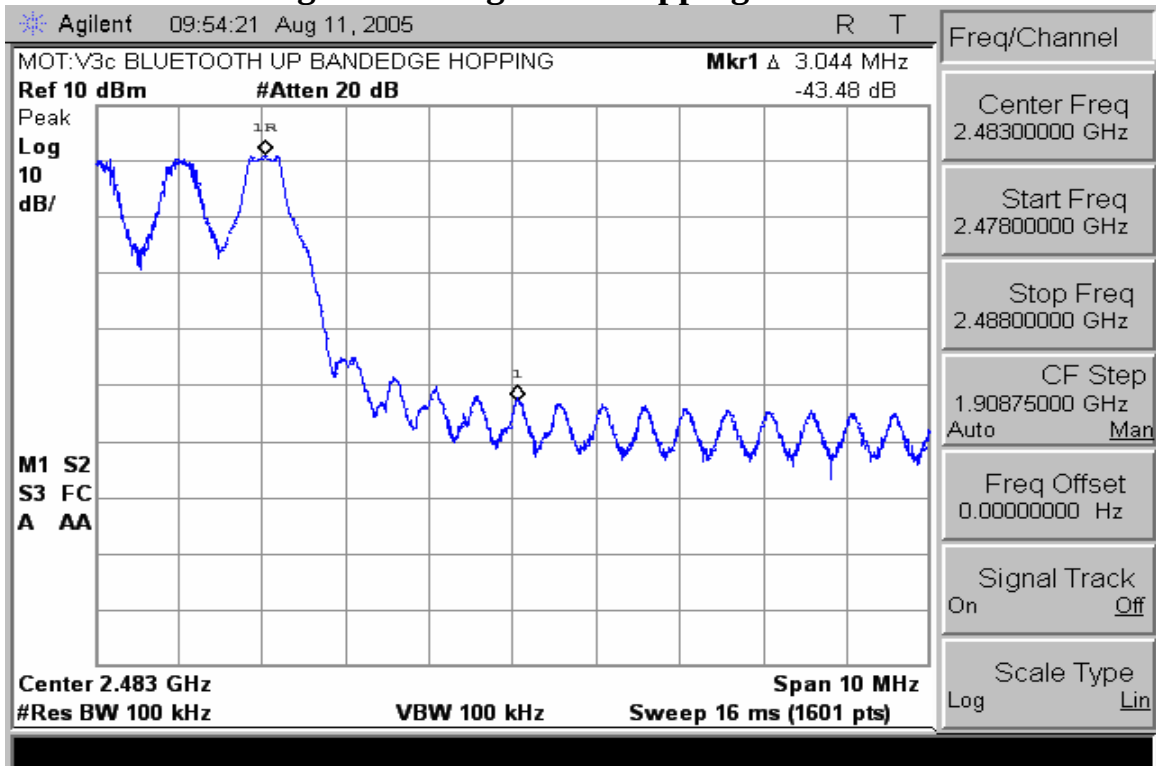
Low Band Edge with Hopping Disabled



Low Band Edge with Hopping Enabled



High Band Edge with Hopping Disabled



High Band Edge with Hopping Enabled

SPURIOUS RF CONDUCTED EMISSIONS

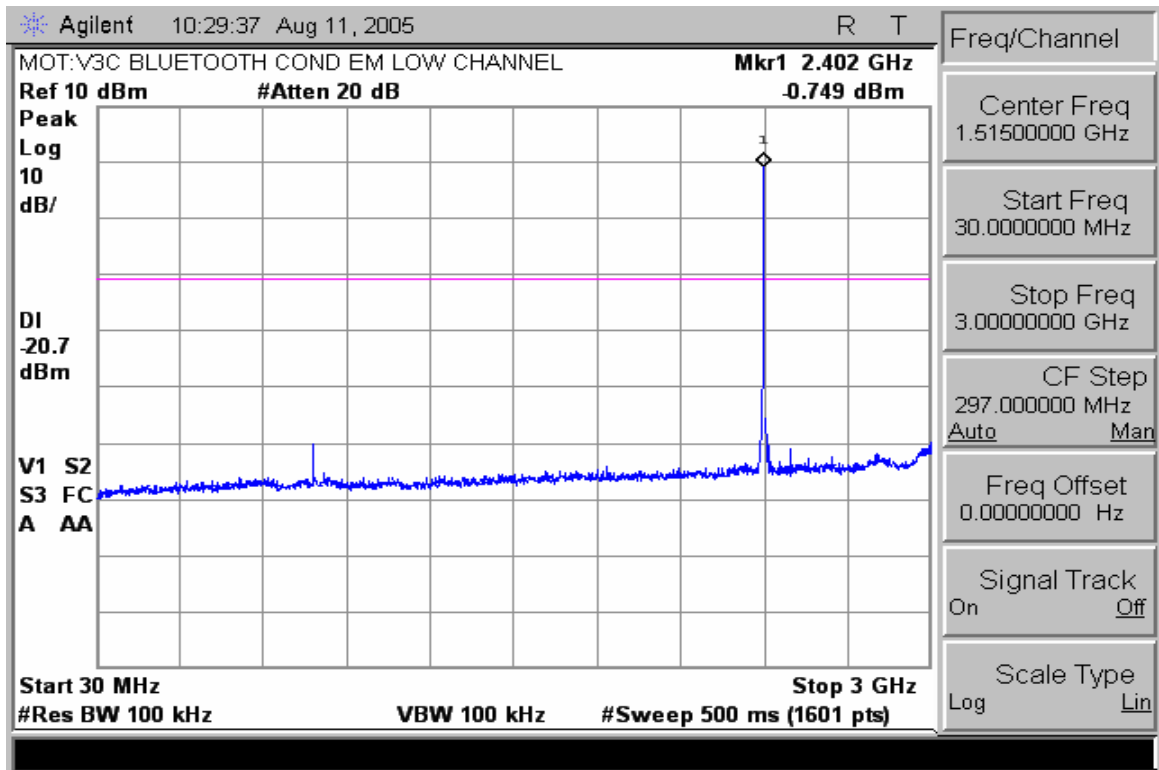
CFR 47 Part 15.247

Measurement Procedure

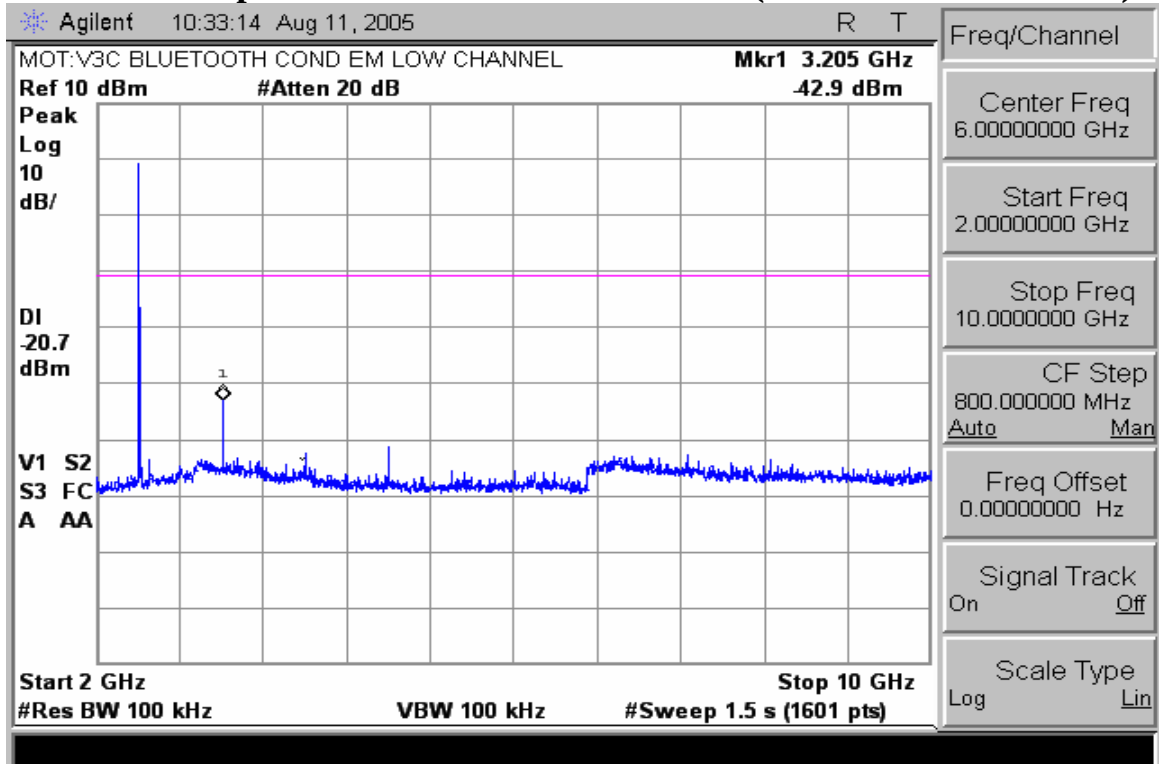
The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

Measurement Results

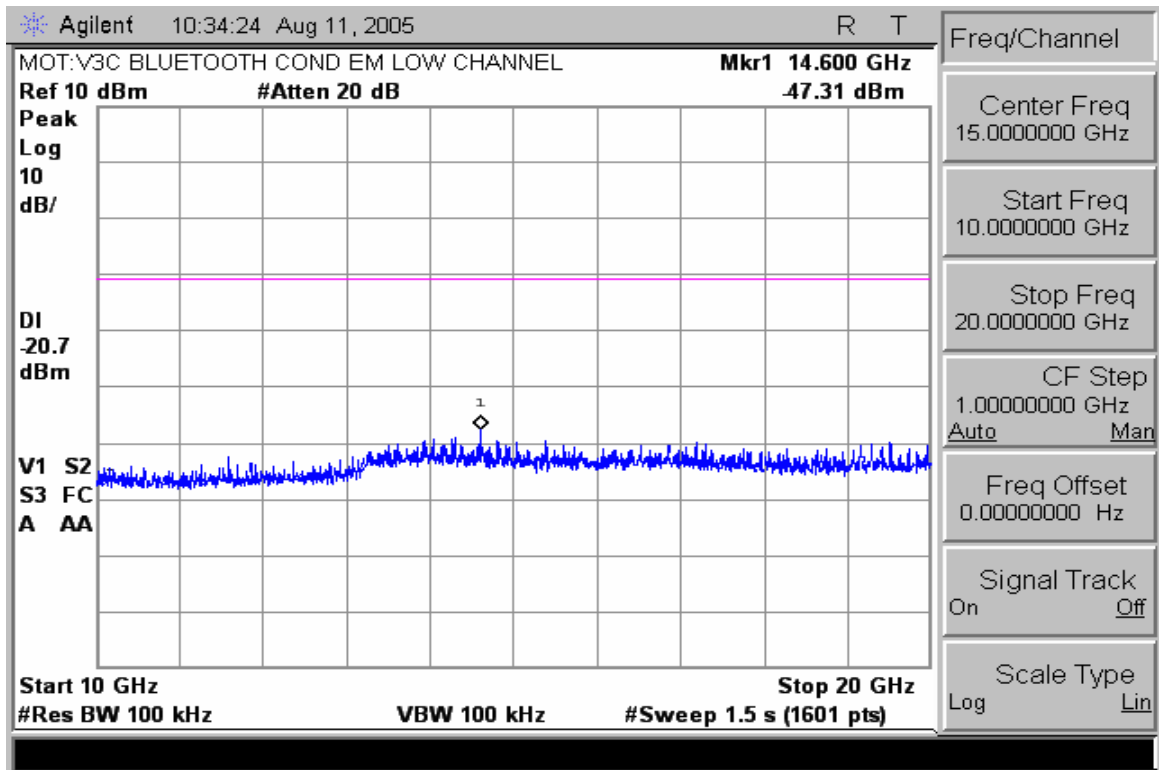
See attached:



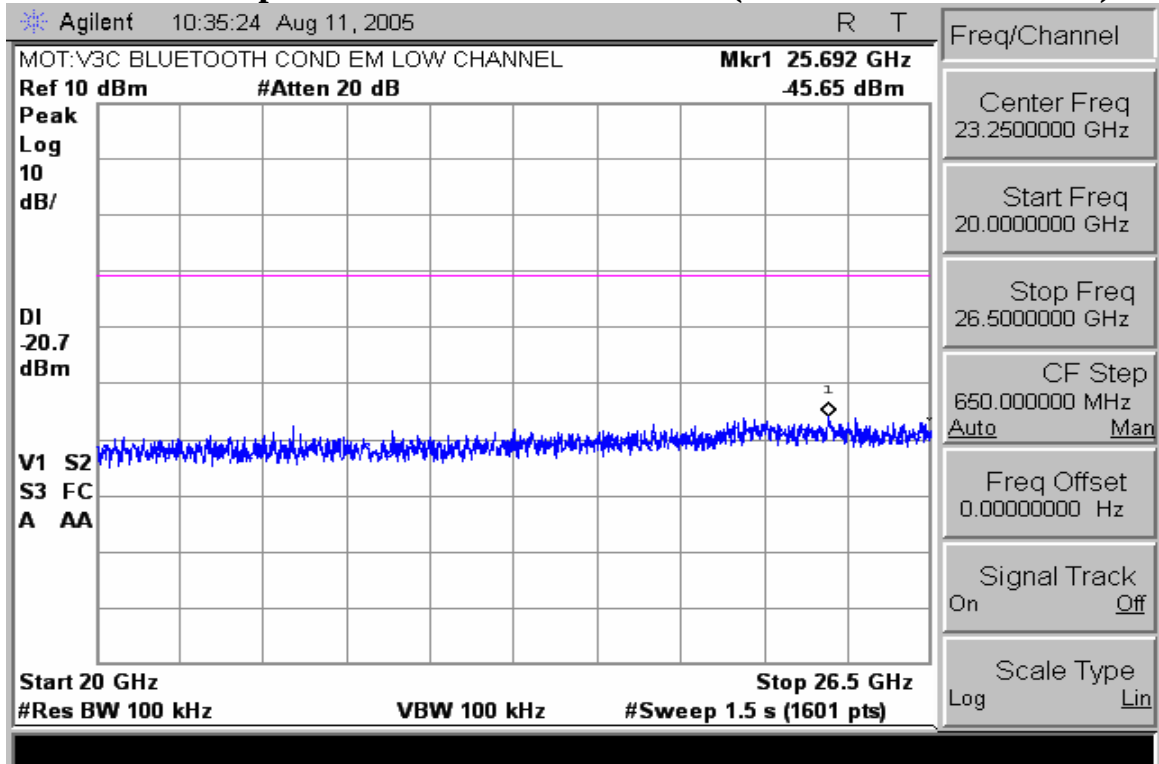
Conducted Spurious Emissions 30-3000MHz (Low Channel Enabled)



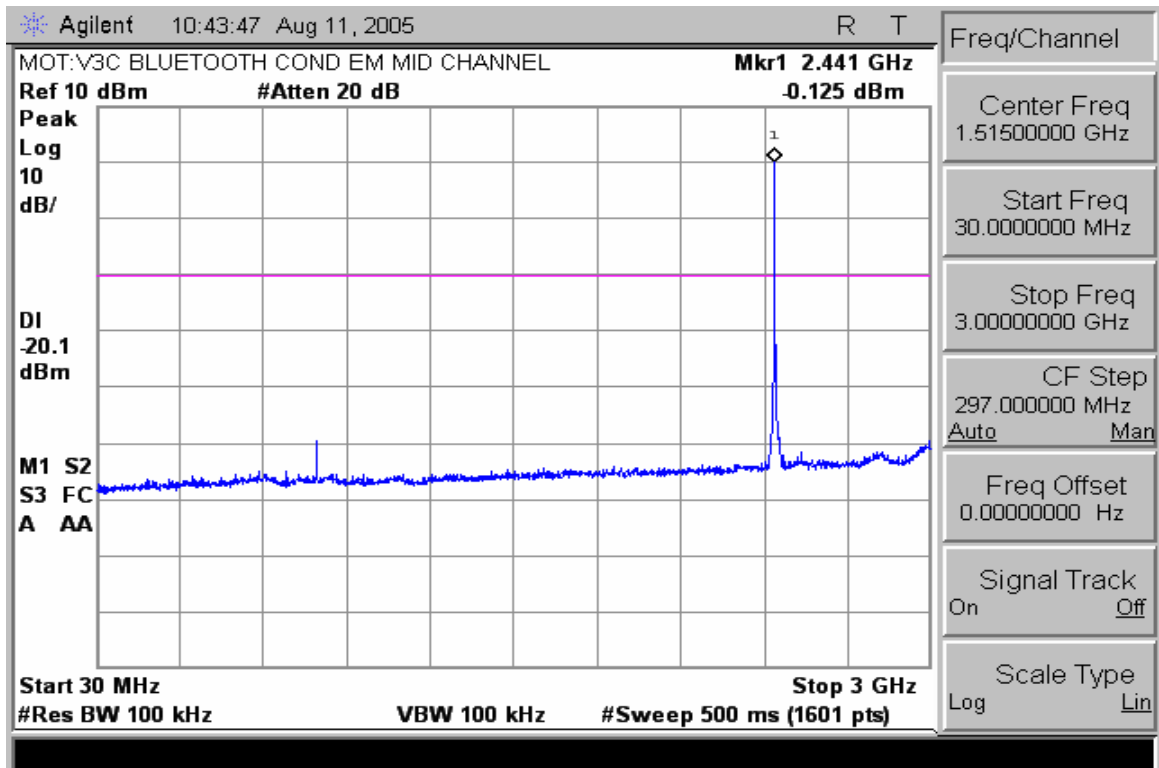
Conducted Spurious Emissions 2-10GHz (Low Channel Enabled)



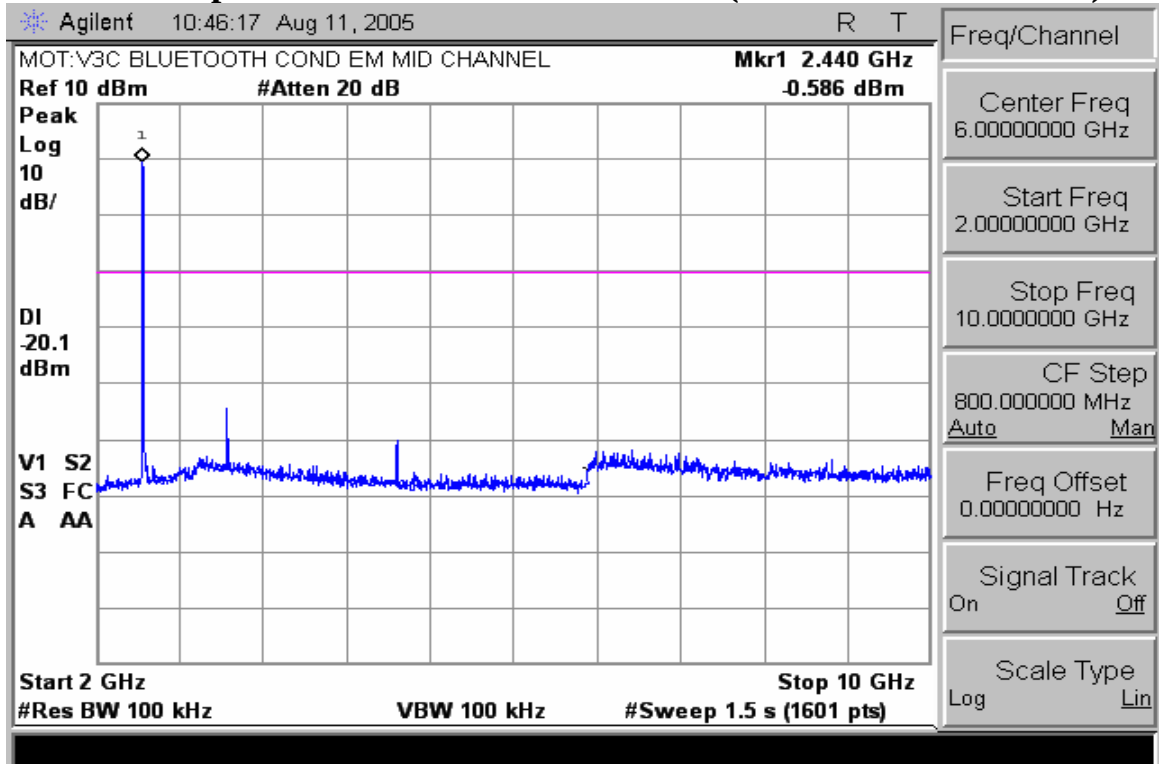
Conducted Spurious Emissions 10-20GHz (Low Channel Enabled)



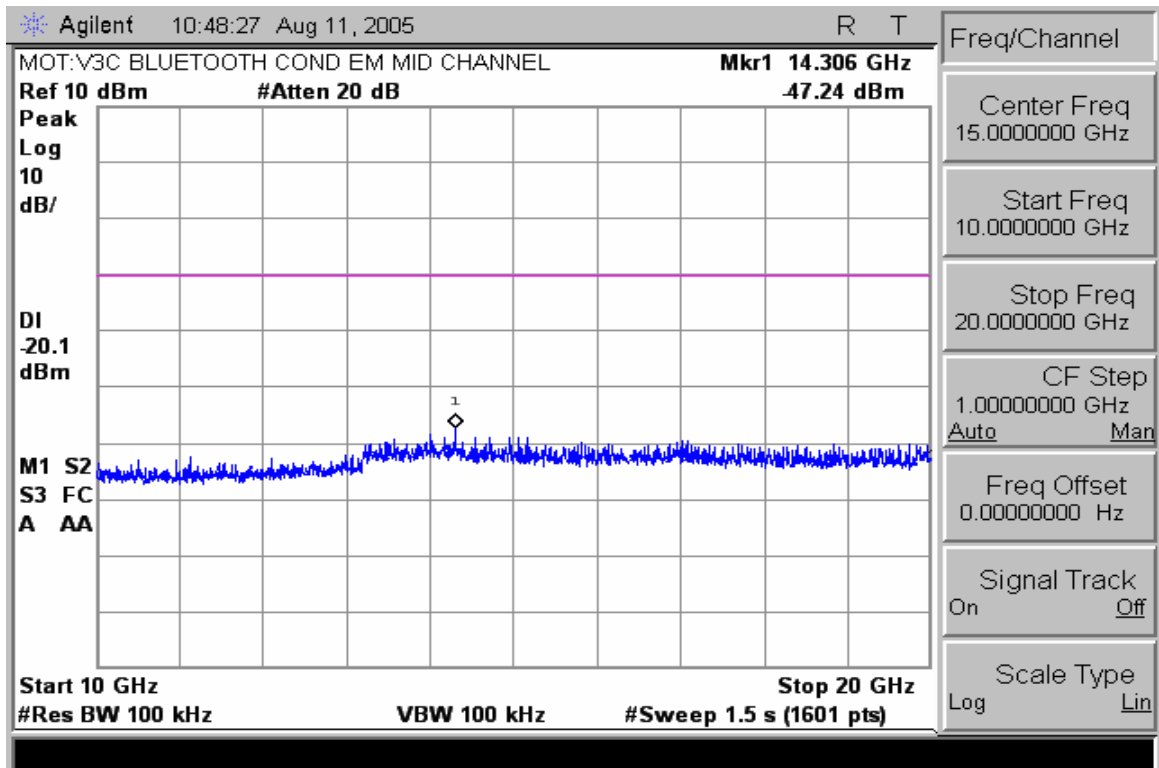
Conducted Spurious Emissions 20-26.5GHz (Low Channel Enabled)



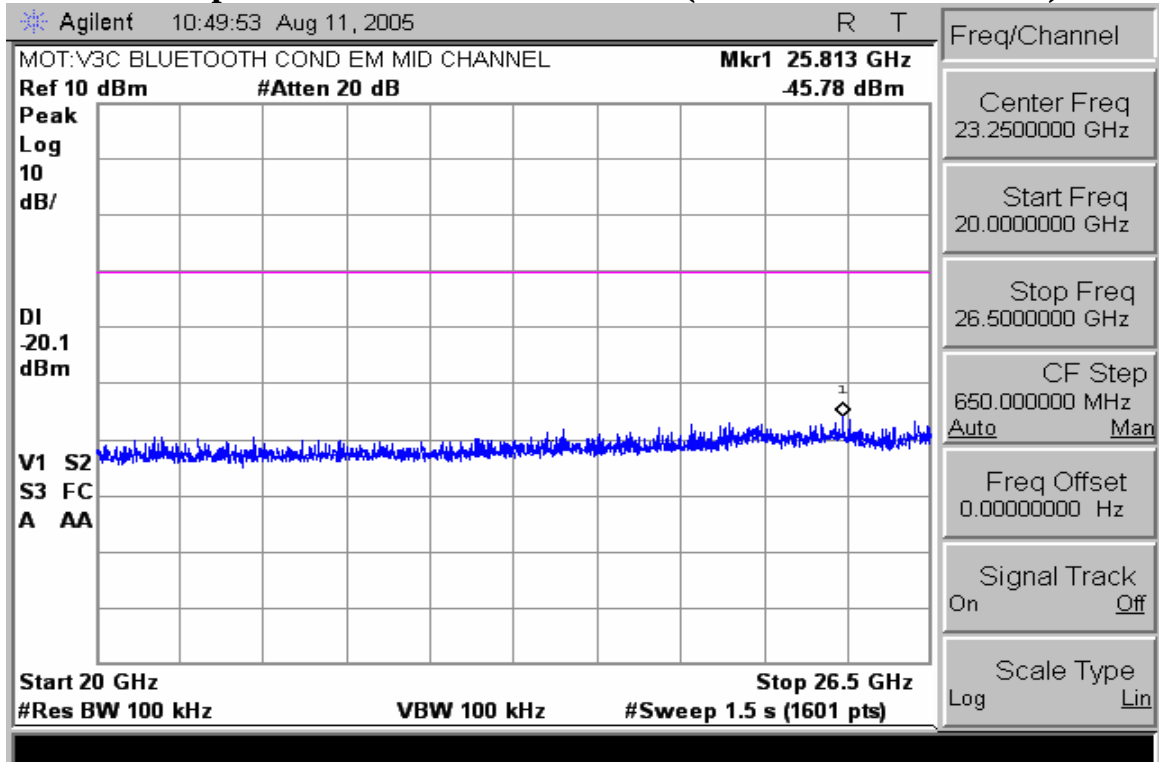
Conducted Spurious Emissions 30-3000MHz (Mid Channel Enabled)



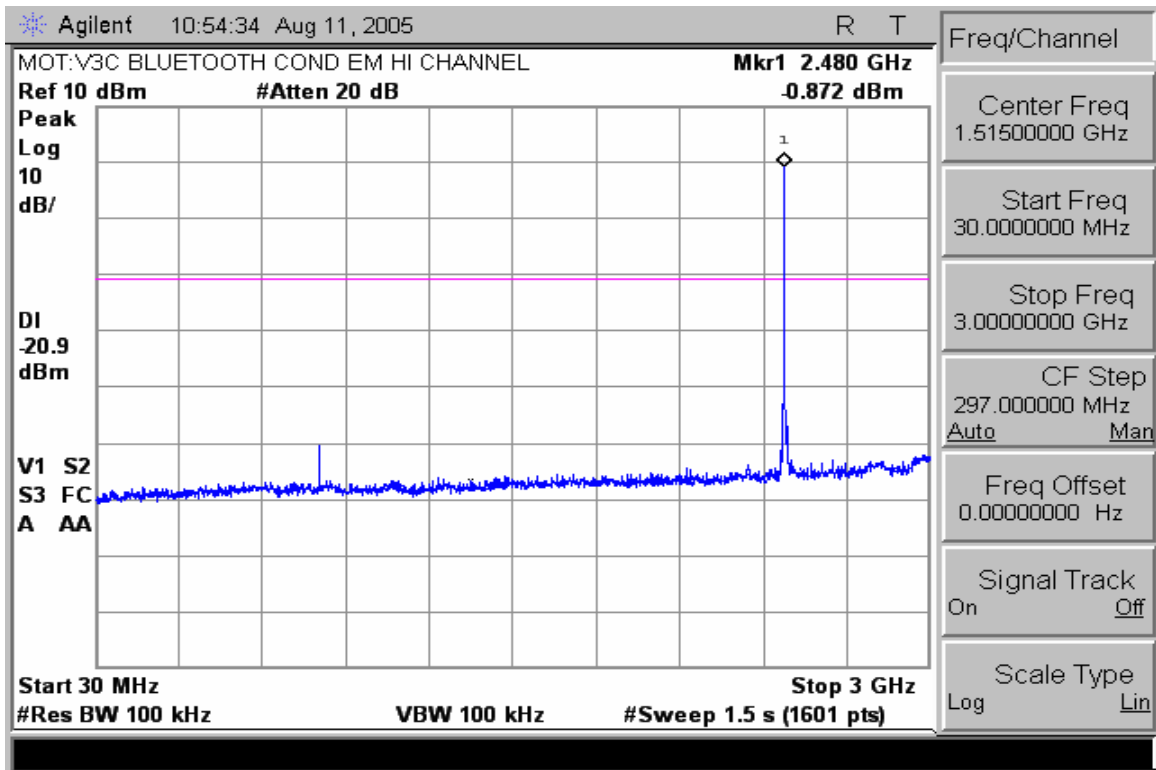
Conducted Spurious Emissions 2-10GHz (Mid Channel Enabled)



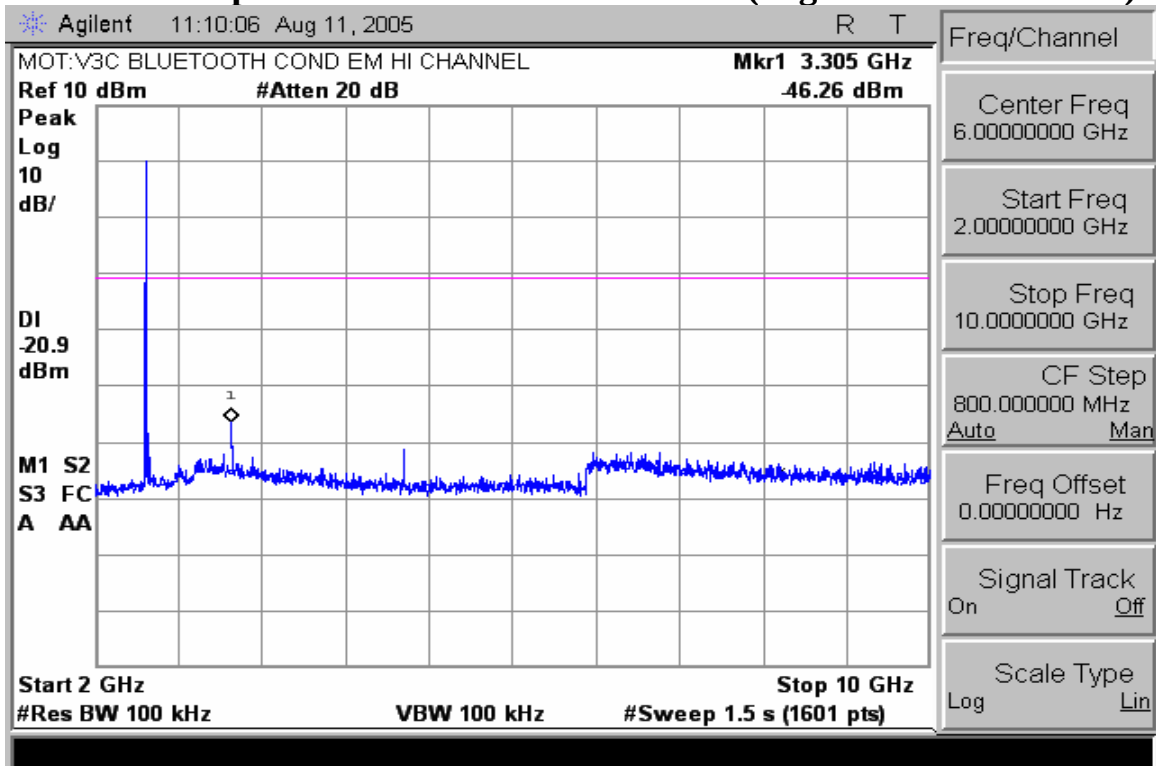
Conducted Spurious Emissions 10-20GHz (Mid Channel Enabled)



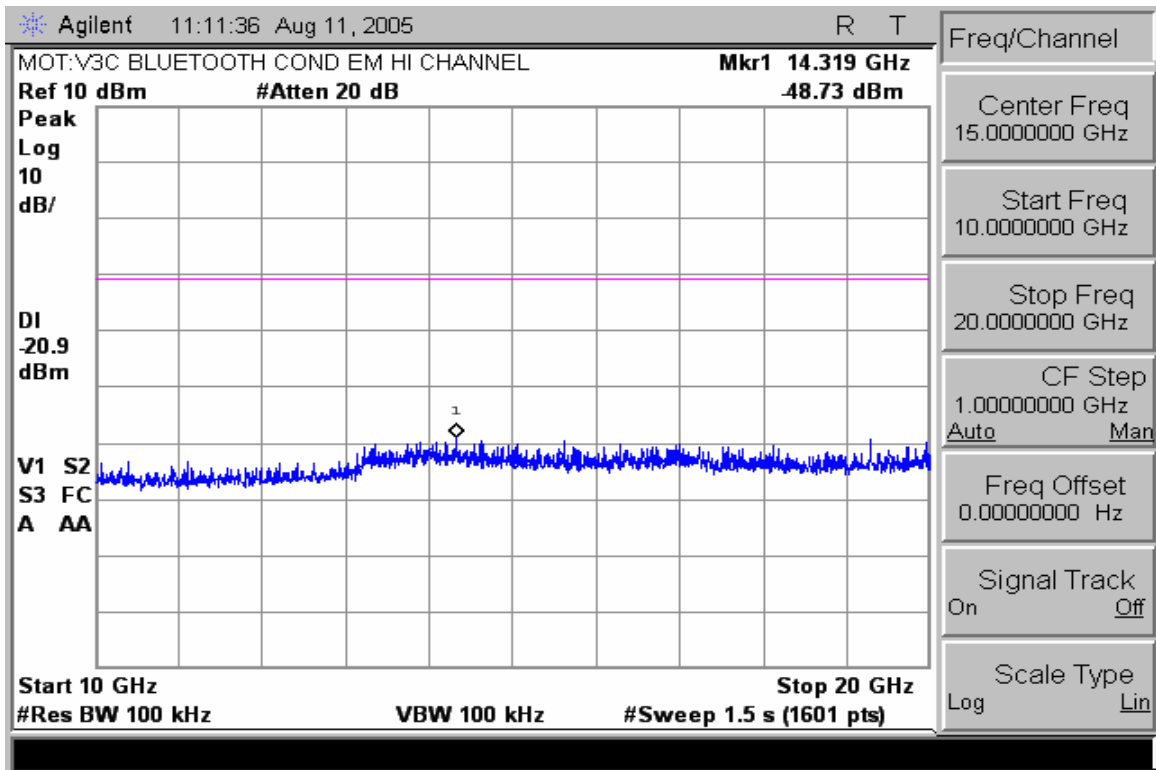
Conducted Spurious Emissions 20-26.5GHz (Mid Chan Enabled)



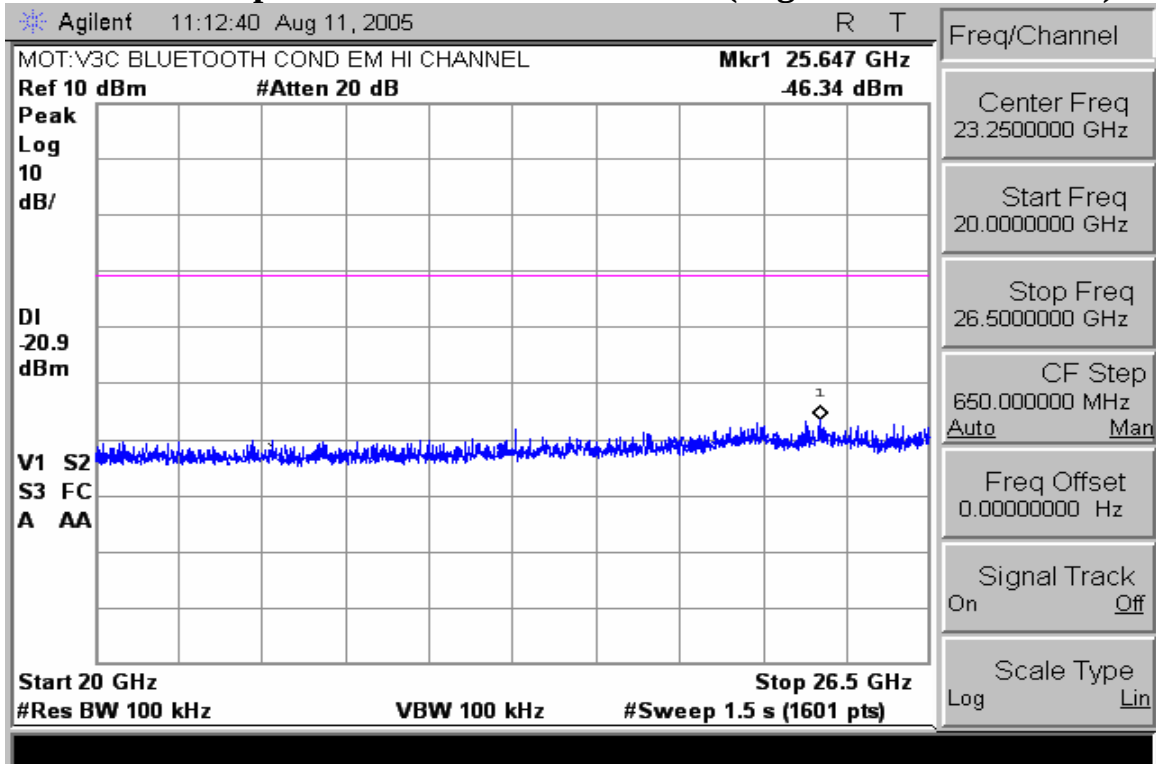
Conducted Spurious Emissions 30-3000MHz (High Channel Enabled)



Conducted Spurious Emissions 2-10GHz (High Channel Enabled)



Conducted Spurious Emissions 10-20GHz (High Channel Enabled)



Conducted Spurious Emissions 20-26.5GHz (High Chan Enabled)

AC LINE CONDUCTED

CFR 47 Part 15.207

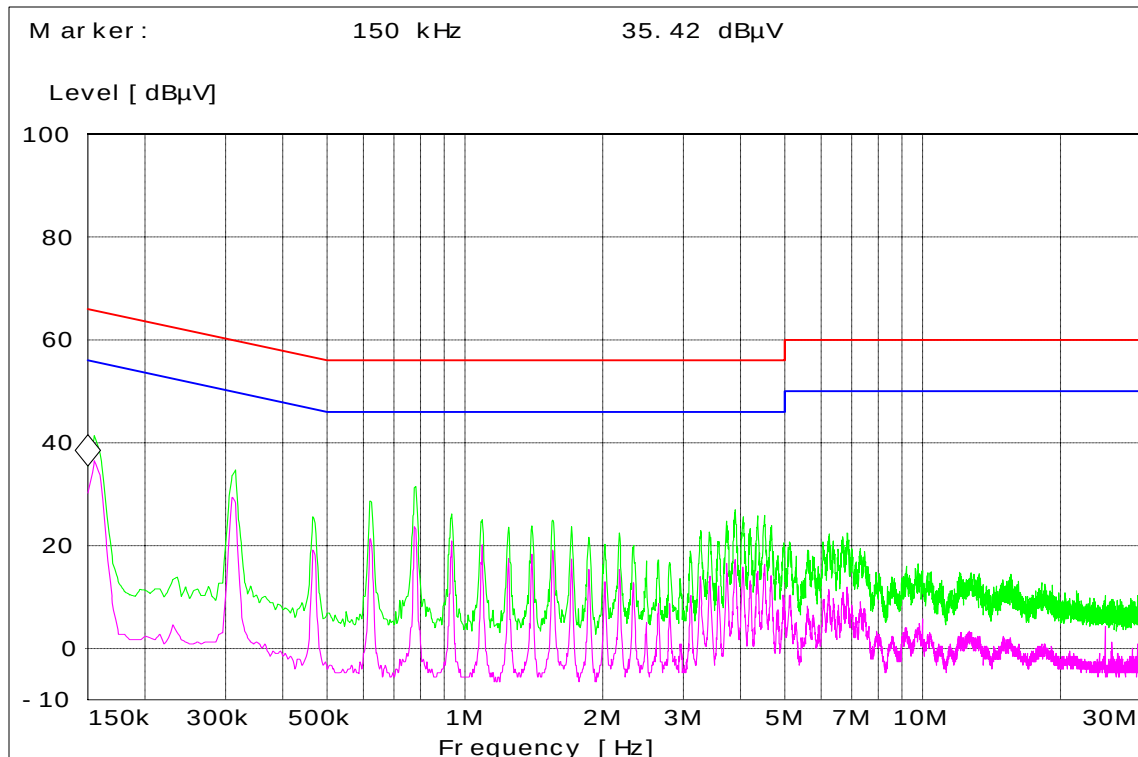
Measurement Procedure

Measured levels of ac powerline conducted emission shall be the radio-noise voltage from the line probe or across the 50 Ω LISN port, where permitted, terminated into a 50 Ω noise meter, or where permitted or required, the radio-noise current on the powerline sensed by a current probe.

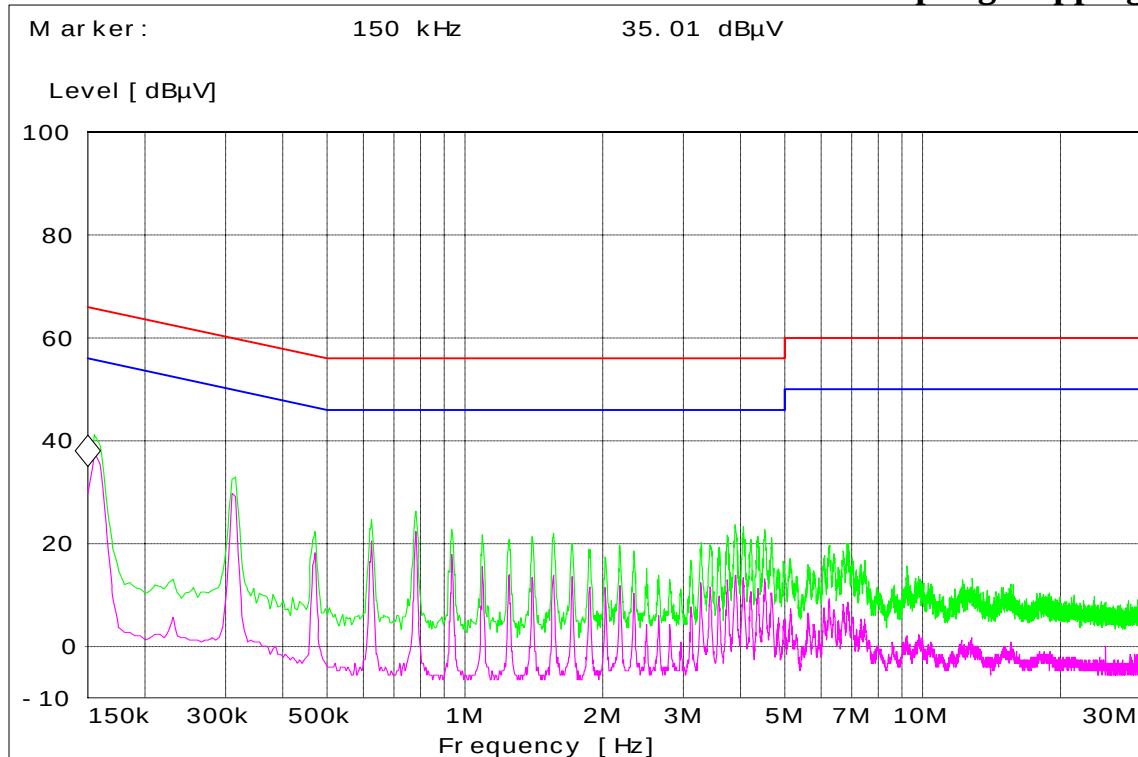
All radio-noise voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord or calibrated extension cord by the use of mating plugs and receptacles on the EUT and LISN. Equipment shall be tested with power cords that are normally supplied using an LISN, the 50 Ω measuring port is terminated by a 50 Ω radio-noise meter or a 50 Ω resistive load. All other ports are terminated in 50 Ω .

Measurement Results

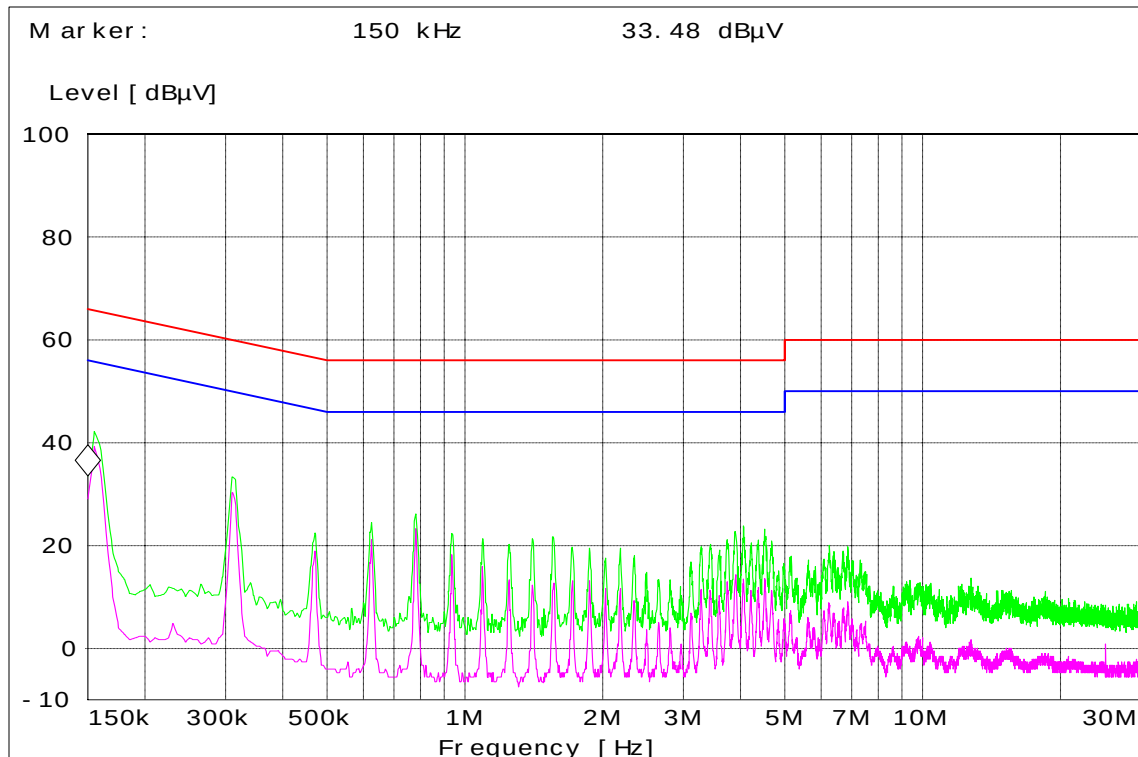
See attached:



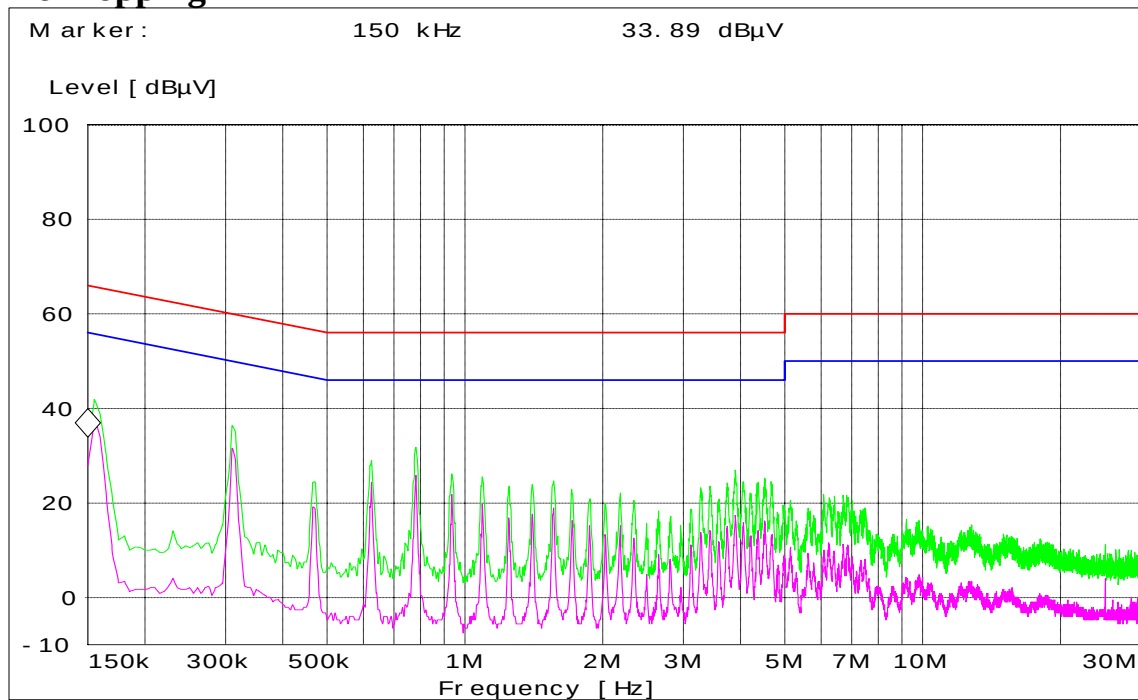
Bluetooth Channel 0 2402MHz - Tx Mode - Neutral Coupling Hopping



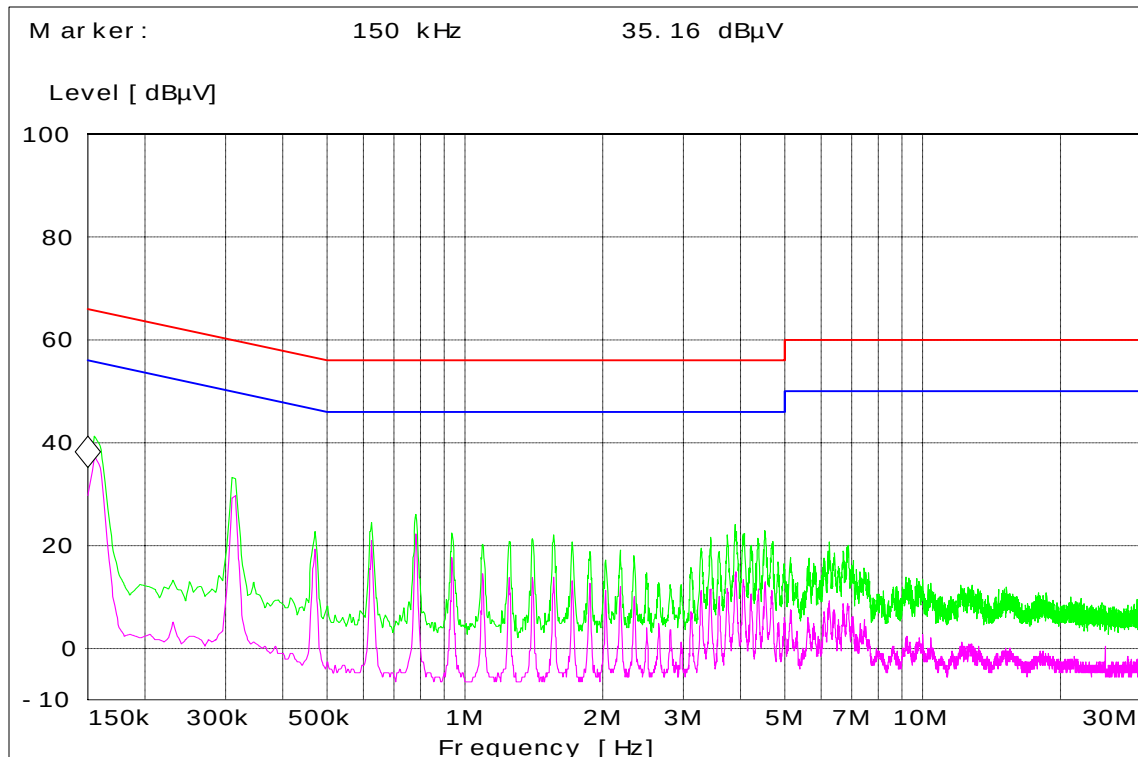
Bluetooth Channel 0 2402MHz - Tx Mode – Line Coupling Nonhopping



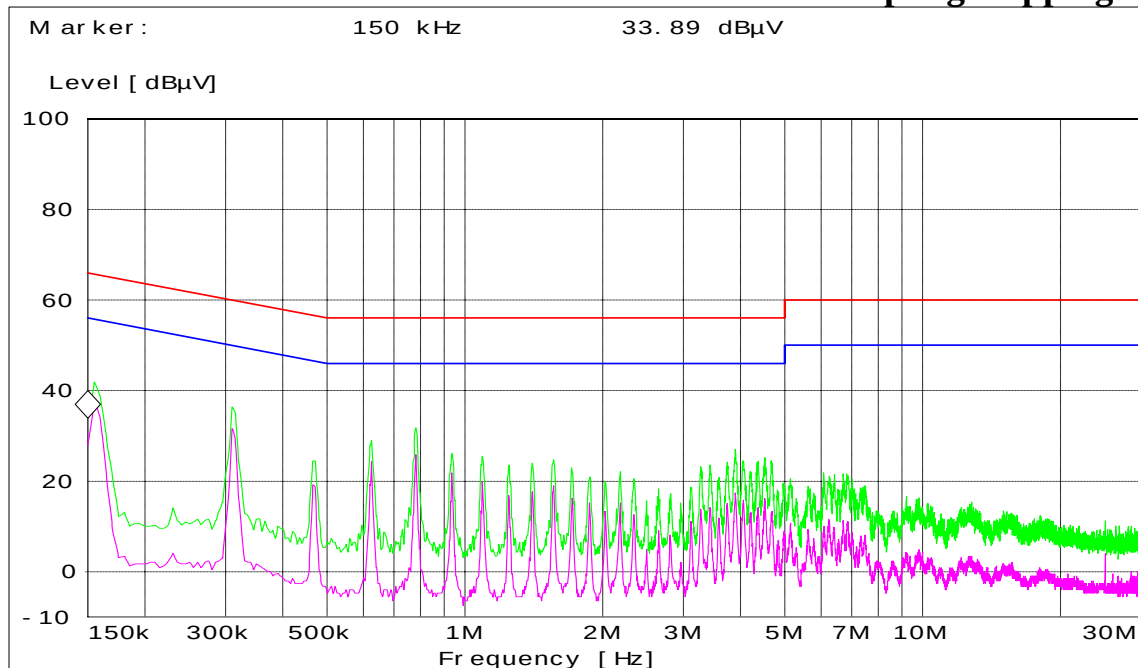
Bluetooth Channel 39 2441MHz - Tx Mode - Line Coupling Nonhopping



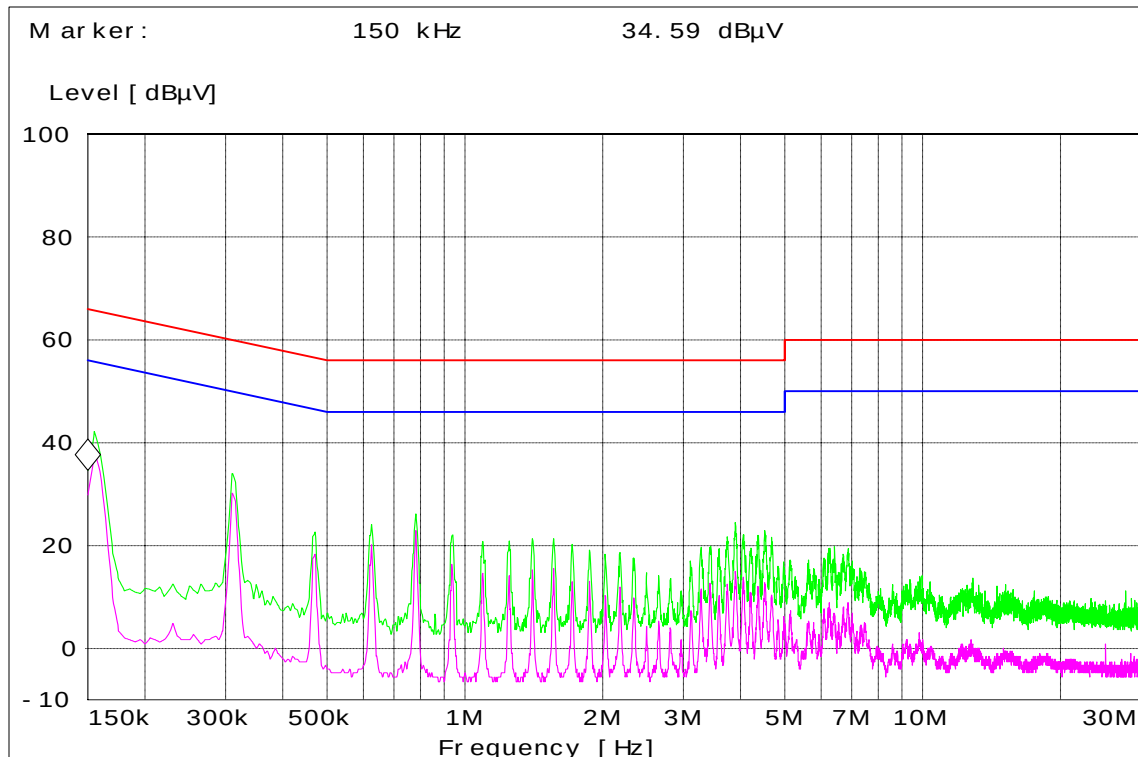
Bluetooth Channel 39 2441MHz - Tx Mode - Neutral Coupling Hopping



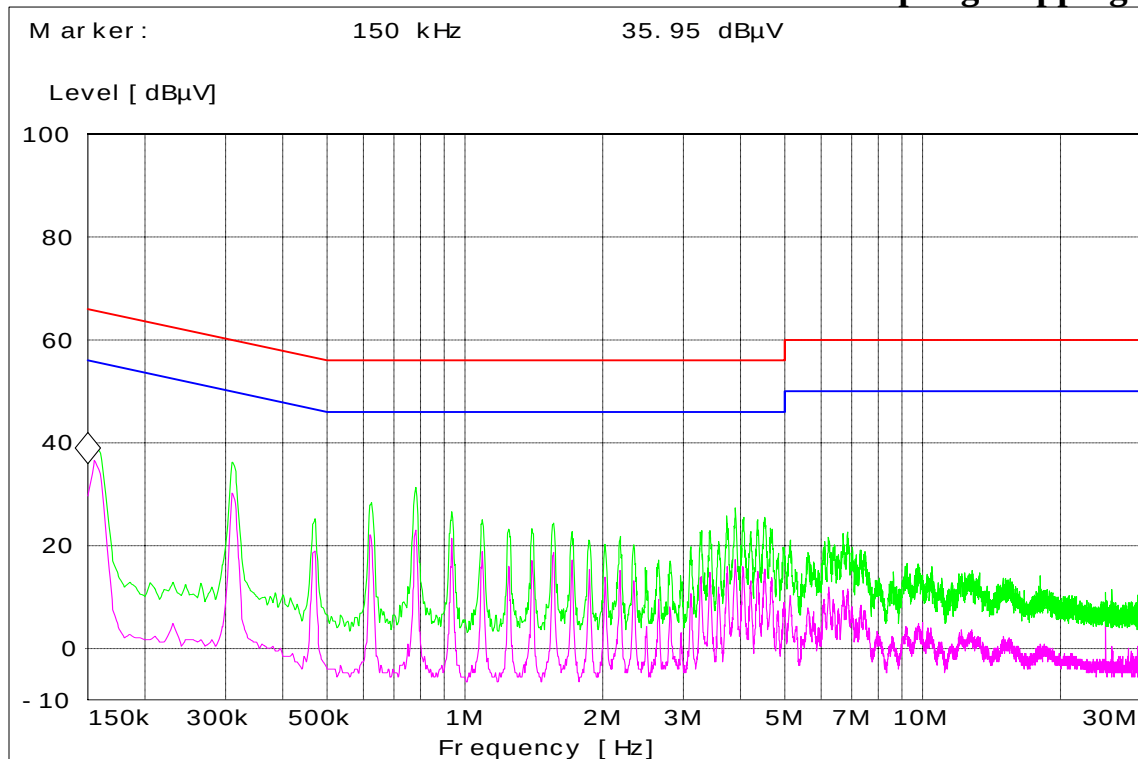
Bluetooth Channel 78 2480MHz - Tx Mode - Line Coupling Hopping



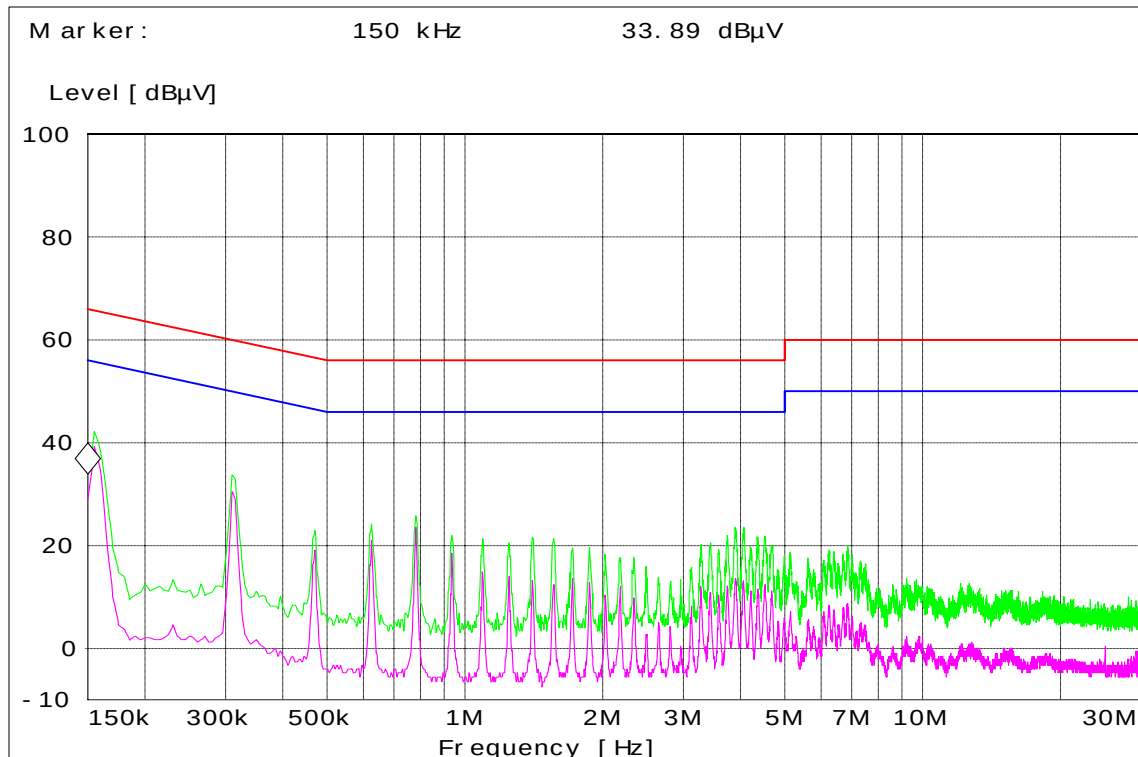
Bluetooth Channel 78 2480MHz - Tx Mode - Neutral Coupling Hopping



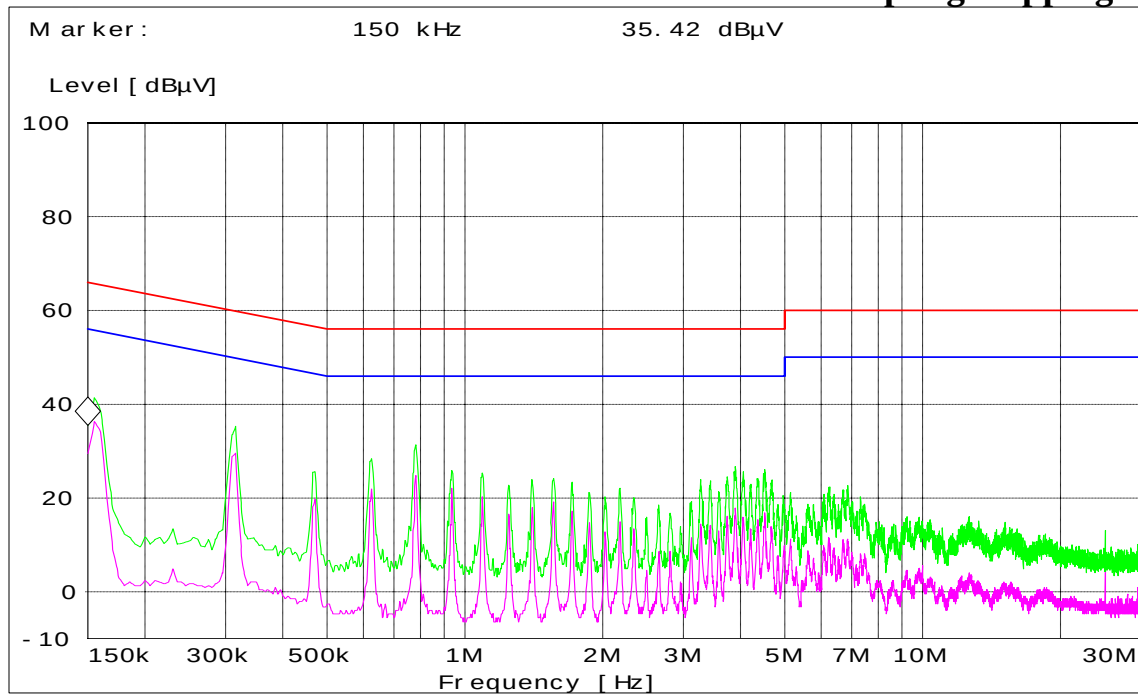
Bluetooth Channel 0 2402MHz - Tx Mode - Line Coupling Hopping



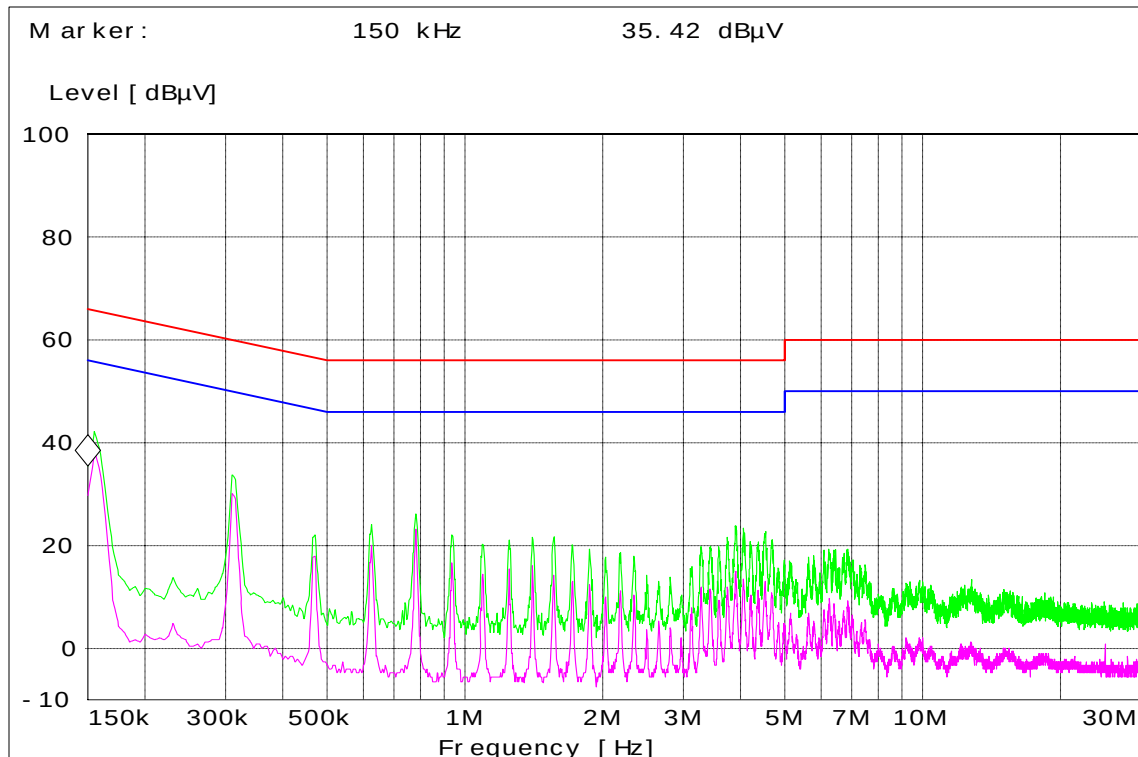
Bluetooth Channel 0 2402MHz - Tx Mode - Neutral Coupling Nonhopping



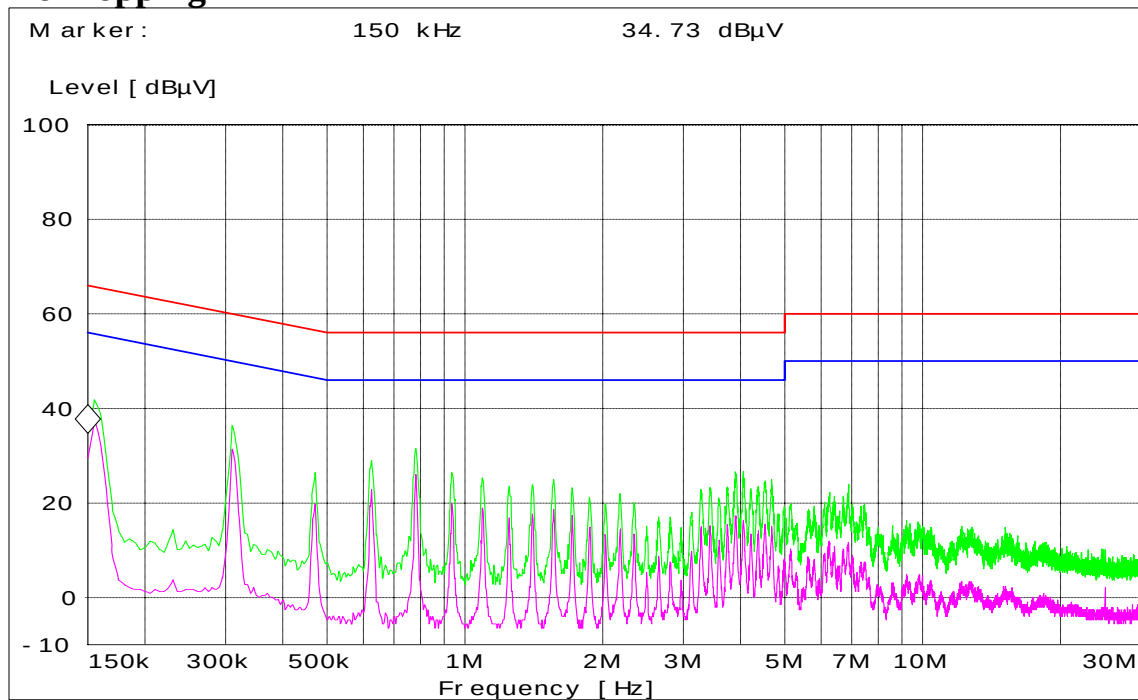
Bluetooth Channel 39 2441MHz - Tx Mode - Line Coupling Hopping



Bluetooth Channel 39 2441MHz - Tx Mode - Neutral Coupling Nonhopping



Bluetooth Channel 78 2480MHz - Tx Mode - Line Coupling Nonhopping



Bluetooth Channel 78 2480MHz - Tx Mode - Neutral Coupling Nonhopping

End of Test Report