



MOTOROLA

PERSONAL COMMUNICATIONS SECTOR

**PRODUCT SAFETY AND COMPLIANCE
EMC LABORATORY**

EMC TEST REPORT - Addendum

Test Report Number – 15444-1BT

Report Date – December 21, 2004

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.

Signature:

A handwritten signature in blue ink that reads "Michael E. Hill".

Name: Michael E. Hill

Title: Senior Staff Electrical Engineer

Date: December 21, 2004

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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 Underwriters Laboratories
Performed By: International EMC Services
333 Pfingsten RD
Northbrook, IL 60062
Contact: Lubomir Madjarov
(Tel) 847/664-3957
(Fax) 847/313-3957

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

Product Type: Cellular Phone

Signaling Capability: GSM1900, Bluetooth, WLAN

Serial Numbers: LM10630102, LM10630081,
LM10630038, LM10630020

Testing Complete Date: December 15, 2004

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	1.000MHz
2	Number of Hopping Frequencies	79
3	Time of Occupancy (Dwell Time)	2.92 ms
4	20 dB Bandwidth	1.000MHz
5	Spurious RF Conducted Emissions	See plots
6	Field Strength of Spurious Emissions	See plots
7	Max Power	-0.829 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

Manufacturer	Equipment Type	Model No.	Serial Number	Cal. Due Date
Rohde & Schwarz	Receiver	ESI26	838786/010	5/17/2005
Hewlett-Packard	EMC Analyzer	8593EM	3536A00118	10/2/2005
Hewlett-Packard	EMC Analyzer	7405	US39440191	11/13/2005
Miteq	Preamplifier 0.1-26.5GHz	NSP2650-NF-S	966350	1/8/2005
ETS	DRG Horn Antenna	3115	6222	10/4/2005
A.H. Systems Inc.	DRG Horn Antenna	SAS-2--/571	365	12/17/2004
ETS	Log-Periodic Antenna	3148	1188	3/5/2005
ETS	Biconical Antenna	3110B	3370	11/14/2005
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	6/20/2005
Thermotron	Environmental Chamber	S-4	31580	1/5/2005
Agilent	Power Meter	EE4418B	GB40206388	12/5/2005
Agilent	Power Sensor	E4412B	US38486321	12/5/2005
Hewlett-Packard	Pre-Amplifier	8447F	2805A03419	5/19/2005

U.L. Equipment

Hewlett Packard	QP Adapter	85650A	2811A01069	1/8/2005
Hewlett Packard	S/A Display	8566B	2542A12974	1/8/2005
Hewlett Packard	S/A	8566B	2637A03376	1/8/2005
Hewlett Packard	RF Preselector	85685A	2810A00692	1/8/2005
Rohde & Schwarz	S/A	FSEK20	DE2525315	1/9/2005
EMCO	Horn Antenna 1-18GHz	3115	2638	7/10/2005
EMCO	Horn Antenna 18-26.5GHz	3160-09	9904-1165	N/A*
Chase	Bi-Con Antenna 30-300MHz	VBA6106A	1246	6/23/2005
Chase	Log-Periodic Antenna	UPA6108	1120	6/23/2005

All equipment is on a one-year calibration cycle.

Description of Bluetooth Transmitter

The M1000 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 lower portion of the PCB inside of the EUT. The antenna gain is -3dBi and the installation is permanent.

Bluetooth implementation is accomplished with a CSR single-chip microcontroller-equipped solution. This device is a standalone baseband processor with an integrated 2.4 GHz transceiver. It is completely compliant with the Bluetooth 1.2 specification and Part 15.247. The rx has the ability to hop in sync with the tx, and the rx BW is approximately equal to the tx BW. Frequency hopping is pseudorandom and average channel usage is equal. All part 15.247 requirements are met when the device is presented with a continuous data stream.

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. Therefore conducted AC line emissions testing as described in CFR47, Part 15.207 was not necessary.

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.

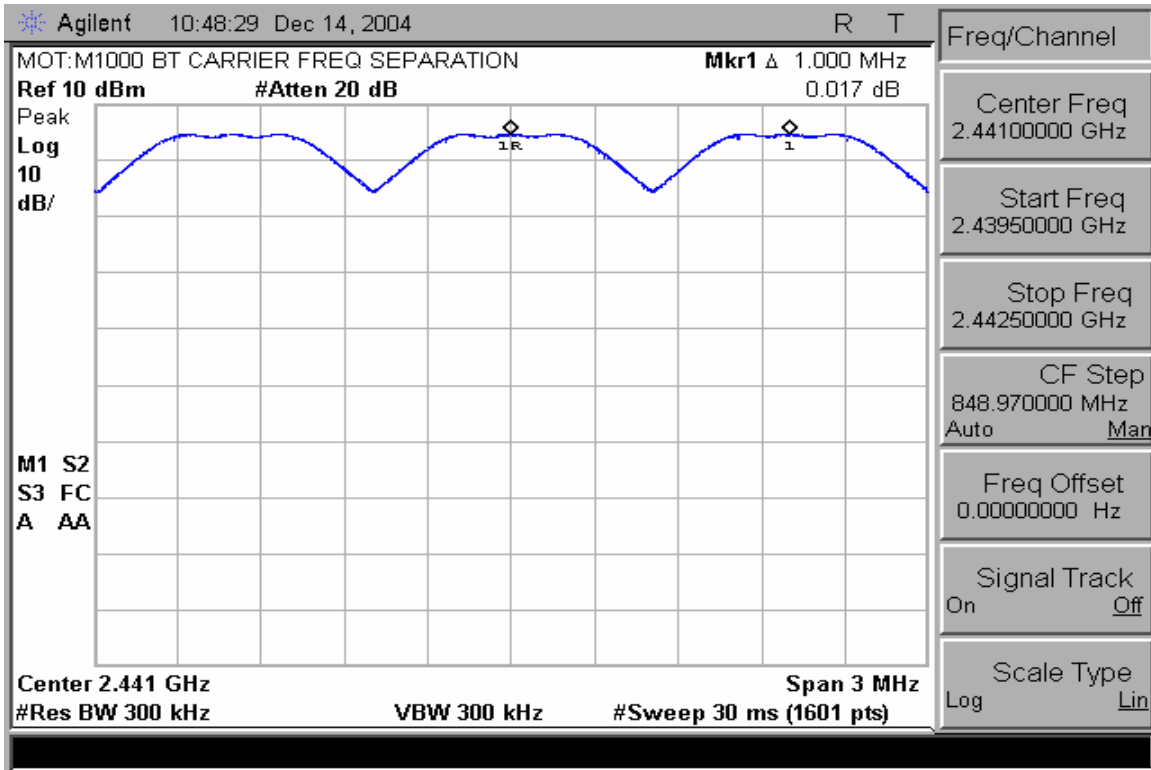
The Bluetooth transmitter of the A768i had its hopping function enabled. The following spectrum analyzer settings were used:

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.

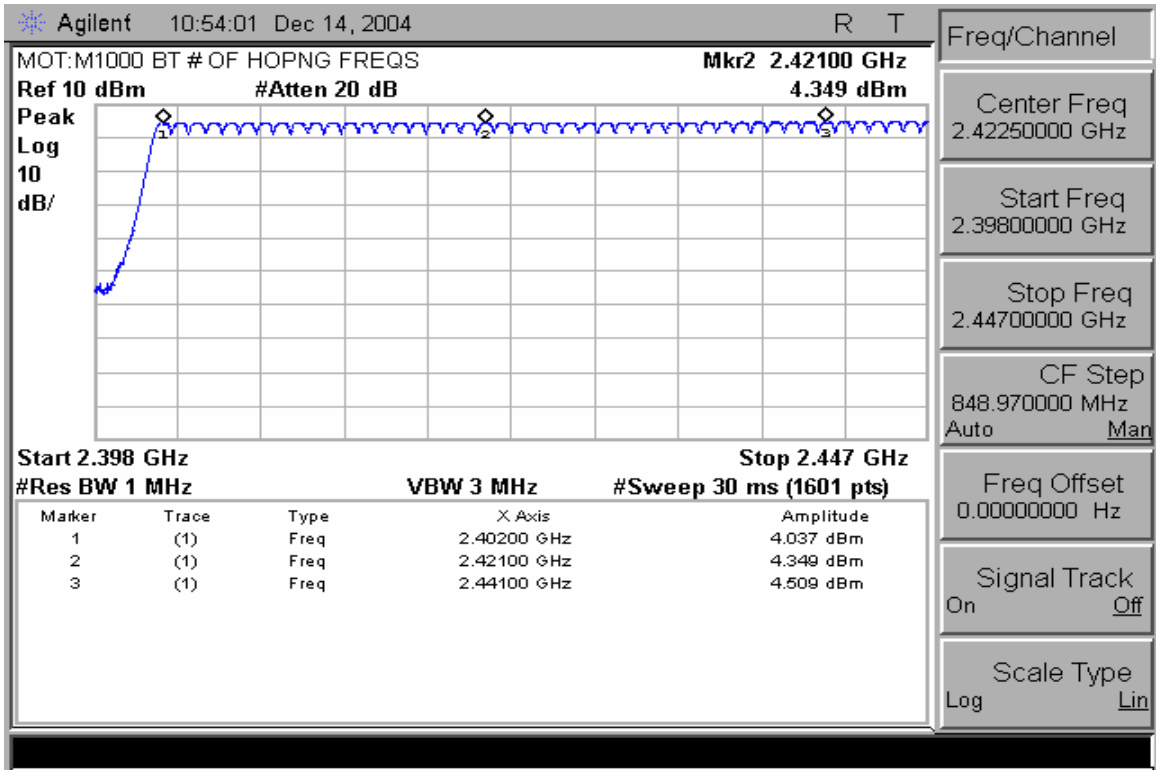
The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer used the following settings:

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

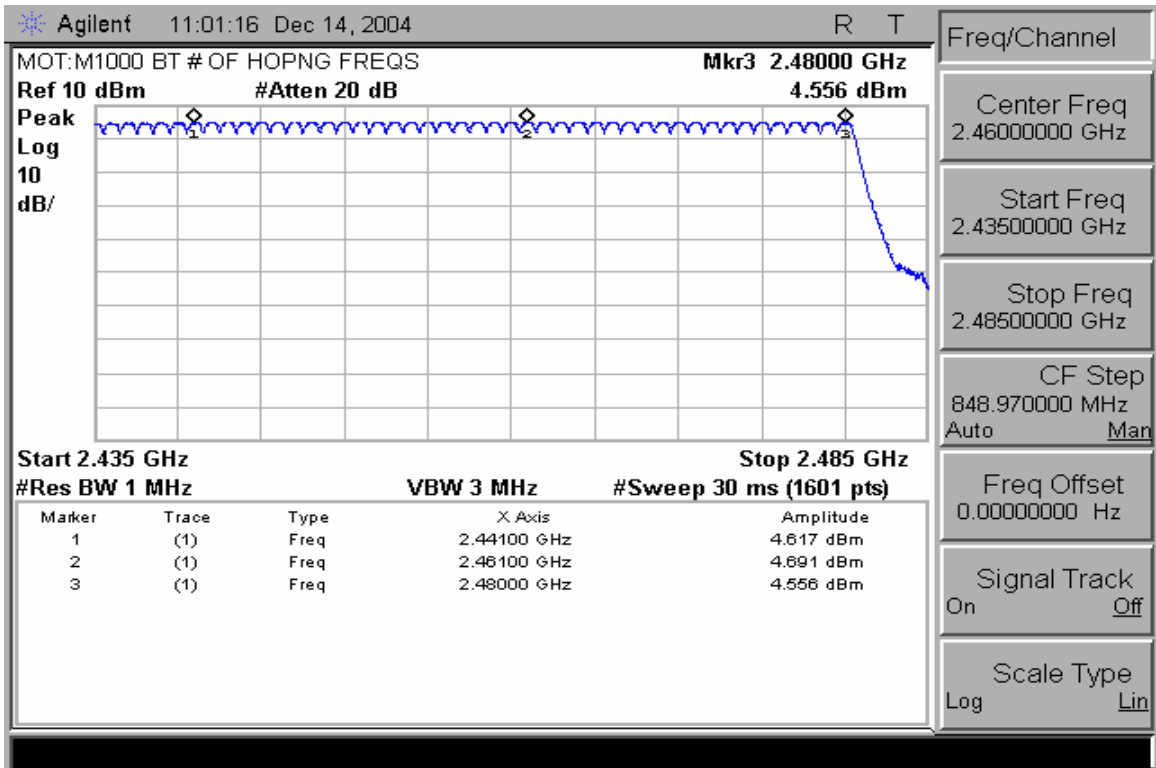
The trace was allowed to stabilize.

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.

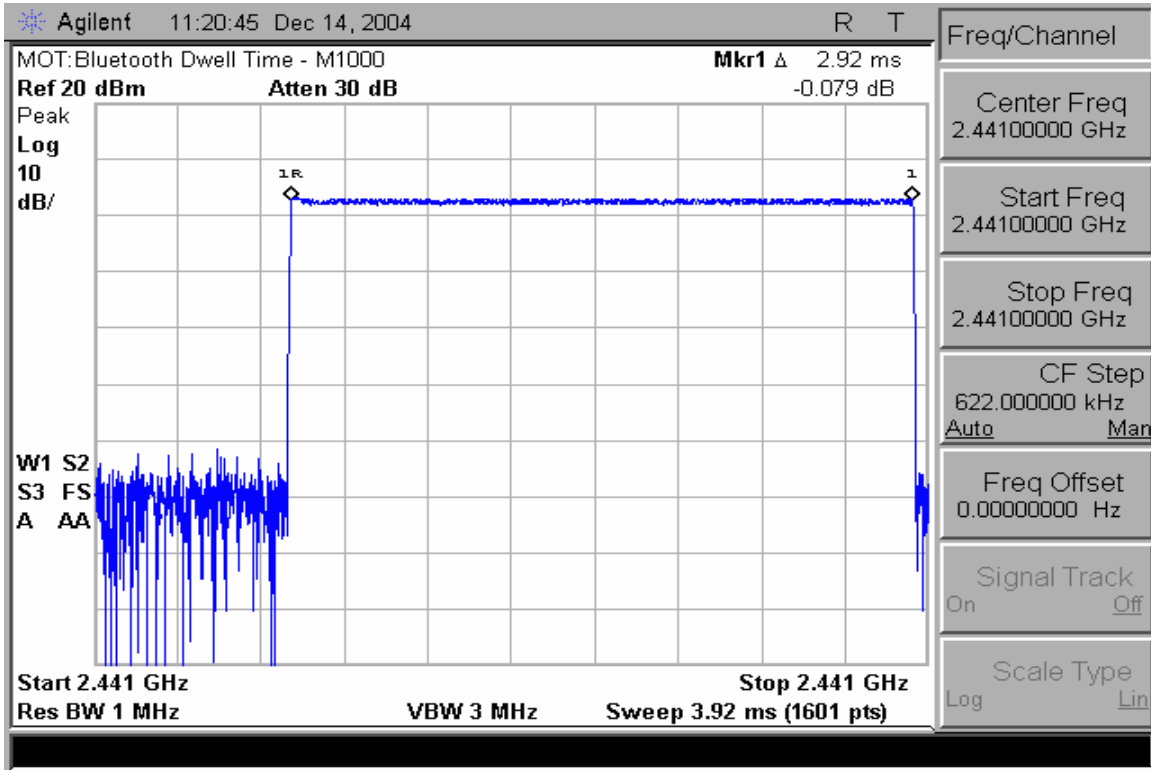
The Bluetooth hopping function of the EUT was enabled. The following spectrum analyzer settings were used:

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.

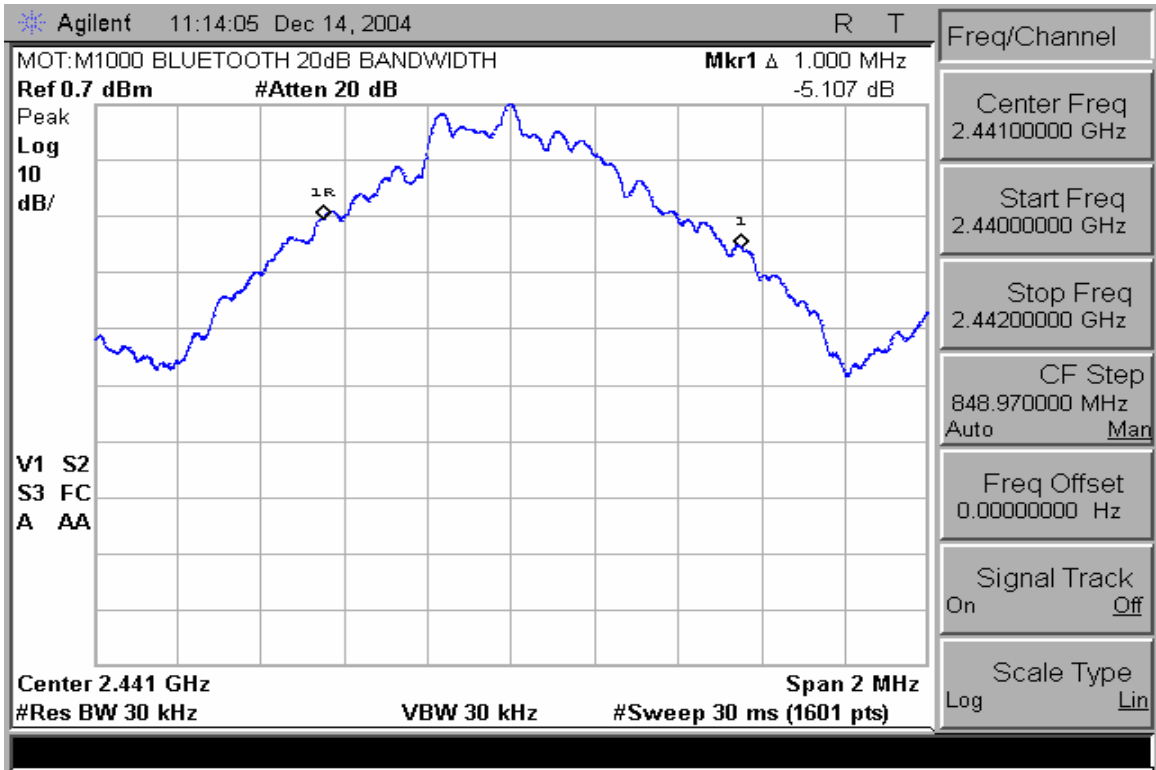
The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer used the following settings:

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.

The Equipment-Under-Test is then replaced with a substitution antenna fed by a signal generator. With the signal generator tuned to a particular spurious frequency, the antenna mast is raised and lowered from 1 to 4 meters to obtain a maximum reading at the spectrum analyzer. The output of the signal generator is then adjusted until a reading identical to that obtained with the actual transmitter is achieved.

The power in dBm of each spurious emission is calculated by correcting the signal generator level for cable loss and gain of the substitution antenna referenced to a dipole.

The field strength of each radiated emission is calculated by correcting the EMI receiver level for cable loss, amplifier gain, and antenna correction factors.

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

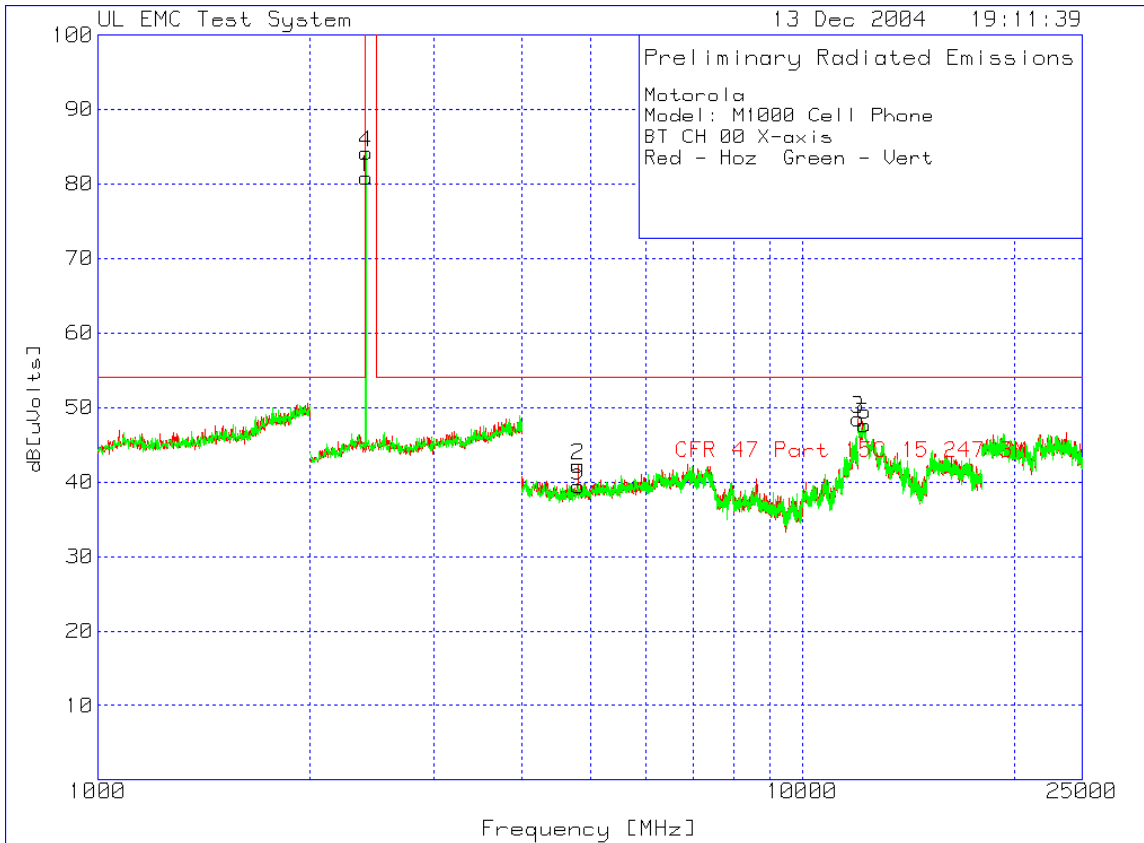
A fully charged battery was used for the supply voltage.

This data was taken at Underwriter's Laboratories.

Measurement Results

Attached

There were no discernible emissions above the noise floor for 30-1000MHz for Low, Mid and High Channels and all polarizations.

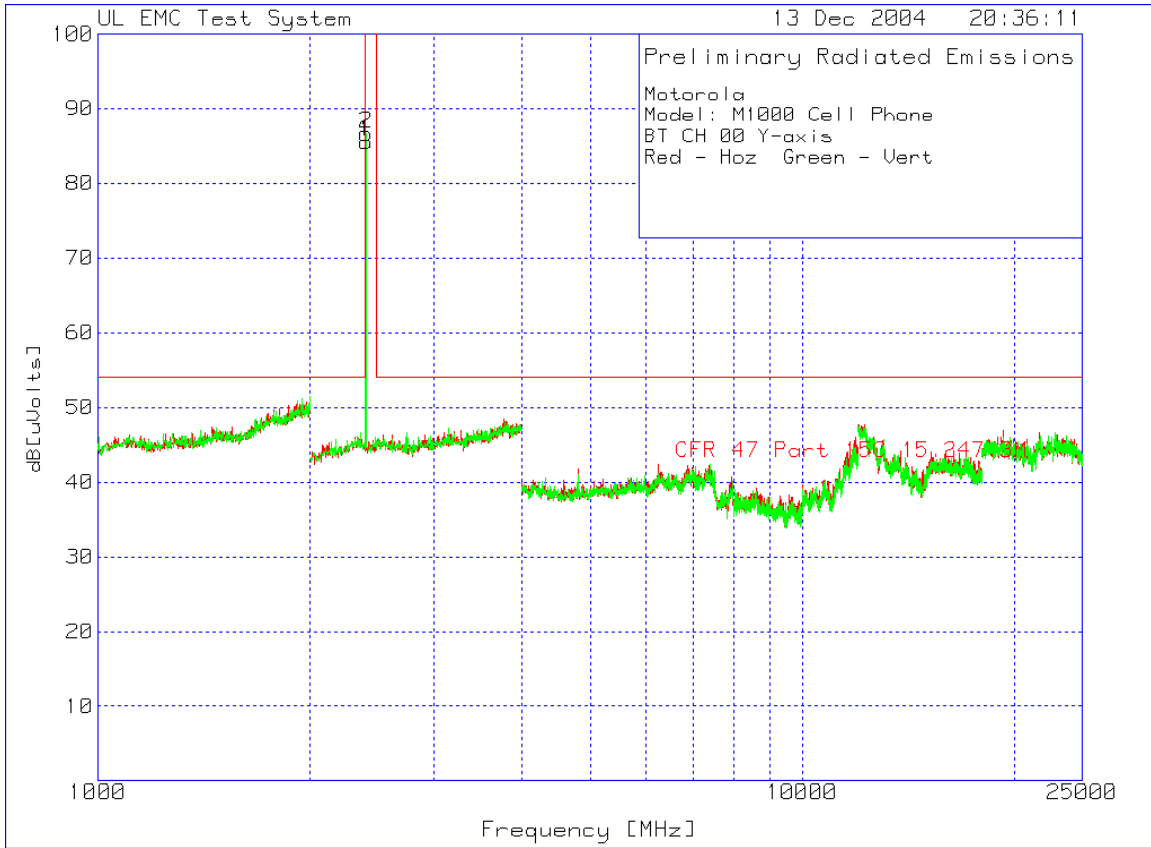


1-25 GHz Low Channel Dual Polarization X

Motorola
 Model: M1000 Cell Phone
 BT CH 00 X-axis
 Red - Hoz Green - Vert

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts]	Limit 1	Margin 1[dB]	Height [cm]	Polarity
2 - 4GHz 2000 - 4000MHz										
1	2400.802	55.75	pk	3.3	21.8	80.85	999	-918.15	149	Horz
4 - 8GHz 4000 - 8000MHz										
2	4804.805	65.91	pk	-51.4	27.7	42.21	54	-11.79	149	Horz
12 - 18GHz 12000 - 18000MHz										
3	12018.018	50.6	pk	-41.5	39.4	48.5	54	-5.5	150	Horz
2 - 4GHz 2000 - 4000MHz										
4	2400.802	59.08	pk	3.3	21.8	84.18	999	-914.82	100	Vert
4 - 8GHz 4000 - 8000MHz										
5	4812.813	63.16	pk	-51.4	27.7	39.46	54	-14.54	100	Vert
12 - 18GHz 12000 - 18000MHz										
6	12252.252	48.98	pk	-40.7	39.4	47.68	54	-6.32	149	Vert

LIMIT 1: CFR 47 Part 15C 15.247 3M
 LIMIT 2: NONE

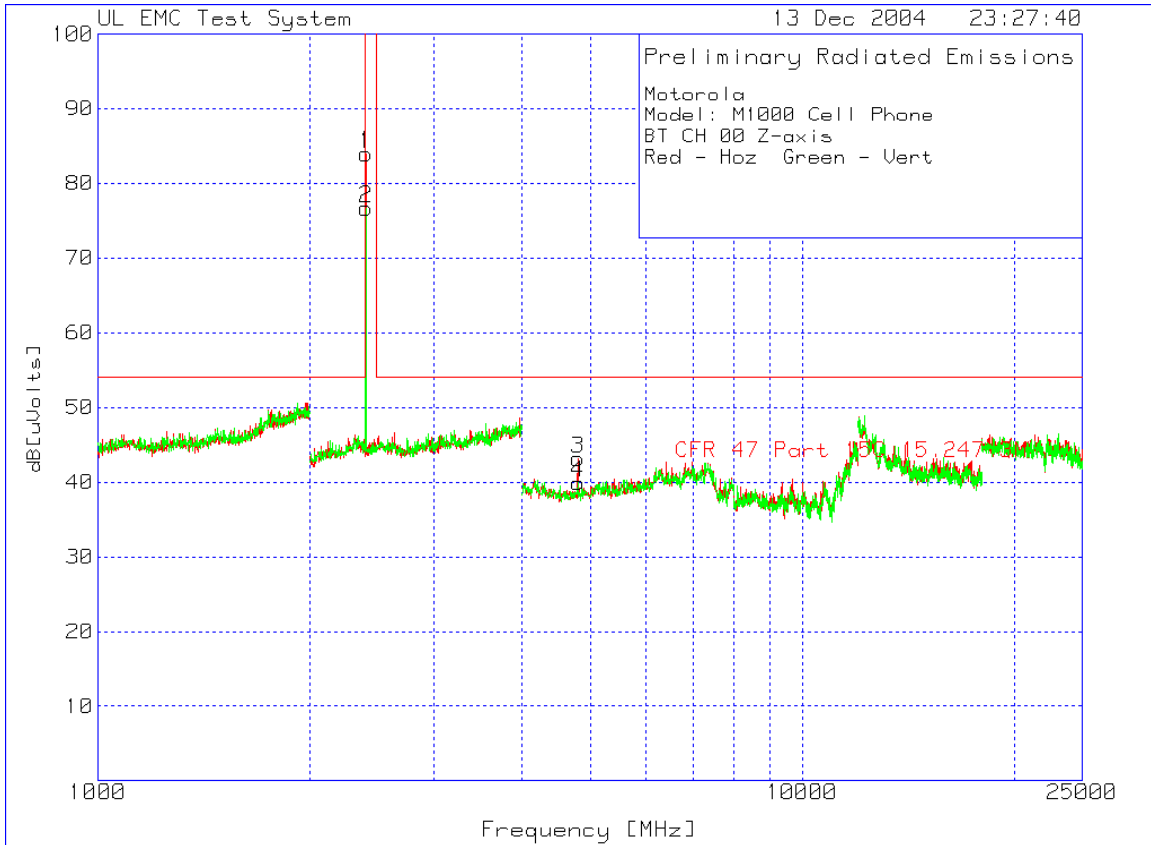


1-25 GHz Low Channel Dual Polarization Y

Motorola
 Model: M1000 Cell Phone
 BT CH 00 Y-axis
 Red - Hoz Green - Vert

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB[uVolts]]	Limit 1	Margin 1[dB]	Height [cm]	Polarity
2 - 4GHz 2000 - 4000MHz										
1	2400.802	60.45 pk		3.3	21.8	85.55	999	-913.45	149	Horz
2 - 4GHz 2000 - 4000MHz										
2	2400.802	61.57 pk		3.3	21.8	86.67	999	-912.33	100	Vert

LIMIT 1: CFR 47 Part 15C 15.247 3M
 LIMIT 2: NONE

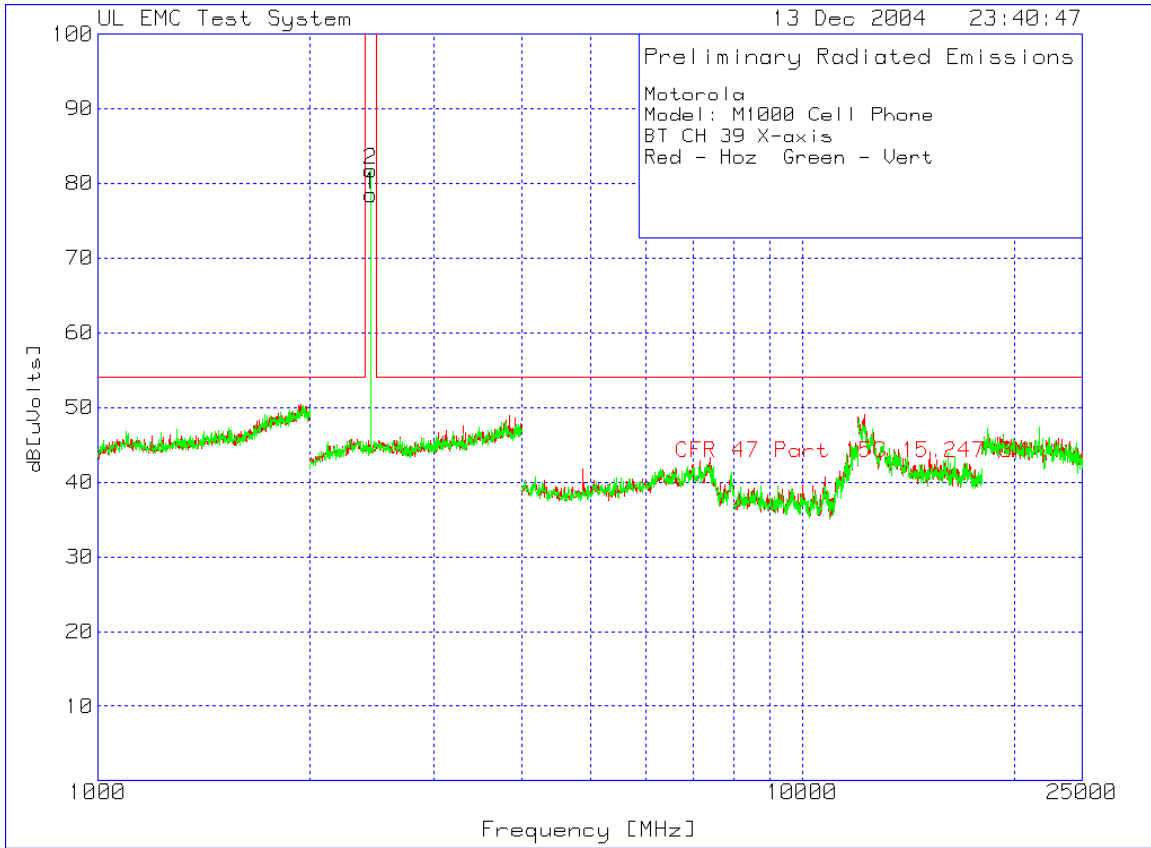


1-25 GHz Low Channel Dual Polarization Z

Motorola
 Model: M1000 Cell Phone
 BT CH 00 Z-axis
 Red - Hoz Green - Vert

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts]	Limit 1	Margin 1[dB]	Height [cm]	Polarity
2	4GHz 2000 - 4000MHz									
1	2400.802	58.89	pk	3.3	21.8	83.99	999	-915.01	100	Horz
4	8GHz 4000 - 8000MHz									
3	4801.603	66.95	pk	-51.5	27.7	43.15	54	-10.85	100	Horz
2	4GHz 2000 - 4000MHz									
2	2400.802	51.59	pk	3.3	21.8	76.69	999	-922.31	100	Vert
4	8GHz 4000 - 8000MHz									
4	4801.603	63.74	pk	-51.5	27.7	39.94	54	-14.06	100	Vert

LIMIT 1: CFR 47 Part 15C 15.247 3M
 LIMIT 2: NONE

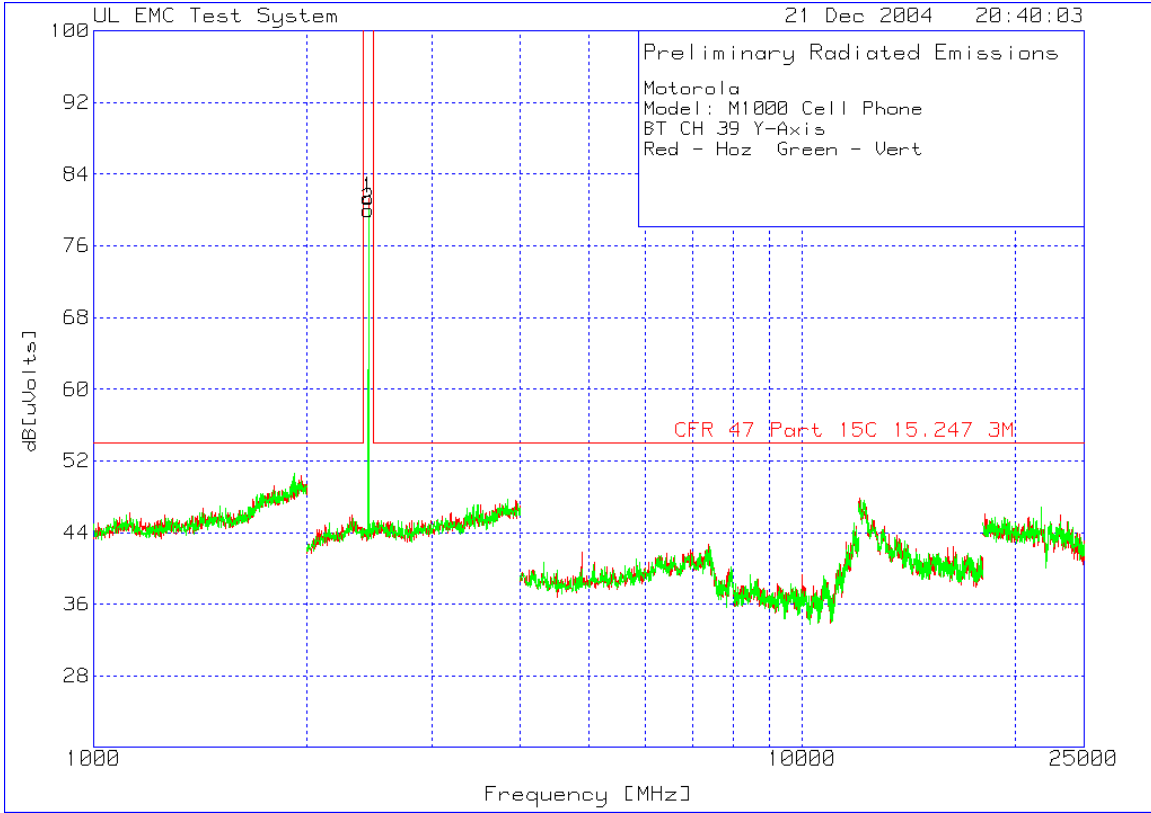


1-25 GHz Mid Channel Dual Polarization X

Motorola
 Model: M1000 Cell Phone
 BT CH 39 X-axis
 Red - Horz Green - Vert

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts]	Limit 1	Margin 1[dB]	Height [cm]	Polarity
2 - 4GHz 2000 - 4000MHz										
1	2440.882	53.3	pk		3.3	21.9	78.5	999	-920.5	100 Horz
2 - 4GHz 2000 - 4000MHz										
2	2440.882	56.55	pk		3.3	21.9	81.75	999	-917.25	100 Vert

LIMIT 1: CFR 47 Part 15C 15.247 3M
 LIMIT 2: NONE

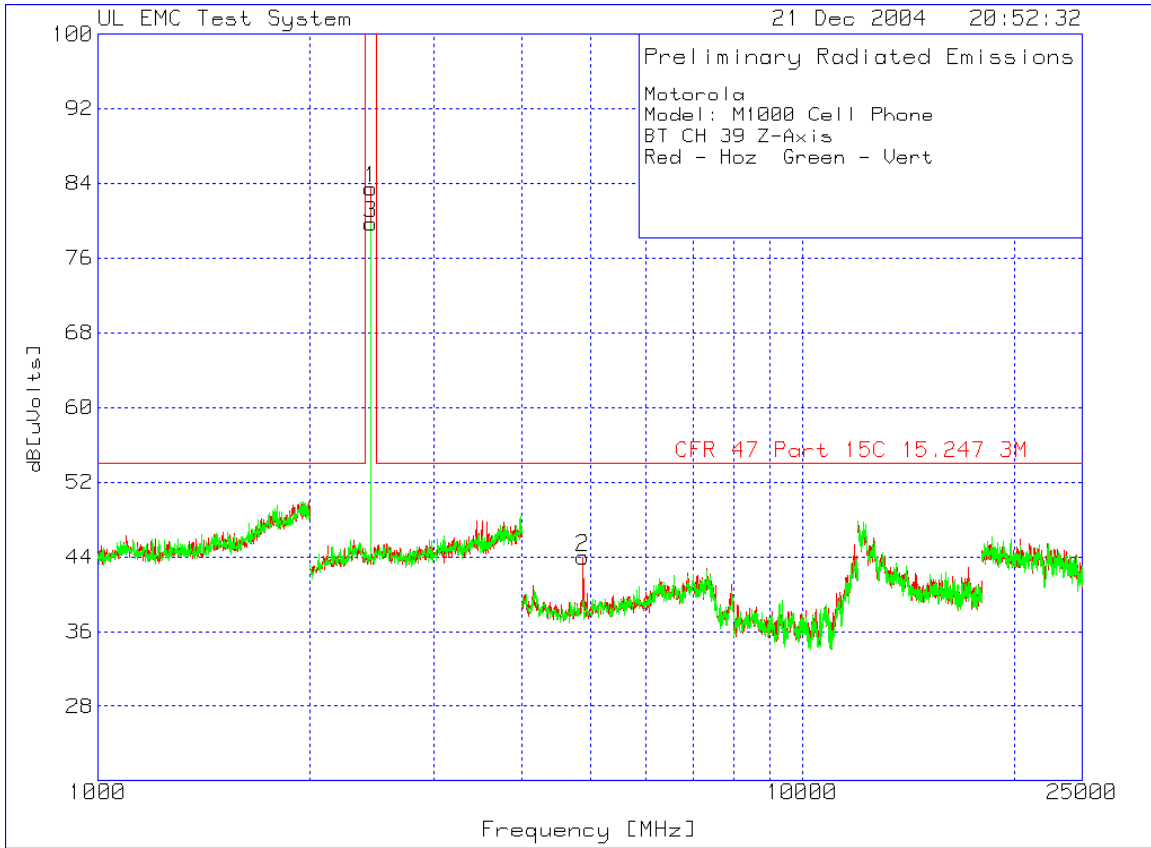


1-25 GHz Mid Channel Dual Polarization Y

Motorola
 Model: M1000 Cell Phone
 BT CH 39 Y-Axis
 Red - Horz Green - Vert

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts]	Limit 1	Margin 1[dB]	Height [cm]	Polarity
2 - 4GHz 2000 - 4000MHz										
1	2440.882	56.12	pk	3.3	21.9	81.32	999	-917.68	100	Horz
2 - 4GHz 2000 - 4000MHz										
2	2440.882	54.81	pk	3.3	21.9	80.01	999	-918.99	100	Vert

LIMIT 1: CFR 47 Part 15C 15.247 3M
 LIMIT 2: NONE

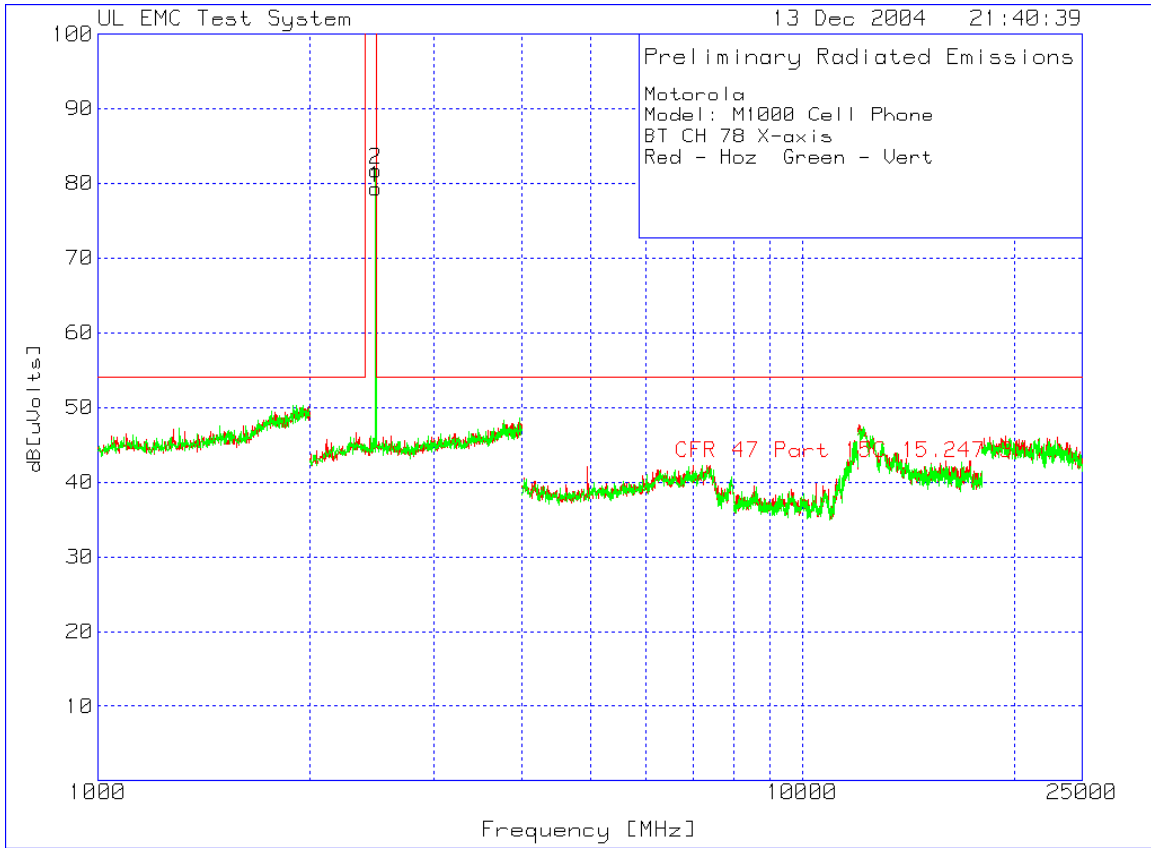


1-25 GHz Mid Channel Dual Polarization Z

Motorola
 Model: M1000 Cell Phone
 BT CH 39 Z-Axis
 Red - Horz Green - Vert

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts]	Limit 1	Margin 1[dB]	Height [cm]	Polarity
2 - 4GHz 2000 - 4000MHz										
1	2440.882	58.26	pk	3.3	21.9	83.46	999	-915.54	100	Horz
4 - 8GHz 4000 - 8000MHz										
2	4881.764	67.69	pk	-51.4	27.7	43.99	54	-10.01	100	Horz
2 - 4GHz 2000 - 4000MHz										
3	2440.882	54.53	pk	3.3	21.9	79.73	999	-919.27	100	Vert

LIMIT 1: CFR 47 Part 15C 15.247 3M
 LIMIT 2: NONE

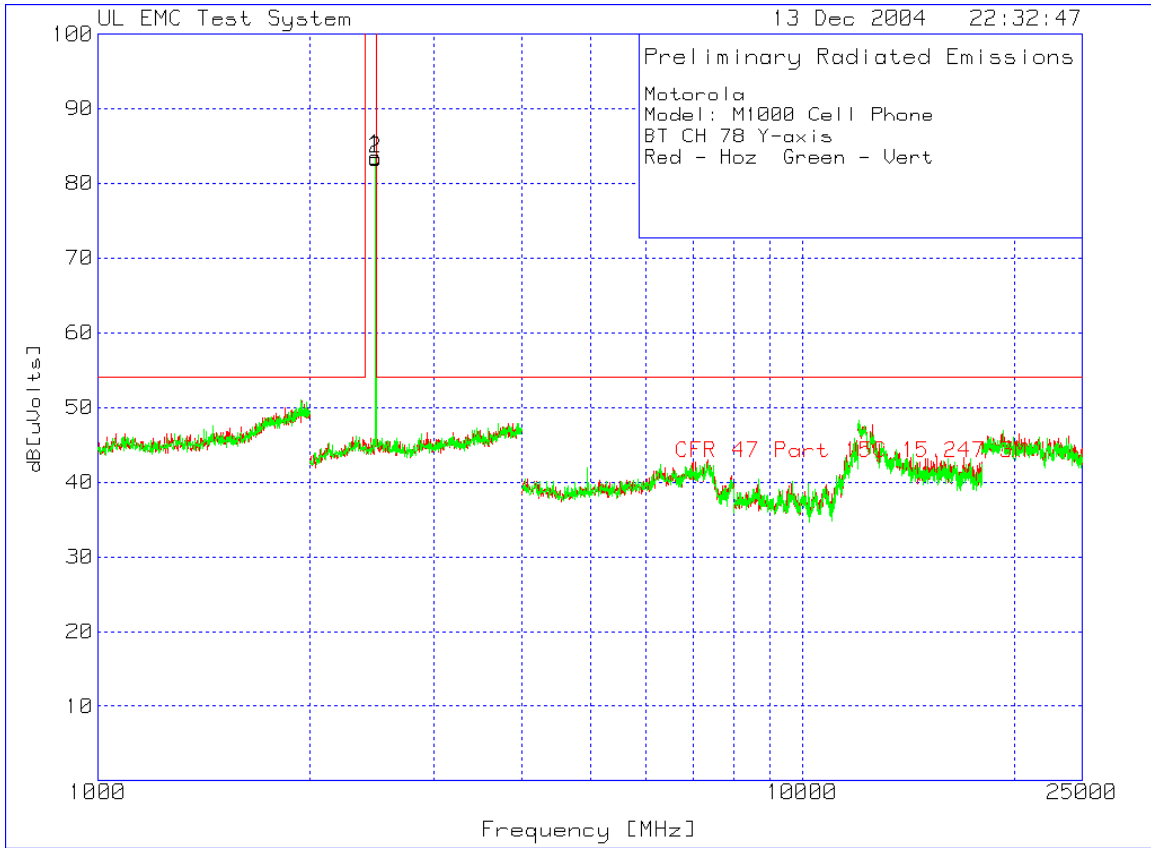


1-25 GHz High Channel Dual Polarization X

Motorola
 Model: M1000 Cell Phone
 BT CH 78 X-axis
 Red - Hoz Green - Vert

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts]	Limit 1	Margin 1[dB]	Height [cm]	Polarity
2 - 4GHz 2000 - 4000MHz										
1	2480.962	54.04 pk		3.3	22	79.34	999	-919.66	100	Horz
2 - 4GHz 2000 - 4000MHz										
2	2480.962	56.47 pk		3.3	22	81.77	999	-917.23	100	Vert

LIMIT 1: CFR 47 Part 15C 15.247 3M
 LIMIT 2: NONE

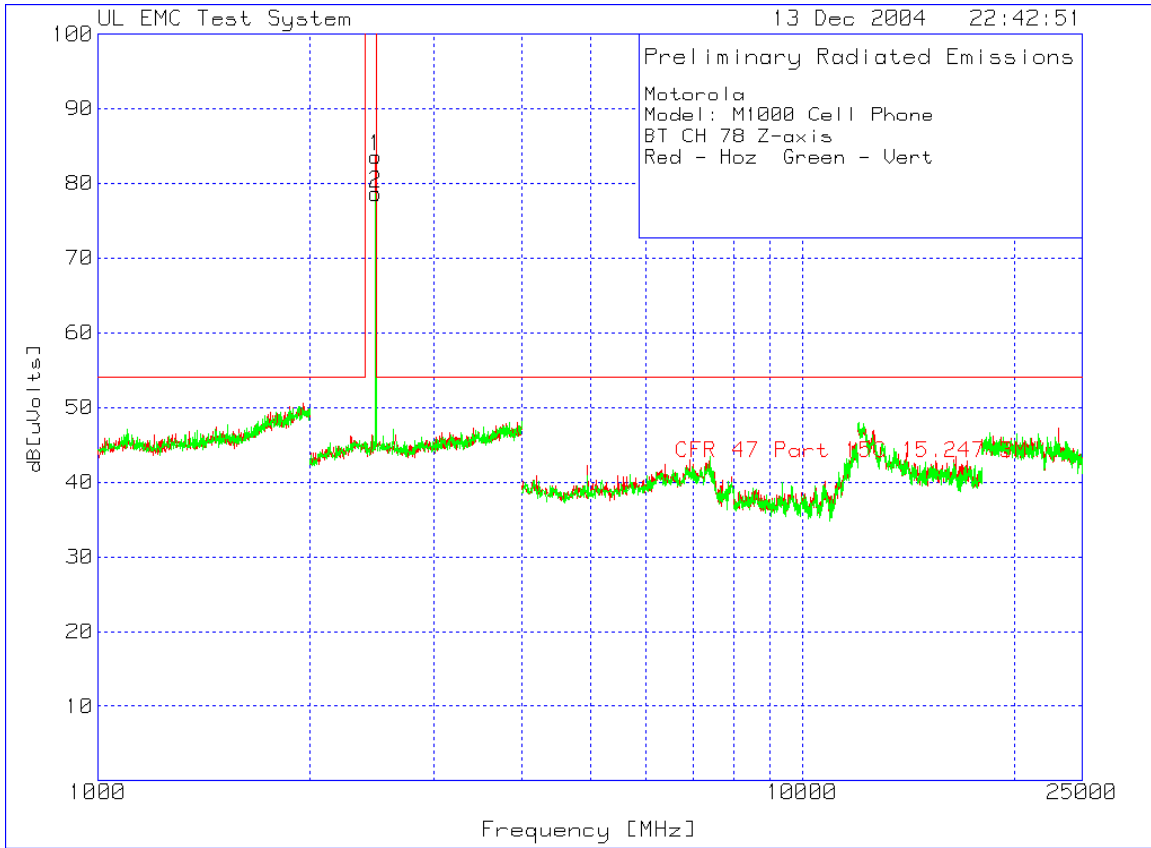


1-25 GHz High Channel Dual Polarization Y

Motorola
 Model: M1000 Cell Phone
 BT CH 78 Y-axis
 Red - Hoz Green - Vert

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts]	Limit 1	Margin 1[dB]	Height [cm]	Polarity
2 - 4GHz 2000 - 4000MHz										
1	2480.962	58.22	pk	3.3	22	83.52	999	-915.48	100	Horz
2 - 4GHz 2000 - 4000MHz										
2	2480.962	57.97	pk	3.3	22	83.27	999	-915.73	100	Vert

LIMIT 1: CFR 47 Part 15C 15.247 3M
 LIMIT 2: NONE

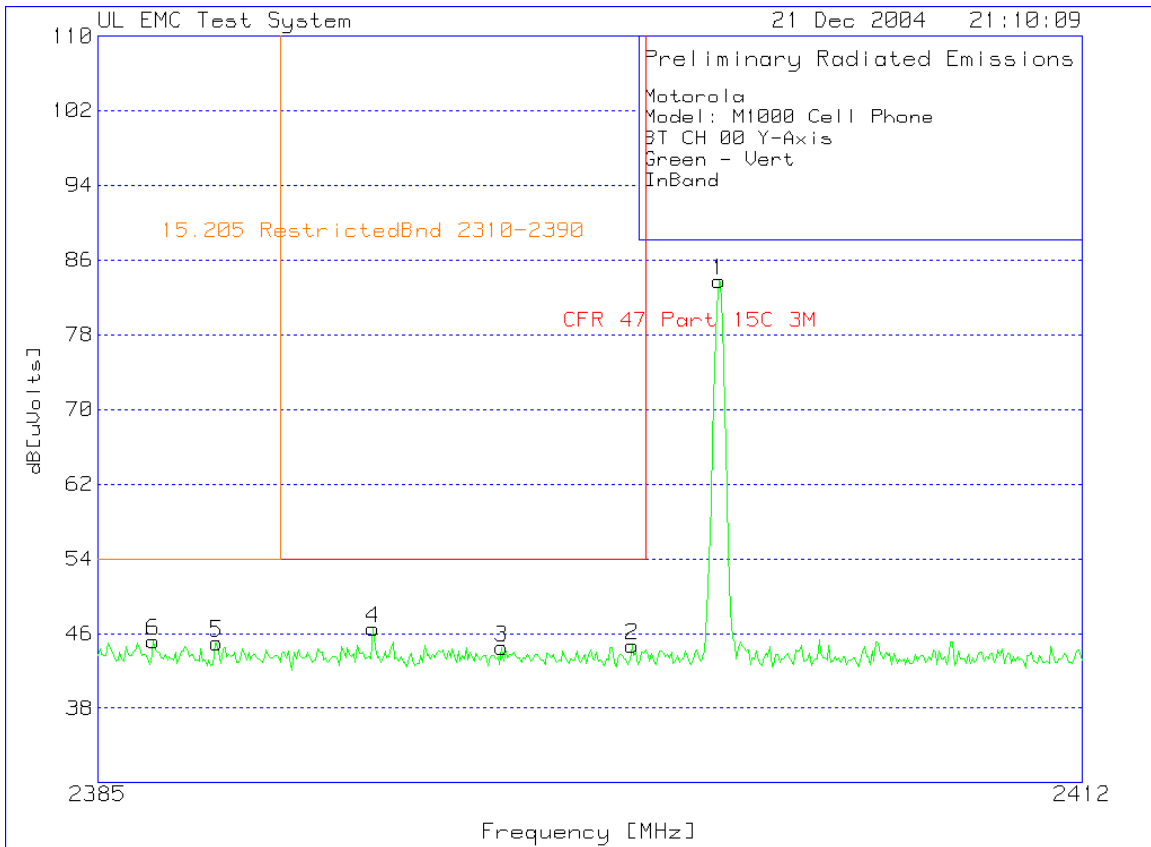


1-25 GHz High Channel Dual Polarization Z

Motorola
 Model: M1000 Cell Phone
 BT CH 78 Z-axis
 Red - Horz Green - Vert

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts]	Limit 1	Margin 1[dB]	Height [cm]	Polarity
2 - 4GHz 2000 - 4000MHz										
1	2480.962	58.33 pk		3.3	22	83.63	999	-915.37	100	Horz
2 - 4GHz 2000 - 4000MHz										
2	2480.962	53.37 pk		3.3	22	78.67	999	-920.33	100	Vert

LIMIT 1: CFR 47 Part 15C 15.247 3M
 LIMIT 2: NONE

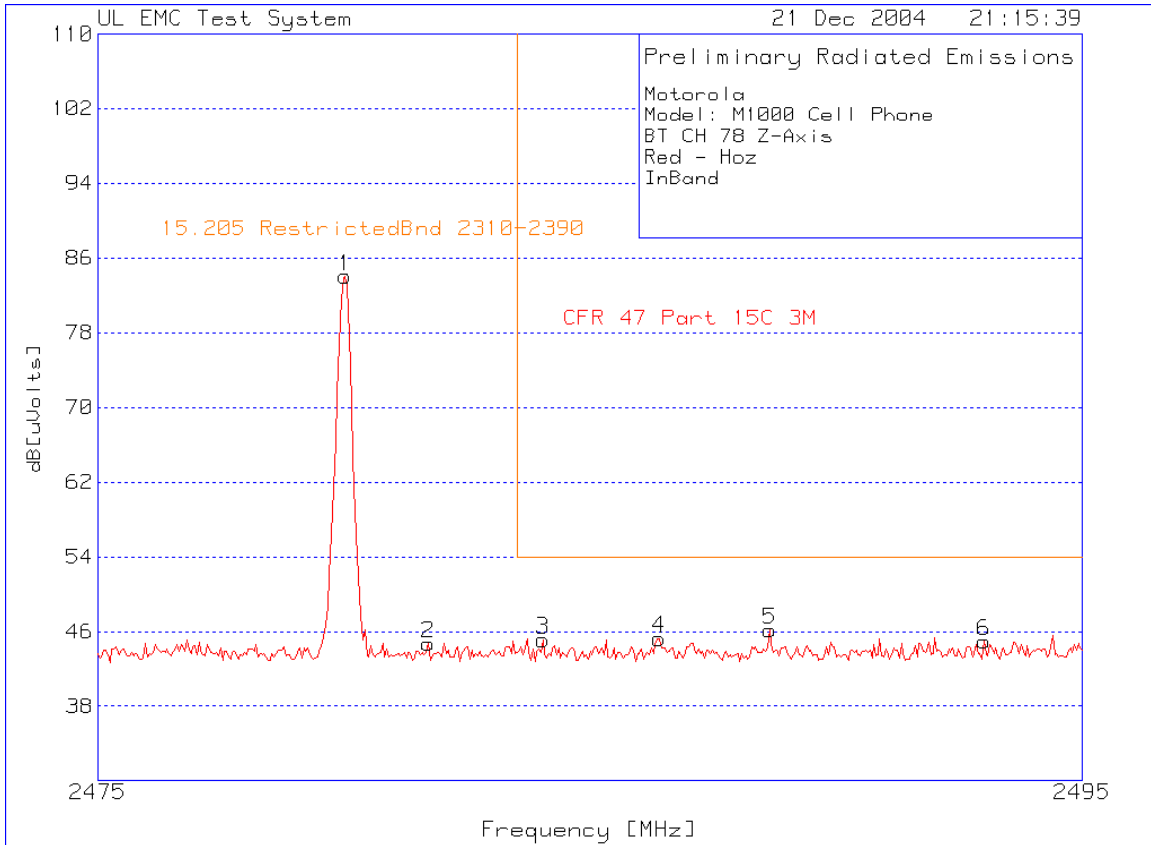


Authorized Band Emissions Low Channel Dual Polarization Y

Motorola
 Model: M1000 Cell Phone
 BT CH 00 Y-Axis
 Green - Vert
 InBand

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts]	Limit 1	Margin 1[dB]	Limit 2	Margin 2[dB]	Height [cm]	Polarity
2 - 4GHz 2385 - 2412MHz												
1	2401.99	58.66 pk		3.3	21.8	83.76	999	-915.24	999	-915.24	100	Vert
2	2399.609	19.61 pk		3.3	21.8	44.71	54	-9.29	999	-954.29	100	Vert
3	2396.038	19.4 pk		3.3	21.8	44.5	54	-9.5	999	-954.5	149	Vert
4	2392.521	21.41 pk		3.3	21.8	46.51	54	-7.49	999	-952.49	149	Vert
5	2388.246	19.91 pk		3.3	21.8	45.01	54	-8.99	54	-8.99	149	Vert
6	2386.515	20.08 pk		3.3	21.8	45.18	54	-8.82	54	-8.82	149	Vert

LIMIT 1: CFR 47 Part 15C 3M
 LIMIT 2: 15.205 RestrictedBnd 2310-2390



Authorized Band Emissions High Channel Dual Polarization Z

Motorola
 Model: M1000 Cell Phone
 BT CH 78 Z-Axis
 Red - Horz
 InBand

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts]	Limit 1	Margin 1[dB]	Limit 2	Margin 2[dB]	Height [cm]	Polarity
2 - 4GHz 2475 - 2495MHz												
1	2480.01	58.75 pk		3.3	22	84.05	999	-914.95	999	-914.95	149	Horz
2	2481.693	19.39 pk		3.3	22	44.69	999	-954.31	999	-954.31	100	Horz
3	2484.018	19.74 pk		3.3	22.1	45.14	54	-8.86	54	-8.86	100	Horz
4	2486.383	19.87 pk		3.3	22.1	45.27	54	-8.73	54	-8.73	100	Horz
5	2488.627	20.78 pk		3.3	22.1	46.18	54	-7.82	54	-7.82	149	Horz
6	2492.996	19.52 pk		3.3	22.1	44.92	54	-9.08	54	-9.08	149	Horz

LIMIT 1: CFR 47 Part 15C 3M
 LIMIT 2: 15.205 RestrictedBnd 2310-2390

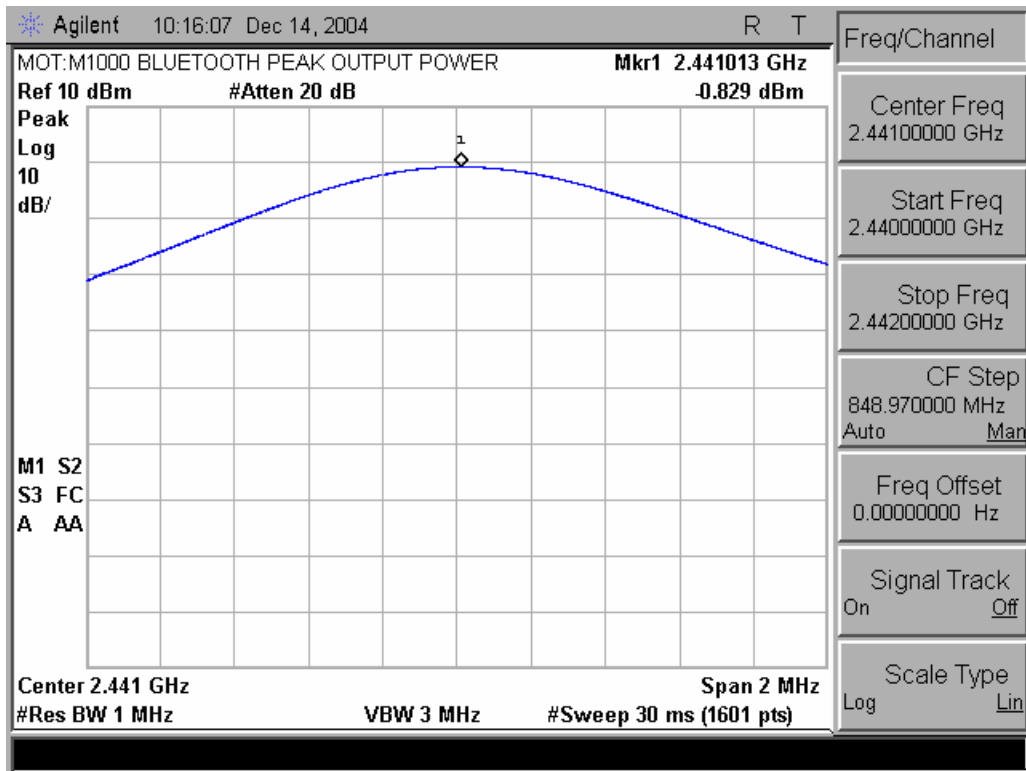
PEAK OUTPUT POWER

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

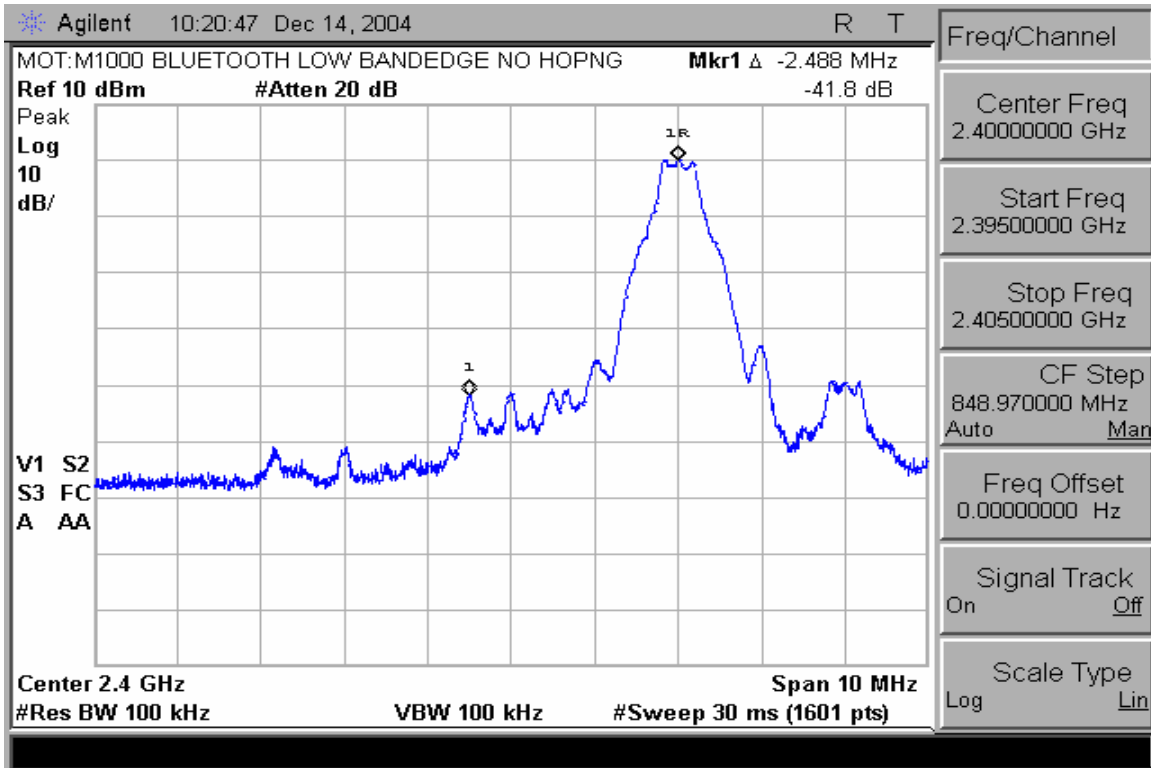
CFR 47 Part 15.247

Measurement Procedure

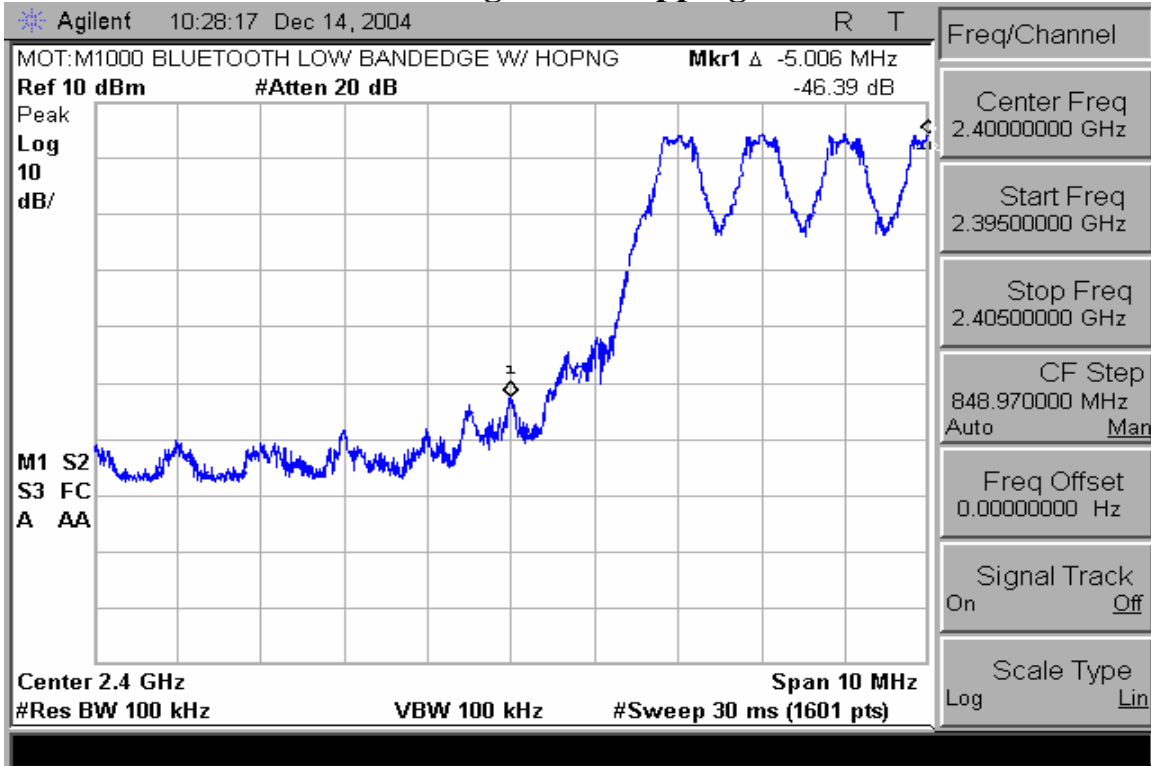
The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

Measurement Results

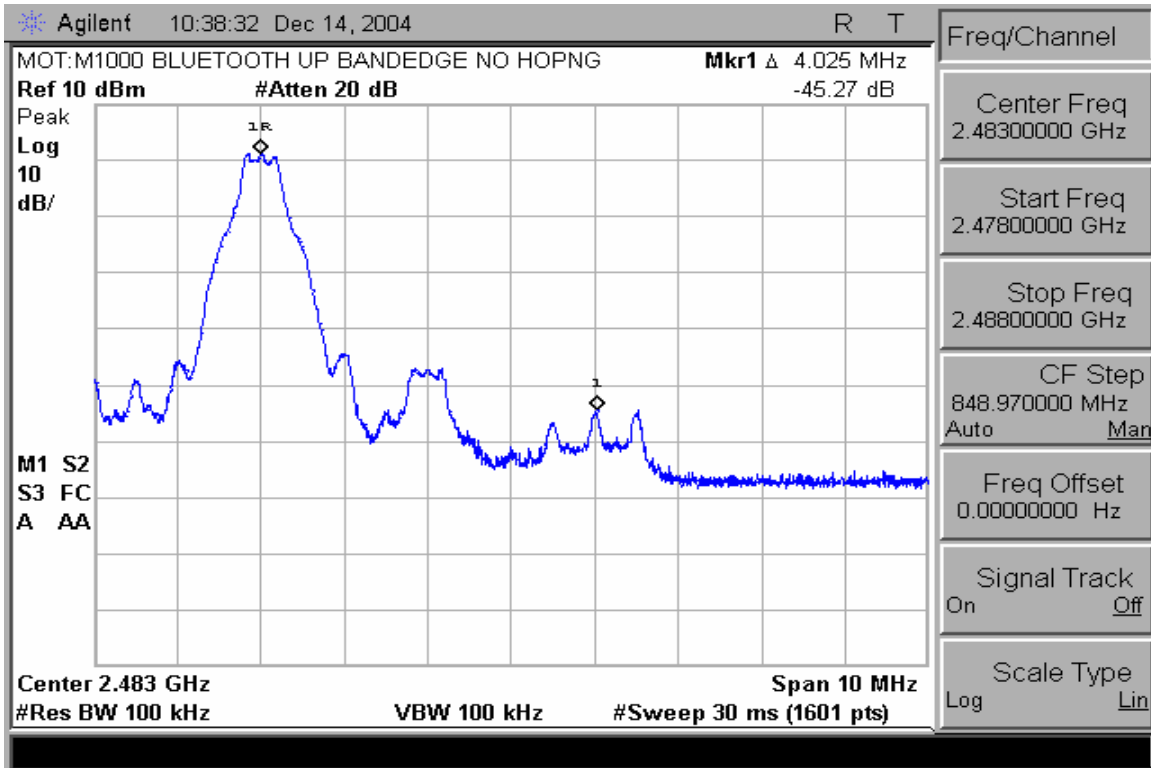
See Attached:



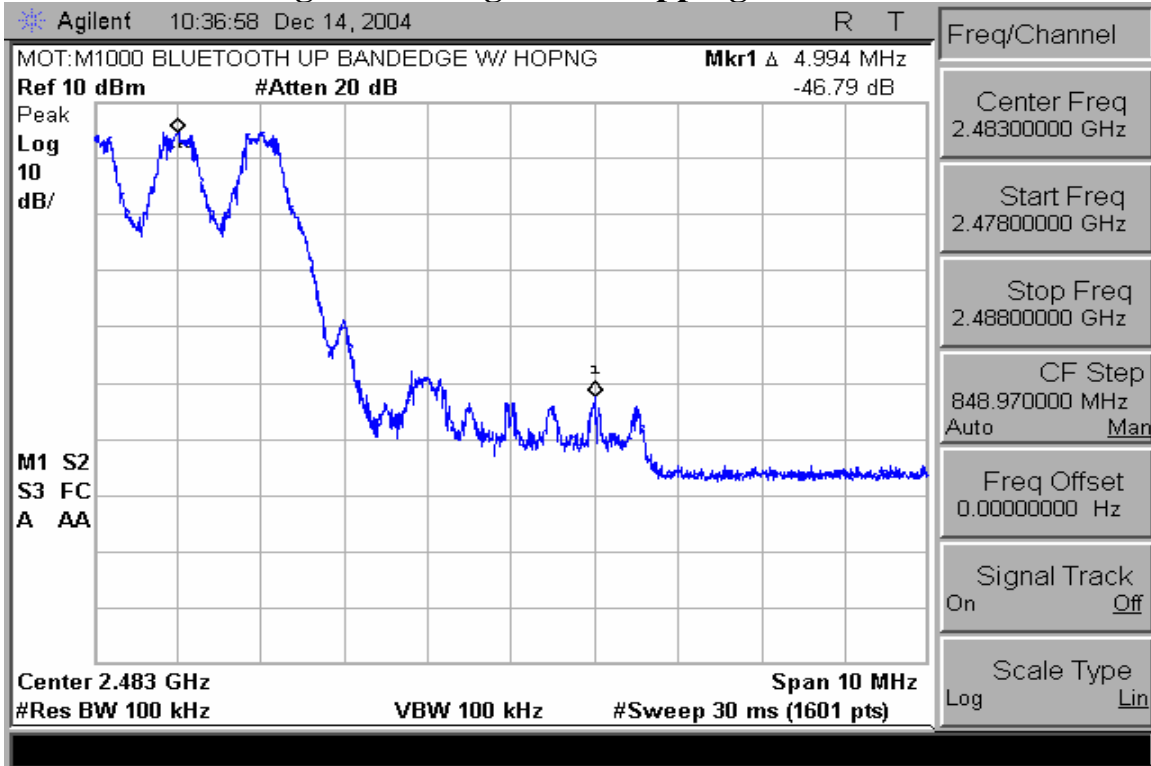
Low Band Edge with Hopping Disabled



Low Band Edge with Hopping Enabled



High Band Edge with Hopping Disabled



High Band Edge with Hopping Enabled

SPURIOUS RF CONDUCTED EMISSIONS

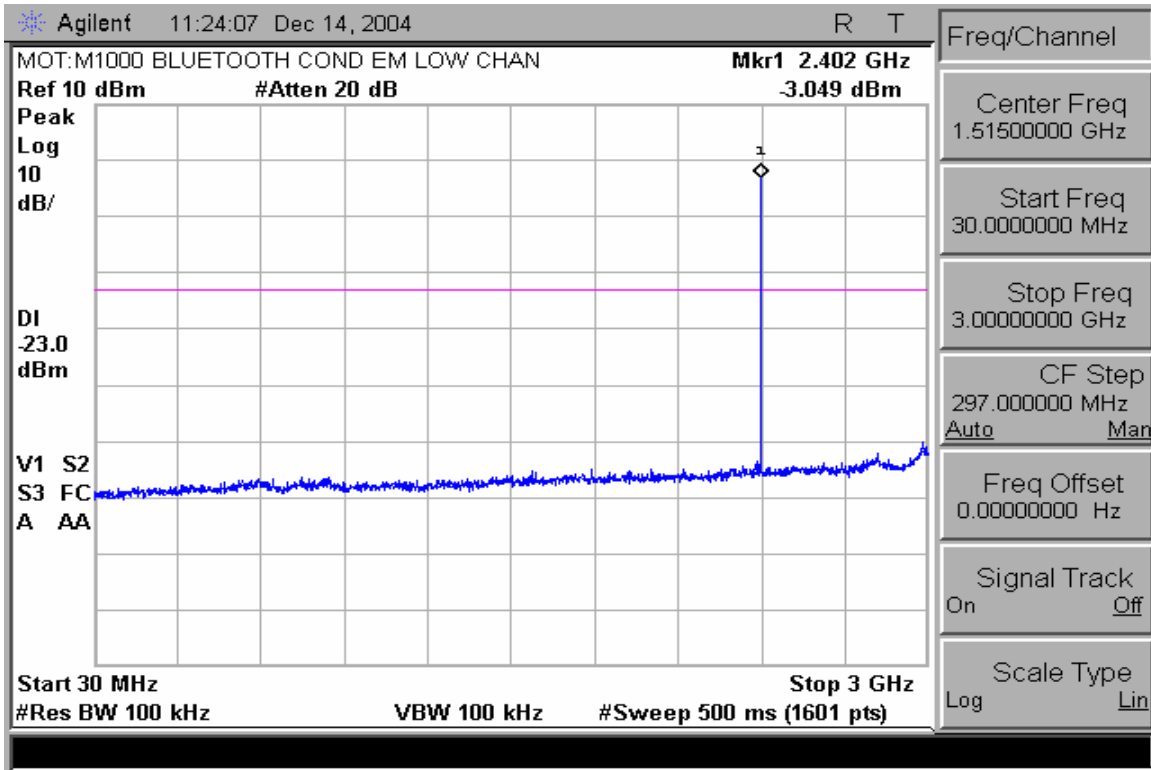
CFR 47 Part 15.247

Measurement Procedure

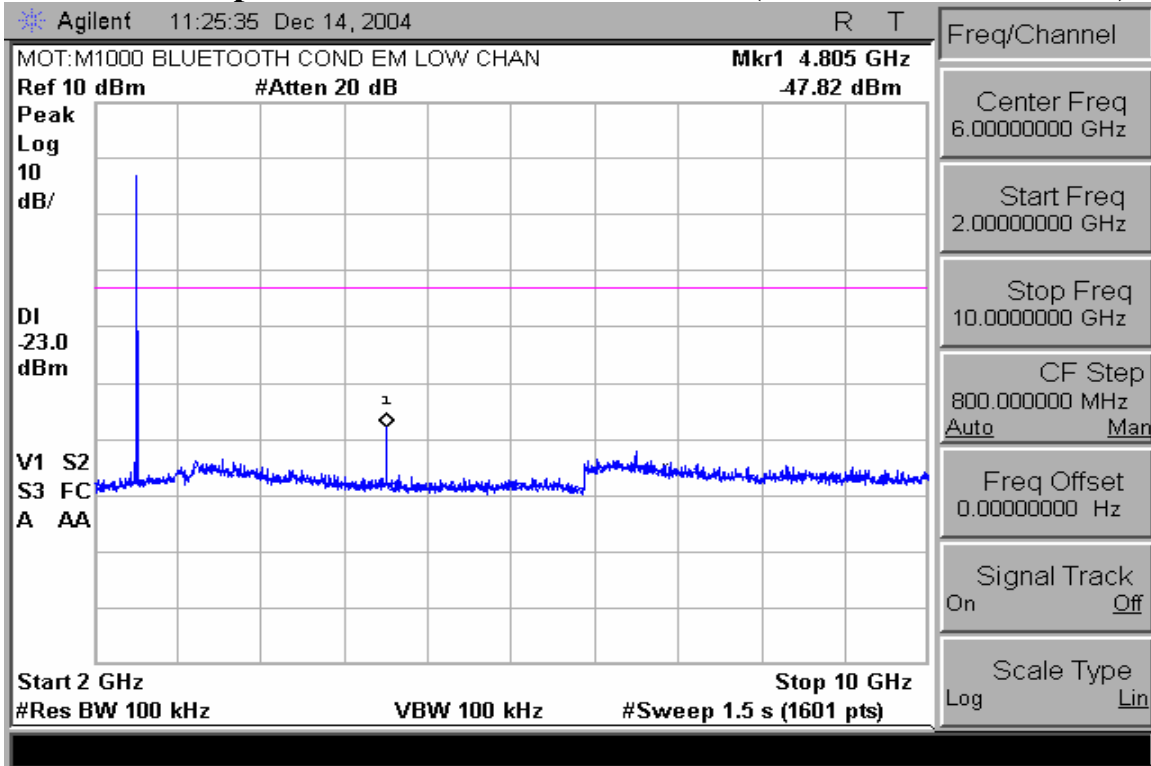
The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

Measurement Results

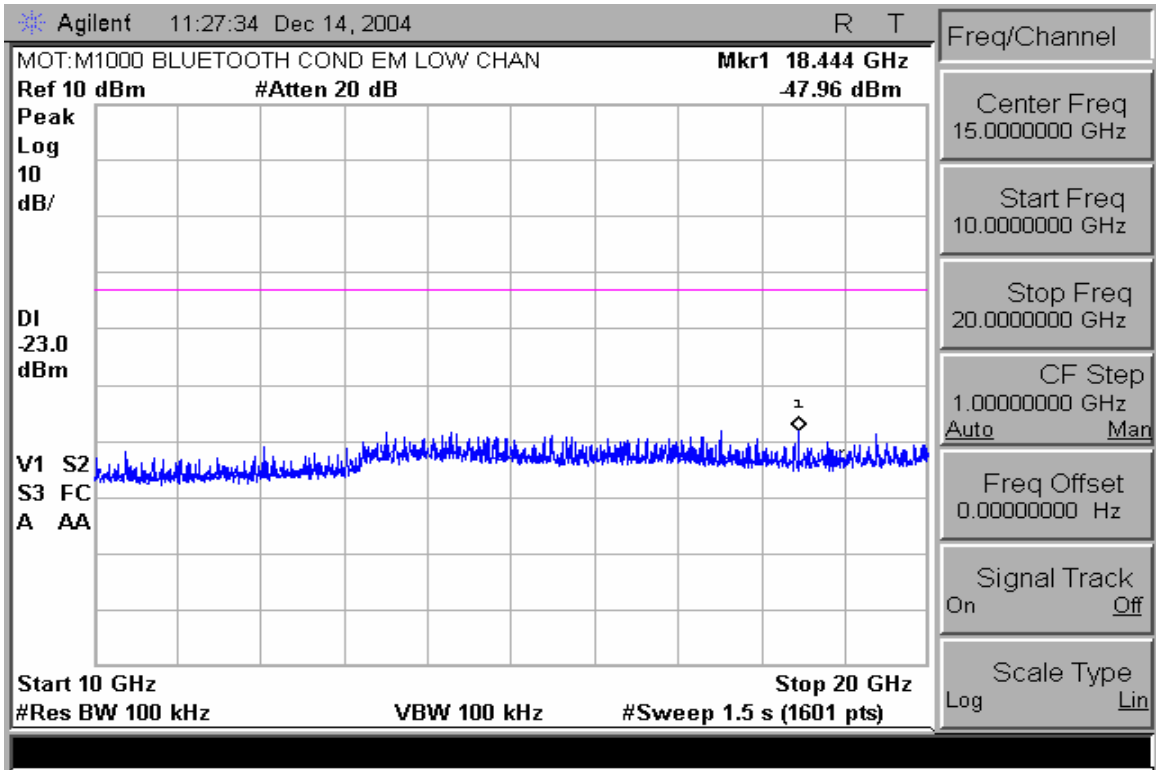
See attached:



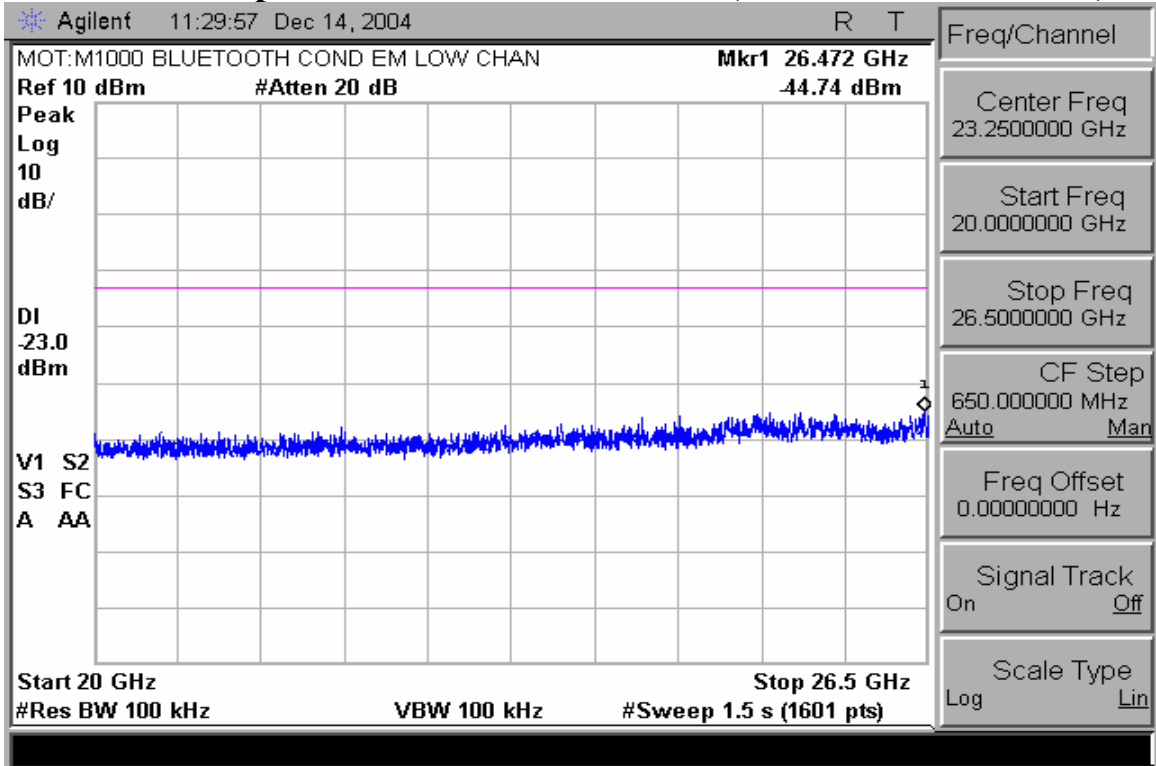
Conducted Spurious Emissions 30-3000MHz (Low Channel Enabled)



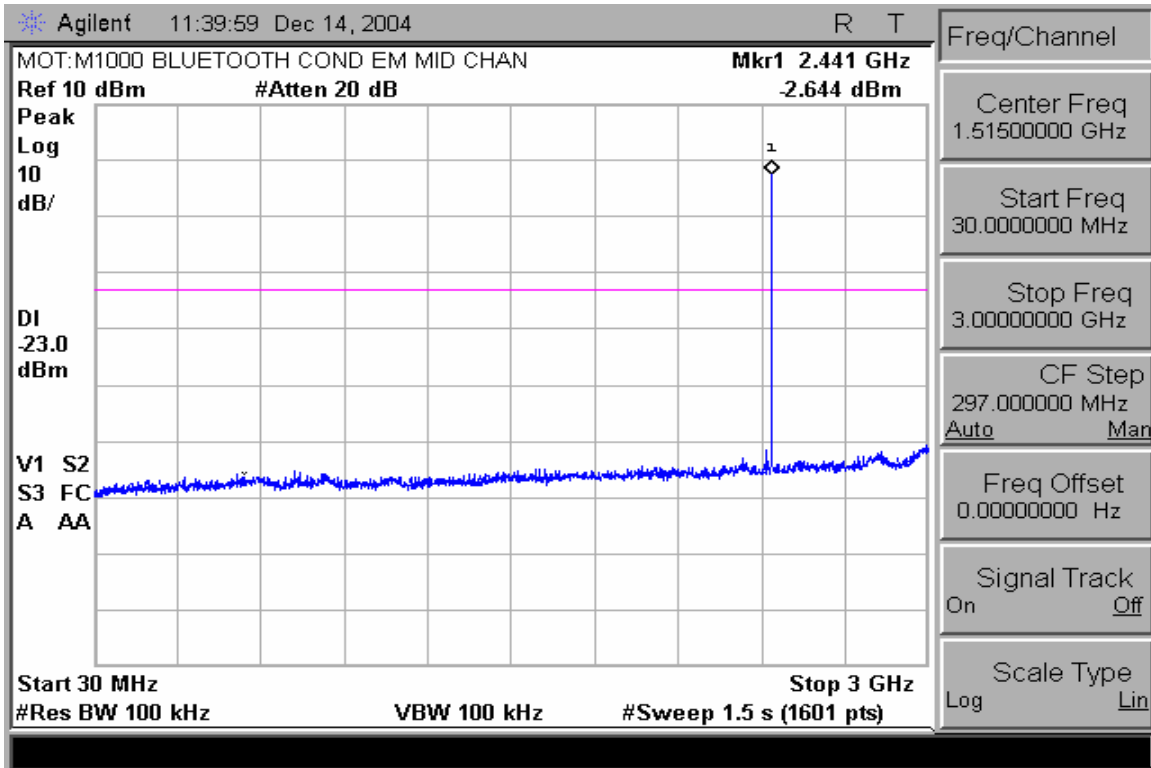
Conducted Spurious Emissions 2-10GHz (Low Channel Enabled)



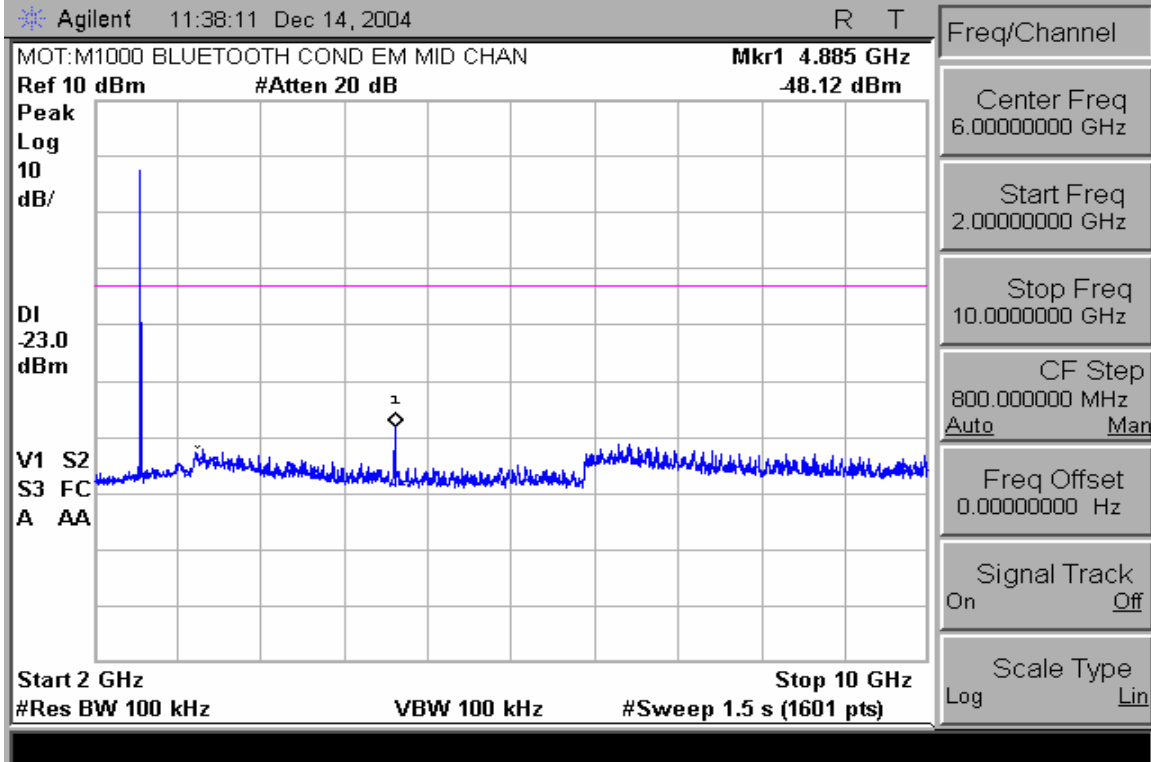
Conducted Spurious Emissions 10-20GHz (Low Channel Enabled)



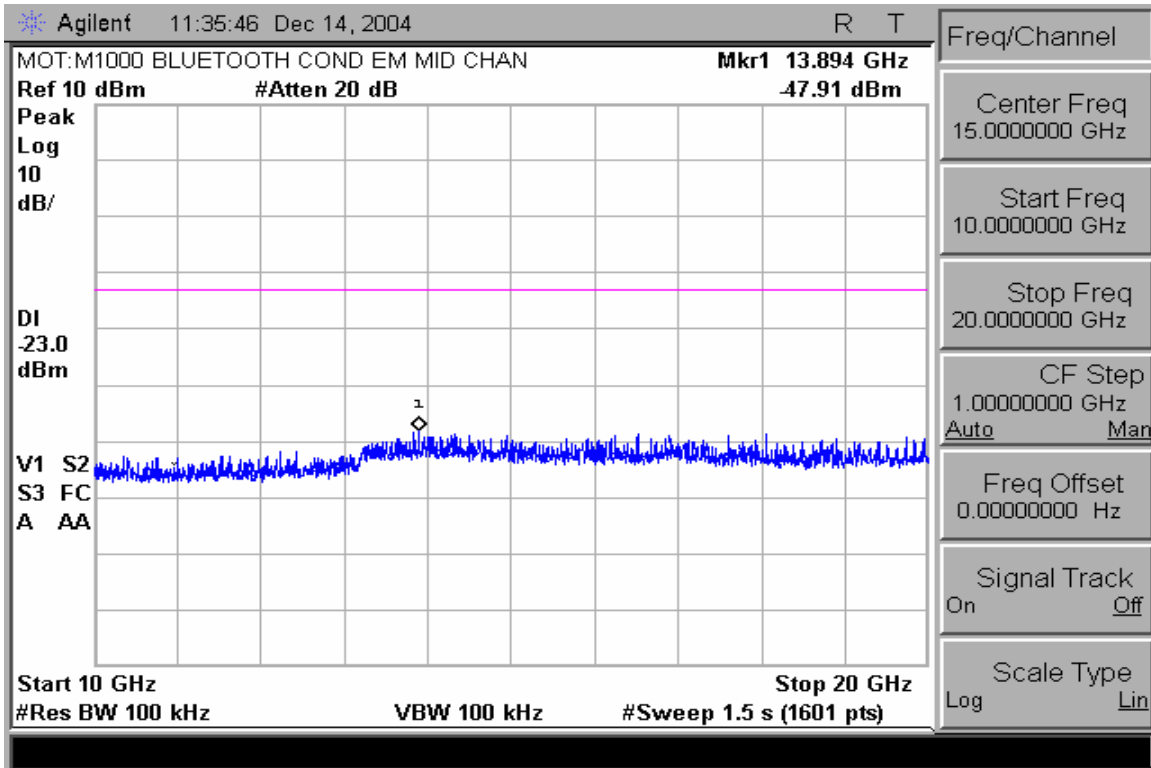
Conducted Spurious Emissions 20-26.5GHz (Low Channel Enabled)



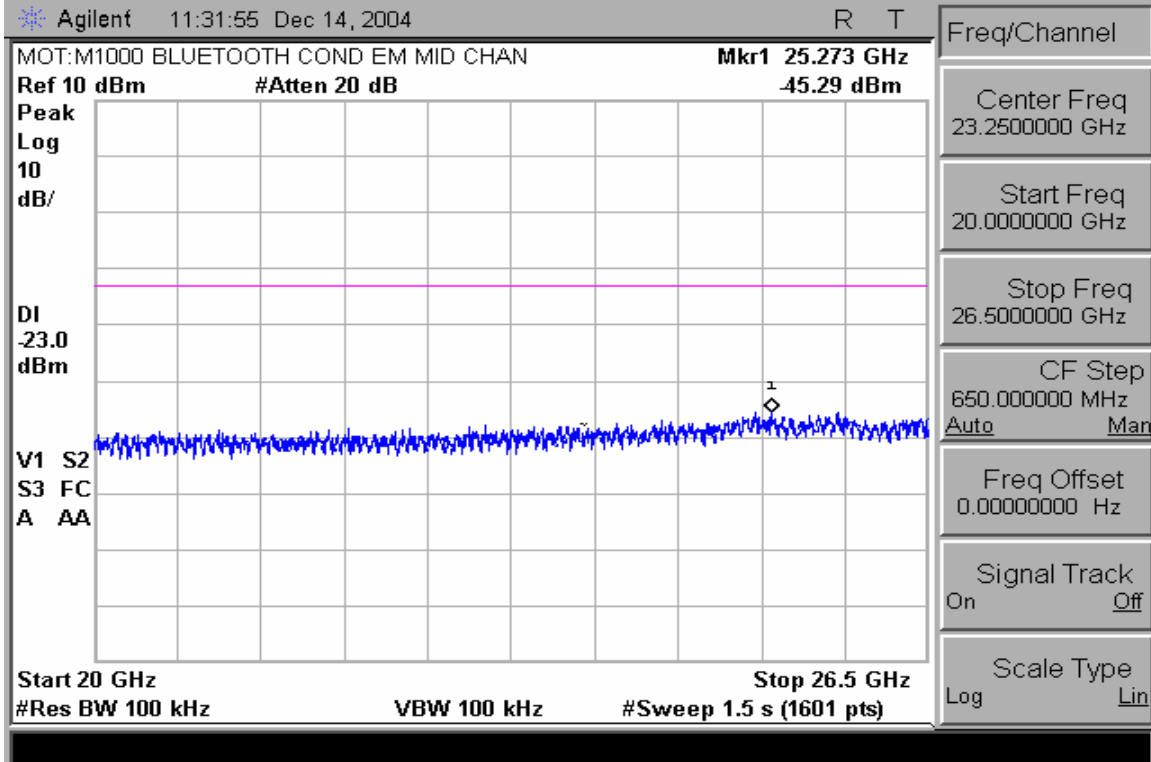
Conducted Spurious Emissions 30-3000MHz (Mid Channel Enabled)



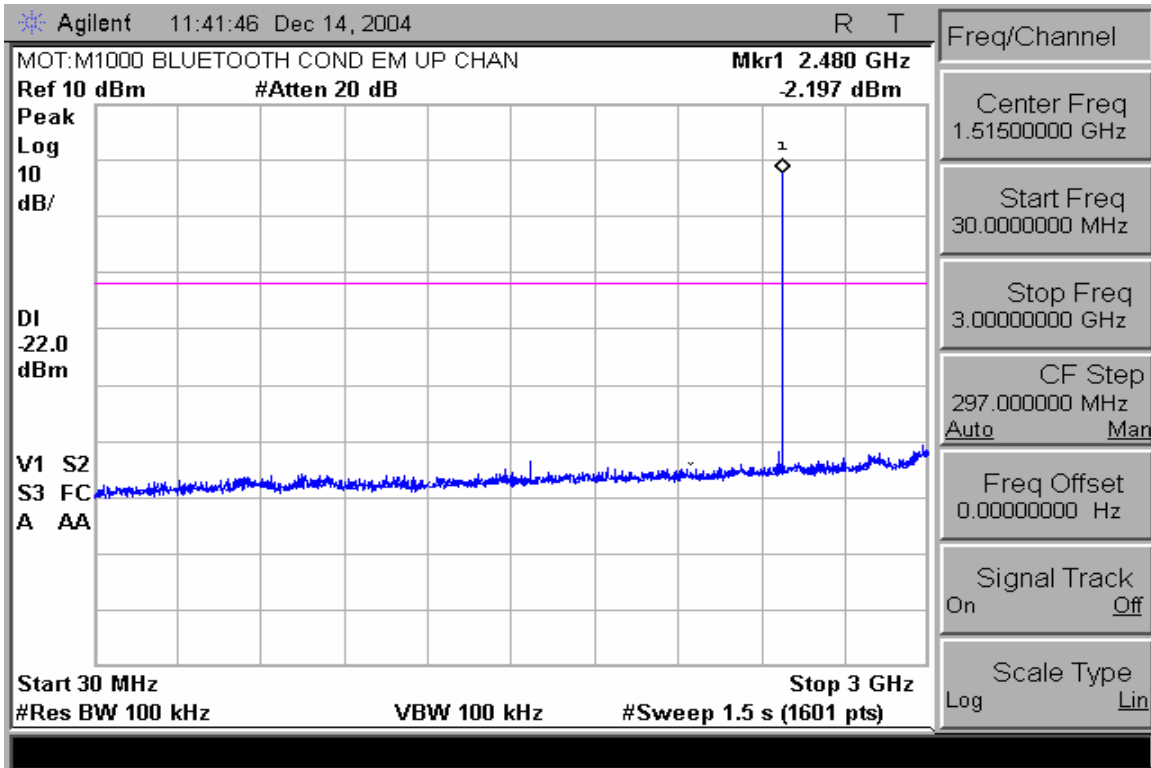
Conducted Spurious Emissions 2-10GHz (Mid Channel Enabled)



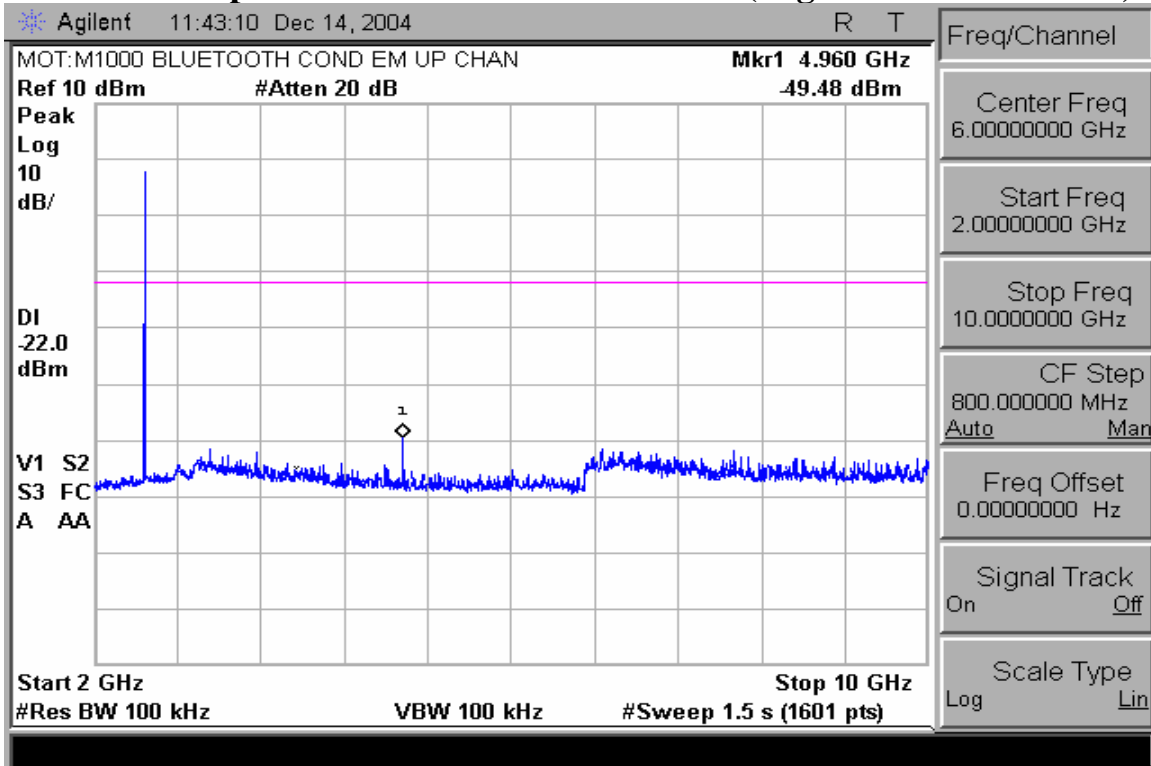
Conducted Spurious Emissions 10-20GHz (Mid Channel Enabled)



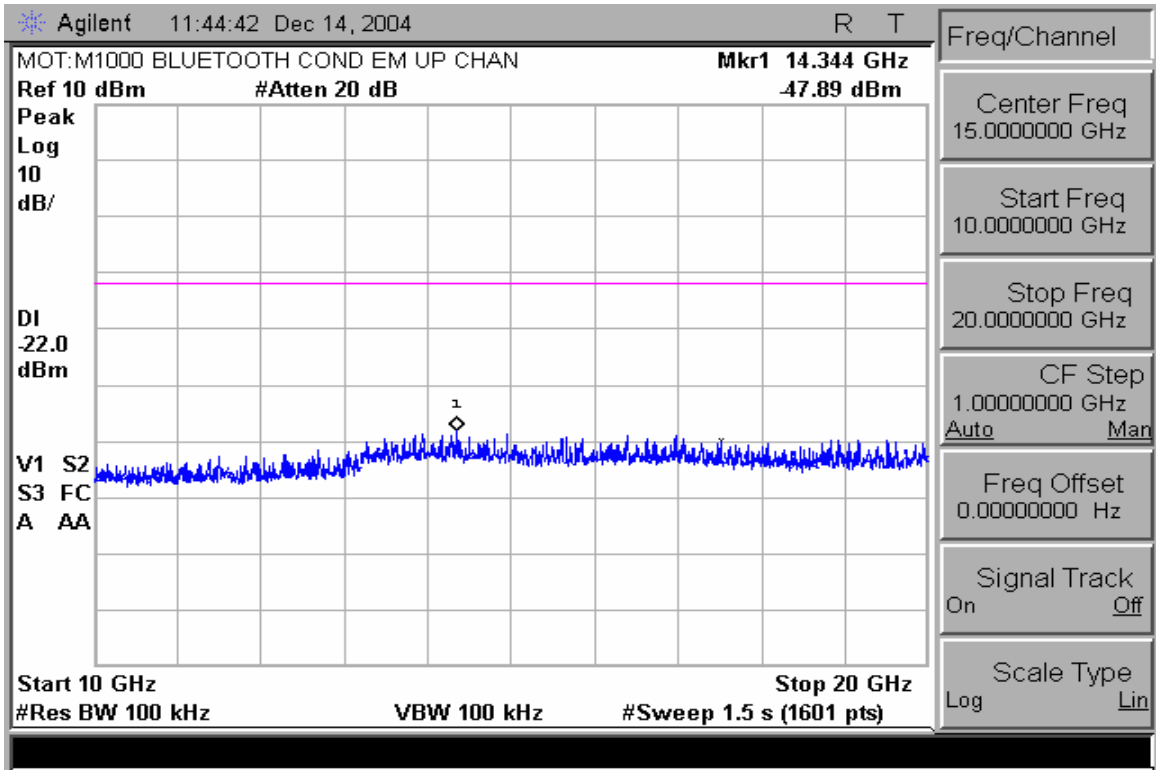
Conducted Spurious Emissions 20-26.5GHz (Mid Chan Enabled)



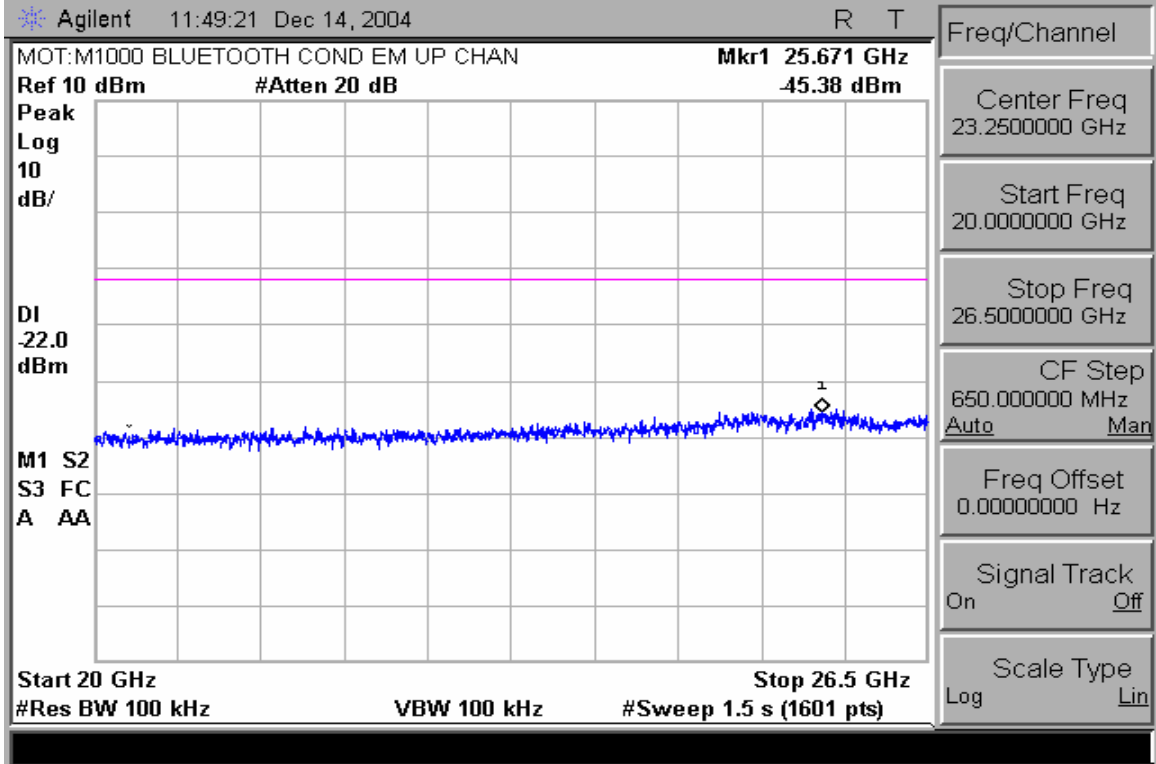
Conducted Spurious Emissions 30-3000MHz (High Channel Enabled)



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)

End of Test Report