



**MOTOROLA**

**PERSONAL COMMUNICATIONS SECTOR**

**PRODUCT SAFETY AND COMPLIANCE  
EMC LABORATORY**

**EMC TEST REPORT - Addendum**

**Test Report Number** – 13686-1BT

**Report Date** – April 7, 2004

**Rev. 1** - May 4, 2004

Pages 23--30 corrected to identify fundamental freq.

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 purple ink that reads "Michael E. Hill".

Signature:

Name: Michael E. Hill

Title: Senior Electrical Engineer

Date :May 4, 2004

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A2LA Certificate Number: 1846-01



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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: Underwriters Laboratories  
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: GSM 1900, Bluetooth

Model Number: A845

Serial Numbers: L850440069, L850440085, L850440072

Testing Complete Date: March 16, 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         | Pass      |
| 2    | Number of Hopping Frequencies        | Pass      |
| 3    | Time of Occupancy (Dwell Time)       | Pass      |
| 4    | 20 dB Bandwidth                      | Pass      |
| 5    | Spurious RF Conducted Emissions      | Pass      |
| 6    | Field Strength of Spurious Emissions | Pass      |
| 7    | Max Power                            | N/A       |
| 8    | Band Edges                           | See plots |
| 9    | Conducted Spurious Emissions         | Pass      |

| Test | Test Name                            | Results       |
|------|--------------------------------------|---------------|
| 1    | Carrier Frequency Separation         | 1.001MHz      |
| 2    | Number of Hopping                    | 79            |
| 3    | Time of Occupancy (Dwell Time)       | 121.2 $\mu$ s |
| 4    | 20 dB Bandwidth                      | 795 KHz       |
| 5    | Spurious RF Conducted Emissions      | See plots     |
| 6    | Field Strength of Spurious Emissions | See plots     |
| 7    | Max Power                            | 0.204 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**

| <b>Manufacturer Name</b> | <b>Item Name Description</b> | <b>Model #</b> | <b>Serial Number</b> | <b>Calibration Due Date</b> |
|--------------------------|------------------------------|----------------|----------------------|-----------------------------|
| HP                       | GSM Test Set                 | 8922M          | 3639U01033           | 05/04/2004                  |
| HP                       | DCS/PCS MS Test Set          | 83220E         | 3524U01522           | 05/22/2004                  |
| Agilent                  | Power Supply                 | 66311B         | US38447252           | 10/24/2004                  |
| HP                       | EMC Analyzer                 | E7405          | US40240219           | 04/04/2004                  |
| Weinschel                | 10dB Attenuator              | AS-6           | 6675                 | 10/14/2004                  |
| Gigatronics              | Universal Power Meter        | 8651A          | 8650508              | 10/02/2004                  |
| KWM                      | 1900MHz HP Filter            | HPF-L-14768    | 8427-01              | 10/02/2004                  |
| KWM                      | 800MHz HP Filter             | HPF-L-14767    | 8427-02              | 08/15/2004                  |
| Thermotron               | Environmental Chamber        | S-4            | 31580                | 01/05/2005                  |
| Rohde Schwarz            | EMI Test Receiver            | ESI26          | 838786/010           | 04/29/2004                  |
| A.H. System              | Horn Antenna                 | SAS200/571     | 365                  | 12/17/2004                  |
| A.H. System              | Horn Antenna                 | SAS200/571     | 265                  | 04/29/2004                  |
| ETS                      | Log-Periodic Antenna         | 3148           | 1189                 | 04/29/2004                  |
| ETS                      | Biconical Antenna            | 3110B          | 3369                 | 04/29/2004                  |
| <b>UL Test Equipment</b> |                              |                |                      |                             |
| Hewlett Packard          | QP Adapter                   | 85650A         | 2811A01069           | 1/08/2005                   |
| Hewlett Packard          | S/A Display                  | 8566B          | 2542A12974           | 1/08/2005                   |
| Hewlett Packard          | S/A                          | 8566B          | 2637A03376           | 1/08/2005                   |
| Hewlett Packard          | RF Preselector               | 85685A         | 2810A00692           | 1/08/2005                   |
| Rohde & Schwarz          | S/A                          | FSEK20         | DE2525315            | 1/09/2005                   |
| EMCO                     | Horn Antenna 1-18GHz         | 3115           | 2638                 | 7/10/2004                   |
| EMCO                     | Horn Antenna 18-26.5GHz      | 3160-09        | 9904-1165            | N/A*                        |
| Chase                    | Bi-Con Antenna 30-300MHz     | VBA6106A       | 1246                 | 6/23/2004                   |
| Chase                    | Log-Periodic Antenna         | UPA6108        | 1120                 | 6/23/2004                   |

All equipment is on a one-year calibration cycle.

**Description of Bluetooth Transmitter**

The A845 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. 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.

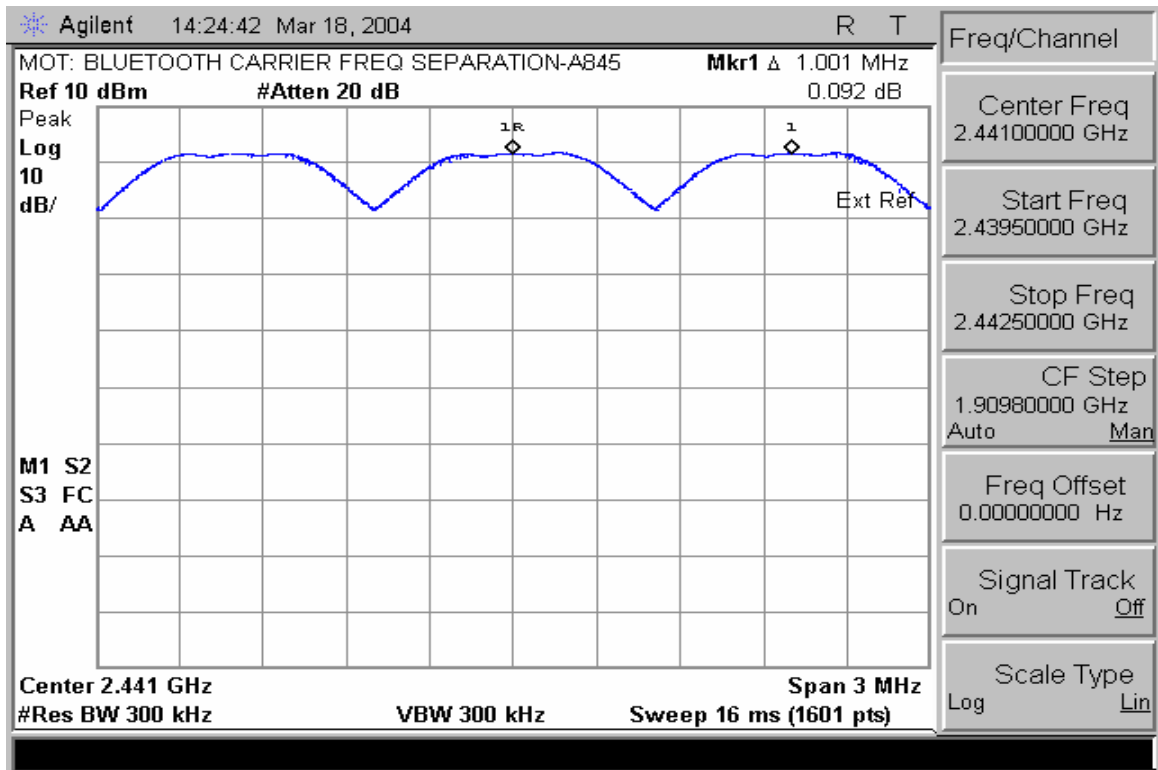
The Bluetooth transmitter of the A845 had its hopping function enabled. The following spectrum analyzer settings were used:

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.

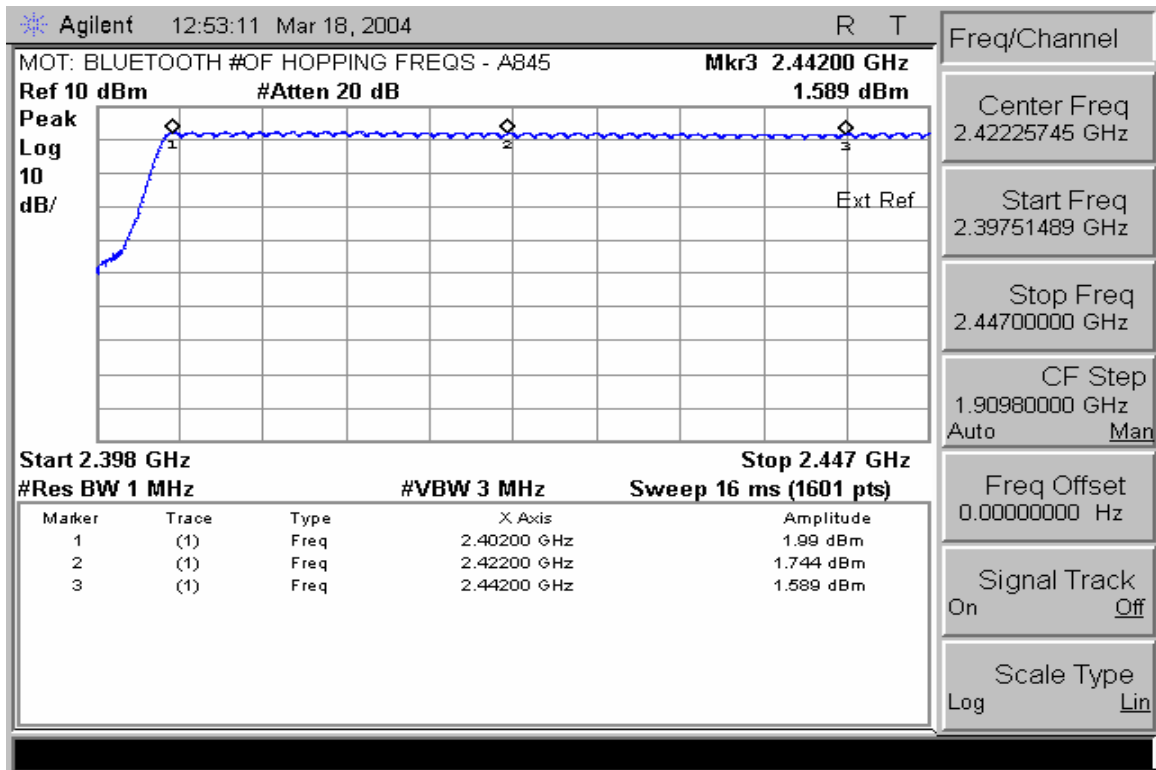
The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer used the following settings:

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

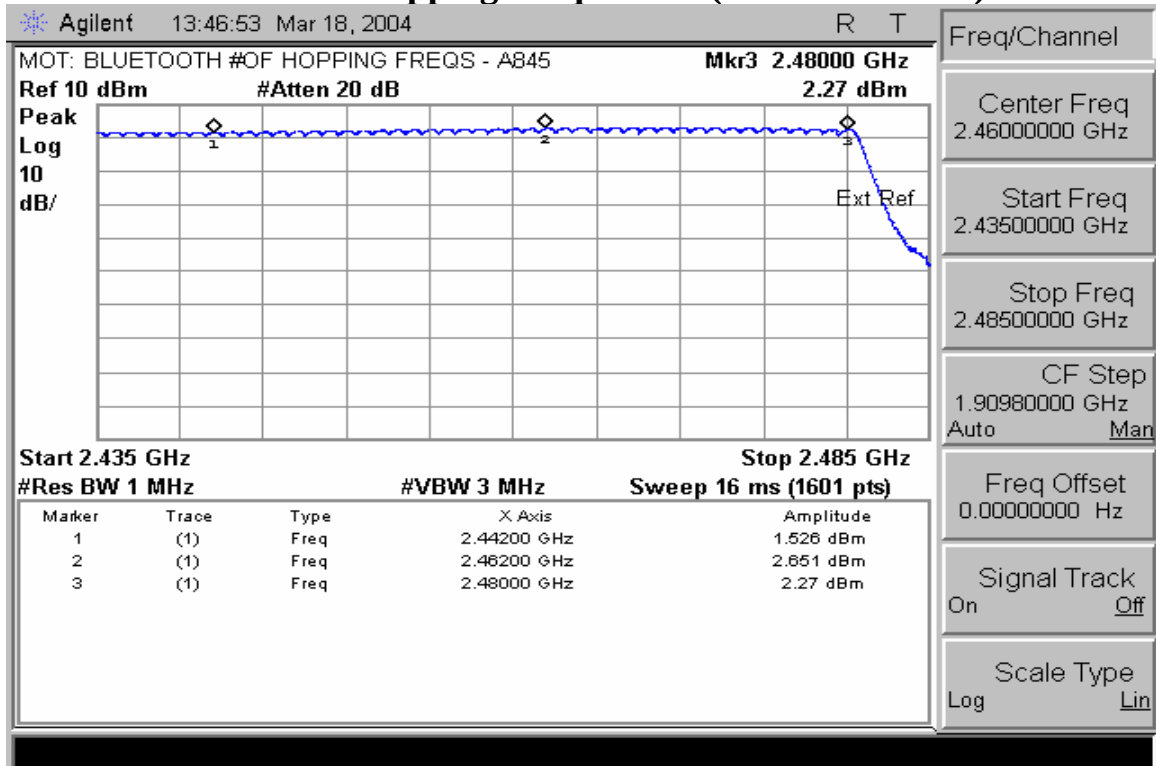
The trace was allowed to stabilize.

### **Measurement Results**

See attached.



### Number of Hopping Frequencies (Channels 2 – 42)



### Number of Hopping Frequencies (Channels 42 – 80)

**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.

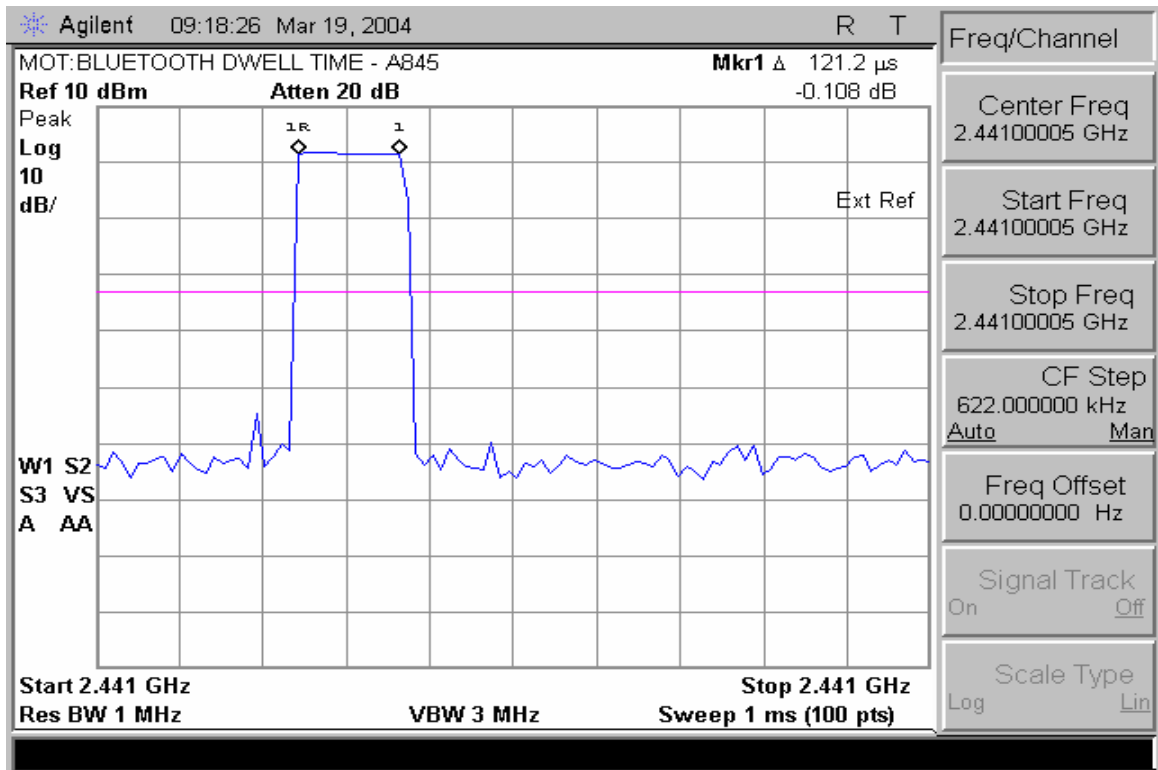
The Bluetooth hopping function of the EUT was enabled. The following spectrum analyzer settings were used:

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.

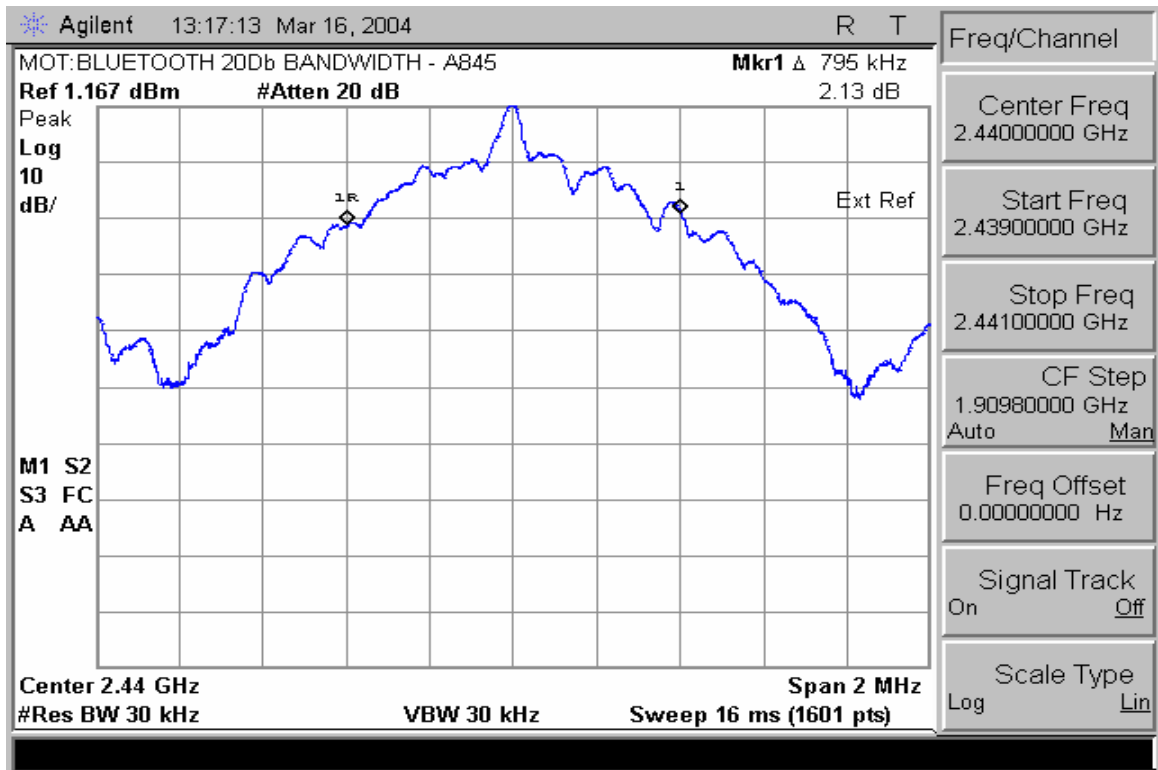
The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer used the following settings:

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



## 20 dB 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.

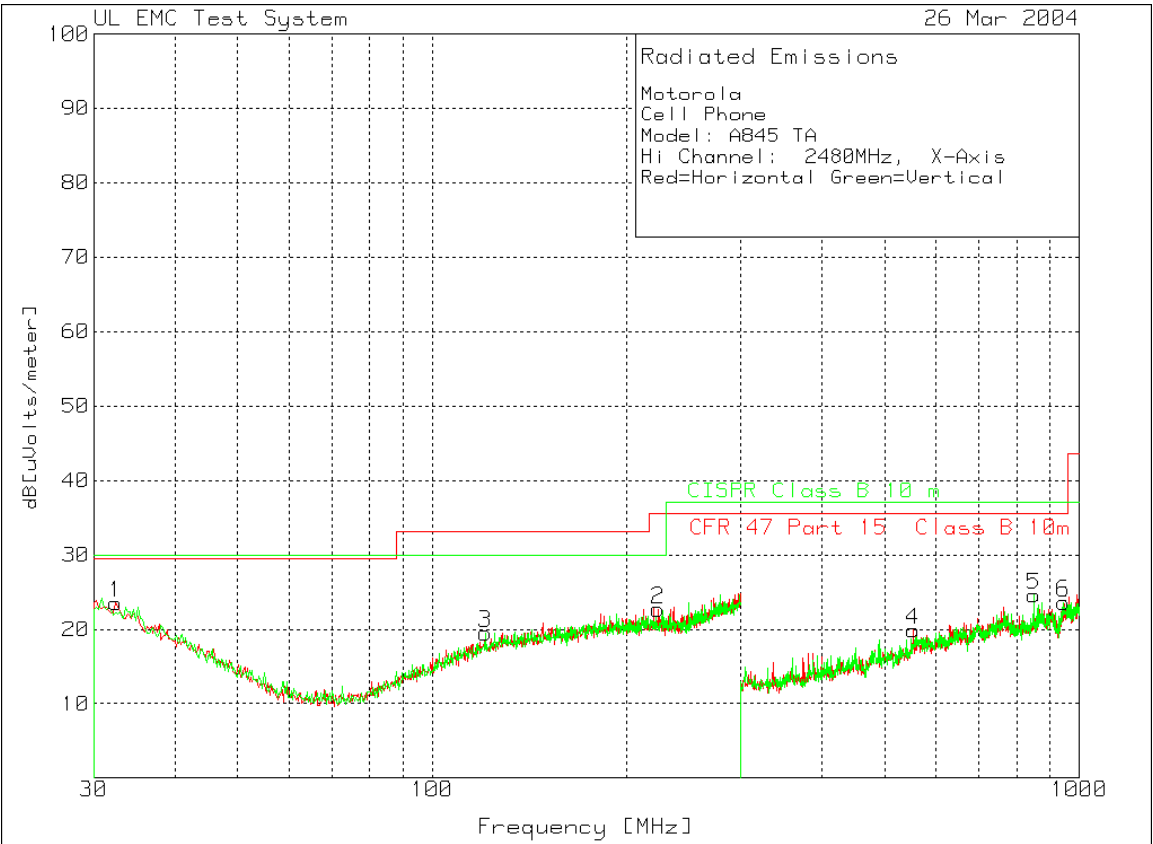
Field Strength (dBuV/m) = EMI Receiver Level (dBuV) + Cable Loss (dB) -  
Amplifier Gain (dB) + Antenna Correction Factor (1/m)

A fully charged battery was used for the supply voltage.

This data was taken at Underwriter's Laboratories.

### **Measurement Results**

Attached

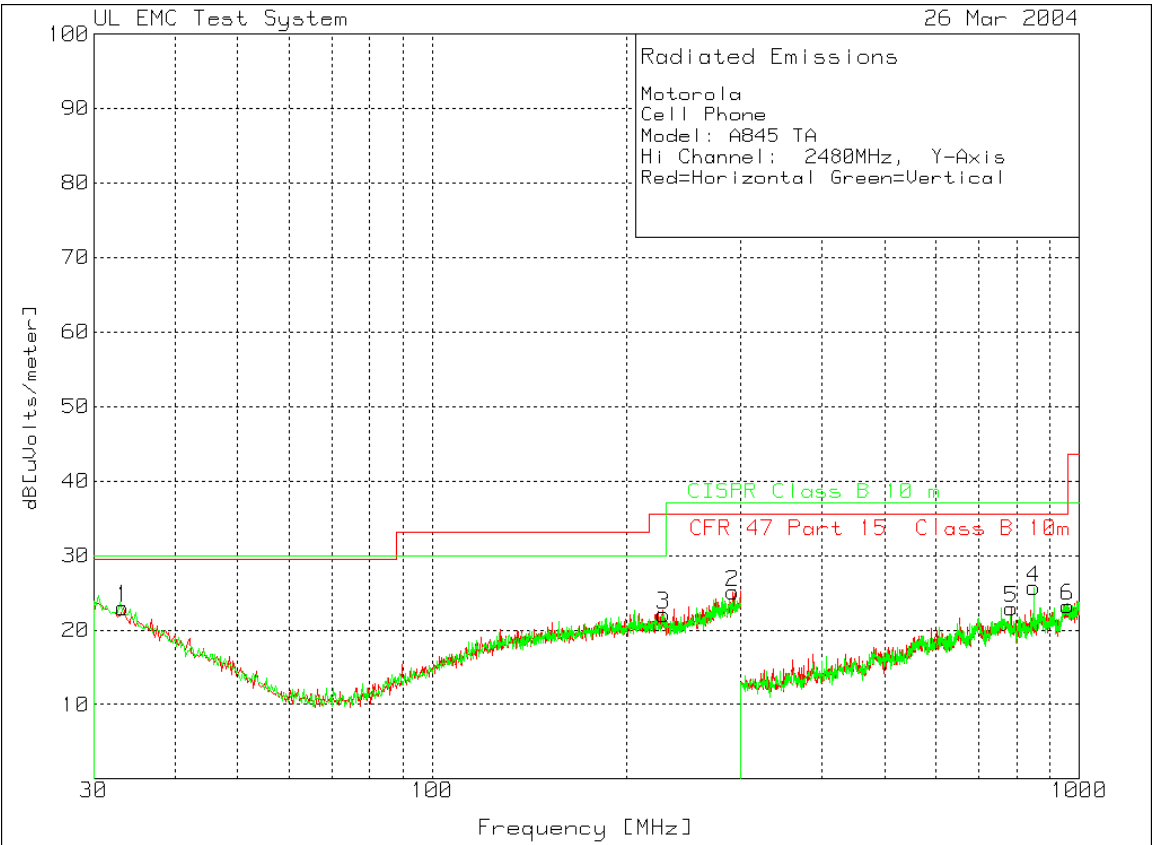


30-1000MHz High Channel Dual Polarization X

| Number                 | Frequency<br>[MHz] | Reading<br>[dB(uV)] | Type | Factor<br>[dB] | Factor<br>[dB] | dB[uVolts/meter] |      |       |    |       |     |          |
|------------------------|--------------------|---------------------|------|----------------|----------------|------------------|------|-------|----|-------|-----|----------|
| Range: 1 30 - 300MHz   |                    |                     |      |                |                |                  |      |       |    |       |     |          |
| 1                      | 32.43              | 31.6                | pk   | -26.9          | 18.8           | 23.5             | 29.6 | -6.1  | 30 | -6.5  | 169 | 100 Horz |
| 2                      | 223.32             | 32.7                | pk   | -26.1          | 16.1           | 22.7             | 35.6 | -12.9 | 30 | -7.3  | 304 | 100 Horz |
| Range: 2 30 - 300MHz   |                    |                     |      |                |                |                  |      |       |    |       |     |          |
| 3                      | 120.72             | 32.7                | pk   | -26.6          | 13.4           | 19.5             | 33.1 | -13.6 | 30 | -10.5 | 352 | 100 Vert |
| Range: 3 300 - 1000MHz |                    |                     |      |                |                |                  |      |       |    |       |     |          |
| 4                      | 553.4              | 32.2                | pk   | -31.7          | 19.4           | 19.9             | 35.6 | -15.7 | 37 | -17.1 | 281 | 100 Horz |
| Range: 4 300 - 1000MHz |                    |                     |      |                |                |                  |      |       |    |       |     |          |
| 5                      | 850.9              | 33.7                | pk   | -31.9          | 22.8           | 24.6             | 35.6 | -11   | 37 | -12.4 | 149 | 100 Vert |
| 6                      | 946.1              | 31                  | pk   | -31.7          | 24.3           | 23.6             | 35.6 | -12   | 37 | -13.4 | 33  | 100 Vert |

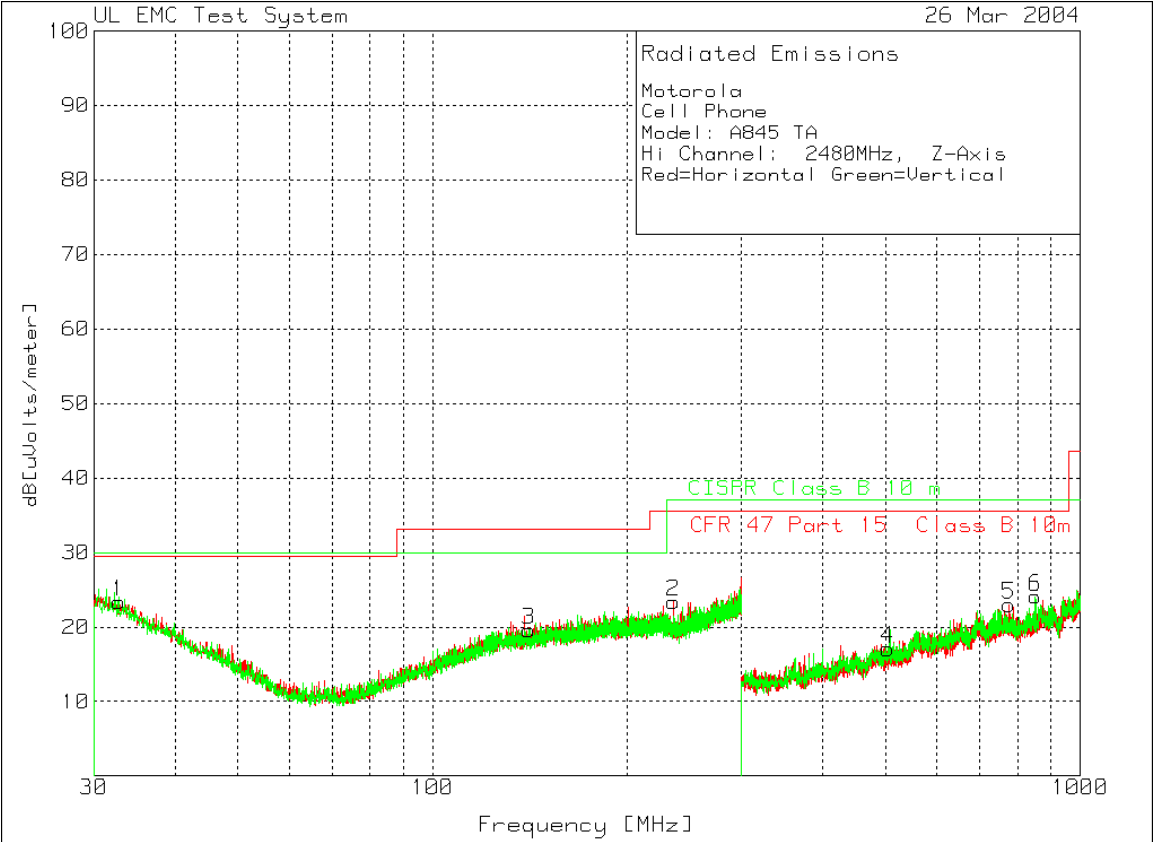
LIMIT 1: CFR 47 Part 15 Class B 10m  
 LIMIT 2: CISPR Class B 10m  
 LIMIT 3: NONE  
 LIMIT 4: NONE  
 LIMIT 5: NONE  
 LIMIT 6: NONE

pk - Peak detector  
 qp - Quasi-Peak detector  
 av - Average detector  
 avlg - Average log detector  
 avem - EMI Average detector



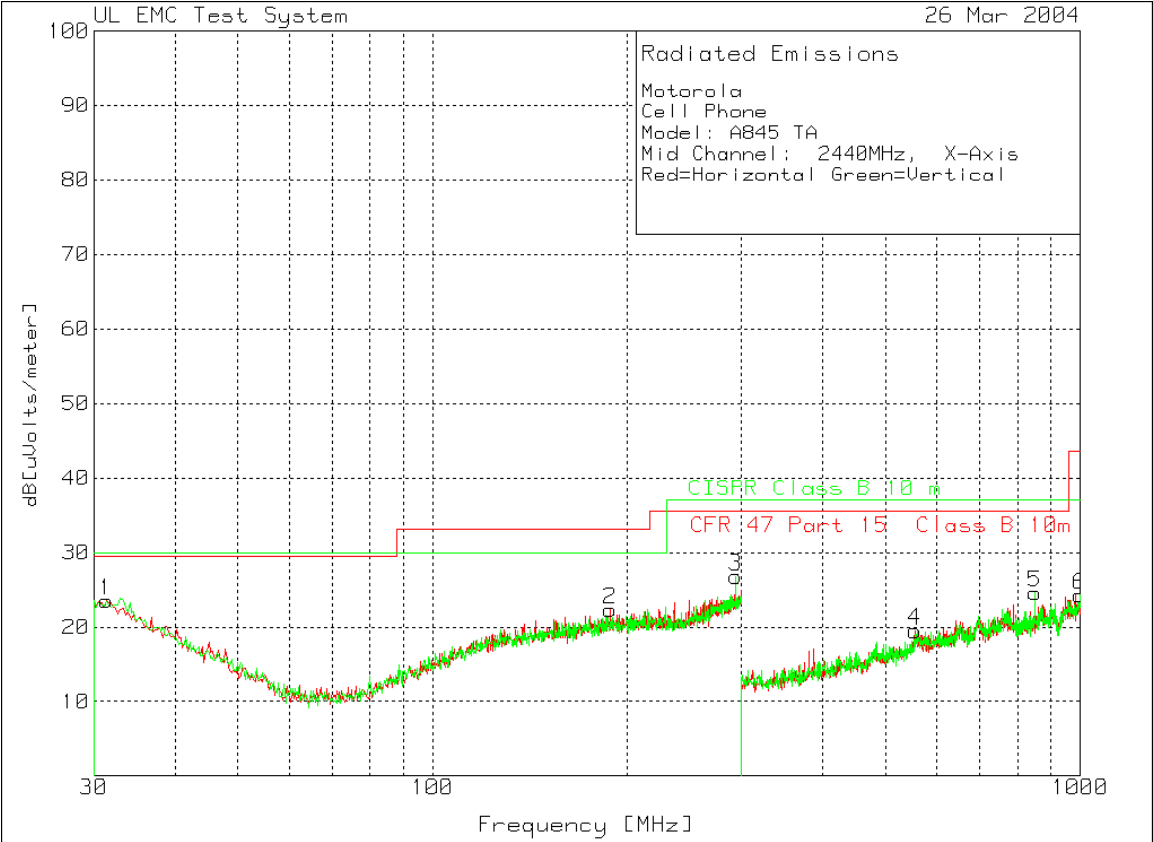
30-1000MHz High Channel Dual Polarization Y

| Motorola<br>Cell Phone<br>Model: A845 TA<br>Hi Channel: 2480MHz, Y-Axis<br>Red=Horizontal Green=Vertical                               |                      |                        |               |                       |                        |                        |         |             |         |             |             |            |          |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|---------------|-----------------------|------------------------|------------------------|---------|-------------|---------|-------------|-------------|------------|----------|
| Marker Number                                                                                                                          | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Loss Factor [dB] | Transducer Factor [dB] | Level dB[uVolts/meter] | Limit 1 | Margin 1[c] | Limit 2 | Margin 2[c] | Azimuth [c] | Height [m] | Polarity |
| Range: 1 30 - 300MHz                                                                                                                   |                      |                        |               |                       |                        |                        |         |             |         |             |             |            |          |
| 1                                                                                                                                      | 33.24                | 31.4                   | pk            | -26.9                 | 18.5                   | 23                     | 29.6    | -6.6        | 30      | -7          | 340         | 100        | Horz     |
| 2                                                                                                                                      | 291.36               | 32.7                   | pk            | -25.7                 | 18.1                   | 25.1                   | 35.6    | -10.5       | 37      | -11.9       | 205         | 100        | Horz     |
| Range: 2 30 - 300MHz                                                                                                                   |                      |                        |               |                       |                        |                        |         |             |         |             |             |            |          |
| 3                                                                                                                                      | 227.64               | 32.1                   | pk            | -26.1                 | 16.1                   | 22.1                   | 35.6    | -13.5       | 30      | -7.9        | 122         | 100        | Vert     |
| Range: 3 300 - 1000MHz                                                                                                                 |                      |                        |               |                       |                        |                        |         |             |         |             |             |            |          |
| 5                                                                                                                                      | 785.1                | 32.5                   | pk            | -31.5                 | 21.9                   | 22.9                   | 35.6    | -12.7       | 37      | -14.1       | 164         | 100        | Horz     |
| 6                                                                                                                                      | 959.4                | 30.3                   | pk            | -31.5                 | 24.4                   | 23.2                   | 35.6    | -12.4       | 37      | -13.8       | 187         | 100        | Horz     |
| Range: 4 300 - 1000MHz                                                                                                                 |                      |                        |               |                       |                        |                        |         |             |         |             |             |            |          |
| 4                                                                                                                                      | 850.9                | 34.8                   | pk            | -31.9                 | 22.8                   | 25.7                   | 35.6    | -9.9        | 37      | -11.3       | 172         | 100        | Vert     |
| LIMIT 1: CFR 47 Part 15 Class B 10m<br>LIMIT 2: CISPR Class B 10 m<br>LIMIT 3: NONE<br>LIMIT 4: NONE<br>LIMIT 5: NONE<br>LIMIT 6: NONE |                      |                        |               |                       |                        |                        |         |             |         |             |             |            |          |
| pk - Peak detector<br>qp - Quasi-Peak detector<br>av - Average detector<br>avlg - Average log detector<br>avem - EMI Average detector  |                      |                        |               |                       |                        |                        |         |             |         |             |             |            |          |



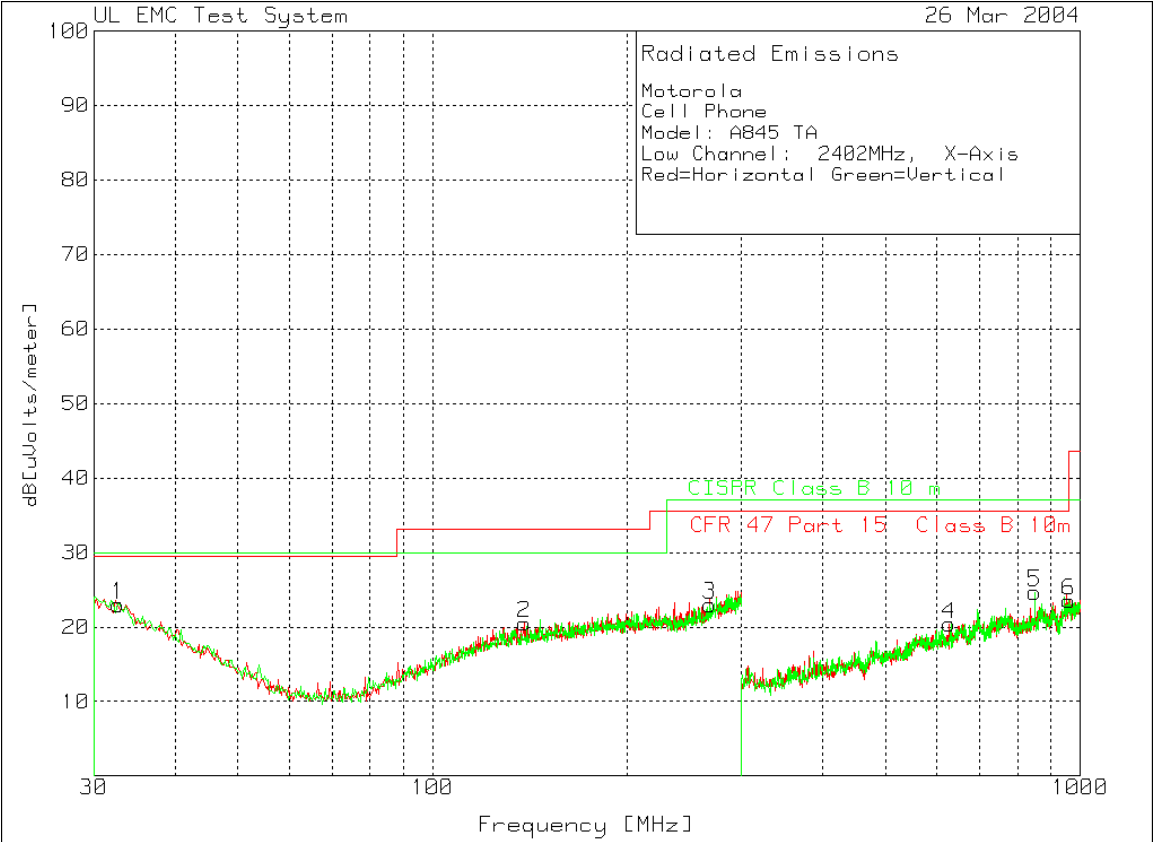
30-1000MHz High Channel Dual Polarization Z

| Motorola<br>Cell Phone<br>Model: A845 TA<br>Hi Channel: 2480MHz, Z-Axis<br>Red=Horizontal Green=Vertical                               |                      |                        |               |                  |                  |                      |              |               |              |               |             |            |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|---------------|------------------|------------------|----------------------|--------------|---------------|--------------|---------------|-------------|------------|
| Marker Number                                                                                                                          | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Factor [dB] | Loss/Factor [dB] | Transduce Level [dB] | Limit 1 [dB] | Margin 1 [dB] | Limit 2 [dB] | Margin 2 [dB] | Azimuth [°] | Height [m] |
| Range: 1 30 - 300MHz                                                                                                                   |                      |                        |               |                  |                  |                      |              |               |              |               |             |            |
| 1                                                                                                                                      | 32.7654              | 31.6                   | pk            | -26.9            | 18.7             | 23.4                 | 29.6         | -6.2          | 30           | -6.6          | 170         | 100 Horz   |
| 2                                                                                                                                      | 235.2473             | 33.7                   | pk            | -26              | 15.7             | 23.4                 | 35.6         | -12.2         | 37           | -13.6         | 170         | 100 Horz   |
| Range: 2 30 - 300MHz                                                                                                                   |                      |                        |               |                  |                  |                      |              |               |              |               |             |            |
| 3                                                                                                                                      | 140.6164             | 31.7                   | pk            | -26.5            | 14.4             | 19.6                 | 33.1         | -13.5         | 30           | -10.4         | 128         | 100 Vert   |
| Range: 3 300 - 1000MHz                                                                                                                 |                      |                        |               |                  |                  |                      |              |               |              |               |             |            |
| 4                                                                                                                                      | 504.0721             | 31.1                   | pk            | -31.9            | 17.9             | 17.1                 | 35.6         | -18.5         | 37           | -19.9         | 70          | 100 Horz   |
| 5                                                                                                                                      | 775.9934             | 32.3                   | pk            | -31.5            | 22.2             | 23                   | 35.6         | -12.6         | 37           | -14           | 305         | 100 Horz   |
| Range: 4 300 - 1000MHz                                                                                                                 |                      |                        |               |                  |                  |                      |              |               |              |               |             |            |
| 6                                                                                                                                      | 852.7235             | 33.2                   | pk            | -31.9            | 22.8             | 24.1                 | 35.6         | -11.5         | 37           | -12.9         | 238         | 100 Vert   |
| LIMIT 1: CFR 47 Part 15 Class B 10m<br>LIMIT 2: CISPR Class B 10 m<br>LIMIT 3: NONE<br>LIMIT 4: NONE<br>LIMIT 5: NONE<br>LIMIT 6: NONE |                      |                        |               |                  |                  |                      |              |               |              |               |             |            |
| pk - Peak detector<br>qp - Quasi-Peak detector<br>av - Average detector<br>avlg - Average log detector<br>avem - EMI Average detector  |                      |                        |               |                  |                  |                      |              |               |              |               |             |            |



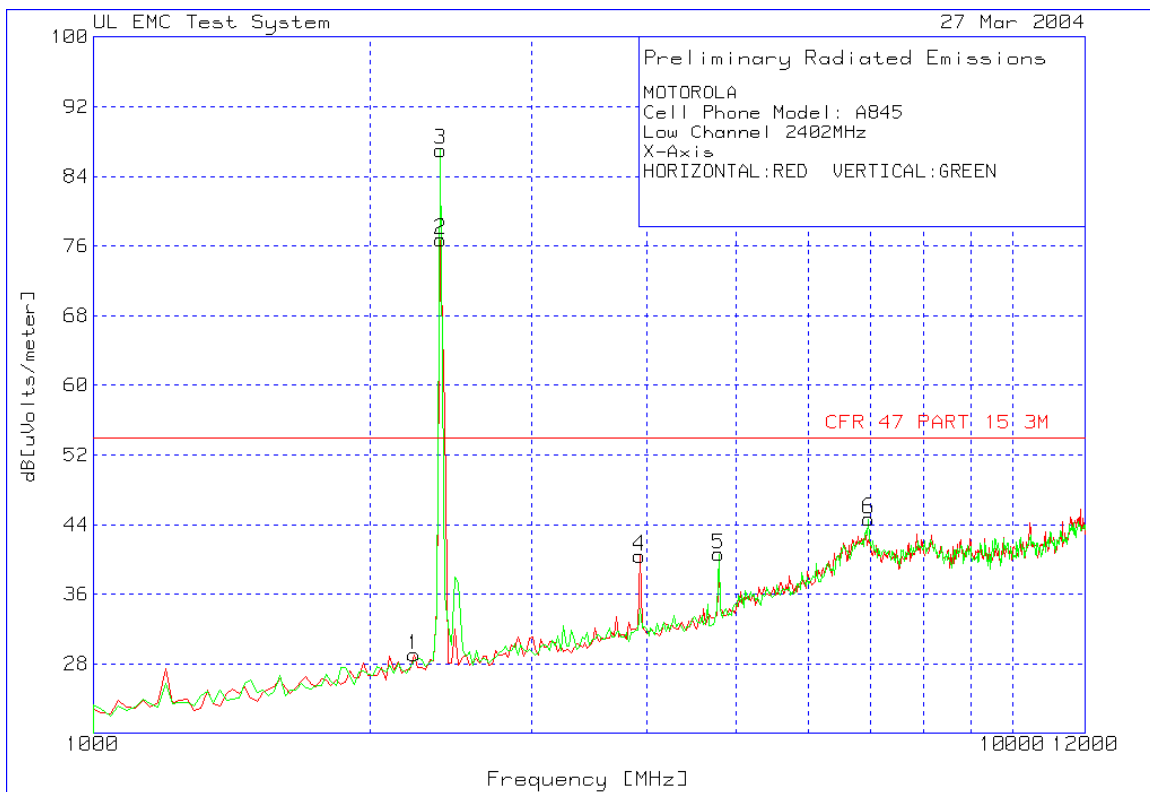
30-1000MHz Mid Channel Dual Polarization X

| Motorola<br>Cell Phone<br>Model: A845 TA<br>Mid Channel: 2440MHz, X-Axis<br>Red=Horizontal Green=Vertical                             |                      |                        |               |                  |                  |                                    |         |                    |            |            |            |          |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|---------------|------------------|------------------|------------------------------------|---------|--------------------|------------|------------|------------|----------|
| Marker Number                                                                                                                         | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Factor [dB] | Loss/Factor [dB] | Transduce Level [dB(uVolts/meter)] | Limit 1 | Margin 1[c Limit 2 | Margin 2[c | Azimuth [c | Height [cn | Polarity |
| Range: 1 30 - 300MHz                                                                                                                  |                      |                        |               |                  |                  |                                    |         |                    |            |            |            |          |
| 1                                                                                                                                     | 31.35                | 31.4 pk                |               | -26.9            | 19               | 23.5                               | 29.6    | -6.1               | 30         | -6.5       | 105        | 100 Horz |
| 2                                                                                                                                     | 187.95               | 32.8 pk                |               | -26.4            | 15.9             | 22.3                               | 33.1    | -10.8              | 30         | -7.7       | 138        | 100 Horz |
| Range: 2 30 - 300MHz                                                                                                                  |                      |                        |               |                  |                  |                                    |         |                    |            |            |            |          |
| 3                                                                                                                                     | 293.79               | 34.3 pk                |               | -25.6            | 18.1             | 26.8                               | 35.6    | -8.8               | 37         | -10.2      | 19         | 100 Vert |
| Range: 3 300 - 1000MHz                                                                                                                |                      |                        |               |                  |                  |                                    |         |                    |            |            |            |          |
| 4                                                                                                                                     | 555.5                | 31.7 pk                |               | -31.7            | 19.5             | 19.5                               | 35.6    | -16.1              | 37         | -17.5      | 164        | 100 Horz |
| Range: 4 300 - 1000MHz                                                                                                                |                      |                        |               |                  |                  |                                    |         |                    |            |            |            |          |
| 5                                                                                                                                     | 851.6                | 33.7 pk                |               | -31.9            | 22.8             | 24.6                               | 35.6    | -11                | 37         | -12.4      | 350        | 100 Vert |
| 6                                                                                                                                     | 997.9                | 30.7 pk                |               | -30.7            | 24.3             | 24.3                               | 43.5    | -19.2              | 37         | -12.7      | 333        | 100 Vert |
| LIMIT 1: CFR 47 Part 15 Class B 10m<br>LIMIT 2: CISPR Class B 10m<br>LIMIT 3: NONE<br>LIMIT 4: NONE<br>LIMIT 5: NONE<br>LIMIT 6: NONE |                      |                        |               |                  |                  |                                    |         |                    |            |            |            |          |
| pk - Peak detector<br>qp - Quasi-Peak detector<br>av - Average detector<br>avlg - Average log detector<br>avem - EMI Average detector |                      |                        |               |                  |                  |                                    |         |                    |            |            |            |          |



30 -1000MHz Low Channel Dual Polarization X

| Motorola<br>Cell Phone<br>Model: A845 TA<br>Low Channel: 2402MHz, X-Axis<br>Red=Horizontal Green=Vertical |           |          |          |           |           |                   |         |          |         |          |         |        |          |
|-----------------------------------------------------------------------------------------------------------|-----------|----------|----------|-----------|-----------|-------------------|---------|----------|---------|----------|---------|--------|----------|
| Marker                                                                                                    | Test      | Meter    | Detector | Gain/Loss | Transduce | Level             | Limit 1 | Margin 1 | Limit 2 | Margin 2 | Azimuth | Height | Polarity |
| Number                                                                                                    | Frequency | Reading  | Type     | Factor    | Factor    | [dB[uVolts/meter] |         |          |         |          | [c]     | [cn]   |          |
|                                                                                                           | [MHz]     | [dB(uV)] |          | [dB]      | [dB]      |                   |         |          |         |          |         |        |          |
| Range: 1 30 - 300MHz                                                                                      |           |          |          |           |           |                   |         |          |         |          |         |        |          |
|                                                                                                           | 1         | 32.7     | 31.2 pk  | -26.9     | 18.7      | 23                | 29.6    | -6.6     | 30      | -7       | 274     | 100    | Horz     |
|                                                                                                           | 2         | 138.54   | 32.7 pk  | -26.6     | 14.4      | 20.5              | 33.1    | -12.6    | 30      | -9.5     | 342     | 100    | Horz     |
| Range: 2 30 - 300MHz                                                                                      |           |          |          |           |           |                   |         |          |         |          |         |        |          |
|                                                                                                           | 3         | 267.87   | 31.8 pk  | -25.8     | 17        | 23                | 35.6    | -12.6    | 37      | -14      | 190     | 100    | Vert     |
| Range: 3 300 - 1000MHz                                                                                    |           |          |          |           |           |                   |         |          |         |          |         |        |          |
|                                                                                                           | 4         | 628.3    | 32 pk    | -31.3     | 19.7      | 20.4              | 35.6    | -15.2    | 37      | -16.6    | 351     | 100    | Horz     |
| Range: 4 300 - 1000MHz                                                                                    |           |          |          |           |           |                   |         |          |         |          |         |        |          |
|                                                                                                           | 5         | 850.9    | 33.8 pk  | -31.9     | 22.8      | 24.7              | 35.6    | -10.9    | 37      | -12.3    | 169     | 100    | Vert     |
|                                                                                                           | 6         | 960.1    | 30.7 pk  | -31.6     | 24.4      | 23.5              | 43.5    | -20      | 37      | -13.5    | 169     | 100    | Vert     |
| LIMIT 1: CFR 47 Part 15 Class B 10m                                                                       |           |          |          |           |           |                   |         |          |         |          |         |        |          |
| LIMIT 2: CISPR Class B 10 m                                                                               |           |          |          |           |           |                   |         |          |         |          |         |        |          |
| LIMIT 3: NONE                                                                                             |           |          |          |           |           |                   |         |          |         |          |         |        |          |
| LIMIT 4: NONE                                                                                             |           |          |          |           |           |                   |         |          |         |          |         |        |          |
| LIMIT 5: NONE                                                                                             |           |          |          |           |           |                   |         |          |         |          |         |        |          |
| LIMIT 6: NONE                                                                                             |           |          |          |           |           |                   |         |          |         |          |         |        |          |
| pk - Peak detector                                                                                        |           |          |          |           |           |                   |         |          |         |          |         |        |          |
| qp - Quasi-Peak detector                                                                                  |           |          |          |           |           |                   |         |          |         |          |         |        |          |
| av - Average detector                                                                                     |           |          |          |           |           |                   |         |          |         |          |         |        |          |
| avlg - Average log detector                                                                               |           |          |          |           |           |                   |         |          |         |          |         |        |          |
| avem - EMI Average detector                                                                               |           |          |          |           |           |                   |         |          |         |          |         |        |          |



### 1-12 GHz Low Channel Dual Polarization X

MOTOROLA  
Cell Phone Model: A845  
Low Channel 2402MHz  
X-Axis

HORIZONTAL:RED VERTICAL:GREEN

| Marker Number              | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Factor [dB] | Loss/Factor [dB] | Transducer Level [dB(uVolts/meter)] | Limit 1 | Margin 1[c] | Height [cm] | Polarity |
|----------------------------|----------------------|------------------------|---------------|------------------|------------------|-------------------------------------|---------|-------------|-------------|----------|
| Horizontal 1000 - 12000MHz |                      |                        |               |                  |                  |                                     |         |             |             |          |
| 1                          | 2234.469             | 55.32                  | pk            | -54.8            | 28.5             | 29.02                               | 54      | -24.98      |             | 101 Horz |
| 2                          | 2388.778             | 102.63                 | pk            | -54.6            | 28.7             | 76.73                               | 54      | -22.73      |             | 101 Horz |
| 4                          | 3931.864             | 62.38                  | pk            | -54.5            | 32.5             | 40.38                               | 54      | -13.62      |             | 101 Horz |
| Vertical 1000 - 12000MHz   |                      |                        |               |                  |                  |                                     |         |             |             |          |
| 3                          | 2388.778             | 112.96                 | pk            | -54.6            | 28.7             | 87.06                               | 54      | -33.06      |             | 101 Vert |
| 5                          | 4791.583             | 59.98                  | pk            | -53.1            | 33.7             | 40.58                               | 54      | -13.42      |             | 101 Vert |
| 6                          | 6973.948             | 56.95                  | pk            | -48.8            | 36.5             | 44.65                               | 54      | -9.35       |             | 101 Vert |

LIMIT 1: CFR 47 PART 15.3M

LIMIT 2: NONE

LIMIT 3: NONE

LIMIT 4: NONE

LIMIT 5: NONE

LIMIT 6: NONE

pk - Peak detector

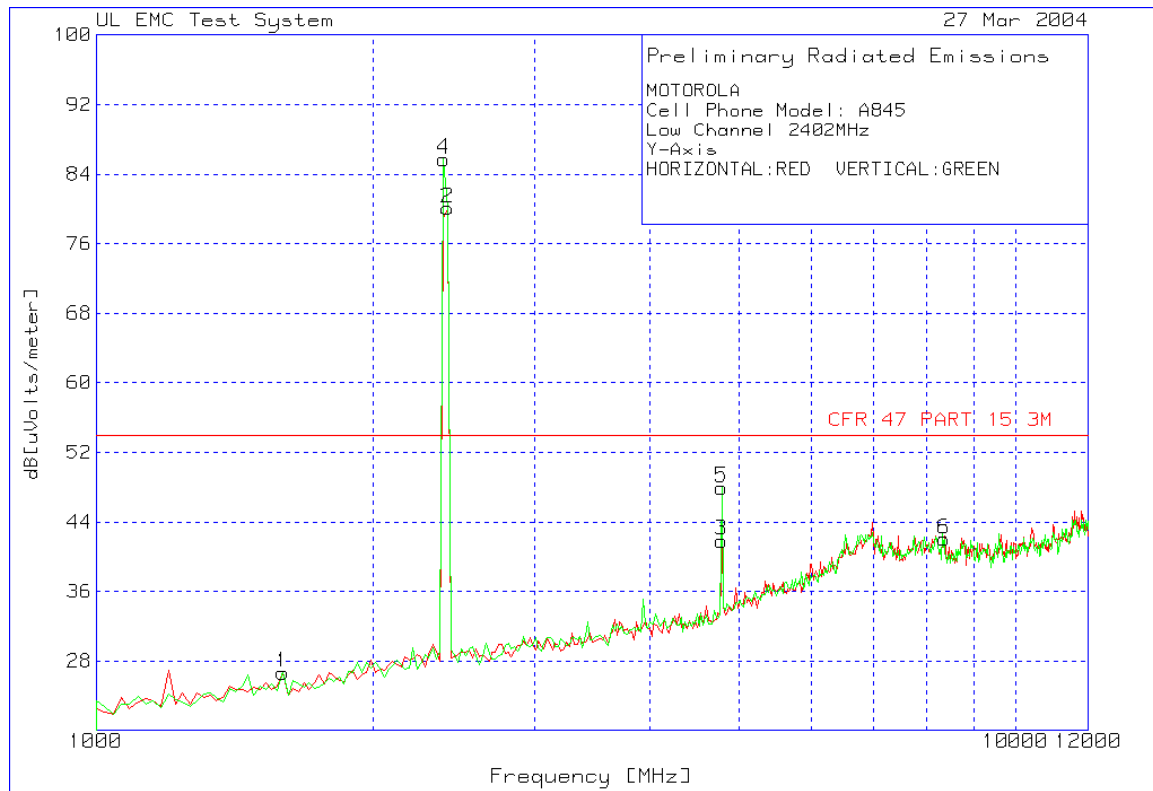
qp - Quasi-Peak detector

av - Average detector

avlg - Average log detector

avem - EMI Average detector

Note: Peaks 2 and 3 are the fundamental emission. The plot and table incorrectly show non-compliance.



### 1-12 GHz Low Channel Dual Polarization Y

MOTOROLA  
Cell Phone Model: A845  
Low Channel 2402MHz  
Y-Axis

HORIZONTAL: RED VERTICAL: GREEN

| Marker Number              | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Loss Factor [dB] | Transducer Factor [dB] | Level dB[uVolts/meter] | Limit 1 | Margin 1[c Height [cn | Polarity |
|----------------------------|----------------------|------------------------|---------------|-----------------------|------------------------|------------------------|---------|-----------------------|----------|
| Horizontal 1000 - 12000MHz |                      |                        |               |                       |                        |                        |         |                       |          |
| 1                          | 1595.19              | 57.56                  | pk            | -57.9                 | 27                     | 26.66                  | 54      | -27.34                | 101 Horz |
| 2                          | 2410.822             | 105.98                 | pk            | -54.7                 | 28.8                   | 80.08                  | 54      | 26.08                 | 101 Horz |
| 3                          | 4791.583             | 61.26                  | pk            | -53.1                 | 33.7                   | 41.86                  | 54      | -12.14                | 101 Horz |
| Vertical 1000 - 12000MHz   |                      |                        |               |                       |                        |                        |         |                       |          |
| 4                          | 2388.778             | 111.6                  | pk            | -54.6                 | 28.7                   | 85.7                   | 54      | 31.7                  | 101 Vert |
| 5                          | 4791.583             | 67.33                  | pk            | -53.1                 | 33.7                   | 47.93                  | 54      | -6.07                 | 101 Vert |
| 6                          | 8362.725             | 54.63                  | pk            | -50.7                 | 38.1                   | 42.03                  | 54      | -11.97                | 101 Vert |

LIMIT 1: CFR 47 PART 15 3M

LIMIT 2: NONE

LIMIT 3: NONE

LIMIT 4: NONE

LIMIT 5: NONE

LIMIT 6: NONE

pk - Peak detector

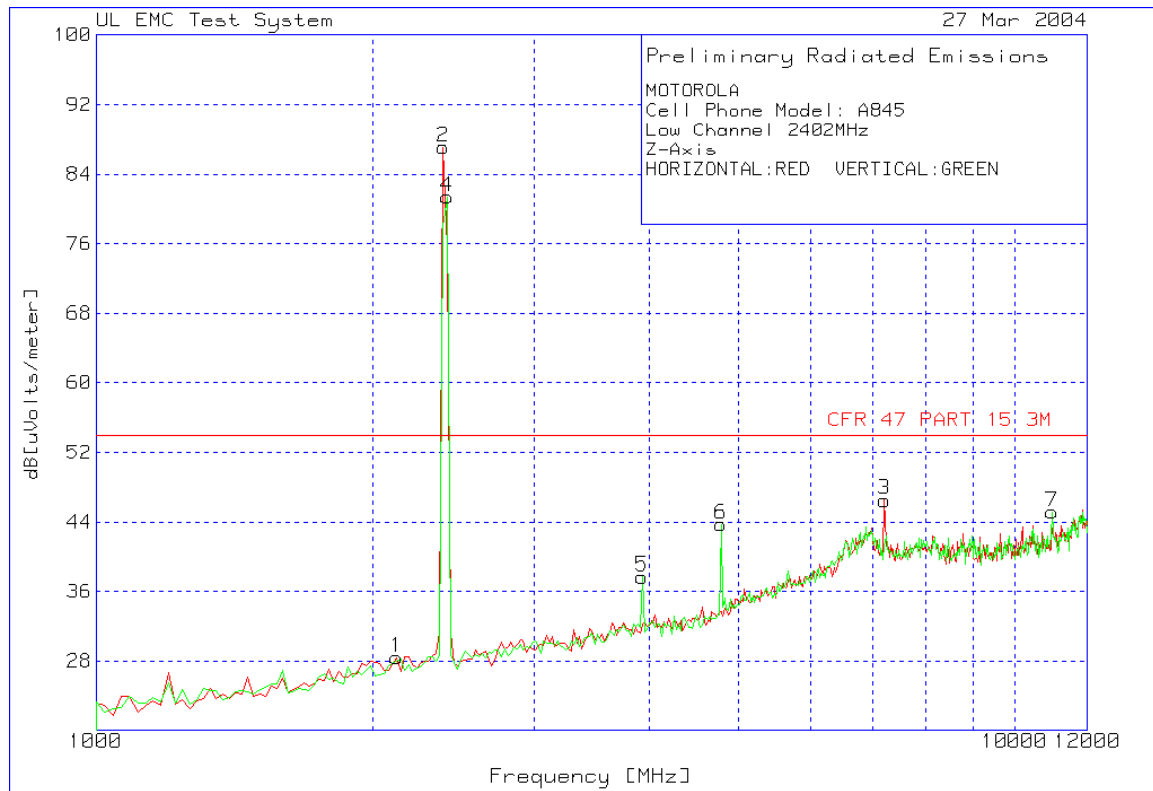
qp - Quasi-Peak detector

av - Average detector

avlg - Average log detector

avem - EMI Average detector

Note: Peaks 2 and 4 are the fundamental emission. The plot and table incorrectly show non-compliance.



### 1-12 GHz Low Channel Dual Polarization Z

MOTOROLA  
Cell Phone Model: A845  
Low Channel 2402MHz  
Z-Axis

HORIZONTAL: RED VERTICAL: GREEN

| Marker Number              | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Factor [dB] | Loss/Factor [dB] | Transducer Level [dB] | Limit 1 [dB] | Margin 1 [dB] | Height [cm] | Polarity |
|----------------------------|----------------------|------------------------|---------------|------------------|------------------|-----------------------|--------------|---------------|-------------|----------|
| Horizontal 1000 - 12000MHz |                      |                        |               |                  |                  |                       |              |               |             |          |
| 1                          | 2124.248             | 55.68                  | pk            | -55.7            | 28.4             | 28.38                 | 54           | -25.62        | 101         | Horz     |
| 2                          | 2388.778             | 112.99                 | pk            | -54.6            | 28.7             | 87.09                 | 54           | 33.09         | 101         | Horz     |
| 3                          | 7216.433             | 58.93                  | pk            | -48.9            | 36.5             | 46.53                 | 54           | -7.47         | 101         | Horz     |
| Vertical 1000 - 12000MHz   |                      |                        |               |                  |                  |                       |              |               |             |          |
| 4                          | 2410.822             | 107.29                 | pk            | -54.7            | 28.8             | 81.39                 | 54           | 27.39         | 101         | Vert     |
| 5                          | 3931.864             | 59.66                  | pk            | -54.5            | 32.5             | 37.66                 | 54           | -16.34        | 101         | Vert     |
| 6                          | 4791.583             | 63.1                   | pk            | -53.1            | 33.7             | 43.7                  | 54           | -10.3         | 101         | Vert     |
| 7                          | 10985.97             | 54.34                  | pk            | -47.8            | 38.6             | 45.14                 | 54           | -8.86         | 101         | Vert     |

LIMIT 1: CFR 47 PART 15 3M

LIMIT 2: NONE

LIMIT 3: NONE

LIMIT 4: NONE

LIMIT 5: NONE

LIMIT 6: NONE

pk - Peak detector

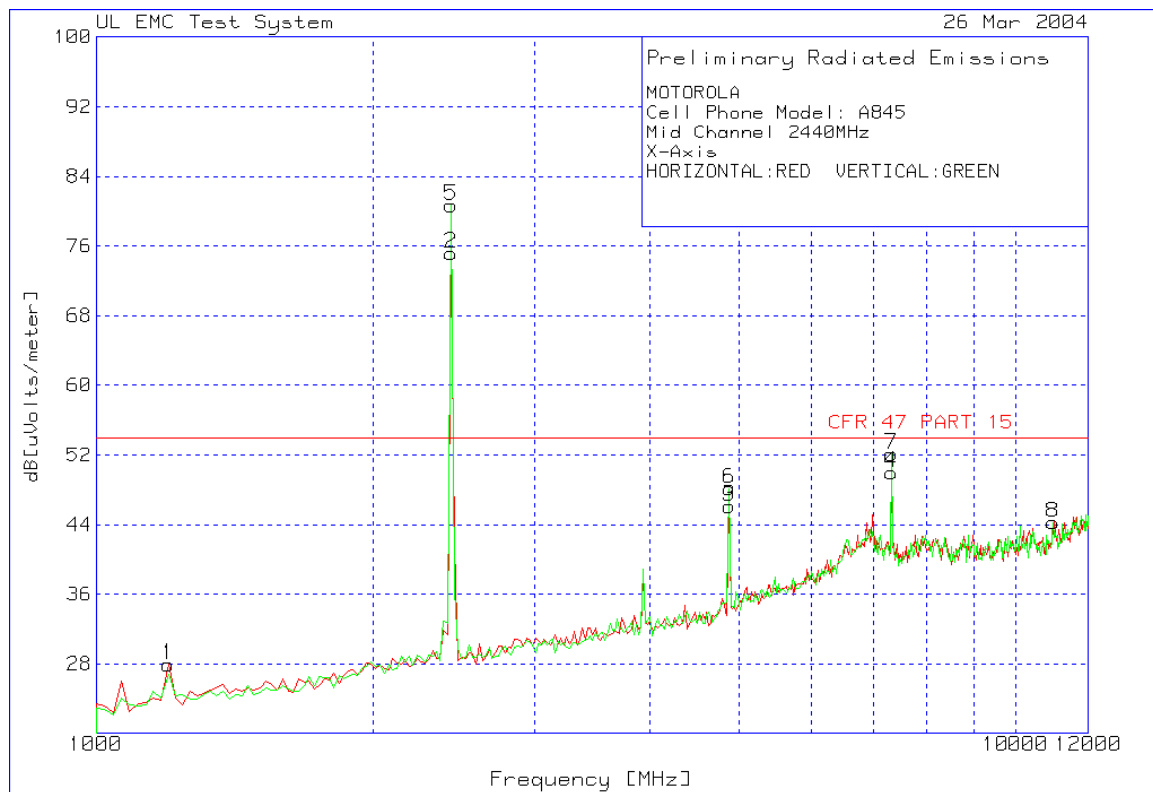
qp - Quasi-Peak detector

av - Average detector

avlg - Average log detector

avem - EMI Average detector

Note: Peaks 2 and 4 are the fundamental emission. The plot and table incorrectly show non-compliance.



### 1-12 GHz Mid Channel Dual Polarization X

MOTOROLA  
Cell Phone Model: A845  
Mid Channel 2440MHz  
X-Axis

HORIZONTAL:RED VERTICAL:GREEN

| Marker Number              | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Factor [dB] | Loss/Factor [dB] | Transducer Level [dB(uVolts/meter)] | Limit 1 | Margin 1[c] | Height [cn] | Polarity |
|----------------------------|----------------------|------------------------|---------------|------------------|------------------|-------------------------------------|---------|-------------|-------------|----------|
| Horizontal 1000 - 12000MHz |                      |                        |               |                  |                  |                                     |         |             |             |          |
| 1                          | 1198.397             | 61.62                  | pk            | -59.4            | 25.7             | 27.92                               | 54      | -26.08      |             | 101 Horz |
| 2                          | 2432.866             | 101.17                 | pk            | -54.8            | 28.8             | 75.17                               | 54      | 21.17       |             | 101 Horz |
| 3                          | 4879.759             | 65.53                  | pk            | -53.3            | 33.9             | 46.13                               | 54      | -7.87       |             | 101 Horz |
| 4                          | 7326.653             | 61.37                  | pk            | -47.9            | 36.5             | 49.97                               | 54      | -4.03       |             | 101 Horz |
| Vertical 1000 - 12000MHz   |                      |                        |               |                  |                  |                                     |         |             |             |          |
| 5                          | 2432.866             | 106.66                 | pk            | -54.8            | 28.8             | 80.66                               | 54      | 26.66       |             | 101 Vert |
| 6                          | 4879.759             | 67.53                  | pk            | -53.3            | 33.9             | 48.13                               | 54      | -5.87       |             | 101 Vert |
| 7                          | 7326.653             | 63.49                  | pk            | -47.9            | 36.5             | 52.09                               | 54      | -1.91       |             | 101 Vert |
| 8                          | 10985.97             | 53.42                  | pk            | -47.8            | 38.6             | 44.22                               | 54      | -9.78       |             | 101 Vert |

LIMIT 1: CFR 47 PART 15

LIMIT 2: NONE

LIMIT 3: NONE

LIMIT 4: NONE

LIMIT 5: NONE

LIMIT 6: NONE

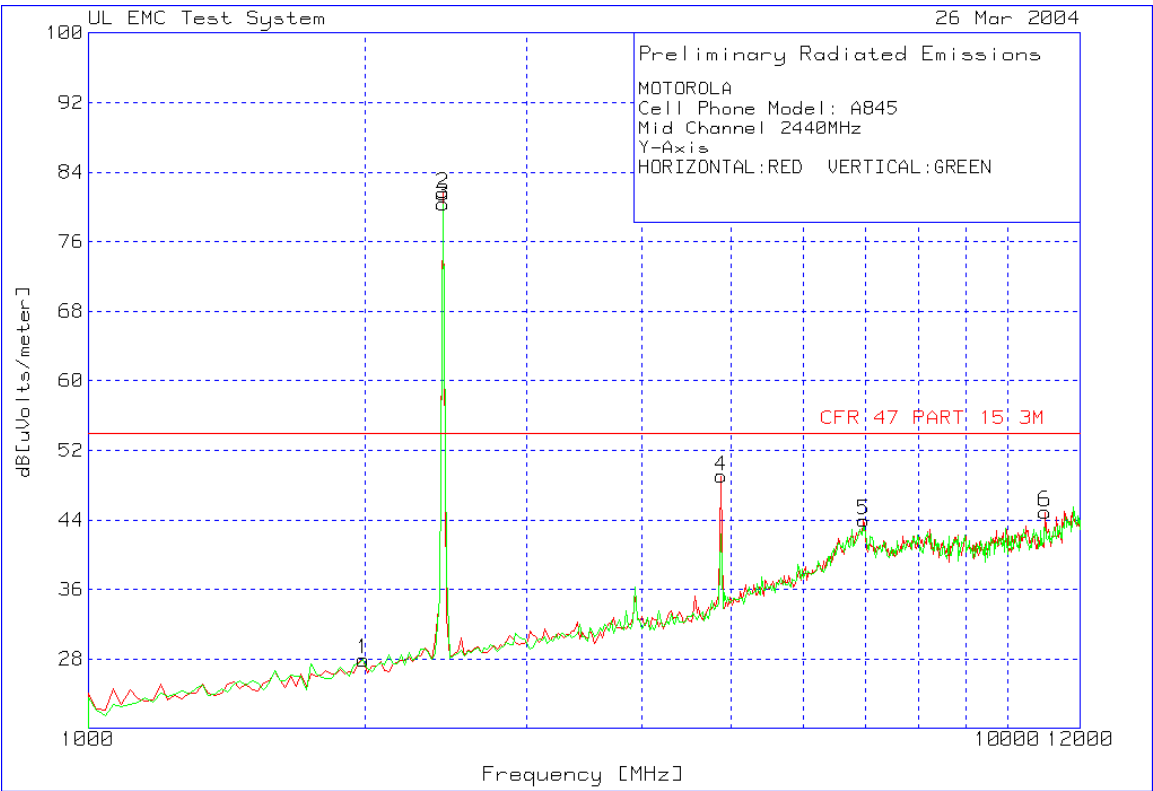
pk - Peak detector

qp - Quasi-Peak detector

av - Average detector

avlg - Average log detector

Note: Peaks 2 and 5 are the fundamental emission. The plot and table incorrectly show non-compliance.



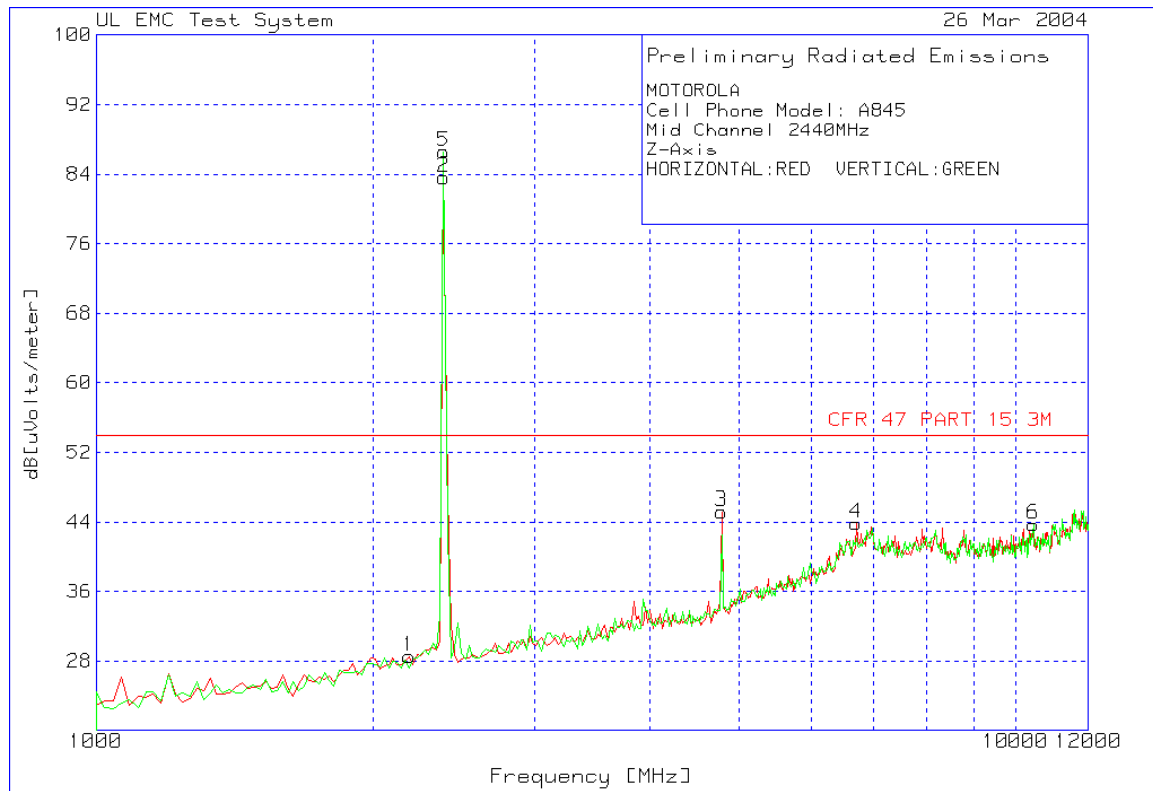
1-12 GHz Mid Channel Dual Polarization Y

| MOTOROLA                        |                      |                        |               |                  |                  |                       |              |                                |
|---------------------------------|----------------------|------------------------|---------------|------------------|------------------|-----------------------|--------------|--------------------------------|
| Cell Phone Model: A845          |                      |                        |               |                  |                  |                       |              |                                |
| Mid Channel 2440MHz             |                      |                        |               |                  |                  |                       |              |                                |
| Y-Axis                          |                      |                        |               |                  |                  |                       |              |                                |
| HORIZONTAL: RED VERTICAL: GREEN |                      |                        |               |                  |                  |                       |              |                                |
| Marker Number                   | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain Factor [dB] | Loss Factor [dB] | Transducer Level [dB] | Limit 1 [dB] | Margin 1[c Height [cn Polarity |
| Horizontal 1000 - 12000MHz      |                      |                        |               |                  |                  |                       |              |                                |
| 1                               | 1991.984             | 55.17                  | pk            | -55.4            | 28.2             | 27.97                 | 54           | -26.03 101 Horz                |
| 2                               | 2432.866             | 107.54                 | pk            | -54.8            | 28.8             | 81.54                 | 54           | 27.54 101 Horz                 |
| 4                               | 4879.759             | 68.44                  | pk            | -53.3            | 33.9             | 49.04                 | 54           | -4.96 101 Horz                 |
| 5                               | 6973.948             | 56.25                  | pk            | -48.8            | 36.5             | 43.95                 | 54           | -10.05 101 Horz                |
| 6                               | 10985.97             | 54.11                  | pk            | -47.8            | 38.6             | 44.91                 | 54           | -9.09 101 Horz                 |
| Vertical 1000 - 12000MHz        |                      |                        |               |                  |                  |                       |              |                                |
| 3                               | 2432.866             | 106.35                 | pk            | -54.8            | 28.8             | 80.35                 | 54           | 26.35 101 Vert                 |

LIMIT 1: CFR 47 PART 15.3M  
 LIMIT 2: NONE  
 LIMIT 3: NONE  
 LIMIT 4: NONE  
 LIMIT 5: NONE  
 LIMIT 6: NONE

pk - Peak detector  
 qp - Quasi-Peak detector  
 av - Average detector  
 avlg - Average log detector  
 avem - EMI Average detector

Note: Peaks 2 and 3 are the fundamental emission. The plot and table incorrectly show non-compliance.



### 1-12 GHz Mid Channel Dual Polarization Z

MOTOROLA  
Cell Phone Model: A845  
Mid Channel 2440MHz  
Z-Axis

HORIZONTAL: RED VERTICAL: GREEN

| Marker Number              | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Loss Factor [dB] | Transducer Level [dB] | Limit 1 [dB] | Margin 1 [dB] | Height [cm] | Polarity |
|----------------------------|----------------------|------------------------|---------------|-----------------------|-----------------------|--------------|---------------|-------------|----------|
| Horizontal 1000 - 12000MHz |                      |                        |               |                       |                       |              |               |             |          |
| 1                          | 2190.381             | 55.21 pk               |               | -55.2                 | 28.5                  | 28.51        | 54            | -25.49      | 101 Horz |
| 2                          | 2388.778             | 109.52 pk              |               | -54.6                 | 28.7                  | 83.62        | 54            | 29.62       | 101 Horz |
| 3                          | 4791.583             | 64.57 pk               |               | -53.1                 | 33.7                  | 45.17        | 54            | -8.83       | 101 Horz |
| 4                          | 6709.419             | 56.52 pk               |               | -48.3                 | 35.6                  | 43.82        | 54            | -10.18      | 101 Horz |
| Vertical 1000 - 12000MHz   |                      |                        |               |                       |                       |              |               |             |          |
| 5                          | 2388.778             | 112.48 pk              |               | -54.6                 | 28.7                  | 86.58        | 54            | 32.58       | 101 Vert |
| 6                          | 10456.91             | 53.59 pk               |               | -48.4                 | 38.5                  | 43.69        | 54            | -10.31      | 101 Vert |

LIMIT 1: CFR 47 PART 15.3M

LIMIT 2: NONE

LIMIT 3: NONE

LIMIT 4: NONE

LIMIT 5: NONE

LIMIT 6: NONE

pk - Peak detector

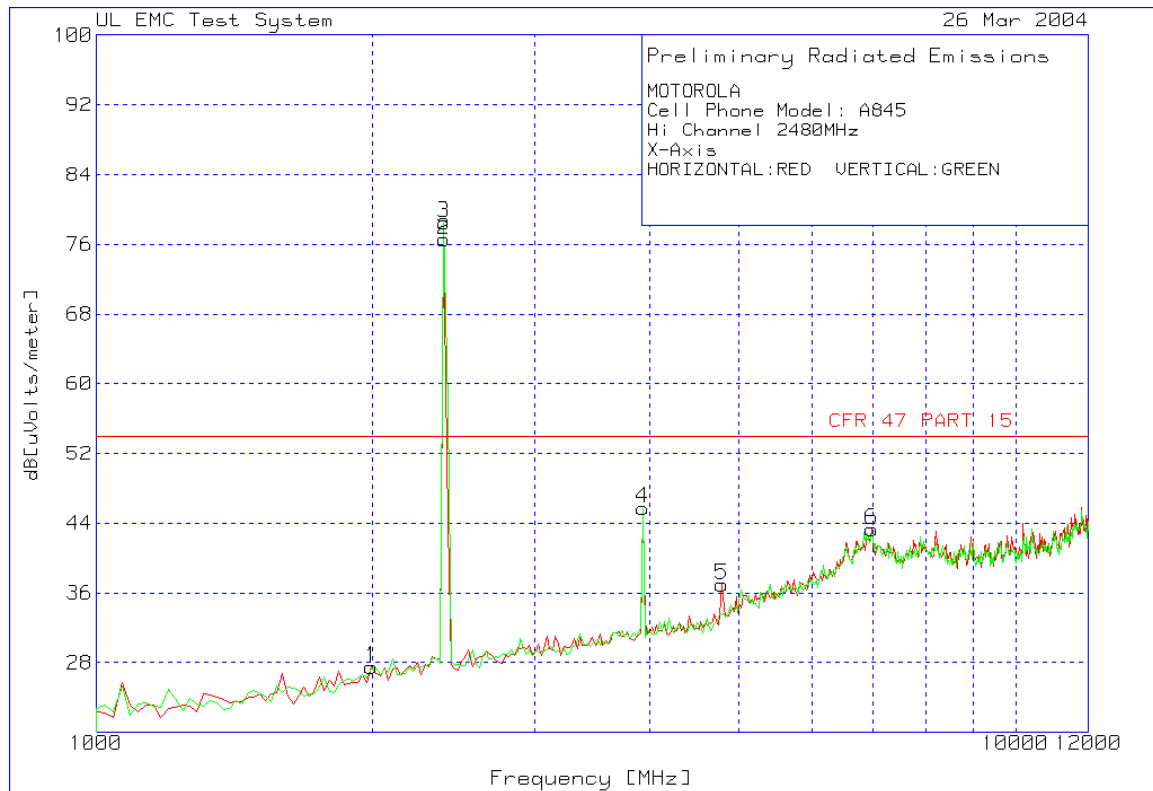
qp - Quasi-Peak detector

av - Average detector

avlg - Average log detector

avem - EMI Average detector

Note: Peaks 2 and 5 are the fundamental emission. The plot and table incorrectly show non-compliance.



### 1-12 GHz High Channel Dual Polarization X

MOTOROLA  
Cell Phone Model: A845  
Hi Channel 2480MHz  
X-Axis

HORIZONTAL: RED VERTICAL: GREEN

| Marker Number              | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Loss Factor [dB] | Transducer Factor [dB] | Level dB[uVolts/meter] | Limit 1 | Margin 1[c Height [cn | Polarity |
|----------------------------|----------------------|------------------------|---------------|-----------------------|------------------------|------------------------|---------|-----------------------|----------|
| Horizontal 1000 - 12000MHz |                      |                        |               |                       |                        |                        |         |                       |          |
| 1                          | 1991.984             | 54.68                  | pk            | -55.4                 | 28.2                   | 27.48                  | 54      | -26.52                | 101 Horz |
| 2                          | 2388.778             | 102.49                 | pk            | -54.6                 | 28.7                   | 76.59                  | 54      | 22.59                 | 101 Horz |
| 5                          | 4791.583             | 56.33                  | pk            | -53.1                 | 33.7                   | 36.93                  | 54      | -17.07                | 101 Horz |
| 6                          | 6973.948             | 55.59                  | pk            | -48.8                 | 36.5                   | 43.29                  | 54      | -10.71                | 101 Horz |
| Vertical 1000 - 12000MHz   |                      |                        |               |                       |                        |                        |         |                       |          |
| 3                          | 2388.778             | 104.38                 | pk            | -54.6                 | 28.7                   | 78.48                  | 54      | 24.48                 | 101 Vert |
| 4                          | 3931.864             | 67.71                  | pk            | -54.5                 | 32.5                   | 45.71                  | 54      | -8.29                 | 101 Vert |

LIMIT 1: CFR 47 PART 15

LIMIT 2: NONE

LIMIT 3: NONE

LIMIT 4: NONE

LIMIT 5: NONE

LIMIT 6: NONE

pk - Peak detector

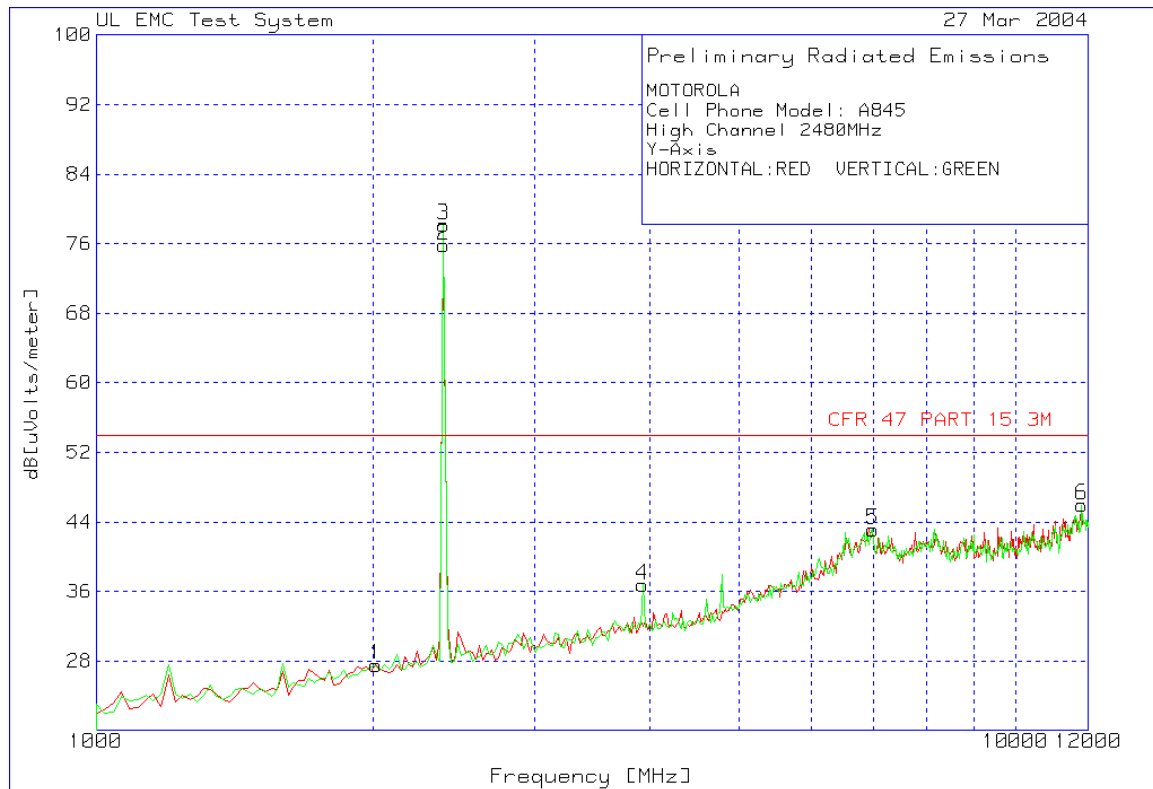
qp - Quasi-Peak detector

av - Average detector

avlg - Average log detector

avem - EMI Average detector

Note: Peaks 2 and 3 are the fundamental emission. The plot and table incorrectly show non-compliance.



### 1-12 GHz High Channel Dual Polarization Y

MOTOROLA  
Cell Phone Model: A845  
High Channel 2480MHz  
Y-Axis

HORIZONTAL: RED VERTICAL: GREEN

| Marker Number              | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Loss Factor [dB] | Transducer Factor [dB] | Level dB[uVolts/meter] | Limit 1 | Margin 1[c Height [cn | Polarity |
|----------------------------|----------------------|------------------------|---------------|-----------------------|------------------------|------------------------|---------|-----------------------|----------|
| Horizontal 1000 - 12000MHz |                      |                        |               |                       |                        |                        |         |                       |          |
| 1                          | 2014.028             | 54.88 pk               |               | -55.5                 | 28.2                   | 27.58                  | 54      | -26.42                | 101 Horz |
| 2                          | 2388.778             | 101.78 pk              |               | -54.6                 | 28.7                   | 75.88                  | 54      | 21.88                 | 101 Horz |
| Vertical 1000 - 12000MHz   |                      |                        |               |                       |                        |                        |         |                       |          |
| 3                          | 2388.778             | 104.05 pk              |               | -54.6                 | 28.7                   | 78.15                  | 54      | 24.15                 | 101 Vert |
| 4                          | 3931.864             | 58.74 pk               |               | -54.5                 | 32.5                   | 36.74                  | 54      | -17.26                | 101 Vert |
| 5                          | 6995.992             | 54.72 pk               |               | -48.2                 | 36.6                   | 43.12                  | 54      | -10.88                | 101 Vert |
| 6                          | 11801.6              | 54.14 pk               |               | -47.8                 | 39.6                   | 45.94                  | 54      | -8.06                 | 101 Vert |

LIMIT 1: CFR 47 PART 15.3M

LIMIT 2: NONE

LIMIT 3: NONE

LIMIT 4: NONE

LIMIT 5: NONE

LIMIT 6: NONE

pk - Peak detector

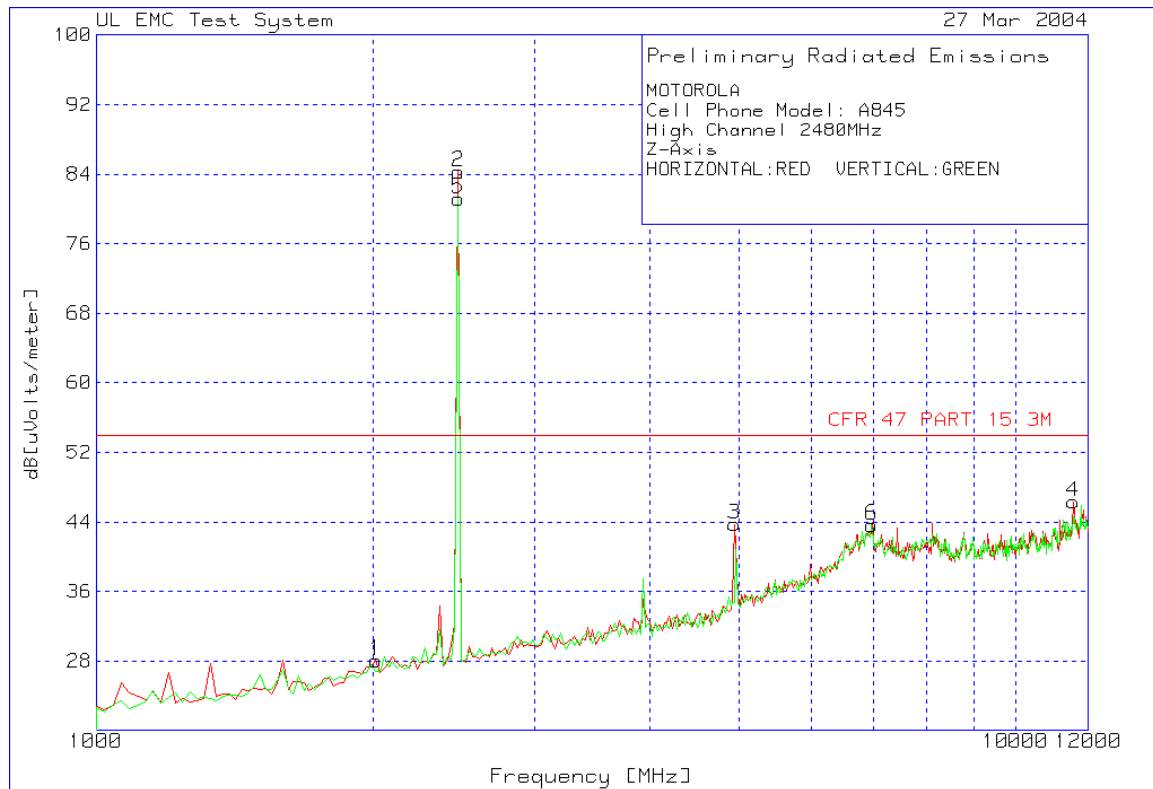
qp - Quasi-Peak detector

av - Average detector

avlg - Average log detector

avem - EMI Average detector

Note: Peaks 2 and 3 are the fundamental emission. The plot and table incorrectly show non-compliance.



### 1-12 GHz High Channel Dual Polarization Z

MOTOROLA  
Cell Phone Model: A845  
High Channel 2480MHz  
Z-Axis

HORIZONTAL: RED VERTICAL: GREEN

| Marker Number              | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Loss Factor [dB] | Transducer Factor [dB] | Level dB[uVolts/meter] | Limit 1 | Margin 1[c Height [cn | Polarity |
|----------------------------|----------------------|------------------------|---------------|-----------------------|------------------------|------------------------|---------|-----------------------|----------|
| Horizontal 1000 - 12000MHz |                      |                        |               |                       |                        |                        |         |                       |          |
| 1                          | 2014.028             | 55.36                  | pk            | -55.5                 | 28.2                   | 28.06                  | 54      | -25.94                | 101 Horz |
| 2                          | 2476.954             | 109.9                  | pk            | -54.5                 | 28.9                   | 84.3                   | 54      | 30.3                  | 101 Horz |
| 3                          | 4945.892             | 62.92                  | pk            | -53.3                 | 34.1                   | 43.72                  | 54      | -10.28                | 101 Horz |
| 4                          | 11559.12             | 54.91                  | pk            | -48                   | 39.4                   | 46.31                  | 54      | -7.69                 | 101 Horz |
| Vertical 1000 - 12000MHz   |                      |                        |               |                       |                        |                        |         |                       |          |
| 5                          | 2476.954             | 106.78                 | pk            | -54.5                 | 28.9                   | 81.18                  | 54      | 27.18                 | 101 Vert |
| 6                          | 6973.948             | 55.93                  | pk            | -48.8                 | 36.5                   | 43.63                  | 54      | -10.37                | 101 Vert |

LIMIT 1: CFR 47 PART 15.3M

LIMIT 2: NONE

LIMIT 3: NONE

LIMIT 4: NONE

LIMIT 5: NONE

LIMIT 6: NONE

pk - Peak detector

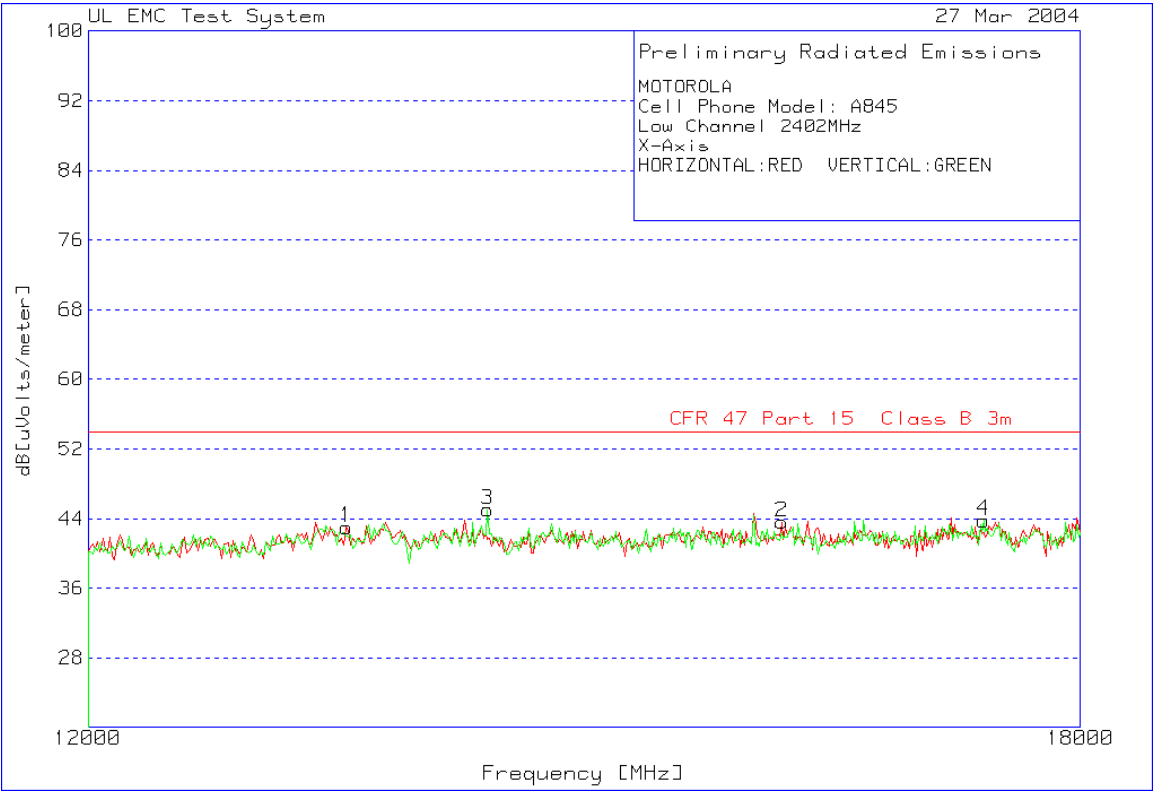
qp - Quasi-Peak detector

av - Average detector

avlg - Average log detector

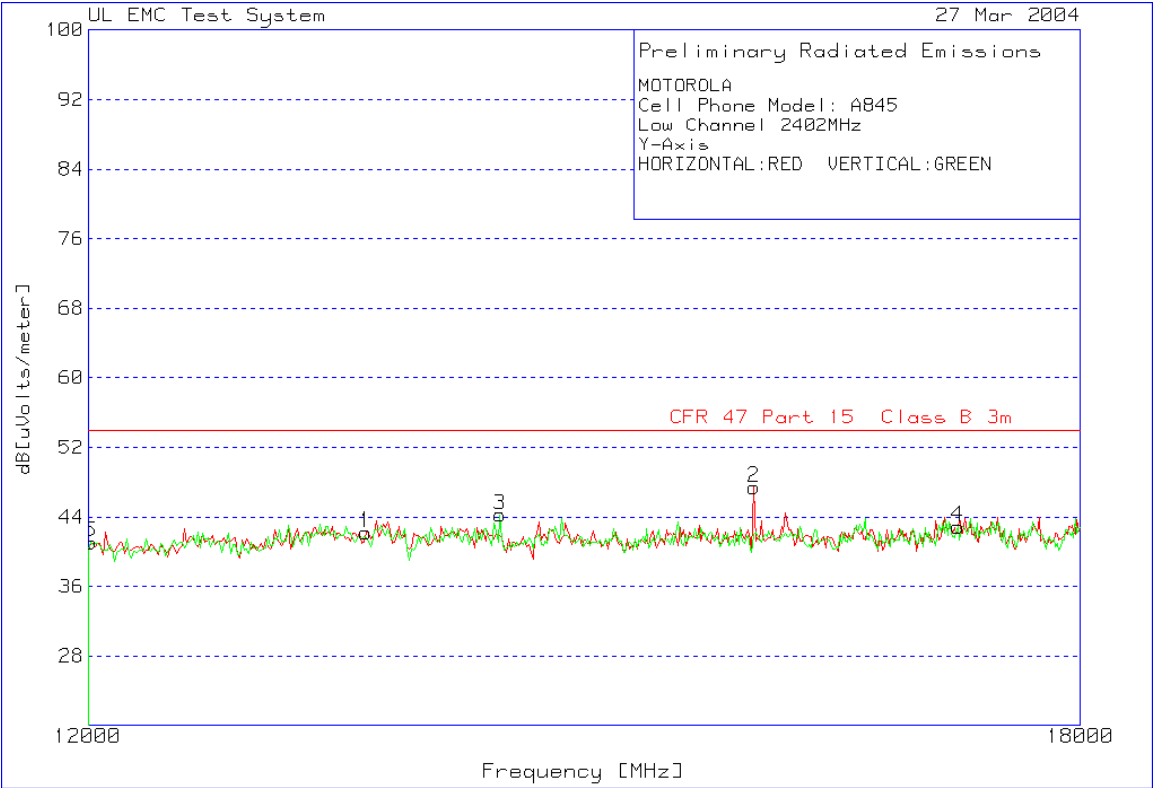
avem - EMI Average detector

Note: Peaks 2 and 5 are the fundamental emission. The plot and table incorrectly show non-compliance.



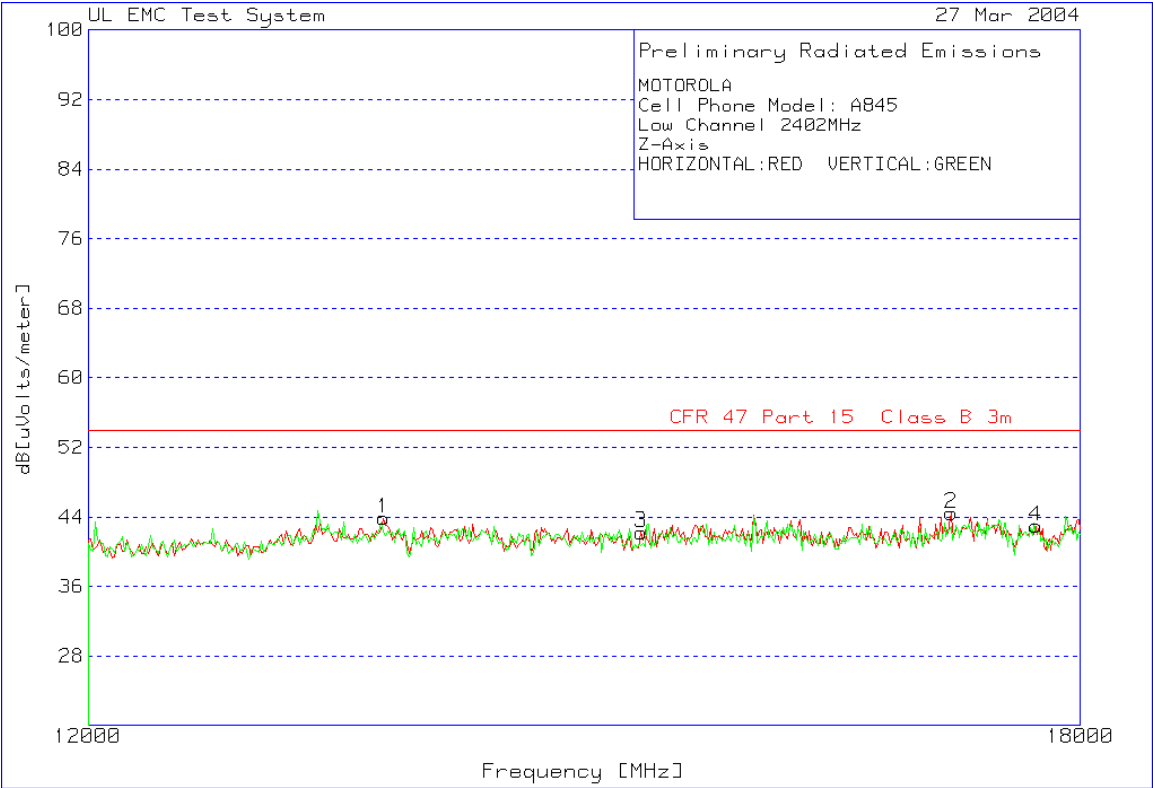
12-18 GHz Low Channel Dual Polarization X

| MOTOROLA<br>Cell Phone Model: A845<br>Low Channel 2402MHz<br>X-Axis<br>HORIZONTAL:RED VERTICAL:GREEN                                  |                      |                        |               |                  |                  |                                   |         |                       |          |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|---------------|------------------|------------------|-----------------------------------|---------|-----------------------|----------|
| Marker Number                                                                                                                         | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain Factor [dB] | Loss Factor [dB] | Transducer Level dB[uVolts/meter] | Limit 1 | Margin 1[c Height [cn | Polarity |
| Horizontal 12000 - 18000MHz                                                                                                           |                      |                        |               |                  |                  |                                   |         |                       |          |
| 1                                                                                                                                     | 13334.67             | 48.78                  | pk            | -45.6            | 39.8             | 42.98                             | 54      | -11.02                | 101 Horz |
| 2                                                                                                                                     | 15931.86             | 46.18                  | pk            | -42.5            | 39.9             | 43.58                             | 54      | -10.42                | 101 Horz |
| Vertical 12000 - 18000MHz                                                                                                             |                      |                        |               |                  |                  |                                   |         |                       |          |
| 3                                                                                                                                     | 14128.26             | 49.6                   | pk            | -44.5            | 39.9             | 45                                | 54      | -9                    | 101 Vert |
| 4                                                                                                                                     | 17302.61             | 45.58                  | pk            | -42              | 40.2             | 43.78                             | 54      | -10.22                | 101 Vert |
| LIMIT 1: CFR 47 Part 15 Class B 3m<br>LIMIT 2: NONE<br>LIMIT 3: NONE<br>LIMIT 4: NONE<br>LIMIT 5: NONE<br>LIMIT 6: NONE               |                      |                        |               |                  |                  |                                   |         |                       |          |
| pk - Peak detector<br>qp - Quasi-Peak detector<br>av - Average detector<br>avlg - Average log detector<br>avem - EMI Average detector |                      |                        |               |                  |                  |                                   |         |                       |          |



12-18 GHz Low Channel Dual Polarization Y

| MOTOROLA<br>Cell Phone Model: A845<br>Low Channel 2402MHz<br>Y-Axis<br>HORIZONTAL:RED VERTICAL:GREEN                                  |                      |                        |               |                  |                  |                                     |         |            |                      |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|---------------|------------------|------------------|-------------------------------------|---------|------------|----------------------|
| Marker Number                                                                                                                         | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Factor [dB] | Loss/Factor [dB] | Transducer Level [dB(uVolts/meter)] | Limit 1 | Marg 1 [c] | Height [cm] Polarity |
| Horizontal 12000 - 18000MHz                                                                                                           |                      |                        |               |                  |                  |                                     |         |            |                      |
| 1                                                                                                                                     | 13442.89             | 48.14                  | pk            | -45.7            | 39.8             | 42.24                               | 54      | -11.76     | 101 Horz             |
| 2                                                                                                                                     | 15751.5              | 49.71                  | pk            | -42.3            | 40               | 47.41                               | 54      | -6.59      | 101 Horz             |
| Vertical 12000 - 18000MHz                                                                                                             |                      |                        |               |                  |                  |                                     |         |            |                      |
| 3                                                                                                                                     | 14200.4              | 47.82                  | pk            | -43.5            | 39.9             | 44.22                               | 54      | -9.78      | 101 Vert             |
| 4                                                                                                                                     | 17122.24             | 43.99                  | pk            | -41.4            | 40.3             | 42.89                               | 54      | -11.11     | 101 Vert             |
| 5                                                                                                                                     | 12012.02             | 50.79                  | pk            | -49.1            | 39.4             | 41.09                               | 54      | -12.91     | 101 Vert             |
| LIMIT 1: CFR 47 Part 15 Class B 3m<br>LIMIT 2: NONE<br>LIMIT 3: NONE<br>LIMIT 4: NONE<br>LIMIT 5: NONE<br>LIMIT 6: NONE               |                      |                        |               |                  |                  |                                     |         |            |                      |
| pk - Peak detector<br>qp - Quasi-Peak detector<br>av - Average detector<br>avlg - Average log detector<br>avem - EMI Average detector |                      |                        |               |                  |                  |                                     |         |            |                      |



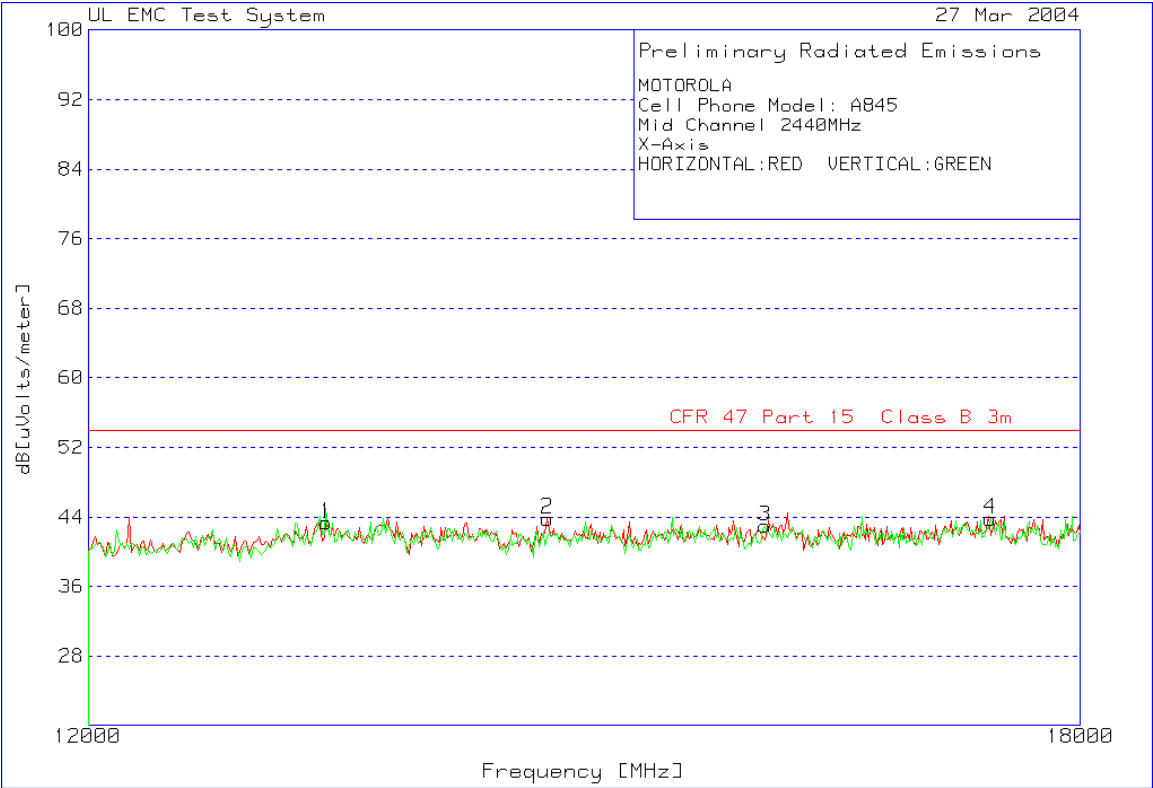
12-18 GHz Low Channel Dual Polarization Z

MOTOROLA  
 Cell Phone Model: A845  
 Low Channel 2402MHz  
 Z-Axis

| HORIZONTAL:RED VERTICAL:GREEN |           |          |          |           |            |                  |         |          |          |    |          |
|-------------------------------|-----------|----------|----------|-----------|------------|------------------|---------|----------|----------|----|----------|
| Marker                        | Test      | Meter    | Detector | Gain/Loss | Transducer | Level            | Limit 1 | Margin 1 | c Height | cn | Polarity |
| Number                        | Frequency | Reading  | Type     | Factor    | Factor     | dB[uVolts/meter] |         |          |          |    |          |
|                               | [MHz]     | [dB(uV)] |          | [dB]      | [dB]       |                  |         |          |          |    |          |
| Horizontal 12000 - 18000MHz   |           |          |          |           |            |                  |         |          |          |    |          |
| 1                             | 13539.08  | 50.23    | pk       | -46.2     | 39.8       | 43.83            | 54      | -10.17   |          |    | 101 Horz |
| 2                             | 17074.15  | 46.12    | pk       | -42       | 40.3       | 44.42            | 54      | -9.58    |          |    | 101 Horz |
| 3                             | 15042.08  | 45.2     | pk       | -42.8     | 39.8       | 42.2             | 54      | -11.8    |          |    | 101 Horz |
| 4                             | 17675.35  | 43.44    | pk       | -40.5     | 40         | 42.94            | 54      | -11.06   |          |    | 101 Horz |

LIMIT 1: CFR 47 Part 15 Class B 3m  
 LIMIT 2: NONE  
 LIMIT 3: NONE  
 LIMIT 4: NONE  
 LIMIT 5: NONE  
 LIMIT 6: NONE

pk - Peak detector  
 qp - Quasi-Peak detector  
 av - Average detector  
 avlg - Average log detector  
 avem - EMI Average detector

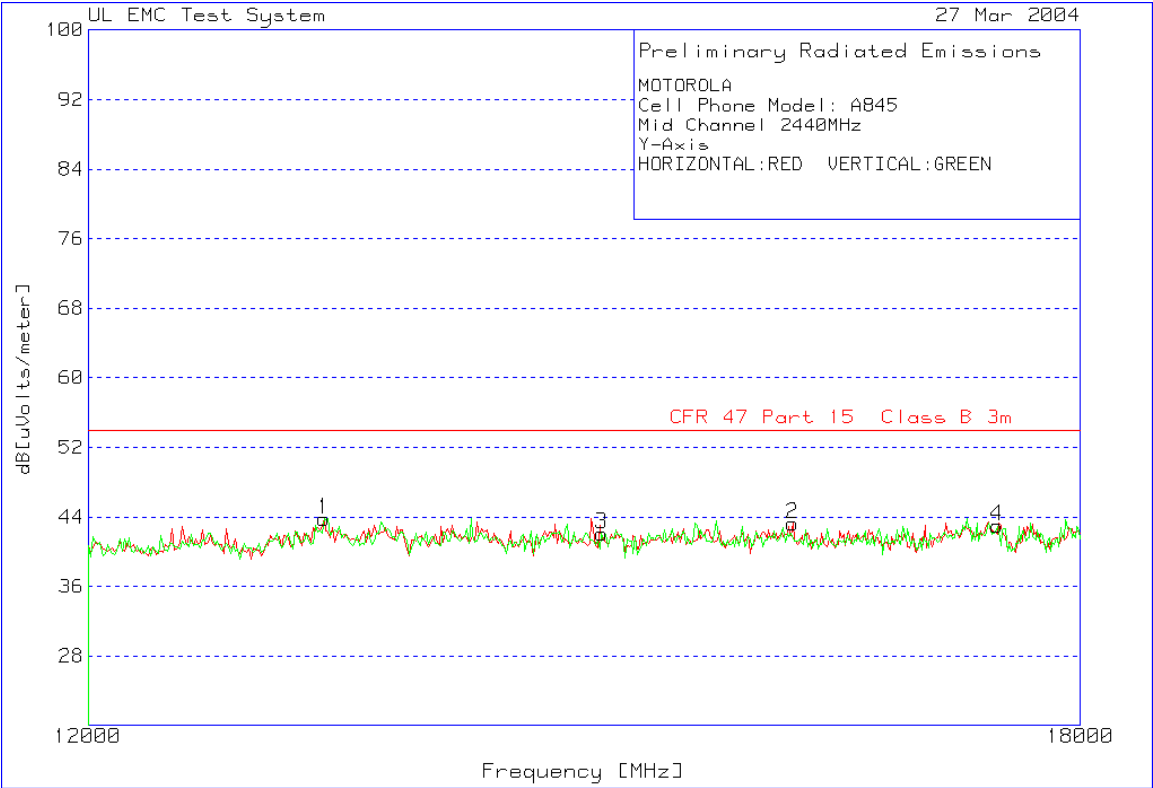


12-18 GHz Mid Channel Dual Polarization X

| MOTOROLA                      |                      |                        |               |                       |                        |                        |         |             |                     |
|-------------------------------|----------------------|------------------------|---------------|-----------------------|------------------------|------------------------|---------|-------------|---------------------|
| Cell Phone Model: A845        |                      |                        |               |                       |                        |                        |         |             |                     |
| Mid Channel 2440MHz           |                      |                        |               |                       |                        |                        |         |             |                     |
| X-Axis                        |                      |                        |               |                       |                        |                        |         |             |                     |
| HORIZONTAL:RED VERTICAL:GREEN |                      |                        |               |                       |                        |                        |         |             |                     |
| Marker Number                 | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Loss Factor [dB] | Transducer Factor [dB] | Level dB[uVolts/meter] | Limit 1 | Margin 1[c] | Height [cn Polarity |
| Horizontal 12000 - 18000MHz   |                      |                        |               |                       |                        |                        |         |             |                     |
| 1                             | 13226.45             | 48.93                  | pk            | -45.4                 | 39.8                   | 43.33                  | 54      | -10.67      | 101                 |
| 2                             | 14476.95             | 47.4                   | pk            | -43.4                 | 39.8                   | 43.8                   | 54      | -10.2       | 101                 |
| Vertical 12000 - 18000MHz     |                      |                        |               |                       |                        |                        |         |             |                     |
| 3                             | 15823.65             | 45.33                  | pk            | -42.4                 | 40                     | 42.93                  | 54      | -11.07      | 101                 |
| 4                             | 17350.7              | 45.3                   | pk            | -41.6                 | 40.1                   | 43.8                   | 54      | -10.2       | 101                 |

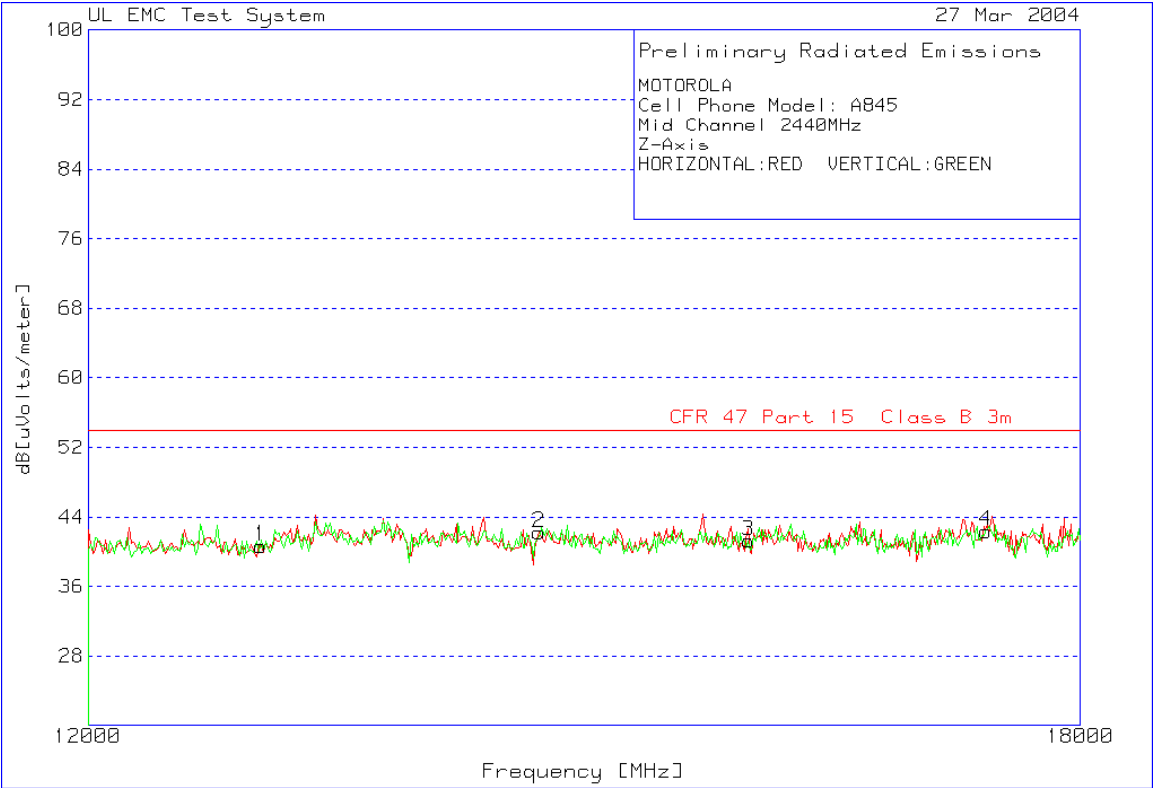
LIMIT 1: CFR 47 Part 15 Class B 3m  
 LIMIT 2: NONE  
 LIMIT 3: NONE  
 LIMIT 4: NONE  
 LIMIT 5: NONE  
 LIMIT 6: NONE

pk - Peak detector  
 qp - Quasi-Peak detector  
 av - Average detector  
 avlg - Average log detector  
 avem - EMI Average detector



12-18 GHz Mid Channel Dual Polarization Y

| MOTOROLA<br>Cell Phone Model: A845<br>Mid Channel 2440MHz<br>Y-Axis<br>HORIZONTAL:RED VERTICAL:GREEN                                  |                      |                        |               |                  |                  |                                   |         |            |                      |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|---------------|------------------|------------------|-----------------------------------|---------|------------|----------------------|
| Marker Number                                                                                                                         | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain Factor [dB] | Loss Factor [dB] | Transducer Level dB[uVolts/meter] | Limit 1 | Margin 1[c | Height [cm] Polarity |
| Horizontal 12000 - 18000MHz                                                                                                           |                      |                        |               |                  |                  |                                   |         |            |                      |
| 1                                                                                                                                     | 13214.43             | 49.49                  | pk            | -45.5            | 39.8             | 43.79                             | 54      | -10.21     | 101 Horz             |
| 2                                                                                                                                     | 16004.01             | 45.05                  | pk            | -41.7            | 39.9             | 43.25                             | 54      | -10.75     | 101 Horz             |
| Vertical 12000 - 18000MHz                                                                                                             |                      |                        |               |                  |                  |                                   |         |            |                      |
| 3                                                                                                                                     | 14801.6              | 45.2                   | pk            | -42.9            | 39.8             | 42.1                              | 54      | -11.9      | 101 Vert             |
| 4                                                                                                                                     | 17398.8              | 43.76                  | pk            | -40.9            | 40.1             | 42.96                             | 54      | -11.04     | 101 Vert             |
| LIMIT 1: CFR 47 Part 15 Class B 3m<br>LIMIT 2: NONE<br>LIMIT 3: NONE<br>LIMIT 4: NONE<br>LIMIT 5: NONE<br>LIMIT 6: NONE               |                      |                        |               |                  |                  |                                   |         |            |                      |
| pk - Peak detector<br>qp - Quasi-Peak detector<br>av - Average detector<br>avlg - Average log detector<br>avem - EMI Average detector |                      |                        |               |                  |                  |                                   |         |            |                      |

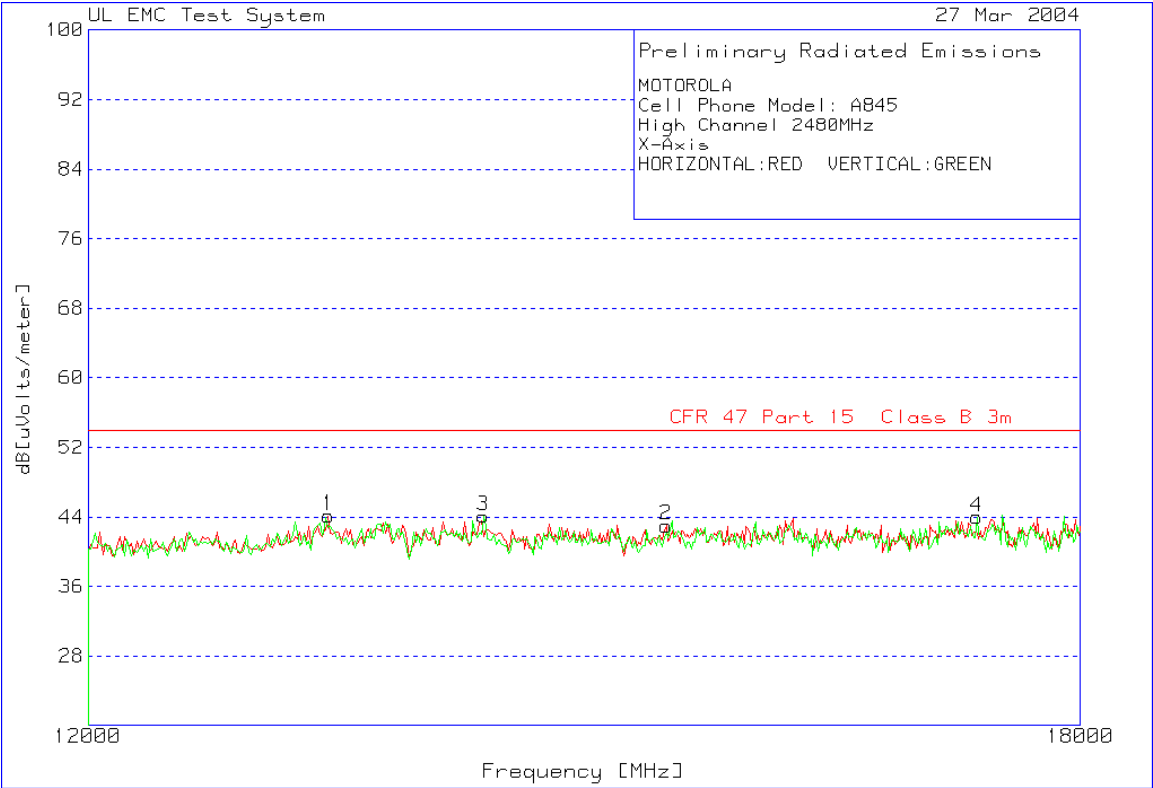


12-18 GHz Mid Channel Dual Polarization Z

| MOTOROLA<br>Cell Phone Model: A845<br>Mid Channel 2440MHz<br>Z-Axis<br>HORIZONTAL:RED VERTICAL:GREEN |                      |                        |               |                  |                  |                       |              |               |                      |
|------------------------------------------------------------------------------------------------------|----------------------|------------------------|---------------|------------------|------------------|-----------------------|--------------|---------------|----------------------|
| Marker Number                                                                                        | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Factor [dB] | Loss/Factor [dB] | Transducer Level [dB] | Limit 1 [dB] | Margin 1 [dB] | Height [cm] Polarity |
| Horizontal 12000 - 18000MHz                                                                          |                      |                        |               |                  |                  |                       |              |               |                      |
| 1                                                                                                    | 12877.76             | 48.78                  | pk            | -47.8            | 39.7             | 40.68                 | 54           | -13.32        | 101 Horz             |
| 2                                                                                                    | 14428.86             | 45.69                  | pk            | -43.3            | 39.8             | 42.19                 | 54           | -11.81        | 101 Horz             |
| Vertical 12000 - 18000MHz                                                                            |                      |                        |               |                  |                  |                       |              |               |                      |
| 3                                                                                                    | 15715.43             | 43.55                  | pk            | -42.3            | 40               | 41.25                 | 54           | -12.75        | 101 Vert             |
| 4                                                                                                    | 17314.63             | 44.18                  | pk            | -41.9            | 40.1             | 42.38                 | 54           | -11.62        | 101 Vert             |

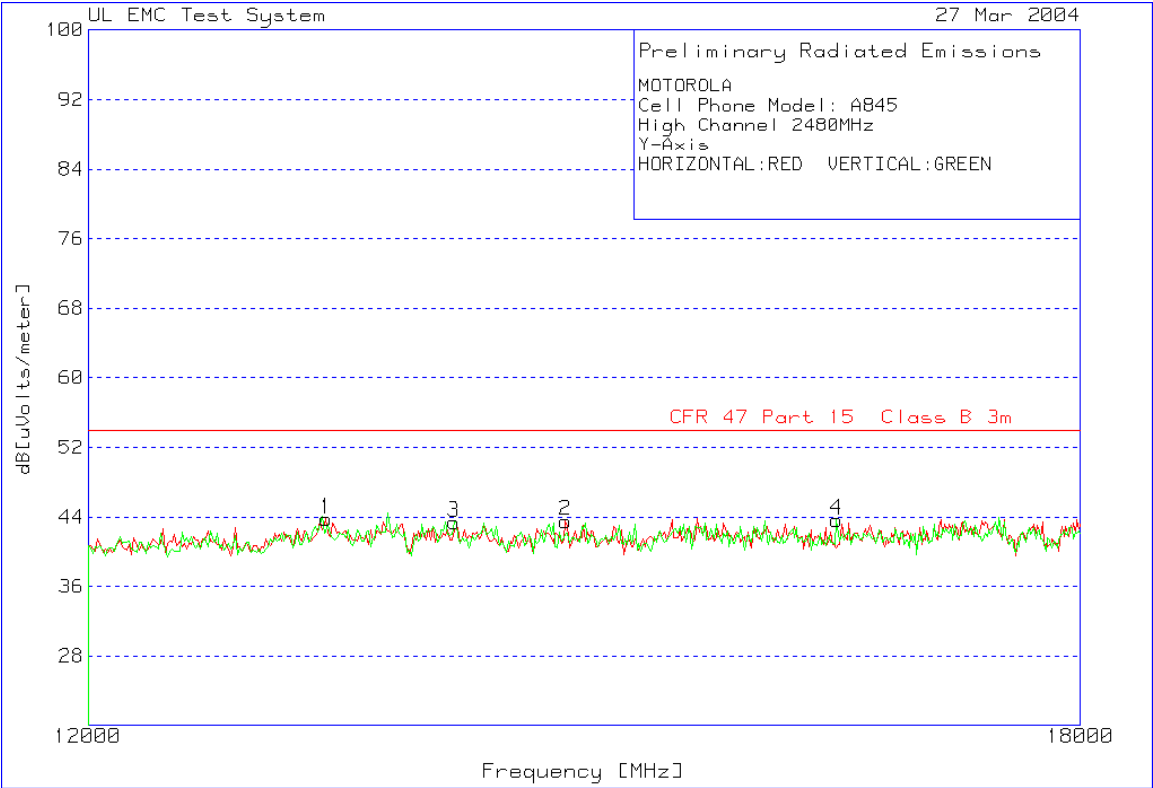
LIMIT 1: CFR 47 Part 15 Class B 3m  
 LIMIT 2: NONE  
 LIMIT 3: NONE  
 LIMIT 4: NONE  
 LIMIT 5: NONE  
 LIMIT 6: NONE

pk - Peak detector  
 qp - Quasi-Peak detector  
 av - Average detector  
 avlg - Average log detector  
 avem - EMI Average detector



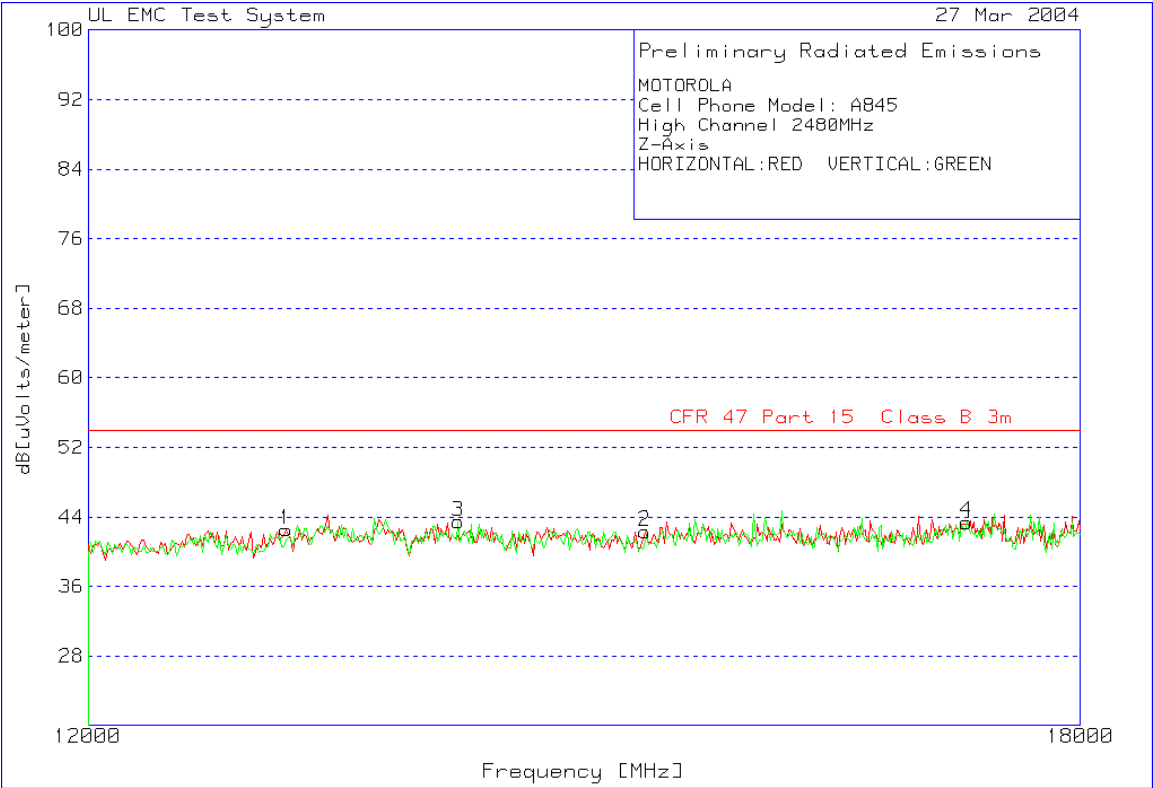
18-25 GHz High Channel Dual Polarization X

| MOTOROLA<br>Cell Phone Model: A845<br>High Channel 2480MHz<br>X-Axis<br>HORIZONTAL:RED VERTICAL:GREEN                                 |                      |                        |               |                  |                  |                       |              |               |                      |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|---------------|------------------|------------------|-----------------------|--------------|---------------|----------------------|
| Marker Number                                                                                                                         | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Factor [dB] | Loss/Factor [dB] | Transducer Level [dB] | Limit 1 [dB] | Margin 1 [dB] | Height [cm] Polarity |
| Horizontal 18000 - 25000MHz                                                                                                           |                      |                        |               |                  |                  |                       |              |               |                      |
| 1                                                                                                                                     | 18799.6              | 72.14                  | pk            | -60.5            | 40.1             | 51.74                 | 54           | -2.26         | 101 Horz             |
| 2                                                                                                                                     | 24719.44             | 63.73                  | pk            | -58.6            | 40.3             | 45.43                 | 54           | -8.57         | 101 Horz             |
| Vertical 18000 - 25000MHz                                                                                                             |                      |                        |               |                  |                  |                       |              |               |                      |
| 3                                                                                                                                     | 19388.78             | 70.94                  | pk            | -60.6            | 40.3             | 50.64                 | 54           | -3.36         | 101 Vert             |
| 4                                                                                                                                     | 24621.24             | 64.75                  | pk            | -59              | 40.3             | 46.05                 | 54           | -7.95         | 101 Vert             |
| LIMIT 1: CFR 47 Part 15 Class B 3m<br>LIMIT 2: NONE<br>LIMIT 3: NONE<br>LIMIT 4: NONE<br>LIMIT 5: NONE<br>LIMIT 6: NONE               |                      |                        |               |                  |                  |                       |              |               |                      |
| pk - Peak detector<br>qp - Quasi-Peak detector<br>av - Average detector<br>avlg - Average log detector<br>avem - EMI Average detector |                      |                        |               |                  |                  |                       |              |               |                      |



18-25 GHz High Channel Dual Polarization Y

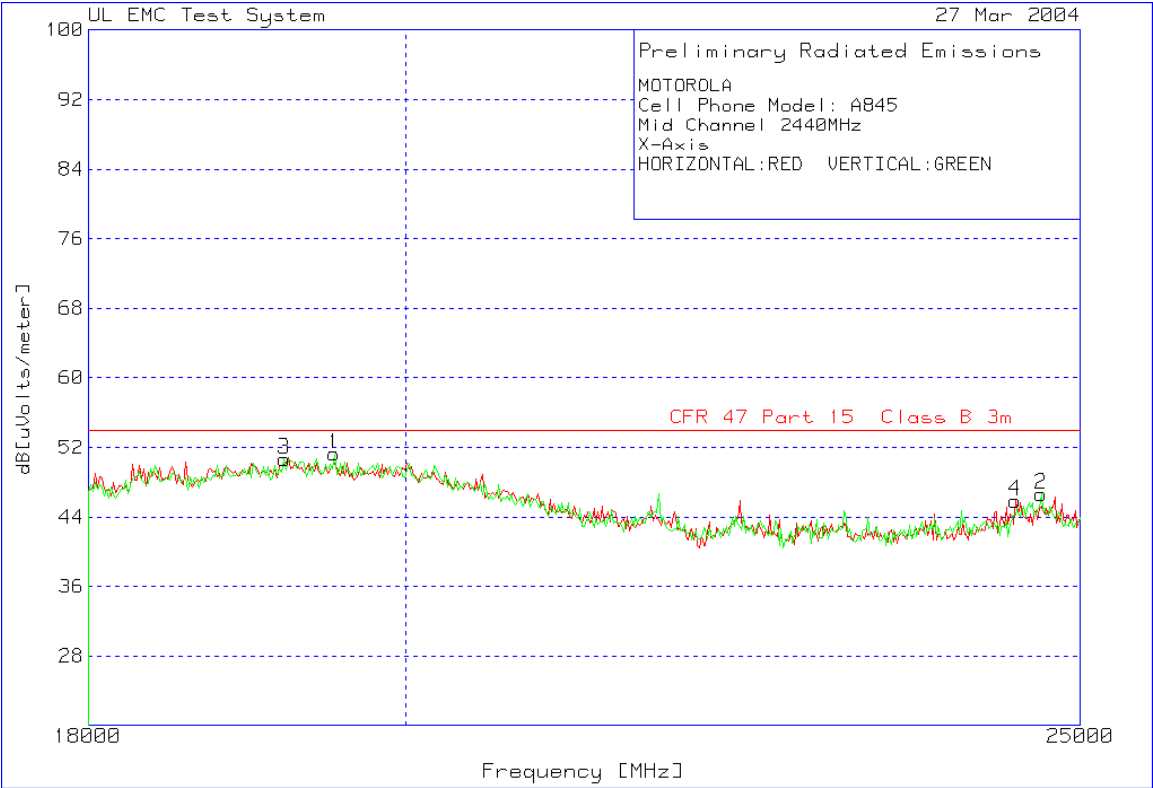
|                                    |           |          |          |           |            |                  |         |          |               |          |
|------------------------------------|-----------|----------|----------|-----------|------------|------------------|---------|----------|---------------|----------|
| MOTOROLA                           |           |          |          |           |            |                  |         |          |               |          |
| Cell Phone Model: A845             |           |          |          |           |            |                  |         |          |               |          |
| High Channel 2480MHz               |           |          |          |           |            |                  |         |          |               |          |
| Y-Axis                             |           |          |          |           |            |                  |         |          |               |          |
| HORIZONTAL:RED VERTICAL:GREEN      |           |          |          |           |            |                  |         |          |               |          |
| Marker                             | Test      | Meter    | Detector | Gain/Loss | Transducte | Level            | Limit 1 | Margin 1 | [c Height [cn | Polarity |
| Number                             | Frequency | Reading  | Type     | Factor    | Factor     | dB[uVolts/meter] |         |          |               |          |
|                                    | [MHz]     | [dB(uV)] |          | [dB]      | [dB]       |                  |         |          |               |          |
| Horizontal 18000 - 25000MHz        |           |          |          |           |            |                  |         |          |               |          |
|                                    | 1         | 19430.86 | 71.19 pk | -60.7     | 40.3       | 50.79            | 54      | -3.21    |               | 101 Horz |
|                                    | 2         | 24452.91 | 63.85 pk | -58.6     | 40.3       | 45.55            | 54      | -8.45    |               | 101 Horz |
| Vertical 18000 - 25000MHz          |           |          |          |           |            |                  |         |          |               |          |
|                                    | 3         | 19220.44 | 72.59 pk | -60.8     | 40.3       | 52.09            | 54      | -1.91    |               | 101 Vert |
|                                    | 4         | 24635.27 | 65.8 pk  | -58.9     | 40.3       | 47.2             | 54      | -6.8     |               | 101 Vert |
| LIMIT 1: CFR 47 Part 15 Class B 3m |           |          |          |           |            |                  |         |          |               |          |
| LIMIT 2: NONE                      |           |          |          |           |            |                  |         |          |               |          |
| LIMIT 3: NONE                      |           |          |          |           |            |                  |         |          |               |          |
| LIMIT 4: NONE                      |           |          |          |           |            |                  |         |          |               |          |
| LIMIT 5: NONE                      |           |          |          |           |            |                  |         |          |               |          |
| LIMIT 6: NONE                      |           |          |          |           |            |                  |         |          |               |          |
| pk - Peak detector                 |           |          |          |           |            |                  |         |          |               |          |
| qp - Quasi-Peak detector           |           |          |          |           |            |                  |         |          |               |          |
| av - Average detector              |           |          |          |           |            |                  |         |          |               |          |
| avlg - Average log detector        |           |          |          |           |            |                  |         |          |               |          |
| avem - EMI Average detector        |           |          |          |           |            |                  |         |          |               |          |



| MOTOROLA<br>Cell Phone Model: A845<br>High Channel 2480MHz<br>Z-Axis<br>HORIZONTAL:RED VERTICAL:GREEN |                      |                        |               |                  |                  |                       |              |        |             |
|-------------------------------------------------------------------------------------------------------|----------------------|------------------------|---------------|------------------|------------------|-----------------------|--------------|--------|-------------|
| Marker Number                                                                                         | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Factor [dB] | Loss/Factor [dB] | Transducer Level [dB] | Limit 1 [dB] | Metric | Height [cm] |
| Horizontal 18000 - 25000MHz                                                                           |                      |                        |               |                  |                  |                       |              |        |             |
| 1                                                                                                     | 19374.75             | 70.82                  | pk            | -60.7            | 40.3             | 50.42                 | 54           | -3.58  | 101 Horz    |
| 2                                                                                                     | 24747.5              | 63.3                   | pk            | -58.6            | 40.3             | 45                    | 54           | -9     | 101 Horz    |
| Vertical 18000 - 25000MHz                                                                             |                      |                        |               |                  |                  |                       |              |        |             |
| 3                                                                                                     | 19543.09             | 71.11                  | pk            | -61              | 40.3             | 50.41                 | 54           | -3.59  | 101 Vert    |
| 4                                                                                                     | 24677.36             | 64.39                  | pk            | -58.7            | 40.3             | 45.99                 | 54           | -8.01  | 101 Vert    |

LIMIT 1: CFR 47 Part 15 Class B 3m  
 LIMIT 2: NONE  
 LIMIT 3: NONE  
 LIMIT 4: NONE  
 LIMIT 5: NONE  
 LIMIT 6: NONE

pk - Peak detector  
 qp - Quasi-Peak detector  
 av - Average detector  
 avlg - Average log detector  
 avem - EMI Average detector

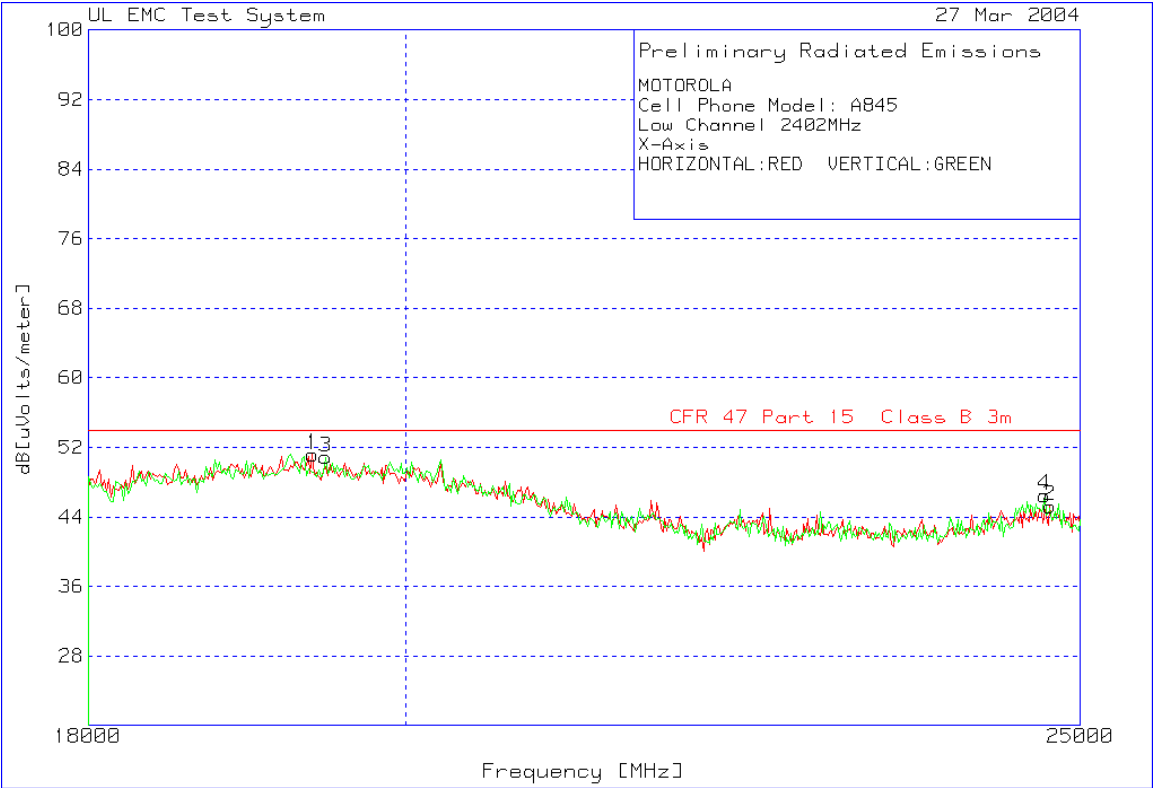


18-25 GHz Mid Channel Dual Polarization X

| MOTOROLA                      |                 |                  |          |             |             |                  |         |          |                      |
|-------------------------------|-----------------|------------------|----------|-------------|-------------|------------------|---------|----------|----------------------|
| Cell Phone Model: A845        |                 |                  |          |             |             |                  |         |          |                      |
| Mid Channel 2440MHz           |                 |                  |          |             |             |                  |         |          |                      |
| X-Axis                        |                 |                  |          |             |             |                  |         |          |                      |
| HORIZONTAL:RED VERTICAL:GREEN |                 |                  |          |             |             |                  |         |          |                      |
| Marker                        | Test            | Meter            | Detector | Gain/Loss   | Transducer  | Level            | Limit 1 | Margin 1 | Height [cm] Polarity |
| Number                        | Frequency [MHz] | Reading [dB(uV)] | Type     | Factor [dB] | Factor [dB] | dB[uVolts/meter] |         |          |                      |
| Horizontal 18000 - 25000MHz   |                 |                  |          |             |             |                  |         |          |                      |
| 4                             | 24466.93        | 64.16            | pk       | -58.6       | 40.3        | 45.86            | 54      | -8.14    | 101 Horz             |
| Vertical 18000 - 25000MHz     |                 |                  |          |             |             |                  |         |          |                      |
| 1                             | 19529.06        | 71.95            | pk       | -61         | 40.3        | 51.25            | 54      | -2.75    | 101 Vert             |
| 2                             | 24677.36        | 65.03            | pk       | -58.7       | 40.3        | 46.63            | 54      | -7.37    | 101 Vert             |
| 3                             | 19206.41        | 71.15            | pk       | -60.8       | 40.3        | 50.65            | 54      | -3.35    | 101 Vert             |

LIMIT 1: CFR 47 Part 15 Class B 3m  
 LIMIT 2: NONE  
 LIMIT 3: NONE  
 LIMIT 4: NONE  
 LIMIT 5: NONE  
 LIMIT 6: NONE

pk - Peak detector  
 qp - Quasi-Peak detector  
 av - Average detector  
 avlg - Average log detector  
 avem - EMI Average detector



18-25 GHz Low Channel Dual Polarization X

| MOTOROLA<br>Cell Phone Model: A845<br>Low Channel 2402MHz<br>X-Axis<br>HORIZONTAL:RED VERTICAL:GREEN                                  |                      |                        |               |                  |                  |                       |              |               |                      |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|---------------|------------------|------------------|-----------------------|--------------|---------------|----------------------|
| Marker Number                                                                                                                         | Test Frequency [MHz] | Meter Reading [dB(uV)] | Detector Type | Gain/Factor [dB] | Loss/Factor [dB] | Transducer Level [dB] | Limit 1 [dB] | Margin 1 [dB] | Height [cm] Polarity |
| Horizontal 18000 - 25000MHz                                                                                                           |                      |                        |               |                  |                  |                       |              |               |                      |
| 1                                                                                                                                     | 19388.78             | 71.46                  | pk            | -60.6            | 40.3             | 51.16                 | 54           | -2.84         | 101 Horz             |
| 2                                                                                                                                     | 24747.5              | 63.54                  | pk            | -58.6            | 40.3             | 45.24                 | 54           | -8.76         | 101 Horz             |
| Vertical 18000 - 25000MHz                                                                                                             |                      |                        |               |                  |                  |                       |              |               |                      |
| 3                                                                                                                                     | 19472.95             | 71.47                  | pk            | -60.9            | 40.3             | 50.87                 | 54           | -3.13         | 101 Vert             |
| 4                                                                                                                                     | 24705.41             | 64.77                  | pk            | -58.6            | 40.3             | 46.47                 | 54           | -7.53         | 101 Vert             |
| LIMIT 1: CFR 47 Part 15 Class B 3m<br>LIMIT 2: NONE<br>LIMIT 3: NONE<br>LIMIT 4: NONE<br>LIMIT 5: NONE<br>LIMIT 6: NONE               |                      |                        |               |                  |                  |                       |              |               |                      |
| pk - Peak detector<br>qp - Quasi-Peak detector<br>av - Average detector<br>avlg - Average log detector<br>avem - EMI Average detector |                      |                        |               |                  |                  |                       |              |               |                      |

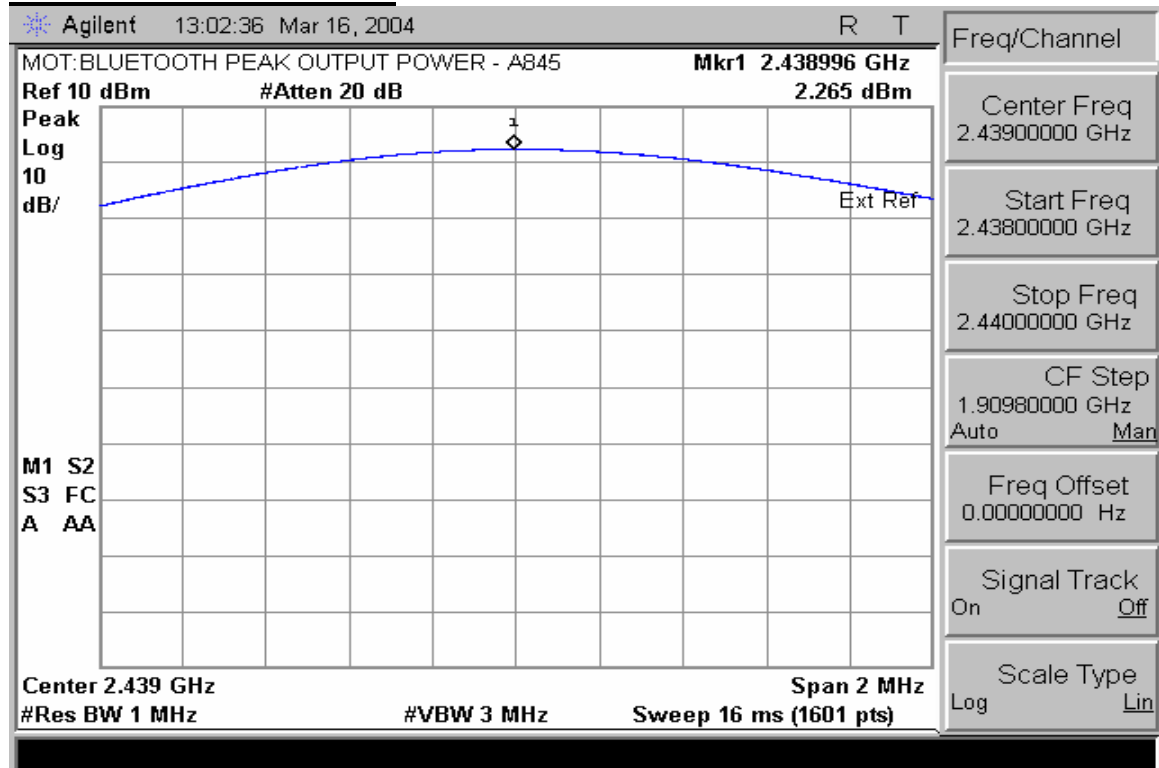
## PEAK OUTPUT POWER

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**

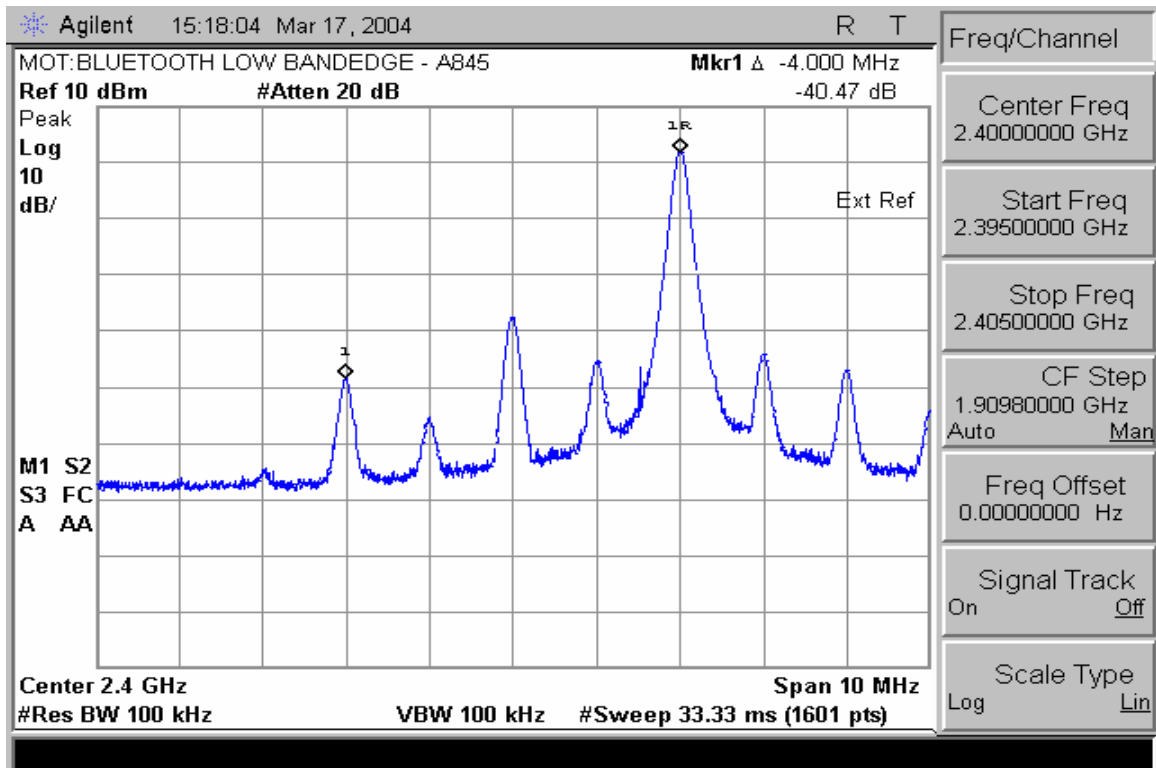
CFR 47 Part 15.247

### **Measurement Procedure**

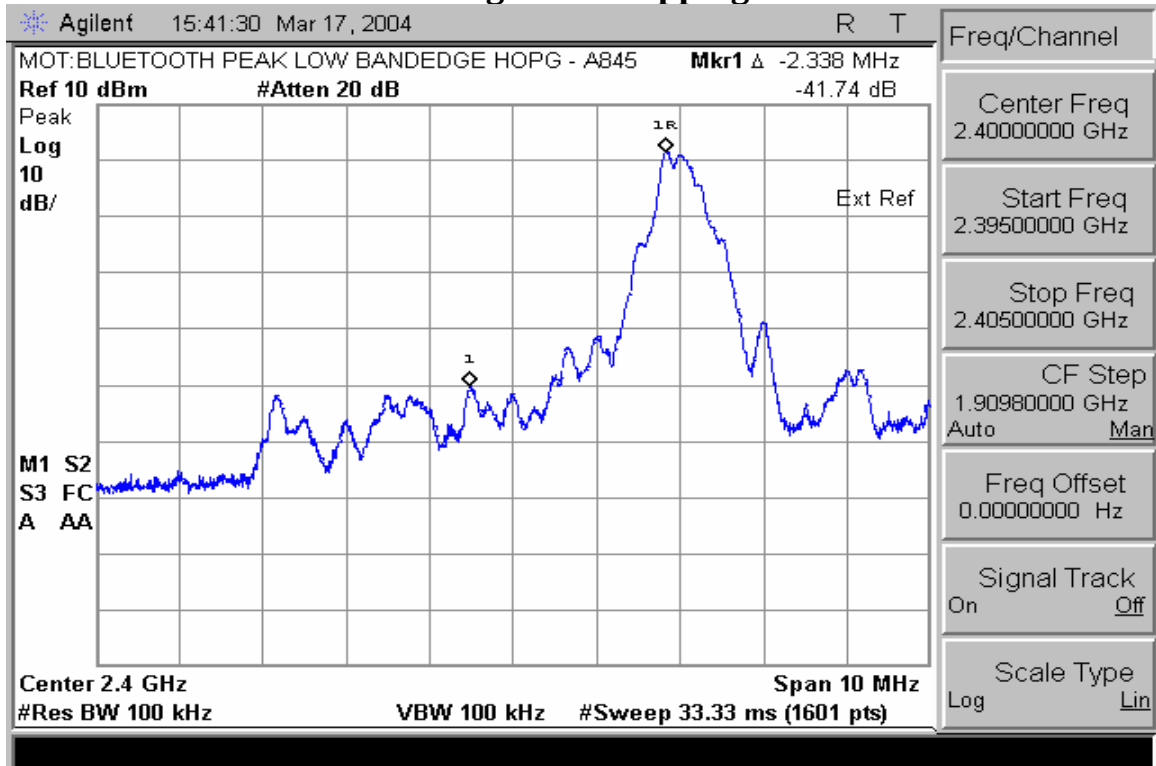
The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

### **Measurement Results**

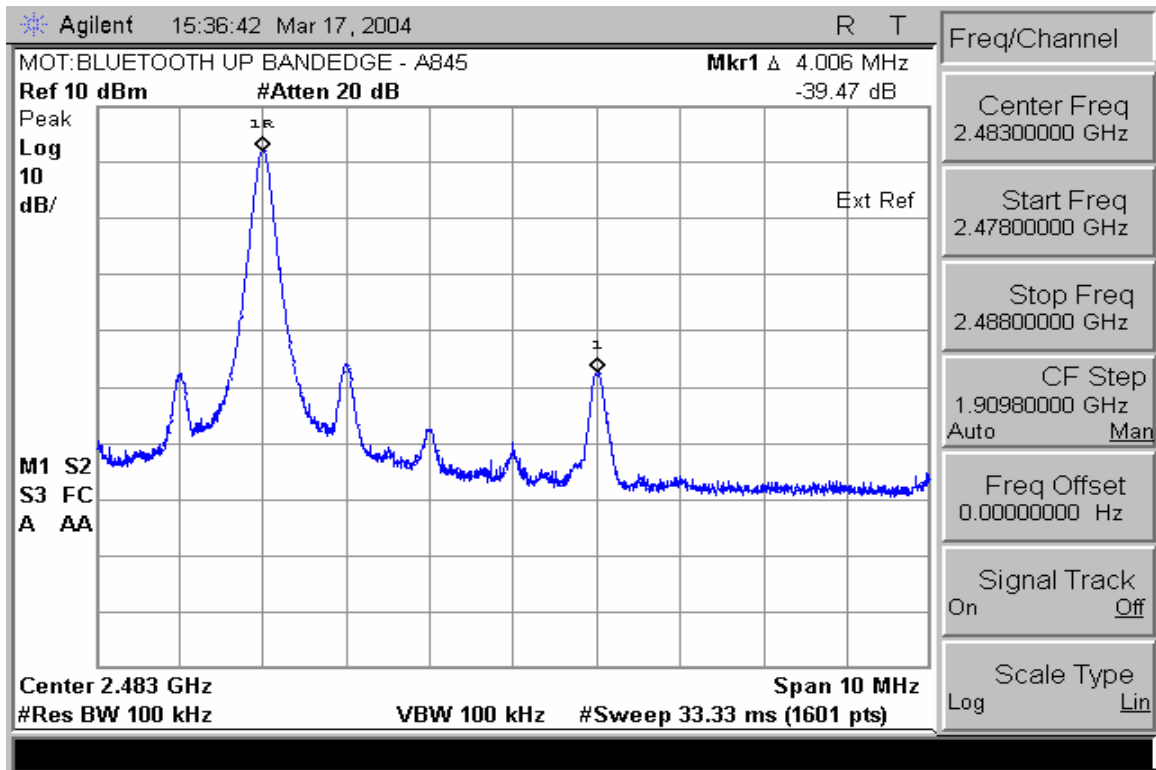
See Attached:



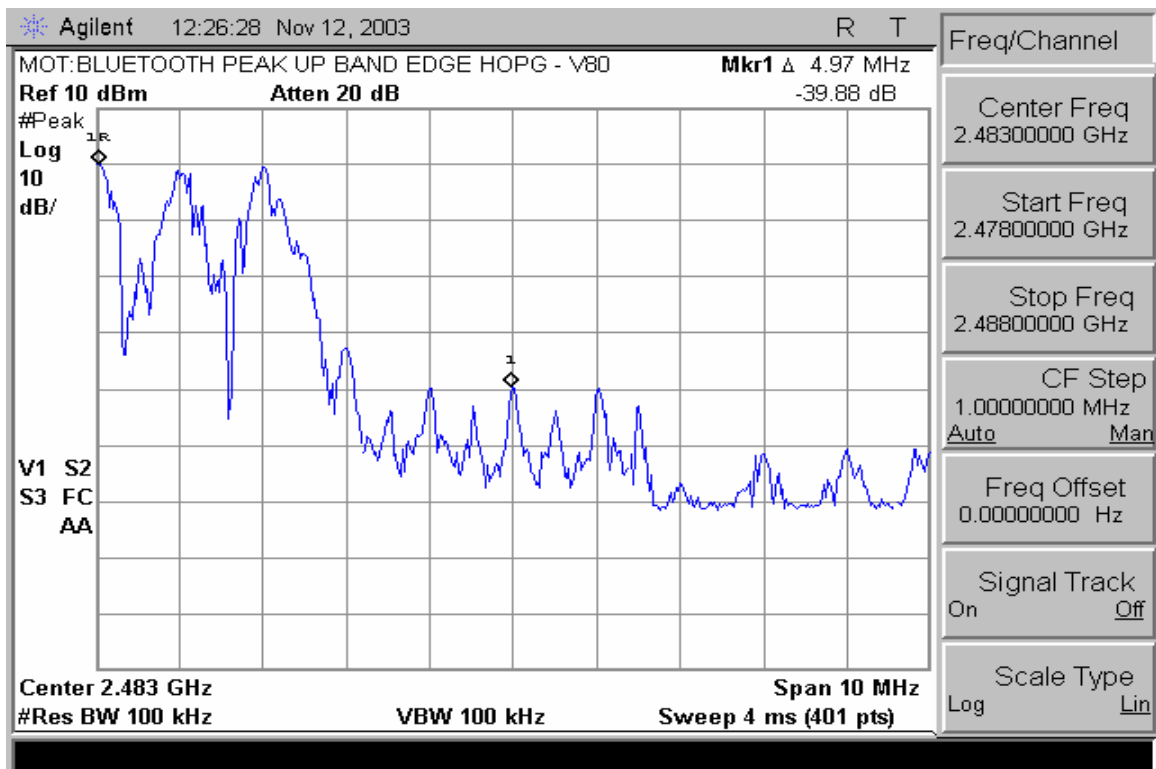
### Low Band Edge with Hopping Disabled



### Low Band Edge with Hopping Enabled



High Band Edge with Hopping Disabled



High Band Edge with Hopping Enabled

## **SPURIOUS RF CONDUCTED EMISSIONS**

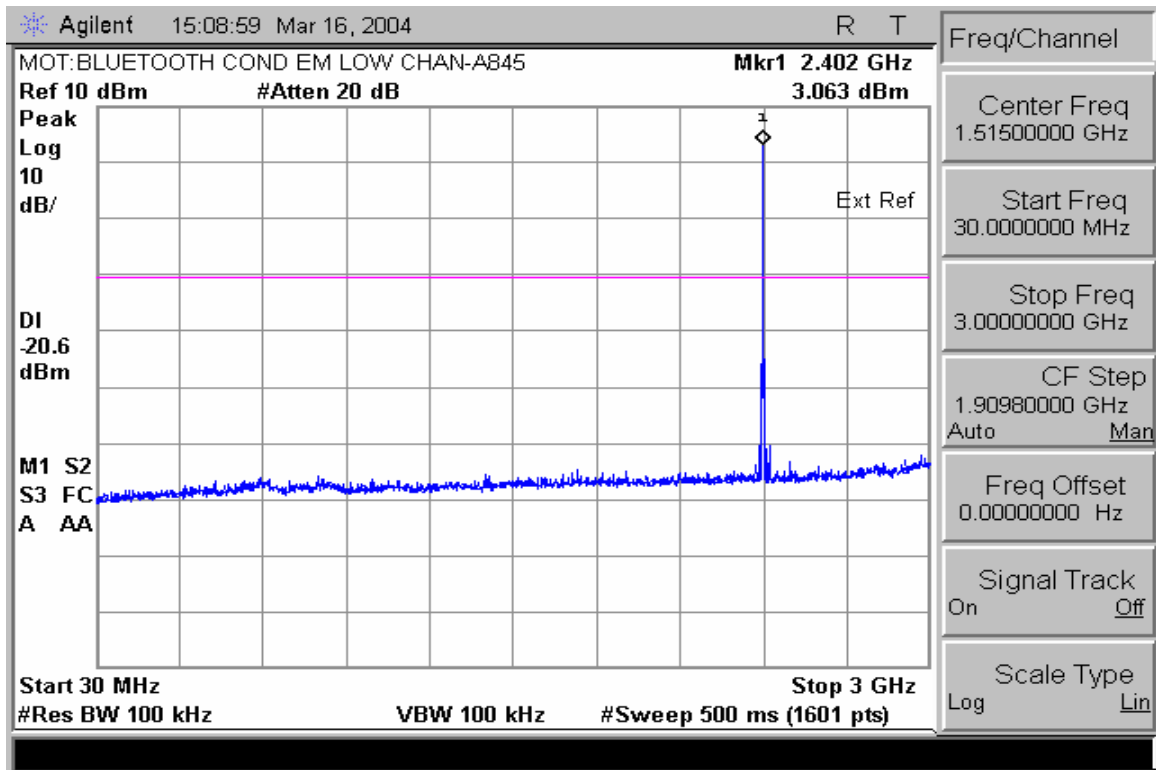
CFR 47 Part 15.247

### **Measurement Procedure**

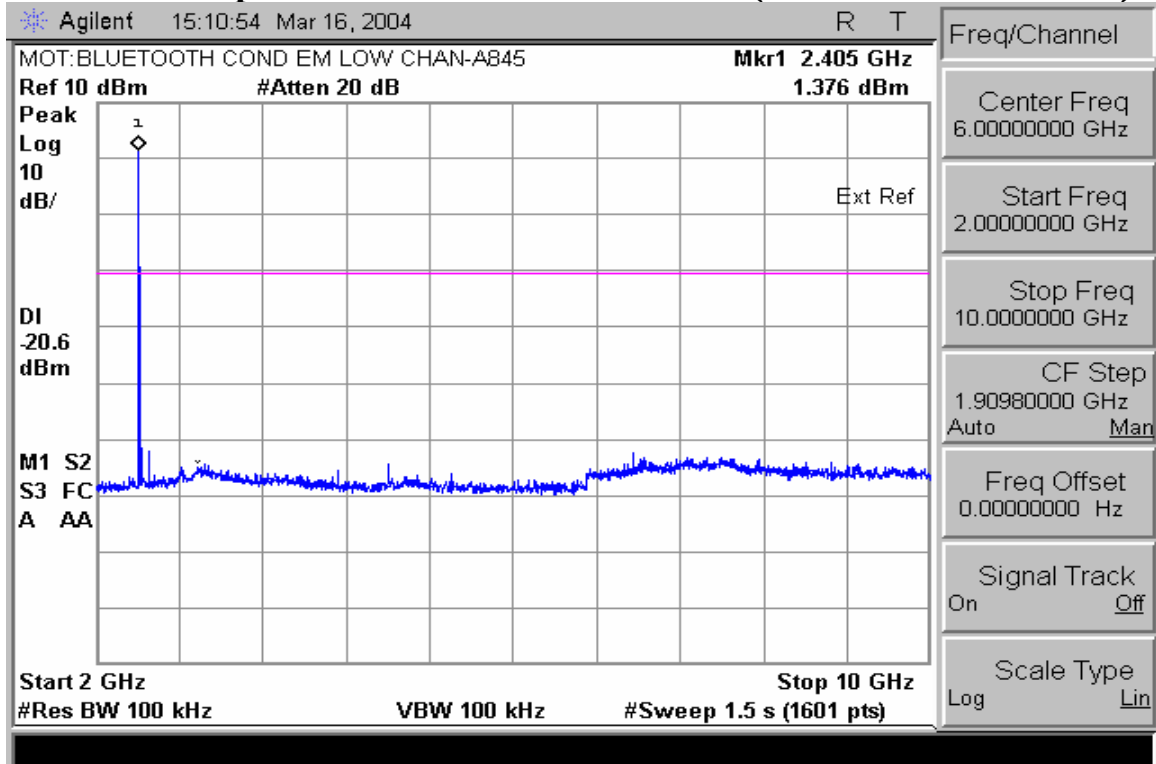
The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage.

### **Measurement Results**

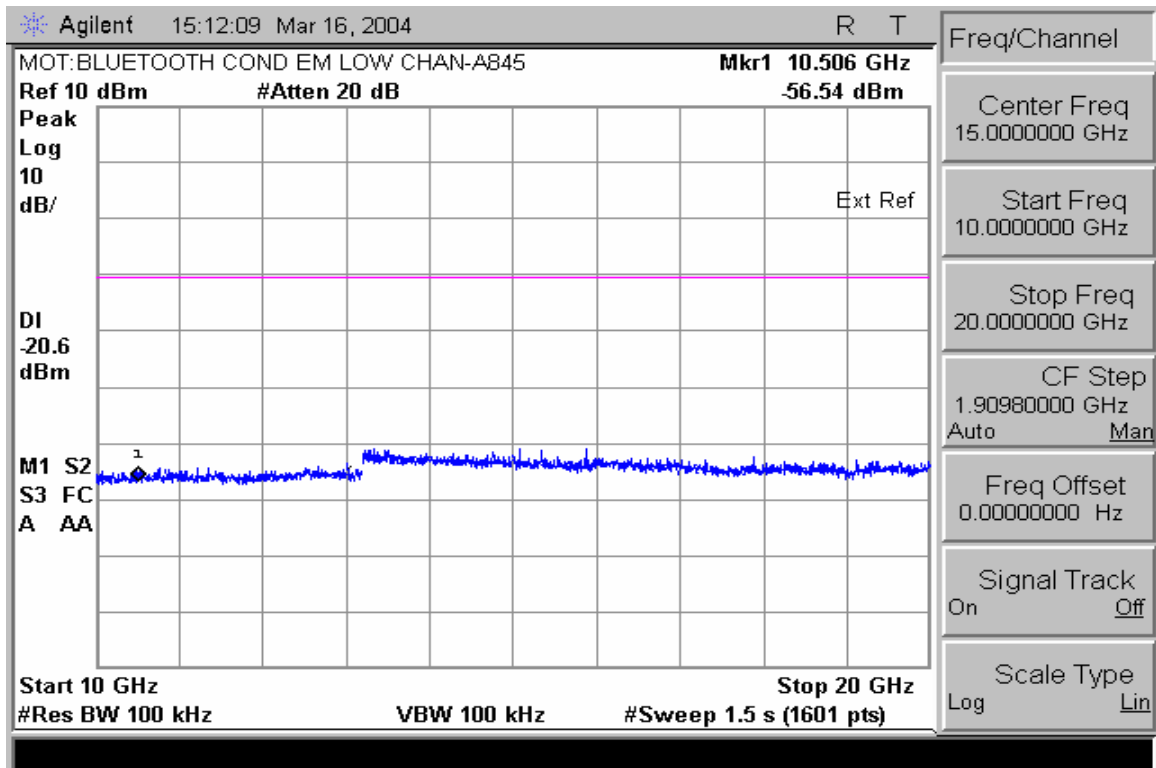
See attached:



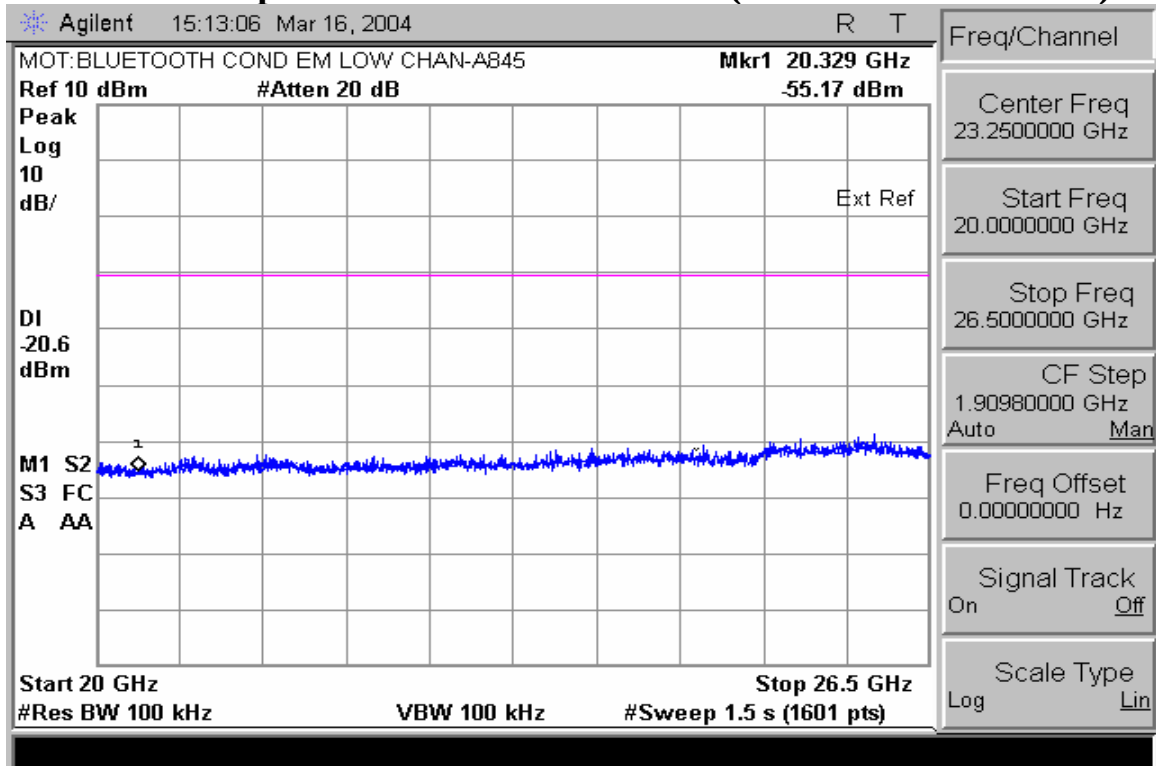
### Conducted Spurious Emissions 30-3000MHz (Low Channel Enabled)



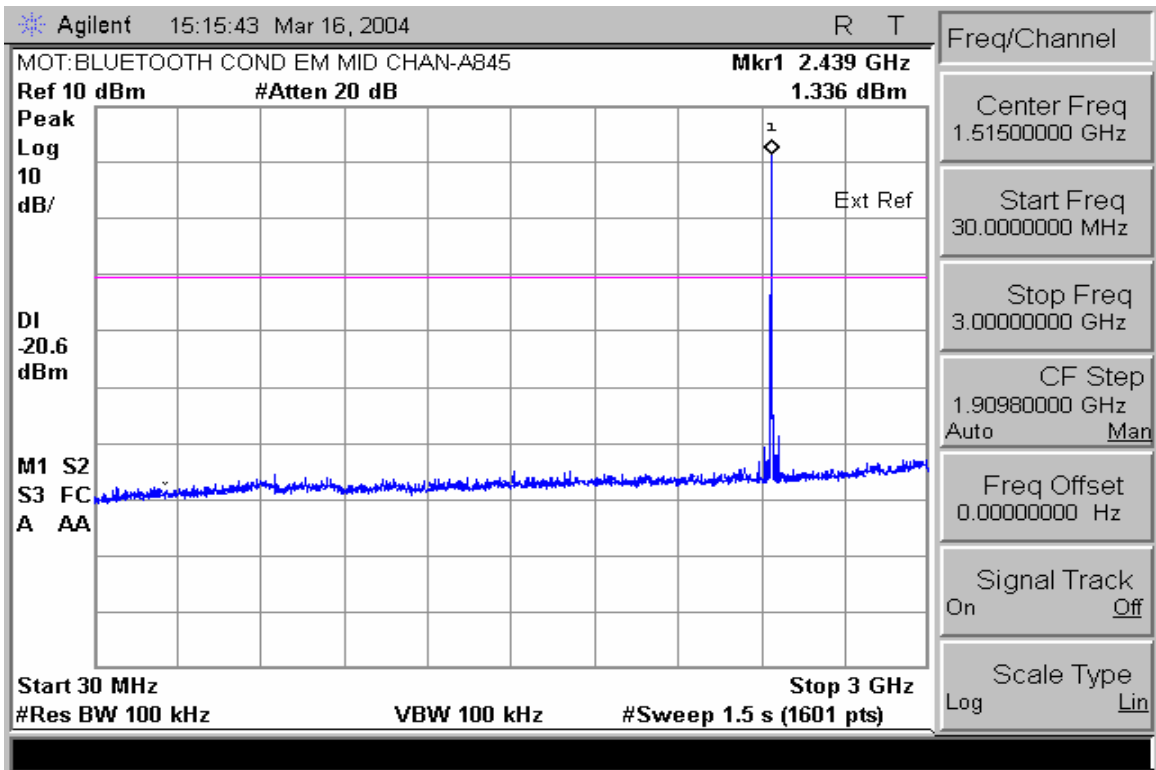
### Conducted Spurious Emissions 2-10GHz (Low Channel Enabled)



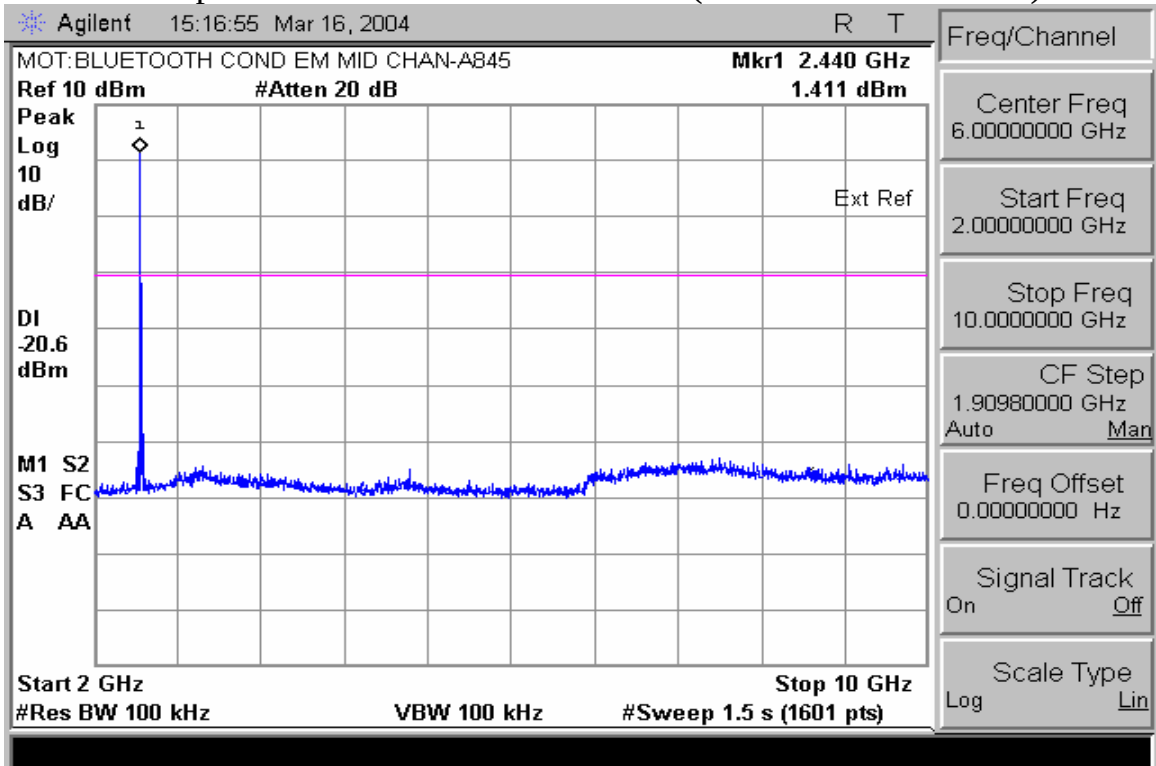
### Conducted Spurious Emissions 10-20GHz (Low Channel Enabled)



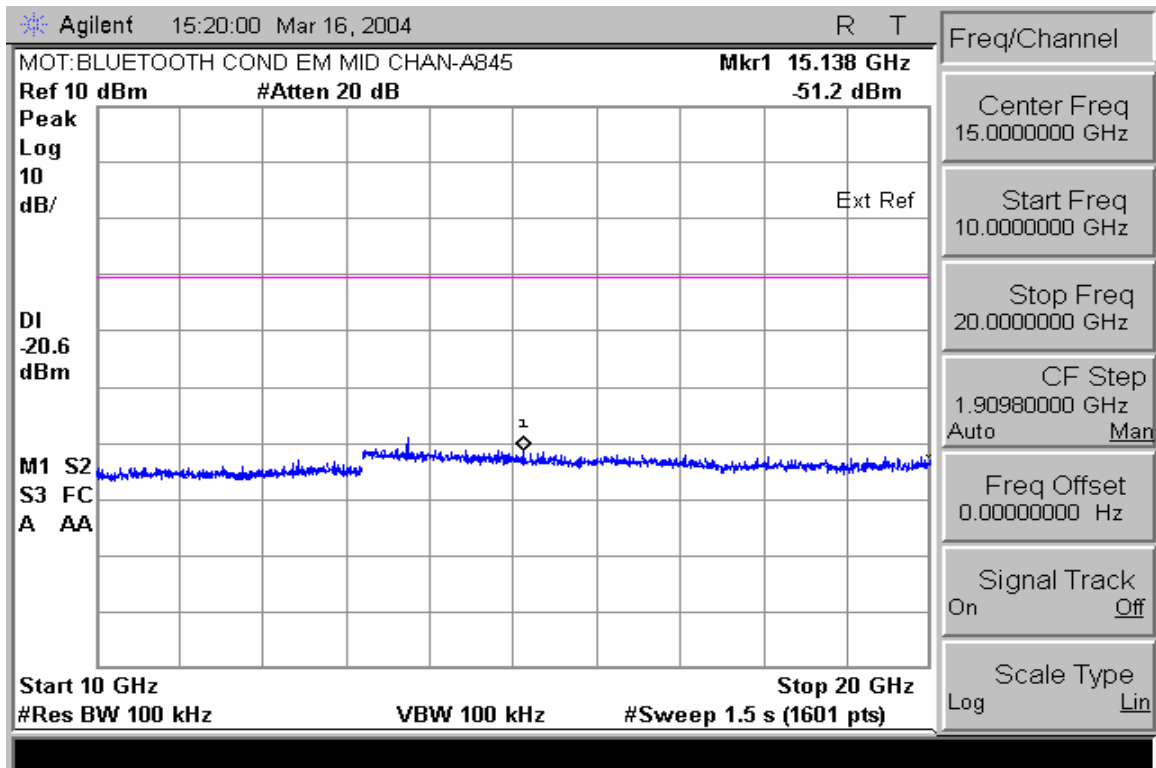
### Conducted Spurious Emissions 20-26.5GHz (Low Channel Enabled)



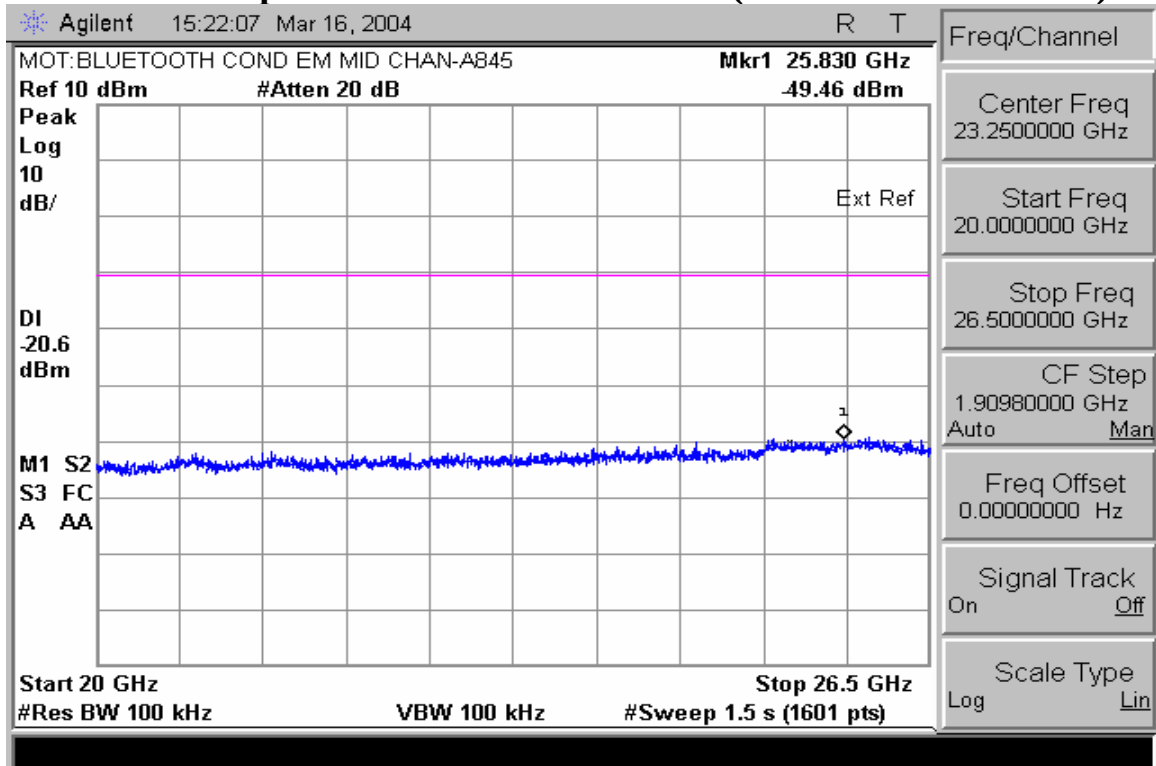
Conducted Spurious Emissions 30-3000MHz (Mid Channel Enabled)



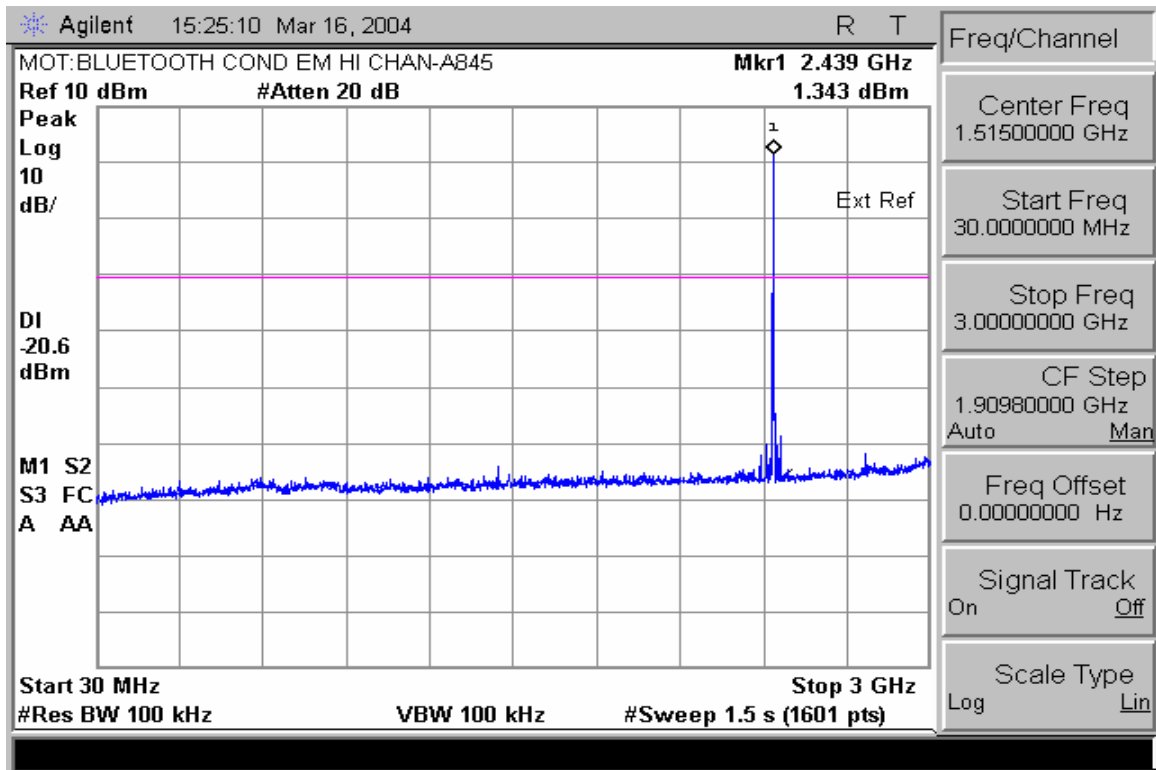
Conducted Spurious Emissions 2-10GHz (Mid Channel Enabled)



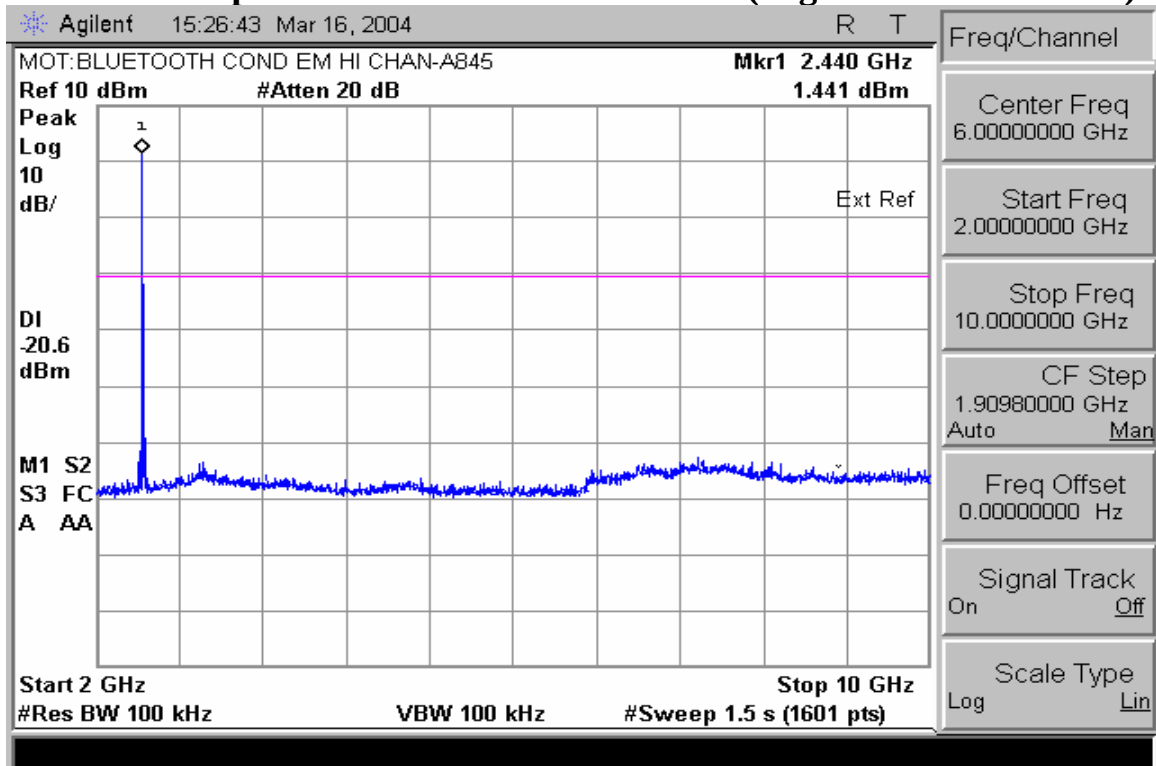
### Conducted Spurious Emissions 10-20GHz (Mid Channel Enabled)



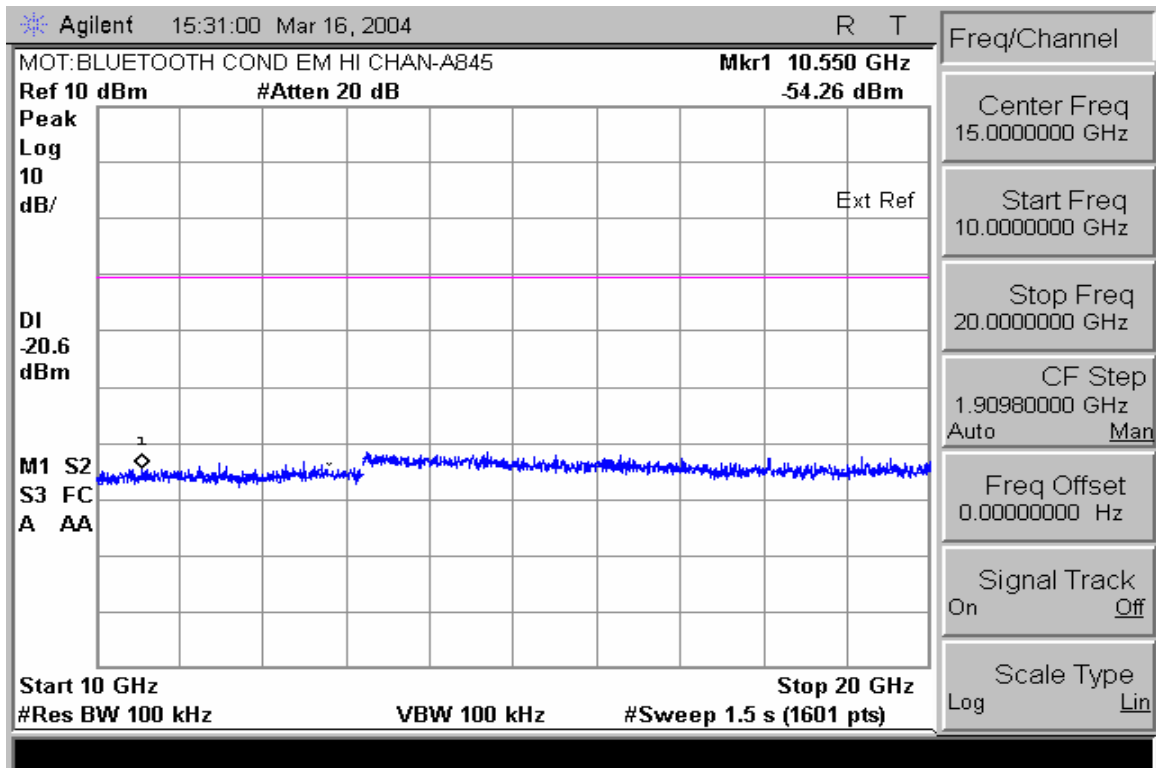
### Conducted Spurious Emissions 20-26.5GHz (Mid Chan Enabled)



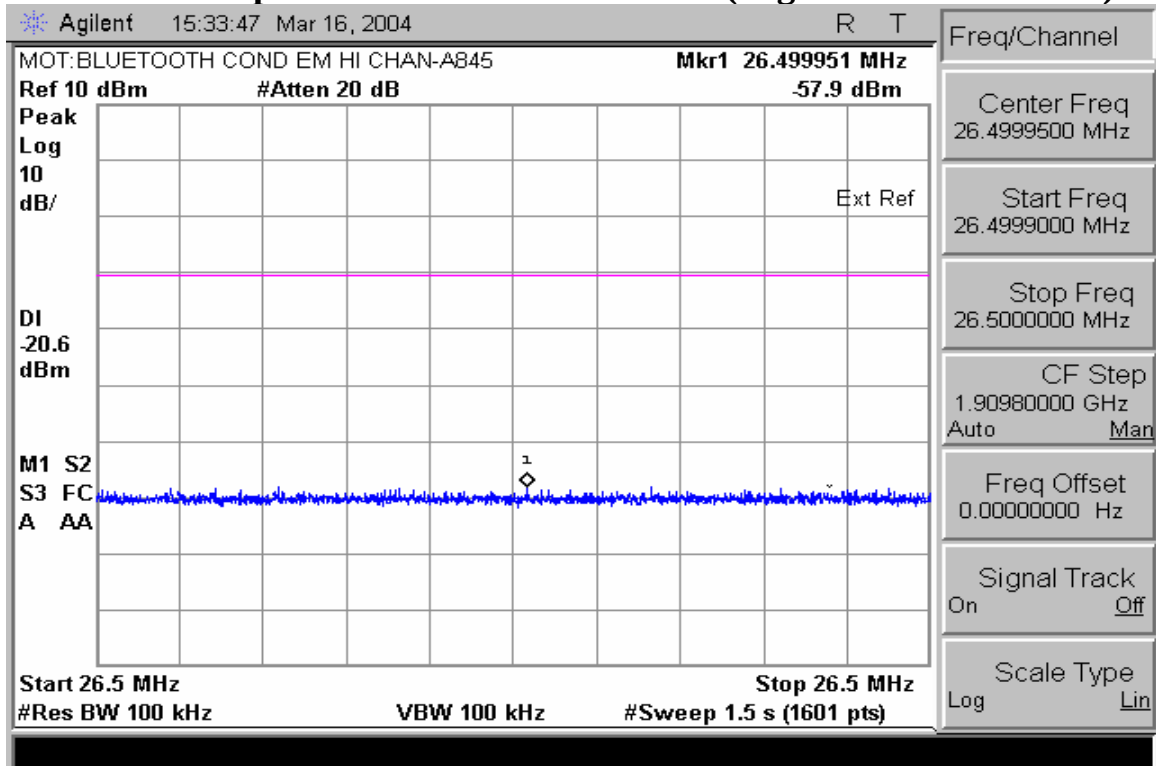
### Conducted Spurious Emissions 30-3000MHz (High Channel Enabled)



### 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**