

5 CONDUCTED EMISSION MEASUREMENT

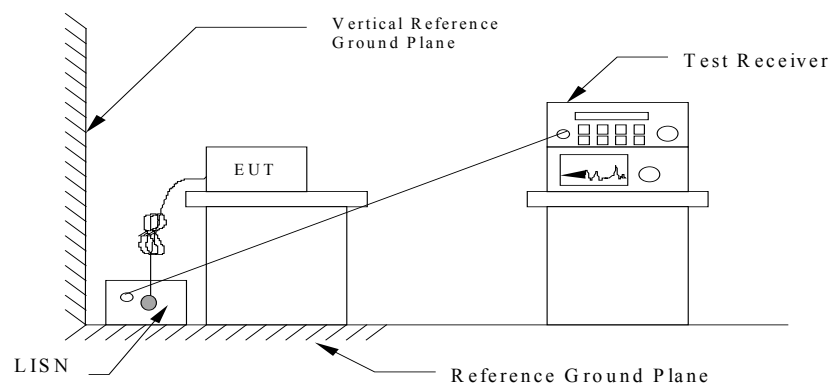
5.1 Standard Applicable

For unintentional and intentional device, Line Conducted Emission Limits are in accordance to § 15.107(a) and §15.207(a) respectively. Both Limits are identical specification.

5.2 Measurement Procedure

1. Setup the configuration per figure 3.
2. A preliminary scan with a spectrum monitor is performed to identify the frequency of emission that has the highest amplitude relative to the limit by operating the EUT in selected modes of operation, typical cable positions, and with a typical system configuration.
3. Record the 6 highest emissions relative to the limit.
4. Measure each frequency obtained from step 3 by a test receiver set on quasi peak detector function, and then record the accuracy frequency and emission level. If all emissions measured in the specified band are attenuated more than 20 dB from the limit, this step would be ignored, and the peak detector function would be used.
5. Confirm the highest three emissions with variation of the EUT cable configuration and record the final data.
6. Repeat all above procedures on measuring each operation mode of EUT.

Figure 3 : Conducted emissions measurement configuration



5.3 Conducted Emission Data

5.3.1

Operation Mode: 2402 MHz

Test Date : Jun. 15, 2005Temperature : 19°CHumidity : 55%

| Freq. (MHz) | Meter Reading (dBuV) | | | | Factor (dB) | Result (dBuV) | | | | Limit (dBuV) | | Margins (dB) |
|----------------|-------------------------|------|------------|------|----------------|------------------|------|------------|------|-----------------|---------------|-----------------|
| | Q.P Value | | AVG. Value | | | Q.P Value | | AVG. Value | | Q.P Value | AVG. Value | Q.P. or AVG. |
| | L1 | L2 | L1 | L2 | | L1 | L2 | L1 | L2 | | | |
| 0.287 | 33.4 | *** | ---- | ---- | 0.2 | 33.6 | *** | ---- | ---- | 60.6 | 50.6 | -27.0 |
| 0.291 | *** | 30.1 | ---- | ---- | 0.2 | *** | 30.3 | ---- | ---- | 60.5 | 50.5 | -30.2 |
| 0.574 | 36.2 | 36.7 | ---- | ---- | 0.2 | 36.4 | 36.9 | ---- | ---- | 56.0 | 46.0 | -19.1 |
| 0.734 | 29.9 | *** | ---- | ---- | 0.2 | 30.1 | *** | ---- | ---- | 56.0 | 46.0 | -25.9 |
| 0.859 | *** | 34.9 | ---- | ---- | 0.2 | *** | 35.1 | ---- | ---- | 56.0 | 46.0 | -20.9 |
| 0.863 | 34.5 | *** | ---- | ---- | 0.2 | 34.7 | *** | ---- | ---- | 56.0 | 46.0 | -21.3 |
| 0.977 | *** | 31.6 | ---- | ---- | 0.2 | *** | 31.8 | ---- | ---- | 56.0 | 46.0 | -24.2 |
| 1.039 | 28.9 | *** | ---- | ---- | 0.2 | 29.1 | *** | ---- | ---- | 56.0 | 46.0 | -26.9 |
| 1.223 | *** | 29.5 | ---- | ---- | 0.2 | *** | 29.7 | ---- | ---- | 56.0 | 46.0 | -26.3 |
| 1.766 | 26.2 | *** | ---- | ---- | 0.2 | 26.4 | *** | ---- | ---- | 56.0 | 46.0 | -29.6 |
| 1.898 | *** | 28.4 | ---- | ---- | 0.2 | *** | 28.6 | ---- | ---- | 56.0 | 46.0 | -27.4 |
| 0.287 | 33.4 | *** | ---- | ---- | 0.2 | 33.6 | *** | ---- | ---- | 60.6 | 50.6 | -27.0 |

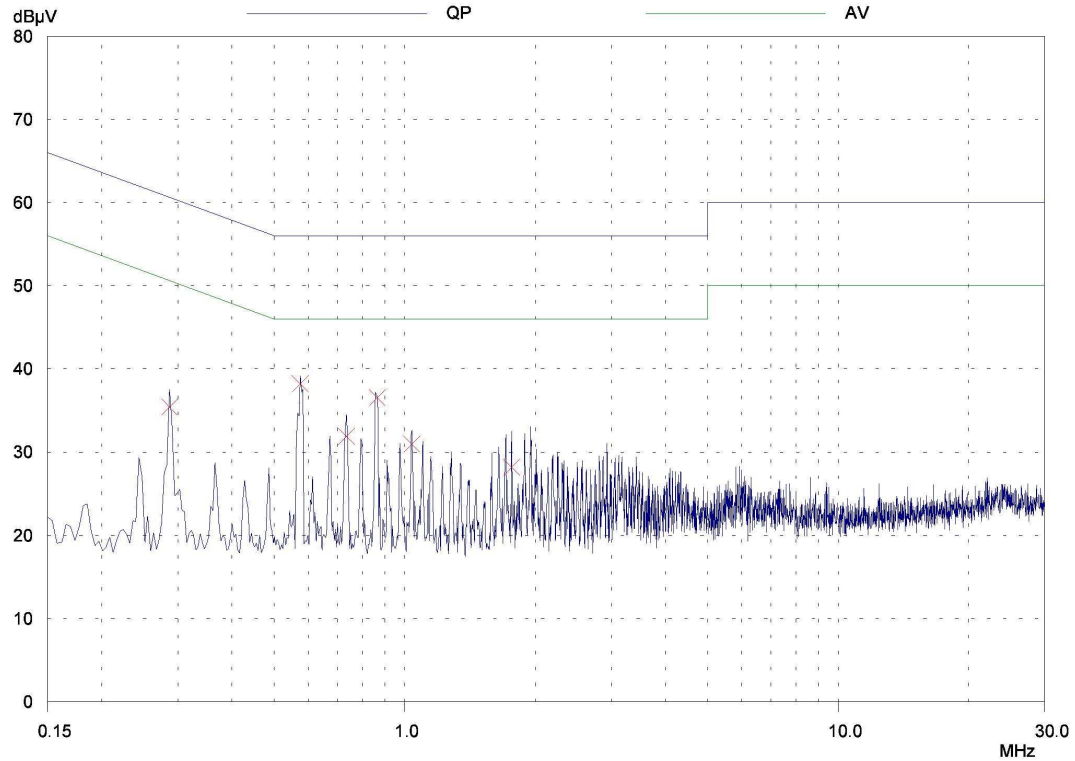
Note:

1. “***” means the value was too low to be measured.
2. If the data table appeared symbol of "----" means the Q.P. value is under the limit of AVG. so, the AVG. value doesn't need to be measured.
3. “#” means the noise was too low, so record the peak value.
4. The estimated measurement uncertainty of the result measurement is ± 2.5 dB.
5. Please refer to page 34 to page 35 for chart.

**CONDUCTED EMISSION TEST
PEAK VALUE**

EUT: Bluetooth Headset
Manuf:
Op Cond: Operation
Operator: JAMES
Test Spec: FCC
Comment: L1
CH00
Result File: ce_l1.dat :

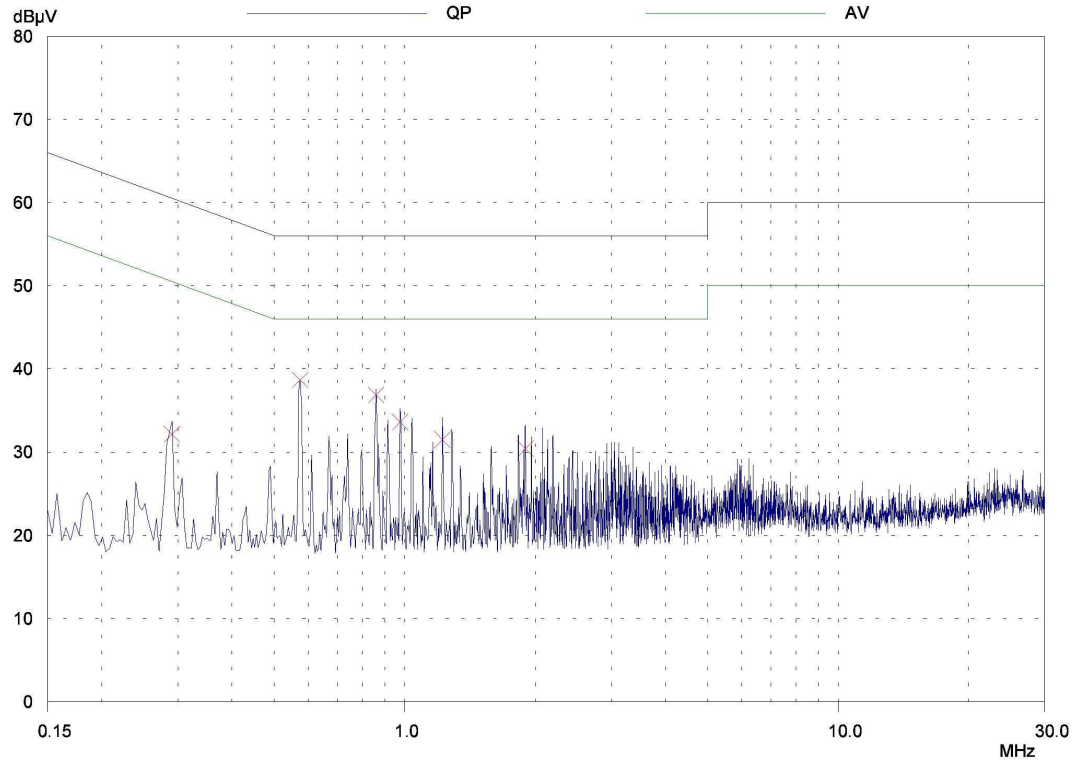
Final Measurement: Detector: X QP
Meas Time: 1sec
Peaks: 8
Acc Margin: 6 dB



**CONDUCTED EMISSION TEST
PEAK VALUE**

EUT: Bluetooth Headset
Manuf:
Op Cond: Operation
Operator: JAMES
Test Spec: FCC
Comment: L2
CH00
Result File: ce_l2.dat :

Final Measurement: Detector: X QP
Meas Time: 1sec
Peaks: 8
Acc Margin: 6 dB



5.3.2

Operation Mode: 2441 MHz

Test Date : Jun. 15, 2005Temperature : 19°CHumidity : 55%

| Freq. (MHz) | Meter Reading (dBuV) | | | | Factor (dB) | Result (dBuV) | | | | Limit (dBuV) | | Margins (dB) |
|----------------|-------------------------|------|------------|------|----------------|------------------|------|------------|------|-----------------|---------------|-----------------|
| | Q.P Value | | AVG. Value | | | Q.P Value | | AVG. Value | | Q.P Value | AVG. Value | Q.P. or AVG |
| | L1 | L2 | L1 | L2 | | L1 | L2 | L1 | L2 | | | |
| 0.286 | 32.4 | *** | ---- | ---- | 0.2 | 32.6 | *** | ---- | ---- | 60.6 | 50.6 | -28.0 |
| 0.291 | *** | 30.1 | ---- | ---- | 0.2 | *** | 30.3 | ---- | ---- | 60.5 | 50.5 | -30.2 |
| 0.574 | 35.2 | 36.7 | ---- | ---- | 0.2 | 35.4 | 36.9 | ---- | ---- | 56.0 | 46.0 | -19.1 |
| 0.653 | *** | 28.4 | ---- | ---- | 0.2 | *** | 28.6 | ---- | ---- | 56.0 | 46.0 | -27.4 |
| 0.724 | *** | 31.6 | ---- | ---- | 0.2 | *** | 31.8 | ---- | ---- | 56.0 | 46.0 | -24.2 |
| 0.731 | 28.9 | *** | ---- | ---- | 0.2 | 29.1 | *** | ---- | ---- | 56.0 | 46.0 | -26.9 |
| 0.859 | *** | 30.5 | ---- | ---- | 0.2 | *** | 30.7 | ---- | ---- | 56.0 | 46.0 | -25.3 |
| 0.863 | 32.5 | *** | ---- | ---- | 0.2 | 32.7 | *** | ---- | ---- | 56.0 | 46.0 | -23.3 |
| 0.977 | *** | 29.2 | ---- | ---- | 0.2 | *** | 29.4 | ---- | ---- | 56.0 | 46.0 | -26.6 |
| 1.030 | 27.9 | *** | ---- | ---- | 0.2 | 28.1 | *** | ---- | ---- | 56.0 | 46.0 | -27.9 |
| 1.767 | 25.9 | *** | ---- | ---- | 0.2 | 26.1 | *** | ---- | ---- | 56.0 | 46.0 | -29.9 |

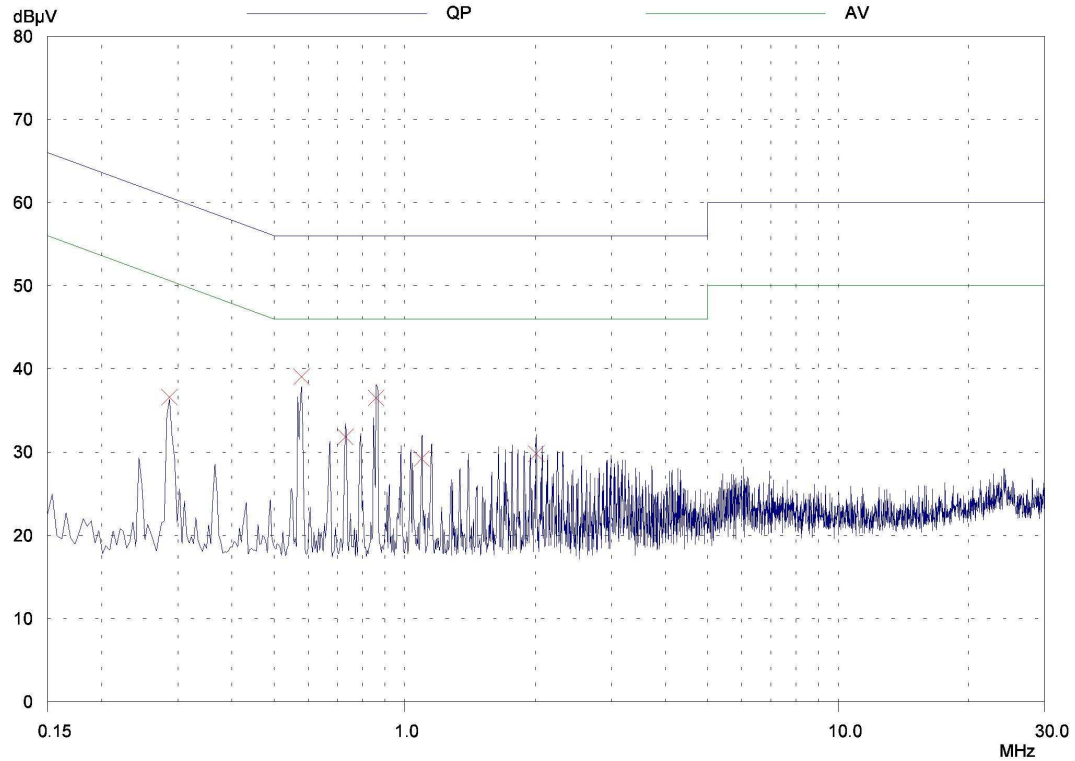
Note:

1. “***” means the value was too low to be measured.
2. If the data table appeared symbol of "----" means the Q.P. value is under the limit of AVG. so, the AVG. value doesn't need to be measured.
3. “#” means the noise was too low, so record the peak value.
4. The estimated measurement uncertainty of the result measurement is $\pm 2.5\text{dB}$.
5. Please refer to page 37 to page 38 for chart.

**CONDUCTED EMISSION TEST
PEAK VALUE**

EUT: Bluetooth Headset
Manuf:
Op Cond: Operation
Operator: JAMES
Test Spec: FCC
Comment: L1
CH39
Result File: ce_l1.dat :

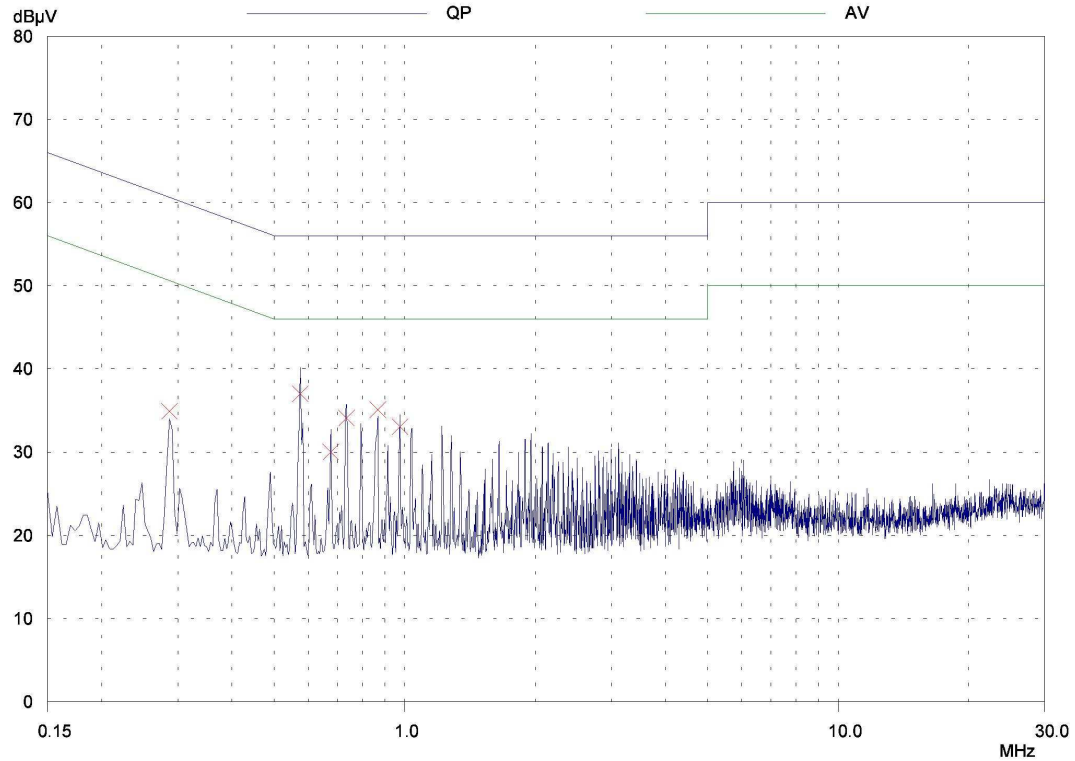
Final Measurement: Detector: X QP
Meas Time: 1sec
Peaks: 8
Acc Margin: 6 dB



**CONDUCTED EMISSION TEST
PEAK VALUE**

EUT: Bluetooth Headset
Manuf:
Op Cond: Operation
Operator: JAMES
Test Spec: FCC
Comment: L2
CH39
Result File: ce_l2.dat :

Final Measurement: Detector: X QP
Meas Time: 1sec
Peaks: 8
Acc Margin: 6 dB



5.3.3

Operation Mode: 2480 MHz

Test Date : Jun. 15, 2005

Temperature : 19°C

Humidity : 55%

| Freq. (MHz) | Meter Reading (dBuV) | | | | Factor (dB) | Result (dBuV) | | | | Limit (dBuV) | | Margins (dB) |
|----------------|-------------------------|------|------------|------|----------------|------------------|------|------------|------|-----------------|---------------|-----------------|
| | Q.P Value | | AVG. Value | | | Q.P Value | | AVG. Value | | Q.P Value | AVG. Value | Q.P. or AVG. |
| | L1 | L2 | L1 | L2 | | L1 | L2 | L1 | L2 | | | |
| 0.214 | 25.6 | *** | ---- | ---- | 0.2 | 25.8 | *** | ---- | ---- | 63.0 | 53.0 | -37.2 |
| 0.291 | 29.1 | 30.1 | ---- | ---- | 0.2 | 29.3 | 30.3 | ---- | ---- | 60.5 | 50.5 | -30.2 |
| 0.574 | 36.3 | 36.7 | ---- | ---- | 0.2 | 36.5 | 36.9 | ---- | ---- | 56.0 | 46.0 | -19.1 |
| 0.652 | *** | 28.8 | ---- | ---- | 0.2 | *** | 29.0 | ---- | ---- | 56.0 | 46.0 | -27.0 |
| 0.713 | *** | 30.7 | ---- | ---- | 0.2 | *** | 30.9 | ---- | ---- | 56.0 | 46.0 | -25.1 |
| 0.829 | *** | 31.3 | ---- | ---- | 0.2 | *** | 31.5 | ---- | ---- | 56.0 | 46.0 | -24.5 |
| 0.859 | 34.6 | *** | ---- | ---- | 0.2 | 34.8 | *** | ---- | ---- | 56.0 | 46.0 | -21.2 |
| 0.972 | *** | 28.1 | ---- | ---- | 0.2 | *** | 28.3 | ---- | ---- | 56.0 | 46.0 | -27.7 |
| 0.977 | 31.6 | *** | ---- | ---- | 0.2 | 31.8 | *** | ---- | ---- | 56.0 | 46.0 | -24.2 |
| 1.223 | 30.1 | *** | ---- | ---- | 0.2 | 30.3 | *** | ---- | ---- | 56.0 | 46.0 | -25.7 |

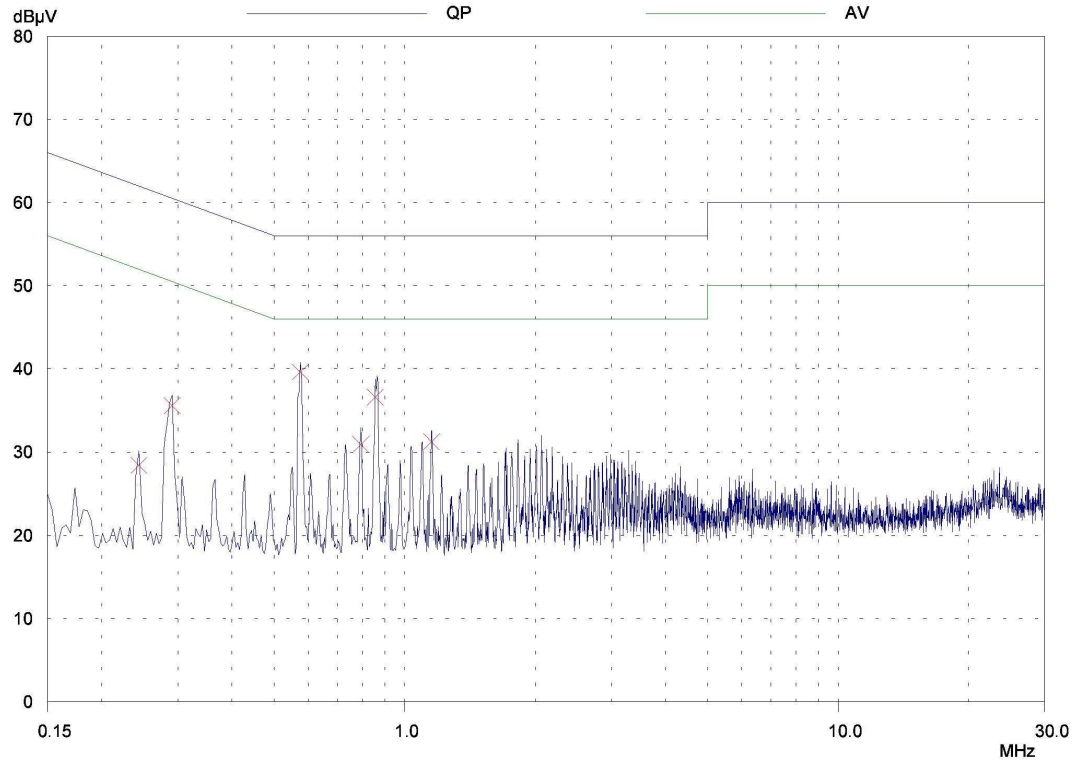
Note:

1. "****" means the value was too low to be measured.
2. If the data table appeared symbol of "----" means the Q.P. value is under the limit of AVG. so, the AVG. value doesn't need to be measured.
3. "#" means the noise was too low, so record the peak value.
4. The estimated measurement uncertainty of the result measurement is ± 2.5 dB.
5. Please refer to page 40 to page 41 for chart.

**CONDUCTED EMISSION TEST
PEAK VALUE**

EUT: Bluetooth Headset
Manuf:
Op Cond: Operation
Operator: JAMES
Test Spec: FCC
Comment: L1
CH78
Result File: ce_l1.dat :

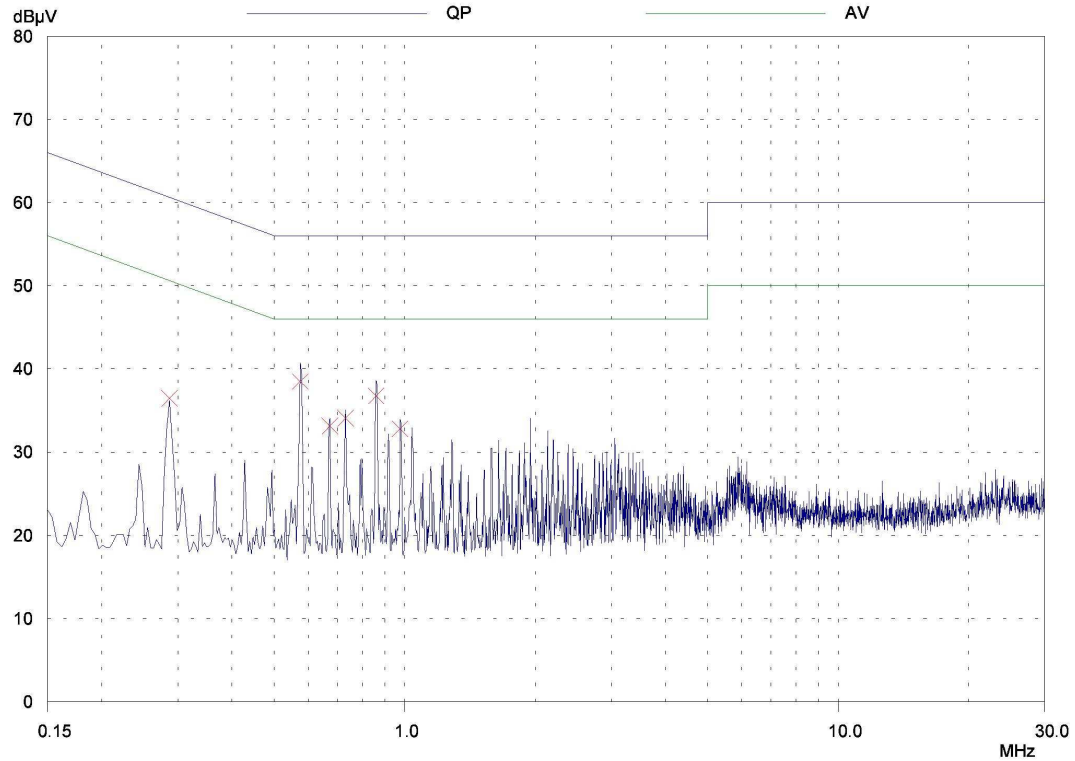
Final Measurement: Detector: X QP
Meas Time: 1sec
Peaks: 8
Acc Margin: 6 dB



**CONDUCTED EMISSION TEST
PEAK VALUE**

EUT: Bluetooth Headset
Manuf:
Op Cond: Operation
Operator: JAMES
Test Spec: FCC
Comment: L2
CH78
Result File: ce_l2.dat :

Final Measurement: Detector: X QP
Meas Time: 1sec
Peaks: 8
Acc Margin: 6 dB



5.4 Result Data Calculation

The result data is calculated by adding the LISN Factor to the measured reading. The basic equation with a sample calculation is as follows:

$$\text{RESULT} = \text{READING} + \text{LISN FACTOR (Included Cable Loss)}$$

Assume a receiver reading of 22.5 dB μ V is obtained, and LISN Factor is 0.1 dB, then the total of disturbance voltage is 22.6 dB μ V.

$$\text{RESULT} = 22.5 + 0.1 = 22.6 \text{ dB } \mu \text{ V}$$

$$\begin{aligned} \text{Level in } \mu \text{ V} &= \text{Common Antilogarithm}[(22.6 \text{ dB } \mu \text{ V})/20] \\ &= 13.48 \mu \text{ V} \end{aligned}$$

5.5 Conducted Measurement Equipment

The following test equipment are used during the conducted test.

| Equipment | Manufacturer | Model No. | Next Cal. Due |
|--------------------------------------|-------------------|-----------|---------------|
| RF Test Receiver | Rohde and Schwarz | ESCS30 | 03/31/2006 |
| Line Impedance Stabilization network | EMCO | 3825 | 11/09/2005 |
| Line Impedance Stabilization network | Rolf Heine | NNB-2/16Z | 03/31/2006 |

6 ANTENNA REQUIREMENT

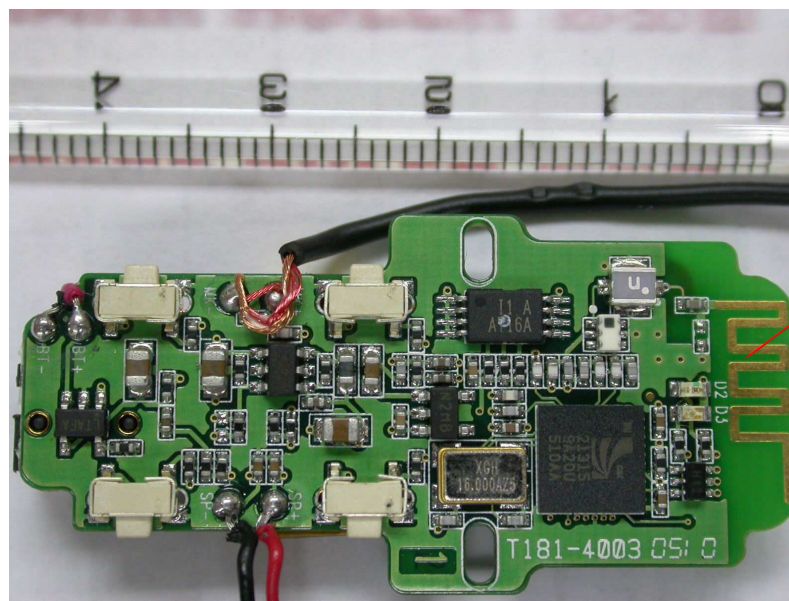
6.1 Standard Applicable

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to §15.247 (b), if Receiving antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

6.2 Antenna Construction and Directional Gain

Highly efficient chip antennas fix on the PCB. The peak gain of antenna used is 3.0 dBi.



Antenna

7 20dB EMISSION BANDWIDTH MEASUREMENT

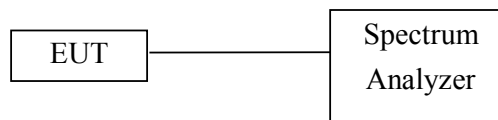
7.1 Standard Applicable

According to 15.247(a)(1), for frequency hopping systems, hopping channel carrier frequencies separated by a minimum of 25kHz or the 20dB bandwidth of hopping channel, whichever is greater.

7.2 Measurement Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. The setup of the EUT as shown in figure 4. Turn on the EUT and connect it to measurement instrument. Then set it to any convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.

Figure 4: Emission bandwidth measurement configuration.



7.3 Measurement Equipment

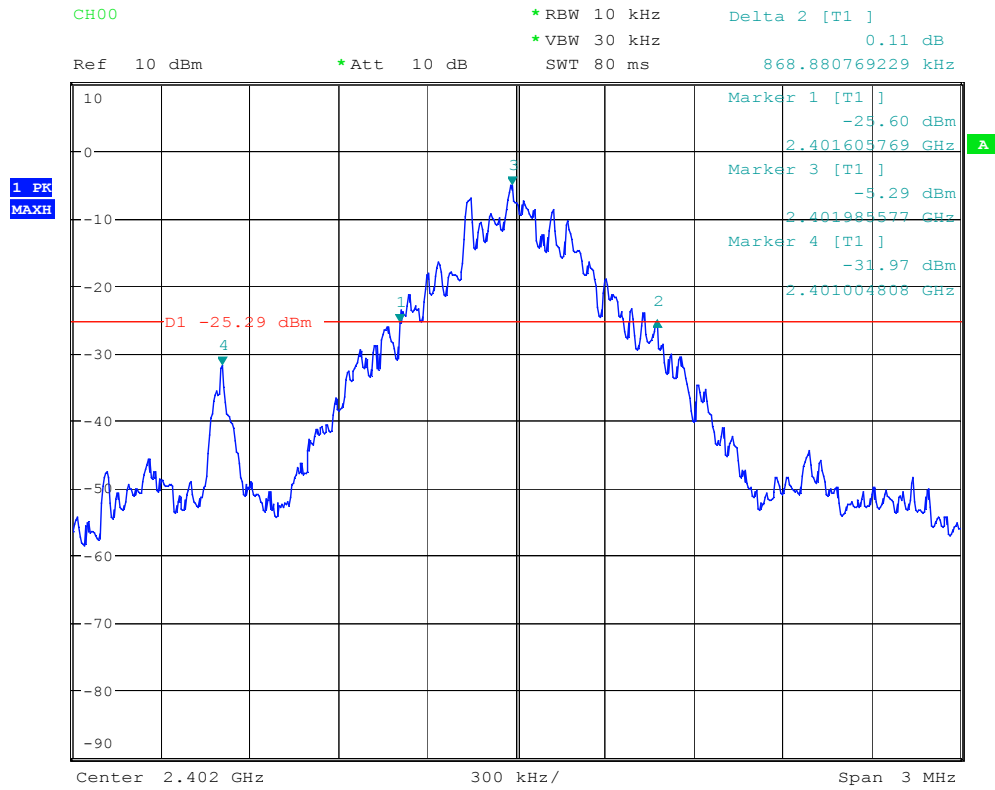
| Equipment | Manufacturer | Model No. | Next Cal. Due |
|-------------------|-----------------|-----------|---------------|
| Spectrum Analyzer | Rohde & Schwarz | FSU46 | 10/03/2005 |

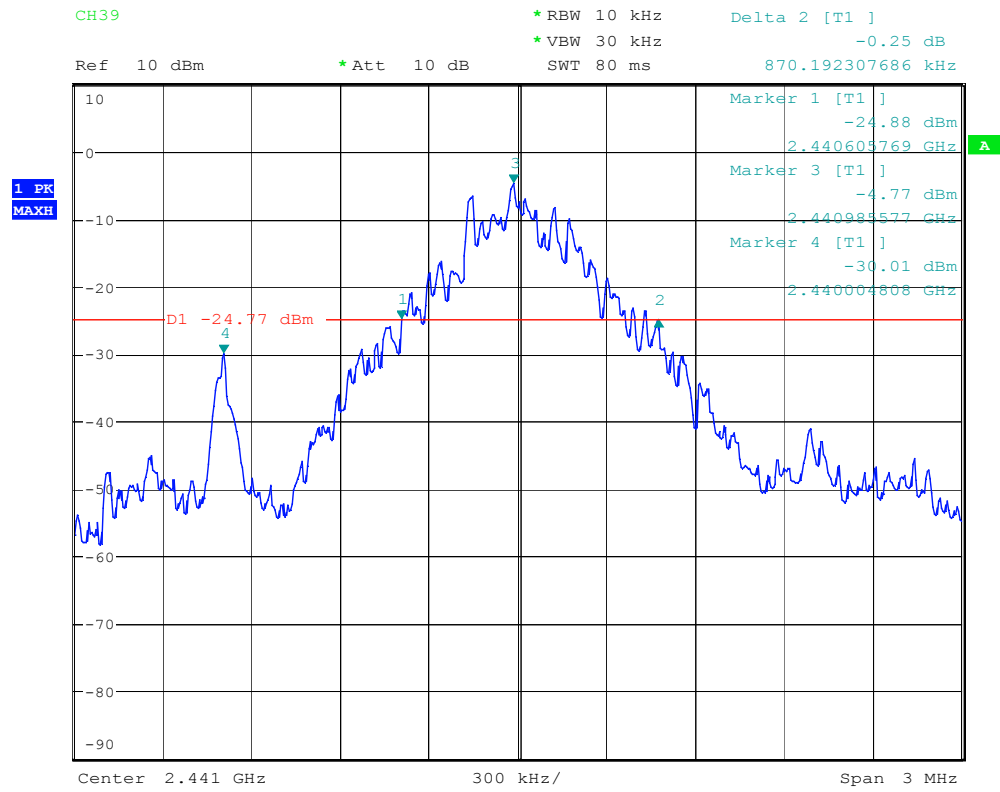
7.4 Measurement Data

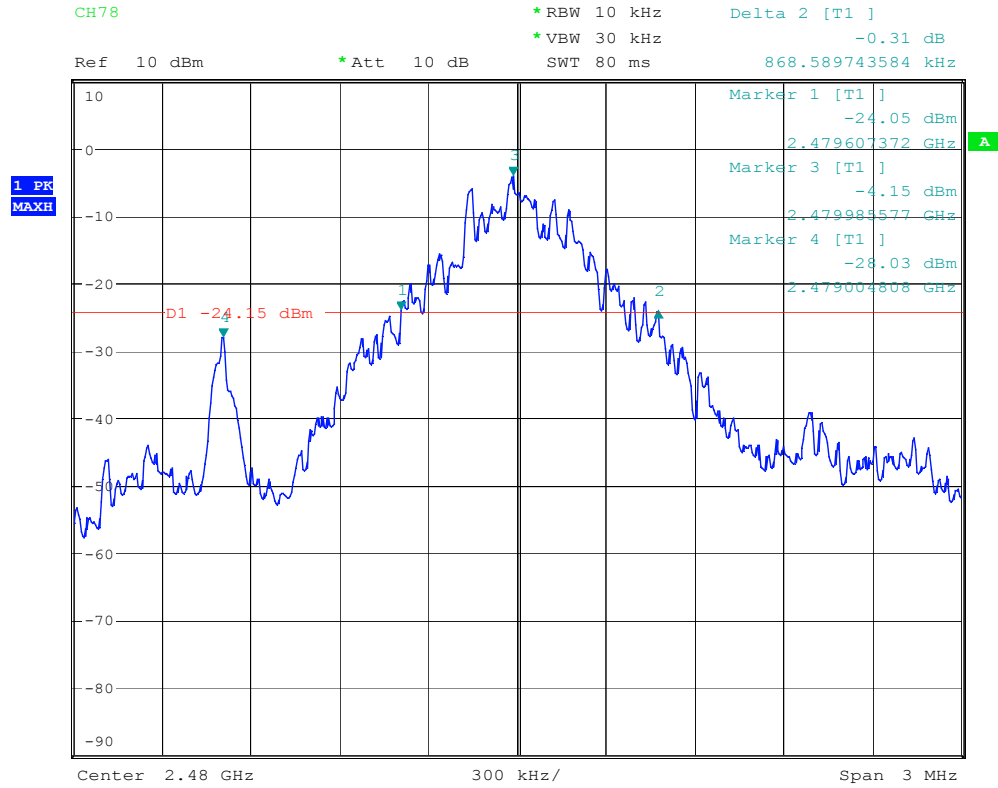
Test Date : Jun. 15, 2005Temperature : 19°CHumidity : 55%

| Channel | Frequency (MHz) | 20 dB Bandwidth (MHz) | Chart |
|---------|--------------------|--------------------------|---------|
| 0 | 2402 | 0.869 | Page 46 |
| 39 | 2441 | 0.870 | Page 47 |
| 78 | 2480 | 0.869 | Page 48 |

Note: Please refer to page 46 to page 48 for chart.







8 OUTPUT POWER MEASUREMENT

8.1 Standard Applicable

For frequency hopping system, according to 15.247(b), the maximum peak output power of the transmitter shall not exceed 1 Watt. If Receiving antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.2 Measurement Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. The setup of the EUT as shown in figure 4. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any measured frequency within its operating range and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 1 MHz and VBW to 3 MHz.
4. Measure the highest amplitude appearing on spectral display and record the level to calculate result data.
5. Repeat above procedures until all frequencies measured were complete.

8.3 Measurement Equipment

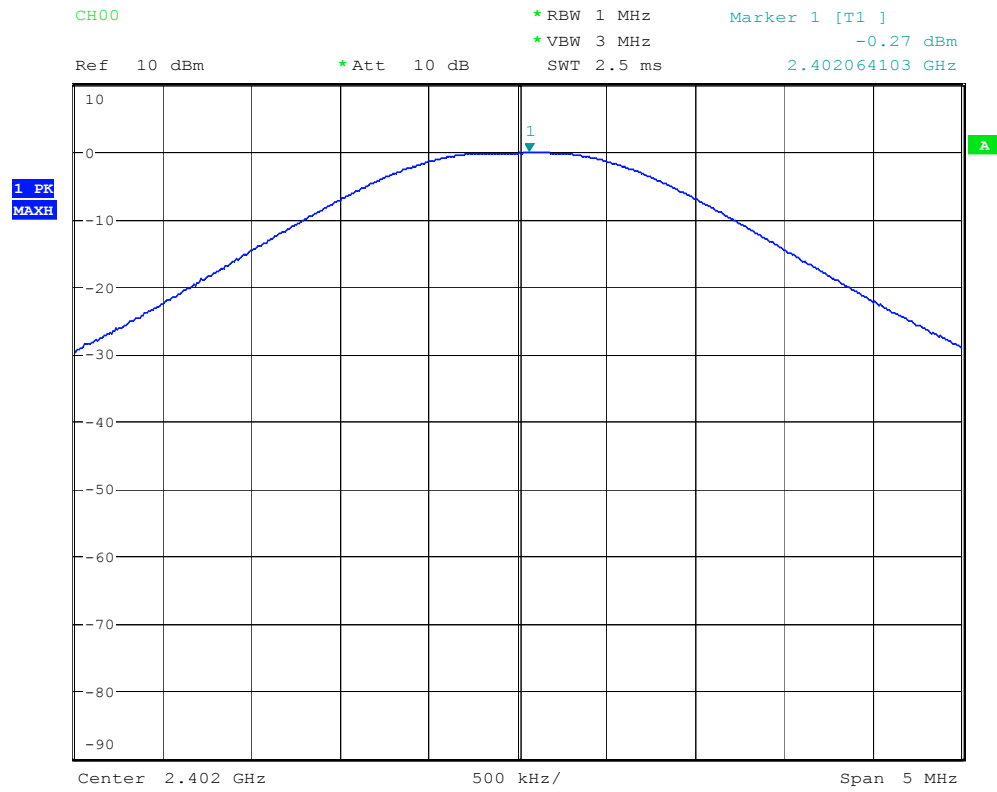
| Equipment | Manufacturer | Model No. | Next Cal. Due |
|-------------------|-----------------|-----------|---------------|
| Spectrum Analyzer | Rohde & Schwarz | FSU46 | 10/03/2005 |

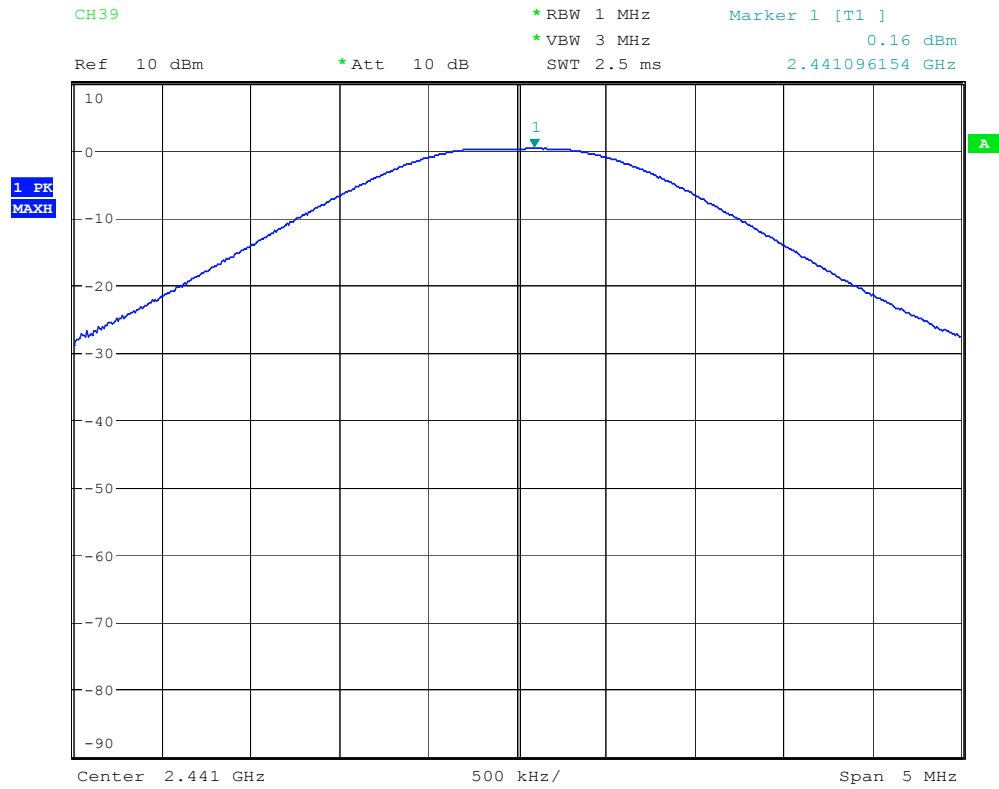
8.4 Measurement Data

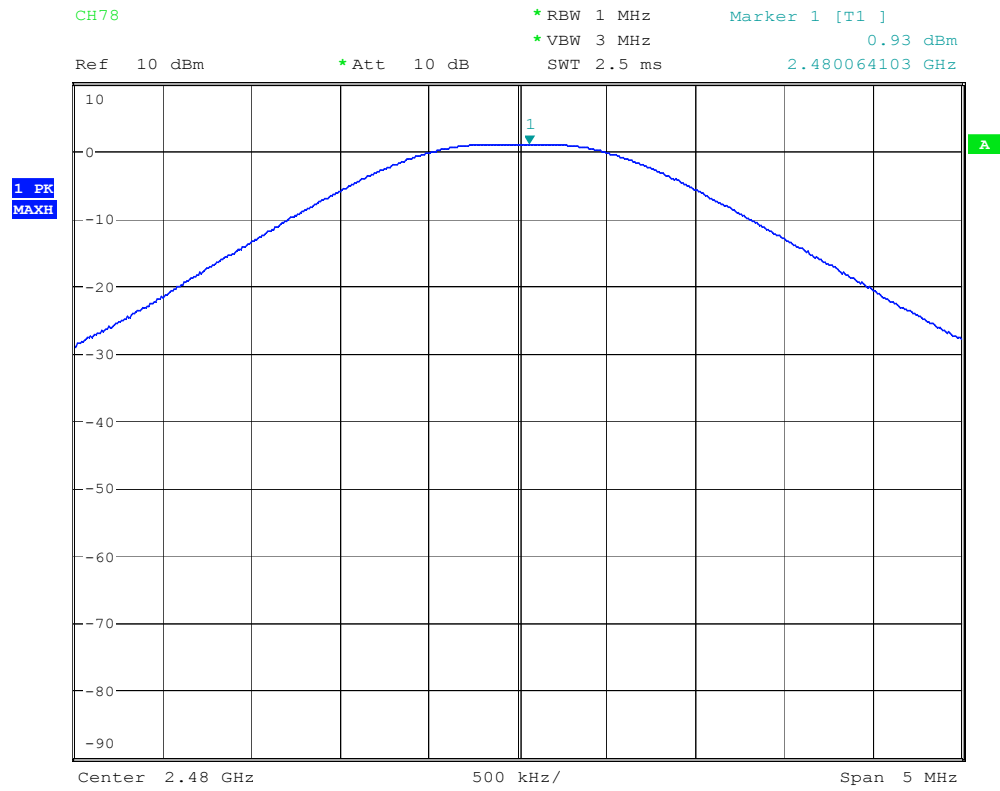
Test Date : Jun. 15, 2005Temperature : 19°CHumidity : 55%

| Channel | Frequency (MHz) | Reading (dBm) | Cable Loss (dB) | Maximum Peak Output Power (dBm) | Maximum Peak Output Power (mW) | FCC Limit (mW) | Chart |
|---------|--------------------|------------------|--------------------|--|---|-------------------|---------|
| 0 | 2402 | -0.27 | 0.5 | 0.23 | 1.05 | 1000 | Page 51 |
| 39 | 2441 | 0.16 | 0.5 | 0.66 | 1.16 | 1000 | Page 52 |
| 78 | 2480 | 0.93 | 0.5 | 1.43 | 1.39 | 1000 | Page 53 |

Note: Please refer to page 51 to page 53 for chart.







9 OUT-OF-BAND RF CONDUCTED SPURIOUS EMISSION MEASUREMENT

9.1 Standard Applicable

According to 15.247(c), if any 100 kHz bandwidth outside these frequency bands, the radio frequency power that is produced by the modulation products of the spreading sequence, the information sequence and the carrier frequency shall be either at least 20 dB below that in any 100 kHz bandwidth within the band that contains the highest level of the desired power or shall not exceed the general levels specified in §15.209(a), whichever results in the lesser attenuation.

9.2 Measurement Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. The setup of the EUT as shown in figure 4. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any measured frequency within its operating range and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

9.3 Measurement Equipment

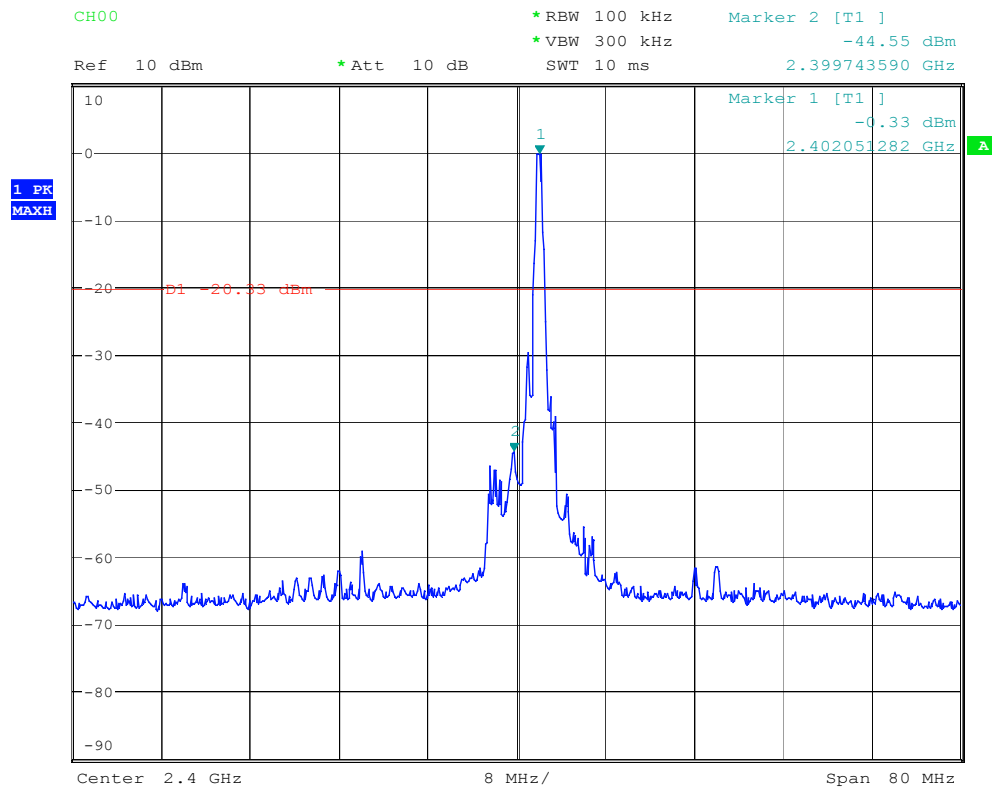
| Equipment | Manufacturer | Model No. | Next Cal. Due |
|-------------------|-----------------|-----------|---------------|
| Spectrum Analyzer | Rohde & Schwarz | FSU46 | 10/03/2005 |

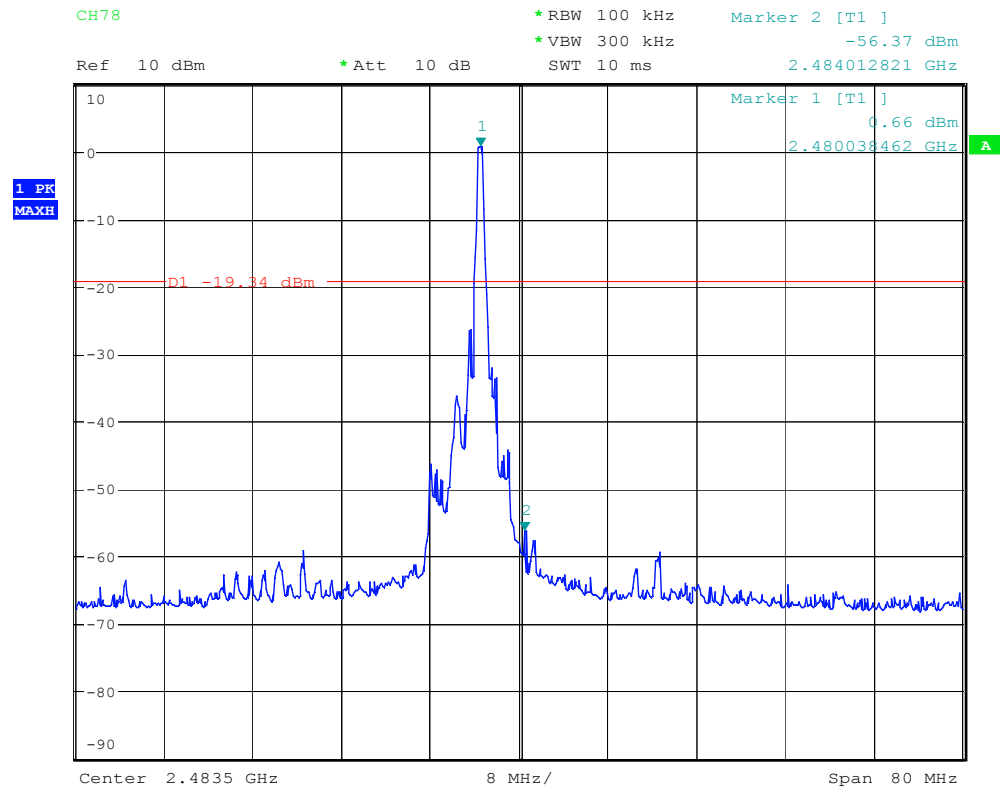
9.4 Measurement Data

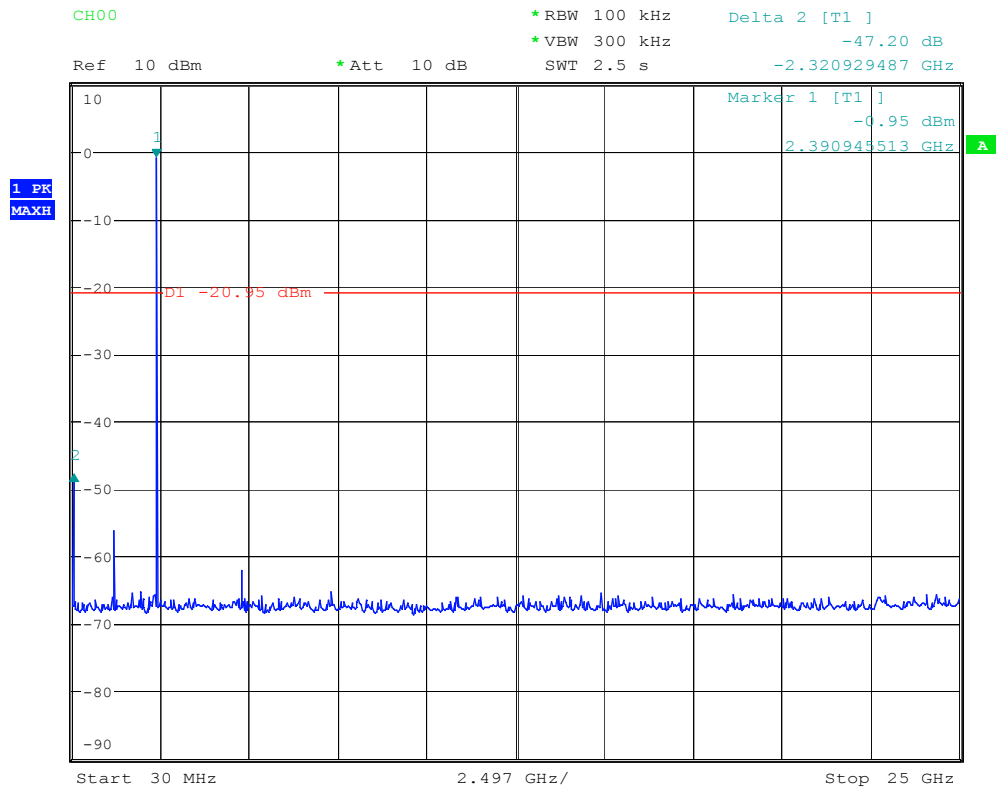
Test Date : Jun. 15, 2005Temperature : 19°CHumidity : 55%

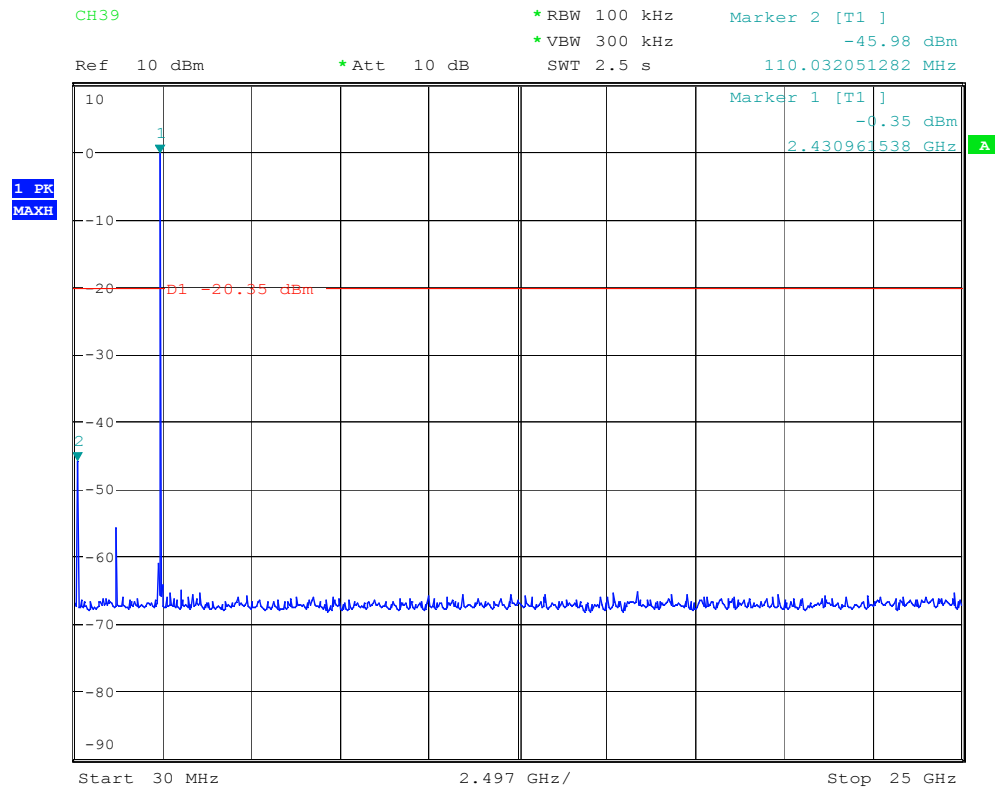
| Channel | Test Frequency Range | Note | Chart |
|---------|-------------------------|-----------------|---------|
| 0 | 2360 MHz - 2440 MHz | Lower Band Edge | Page 56 |
| 78 | 2443.5 MHz - 2523.5 MHz | Upper Band Edge | Page 57 |
| 0 | 30 MHz - 25 GHz | | Page 58 |
| 39 | 30 MHz - 25 GHz | | Page 59 |
| 78 | 30 MHz - 25 GHz | | Page 60 |

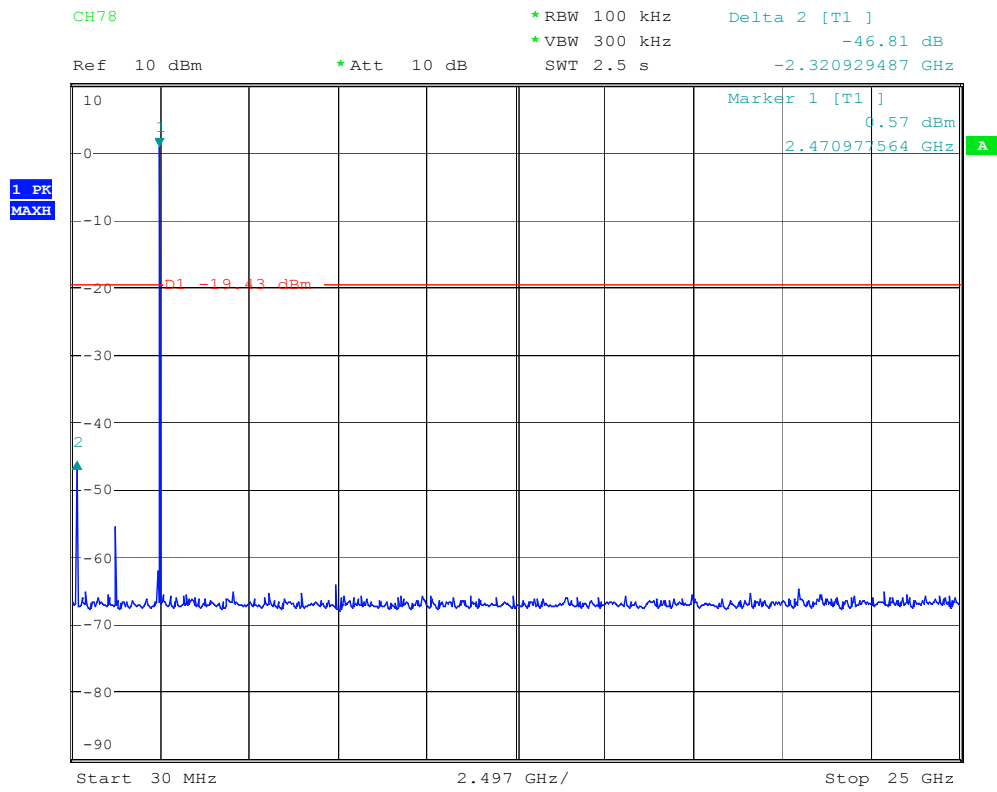
Note: Please refer to page 56 to page 60 for chart.











10 NUMBER of HOPPING CHANNELS

10.1 Standard Applicable

According to 15.247(b)(1), for frequency hopping systems, operating in the 2400-2483.5MHz band employing at least 75 hopping channels

10.2 Measurement Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. The setup of the EUT as shown in figure 4. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set EUT to hopping operating mode and set spectrum analyzer maximum to measure the number of hopping channels.

10.3 Measurement Equipment

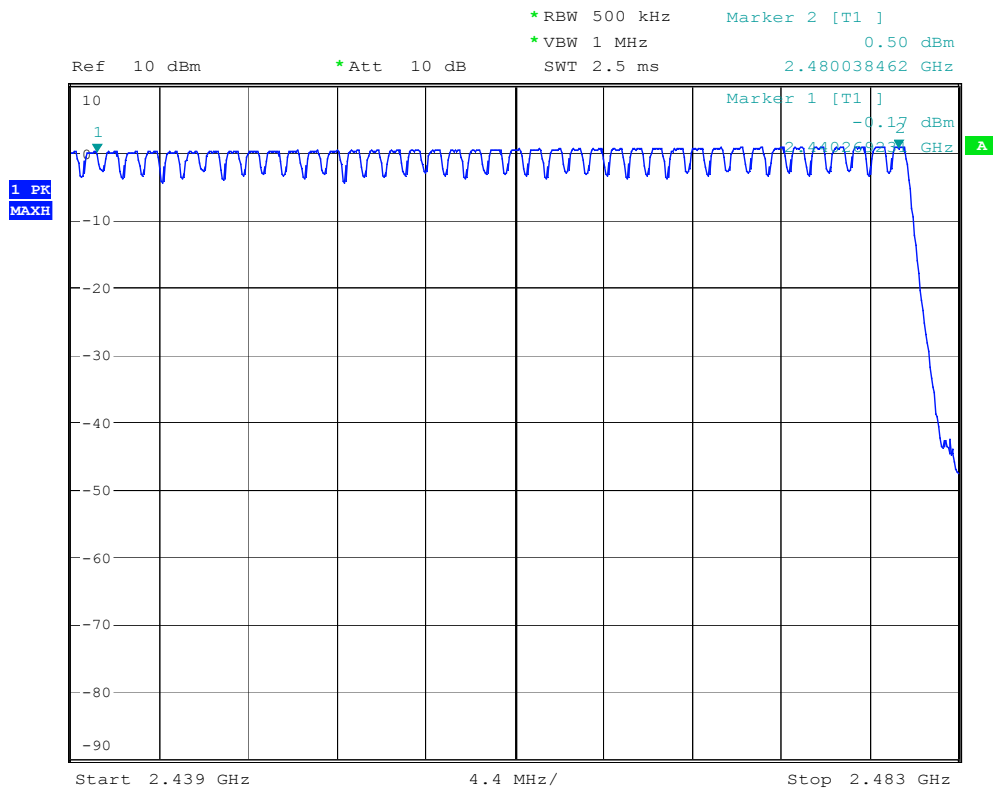
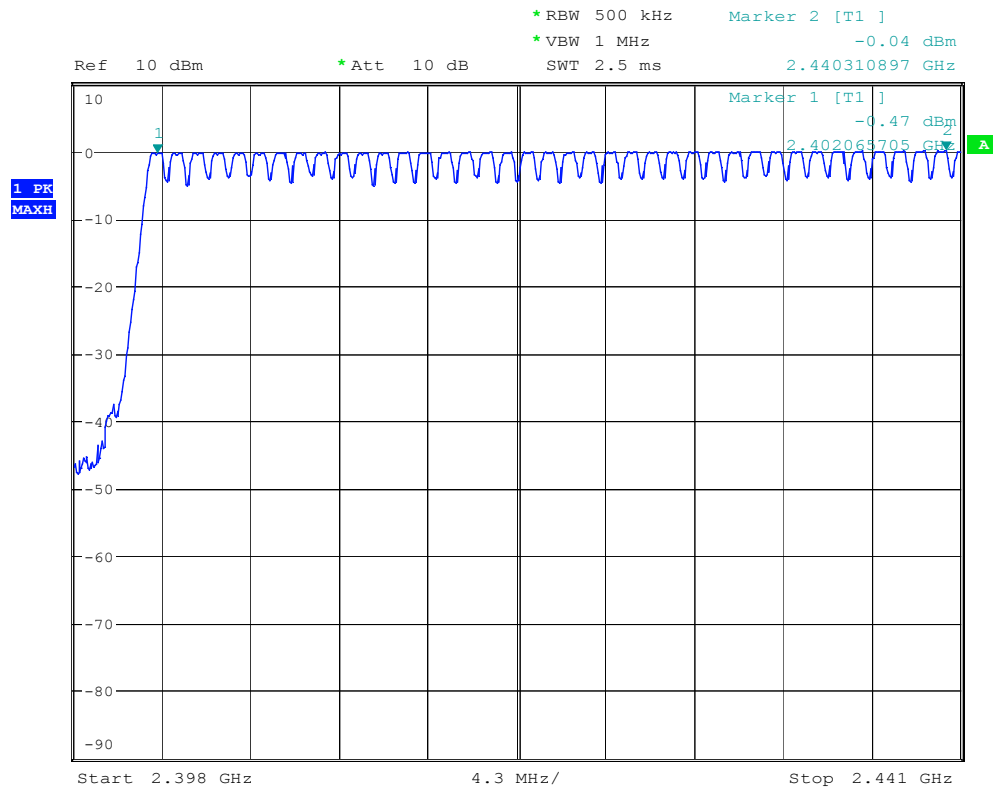
| Equipment | Manufacturer | Model No. | Next Cal. Due |
|-------------------|-----------------|-----------|---------------|
| Spectrum Analyzer | Rohde & Schwarz | FSU46 | 10/03/2005 |

10.4 Measurement Data

Test Date : Jun. 15, 2005 Temperature : 19°C Humidity : 55%

Number of hopping channels = 79 channels

Note: Please refer to page 62 for chart



11 HOPPING CHANNEL CARRIER FREQUENCY SEPARATED

11.1 Standard Applicable

According to 15.247(a)(1), the frequency hopping system shall have hopping channel carrier frequencies separated by minimum of 25kHz or the 20dB bandwidth of hopping channel, whichever is greater.

11.2 Measurement Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. The setup of the EUT as shown in figure 4. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any measurement frequency within its operating range and make sure the instrument is operated in its linear range.
3. Set spectrum analyzer maximum hold to measure channel carrier frequency, then adjust channel carrier frequency to adjacent channel.
4. Repeat above procedure until all measured frequencies were complete.

11.3 Measurement Equipment

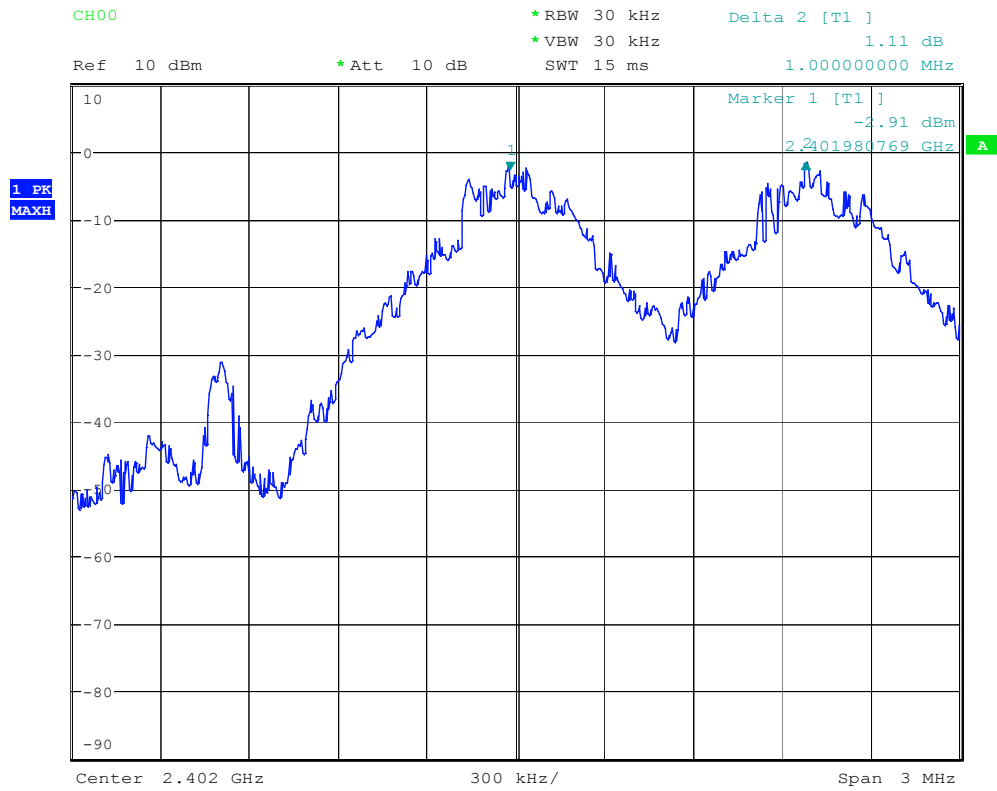
| Equipment | Manufacturer | Model No. | Next Cal. Due |
|-------------------|-----------------|-----------|---------------|
| Spectrum Analyzer | Rohde & Schwarz | FSU46 | 10/03/2005 |

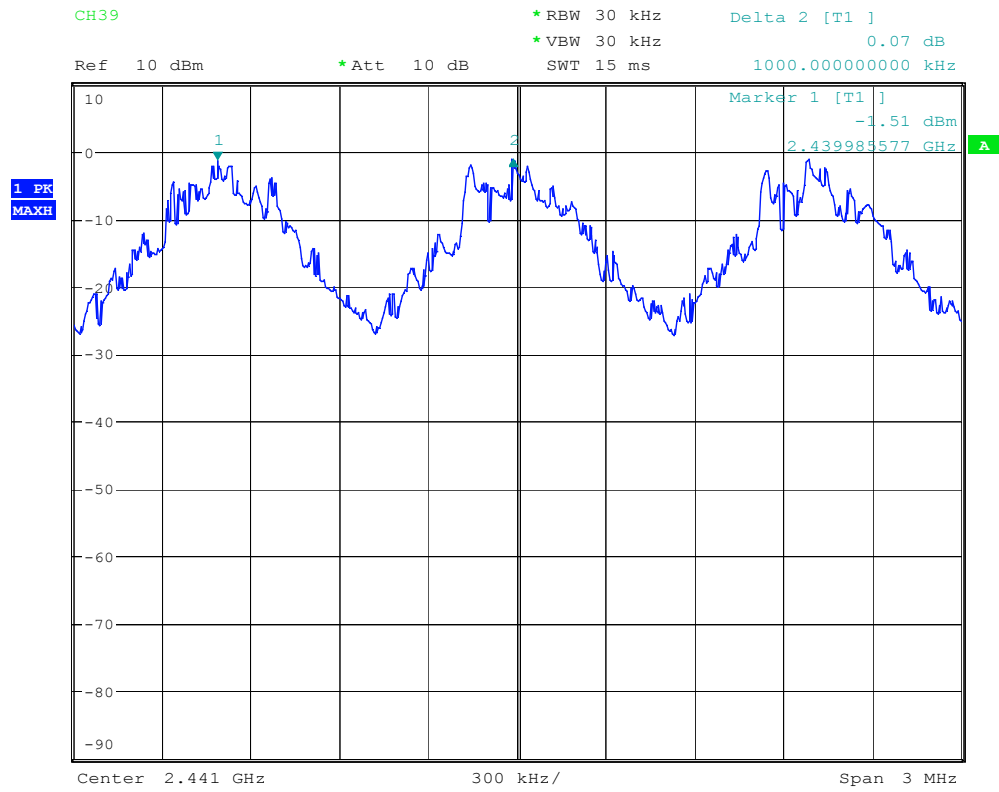
11.4 Measurement Data

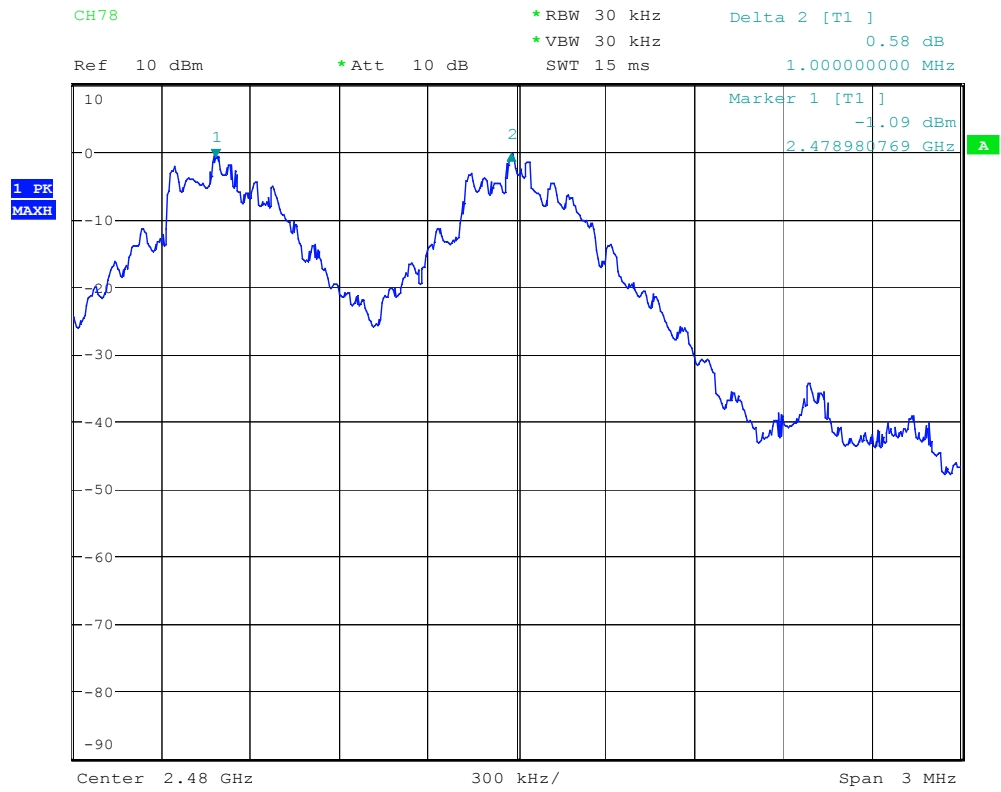
Test Date : Jun. 15, 2005Temperature : 19°CHumidity : 55%

| Channel | Frequency (MHz) | Hopping Channel Carrier Frequency Separated (MHz) | Chart |
|---------|--------------------|--|---------|
| 0 | 2402 | 1 | Page 65 |
| 39 | 2441 | 1 | Page 66 |
| 78 | 2480 | 1 | Page 67 |

Note: Please refer to page 65 to page 67 for chart.







12 POWER SPECTRAL DENSITY

12.1 Standard Applicable

According to 15.247(d), for bluetooth device, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

12.2 Measurement Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. The setup of the EUT as shown in figure 4. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any measured frequency within its operating range and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 3kHz, VBW to 30 kHz, sweep 300kHz and sweep time 100 sec.
4. Measure the highest amplitude appearing on spectral display and record the level to calculate result data.
5. Repeat above procedures until all frequencies measured were complete.

12.3 Measurement Equipment

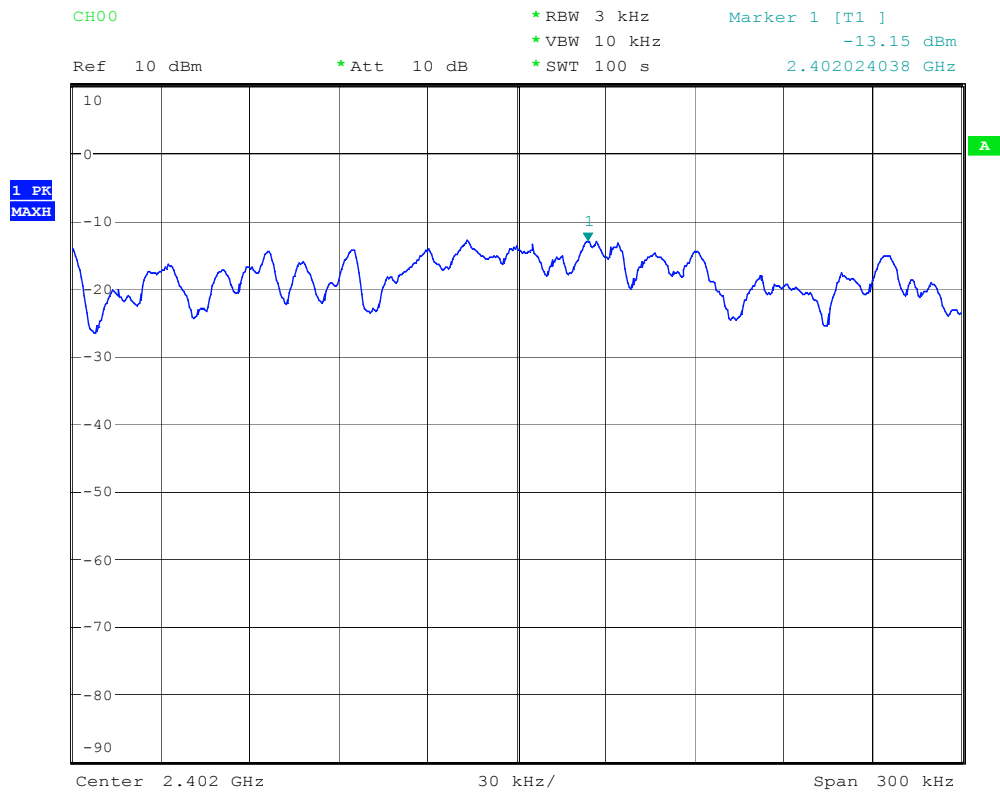
| Equipment | Manufacturer | Model No. | Next Cal. Due |
|-------------------|-----------------|-----------|---------------|
| Spectrum Analyzer | Rohde & Schwarz | FSU46 | 10/03/2005 |

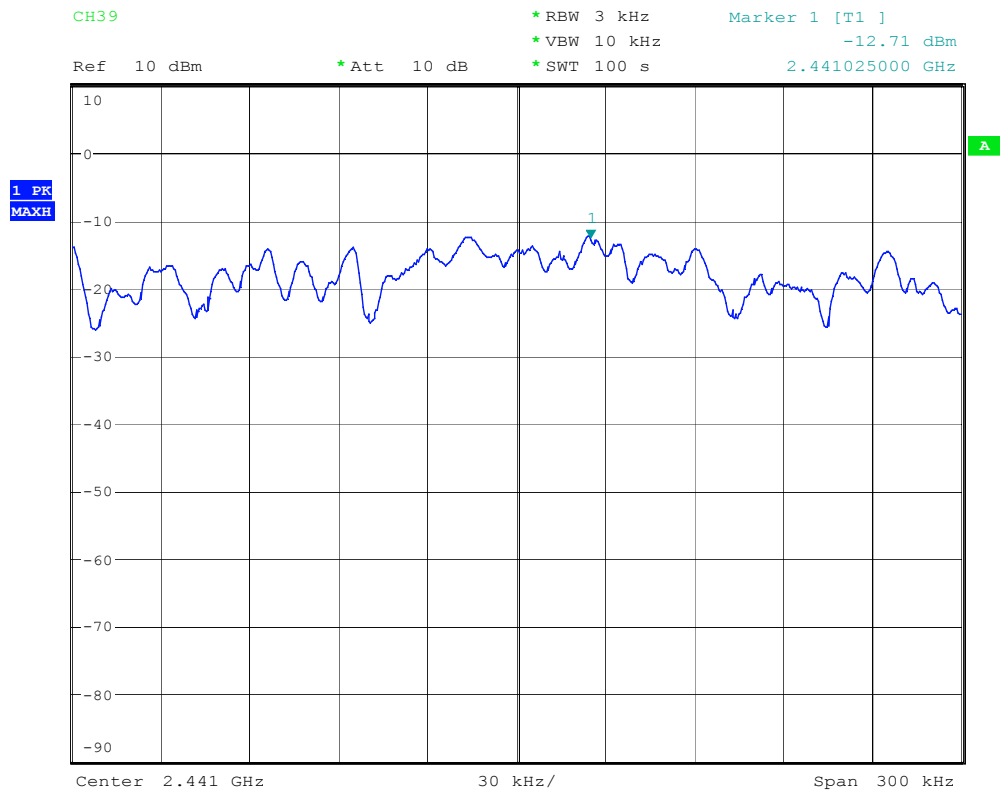
12.4 Measurement Data

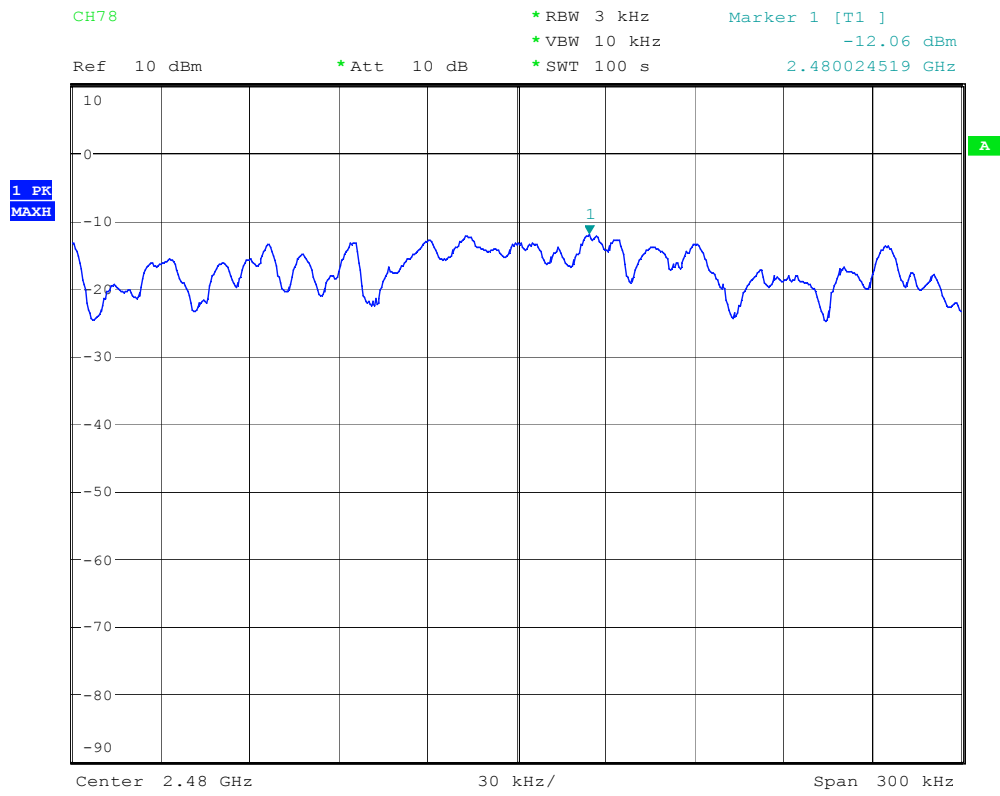
Test Date : Jun. 15, 2005Temperature : 19°CHumidity : 55%

| Channel | Frequency (MHz) | Reading (dBm) | Cable Loss (dB) | Power Spectral Density (dBm) | FCC Limit (dBm) | Chart |
|---------|--------------------|------------------|--------------------|---------------------------------|--------------------|---------|
| 0 | 2402 | -13.2 | 0.5 | -12.7 | 8 | Page 70 |
| 39 | 2441 | -12.7 | 0.5 | -12.2 | 8 | Page 71 |
| 78 | 2480 | -12.1 | 0.5 | -11.6 | 8 | Page 72 |

Note: Please refer to page 70 to page 72 for chart.







13 Dwell Time

13.1 Standard Applicable

According to 15.247(a)(1)(iii), frequency hopping system in the 2400-2483.5MHz band employing at least 15 non-overlapping channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 second multiplied by the number of hopping channels employed.

13.2 Measurement Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. The setup of the EUT as shown in figure 4.

13.3 Measurement Equipment

| Equipment | Manufacturer | Model No. | Next Cal. Due |
|-------------------|-----------------|-----------|---------------|
| Spectrum Analyzer | Rohde & Schwarz | FSU46 | 10/03/2005 |

13.4 Measurement Data

Test Date : Jun. 15, 2005

Temperature : 19°C

Humidity : 55%

DH1

Test period=0.4(second/channel)× 79 channel=31.6sec

$$a) \quad 2402\text{MHz dwell time} = 416.667 \text{ us} \times \frac{800}{79} \times 31.6 = 133.333 \text{ ms}$$

$$b) \quad 2441\text{MHz dwell time} = 416.667 \text{ us} \times \frac{800}{79} \times 31.6 = 133.333 \text{ ms}$$

$$c) \quad 2480\text{MHz dwell time} = 416.667 \text{ us} \times \frac{800}{79} \times 31.6 = 133.333 \text{ ms}$$

Note: Please refer to page 74 to page 79 for chart.

