



FCC 47 CFR PART 15 SUBPART C AND ANSI C63.4:2003
TEST REPORT

For

FOXL

Model : V2 BLUETOOTH

Trade Name : Soundmatters

Issued for

Soundmatters international, inc.

8060 Double R. Blvd. Suite 100, Reno NV 89511. U.S.A

Issued by

Compliance Certification Services Inc.

Hsinchu Lab.

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Revision History

| Rev. | Issue Date | Revisions | Effect Page | Revised By |
|------|------------|---------------|-------------|------------|
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1. TEST REPORT CERTIFICATION

Applicant : Soundmatters international, inc.
Address : 8060 Double R. Blvd. Suite 100, Reno NV 89511. U.S.A
Equipment Under Test : FOXL
Model : V2 BLUETOOTH
Trade Name : Soundmatters
Tested Date : June 09 ~ July 05, 2010

| APPLICABLE STANDARD | |
|--|-------------|
| Standard | Test Result |
| FCC Part 15 Subpart C AND ANSI C63.4:2003 | PASS |

WE HEREBY CERTIFY THAT: The above equipment has been tested by Compliance Certification Services Inc., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Alex Chiu
Approved by:

Alex Chiu
Director

Gundam Lin
Reviewed by:

Gundam Lin
Team Leader



2. EUT DESCRIPTION

2.1 DESCRIPTION OF EUT & POWER

| | |
|-----------------------------------|---|
| Product Name | FOXL |
| Model Number | V2 BLUETOOTH |
| Received Date | June 09, 2010 |
| Frequency Range | 2402MHz to 2480MHz $f = 2402 + n\text{MHz}$, $n = 0, \dots, 78$ |
| Transmit Power | 3.98 dBm (0.0025W) |
| Channel Spacing | 1MHz |
| Channel Number | 79 Channels |
| Transmit Data Rate | GFSK (1Mbps), $\pi/4$ -DQPSK (2Mbps), 8-DPSK (3Mbps) |
| Type of Modulation | Frequency Hopping Spread Spectrum |
| Frequency Selection | by software / firmware |
| Transmitter Classification | portable device |
| Antenna Type | PCB Antenna, Antenna Gain : -2.13dBi |
| DC Power Cord Type | Unshielded cable 1.4 m (no detachable) |
| Power Source | Normal Mode: 3.7VDC(Battery Powered) Charging Mode: 5.0VDC (From Notebook PC, Powered From Host Device & power adapter) |
| RF Exposure Evaluation | Since the EUT is classed portable device, and the maximum peak power is 3.98 dBm (<13.6dBm), the MPE evaluation is not required and no SAR consideration applied. |
| I/O Port | Mini USB port x 1, Audio port x 1, Power port x 1, Headset / Microphone port x 1 |

Power Adapter :

| No. | Manufacturer | Model No. | Power Input | Power Output |
|-----|--------------|------------|---------------------------|--------------|
| 1 | SUNFONE | ACE010A-05 | 100-240V , 50/60Hz , 0.4A | 5V , 2A |

Remark :

1. The sample selected for test was engineering sample that approximated to production product and was provided by manufacturer.
2. For more details, please refer to the User's manual of the EUT.
3. This submittal(s) (test report) is intended for FCC ID: YOSFOXL filing to comply with Section 15.207, 15.209 and 15.247 of the FCC Part 15, Subpart C Rules.



3. DESCRIPTION OF TEST MODES

The EUT (V2 BLUETOOTH) had been tested under operating condition.

There are three channels have been tested as following :

| Channel | Frequency (MHz) |
|---------|-----------------|
| Low | 2402 |
| Middle | 2441 |
| High | 2480 |

Radiated Emission Test (Below 1 GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

Normal Linking

Radiated Emission Test (Above 1 GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

| Tested Channel | Modulation Technology | Modulation Type | Packet Type |
|----------------|-----------------------|-----------------|-------------|
| Low, Mid, High | FHSS | GFSK | DH5 |
| Low, Mid, High | FHSS | 8-DPSK | 3-DH5 |

Bandedge Measurement :

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

| Tested Channel | Modulation Technology | Modulation Type | Packet Type |
|----------------|-----------------------|-----------------|-------------|
| Low, High | FHSS | GFSK | DH5 |
| Low, High | FHSS | 8-DPSK | 3-DH5 |



Antenna Port Conducted Measurement :

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

| Tested Channel | Modulation Technology | Modulation Type | Packet Type |
|----------------|-----------------------|-----------------|-------------|
| Low, Mid, High | FHSS | GFSK | DH5 |
| Low, Mid, High | FHSS | 8-DPSK | 3-DH5 |

4. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4 : 2003 and FCC CFR 47, 15.207, 15.209 and 15.247.

5. FACILITIES AND ACCREDITATION

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

NO. 989-1 Wen Shan Rd., Shang Shan Village,
Qionglin Shiang Hsinchu County 30741, Taiwan, R.O.C

The sites are constructed in conformance with the requirements of ANSI C63.4 :2003 and CISPR 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4, CISPR 16-1-5.



5.2 ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

Taiwan TAF

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Taiwan BSMI
USA FCC MRA

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.ccsrf.com>

5.3 MEASUREMENT UNCERTAINTY

The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4-2.

| PARAMETER | UNCERTAINTY |
|--|-------------|
| Open Area Test Site (OATS No.3) / Radiated Emission, 30 to 200 MHz | +/- 3.9267 |
| Open Area Test Site (OATS No.3) / Radiated Emission, 200 to 1000 MHz | +/- 3.6899 |
| Semi Anechoic Chamber (966 Chamber) / Radiated Emission, 30 to 200 MHz | +/- 3.6878 |
| Semi Anechoic Chamber (966 Chamber) / Radiated Emission, 200 to 1000 MHz | +/- 3.0885 |
| Semi Anechoic Chamber (966 Chamber) / Radiated Emission, 1 to 26.5GHz | +/- 3.2000 |
| Conducted Emission, 9kHz to 30MHz | +/- 1.7468 |

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard (e.g. CISPR 22: 2006, clause 11, Measurement Uncertainty) determining compliance with the limits shall be base on the results of the compliance measurement. Consequently the measure emissions being less than the maximum allowed emission result in this be a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is base on conducted and radiated emissions being less than U_{CISPR} which is 3.6dB and 5.2dB respectively. CCS values (called U_{Lab} in CISPR 16-4-2) is less than U_{CISPR} as shown in the table above. Therefore, MU need not be considered for compliance.



6. SETUP OF EQUIPMENT UNDER TEST

SUPPORT EQUIPMENT

| No. | Product | Manufacturer | Model No. | Serial No. | FCC ID |
|-----|-------------|----------------|---------------|--------------------------|-----------|
| 1 | Notebook PC | DELL | Latitude D610 | CN-0XD762-48643-637-1743 | E2K24BNHM |
| 2 | Notebook PC | Lenovo ideaPad | S10e_4068-RZ1 | L3CEV2D | HFS-FL |

SETUP DIAGRAM FOR TESTS

EUT & peripherals setup diagram is shown in appendix setup photos.

EUT OPERATING CONDITION

RF Mode

1. Setup all computers like the setup diagram.
2. Run CSR Blue Test3 software.
3. Select the following settings,

Transport type: BCSP

Serial port: com2

Baud rate: 9600

4. TX mode(GFSK)
 - TXDATA1
 - LO Freq: 2402, 2441, 2480
 - Power (EXT, Int): 255, 49
 - CFG PKT, Packet Type: 15
 - Packet Size: 339

TX mode (8-DPSK)

TXDATA1

LO Freq: 2402, 2441, 2480

Power (EXT, Int): 255, 49

CFG PKT, Packet Type: 31

Packet Size: 1021

5. All of the functions are under run.
6. Start test.

Normal Mode

1. Setup all computers like the setup diagram.
2. Build up a connection between EUT and Notebook (play music).
3. All of the functions are under run.
4. Start test.



7. FCC PART 15.247 REQUIREMENTS

7.1 20dB BANDWIDTH FOR HOPPING

LIMITS

Limit : N/A

TEST EQUIPMENT

| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
|-------------------|--------------|--------|---------------|-----------------|
| Spectrum Analyzer | AGILENT | E4446A | MY43360132 | 06/20/2011 |
| Spectrum Analyzer | AGILENT | E4446A | MY46180323 | 05/02/2011 |

Remark: Each piece of equipment is scheduled for calibration once a year.

TEST SETUP



TEST PROCEDURE

The 20dB band width was measured with a spectrum analyzer connected to RF antenna connector(conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency. The analyzer center frequency was set to the EUT carrier frequency, using the analyzer. Display Line and Marker Delta functions, the 20dB band width of the emission was determined.



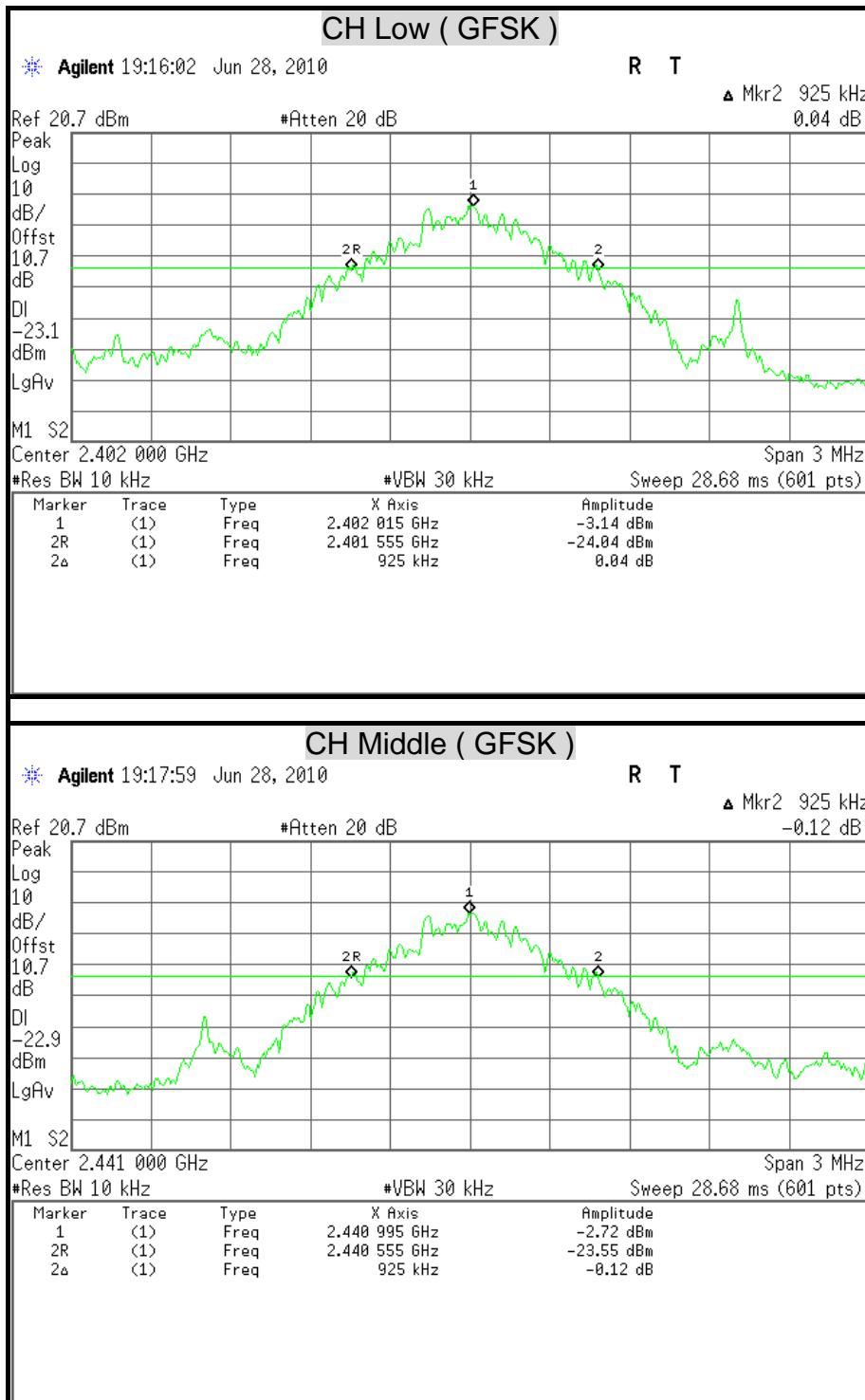
TEST RESULTS

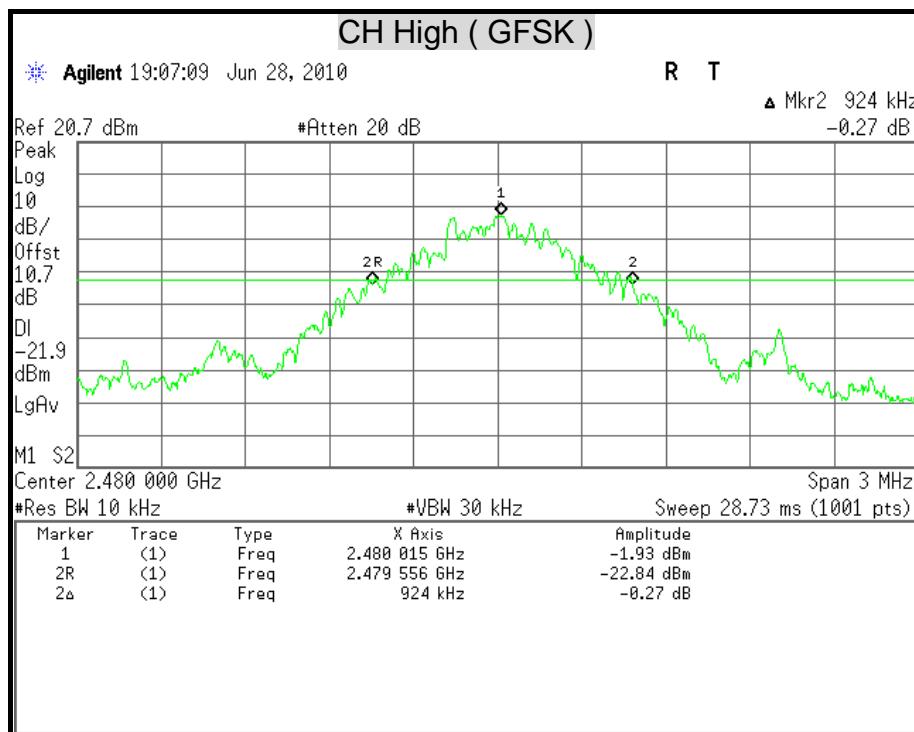
Modulation Type: GFSK, CFG PKT Packet Type: 15 Packet Size: 339 (DH5)

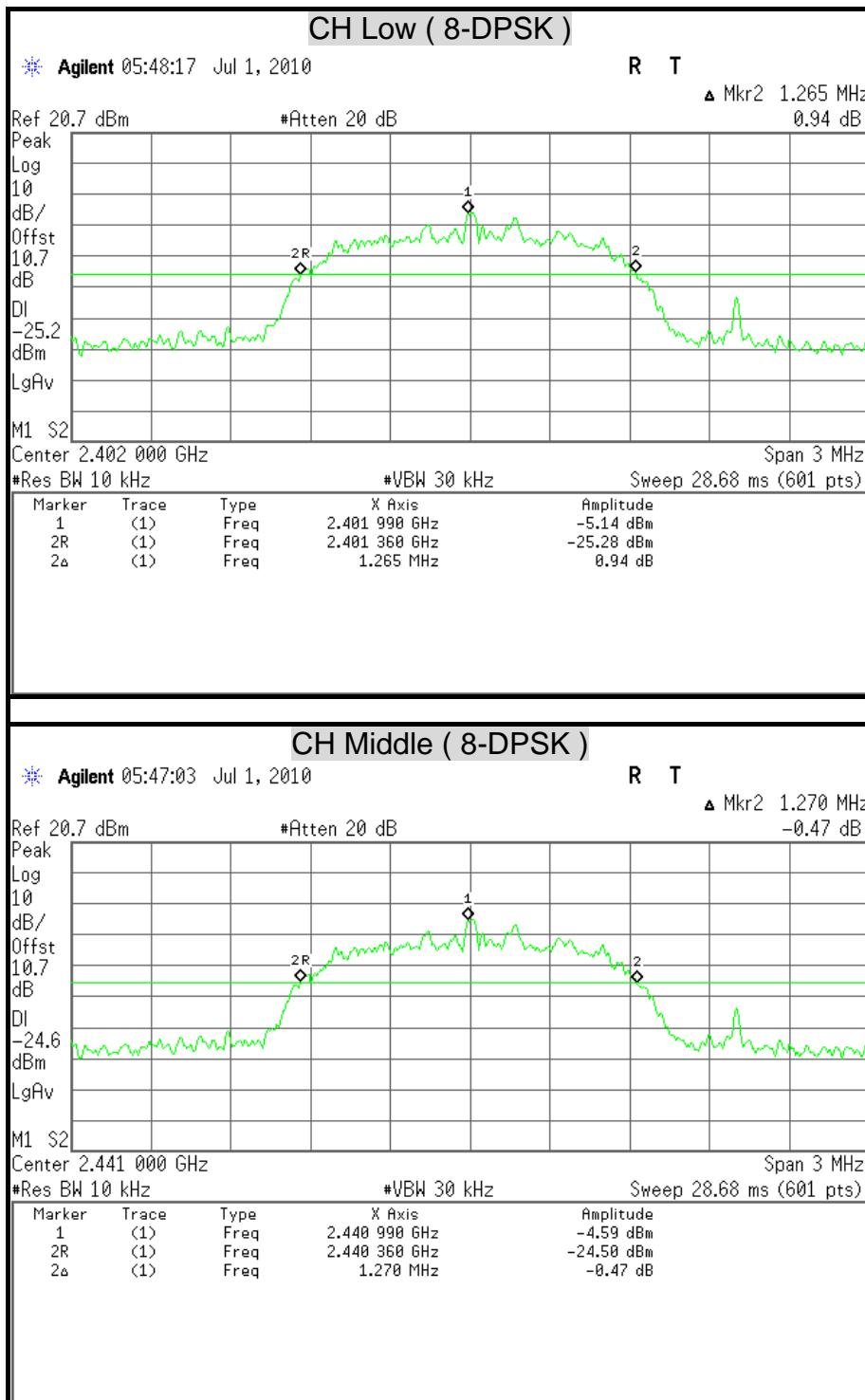
| Channel | Channel Frequency (MHz) | 20dB Bandwidth (MHz) | Result |
|---------|-------------------------|----------------------|--------|
| Low | 2402 | 0.925 | N/A |
| Middle | 2441 | 0.925 | N/A |
| High | 2480 | 0.924 | N/A |

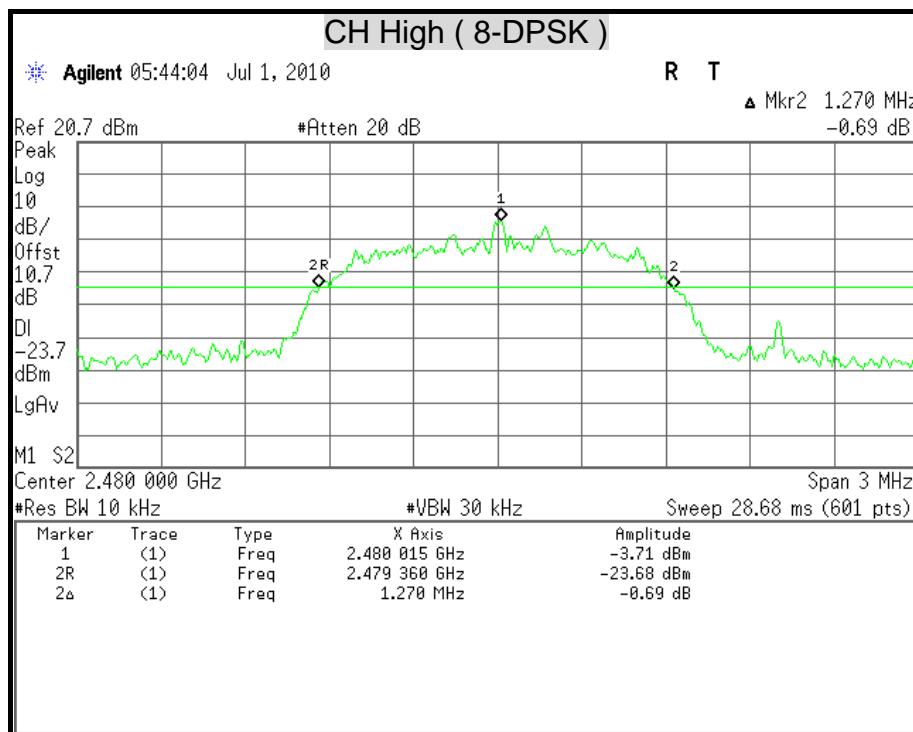
Modulation Type: 8-DPSK, CFG PKT Packet Type: 31 Packet Size: 1021 (3-DH5)

| Channel | Channel Frequency (MHz) | 20dB Bandwidth (MHz) | Result |
|---------|-------------------------|----------------------|--------|
| Low | 2402 | 1.265 | N/A |
| Middle | 2441 | 1.270 | N/A |
| High | 2480 | 1.270 | N/A |

**20dB BANDWIDTH**









7.2 MAXIMUM PEAK OUTPUT POWER

LIMITS

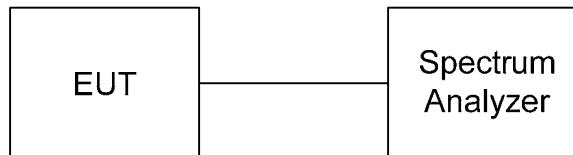
§15.247(b)(1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

TEST EQUIPMENT

| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
|-------------------|--------------|--------|---------------|-----------------|
| Spectrum Analyzer | AGILENT | E4446A | MY43360132 | 06/20/2011 |
| Spectrum Analyzer | AGILENT | E4446A | MY46180323 | 05/02/2011 |

Remark: Each piece of equipment is scheduled for calibration once a year.

TEST SETUP



TEST PROCEDURE

The RF power output was measured with a spectrum analyzer connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency, a spectrum analyzer was used to record the shape of the transmit signal.

**TEST RESULTS**

Modulation Type: GFSK ,CFG PKT Packet Type: 15 Packet Size: 339 (DH5)

| Channel | Channel Frequency (MHz) | Peak Power | | Peak Power Limit | | Result |
|---------|-------------------------|------------|--------|------------------|-------|--------|
| | | (dBm) | (W) | (dBm) | (W) | |
| Low | 2402 | 2.89 | 0.0019 | 20.97 | 0.125 | PASS |
| Middle | 2441 | 3.50 | 0.0022 | 20.97 | 0.125 | PASS |
| High | 2480 | 3.98 | 0.0025 | 20.97 | 0.125 | PASS |

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

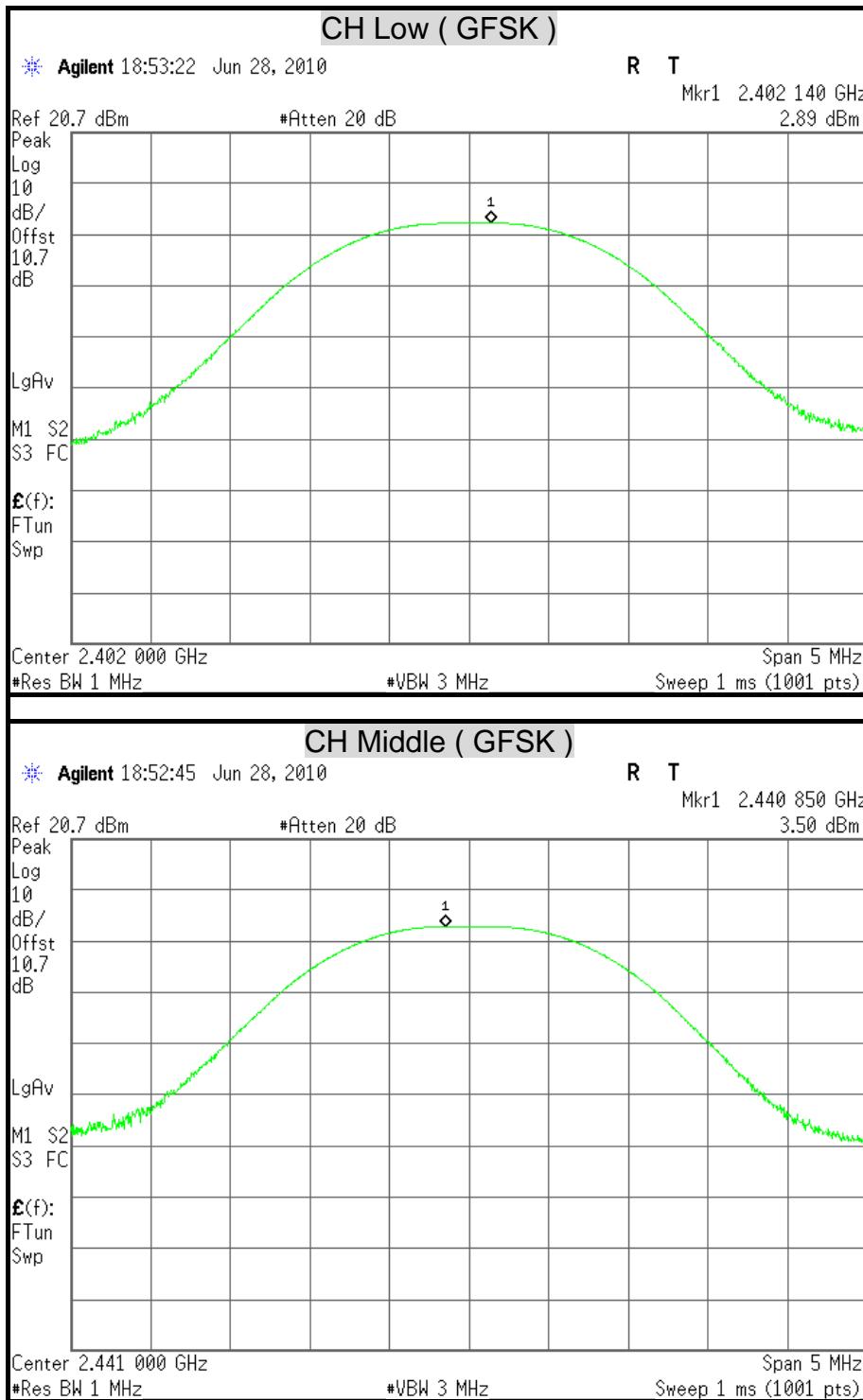
Modulation Type: 8-DPSK ,CFG PKT Packet Type: 31 Packet Size: 1021 (3-DH5)

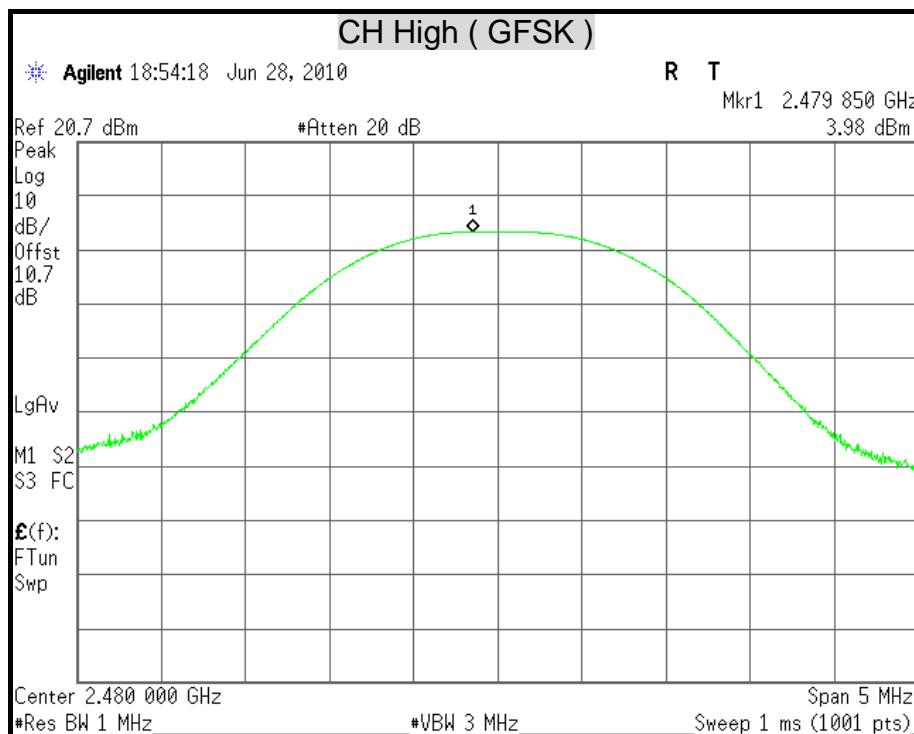
| Channel | Channel Frequency (MHz) | Peak Power | | Peak Power Limit | | Result |
|---------|-------------------------|------------|--------|------------------|-------|--------|
| | | (dBm) | (W) | (dBm) | (W) | |
| Low | 2402 | 1.74 | 0.0015 | 20.97 | 0.125 | PASS |
| Middle | 2441 | 2.32 | 0.0017 | 20.97 | 0.125 | PASS |
| High | 2480 | 2.89 | 0.0019 | 20.97 | 0.125 | PASS |

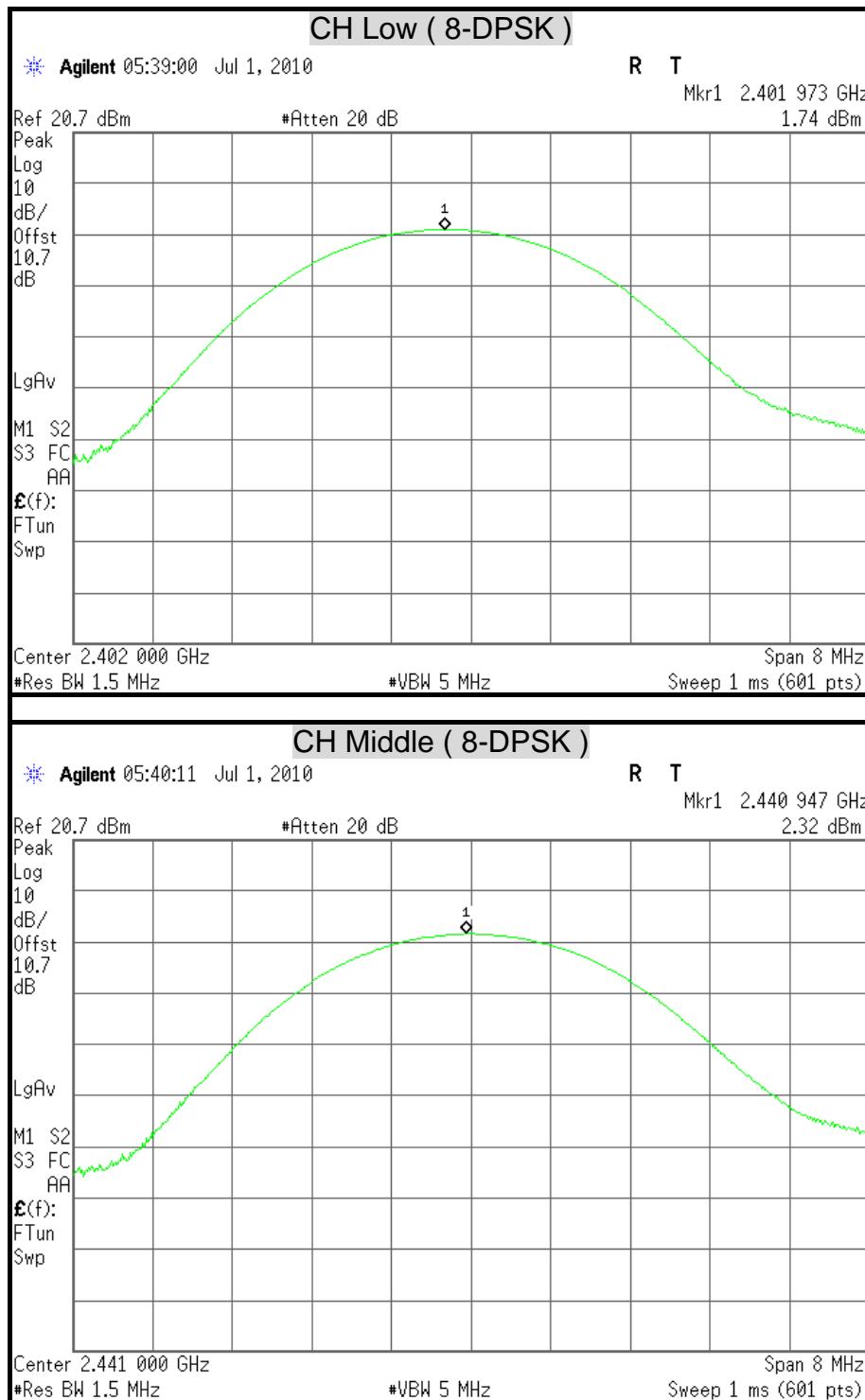
Remark: The cable assembly insertion loss of 10.7dB (including 10 dB pad and 0.7 dB cable) was
Entered as an offset in the spectrum analyzer to allow for direct reading of power.

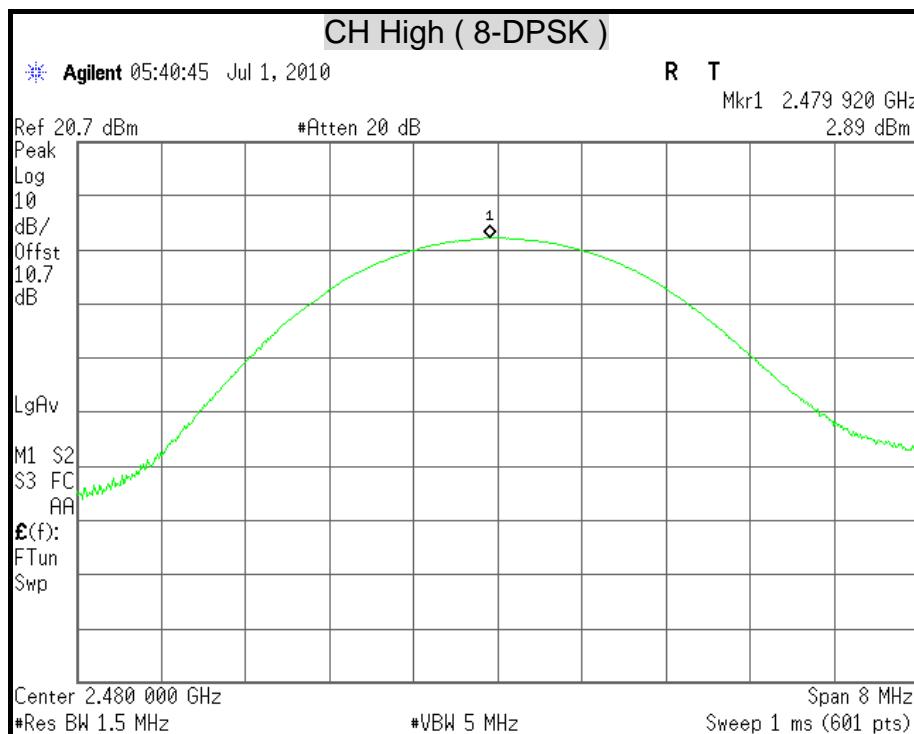


MAXIMUM PEAK OUTPUT POWER











7.3 HOPPING CHANNEL SEPARATION

LIMITS

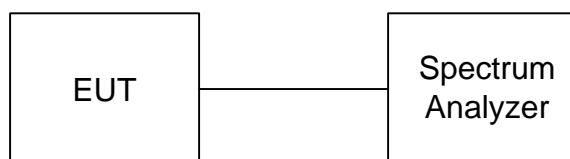
§15.247(a)(1) Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudorandomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

TEST EQUIPMENT

| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
|-------------------|--------------|--------|---------------|-----------------|
| Spectrum Analyzer | AGILENT | E4446A | MY43360132 | 06/20/2011 |
| Spectrum Analyzer | AGILENT | E4446A | MY46180323 | 05/02/2011 |

Remark: Each piece of equipment is scheduled for calibration once a year.

TEST SETUP



TEST PROCEDURE

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT as shown in test setup without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range.
3. By using the MaxHold function record the separation of adjacent channels.
4. Measure the frequency difference of these two adjacent channels by spectrum analyzer MARK function. And then plot the result on spectrum analyzer screen.
5. Repeat above procedures until all frequencies measured were complete.



TEST RESULTS

Refer to section 8.1, 20dB bandwidth measurement, the measured channel separation should be greater than two-third of 20dB bandwidth or Minimum bandwidth.

Modulation Type: GFSK, CFG PKT Packet Type: 15 Packet Size: 339 (DH5)

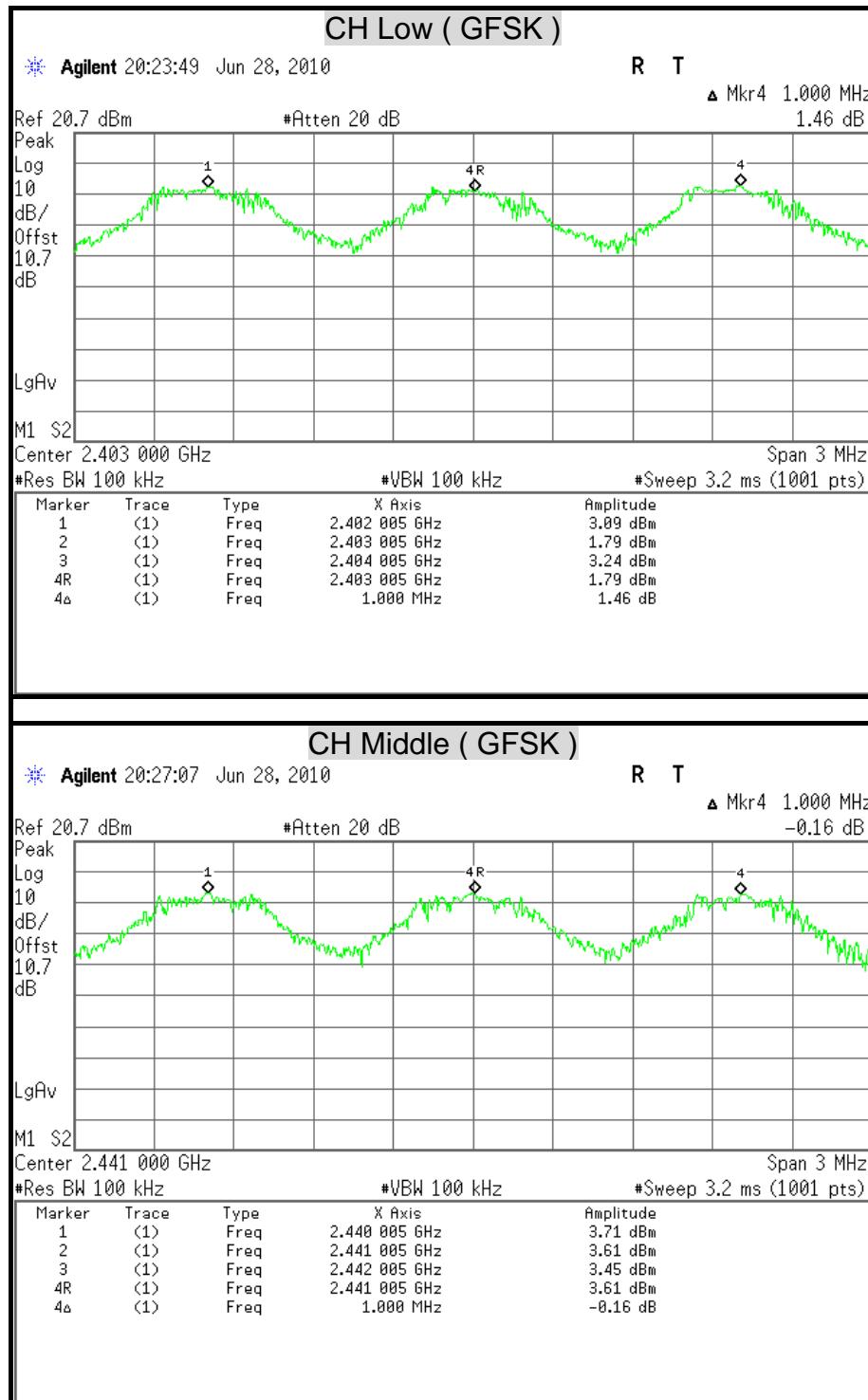
| Channel | Channel Frequency (MHz) | Adjacent Hopping Channel Separation (kHz) | Two –third of 20dB bandwidth (kHz) | Minimum Bandwidth | Result |
|---------|-------------------------|---|------------------------------------|-------------------|--------|
| Low | 2402 | 1000 | 616.67 | 25 kHz | PASS |
| Middle | 2441 | 1000 | 616.67 | 25 kHz | PASS |
| High | 2480 | 1000 | 616.00 | 25 kHz | PASS |

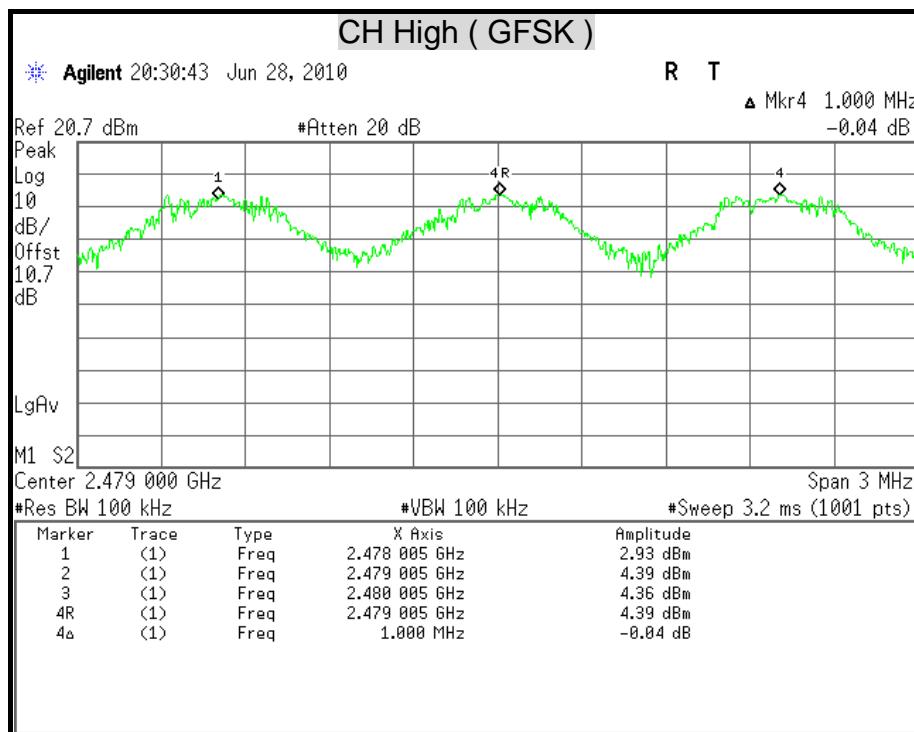
Modulation Type: 8-DPSK, CFG PKT Packet Type: 31 Packet Size: 1021 (3-DH5)

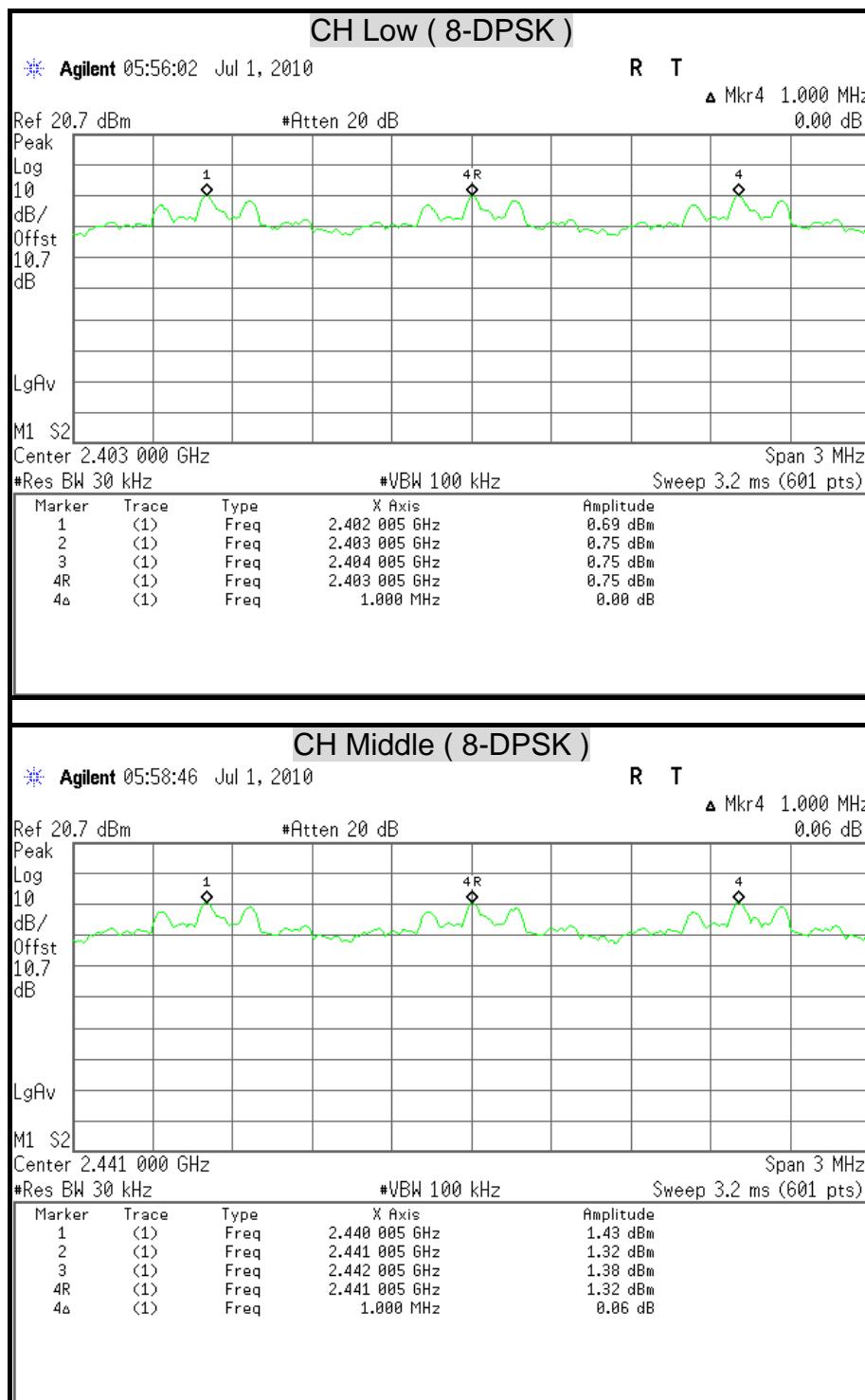
| Channel | Channel Frequency (MHz) | Adjacent Hopping Channel Separation (kHz) | Two –third of 20dB bandwidth (kHz) | Minimum Bandwidth | Result |
|---------|-------------------------|---|------------------------------------|-------------------|--------|
| Low | 2402 | 1000 | 843.33 | 25 kHz | PASS |
| Middle | 2441 | 1000 | 846.67 | 25 kHz | PASS |
| High | 2480 | 1000 | 846.67 | 25 kHz | PASS |

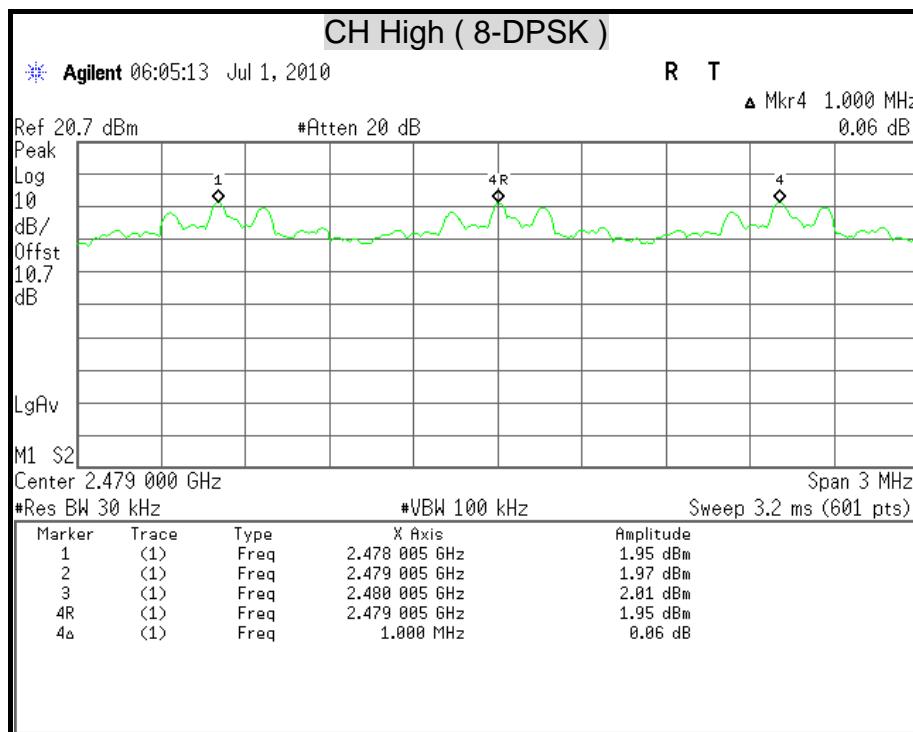


HOPPING CHANNEL SEPARATION











7.4 NUMBER OF HOPPING FREQUENCY USED

LIMITS

§15.247(a)(1)(iii) For frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

TEST EQUIPMENT

| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
|-------------------|--------------|--------|---------------|-----------------|
| Spectrum Analyzer | AGILENT | E4446A | MY43360132 | 06/20/2011 |
| Spectrum Analyzer | AGILENT | E4446A | MY46180323 | 05/02/2011 |

Remark: Each piece of equipment is scheduled for calibration once a year.

TEST SETUP



TEST PROCEDURE

1. Check the calibration of the measuring instrument (spectrum analyzer) using either an internal calibrator or a known signal from an external generator.
2. Position the EUT as shown in test setup without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
3. Set the spectrum analyzer on MaxHold Mode, and then keep the EUT in hopping mode. Record all the signals from each channel until each one has been recorded.
4. Set the spectrum analyzer on View mode and then plot the result on spectrum analyzer screen.
5. Repeat above procedures until all frequencies measured were complete.

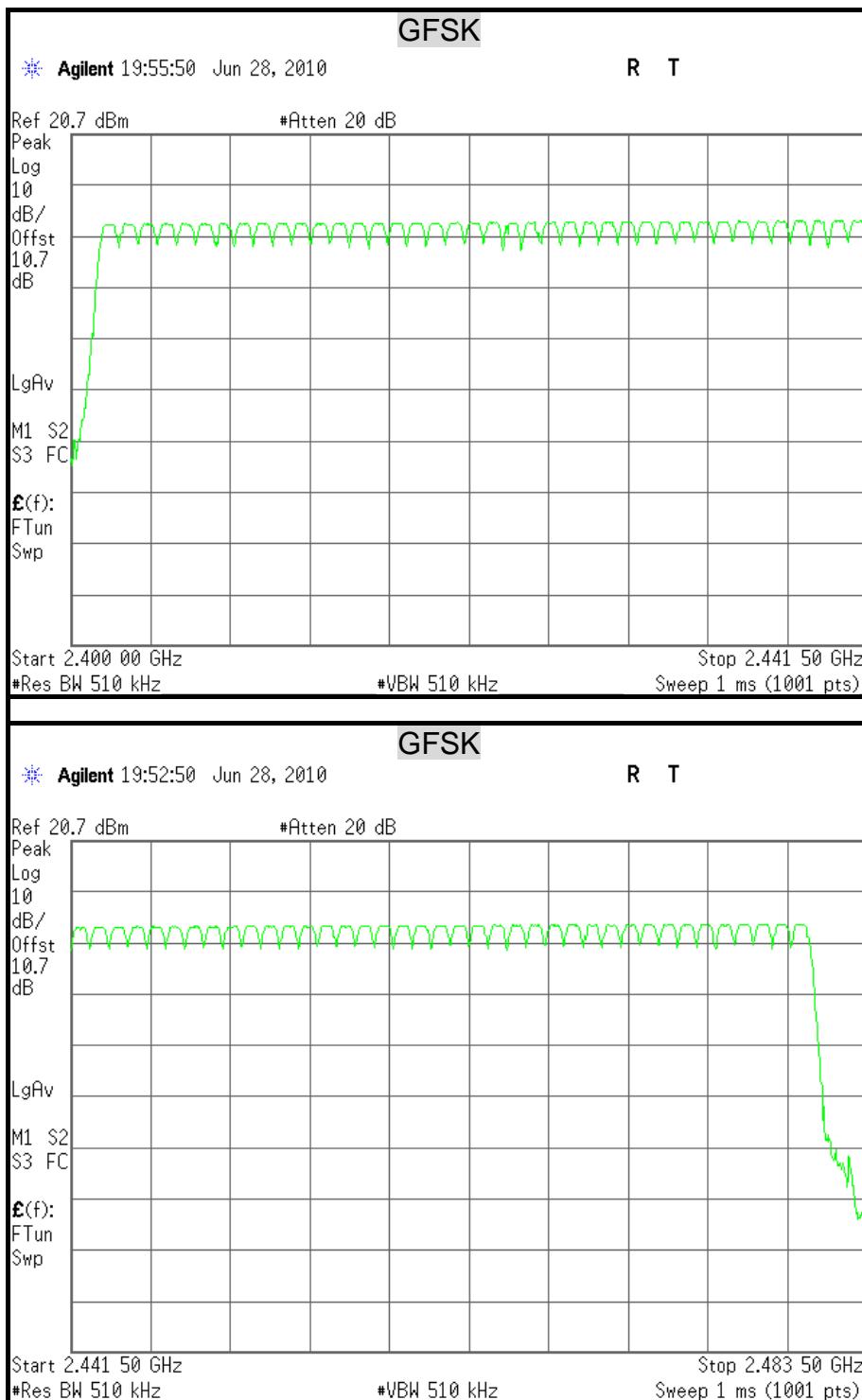
TEST RESULTS

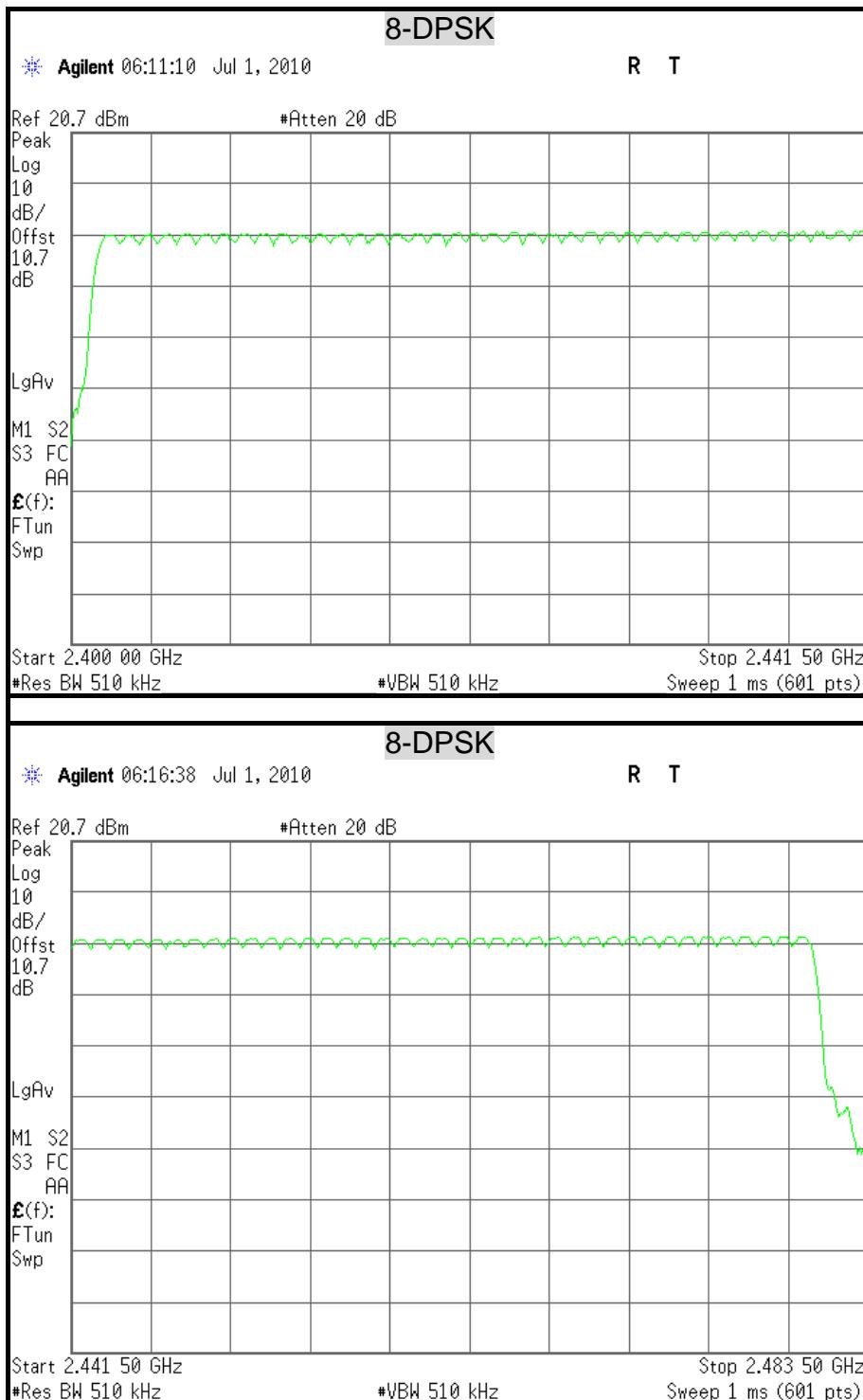
Refer to the attached plot.

There are 79 hopping frequencies in a hopping sequence.



NUMBER OF HOPPING FREQUENCY USED







7.5 DWELL TIME ON EACH CHANNEL

LIMITS

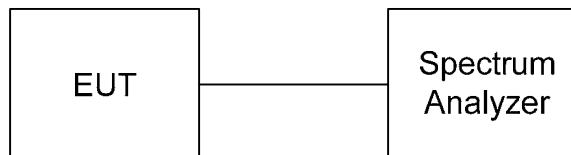
§15.247(a)(1)(iii) For frequency hopping system operating in the 2400-2483.5MHz band, the average time of occupancy on any frequency shall not be greater than 0.4 second within a 31.6 second period.

TEST EQUIPMENT

| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
|-------------------|--------------|--------|---------------|-----------------|
| Spectrum Analyzer | AGILENT | E4446A | MY43360132 | 06/20/2011 |
| Spectrum Analyzer | AGILENT | E4446A | MY46180323 | 05/02/2011 |

Remark: Each piece of equipment is scheduled for calibration once a year.

TEST SETUP



TEST PROCEDURE

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT as shown in test setup without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
3. Adjust the center frequency of spectrum analyzer on any frequency to be measured and set spectrum analyzer to zero span mode. And then, set RBW and VBW of spectrum analyzer to proper value.
4. Measure the time duration of one transmission on the measured frequency. And then plot the result with time difference of this time duration.
5. Repeat above procedures until all frequencies measured were complete.
6. The Bluetooth Headset has 3 type of payload, DH1, DH3, DH5. The hopping rate is 1600 per second.
The longer the payload is, the slower the hopping rate is.



TEST RESULTS

Time of occupancy on the TX channel in 31.6sec = time domain slot length × hop rate ÷ number of hop per channel × 31.6

Refer to the attached graph.

The hopping rates of Bluetooth devices change with different types of payload. The longer the payload is, the slower the hopping rate. The hopping rate scenario is defined in Bluetooth core specification.

Modulation Type: GFSK, CFG PKT Packet Type: 15 Packet Size: 339 (DH5)

| Channel | Channel Frequency (MHz) | Packet type | Dwell time (ms) | Time of occupancy on the TX channel in 31.6sec (ms) | Limit for Time of occupancy on the TX channel in 31.6sec (ms) | Results |
|---------|-------------------------|-------------|-----------------|---|---|---------|
| Low | 2402 | DH1 | 0.39 | 124.80 | 400 | PASS |
| | 2402 | DH3 | 1.65 | 264.00 | 400 | PASS |
| | 2402 | DH5 | 2.90 | 309.33 | 400 | PASS |
| Middle | 2441 | DH1 | 0.39 | 124.80 | 400 | PASS |
| | 2441 | DH3 | 1.65 | 264.00 | 400 | PASS |
| | 2441 | DH5 | 2.90 | 309.33 | 400 | PASS |
| High | 2480 | DH1 | 0.39 | 124.80 | 400 | PASS |
| | 2480 | DH3 | 1.65 | 264.00 | 400 | PASS |
| | 2480 | DH5 | 2.90 | 309.33 | 400 | PASS |

Remark:

Ch Low

DH1 Dwell time = $0.39 \text{ ms} \times (1600 \div 2) \div 79 \times 31.6 = 124.80 \text{ (ms)}$

DH3 Dwell time = $1.65 \text{ ms} \times (1600 \div 4) \div 79 \times 31.6 = 264.00 \text{ (ms)}$

DH5 Dwell time = $2.90 \text{ ms} \times (1600 \div 6) \div 79 \times 31.6 = 309.33 \text{ (ms)}$

Ch Middle

DH1 Dwell time = $0.39 \text{ ms} \times (1600 \div 2) \div 79 \times 31.6 = 124.80 \text{ (ms)}$

DH3 Dwell time = $1.65 \text{ ms} \times (1600 \div 4) \div 79 \times 31.6 = 264.00 \text{ (ms)}$

DH5 Dwell time = $2.90 \text{ ms} \times (1600 \div 6) \div 79 \times 31.6 = 309.33 \text{ (ms)}$

Ch High

DH1 Dwell time = $0.39 \text{ ms} \times (1600 \div 2) \div 79 \times 31.6 = 124.80 \text{ (ms)}$

DH3 Dwell time = $1.65 \text{ ms} \times (1600 \div 4) \div 79 \times 31.6 = 264.00 \text{ (ms)}$

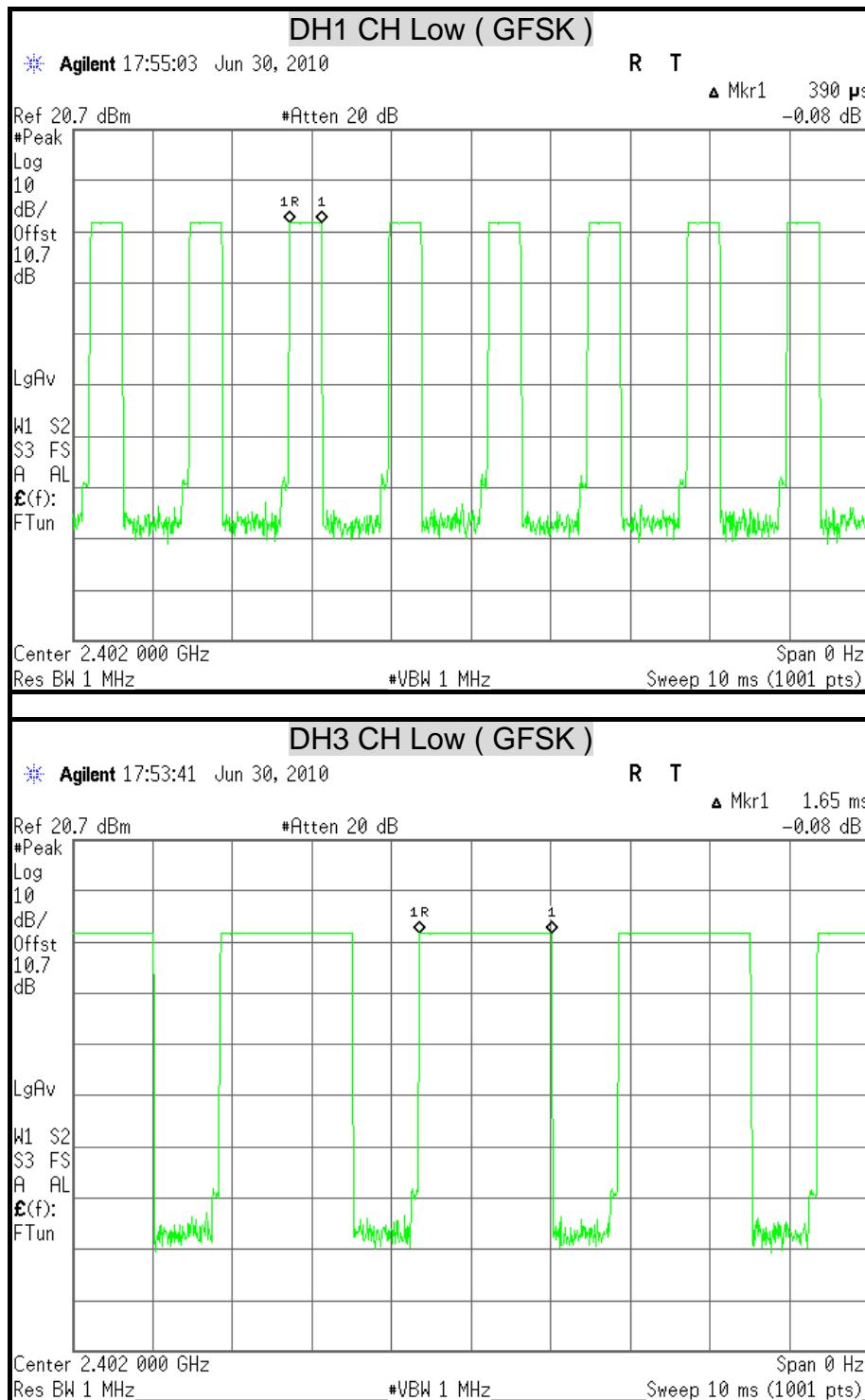
DH5 Dwell time = $2.90 \text{ ms} \times (1600 \div 6) \div 79 \times 31.6 = 309.33 \text{ (ms)}$

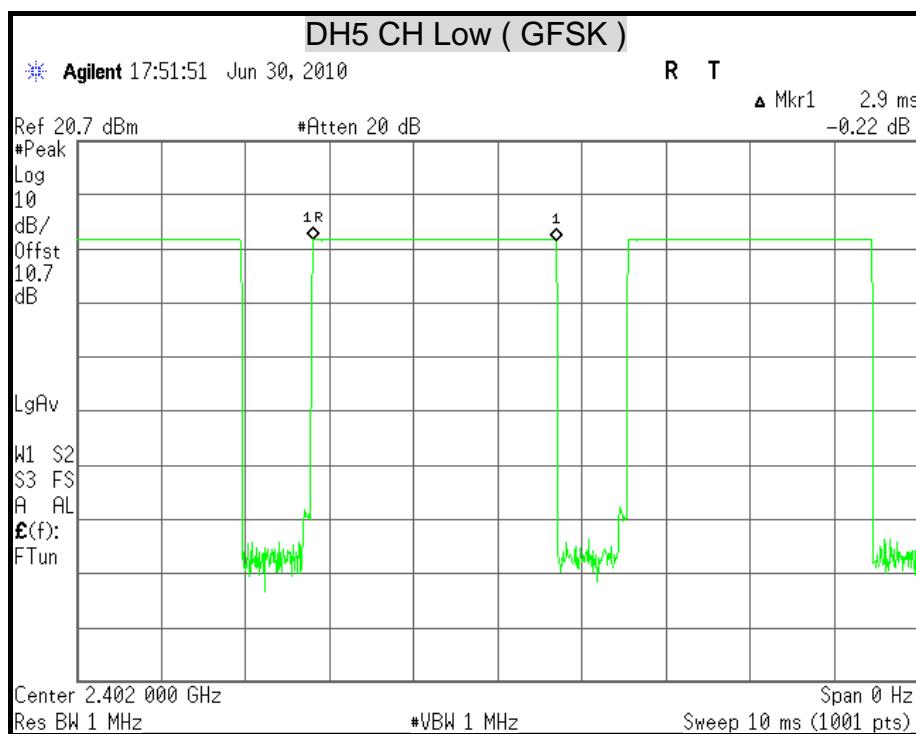


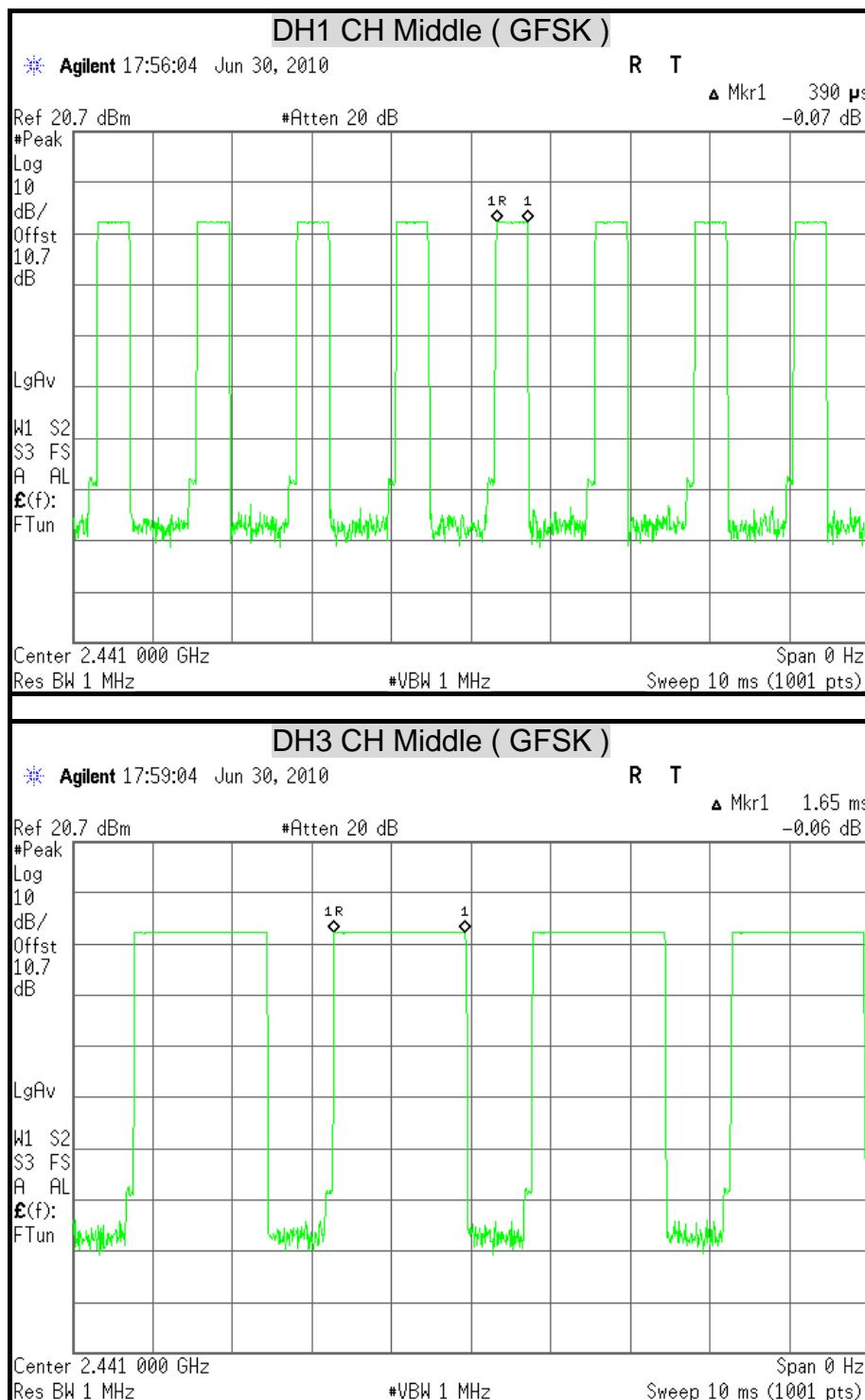
Modulation Type: 8-DPSK, CFG PKT Packet Type: 31 Packet Size: 1021 (3-DH5)

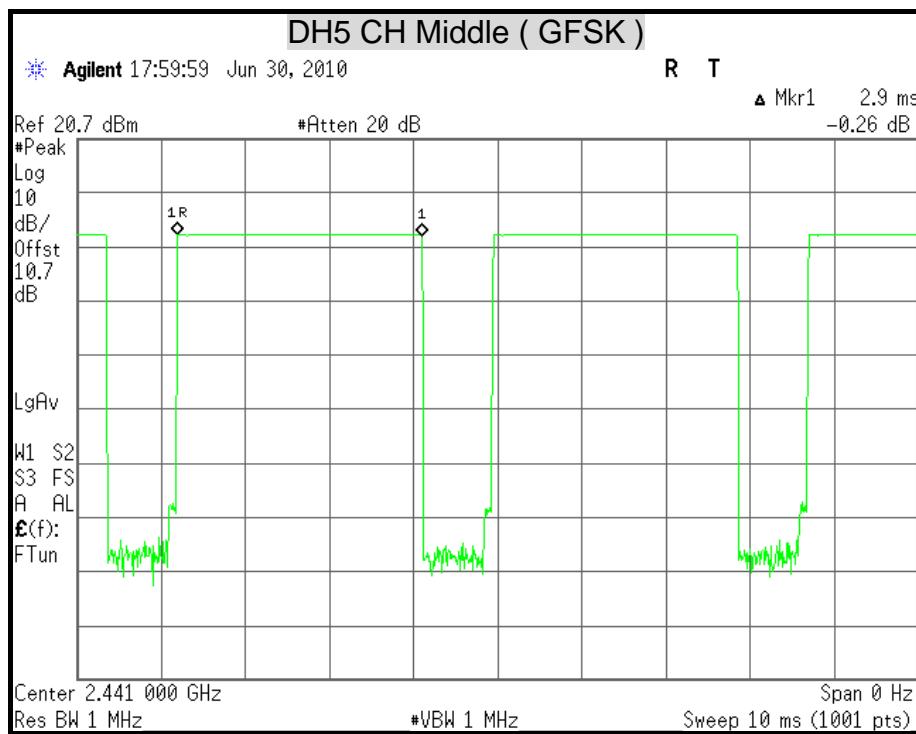
| Channel | Channel Frequency (MHz) | Packet type | Dwell time (ms) | Time of occupancy on the TX channel in 31.6sec (ms) | Limit for Time of occupancy on the TX channel in 31.6sec (ms) | Results |
|---------|-------------------------|-------------|-----------------|---|---|---------|
| Low | 2402 | DH1 | 0.40 | 128.00 | 400 | PASS |
| | 2402 | DH3 | 1.66 | 265.60 | 400 | PASS |
| | 2402 | DH5 | 2.91 | 310.40 | 400 | PASS |
| Middle | 2441 | DH1 | 0.41 | 131.20 | 400 | PASS |
| | 2441 | DH3 | 1.66 | 265.60 | 400 | PASS |
| | 2441 | DH5 | 2.91 | 310.40 | 400 | PASS |
| High | 2480 | DH1 | 0.40 | 128.00 | 400 | PASS |
| | 2480 | DH3 | 1.66 | 265.60 | 400 | PASS |
| | 2480 | DH5 | 2.91 | 310.40 | 400 | PASS |

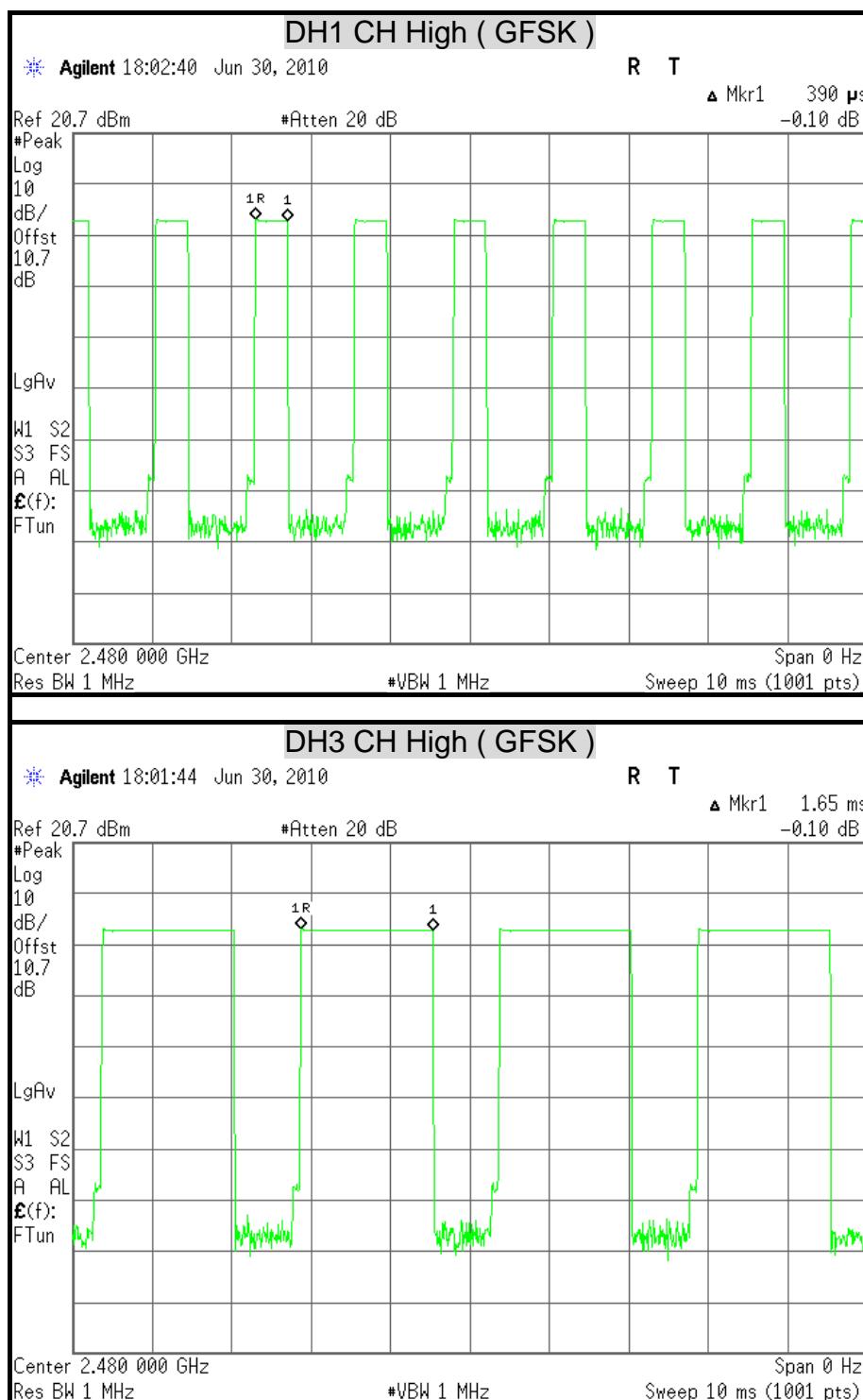
Remark:*Ch Low*
$$DH1 \text{ Dwell time} = 0.40 \text{ ms} \times (1600 \div 2) \div 79 \times 31.6 = 128.00 \text{ (ms)}$$
$$DH3 \text{ Dwell time} = 1.66 \text{ ms} \times (1600 \div 4) \div 79 \times 31.6 = 265.60 \text{ (ms)}$$
$$DH5 \text{ Dwell time} = 2.91 \text{ ms} \times (1600 \div 6) \div 79 \times 31.6 = 310.40 \text{ (ms)}$$
Ch Middle
$$DH1 \text{ Dwell time} = 0.41 \text{ ms} \times (1600 \div 2) \div 79 \times 31.6 = 131.20 \text{ (ms)}$$
$$DH3 \text{ Dwell time} = 1.66 \text{ ms} \times (1600 \div 4) \div 79 \times 31.6 = 265.60 \text{ (ms)}$$
$$DH5 \text{ Dwell time} = 2.91 \text{ ms} \times (1600 \div 6) \div 79 \times 31.6 = 310.40 \text{ (ms)}$$
Ch High
$$DH1 \text{ Dwell time} = 0.40 \text{ ms} \times (1600 \div 2) \div 79 \times 31.6 = 128.00 \text{ (ms)}$$
$$DH3 \text{ Dwell time} = 1.66 \text{ ms} \times (1600 \div 4) \div 79 \times 31.6 = 265.60 \text{ (ms)}$$
$$DH5 \text{ Dwell time} = 2.91 \text{ ms} \times (1600 \div 6) \div 79 \times 31.6 = 310.40 \text{ (ms)}$$

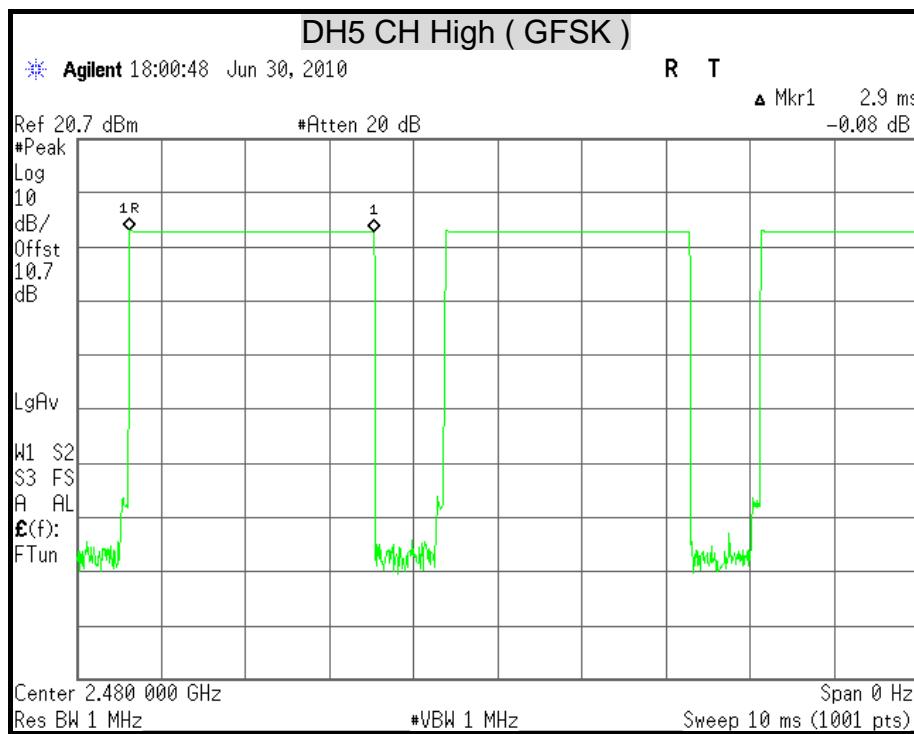
DWELL TIME ON EACH PAYLOAD

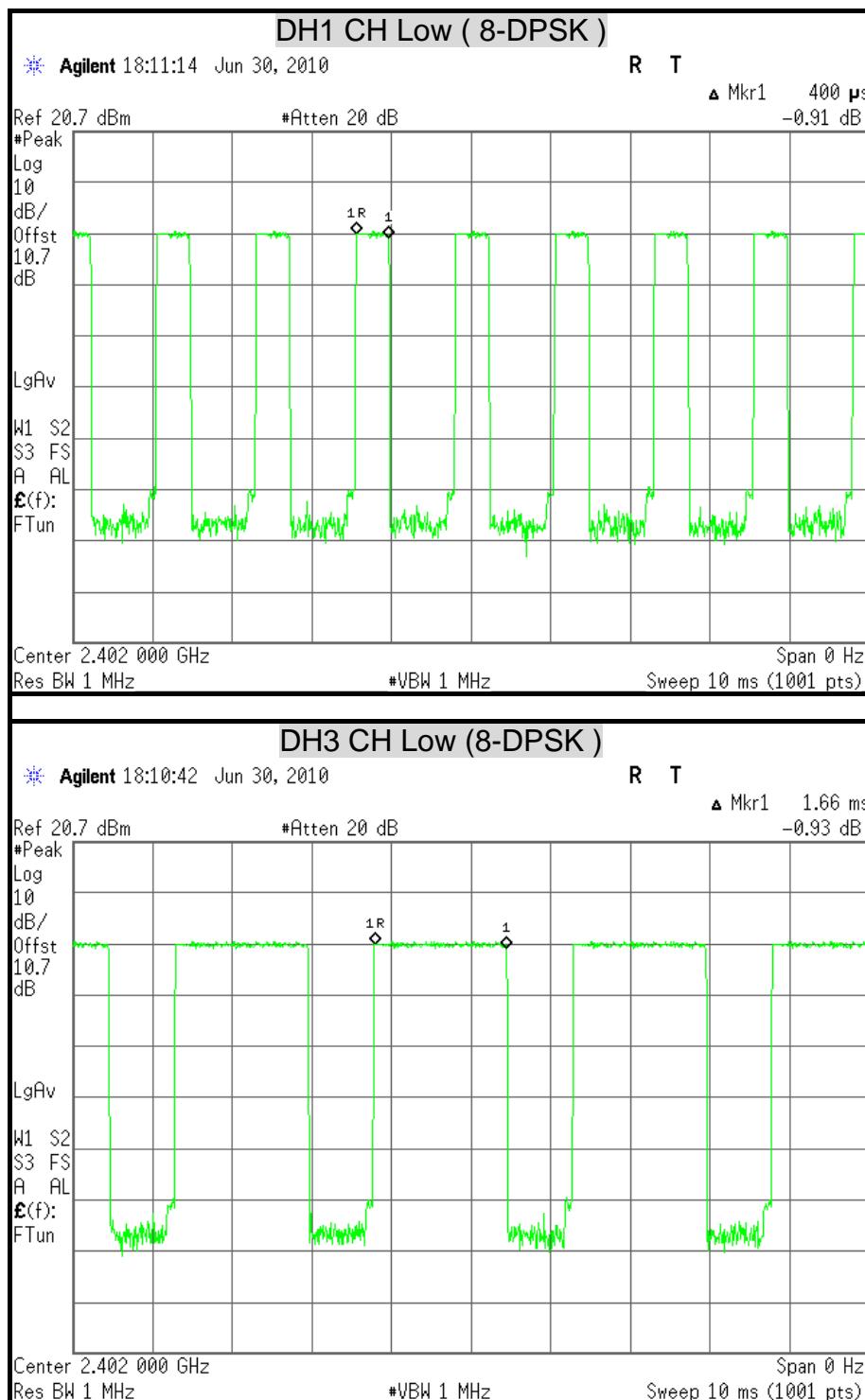


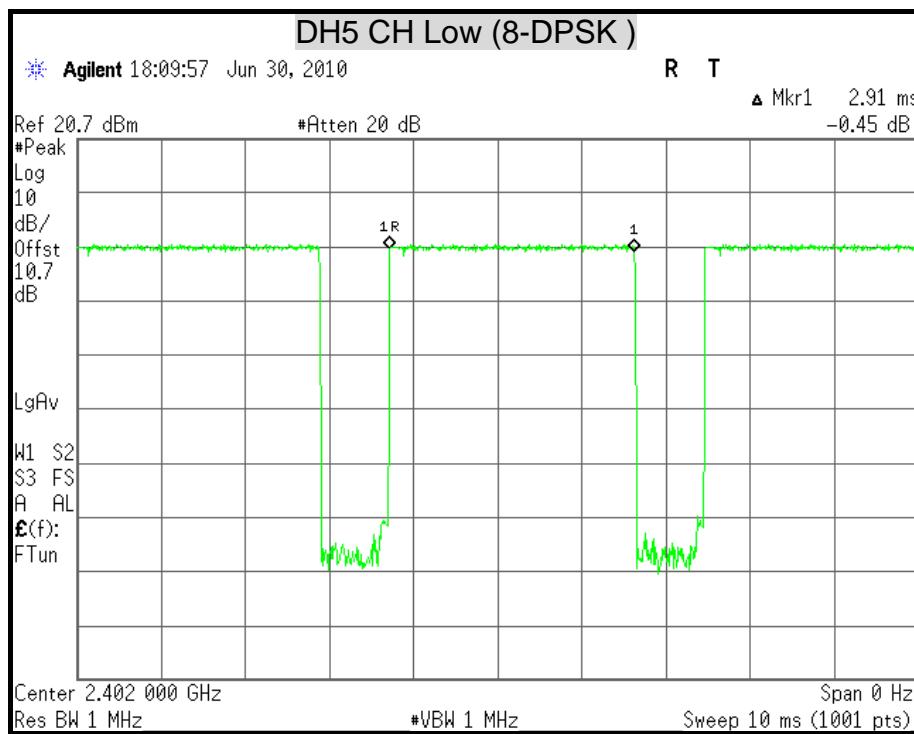


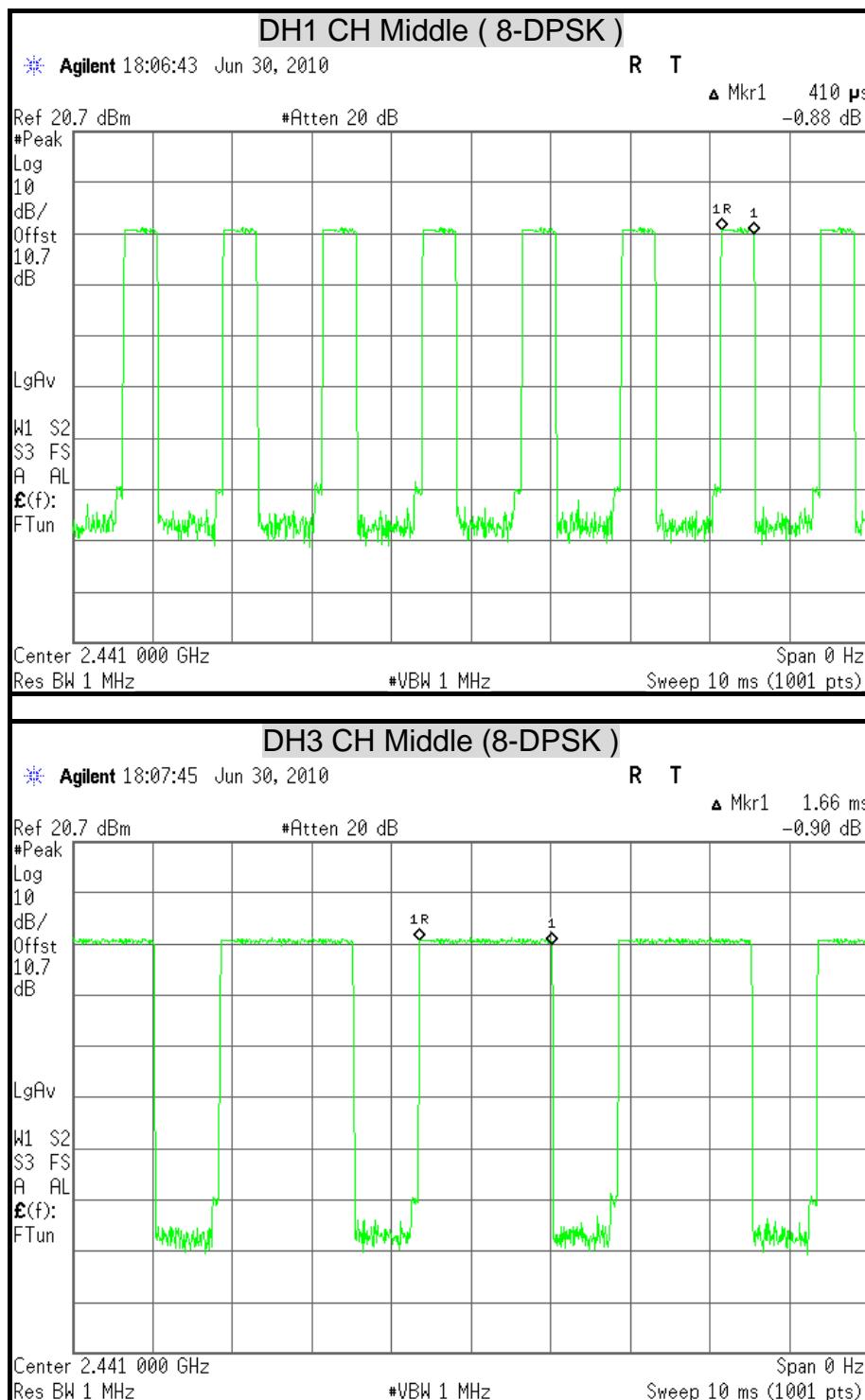


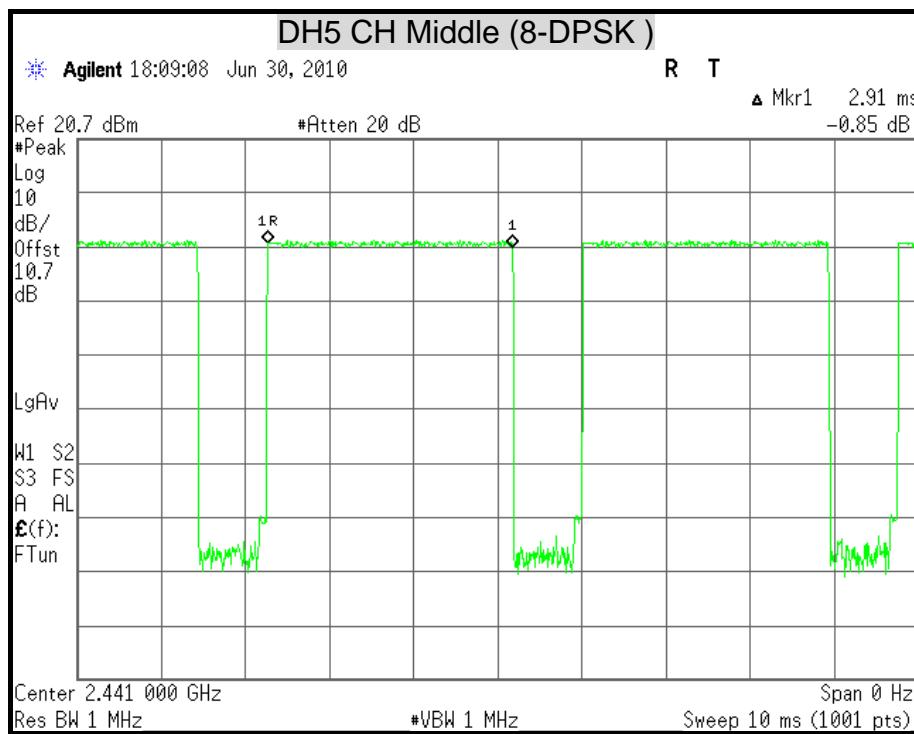


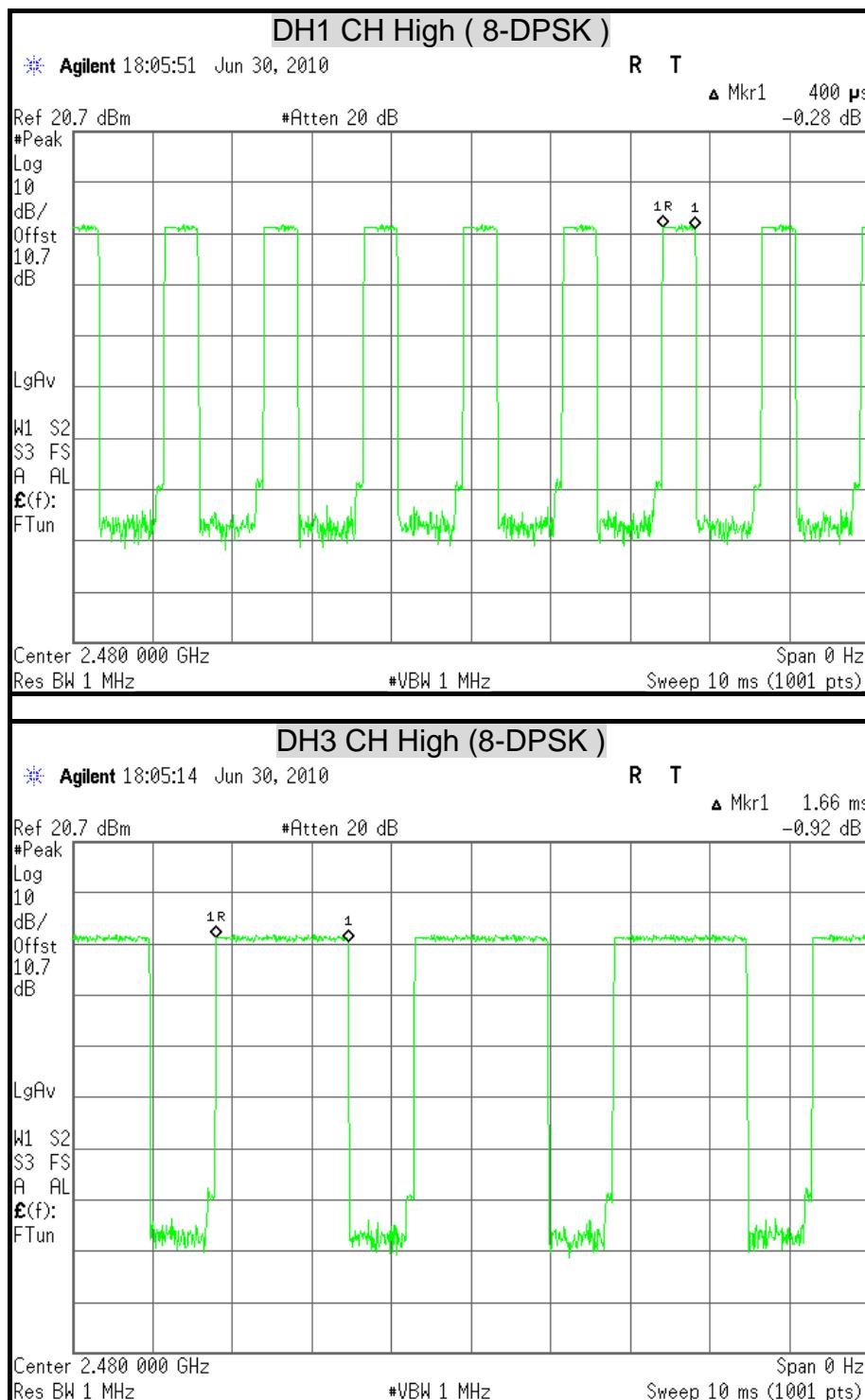


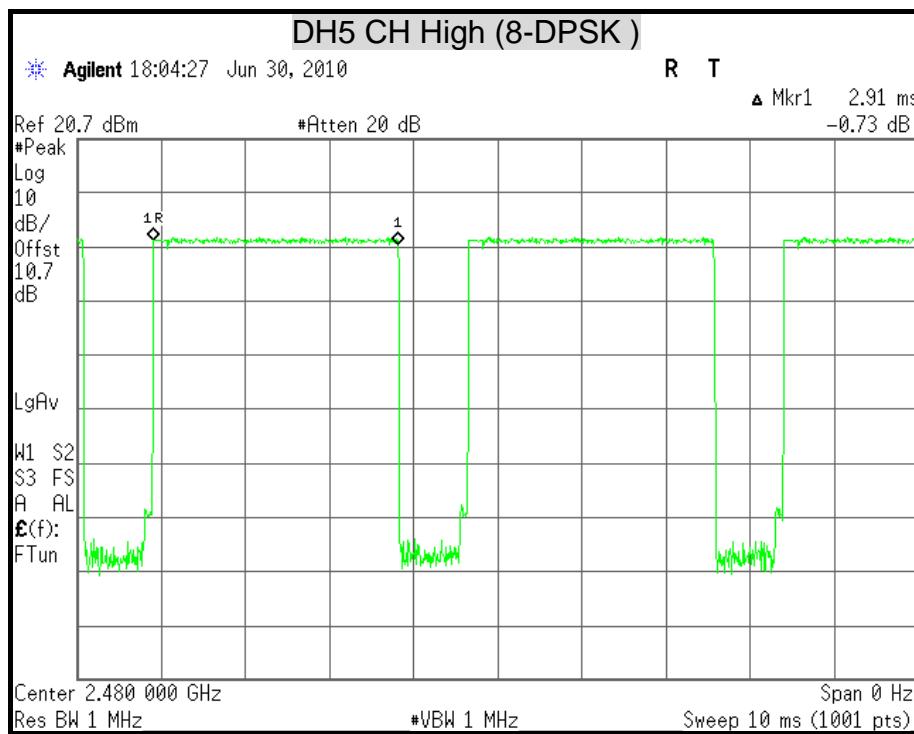














7.6 CONDUCTED SPURIOUS EMISSION

LIMITS

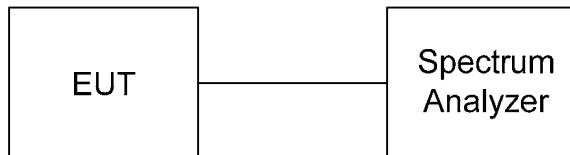
§ 15.247(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the and that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

TEST EQUIPMENT

| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
|-------------------|--------------|--------|---------------|-----------------|
| Spectrum Analyzer | AGILENT | E4446A | MY43360132 | 06/20/2011 |
| Spectrum Analyzer | AGILENT | E4446A | MY46180323 | 05/02/2011 |

Remark: Each piece of equipment is scheduled for calibration once a year.

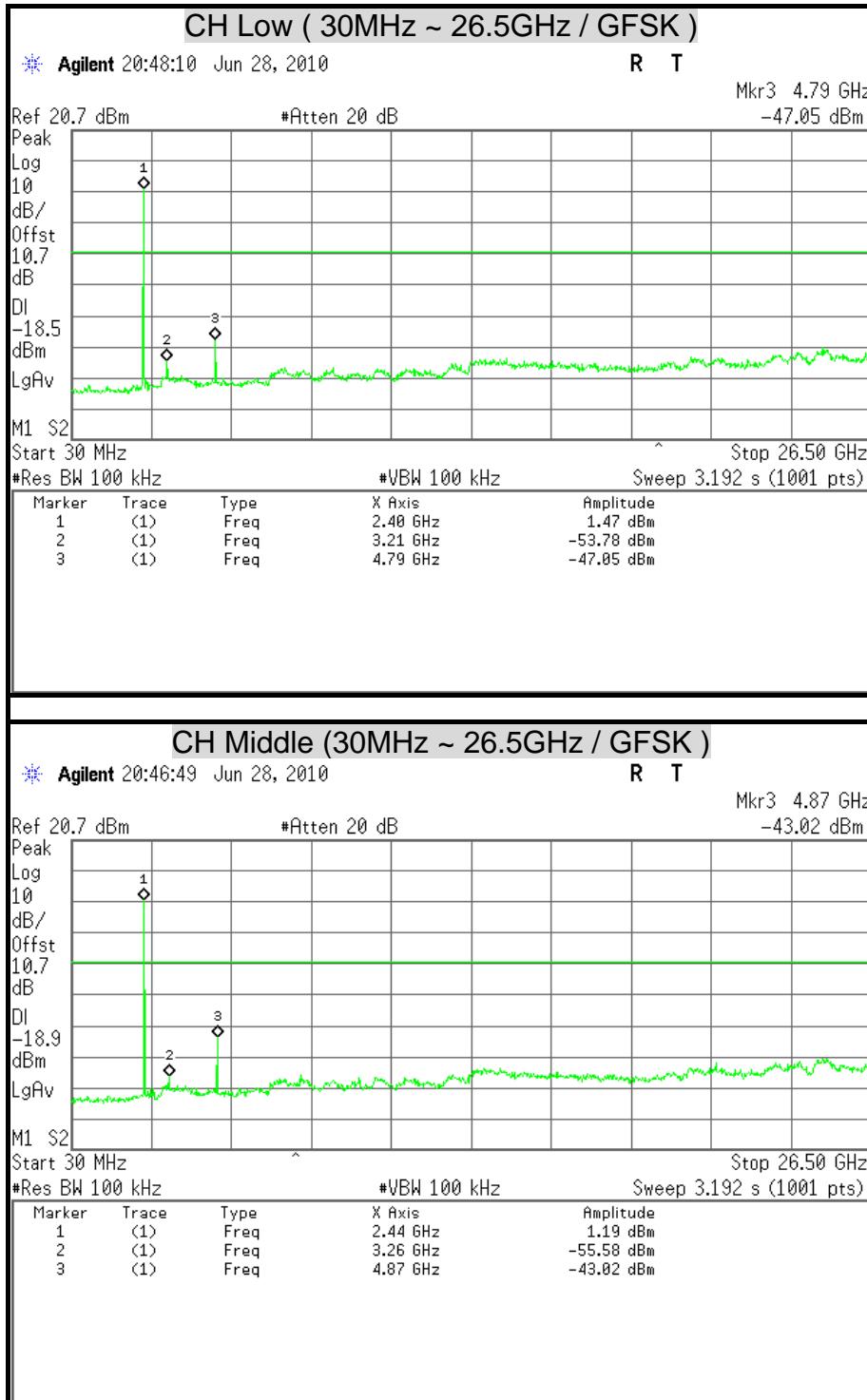
TEST SETUP

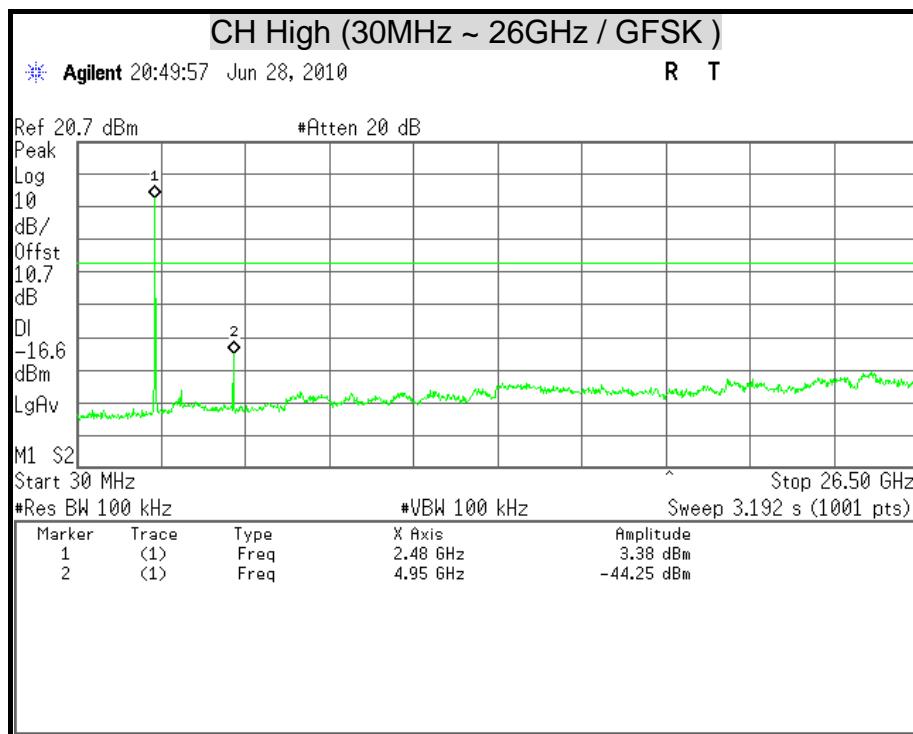


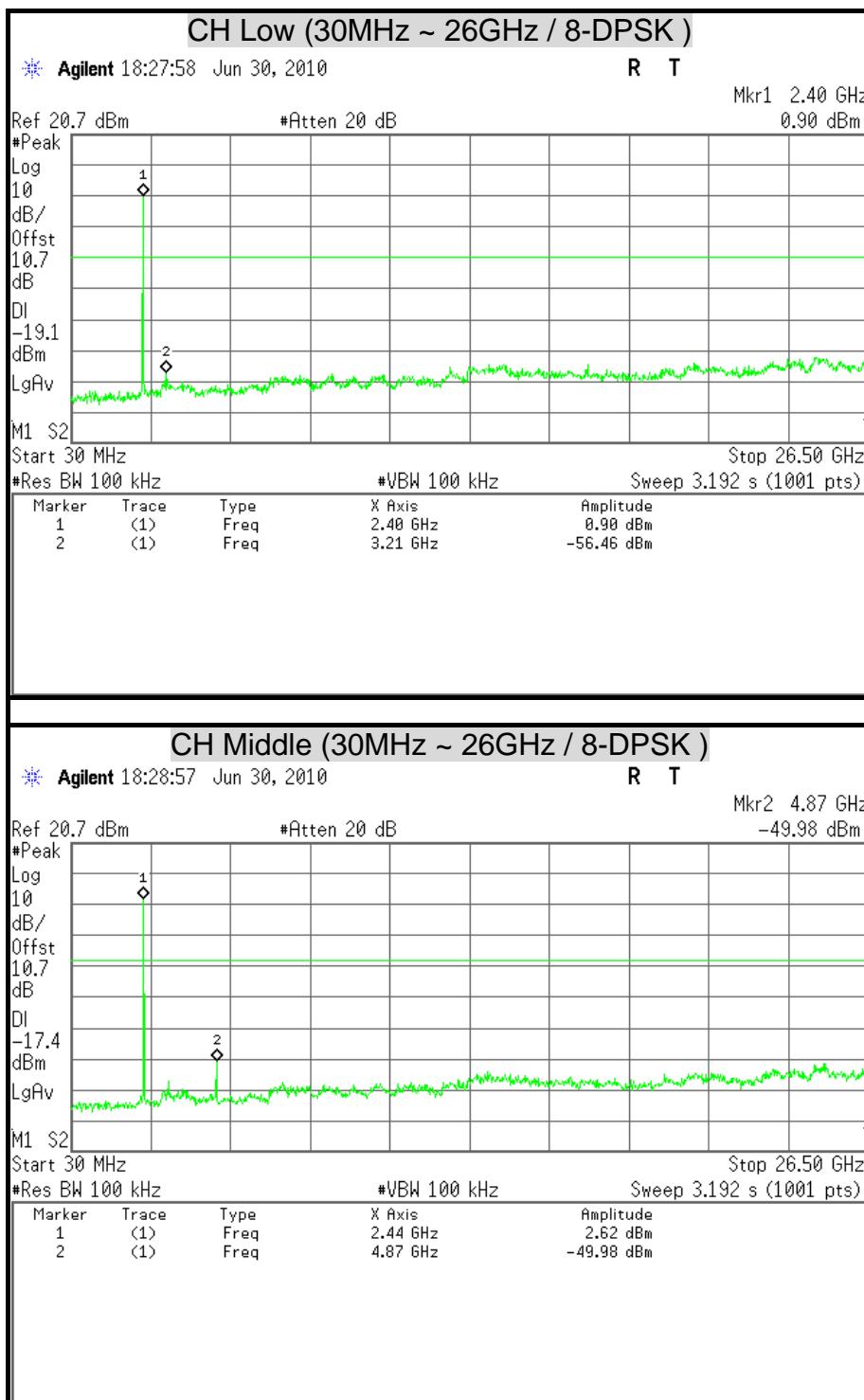
TEST PROCEDURE

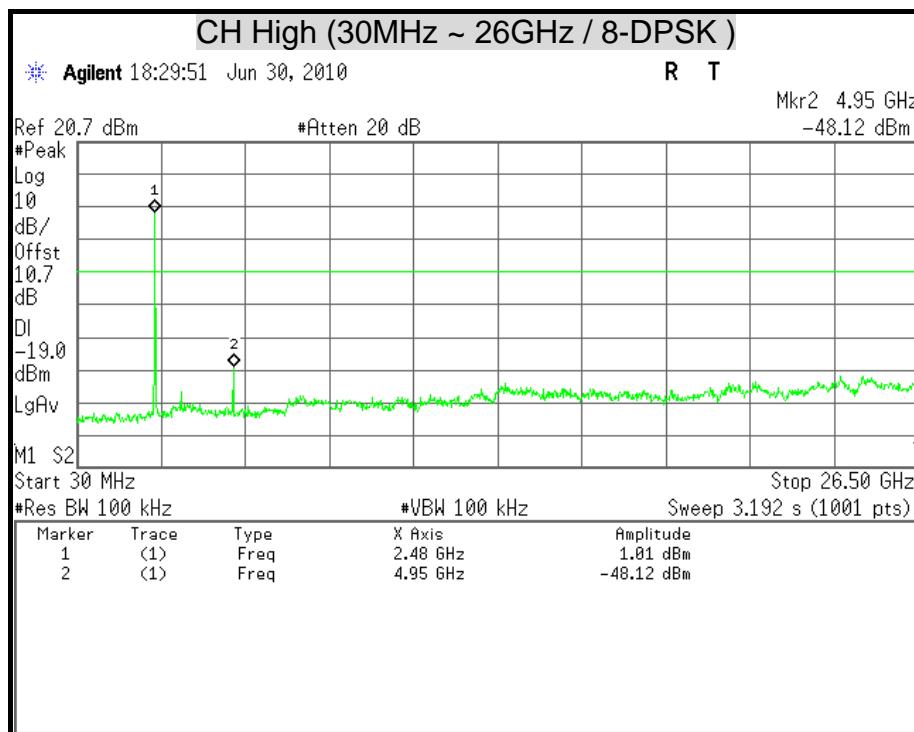
The transmitter output is connected to a spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 100 kHz.

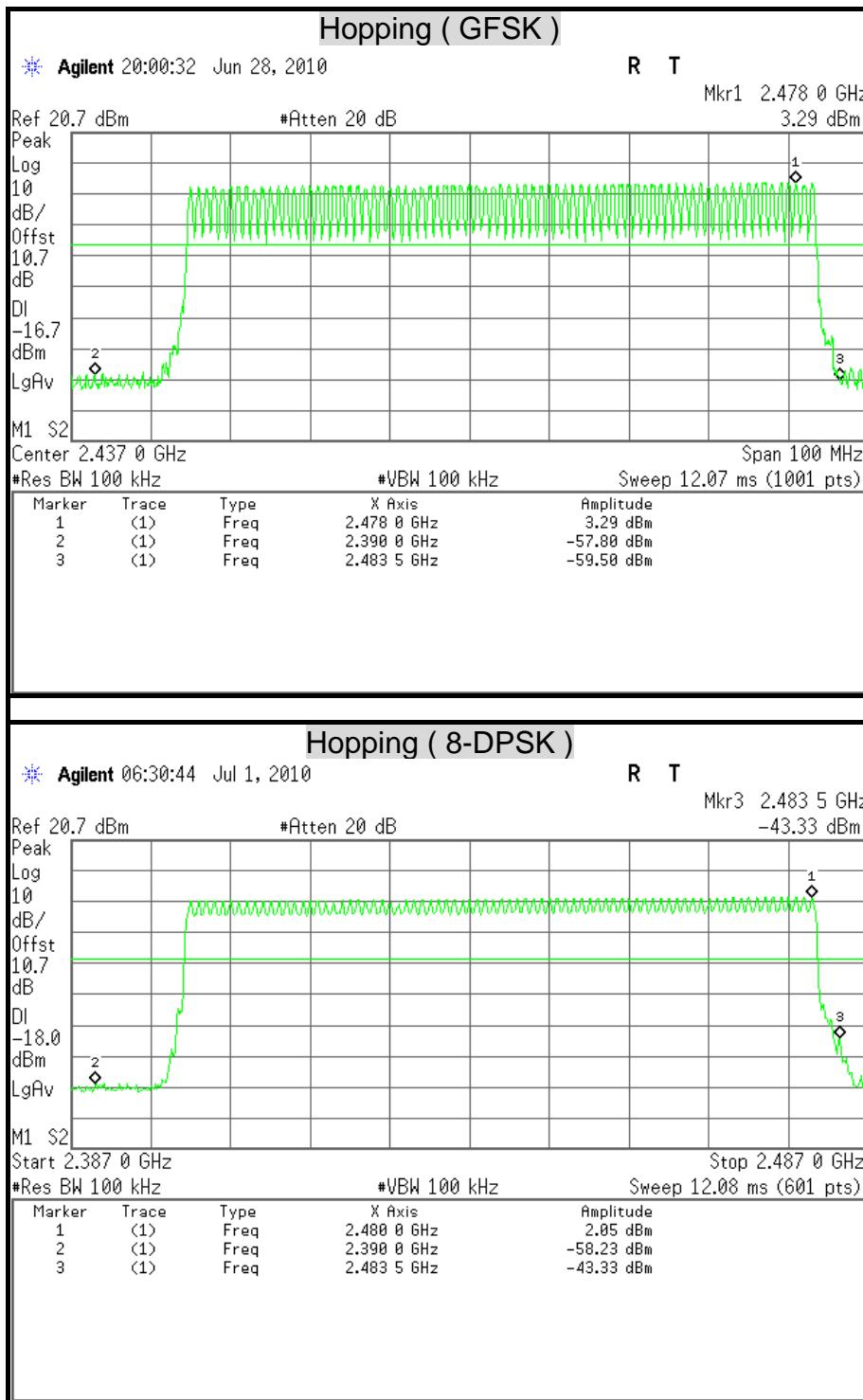
The spectrum from 30 MHz to 26.5 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

**TEST RESULTS****OUT-OF-BAND SPURIOUS EMISSIONS-CONDUCTED MEASUREMENT**







**CONDUCTED MEASUREMENT BAND EDGES**



7.7 RADIATED EMISSION

LIMITS

(1) § 15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

| MHz | MHz | MHz | GHz |
|----------------------------|--------------------------|-----------------|------------------|
| 0.090 - 0.110 | 16.42 - 16.423 | 399.9 - 410 | 4.5 - 5.15 |
| ¹ 0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614 | 5.35 - 5.46 |
| 2.1735 - 2.1905 | 16.80425 - 16.80475 | 960 - 1240 | 7.25 - 7.75 |
| 4.125 - 4.128 | 25.5 - 25.67 | 1300 - 1427 | 8.025 - 8.5 |
| 4.17725 - 4.17775 | 37.5 - 38.25 | 1435 - 1626.5 | 9.0 - 9.2 |
| 4.20725 - 4.20775 | 73 - 74.6 | 1645.5 - 1646.5 | 9.3 - 9.5 |
| 6.215 - 6.218 | 74.8 - 75.2 | 1660 - 1710 | 10.6 - 12.7 |
| 6.26775 - 6.26825 | 108 - 121.94 | 1718.8 - 1722.2 | 13.25 - 13.4 |
| 6.31175 - 6.31225 | 123 - 138 | 2200 - 2300 | 14.47 - 14.5 |
| 8.291 - 8.294 | 149.9 - 150.05 | 2310 - 2390 | 15.35 - 16.2 |
| 8.362 - 8.366 | 156.52475 - 156.52525 | 2483.5 - 2500 | 17.7 - 21.4 |
| 8.37625 - 8.38675 | 156.7 - 156.9 | 2655 - 2900 | 22.01 - 23.12 |
| 8.41425 - 8.41475 | 162.0125 - 167.17 | 3260 - 3267 | 23.6 - 24.0 |
| 12.29 - 12.293 | 167.72 - 173.2 | 3332 - 3339 | 31.2 - 31.8 |
| 12.51975 - 12.52025 | 240 - 285 | 3345.8 - 3338 | 36.43 - 36.5 |
| 12.57675 - 12.57725 | 322 - 335.4 | 3600 - 4400 | (²) |
| 13.36 - 13.41 | | | |

Remark:

1. ¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

2. ² Above 38.6

(2) § 15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.



(3) According to § 15.209 (a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table :

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-----------------|-----------------------------------|-------------------------------|
| 0.009 – 0.490 | 2400/F(KHz) | 300 |
| 0.490 – 1.705 | 24000/F(KHz) | 30 |
| 1.705 – 30.0 | 30 | 30 |
| 30 - 88 | 100 ** | 3 |
| 88 - 216 | 150 ** | 3 |
| 216 - 960 | 200 ** | 3 |
| Above 960 | 500 | 3 |

Remark: **Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

(4) According to § 15.209 (b) In the emission table above, the tighter limit applies at the band edges.

TEST EQUIPMENT

966Chamber_A

| Name of Equipment | Manufacture | Model | Serial Number | Calibration Due |
|------------------------------|-----------------|-----------------|---------------|-----------------|
| Spectrum Analyzer | Agilent | E4446A | MY43360132 | 06/20/2011 |
| EMI Test Receiver | ROHDE & SCHWARZ | ESCI | 100221 | 05/03/2011 |
| Bilog Antenna | SCHWARZBECK | VULB 9168 | 9168-249 | 11/12/2010 |
| Double-Ridged Waveguide Horn | ETS LINDGREN | 3117 | 00078732 | 06/30/2011 |
| Pre-Amplifier | Agilent | 8449B | 3008A01471 | 08/02/2010 |
| Pre-Amplifier | HP | 8447F | 2944A03748 | 09/24/2010 |
| RF Coaxial Cable | HUBER-SUHNER | SUCOFLEX 104PEA | SN31347 | 07/21/2010 |
| RF Coaxial Cable | HUBER-SUHNER | SUCOFLEX 104PEA | SN31350 | 07/21/2010 |
| RF Coaxial Cable | HUBER-SUHNER | SUCOFLEX 104PEA | SN31355 | 07/21/2010 |
| LOOP ANTENNA | EMCO | 6502 | 2356 | 05/28/2011 |
| Notch Filters Band Reject | Micro-Tronics | BRM05702-01 | 009 | N.C.R |

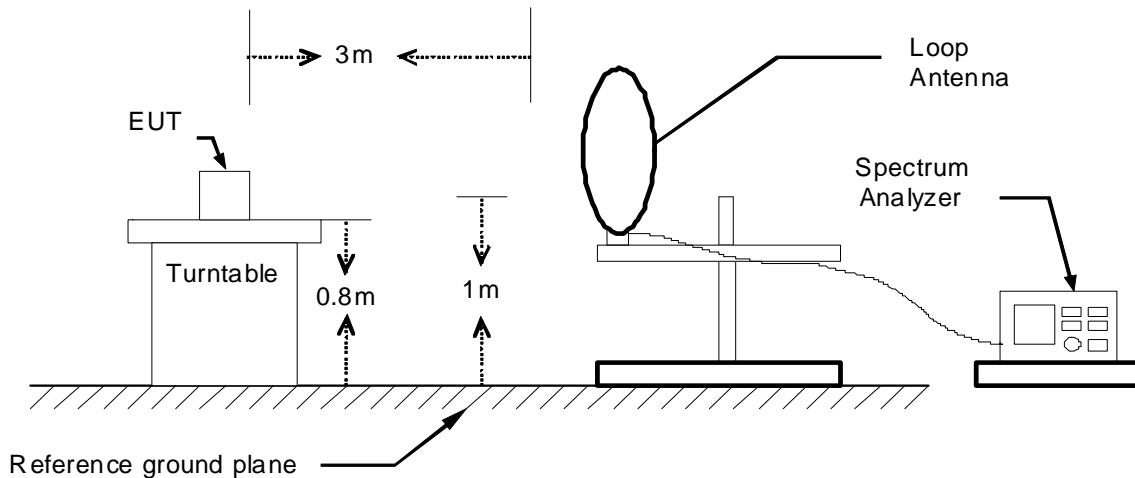
Remark: 1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R = No Calibration Request.



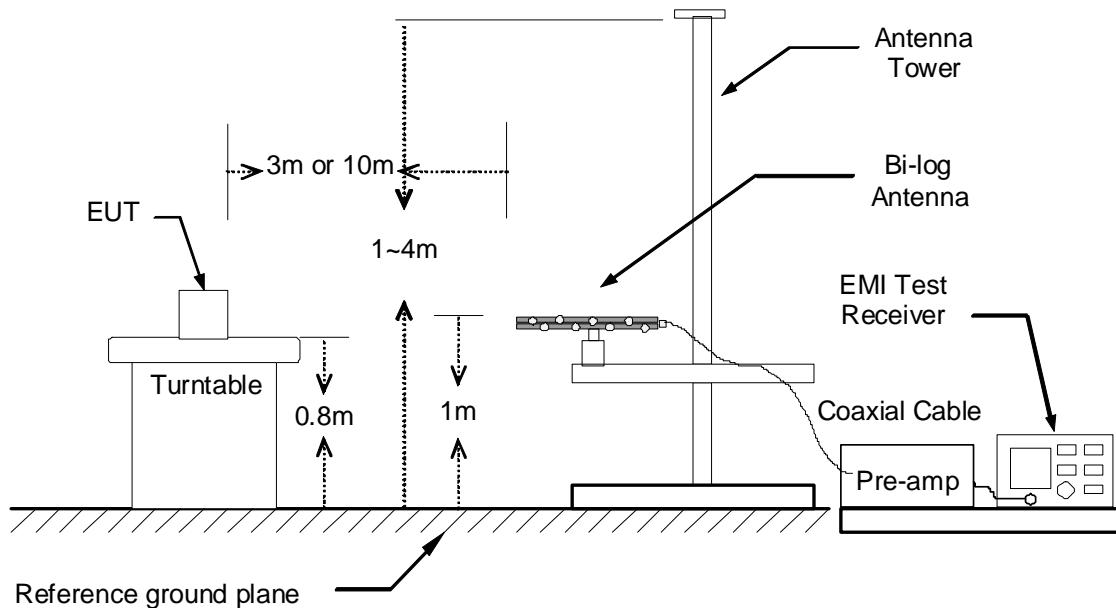
TEST SETUP

The diagram below shows the test setup that is utilized to make the measurements for emission from below 1GHz.

9kHz ~ 30MHz

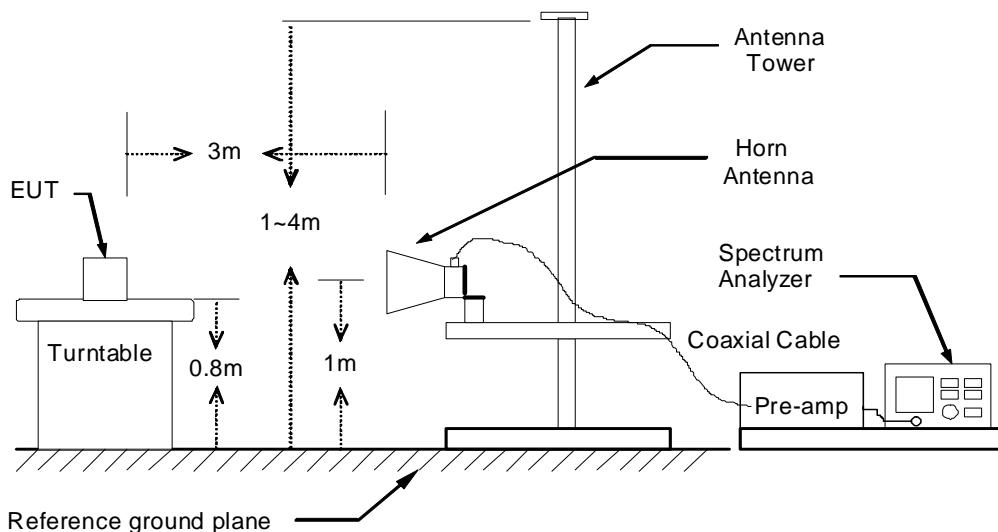


30MHz ~ 1GHz





The diagram below shows the test setup that is utilized to make the measurements for emission above 1GHz.



TEST PROCEDURE

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
2. While measuring the radiated emission below 1GHz, the EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. While measuring the radiated emission above 1GHz, the EUT was set 3 meters away from the interference-receiving antenna.
3. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarization of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Remark :

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection and frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) at frequency above 1GHz.

**TEST RESULTS****Below 1 GHz (9kHz ~ 30MHz)**

No emission found between lowest internal used/generated frequency to 30MHz.

Below 1 GHz (30MHz ~ 1GHz)

| | | | |
|---------------------|-------------------------------|----------------------------|------------|
| Product Name | FOXL | Test By | Rick Lin |
| Model | V2 BLUETOOTH | Test Date | 2010/06/17 |
| Test Mode | Normal operating (worst case) | TEMP & Humidity | 24°C, 57% |

| 966 Chamber_B at 3Meter / Horizontal | | | | | | |
|--------------------------------------|----------------------|--------------------------|-----------------------|----------------------|-------------|--------|
| Frequency (MHz) | Reading (dB μ V) | Correction Factor (dB/m) | Result (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Remark |
| 147.37 | 69.05 | -32.52 | 36.53 | 43.50 | -6.97 | Peak |
| 163.86 | 68.67 | -32.27 | 36.40 | 43.50 | -7.10 | Peak |
| 273.47 | 66.62 | -30.69 | 35.93 | 46.00 | -10.07 | Peak |
| 316.15 | 65.54 | -28.80 | 36.74 | 46.00 | -9.26 | Peak |
| 392.78 | 63.73 | -27.73 | 36.00 | 46.00 | -10.00 | Peak |
| 459.71 | 61.91 | -26.06 | 35.85 | 46.00 | -10.15 | Peak |
| 525.67 | 59.01 | -24.73 | 34.28 | 46.00 | -11.72 | Peak |
| 796.30 | 51.64 | -20.01 | 31.63 | 46.00 | -14.37 | Peak |

| 966 Chamber_B at 3Meter / Vertical | | | | | | |
|------------------------------------|----------------------|--------------------------|-----------------------|----------------------|-------------|--------|
| Frequency (MHz) | Reading (dB μ V) | Correction Factor (dB/m) | Result (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Remark |
| 147.37 | 67.72 | -32.52 | 35.20 | 43.50 | -8.30 | Peak |
| 231.76 | 67.14 | -32.82 | 34.32 | 46.00 | -11.68 | Peak |
| 315.18 | 64.30 | -28.81 | 35.49 | 46.00 | -10.51 | Peak |
| 458.74 | 59.58 | -26.08 | 33.50 | 46.00 | -12.50 | Peak |
| 491.72 | 62.50 | -25.21 | 37.29 | 46.00 | -8.71 | Peak |
| 524.70 | 62.13 | -24.74 | 37.39 | 46.00 | -8.61 | Peak |
| 797.27 | 55.91 | -20.00 | 35.91 | 46.00 | -10.09 | Peak |
| 813.76 | 55.31 | -19.62 | 35.69 | 46.00 | -10.31 | Peak |

Remark:

1. Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit.
2. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
3. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - PreAmp.Gain (dB)
4. Result (dB μ V/m) = Reading (dB μ V) + Correction Factor (dB/m)
5. Margin (dB) = Remark result (dB μ V/m) - Quasi-peak limit (dB μ V/m).



TX Above 1 GHz

| | | | |
|--------------|------------------|-----------------|------------|
| Product Name | FOXL | Test By | Julon Liu |
| Model | V2 BLUETOOTH | Test Date | 2010/06/24 |
| Test Mode | GFSK TX / CH Low | TEMP & Humidity | 28°C, 57% |

966 Chamber_A at 3Meter / Horizontal

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| 1000.00 | 52.29 | --- | -4.77 | 47.52 | --- | 74.00 | 54.00 | -26.48 | Peak |
| 1494.00 | 53.30 | --- | -3.09 | 50.21 | --- | 74.00 | 54.00 | -23.79 | Peak |
| 1626.00 | 49.09 | --- | -1.87 | 47.22 | --- | 74.00 | 54.00 | -26.78 | Peak |
| 1998.00 | 49.89 | --- | 1.68 | 51.57 | --- | 74.00 | 54.00 | -22.43 | Peak |
| 2402.00 | 88.18 | --- | 2.29 | 90.47 | --- | --- | --- | --- | Carrier |
| 4807.50 | 52.11 | 35.23 | 7.08 | 59.19 | 42.31 | 74.00 | 54.00 | -11.69 | AVG |
| 4995.00 | 43.73 | --- | 7.18 | 50.91 | --- | 74.00 | 54.00 | -23.09 | Peak |
| 6000.00 | 43.29 | --- | 9.25 | 52.54 | --- | 74.00 | 54.00 | -21.46 | Peak |

966 Chamber_A at 3Meter / Vertical

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| 1000.00 | 57.08 | --- | -4.77 | 52.31 | --- | 74.00 | 54.00 | -21.69 | Peak |
| 1242.00 | 52.30 | --- | -3.95 | 48.35 | --- | 74.00 | 54.00 | -25.65 | Peak |
| 1500.00 | 60.80 | 41.23 | -3.07 | 57.73 | 38.16 | 74.00 | 54.00 | -15.84 | AVG |
| 1992.00 | 58.00 | 38.60 | 1.62 | 59.62 | 40.22 | 74.00 | 54.00 | -13.78 | AVG |
| 2402.00 | 93.28 | --- | 2.29 | 95.57 | --- | --- | --- | --- | Carrier |
| 4807.50 | 50.65 | 34.65 | 7.08 | 57.73 | 41.73 | 74.00 | 54.00 | -12.27 | AVG |
| 4995.00 | 43.11 | --- | 7.18 | 50.29 | --- | 74.00 | 54.00 | -23.71 | Peak |
| 6277.50 | 41.64 | --- | 9.50 | 51.14 | --- | 74.00 | 54.00 | -22.86 | Peak |
| 6960.00 | 42.06 | --- | 10.28 | 52.34 | --- | 74.00 | 54.00 | -21.66 | Peak |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
5. In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
6. Result = Reading + Correction Factor

Margin = Result - Limit

Remark Peak = Result(PK) - Limit(PK)

Remark AVG = Result(AV) - Limit(AV)



| | | | |
|---------------------|---------------------|----------------------------|------------|
| Product Name | FOXL | Test By | Julon Liu |
| Model | V2 BLUETOOTH | Test Date | 2010/06/24 |
| Test Mode | GFSK TX / CH Middle | TEMP & Humidity | 28°C, 57% |

966 Chamber_A at 3Meter / Horizontal

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| 1000.00 | 55.12 | --- | -4.77 | 50.35 | --- | 74.00 | 54.00 | -23.65 | Peak |
| 1222.00 | 55.61 | --- | -4.02 | 51.59 | --- | 74.00 | 54.00 | -22.41 | Peak |
| 1498.00 | 60.60 | 42.58 | -3.08 | 57.52 | 39.50 | 74.00 | 54.00 | -14.50 | AVG |
| 2046.00 | 49.45 | --- | 1.77 | 51.22 | --- | 74.00 | 54.00 | -22.78 | Peak |
| 2441.00 | 87.23 | --- | 2.35 | 89.58 | --- | --- | --- | --- | Carrier |
| 4882.50 | 55.00 | 40.16 | 7.12 | 62.12 | 47.28 | 74.00 | 54.00 | -6.72 | AVG |
| 4995.00 | 43.32 | --- | 7.18 | 50.50 | --- | 74.00 | 54.00 | -23.50 | Peak |
| 6000.00 | 41.62 | --- | 9.25 | 50.87 | --- | 74.00 | 54.00 | -23.13 | Peak |
| 6330.00 | 41.60 | --- | 9.55 | 51.15 | --- | 74.00 | 54.00 | -22.85 | Peak |

966 Chamber_A at 3Meter / Vertical

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| 1000.00 | 51.21 | --- | -4.77 | 46.44 | --- | 74.00 | 54.00 | -27.56 | Peak |
| 1228.00 | 50.28 | --- | -4.00 | 46.28 | --- | 74.00 | 54.00 | -27.72 | Peak |
| 1494.00 | 59.00 | 40.58 | -3.09 | 55.91 | 37.49 | 74.00 | 54.00 | -16.51 | AVG |
| 2441.00 | 93.28 | --- | 2.35 | 95.63 | --- | --- | --- | --- | Carrier |
| 2988.00 | 44.51 | --- | 3.34 | 47.85 | --- | 74.00 | 54.00 | -26.15 | Peak |
| 4882.50 | 43.77 | --- | 7.12 | 50.89 | --- | 74.00 | 54.00 | -23.11 | Peak |
| 4987.50 | 44.30 | --- | 7.17 | 51.47 | --- | 74.00 | 54.00 | -22.53 | Peak |
| 5842.50 | 41.03 | --- | 8.98 | 50.01 | --- | 74.00 | 54.00 | -23.99 | Peak |
| 6637.50 | 41.70 | --- | 9.87 | 51.57 | --- | 74.00 | 54.00 | -22.43 | Peak |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
5. In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
6. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(PK)
Remark AVG = Result(AV) - Limit(AV)



| | | | | | | | |
|--------------|-------------------|--|--|-----------------|------------|--|--|
| Product Name | FOXL | | | Test By | Julon Liu | | |
| Model | V2 BLUETOOTH | | | Test Date | 2010/06/24 | | |
| Test Mode | GFSK TX / CH High | | | TEMP & Humidity | 28°C, 57% | | |

| 966 Chamber_A at 3Meter / Horizontal | | | | | | | | | |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1000.00 | 51.24 | --- | -4.77 | 46.47 | --- | 74.00 | 54.00 | -27.53 | Peak |
| 1228.00 | 49.92 | --- | -4.00 | 45.92 | --- | 74.00 | 54.00 | -28.08 | Peak |
| 1426.00 | 50.38 | --- | -3.33 | 47.05 | --- | 74.00 | 54.00 | -26.95 | Peak |
| 1496.00 | 54.02 | --- | -3.09 | 50.93 | --- | 74.00 | 54.00 | -23.07 | Peak |
| 1996.00 | 48.89 | --- | 1.66 | 50.55 | --- | 74.00 | 54.00 | -23.45 | Peak |
| 2480.00 | 86.17 | --- | 2.40 | 88.57 | --- | --- | --- | --- | Carrier |
| 4222.50 | 42.35 | --- | 5.92 | 48.27 | --- | 74.00 | 54.00 | -25.73 | Peak |
| 4957.50 | 50.18 | 35.33 | 7.16 | 57.34 | 42.49 | 74.00 | 54.00 | -11.51 | AVG |
| 6000.00 | 42.05 | --- | 9.25 | 51.30 | --- | 74.00 | 54.00 | -22.70 | Peak |

| 966 Chamber_A at 3Meter / Vertical | | | | | | | | | |
|------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1096.00 | 52.75 | --- | -4.45 | 48.30 | --- | 74.00 | 54.00 | -25.70 | Peak |
| 1240.00 | 53.75 | --- | -3.96 | 49.79 | --- | 74.00 | 54.00 | -24.21 | Peak |
| 1498.00 | 61.00 | 41.60 | -3.08 | 57.92 | 38.52 | 74.00 | 54.00 | -15.48 | AVG |
| 1888.00 | 51.19 | --- | 0.63 | 51.82 | --- | 74.00 | 54.00 | -22.18 | Peak |
| 1992.00 | 51.77 | --- | 1.62 | 53.39 | --- | 74.00 | 54.00 | -20.61 | Peak |
| 2480.00 | 93.13 | --- | 2.40 | 95.53 | --- | --- | --- | --- | Carrier |
| 4986.50 | 42.69 | --- | 7.17 | 49.86 | --- | 74.00 | 54.00 | -24.14 | Peak |
| 6287.00 | 41.32 | --- | 9.51 | 50.83 | --- | 74.00 | 54.00 | -23.17 | Peak |
| 6635.50 | 41.51 | --- | 9.87 | 51.38 | --- | 74.00 | 54.00 | -22.62 | Peak |
| 7689.50 | 42.34 | --- | 9.98 | 52.32 | --- | 74.00 | 54.00 | -21.68 | Peak |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
5. In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
6. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(PK)
Remark AVG = Result(AV) - Limit(AV)



| | | | |
|---------------------|--------------------|----------------------------|------------|
| Product Name | FOXL | Test By | Julon Liu |
| Model | V2 BLUETOOTH | Test Date | 2010/07/01 |
| Test Mode | 8-DPSK TX / CH Low | TEMP & Humidity | 24°C, 58% |

966 Chamber_A at 3Meter / Horizontal

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| 1330.00 | 50.57 | --- | -3.65 | 46.92 | --- | 74.00 | 54.00 | -27.08 | Peak |
| 1860.00 | 50.07 | --- | 0.36 | 50.43 | --- | 74.00 | 54.00 | -23.57 | Peak |
| 2402.00 | 89.89 | --- | 2.29 | 92.18 | --- | --- | --- | --- | Carrier |
| 2496.00 | 46.93 | --- | 2.43 | 49.36 | --- | 74.00 | 54.00 | -24.64 | Peak |
| 4807.50 | 42.79 | --- | 7.08 | 49.87 | --- | 74.00 | 54.00 | -24.13 | Peak |
| 5617.50 | 41.19 | --- | 8.58 | 49.77 | --- | 74.00 | 54.00 | -24.23 | Peak |
| 6990.00 | 41.62 | --- | 10.32 | 51.94 | --- | 74.00 | 54.00 | -22.06 | Peak |

966 Chamber_A at 3Meter / Vertical

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| 1332.00 | 52.88 | --- | -3.64 | 49.24 | --- | 74.00 | 54.00 | -24.76 | Peak |
| 1862.00 | 49.37 | --- | 0.38 | 49.75 | --- | 74.00 | 54.00 | -24.25 | Peak |
| 2402.00 | 92.60 | --- | 2.29 | 94.89 | --- | --- | --- | --- | Carrier |
| 2496.00 | 45.46 | --- | 2.43 | 47.89 | --- | 74.00 | 54.00 | -26.11 | Peak |
| 4177.50 | 42.14 | --- | 5.76 | 47.90 | --- | 74.00 | 54.00 | -26.10 | Peak |
| 5625.00 | 40.81 | --- | 8.59 | 49.40 | --- | 74.00 | 54.00 | -24.60 | Peak |
| 6825.00 | 40.92 | --- | 10.11 | 51.03 | --- | 74.00 | 54.00 | -22.97 | Peak |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
5. In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
6. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(PK)
Remark AVG = Result(AV) - Limit(AV)



| | | | |
|---------------------|-----------------------|----------------------------|------------|
| Product Name | FOXL | Test By | Julon Liu |
| Model | V2 BLUETOOTH | Test Date | 2010/07/01 |
| Test Mode | 8-DPSK TX / CH Middle | TEMP & Humidity | 24°C, 58% |

966 Chamber_A at 3Meter / Horizontal

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| 1332.00 | 47.82 | --- | -3.64 | 44.18 | --- | 74.00 | 54.00 | -29.82 | Peak |
| 1866.00 | 55.44 | 38.61 | 0.42 | 55.86 | 39.03 | 74.00 | 54.00 | -14.97 | AVG |
| 2128.00 | 45.08 | --- | 1.89 | 46.97 | --- | 74.00 | 54.00 | -27.03 | Peak |
| 2441.00 | 87.62 | --- | 2.35 | 89.97 | --- | --- | --- | --- | Carrier |
| 2492.00 | 45.47 | --- | 2.42 | 47.89 | --- | 74.00 | 54.00 | -26.11 | Peak |
| 4972.50 | 42.29 | --- | 7.16 | 49.45 | --- | 74.00 | 54.00 | -24.55 | Peak |
| 5827.50 | 41.35 | --- | 8.95 | 50.30 | --- | 74.00 | 54.00 | -23.70 | Peak |
| 6232.50 | 41.84 | --- | 9.46 | 51.30 | --- | 74.00 | 54.00 | -22.70 | Peak |

966 Chamber_A at 3Meter / Vertical

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| 1332.00 | 51.86 | --- | -3.64 | 48.22 | --- | 74.00 | 54.00 | -25.78 | Peak |
| 1436.00 | 49.53 | --- | -3.29 | 46.24 | --- | 74.00 | 54.00 | -27.76 | Peak |
| 1860.00 | 55.01 | 40.77 | 0.36 | 55.37 | 41.13 | 74.00 | 54.00 | -12.87 | AVG |
| 2441.00 | 89.84 | --- | 2.35 | 92.19 | --- | --- | --- | --- | Carrier |
| 2496.00 | 46.90 | --- | 2.43 | 49.33 | --- | 74.00 | 54.00 | -24.67 | Peak |
| 4935.00 | 41.71 | --- | 7.14 | 48.85 | --- | 74.00 | 54.00 | -25.15 | Peak |
| 5910.00 | 41.80 | --- | 9.09 | 50.89 | --- | 74.00 | 54.00 | -23.11 | Peak |
| 7342.50 | 42.64 | --- | 9.61 | 52.25 | --- | 74.00 | 54.00 | -21.75 | Peak |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
5. In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
6. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(PK)
Remark AVG = Result(AV) - Limit(AV)



| | | | |
|---------------------|---------------------|----------------------------|------------|
| Product Name | FOXL | Test By | Julon Liu |
| Model | V2 BLUETOOTH | Test Date | 2010/07/01 |
| Test Mode | 8-DPSK TX / CH High | TEMP & Humidity | 24°C, 58% |

| 966 Chamber_A at 3Meter / Horizontal | | | | | | | | | |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1330.00 | 50.87 | --- | -3.65 | 47.22 | --- | 74.00 | 54.00 | -26.78 | Peak |
| 1864.00 | 49.90 | --- | 0.40 | 50.30 | --- | 74.00 | 54.00 | -23.70 | Peak |
| 2480.00 | 87.58 | --- | 2.40 | 89.98 | --- | --- | --- | --- | Carrier |
| 2494.00 | 45.16 | --- | 2.43 | 47.59 | --- | 74.00 | 54.00 | -26.41 | Peak |
| 4140.00 | 41.70 | --- | 5.62 | 47.32 | --- | 74.00 | 54.00 | -26.68 | Peak |
| 6187.50 | 40.92 | --- | 9.42 | 50.34 | --- | 74.00 | 54.00 | -23.66 | Peak |
| 6997.50 | 41.43 | --- | 10.33 | 51.76 | --- | 74.00 | 54.00 | -22.24 | Peak |

| 966 Chamber_A at 3Meter / Vertical | | | | | | | | | |
|------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|---------|
| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1330.00 | 53.20 | --- | -3.65 | 49.55 | --- | 74.00 | 54.00 | -24.45 | Peak |
| 1630.00 | 49.12 | --- | -1.83 | 47.29 | --- | 74.00 | 54.00 | -26.71 | Peak |
| 1864.00 | 49.28 | --- | 0.40 | 49.68 | --- | 74.00 | 54.00 | -24.32 | Peak |
| 2480.00 | 88.37 | --- | 2.40 | 90.77 | --- | --- | --- | --- | Carrier |
| 3750.00 | 42.79 | --- | 4.70 | 47.49 | --- | 74.00 | 54.00 | -26.51 | Peak |
| 4575.00 | 42.27 | --- | 6.95 | 49.22 | --- | 74.00 | 54.00 | -24.78 | Peak |
| 5625.00 | 42.14 | --- | 8.59 | 50.73 | --- | 74.00 | 54.00 | -23.27 | Peak |

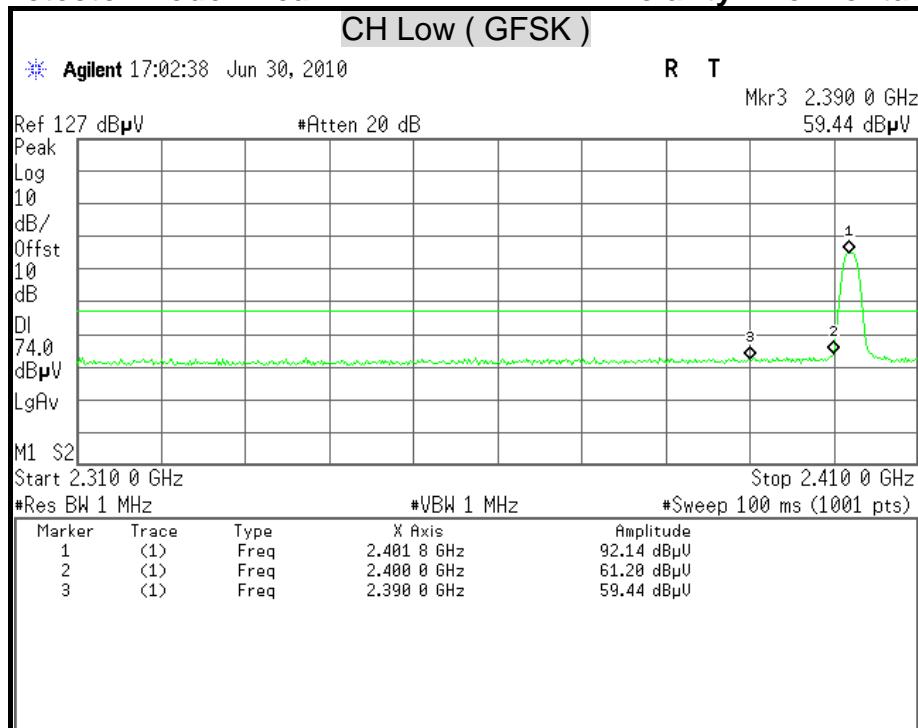
Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
5. In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
6. Result = Reading + Correction Factor
Margin = Result - Limit
Remark Peak = Result(PK) - Limit(PK)
Remark AVG = Result(AV) - Limit(AV)

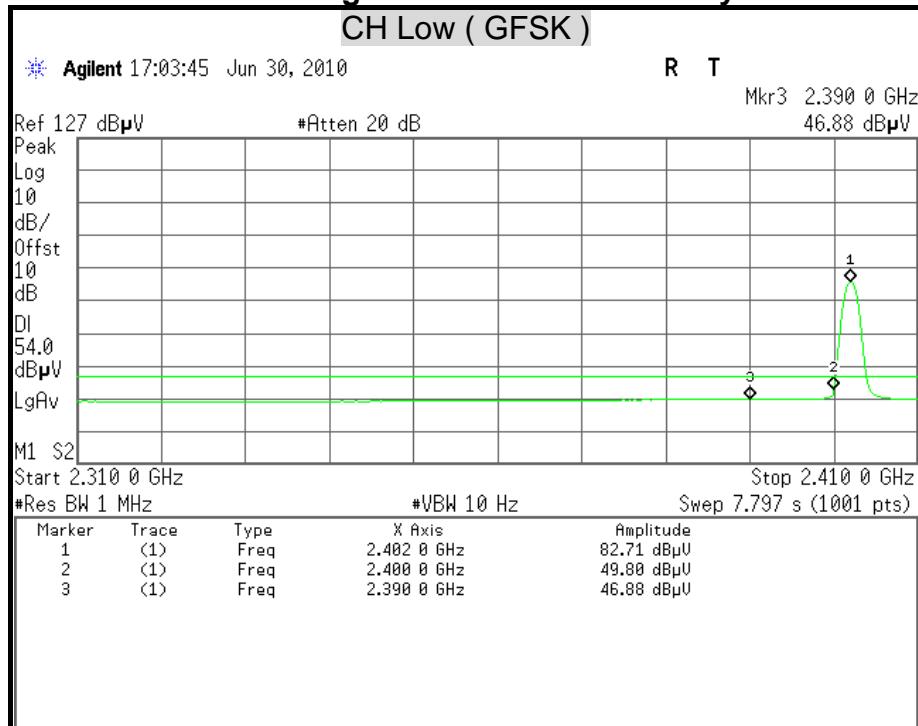


Restricted Band Edges

Detector Mode : Peak Polarity : Horizontal



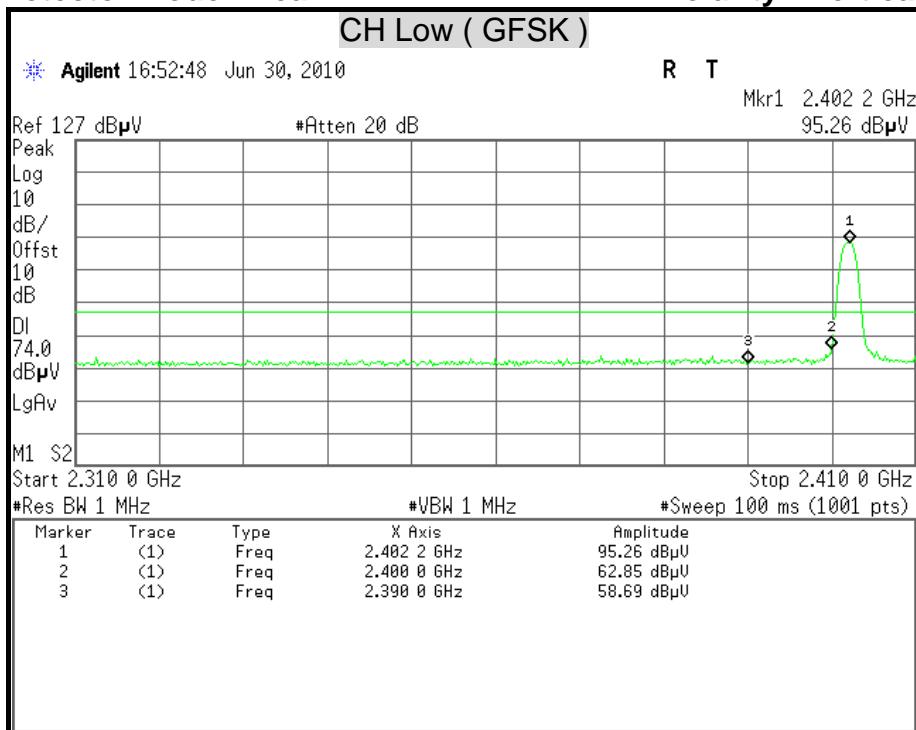
Detector Mode : Average Polarity : Horizontal





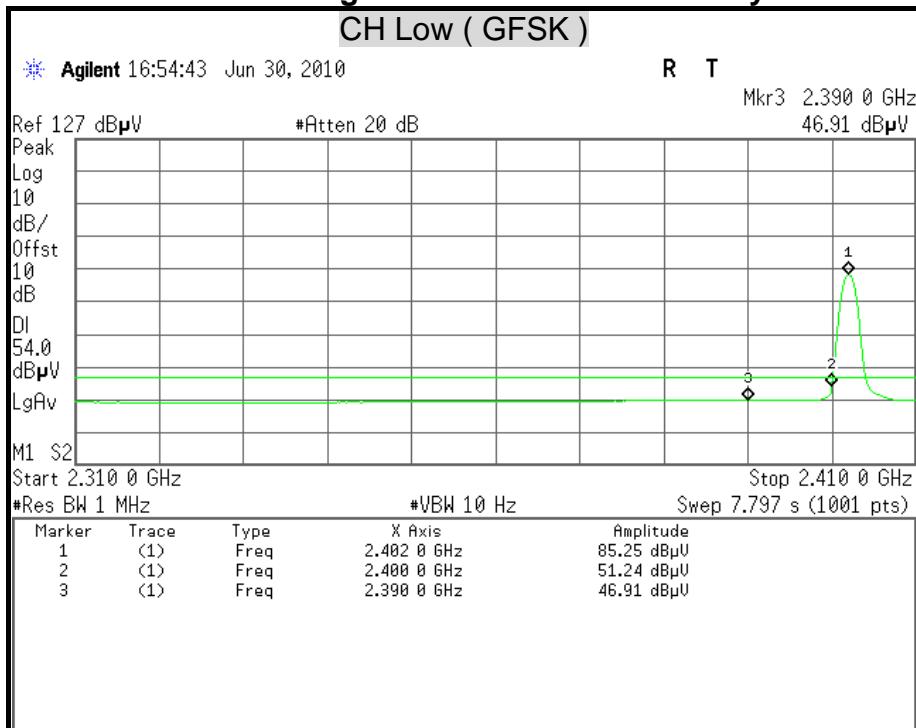
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

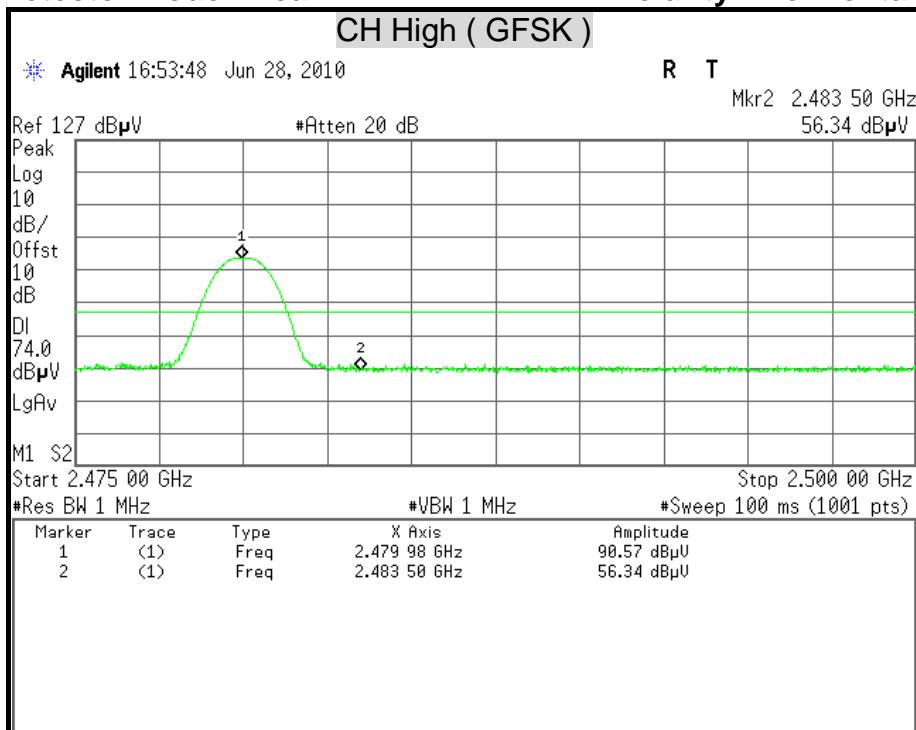
Polarity : Vertical





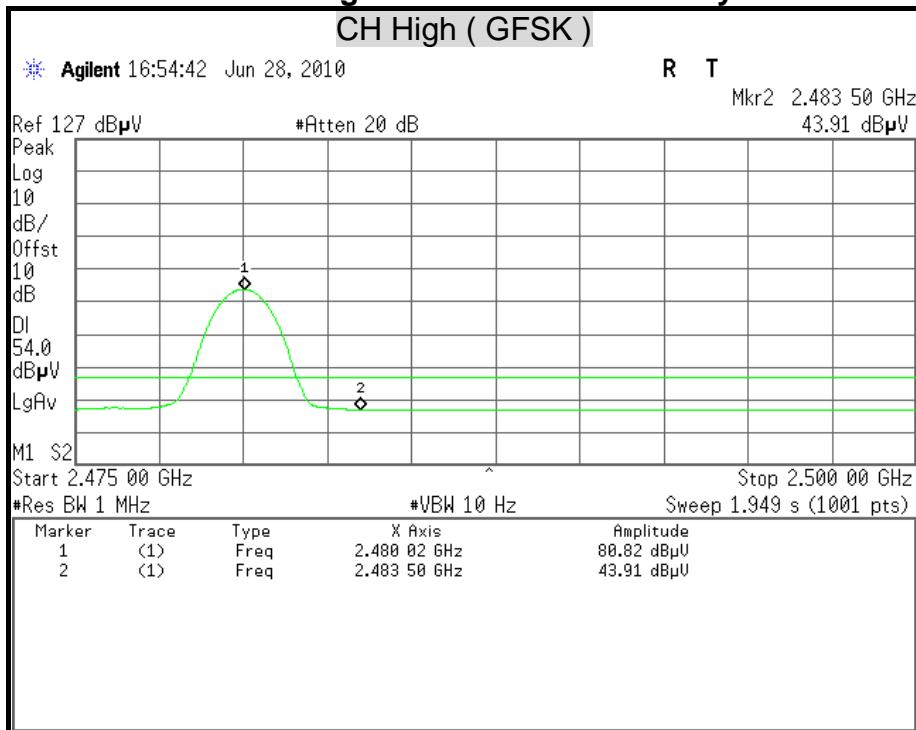
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

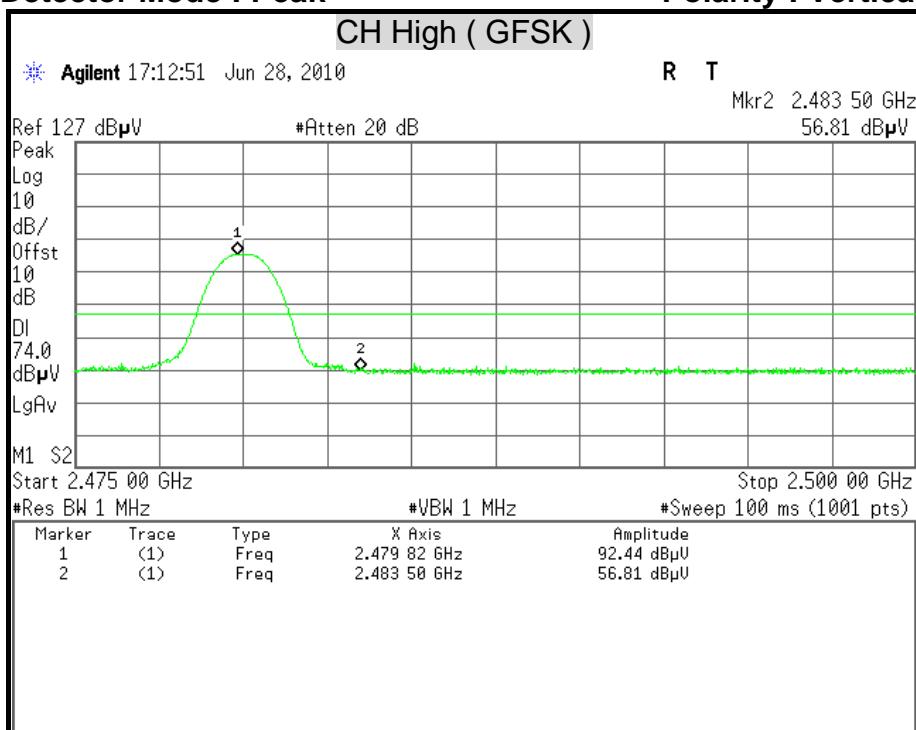
Polarity : Horizontal





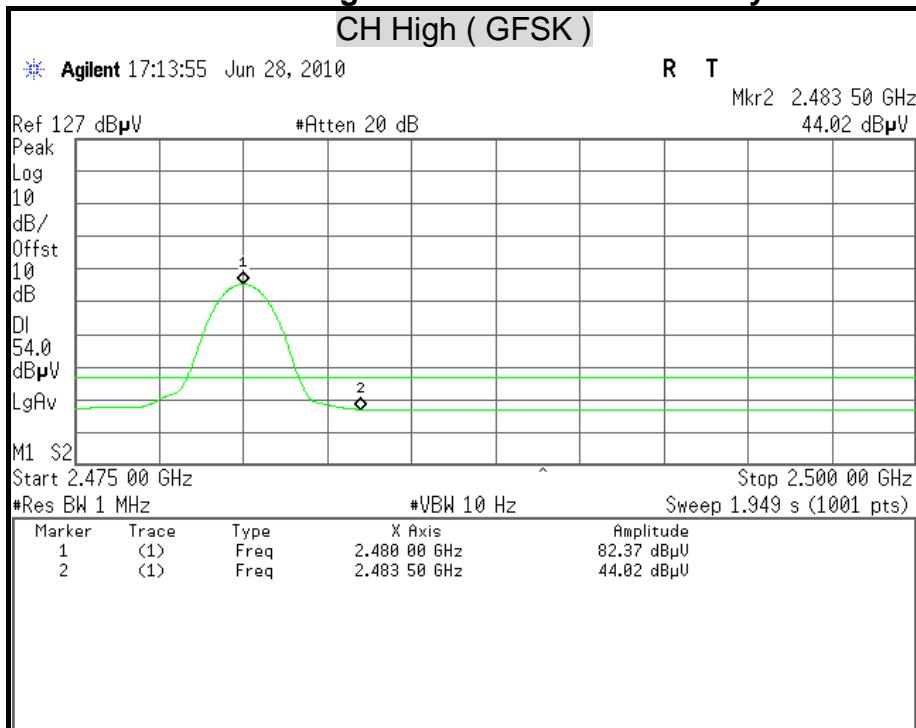
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

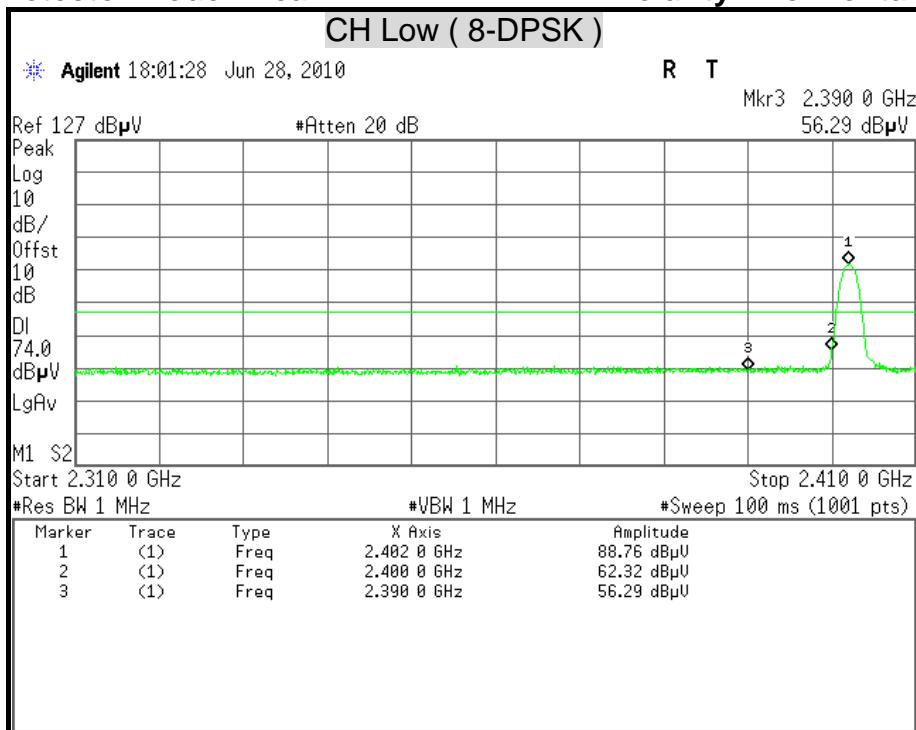
Polarity : Vertical





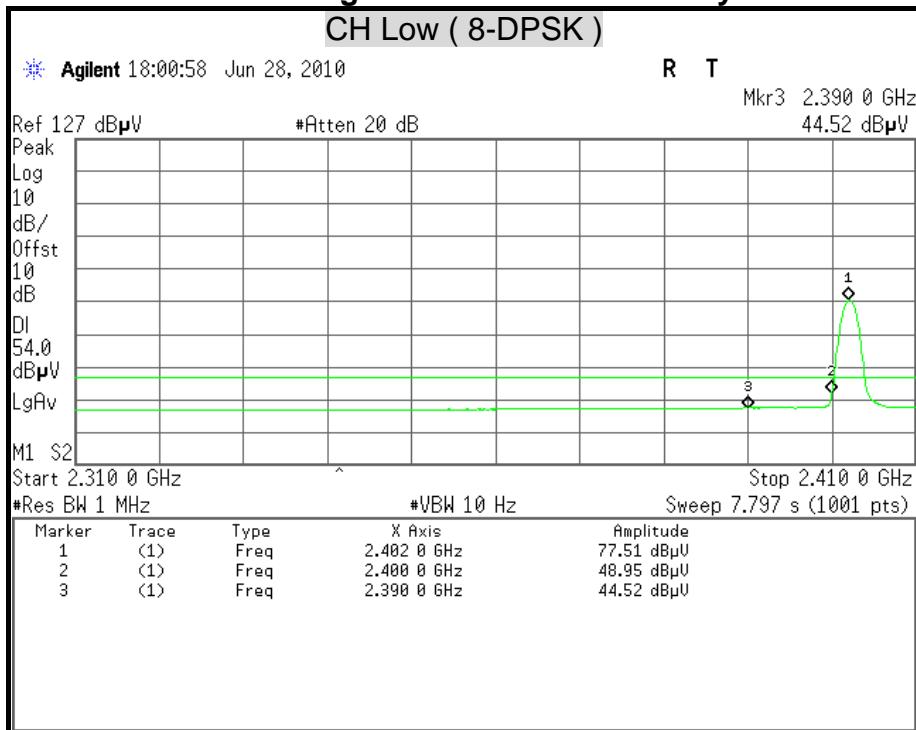
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

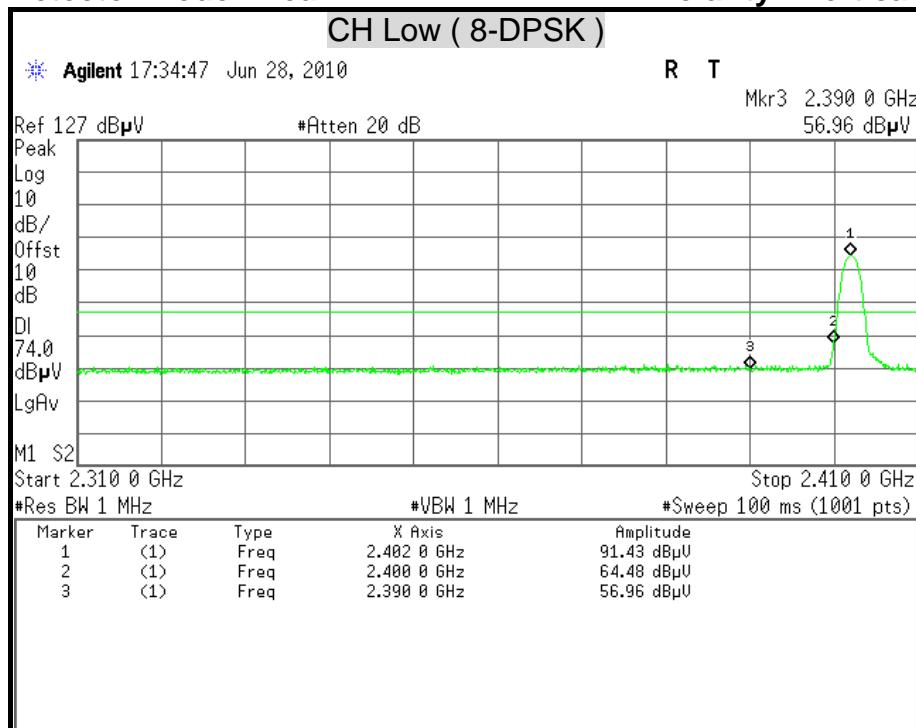
Polarity : Horizontal





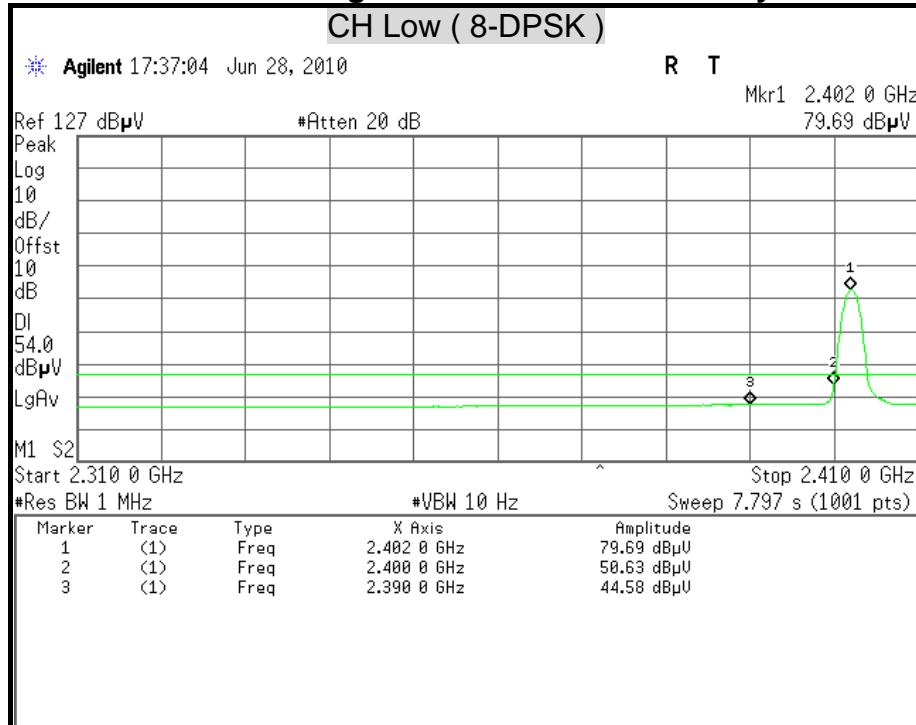
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

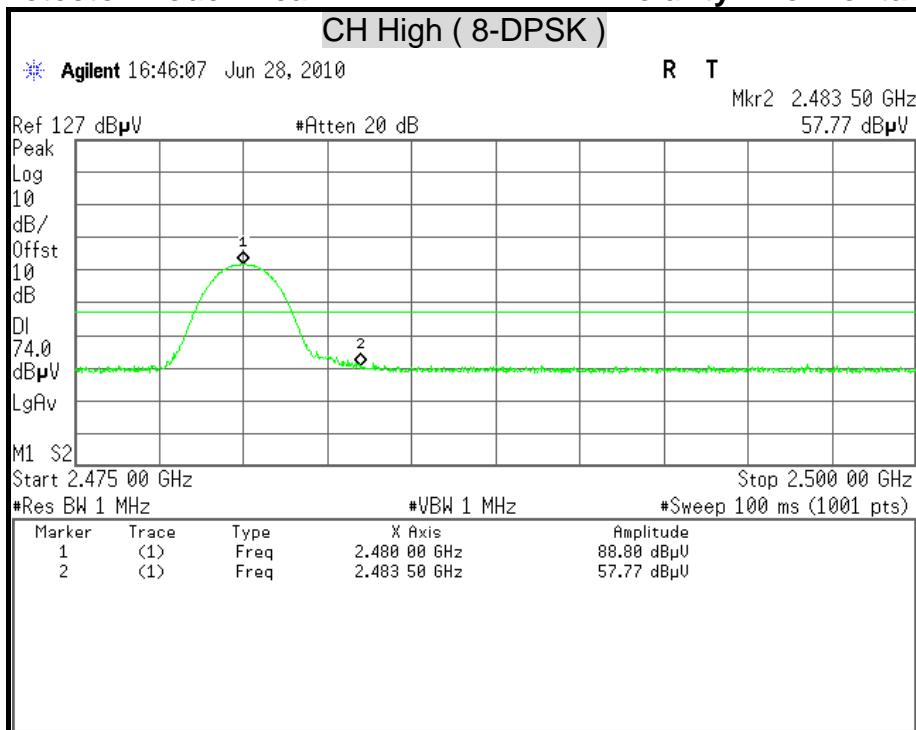
Polarity : Vertical





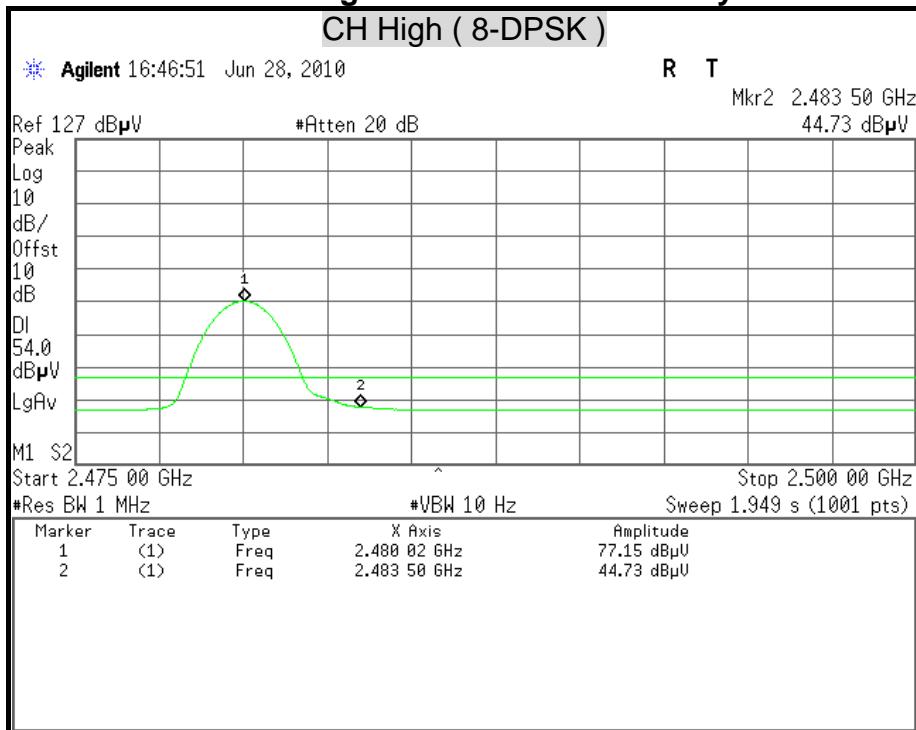
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

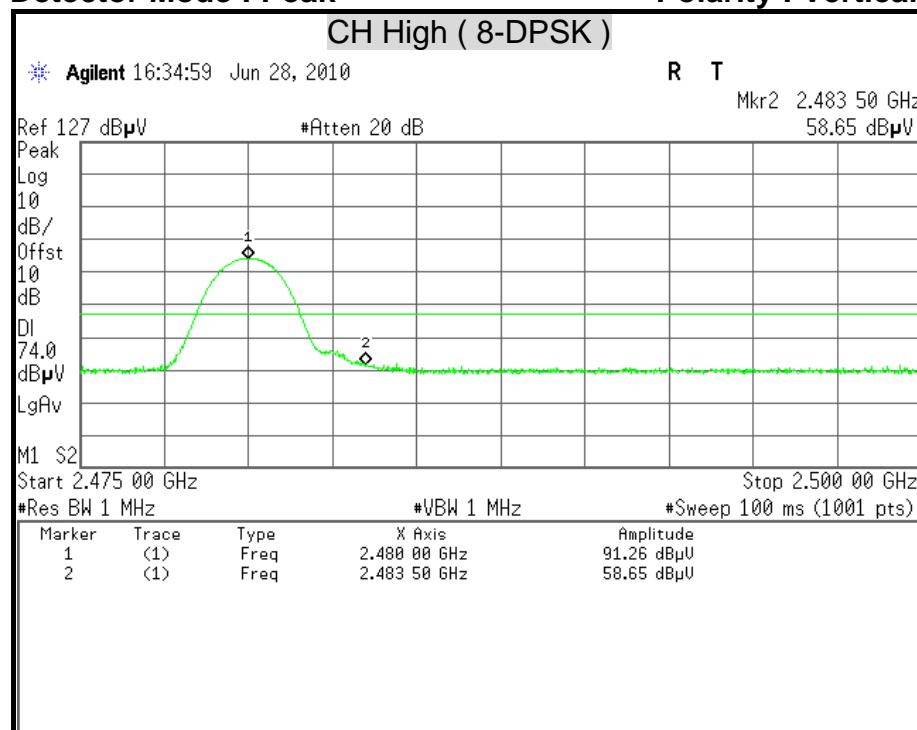
Polarity : Horizontal





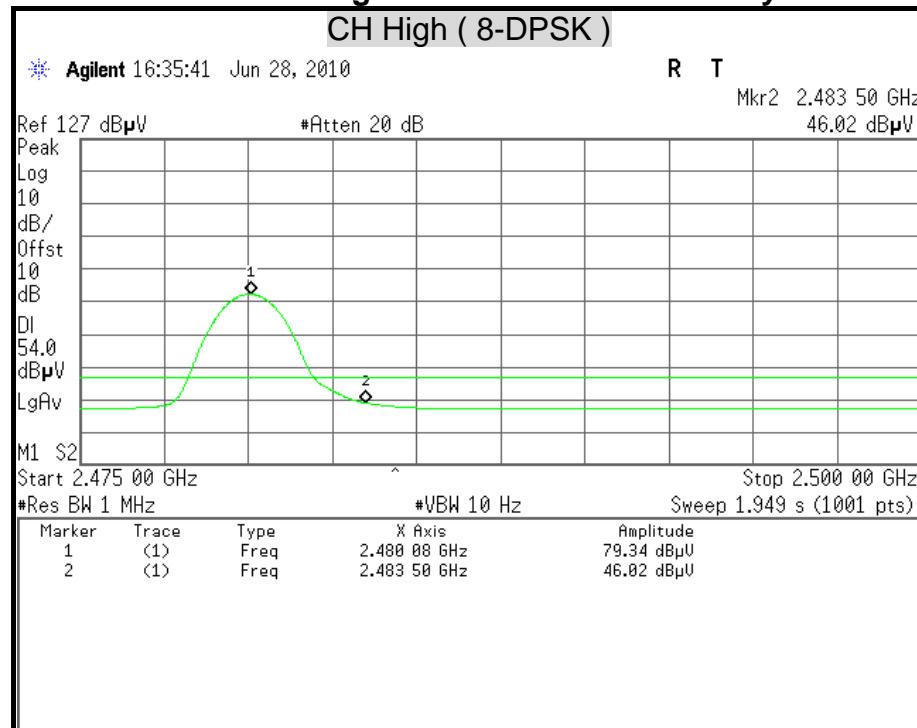
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

Polarity : Vertical





7.8 CONDUCTED EMISSION

LIMITS

§ 15.207 (a) Except as shown in paragraph (b) and (c) this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

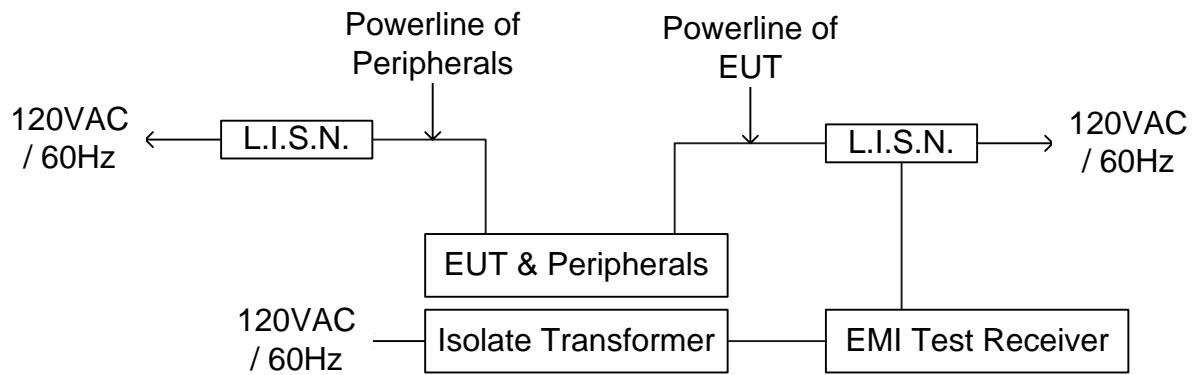
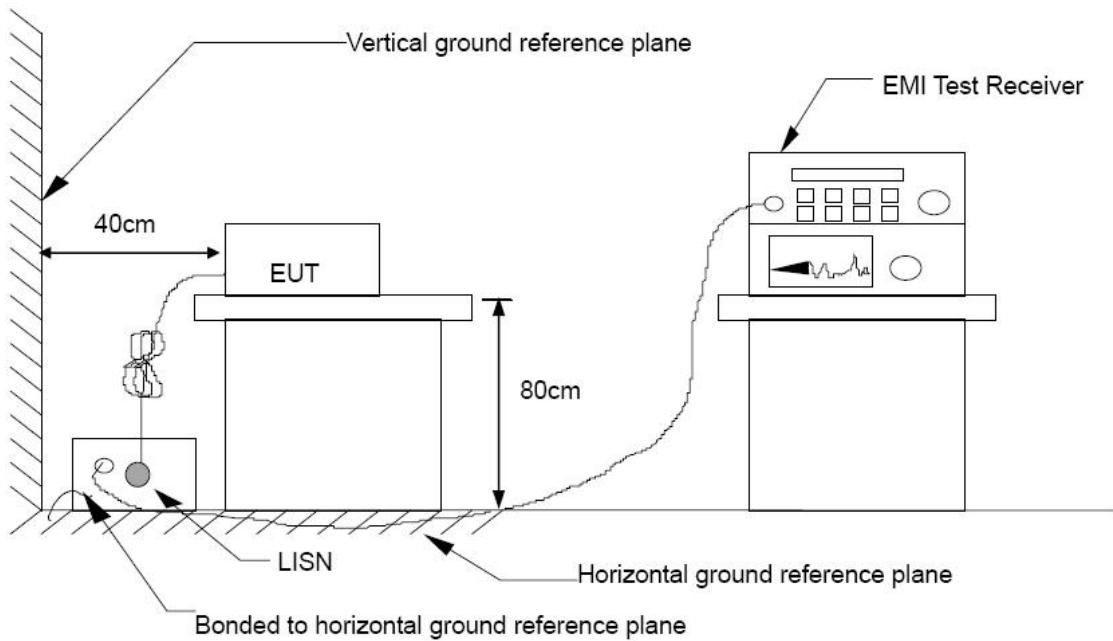
| Frequency Range (MHz) | Conducted Limit (dB μ V) | |
|--------------------------|------------------------------|----------|
| | Quasi-peak | Average |
| 0.15 - 0.50 | 66 to 56 | 56 to 46 |
| 0.50 - 5.00 | 56 | 46 |
| 5.00 - 30.0 | 60 | 50 |

TEST EQUIPMENT

| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
|----------------------|-----------------|--------------|---------------|-----------------|
| L.I.S.N | SCHWARZBECK | NSLK 8127 | 8127-465 | 08/13/2010 |
| L.I.S.N | SCHWARZBECK | NSLK 8127 | 8127-473 | 03/22/2011 |
| TEST RECEIVER | ROHDE & SCHWARZ | ESHS30 | 838550/003 | 01/28/2011 |
| PULSE LIMIT | ROHDE & SCHWARZ | ESH3-Z2 | 100117 | 09/17/2010 |
| N Type Coaxial Cable | BELDEN | 8268 M17/164 | 003 | 07/09/2010 |

Remark: Each piece of equipment is scheduled for calibration once a year.

TEST SETUP





TEST PROCEDURE

The test procedure is performed in a 4m x 3m x 2.4m (LxWxH) shielded room.

The EUT along with its peripherals were placed on a 1.0m (W) x 1.5m (L) and 0.8m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane.

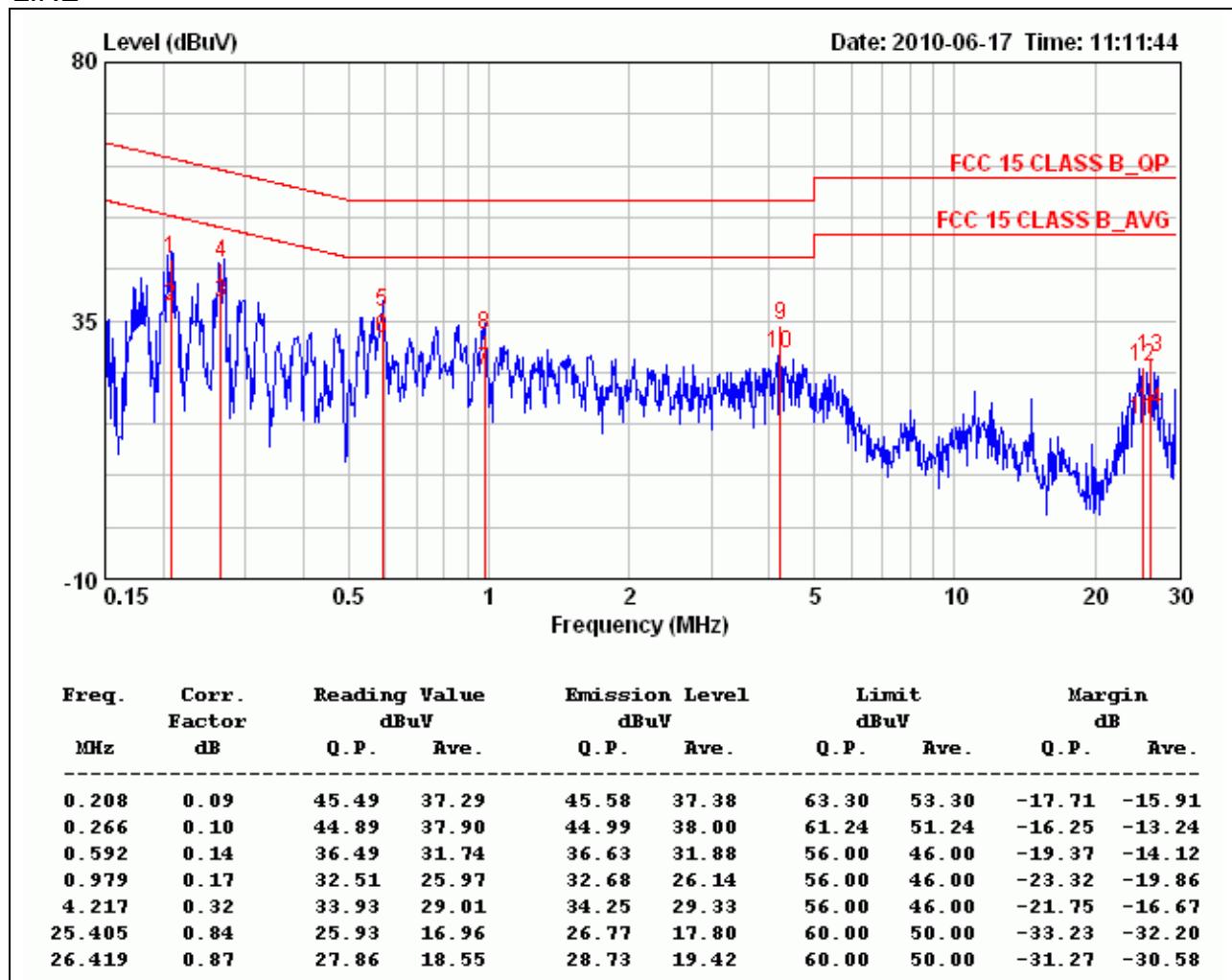
The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room. All peripherals were connected to the second LISN and the chassis ground also bounded to the horizontal ground plane of shielded room.

The EUT was located so that the distance between the boundary of the EUT and the closest surface of the LISN is 0.8 m. Where a mains flexible cord was provided by the manufacturer shall be 1 m long, or if in excess of 1 m, the excess cable was folded back and forth as far as possible so as to form a bundle not exceeding 0.4 m in length.

TEST RESULTS

| | | | |
|--------------|-------------------------------------|-----------------|------------|
| Product Name | FOXL | Test By | Joe Peng |
| Model | V2 BLUETOOTH | Test Date | 2010/06/17 |
| Test Mode | Power Adapter (audio cable mode) | TEMP & Humidity | 23°C, 66% |

LINE

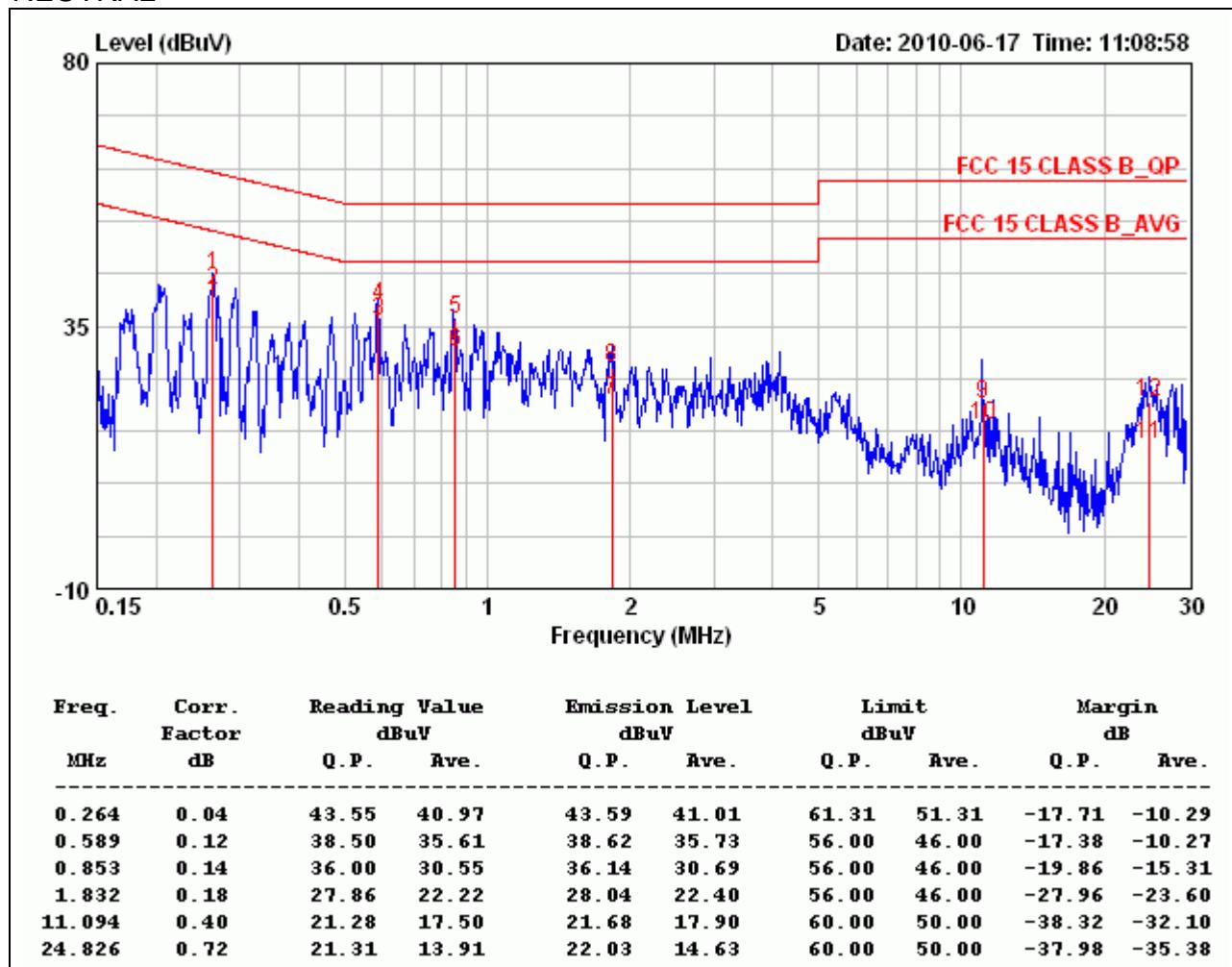
**Remark:**

1. Correction Factor = Insertion loss + cable loss
2. Margin value = Emission level – Limit value



| | | | |
|--------------|-------------------------------------|-----------------|------------|
| Product Name | FOXL | Test By | Joe Peng |
| Model | V2 BLUETOOTH | Test Date | 2010/06/17 |
| Test Mode | Power Adapter (audio cable mode) | TEMP & Humidity | 23°C, 66% |

NEUTRAL



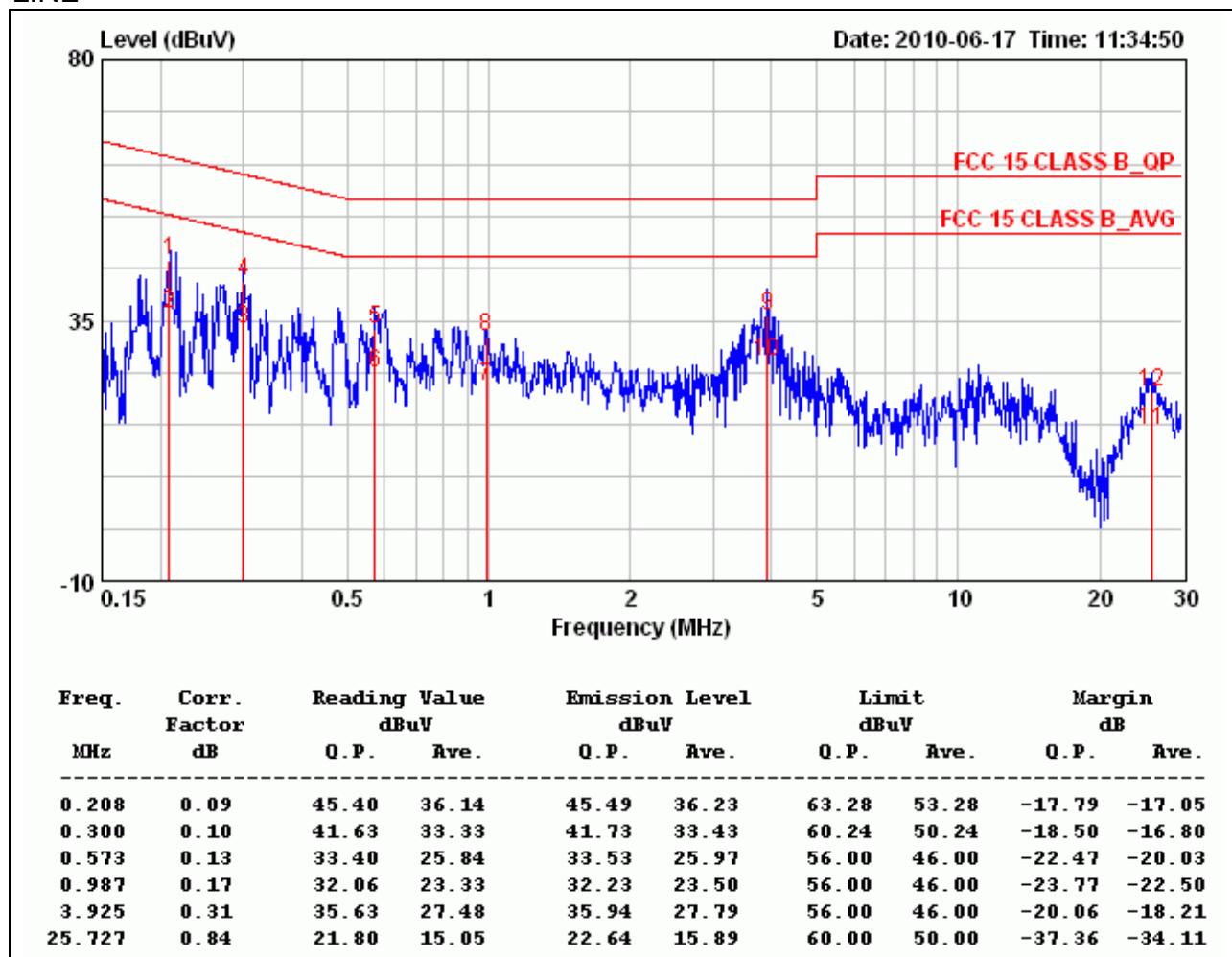
Remark:

1. Correction Factor = Insertion loss + cable loss
2. Margin value = Emission level – Limit value



| | | | |
|--------------|-----------------------------------|-----------------|------------|
| Product Name | FOXL | Test By | Joe Peng |
| Model | V2 BLUETOOTH | Test Date | 2010/06/17 |
| Test Mode | Power Adapter (bluetooth mode) | TEMP & Humidity | 23°C, 66% |

LINE



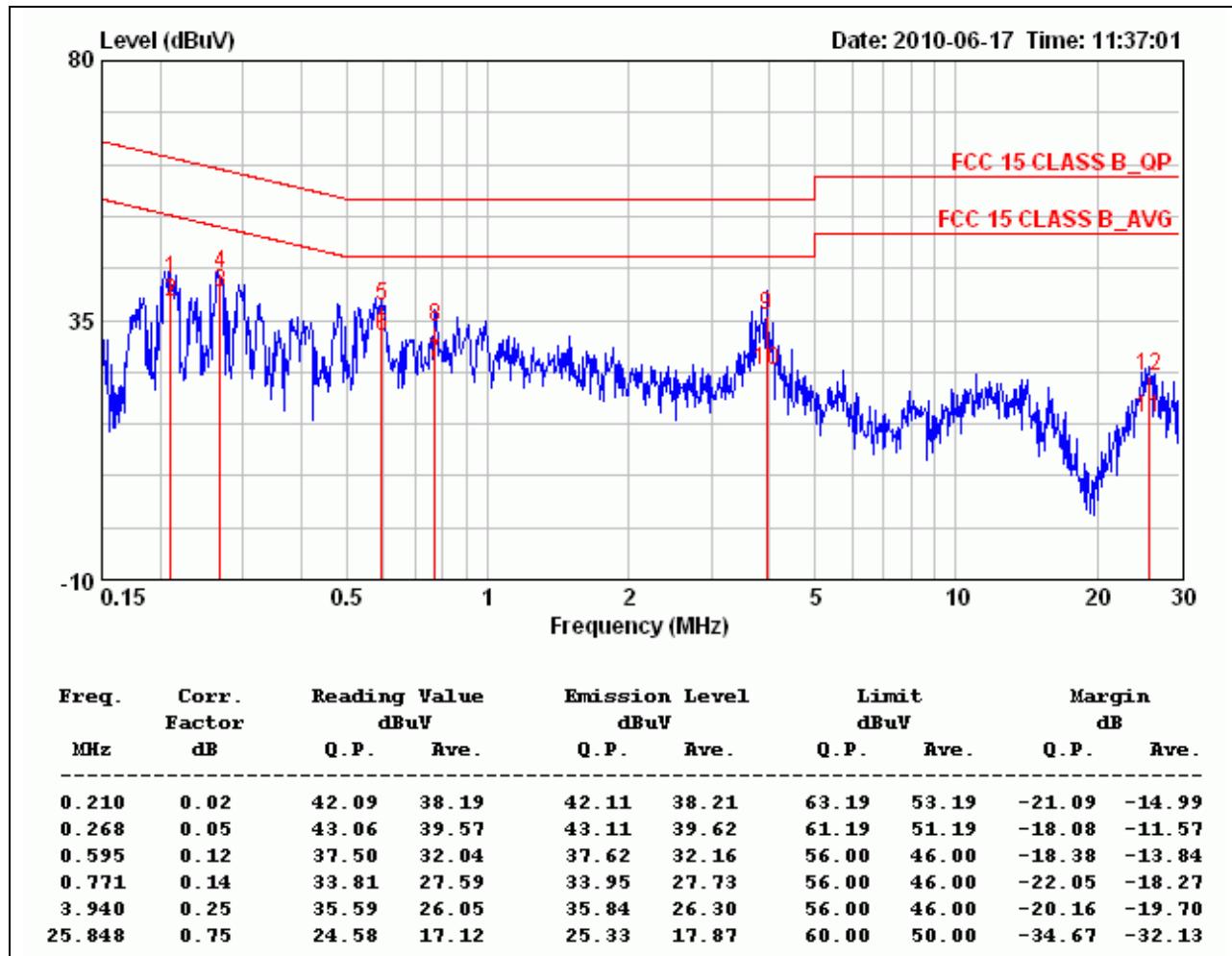
Remark:

1. Correction Factor = Insertion loss + cable loss
2. Margin value = Emission level – Limit value



| | | | |
|--------------|-----------------------------------|-----------------|------------|
| Product Name | FOXL | Test By | Joe Peng |
| Model | V2 BLUETOOTH | Test Date | 2010/06/17 |
| Test Mode | Power Adapter (bluetooth mode) | TEMP & Humidity | 23°C, 66% |

NEUTRAL



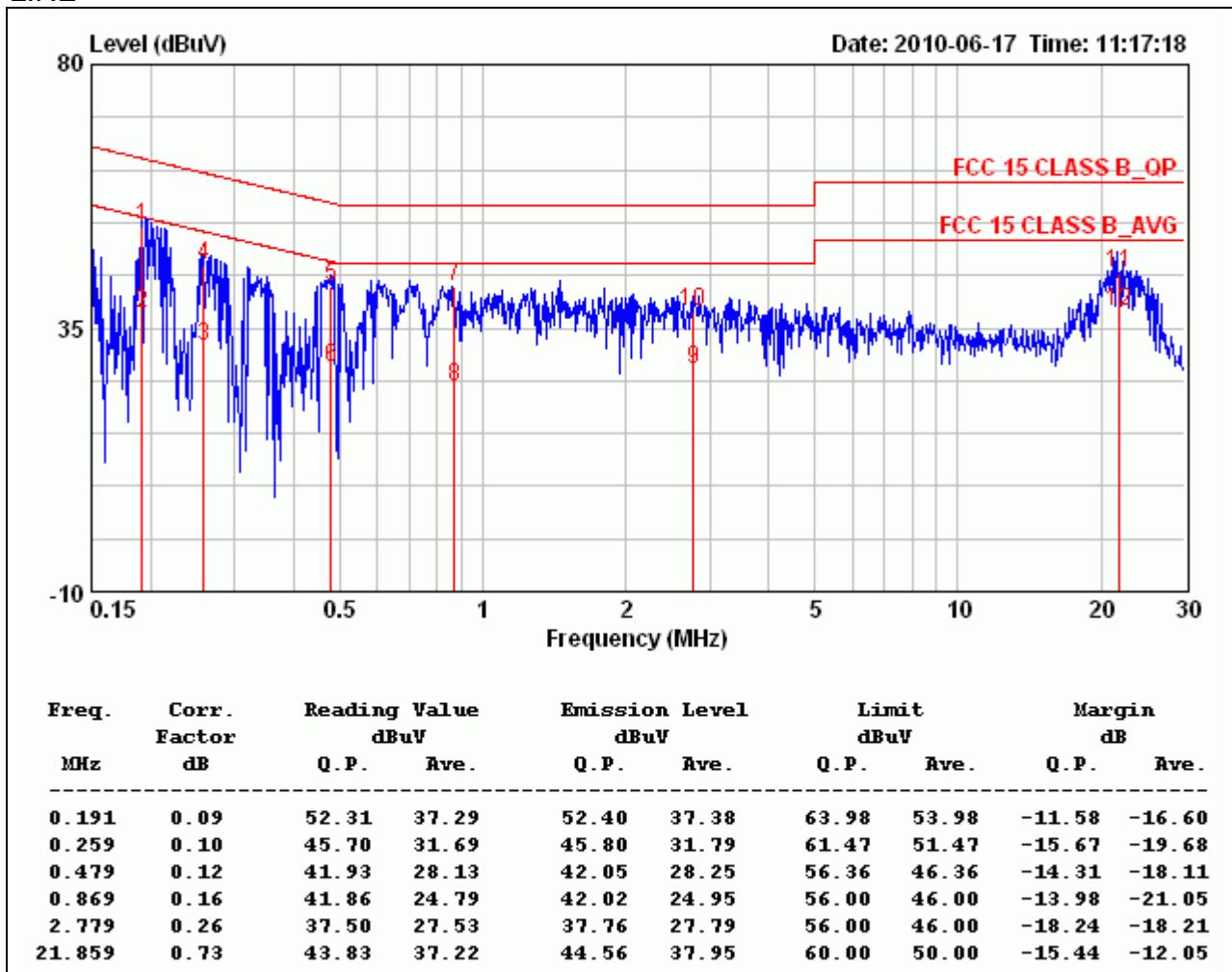
Remark:

1. Correction Factor = Insertion loss + cable loss
2. Margin value = Emission level – Limit value



| | | | |
|--------------|-----------------------------------|-----------------|------------|
| Product Name | FOXL | Test By | Joe Peng |
| Model | V2 BLUETOOTH | Test Date | 2010/06/17 |
| Test Mode | Charge Mode (audio cable mode) | TEMP & Humidity | 23°C, 66% |

LINE



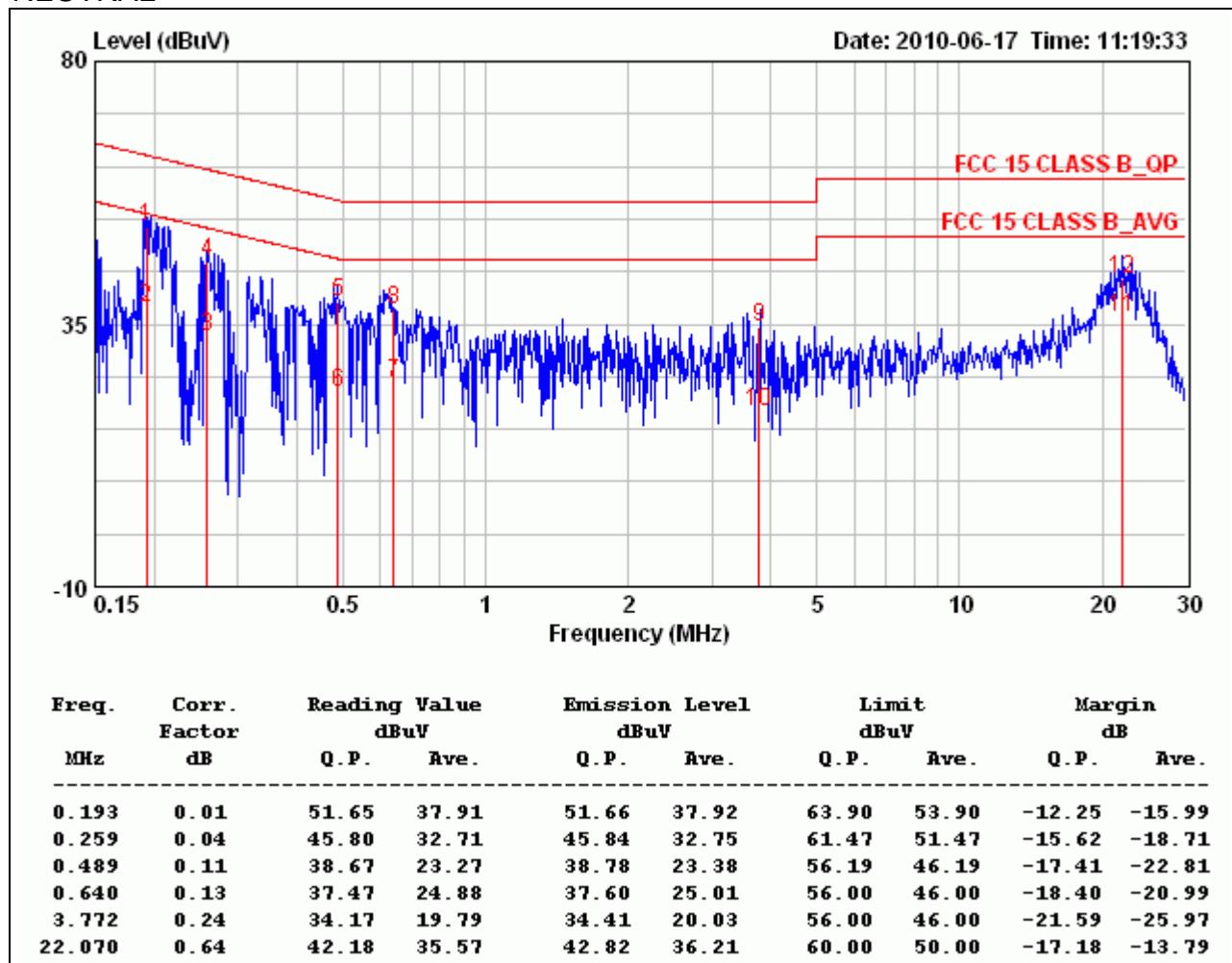
Remark:

1. Correction Factor = Insertion loss + cable loss
2. Margin value = Emission level – Limit value



| | | | |
|--------------|-----------------------------------|-----------------|------------|
| Product Name | FOXL | Test By | Joe Peng |
| Model | V2 BLUETOOTH | Test Date | 2010/06/17 |
| Test Mode | Charge Mode (audio cable mode) | TEMP & Humidity | 23°C, 66% |

NEUTRAL



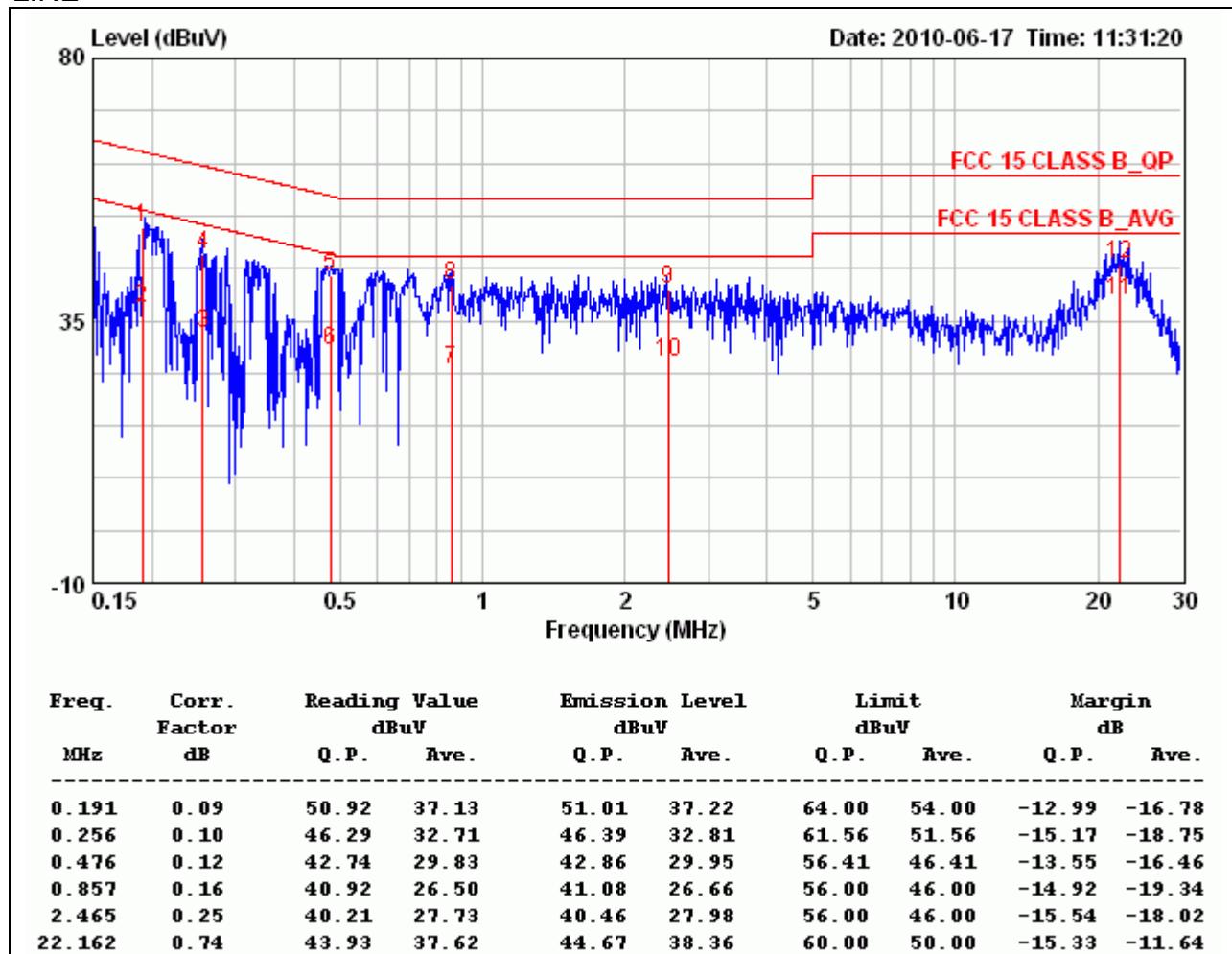
Remark:

1. Correction Factor = Insertion loss + cable loss
2. Margin value = Emission level – Limit value



| | | | |
|--------------|---------------------------------|-----------------|------------|
| Product Name | FOXL | Test By | Joe Peng |
| Model | V2 BLUETOOTH | Test Date | 2010/06/17 |
| Test Mode | Charge Mode (bluetooth mode) | TEMP & Humidity | 23°C, 66% |

LINE



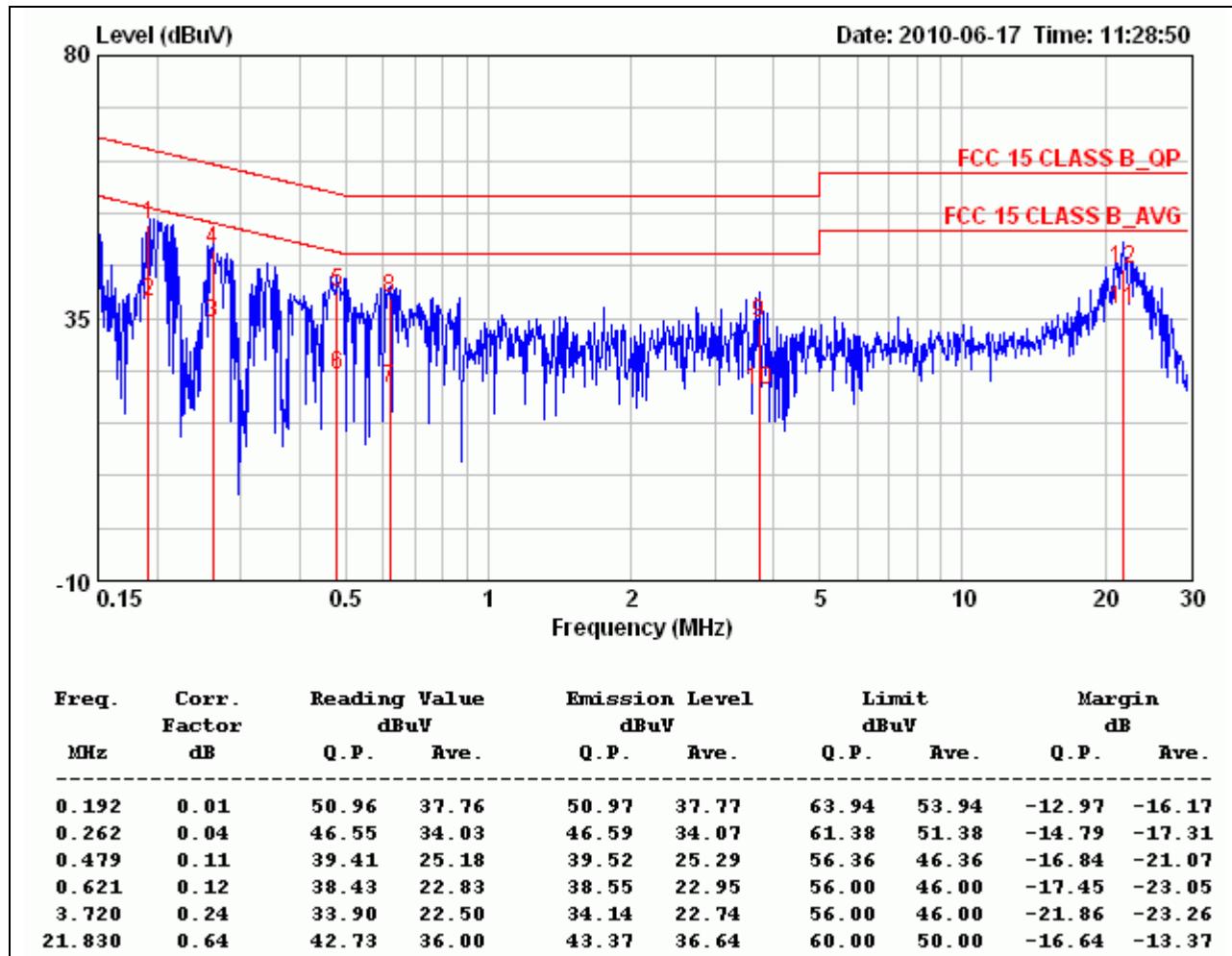
Remark:

1. Correction Factor = Insertion loss + cable loss
2. Margin value = Emission level – Limit value



| | | | |
|--------------|---------------------------------|-----------------|------------|
| Product Name | FOXL | Test By | Joe Peng |
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| Test Mode | Charge Mode (bluetooth mode) | TEMP & Humidity | 23°C, 66% |

NEUTRAL



Remark:

1. Correction Factor = Insertion loss + cable loss
2. Margin value = Emission level – Limit value