FCC 47 CFR PART 15 SUBPART C

Report No: SZ120625B01-RP

TEST REPORT

For

Bluetooth Speaker Model: 834 Brand: Kuryakyn <u>Test Report Number:</u>

SZ120625B01-RP

Prepared for

Dongguan XYE Computer Co., Ltd.

Baotun Industrial District, Houjie Town, Dongguan City, Guangdong Province, China

Prepared by

COMPLIANCE CERTIFICATION SERVICES (SHENZHEN) INC. No.10-1, Mingkeda Logistics Park, No.18, Huanguan South Rd., Guan Lan Town, Baoan District, Shenzhen, China

TEL: 86-755-28055000 FAX: 86-755-28055221 Issued Date: July 12, 2012



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Revision History

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Rev.	Issue No.	Revisions	Effect Page	Revised By
00	SZ120625B01-RP	Initial Issue	ALL	Nancy Fu

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1. TEST RESULT CERTIFICATION

Product	Bluetooth Speaker
Model	834
Brand	Kuryakyn
Tested	June 25~ July 12, 2012
Applicant	Dongguan XYE Computer Co., Ltd. Baotun Industrial District, Houjie Town, Dongguan City, Guangdong Province, China
Manufacturer	Dongguan XYE Computer Co., Ltd. Baotun Industrial District, Houjie Town, Dongguan City, Guangdong Province, China

APPLICABLE STANDARDS				
STANDARD TEST RESULT				
FCC 47 CFR Part 15 Subpart C	No non-compliance noted			

We hereby certify that:

The above equipment was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4:2009 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15.207, 15.209 and 15.247.

The test results of this report relate only to the tested sample EUT identified in this report.

Approved by:

Tom Gan

Supervisor of EMC Dept.

Compliance Certification Service Inc.

Reviewed by:

Aven Zhou

Supervisor of Report Dept.

Compliance Certification Service Inc.

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2. EUT DESCRIPTION

Product	Bluetooth Speaker
Model Number	834
Brand	Kuryakyn
Model Discrepancy	N/A
Identify Number	SZ120625B01-RP
Power Supply	DC 14.5V
Received Date	June 25, 2012
Frequency Range	2402 ~ 2480 MHz
Transmit Power	GFSK: 1.90dBm 8DPSK: 0.83dBm
Modulation Technique	FHSS (GFSK for 1Mbps, π /4-DQPSK for 2Mbps, 8DPSK for 3Mbps)
Number of Channels	79 Channels
Antenna Specification	PCB antenna with 0dBi gain(Max)
Power Cable	Unshielded, 1.70m
Audio Cable	Unshielded, 0.30m
Temperature Range	0°C ~ +50°C

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Note: This submittal(s) (test report) is intended for FCC ID: <u>WI212K834</u> filing to comply with Section 15.207, 15.209 and 15.247 of the FCC Part 15, Subpart C Rules.

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3. TEST METHODOLOGY

3.1. DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition.

Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

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The following test mode(s) were scanned during the preliminary test below 1G:

Test Item	Test mode	Worse mode
Conducted Emission	Not applicable since the EUT supplied by the DC power.	
Radiated Emission	Mode 1: TX	

Above 1G, Channel Low (2402MHz) · Mid (2441MHz) and High (2480MHz) were chosen for full testing for GFSK and 8DPSK.

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4. FACILITIES AND ACCREDITATIONS

4.1. FACILITIES

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

No.10-1, Mingkeda Logistics Park, No.18, Huanguan South Rd., Guan Lan Town, Baoan District, Shenzhen, China

The sites are constructed in conformance with the requirements of ANSI C63.4:2009, ANSI C63.7 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

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4.2. ACCREDITATIONS

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

USA A2LA Taiwan TAF

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

USA FCC

Japan VCCI(C-3478, R-3135, T-652)

Canada INDUSTRY CANADA

Taiwan BSMI Norway Nemko

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

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Uncertainty				
Conducted emissions	9kHz~30MHz	+/- 3.18dB				
Radiated emissions	30MHz ~ 200MHz	+/- 3.79dB				
	200MHz ~1000MHz	+/- 3.62dB				
	Above 1000MHz	+/- 5.04dB				
Band Edges	+/-0.182 dB					

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

The measured result is above (below) the specification limit by a margin less than the measurement uncertainty; it is therefore not possible to state compliance based on the 95% level of confidence. However, the result indicates that compliance (non-compliance) is more probable than non-compliance) with the specification limit.

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5. SETUP OF EQUIPMENT UNDER TEST

5.1. SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

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5.2. SUPPORT EQUIPMENT

No	Equipment	Model	Serial No.	FCC ID	Brand	Data Cable	Power Cord
1	Notebook	B475	WB04591721	N/A	Lenovo	Shielded 1.50m	Unshielded 1.80m
2	DC Power	PS605D	N/A	N/A	DAEHENG	N/A	Unshielded 1.60m

Notes:

Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

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6. FCC PART 15.247 REQUIREMENTS

6.1. 20DB BANDWIDTH

None; for reporting purpose only.

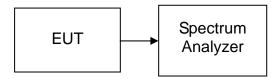
MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzei	Agilent	E4446A	US44300399	03/19/2012	03/19/2013

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

TEST CONFIGURATION



TEST PROCEDURE

- 1. Place the EUT on the table and set it in the transmitting mode.
- 2. Remove the antenna from the EUT, then connect a low loss RF cable from antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as RBW=30kHz, VBW=100kHz, Span=5MHz, Sweep = auto.
- 4. Mark the peak frequency and 20dB (upper and lower) frequency.
- 5. Repeat until all the test channels are investigated.

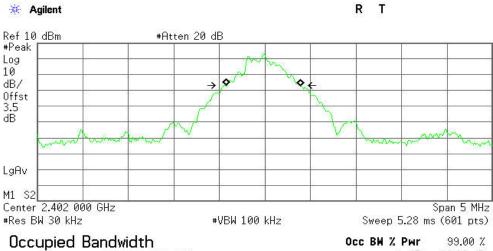
TEST RESULTS

No non-compliance noted

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Test plot (GFSK)

20dB Bandwidth (CH Low)



823.1591 kHz

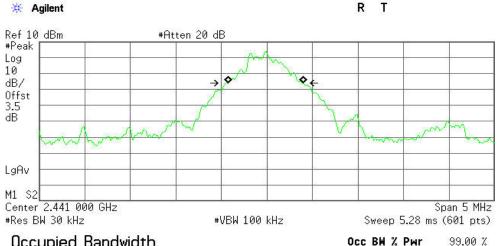
x dB −20.00 dB

x dB -20.00 dB

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-16.248 kHz Transmit Freq Error x dB Bandwidth 845.390 kHz

20dB Bandwidth (CH Mid)

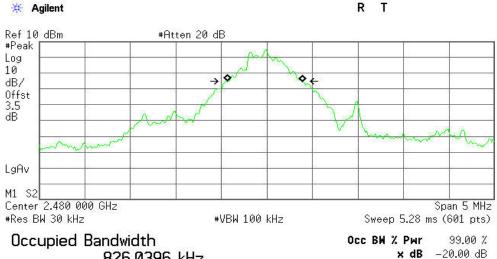


Occupied Bandwidth 825.7340 kHz

Transmit Freq Error -15.512 kHz x dB Bandwidth 846.954 kHz

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20dB Bandwidth (CH High)

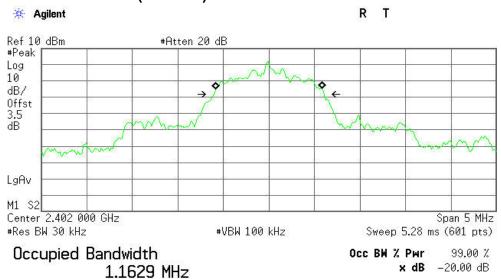


826.0396 kHz

Transmit Freq Error -17.362 kHz x dB Bandwidth 843.460 kHz

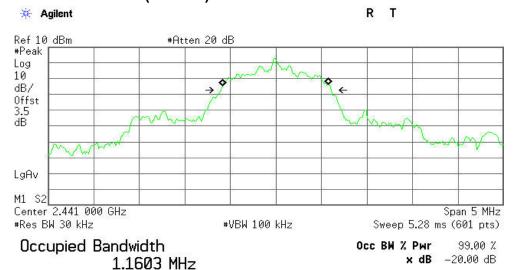
Test plot (8DPSK)

20dB Bandwidth (CH Low)



Transmit Freq Error -1.859 kHz x dB Bandwidth 1.213 MHz

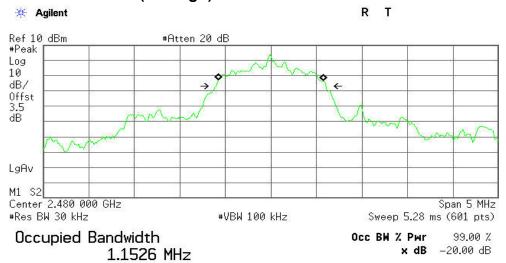
20dB Bandwidth (CH Mid)



Transmit Freq Error -2.294 kHz x dB Bandwidth 1.210 MHz

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20dB Bandwidth (CH High)



Transmit Freq Error x dB Bandwidth

-2.432 kHz 1.205 MHz

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6.2. PEAK POWER

LIMIT

The maximum peak output power of the intentional radiator shall not exceed the following:

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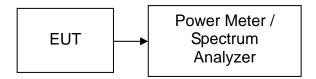
- 1. For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.
- 2. Except as shown in paragraphs (b)(3) (i), (ii) and (iii) of this section, if transmitting antennas of directional gain greater than 6dBi are used the peak output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1) or (b)(2) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6dBi.
- 3. The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Power Meter	Anritsu	ML2487A	6K00001491	03/19/2012	03/19/2013
Power Sensor	Anritsu	MA2411B	1126150	01/27/2012	01/27/2013
Spectrum Analyzer	Agilent	E4446A	US44300399	03/19/2012	03/19/2013

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

Test Configuration



TEST PROCEDURE

The transmitter output is connected to the RF Power Meter. The RF Power Meter is set to the peak power detection.

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TEST RESULTS

No non-compliance noted

Test Data

GFSK

Channel	Frequency (MHz)	Reading Power (dBm)	Factor (dB)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2402	-4.34	3.50	-0.84	0.00082		PASS
Mid	2441	-3.07	3.50	0.43	0.00110	1	PASS
High	2480	-1.60	3.50	1.90	0.00155		PASS

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8DPSK

Channel	Frequency (MHz)	Reading Power (dBm)	Factor (dB)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2402	-5.38	3.50	-1.88	0.00065		PASS
Mid	2441	-4.11	3.50	-0.61	0.00087	1	PASS
High	2480	-2.67	3.50	0.83	0.00121		PASS

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6.3. PEAK POWER SPECTRAL DENSITY

LIMIT

1. For direct sequence systems, 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.

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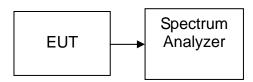
2. The direct sequence operating of the hybrid system, with the frequency hopping operation turned off, shall comply with the power density requirements of paragraph (d) of this section.

MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	E4446A	US44300399	03/19/2012	03/19/2013

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

Test Configuration



TEST PROCEDURE

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as RBW = 3kHz, VBW = 10kHz, Span = 1.5MHz, Sweep=500s
- 4. Record the max. reading.
- 5. Repeat the above procedure until the measurements for all frequencies are completed.

TEST RESULTS

Not applicable. Since EUT is the Bluetooth device.

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6.4. BAND EDGES MEASUREMENT

LIMIT

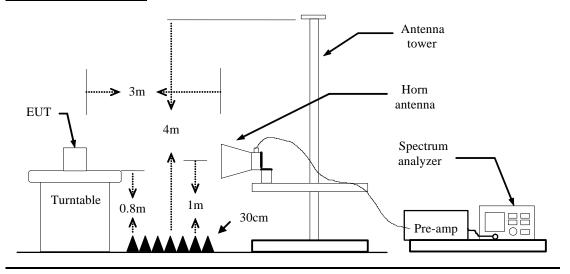
According to §15.247(c), in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, 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 in15.209(a).

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MEASUREMENT EQUIPMENT USED

Radiated Emission Test Site 966(2)								
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration			
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	03/19/2012	03/19/2013			
ESCI EMI TEST RECEIVE.ESCI	ROHDE&SCHWARZ	ESCI	100783	03/17/2012	03/17/2013			
Amplifier	MITEQ	AM-1604-3000	1123808	03/18/2012	03/18/2013			
Turn Table	EMCO	2081-1.21	N/A	N.C.R	N.C.R			
Controller	СТ	N/A	N/A	N.C.R	N.C.R			
High Noise Amplifier	Agilent	8449B	3008A01838	03/18/2012	03/18/2013			
Bilog Antenna	SCHAFFNER	CBL6143	5082	03/17/2012	03/17/2013			
Horn Antenna	SCHWARZBECK	BBHA9120	D286	03/17/2012	03/17/2013			
Loop Antenna	A、R、A	PLA-1030/B	1029	03/23/2012	03/23/2013			
Temp. / Humidity Meter	VICTOR	VC230	N/A	03/19/2012	03/19/2013			
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R			
Test S/W FARAD		LZ-RF / CCS-SZ-3A2						

Test Configuration



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TEST PROCEDURE

- 1. The EUT is placed on a turntable, which is 0.8m above the ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.

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- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz / VBW=510Hz / Sweep=AUTO
- 5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

TEST RESULTS

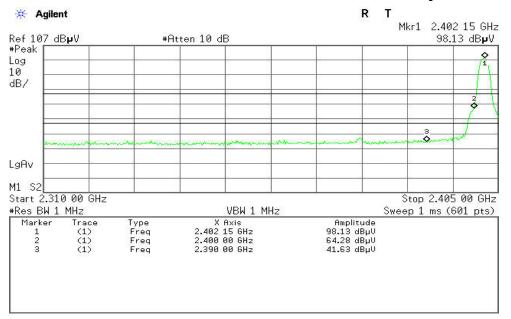
Refer to attach spectrum analyzer data chart.

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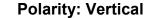
Test Data (GFSK)

Band Edges (CH-Low)

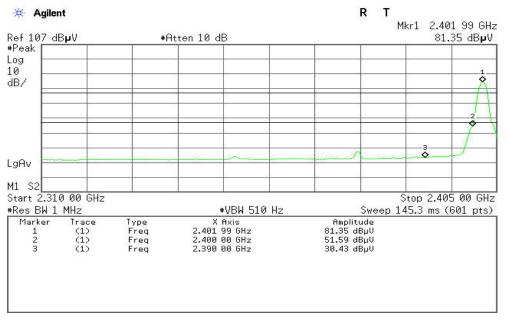
Detector mode: Peak Polarity: Vertical



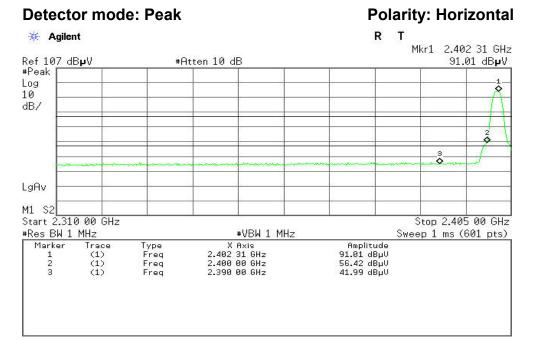
Detector mode: Average



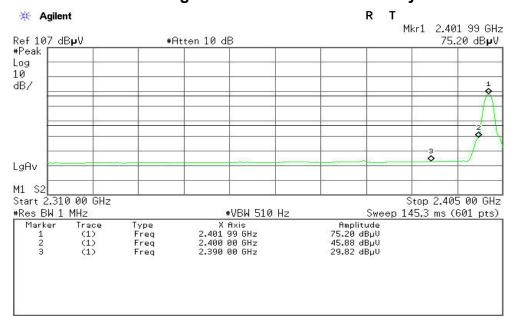
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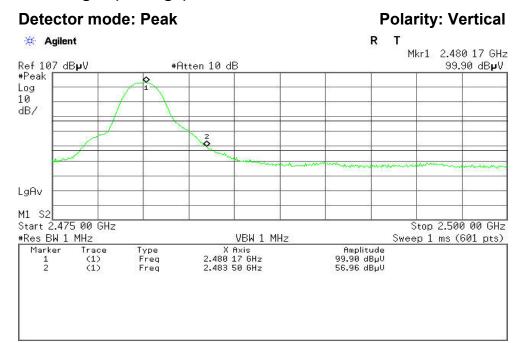


Detector mode: Average Polarity: Horizontal

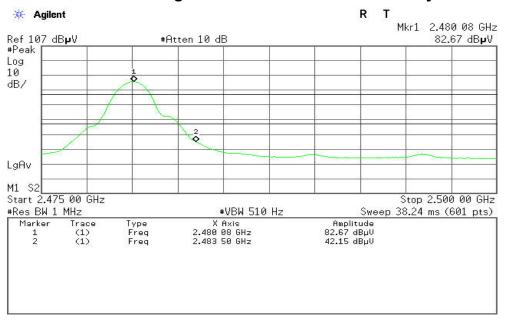


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Band Edges (CH-High)

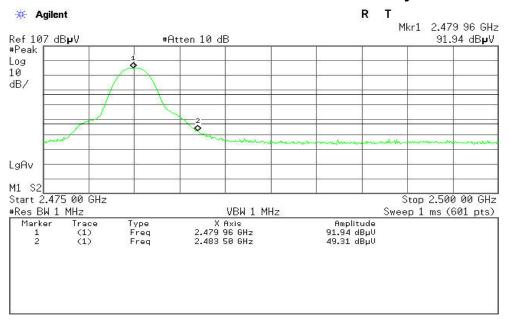


Detector mode: Average Polarity: Vertical



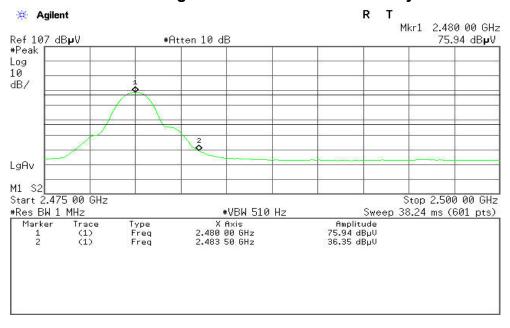
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Polarity: Horizontal Detector mode: Peak



Detector mode: Average

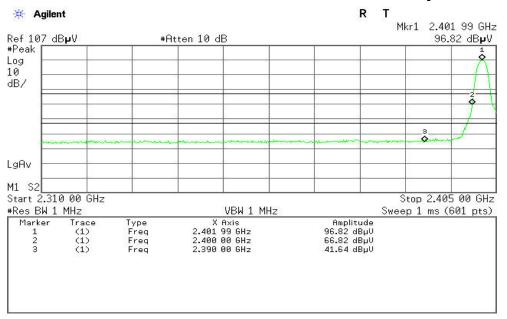
Polarity: Horizontal



Test Data (8DPSK)

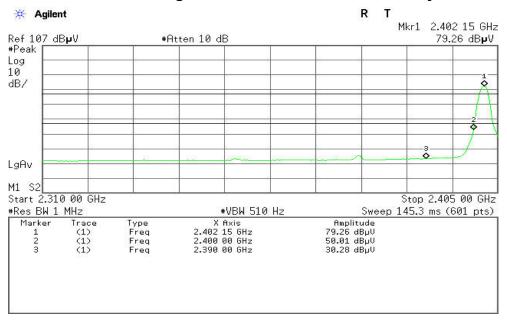
Band Edges (CH-Low)

Detector mode: Peak Polarity: Vertical

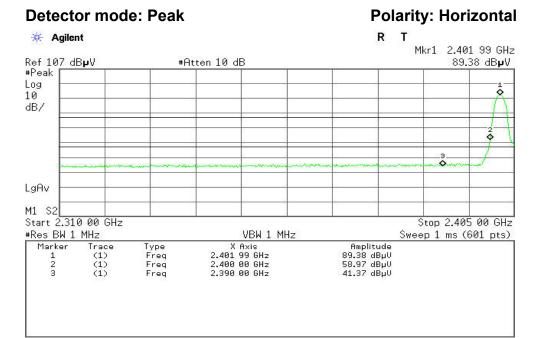


Detector mode: Average

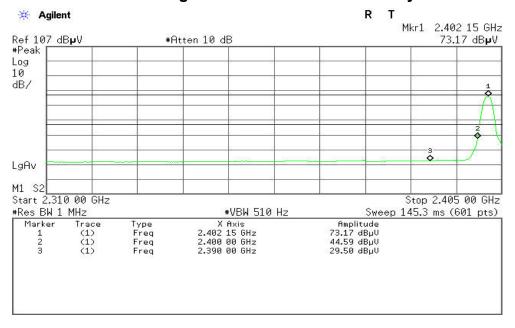
Polarity: Vertical



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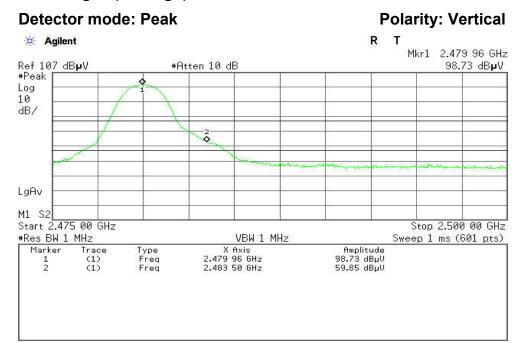


Detector mode: Average Polarity: Horizontal

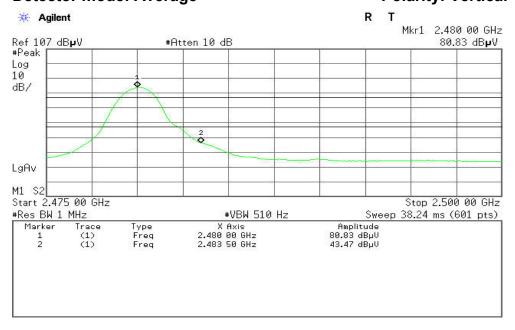


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Band Edges (CH-High)

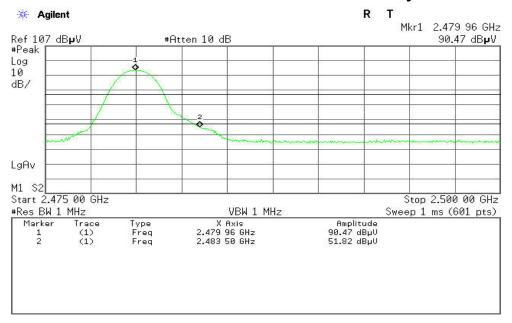


Detector mode: Average Polarity: Vertical

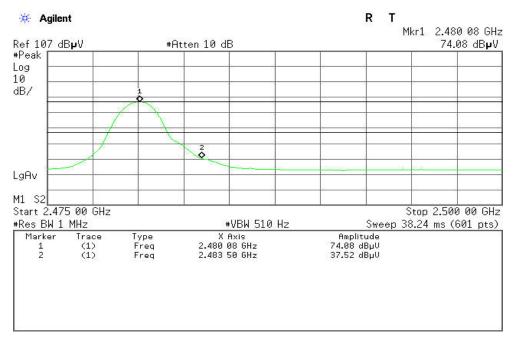


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Polarity: Horizontal Detector mode: Peak



Detector mode: Average Polarity: Horizontal



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6.5. FREQUENCY SEPARATION

LIMIT

According to §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.

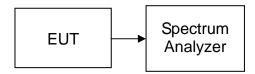
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MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	E4446A	US44300399	03/19/2012	03/19/2013

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

Test Configuration



TEST PROCEDURE

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set center frequency of spectrum analyzer = middle of hopping channel.
- 4. Set the spectrum analyzer as RBW=30kHz, VBW=30kHz, Adjust Span to 4 MHz, Sweep = auto.
- 5. Max hold. Mark 3 Peaks of hopping channel and record the 3 peaks frequency.

TEST RESULTS

No non-compliance noted

Test Data

GFSK

Channel Separation To (MHz)		Two-thirds of the 20 dB Bandwidth (kHz)	Channel Separation Limit	Result
	1.000	564.636	> Two-thirds of the 20 dB Bandwidth	Pass

8DPSK

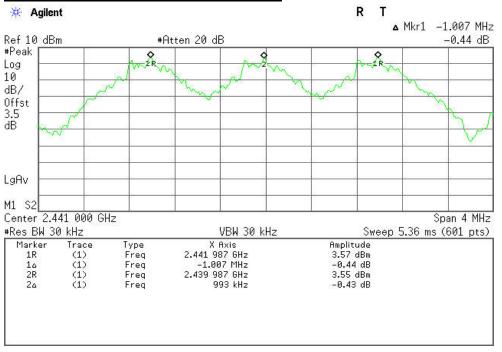
Channel Separation Two-thirds of the 20 dB (MHz) Bandwidth (kHz)		Channel Separation Limit	Result
1.000	808.666	> Two-thirds of the 20 dB Bandwidth	Pass

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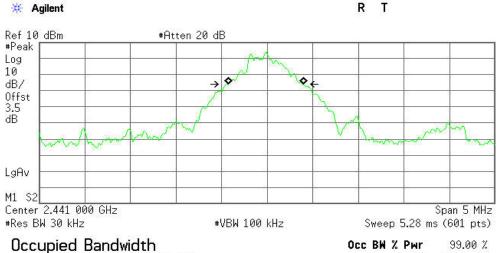
GFSK

Test Plot





20 dB bandwidth(CH Mid)



Uccupied Bandwidth 825.7340 kHz x dB -20.00 dB

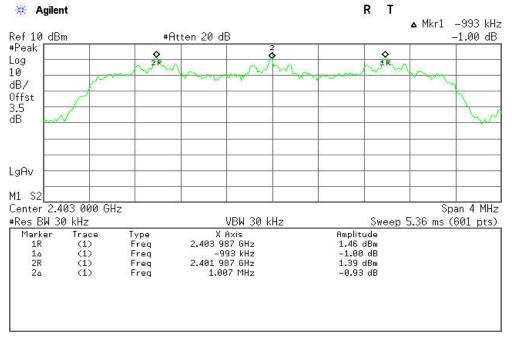
Transmit Freq Error -15.512 kHz x dB Bandwidth 846.954 kHz

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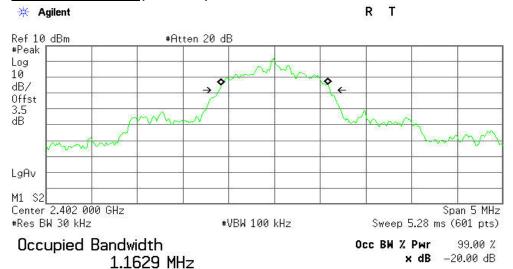
8DPSK

Test Plot





20 dB bandwidth(CH Low)



Transmit Freq Error -1.859 kHz x dB Bandwidth 1.213 MHz

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6.6. NUMBER OF HOPPING FREQUENCY

LIMIT

According to §15.247(a)(1)(ii), Frequency hopping systems operating in the 2400MHz-2483.5 MHz bands shall use at least 15 hopping frequencies.

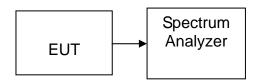
Report No: SZ120625B01-RP

MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	E4446A	US44300399	03/19/2012	03/19/2013

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

Test Configuration



TEST PROCEDURE

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set spectrum analyzer Start=2400MHz, Stop = 2441.5MHz, Sweep = 1ms and Start=2441.5MHz, Stop = 2483.5MHz, Sweep = 1ms.
- 4. Set the spectrum analyzer as RBW, VBW=300kHz,
- 5. Max hold, view and count how many channel in the band.

TEST RESULTS

No non-compliance noted

Test Data

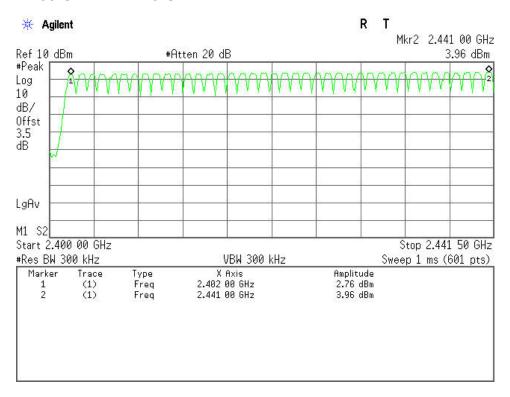
Result (No. of CH)	Limit (No. of CH)	Result
79	>15	PASS

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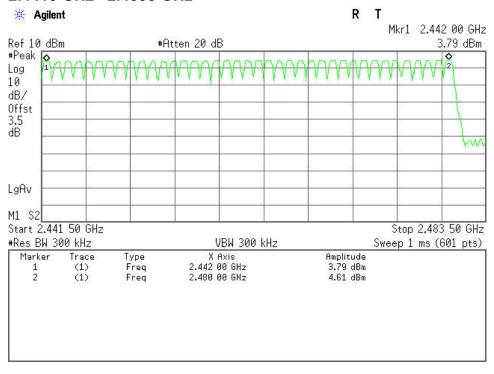
Test Plot (GFSK)

Channel Number

2.400 GHz - 2.4415 GHz



2.4415 GHz -2.4835 GHz

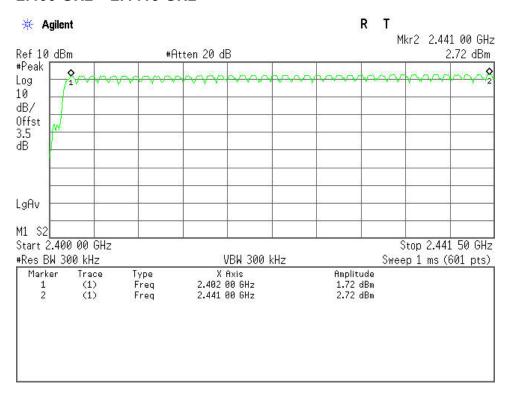


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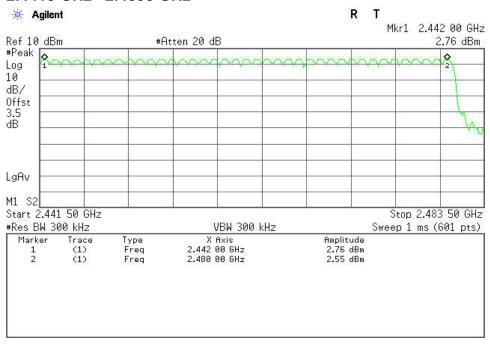
Test Plot (8DPSK)

Channel Number

2.400 GHz - 2.4415 GHz



2.4415 GHz -2.4835 GHz



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6.7. TIME OF OCCUPANCY (DWELL TIME)

LIMIT

According to §15.247(a)(1)(iii), Frequency hopping systems operating in the 2400MHz-2483.5 MHz bands. The average time of occupancy on any channels shall not greater than 0.4 s within a period 0.4 s multiplied by the number of hopping channels employed.

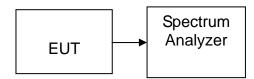
Report No: SZ120625B01-RP

MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	E4446A	US44300399	03/19/2012	03/19/2013

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

Test Configuration



TEST PROCEDURE

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set center frequency of spectrum analyzer = operating frequency.
- 4. Set the spectrum analyzer as RBW, VBW=1MHz, Span = 0Hz, Sweep = auto.
- 5. Repeat above procedures until all frequency measured were complete.

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TEST RESULTS

No non-compliance noted

Test Data

GFSK

<u>DH 1</u>

CH Mid: 0.505* (1600/2)/79*31.6 = 161.600 (ms)

СН	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result
Mid	0.505	161. 600	31.60	400.00	PASS

Report No: SZ120625B01-RP

DH 3

CH Mid: $1.760^* (1600/4)/79 * 31.6 = 281.600 (ms)$

СН	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result
Mid	1.760	281.600	31.60	400.00	PASS

<u>DH 5</u>

CH Mid: 3.013* (1600/6)/79* 31.6 = 321.387 (ms)

СН	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result
Mid	3.013	321.387	31.60	400.00	PASS

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Test Data

8DPSK

DH 1

CH Mid: $0.520^* (1600/2)/79 * 31.6 = 166.400 (ms)$

СН	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result
Mid	0.520	166.400	31.60	400.00	PASS

DH 3

CH Mid: $1.770^* (1600/4)/79 * 31.6 = 283.200 (ms)$

СН	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result
Mid	1.770	283.200	31.60	400.00	PASS

<u>DH 5</u>

CH Mid: 3.020* (1600/6)/79 * 31.6 = 322.133 (ms)

СН	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result
Mid	3.020	322.133	31.60	400.00	PASS

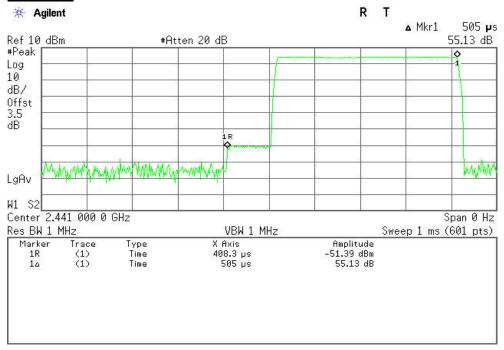
FCC ID: WI212K834 Page 35 of 59

Test Plot

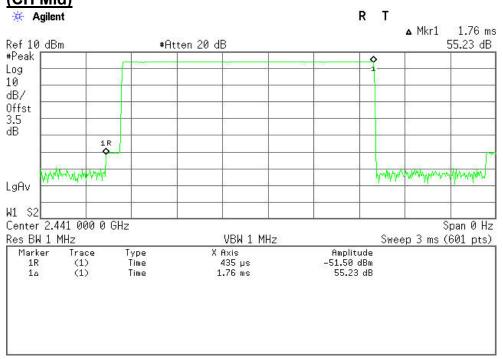
GFSK

DH 1

(CH Mid)

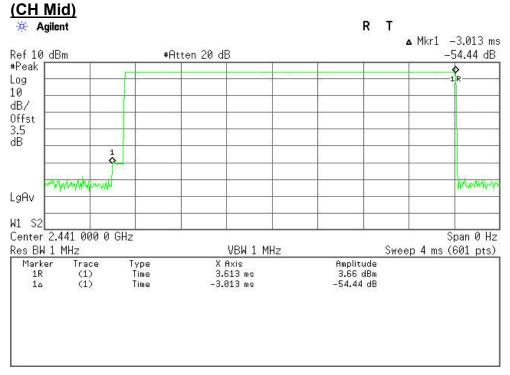


DH 3 (CH Mid)



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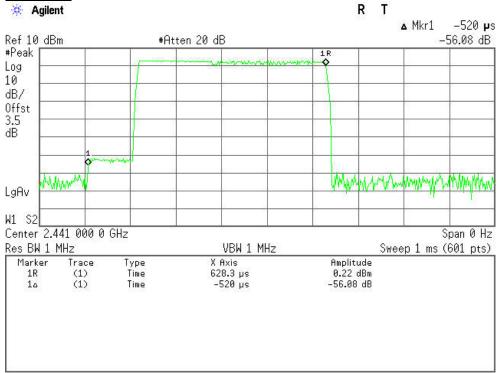
Compliance Certification Services Inc.

Report No: SZ120625B01-RP

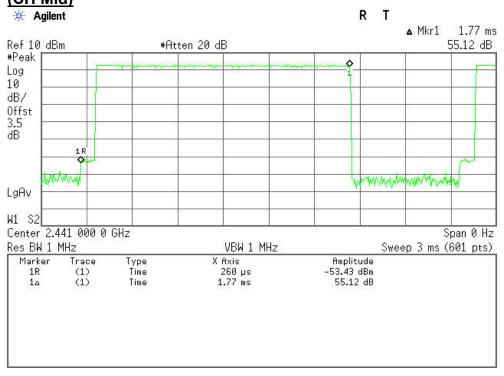
Test Plot 8DPSK

<u>DH 1</u>

(CH Mid)

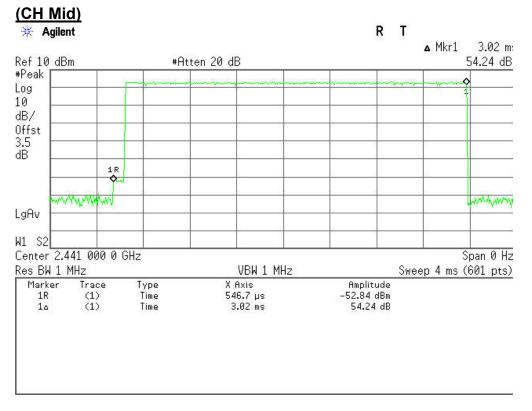


<u>DH 3</u> (CH Mid)



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6.8. SPURIOUS EMISSIONS

6.8.1. Conducted Measurement

LIMIT

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. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

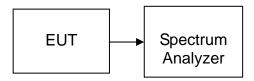
Report No: SZ120625B01-RP

MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	E4446A	US44300399	03/19/2012	03/19/2013

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

Test Configuration



TEST PROCEDURE

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

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

Measurements are made over the 30MHz to 26GHz range with the transmitter set to the lowest, middle, and highest channels.

TEST RESULTS

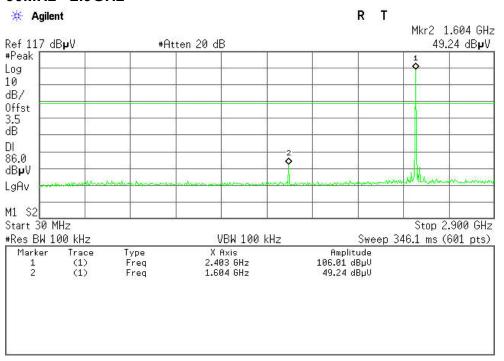
No non-compliance noted

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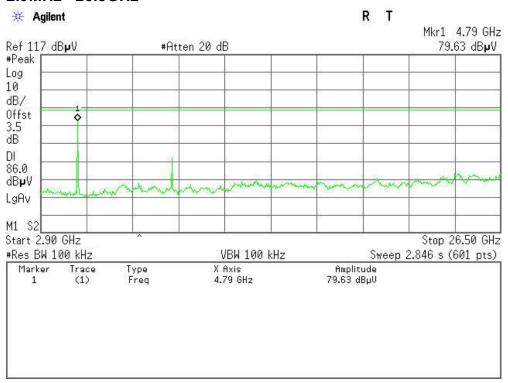
Test Plot (GFSK)

CH Low

30MHz ~2.9GHz



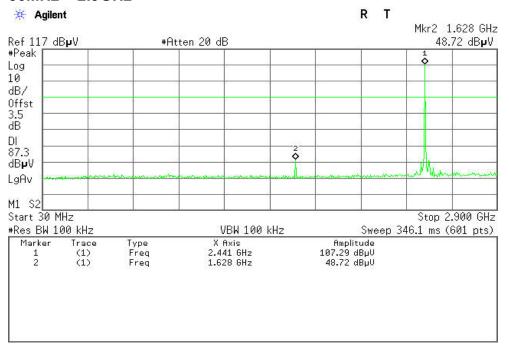
2.9MHz ~26.5GHz



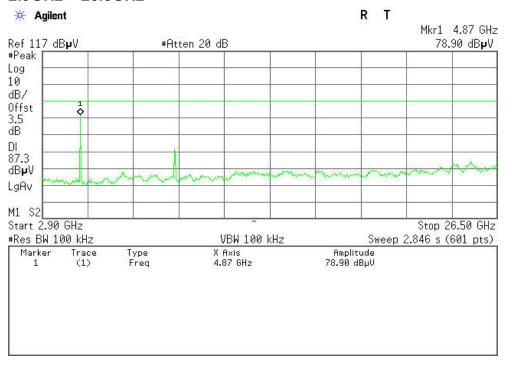
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CH Mid

30MHz ~ 2.9GHz



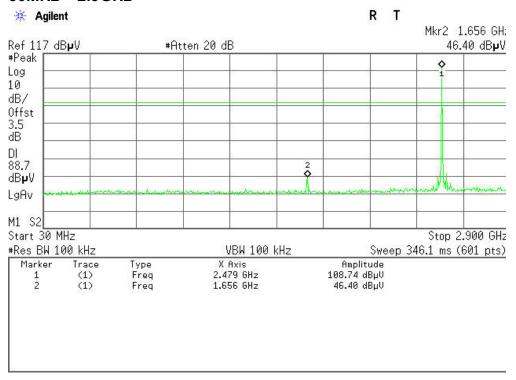
2.9GHz ~ 26.5GHz



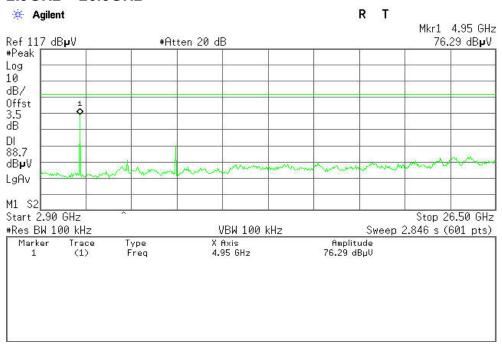
FCC ID: WI212K834 Page 42 of 59

CH High

30MHz ~ 2.9GHz



2.9GHz ~ 26.5GHz

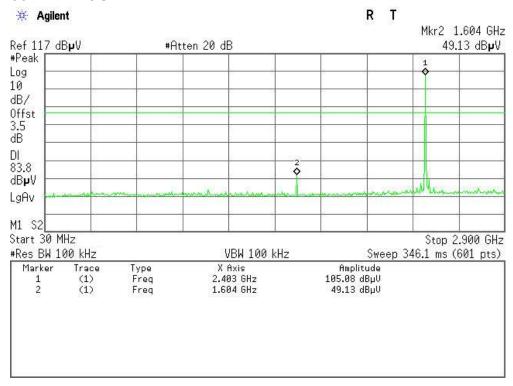


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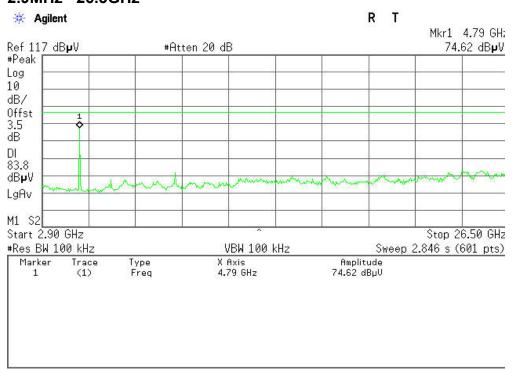
Test Plot (8DPSK)

CH Low

30MHz ~2.9GHz



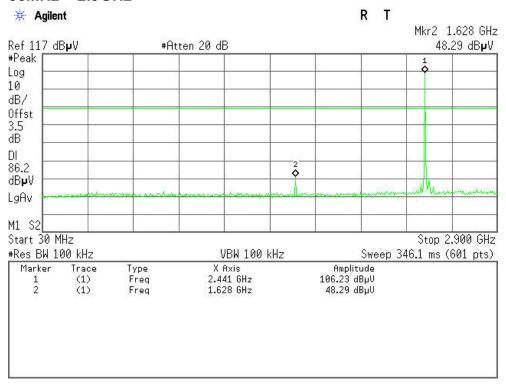
2.9MHz ~26.5GHz



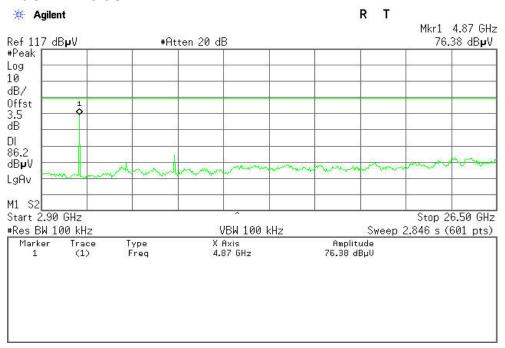
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CH Mid

30MHz ~ 2.9GHz



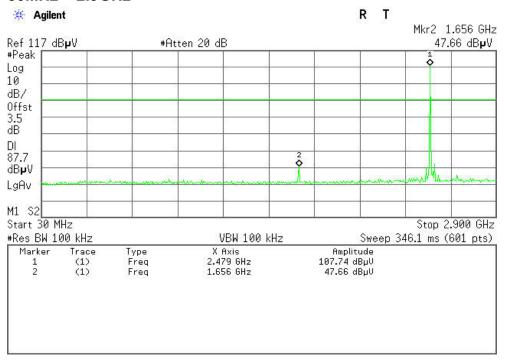
2.9GHz ~ 26.5GHz



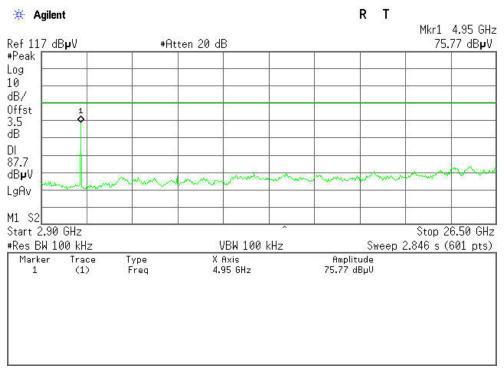
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CH High

30MHz ~ 2.9GHz



2.9GHz ~ 26.5GHz



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6.8.2. Radiated Emissions

LIMIT

1. 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 (mV/m)	Measurement Distance (m)
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

Report No: SZ120625B01-RP

Note: 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.

2. In the above emission table, the tighter limit applies at the band edges.

Frequency (Hz)	Field Strength (µV/m at 3-meter)	Field Strength (dBµV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

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MEASUREMENT EQUIPMENT USED

	Radiated Emission Test Site 966(2)							
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration			
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	03/19/2012	03/19/2013			
ESCI EMI TEST RECEIVE.ESCI	ROHDE&SCHWARZ	ESCI	100783	03/17/2012	03/17/2013			
Amplifier	MITEQ	AM-1604-3000	1123808	03/18/2012	03/18/2013			
Turn Table	EMCO	2081-1.21	N/A	N.C.R	N.C.R			
Controller	СТ	N/A	N/A	N.C.R	N.C.R			
High Noise Amplifier	Agilent	8449B	3008A01838	03/18/2012	03/18/2013			
Bilog Antenna	SCHAFFNER	CBL6143	5082	03/17/2012	03/17/2013			
Horn Antenna	SCHWARZBECK	BBHA9120	D286	03/17/2012	03/17/2013			
Loop Antenna	A、R、A	PLA-1030/B	1029	03/23/2012	03/23/2013			
Temp. / Humidity Meter	VICTOR	VC230	N/A	03/19/2012	03/19/2013			
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R			
Test S/W	FARAD		LZ-RF / CCS-S	SZ-3A2				

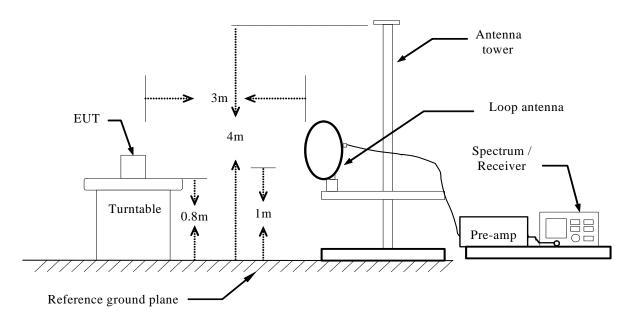
Report No: SZ120625B01-RP

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

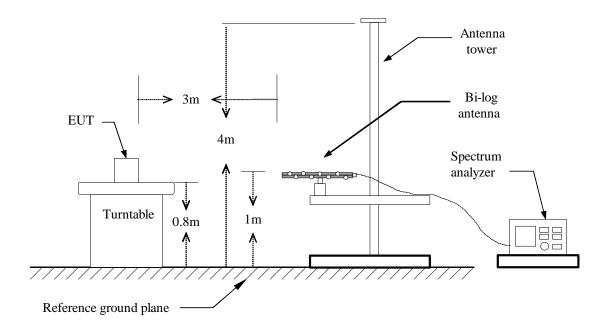
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Test Configuration

Below 30MHz

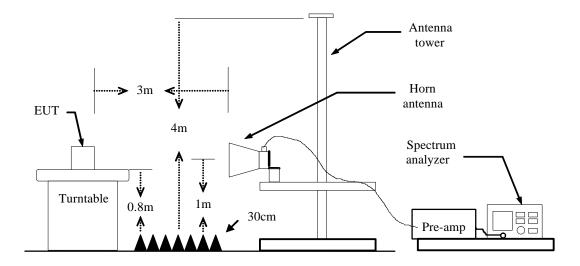


Below 1 GHz



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Above 1 GHz



TEST PROCEDURE

- 1. The EUT is placed on a turntable, which is 0.8m above ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Repeat above procedures until the measurements for all frequencies are complete.

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TEST RESULTS

Below 1 GHz

Operation Mode: TX Test Date: July 10, 2012

Report No: SZ120625B01-RP

Temperature: 24°C Tested by: Leevin Li

Humidity: 52% RH Polarity: Ver. / Hor.

Frequency (MHz)	Reading (dBµV)	Correction Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
50.3700	53.72	-17.41	36.31	40.00	-3.69	V	QP
161.9200	53.32	-16.25	37.07	43.50	-6.43	V	QP
224.0000	51.64	-12.66	38.98	46.00	-7.02	V	QP
256.0100	53.98	-11.46	42.52	46.00	-3.48	V	QP
375.3200	51.50	-8.05	43.45	46.00	-2.55	V	QP
544.1000	33.56	-4.32	29.24	46.00	-16.76	V	QP
159.9800	57.10	-16.44	40.66	43.50	-2.84	Н	QP
213.3300	50.30	-13.30	37.00	43.50	-6.50	Н	QP
224.0000	53.96	-12.66	41.30	46.00	-4.70	Н	QP
256.0100	55.96	-11.46	44.50	46.00	-1.50	Н	QP
288.0200	49.85	-10.95	38.90	46.00	-7.10	Н	QP
352.0400	50.39	-8.69	41.70	46.00	-4.30	Н	QP

^{**}Remark: No emission found between lowest internal used/generated frequency to 30MHz. Notes:

- 1. Measuring frequencies from 9kHz to the 1GHz.
- 2. Radiated emissions measured in frequency range from 30MHz to 1GHz were made with an instrument using Quasi-peak detector mode.
- 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. The IF bandwidth of SPA between 30MHz to 1GHz was 100kHz.

5. Frequency (MHz). = Emission frequency in MHz

Reading (dBuV) = Receiver reading

Correction Factor(dB/m) = Antenna factor + Cable loss – Amplifier gain Actual FS (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)

Limit (dBuV/m) = Limit stated in standard

Margin(dB) = Measured (dBuV/m) - Limits (dBuV/m)

Antenna Pole(V/H) = Current carrying line of reading

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Above 1 GHz GFSK

Operation Mode: TX(CH Low) Test Date: July 10, 2012

Report No: SZ120625B01-RP

Temperature:24°CTested by:Leevin LiHumidity:52% RHPolarity:Ver. / Hor.

Frequency (MHz)	Reading (dBµV)	Correction Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1300.0000	52.49	-7.66	44.83	74.00	-29.17	V	peak
1600.0000	56.71	-8.02	48.69	74.00	-25.31	V	peak
1990.0000	56.70	-8.50	48.20	74.00	-25.80	V	peak
3325.0000	48.72	-2.95	45.77	74.00	-28.23	V	peak
4810.0000	54.44	1.83	56.27	74.00	-17.73	V	peak
4810.0000	37.59	1.83	39.42	54.00	-14.58	V	AVG
5875.0000	44.91	4.39	49.30	74.00	-24.70	V	peak
1600.0000	57.01	-8.02	48.99	74.00	-25.01	Н	peak
3265.0000	46.58	-2.97	43.61	74.00	-30.39	Н	peak
3880.0000	46.75	-1.26	45.49	74.00	-28.51	Н	peak
4810.0000	58.93	1.83	60.76	74.00	-13.24	Н	peak
4810.0000	41.24	1.83	43.07	54.00	-10.93	Н	AVG
5740.0000	44.62	4.01	48.63	74.00	-25.37	Н	peak
8560.0000	47.19	10.97	58.16	74.00	-15.84	Н	peak
8560.0000	33.32	10.97	44.29	54.00	-9.71	Н	AVG

Notes:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser 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.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:
 - a. Peak Setting 1GHz 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms. b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.
- 5. Frequency (MHz) = Emission frequency in MHz

Reading $(dB\mu V/m)$ = Uncorrected Analyzer / Receiver Reading Correction Factor (dB) = Antenna factor + Cable loss – Amplifier gain

 $Limit (dB\mu V/m) = Limit stated in standard$

Margin (dB) = Result (dB μ V/m)- Limit (dB μ V/m)

Pk = Peak Reading
AV. = Average Reading

Remark = Mark Peak Reading or Average Reading



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Operation Mode: TX(CH Mid) Test Date: July 10, 2012

Report No: SZ120625B01-RP

Temperature:24°CTested by:Leevin LiHumidity:52% RHPolarity:Ver. / Hor.

Frequency (MHz)	Reading (dBµV)	Correction Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1630.0000	57.31	-8.14	49.17	74.00	-24.83	V	peak
3505.0000	46.20	-2.33	43.87	74.00	-30.13	V	peak
4255.0000	46.00	-0.14	45.86	74.00	-28.14	V	peak
4885.0000	59.12	2.16	61.28	74.00	-12.72	V	peak
4885.0000	40.63	2.16	42.79	54.00	-11.21	V	AVG
5755.0000	45.14	4.06	49.20	74.00	-24.80	V	peak
6010.0000	45.33	4.75	50.08	74.00	-23.92	V	peak
1630.0000	60.41	-8.14	52.27	74.00	-21.73	Н	peak
3310.0000	47.26	-2.95	44.31	74.00	-29.69	Н	peak
4000.0000	46.52	-0.91	45.61	74.00	-28.39	Н	peak
4885.0000	56.45	2.16	58.61	74.00	-15.39	Н	peak
4885.0000	38.43	2.16	40.59	54.00	-13.41	Н	AVG
5755.0000	45.25	4.06	49.31	74.00	-24.69	Н	peak
7570.0000	46.25	10.17	56.42	74.00	-17.58	Н	peak
7570.0000	32.72	10.17	42.89	54.00	-11.11	Н	AVG

Notes:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser 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.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:
 - a. Peak Setting 1GHz 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
 - b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.
- 5. Frequency (MHz) = Emission frequency in MHz

Reading $(dB\mu V/m)$ = Uncorrected Analyzer / Receiver Reading Correction Factor (dB) = Antenna factor + Cable loss – Amplifier gain

 $Limit (dB\mu V/m) = Limit stated in standard$

Margin (dB) = Result (dB μ V/m)- Limit (dB μ V/m)

Pk = Peak Reading
AV. = Average Reading

Remark = Mark Peak Reading or Average Reading

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Operation Mode: TX(CH High) Test Date: July 10, 2012

Report No: SZ120625B01-RP

Temperature:24 °CTested by:Leevin LiHumidity:52% RHPolarity:Ver. / Hor.

Frequency (MHz)	Reading (dBµV)	Correction Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1660.0000	55.13	-8.26	46.87	74.00	-27.13	V	peak
1990.0000	56.65	-8.50	48.15	74.00	-25.85	V	peak
3325.0000	48.05	-2.95	45.10	74.00	-28.90	V	peak
4960.0000	56.98	2.49	59.47	74.00	-14.53	V	peak
4960.0000	39.89	2.49	42.38	54.00	-11.62	V	AVG
5755.0000	45.32	4.06	49.38	74.00	-24.62	V	peak
6265.0000	45.47	5.69	51.16	74.00	-22.84	V	peak
1660.0000	58.73	-8.26	50.47	74.00	-23.53	Н	peak
2005.0000	50.82	-8.45	42.37	74.00	-31.63	Н	peak
3490.0000	46.49	-2.41	44.08	74.00	-29.92	Н	peak
4015.0000	46.11	-0.87	45.24	74.00	-28.76	Н	peak
4960.0000	55.02	2.49	57.51	74.00	-16.49	Н	peak
4960.0000	37.06	2.49	39.55	54.00	-14.45	Н	AVG
6115.0000	44.69	5.14	49.83	74.00	-24.17	Н	peak

Notes:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser 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.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:
 - a. Peak Setting 1GHz 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
 - b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.
- 5. Frequency (MHz) = Emission frequency in MHz

Reading $(dB\mu V/m)$ = Uncorrected Analyzer / Receiver Reading Correction Factor (dB) = Antenna factor + Cable loss – Amplifier gain

 $Limit (dB\mu V/m) = Limit stated in standard$

Margin (dB) = Result (dB μ V/m)- Limit (dB μ V/m)

Pk = Peak Reading
AV. = Average Reading

Remark = Mark Peak Reading or Average Reading

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8DPSK

Operation Mode: TX(CH Low) Test Date: July 10, 2012

Report No: SZ120625B01-RP

Temperature: 24°C **Tested by:** Leevin Li **Humidity:** 52% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBµV)	Correction Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1600.0000	54.79	-8.02	46.77	74.00	-27.23	V	peak
1990.0000	56.44	-8.50	47.94	74.00	-26.06	V	peak
3190.0000	48.13	-3.00	45.13	74.00	-28.87	V	peak
3505.0000	47.11	-2.33	44.78	74.00	-29.22	V	peak
4810.0000	48.52	1.83	50.35	74.00	-23.65	V	peak
6100.0000	45.20	5.08	50.28	74.00	-23.72	V	peak
1105.0000	51.19	-8.98	42.21	74.00	-31.79	Н	peak
1600.0000	54.50	-8.02	46.48	74.00	-27.52	Н	peak
3730.0000	47.10	-1.59	45.51	74.00	-28.49	Н	peak
4315.0000	45.49	0.17	45.66	74.00	-28.34	Н	peak
4810.0000	49.66	1.83	51.49	74.00	-22.51	Н	peak
6280.0000	44.48	5.75	50.23	74.00	-23.77	Н	peak

Notes:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser 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.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:
 - a. Peak Setting 1GHz 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
 - b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.
- 5. Frequency (MHz) = Emission frequency in MHz

Reading $(dB\mu V/m)$ = Uncorrected Analyzer / Receiver Reading Correction Factor (dB) = Antenna factor + Cable loss – Amplifier gain

Limit ($dB\mu V/m$) = Limit stated in standard

Margin (dB) = Result (dB μ V/m)- Limit (dB μ V/m) ss

Pk = Peak Reading
AV. = Average Reading

Remark = Mark Peak Reading or Average Reading

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Operation Mode: TX(CH Mid) **Test Date:** July 10, 2012

24°C Tested by: Leevin Li Temperature: **Humidity:** 52% RH Polarity: Ver. / Hor.

Frequency (MHz)	Reading (dBµV)	Correction Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1495.0000	53.30	-7.57	45.73	74.00	-28.27	V	peak
1630.0000	55.07	-8.14	46.93	74.00	-27.07	V	peak
1990.0000	56.17	-8.50	47.67	74.00	-26.33	V	peak
3730.0000	46.40	-1.59	44.81	74.00	-29.19	V	peak
4885.0000	52.52	2.16	54.68	74.00	-19.32	V	peak
4885.0000	35.93	2.16	38.09	54.00	-15.91	V	AVG
6175.0000	44.43	5.36	49.79	74.00	-24.21	V	peak
1630.0000	57.59	-8.14	49.45	74.00	-24.55	Н	peak
3295.0000	46.63	-2.96	43.67	74.00	-30.33	Н	peak
4315.0000	45.10	0.17	45.27	74.00	-28.73	Н	peak
4885.0000	51.12	2.16	53.28	74.00	-20.72	Н	peak
4885.0000	36.94	2.16	39.10	54.00	-14.90	Н	AVG
5635.0000	44.92	3.68	48.60	74.00	-25.40	Н	peak
6265.0000	45.13	5.69	50.82	74.00	-23.18	Н	peak

Notes:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser 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.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:
 - a. Peak Setting 1GHz 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
 - b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.
- 5. Frequency (MHz) = Emission frequency in MHz

Reading (dBµV/m) =Uncorrected Analyzer / Receiver Reading Correction Factor (dB) = Antenna factor + Cable loss – Amplifier gain

= Limit stated in standard Limit (dBµV/m)

Margin (dB) = Result ($dB\mu V/m$)- Limit ($dB\mu V/m$)

Pk = Peak Reading AV. = Average Reading

Remark = Mark Peak Reading or Average Reading

FCC ID: WI212K834 Page 56 of 59 Operation Mode: TX(CH High) Test Date: July 10, 2012

Report No: SZ120625B01-RP

Temperature:24 °CTested by:Leevin LiHumidity:52% RHPolarity:Ver. / Hor.

Frequency (MHz)	Reading (dBµV)	Correction Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1660.0000	55.14	-8.26	46.88	74.00	-27.12	V	peak
1990.0000	56.86	-8.50	48.36	74.00	-25.64	V	peak
3130.0000	47.82	-3.08	44.74	74.00	-29.26	V	peak
4135.0000	46.88	-0.58	46.30	74.00	-27.70	V	peak
4960.0000	51.90	2.49	54.39	74.00	-19.61	V	peak
4960.0000	35.09	2.49	37.58	54.00	-16.42	V	AVG
6145.0000	45.01	5.25	50.26	74.00	-23.74	V	peak
		T-					
1660.0000	58.75	-8.26	50.49	74.00	-23.51	Н	peak
1990.0000	51.59	-8.50	43.09	74.00	-30.91	Н	peak
2815.0000	48.62	-4.00	44.62	74.00	-29.38	Н	peak
4390.0000	44.55	0.55	45.10	74.00	-28.90	Н	peak
4960.0000	48.58	2.49	51.07	74.00	-22.93	Н	peak
5740.0000	45.47	4.01	49.48	74.00	-24.52	Н	peak

Notes:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser 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.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:
 - a. Peak Setting 1GHz 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
 - b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.
- 5. Frequency (MHz) = Emission frequency in MHz

Reading $(dB\mu V/m)$ = Uncorrected Analyzer / Receiver Reading Correction Factor (dB) = Antenna factor + Cable loss – Amplifier gain

 $Limit (dB\mu V/m) = Limit stated in standard$

Margin (dB) = Result (dB μ V/m)- Limit (dB μ V/m)

Pk = Peak Reading
AV. = Average Reading

Remark = Mark Peak Reading or Average Reading

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6.9. POWERLINE CONDUCTED EMISSIONS

LIMIT

For an intentional radiator which 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 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Report No: SZ120625B01-RP

Eroguanov Bango (MUz)	Limits (dBµV)				
Frequency Range (MHz)	Quasi-peak	Average			
0.15 to 0.50	66 to 56	56 to 46			
0.50 to 5	56	46			
5 to 30	60	50			

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

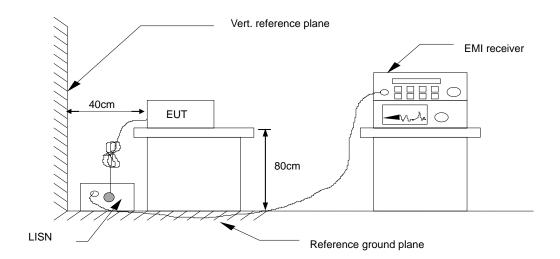
MEASUREMENT EQUIPMENT USED

Conducted Emission Test Site					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
ESCI EMI TEST RECEIVE.ESCI	ROHDE&SCHWARZ	ESCI	100783	03/17/2012	03/17/2013
LISN(EUT)	SCHAFFNER	NNB42	2001/001	03/19/2012	03/19/2013
LISN	EMCO	3825/2	8901-1459	03/19/2012	03/19/2013
Temp. / Humidity Meter	VICTOR	HTC-1	2	03/20/2012	03/20/2013
Test S/W	FARAD	EZ-EMC/ CCS-3A1-CE			

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

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Test Configuration



Report No: SZ120625B01-RP

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

TEST PROCEDURE

- 1. The EUT was placed on a table, which is 0.8m above ground plane.
- 2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 3. Repeat above procedures until all frequency measured were complete.

TEST RESULTS

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

Test Data

Not applicable, since EUT supplied by the DC power.

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