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FORMAL REPORT ON TESTING IN ACCORDANCE WITH

FCC Parts 15B & C: 2006

OF A

BLUETOOTH STEREO RECEIVER

[Model : WiMe Kurve] [FCC ID : VCFK0001]

TEST FACILITY TÜV SÜD PSB Pte Ltd,

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FCC REG. NO. 90937 (3m & 10m OATS)

99142 (10m Anechoic Chamber) 871638 (5m Anechoic Chamber) 325572 (10m Anechoic Chamber)

IND. CANADA REG. NO. IC 4257 (3m and 10m Anechoic Chambers)

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JOB NUMBER 53S071312 & 53S071313

TEST PERIOD 08 May 2007 – 16 May 2007

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The results reported herein have been performed in accordance with the laboratorys terms of accreditation under the Singapore Accreditation Council - Singapore Laboratory Accreditation Scheme. Tests/Calibrations marked "Not SAC-SINGLAS Accredited" in this Report are not included in the SAC-SINGLAS Accreditation Schedule for our laboratory.



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TEST SUMMARY

The product was tested in accordance with the customer's specifications.

Test Results Summary

Test Standard	Description	Pass / Fail				
FCC Part 15: 2006	FCC Part 15: 2006					
15.107(a), 15.207	Conducted Emissions	Pass				
15.109(a), 15.205, 15.209	Radiated Emissions (Spurious Emissions inclusive Restricted Bands Requirement)	Pass				
15.247(a)(1)	Carrier Frequency Separation	Pass				
	Spectrum Bandwidth (20dB Bandwidth Measurement)	Pass				
15.247(a)(1)(iii)	Number of Hopping Frequencies	Pass				
	Average Frequency Dwell Time	Pass				
15.247(b)(1)	Maximum Peak Power	Pass				
15.247(d)	RF Conducted Spurious Emissions	Pass				
15.247(d)	Band Edge Compliance (Conducted)	Pass				
15.247(d)	Band Edge Compliance (Radiated)	Pass				
15.247(e)	Peak Power Spectral Density	Pass				
1.1310	Maximum Permissible Exposure	See page 61				



TEST SUMMARY

Notes

1. Three channels as listed below, which respectively represent the lower, middle and upper channels of the Equipment Under Test (EUT) were chosen and tested. For each channel, the EUT was configured to operate in the test mode.

Transmit Channel	Frequency (GHz)
Channel 0	2.402
Channel 39	2.441
Channel 78	2.480

- 2. All the measurements in section 15.247 were done based on conducted measurements.
- 3. The EUT is a Class B device when in non-transmitting state and meets the FCC Part15B Class B requirements.
- 4. All test measurement procedures are according to ANSI C63.4: 2003.

Modifications

1. No modifications were made.



PRODUCT DESCRIPTION

Description : The Equipment Under Test (EUT) is a **BLUETOOTH STEREO**

RECEIVER.

Manufacturer : WiMe Pte Ltd

67 Ayer Rajah Crescent #03-20

Singapore 139950

Model Number : WiMe Kurve

FCC ID : VCFK0001

Serial Number : Nil

Microprocessor : CSR BlueCore 03 Multimedia External, BC352239A

Operating / Transmitting

Frequency

2.402GHz (lower channel) to 2.480GHz (upper channel)

79 channels in total.

Clock / Oscillator Frequency : Gaussian Frequency Shift Keying (GFSK)

Modulation : Refer to manufacturer's user manual / operating manual.

Port / Connectors : Audio Out, Headphone, 9Vdc IN & FWU

Rated Input Power : 110V 60Hz

Accessories : I.T.E Power Supply Model – HK-J205-A09

Input 100V-240V, 60Hz/50Hz, 0.2A

Output 9Vdc, 550mA



SUPPORTING EQUIPMENT DESCRIPTION

Equipment Description	Model, Serial & FCC ID Number	Cable Description
(Including Brand Name)		(List Length, Type & Purpose)
Multi-Media Amplified Speaker System	M/N: YZ ₂₀₀ S/N: Nil FCC ID: Nil	1.20m unshielded 2-pin power cable 2.00m stereo cable

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EUT OPERATING CONDITIONS

FCC Part 15

- 1. Conducted Emissions
- 2. Radiated Emissions (Spurious Emissions inclusive Restricted Bands Requirement)
- 3. Spectrum Bandwidth (20dB Bandwidth Measurement)
- 4. Maximum Peak Power
- 5. RF Conducted Spurious Emissions
- 6. Peak Power Spectral Density
- 7. Maximum Permissible Exposure

The EUT was exercised by operating in maximum continuous transmission with frequency hopping off, i.e transmitting at lower, middle and upper channels respectively at one time.

FCC Part 15

- 1. Carrier Frequency Separation
- 2. Number of Hopping Frequencies
- 3. Average Frequency Dwell Time
- 4. Band Edge Compliance (Conducted)
- 5. Band Edge Compliance (Radiated)

The EUT was exercised by operating in maximum continuous transmission with frequency hopping on.

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CONDUCTED EMISSION TEST

FCC Parts 15.107(a) and 15.207 Conducted Emission Limits

Frequency Range	Limit Valu	ıes (dΒμV)			
(MHz)	Quasi-peak (QP)	Average (AV)			
0.15 - 0.5	66 – 56 *	56 – 46 *			
0.5 - 5.0	56	46			
5.0 - 30.0	60	50			
* Decreasing linearly with the logarithm of the frequency					

FCC Parts 15.107(a) and 15.207 Conducted Emission Test Instrumentation

Instrument	Model	S/No	Cal Due Date
R&S Test Receiver – ESI1	ESI40	100010	04 Aug 2007
R&S Pulse Limiter – PL2	ESH3-Z2	100347	13 Apr 2008
EMCO LISN - LISN3	3850/2	9903-1075	15 May 2007
Schaffner LISN – LISN7	NNB42	80000	15 May 2007

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CONDUCTED EMISSION TEST

FCC Parts 15.107(a) and 15.207 Conducted Emission Test Setup

- 1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table.
- 2. The power supply for the EUT was fed through a $50\Omega/50\mu H$ EUT LISN, connected to filtered mains.
- The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.
- 4. All other supporting equipment were powered separately from another LISN.

FCC Parts 15.107(a) and 15.207 Conducted Emission Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition.
- A scan was made on the NEUTRAL line over the required frequency range using an EMI test receiver.
- 3. High peaks, relative to the limit line, were then selected.
- 4. The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10kHz. Both Quasi-peak and Average measurements were made.
- 5. Steps 2 to 4 were then repeated for the LIVE line.

Sample Calculation Example

At 20 MHz

Q-P limit (Class B) = 1000 μ V = 60.0 dB μ V

Transducer factor of LISN, pulse limiter & cable loss at 20 MHz = 11.2 dB

Q-P reading obtained directly from EMI Receiver = $40.0 \text{ dB}\mu\text{V}$ (Calibrated for system losses)

Therefore, Q-P margin = 40.0 - 60.0 = -20.0

i.e. 20.0 dB below Q-P limit

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CONDUCTED EMISSION TEST



Conducted Emissions Test Setup (Front View)



Conducted Emissions Test Setup (Rear View)



CONDUCTED EMISSION TEST

FCC Parts 15.107(a) and 15.207 Conducted Emission Results

Test Input Power	110V 60Hz	Temperature	22°C
Line Under Test	AC Mains	Relative Humidity	58%
Class	В	Atmospheric Pressure	1030mbar
		Tested By	Kenneth Ler

Frequency (MHz)	Q-P Value (dBμV)	Q-P Margin (dB)	AV Value (dBμV)	AV Margin (dB)	Line
0.2136	48.1	-15.0	41.9	-11.2	Live
4.1357	41.1	-14.9	18.3	-27.7	Neutral
12.9211	48.2	-11.8	26.7	-23.3	Neutral
13.1754	49.7	-10.3	30.0	-20.0	Live
13.5578	52.7	-7.3	37.3	-12.7	Live
13.8672	51.2	-8.8	30.5	-19.5	Neutral

Notes

- 1. All possible modes of operation were investigated from 150kHz to 30MHz. Only the worst case emissions measured, using the correct CISPR detectors, are reported. All other emissions were relatively insignificant.
- 2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
- 3. EMI receiver Resolution Bandwidth (RBW) and Video Bandwidth (VBW) settings: 9kHz - 30MHz

RBW: 10kHz VBW: 30kHz

4. Conducted Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95%, with a coverage factor of 2, in the range 9kHz - 30MHz (Average & Quasi-peak) is ±3.0dB.

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RADIATED EMISSION TEST

FCC Part 15.205 Restricted Bands

N	ЛΗΖ		ı	ИΗ	Z		МН	Z	GH:	Z
0.090	-	0.110	16.42	-	16.423	399.9	-	410	4.5 -	5.15
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	2690	-	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	-	3358	36.43 -	36.5
12.57675	-	12.57725	322	-	335.4	3600	-	4400	Above :	38.6
13.36	-	13.41								

FCC Parts 15.109(a) and 15.209 Radiated Emission Limits

Frequency Range (MHz)	Quasi-Peak Limit Values (dBµV/m) @ 3m		
30 - 88	40.0		
88 - 216	43.5		
216 - 960	46.0		
Above 960	54.0*		
* Above 1GHz, average detector was used. A peak limit of 20dB above the average limit does apply.			

FCC Parts 15.109(a) and 15.209 Radiated Emission Test Instrumentation

Tested on 10 May 2007			
Instrument	Model	S/No	Cal Due Date
R&S Test Receiver (20Hz-26.5GHz) –	ESMI	829214/005	24 Nov 2007
ESMI3		829550/004	
Schaffner Preamplifier (9kHz-2GHz) – PA19	CPA9231A	18763	12 Jan 2008
Schaffner Bilog Antenna –BL4	CBL6112B	2593	12 May 2007

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RADIATED EMISSION TEST

FCC Parts 15.109(a) and 15.209 Radiated Emission Test Setup

- 1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m X 1.0m X 0.8m high, non-metallic table.
- 2. The filtered power supply for the EUT and supporting equipment were tapped from the appropriate power sockets located on the turntable.
- The relevant broadband antenna was set at the required test distance away from the EUT and supporting equipment boundary.

FCC Parts 15.109(a) and 15.209 Radiated Emission Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition.
- 2. A prescan was carried out to pick the worst emission frequencies from the EUT. For EUT which is a portable device, the prescan was carried out by rotating the EUT through three orthogonal axes to determine which attitude and equipment arrangement produces such emissions.
- 3. The test was carried out at the selected frequency points obtained from the prescan in step 2. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner:
 - a. Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen.
 - b. The EUT was then rotated to the direction that gave the maximum emission.
 - c. Finally, the antenna height was adjusted to the height that gave the maximum emission.

 A Quasi-peak measurement was made for that frequency point if it was less than or equal to
- A Quasi-peak measurement was made for that frequency point if it was less than or equal to 1GHz. For frequency point that above 1GHz, both Peak and Average measurements were carried out.
- 5. Steps 3 and 4 were repeated for the next frequency point, until all selected frequency points were measured.
- 6. The frequency range covered was from 30MHz to 10th harmonics of the EUT fundamental frequency, using the Bi-log antenna for frequencies from 30MHz up to 3GHz, and the Horn antenna above 3GHz.

Sample Calculation Example

At 300 MHz

Q-P limit (Class B) = $200 \mu V/m = 46.0 dB\mu V/m$

Log-periodic antenna factor & cable loss at 300 MHz = 18.5 dB

Q-P reading obtained directly from EMI Receiver = 40.0 dBµV/m

(Calibrated level including antenna factors & cable losses)

Therefore, Q-P margin = 40.0 - 46.0 = -6.0

i.e. 6 dB below Q-P limit

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Bluetooth Stereo Receiver [Model : WiMe Kurve] [FCC ID : VCFK0001]



RADIATED EMISSION TEST



Radiated Emissions Test Setup (Front View)



Radiated Emissions Test Setup (Rear View)



RADIATED EMISSION TEST

FCC Parts 15.109(a), 15.205 and 15.209 Radiated Emission Results

Test Input Power	110V 60Hz	Temperature	24°C
Test Distance	3m	Relative Humidity	57%
Class	В	Atmospheric Pressure	1030mbar
		Tested By	Lucas Beh

Spurious Emissions ranging from 30MHz – 1GHz

Frequency (MHz)	Q-P Value (dBμV/m)	Q-P Margin (dB)	Azimuth (Degrees)	Height (cm)	Polarisation (H/V)	Channel
84.6000	38.4	-1.6	259	100	V	0
227.9401	45.7	-0.3	89	137	Н	0
233.9601	44.8	-1.2	87	100	Н	0
245.9601	44.8	-1.2	70	134	Н	0
257.9801	44.7	-1.3	74	100	Н	0
269.9600	44.8	-1.2	73	100	Н	0

Spurious Emissions above 1GHz

Frequency (GHz)	Peak Value (dBμV/m)	Average Value (dBμV/m)	Average Margin (dB)	Azimuth (Degrees)	Height (cm)	Pol (H/V)	Channel
-		-				I	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

<u>Notes</u>

- All possible modes of operation were investigated. Only the worst case emissions measured, using the correct CISPR detectors, are reported. All other emissions were relatively insignificant.
- 2. "--" indicates no emissions were found and shows compliance to the limits.
- 3. Quasi-peak measurement was used for frequency measurement up to 1GHz. Average and peak measurements were used for emissions above 1GHz. The average measurement was done by averaging over a complete cycle of the pulse train, including the blanking interval as the pulse train duration does not exceed 0.1 second.
- 4. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
- 5. EMI receiver Resolution Bandwidth (RBW) and Video Bandwidth (VBW) settings:

30MHz - 1GHz

RBW: 120kHz VBW: 1MHz >1GHz VBW: 1MHz VBW: 1MHz



RADIATED EMISSION TEST

- 6. The upper frequency of radiated emission investigations was according to requirements stated in Section 15.33(a) for intentional radiators & Section 15.33(b) for unintentional radiators.
- 7 The channel in the table refers to the transmit channel of the EUT.
- 8. Radiated Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95%, with a coverage factor of 2, in the range 30MHz - 25GHz (QP only @ 3m & 10m) is $\pm 4.6dB$ (for EUTs < $0.5m \times 0.5m \times 0.5m$).



CARRIER FREQUENCY SEPARATION TEST

FCC Part 15.247(a)(1) Carrier Frequency Separation Limits

The EUT shows compliance to the requirements of this section, which states the adjacent carrier frequencies must be separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater. Alternatively, the EUT may have hopping channel carrier frequencies that are separated by 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125mW (21dBm).

FCC Part 15.247(a)(1) Carrier Frequency Separation Test Instrumentation

Instrument	Model	S/No	Cal Due Date
HP Spectrum Analyzer	E7405	US40240195	18 Jan 2008

FCC Part 15.247(a)(1) Carrier Frequency Separation Test Setup

- The EUT and supporting equipment were set up as shown in the setup photo.
- 2. The power supply for the EUT was connected to a filtered mains.
- 3. The RF antenna connector was connected to the spectrum analyser via a low-loss coaxial cable.
- 4. The resolution bandwidth (RBW) and the video bandwidth (VBW) of the spectrum analyser were respectively set to 100kHz and 100kHz.
- 5. All other supporting equipment were powered separately from another filtered mains.

FCC Part 15.247(a)(1) Carrier Frequency Separation Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode with frequency hopping sequence on.
- 2. The start and stop frequencies of the spectrum analyser were set to 2.400GHz and 2.404GHz.
- The spectrum analyser was set to max hold to capture the two adjacent transmitting frequencies 3. within the span. The signal capturing was continuous until no further signals were detected.
- 4. The carrier frequency separation of the two adjacent transmitting / operating frequency was measured by finding the carrier frequency difference between the two adjacent channels.
- 5. The steps 2 to 4 were repeated with the following start and stop frequencies settings:
 - a. 2.439GHz to 2.442GHz
 - b. 2.478GHz to 2.481GHz

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Bluetooth Stereo Receiver [Model : WiMe Kurve] [FCC ID : VCFK0001]



CARRIER FREQUENCY SEPARATION TEST



Carrier Frequency Separation Test Setup



CARRIER FREQUENCY SEPARATION TEST

FCC Part 15.247(a)(1) Carrier Frequency Separation Results

Test Input Power	110V 60Hz (AC/DC Power Adapter)	Temperature	23°C
Attached Plots	1 - 3	Relative Humidity	55%
		Atmospheric Pressure	1030mbar
		Tested By	Thor Wen Lei

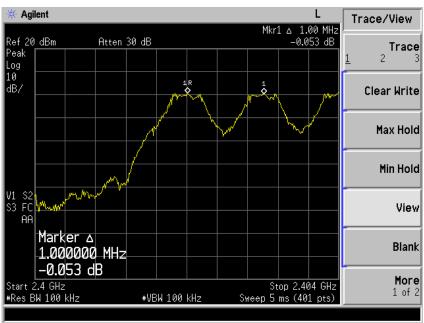
Adjacent Channels	Channel Separation (MHz)
0 and 1 (2.402GHz and 2.403GHz)	1.000
38 and 39 (2.440GHz and 2.441GHz)	1.005
77 and 78 (2.479GHz and 2.480GHz)	1.005

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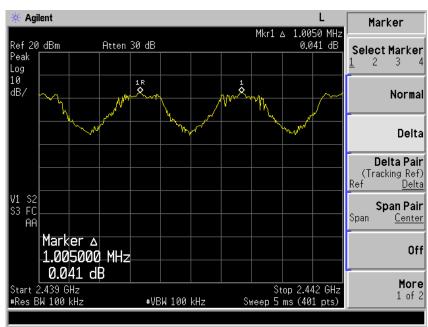


CARRIER FREQUENCY SEPARATION TEST

Carrier Frequency Separation Plots



Plot 1 - Channels 0 and 1 Separation

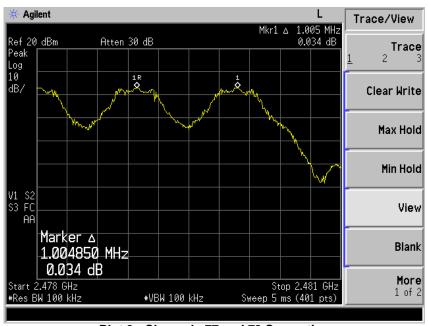


Plot 2 - Channels 38 and 39 Separation



CARRIER FREQUENCY SEPARATION TEST

Carrier Frequency Separation Plots



Plot 3 - Channels 77 and 78 Separation



SPECTRUM BANDWIDTH (20dB BANDWIDTH MEASUREMENT) TEST

FCC Part 15.247(a)(1) Spectrum Bandwidth (20dB Bandwidth Measurement) Limits

The EUT shows compliance to the requirements of this section, which states that the 20dB bandwidth of the hopping channel shall be the channel frequency separation by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater.

FCC Part 15.247(a)(1) Spectrum Bandwidth (20dB Bandwidth Measurement) Test Instrumentation

Instrument	Model	S/No	Cal Due Date
HP Spectrum Analyzer	E7405	US40240195	18 Jan 2008

FCC Part 15.247(a)(1) Spectrum Bandwidth (20dB Bandwidth Measurement) Test Setup

- 1. The EUT and supporting equipment were set up as shown in the setup photo.
- 2. The power supply for the EUT was connected to a filtered mains.
- 3. The RF antenna connector was connected to the spectrum analyser via a low-loss coaxial cable.
- 4. The resolution bandwidth (RBW) and the video bandwidth (VBW) of the spectrum analyser were respectively set to 10kHz and 30kHz.
- 5. All other supporting equipment were powered separately from another filtered mains.

FCC Part 15.247(a)(1) Spectrum Bandwidth (20dB Bandwidth Measurement) Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode, non-hopping with transmitting frequency at Channel 0 (2.402GHz).
- 2. The center frequency of the spectrum analyser was set to the transmitting frequency with the frequency span wide enough to capture the 20dB bandwidth of the transmitting frequency.
- 3. The spectrum analyser was set to max hold to capture the transmitting frequency. The signal capturing was continuous until no further changes were observed.
- 4. The peak of the transmitting frequency was detected with the marker peak function of the spectrum analyser. The frequencies below the 20dB peak frequency at lower (f_L) and upper (f_H) sides of the transmitting frequency were marked and measured by using the marker-delta function of the spectrum analyser.
- The 20dB bandwidth of the transmitting frequency is the frequency difference between the 5. marked lower and upper frequencies, $|f_H - f_L|$.
- 6. The steps 2 to 5 were repeated with the transmitting frequency was set to Channel 39 (2.441GHz) and Channel 78 (2.480GHz) respectively.

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SPECTRUM BANDWIDTH (20dB BANDWIDTH MEASUREMENT) TEST



Spectrum Bandwidth (20dB Bandwidth Measurement) Test Setup



SPECTRUM BANDWIDTH (20dB BANDWIDTH MEASUREMENT) TEST

FCC Part 15.247(a)(1) Spectrum Bandwidth (20dB Bandwidth Measurement) Results

Test Input Power	110V 60Hz (AC/DC Power Adapter)	Temperature	22°C
Attached Plots	4 - 6	Relative Humidity	58%
		Atmospheric Pressure	1030mbar
		Tested By	Kenneth Ler

Channel	Channel Frequency (GHz)	20dB Bandwidth (MHz)
0	2.402	0.830
39	2.441	0.830
78	2.480	0.830

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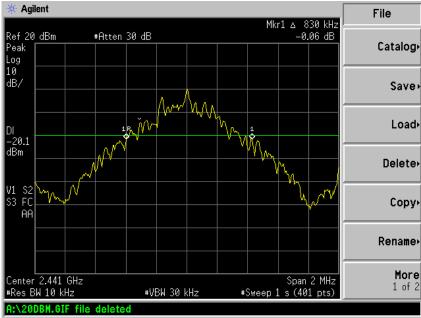


SPECTRUM BANDWIDTH (20dB BANDWIDTH MEASUREMENT) TEST

Spectrum Bandwidth (20dB Bandwidth Measurement) Plots



Plot 4 - Channel 0

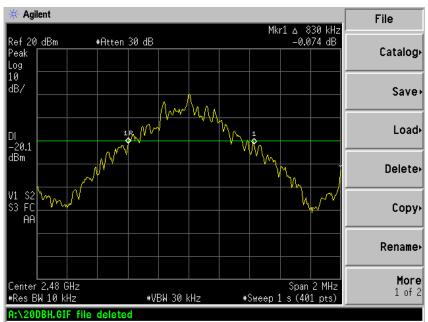


Plot 5 - Channel 39



SPECTRUM BANDWIDTH (20dB BANDWIDTH MEASUREMENT) TEST

Spectrum Bandwidth (20dB Bandwidth Measurement) Plots



Plot 6 - Channel 78



NUMBER OF HOPPING FREQUENCIES TEST

FCC Part 15.247(a)(1)(iii) Number of Hopping Frequencies Limits

The EUT shows compliance to the requirements of this section, which states the EUT shall use at least 15 channels.

FCC Part 15.247(a)(1)(iii) Number of Hopping Frequencies Test Instrumentation

Instrument	Model	S/No	Cal Due Date
HP Spectrum Analyzer	E7405	US40240195	18 Jan 2008

FCC Part 15.247(a)(1)(iii) Number of Hopping Frequencies Test Setup

- 1. The EUT and supporting equipment were set up as shown in the setup photo.
- The power supply for the EUT was connected to a filtered mains. 2.
- 3. The RF antenna connector was connected to the spectrum analyser via a low-loss coaxial
- 4. The resolution bandwidth (RBW) and the video bandwidth (VBW) of the spectrum analyser were respectively set to 100kHz and 300kHz.
- All other supporting equipment were powered separately from another filtered mains. 5.

FCC Part 15.247(a)(1)(iii) Number of Hopping Frequencies Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode with frequency hopping sequence on.
- 2. The start and stop frequencies of the spectrum analyser were set to 2.40GHz and 2.421GHz.
- The spectrum analyser was set to max hold to capture all the transmitting frequencies within the 3. span. The signal capturing was continuous until all the transmitting frequencies were captured and no further signals were detected.
- The numbers of transmitting frequencies were counted and recorded. 4.
- The steps 2 to 4 were repeated with the following start and stop frequencies settings: 5.
 - a. 2.420GHz to 2.441GHz
 - b. 2.440GHz to 2.461GHz
 - c. 2.460GHz to 2.4835GHz
- 6. The total number of hopping frequencies is the sum of the number of the hopping frequencies found for each span.

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NUMBER OF HOPPING FREQUENCIES TEST



Number of Hopping Frequencies Test Setup



NUMBER OF HOPPING FREQUENCIES TEST

FCC Part 15.247(a)(1)(iii) Number of Hopping Frequencies Results

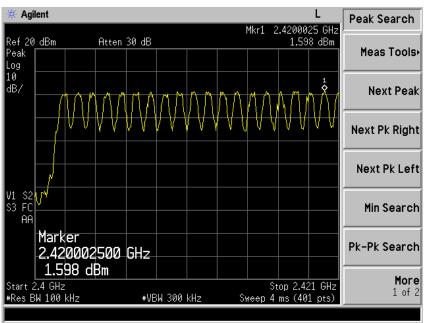
Test Input Power	110V 60Hz (AC/DC Power Adapter)	Temperature	23°C
Attached Plots	7 - 10	Relative Humidity	55%
		Atmospheric Pressure	1030mbar
		Tested By	Thor Wen Lei

The EUT was found to have 79 hopping frequencies. Please refer to the attached plots.

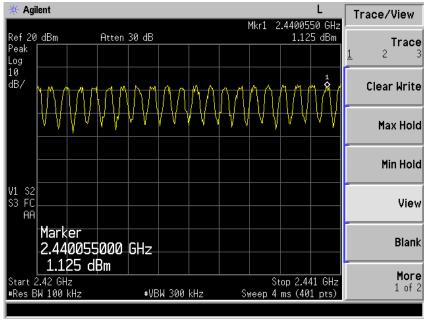


NUMBER OF HOPPING FREQUENCIES TEST

Number Of Hopping Frequencies Plots



Plot 7 - Channels 0 to 18

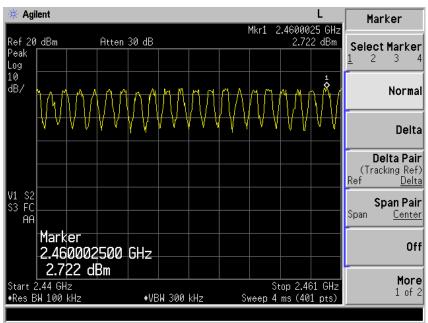


Plot 8 - Channels 19 to 38

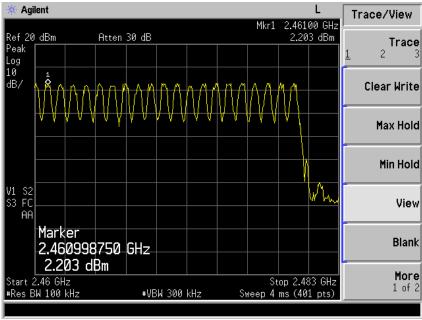


NUMBER OF HOPPING FREQUENCIES TEST

Number Of Hopping Frequencies Plots



Plot 9 - Channels 39 to 58



Plot 10 - Channels 59 to 78



AVERAGE FREQUENCY DWELL TIME TEST

FCC Part 15.247(a)(1)(iii) Average Frequency Dwell Time Limits

The EUT shows compliance to the requirements of this section, which states the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

FCC Part 15.247(a)(1)(iii) Average Frequency Dwell Time Test Instrumentation

Instrument	Model	S/No	Cal Due Date
HP Spectrum Analyzer	E7405	US40240195	18 Jan 2008

FCC Part 15.247(a)(1)(iii) Average Frequency Dwell Test Setup

- The EUT and supporting equipment were set up as shown in the setup photo.
- 2. The power supply for the EUT was connected to a filtered mains.
- The RF antenna connector was connected to the spectrum analyser via a low-loss coaxial cable.
- 4. The resolution bandwidth (RBW) and the video bandwidth (VBW) of the spectrum analyser were respectively set to 1MHz and 1MHz.
- All other supporting equipment were powered separately from another filtered mains. 5.

FCC Part 15.247(a)(1)(iii) Average Frequency Dwell Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode with frequency hopping sequence on.
- 2. The center frequency of the spectrum analyser was set to 2.402GHz with zero frequency span (spectrum analyser acts as an oscilloscope).
- 3. The sweep time of the spectrum analyser was adjusted until a stable signal can be seen on the spectrum analyser.
- The duration (dwell time) of a packet was measured using the marker-delta function of the 4. spectrum analyser. The average dwell time of the transmitting frequency was computed based on general expression as shown below:
 - Average Frequency Dwell Time [measured time slot length x hopping rate / number of hopping channels] x [0.4 x number of hopping channels 1
- 5. The steps 2 to 4 were repeated with the center frequency of the spectrum analyser were set to 2.441GHz and 2.480GHz respectively.

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AVERAGE FREQUENCY DWELL TIME TEST



Average Frequency Dwell Time Test Setup



AVERAGE FREQUENCY DWELL TIME TEST

FCC Part 15.247(a)(1)(iii) Average Frequency Dwell Time Results

Test Input Power	110V 60Hz (AC/DC Power Adapter)	Temperature	22°C
Attached Plots	11 - 13	Relative Humidity	58%
Hopping Rate	1600 hops/s	Atmospheric Pressure	1030mbar
Number of Hopping	79	Tested By	Kenneth Ler
Channels			

Channel	Channel Frequency (GHz)	Average Frequency Dwell Time (s)	Average Occupancy Limit (s)
0	2.402	0.2008	0.4
39	2.441	0.2008	0.4
78	2.480	0.2000	0.4

Notes

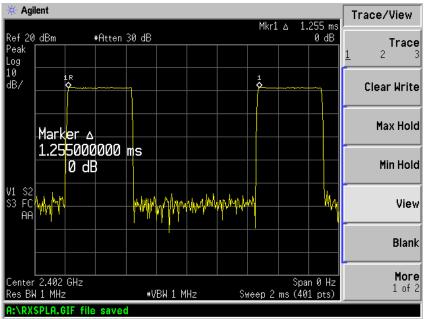
- 1. The EUT operates based on 1-slot transmission and 1-slot reception basis. As such, there are [1600 / (1 + 1)] transmissions per second and the time occupancy per channel is [measured time slot length / 2].
- 2. Average Frequency Dwell Time = [measured time slot length / 2 x hopping rate / 2 / number of hopping channels] x [0.4 x number of hopping channels]

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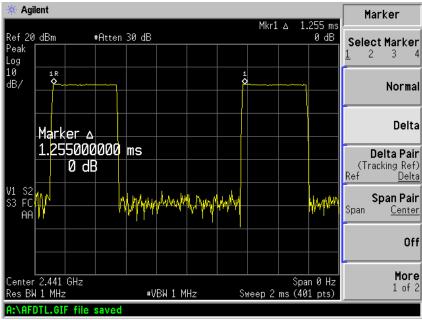


AVERAGE FREQUENCY DWELL TIME TEST

Average Frequency Dwell Time Plots



Plot 11 - Channel 0

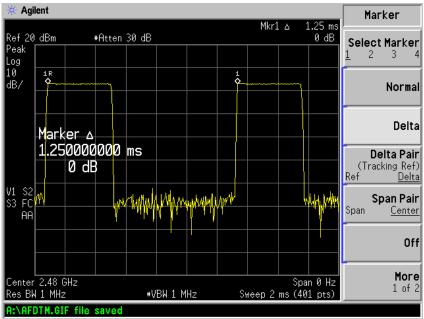


Plot 12 - Channel 39



AVERAGE FREQUENCY DWELL TIME TEST

Average Frequency Dwell Time Plots



Plot 13 - Channel 78



MAXIMUM PEAK POWER TEST

FCC Part 15.247(b)(1) Maximum Peak Power Limits

The EUT shows compliance to the requirements of this section, which states the EUT employing at least 75 non-overlapping hopping channels shall not exceed 1W (30dBm). For the EUT employs other frequency hopping systems, the peak power shall not greater than 0.125W (21dBm).

FCC Part 15.247(b)(1) Maximum Peak Power Test Instrumentation

Instrument	Model	S/No	Cal Due Date
Boonton RF Power Meter	4532	97701	28 Oct 2007
Boonton Power Sensor	51075	32002	28 Oct 2007

FCC Part 15.247(b)(1) Maximum Peak Power Test Setup

- 1. The EUT and supporting equipment were set up as shown in the setup photo.
- 2. The power supply for the EUT was connected to a filtered mains.
- 3. The RF antenna connector was connected to the power mete via a low-loss coaxial cable.
- All other supporting equipment were powered separately from another filtered mains.

FCC Part 15.247(b)(1) Maximum Peak Power Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode, non-hopping with transmitting frequency at Channel 0 (2.402GHz).
- 2. The maximum peak power of the transmitting frequency was detected and recorded.
- The step 2 was repeated with the transmitting frequency was set to Channel 39 (2.441GHz) and 3. Channel 78 (2.480GHz) respectively.

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Bluetooth Stereo Receiver [Model : WiMe Kurve] [FCC ID : VCFK0001]



MAXIMUM PEAK POWER TEST



Maximum Peak Power Test Setup



MAXIMUM PEAK POWER TEST

FCC Part 15.247(b)(1) Maximum Peak Power Results

Test Input Power	110V 60Hz (AC/DC Power Adapter)	Temperature	23°C
		Relative Humidity	55%
		Atmospheric Pressure	1030mbar
		Tested By	Thor Wen Lei

Channel	Channel Frequency (GHz)	Maximum Peak Power (W)	Limit (W)
0	2.402	0.002	1.000
39	2.441	0.002	1.000
78	2.480	0.002	1.000

<u>Notes</u>

1. Power analyser was used for power measurement with peak detection as mode of measurement. The power analyser mode supports a wideband power measurement ranging from 100kHz to 18GHz.

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RF CONDUCTED SPURIOUS EMISSIONS TEST

FCC Part 15.247(d) RF Conducted Spurious Emissions Limits

The EUT shows compliance to the requirements of this section, which states in any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator (EUT) is operating, the radio frequency power that is produced by the EUT shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of desired power.

FCC Part 15.247(d) RF Conducted Spurious Test Instrumentation

Instrument	Model	S/No	Cal Due Date
HP Spectrum Analyzer	E7405	US40240195	18 Jan 2008

FCC Part 15.247(d) RF Conducted Spurious Emissions Test Setup

- 1. The EUT and supporting equipment were set up as shown in the setup photo.
- 2. The power supply for the EUT was connected to a filtered mains.
- 3. The RF antenna connector was connected to the spectrum analyser via a low-loss coaxial
- 4. The resolution bandwidth (RBW) and the video bandwidth (VBW) of the spectrum analyser were respectively set to 100kHz and 300kHz.
- All other supporting equipment were powered separately from another filtered mains. 5.

FCC Part 15.247(d) RF Conducted Spurious Emissions Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode, non-hopping with transmitting frequency at Channel 0 (2.402GHz).
- The start and stop frequencies of the spectrum analyser were set to 30MHz and 10GHz.
- 3. The spectrum analyser was set to max hold to capture any spurious emissions within the span. The signal capturing was continuous until no further spurious emissions were detected.
- 4. The steps 2 to 3 were repeated with frequency span was set from 10GHz to 25GHz.
- The steps 2 to 4 were repeated with the transmitting frequency was set to Channel 39 5. (2.441GHz) and Channel 78 (2.480GHz) respectively.

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RF CONDUCTED SPURIOUS EMISSIONS TEST



RF Conducted Spurious Emissions Test Setup



RF CONDUCTED SPURIOUS EMISSIONS TEST

FCC Part 15.247(d) RF Conducted Spurious Emissions Results

Test Input Power	110V 60Hz (AC/DC Power Adapter)	Temperature	23°C
Attached Plots	14 - 19	Relative Humidity	55%
		Atmospheric Pressure	1030mbar
		Tested By	Thor Wen Lei

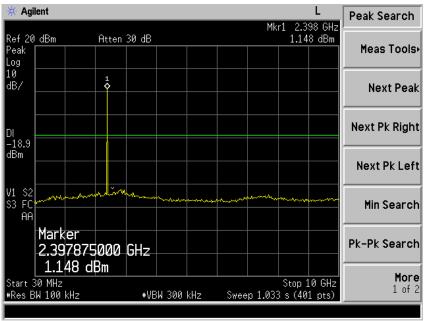
All spurious signals found were below the specified limit. Please refer to the attached plots.

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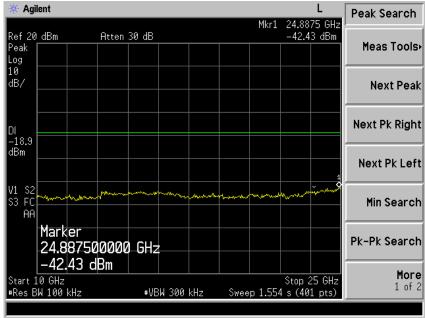


RF CONDUCTED SPURIOUS EMISSIONS TEST

RF Conducted Spurious Emissions Plots



Plot 14 - Channel 0

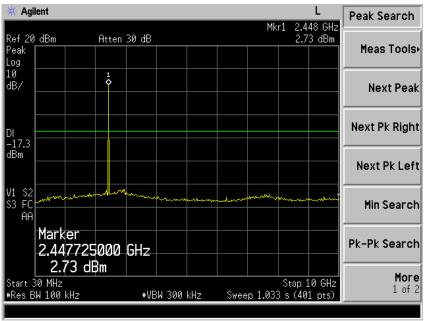


Plot 15 - Channel 0

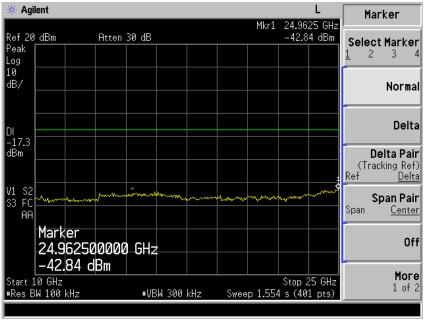


RF CONDUCTED SPURIOUS EMISSIONS TEST

RF Conducted Spurious Emissions Plots



Plot 16 - Channel 39

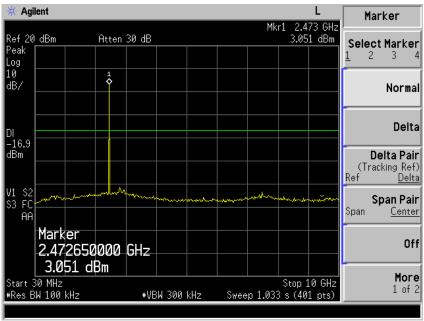


Plot 17 - Channel 39

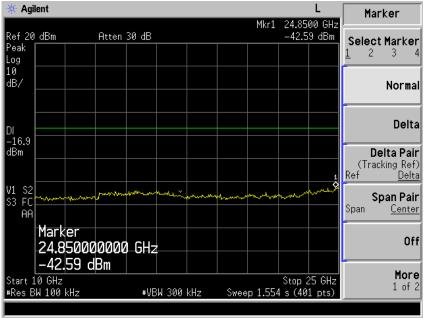


RF CONDUCTED SPURIOUS EMISSIONS TEST

RF Conducted Spurious Emissions Plots



Plot 18 - Channel 78



Plot 19 - Channel 78



BAND EDGE COMPLIANCE (CONDUCTED) TEST

FCC Part 15.247(d) Band Edge Compliance (Conducted) Limits

The EUT shows compliance to the requirements of this section, which states in any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator (EUT) is operating, the radio frequency power that is produced by the EUT shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of desired power.

FCC Part 15.247(d) Band Edge Compliance (Conducted) Test Instrumentation

Instrument	Model	S/No	Cal Due Date
HP Spectrum Analyzer	E7405	US40240195	18 Jan 2008

FCC Part 15.247(d) Band Edge Compliance (Conducted) Test Setup

- 1. The EUT and supporting equipment were set up as shown in the setup photo.
- 2. The power supply for the EUT was connected to a filtered mains.
- 3. The RF antenna connector was connected to the spectrum analyser via a low-loss coaxial
- 4. The resolution bandwidth (RBW) and the video bandwidth (VBW) of the spectrum analyser were respectively set to 100kHz and 100kHz.
- All other supporting equipment were powered separately from another filtered mains. 5.

FCC Part 15.247(d) Band Edge Compliance (Conducted) Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode with frequency hopping sequence on.
- 2. The frequency span of the spectrum analyser was set to wide enough to capture the lower band edge of the transmission band, 2.400GHz and any spurious emissions at the band edge.
- 3. The spectrum analyser was set to max hold to capture any spurious emissions within the span. The signal capturing was continuous until no further spurious emissions were detected.
- 4. The steps 2 to 3 were repeated with the frequency span of the spectrum analyser was set to wide enough to capture the upper band edge frequency of the transmission band, 2.4835GHz and the any spurious emissions at the band-edge.

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Bluetooth Stereo Receiver [Model : WiMe Kurve] [FCC ID : VCFK0001]



BAND EDGE COMPLIANCE (CONDUCTED) TEST



Band Edge Compliance (Conducted) Test Setup



BAND EDGE COMPLIANCE (CONDUCTED) TEST

FCC Part 15.247(d) Band Edge Compliance (Conducted) Results

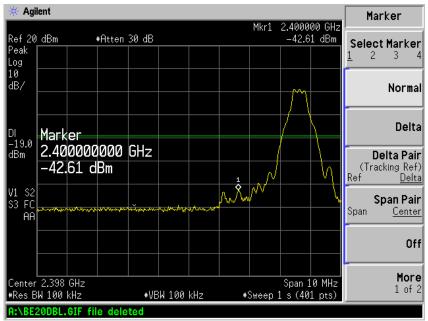
Test Input Power	110V 60Hz (AC/DC Power Adapter)	Temperature	22°C
Attached Plots	20 - 21	Relative Humidity	58%
		Atmospheric Pressure	1030mbar
		Tested By	Kenneth Ler

No significant signal was found and they were below the specified limit.

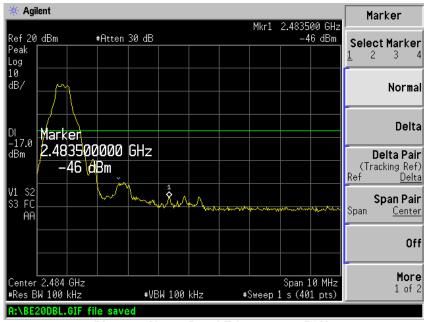


BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots



Plot 21 - Lower Band Edge at 2.4000GHz



Plot 22 - Upper Band Edge at 2.4835GHz



BAND EDGE COMPLIANCE (RADIATED) TEST

FCC Part 15.247(d) Band Edge Compliance (Radiated) Limits

The EUT shows compliance to the requirements of this section, which states in any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator (EUT) is operating, the radio frequency power that is produced by the EUT shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of desired power. In addition, radiated emissions which fall in the restricted bands shall comply to the radiated emission limits specified in 15.209.

FCC Part 15.247(d) Band Edge Compliance (Radiated) Test Instrumentation

Instrument	Model	S/No	Cal Due Date
R&S Test Receiver (20Hz-26.5GHz) –	ESMI	829214/005	24 Nov 2007
ESMI3		829550/004	
TESEQ Preamplifier (1GHz-18GHz) – PA16	LNA6018	70214	09 Jan 2008
Schaffner Preamplifier (9kHz-2GHz) – PA19	CPA9231A	18763	12 Jan 2008
Schaffner Bilog Antenna –BL4	CBL6112B	2593	12 May 2007
EMCO Horn Antenna – H14	3115	0003-6087	19 May 2007
Mirco-Tronics 2.4GHz Bandstop Filter	BRM50701	042	13 Aug 2007

FCC Part 15.247(d) Band Edge Compliance (Radiated) Test Setup

- 1. The EUT and supporting equipment were set up as shown in the setup photo.
- 2. The power supply for the EUT was connected to a filtered mains.
- 3. The resolution bandwidth (RBW) and the video bandwidth (VBW) of the spectrum analyser were respectively set to 100kHz and 300kHz to show compliance of spurious at band edges are at least 20dB below the carriers. For restricted band spurious at band edges, peak and average measurement plots were taken using the following setting:
 - a. Peak Plot:
 - RBW = VBW = 1MHz
 - b. Average Plot
 - RBW = 1MHz. VBW = 10Hz
- 4. All other supporting equipment were powered separately from another filtered mains.

FCC Part 15.247(d) Band Edge Compliance (Radiated) Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode with frequency hopping sequence on.
- 2. The frequency span of the spectrum analyser was set to wide enough to capture the lower band edge of the transmission band, 2.400GHz and any spurious emissions at the band edge.
- 3. The spectrum analyser was set to max hold to capture any spurious emissions within the span. The signal capturing was continuous until no further spurious emissions were detected.
- 4. The steps 2 to 3 were repeated with the frequency span of the spectrum analyser was set to wide enough to capture the upper band edge frequency of the transmission band, 2.4835GHz and the any spurious emissions at the band-edge.

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Bluetooth Stereo Receiver [Model : WiMe Kurve] [FCC ID : VCFK0001]



BAND EDGE COMPLIANCE (RADIATED) TEST



Band Edge Compliance (Radiated) Test Setup



BAND EDGE COMPLIANCE (RADIATED) TEST

FCC Part 15.247(d) Band Edge Compliance (Radiated) Results

Test Input Power	110V 60Hz (AC/DC Power Adapter)	Temperature	22°C
Attached Plots	22 - 27	Relative Humidity	58%
		Atmospheric Pressure	1030mbar
		Tested By	Kenneth Ler

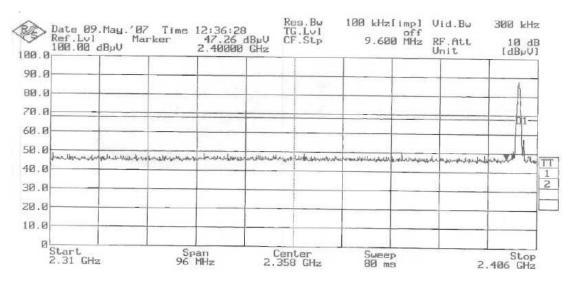
No significant signal was found and they were below the specified limit.

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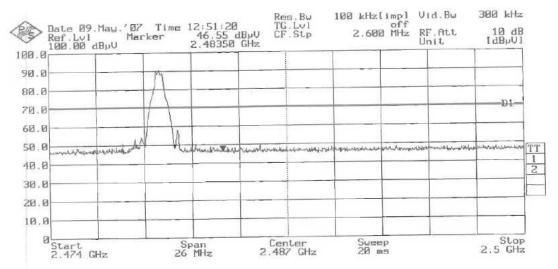


BAND EDGE COMPLIANCE (RADIATED) TEST

Band Edge Compliance (Radiated) Plots (20dB Delta from Carrier at Band Edge)



Plot 22 - Lower Band Edge at 2.4000GHz



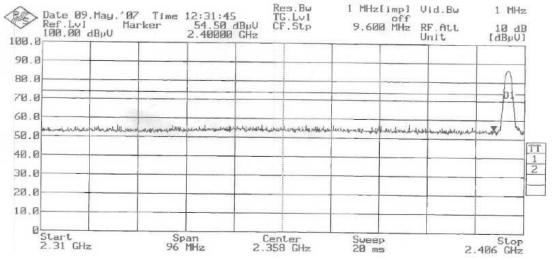
Plot 23 - Upper Band Edge at 2.4835GHz

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Bluetooth Stereo Receiver [Model : WiMe Kurve] [FCC ID : VCFK0001]

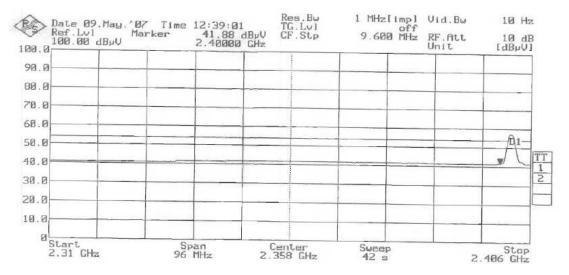


BAND EDGE COMPLIANCE (RADIATED) TEST

Band Edge Compliance (Radiated) Plots (Restricted Band)



Plot 24 – Peak Plot at Lower Band Edge at 2.4000GHz



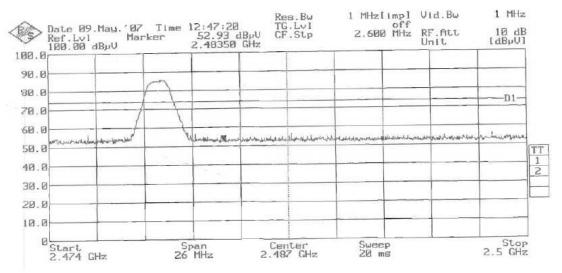
Plot 25 - Average Plot at Lower Band Edge at 2.4000GHz

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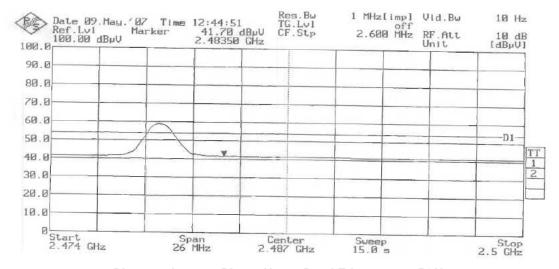


BAND EDGE COMPLIANCE (RADIATED) TEST

Band Edge Compliance (Radiated) Plots (Restricted Band)



Plot 26 - Peak Plot at Upper Band Edge at 2.4835GHz



Plot 27 - Average Plot at Upper Band Edge at 2.4835GHz

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PEAK POWER SPECTRAL DENSITY TEST

FCC Part 15.247(e) Peak Power Spectral Density Limits

The EUT shows compliance to the requirements of this section, which states the peak power spectral density conducted from the intentional radiator (EUT) to the antenna shall not be greater than 8dBm (6.3mW) in any 3kHz band during any time interval of continuous transmission.

FCC Part 15.247(e) Peak Power Spectral Density Test Instrumentation

Instrument	Model	S/No	Cal Due Date
HP Spectrum Analyzer	E7405	US40240195	18 Jan 2008

FCC Part 15.247(e) Peak Power Spectral Density Test Setup

- The EUT and supporting equipment were set up as shown in the setup photo.
- The power supply for the EUT was connected to a filtered mains. 2.
- 3. The RF antenna connector was connected to the spectrum via a low-loss coaxial cable.
- 4. The resolution bandwidth (RBW) and the video bandwidth (VBW) of the spectrum analyser were respectively set to 3kHz and 10kHz.
- 5. All other supporting equipment were powered separately from another filtered mains.

FCC Part 15.247(e) Peak Power Spectral Density Test Method

- The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode, non-hopping with transmitting frequency at Channel 0 (2.402GHz).
- 2. The sweep time of the spectrum analyser was set to the value of the ratio of the frequency span divided by the RBW.
- 3. The peak power density of the transmitting frequency was detected and recorded.
- The step 3 was repeated with the transmitting frequency was set to Channel 39 (2.441GHz) and 4. Channel 78 (2.480GHz) respectively.

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Bluetooth Stereo Receiver [Model : WiMe Kurve] [FCC ID : VCFK0001]



PEAK POWER SPECTRAL DENSITY TEST



Peak Power Spectral Density Test Setup



PEAK POWER SPECTRAL DENSITY TEST

FCC Part 15.247(e) Peak Power Spectral Density Results

Test Input Power	110V 60Hz (AC/DC Power Adapter)	Temperature	23°C
Attached Plots	28 - 30	Relative Humidity	55%
		Atmospheric Pressure	1030mbar
		Tested By	Thor Wen Lei

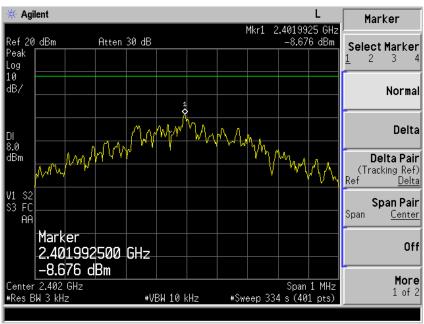
Channel	Channel Frequency (GHz)	Peak Power Spectral Density (mW)	Limit (mW)
0	2.402	0.1356	6.3
39	2.441	0.1856	6.3
78	2.480	0.1752	6.3

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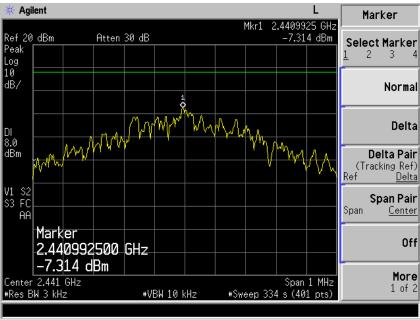


PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots



Plot 28 - Channel 0

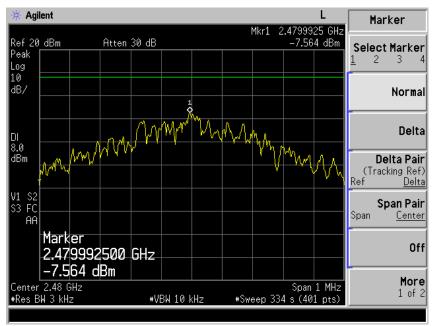


Plot 29 - Channel 39



PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots



Plot 30 - Channel 78



MAXIMUM PERMISSIBLE EXPOSURE (MPE) COMPUTATION

FCC Part 1.1310 Maximum Permissible Exposure (MPE) Limits

The EUT shows compliance to the requirements of this section, which states the MPE limits for general population / uncontrolled exposure are as shown below:

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (min)
0.3 - 1.34	614	1.63	100 Note 2	30
1.34 - 30	824 / f	2.19 / f	180 / f ^{2 Note 2}	30
30 - 300	27.5	0.073	0.2	30
300 - 1500	-	-	f / 1500	30
1500 - 100000	-	-	1.0	30
Notes				
1. f = frequency in MHz				
2. Plane wave equivalent power density				

FCC Part 1.1310 Maximum Permissible Exposure (MPE) Computation Procedures

1.

The power density of the EUT, P was computed based on following formula: d = $\sqrt{[(30PG)/377S]}$ where P = Power in W S Power density, W/m2 = d Test distance, m = G Numerical isotropic gain

The distance, d was computed. The distance d is the minimum distance between the EUT and user that must be maintained to ensure compliance of this requirement. 3.

FCC Part 1.1310 Maximum Permissible Exposure (MPE) Computation Method

0.002W s G = 10 W/m² (limit) 1 (0dBi) = d √ [(30PG) / 377S] 3.989mm

The distance between the EUT and users shall be maintained at least 0.4cm to *:*. ensure a safe RF exposure when using the EUT.

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This Report is issued under the following conditions:

- Results of the testing/calibration in the form of a report will be issued immediately after the service has been completed or terminated.
- 2. Unless otherwise requested, a report shall contain only technical results. Analysis and interpretation of the results and professional opinion and recommendations expressed thereupon, if required, shall be clearly indicated and additional fee paid for, by the Client.
- 3. This report applies to the sample of the specific product/equipment given at the time of its testing/calibration. The results are not used to indicate or imply that they are applicable to other similar items. In addition, such results must not be used to indicate or imply that TÜV SÜD PSB approves, recommends or endorses the manufacturer, supplier or user of such product/equipment, or that TÜV SÜD PSB in any way "guarantees" the later performance of the product/equipment.
- 4. The sample/s mentioned in this report is/are submitted/supplied/manufactured by the Client. TÜV SÜD PSB therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture, consignment or any information supplied.
- 5. Additional copies of the report are available to the Client at an additional fee. No third party can obtain a copy of this report through TÜV SÜD PSB, unless the Client has authorised TÜV SÜD PSB in writing to do so.
- 6. TÜV SÜD PSB may at its sole discretion add to or amend the conditions of the report at the time of issue of the report and such report and such additions or amendments shall be binding on the Client.
- 7. All copyright in the report shall remain with TÜV SÜD PSB and the Client shall, upon payment of TÜV SÜD PSB's fees for the carrying out of the tests/calibrations, be granted a license to use or publish the report to the third parties subject to the terms and conditions herein, provided always that TÜV SÜD PSB may at its absolute discretion be entitled to impose such conditions on the license as it sees fit.
- 8. Nothing in this report shall be interpreted to mean that TÜV SÜD PSB has verified or ascertained any endorsement or marks from any other testing authority or bodies that may be found on that sample.
- 9. This report shall not be reproduced wholly or in parts and no reference shall be made by the Client to TÜV SÜD PSB or to the report or results furnished by TÜV SÜD PSB in any advertisements or sales promotion.
- 10. Unless otherwise stated, the tests are carried out in TÜV SÜD PSB Pte Ltd, No.1 Science Park Drive Singapore 118221.

May 2007



EUT PHOTOGRAPHS / DIAGRAMS

ANNEX A

ANNEX A EUT PHOTOGRAPHS / DIAGRAMS



EUT PHOTOGRAPHS / DIAGRAMS

ANNEX A

EUT PHOTOGRAPHS FOR AC POWER ADAPTER



Front View



Rear View



EUT PHOTOGRAPHS / DIAGRAMS

ANNEX A

EUT PHOTOGRAPHS



Front View



Rear View



EUT PHOTOGRAPHS / DIAGRAMS

ANNEX A

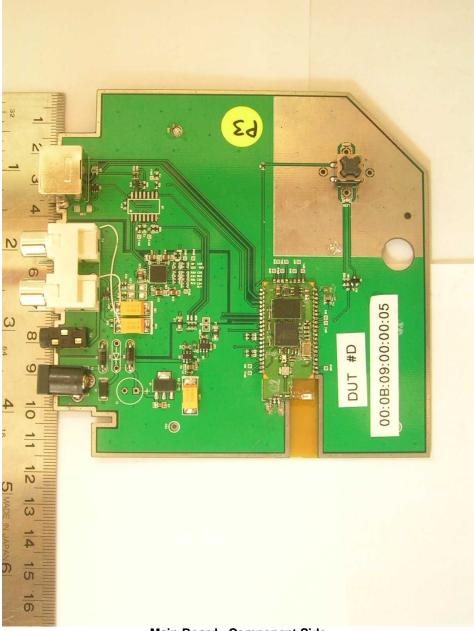


Internal View



EUT PHOTOGRAPHS / DIAGRAMS

ANNEX A

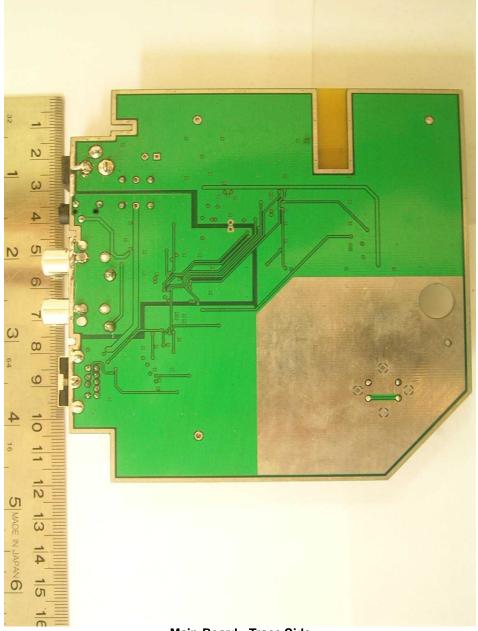


Main-Board - Component Side



EUT PHOTOGRAPHS / DIAGRAMS

ANNEX A

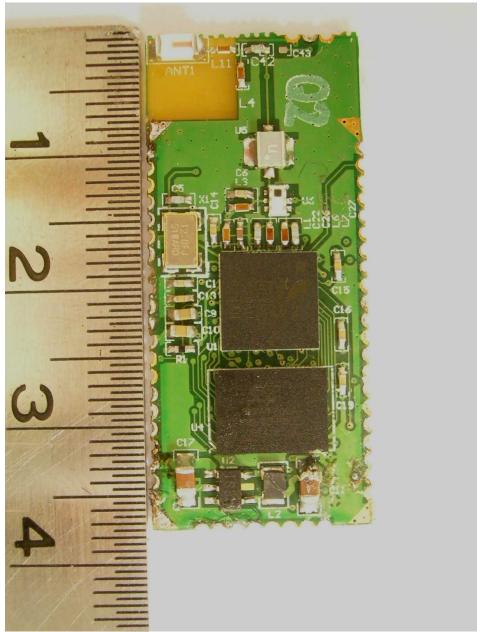


Main-Board - Trace Side



EUT PHOTOGRAPHS / DIAGRAMS

ANNEX A

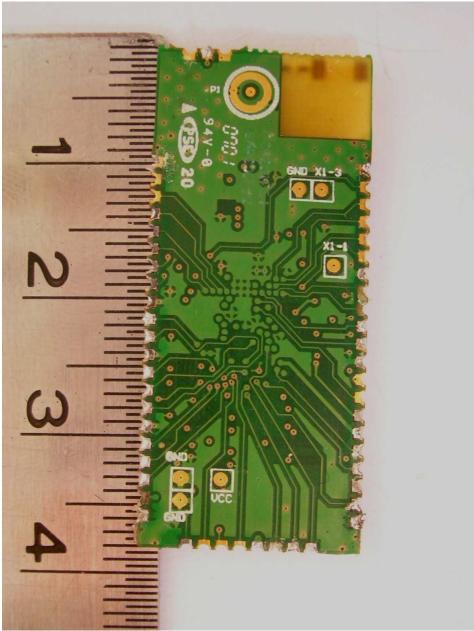


Bluetooth Module Board - Component Side



EUT PHOTOGRAPHS / DIAGRAMS

ANNEX A

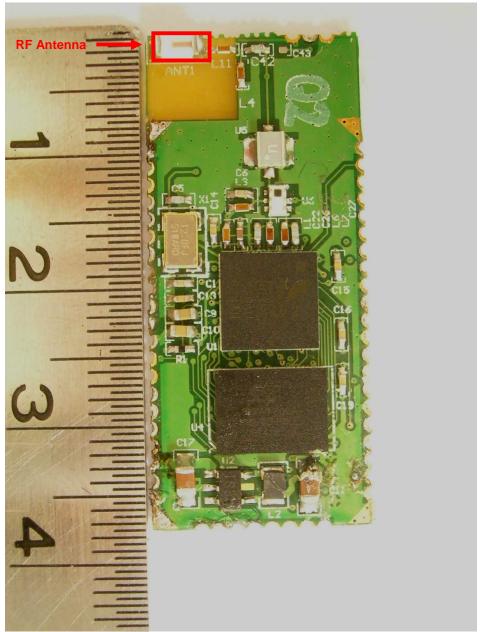


Bluetooth Module Board - Trace Side



EUT PHOTOGRAPHS / DIAGRAMS

ANNEX A



RF Module Circuit



FCC LABEL & POSITION

ANNEX B

ANNEX B FCC LABEL & POSITION

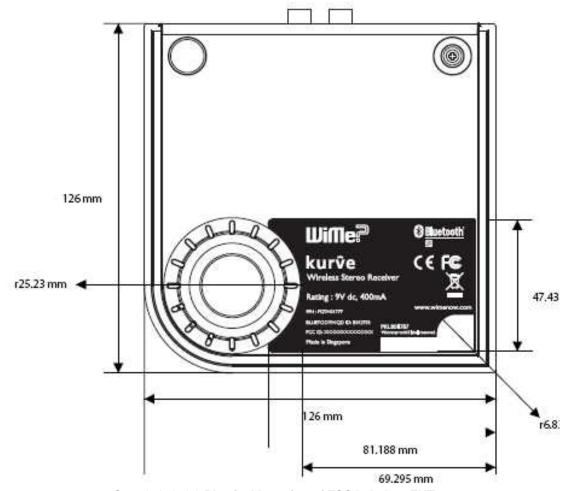


FCC LABEL & POSITION

ANNEX B

Labelling requirements per Section 2.925 & 15.19

The label shown will be permanently affixed at a conspicuous location on the device and be readily visible to the user at the time of purchase.



Sample Label & Physical Location of FCC Label on EUT



USER MANUAL TECHINCAL DESCRIPTION BLOCK & CIRCUIT DIAGRAMS

ANNEX C

ANNEX C

USER MANUAL TECHNICAL DESCRIPTION BLOCK & CIRCUIT DIAGRAMS

(Please refer to manufacturer for details)

WiMe Pte Ltd Page 74 of 74 Bluetooth Stereo Receiver [Model : WiMe Kurve] [FCC ID : VCFK0001]