

FCC PART 15.247 TEST REPORT

For

Xingtel Xiamen Group Co., Ltd.

Xingtel Building, Chuangxin Road, Torch Hi-Tech Industrial District, Xiamen 361006, PR China

FCC ID: QMHA6BT

Product Type: Report Type:

iConnect A6BT DECT 6.0 Cordless Original Report with Bluetooth (Handset Unit)

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Report Number: RSZ130304002-00B

Report Date: 2013-04-24

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Reviewed By: RF Leader

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Note: This test report is prepared for the customer shown above and for the equipment described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp.

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The Xingtel Xiamen Group Co., Ltd.'s product, model number: CL-3675BT (FCC ID: QMHA6BT) (the "EUT") in this report was a handset unit of iConnect A6BT DECT 6.0 Cordless with Bluetooth, which was measured approximately: 19.0 cm (L) x 6.1 cm (W) x 2.9 cm (H), rated with input voltage: 3*AAA 1.2V 800mAh battery

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Note: The series product, model A6BT and CL-3675BT are electrically identical, they have the same PCB layout and schematic, the difference between them is just the model number, model CL-3675BT was selected for fully testing, the detailed information can be referred to the attached declaration letter that stated and guaranteed by the applicant.

* All measurement and test data in this report was gathered from production sample serial number: 1302083 (Assigned by BACL, Shenzhen). The EUT supplied by the applicant was received on 2013-03-04.

Objective

This report is prepared on behalf of *Xingtel Xiamen Group Co.*, *Ltd.* in accordance with Part 2-Subpart J, Part 15-Subparts A, B and C of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, section 15.203, 15.205, 15.209 and 15.247 rules.

Related Submittal(s)/Grant(s)

Submitted with the FCC part 15D base unit and handset unit with FCC ID: QMHA6BT

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2009, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

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Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China.

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Test site at Bay Area Compliance Laboratories Corp. (Shenzhen) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on December 06, 2010. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2009.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 382179. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

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SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in an engineering mode which was controlled by software.

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EUT Exercise Software

CSR Blue Suite 2.2

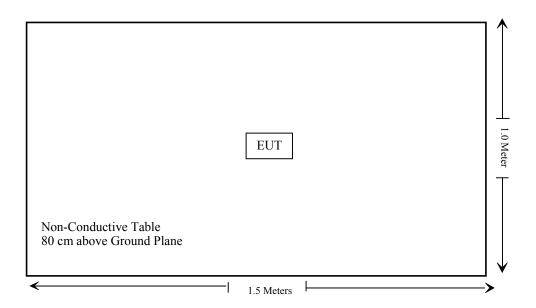
Equipment Modifications

No modification was made to the EUT tested.

External I/O Cable

Cable Description	Length (m)	From/Port	То
/	/	/	/

Block Diagram of Test Setup



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SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.247 (i), §2.1093	RF Exposure	Compliance
§15.203	Antenna Requirement	Compliance
§15.207 (a)	Conducted Emissions	Not Applicable
\$15.205, \$15.209, \$15.247(d)	Radiated Emissions	Compliance
§15.247 (a)(1)	20 dB Emission Bandwidth	Compliance
§15.247(a)(1)	Channel Separation	Compliance
§15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	Compliance
§15.247(a)(1)(iii)	Quantity of hopping channel	Compliance
§15.247(b)(1)	Peak Output Power Measurement	Compliance
§15.247(d)	Band Edges	Compliance

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Note: The EUT is powered by battery only, so conducted emission test in not required.

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FCC §15.247 (i) & §2.1093 – RF EXPOSURE

Applicable Standard

According to FCC §2.1093 and §1.1307(b) (1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

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According to KDB 447498 D01 Mobile Portable RF Exposure v05 Appendix A, SAR can be exempted if the output power is less than the SAR exclusion threshold:

For f = 2450 MHz the output power is less than 10 mW at distance of 5 mm.

RF Exposure Evaluation

Maximum peak output power at antenna input terminal: 2402 MHz: -2.54 dBm = 0.557 mW SAR exclusion threshold 10 mW > 0.557 mW So the SAR evaluation is not necessary.

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FCC §15.203 – ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

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Antenna Connector Construction

This product has PCB antenna with gain 0 dBi, fulfill the requirement of this section, and please refer to the internal photos.

Result: Compliance.

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FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

FCC §15.247 (d); §15.209; §15.205;

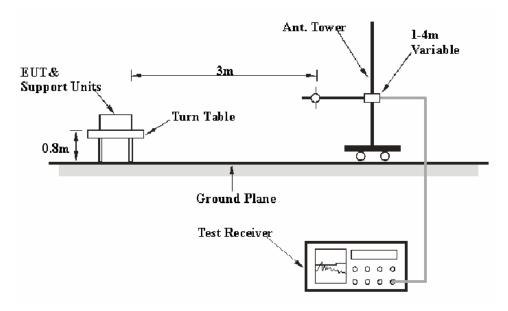
Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

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Based on CISPR 16-4-2, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of radiation emissions measurement at Bay Area Compliance Laboratories Corp. (Shenzhen) is 4.0 dB (k=2, 95% level of confidence), and the uncertainty will not be taken into consideration for the test data recorded in the report.

EUT Setup



The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.4-2009. The specification used was the FCC 15.209 and FCC 15.247 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

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EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

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Frequency Range	RBW	Video B/W	IF B/W	Detector
30MHz – 1000 MHz	100 kHz	300 kHz	120kHz	QP
Above 1 GHz	1MHz	3 MHz	/	PK
Above I GHZ	1MHz	10 Hz	/	Ave.

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz to 1GHz and peak and Average detection modes for frequencies above 1GHz.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
НР	Amplifier	8447E	1937A01046	2012-11-24	2013-11-23
Rohde & Schwarz	EMI Test Receiver	ESCI	101122	2012-08-08	2013-08-07
Sunol Sciences	Broadband Antenna	JB1	A040904-2	2011-11-28	2014-11-27
SUPER ULTRA	Amplifier	ZVA-213+	N/A	2012-11-24	2013-11-23
Sunol Sciences	Horn Antenna	DRH-118	A052304	2011-12-01	2014-11-30
BIZI	Signal Analyzer	FSIQ26	8386001028	2012-11-24	2013-11-23
the electro- Mechanics Co.	Horn Antenna	3116	9510-2270	2010-10-14	2013-10-13

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

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Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

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Corrected Amplitude = Meter Reading + Antenna Factor + Cable Loss - Amplifier Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

Test Results Summary

According to the recorded data in following table, the EUT complied with the <u>FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247</u>, with the worst margin reading of:

8.75 dB at 9920.00 MHz in the Horizontal polarization

Test Data

Environmental Conditions

Temperature:	25℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa

The testing was performed by Gardon Zhang on 2013-04-08.

Test mode: Transmitting

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30 MHz-25 GHz:

Frequency	R	eceiver	Turntable	Rx Aı	ntenna		Corrected		C Part /205/209
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)		Height (m)	Polar (H/V)	Factor (dB)	Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Low Channel (2402 MHz)								
2402.00	85.80	PK	125	1.2	Н	6.13	91.93	/	/
2402.00	47.62	Ave.	125	1.2	Н	6.13	53.75	/	/
2402.00	79.95	PK	106	1.1	V	6.13	86.08	/	/
2402.00	45.70	Ave.	106	1.1	V	6.13	51.83	/	/
4804.00	32.23	Ave.	269	1.2	Н	12.40	44.63	54	9.37
9608.00	25.12	Ave.	52	1.1	Н	19.28	44.40	54	9.60
176.71	49.24	QP	176	1.2	Н	-16.0	33.24	43.5	10.26
4804.00	51.03	PK	269	1.2	Н	12.40	63.43	74	10.57
7206.00	26.03	Ave.	71	1.2	Н	17.06	43.09	54	10.91
9608.00	38.65	PK	52	1.1	Н	19.28	57.93	74	16.07
7206.00	40.52	PK	71	1.2	Н	17.06	57.58	74	16.42
2498.40	26.13	Ave.	221	1.3	Н	7.21	33.34	54	20.66
2330.60	26.84	Ave.	23	1.3	Н	5.48	32.32	54	21.68
2370.80	26.65	Ave.	85	1.3	Н	5.48	32.13	54	21.87
2498.40	41.03	PK	221	1.3	Н	7.21	48.24	74	25.76
2330.60	41.84	PK	23	1.3	Н	5.48	47.32	74	26.68
2370.80	41.60	PK	85	1.3	Н	5.48	47.08	74	26.92
	1	I	Middle (Channel	(2441M	(Hz)		ll	
2441.00	86.54	PK	26	1.2	Н	7.21	93.75	/	/
2441.00	47.46	Ave.	26	1.2	Н	7.21	54.67	/	/
2441.00	76.23	PK	81	1.3	V	7.21	83.44	/	/
2441.00	43.28	Ave.	81	1.3	V	7.21	50.49	/	/
9764.00	25.32	Ave.	15	1.3	Н	19.40	44.72	54	9.28
176.71	50.02	QP	185	1.2	Н	-16.0	34.02	43.5	9.48
4882.00	32.02	Ave.	302	1.2	Н	12.46	44.48	54	9.52
4882.00	51.83	PK	302	1.2	Н	12.46	64.29	74	9.71
7323.00	25.85	Ave.	218	1.2	Н	16.49	42.34	54	11.66
9764.00	38.96	PK	15	1.3	Н	19.40	58.36	74	15.64
7323.00	40.13	PK	218	1.2	Н	16.49	56.62	74	17.38
2491.30	26.22	Ave.	259	1.1	Н	7.21	33.43	54	20.57
2373.90	26.81	Ave.	157	1.1	Н	6.13	32.94	54	21.06
2345.50	26.92	Ave.	36	1.1	Н	5.48	32.40	54	21.60
2491.30	40.96	PK	259	1.1	Н	7.21	48.17	74	25.83
2373.90	41.07	PK	157	1.1	Н	6.13	47.20	74	26.80
2345.50	41.68	PK	36	1.1	Н	5.48	47.16	74	26.84

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Note:

- 1. Corrected Factor=Antenna factor (RX) +cable loss amplifier factor
- 2. Corrected Amplitude = Corrected Factor + Receiver Reading
- 3. Margin = Limit- Corrected Amplitude

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FCC §15.247(a) (1)-CHANNEL SEPARATION

Applicable Standard

Frequency hopping systems shall have hoping channel carrier frequencies separated by a minimum of 25 kHz or the 20dB 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 20dB 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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Test Procedure

- 1. Set the EUT in operating mode, RBW was set at 10 kHz, VBW ≥ 3RBW maxhold the channel.
- 2. Set the adjacent channel of the EUT maxhold another trace
- 3. Measure the channel separation.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
BIZI	Signal Analyzer	FSIQ26	8386001028	2012-11-24	2013-11-23

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	25℃	
Relative Humidity:	56%	
ATM Pressure:	100.0 kPa	

^{*} The testing was performed by Gardon Zhang on 2013-04-08.

Test Result: Compliance.

Please refer to following tables and plots

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Test Mode: Transmitting

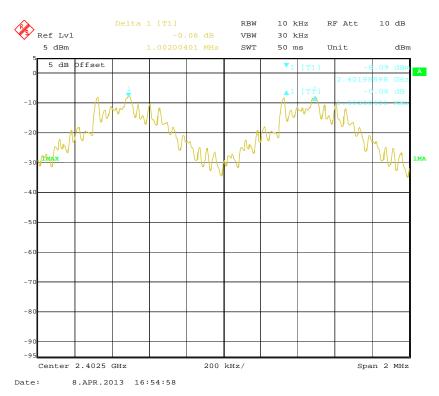
Channel	Channel Frequency (MHz)	Channel Separation (MHz)	>Limit (MHz)	Result
Low	2402	1.002	0.628	
Adjacent	2403	1.002	0.028	
Middle	2441	1.002	0.615	Pass
Adjacent	2442	1.002	0.013	1 488
High	2480	1.002	0.615	
Adjacent	2479	1.002	0.013	

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Note: limit =2/3 of 20 dB bandwidth

Please refer to the following plots.

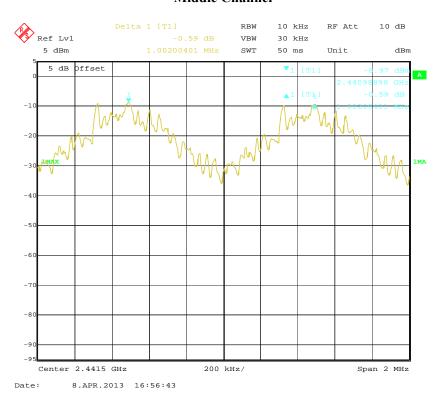
Low Channel



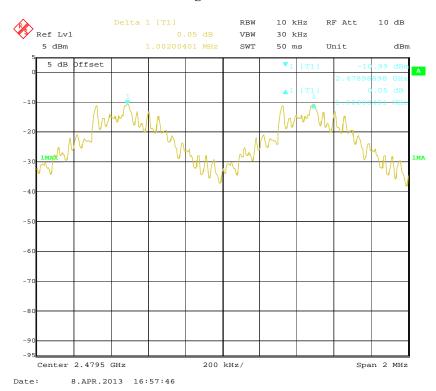
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Middle Channel

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High Channel



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FCC $\S15.247(a)$ (1) – 20 dB EMISSION BANDWIDTH

Applicable Standard

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 125mW.

Report No.: RSZ130304002-00B

Test Procedure

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2. Position the EUT on the test table without connection to measurement instrument. Turn on the EUT. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- 3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
- 4. Repeat above procedures until all frequencies measured were complete.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
BIZI	Signal Analyzer	FSIQ26	8386001028	2012-11-24	2013-11-23

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	25℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa

^{*} The testing was performed by Gardon Zhang on 2013-04-08.

Test Result: Compliance.

Please refer to following tables and plots

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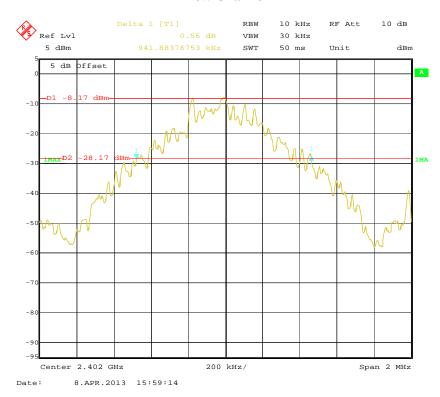
Test Mode: Transmitting

Channel	Frequency (MHz)	20 dB Emission Bandwidth (MHz)
Low	2402	0.942
Middle	2441	0.922
High	2480	0.922

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Please refer to the following plots.

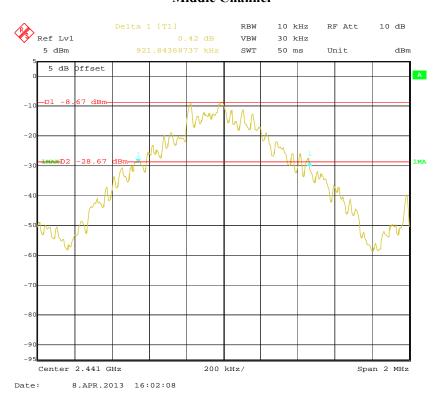
Low Channel



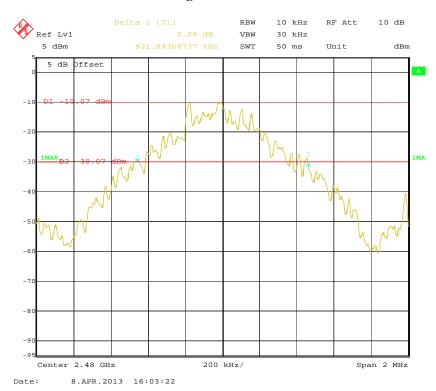
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Middle Channel

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High Channel



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FCC §15.247(a) (1) (iii)-QUANTITY OF HOPPING CHANNEL

Applicable Standard

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Report No.: RSZ130304002-00B

Test Procedure

- 1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
- 2. Set the EUT in hopping mode from first channel to last.
- 3. By using the max-hold function record the quantity of the channel.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
BIZI	Signal Analyzer	FSIQ26	8386001028	2012-11-24	2013-11-23

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	25℃	
Relative Humidity:	56%	
ATM Pressure:	100.0 kPa	

The testing was performed by Gardon Zhang on 2013-04-08.

Test Result: Compliance.

Please refer to following tables and plots

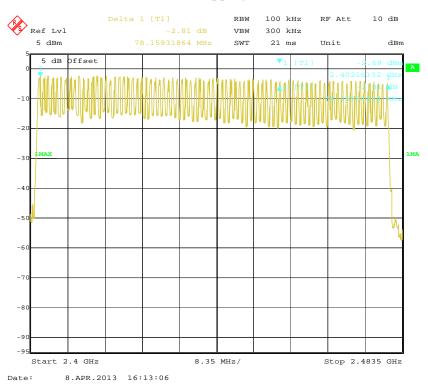
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Test Mode: Transmitting

Frequency Range (MHz)	Number of Hopping Channel	Limit
2400-2483.50	79	≥ 15

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Number of Hopping Channels



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FCC §15.247(a) (1) (iii) -TIME OF OCCUPANCY (DWELL TIME)

Applicable Standard

Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

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Test Procedure

The EUT was worked in channel hopping; spectrum span was set as 0. Sweep was set as 0.4 X channel no. (s), the quantity of pulse was get from single sweep. In addition, the time of single pulses was tested.

Dwell Time= Pulse time (ms) * hope rate/2/ number of hopping channels * hopping No.*0.4 s

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
BIZI	Signal Analyzer	FSIQ26	8386001028	2012-11-24	2013-11-23

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	25℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa

The testing was performed by Gardon Zhang on 2013-04-08.

Test Result: Compliance.

Please refer to following tables and plots

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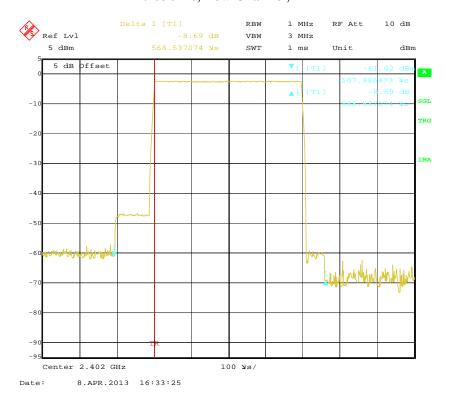
Test Mode: Transmitting

Mode	Channel	Pulse Width (ms)	Dwell Time (S)	Limit (S)	Result
	Low	0.5685	0.1819	0.4	Pass
DH 1	Middle	0.5685	0.1819	0.4	Pass
DILL	High	0.5685	0.1819	0.4	Pass
	Note:	DH1:Dwell time = P	ulse time*(1600/	2/79)*31.6S	
DH 3	Low	1.8311	0.2930	0.4	Pass
	Middle	1.8311	0.2930	0.4	Pass
	High	1.8311	0.2930	0.4	Pass
	Note:	DH3:Dwell time = P	ulse time*(1600/	4/79)*31.6S	
	Low	3.0848	0.3290	0.4	Pass
DH 5	Middle	3.0848	0.3290	0.4	Pass
DII 3	High	3.0848	0.3290	0.4	Pass
	Note:	DH5:Dwell time = P	ulse time*(1600/	6/79)*31.6S	

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Please refer to the following plots.

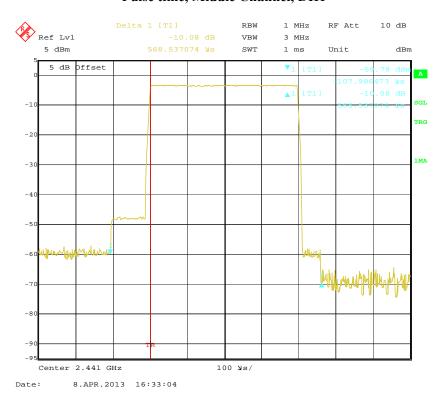
Pulse time, Low Channel, DH1



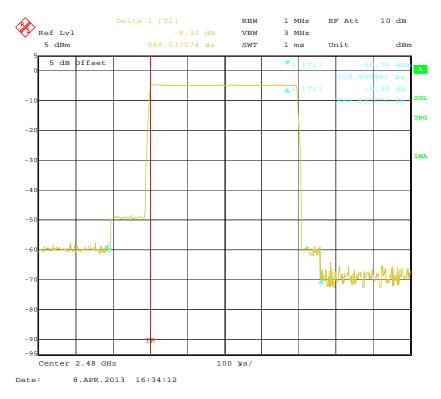
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Pulse time, Middle Channel, DH1

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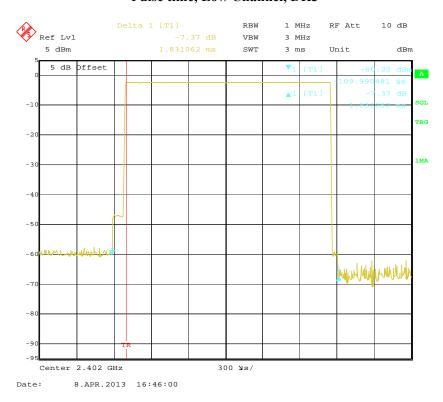
Pulse time, High Channel, DH1



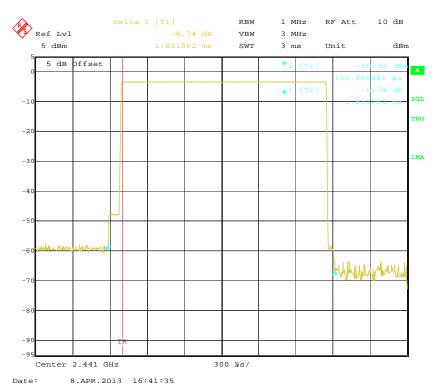
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Pulse time, Low Channel, DH3

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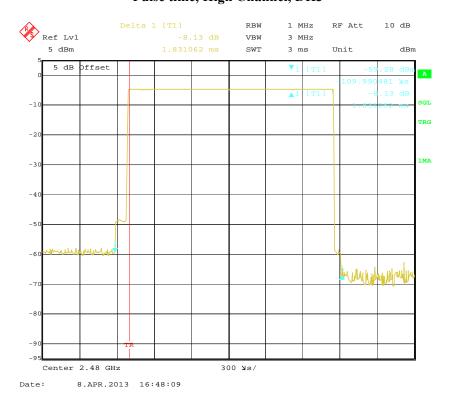
Pulse time, Middle Channel, DH3



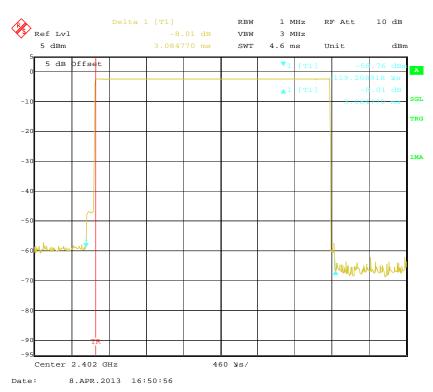
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Pulse time, High Channel, DH3

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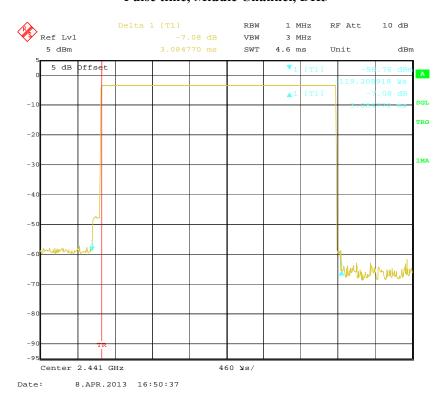
Pulse time, Low Channel, DH5



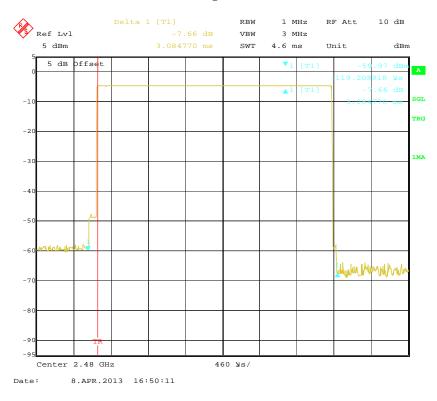
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Pulse time, Middle Channel, DH5

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Pulse time, High Channel, DH5



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FCC §15.247(b) (1) - PEAK OUTPUT POWER MEASUREMENT

Applicable Standard

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

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Test Procedure

- 1. Place the EUT on a bench 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 an EMI Test Receiver.
- 3. Add a correction factor to the display.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
BIZI	Signal Analyzer	FSIQ26	8386001028	2012-11-24	2013-11-23

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	25℃	
Relative Humidity:	56%	
ATM Pressure:	100.0 kPa	

^{*} The testing was performed by Gardon Zhang on 2013-04-08.

Test Result: Compliance.

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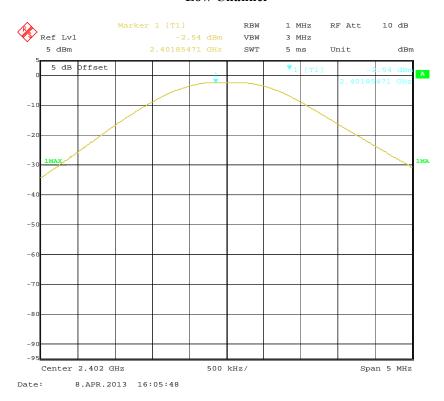
Test Mode: Transmitting

Channel	Channel frequency (MHz)	Peak output power (dBm)	Power output (mW)	Limit (mW)
Low	2402	-2.54	0.557	1000
Middle	2441	-3.42	0.455	1000
High	2480	-4.71	0.338	1000

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Note: The data above was tested in conducted mode.

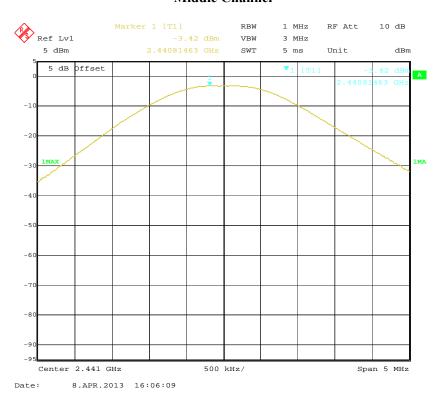
Low Channel



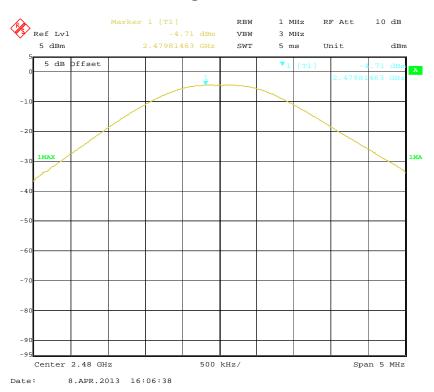
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Middle Channel

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High Channel



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FCC §15.247(d) - BAND EDGES

Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

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Test Procedure

According to FCC public notice DA 00-705 Released March 30, 2000.

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2. Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to a EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
- 3. Set RBW of spectrum analyzer to 100 kHz with a convenient frequency span including 10 MHz bandwidth from band edge.
- 4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- 5. Repeat above procedures until all measured frequencies were complete.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
BIZI	Signal Analyzer	FSIQ26	8386001028	2012-11-24	2013-11-23

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

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Test Data

Environmental Conditions

Temperature:	25 ℃
Relative Humidity:	56 %
ATM Pressure:	100.0kPa

*The testing was performed by Gardon Zhang on 2013-04-08.

Test Result: Compliance.

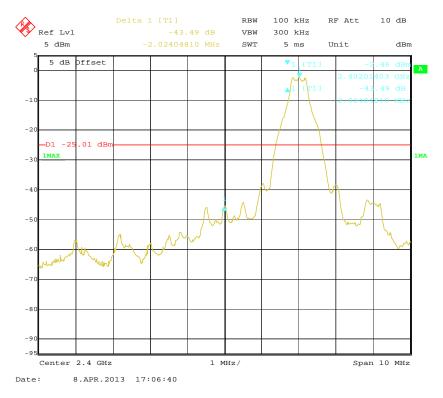
Test Mode: Transmitting

Please refer to follow plots:

Frequency Band	Delta Peak to band emission (dBc)	Limit (dBc)	Result
Left-band	43.49	≥20	Pass
Right-band	46.11	≥20	Pass

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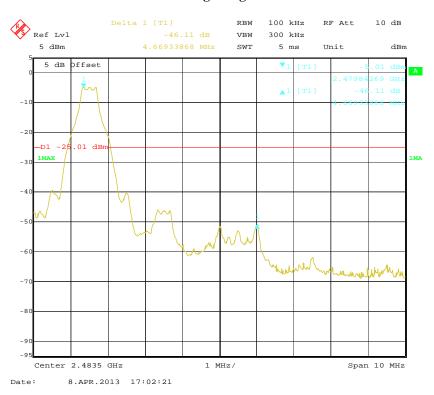
Band Edge: Left Side



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Band Edge: Right Side

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PRODUCT SIMILARITY DECLARATION LETTER



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2013-4-15

Product Similarity Declaration Letter

To Whom It May Concern,

We, Xingtel Xiamen Group Co., Ltd., hereby declare that our product iConnect A6BT DECT 6.0 Cordless with Bluetooth, the model A6BT and CL-3675BT are electrically identical, they have the same PCB layout and schematic, the only difference is the model number due to the trade names. Details as below:

Trade Name	Model
ClearSounds	A6BT
Xingtel	CL-3675BT

CL-3675BT was tested by BACL.

Please contact me if you have any question.

Signature:

Simon Liu Director

***** END OF REPORT *****

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