



# FCC PART 15.247 TEST REPORT

For

# **Teleepoch Limited**

5A, B1 Building, Digital Tech Zone, High-Tech Park (south), Nanshan district, Shenzhen, Guangdong Province, China

FCC ID: U46-C5620

Report Type: **Product Type:** Mobile Phone Original Report Brown Lu **Test Engineer:** Brown Lu **Report Number:** RSZ120210002-00BT **Report Date:** 2012-04-01 Alvin Huang **Reviewed By:** EMC Engineer **Test Laboratory:** Bay Area Compliance Laboratories Corp. (Shenzhen) 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China Tel: +86-755-33320018 Fax: +86-755-33320008 www.baclcorp.com.cn

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<sup>\*</sup> This report contains data that are not covered by the NVLAP accreditation and are marked with an asterisk "★" (Rev.2)

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#### GENERAL INFORMATION

#### **Product Description for Equipment under Test (EUT)**

The *Teleepoch Limited*'s product, model number: *C5620 (FCC ID: U46-C5620)* or the "EUT" in this report was a *Mobile Phone*, which was measured approximately:99 mm (L) x 4.86 mm (W) x 16.8 mm (H), rated input voltage: DC 3.7 V battery or DC 5V charging from adapter.

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Adapter information: Swithching adapter

Model: A26-50500

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

Output: DC 5V, 500mA

#### Frequency Range:

CDMA Cellular Band: 824-849 MHz (TX), 869-893 MHz (RX) US-PCS Band: 1850-1910 MHz (TX), 1930-1990 MHz (RX) BLOCK-G Band: 1850-1915MHz (TX), 1930-1995 MHz (RX) Bluetooth: 2402-2480 MHz (TX/RX)

#### Modulation Mode:

QPSK (cellular-CDMA Downlink, US-PCS Downlink, BLOCK-G Dwnlink), BPSK (cellular-CDMA Uplink, US-PCS Uplink, BLOCK-G Uplink) GFSK, π/4-DQPSK, 8DPSK (Bluetooth)

#### Transmitter Output Power:

CDMA Cellular Band: 24.76 dBm (Conducted output power) US-PCS Band: 23.79 dBm (Conducted output power) BLOCK-G Band: 23.72 dBm (Conducted output power) Bluetooth: 9.12 dBm (Conducted output power)

Note: The series product, model C5620, FLIP and MXC-628 are electrically identical, they have the same PCB layout and schematic, we select C5620 for fully testing, which was explained in the attached declaration letter.

\* All measurement and test data in this report was gathered from production sample serial number: W920447135000092 (Assigned by applicant). The EUT was received on 2012-02-10

#### **Objective**

This test report is prepared on behalf of *Teleepoch Limited* 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 the compliance of the EUT with FCC Part 15-Subpart C, section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

#### Related Submittal(s)/Grant(s)

FCC Part 22H/24E PCE and Part 15B JBP submission with FCC ID: U46-C5620

FCC Part15.247

#### 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 and 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 3<sup>rd</sup> Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China.

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.

Additionally, Bay Area Compliance Laboratories Corp. (Shenzhen) is an ISO/IEC 17025 accredited laboratory, and is accredited by National Voluntary Laboratory Accredited Program (Lab Code 200707-0).



The current scope of accreditations can be found at http://ts.nist.gov/Standards/scopes/2007070.htm

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### **SYSTEM TEST CONFIGURATION**

### **Description of Test Configuration**

The system was configured for testing in an engineering mode, which is controlled by Bluetooth Tester.

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### **Equipment Modifications**

No modification was made to the unit tested.

### **Local Support Equipment List and Details**

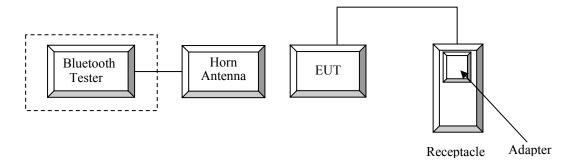
Manufacturer Description		Model	Serial Number
TESCOM	Bluetooth Tester	TC-3000B	3000B650083

#### **External I/O Cable**

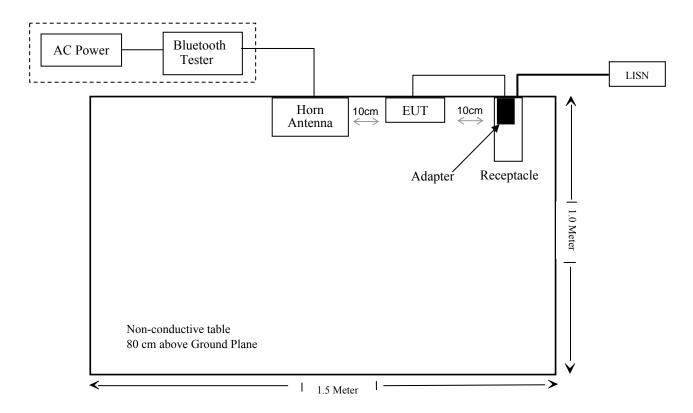
Cable Description	Length (m)	From Port	То
Unshielded Detachable DC Power Cable	1.0	EUT	Adapter

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### **Configuration of Test Setup**



### **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)	AC Line Conducted Emissions	Compliance
§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 Test	Compliance
§15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	Compliance
§15.247(a)(1)(iii)	Quantity of hopping channel Test	Compliance
§15.247(b)(1)	Peak Output Power Measurement	Compliance
§15.247(d)	Band edges	Compliance

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

#### **Applicable Standard**

According to FCC §15.247 (i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

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Table 2 - Summary of SAR Evaluation Requirements for a Cell Phone with Multiple Transmitters

	Individual Transmitter	Simultaneous Transmission
Licensed Transmitters	Routine evaluation required	SAR not required: Unlicensed only
Unlicensed Transmitters	When there is no simultaneous transmission —  o output ≤ 60/f: SAR not required  o output > 60/f: stand-alone SAR required  When there is simultaneous transmission —  Stand-alone SAR not required when  o output ≤ 2·P <sub>Ref</sub> and antenna is ≥ 5.0 cm from other antennas  o output ≤ P <sub>Ref</sub> and antenna is ≥ 2.5 cm from other antennas  o output ≤ P <sub>Ref</sub> and antenna is < 2.5 cm from other antennas  o output ≤ P <sub>Ref</sub> and antenna is < 2.5 cm from other antennas, each with either output power ≤ P <sub>Ref</sub> or 1-g SAR < 1.2 W/kg  Otherwise stand-alone SAR is required  When stand-alone SAR is required  o test SAR on highest output channel for each wireless mode and exposure condition  o if SAR for highest output channel is > 50% of SAR limit, evaluate all channels according to normal procedures	o when stand-alone 1-g SAR is not required and antenna is ≥ 5 cm from other antennas  Licensed & Unlicensed o when the sum of the 1-g SAR is < 1.6 W/kg for all simultaneous transmitting antennas o when SAR to peak location separation ratio of simultaneous transmitting antenna pair is < 0.3  SAR required:  Licensed & Unlicensed antenna pairs with SAR to peak location separation ratio ≥ 0.3; test is only required for the configuration that results in the highest SAR in stand-alone configuration for each wireless mode and exposure condition  Note: simultaneous transmission exposure conditions for head and body can be different for different style phones; therefore, different test requirements may apply
Jaw, Mouth and Nose	Flat phantom SAR required  o when measurement is required in tight regions of SAM and it is not feasible or the results can be questionable due to probe tilt, calibration, positioning and orientation issues  o position rectangular and clam-shell phones according to flat phantom procedures and conduct SAR measurements for these specific locations	When simultaneous transmission SAR testing is required, contact the FCC Laboratory for interim guidance.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

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- 1) CDMA can transmit simultaneously with Bluetooth.
- 2) The distance between BT and CDMA antenna is 7 cm < 5 cm. The max output power of Bluetooth antenna is 9.12 dBm (8.17 mW) < 2P<sub>Ref</sub> (24 mW) .According to KDB648474, stand-alone SAR is not required for BT antenna and simultaneous SAR evaluation is not required for Bluetooth and CDMA antennas.

3) P<sub>Ref</sub> is defined as the maximum conducted power available at the antenna according to source-based time-averaging requirements of Section 2.1093(d)(5).

#### **Result:**

The SAR measurement is exempt.

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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**

The EUT has an integrated antenna arranement for bluetooth, which was permanently attached and the gain was -2 dBi, fulfill the requirement of this section. Please refer to the internal photos.

Result: Compliance.

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### FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

#### **Applicable Standard**

FCC §15.207

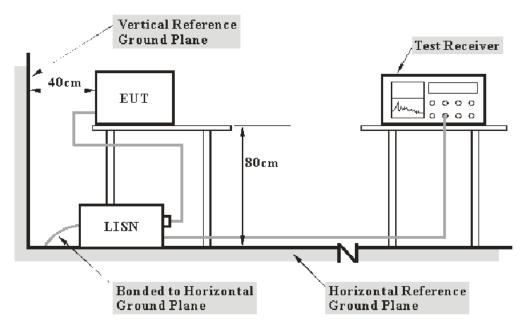
#### **Measurement Uncertainty**

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

Based on CISPR 16-4-4, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement at Bay Area Compliance Laboratory Corp. (Shenzhen) is 2.4 dB (k=2, 95% level of confidence).

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#### **EUT Setup**



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.4-2009 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The adapter was connected to a 120 VAC/60 Hz power source.

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#### **EMI Test Receiver Setup**

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

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Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

#### **Test Procedure**

During the conducted emission test, the adapter was connected to the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

#### **Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCS30	830245/006	2011-03-03	2012-03-02
Rohde & Schwarz	L.I.S.N.	ESH2-Z5	892107/021	2011-03-09	2012-03-08
Rohde & Schwarz	Pulse limiter	ESH3Z2	DE25985	2011-07-08	2012-07-07

<sup>\*</sup> **Statement of Traceability:** Bay Area Compliance Laboratory Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

#### **Test Results Summary**

According to the recorded data in following table, the EUT complied with the FCC Part 15.207, with the worst margin reading of:

#### 8.70 dB at 0.475 MHz in the Neutral conducted mode

#### **Test Data**

#### **Environmental Conditions**

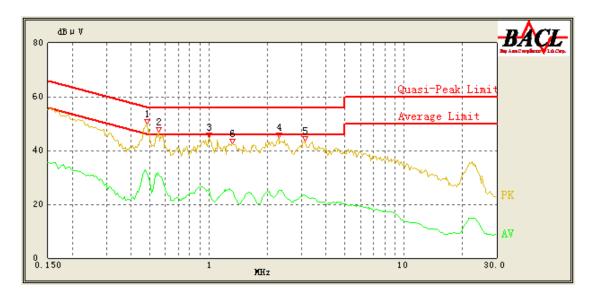
Temperature:	25 °C
Relative Humidity:	48 %
ATM Pressure:	100.0 kPa

The testing was performed by Brown Lu on 2012-02-10.

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#### Test Mode: Charging & Transmitting

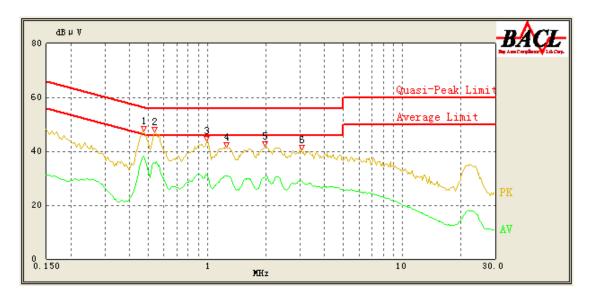
### AC 120 V, 60 Hz, Line:



Со	Conducted Emissions		FCC Part 15.207		)7
Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
0.550	31.68	9.96	46.00	14.32	Ave.
0.485	31.64	9.96	46.43	14.79	Ave.
0.485	39.63	9.96	56.43	16.80	QP
0.555	39.17	9.96	56.00	16.83	QP
2.295	25.19	9.97	46.00	20.81	Ave.
1.000	25.06	9.97	46.00	20.94	Ave.
1.325	24.83	9.97	46.00	21.17	Ave.
1.010	34.02	9.97	56.00	21.98	QP
1.330	33.62	9.97	56.00	22.38	QP
3.115	23.22	9.97	46.00	22.78	Ave.
2.295	32.02	9.97	56.00	23.98	QP
3.135	31.88	9.97	56.00	24.12	QP

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### AC 120V, 60 Hz, Neutral:



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Co	onducted Emissi	ons	FCC Part 15.207		)7
Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
0.475	38.01	9.96	46.71	8.70	Ave.
0.535	35.53	9.96	46.00	10.47	Ave.
0.475	42.91	9.96	56.71	13.80	QP
0.985	31.59	9.97	46.00	14.41	Ave.
0.540	41.29	9.96	56.00	14.71	QP
1.265	31.00	9.97	46.00	15.00	Ave.
1.960	30.26	9.97	46.00	15.74	Ave.
3.035	29.25	9.97	46.00	16.75	Ave.
0.990	38.99	9.97	56.00	17.01	QP
1.255	36.41	9.97	56.00	19.59	QP
1.985	35.98	9.97	56.00	20.02	QP
3.050	34.33	9.97	56.00	21.67	QP

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### FCC §15.205, §15.209 & §15.247(d) – RADIATED EMISSIONS

#### **Applicable Standard**

FCC §15.205; §15.209; §15.247(d)

#### **Measurement Uncertainty**

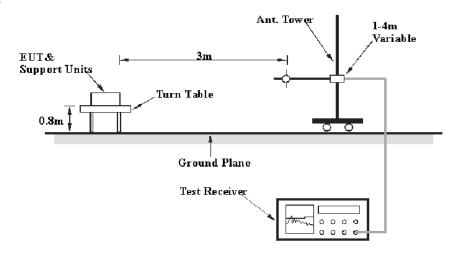
All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency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

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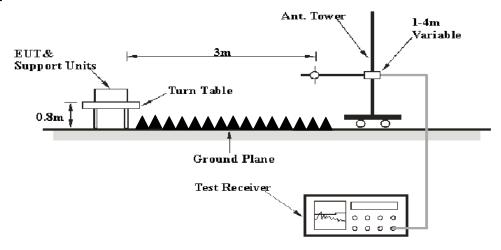
Based on CISPR 16-4-4, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement at Bay Area Compliance Laboratories Corp. (Shenzhen) is 4.0 dB. (k=2, 95% level of confidence).

#### **EUT Setup**

#### **Below 1 GHz:**



#### **Above 1 GHz:**



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

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

### **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:

Frequency Range	RBW	Video B/W	Detector
30 MHz – 1000 MHz	120 kHz	300  kHz	QP
1000 MHz – 25 GHz	1 MHz	3 MHz	PK
1000 MHz – 25 GHz	1 MHz	10 Hz	PK

#### **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 -1 GHz and peak and Average detection modes for frequencies above 1 GHz.

### **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:

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 7 dB means the emission is 7 dB below the maximum limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

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#### **Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
НР	Amplifier	HP8447D	2944A09795	2011-08-02	2012-08-02
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2011-11-11	2012-11-10
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2011-07-05	2012-07-04
Mini-Circuits	Amplifier	ZVA-213+	T-E27H	2011-03-08	2012-03-08
Sunol Sciences	Horn Antenna	DRH-118	A052604	2011-05-05	2012-05-04
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07
Agilent	Spectrum Analyzer	8564E	3943A01781	2011-04-12	2012-04-11
the electro- Mechanics Co.	Horn Antenna	3116	9510-2270	2011-05-05	2012-05-04

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### **Test Results Summary**

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

#### 15.16 dB at 4960 MHz in the Vertical polarization

#### **Test Data**

#### **Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	100 kPa

The testing was performed by Brown Lu on 2012-02-14.

Test mode: Transmitting

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<sup>\*</sup> **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

30 MHz ~25 GHz:

Frequency	S.A.	Detector	Direction	Tes	t Anten	na	Cable	Pre-Amp.	Cord.	FCC F	Part 15.2	47/205/209
(MHz)	Reading (dBµV)	(PK/QP/Ave)	(Degree)	Height (m)		Factor (dB/m)	Loss (dB)	Gain (dB)	$\begin{array}{c} Amp.\\ (dB\mu V/m) \end{array}$	Limit (dBµV/m)	Margin (dB)	Comment
				Lo	w Cha	nnel (24	102 MHz	<u>z)</u>				
2402	70.32	PK	128	1.2	Н	30.5	3.03	0	103.85	/	/	fundamental
2402	62.15	Ave.	128	1.2	Н	30.5	3.03	0	95.68	/	/	fundamental
2402	74.58	PK	316	1.1	V	30.5	3.03	0	108.11	/	/	fundamental
2402	61.82	Ave.	316	1.1	V	30.5	3.03	0	95.35	/	/	fundamental
4804	25.35	Ave.	280	1.8	V	31.2	4.28	26.73	34.10	54	19.90	harmonic
5542	20.17	Ave.	160	1.8	V	35.9	4.61	26.75	33.93	54	20.07	spurious
5536	19.08	Ave.	250	2.1	Н	36.7	4.61	26.75	33.64	54	20.36	spurious
4804	24.48	Ave.	150	1.6	Н	31.2	4.28	26.73	33.23	54	20.77	harmonic
4804	40.21	PK	280	1.8	V	31.2	4.28	26.73	48.96	74	25.04	harmonic
2375.4	21.59	Ave.	0	1.6	V	27.5	3.01	26.84	25.26	54	28.74	spurious
2382.4	21.38	Ave.	250	1.5	Н	27.5	3.01	26.84	25.05	54	28.95	spurious
2389.1	21.18	Ave.	128	1.3	Н	27.5	3.01	26.84	24.85	54	29.15	spurious
4804	35.82	PK	150	1.6	Н	31.2	4.28	26.73	44.57	74	29.43	harmonic
5536	28.64	PK	250	2.1	Н	36.7	4.61	26.75	43.20	74	30.80	spurious
5542	29.11	PK	160	1.8	V	35.9	4.61	26.75	42.87	74	31.13	spurious
2375.4	32.67	PK	0	1.6	V	27.5	3.01	26.84	36.34	74	37.66	spurious
2382.4	30.59	PK	250	1.5	Н	27.5	3.01	26.84	34.26	74	39.74	spurious
2389.1	30.56	PK	128	1.3	Н	27.5	3.01	26.84	34.23	74	39.77	spurious
				Mid	dle Ch	annel (2	2441 MI	Hz)				
2441	69.82	PK	182	1.2	Н	30.6	3.04	0	103.46	/	/	fundamental
2441	62.43	Ave.	182	1.2	Н	30.6	3.04	0	96.07	/	/	fundamental
2441	74.26	PK	92	1	V	30.6	3.04	0	107.90	/	/	fundamental
2441	61.46	Ave.	92	1	V	30.6	3.04	0	95.10	/	/	fundamental
4882	28.58	Ave.	189	1.3	V	31.7	4.37	26.75	37.90	54	16.10	harmonic
4882	25.68	Ave.	360	2.1	Н	31.7	4.37	26.75	35.00	54	19.00	harmonic
4882	41.17	PK	189	1.3	V	31.7	4.37	26.75	50.49	74	23.51	harmonic
3367	20.13	Ave.	160	1.6	Н	32.5	3.57	26.88	29.32	54	24.68	spurious
3381	20.07	Ave.	210	1.8	V	31.6	3.57	26.88	28.36	54	25.64	spurious
4882	37.64	PK	360	2.1	Н	31.7	4.37	26.75	46.96	74	27.04	harmonic
3367	30.19	PK	160	1.6	Н	32.5	3.57	26.88	39.38	74	34.62	spurious
3381	29.73	PK	210	1.8	V	31.6	3.57	26.88	38.02	74	35.98	spurious

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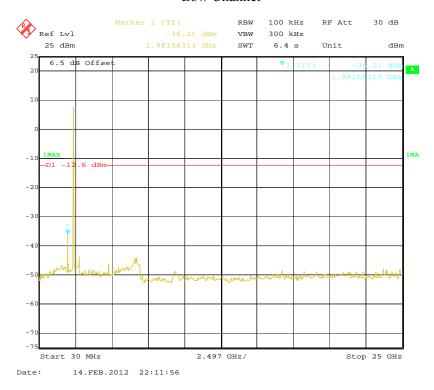
Frequency	S.A.	Detector	Direction	Tes	t Anten	na	Cable	Pre-Amp.	Cord.	FCC F	art 15.2	47/205/209
(MHz)	Reading (dBµV)	(PK/QP/Ave)		Height (m)		Factor (dB/m)	Loss (dB)	Gain (dB)	Amp. (dBμV/m)	Limit (dBµV/m)	Margin (dB)	Comment
				Hiş	gh Cha	nnel (2	480 MH	z)				
2480	70.59	PK	90	1.2	Н	30.6	3.04	0	104.23	/	/	fundamental
2480	62.35	Ave.	90	1.2	Н	30.6	3.04	0	95.99	/	/	fundamental
2480	75.46	PK	156	1.1	V	30.6	3.04	0	109.10	/	/	fundamental
2480	61.83	Ave.	156	1.1	V	30.6	3.04	0	95.47	/	/	fundamental
4960	29.12	Ave.	0	1.5	V	32.1	4.37	26.75	38.84	54	15.16	harmonic
4960	23.87	Ave.	234	1.7	Н	32.1	4.37	26.75	33.59	54	20.41	harmonic
4960	41.14	PK	0	1.5	V	32.1	4.37	26.75	50.86	74	23.14	harmonic
2923	19.42	Ave.	160	1.6	Н	31.9	3.34	26.83	27.83	54	26.17	spurious
2974	19.55	Ave.	250	1.9	V	31	3.37	26.83	27.09	54	26.91	spurious
2489.2	22.26	Ave.	342	2.1	V	27.9	3.15	26.85	26.46	54	27.54	spurious
4960	36.12	PK	234	1.7	Н	32.1	4.37	26.75	45.84	74	28.16	harmonic
2483.6	20.75	Ave.	165	1.8	Н	27.9	3.15	26.85	24.95	54	29.05	spurious
2923	30.26	PK	160	1.6	Н	31.9	3.34	26.83	38.67	74	35.33	spurious
2974	28.67	PK	250	1.9	V	31	3.37	26.83	36.21	74	37.79	spurious
2489.2	31.37	PK	342	2.1	V	27.9	3.15	26.85	35.57	74	38.43	spurious
2483.6	30.98	PK	165	1.8	Н	27.9	3.15	26.85	35.18	74	38.82	spurious

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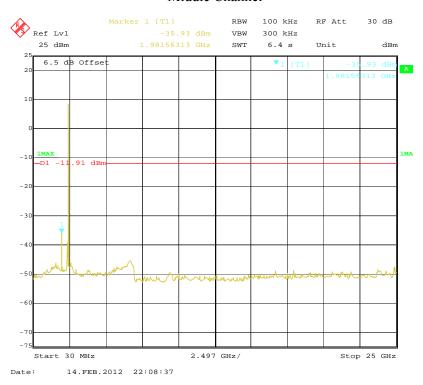
#### **Spurious Emission at Antenna Terminals**

### Please refer to the following plots:

#### Low Channel

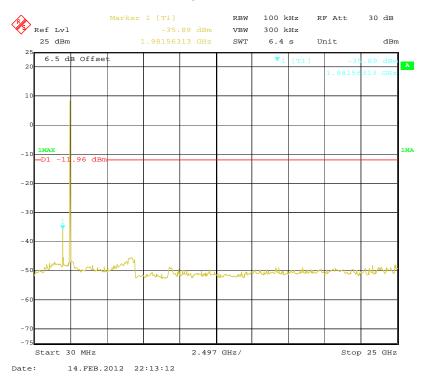


#### Middle Channel



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### High Channel



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### FCC §15.247(a) (1)-CHANNEL SEPARATION TEST

#### **Applicable Standard**

Frequency hopping systems shall have hoping 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.

Report No.: RSZ120210002-00BT

#### **Test Procedure**

- 1. Set the EUT in transmitting mode, spectrum Bandwidth was set at 100 kHz, maxhold the channel.
- 2. Set the adjacent channel of the EUT maxhold another truce
- 3. Measure the channel separation.

### **Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2011-11-11	2012-11-10
TESCOM	Bluetooth Tester	TC-3000B	3000B650083	2011-12-07	2012-12-06

<sup>\*</sup> **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

#### **Test Data**

#### **Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	100 kPa

<sup>\*</sup> The testing was performed by Brown Lu on 2012-02-14 and 2012-02-16

Test Result: Compliance.

Please refer to following tables and plots

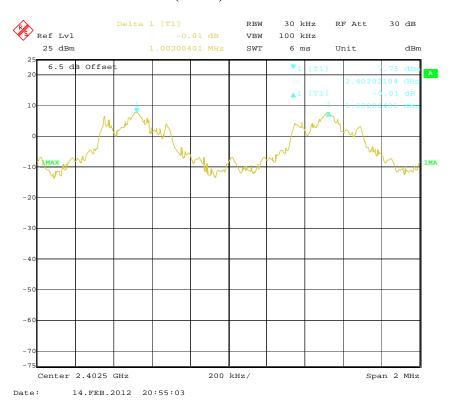
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Mode	Channel	Frequency (MHz)	Channel Separation (MHz)	Limit (MHz)	Result
	Low	2402	1.002	0.689	Pass
	Adjacent	2403	1.002	0.089	rass
BDR	Middle	2441	1.002	0.695	Pass
(GFSK)	Adjacent	2442	1.002	0.093	Pass
	High	2480	1.002	0.689	Pass
	Adjacent	2479	1.002	0.089	Pass
	Low	2402	1.012	0.829	Pass
	Adjacent	2403	1.012	0.027	rass
EDR	Middle	2441	1.000	0.824	Pass
$(\pi/4\text{-DQPSK})$	Adjacent	2442	1.000		rass
	High	2480	1.000	0.859	Pass
	Adjacent	2479	1.000	0.839	Pass
	Low	2402	1.000	0.853	Pass
	Adjacent	2403	1.000	0.855	Pass
EDR	Middle	2441	1.000	0.853	Daga
(8DPSK)	Adjacent	2442	1.000	0.833	Pass
	High	2480	1.004	0.856	Pass
	Adjacent	2479	1.004	0.830	rass

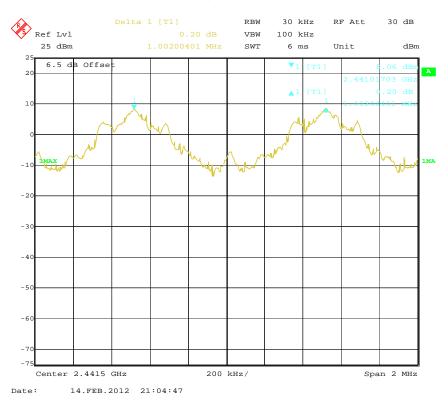
Note: Limit = 20 dB bandwidth \*2/3

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#### BDR (GFSK): Low Channel

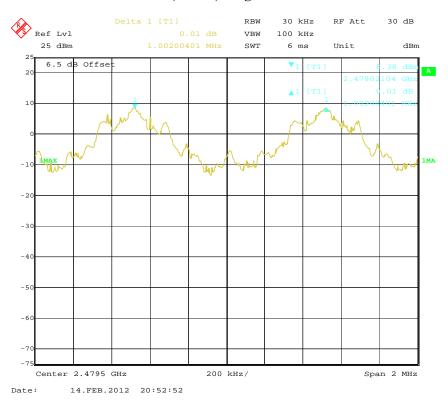


### BDR (GFSK): Middle Channel

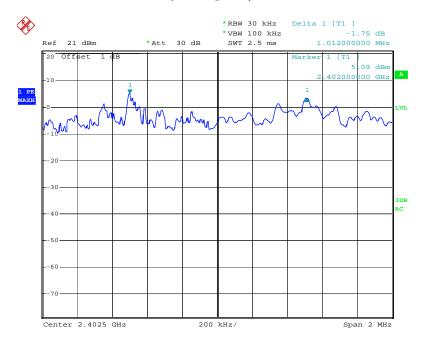


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#### BDR (GFSK): High Channel



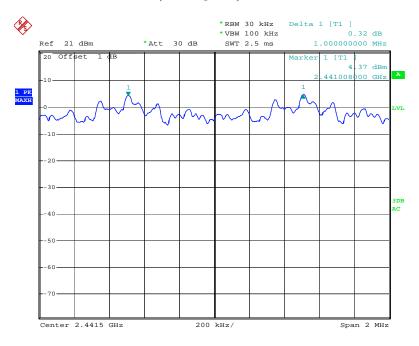
### EDR ( $\pi$ /4-DQPSK): Low Channel



Date: 16.FEB.2012 18:33:05

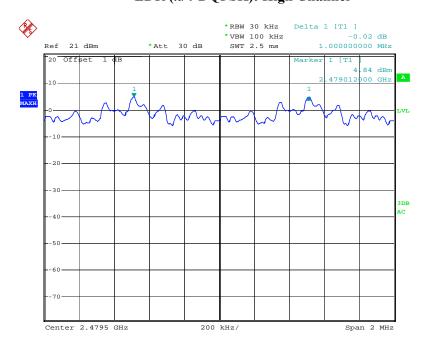
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### EDR (π/4-DQPSK): Middle Channel



Date: 16.FEB.2012 18:34:45

#### EDR ( $\pi/4$ -DQPSK): High Channel

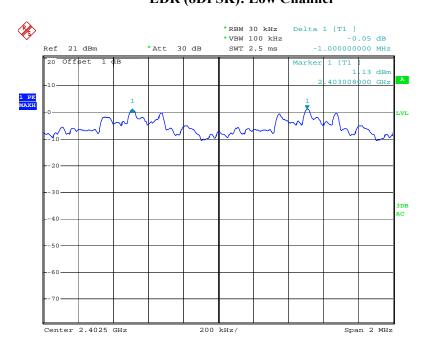


Date: 16.FEB.2012 18:38:02

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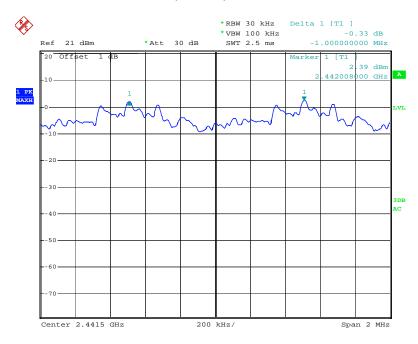
## EDR (8DPSK): Low Channel

Report No.: RSZ120210002-00BT



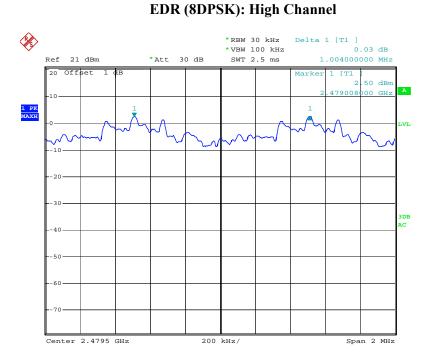
Date: 16.FEB.2012 19:26:50

#### EDR (8DPSK): Middle Channel



Date: 16.FEB.2012 19:29:28

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Date: 16.FEB.2012 19:30:20

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### FCC §15.247(a) (1) – 20 dB EMISSION BANDWIDTH TESTING

#### **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 125 mW.

Report No.: RSZ120210002-00BT

#### **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 without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. 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
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2011-11-11	2012-11-10
TESCOM	Bluetooth Tester	TC-3000B	3000B650083	2011-12-07	2012-12-06

<sup>\*</sup> **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

#### **Test Data**

#### **Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	100 kPa

<sup>\*</sup> The testing was performed by Brown Lu on 2012-02-14 and 2012-02-16.

Test Result: Compliance.

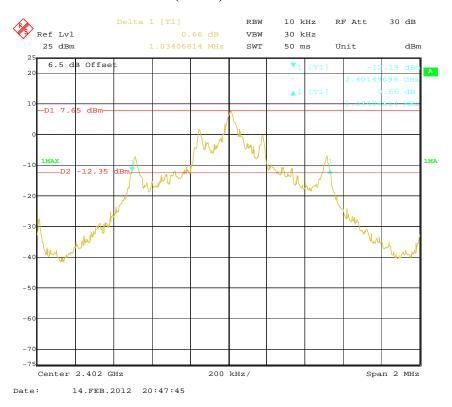
Please refer to following tables and plots

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Test Mode: Transmitting

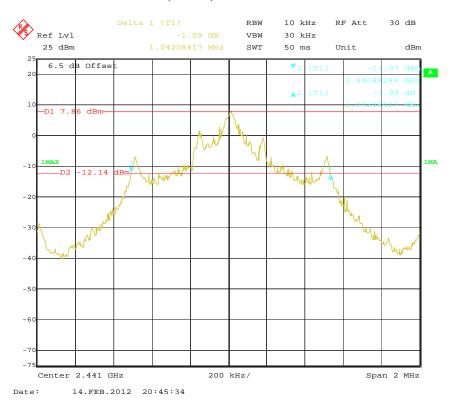
Mode	Channel	Frequency (MHz)	20 dB Bandwidth (MHz)
	Low	2402	1.034
BDR (GFSK)	Middle	2441	1.042
(= )	High	2480	1.034
	Low	2402	1.244
EDR (π/4-DQPSK)	Middle	2441	1.236
(1.1.2 (1.5.12)	High	2480	1.288
	Low	2402	1.280
EDR (8DPSK)	Middle	2441	1.280
(3= 2 812)	High	2480	1.284

#### BDR (GFSK): Low Channel

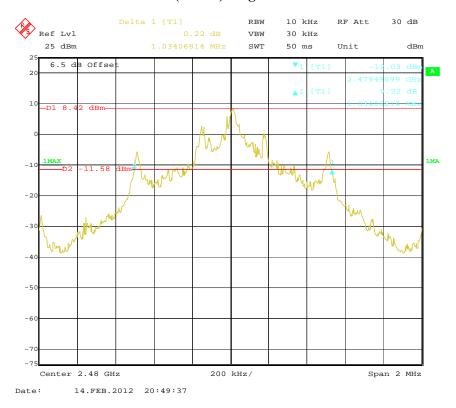


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### **BDR (GFSK): Middle Channel**



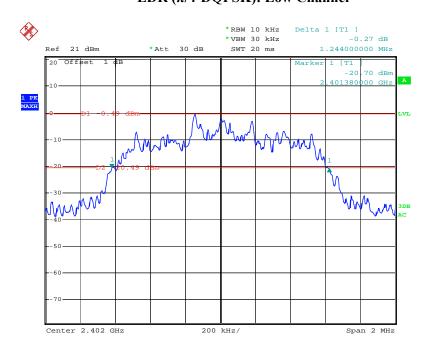
### BDR (GFSK): High Channel



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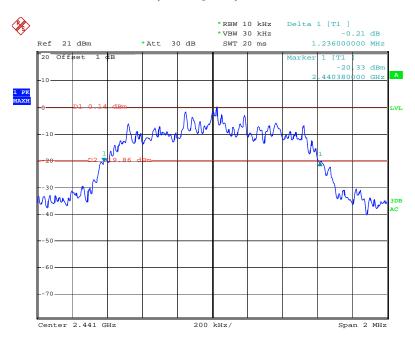
# EDR ( $\pi/4$ -DQPSK): Low Channel

Report No.: RSZ120210002-00BT



Date: 16.FEB.2012 18:17:49

#### EDR (π/4-DQPSK): Middle Channel

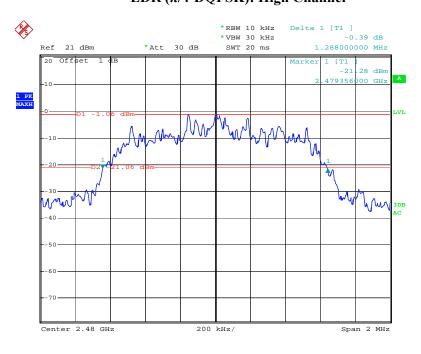


Date: 16.FEB.2012 18:13:33

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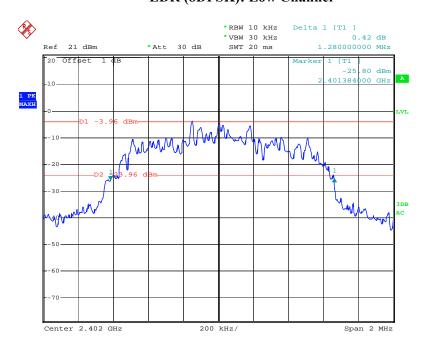
### EDR ( $\pi/4$ -DQPSK): High Channel

Report No.: RSZ120210002-00BT



Date: 16.FEB.2012 18:07:18

#### EDR (8DPSK): Low Channel

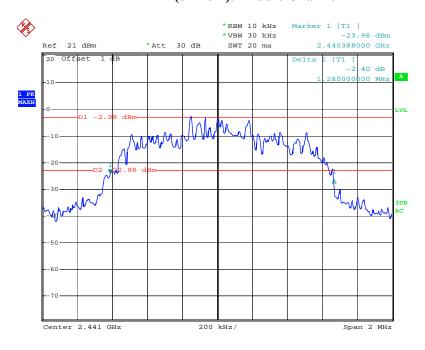


Date: 16.FEB.2012 19:21:14

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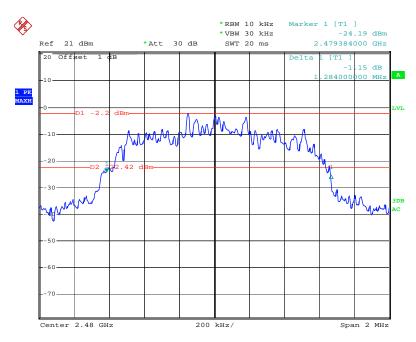
### EDR (8DPSK): Middle Channel

Report No.: RSZ120210002-00BT



Date: 16.FEB.2012 19:14:10

### EDR (8DPSK): High Channel



Date: 16.FEB.2012 19:08:00

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

#### **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.: RSZ120210002-00BT

#### **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
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2011-11-11	2012-11-10
TESCOM	Bluetooth Tester	TC-3000B	3000B650083	2011-12-07	2012-12-06

<sup>\*</sup> **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

#### **Test Data**

#### **Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	100 kPa

The testing was performed by Brown Lu on 2012-02-14 and 2012-02-16.

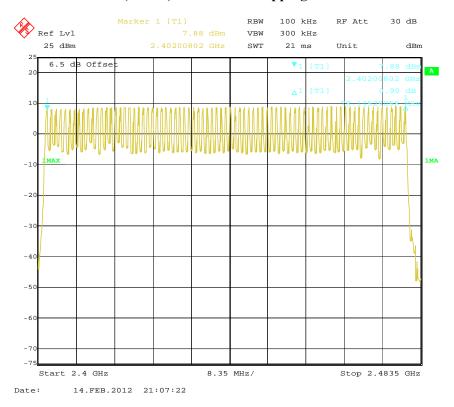
**Test Result:** Compliance.

Please refer to following table and plots

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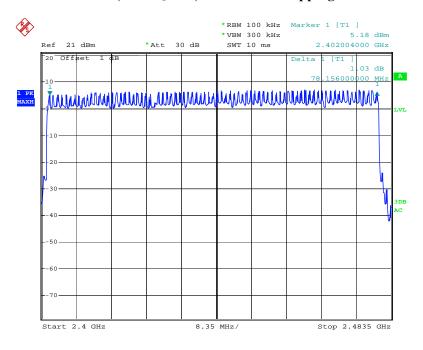
Mode	Frequency Range (MHz)	Number of Hopping Channel (CH)	Limit (CH)
BDR (GFSK)	2400-2483.50	79	≥15
EDR (π/4-DQPSK)	2400-2483.50	79	≥15
EDR (8DPSK)	2400-2483.50	79	≥15

# **BDR (GFSK): Number of Hopping Channels**



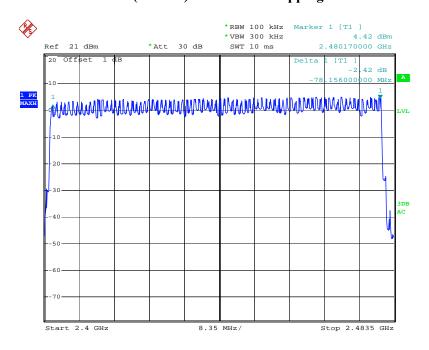
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EDR ( $\pi/4$ -DQPSK): Number of Hopping Channels



Date: 16.FEB.2012 18:24:06

# **EDR (8DPSK): Number of Hopping Channels**



Date: 16.FEB.2012 19:01:11

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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.

Report No.: RSZ120210002-00BT

#### **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\*hope rate/number of hopping channels\*31.6S Hop rate=1600/S

## **Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2011-11-11	2012-11-10
TESCOM	Bluetooth Tester	TC-3000B	3000B650083	2011-12-07	2012-12-06

<sup>\*</sup> Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

#### **Test Data**

#### **Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	100 kPa

<sup>\*</sup> The testing was performed by Brown Lu on 2012-02-14 and 2012-02-16.

Test Result: Compliance.

Please refer to following table and plots

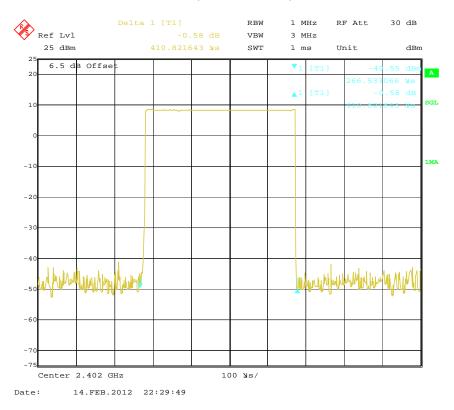
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Mode		Channel	Pulse Width (ms)	Dwell Time (S)	Limit (S)	Result
		Low	0.410	0.131	0.4	Pass
	DH 1	Middle	0.404	0.129	0.4	Pass
	DII I	High	0.404	0.129	0.4	Pass
		Note: 1	DH1:Dwell time = P	ulse time*(1600/	2/79)*31.6S	
		Low	1.685	0.270	0.4	Pass
BDR	DH 3	Middle	1.667	0.267	0.4	Pass
(GFSK)	DIIS	High	1.667	0.267	0.4	Pass
		Note: 1	DH3:Dwell time = P	ulse time*(1600/	4/79)*31.6S	
		Low	2.930	0.313	0.4	Pass
	DH 5	Middle	2.940	0.314	0.4	Pass
	DH 3	High	2.950	0.315	0.4	Pass
		Note: 1	DH5:Dwell time = P	ulse time*(1600/	6/79)*31.6S	
		Low	0.424	0.137	0.4	Pass
	DII 1	Middle	0.420	0.134	0.4	Pass
	DH 1	High	0.420	0.134	0.4	Pass
		Note: DH1:Dwell time = Pulse time*(1600/2/79)*31.6S				
	DH 3	Low	1.686	0.270	0.4	Pass
EDR		Middle	1.676	0.268	0.4	Pass
(π/4-DQPSK)	DH 3	High	1.676	0.268	0.4	Pass
		Note: 1	4/79)*31.6S			
		Low	2.934	0.313	0.4	Pass
	DH 5	Middle	2.934	0.313	0.4	Pass
	DH 3	High	2.934	0.313	0.4	Pass
		Note: 1	DH5:Dwell time = P	ulse time*(1600/	6/79)*31.6S	
		Low	0.416	0.133	0.4	Pass
	DH 1	Middle	0.416	0.133	0.4	Pass
	DH 1	High	0.416	0.133	0.4	Pass
		Note: DH1:Dwell time = Pulse time*(1600/2/79)*31.6S				
		Low	1.686	0.270	0.4	Pass
EDR	DII 2	Middle	1.686 0.270	0.4	Pass	
(8DPSK)	DH 3	High	1.686	0.270	0.4	Pass
		Note: 1	DH3:Dwell time = P	ulse time*(1600/-	4/79)*31.6S	
		Low	2.950	0.315	0.4	Pass
	DU #	Middle	2.950	0.315	0.4	Pass
	DH 5	High	2.950	0.315	0.4	Pass
		Note: 1	DH5:Dwell time = P	ulse time*(1600/	6/79)*31.6S	

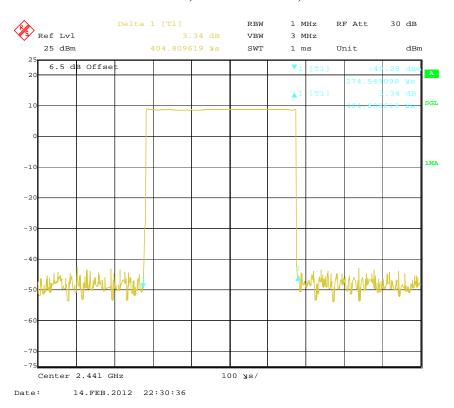
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# BDR (GFSK):

# Pulse time, Low Channel, DH1

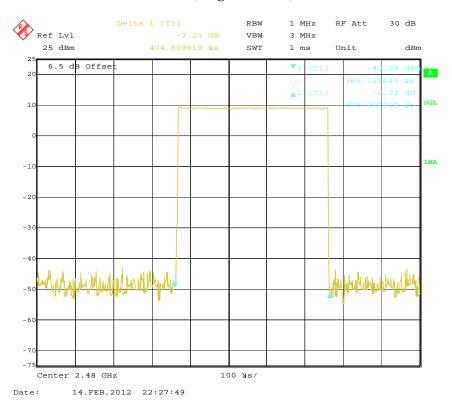


# Pulse time, Middle Channel, DH1

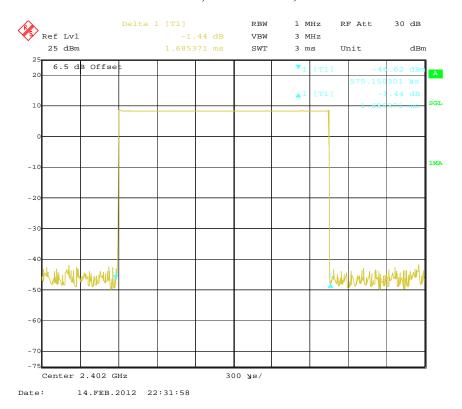


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## Pulse time, High Channel, DH1

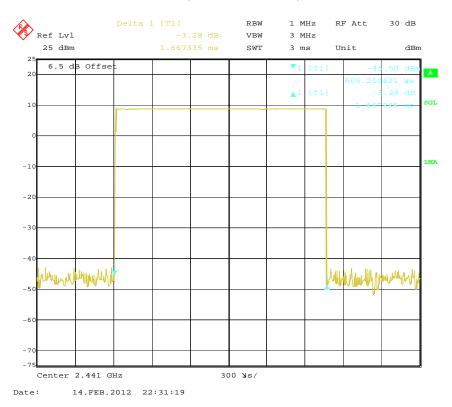


#### Pulse time, Low Channel, DH3

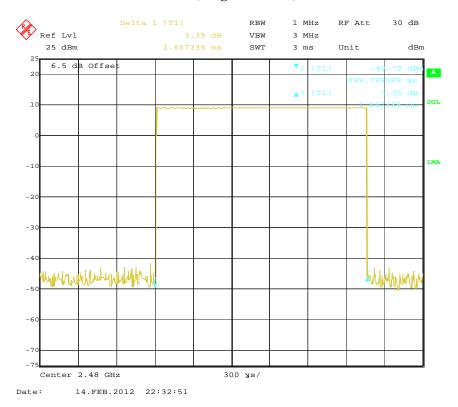


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#### Pulse time, Middle Channel, DH3

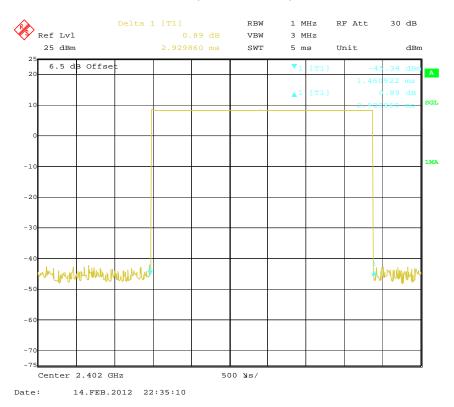


#### Pulse time, High Channel, DH3

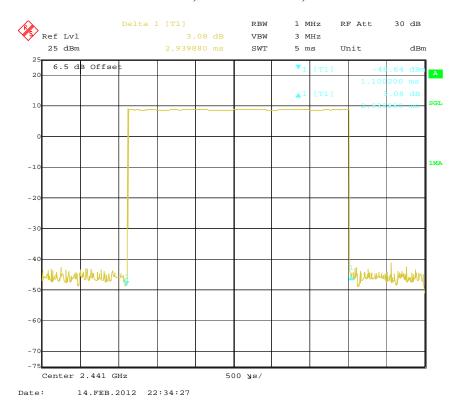


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#### Pulse time, Low Channel, DH5

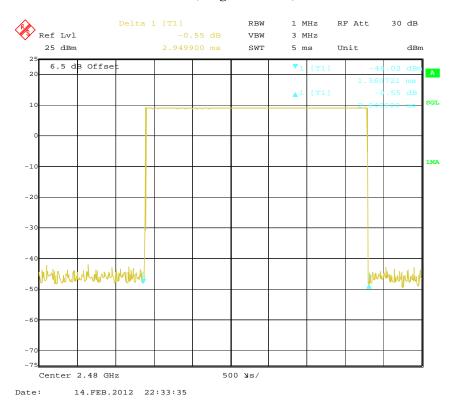


# Pulse time, Middle Channel, DH5



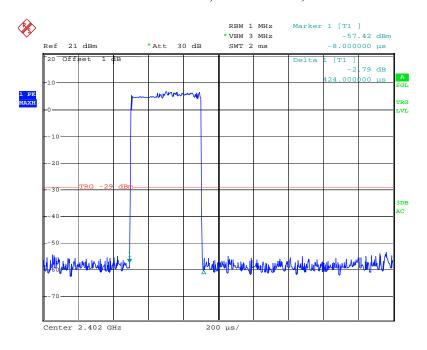
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## Pulse time, High Channel, DH5



#### EDR ( $\pi/4$ -DQPSK):

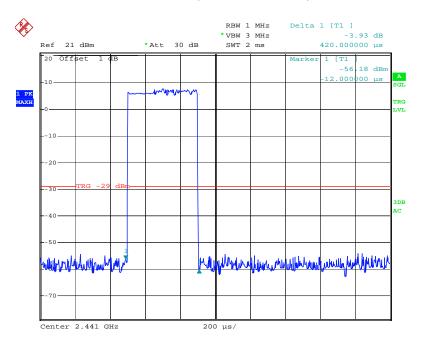
# Pulse time, Low Channel, DH1



Date: 16.FEB.2012 18:41:45

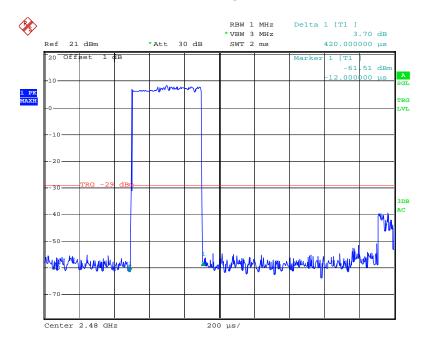
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#### Pulse time, Middle Channel, DH1



Date: 16.FEB.2012 18:41:01

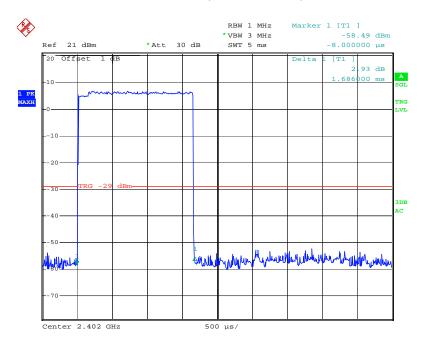
# Pulse time, High Channel, DH1



Date: 16.FEB.2012 18:40:31

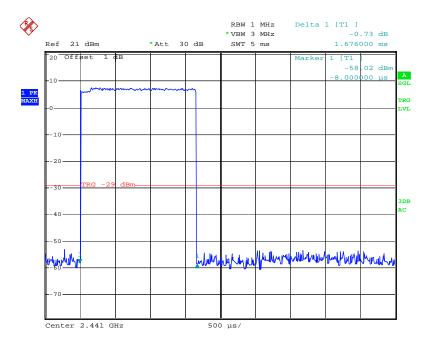
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#### Pulse time, Low Channel, DH3



Date: 16.FEB.2012 18:47:28

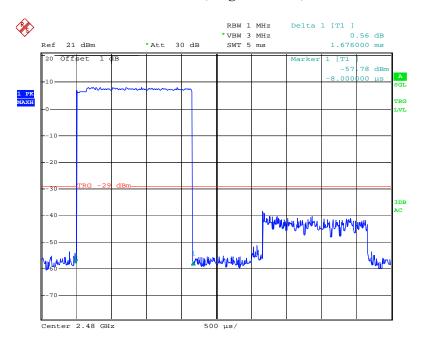
# Pulse time, Middle Channel, DH3



Date: 16.FEB.2012 18:46:23

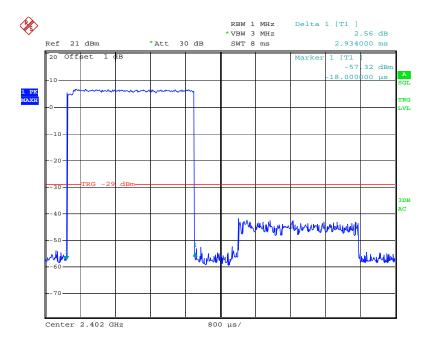
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#### Pulse time, High Channel, DH3



Date: 16.FEB.2012 18:46:01

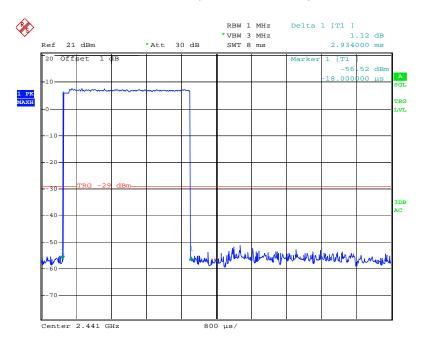
#### Pulse time, Low Channel, DH5



Date: 16.FEB.2012 18:51:47

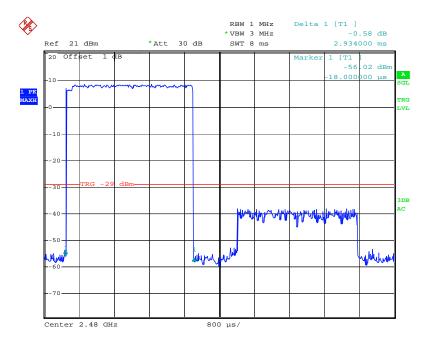
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#### Pulse time, Middle Channel, DH5



Date: 16.FEB.2012 18:51:21

# Pulse time, High Channel, DH5

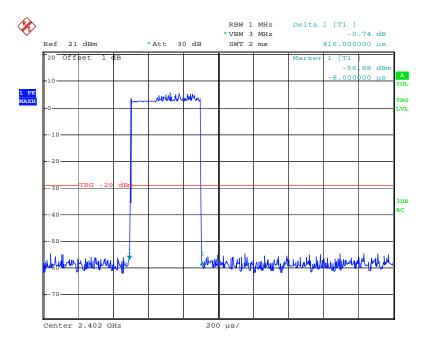


Date: 16.FEB.2012 18:50:33

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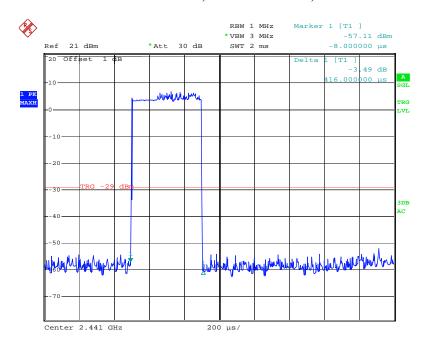
#### EDR (8DPSK):

# Pulse time, Low Channel, DH1



Date: 16.FEB.2012 18:43:40

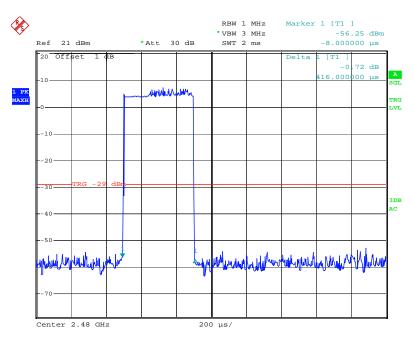
# Pulse time, Middle Channel, DH1



Date: 16.FEB.2012 18:44:16

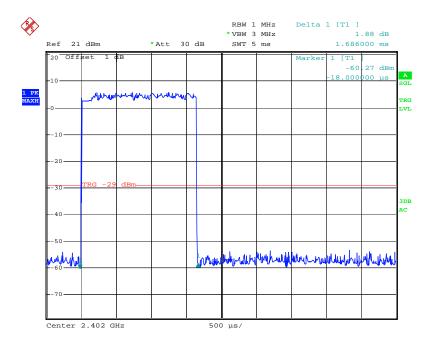
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# Pulse time, High Channel, DH1



Date: 16.FEB.2012 18:44:56

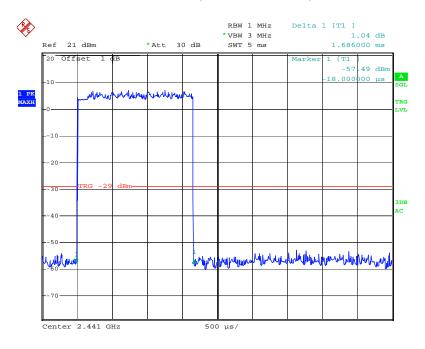
# Pulse time, Low Channel, DH3



Date: 16.FEB.2012 18:48:24

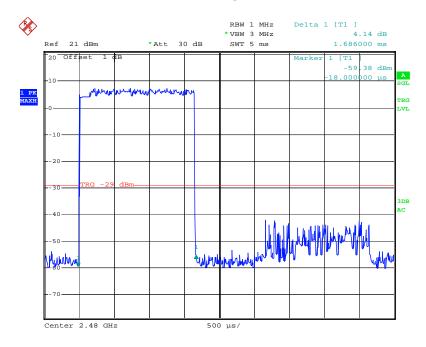
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#### Pulse time, Middle Channel, DH3



Date: 16.FEB.2012 18:48:51

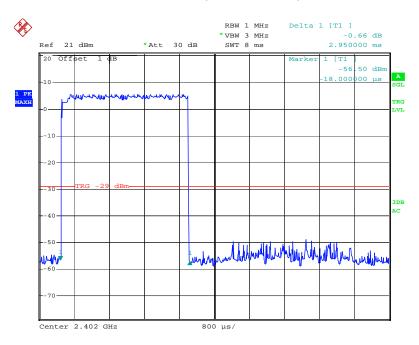
# Pulse time, High Channel, DH3



Date: 16.FEB.2012 18:49:16

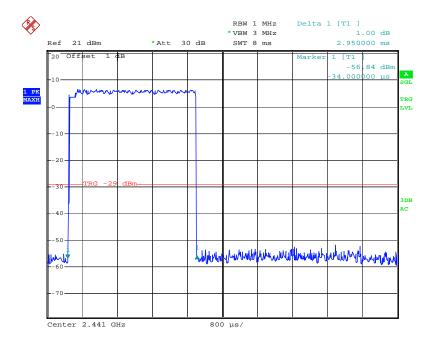
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#### Pulse time, Low Channel, DH5



Date: 16.FEB.2012 18:54:48

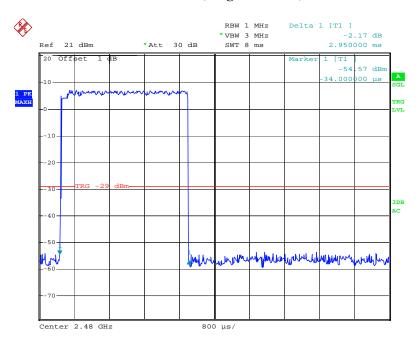
# Pulse time, Middle Channel, DH5



Date: 16.FEB.2012 18:55:42

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# Pulse time, High Channel, DH5



Date: 16.FEB.2012 18:56:41

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

## **Applicable Standard**

According to FCC §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. And for all other frequency hopping systems in the 2400–2483.50 MHz band: 0.125 watts.

Report No.: RSZ120210002-00BT

#### **Test Procedure**

- 1. Place the EUT on a bench and set 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
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2011-11-11	2012-11-10
TESCOM	Bluetooth Tester	TC-3000B	3000B650083	2011-12-07	2012-12-06

<sup>\*</sup> **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

#### **Test Data**

#### **Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	100 kPa

<sup>\*</sup> The testing was performed by Brown Lu on 2012-02-14 and 2012-02-16

Test Result: Compliance.

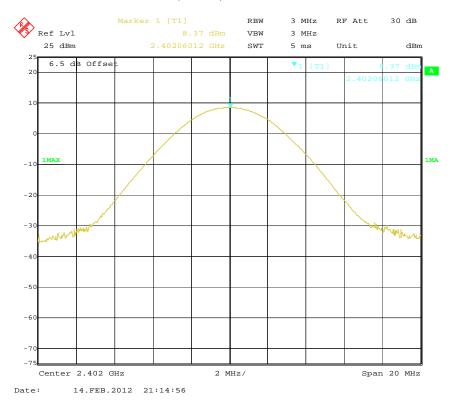
Please refer to following table and plots

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Test Mode: Transmitting

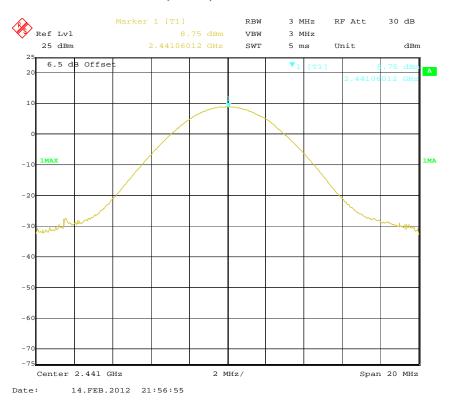
Mode	Channel	Frequency	Conducted Output Power		Limit
		(MHz)	(dBm)	(mW)	(mW)
	Low	2402	8.37	6.87	1000
BDR (GFSK)	Middle	2441	8.75	7.50	1000
(32.32)	High	2480	9.12	8.17	1000
	Low	2402	7.60	5.75	1000
EDR (π/4-DQPSK)	Middle	2441	8.46	7.01	1000
(MIDQISIL)	High	2480	9.07	8.07	1000
	Low	2402	6.59	4.56	1000
EDR (8DPSK)	Middle	2441	7.63	5.79	1000
(odi sk)	High	2480	8.21	6.62	1000

# BDR (GFSK): Low Channel

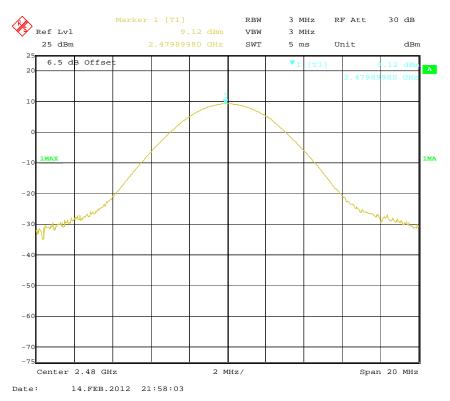


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# **BDR (GFSK): Middle Channel**

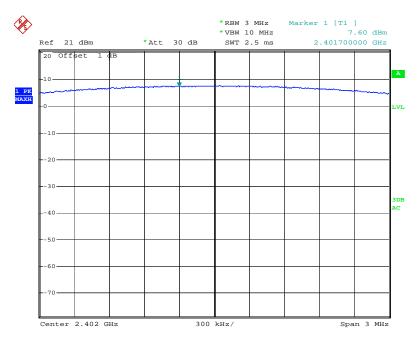


# BDR (GFSK): High Chanel



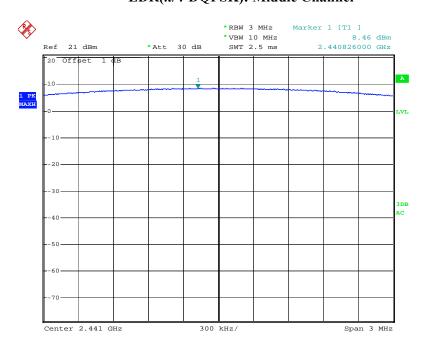
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# EDR( $\pi/4$ -DQPSK): Low Channel



Date: 16.FEB.2012 18:16:17

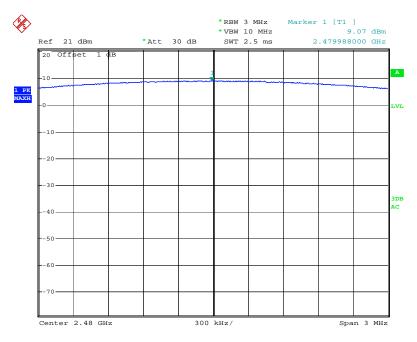
# EDR(π/4-DQPSK): Middle Channel



Date: 16.FEB.2012 18:14:28

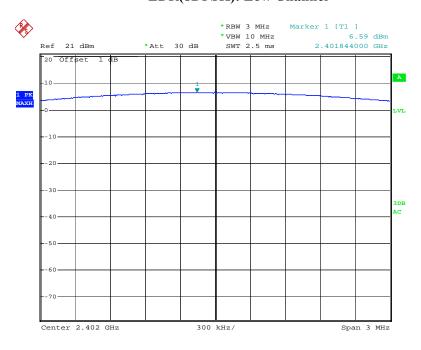
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# EDR( $\pi/4$ -DQPSK): High Chanel



Date: 16.FEB.2012 18:08:19

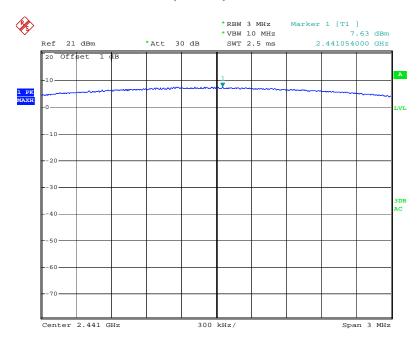
# EDR(8DPSK): Low Channel



Date: 16.FEB.2012 19:18:07

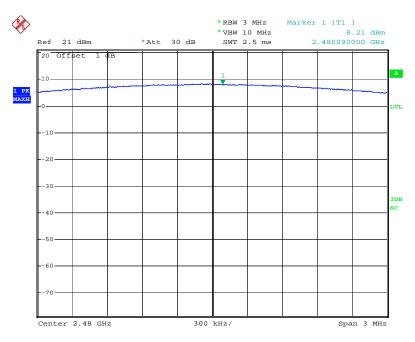
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# EDR(8DPSK): Middle Channel



Date: 16.FEB.2012 19:15:09

# EDR(8DPSK): High Chanel



Date: 16.FEB.2012 19:09:18

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# FCC §15.247(d) - BAND EDGES TESTING

## **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)).

Report No.: RSZ120210002-00BT

#### **Test Procedure**

- 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 both RBW and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge, for Radiated emissions restricted band RBW=1 MHz, VBW=3 MHz.
- 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
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2011-11-11	2012-11-10
TESCOM	Bluetooth Tester	TC-3000B	3000B650083	2011-12-07	2012-12-06

<sup>\*</sup> **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

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# **Test Data**

#### **Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	100 kPa

<sup>\*</sup>The testing was performed by Brown Lu on 2012-02-14 and 2012-02-16

Test Result: Compliance

Please refer to the following table and plots.

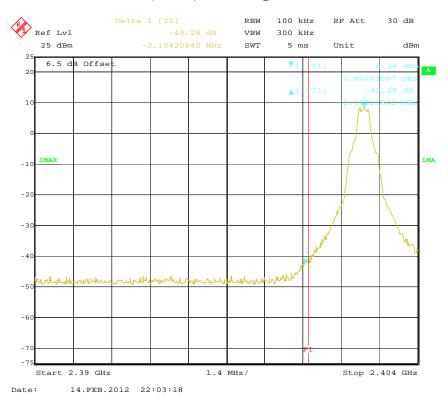
Test Mode: Transmitting

Mode	Frequency (MHz)	Delta Peak to Band Emission (dBc)	≥Limit (dBc)
BDR	2399.93	49.28	20
(GFSK)	2483.73	53.64	20
EDR	2373.73	51.37	20
(π/4-DQPSK)	2500.00	55.96	20
EDR	2380.69	50.55	20
(8DPSK)	2500.00	53.01	20

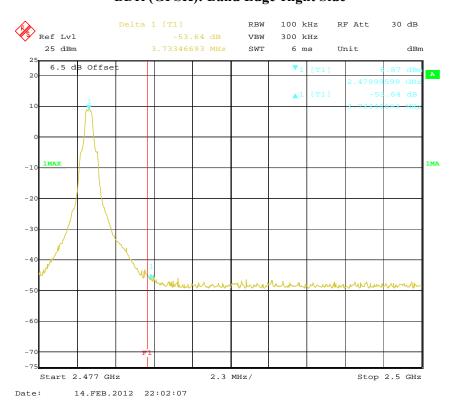
Report No.: RSZ120210002-00BT

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### BDR (GFSK): Band Edge-Left Side



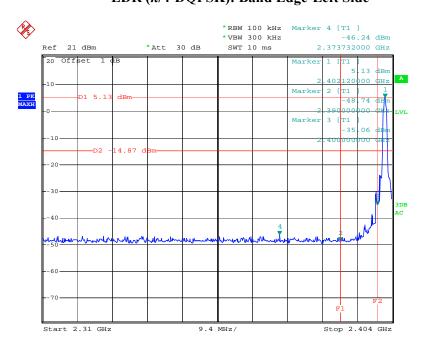
# BDR (GFSK): Band Edge-Right Side



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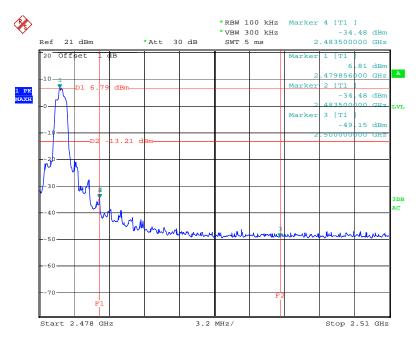
# EDR (π/4-DQPSK): Band Edge-Left Side

Report No.: RSZ120210002-00BT



Date: 16.FEB.2012 18:20:11

# EDR (π/4-DQPSK): Band Edge-Right Side

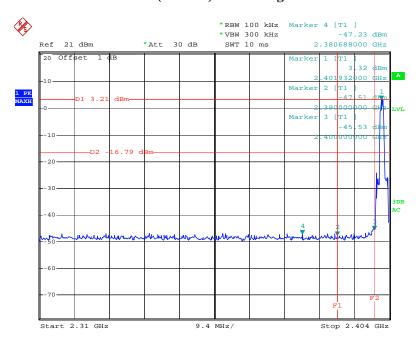


Date: 16.FEB.2012 18:10:34

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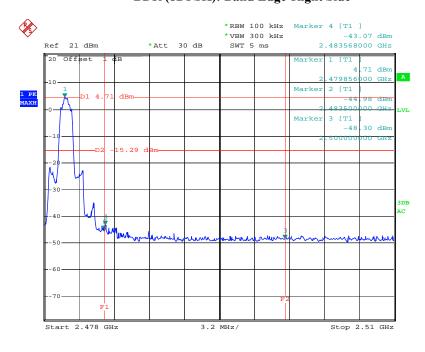
# EDR (8DPSK): Band Edge-Left Side

Report No.: RSZ120210002-00BT



Date: 16.FEB.2012 19:23:03

#### BDR (8DPSK): Band Edge-Right Side



Date: 16.FEB.2012 19:11:18

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# **DECLARATION LETTER**



Teleepoch Limited 5A,B1 Building, Digital Tech Zone, High-Tech Park(south), Nanshan district, Shenzhen, Guangdong Province, China Tel: +86-755-26037146 Fax: +86-0755-26037077

Report No.: RSZ120210002-00BT

# **Product Similarity Declaration**

To Whom It May Concern,

We, Teleepoch Limited, hereby declare that our Mobile phone, Model Number: FLIP/MXC-628 are electrically identical with the Model Number: C5620 that was certified by BACL. They are named differently due to marketing purposes.

Please contact me if you have any question.

Signature:

Maggie Zhang

Project Manager

2012.02.29

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

Maggie Zhang

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