

FCC PART 90

TEST REPORT

For

Hong Kong Communication Co., Ltd.

Flat 2512, 25/F, Langham Place Office Tower, 8 Argyle St.,
Mongkok, Kowloon, Hong Kong

FCC ID: OF4G-8108S

Report Type: Original Report	Product Type: Portable Radio Transceiver
Test Engineer: <u>Brown Lu</u>	<i>Brown Lu</i>
Report Number: <u>RSZ120321004-00</u>	
Report Date: <u>2012-07-27</u>	
Reviewed By: <u>Sula Huang</u> RF Engineer	<i>Sula Huang</i>
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

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. This report **must not** be used by the customer to claim product certification, approval, or endorsement by NVLAP*, NIST, or any agency of the Federal Government.

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

TABLE OF CONTENTS

GENERAL INFORMATION.....5

 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....5

 OBJECTIVE5

 RELATED SUBMITTAL(S)/GRANT(S).....5

 TEST METHODOLOGY5

 TEST FACILITY6

SYSTEM TEST CONFIGURATION.....7

 DESCRIPTION OF TEST CONFIGURATION7

 EQUIPMENT MODIFICATIONS7

 BLOCK DIAGRAM OF TEST SETUP7

SUMMARY OF TEST RESULTS8

FCC §1.1307(b) & §2.1093 - RF EXPOSURE EVALUATION.....9

 APPLICABLE STANDARD9

 RF EXPOSURE EVALUATION RESULTS9

FCC §2.1046 & §90.205- RF OUTPUT POWER.....10

 APPLICABLE STANDARD10

 TEST EQUIPMENT LIST AND DETAILS.....10

 TEST PROCEDURE10

 TEST DATA11

FCC §2.1047 & §90.207 - MODULATION CHARACTERISTIC.....12

 APPLICABLE STANDARD12

 TEST EQUIPMENT LIST AND DETAILS.....12

 TEST PROCEDURE12

 TEST DATA12

FCC §2.1049, §90.209 & §90.210 – OCCUPIED BANDWIDTH & EMISSION MASK15

 APPLICABLE STANDARD15

 TEST EQUIPMENT LIST AND DETAILS.....15

 TEST PROCEDURE16

 TEST DATA16

FCC §2.1051 & §90.210 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS18

 APPLICABLE STANDARD18

 TEST EQUIPMENT LIST AND DETAILS.....18

 TEST PROCEDURE19

 TEST DATA19

FCC §2.1053 & §90.210 - RADIATED SPURIOUS EMISSIONS21

 APPLICABLE STANDARD21

 TEST EQUIPMENT LIST AND DETAILS.....21

 TEST PROCEDURE21

 TEST DATA22

FCC §2.1055 & §90.213- FREQUENCY STABILITY.....23

 APPLICABLE STANDARD23

 TEST EQUIPMENT LIST AND DETAILS.....23

TEST DATA23

FCC §90.214 - TRANSIENT FREQUENCY BEHAVIOR.....25

APPLICABLE STANDARD25

TEST EQUIPMENT LIST AND DETAILS.....25

TEST DATA25

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	RSZ120321004-00	Original Report	2012-06-01
1	RSZ120321004-00	Update the justification of SAR evaluation	2012-07-27

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Hong Kong Communication Co., Ltd.*'s product, model number: *G-8108S (FCC ID: OF4G-8108S)* (the "EUT") in this report is a *Portable Radio Transceiver*, which was measured approximately 85 mm(L) x 50 mm (W) x 28 mm (H), rated input voltage: DC 7.2 V Lithium re-chargeable battery pack.

Technical specifications:

Frequency range: 440~470 MHz
Output power: 1.054 Watt (Conducted power)
Modulation: FM
Channel Spacing: 12.5 kHz

** All measurement and test data in this report was gathered from production sample serial number: 1203044 (Assigned by BACL, Shenzhen). The EUT was received on 2012-03-21.*

Objective

This test report is prepared on behalf of *Hong Kong Communication Co., Ltd.* in accordance with Part 2, and Part 90 of the Federal Communication Commissions rules.

Related Submittal(s)/Grant(s)

No Related Submittal(s)/Grant(s)

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of federal Regulations Title 47 Part 2, Sub-part J as well as the following individual parts:

Part 90 – Private Land Mobile Radio Service

Applicable Standards: TIA 603-D and ANSI 63.4-2009.

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.

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.

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>.

SYSTEM TEST CONFIGURATION

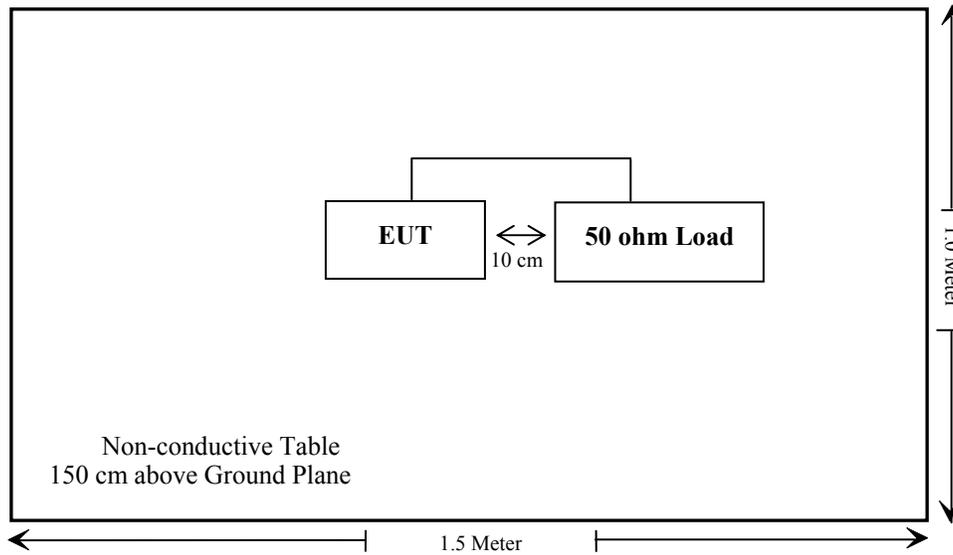
Description of Test Configuration

The system was configured for testing in a test mode which has been done in the factory.

Equipment Modifications

No Equipment Modifications.

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§1.1307 (b); §2.1093	RF Exposure	Compliance
§2.1046; §90.205	RF Output Power	Compliance
§2.1047; §90.207	Modulation Characteristic	Compliance
§2.1049; §90.209; §90.210	Authorized Bandwidth & Emission Mask	Compliance
§2.1051; §90.210	Spurious Emission at Antenna Terminal	Compliance
§2.1053; §90.210	Spurious Radiated Emissions	Compliance
§2.1055; §90.213	Frequency Stability	Compliance
§90.214	Transient Frequency Behavior	Compliance

Note: The uncertainty of any RF tests which use conducted method measurement is 0.96 dB.
The uncertainty of any radiation emissions measurement is 4.0 dB.

FCC §1.1307(b) & §2.1093 - RF EXPOSURE EVALUATION

Applicable Standard

According to FCC §1.1307(b) and §2.1093, portable device operates Part 90 should be subjected to routine environmental evaluation for RF exposure prior or equipment authorization or use.

According to FCC KDB 447498 D01 5) Push-To-Talk (PTT) devices, the power thresholds and operation conditions in the table below are used to determine SAR test requirements for PTT radios required to comply with the general population exposure limit. When the occupational exposure limit applies, these power thresholds are increased by a factor of five (5) to determine the test requirements. SAR is required for PTT devices with maximum output greater than these thresholds.

Table – SAR Evaluation Power Thresholds for PTT devices, $f \leq 0.5$ GHz

Exposure Conditions	mW
Held to face ≥ 2.5 cm	250
Body-worn ≥ 1.5 cm	200
Body-worn ≥ 1.0 cm	150

Note: 1. The time-averaged output power, corresponding to the required PTT duty factor, is compared with these thresholds.
 2. The closest distance between the user and the device or its antenna is used to determine the power thresholds.

RF Exposure Evaluation Results

The minimum distance between the EUT and the body is 1.6 cm, the minimum distance between the antenna portion and body is 3.2 cm.



The output power of EUT is 1054 mw.
 The device is intended for profession usage.
 The maximum duty cycle is 50%.

The SAR evaluation threshold is $200 * 5 * 2 = 2000$ mw.

So, the SAR evaluation can be exempted.

FCC §2.1046 & §90.205- RF OUTPUT POWER

Applicable Standard

FCC §2.1046 and §90.205.

Test Equipment List and Details

Manufacturer	Description	Model No.	Serial No.	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ26	8386001028	2011-11-24	2012-11-23

* **Statement of Tractability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed per the NVLAP requirements, traceable to NIST.

Test Procedure

Conducted RF Output Power:

TIA-603-D section 2.2.1

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

Spectrum Analyzer setting:

<u>RBW</u>	<u>Video B/W</u>
100 kHz	300 kHz

Test Data

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	56%
ATM Pressure:	100.1 kPa

The testing was performed by Brown Lu on 2012-05-24.

Test Mode: Transmitting

Test Result: Compliance. Please refer to following table and plot.

Channel Spacing	Frequency (MHz)	Output Power (dBm)	Output Power (Watt)	Power Setting
12.5 kHz	455.125	30.23	1.054	High



FCC §2.1047 & §90.207 - MODULATION CHARACTERISTIC

Applicable Standard

FCC§2.1047 & §90.207:

- (a) Equipment which utilizes voice modulated communication shall show the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz. for equipment which is required to have a low pass filter, the frequency response of the filter, or all of the circuitry installed between the modulation limited and the modulated stage shall be supplied.
- (b) Equipment which employs modulation limiting, a curve showing the percentage of modulation versus the modulation input voltage shall be supplied.

Test Equipment List and Details

Manufacturer	Description	Model No.	Serial No.	Calibration Date	Calibration Due Date
HP	RF Communications Test Set	HP8920A	3438A05201	2011-06-14	2012-06-13

* **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 Procedure

Test Method: TIA/EIA-603 2.2.3

Test Data

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	56%
ATM Pressure:	100.1 kPa

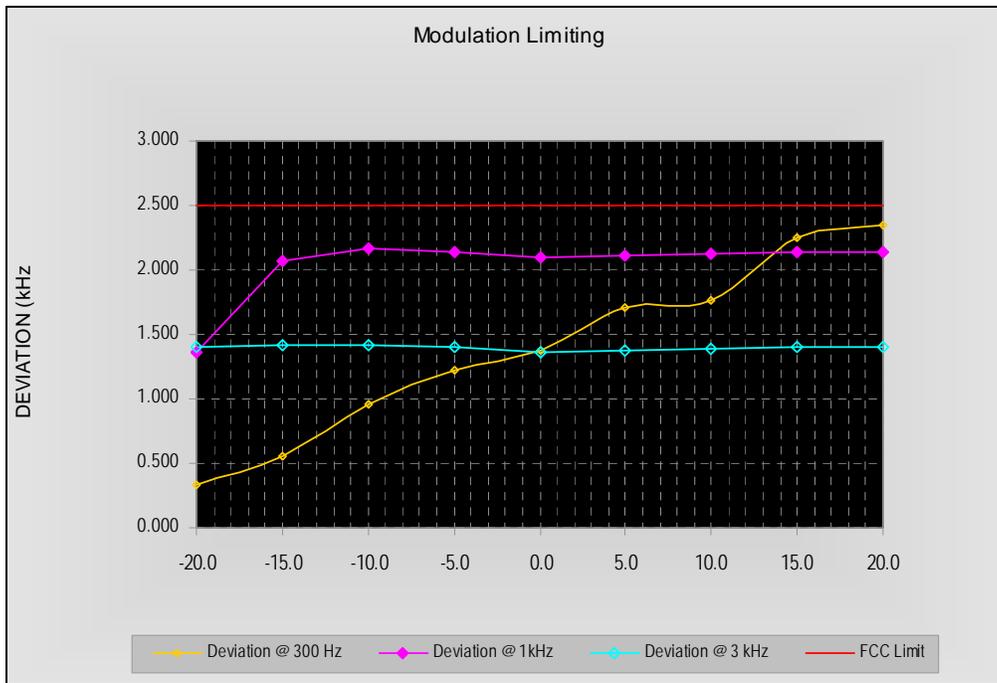
The testing was performed by Brown Lu on 2012-05-22.

Test Mode: Transmitting

MODULATION LIMITING

Carrier Frequency: 455.125 MHz, Channel Separation=12.5 kHz

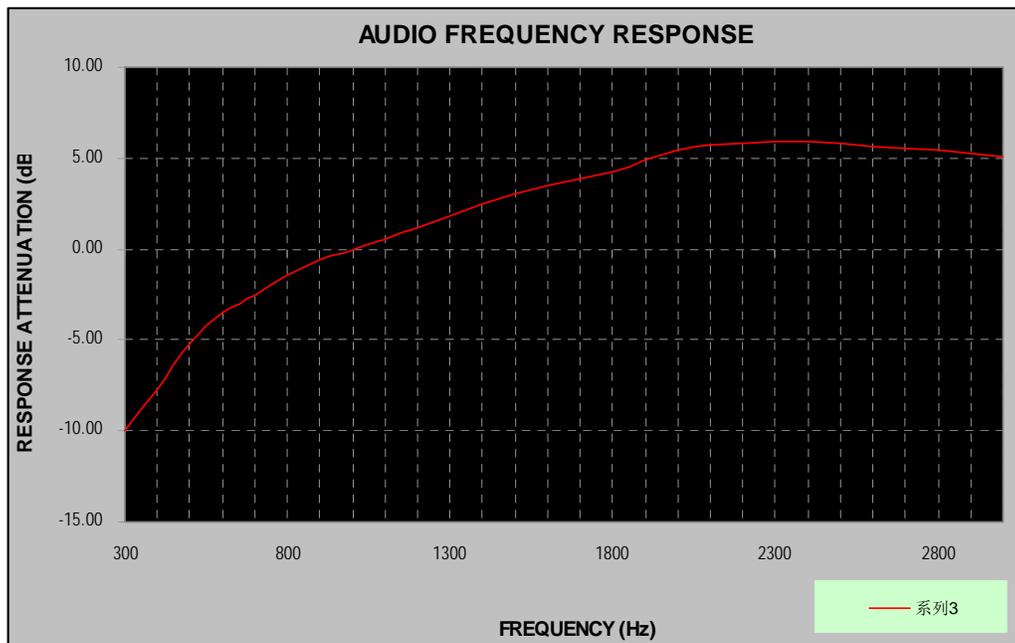
Audio Input Level [dBm]	Frequency Deviation (kHz)			FCC Limit [kHz]
	@ 300 Hz	@ 1kHz	@ 3 kHz	
20.0	2.342	2.141	1.408	2.5
15.0	2.249	2.133	1.402	2.5
10.0	1.768	2.119	1.384	2.5
5.0	1.704	2.112	1.378	2.5
0.0	1.380	2.095	1.368	2.5
-5.0	1.218	2.143	1.406	2.5
-10.0	0.956	2.170	1.419	2.5
-15.0	0.551	2.071	1.418	2.5
-20.0	0.328	1.362	1.408	2.5



Audio Frequency Response

Carrier Frequency: 455.125 MHz, Channel Separation=12.5 kHz

Audio Frequency (Hz)	Response Attenuation (dB)
300	-10.01
400	-7.74
500	-5.22
600	-3.50
700	-2.52
800	-1.47
900	-0.63
1000	0.00
1200	1.20
1400	2.44
1600	3.48
1800	4.24
2000	5.46
2200	5.83
2400	5.90
2600	5.60
2800	5.48
3000	5.10



FCC §2.1049, §90.209 & §90.210 – OCCUPIED BANDWIDTH & EMISSION MASK

Applicable Standard

FCC §2.1049, §90.209 and §90.210

Emission Mask D—12.5 kHz channel bandwidth equipment. For transmitters designed to operate with a 12.5 kHz channel bandwidth, any emission must be attenuated below the power (P) of the highest emission contained within the authorized bandwidth as follows:

- 1) For any frequency removed from the center of the authorized bandwidth f_0 to 5.625 kHz removed from f_0 , 0dB.
- 2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 5.625 kHz but no more than 12.5 kHz, at least 7.27 ($f_d - 2.88$ kHz) dB.
- 3) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 12.5 kHz at least:

$$50+10\log P=50+10 \log (1.054) = 50.23 \text{ dB}$$

Emission Mask B. For transmitters that are equipped with an audio low-pass filter, the power of any emission must be attenuated below the unmodulated carrier power (P) as follows:

- 1) For any frequency removed from the center of the assigned channel by more than 50 percent up to and including 100 percent of the authorized bandwidth, at least 25 dB.
- 2) On any frequency removed from the center of the assigned channel by more than 100 percent up to and including 250 percent, at least 35 dB.
- 3) On any frequency removed from the center of the assigned channel by more than 250 percent at least:

$$43+10\log P$$

The resolution bandwidth was 300 Hz or greater for measuring up to 250 kHz from the edge of the authorized frequency segment, and 30 kHz or greater for measuring more than 250 kHz from the authorized frequency segment.

Test Equipment List and Details

Manufacturer	Description	Model No.	Serial No.	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ26	8386001028	2011-11-24	2012-11-23
HP	RF Communications Test Set	HP8920A	3438A05201	2011-06-14	2012-06-13

* **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 Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set at 300 Hz and the spectrum was recorded in the frequency band ± 35 kHz from the carrier frequency.

Test Data

Environmental Conditions

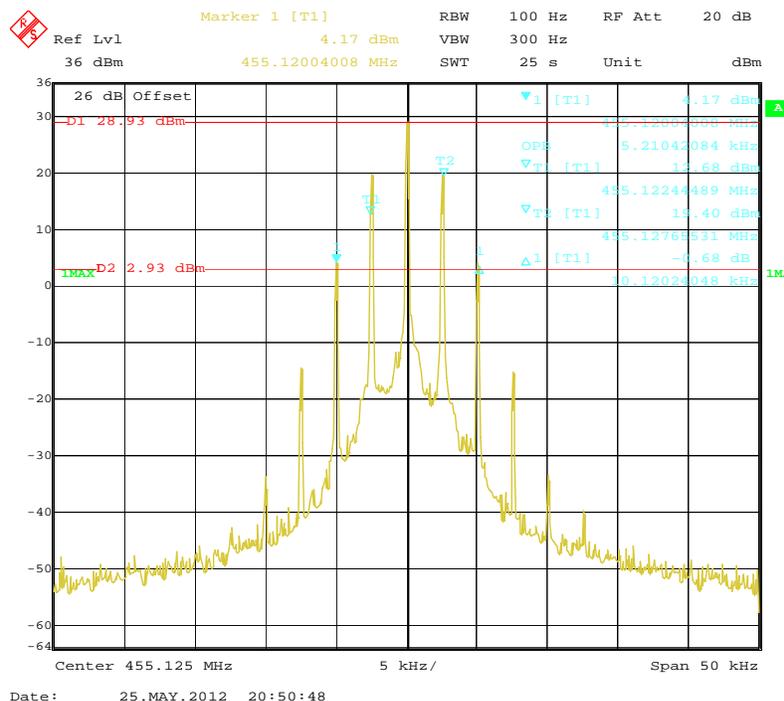
Temperature:	25 °C
Relative Humidity:	56%
ATM Pressure:	100.1 kPa

The testing was performed by Brown Lu on 2012-05-25.

Result: Compliance. Please refer to the following table and plot.

99% Occupied Bandwidth (kHz)	26 dB Bandwidth (kHz)
5.21	10.12

Occupied Bandwidth



Emission Designator:

Bn=2M + 2DK

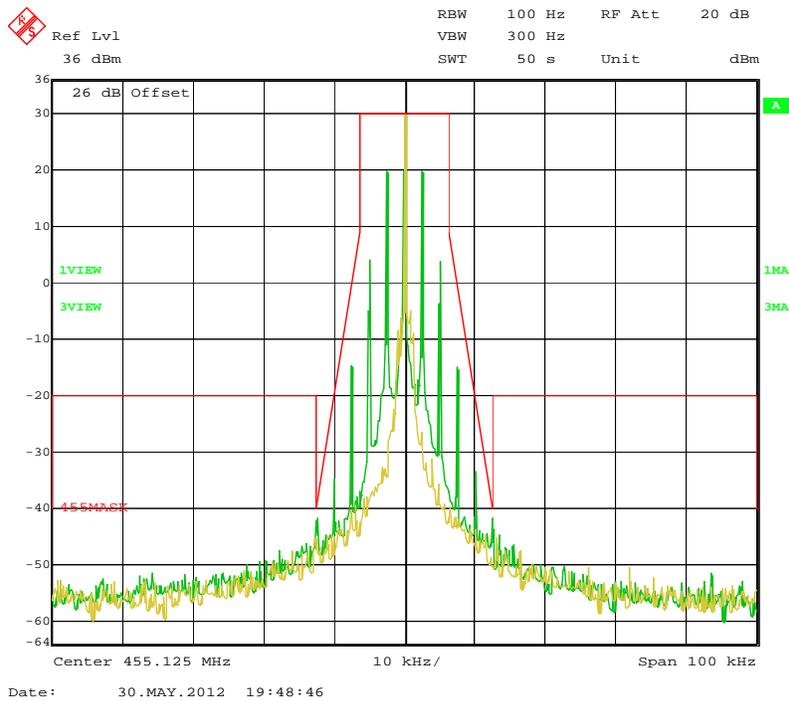
Where M = 3 kHz, D = 2.34 kHz, K = 1

Bn = 2*3 + 2*2.34 = 10.68 kHz

Type of emission: 10K7F3E

Please refer to the emission mask hereinafter plots.

Emission Mask - 455.125 MHz



FCC §2.1051 & §90.210 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Applicable Standard

Emission Mask D—12.5 kHz channel bandwidth equipment. For transmitters designed to operate with a 12.5 kHz channel bandwidth, any emission must be attenuated below the power (P) of the highest emission contained within the authorized bandwidth as follows:

- 1) For any frequency removed from the center of the authorized bandwidth f_0 to 5.625 kHz removed from f_0 , 0 dB.
- 2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 5.625 kHz but no more than 12.5 kHz, at least 7.27 ($f_d - 2.88$ kHz) dB.
- 3) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 12.5 kHz at least:

$$50+10\log P=50+10\log (P) \text{ dB}$$

Emission Mask B. For transmitters that are equipped with an audio low-pass filter, the power of any emission must be attenuated below the unmodulated carrier power (P) as follows:

- 1) For any frequency removed from the center of the assigned channel by more than 50 percent up to and including 100 percent of the authorized bandwidth, at least 25 dB.
- 2) On any frequency removed from the center of the assigned channel by more than 100 percent up to and including 250 percent, at least 35 dB.
- 3) On any frequency removed from the center of the assigned channel by more than 250 percent at least:

$$43+10\log P=43+10\log (P) \text{ dB}$$

The resolution bandwidth was 300 Hz or greater for measuring up to 250 kHz from the edge of the authorized frequency segment, and 30 kHz or greater for measuring more than 250 kHz from the authorized frequency segment.

Test Equipment List and Details

Manufacturer	Description	Model No.	Serial No.	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ26	8386001028	2011-11-24	2012-11-23

* **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 Procedure

The RF output of the EUT was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1MHz. Sufficient scans were taken to show any out of band emissions up to 10th harmonic.

Test Data

Environmental Conditions

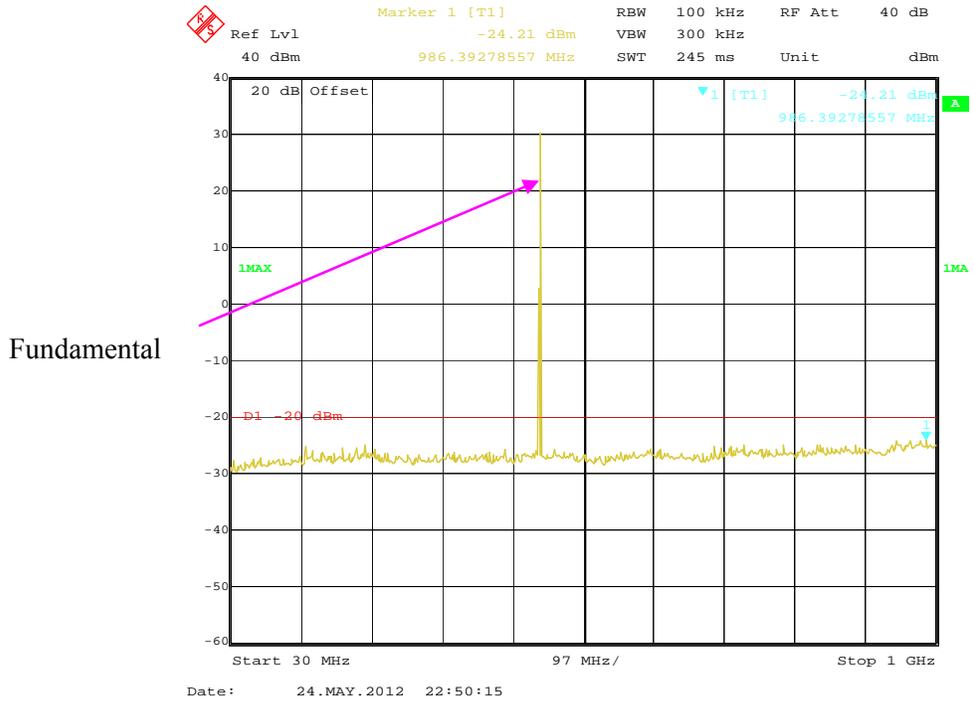
Temperature:	25 °C
Relative Humidity:	56%
ATM Pressure:	100.1 kPa

The testing was performed by Brown Lu on 2012-05-24.

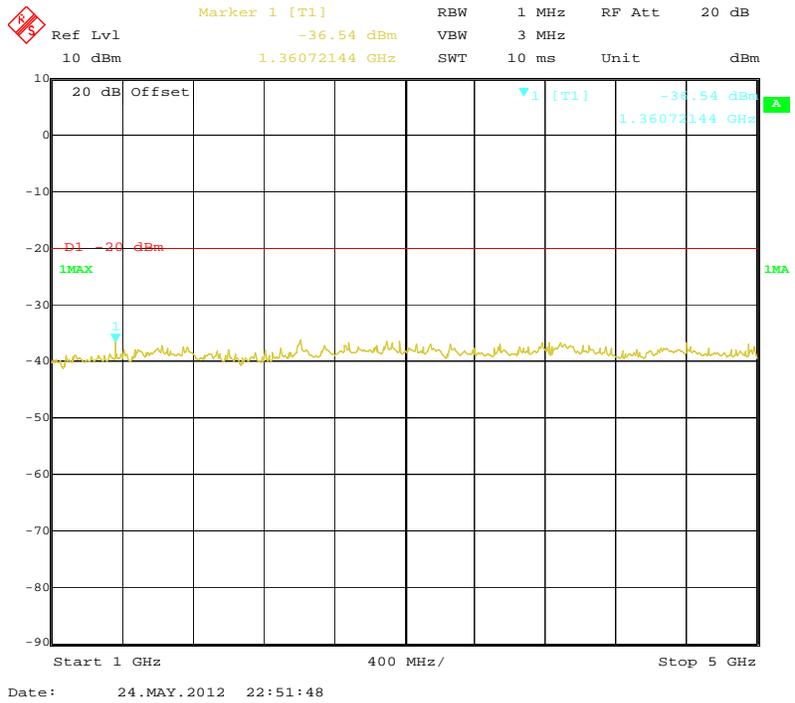
Test Mode: Transmitting

Please refer to the following plots.

30 MHz - 1 GHz (Fundamental Frequency: 55.125 MHz)



1 - 5 GHz (Fundamental Frequency: 55.125 MHz)



FCC §2.1053 & §90.210 - RADIATED SPURIOUS EMISSIONS

Applicable Standard

FCC §2.1053 and §90.210

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Horn Antenna	DRH-118	A052304	2011-12-01	2012-11-30
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2012-03-17	2013-03-16
Rohde & Schwarz	Signal Analyzer	FSIQ26	8386001028	2011-11-24	2012-11-23
Mini-Circuits	Amplifier	ZVA-213+	T-E27H	2012-03-08	2013-03-07
HP	Signal Generator	HP8657A	2849U00982	2011-10-21	2012-10-20
HP	Amplifier	HP8447D	2944A09795	2011-11-24	2012-11-23
HP	Synthesized Sweeper	8341B	2624A00116	2012-04-11	2013-04-10
COM POWER	Dipole Antenna	AD-100	041000	2011-09-25	2012-09-25
A.H. System	Horn Antenna	SAS-200/571	135	2012-02-11	2013-02-10

* **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 Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load, which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to teeth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = $10 \lg(\text{TXpwr in Watts}/0.001)$ -the absolute level

Spurious attenuation limit in dB = $43 + 10 \lg_{10}(\text{power out in Watts})$

Spurious attenuation limit in dB = $50 + 10 \lg_{10}(\text{power out in Watts})$ for EUT with a 12.5 kHz channel bandwidth.

Test Data**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56%
ATM Pressure:	100.1 kPa

The testing was performed by Brown Lu on 2012-05-31.

Test Mode: Transmitting

30 MHz to 10th harmonic

Indicated		Table	Test Ant.		Substituted			Antenna Gain Correction (dB)	Cable Loss (dB)	Absolute Level (dBm)	FCC Part 90	
Frequency (MHz)	Reading (dBμV)	Angle Degree	Height (m)	Polar (H/V)	Frequency (MHz)	Level (dBm)	Polar (H/V)				Limit (dBm)	Margin (dB)
2731.6	59.91	125	1.6	H	2731.6	-39.5	H	10.40	1.58	-30.68	-20	10.68
1366.2	62.91	55	1.5	V	1366.2	-38.1	V	7.50	0.88	-31.48	-20	11.48
2271.3	59.97	96	1.8	H	2271.3	-41.0	H	9.90	1.53	-32.63	-20	12.63
1366.2	57.87	35	1.6	H	1366.2	-42.1	H	7.50	0.88	-35.48	-20	15.48
2731.6	51.62	138	1.5	V	2731.6	-44.4	V	10.40	1.58	-35.58	-20	15.58
910.2	33.26	354	1.5	H	910.2	-35.2	H	0.00	0.91	-36.11	-20	16.11
2271.3	49.39	36	1.7	V	2271.3	-45.6	V	9.90	1.53	-37.23	-20	17.23
910.2	30.47	132	1.8	V	910.2	-37.9	V	0.00	0.91	-38.81	-20	18.81

FCC §2.1055 & §90.213- FREQUENCY STABILITY

Applicable Standard

FCC §2.1055 & §90.213

Test Equipment List and Details

Manufacturer	Description	Model No.	Serial No.	Calibration Date	Calibration Due Date
Hewlett-Packard	Frequency Counter	5342A	2317A08289	2012-04-15	2013-04-14
ESPEC	Temperature & Humidity Chamber	EL-10KA	09107726	2010-11-24	2011-11-23

* **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:	100.1 kPa

The testing was performed by Brown Lu on 2012-05-31.

Test Mode: Transmitting

Reference Frequency: 455.125 MHz				
Test Environment		Frequency Measure with Time Elapsed		
Temperature (°C)	Power Supplied (V _{DC})	Measured Frequency (MHz)	Frequency Error (ppm)	Limit (ppm)
Frequency Stability versus Input Temperature				
50	7.2	455.125116	0.255	2.5
40	7.2	455.125112	0.246	2.5
30	7.2	455.125109	0.239	2.5
20	7.2	455.125106	0.233	2.5
10	7.2	455.125108	0.237	2.5
0	7.2	455.125110	0.242	2.5
-10	7.2	455.125112	0.246	2.5
-20	7.2	455.125115	0.253	2.5
-30	7.2	455.125117	0.257	2.5
Frequency Stability versus Input Voltage				
20	6.2	455.125114	0.250	2.5

Note: the battery operation end point is 6.2V which specified by manufacturer.

FCC §90.214 - TRANSIENT FREQUENCY BEHAVIOR

Applicable Standard

Regulations: FCC §90.214

Test method: ANSI/TIA-603-D 2010, section 2.2.19.3

Test Equipment List and Details

Manufacturer	Description	Model No.	Serial No.	Calibration Date	Calibration Due Date
TEKTRONIX	Digital Phosphor Oscilloscope	TDS 7104	B020518	2012-04-11	2013-04-10
HP	Modulation Analyzer	8901B	3438A05208	2012-04-11	2013-04-11
HP	RF Communications Test Set	HP8920A	3438A05201	2011-06-14	2012-06-13

* **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

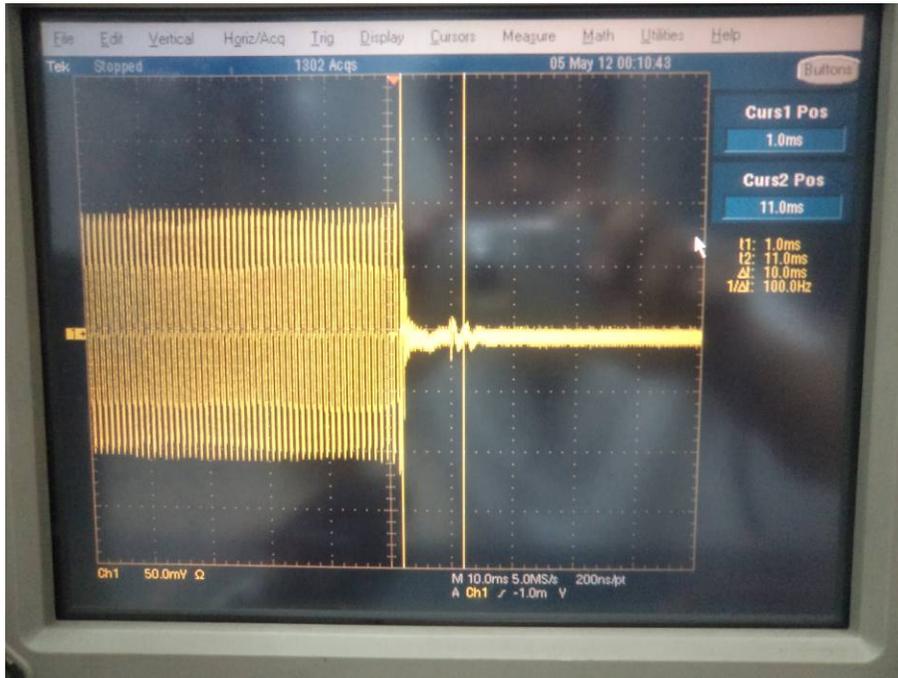
Temperature:	25 °C
Relative Humidity:	56%
ATM Pressure:	100.1 kPa

The testing was performed by Brown Lu on 2012-05-29.

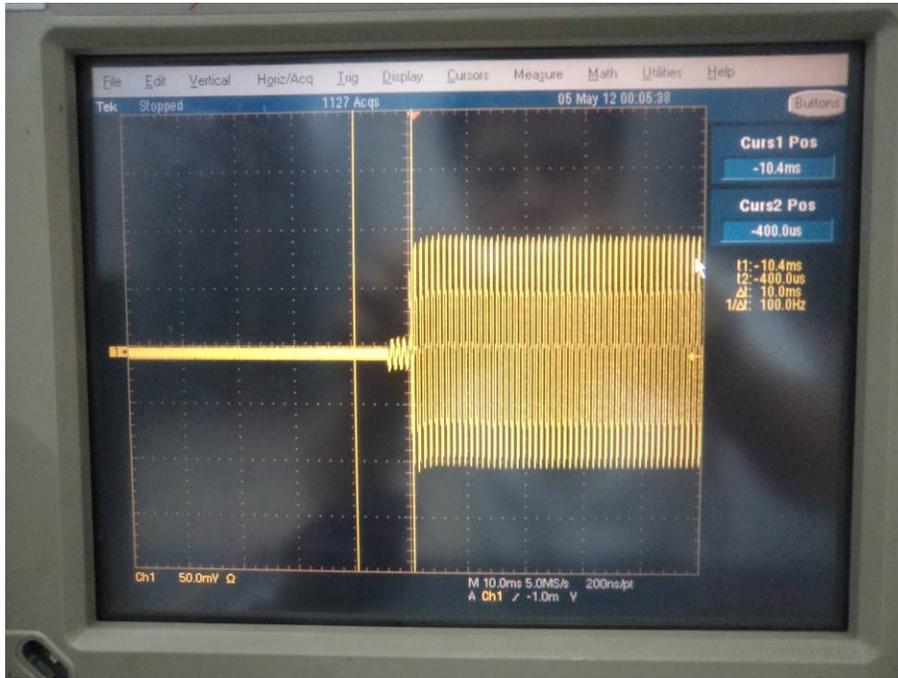
Operation Frequency (MHz)	Channel Separation (kHz)	Time Period (ms)	Maximum frequency difference (kHz)	Result
455.125	12.5	10(t_1)	± 12.5 kHz	Pass
		25(t_2)	± 6.25 kHz	
		10(t_3)	± 12.5 kHz	

Please refer to the following plots.

Turn on (Frequency at 455.125 MHz)



Turn off (Frequency at 455.125 MHz)



******* End of Report *******