

FCC PART 15.247 TEST REPORT

For

COMERCIALIZADORA MILENIO SA DE CV

Vasco De Quiroga 3900 Office 704, Mexico City 05300

FCC ID: 2ABD2PSPC505

Report Type: **Product Type:** Original Report Cosmo 505 (Mobile Phone) haigus li **Test Engineer:** Haiguo Li **Report Number:** RSZ131111001-00C **Report Date:** 2013-11-28 Jimmy Xiao xiao Jimmy Reviewed By: RF Engineer Bay Area Compliance Laboratories Corp. (Shenzhen) 6/F, the 3rd Phase of WanLi Industrial Building ShiHua Road, FuTian Free Trade Zone **Prepared By:** 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.

TABLE OF CONTENTS

GENERAL INFORMATION	4
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	4
Objective	
RELATED SUBMITTAL(S)/GRANT(S)	
TEST METHODOLOGY	
TEST FACILITY	5
SYSTEM TEST CONFIGURATION	6
DESCRIPTION OF TEST CONFIGURATION	6
EQUIPMENT MODIFICATIONS	
EUT EXERCISE SOFTWARE	
EXTERNAL I/O CABLE	
BLOCK DIAGRAM OF TEST SETUP	
SUMMARY OF TEST RESULTS	8
FCC§15.247 (i), §1.1307 (b) (1) & §2.1093 – RF EXPOSURE	9
STANDARD APPLICABLE	
FCC §15.203 - ANTENNA REQUIREMENT	10
APPLICABLE STANDARD	
Antenna Connector Construction	10
FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS	11
APPLICABLE STANDARD	
MEASUREMENT UNCERTAINTY	
EUT SETUP	
EMI TEST RECEIVER SETUP	
TEST PROCEDURE	
TEST EQUIPMENT LIST AND DETAILS.	12
TEST RESULTS SUMMARY	
TEST DATA	
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS	
APPLICABLE STANDARD	
MEASUREMENT UNCERTAINTY	
EUT SETUP	15
EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP TEST PROCEDURE	
TEST FROCEDURE TEST EQUIPMENT LIST AND DETAILS.	
CORRECTED AMPLITUDE & MARGIN CALCULATION	
TEST RESULTS SUMMARY	
Test Data	
FCC §15.247(a) (2) – 6 dB EMISSION BANDWIDTH	29
APPLICABLE STANDARD	
TEST PROCEDURE	29
TEST EQUIPMENT LIST AND DETAILS.	
TEST DATA	29
FCC §15.247(b) (3) - MAXIMUM PEAK OUTPUT POWER	36
APPLICABLE STANDARD	36

TEST PROCEDURE	36
TEST EQUIPMENT LIST AND DETAILS	36
TEST DATA	36
FCC §15.247(d) – 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE	43
APPLICABLE STANDARD	43
TEST PROCEDURE	43
TEST EQUIPMENT LIST AND DETAILS	43
TEST DATA	43
FCC §15.247(e) - POWER SPECTRAL DENSITY	48
APPLICABLE STANDARD	
Test Procedure	48
TEST EQUIPMENT LIST AND DETAILS.	
TEST DATA	18

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *COMERCIALIZADORA MILENIO SA DE CV*'s product, model number: *PSPC505 (FCC ID: 2ABD2PSPC505)* or the "EUT" in this report was a *Mobile Phone*, named as *Cosmo 505* by applicant, which was measured approximately: 14.9 cm (L) x 7.2 cm (W) x 1.0 cm (H), rated input voltage: DC 3.7 V Li-ion battery or DC 5V charging from adapter.

Report No.: RSZ131111001-00C

Adapter Information: Model: PSPC505

Input: 100-240 V, 50/60Hz, 0.15A

Output: DC 5.0V, 1A

* All measurement and test data in this report was gathered from production sample serial number: 1311021 (Assigned by BACL, Shenzhen). The EUT supplied by the applicant was received on 2013-11-11.

Objective

This report is prepared on behalf of *COMERCIALIZADORA MILENIO SA DE CV* 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, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Related Submittal(s)/Grant(s)

FCC Part 15B JBP, Part 15.247 DSS and Part 22H/24E PCE submissions with FCC ID: 2ABD2PSPC505

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.

Measurement uncertainty with RF radiated emission is 5.91 dB for 30MHz-1GHz.and 4.92 dB for above 1GHz, 1.95dB for conducted measurement.

FCC Part 15.247 Page 4 of 54

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.

Report No.: RSZ131111001-00C

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.

FCC Part 15.247 Page 5 of 54

SYSTEM TEST CONFIGURATION

Description of Test Configuration

For 802.11b, 802.11g, and 802.11n-HT20 mode, 11 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437	/	/

Report No.: RSZ131111001-00C

For 802.11b, 802.11g, 802.11n-HT20 mode, EUT was tested with Channel 1, 6 and 11.

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

Wifi test with adb command.

The test was performed under:

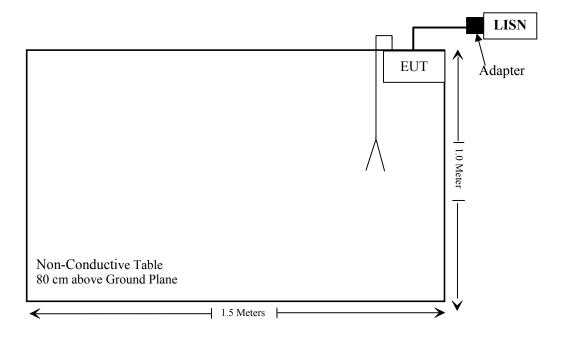
802.11b: Data rate: 11Mbps, Power level: 11 802.11g: Data rate: 54 Mbps, Power level: 11 802.11n-HT20: Data rate: MCS7, Power level: 11

External I/O Cable

Cable Description	Length (m)	From Port	То
Shielded Detectable USB Cable	0.95	Adapter	EUT

FCC Part 15.247 Page 6 of 54

Block Diagram of Test Setup



FCC Part 15.247 Page 7 of 54

SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.247 (i), §1.1307 (b) (1)& §2.1093	RF Exposure	Pass
§15.203	Antenna Requirement	Pass
§15.207 (a)	AC Line Conducted Emissions	Pass
§15.247(d)	Spurious Emissions at Antenna Port	Pass
\$15.205, \$15.209, \$15.247(d)	Spurious Emissions	Pass
§15.247 (a)(2)	6 dB Emission Bandwidth	Pass
§15.247(b)(3)	Maximum Peak Output Power	Pass
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Pass
§15.247(e)	Power Spectral Density	Pass

Report No.: RSZ131111001-00C

FCC Part 15.247 Page 8 of 54

FCC§15.247 (i), §1.1307 (b) (1) & §2.1093 – RF EXPOSURE

Standard Applicable

According to §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.

Report No.: RSZ131111001-00C

Limits for General Population/Uncontrolled Exposure

Result: Compliant

Please refer to the SAR report, report No.: RSZ131111001-20.

FCC Part 15.247 Page 9 of 54

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to § 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 user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

Report No.: RSZ131111001-00C

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has one integral antenna arrangement for Wi-Fi, which was permanently attached, the antenna gain is 1.2dBi, fulfill the requirement of this section. Please refer to the internal photos.

Result: Compliance.

FCC Part 15.247 Page 10 of 54

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207

Measurement Uncertainty

Input quantities to be considered for conducted disturbance measurements maybe receiver reading, attenuation of the connection between AMN/ISN and receiver, AMN/ISN voltage division factor, AMN/ISN VDF frequency interpolation and receiver related input quantities, etc.

Based on CISPR 16-4-2:2011, the expended combined standard uncertainty of conducted disturbance test at Bay Area Compliance Laboratories Corp. (Shenzhen) is shown as below. And the uncertainty will not be taken into consideration for the test data recorded in the report

Port	Measurement uncertainty
AC Mains	3.26 dB (k=2, 95% level of confidence)
CAT 3	3.70 dB (k=2, 95% level of confidence)
CAT 5	3.86 dB (k=2, 95% level of confidence)
CAT 6	4.64 dB (k=2, 95% level of confidence)

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.

FCC Part 15.247 Page 11 of 54

Report No.: RSZ131111001-00C

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.

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:

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

Test Procedure

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	100176	2013-06-17	2014-06-17
Rohde & Schwarz	LISN.	ENV216	3560.6650.12- 101613-Yb	2013-05-07	2014-05-07
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2013-10-15	2014-10-15
Rohde & Schwarz	CE Test software	EMC 32	V8.53		

^{*} 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 Results Summary

According to the recorded data in following table, with the worst margin reading of:

7.6 dB at 0.414000 MHz in the Neutral conducted mode

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level is in compliance with the limit if

$$L_{\rm m} + U_{\rm (Lm)} \leq L_{\rm lim} + U_{\rm cispr}$$

In BACL, $U_{(Lm)}$ is less than U_{cispr} , if L_{m} is less than L_{lim} , it implies that the EUT complies with the limit.

FCC Part 15.247 Page 12 of 54

Test Data

Environmental Conditions

Temperature:	26 ℃
Relative Humidity:	56 %
ATM Pressure:	101.0 kPa

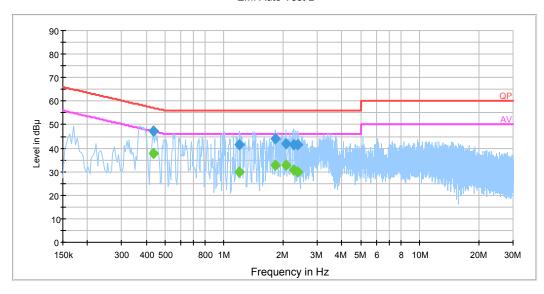
The testing was performed by Haiguo Li on 2013-11-12.

EUT operation mode: Charging & transmitting

AC 120V/60 Hz, Line

EMI Auto Test L

Report No.: RSZ131111001-00C



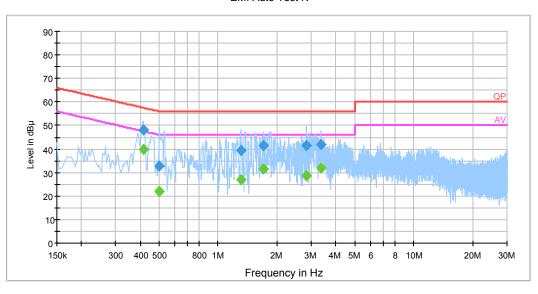
Frequency (MHz)	Corrected Amplitude (dBµV)	Corrected Factor (dB)	Limit (dBµV)	Margin (dB)	Remark (PK/QP/Ave.)
0.434000	37.6	19.5	47.2	9.6	Ave.
0.434000	47.2	19.5	57.2	10.0	QP
1.834000	43.8	19.5	56.0	12.2	QP
2.070000	33.0	19.5	46.0	13.0	Ave.
1.834000	32.7	19.5	46.0	13.3	Ave.
2.070000	42.0	19.5	56.0	14.0	QP
2.262000	41.5	19.5	56.0	14.5	QP
2.386000	41.5	19.5	56.0	14.5	QP
1.202000	41.4	19.5	56.0	14.6	QP
2.262000	30.5	19.5	46.0	15.5	Ave.
1.202000	30.0	19.5	46.0	16.0	Ave.
2.386000	29.7	19.5	46.0	16.3	Ave.

FCC Part 15.247 Page 13 of 54

AC 120V/60 Hz, Neutral

EMI Auto Test N

Report No.: RSZ131111001-00C



Frequency (MHz)	Corrected Amplitude (dBµV)	Corrected Factor (dB)	Limit (dBµV)	Margin (dB)	Remark (PK/QP/Ave.)
0.414000	40.0	19.5	47.6	7.6	Ave.
0.414000	48.1	19.5	57.6	9.5	QP
3.342000	41.8	19.6	56.0	14.2	QP
3.342000	31.8	19.6	46.0	14.2	Ave.
1.702000	41.7	19.5	56.0	14.3	QP
2.818000	41.4	19.6	56.0	14.6	QP
1.702000	31.4	19.5	46.0	14.6	Ave.
1.306000	39.5	19.5	56.0	16.5	QP
2.818000	28.5	19.6	46.0	17.5	Ave.
1.306000	27.1	19.5	46.0	18.9	Ave.
0.502000	32.8	19.5	56.0	23.2	QP
0.502000	21.9	19.5	46.0	24.1	Ave.

Note:

- 1) Correction Factor =LISN VDF (Voltage Division Factor) + Cable Loss + Transient Limiter Attenuation The corrected factor has been input into the transducer of the test software.
- 2) Corrected Amplitude = Reading + Correction Factor 3) Margin = Limit Corrected Amplitude

FCC Part 15.247 Page 14 of 54

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

Applicable Standard

FCC §15.247 (d); §15.209; §15.205;

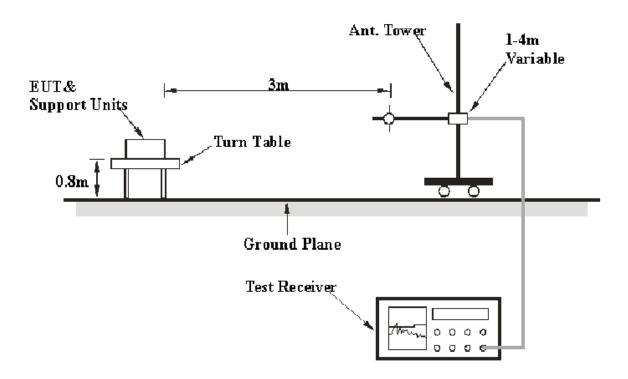
Measurement Uncertainty

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.

Report No.: RSZ131111001-00C

Based on CISPR 16-4-2:2011, the expended combined standard uncertainty of radiation emissions at Bay Area Compliance Laboratories Corp. (Shenzhen) is 5.91 dB for 30MHz-1GHz.and 4.92 dB for above 1GHz, 1.95dB for conducted measurement at antenna port. 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.

FCC Part 15.247 Page 15 of 54

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

Report No.: RSZ131111001-00C

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, peak and Average detection modes for frequencies above 1 GHz.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
НР	Amplifier	8447E	1937A01046	2013-09-30	2014-09-30
Rohde & Schwarz	EMI Test Receiver	ESCI	101122	2013-09-17	2014-09-17
Sunol Sciences	Broadband Antenna	JB1	A040904-2	2011-11-28	2014-11-27
SUPER ULTRA	Amplifier	ZVA-213+	N/A	NCR	NCR
Sunol Sciences	Horn Antenna	DRH-118	A052304	2012-11-30	2013-11-30
Rohde & Schwarz	Signal Analyzer	FSIQ26	8386001028	2013-11-12	2014-11-12
the electro- Mechanics Co.	Horn Antenna	3116	9510-2270	2013-10-14	2016-10-13

^{*} **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).

FCC Part 15.247 Page 16 of 54

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:

Report No.: RSZ131111001-00C

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, with the worst margin reading of:

6.85 dB at 2389.0 MHz in the Horizontal polarization for 802.11b Mode

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level is in compliance with the limit if

$$L_{\rm m} + U_{(L{\rm m})} \leq L_{\rm lim} + U_{\rm cispr}$$

In BACL, $U_{(Lm)}$ is less than U_{cispr} , if L_{m} is less than L_{lim} , it implies that the EUT complies with the limit.

Test Data

Environmental Conditions

Temperature:	24 ℃		
Relative Humidity:	56 %		
ATM Pressure:	101.0 kPa		

The testing was performed by Haiguo Li on 2013-11-19.

EUT operation mode: Transmitting

FCC Part 15.247 Page 17 of 54

30 MHz-25 GHz:

802.11b Mode:

Frequency	Re	eceiver	Turntable	Rx An	itenna		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)
				802.11	b				
			Low Ch	annel (2	2412 MI	Hz)			
218.5	44.87	QP	160	1.2	Н	-15.4	29.47	46	16.53
2412.0	94.76	PK	78	1.4	Н	6.13	100.89	/	/
2412.0	85.84	Ave.	78	1.4	Н	6.13	91.97	/	/
2412.0	97.93	PK	313	1.3	V	6.13	104.06	/	/
2412.0	82.79	Ave.	313	1.3	V	6.13	88.92	/	/
2389.0	50.24	PK	22	1.3	Н	6.13	56.37	74	17.63
2389.0	41.02	Ave.	22	1.3	Н	6.13	47.15	54	6.85
2498.8	34.95	PK	121	1.4	V	7.21	42.16	74	31.84
2498.8	20.52	Ave.	121	1.4	V	7.21	27.73	54	26.27
4824.0	45.82	PK	154	1.2	Н	12.40	58.22	74	15.78
4824.0	33.90	Ave.	154	1.2	Н	12.40	46.30	54	7.70
7236.0	36.09	PK	164	1.3	V	16.62	52.71	74	21.29
7236.0	18.34	Ave.	164	1.3	V	16.62	34.96	54	19.04
9648.0	35.98	PK	30	1.4	V	19.29	55.27	74	18.73
9648.0	19.50	Ave.	30	1.4	V	19.29	38.79	54	15.21
			Middle C	hannel	(2437 M	(Hz)			
218.5	46.76	QP	230	1.3	Н	-15.4	31.36	46	14.64
2437.0	97.26	PK	107	1.2	Н	7.21	104.47	/	/
2437.0	73.80	Ave.	107	1.2	Н	7.21	81.01	/	/
2437.0	95.55	PK	7	1.4	V	7.21	102.76	/	/
2437.0	84.61	Ave.	7	1.4	V	7.21	91.82	/	/
2379.9	39.12	PK	85	1.5	V	6.13	45.25	74	28.75
2379.9	21.43	Ave.	85	1.5	V	6.13	27.56	54	26.44
2483.9	36.91	PK	296	1.4	V	7.21	44.12	74	29.88
2483.9	21.43	Ave.	296	1.4	V	7.21	28.64	54	25.36
4874.0	45.17	PK	243	1.4	V	12.46	57.63	74	16.37
4874.0	33.48	Ave.	243	1.4	V	12.46	45.94	54	8.06
7311.0	36.54	PK	32	1.4	V	16.49	53.03	74	20.97
7311.0	22.26	Ave.	32	1.4	V	16.49	38.75	54	15.25
9748.0	35.15	PK	44	1.3	Н	19.40	54.55	74	19.45
9748.0	22.34	Ave.	44	1.3	Н	19.40	41.74	54	12.26

Report No.: RSZ131111001-00C

FCC Part 15.247 Page 18 of 54

Frequency	Re	eceiver		Rx An	itenna		Corrected	15.247	C Part 7/205/209	
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)		Height (m)	Polar (H/V)	Factor (dB)	Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)	
High Channel (2462 MHz)										
218.5	45.93	QP	130	1.3	Н	-15.4	30.53	46	15.47	
2462.0	95.00	PK	286	1.5	Н	7.21	102.21	/	/	
2462.0	83.32	Ave.	286	1.5	Н	7.21	90.53	/	/	
2462.0	92.06	PK	324	1.4	V	7.21	99.27	/	/	
2462.0	81.70	Ave.	324	1.4	V	7.21	88.91	/	/	
2386.0	38.05	PK	163	1.5	Н	6.13	44.18	74	29.82	
2386.0	22.26	Ave.	163	1.5	Н	6.13	28.39	54	25.61	
2487.8	39.74	PK	210	1.2	V	7.21	46.95	74	27.05	
2487.8	25.52	Ave.	210	1.2	V	7.21	32.73	54	21.27	
4924.0	42.84	PK	165	1.4	Н	12.50	55.34	74	18.66	
4924.0	29.39	Ave.	165	1.4	Н	12.50	41.89	54	12.11	
7386.0	33.15	PK	53	1.2	Н	15.91	49.06	74	24.94	
7386.0	17.00	Ave.	53	1.2	Н	15.91	32.91	54	21.09	
9848.0	33.46	PK	123	1.4	Н	19.39	52.85	74	21.15	
9848.0	17.55	Ave.	123	1.4	Н	19.39	36.94	54	17.06	

FCC Part 15.247 Page 19 of 54

802.11g Mode:

Frequency	Re	eceiver	Turntable	Rx Ar	itenna		Corrected	15 247	C Part //205/209
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)		Height (m)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)		Margin (dB)
			Low Ch	annel (2	2412 MI	Hz)			
218.5	46.47	QP	263	1.0	Н	-15.4	31.07	46	14.93
2412.0	95.29	PK	74	1.3	Н	6.13	101.42	/	/
2412.0	73.99	Ave.	74	1.3	Н	6.13	80.12	/	/
2412.0	94.23	PK	17	1.2	V	6.13	100.36	/	/
2412.0	76.17	Ave.	17	1.2	V	6.13	82.30	/	/
2389.5	51.89	PK	238	1.5	Н	6.13	58.02	74	15.98
2389.5	31.54	Ave.	238	1.5	Н	6.13	37.67	54	16.33
2492.3	35.47	PK	75	1.5	Н	7.21	42.68	74	31.32
2492.3	20.52	Ave.	75	1.5	Н	7.21	27.73	54	26.27
4824.0	45.15	PK	143	1.4	Н	12.40	57.55	74	16.45
4824.0	26.04	Ave.	143	1.4	Н	12.40	38.44	54	15.56
7236.0	32.74	PK	124	1.3	V	16.49	49.23	74	24.77
7236.0	17.55	Ave.	124	1.3	V	16.49	34.04	54	19.96
9648.0	32.68	PK	48	1.2	V	19.29	51.97	74	22.03
9648.0	17.47	Ave.	48	1.2	V	19.29	36.76	54	17.24
			Middle C	hannel	(2437 N	(Hz)			
218.5	45.87	QP	92	1.3	Н	-15.4	30.47	46	15.53
2437.0	92.68	PK	96	1.3	Н	7.21	99.89	/	/
2437.0	75.05	Ave.	96	1.3	Н	7.21	82.26	/	/
2437.0	94.26	PK	124	1.4	V	7.21	101.47	/	/
2437.0	73.22	Ave.	124	1.4	V	7.21	80.43	/	/
2389.2	41.92	PK	13	1.3	V	6.13	48.05	74	25.95
2389.2	24.36	Ave.	13	1.3	V	6.13	30.49	54	23.51
2486.0	42.52	PK	2	1.3	Н	7.21	49.73	74	24.27
2486.0	23.71	Ave.	2	1.3	Н	7.21	30.92	54	23.08
4874.0	35.63	PK	42	1.3	V	12.46	48.09	74	25.91
4874.0	18.69	Ave.	42	1.3	V	12.46	31.15	54	22.85
7311.0	33.12	PK	351	1.2	V	16.49	49.61	74	24.39
7311.0	18.91	Ave.	351	1.2	V	16.49	35.40	54	18.60
9748.0	32.15	PK	188	1.4	Н	19.40	51.55	74	22.45
9748.0	18.55	Ave.	188	1.4	Н	19.40	37.95	54	16.05

Report No.: RSZ131111001-00C

FCC Part 15.247 Page 20 of 54

9848.0

18.37

Ave.

Frequency (MHz)	Receiver			Rx Antenna			Corrected	FCC Part 15.247/205/209		
	Reading (dBµV)	Detector (PK/QP/Ave.)	_	Height (m)			Amplitude	10.2.7	Margin (dB)	
	High Channel (2462 MHz)									
218.5	45.65	QP	201	1.4	Н	-15.4	30.25	46	15.75	
2462.0	92.33	PK	75	1.3	Н	7.21	99.54	/	/	
2462.0	74.89	Ave.	75	1.3	Н	7.21	82.10	/	/	
2462.0	94.43	PK	176	1.3	V	7.21	101.64	/	/	
2462.0	72.90	Ave.	176	1.3	V	7.21	80.11	/	/	
2381.7	35.47	PK	186	1.5	Н	6.13	41.60	74	32.40	
2381.7	18.96	Ave.	186	1.5	Н	6.13	25.09	54	28.91	
2483.6	53.08	PK	208	1.3	V	7.21	60.29	74	13.71	
2483.6	28.28	Ave.	208	1.3	V	7.21	35.49	54	18.51	
4924.0	35.73	PK	258	1.3	Н	12.50	48.23	74	25.77	
4924.0	18.33	Ave.	258	1.3	Н	12.50	30.83	54	23.17	
7386.0	33.21	PK	94	1.3	Н	15.91	49.12	74	24.88	
7386.0	18.18	Ave.	94	1.3	Н	15.91	34.09	54	19.91	
9848.0	32.16	PK	308	1.3	V	19.39	51.55	74	22.45	

1.3

19.39

37.76

54

16.24

308

Report No.: RSZ131111001-00C

FCC Part 15.247 Page 21 of 54

802.11n-HT20 Mode:

Frequency	Re	eceiver	Turntable	Rx Ar	itenna		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 Ch	annel (2	2412 MI	Hz)			
218.5	47.06	QP	160	1.5	Н	-15.4	31.66	46	14.34
2412.0	92.64	PK	64	1.4	Н	6.13	98.77	/	/
2412.0	52.82	Ave.	64	1.4	Н	6.13	58.95	/	/
2412.0	93.44	PK	322	1.3	V	6.13	99.57	/	/
2412.0	52.31	Ave.	322	1.3	V	6.13	58.44	/	/
2386.7	50.61	PK	345	1.3	Н	6.13	56.74	74	17.26
2386.7	28.67	Ave.	345	1.3	Н	6.13	34.80	54	19.20
2485.8	36.91	PK	61	1.5	Н	7.21	44.12	74	29.88
2485.8	20.17	Ave.	61	1.5	Н	7.21	27.38	54	26.62
4824.0	40.94	PK	133	1.3	Н	12.40	53.34	74	20.66
4824.0	20.12	Ave.	133	1.3	Н	12.40	32.52	54	21.48
7236.0	34.71	PK	135	1.4	V	16.62	51.33	74	22.67
7236.0	18.79	Ave.	135	1.4	V	16.62	35.41	54	18.59
9648.0	34.66	PK	69	1.4	Н	19.29	53.95	74	20.05
9648.0	18.81	Ave.	69	1.4	Н	19.29	38.10	54	15.90
			Middle C	hannel	(2437 M	MHz)			
218.5	47.15	QP	230	1.5	Н	-15.4	31.75	46	14.25
2437.0	93.81	PK	97	1.2	Н	7.21	101.02	/	/
2437.0	75.45	Ave.	97	1.2	Н	7.21	82.66	/	/
2437.0	94.62	PK	36	1.3	V	7.21	101.83	/	/
2437.0	73.41	Ave.	36	1.3	V	7.21	80.62	/	/
2373.5	36.19	PK	222	1.2	V	6.13	42.32	74	31.68
2373.5	21.03	Ave.	222	1.2	V	6.13	27.16	54	26.84
2486.2	35.51	PK	187	1.2	Н	7.21	42.72	74	31.28
2486.2	20.70	Ave.	187	1.2	Н	7.21	27.91	54	26.09
4874.0	34.11	PK	205	1.3	V	12.46	46.57	74	27.43
4874.0	19.87	Ave.	205	1.3	V	12.46	32.33	54	21.67
7311.0	33.67	PK	305	1.4	V	16.49	50.16	74	23.84
7311.0	19.13	Ave.	305	1.4	V	16.49	35.62	54	18.38
9748.0	33.21	PK	33	1.4	V	19.29	52.50	74	21.50
9748.0	19.02	Ave.	33	1.4	V	19.29	38.31	54	15.69

Report No.: RSZ131111001-00C

FCC Part 15.247 Page 22 of 54

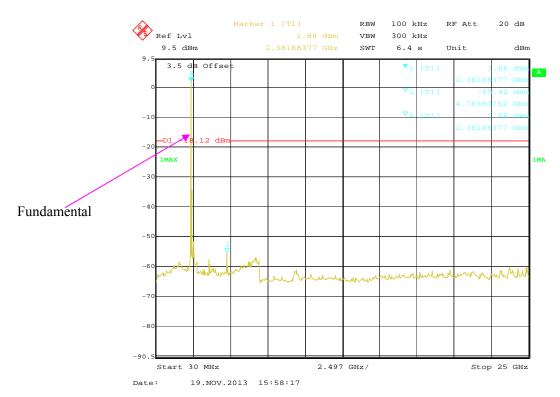
Frequency	Re	eceiver		Rx An	itenna		Corrected Amplitude (dBµV/m)		C Part /205/209	
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)		Height (m)	Polar (H/V)	Factor (dB)		Limit (dBµV/m)	Margin (dB)	
	High Channel (2462 MHz)									
218.5	46.92	QP	55	1.6	Н	-15.4	31.52	46	14.48	
2462.0	90.24	PK	326	1.4	Н	7.21	97.45	/	/	
2462.0	69.13	Ave.	326	1.4	Н	7.21	76.34	/	/	
2462.0	89.14	PK	111	1.4	V	7.21	96.35	/	/	
2462.0	68.64	Ave.	111	1.4	V	7.21	75.85	/	/	
2371.2	37.04	PK	329	1.4	Н	6.13	43.17	74	30.83	
2371.2	19.46	Ave.	329	1.4	Н	6.13	25.59	54	28.41	
2483.9	47.78	PK	214	1.3	V	7.21	54.99	74	19.01	
2483.9	24.96	Ave.	214	1.3	V	7.21	32.17	54	21.83	
4924.0	35.72	PK	229	1.2	Н	12.50	48.22	74	25.78	
4924.0	19.41	Ave.	229	1.2	Н	12.50	31.91	54	22.09	
7386.0	34.91	PK	270	1.4	Н	15.91	50.82	74	23.18	
7386.0	20.42	Ave.	270	1.4	Н	15.91	36.33	54	17.67	
9848.0	34.22	PK	248	1.4	V	19.39	53.61	74	20.39	
9848.0	19.24	Ave.	248	1.4	V	19.39	38.63	54	15.37	

FCC Part 15.247 Page 23 of 54

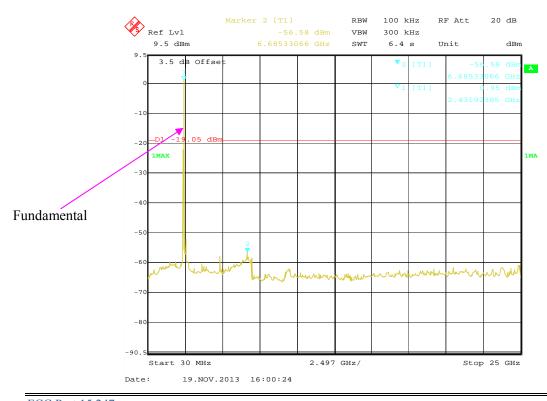
Conducted Spurious Emissions at Antenna Port

802.11b Low Channel

Report No.: RSZ131111001-00C



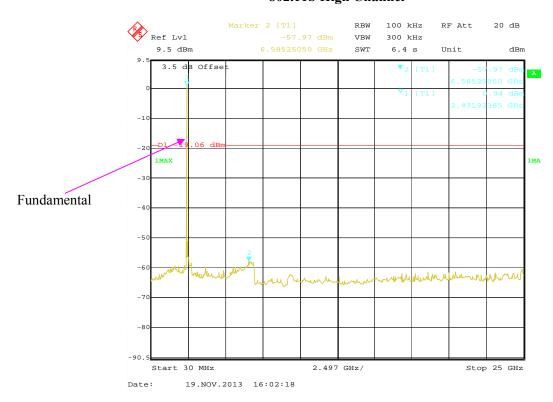
802.11b Middle Channel



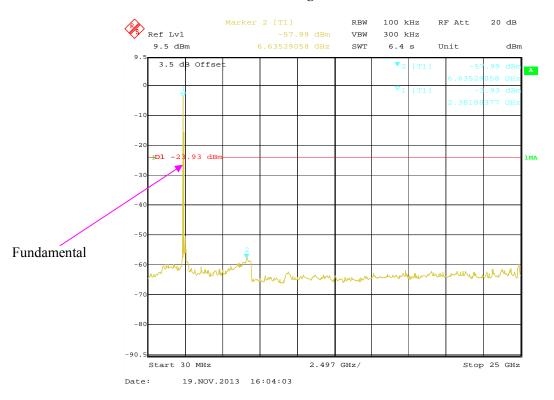
FCC Part 15.247 Page 24 of 54

802.11b High Channel

Report No.: RSZ131111001-00C



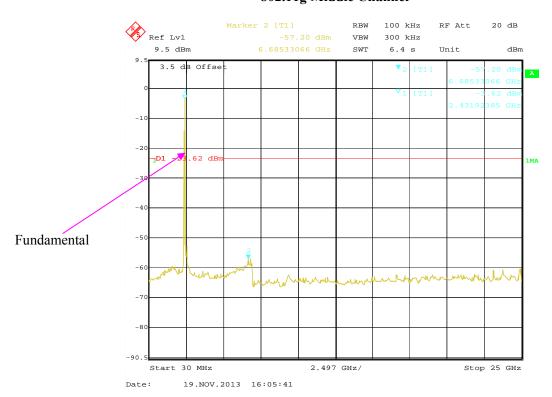
802.11g Low Channel



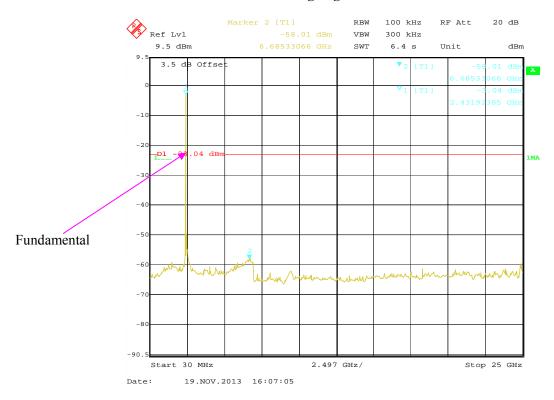
FCC Part 15.247 Page 25 of 54

802.11g Middle Channel

Report No.: RSZ131111001-00C



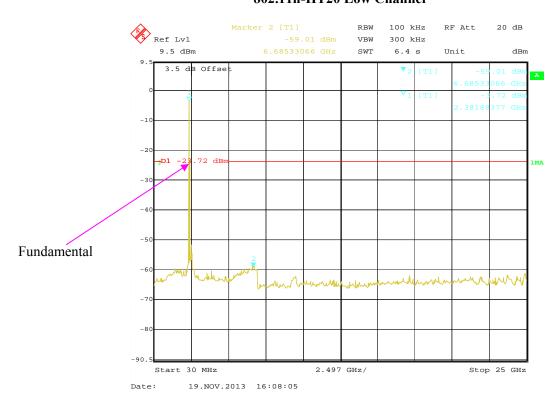
802.11g High Channel



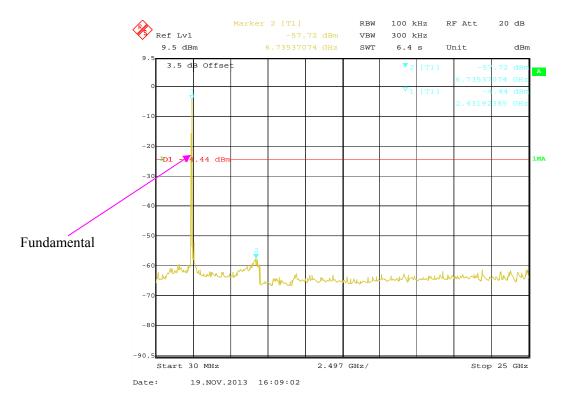
FCC Part 15.247 Page 26 of 54

802.11n-HT20 Low Channel

Report No.: RSZ131111001-00C



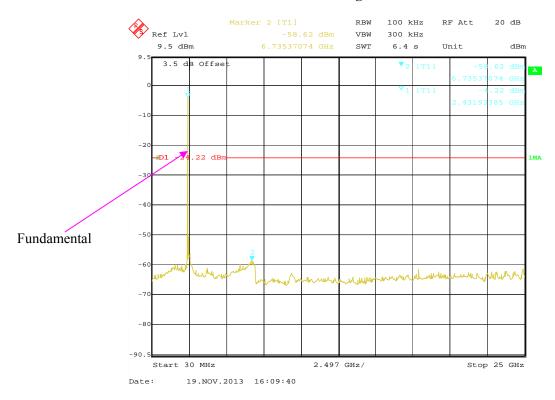
802.11n-HT20 Middle Channel



FCC Part 15.247 Page 27 of 54

Report No.: RSZ131111001-00C

802.11n-HT20 High Channel



FCC Part 15.247 Page 28 of 54

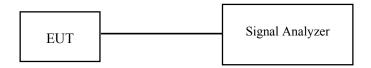
Applicable Standard

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Report No.: RSZ131111001-00C

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 6 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	EMI Test Receiver	ESCI	101120	2013-11-12	2014-11-12

^{*} 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:	24 ℃			
Relative Humidity:	56 %			
ATM Pressure:	101.0kPa			

The testing was performed by Haiguo Li on 2013-11-19.

Test Result: Pass.

Please refer to the following tables and plots.

FCC Part 15.247 Page 29 of 54

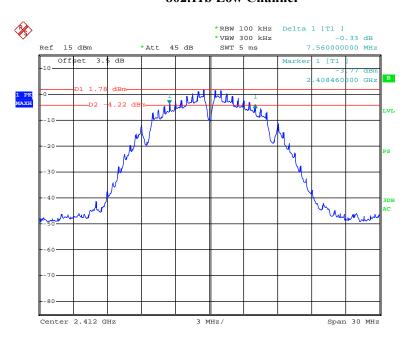
Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (kHz)						
	802.11	b mode							
Low	2412	7.56	≥500						
Middle	2437	7.56	≥500						
High	2462	7.56	≥500						
	802.11g mode								
Low	2412	15.18	≥500						
Middle	2437	15.18	≥500						
High	2462	15.24	≥500						
	802.11n-H	TZ0 mode							
Low	2412	17.58	≥500						
Middle	2437	17.58	≥500						
High	2462	17.64	≥500						

Report No.: RSZ131111001-00C

FCC Part 15.247 Page 30 of 54

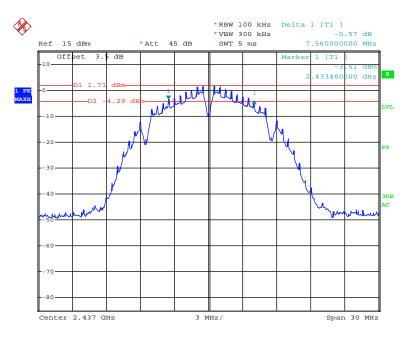
802.11b Low Channel

Report No.: RSZ131111001-00C



Date: 19.NOV.2013 10:53:31

802.11b Middle Channel

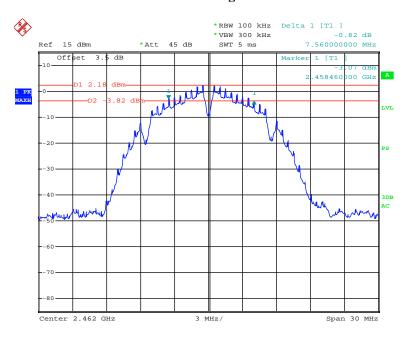


Date: 19.NOV.2013 10:37:08

FCC Part 15.247 Page 31 of 54

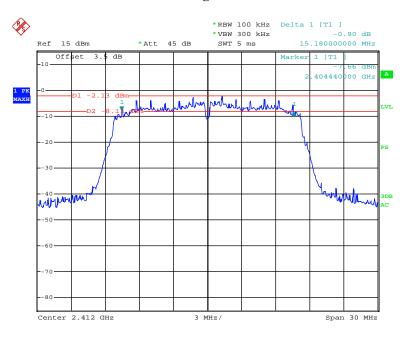
802.11b High Channel

Report No.: RSZ131111001-00C



Date: 19.NOV.2013 12:42:51

802.11g Low Channel

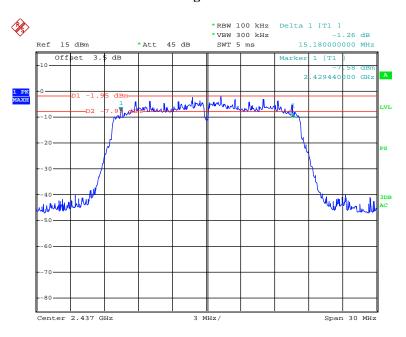


Date: 19.NOV.2013 12:54:58

FCC Part 15.247 Page 32 of 54

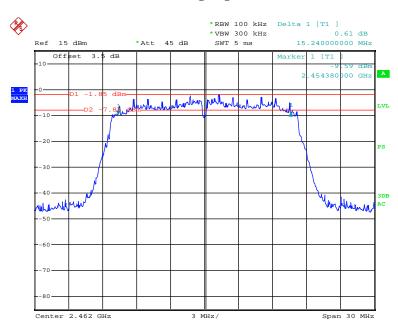
802.11g Middle Channel

Report No.: RSZ131111001-00C



Date: 19.NOV.2013 13:01:31

802.11g High Channel

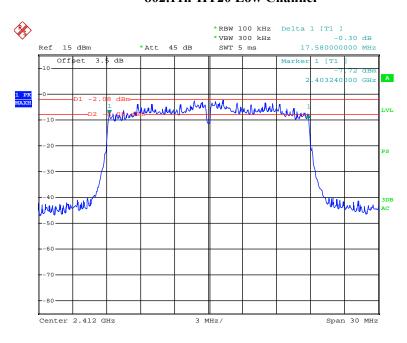


Date: 19.NOV.2013 13:08:26

FCC Part 15.247 Page 33 of 54

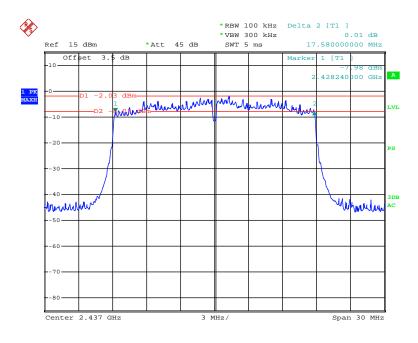
802.11n-HT20 Low Channel

Report No.: RSZ131111001-00C



Date: 19.NOV.2013 13:34:04

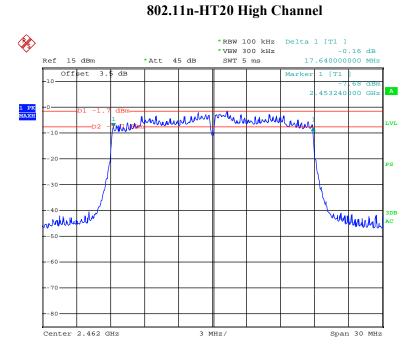
802.11n-HT20 Middle Channel



Date: 19.NOV.2013 13:48:49

FCC Part 15.247 Page 34 of 54

Report No.: RSZ131111001-00C



Date: 19.NOV.2013 13:59:15

FCC Part 15.247 Page 35 of 54

FCC §15.247(b) (3) - MAXIMUM PEAK OUTPUT POWER

Applicable Standard

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

Report No.: RSZ131111001-00C

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
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2013-11-12	2014-11-12
HP	Power Meter	EPM-441A	GB37481494	2013-11-24	2014-11-24

^{*} 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:	24~25 ℃
Relative Humidity:	55~56 %
ATM Pressure:	101.0 kPa

The testing was performed by Haiguo Li on 2013-11-19 and 2013-11-21.

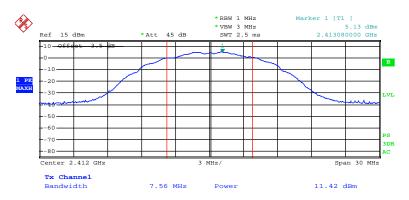
FCC Part 15.247 Page 36 of 54

Channel	Frequency (MHz)	Peak Output Power (dBm)	Average Output Power (dBm)	Limit (dBm)	
		802.11b			
Low	2412	11.42	9.20	30	
Middle	2437	11.60	9.16	30	
High	2462	11.78	9.52	30	
		802.11g			
Low	2412	16.08	9.46	30	
Middle	2437	16.30	9.51	30	
High	2462	16.40	9.61	30	
		802.11n-HT20			
Low	2412	15.90	9.39	30	
Middle	2437	16.07	9.50	30	
High	2462	15.78	9.52	30	

Note: The data above was tested in conducted mode

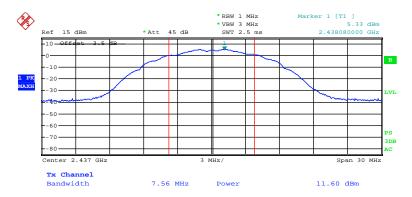
FCC Part 15.247 Page 37 of 54

802.11b RF Peak Output Power, Low Channel



Date: 19.NOV.2013 10:58:38

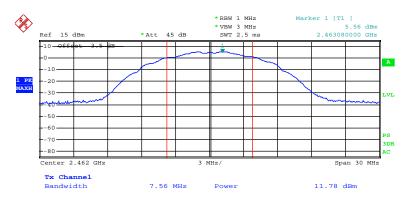
802.11b RF Peak Output Power, Middle Channel



Date: 19.NOV.2013 10:38:12

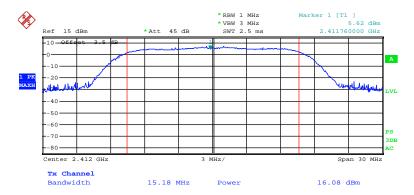
FCC Part 15.247 Page 38 of 54

802.11b RF Peak Output Power, High Channel



Date: 19.NOV.2013 12:45:04

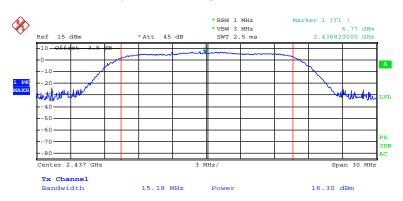
802.11g RF Peak Output Power, Low Channel



Date: 19.NOV.2013 12:55:38

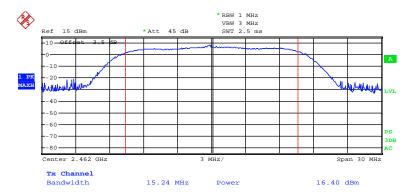
FCC Part 15.247 Page 39 of 54

802.11g RF Peak Output Power, Middle Channel



Date: 19.NOV.2013 13:03:28

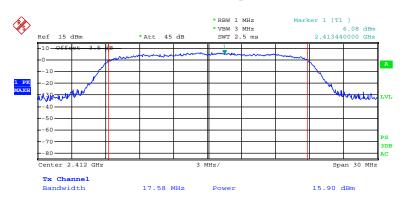
802.11g RF Peak Output Power, High Channel



Date: 21.NOV.2013 08:20:35

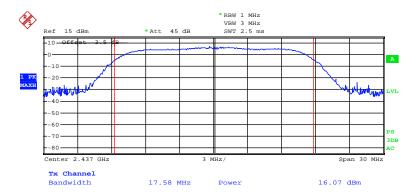
FCC Part 15.247 Page 40 of 54

802.11n-HT20 RF Peak Output Power, Low Channel



Date: 19.NOV.2013 13:40:22

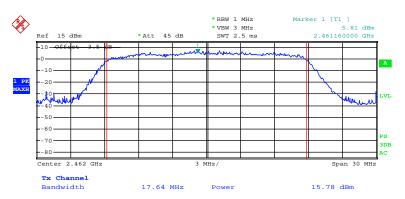
802.11n-HT20 RF Peak Output Power, Middle Channel



Date: 21.NOV.2013 08:15:42

FCC Part 15.247 Page 41 of 54

802.11n-HT20 RF Peak Output Power, High Channel



Date: 19.NOV.2013 14:02:11

FCC Part 15.247 Page 42 of 54

FCC §15.247(d) – 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE

Report No.: RSZ131111001-00C

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)).

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 its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- 3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz 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
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2013-11-12	2014-11-12

^{*} 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:	24℃	
Relative Humidity:	56 %	
ATM Pressure:	101.0 kPa	

The testing was performed by Haiguo Li on 2013-11-19.

FCC Part 15.247 Page 43 of 54

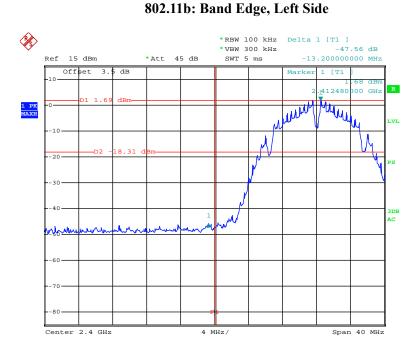
Channel	Delta Peak to Band Emission (dBc)	≥Limit (dBc)	Result		
802.11b mode					
Left-band	47.56	20	Pass		
Right-band	48.14	20	Pass		
802.11g mode					
Left-band	39.30	20	Pass		
Right-band	43.82	20	Pass		
802.11n-HT20 mode					
Left-band	39.86	20	Pass		
Right-band	44.20	20	Pass		

Please refer to following plots.

FCC Part 15.247 Page 44 of 54

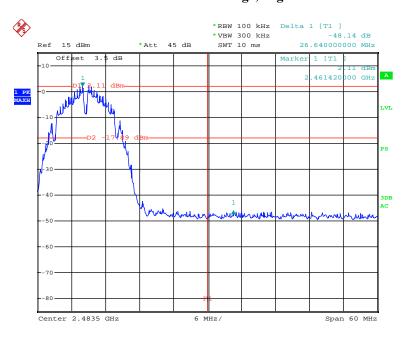
441 B 1E1 I 6 CH

Report No.: RSZ131111001-00C



Date: 19.NOV.2013 11:01:39

802.11b: Band Edge, Right Side

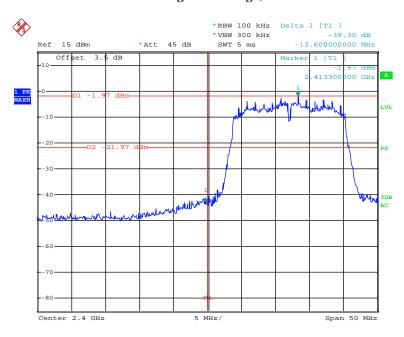


Date: 19.NOV.2013 12:47:35

FCC Part 15.247 Page 45 of 54

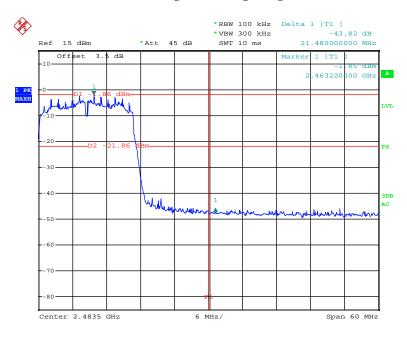
802.11g: Band Edge, Left Side

Report No.: RSZ131111001-00C



Date: 19.NOV.2013 12:59:53

802.11g: Band Edge, Right Side

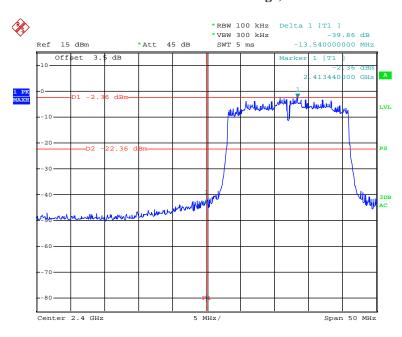


Date: 19.NOV.2013 13:06:05

FCC Part 15.247 Page 46 of 54

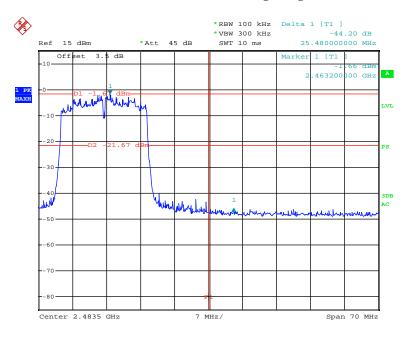
802.11n-HT20: Band Edge, Left Side

Report No.: RSZ131111001-00C



Date: 19.NOV.2013 13:42:39

802.11n-HT20: Band Edge, Right Side



Date: 19.NOV.2013 14:04:56

FCC Part 15.247 Page 47 of 54

FCC §15.247(e) - POWER SPECTRAL DENSITY

Applicable Standard

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Report No.: RSZ131111001-00C

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 was set without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- 3. Adjust the center frequency of SA on any frequency be measured and set SA to 1.5MHz span mode. And then, set RBW and VBW of spectrum analyzer to proper value. (DTS)
- 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	EMI Test Receiver	ESCI	101120	2013-11-12	2014-11-12

^{*} 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:	24 ℃	
Relative Humidity:	56 %	
ATM Pressure:	101.0 kPa	

The testing was performed by Haiguo Li on 2013-11-19.

EUT operation mode: Transmitting

Test Result: Pass

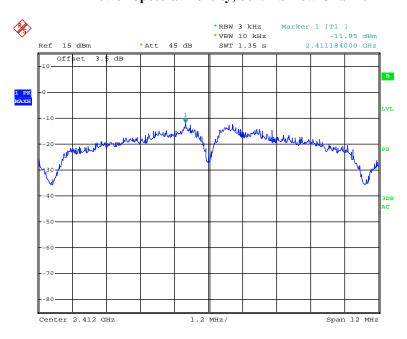
FCC Part 15.247 Page 48 of 54

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)			
	802.11	b mode				
Low	2412	-11.95	≤8			
Middle	2437	-12.76	≤8			
High	2462	-11.90	≤8			
	802.11g mode					
Low	2412	-16.75	≤8			
Middle	2437	-16.47	≤8			
High	2462	-15.89	≤8			
802.11n-HT20 mode						
Low	2412	-17.28	≤8			
Middle	2437	-17.40	≤8			
High	2462	-16.78	≤8			

FCC Part 15.247 Page 49 of 54

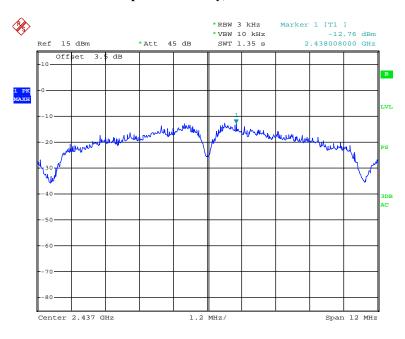
Power Spectral Density, 802.11b Low Channel

Report No.: RSZ131111001-00C



Date: 19.NOV.2013 10:51:41

Power Spectral Density, 802.11b Middle Channel

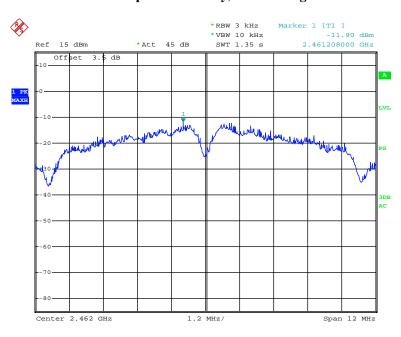


Date: 19.NOV.2013 10:48:16

FCC Part 15.247 Page 50 of 54

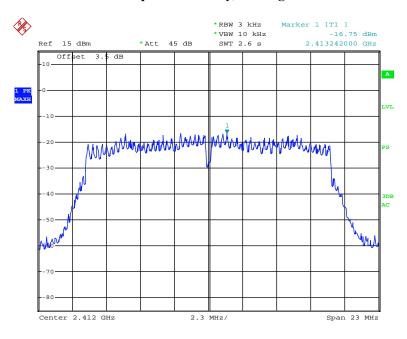
Power Spectral Density, 802.11b High Channel

Report No.: RSZ131111001-00C



Date: 19.NOV.2013 12:45:52

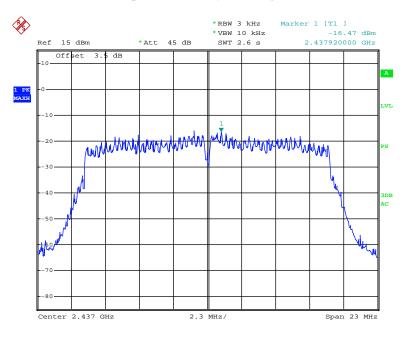
Power Spectral Density, 802.11g Low Channel



Date: 19.NOV.2013 12:58:21

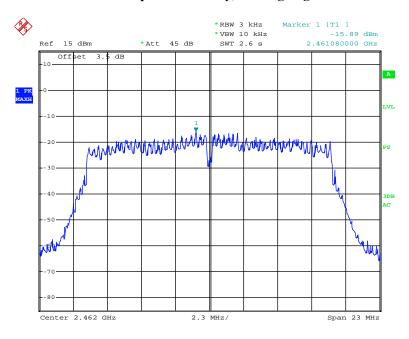
FCC Part 15.247 Page 51 of 54

Power Spectral Density, 802.11g Middle Channel



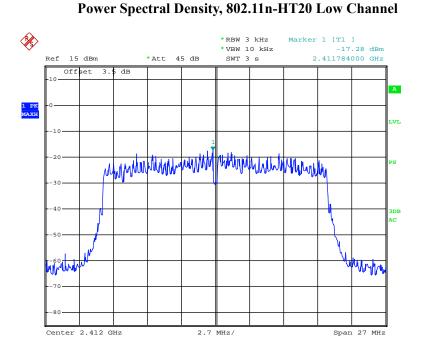
Date: 19.NOV.2013 13:04:07

Power Spectral Density, 802.11g High Channel



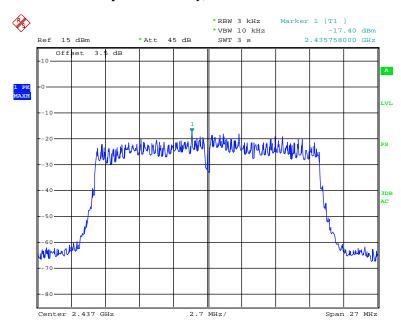
Date: 19.NOV.2013 13:04:49

FCC Part 15.247 Page 52 of 54



Date: 19.NOV.2013 13:45:27

Power Spectral Density, 802.11n-HT20 Middle Channel

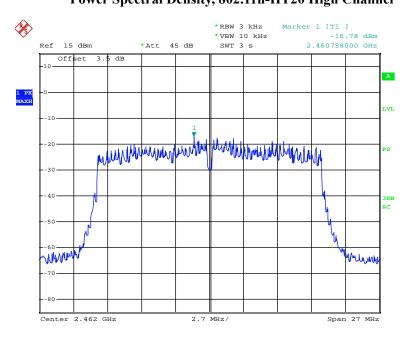


Date: 19.NOV.2013 13:46:11

FCC Part 15.247 Page 53 of 54

Power Spectral Density, 802.11n-HT20 High Channel

Report No.: RSZ131111001-00C



Date: 19.NOV.2013 14:06:18

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

FCC Part 15.247 Page 54 of 54