

FCC PART 15.247 TEST REPORT

For

SHANGHAI PETKIT NETWORK TECHNOLOGY CO., LTD.

Room 106, No.22 Boxia Road, Shanghai, China

FCC ID: 2AEDGP310

Report Type: Product Type: Original Report Multifunctional Pet Remote Monitor Next You Matt Yao **Test Engineer: Report Number:** RKS151231001-00A **Report Date:** 2016-01-22 Jesse-Huanf Jesse Huang **Reviewed By: EMC Manager** Bay Area Compliance Laboratories Corp. (Kunshan) Chenghu Road, Kunshan Development Zone No.248, Kunshan, Prepared By: Jiangsu, China Tel: +86-0512-86175000 Fax: +86-0512-88934268 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.

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The SHANGHAI PETKIT NETWORK TECHNOLOGY CO., LTD.'s product, model number: Multifunctional Pet Remote Monitor-Style (P310) (FCC ID: 2AEDGP310) or the "EUT" in this report was a Multifunctional Pet Remote Monitor, which was measured approximately: 190 mm (L) x90 mm (D) .Weight:605g.

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*All measurement and test data in this report was gathered from production sample serial number: 20151230001 (Assigned by the BACL. The EUT supplied by the applicant was received on 2015-12-30)

Objective

This report is prepared on behalf of SHANGHAI PETKIT NETWORK TECHNOLOGY CO., LTD. in accordance with Part 2-Subpart J, Part 15-Subparts A, B and C of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Related Submittal(s)/Grant(s)

N/A

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices and FCC KDB558074 D01 DTS Meas Guidance v03r04.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Kunshan). 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.

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Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the Chenghu Lake Road, Kunshan Development Zone No.248, Kunshan, Jiangsu, China

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Test site at Bay Area Compliance Laboratories Corp. (Kunshan) 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 November 06, 2014. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 815570. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

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SYSTEM TEST CONFIGURATION

Description of Test Configuration

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

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

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

For 802.11n-HT40 mode, EUT was tested with Channel 3, 6 and 9.

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For BLE mode, 40 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2402	21	2442
2	2404	22	2444
3	2406	23	2446
4	2408	24	2448
5	2410	25	2450
6	2412	26	2452
7	2414	27	2454
8	2416	28	2456
9	2418	29	2458
10	2420	30	2460
11	2422	31	2462
12	2424	32	2464
13	2426	33	2466
14	2428	34	2468
15	2430	35	2470
16	2432	36	2472
17	2434	37	2474
18	2436	38	2476
19	2438	39	2478
20	2440	40	2480

EUT was tested with Channel 1, 20 and 40.

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

RF test tool built-in the EUT.

The worst case was performed under: 802.11b: Data rate:1 Mbps, Power level: 15 802.11g: Data rate: 6 Mbps, Power level: 12 802.11n-HT20: Data rate: MCS0, Power level: 12 802.11n-HT40: Data rate: MCS0, Power level: 12

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Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	T400	N/A

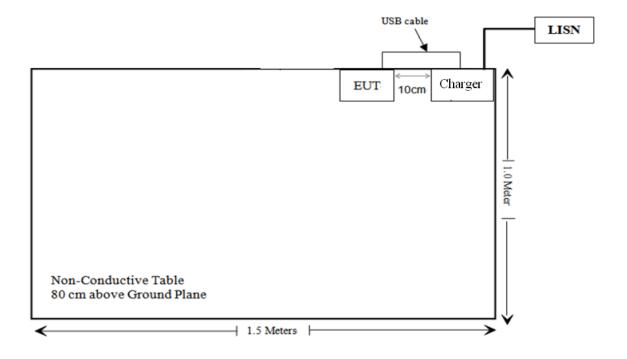
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External I/O Cable

Cable Description	Length (m)	From Port	То
USB Cable	0.9	EUT	PC

Block Diagram of Test Setup

For conducted emission



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SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.247 (i), §1.1307 (b) (1)& §2.1091	Maximum Permissible Exposure	Compliance
§15.203	Antenna Requirement	Compliance
§15.207 (a)	AC Line Conducted Emissions	Compliance
§15.247(d)	Spurious Emissions at Antenna Port	Compliance
\$15.205, \$15.209, \$15.247(d)	Spurious Emissions	Compliance
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliance
§15.247(b)(3)	Maximum Conducted Output Power	Compliance
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliance
§15.247(e)	Power Spectral Density	Compliance

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FCC§15.247 (i), §1.1310& §2.1091 –MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 15.247(i)and subpart §1.1310, 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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Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure						
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm²)	Averaging Time (minutes)		
0.3-1.34	614	1.63	*(100)	30		
1.34-30	824/f	2.19/f	*(180/f ²)	30		
30-300	27.5	0.073	0.2	30		
300-1500	/		f/1500	30		
1500-100,000	/		1.0	30		

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculated Formulary:

Predication of MPE limit at a given distance

 $S = PG/4 \pi R^2 = power density (in appropriate units, e.g. mW/cm^2);$

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

Calculated Data:

	Fragueney	Antenna Gain		Target Power		Evaluation	Power	MPE
Mode	Frequency (MHz)	(dBi)	(numeric)	(dBm)	(mW)	Distance (cm)	Density (mW/cm ²)	Limit (mW/cm ²)
802.11b	2412	-1	0.794	18	63.10	20	0.010	1.0
802.11g	2412	-1	0.794	16	39.81	20	0.006	1.0
802.11n HT20	2412	-1	0.794	14	25.12	20	0.004	1.0
802.11n HT40	2452	-1	0.794	14	25.12	20	0.004	1.0
BLE	2402	-1	0.794	4	2.51	20	0.001	1.0

Note: The target output power: $802.11b:17\pm1dBm$, $802.11g:15\pm1dBm$,

802.11g:15±1dBm, 802.11n:13±1dBm, 802.11n:13±1dBm, BLE:2±2dBm

which declared by the Manufacturer.

Result: The device meet FCC MPE at 20 cm distance

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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:

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- 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 an internal antenna arrangement for wifi, which the antenna gain are -1 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

The EUT has an internal antenna arrangement for Bluetooth, which the antenna gain is -1 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliance.

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FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207

Measurement Uncertainty

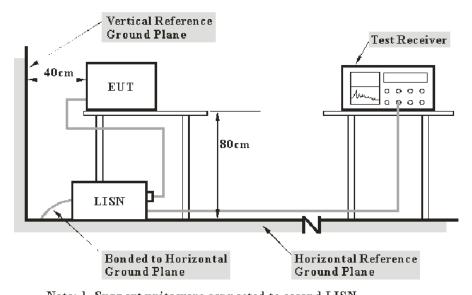
Input quantities to be considered for conducted disturbance measurements maybe receiver reading, attenuation of the connection between LISN and receiver, LISN voltage division factor, LISN VDF frequency interpolation and receiver related input quantities, etc.

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

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Port	Expanded 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.

The setup of EUT is according with per ANSI C63.10-2013 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:

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

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Test Procedure

During the conducted emission test, the adapter was connected to the outlet of 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	934115/007	2015-11-12	2016-11-11
Rohde & Schwarz	LISN	ESH3-Z5	862770/011	2015-11-12	2016-11-11
Rohde & Schwarz	LISN	ESH3-Z5	892239/018	2015-06-23	2016-06-22
Rohde & Schwarz	Pulse limiter	ESH3-Z2	879940/0058	2015-06-19	2016-06-18
HP	Current probe	8710-1744	636	2015-06-19	2016-06-18
FCC	ISN	FCC-TLISN- T8-02	20376	2015-06-23	2016-06-22
MICRO-COAX	Coaxial line	UFB-293B-1- 0480-50X50	97F0173	2015-10-01	2016-10-01
Rohde & Schwarz	CE Test software	EMC 32	V 09.10.0		

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

Corrected Factor & Margin Calculation

The Corrected factor is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Correction Factor = LISN VDF + Cable Loss

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 limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

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Test Results Summary

According to the recorded data in following table, the EUT complied with the <u>FCC Part 15.207</u>, the worst margin reading as below:

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WIFI Mode:

11.34 dB at 0.175000MHz in the Line conducted mode

BLE Mode:

10.87 dB at 4.875 MHz in the Line conducted mode

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

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

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:	23 ℃
Relative Humidity:	56 %
ATM Pressure:	101.0 kPa

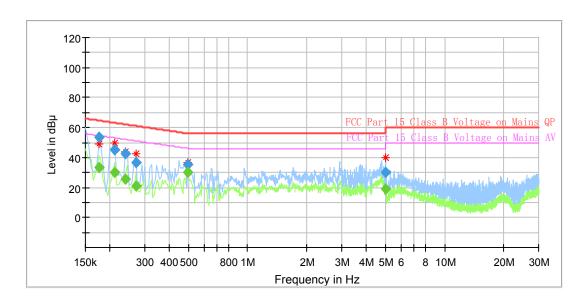
The testing was performed by Matt Yao on 2016-01-21.

EUT operation mode: Transmitting

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WIFI Mode:

AC 120V/60 Hz, Line

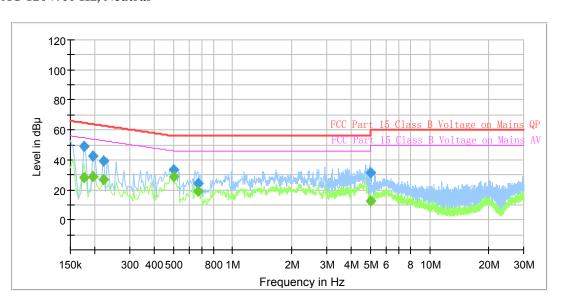


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Frequency (MHz)	QuasiPeak (dBµV)	Average (dB \(\mu \)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.175000		33.08	9.000	L1	11.0	21.64	54.72	Compliance
0.175000	53.38		9.000	L1	11.0	11.34	64.72	Compliance
0.210000		30.08	9.000	L1	11.0	23.13	53.21	Compliance
0.210000	45.22		9.000	L1	11.0	17.99	63.21	Compliance
0.240000		25.65	9.000	L1	11.0	26.45	52.10	Compliance
0.240000	42.43		9.000	L1	11.0	19.67	62.10	Compliance
0.270000		21.23	9.000	L1	11.0	29.89	51.12	Compliance
0.270000	36.65		9.000	L1	11.0	24.47	61.12	Compliance
0.495000		30.26	9.000	L1	11.0	15.82	46.08	Compliance
0.495000	35.12		9.000	L1	11.0	20.96	56.08	Compliance
5.010000		19.25	9.000	L1	11.3	30.75	50.00	Compliance
5.010000	30.26		9.000	L1	11.3	29.74	60.00	Compliance

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AC 120V/60 Hz, Neutral



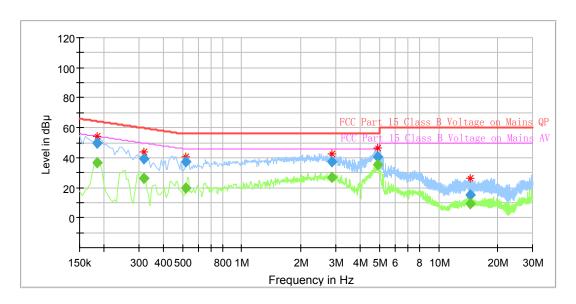
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Frequency (MHz)	QuasiPeak (dBµV)	Average (dB μ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.175000		28.30	9.000	N	11.0	26.42	54.72	Compliance
0.175000	48.79		9.000	N	11.0	15.93	64.72	Compliance
0.195000		28.53	9.000	N	11.0	25.29	53.82	Compliance
0.195000	42.45		9.000	N	11.0	21.37	63.82	Compliance
0.220000		26.69	9.000	N	11.0	26.13	52.82	Compliance
0.220000	38.94		9.000	N	11.0	23.88	62.82	Compliance
0.500000		28.96	9.000	N	11.0	17.04	46.00	Compliance
0.500000	33.72		9.000	N	11.0	22.28	56.00	Compliance
0.665000		18.77	9.000	N	11.1	27.23	46.00	Compliance
0.665000	24.41		9.000	N	11.1	31.59	56.00	Compliance
4.990000		12.70	9.000	N	11.4	33.30	46.00	Compliance
4.990000	31.38		9.000	N	11.4	24.62	56.00	Compliance

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BLE Mode:

AC 120V/60 Hz, Line

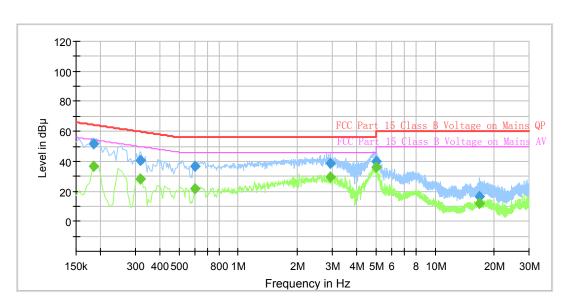


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Frequency (MHz)	QuasiPeak (dBµV)	Average (dB \mu V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.185000		36.53	9.000	L1	11.0	17.73	54.26	Compliance
0.185000	49.95		9.000	L1	11.0	14.31	64.26	Compliance
0.320000		26.22	9.000	L1	11.0	23.49	49.71	Compliance
0.320000	39.14		9.000	L1	11.0	20.57	59.71	Compliance
0.520000		19.68	9.000	L1	11.0	26.32	46.00	Compliance
0.520000	37.58		9.000	L1	11.0	18.42	56.00	Compliance
2.865000		27.10	9.000	L1	11.2	18.90	46.00	Compliance
2.865000	37.26		9.000	L1	11.2	18.74	56.00	Compliance
4.875000		35.23	9.000	L1	11.3	10.77	46.00	Compliance
4.875000	40.27		9.000	L1	11.3	15.73	56.00	Compliance
14.500000		9.58	9.000	L1	11.3	40.42	50.00	Compliance
14.500000	14.95		9.000	L1	11.3	45.05	60.00	Compliance

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AC 120V/60 Hz, Neutral



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Frequency (MHz)	QuasiPeak (dBµV)	Average (dB µ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.185000		36.81	9.000	N	11.0	17.45	54.26	Compliance
0.185000	51.70		9.000	N	11.0	12.56	64.26	Compliance
0.320000		28.18	9.000	N	11.0	21.53	49.71	Compliance
0.320000	40.66		9.000	N	11.0	19.05	59.71	Compliance
0.600000		21.84	9.000	N	11.0	24.16	46.00	Compliance
0.600000	36.45		9.000	N	11.0	19.55	56.00	Compliance
2.930000		29.22	9.000	N	11.3	16.78	46.00	Compliance
2.930000	38.46		9.000	N	11.3	17.54	56.00	Compliance
5.040000		35.73	9.000	N	11.4	14.27	50.00	Compliance
5.040000	40.12		9.000	N	11.4	19.88	60.00	Compliance
16.740000		11.79	9.000	N	11.4	38.21	50.00	Compliance
16.740000	16.53		9.000	N	11.4	43.47	60.00	Compliance

Note:

Corr.=LISN VDF (Voltage Division Factor) + Cable Loss
 Corrected Amplitude = Reading + Corr.
 Margin = Limit -Corrected Amplitude

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

Applicable Standard

FCC §15.247 (d); §15.209; §15.205;

Measurement Uncertainty

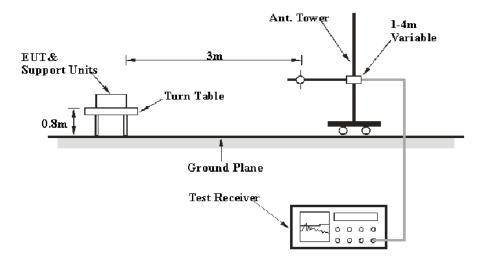
All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency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

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Based on CISPR 16-4-2:2011, the expended combined standard uncertainty of radiation emissions at Bay Area Compliance Laboratories Corp. (Kunshan) 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

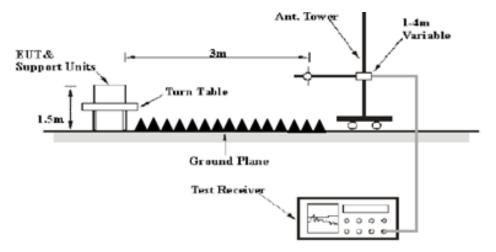
EUT Setup

Below 1 GHz:



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Above 1GHz:



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The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 limits.

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

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

Test Procedure

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

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

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Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sonoma Instrunent	Amplifier	330	171377	2015-09-16	2016-09-16
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2015-11-12	2016-11-11
Sunol Sciences	Broadband Antenna	JB3	A090314-2	2015-11-07	2016-11-06
ETS	Horn Antenna	3115	6229	2015-11-07	2016-11-06
EMCO	Horn Antenna	3116	9510-2384	2015-11-07	2016-11-06
Rohde & Schwarz	Signal Analyzer	FSIQ26	100048	2015-11-12	2016-11-11
Mini	Pre-amplifier	ZVA-183-S+	857001418	2015-09-16	2016-09-16
DUCOMMUN	Pre-amplifier	ALN-22093530-01	990147	2015-09-16	2016-09-16
champrotek	Chamber	Chamber A	1#	2015-09-17	2016-09-17
R&S	Auto test Software	EMC32	V 09.10.0	-	-
BACL	RF cable	KS-LAB-012	KS-LAB-012	2015-06-16	2016-12-15
BACL	RF cable	KS-LAB-010	KS-LAB-010	2015-06-16	2016-12-15

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Corrected Amplitude & Margin Calculation

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

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

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

Margin = Limit – Corrected Amplitude

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247.

WIFI Mode: 4.36 dB at 192 MHz in the Horizontal polarization for 802.11n-HT40 Mode

BLE Mode: 5.39 dB at 192 MHz in the Horizontal polarization

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level complies 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.

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

Test Data

Environmental Conditions

Temperature:	25 ℃
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

The testing was performed by Matt Yao on 2016-01-12 & 2016-01-14.

EUT operation mode: Transmitting

30MHz-25GHz

802.11b Mode:

Frequency	R	eceiver	Turntable	Rx An	tenna	Corrected Corrected		FCC I 15.247/2	
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dB \mu V/m)	Margin (dB)
			Lo	w Channe	l (2412 N	MHz)			
2412	94.31	PK	241.00	150.00	V	3.00	97.31	/	/
2412	87.45	Ave	241.00	150.00	V	3.00	90.45	/	/
2412	93.89	PK	162.00	150.00	Н	3.00	96.89	/	/
2412	86.44	Ave	162.00	150.00	Н	3.00	89.44	/	/
2369	33.06	PK	133.00	150.00	V	2.50	35.56	74.00	38.44
2369	21.82	Ave	133.00	150.00	V	2.50	24.32	54.00	29.68
2390	37.51	PK	219.00	200.00	V	2.90	40.41	74.00	33.59
2390	22.06	Ave	219.00	200.00	V	2.90	24.96	54.00	29.04
4824	36.73	PK	24.00	150.00	Н	13.80	50.53	74.00	23.47
4824	26.87	Ave	24.00	150.00	Н	13.80	40.67	54.00	13.33
6614	30.12	PK	89.00	200.00	V	18.80	48.92	74.00	25.08
6614	20.95	Ave	89.00	200.00	V	18.80	39.75	54.00	14.25
7236	33.36	PK	110.00	200.00	Н	18.80	52.16	74.00	21.84
7236	21.53	Ave	110.00	200.00	Н	18.80	40.33	54.00	13.67
192	44.2	QP	200.00	100.00	Н	-5.2	39.00	43.5	4.5

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								FCC 1	Dawt
Frequency	R	leceiver	Turntable	Rx An	tenna	Corrected	Corrected	15.247/2	
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dBµV/m)	Margin (dB)
			Mid	dle Chanr	el (2437	MHz)			
2437	93.98	PK	231.00	150.00	V	3.00	96.98	/	/
2437	87.41	Ave	231.00	150.00	V	3.00	90.41	/	/
2437	93.61	PK	123.00	200.00	Н	3.00	96.61	/	/
2437	86.46	Ave	123.00	200.00	Н	3.00	89.46	/	/
1489	37.65	PK	130.00	150.00	V	0.00	37.65	74.00	36.35
1489	24.56	Ave	130.00	150.00	V	0.00	24.56	54.00	29.44
1690	42.43	PK	167.00	200.00	Н	0.70	43.13	74.00	30.87
1690	24.12	Ave	167.00	200.00	Н	0.70	24.82	54.00	29.18
4874	40.21	PK	10.00	150.00	V	13.90	54.11	74.00	19.89
4874	29.04	Ave	10.00	150.00	V	13.90	42.94	54.00	11.06
6671	32.55	PK	356.00	200.00	Н	18.80	51.35	74.00	22.65
6671	19.36	Ave	356.00	200.00	Н	18.80	38.16	54.00	15.84
7311	25.62	PK	237.00	150.00	Н	18.90	44.52	74.00	29.48
7311	18.31	Ave	237.00	150.00	Н	18.90	37.21	54.00	16.79
192	43.74	QP	200.00	100.00	Н	-5.2	38.54	43.5	4.96
	D			Rx Antenna		enna Corrected	Corrected	FCC 1	Part
_	K	leceiver		KX An	tenna	Corrected	Corrected	15 247/2	05/200
Frequency (MHz)		r .	Turntable Degree			Corrected Factor	Amplitude	15.247/2	
Frequency (MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Turntable Degree	Height (cm)	Polar (H/V)			15.247/2 Limit (dBμV/m)	05/209 Margin (dB)
	Reading	Detector	Degree	Height	Polar (H/V)	Factor (dB)	Amplitude	Limit	Margin
	Reading	Detector	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude	Limit	Margin
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree Hig	Height (cm)	Polar (H/V) 1 (2462 M	Factor (dB) MHz)	Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
(MHz) 2462	Reading (dBµV)	Detector (PK/QP/Ave.)	Hig 120.00 120.00 180.00	Height (cm) gh Channe 200.00	Polar (H/V) 1 (2462 N	Factor (dB) MHz) 3.00	Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2462 2462	Reading (dBμV) 93.45 85.45	Detector (PK/QP/Ave.) PK Ave	Hig 120.00 120.00	Height (cm) gh Channe 200.00 200.00	Polar (H/V) 1 (2462 M	Factor (dB) MHz) 3.00 3.00	Amplitude (dBμV/m) 96.45 88.45	Limit (dBµV/m)	Margin (dB)
2462 2462 2462 2462	Reading (dBμV) 93.45 85.45 93.23	Detector (PK/QP/Ave.) PK Ave PK	Hig 120.00 120.00 180.00	Height (cm) gh Channe 200.00 200.00 100.00	Polar (H/V) 1 (2462 N V V H	Factor (dB) MHz) 3.00 3.00 3.00	Amplitude (dBμV/m) 96.45 88.45 96.23	Limit (dBµV/m)	Margin (dB)
2462 2462 2462 2462 2462	Reading (dBμV) 93.45 85.45 93.23 85.34	PK Ave PK Ave	Hig 120.00 120.00 180.00 180.00	Height (cm) 200.00 200.00 100.00	Polar (H/V) 1 (2462 N V V H H	Factor (dB) MHz) 3.00 3.00 3.00 3.00 3.00	Amplitude (dBμV/m) 96.45 88.45 96.23 88.34	Limit (dBµV/m)	/ / / / /
2462 2462 2462 2462 2462 2483.5	Reading (dBμV) 93.45 85.45 93.23 85.34 51.16	PK Ave PK Ave PK	Hig 120.00 120.00 180.00 180.00 145.00	Height (cm) 200.00 200.00 100.00 100.00 200.00	Polar (H/V) 1 (2462 N V V H H	Factor (dB) MHz) 3.00 3.00 3.00 3.00 3.20	Amplitude (dBμV/m) 96.45 88.45 96.23 88.34 54.36	Limit (dBμV/m) / / / 74.00	/ / / / 19.64
2462 2462 2462 2462 2462 2483.5 2483.5	Reading (dBμV) 93.45 85.45 93.23 85.34 51.16 37.80	PK Ave PK Ave PK Ave Ave	Hig 120.00 120.00 180.00 180.00 145.00	Height (cm) 200.00 200.00 100.00 200.00 200.00 200.00	Polar (H/V) 1 (2462 1 V V H H V	Factor (dB) MHz) 3.00 3.00 3.00 3.00 3.20 3.20	Amplitude (dBμV/m) 96.45 88.45 96.23 88.34 54.36 41.00	Limit (dBμV/m) / / / 74.00 54.00	/ / / / 19.64 13.00
2462 2462 2462 2462 2483.5 2483.5 2510	Reading (dBμV) 93.45 85.45 93.23 85.34 51.16 37.80 39.75	PK Ave PK Ave PK Ave PK Ave	Hig 120.00 120.00 180.00 180.00 145.00 145.00 330.00	Height (cm) 200.00 200.00 100.00 100.00 200.00 200.00 200.00	Polar (H/V) 1 (2462 N V V H H V V	Factor (dB) MHz) 3.00 3.00 3.00 3.00 3.20 4.20	Amplitude (dBμV/m) 96.45 88.45 96.23 88.34 54.36 41.00 43.95	Limit (dBμV/m) / / / 74.00 54.00 74.00	/ / / / 19.64 13.00 30.05
2462 2462 2462 2462 2483.5 2483.5 2510 1510	Reading (dBμV) 93.45 85.45 93.23 85.34 51.16 37.80 39.75 28.25	PK Ave PK Ave PK Ave PK Ave Ave	Hig 120.00 120.00 180.00 180.00 145.00 145.00 330.00	Height (cm) 200.00 200.00 100.00 200.00 200.00 200.00 200.00 200.00	Polar (H/V) 1 (2462 N V V H H V V V	Factor (dB) MHz) 3.00 3.00 3.00 3.00 3.20 4.20 4.20	Amplitude (dBμV/m) 96.45 88.45 96.23 88.34 54.36 41.00 43.95 32.45	Limit (dBμV/m) / / / 74.00 54.00 74.00 54.00	/ / / / 19.64 13.00 30.05 21.55
2462 2462 2462 2462 2483.5 2483.5 2510 1510 4924	Reading (dBμV) 93.45 85.45 93.23 85.34 51.16 37.80 39.75 28.25 44.41	PK Ave PK Ave PK Ave PK Ave PK Ave	Hig 120.00 120.00 180.00 180.00 145.00 145.00 330.00 330.00 67.00	Height (cm) 200.00 200.00 100.00 100.00 200.00 200.00 200.00 200.00 200.00	Polar (H/V) 1 (2462 N V V H H V V V V H	Factor (dB) MHz) 3.00 3.00 3.00 3.00 3.20 3.20 4.20 4.20 14.00	Amplitude (dBμV/m) 96.45 88.45 96.23 88.34 54.36 41.00 43.95 32.45 58.41	Limit (dBμV/m) / / /4.00 54.00 74.00 54.00 74.00	/ // // 19.64 13.00 30.05 21.55 15.59
2462 2462 2462 2462 2483.5 2483.5 2510 1510 4924 4924	Reading (dBμV) 93.45 85.45 93.23 85.34 51.16 37.80 39.75 28.25 44.41 35.88	PK Ave PK Ave PK Ave PK Ave PK Ave Ave Ave	Hig 120.00 120.00 180.00 180.00 145.00 145.00 330.00 67.00 67.00	Height (cm) 200.00 200.00 100.00 200.00 200.00 200.00 200.00 200.00 200.00	Polar (H/V) 1 (2462 N V V H H V V V H H H H H H H H H H H H	Factor (dB) 3.00 3.00 3.00 3.00 3.20 3.20 4.20 4.20 14.00 14.00	Amplitude (dBμV/m) 96.45 88.45 96.23 88.34 54.36 41.00 43.95 32.45 58.41 49.88	Limit (dBμV/m) / / /4.00 54.00 74.00 54.00 74.00 54.00 54.00	/ // // 19.64 13.00 30.05 21.55 15.59 4.12
2462 2462 2462 2462 2483.5 2483.5 2510 1510 4924 4924 6679	Reading (dBμV) 93.45 85.45 93.23 85.34 51.16 37.80 39.75 28.25 44.41 35.88 34.55	PK Ave PK Ave PK Ave PK Ave PK Ave PK Ave	Hig 120.00 120.00 180.00 180.00 145.00 145.00 330.00 330.00 67.00 67.00 123.00	Height (cm) 200.00 200.00 100.00 200.00 200.00 200.00 200.00 200.00 200.00 100.00	Polar (H/V) 1 (2462 M V V H H V V V H H H H H H H H H H H H	Factor (dB) MHz) 3.00 3.00 3.00 3.00 3.20 4.20 4.20 14.00 14.00 18.80	Amplitude (dBμV/m) 96.45 88.45 96.23 88.34 54.36 41.00 43.95 32.45 58.41 49.88 53.35	Limit (dBμV/m) / / /4.00 54.00 74.00 54.00 74.00 54.00 74.00	/ // // 19.64 13.00 30.05 21.55 15.59 4.12 20.65
2462 2462 2462 2462 2483.5 2483.5 2510 1510 4924 4924 6679 6679	Reading (dBμV) 93.45 85.45 93.23 85.34 51.16 37.80 39.75 28.25 44.41 35.88 34.55 16.84	PK Ave PK Ave PK Ave PK Ave PK Ave PK Ave Ave Ave Ave Ave	Hig 120.00 120.00 180.00 180.00 145.00 145.00 330.00 67.00 67.00 123.00	Height (cm) 200.00 200.00 100.00 200.00 200.00 200.00 200.00 200.00 100.00 100.00	Polar (H/V) 1 (2462 N V V H H V V V H H H H H H	Factor (dB) MHz) 3.00 3.00 3.00 3.00 3.20 4.20 4.20 14.00 18.80 18.80	Amplitude (dBμV/m) 96.45 88.45 96.23 88.34 54.36 41.00 43.95 32.45 58.41 49.88 53.35 35.64	Limit (dBμV/m) / / 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00	/ // // 19.64 13.00 30.05 21.55 15.59 4.12 20.65 18.36

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802.11g Mode:

Frequency	R	eceiver	Turntable	Rx An	tenna	Corrected	Corrected	FCC I 15.247/2			
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dBµV/m)	Margin (dB)		
			Lo	w Channe	l (2412 N	MHz)					
2412	92.78	PK	110.0	200.00	V	3.00	95.78	/	/		
2412	85.12	Ave	110.0	200.00	V	3.00	88.12	/	/		
2412	92.45	PK	40.0	200.00	Н	3.00	95.45	/	/		
2412	85.03	Ave	40.0	200.00	Н	3.00	88.03	/	/		
2369	34.06	PK	177.0	200.00	V	2.50	36.56	74.00	37.44		
2369	19.65	Ave	177.0	200.00	V	2.50	22.15	54.00	31.85		
2390	37.45	PK	65.0	200.00	Н	2.90	40.35	74.00	33.65		
2390	18.56	Ave	65.0	200.00	Н	2.90	21.46	54.00	32.54		
4824	35.20	PK	91.0	200.00	Н	13.80	49.00	74.00	25.00		
4824	21.42	Ave	91.0	200.00	Н	13.80	35.22	54.00	18.78		
6670	31.37	PK	230.0	150.00	V	18.80	50.17	74.00	23.83		
6670	17.44	Ave	230.0	150.00	V	18.80	36.24	54.00	17.76		
7236	32.65	PK	170.0	200.00	Н	18.80	51.45	74.00	22.55		
7236	21.61	Ave	170.0	200.00	Н	18.80	40.41	54.00	13.59		
192	43.67	QP	200.00	100.00	Н	-5.2	38.47	43.5	5.03		
Frequency	R	eceiver	Turntable	Rx An	Rx Antenna		Corrected	FCC 1 15.247/2			
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dBµV/m)	Margin (dB)		
	$(dB\mu V) (PK/QP/Ave.) (cm) (H/V) (dB\mu V/m) (dB\mu V/m) (dB)$										
		,	Mid	dle Chann	el (2437	MHz)					
2437	92.60	PK	Mid 120.0	dle Chann 200.00	el (2437 V	MHz) 3.00	95.60	/	/		
2437 2437	92.60 84.56	PK Ave			`		95.60 87.56	/	/		
1			120.0	200.00	V	3.00		/ /	/ /		
2437	84.56	Ave	120.0 120.0	200.00	V	3.00 3.00	87.56	/ / /	/ / /		
2437 2437	84.56 92.43	Ave PK	120.0 120.0 60.0	200.00 200.00 200.00	V V H	3.00 3.00 3.00	87.56 95.43	/ / / / 74.00	/ / / 34.87		
2437 2437 2437	84.56 92.43 84.24	Ave PK Ave	120.0 120.0 60.0 60.0	200.00 200.00 200.00 200.00	V V H	3.00 3.00 3.00 3.00	87.56 95.43 87.24	/	/ / / 34.87 32.33		
2437 2437 2437 1490 1490	84.56 92.43 84.24 39.13 21.67	Ave PK Ave PK Ave	120.0 120.0 60.0 60.0 190.0	200.00 200.00 200.00 200.00 200.00 200.00	V V H H V V	3.00 3.00 3.00 3.00 0.00 0.00	87.56 95.43 87.24 39.13 21.67	74.00 54.00	32.33		
2437 2437 2437 1490	84.56 92.43 84.24 39.13	Ave PK Ave PK	120.0 120.0 60.0 60.0 190.0	200.00 200.00 200.00 200.00 200.00	V V H H	3.00 3.00 3.00 3.00 0.00	87.56 95.43 87.24 39.13	74.00			
2437 2437 2437 1490 1490 1589	84.56 92.43 84.24 39.13 21.67 40.68	Ave PK Ave PK Ave PK Ave	120.0 120.0 60.0 60.0 190.0 190.0 80.0	200.00 200.00 200.00 200.00 200.00 200.00 200.00	V V H H V V H	3.00 3.00 3.00 3.00 0.00 0.00 0.70	87.56 95.43 87.24 39.13 21.67 41.38	74.00 54.00 74.00	32.33 32.62		
2437 2437 2437 1490 1490 1589 1589	84.56 92.43 84.24 39.13 21.67 40.68 26.39	Ave PK Ave PK Ave PK Ave Ave	120.0 120.0 60.0 60.0 190.0 190.0 80.0	200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00	V V H H V V H H H	3.00 3.00 3.00 3.00 0.00 0.00 0.70 0.70	87.56 95.43 87.24 39.13 21.67 41.38 27.09	74.00 54.00 74.00 54.00	32.33 32.62 26.91		
2437 2437 2437 1490 1490 1589 1589 4874	84.56 92.43 84.24 39.13 21.67 40.68 26.39 40.30	Ave PK Ave PK Ave PK Ave PK Ave	120.0 120.0 60.0 60.0 190.0 190.0 80.0 80.0	200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00	V V H H V V V H H V V	3.00 3.00 3.00 3.00 0.00 0.00 0.70 0.70	87.56 95.43 87.24 39.13 21.67 41.38 27.09 54.20	74.00 54.00 74.00 54.00 74.00	32.33 32.62 26.91 19.80		
2437 2437 2437 1490 1490 1589 1589 4874 4874	84.56 92.43 84.24 39.13 21.67 40.68 26.39 40.30 29.05	Ave PK Ave PK Ave PK Ave PK Ave Ave	120.0 120.0 60.0 60.0 190.0 190.0 80.0 80.0 0.0	200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00	V V H H V V V	3.00 3.00 3.00 3.00 0.00 0.00 0.70 0.70 13.90 13.90	87.56 95.43 87.24 39.13 21.67 41.38 27.09 54.20 42.95	74.00 54.00 74.00 54.00 74.00 54.00	32.33 32.62 26.91 19.80 11.05		
2437 2437 2437 1490 1490 1589 1589 4874 4874 6650	84.56 92.43 84.24 39.13 21.67 40.68 26.39 40.30 29.05 31.65	Ave PK Ave PK Ave PK Ave PK Ave PK Ave	120.0 120.0 60.0 60.0 190.0 190.0 80.0 80.0 0.0 0.0	200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 150.00	V V H H V V V H H H V V V H H	3.00 3.00 3.00 3.00 0.00 0.00 0.70 0.70	87.56 95.43 87.24 39.13 21.67 41.38 27.09 54.20 42.95 50.45	74.00 54.00 74.00 54.00 74.00 54.00 74.00	32.33 32.62 26.91 19.80 11.05 23.55		
2437 2437 2437 1490 1490 1589 1589 4874 4874 6650 6650	84.56 92.43 84.24 39.13 21.67 40.68 26.39 40.30 29.05 31.65 18.86	Ave PK Ave PK Ave PK Ave PK Ave PK Ave Ave Ave	120.0 120.0 60.0 60.0 190.0 190.0 80.0 80.0 0.0 0.0 310.0	200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 200.00 150.00	V V H H V V V H H H H H H H H H H H H H	3.00 3.00 3.00 3.00 0.00 0.00 0.70 0.70	87.56 95.43 87.24 39.13 21.67 41.38 27.09 54.20 42.95 50.45 37.66	74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00	32.33 32.62 26.91 19.80 11.05 23.55 16.34		

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Frequency	R	Receiver		Rx An	tenna	Corrected	Corrected		FCC Part 15.247/205/209	
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dBµV/m)	Margin (dB)	
			Hig	h Channe	l (2462 N	MHz)				
2462	92.31	PK	96.0	200.0	V	3.00	95.31	/	/	
2462	84.22	Ave	96.0	200.0	V	3.00	87.22	/	/	
2462	92.03	PK	36.0	150.0	Н	3.00	95.03	/	/	
2462	84.00	Ave	36.0	150.0	Н	3.00	87.00	/	/	
2483.5	50.96	PK	166.0	150.0	V	3.20	54.16	74.00	19.84	
2483.5	41.72	Ave	166.0	150.0	V	3.20	44.92	54.00	9.08	
2620	38.25	PK	60.0	150.0	Н	4.20	42.45	74.00	31.55	
2620	26.73	Ave	60.0	150.0	Н	4.20	30.93	54.00	23.07	
4924	41.74	PK	20.0	200.0	V	14.00	55.74	74.00	18.26	
4924	30.35	Ave	20.0	200.0	V	14.00	44.35	54.00	9.65	
6622	31.65	PK	286.0	200.0	Н	18.70	50.35	74.00	23.65	
6622	18.71	Ave	286.0	200.0	Н	18.70	37.41	54.00	16.59	
7386	27.83	PK	170.0	200.0	V	19.80	47.63	74.00	26.37	
7386	16.76	Ave	170.0	200.0	V	19.80	36.56	54.00	17.44	
192	42.78	QP	200.00	100.00	Н	-5.2	37.58	43.5	5.92	

802.11n-HT20 Mode:

Frequency (MHz)	Receiver		Turntable	Rx An	tenna	Corrected	Corrected	FCC Part 15.247/205/209	
	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dBµV/m)	Margin (dB)
			Lo	w Channe	l (2412 N	MHz)			
2412	91.67	PK	160.0	200.00	V	3.00	94.67	/	/
2412	84.12	Ave	160.0	200.00	V	3.00	87.12	/	/
2412	91.34	PK	89.0	200.00	Н	3.00	94.34	/	/
2412	83.94	Ave	89.0	200.00	Н	3.00	86.94	/	/
2373	30.34	PK	290.0	150.00	Н	2.90	33.24	74.00	40.76
2373	21.77	Ave	290.0	150.00	Н	2.90	24.67	54.00	29.33
2390	40.35	PK	119.0	150.00	V	2.90	43.25	74.00	30.75
2390	21.04	Ave	119.0	150.00	V	2.90	23.94	54.00	30.06
4824	27.76	PK	61.0	200.00	Н	13.80	41.56	74.00	32.44
4824	23.13	Ave	61.0	200.00	Н	13.80	36.93	54.00	17.07
6650	29.76	PK	322.0	150.00	V	18.80	48.56	74.00	25.44
6650	17.02	Ave	322.0	150.00	V	18.80	35.82	54.00	18.18
7236	32.56	PK	188.0	200.00	Н	18.80	51.36	74.00	22.64
7236	25.43	Ave	188.0	200.00	Н	18.80	44.23	54.00	9.77
192	42.31	QP	200	100	Н	-5.2	37.11	43.5	6.39

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Frequency (MHz)	Receiver		Turntable	Rx An	tenna	Corrected	Corrected	FCC Part 15.247/205/209	
	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dBµV/m)	Margin (dB)
			Mid	dle Chann	el (2437	MHz)			
2437	91.58	PK	150.0	200.00	V	3.00	94.58	/	/
2437	84.21	Ave	150.0	200.00	V	3.00	87.21	/	/
2437	91.21	PK	90.0	200.00	Н	3.00	94.21	/	/
2437	83.36	Ave	90.0	200.00	Н	3.00	86.36	/	/
1550	35.47	PK	220.0	200.00	V	0.00	35.47	74.00	38.53
1550	25.11	Ave	220.0	200.00	V	0.00	25.11	54.00	28.89
2283	37.77	PK	110.0	200.00	Н	0.70	38.47	74.00	35.53
2283	25.74	Ave	110.0	200.00	Н	0.70	26.44	54.00	27.56
4874	37.64	PK	30.0	200.00	V	13.90	51.54	74.00	22.46
4874	31.08	Ave	30.0	200.00	V	13.90	44.98	54.00	9.02
6649	31.42	PK	340.0	150.00	Н	18.80	50.22	74.00	23.78
6649	16.46	Ave	340.0	150.00	Н	18.80	35.26	54.00	18.74
7311	26.42	PK	224.0	150.00	Н	18.90	45.32	74.00	28.68
7311	22.35	Ave	224.0	150.00	Н	18.90	41.25	54.00	12.75
192	42.15	QP	200	100	Н	-5.2	36.95	43.5	6.55

Frequency (MHz)	Receiver		Turntable	Rx An	tenna	Corrected	Corrected	FCC Part 15.247/205/209	
	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dBµV/m)	Margin (dB)
			Hig	gh Channe	l (2462 l	MHz)			
2462	91.50	PK	126.0	200.0	V	3.00	94.50	/	/
2462	83.47	Ave	126.0	200.0	V	3.00	86.47	/	/
2462	91.23	PK	90.0	150.0	Н	3.00	94.23	/	/
2462	83.21	Ave	90.0	150.0	Н	3.00	86.21	/	/
2483.5	51.13	PK	180.0	150.0	V	3.20	54.33	74.00	19.67
2483.5	38.82	Ave	180.0	150.0	V	3.20	42.02	54.00	11.98
2490	37.16	PK	90.0	150.0	Н	4.20	41.36	74.00	32.64
2490	20.94	Ave	90.0	150.0	Н	4.20	25.14	54.00	28.86
4924	41.24	PK	230.0	200.0	V	14.00	55.24	74.00	18.76
4924	30.32	Ave	230.0	200.0	V	14.00	44.32	54.00	9.68
6647	29.86	PK	289.0	150.0	Н	18.70	48.56	74.00	25.44
6647	16.99	Ave	289.0	150.0	Н	18.70	35.69	54.00	18.31
7386	25.89	PK	188.0	200.0	V	19.80	45.69	74.00	28.31
7386	22.56	Ave	188.0	200.0	V	19.80	42.36	54.00	11.64
192	42.76	QP	200	100	Н	-5.2	37.56	43.5	5.94

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802.11n-HT40 Mode:

Frequency	R	eceiver	Turntable	Rx An	tenna	Corrected	Corrected	FCC Part 15.247/205/209				
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dBµV/m)	Margin (dB)			
	Low Channel (2422 MHz)											
2422	91.24	PK	154.0	200.00	V	3.00	94.24	/	/			
2422	83.41	Ave	154.0	200.00	V	3.00	86.41	/	/			
2422	91.06	PK	100.0	200.00	Н	3.00	94.06	/	/			
2422	83.14	Ave	100.0	200.00	Н	3.00	86.14	/	/			
2359	29.64	PK	250.0	150.00	Н	2.90	32.54	74.00	41.46			
2359	22.42	Ave	250.0	150.00	Н	2.90	25.32	54.00	28.68			
2390	38.79	PK	168.0	150.00	V	2.90	41.69	74.00	32.31			
2390	20.12	Ave	168.0	150.00	V	2.90	23.02	54.00	30.98			
4844	26.74	PK	330.0	200.00	Н	13.80	40.54	74.00	33.46			
4844	21.64	Ave	330.0	200.00	Н	13.80	35.44	54.00	18.56			
6675	27.08	PK	128.0	150.00	V	18.80	45.88	74.00	28.12			
6675	15.85	Ave	128.0	150.00	V	18.80	34.65	54.00	19.35			
7266	31.56	PK	215.0	200.00	Н	18.80	50.36	74.00	23.64			
7266	23.15	Ave	215.0	200.00	Н	18.80	41.95	54.00	12.05			
192	43.89	QP	200	100	Н	-5.2	38.69	43.5	4.81			

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Frequency	Receiver		Turntable	Rx An	tenna	Corrected	Corrected	FCC Part 15.247/205/209			
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dBµV/m)	Margin (dB)		
	Middle Channel (2437 MHz)										
2437	91.16	PK	175.0	200.00	V	3.00	94.16	/	/		
2437	83.54	Ave	175.0	200.00	V	3.00	86.54	/	/		
2437	90.88	PK	82.0	200.00	Н	3.00	93.88	/	/		
2437	83.30	Ave	82.0	200.00	Н	3.00	86.30	/	/		
1554	34.25	PK	154.0	150.00	V	0.00	34.25	74.00	39.75		
1554	23.58	Ave	154.0	150.00	V	0.00	23.58	54.00	30.42		
2290	36.54	PK	120.0	200.00	Н	0.70	37.24	74.00	36.76		
2290	27.61	Ave	120.0	200.00	Н	0.70	28.31	54.00	25.69		
4874	36.57	PK	49.0	200.00	V	13.90	50.47	74.00	23.53		
4874	29.42	Ave	49.0	200.00	V	13.90	43.32	54.00	10.68		
6649	29.44	PK	336.0	150.00	Н	18.80	48.24	74.00	25.76		
6649	14.89	Ave	336.0	150.00	Н	18.80	33.69	54.00	20.31		
7311	27.97	PK	246.0	150.00	Н	18.90	46.87	74.00	27.13		
7311	21.68	Ave	246.0	150.00	Н	18.90	40.58	54.00	13.42		
192	42.78	QP	200	100	Н	-5.2	37.58	43.5	5.92		

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Frequency	R	eceiver	Turntable	Rx An	tenna	Corrected	Corrected Amplitude (dBµV/m)		FCC Part 15.247/205/209	
(MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)		Limit (dBµV/m)	Margin (dB)	
			Hig	gh Channe	1 (2452 1	MHz)				
2452	91.08	PK	126.0	200.0	V	3.00	94.08	/	/	
2452	83.24	Ave	126.0	200.0	V	3.00	86.24	/	/	
2452	90.89	PK	90.0	150.0	Н	3.00	93.89	/	/	
2452	83.11	Ave	90.0	150.0	Н	3.00	86.11	/	/	
2483.5	50.01	PK	180.0	150.0	V	3.20	53.21	74.00	20.79	
2483.5	38.01	Ave	180.0	150.0	V	3.20	41.21	54.00	12.79	
2490	34.27	PK	90.0	150.0	Н	4.20	38.47	74.00	35.53	
2490	21.02	Ave	90.0	150.0	Н	4.20	25.22	54.00	28.78	
4904	38.39	PK	230.0	200.0	V	14.00	52.39	74.00	21.61	
4904	28.21	Ave	230.0	200.0	V	14.00	42.21	54.00	11.79	
6658	26.66	PK	289.0	150.0	Н	18.70	45.36	74.00	28.64	
6658	16.27	Ave	289.0	150.0	Н	18.70	34.97	54.00	19.03	
7356	24.41	PK	188.0	200.0	V	19.80	44.21	74.00	29.79	
7356	19.78	Ave	188.0	200.0	V	19.80	39.58	54.00	14.42	
192	44.34	QP	200	100	Н	-5.2	39.14	43.5	4.36	

BLE Mode:

Frequency (MHz)	Receiver		Turntable	Rx An	tenna	Corrected	Corrected	FCC Part 15.247/205/209				
	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dB µ V/m)	Margin (dB)			
	Low Channel (2402 MHz)											
2402	90.25	PK	185	150	V	3	93.25	/	/			
2402	81.25	Ave	185	150	V	3	84.25	/	/			
2402	90.04	PK	150	150	Н	3	93.04	/	/			
2402	81.21	Ave	150	150	Н	3	84.21	/	/			
2365	29.15	Ave	66	150	Н	4.1	33.25	54	20.75			
2365	37.91	PK	66	150	Н	4.1	42.01	74	31.99			
2390	23.55	Ave	38	150	V	4.1	27.65	54	26.35			
2390	34.14	PK	38	150	V	4.1	38.24	74	35.76			
4804	31.55	Ave	124	150	Н	13.7	45.25	54	8.75			
4804	40.66	PK	124	150	Н	13.7	54.36	74	19.64			
6675	33.21	PK	154	250	V	18.8	52.01	74	21.99			
6675	19.41	Ave	154	250	V	18.8	38.21	54	15.79			
7206	31.89	PK	269	150	V	20.5	52.39	74	21.61			
7206	24.51	Ave.	269	150	V	20.5	45.01	54	8.99			
192	43.16	QP	200	100	Н	-5.2	37.96	43.5	5.54			

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F	R	eceiver	Turntable	Rx An	tenna	Corrected	Corrected	FCC Part 15.247/205/209		
Frequency (MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Degree	Height (cm)	Polar (H/V)	Factor (dB)	Amplitude (dBμV/m)	Limit (dB µ V/m)	Margin (dB)	
	Middle Channel (2440MHz)									
2440	90.54	PK	168	150	V	2.6	93.14	/	/	
2440	81.63	Ave	168	150	V	2.6	84.23	/	/	
2440	90.61	PK	168	150	Н	2.6	93.21	/	/	
2440	81.6	Ave	168	150	Н	2.6	84.2	/	/	
1493	30.47	Ave	156	250	V	0	30.47	54	23.53	
1493	45.32	PK	156	250	V	0	45.32	74	28.68	
2256	34.44	Ave	320	150	V	0.7	35.14	54	18.86	
2256	44.51	PK	320	150	V	0.7	45.21	74	28.79	
4880	39.11	PK	21	150	Н	13.9	53.01	74	20.99	
4880	33.32	Ave	21	150	Н	13.9	47.22	54	6.78	
6667	34.26	PK	83	249	Н	18.8	53.06	74	20.94	
6667	20.34	Ave	83	249	Н	18.8	39.14	54	14.86	
7320	34.41	PK	266	150	V	20.8	55.21	74	18.79	
7320	23.62	Ave.	266	150	V	20.8	44.42	54	9.58	
192	43.31	QP	200	100	Н	-5.2	38.11	43.5	5.39	

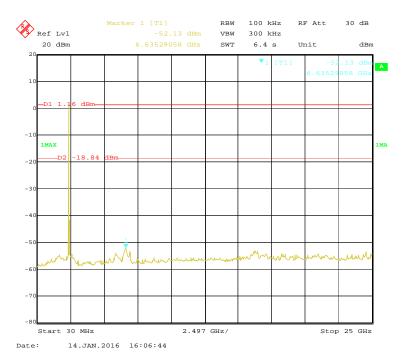
	R	eceiver		Rx An	tenna	Corrected	Corrected Amplitude (dBµV/m)	FCC Part 15.247/205/209			
Frequency (MHz)	Reading (dBµV)	Detector (PK/QP/Ave.)	Turntable Degree	Height (cm)	Polar (H/V)	Factor (dB)		Limit (dB µ V/m)	Margin (dB)		
	High Channel (2480 MHz)										
2480	91.19	PK	154	100	V	3.2	94.39	/	/		
2480	81.16	Ave	154	100	V	3.2	84.36	/	/		
2480	91.05	PK	136	100	Н	3.2	94.25	/	/		
2480	80.36	Ave	136	100	Н	3.2	83.56	/	/		
2483.5	41.45	PK	50	249	Н	4.2	45.65	74	28.35		
2483.5	38.11	Ave	50	249	Н	4.2	42.31	54	11.69		
2521	37.71	PK	100	249	Н	4.4	42.11	74	31.89		
2521	28.62	Ave	100	249	Н	4.4	33.02	54	20.98		
4960	31.64	Ave	321	150	Н	14.1	45.74	54	8.26		
4960	38.04	PK	321	150	Н	14.1	52.14	74	21.86		
6678	31.56	PK	25	250	V	18.8	50.36	74	23.64		
6678	16.41	Ave	25	250	V	18.8	35.21	54	18.79		
7440	33.81	PK	208	150	V	21.2	55.01	74	18.99		
7440	22	Ave	208	150	V	21.2	43.2	54	10.8		
192	42.45	QP	200	100	Н	-5.2	37.25	43.5	6.25		

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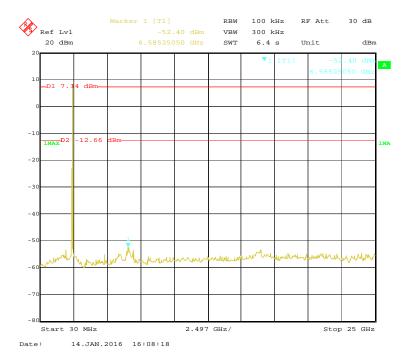
Conducted Spurious Emissions at Antenna Port

802.11b Low Channel

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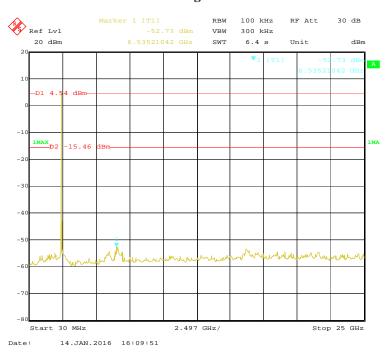
802.11b Middle Channel



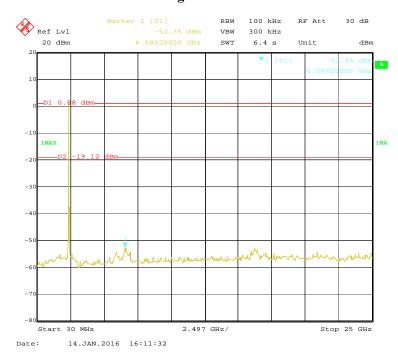
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802.11b High Channel

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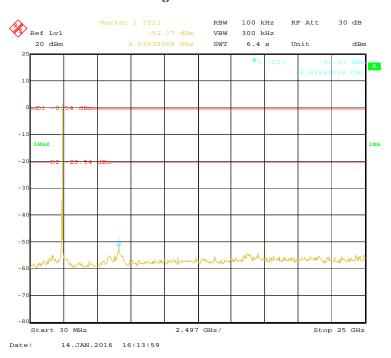
802.11g Low Channel



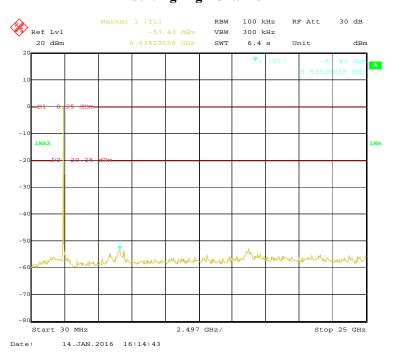
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802.11g Middle Channel

Report No.: RKS151231001-00A



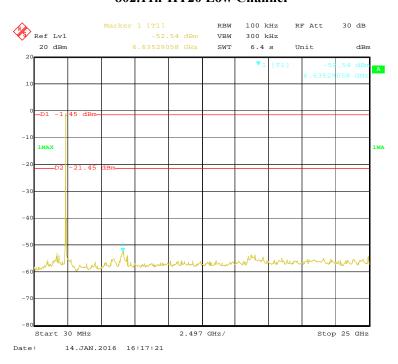
802.11g High Channel



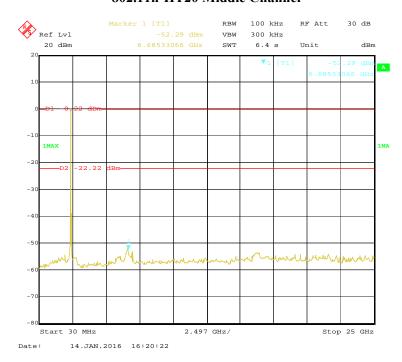
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802.11n-HT20 Low Channel

Report No.: RKS151231001-00A



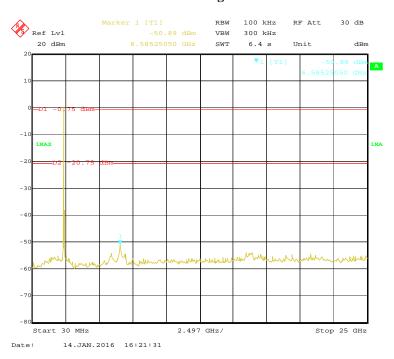
802.11n-HT20 Middle Channel



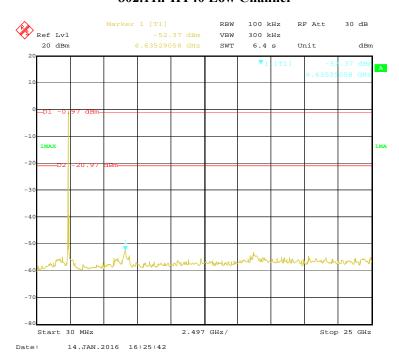
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802.11n-HT20 High Channel

Report No.: RKS151231001-00A



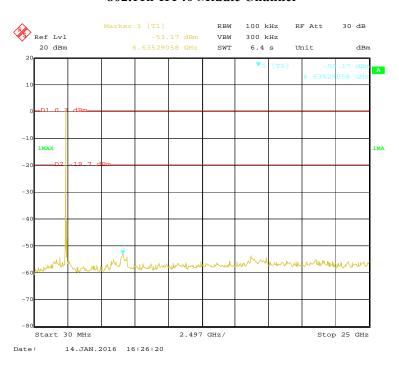
802.11n-HT40 Low Channel



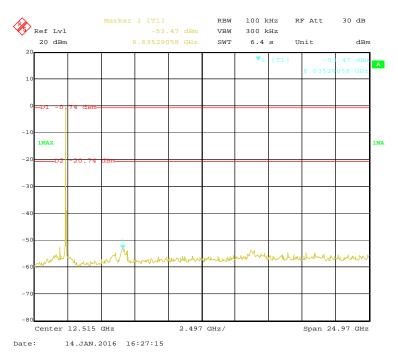
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802.11n-HT40 Middle Channel

Report No.: RKS151231001-00A



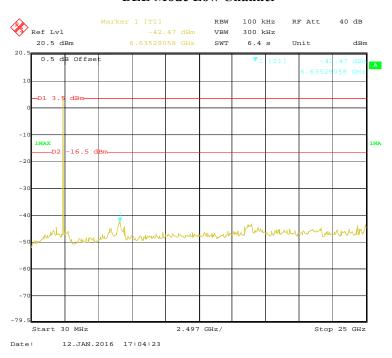
802.11n-HT40 High Channel



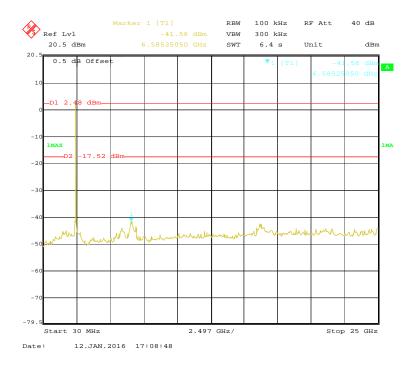
FCC Part 15.247 Page 35 of 65

BLE Mode Low Channel

Report No.: RKS151231001-00A



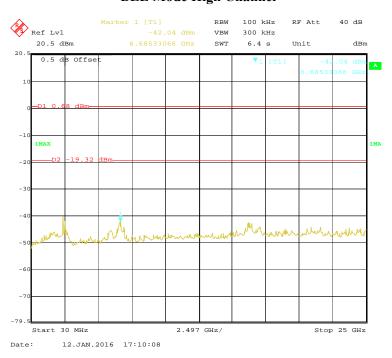
BLE Mode Middle Channel



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BLE Mode High Channel

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FCC $\S15.247(a)$ (2) – 6 dB EMISSION BANDWIDTH

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.: RKS151231001-00A

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	Signal Analyzer	FSIQ26	100048	2015-11-12	2016-11-11
BACL	RF cable	KS-LAB-012	KS-LAB-012	2015-06-16	2016-12-15
MegSine	attenuator	MATS002G6-10	1300021	2015-06-16	2016-6-15

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) 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:	27 ℃	
Relative Humidity:	55 %	
ATM Pressure:	101.0 kPa	

The testing was performed by Matt Yao on 2016-01-12&2016-01-14.

Test Result: Pass.

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Please refer to the following tables and plots.

EUT operation mode: Transmitting

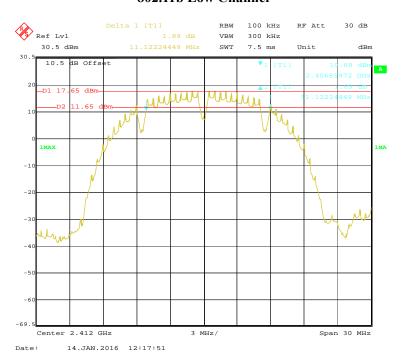
Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (kHz)			
	802.11	b mode				
Low	2412	11.12	≥500			
Middle	2437	10.22	≥500			
High	2462	10.22	≥500			
	802.11	g mode				
Low	2412	16.41	≥500			
Middle	2437	16.47	≥500			
High	2462	16.29	≥500			
	802.11n-H	IT20 mode				
Low	2412	17.74	≥500			
Middle	2437	17.74	≥500			
High	2462	17.56	≥500			
	802.11n-H	IT40 mode				
Low	2422	36.55	≥500			
Middle	2437	36.55	≥500			
High	2452	36.55	≥500			
	BLE mode					
Low	2402	0.878	≥500			
Middle	2440	0.800	≥500			
High	2480	0.854	≥500			

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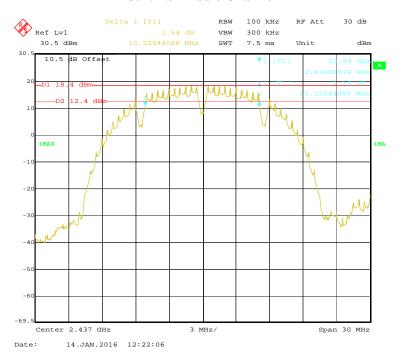
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802.11b Low Channel

Report No.: RKS151231001-00A



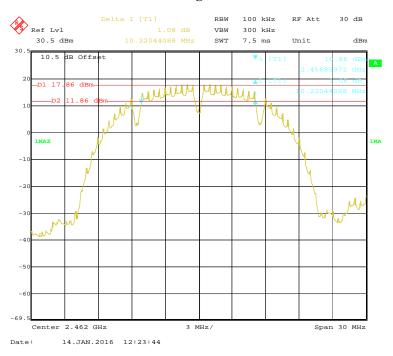
802.11b Middle Channel



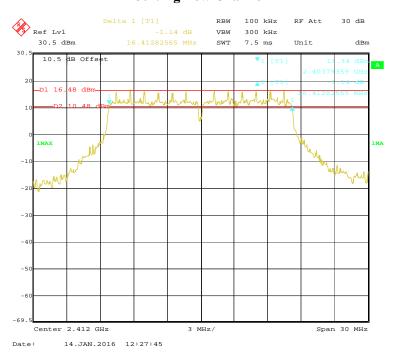
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802.11b High Channel

Report No.: RKS151231001-00A



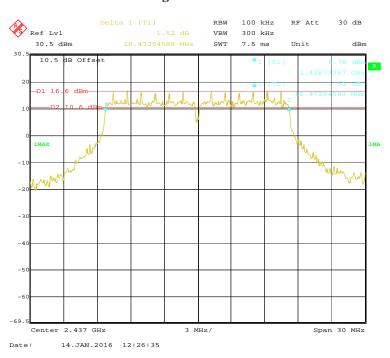
802.11g Low Channel



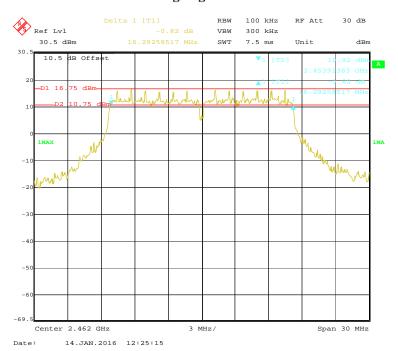
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802.11g Middle Channel

Report No.: RKS151231001-00A



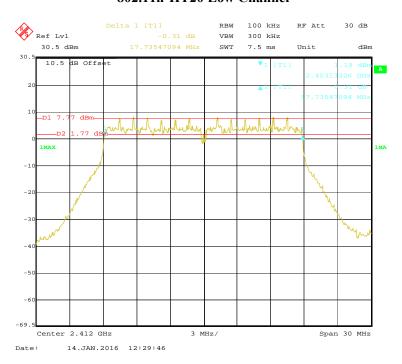
802.11g High Channel



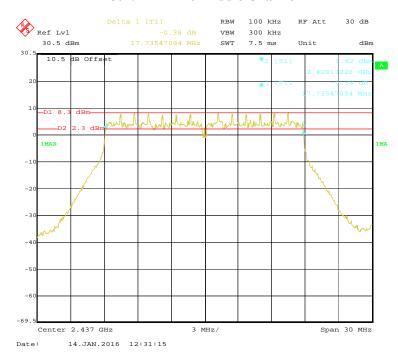
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802.11n-HT20 Low Channel

Report No.: RKS151231001-00A



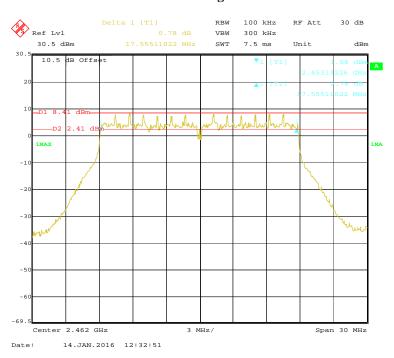
802.11n-HT20 Middle Channel



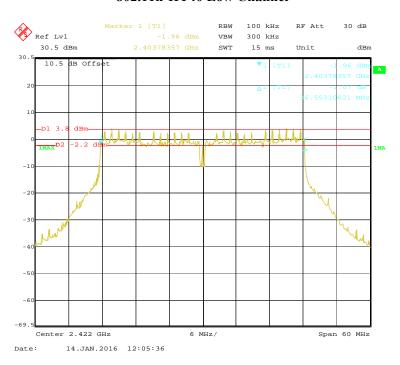
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802.11n-HT20 High Channel



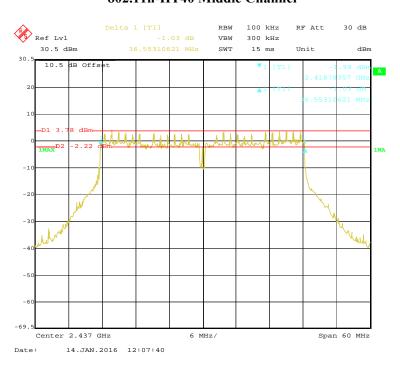
802.11n-HT40 Low Channel



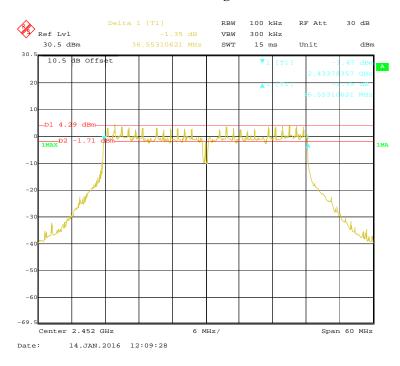
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802.11n-HT40 Middle Channel

Report No.: RKS151231001-00A



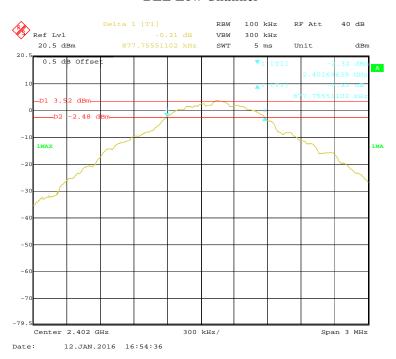
802.11n-HT40 High Channel



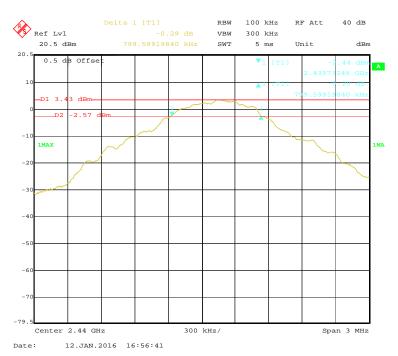
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BLE Low Channel

Report No.: RKS151231001-00A



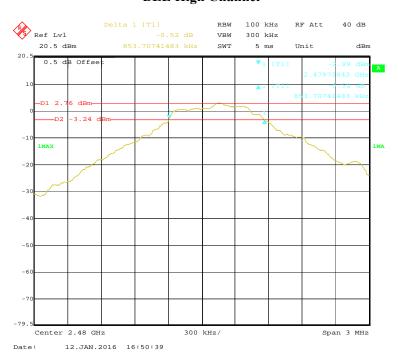
BLE Middle Channel



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BLE High Channel

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

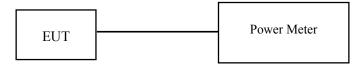
Applicable Standard

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.

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Test Procedure

- 1. Place the EUT on a bench and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.
- 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	OSP120 BASE UNIT	OSP120	101247	2014-5-27	2016-5-27
Rohde & Schwarz	Power Sensor	NRP-Z91	200014	2015-8-1	2017-7-31
BACL	RF cable	KS-LAB-012	KS-LAB-012	2015-6-16	2016-12-15

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) 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:	27 ℃	
Relative Humidity:	55 %	
ATM Pressure:	101.0 kPa	

The testing was performed by Matt Yao on 2016-01-12 & 2016-01-14

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Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)			
	802.11b					
Low	2412	16.98	30			
Middle	2437	16.73	30			
High	2462	16.34	30			
	•	802.11g				
Low	2412	14.77	30			
Middle	2437	14.61	30			
High	2462	14.44	30			
	802.11n-HT20					
Low	2412	13.59	30			
Middle	2437	13.28	30			
High	2462	13.05	30			
802.11n-HT40						
Low	2422	13.67	30			
Middle	2437	13.31	30			
High	2452	13.02	30			

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BLE mode

Channel	Frequency (MHz)	Max Peak Output Power (dBm)	Limit (dBm)	Result
Low	2402	3.95	30	Pass
Middle	2440	3.87	30	Pass
High	2480	3.29	30	Pass

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

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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	Signal Analyzer	FSIQ26	100048	2015-11-12	2016-11-11
BACL	RF cable	KS-LAB-012	KS-LAB-012	2015-06-16	2016-12-15

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) 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:	27 ℃	
Relative Humidity:	55 %	
ATM Pressure:	101.0 kPa	

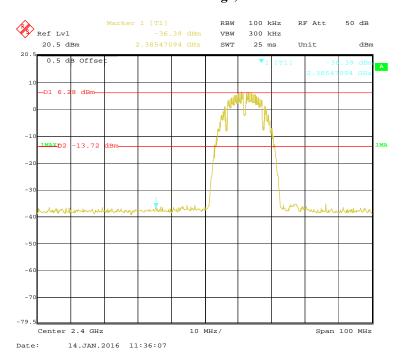
The testing was performed by Matt Yao on 2016-01-12&2016-01-14.

Test Result: Compliance

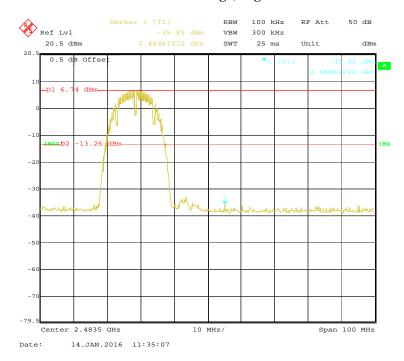
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802.11b: Band Edge, Left Side

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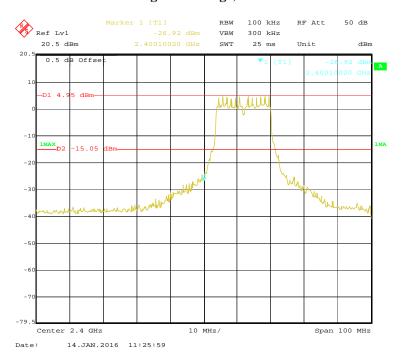
802.11b: Band Edge, Right Side



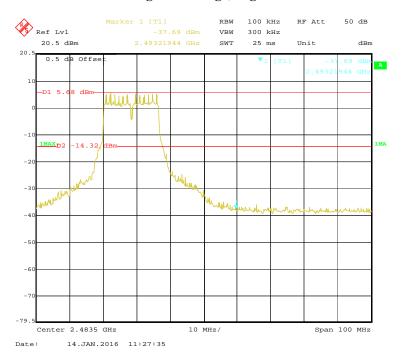
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802.11g: Band Edge, Left Side

Report No.: RKS151231001-00A



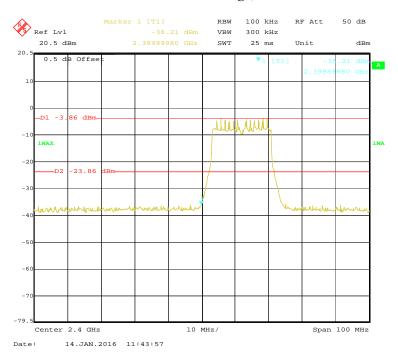
802.11g: Band Edge, Right Side



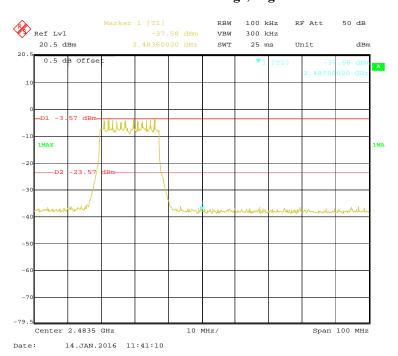
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802.11n-HT20: Band Edge, Left Side

Report No.: RKS151231001-00A



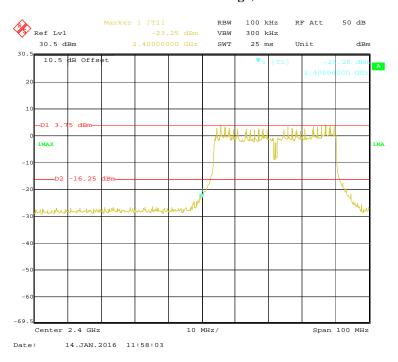
802.11n-HT20: Band Edge, Right Side



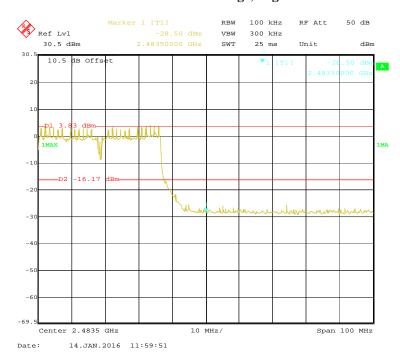
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802.11n-HT40: Band Edge, Left Side

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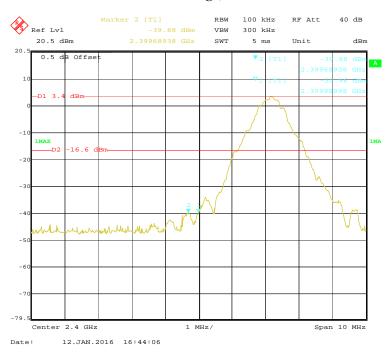
802.11n-HT40: Band Edge, Right Side



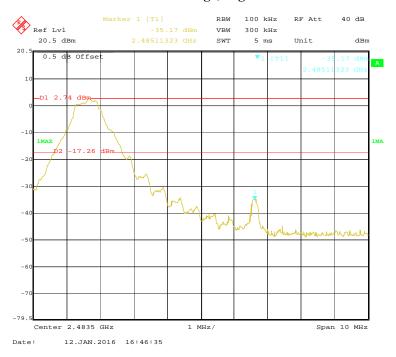
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BLE: Band Edge, Left Side

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BLE: Band Edge, Right Side



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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.

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Test Procedure

According to KDB558074 D01 DTS Meas Guidance v03r04 sub-clause 10.2

- 1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
- 2. Set the RBW to: $3kHz \le RBW \le 100 kHz$.
- 3. Set the VBW \geq 3×RBW.
- 4. Set the span to 1.5 times the DTS bandwidth.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ26	100048	2015-11-12	2016-11-11
BACL	RF cable	KS-LAB-012	KS-LAB-012	2015-06-16	2016-12-15

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) 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:	27 ℃	
Relative Humidity:	55 %	
ATM Pressure:	101.0 kPa	

The testing was performed by Matt Yao on 2016-01-12&2016-01-14.

EUT operation mode: Transmitting

Test Result: Pass

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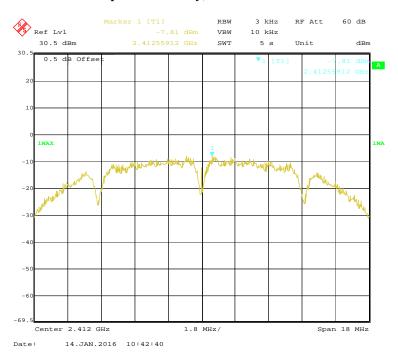
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)				
	802.11b mode						
Low	2412	-7.81	≤8				
Middle	2437	-7.75	≤8				
High	2462	-7.75	≤8				
	802.11g	mode					
Low	2412	-9.01	≤8				
Middle	2437	-9.77	≤8				
High	2462	-9.45	≤8				
	802.11n-HT20 mode						
Low	2412	-16.55	≤8				
Middle	2437	-15.69	≤8				
High	2462	-15.17	≤8				
	802.11n-H	Γ40 mode					
Low	2422	-15.23	≤8				
Middle	2437	-14.69	≤8				
High	2452	-15.20	≤8				
BLE mode							
Low	2402	-9.46	≤8				
Middle	2440	-9.16	≤8				
High	2480	-9.51	≤8				

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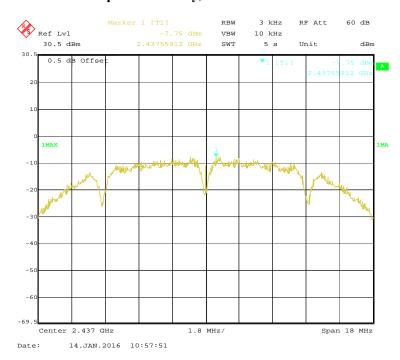
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Power Spectral Density, 802.11b Low Channel

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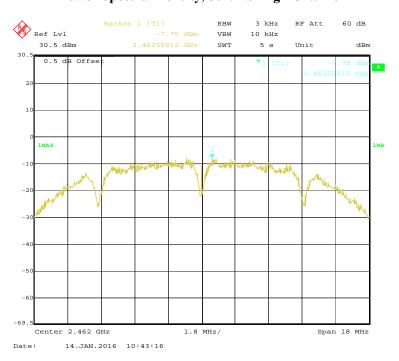
Power Spectral Density, 802.11b Middle Channel



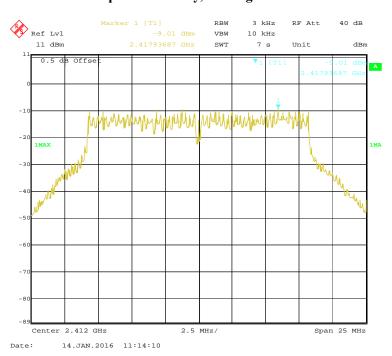
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Power Spectral Density, 802.11b High Channel

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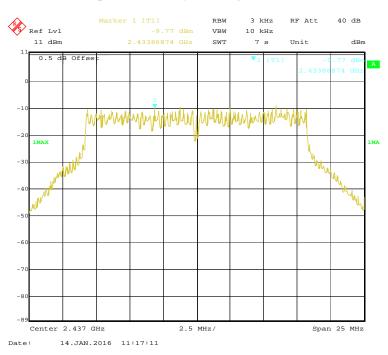


Power Spectral Density, 802.11g Low Channel

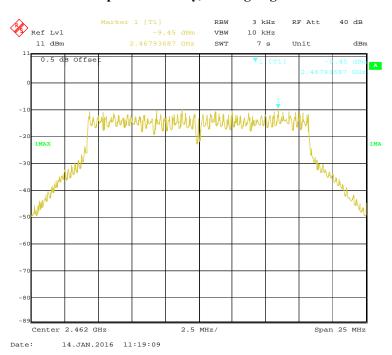


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Power Spectral Density, 802.11g Middle Channel



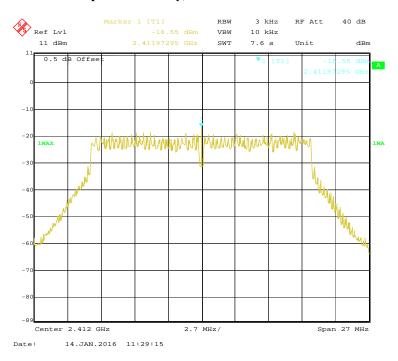
Power Spectral Density, 802.11g High Channel



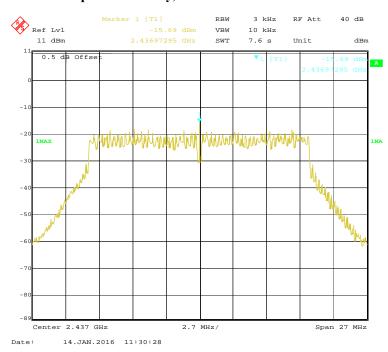
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Power Spectral Density, 802.11n-HT20 Low Channel

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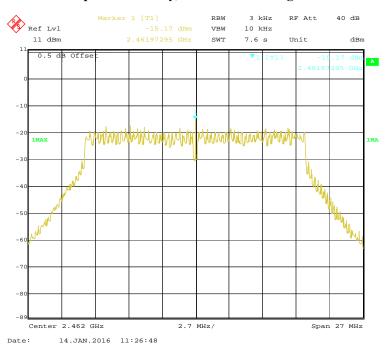
Power Spectral Density, 802.11n-HT20 Middle Channel



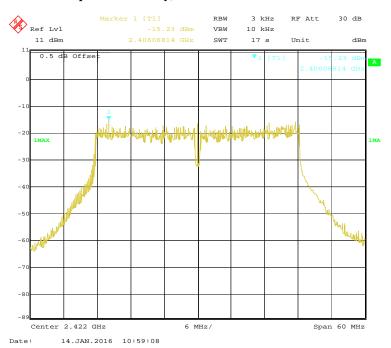
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Power Spectral Density, 802.11n-HT20 High Channel

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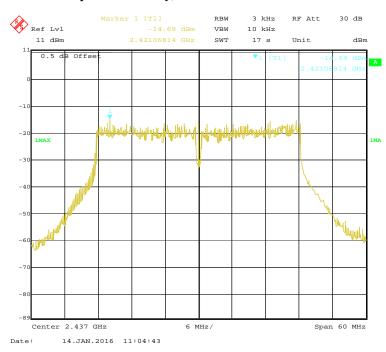
Power Spectral Density, 802.11n-HT40 Middle Channel



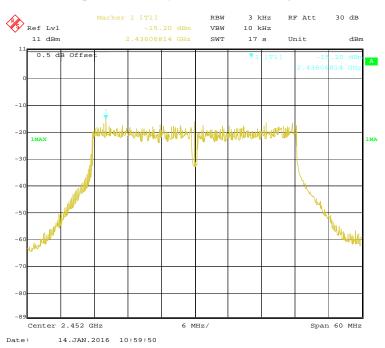
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Power Spectral Density, 802.11n-HT40 Middle Channel

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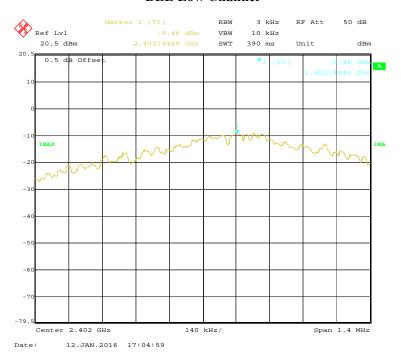
Power Spectral Density, 802.11n-HT40 High Channel



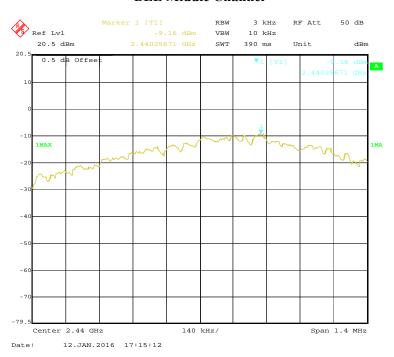
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BLE Low Channel

Report No.: RKS151231001-00A



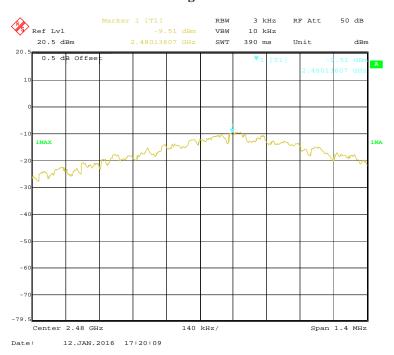
BLE Middle Channel



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BLE High Channel

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

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