



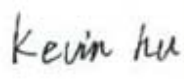
FCC PART 15.247 TEST REPORT

For

General Procurement, Inc

800 E Dyer Road Santa Ana, CA United States 92705

FCC ID: 2AIOHG7

Report Type: Original Report	Product Name: Tablet PC
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Report Number: <u>RDG170606801C</u>	
Report Date: <u>2017-06-29</u>	
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The **General Procurement, Inc's** product, model number: **HT0703K16(FCC ID: 2AIOHG7)** (the "EUT") in this report was a **Tablet PC**, which was measured approximately: 18.9 cm (L) × 10.9 cm (W) × 1.2 cm (H), rated input voltage: DC3.7V rechargeable Li-ion battery or DC5V from adapter.

Adapter information:

Model: LFS0501500D-A8S

Input: 100-240V~50/60Hz 0.5A

Output: DC 5V, 1500mA

Note: The series product, model HT0703K16, HT0703K08, VT0703B08, VT0703C16, which with marketing product names Koral 7M3, Rhyme 7B, Koral 7M3X and Rhyme 7C are electrically identical, the difference between them was explained in the declaration letter., we selected HT0703K16 for testing.

**All measurement and test data in this report was gathered from final production sample, serial number: 170606801 (assigned by the BACL, Chengdu). It may have deviation from any other sample. The EUT supplied by the applicant was received on 2017-06-06, and EUT conformed to test requirement.*

Objective

This report is prepared on behalf of **General Procurement, Inc** in accordance with Part 2, Subpart J, Part 15, Subparts A, B and C of the Federal Communications Commission's rules

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

Related Submittal(s)/Grant(s)

FCC Part 15C DSS submissions with FCC ID: 2AIOHG7

FCC Part 22H, 24E PCE submissions with FCC ID: 2AIOHG7

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.

The uncertainty of any RF tests which use conducted method measurement is ± 3.17 dB, the uncertainty of any radiation on emissions measurement is:

30M~200MHz: ± 4.7 dB;

200M~1GHz: ± 6.0 dB;

1G~6GHz: ± 5.13 dB;

6G~25GHz: ± 5.47 dB;

And the uncertainty will not be taken into consideration for all test data recorded in the report.

Test Facility

The test site used by BACL to collect test data is located in the No.5040, Huilongwan Plaza, No.1, Shawan Road, Jinniu District, Chengdu, Sichuan, China.

Test site at BACL 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 April 24, 2015. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 560332. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in testing mode, which was provided by manufacturer. For 2.4GHz band, 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	/	/

For 802.11b, 802.11g, and 802.11n ht20 modes were tested with channel 1, 6 and 11. For 802.11n ht40 mode were tested with Channel 3, 6 and 9.

The worst-case data rates are determined to be as follows for each mode based upon investigations by measuring the average power and PSD across all data rates bandwidths, and modulations.

For Bluetooth LE mode, 40 channels are provided for testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	...	...
...	...	...	...
...	...	...	...
..	...	38	2478
19	2440	39	2480

EUT was tested with channel 0, 19 and 39.

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

The worst condition (maximum power) was setting by the software as following table:

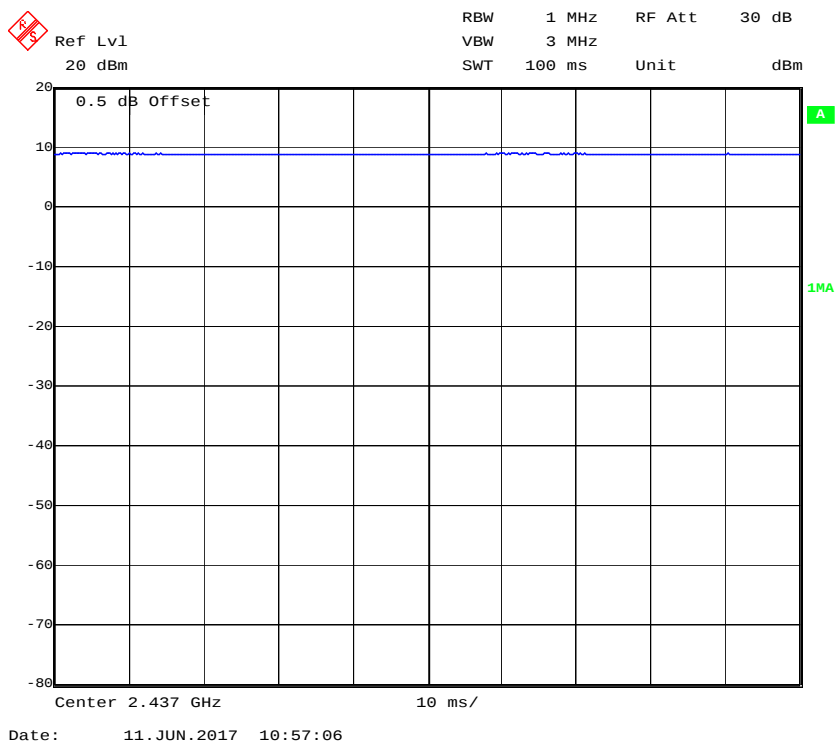
Test Mode	Test Software Version	EngineerMode		
802.11b	Test Frequency	2412MHz	2437MHz	2462MHz
	Data Rate	1Mbps	1Mbps	1Mbps
	Power Level Setting	17	16.5	16
802.11g	Test Frequency	2412MHz	2437MHz	2462MHz
	Data Rate	6Mbps	6Mbps	6Mbps
	Power Level Setting	15	14.5	14.5
802.11n ht20	Test Frequency	2412MHz	2437MHz	2462MHz
	Data Rate	MCS0	MCS0	MCS0
	Power Level Setting	15.5	15	14.5
802.11n ht40	Test Frequency	2422MHz	2437MHz	2452MHz
	Data Rate	MCS0	MCS0	MCS0
	Power Level Setting	15	14.5	14

Note: BLE mode configured as maximum power by the system default setting.

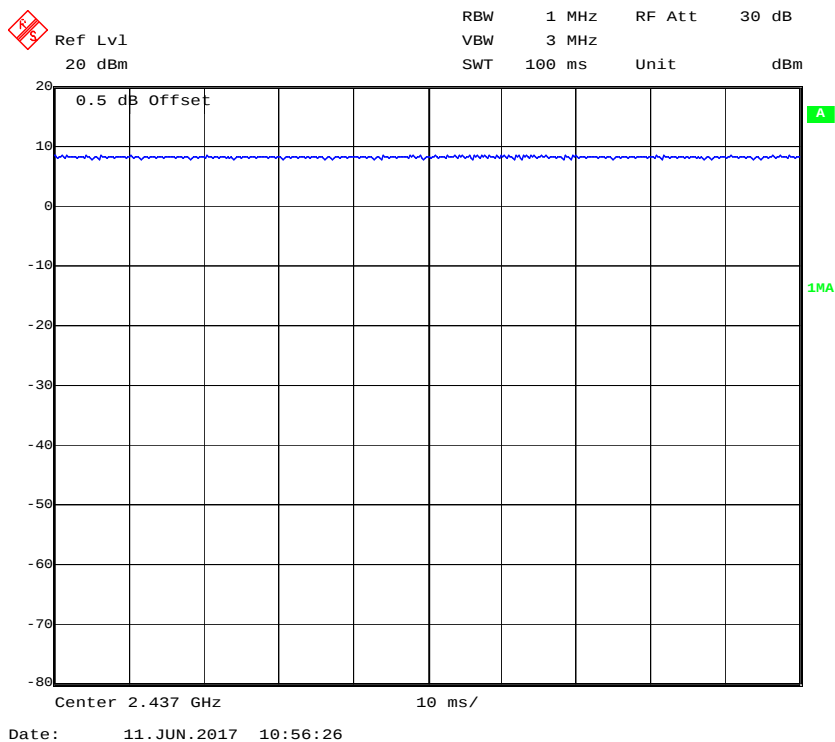
The maximum duty cycle as following table:

Test mode	T _{on} (ms)	T _{on+off} (ms)	Duty Cycle (%)
802.11b	100	100	100
802.11g	100	100	100
802.11n ht20	100	100	100
802.11n ht40	100	100	100
BLE	0.391	0.626	62.5

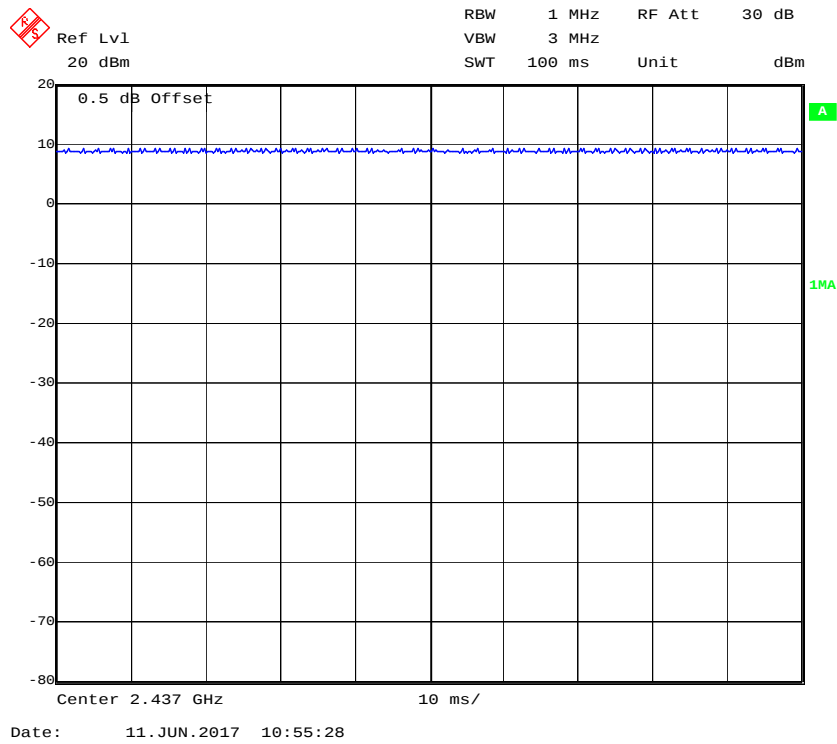
802.11b



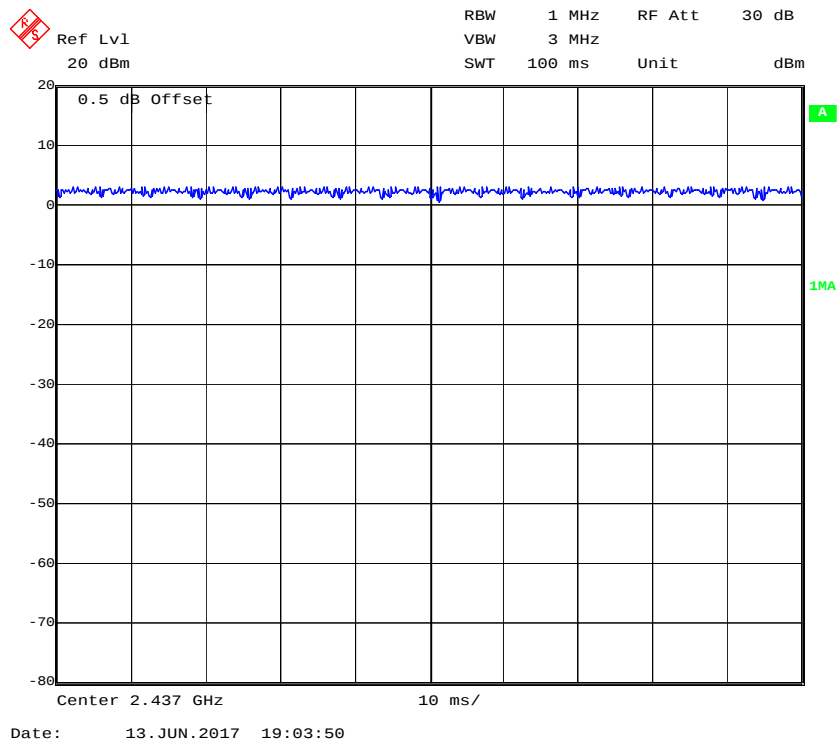
802.11g



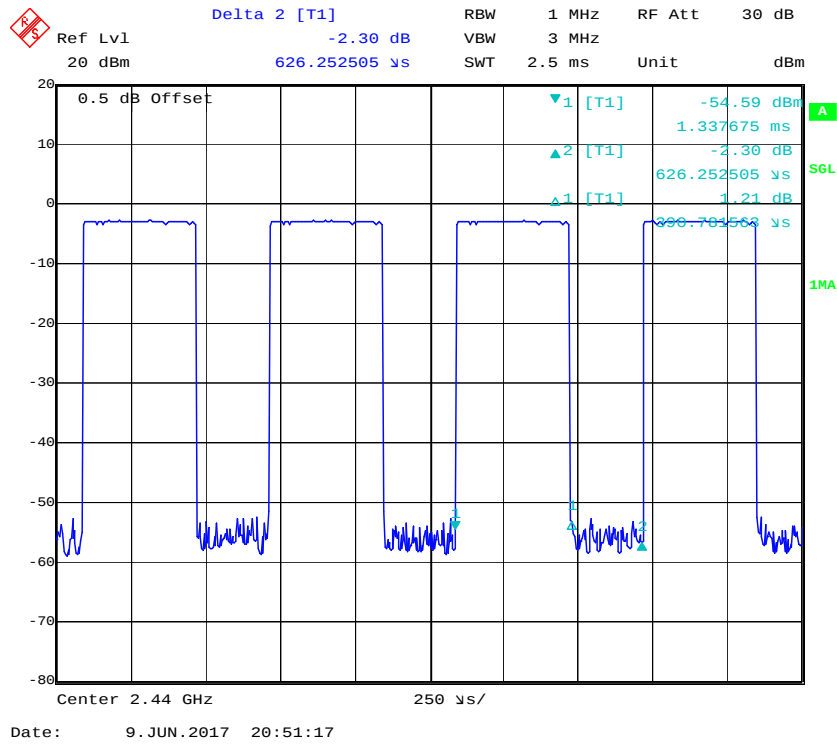
802.11n ht20



802.11n ht40



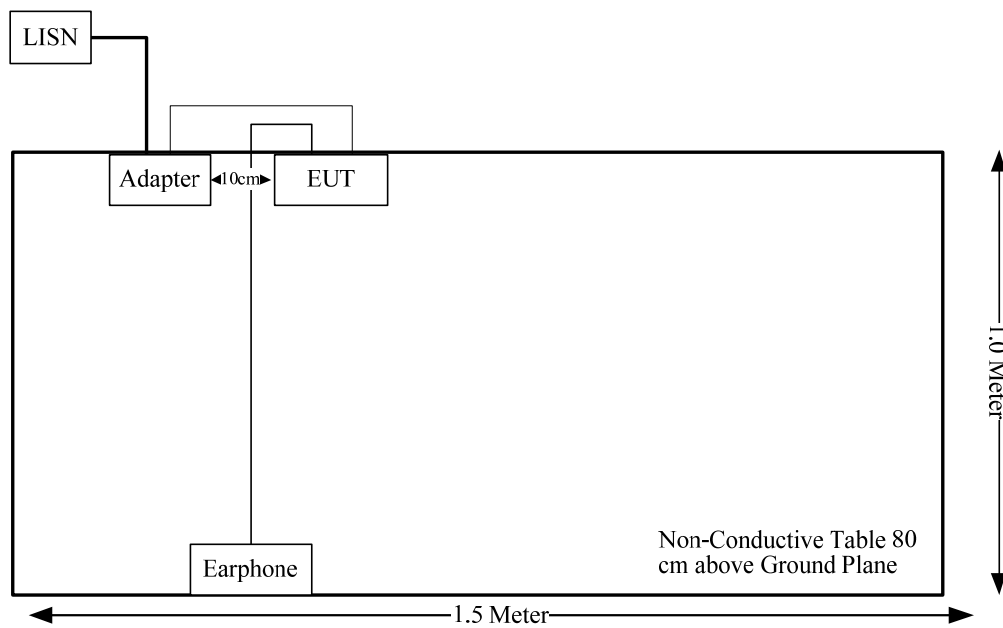
BLE



External Cable

Cable Description	Shielding Type	Ferrite Core	Length (cm)	From Port	To
USB Cable	No	No	82	USB Port of Adapter	EUT
Earphone	no	no	120	EUT	Earphone

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.247 (i) & §1.1310 & §2.1093	RF Exposure	Compliance
§15.203	Antenna Requirement	Compliance
§15.207 (a)	AC Line Conducted Emissions	Compliance
§15.205, §15.209, §15.247(d)	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

FCC §15.247 (i) & §1.1310 & §2.1093- RF EXPOSURE

Applicable Standard

According to §15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Measurement Result

For bluetooth LE mode

The max tune-up conducted power is -2.6 dBm (0.55 mW).

$[(\text{max. power of channel, mW})/(\text{min. test separation distance, mm})][\sqrt{f(\text{GHz})}]$
 $= 0.55/5 \cdot (\sqrt{2.48}) = 0.2 < 3.0$

So the stand-alone SAR evaluation is not necessary.

For Wi-Fi mode, please refer to the SAR report: RDG170606801-20.

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:

- 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.

Antenna Connector Construction

The EUT has one internal antenna arrangement for Wifi/BT, and the antenna gain is 3.0 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

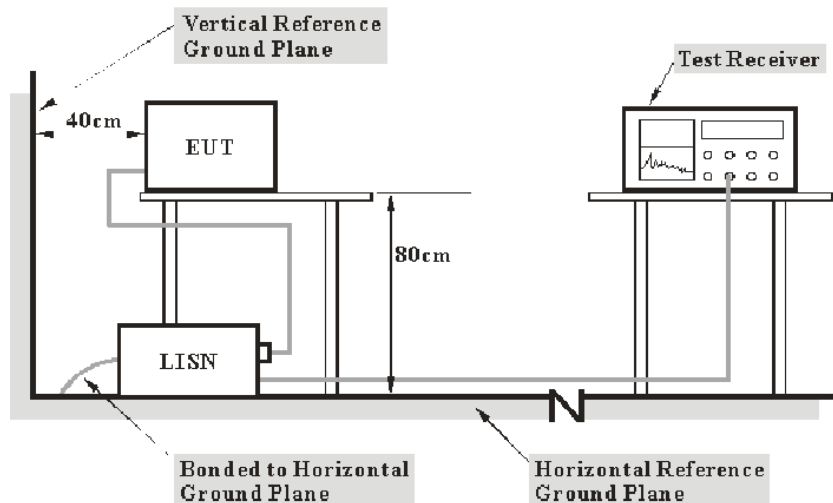
Result: Compliance.

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207(a)

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 spacing between the peripherals was 10 cm.

The adapter was connected to a 120 V/60 Hz AC 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

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

Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$V_C = V_R + A_C + VDF$$

$$C_f = A_C + VDF$$

Herein,

V_C (cord. Reading): corrected voltage amplitude

V_R : reading voltage amplitude

A_C : attenuation caused by cable loss

VDF: voltage division factor of AMN

C_f : Correction Factor

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

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCS 30	836858/0016	2016-12-02	2017-12-01
Rohde & Schwarz	L.I.S.N.	ENV216	100018	2016-12-02	2017-12-01
Unknown	Conducted Cable	Unknown	NO.5	2016-11-10	2017-11-09
Rohde & Schwarz	PULSE LIMITER	ESH3Z2	DE14781	2016-10-31	2017-10-30
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A

* **Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B “Implementation of traceability policy in accredited laboratories”.

Test Data

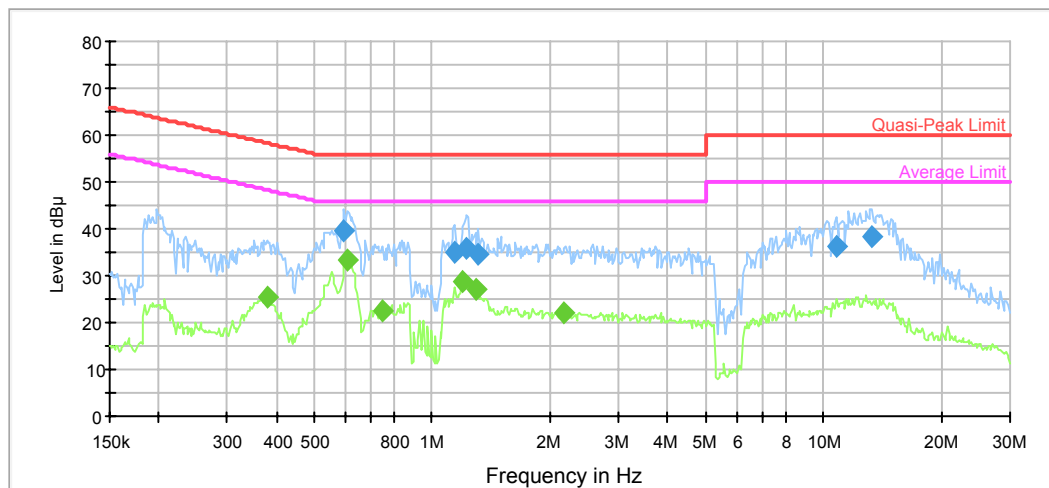
Environmental Conditions

Temperature:	28.4°C
Relative Humidity:	43.2 %
ATM Pressure:	100.1 kPa

The testing was performed by Kevin Hu on 2017-06-09.

Test Mode: Transmitting (Wi-Fi transmitting was the worst)

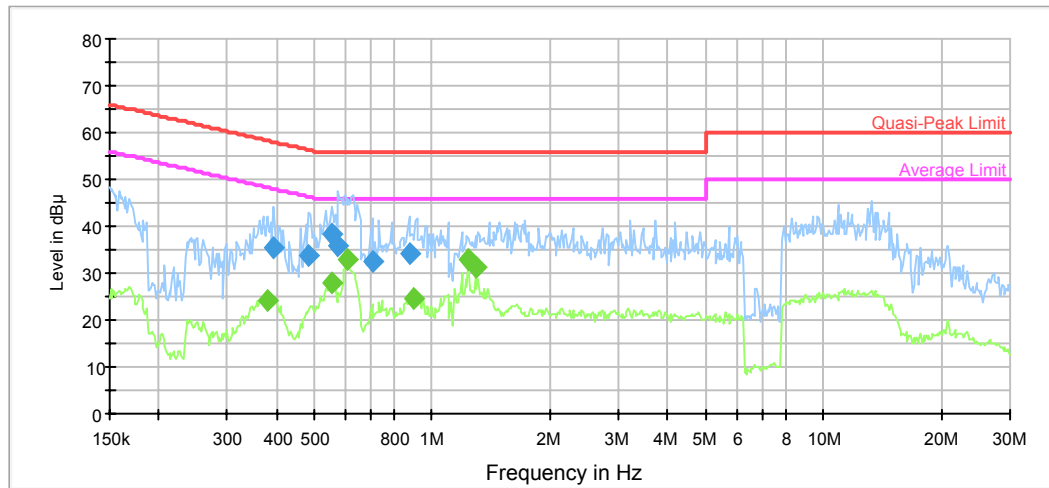
AC120 V, 60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.595338	39.6	9.000	L1	19.8	16.4	56.0	Compliance
1.144267	34.8	9.000	L1	19.7	21.2	56.0	Compliance
1.229340	35.9	9.000	L1	19.7	20.1	56.0	Compliance
1.310256	34.7	9.000	L1	19.7	21.3	56.0	Compliance
10.824237	36.1	9.000	L1	19.9	23.9	60.0	Compliance
13.315918	38.2	9.000	L1	20.0	21.8	60.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.378019	25.4	9.000	L1	19.8	22.9	48.3	Compliance
0.604902	33.4	9.000	L1	19.8	12.6	46.0	Compliance
0.744147	22.7	9.000	L1	19.7	23.3	46.0	Compliance
1.190776	28.6	9.000	L1	19.7	17.4	46.0	Compliance
1.289541	26.9	9.000	L1	19.7	19.1	46.0	Compliance
2.164561	22.1	9.000	L1	19.8	23.9	46.0	Compliance

AC120 V, 60 Hz, Neutral:



Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.393383	35.4	9.000	N	19.6	22.6	58.0	Compliance
0.483938	33.6	9.000	N	19.6	22.7	56.3	Compliance
0.554139	38.4	9.000	N	19.6	17.6	56.0	Compliance
0.576662	35.9	9.000	N	19.6	20.1	56.0	Compliance
0.703777	32.6	9.000	N	19.6	23.4	56.0	Compliance
0.872708	34.2	9.000	N	19.6	21.8	56.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.378019	24.3	9.000	N	19.6	24.0	48.3	Compliance
0.554139	28.1	9.000	N	19.6	17.9	46.0	Compliance
0.609741	32.8	9.000	N	19.6	13.2	46.0	Compliance
0.900972	24.8	9.000	N	19.7	21.2	46.0	Compliance
1.239175	33.0	9.000	N	19.6	13.0	46.0	Compliance
1.289541	31.2	9.000	N	19.6	14.8	46.0	Compliance

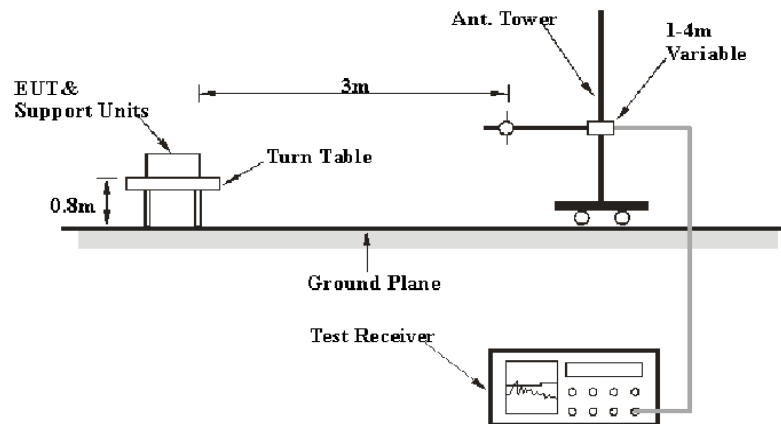
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

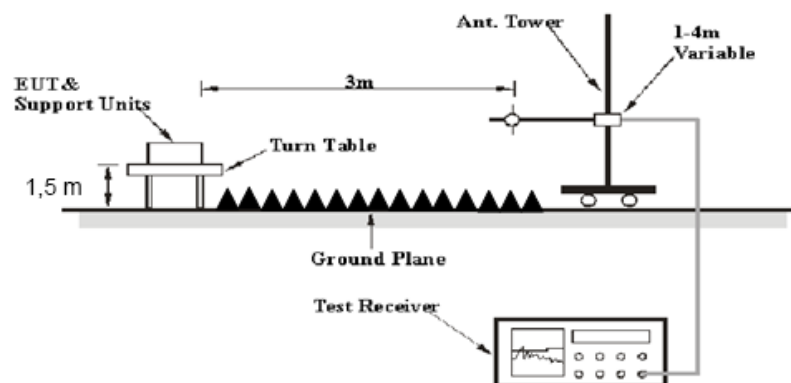
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters chamber 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 external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

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:

30MHz-1000MHz:

Detector	RBW	Video B/W	IF B/W
QP	120 kHz	300 kHz	120kHz

1GHz- 25GHz:

Detector	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
Ave.	>98%	1MHz	10 Hz
	<98%	1MHz	1/T

Note: T is minimum transmission duration

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.

Corrected Amplitude & Margin Calculation

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

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

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:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	Amplifier	8447D	2944A10442	2016-12-02	2017-12-01
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2016-12-02	2017-12-01
Sunol Sciences	Broadband Antenna	JB3	A121808	2016-04-10	2019-04-09
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
ETS	Horn Antenna	3115	003-6076	2016-12-02	2017-12-01
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-0113024	2014-06-16	2017-06-15
Mini-circuits	Amplifier	ZVA-183-S+	771001215	2017-05-20	2018-05-19
HP	Amplifier	8449B	3008A00277	2016-12-02	2017-12-01
EMCT	Semi-Anechoic Chamber	966	N/A	2015-04-24	2018-04-23
Unknown	RF Cable (below 1GHz)	Unknown	NO.1	2016-11-10	2017-11-09
Unknown	RF Cable (below 1GHz)	Unknown	NO.4	2016-11-10	2017-11-09
Unknown	RF Cable (above 1GHz)	Unknown	NO.2	2016-11-10	2017-11-09

* **Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Data

Environmental Conditions

Temperature:	26.5 °C
Relative Humidity:	63.5 %
ATM Pressure:	100.1 kPa

* The testing was performed by Kevin Hu on 2017-06-12.

Test Mode: Transmitting

30MHz-25GHz:

802.11b Mode

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB)					
Low Channel: 2412 MHz									
2412	75.33	PK	H	23.50	3.00	0.00	101.83	N/A	N/A
2412	62.51	AV	H	23.50	3.00	0.00	89.01	N/A	N/A
2412	76.00	PK	V	23.50	3.00	0.00	102.50	N/A	N/A
2412	63.33	AV	V	23.50	3.00	0.00	89.83	N/A	N/A
2390	32.91	PK	V	23.57	3.00	0.00	59.48	74.00	14.52
2390	18.74	AV	V	23.57	3.00	0.00	45.31	54.00	8.69
4824	41.81	PK	V	30.84	5.11	26.87	50.89	74.00	23.11
4824	31.28	AV	V	30.84	5.11	26.87	40.36	54.00	13.64
7236	31.29	PK	V	34.77	6.18	26.36	45.88	74.00	28.12
7236	20.86	AV	V	34.77	6.18	26.36	35.45	54.00	18.55
3613	43.60	PK	V	27.45	4.35	26.58	48.82	74.00	25.18
3613	33.84	AV	V	27.45	4.35	26.58	39.06	54.00	14.94
34.85	45.10	QP	V	19.50	0.37	28.55	36.42	40.00	3.58
Middle Channel: 2437 MHz									
2437	71.69	PK	H	23.41	3.00	0.00	98.10	N/A	N/A
2437	59.29	AV	H	23.41	3.00	0.00	85.70	N/A	N/A
2437	74.75	PK	V	23.41	3.00	0.00	101.16	N/A	N/A
2437	62.35	AV	V	23.41	3.00	0.00	88.76	N/A	N/A
4874	41.16	PK	V	31.00	5.09	26.87	50.38	74.00	23.62
4874	30.02	AV	V	31.00	5.09	26.87	39.24	54.00	14.76
7311	32.49	PK	V	34.92	6.21	26.40	47.22	74.00	26.78
7311	22.00	AV	V	34.92	6.21	26.40	36.73	54.00	17.27
1914	46.83	PK	V	24.76	2.98	26.74	47.83	74.00	26.17
1914	36.58	AV	V	24.76	2.98	26.74	37.58	54.00	16.42
3645	42.33	PK	V	27.58	4.39	26.58	47.72	74.00	26.28
3645	31.62	AV	V	27.58	4.39	26.58	37.01	54.00	16.99
34.85	45.30	QP	V	19.50	0.37	28.55	36.62	40.00	3.38
High Channel: 2462 MHz									
2462	68.95	PK	H	23.33	2.99	0.00	95.27	N/A	N/A
2462	57.08	AV	H	23.33	2.99	0.00	83.40	N/A	N/A
2462	74.27	PK	V	23.33	2.99	0.00	100.59	N/A	N/A
2462	61.67	AV	V	23.33	2.99	0.00	87.99	N/A	N/A
2483.5	39.54	PK	V	23.26	2.99	0.00	65.79	74.00	8.21
2483.5	20.15	AV	V	23.26	2.99	0.00	46.40	54.00	7.60
4924	41.55	PK	V	31.16	5.07	26.88	50.90	74.00	23.10
4924	31.09	AV	V	31.16	5.07	26.88	40.44	54.00	13.56
7386	30.21	PK	V	35.07	6.25	26.43	45.10	74.00	28.90
7386	19.75	AV	V	35.07	6.25	26.43	34.64	54.00	19.36
3693	42.51	PK	V	27.77	4.47	26.57	48.18	74.00	25.82
3693	31.46	AV	V	27.77	4.47	26.57	37.13	54.00	16.87
34.85	45.00	QP	V	19.50	0.37	28.55	36.32	40.00	3.68

802.11g Mode

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB)					
Low Channel: 2412 MHz									
2412	75.29	PK	H	23.50	3.00	0.00	101.79	N/A	N/A
2412	62.21	AV	H	23.50	3.00	0.00	88.71	N/A	N/A
2412	75.71	PK	V	23.50	3.00	0.00	102.21	N/A	N/A
2412	63.19	AV	V	23.50	3.00	0.00	89.69	N/A	N/A
2390	32.44	PK	V	23.57	3.00	0.00	59.01	74.00	14.99
2390	19.05	AV	V	23.57	3.00	0.00	45.62	54.00	8.38
4824	41.36	PK	V	30.84	5.11	26.87	50.44	74.00	23.56
4824	31.65	AV	V	30.84	5.11	26.87	40.73	54.00	13.27
7236	31.58	PK	V	34.77	6.18	26.36	46.17	74.00	27.83
7236	20.75	AV	V	34.77	6.18	26.36	35.34	54.00	18.66
3613	43.10	PK	V	27.45	4.35	26.58	48.32	74.00	25.68
3613	33.51	AV	V	27.45	4.35	26.58	38.73	54.00	15.27
34.85	45.40	QP	V	19.50	0.37	28.55	36.72	40.00	3.28
Middle Channel: 2437 MHz									
2437	71.12	PK	H	23.41	3.00	0.00	97.53	N/A	N/A
2437	59.64	AV	H	23.41	3.00	0.00	86.05	N/A	N/A
2437	74.00	PK	V	23.41	3.00	0.00	100.41	N/A	N/A
2437	62.62	AV	V	23.41	3.00	0.00	89.03	N/A	N/A
4874	41.61	PK	V	31.00	5.09	26.87	50.83	74.00	23.17
4874	30.03	AV	V	31.00	5.09	26.87	39.25	54.00	14.75
7311	32.54	PK	V	34.92	6.21	26.40	47.27	74.00	26.73
7311	21.73	AV	V	34.92	6.21	26.40	36.46	54.00	17.54
1354	46.26	PK	V	23.72	2.47	26.47	45.98	74.00	28.02
1354	35.96	AV	V	23.72	2.47	26.47	35.68	54.00	18.32
2453	43.24	PK	V	23.36	3.00	26.88	42.72	74.00	31.28
2453	32.94	AV	V	23.36	3.00	26.88	32.42	54.00	21.58
34.85	45.20	QP	V	19.50	0.37	28.55	36.52	40.00	3.48
High Channel: 2462 MHz									
2462	68.51	PK	H	23.33	2.99	0.00	94.83	N/A	N/A
2462	57.35	AV	H	23.33	2.99	0.00	83.67	N/A	N/A
2462	74.00	PK	V	23.33	2.99	0.00	100.32	N/A	N/A
2462	61.50	AV	V	23.33	2.99	0.00	87.82	N/A	N/A
2483.5	38.27	PK	V	23.26	2.99	0.00	64.52	74.00	9.48
2483.5	19.99	AV	V	23.26	2.99	0.00	46.24	54.00	7.76
4924	41.68	PK	V	31.16	5.07	26.88	51.03	74.00	22.97
4924	30.87	AV	V	31.16	5.07	26.88	40.22	54.00	13.78
7386	30.28	PK	V	35.07	6.25	26.43	45.17	74.00	28.83
7386	20.21	AV	V	35.07	6.25	26.43	35.10	54.00	18.90
3545	42.73	PK	V	27.18	4.25	26.59	47.57	74.00	26.43
3545	32.41	AV	V	27.18	4.25	26.59	37.25	54.00	16.75
34.85	44.80	QP	V	19.50	0.37	28.55	36.12	40.00	3.88

802.11n ht20 Mode

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB)					
Low Channel: 2412 MHz									
2412	75.14	PK	H	23.50	3.00	0.00	101.64	N/A	N/A
2412	62.88	AV	H	23.50	3.00	0.00	89.38	N/A	N/A
2412	75.81	PK	V	23.50	3.00	0.00	102.31	N/A	N/A
2412	63.35	AV	V	23.50	3.00	0.00	89.85	N/A	N/A
2390	33.16	PK	V	23.57	3.00	0.00	59.73	74.00	14.27
2390	18.41	AV	V	23.57	3.00	0.00	44.98	54.00	9.02
4824	42.05	PK	V	30.84	5.11	26.87	51.13	74.00	22.87
4824	30.78	AV	V	30.84	5.11	26.87	39.86	54.00	14.14
7236	31.02	PK	V	34.77	6.18	26.36	45.61	74.00	28.39
7236	21.12	AV	V	34.77	6.18	26.36	35.71	54.00	18.29
3655	43.35	PK	V	27.62	4.41	26.58	48.80	74.00	25.20
3655	33.36	AV	V	27.62	4.41	26.58	38.81	54.00	15.19
34.85	45.00	QP	V	19.50	0.37	28.55	36.32	40.00	3.68
Middle Channel: 2437 MHz									
2437	71.17	PK	H	23.41	3.00	0.00	97.58	N/A	N/A
2437	59.31	AV	H	23.41	3.00	0.00	85.72	N/A	N/A
2437	74.24	PK	V	23.41	3.00	0.00	100.65	N/A	N/A
2437	62.83	AV	V	23.41	3.00	0.00	89.24	N/A	N/A
4874	41.09	PK	V	31.00	5.09	26.87	50.31	74.00	23.69
4874	30.41	AV	V	31.00	5.09	26.87	39.63	54.00	14.37
7311	32.86	PK	V	34.92	6.21	26.40	47.59	74.00	26.41
7311	22.01	AV	V	34.92	6.21	26.40	36.74	54.00	17.26
2045	46.73	PK	V	24.75	3.04	26.83	47.69	74.00	26.31
2045	36.66	AV	V	24.75	3.04	26.83	37.62	54.00	16.38
3327	42.40	PK	V	26.03	3.92	26.53	45.82	74.00	28.18
3327	31.70	AV	V	26.03	3.92	26.53	35.12	54.00	18.88
34.85	45.40	QP	V	19.50	0.37	28.55	36.72	40.00	3.28
High Channel: 2462 MHz									
2462	68.41	PK	H	23.33	2.99	0.00	94.73	N/A	N/A
2462	57.36	AV	H	23.33	2.99	0.00	83.68	N/A	N/A
2462	74.12	PK	V	23.33	2.99	0.00	100.44	N/A	N/A
2462	61.86	AV	V	23.33	2.99	0.00	88.18	N/A	N/A
2483.5	37.66	PK	V	23.26	2.99	0.00	63.91	74.00	10.09
2483.5	20.36	AV	V	23.26	2.99	0.00	46.61	54.00	7.39
4924	41.50	PK	V	31.16	5.07	26.88	50.85	74.00	23.15
4924	31.12	AV	V	31.16	5.07	26.88	40.47	54.00	13.53
7386	30.23	PK	V	35.07	6.25	26.43	45.12	74.00	28.88
7386	19.62	AV	V	35.07	6.25	26.43	34.51	54.00	19.49
3638	43.15	PK	V	27.55	4.38	26.58	48.50	74.00	25.50
3638	31.84	AV	V	27.55	4.38	26.58	37.19	54.00	16.81
34.85	45.20	QP	V	19.50	0.37	28.55	36.52	40.00	3.48

802.11n ht40 Mode

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB)					
Low Channel: 2422 MHz									
2422	75.13	PK	H	23.47	3.00	0.00	101.60	N/A	N/A
2422	62.26	AV	H	23.47	3.00	0.00	88.73	N/A	N/A
2422	76.01	PK	V	23.47	3.00	0.00	102.48	N/A	N/A
2422	63.15	AV	V	23.47	3.00	0.00	89.62	N/A	N/A
2390	32.62	PK	V	23.57	3.00	0.00	59.19	74.00	14.81
2390	18.44	AV	V	23.57	3.00	0.00	45.01	54.00	8.99
4844	41.52	PK	V	30.90	5.10	26.87	50.65	74.00	23.35
4844	30.93	AV	V	30.90	5.10	26.87	40.06	54.00	13.94
7266	31.33	PK	V	34.83	6.19	26.38	45.97	74.00	28.03
7266	20.74	AV	V	34.83	6.19	26.38	35.38	54.00	18.62
2933	43.84	PK	V	24.07	3.37	26.47	44.81	74.00	29.19
2933	34.16	AV	V	24.07	3.37	26.47	35.13	54.00	18.87
34.85	45.10	QP	V	19.50	0.37	28.55	36.42	40.00	3.58
Middle Channel: 2437 MHz									
2437	71.53	PK	H	23.41	3.00	0.00	97.94	N/A	N/A
2437	59.16	AV	H	23.41	3.00	0.00	85.57	N/A	N/A
2437	73.91	PK	V	23.41	3.00	0.00	100.32	N/A	N/A
2437	62.59	AV	V	23.41	3.00	0.00	89.00	N/A	N/A
4874	41.09	PK	V	31.00	5.09	26.87	50.31	74.00	23.69
4874	29.68	AV	V	31.00	5.09	26.87	38.90	54.00	15.10
7311	32.10	PK	V	34.92	6.21	26.40	46.83	74.00	27.17
7311	22.01	AV	V	34.92	6.21	26.40	36.74	54.00	17.26
2357	48.90	PK	V	23.69	3.01	26.87	48.73	74.00	25.27
2357	39.11	AV	V	23.69	3.01	26.87	38.94	54.00	15.06
3245	42.57	PK	V	25.57	3.80	26.50	45.44	74.00	28.56
3245	32.33	AV	V	25.57	3.80	26.50	35.20	54.00	18.80
34.85	45.20	QP	V	19.50	0.37	28.55	36.52	40.00	3.48
High Channel: 2452 MHz									
2452	68.08	PK	H	23.36	3.00	0.00	94.44	N/A	N/A
2452	57.29	AV	H	23.36	3.00	0.00	83.65	N/A	N/A
2452	74.16	PK	V	23.36	3.00	0.00	100.52	N/A	N/A
2452	61.65	AV	V	23.36	3.00	0.00	88.01	N/A	N/A
2483.5	36.75	PK	V	23.26	2.99	0.00	63.00	74.00	11.00
2483.5	20.42	AV	V	23.26	2.99	0.00	46.67	54.00	7.33
4904	41.26	PK	V	31.09	5.08	26.87	50.56	74.00	23.44
4904	30.91	AV	V	31.09	5.08	26.87	40.21	54.00	13.79
7356	30.23	PK	V	35.01	6.23	26.42	45.05	74.00	28.95
7356	19.64	AV	V	35.01	6.23	26.42	34.46	54.00	19.54
3953	41.69	PK	V	28.81	4.85	26.55	48.80	74.00	25.20
3953	31.03	AV	V	28.81	4.85	26.55	38.14	54.00	15.86
34.85	44.80	QP	V	19.50	0.37	28.55	36.12	40.00	3.88

BLE Mode

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB)					
Low Channel: 2402 MHz									
2402	56.1	PK	H	23.53	3.00	0.00	82.63	N/A	N/A
2402	50.33	AV	H	23.53	3.00	0.00	76.86	N/A	N/A
2402	62.23	PK	V	23.53	3.00	0.00	88.76	N/A	N/A
2402	56.75	AV	V	23.53	3.00	0.00	83.28	N/A	N/A
2390	31.67	PK	V	23.57	3.00	0.00	58.24	74.00	15.76
2390	18.49	AV	V	23.57	3.00	0.00	45.06	54.00	8.94
4804	35.93	PK	V	30.77	5.12	26.87	44.95	74.00	29.05
4804	25.34	AV	V	30.77	5.12	26.87	34.36	54.00	19.64
7206	31.88	PK	V	34.71	6.16	26.35	46.40	74.00	27.60
7206	20.91	AV	V	34.71	6.16	26.35	35.43	54.00	18.57
2875	44.94	PK	V	23.95	3.32	26.53	45.68	74.00	28.32
2875	34.22	AV	V	23.95	3.32	26.53	34.96	54.00	19.04
76.56	47	QP	V	7.83	0.46	28.41	26.88	40.00	13.12
44.55	51.6	QP	V	11.82	0.34	28.51	35.25	40.00	4.75
Middle Channel: 2440 MHz									
2440	57.61	PK	H	23.40	3.00	0.00	84.01	N/A	N/A
2440	51.91	AV	H	23.40	3.00	0.00	78.31	N/A	N/A
2440	61.29	PK	V	23.40	3.00	0.00	87.69	N/A	N/A
2440	55.63	AV	V	23.40	3.00	0.00	82.03	N/A	N/A
4880	36.4	PK	V	31.02	5.09	26.87	45.64	74.00	28.36
4880	25.27	AV	V	31.02	5.09	26.87	34.51	54.00	19.49
7320	31.15	PK	V	34.94	6.22	26.40	45.91	74.00	28.09
7320	20.5	AV	V	34.94	6.22	26.40	35.26	54.00	18.74
2532	45.33	PK	V	23.26	3.02	26.86	44.75	74.00	29.25
2532	35.85	AV	V	23.26	3.02	26.86	35.27	54.00	18.73
3245	42.88	PK	V	25.57	3.80	26.50	45.75	74.00	28.25
3245	32.95	AV	V	25.57	3.80	26.50	35.82	54.00	18.18
76.56	47.3	QP	V	7.83	0.46	28.41	27.18	40.00	12.82
44.55	51.4	QP	V	11.82	0.34	28.51	35.05	40.00	4.95
High Channel: 2480 MHz									
2480	57.89	PK	H	23.27	2.99	0.00	84.15	N/A	N/A
2480	52.16	AV	H	23.27	2.99	0.00	78.42	N/A	N/A
2480	61.74	PK	V	23.27	2.99	0.00	88.00	N/A	N/A
2480	56.25	AV	V	23.27	2.99	0.00	82.51	N/A	N/A
2483.5	31.38	PK	V	23.26	2.99	0.00	57.63	74.00	16.37
2483.5	17.63	AV	V	23.26	2.99	0.00	43.88	54.00	10.12
4960	36.55	PK	V	31.27	5.05	26.88	45.99	74.00	28.01
4960	26.12	AV	V	31.27	5.05	26.88	35.56	54.00	18.44
7440	30.75	PK	V	35.18	6.27	26.45	45.75	74.00	28.25
7440	20.2	AV	V	35.18	6.27	26.45	35.20	54.00	18.80
3953	40.73	PK	V	28.81	4.85	26.55	47.84	74.00	26.16
3953	29.37	AV	V	28.81	4.85	26.55	36.48	54.00	17.52
76.56	47.3	QP	V	7.83	0.46	28.41	27.18	40.00	12.82
44.55	51.2	QP	V	11.82	0.34	28.51	34.85	40.00	5.15

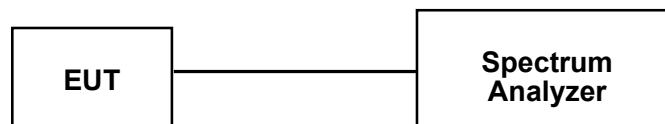
FCC §15.247(a) (2) – 6 dB EMISSION BANDWIDTH

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.

Test Procedure

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ26	831929/005	2016-09-21	2017-09-20
Unknown	RF Cable	Unknown	C-2	Each Time	/

* **Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B “Implementation of traceability policy in accredited laboratories”.

Test Data

Environmental Conditions

Temperature:	26.1~28.4 °C
Relative Humidity:	43.2~54.2 %
ATM Pressure:	100.1 kPa

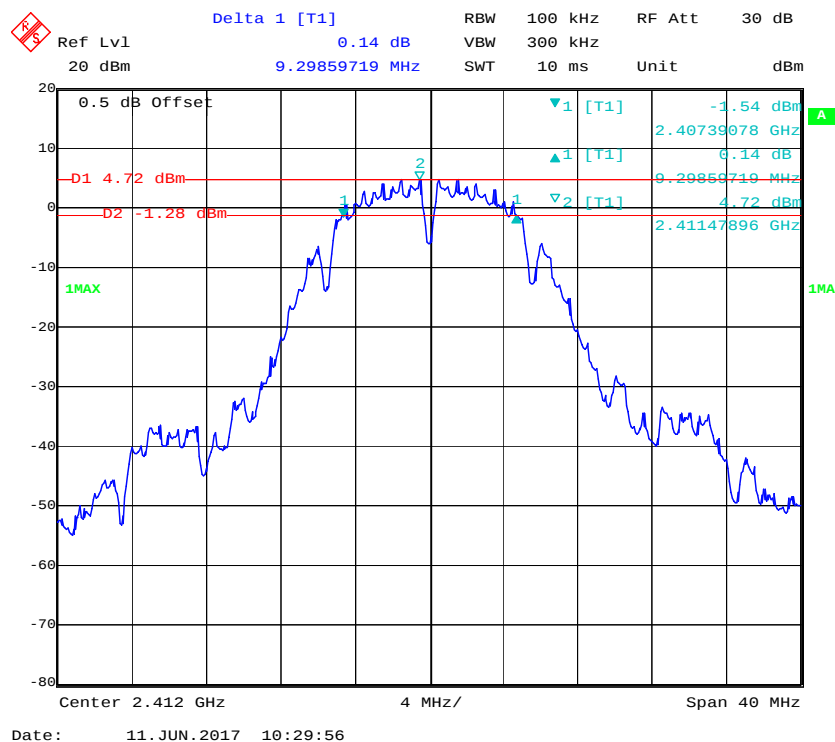
* The testing was performed by Kevin Hu from 2017-06-09 to 2017-06-13.

Test Mode: Transmitting

Test Result: Compliant. Please refer to the following table and plots.

Test mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
802.11b	Low	2412	9.30	≥0.5
	Middle	2437	9.30	≥0.5
	High	2462	9.30	≥0.5
802.11g	Low	2412	16.35	≥0.5
	Middle	2437	16.35	≥0.5
	High	2462	16.43	≥0.5
802.11n20	Low	2412	17.64	≥0.5
	Middle	2437	17.64	≥0.5
	High	2462	17.64	≥0.5
802.11n40	Low	2422	36.23	≥0.5
	Middle	2437	36.39	≥0.5
	High	2452	36.39	≥0.5
BLE	Low	2402	0.74	≥0.5
	Middle	2440	0.74	≥0.5
	High	2480	0.74	≥0.5

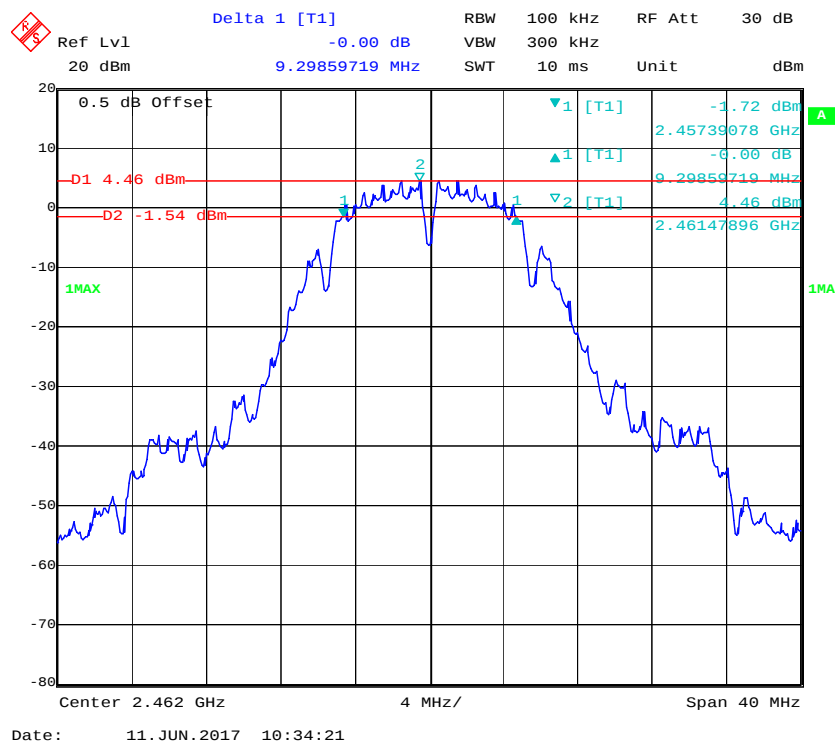
802.11b Low Channel



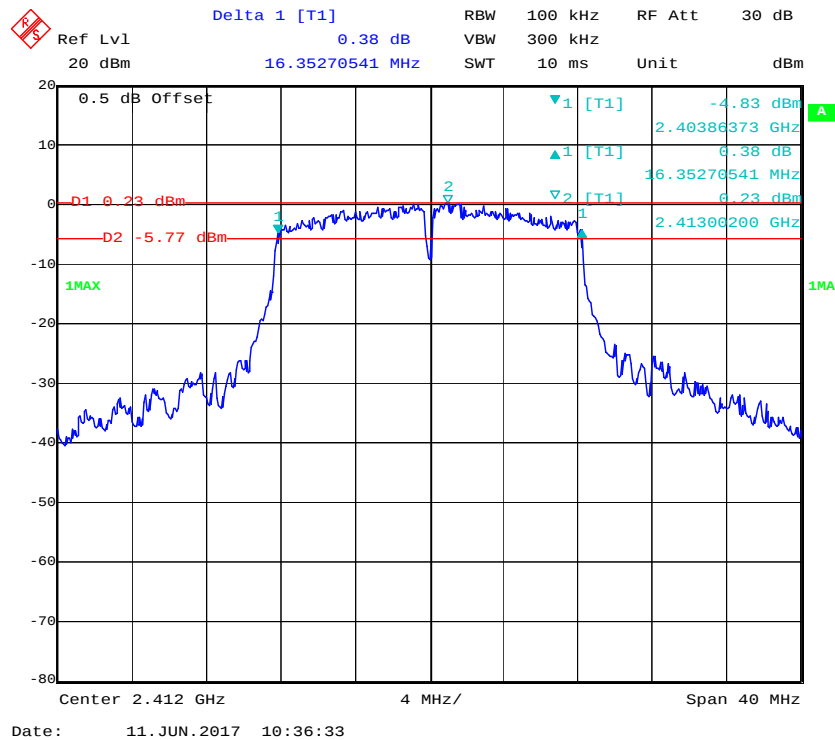
802.11b Middle Channel



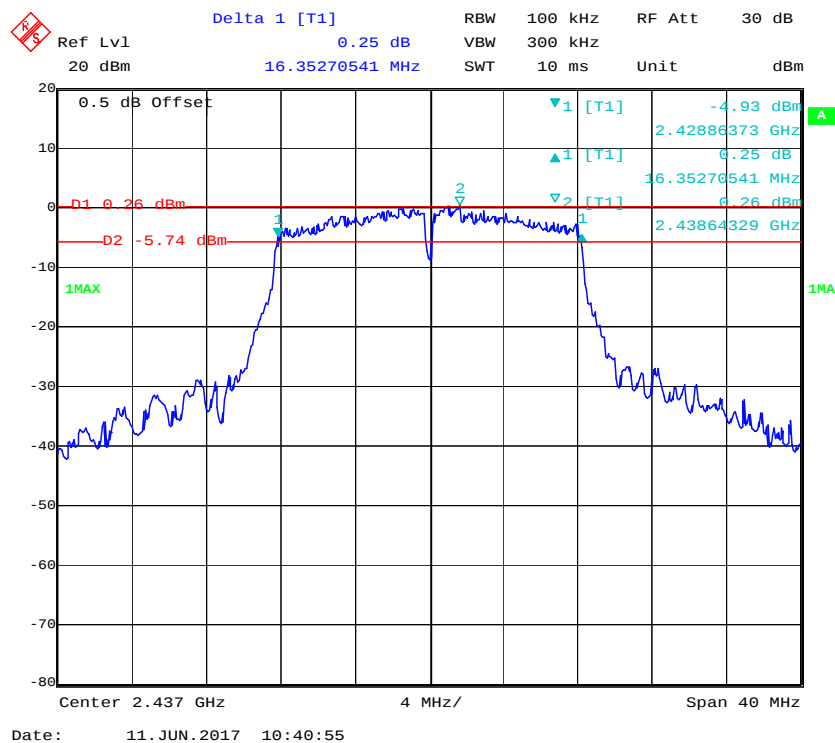
802.11b High Channel



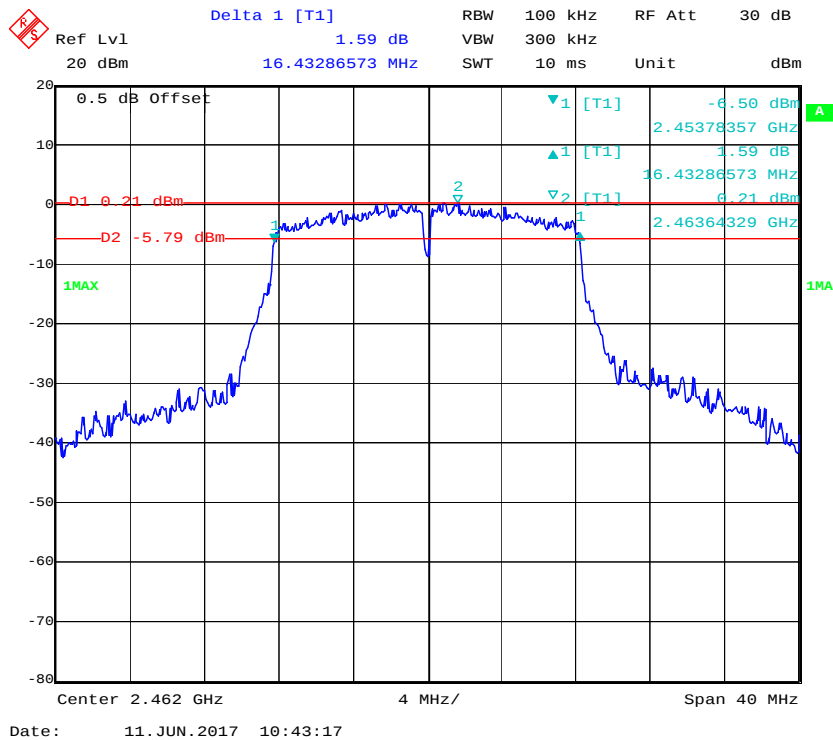
802.11g Low Channel



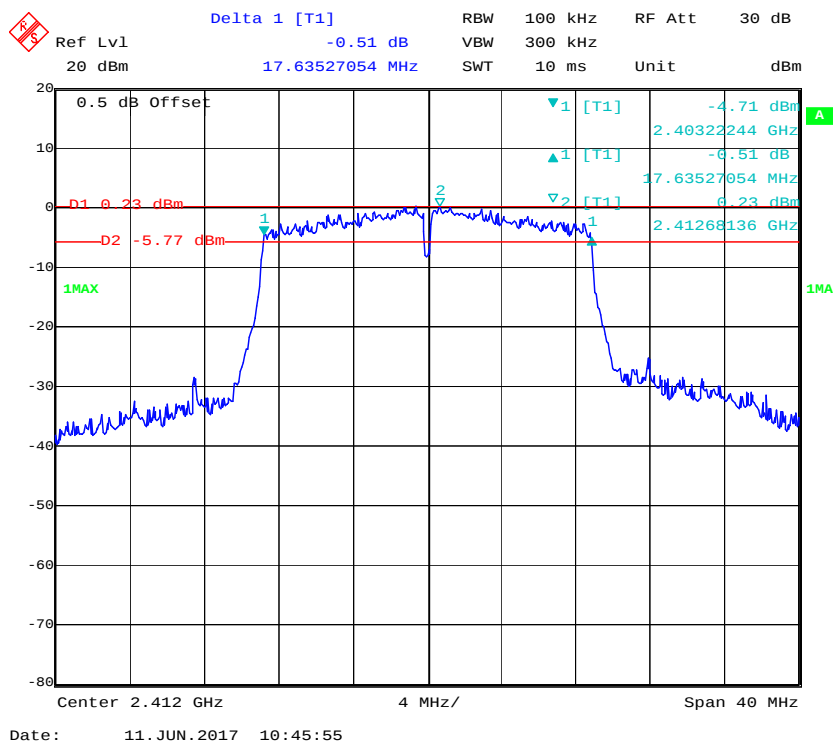
802.11g Middle Channel



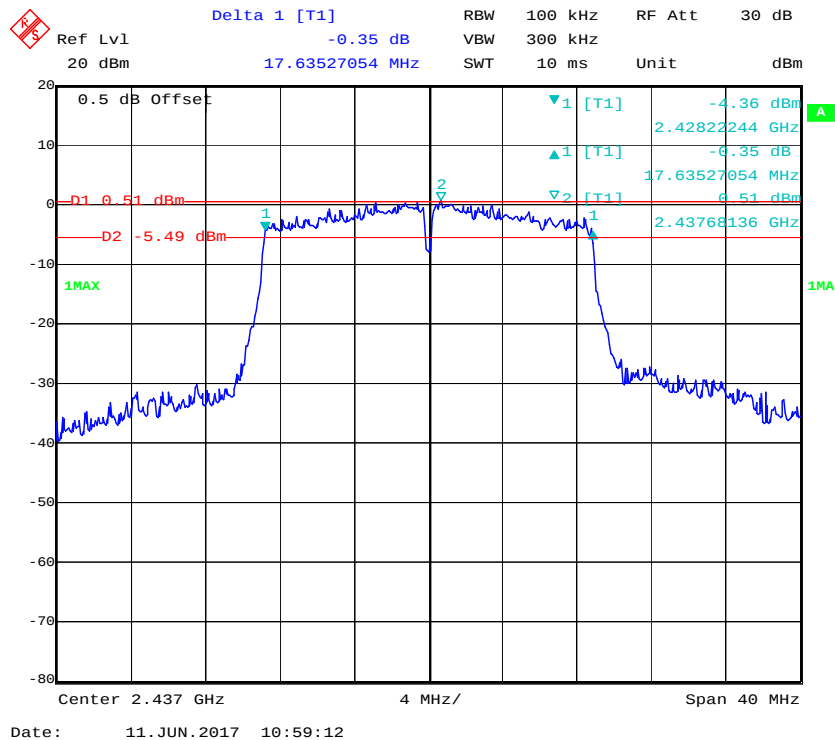
802.11g High Channel



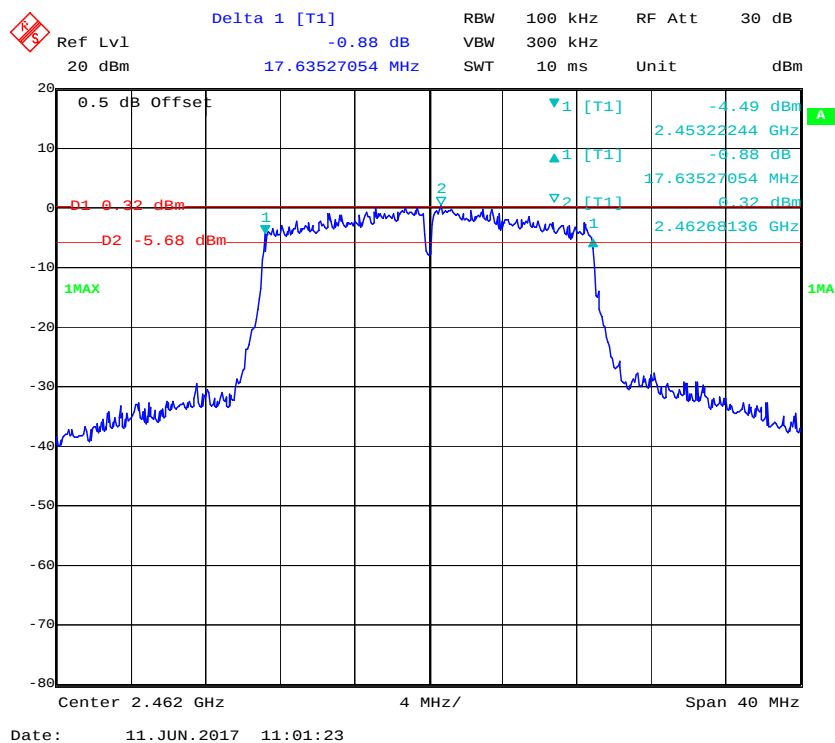
802.11n ht20 Low Channel



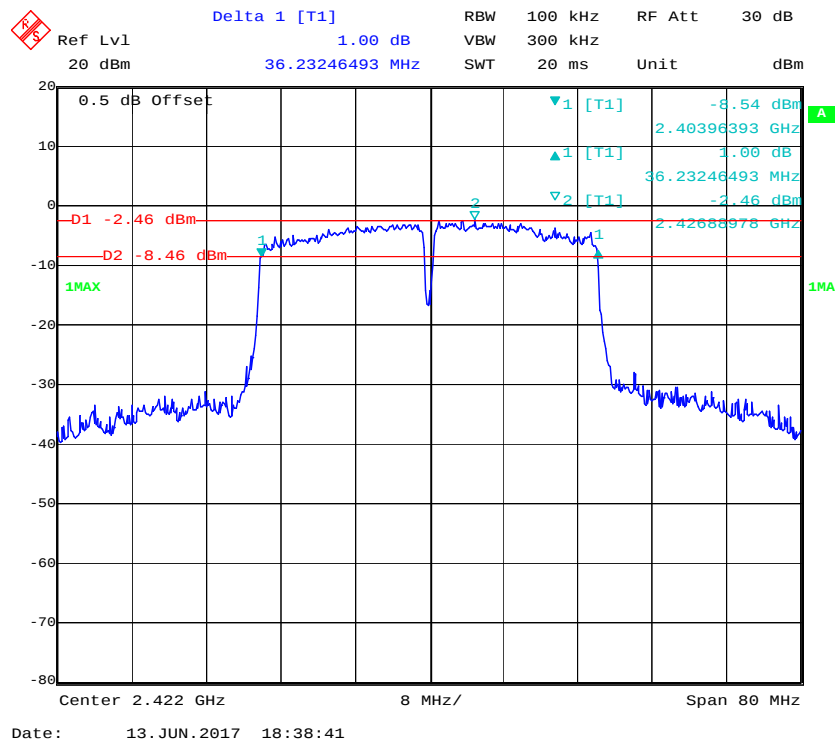
802.11n ht20 Middle Channel



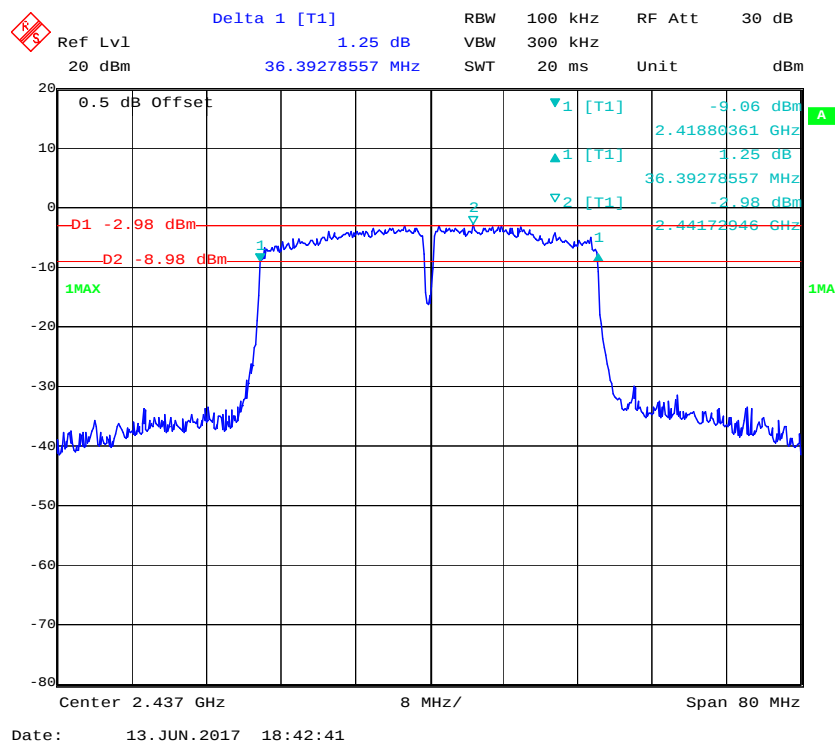
802.11n ht20 High Channel



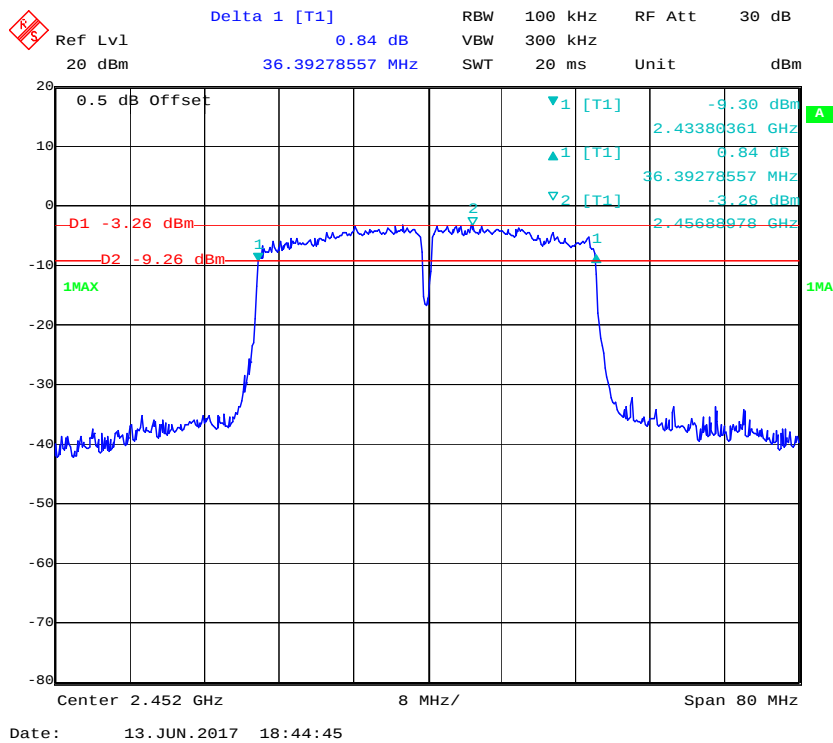
802.11n ht40 Low Channel



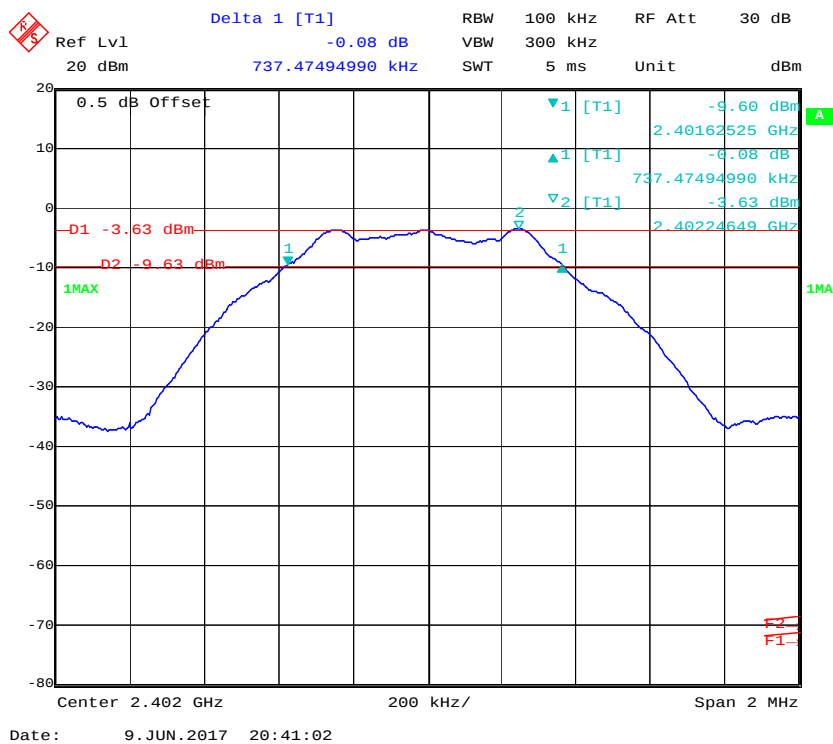
802.11n ht40 Middle Channel



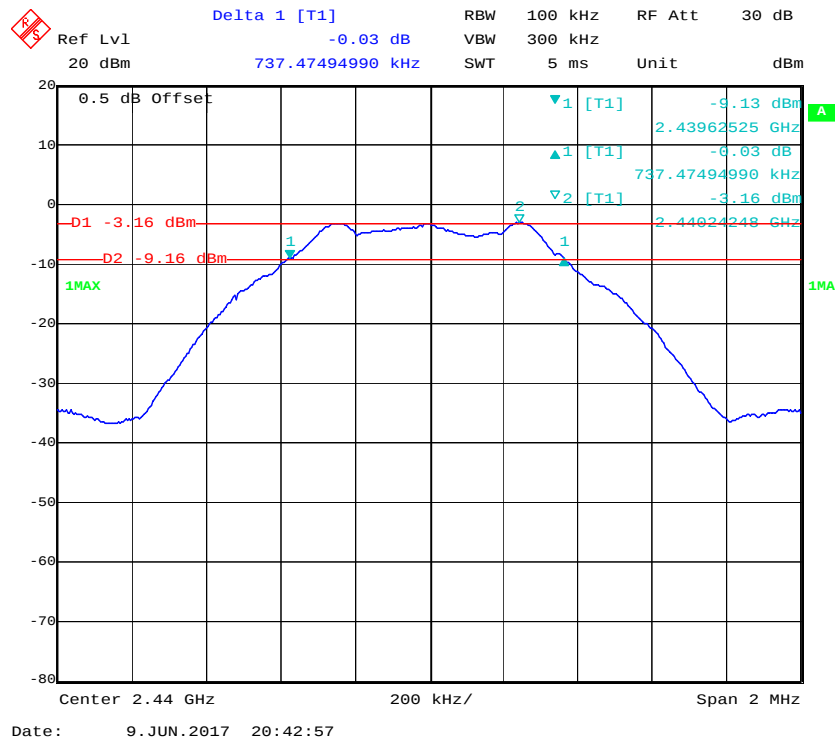
802.11n ht40 High Channel



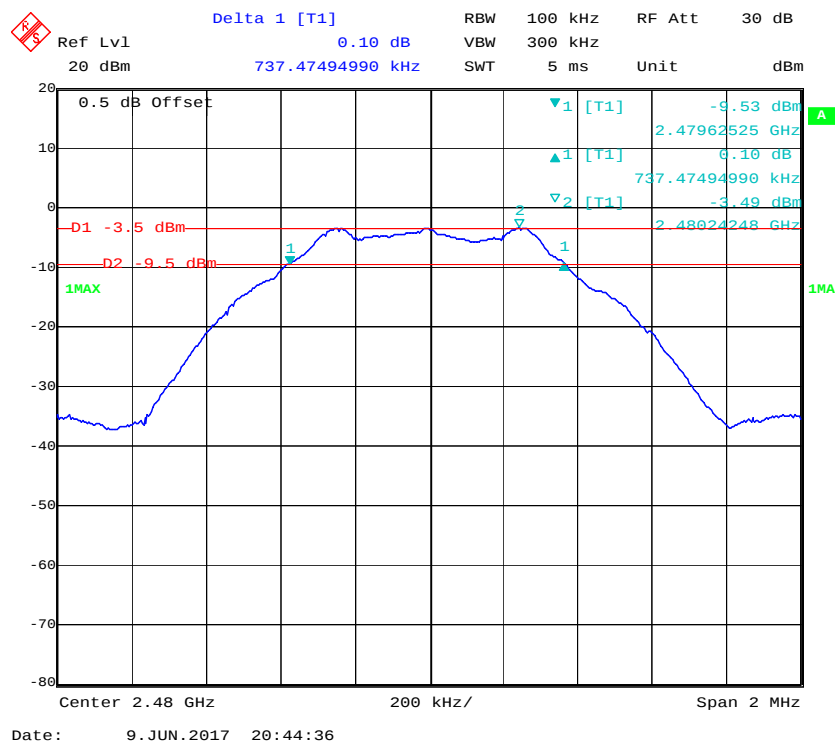
BLE Low Channel



BLE Middle Channel



BLE High Channel



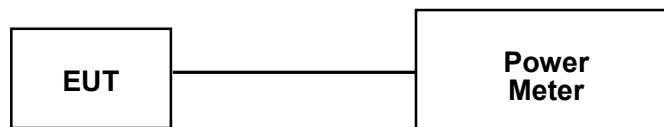
FCC §15.247(b) (3) - MAXIMUM CONDUCTED OUTPUT POWER

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.

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 test equipment.
3. Add a correction factor to the display.
4. Set the power Meter to test Peak output power, record the result as peak power.
5. Set the power meter to test average output power, record the result as average power.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	Wideband Power Sensor	N1921A	MY54170074	2017-01-03	2018-01-02
Agilent	P-Series Power Meter	N1912A	MY5000798	2017-01-03	2018-01-02
Unknown	RF Cable	Unknown	C-2	Each Time	/

*** Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Data

Environmental Conditions

Temperature:	28.4 °C
Relative Humidity:	43.2 %
ATM Pressure:	100.1 kPa

** The testing was performed by Kevin Hu on 2017-06-09.*

Test Mode: Transmitting

Test Result: Compliant. Please refer to the following table.

Test mode	Channel	Frequency (MHz)	Max Peak Conducted Output Power (dBm)	Max Conducted Average Output Power (dBm)	Limit (dBm)
802.11b	Low	2412	17.59	14.16	30
	Middle	2437	17.73	14.09	30
	High	2462	17.32	14.01	30
802.11g	Low	2412	20.54	12.18	30
	Middle	2437	20.44	12.03	30
	High	2462	20.56	12.28	30
802.11n20	Low	2412	20.98	12.29	30
	Middle	2437	21.25	12.22	30
	High	2462	20.91	12.24	30
802.11n40	Low	2422	21.26	12.38	30
	Middle	2437	21.01	12.17	30
	High	2452	20.74	12.24	30
BLE	Low	2402	-3.28	/	30
	Middle	2440	-2.78	/	30
	High	2480	-3.03	/	30

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

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	831929/005	2016-09-21	2017-09-20
Unknown	RF Cable	Unknown	C-2	Each Time	/

* **Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Data

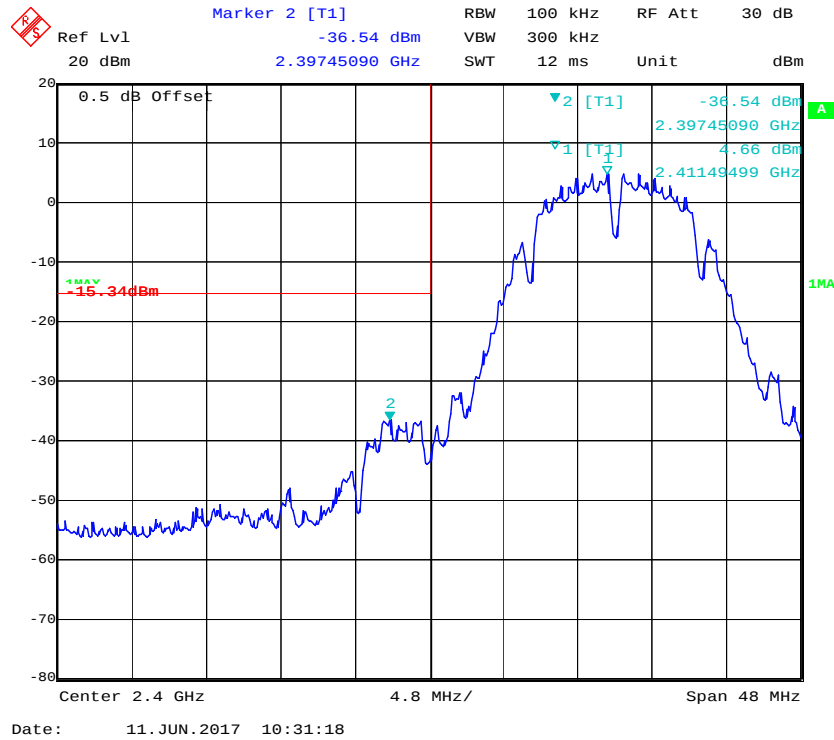
Environmental Conditions

Temperature:	26.1~28.4 °C
Relative Humidity:	43.2~54.2 %
ATM Pressure:	100.1 kPa

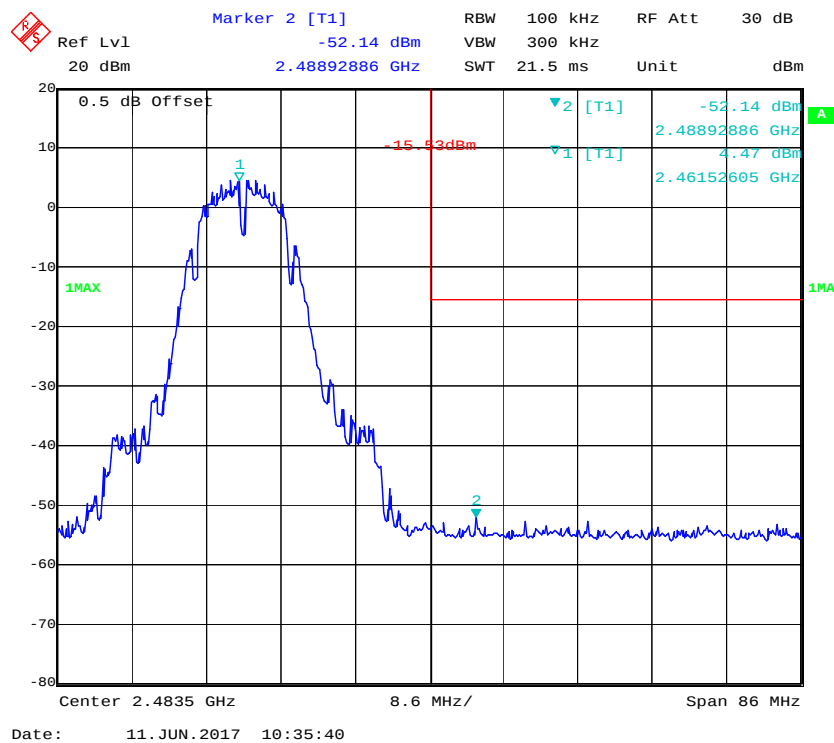
* The testing was performed by Kevin Hu from 2017-06-09 to 2017-06-13.

Test mode: Transmitting
Test Result: Compliant. Please refer to following plots.

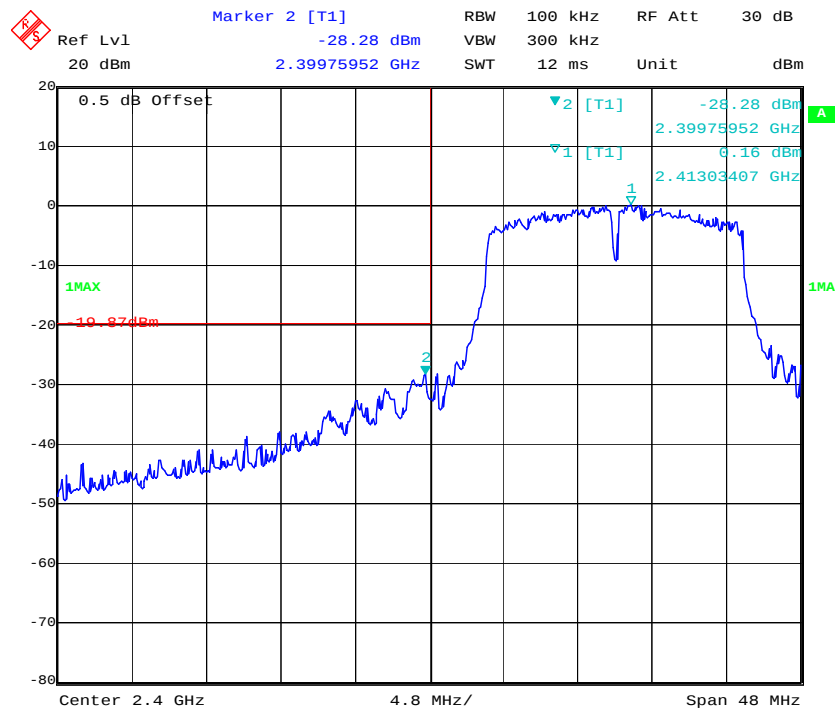
802.11b: Band Edge, Left Side



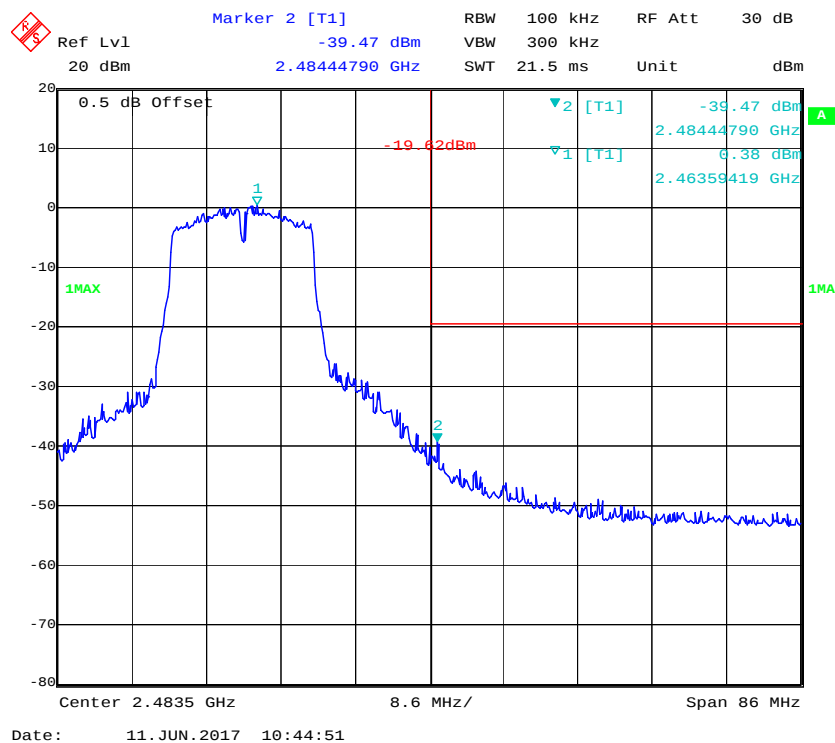
802.11b: Band Edge, Right Side



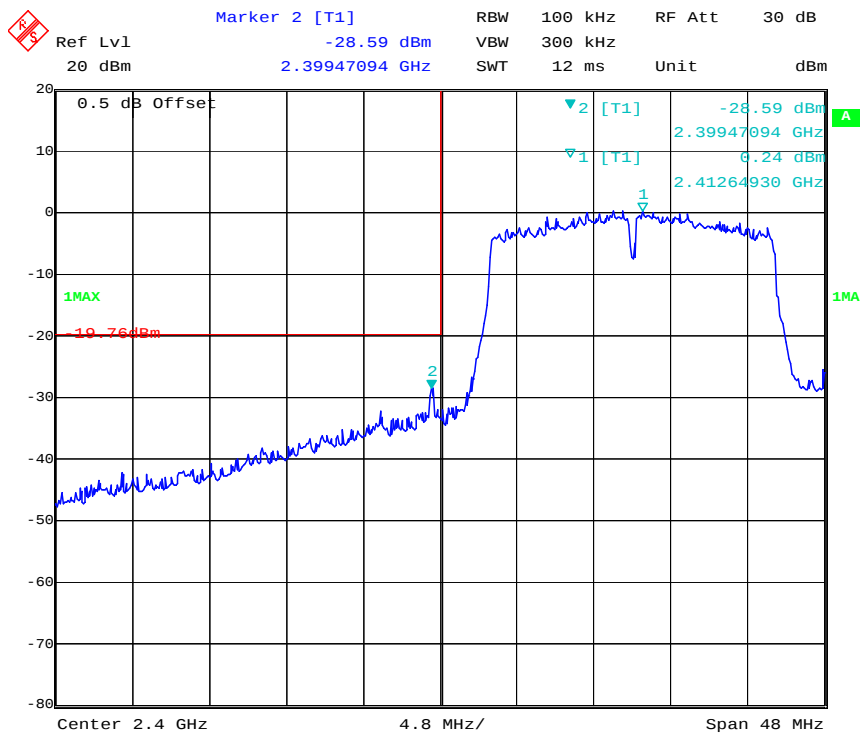
802.11g: Band Edge, Left Side



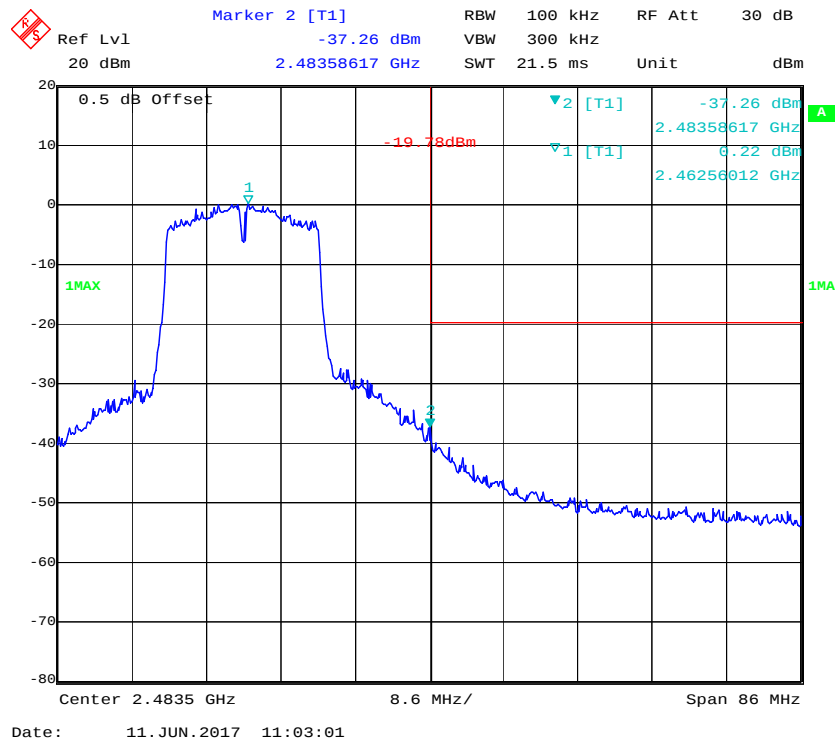
802.11g: Band Edge, Right Side



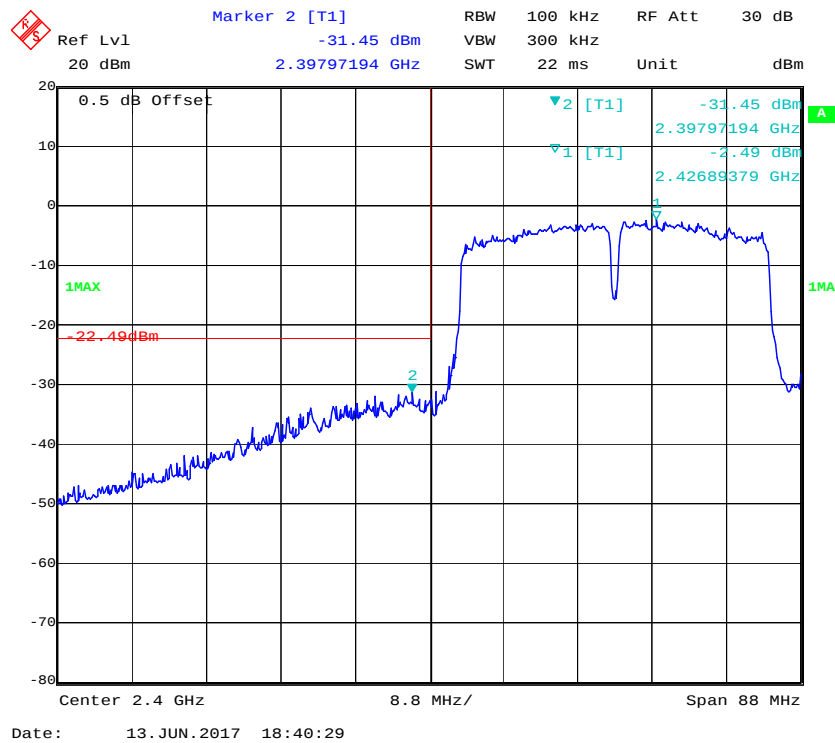
802.11n ht20 Band Edge, Left Side



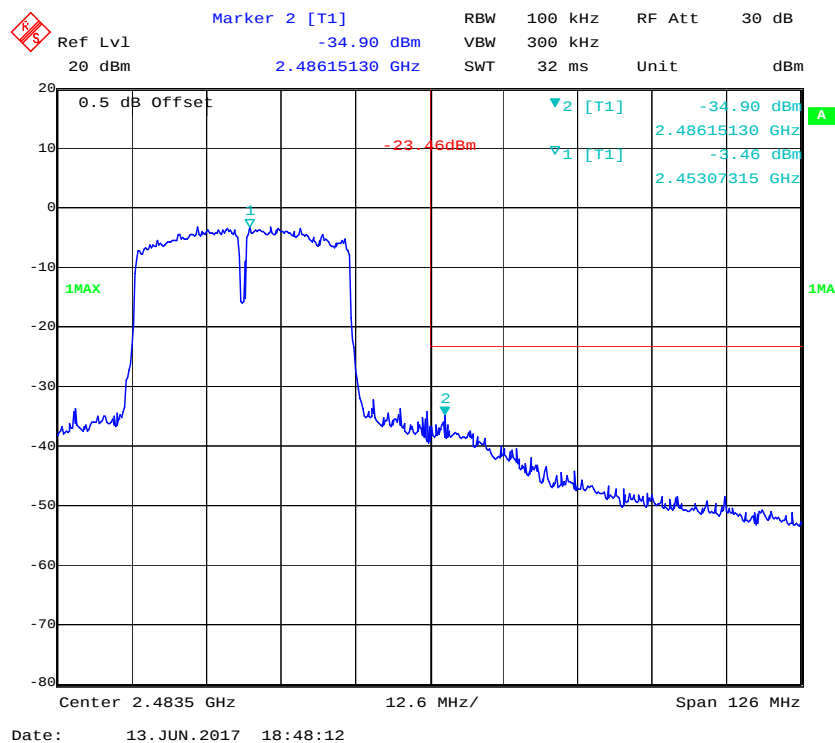
802.11n ht20 Band Edge, Right Side



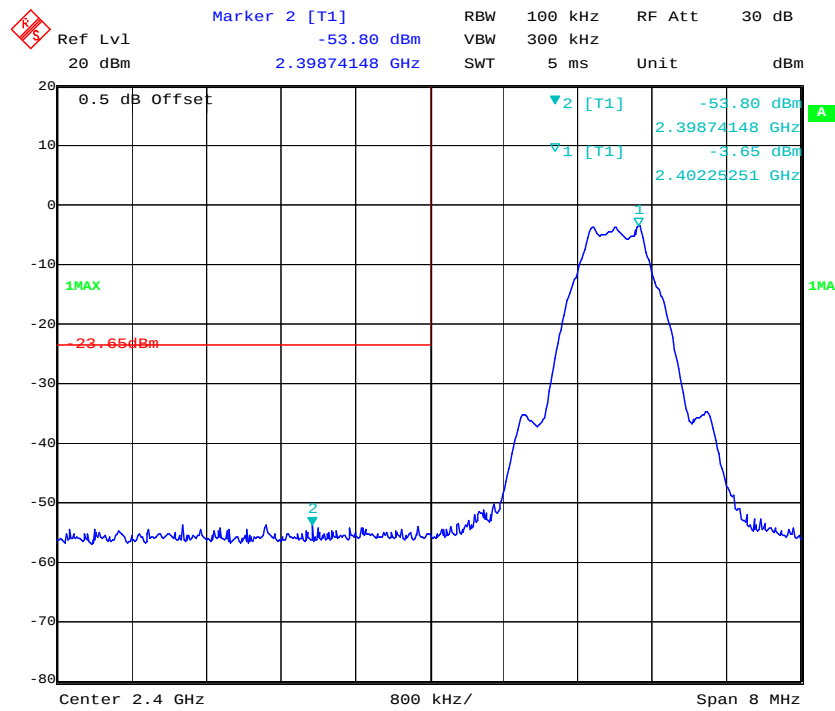
802.11n ht40 Band Edge, Left Side



802.11n ht40 Band Edge, Right Side

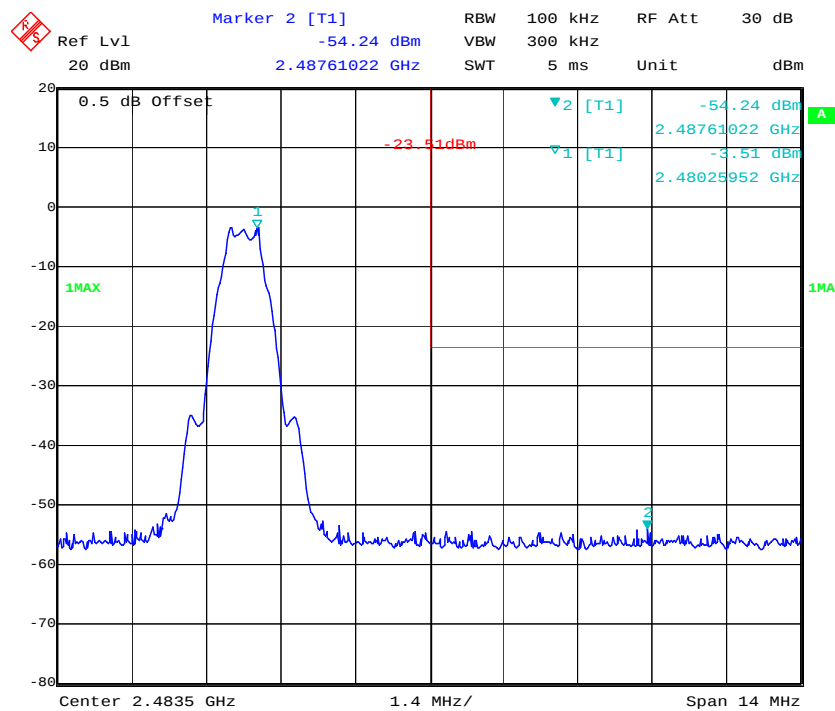


BLE Band Edge , Left Side



Date: 9 JUN. 2017 20:42:16

BLE Band Edge , Right Side



Date: 9 JUN. 2017 20:45:42

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.

Test Procedure

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 times the DTS bandwidth.
- c) Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- d) Set the VBW $\geq 3 \times \text{RBW}$.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) 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	831929/005	2016-09-21	2017-09-20
Unknown	RF Cable	Unknown	C-2	Each Time	/

* **Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Data

Environmental Conditions

Temperature:	26.1~28.4 °C
Relative Humidity:	43.2~54.2 %
ATM Pressure:	100.1 kPa

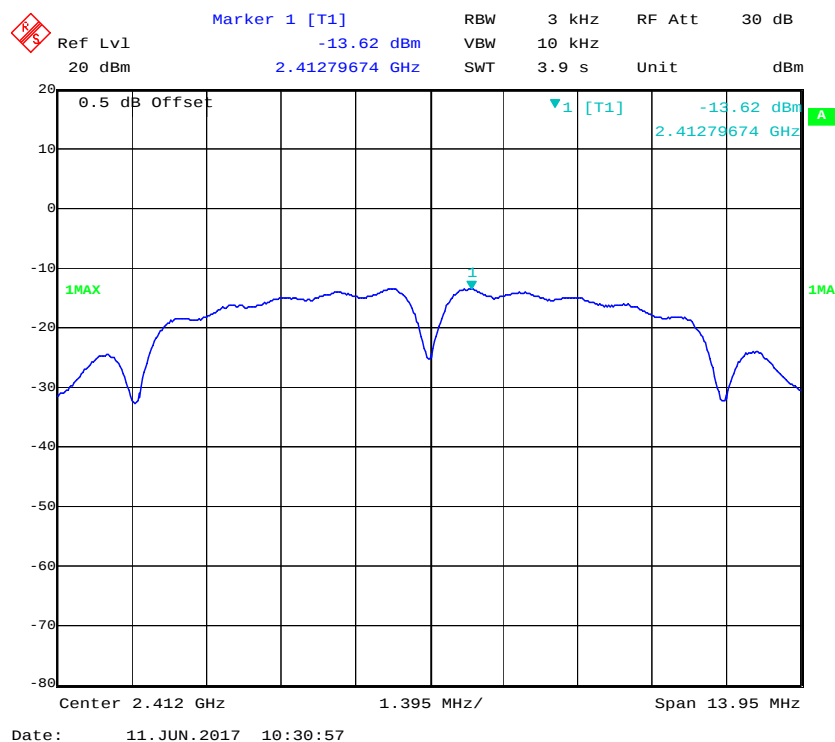
* The testing was performed by Kevin Hu from 2017-06-09 to 2017-06-13.

Test Mode: Transmitting

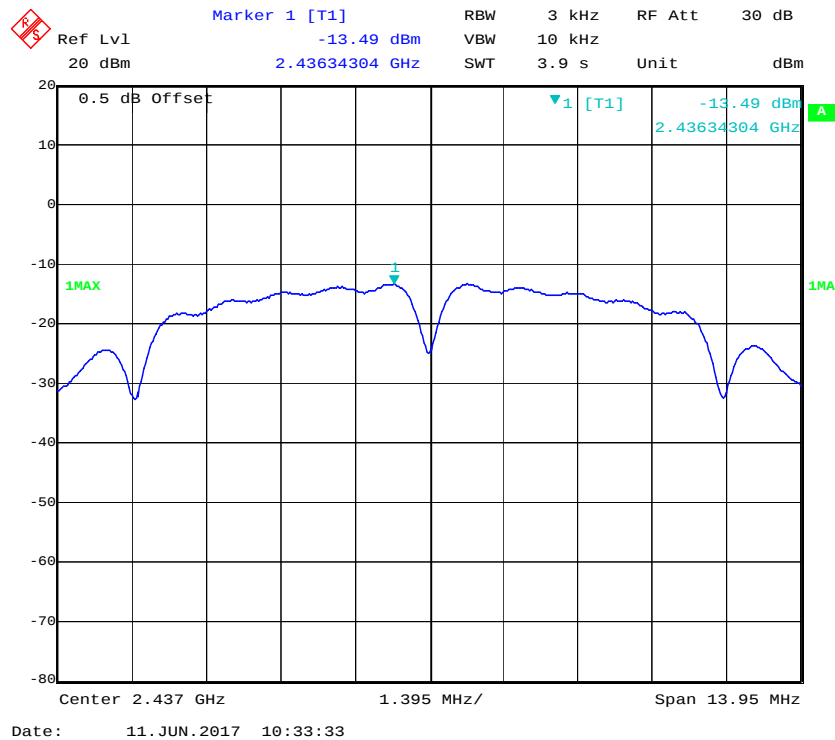
Test Result: Compliant. Please refer to the following table and plots

Test mode	Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
802.11b	Low	2412	-13.62	≤8
	Middle	2437	-13.49	≤8
	High	2462	-13.74	≤8
802.11g	Low	2412	-14.26	≤8
	Middle	2437	-14.6	≤8
	High	2462	-14.29	≤8
802.11n20	Low	2412	-13.96	≤8
	Middle	2437	-13.56	≤8
	High	2462	-13.89	≤8
802.11n40	Low	2422	-15.6	≤8
	Middle	2437	-16.12	≤8
	High	2452	-15.39	≤8
BLE	Low	2402	-18.63	≤8
	Middle	2440	-18.08	≤8
	High	2480	-18.37	≤8

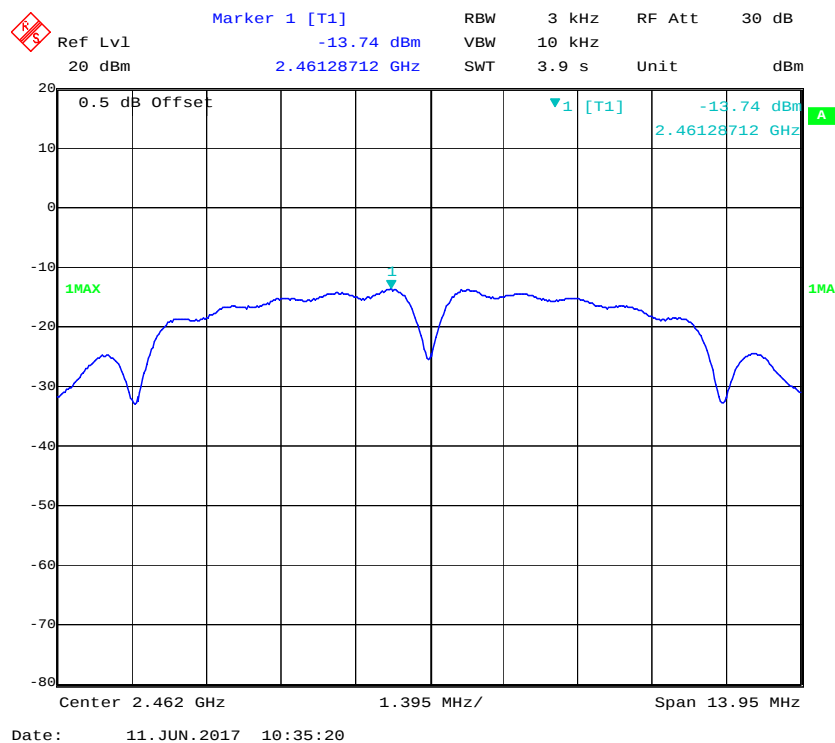
Power Spectral Density, 802.11b Low Channel



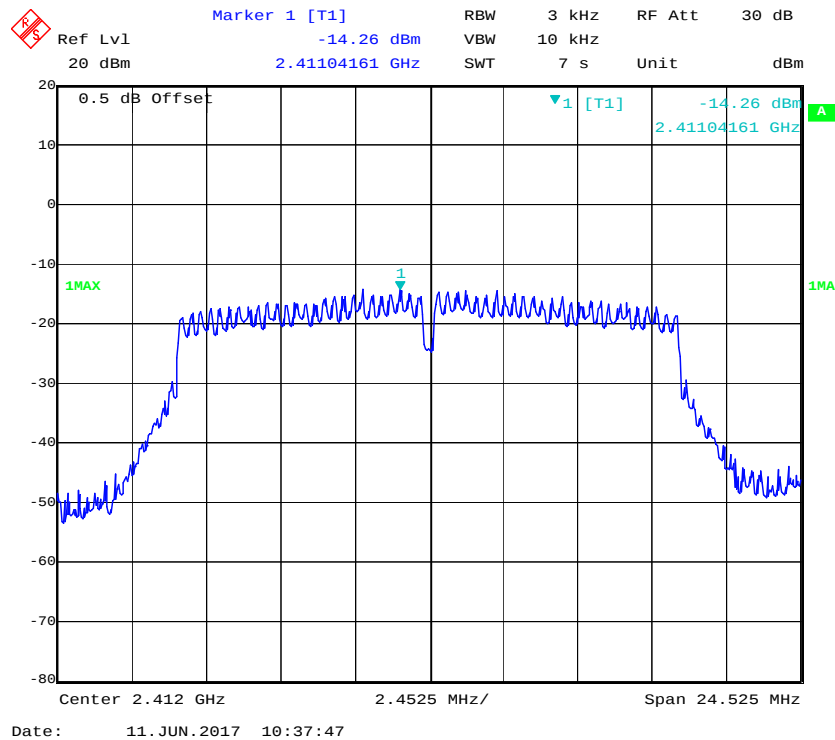
Power Spectral Density, 802.11b Middle Channel



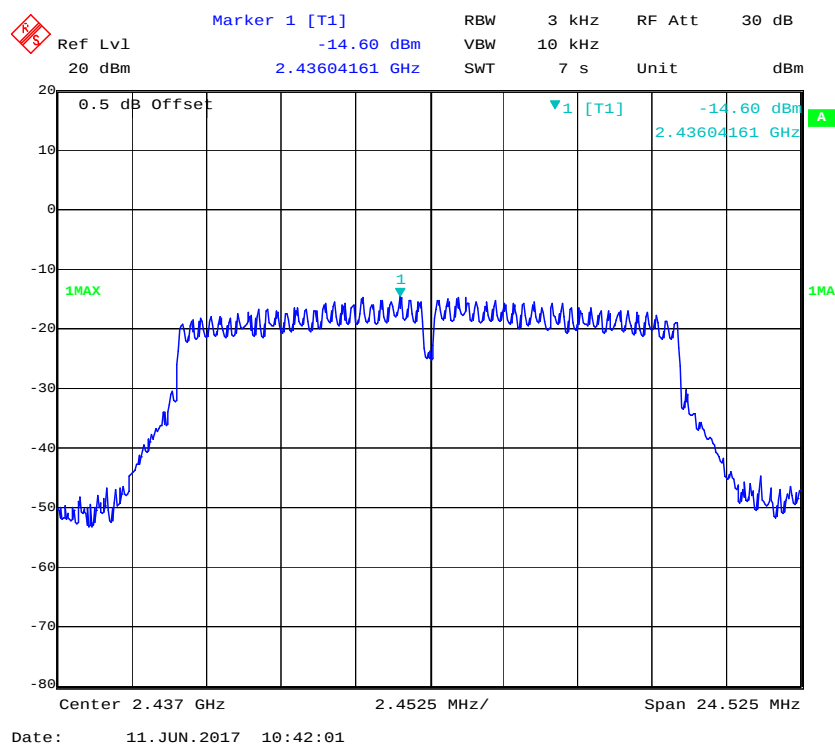
Power Spectral Density, 802.11b High Channel



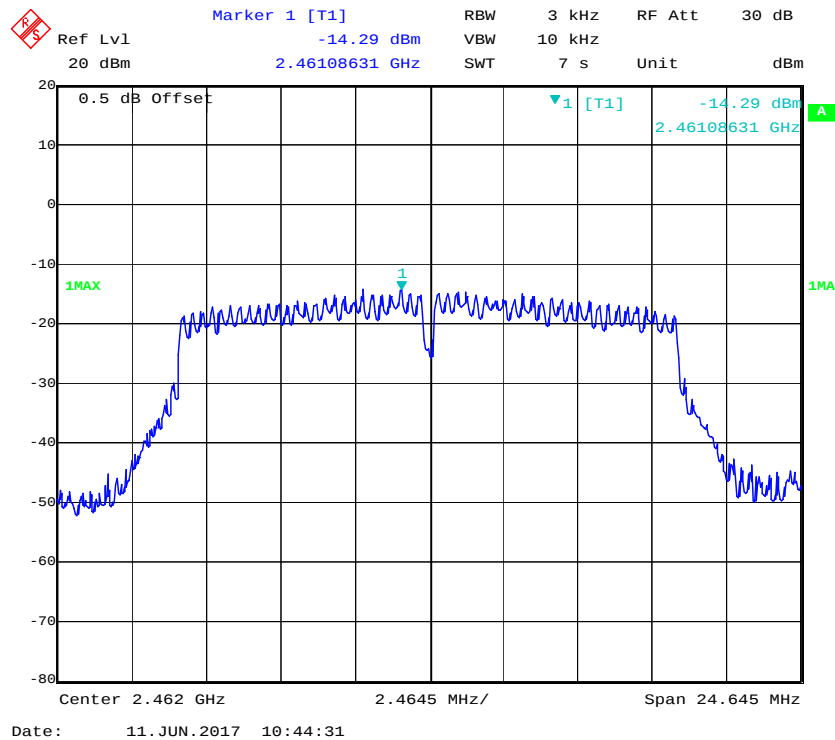
Power Spectral Density, 802.11g Low Channel



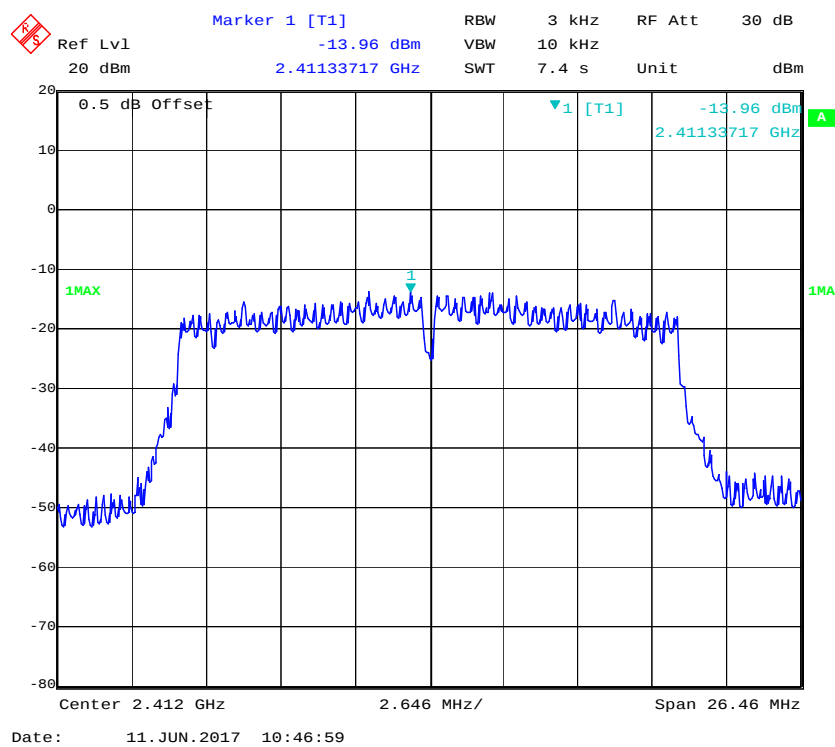
Power Spectral Density, 802.11g Middle Channel



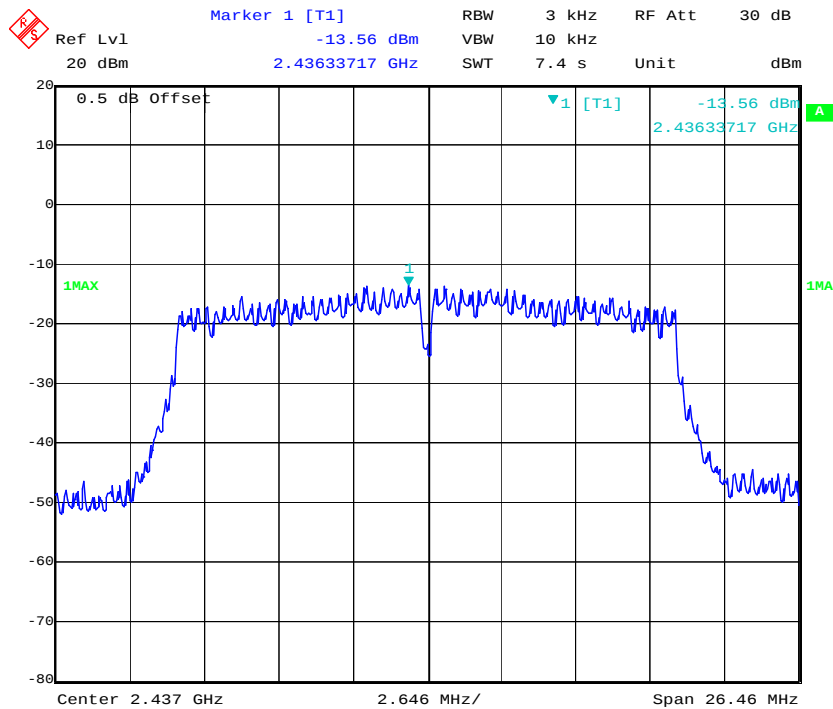
Power Spectral Density, 802.11g High Channel



Power Spectral Density, 802.11n ht20 Low Channel

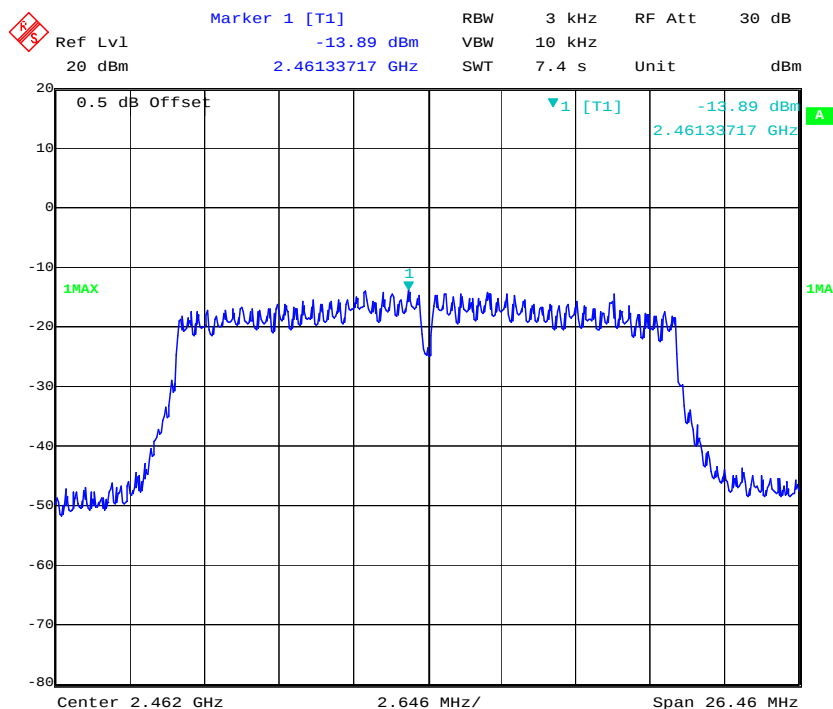


Power Spectral Density, 802.11n ht20 Middle Channel



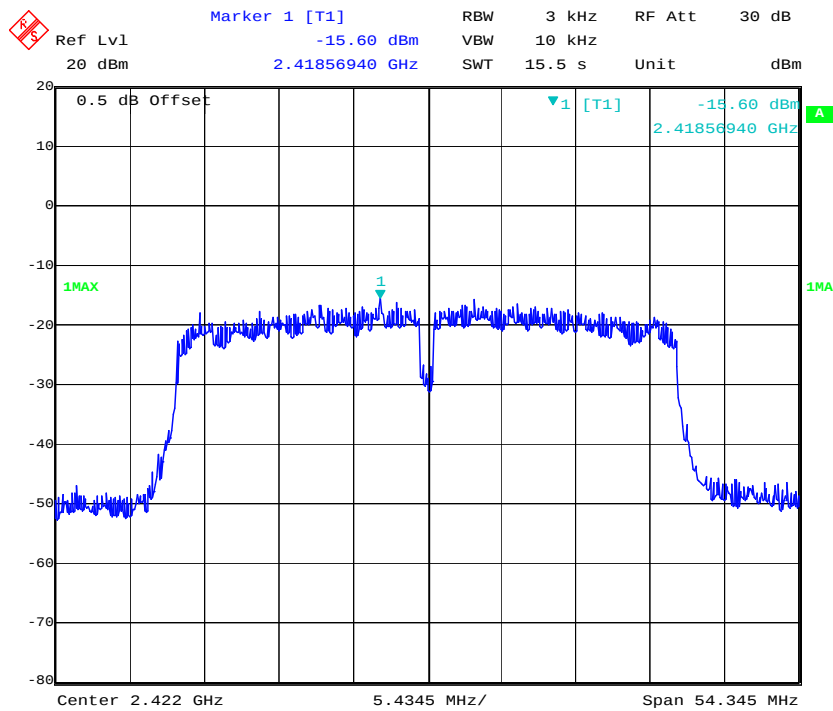
Date: 11. JUN. 2017 11:00:36

Power Spectral Density, 802.11n ht20 High Channel

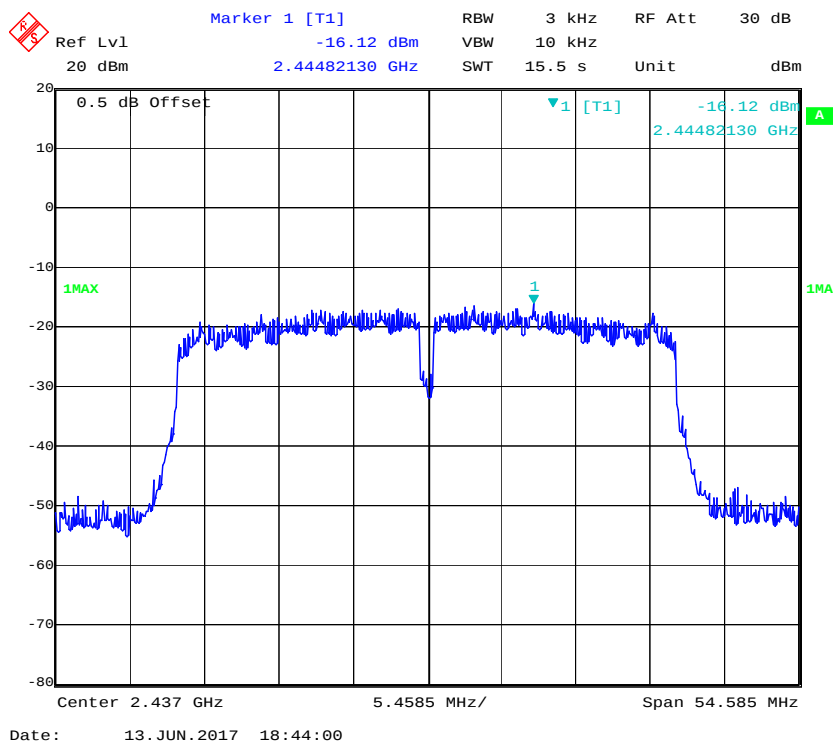


Date: 11. JUN. 2017 11:02:40

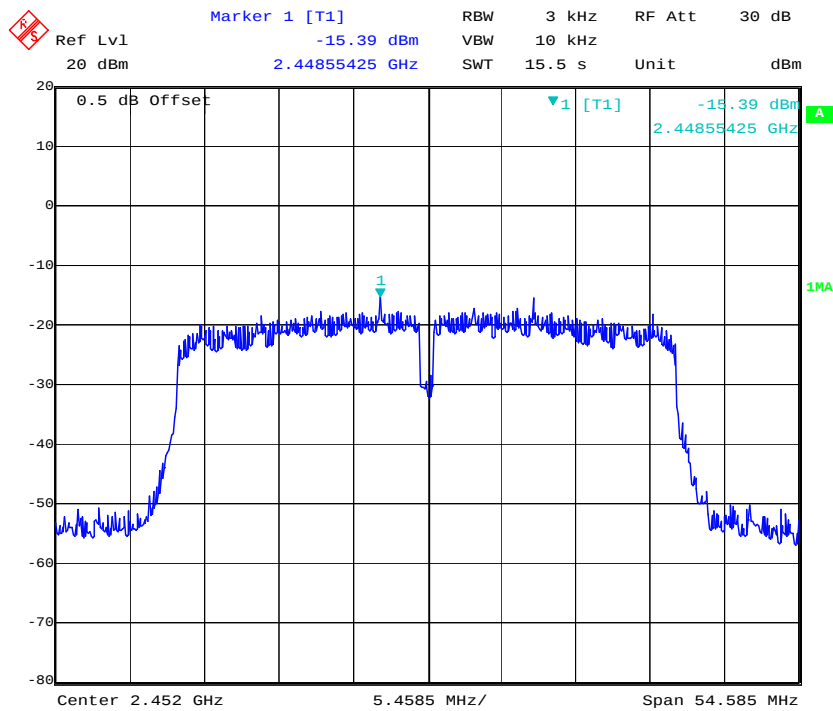
Power Spectral Density, 802.11n ht40 Low Channel



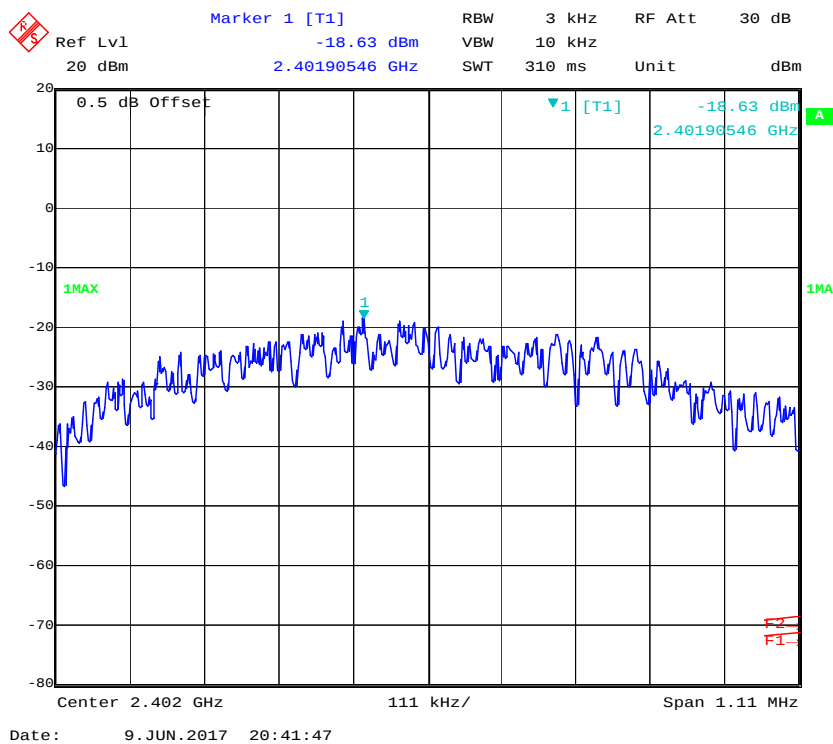
Power Spectral Density, 802.11n ht40 Middle Channel



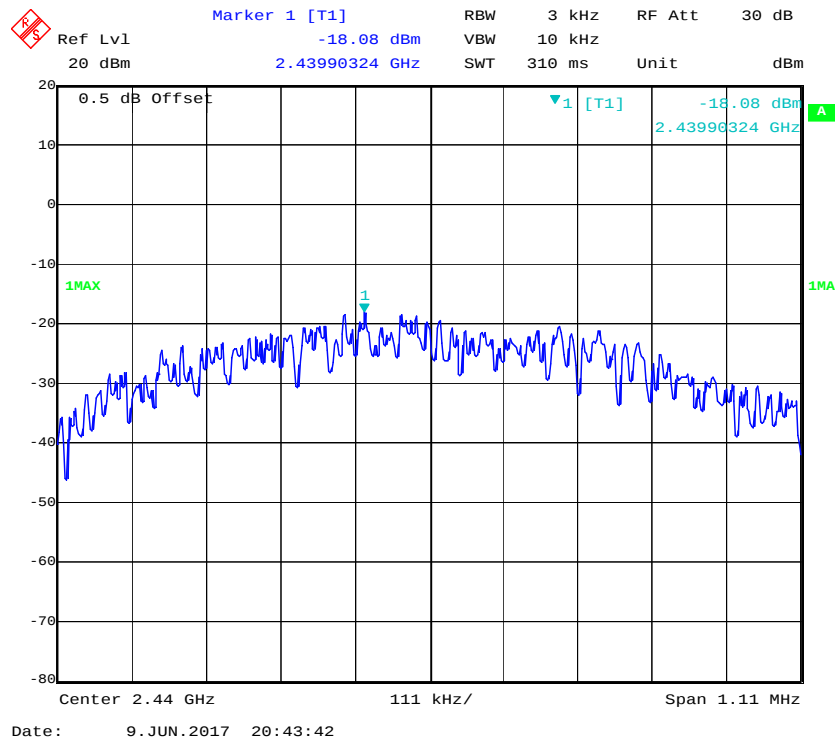
Power Spectral Density, 802.11n ht40 High Channel



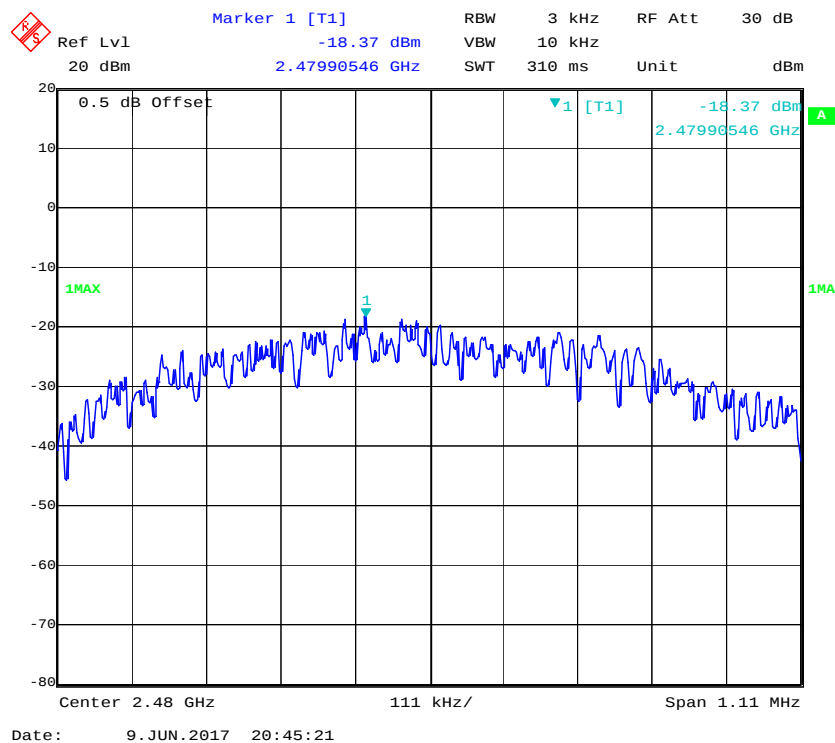
Power Spectral Density, BLE Low Channel



Power Spectral Density, BLE Middle Channel



Power Spectral Density, BLE High Channel



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