



FCC PART 15.247 TEST REPORT

For

SZ DJI TECHNOLOGY CO., LTD

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FCC ID: SS3-GL100A1704

Report Type: Original Report	Product Name: C2
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The **SZ DJI TECHNOLOGY CO., LTD**'s product, model number: **GL100A (FCC ID: SS3-GL100A1704)** (the "EUT") in this report was a **C2**, which was measured approximately: 15.7 cm (L) × 12.7 cm (W) × 9.5 cm (H), rated input voltage: DC3.7V from battery or DC5V charging from adapter.

Adapter information:

MODEL: A185-120150U-US1

INPUT: AC 100-240V~50/60HZ, 0.5A

OUTPUT: DC 5V/ 3A; DC9V/2A;DC12V/1.5A

**All measurement and test data in this report was gathered from final production sample, serial number: 170226007 (assigned by the BACL, Chengdu). It may have deviation from any other sample. The EUT supplied by the applicant was received on 2017-02-26, and EUT conformed to test requirement.*

Objective

This report is prepared on behalf of **SZ DJI TECHNOLOGY CO., LTD** in accordance with Part 2, Subpart J, Part 15, Subparts A, and C of the Federal Communications Commission's rules

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

Related Submittal(s)/Grant(s)

FCC Part 15E NII submissions with FCC ID: SS3-GL100A1704.
Part of system submissions with FCC ID: SS3-MM1A1702.

Test Methodology

All measurements detailed in this Test Report were performed in accordance with ANSI C63.10-2013 "American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices".

All of the measurements detailed in this Test Report were performed by Bay Area Compliance Laboratories Corp. (Chengdu).

The Bay Area Compliance Laboratories Corp. Chengdu's measurement Uncertainties (calculated for a k=2 Coverage Factor corresponding to approximately 95% Coverage) were as follows:

-For all of the AC Line Conducted Emissions Tests reported herein: ± 3.17 dB.
-For of all of the Direct Antenna Conducted Emissions Tests reported herein: ± 0.56 dB.

-For of all of the direct Radiated Emissions Tests reported herein are:
30 MHz to 200 MHz: ± 4.7 dB;
200 MHz to 1 GHz: ± 6.0 dB;
1 GHz to 6 GHz: ± 5.13 dB; and,
6 GHz to 40 GHz: ± 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 Engineering Mode, which was provided by the manufacturer.

The device employed 802.11b/g/n ht20 and 5M modes in 2.4GHz band. For 802.11 b/g/n ht20 mode, the device only support 1T1R mode, for 5MHz mode, the device only support 2T2R mode.

For 802.11b, 802.11g, and 802.11n ht20 and 5M modes, 11 channels are provided:

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	/	/

Test was performed at channel 1,6,11.

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

For 802.11b/g/n modes, the software "Atheros Radio Test 2" was used for testing, which was provided by manufacturer. 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. the maximum power was configured as below table, that provided by the manufacturer:

Test Mode	Test Software Version	Atheros Radio Test 2		
		2412MHz	2437MHz	2462MHz
802.11b	Test Frequency	2412MHz	2437MHz	2462MHz
	Data Rate	1Mbps	1Mbps	1Mbps
	Power Level Setting	9.5	8.5	8
802.11g	Test Frequency	2412MHz	2437MHz	2462MHz
	Data Rate	6Mbps	6Mbps	6Mbps
	Power Level Setting	9.5	8.5	8
802.11n20	Test Frequency	2412MHz	2437MHz	2462MHz
	Data Rate	MCS0	MCS0	MCS0
	Power Level Setting	9.5	8.5	8

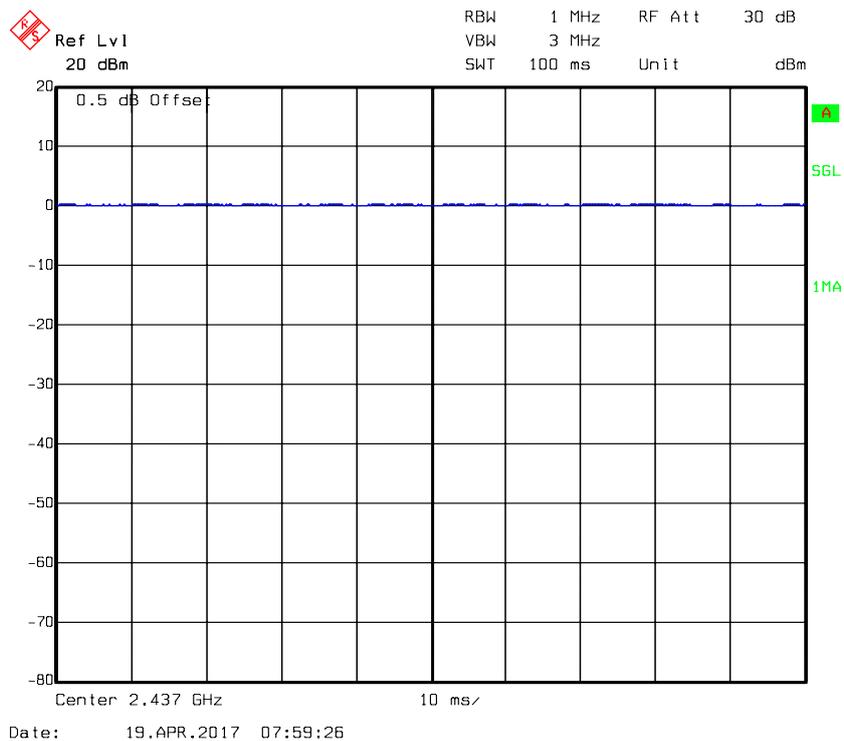
For 5MHz modes, the software "SecureCRTSecureFX_HH_x86_7.0.0.326" was used for testing, which was provided by manufacturer and the power setting as below:

Test Software Version	SecureCRTSecureFX_HH_x86_7.0.0.326		
Test Frequency	2412MHz	2437MHz	2462MHz
Power Level Setting	46	46	46

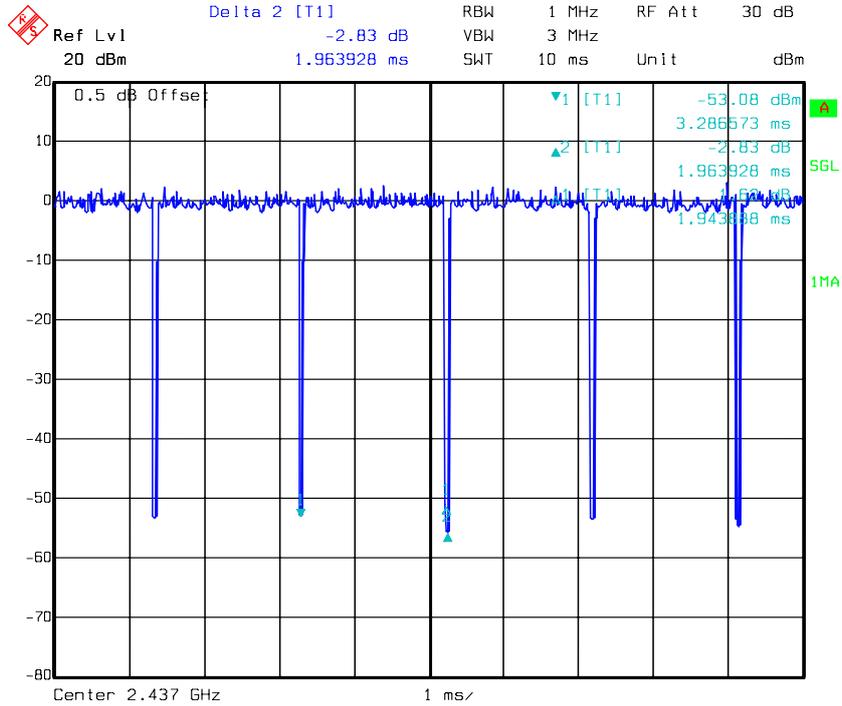
The duty cycle as below:

Test Mode	T _{on} (ms)	T _{on+off} (ms)	Duty Cycle (%)
802.11b	100	100	100
802.11g	1.94	1.96	99.0
802.11n ht20	2.06	2.08	99.0
5MHz	6.57	6.60	99.5

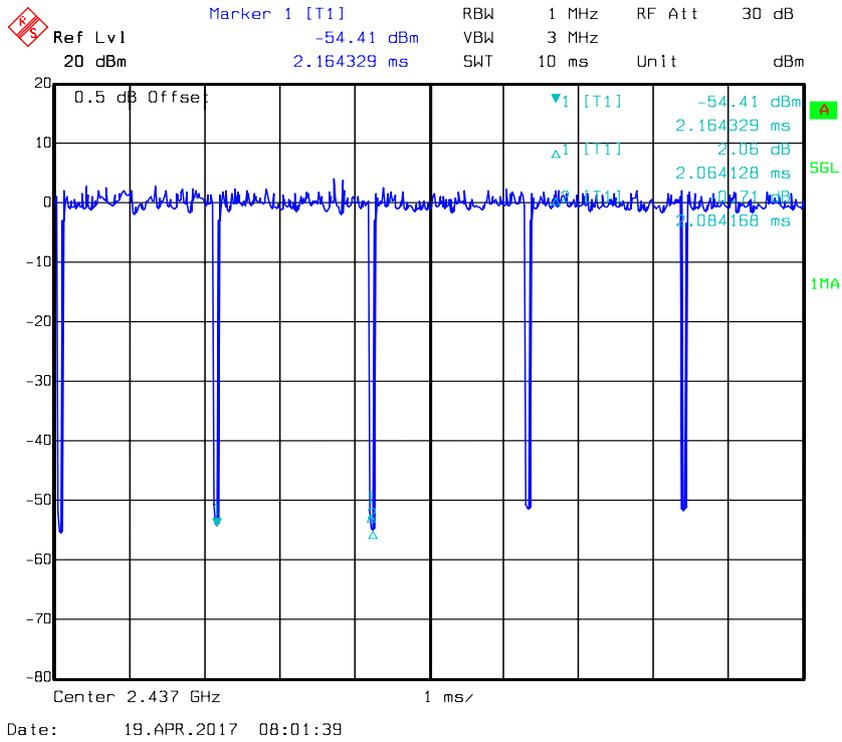
802.11b



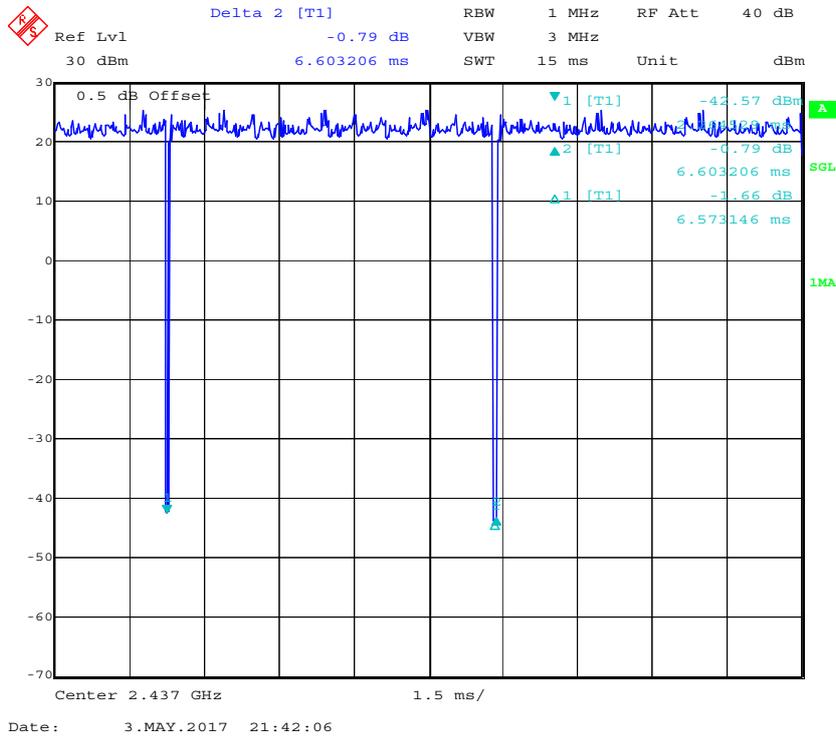
802.11g



802.11n ht20



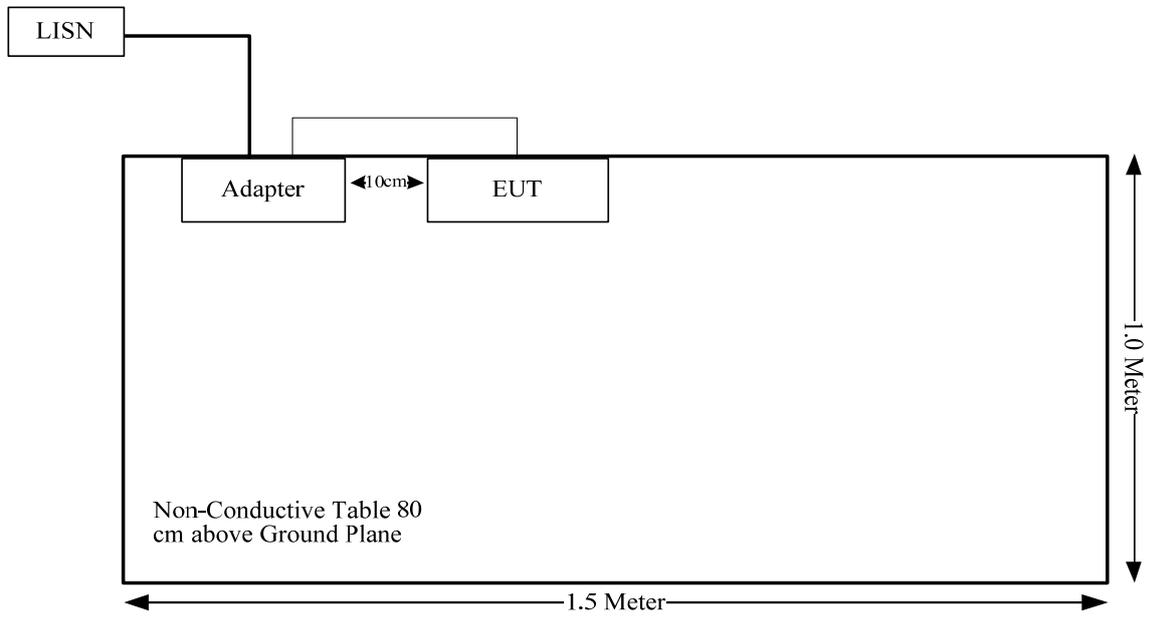
5MHz mode



Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	yes	no	0.81	USB port of Adapter	EUT

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	Compliant
§15.207 (a)	AC Line Conducted Emissions	Compliant
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliant
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliant
§15.247(b)(3)	Maximum conducted output power	Compliant
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliant
§15.247(e)	Power Spectral Density	Compliant

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 Wi-Fi mode:

The max conducted power including tune-up tolerance is 6.0 dBm (3.98 mW).

$[(\text{max. power of channel, mW})/(\text{min. test separation distance, mm})][\sqrt{f(\text{GHz})}]$
 $= 3.98/5 \cdot (\sqrt{2.462}) = 1.2 < 3.0$

So the stand-alone SAR evaluation for Wi-Fi mode is not necessary.

For 5MHz mode:

Please refer to the SAR report: RDG170226007-20A.

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 have two external antennas for 5MHz mode, which was permanently attached to the unit. For both antennas, the Maximum gain is 5.51dBi in 2.4GHz band, 3.74dBi in 5.8GHz band. The EUT have one internal antenna for Wi-Fi, the Maximum gain is 3.79dBi in 2.4GHz band, 6.47dBi in 5.8GHz band. All of the antennas compliance the requirements, Please refer to the EUT photos.

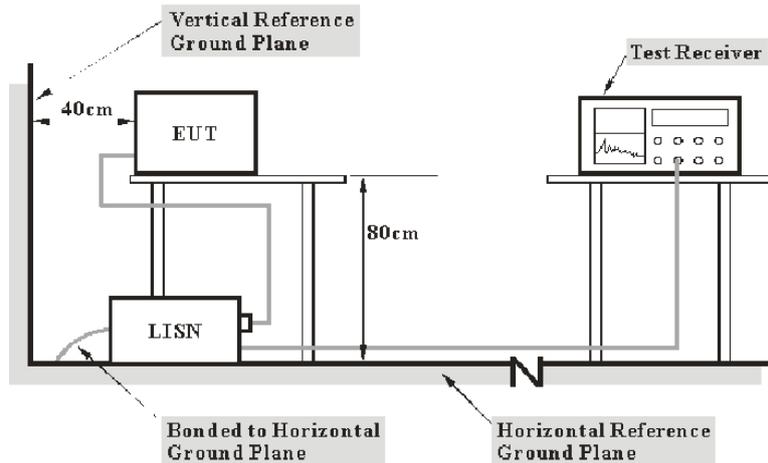
Result: Compliance.

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 an AC 120 V/60 Hz power source

EMI Test Receiver Setup

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

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

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

Test Procedure

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
Rohde & Schwarz	PULSE LIMITER	ESH3Z2	DE14781	2016-10-31	2017-10-30
Unknown	Conducted Cable	Unknown	NO.5	2016-11-10	2017-11-09
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

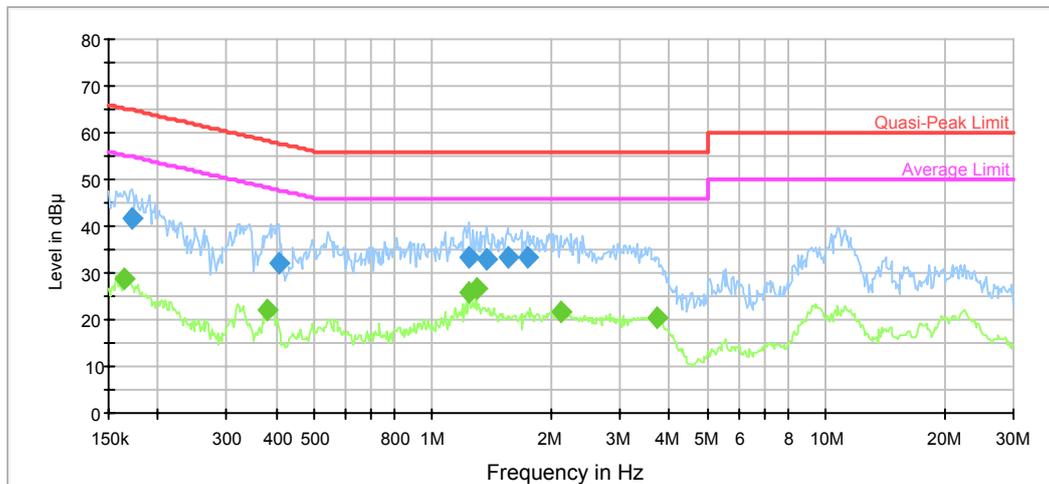
Environmental Conditions

Temperature:	19 °C
Relative Humidity:	56 %
ATM Pressure:	95.6 kPa

The testing was performed by Kevin Hu on 2017-04-18.

Test Mode: Charging

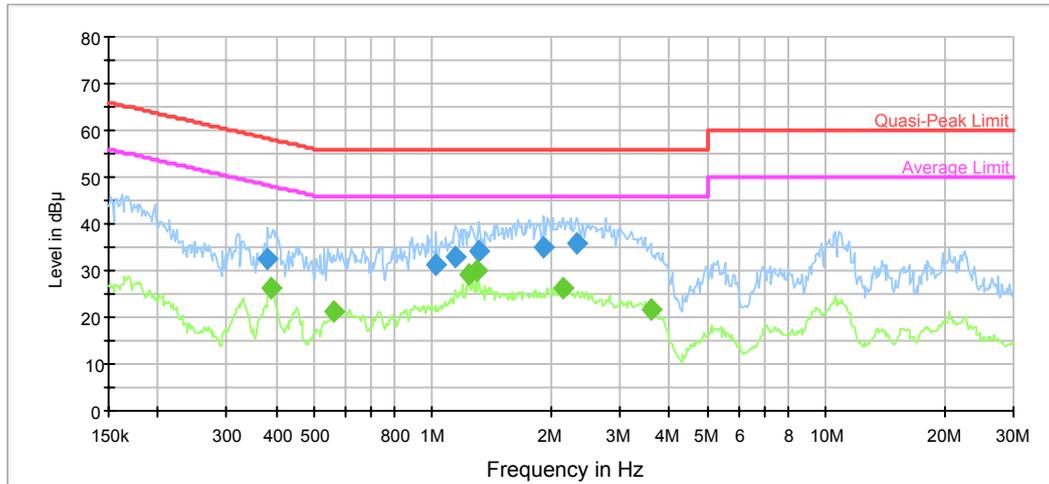
AC120 V, 60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.171759	41.7	9.000	L1	19.7	23.2	64.9	Compliance
0.406123	32.1	9.000	L1	19.8	25.6	57.7	Compliance
1.239175	33.3	9.000	L1	19.7	22.7	56.0	Compliance
1.374420	32.7	9.000	L1	19.7	23.3	56.0	Compliance
1.548915	33.5	9.000	L1	19.7	22.5	56.0	Compliance
1.745563	33.3	9.000	L1	19.7	22.7	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.165051	28.7	9.000	L1	19.7	26.5	55.2	Compliance
0.381043	22.0	9.000	L1	19.8	26.3	48.3	Compliance
1.239175	25.9	9.000	L1	19.7	20.1	46.0	Compliance
1.289541	26.9	9.000	L1	19.7	19.1	46.0	Compliance
2.130339	21.7	9.000	L1	19.8	24.3	46.0	Compliance
3.721226	20.6	9.000	L1	19.7	25.4	46.0	Compliance

AC120 V, 60 Hz, Neutral:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.381043	32.5	9.000	N	19.6	25.8	58.3	Compliance
1.023481	31.2	9.000	N	19.7	24.8	56.0	Compliance
1.144267	33.0	9.000	N	19.7	23.0	56.0	Compliance
1.310256	34.3	9.000	N	19.6	21.7	56.0	Compliance
1.920710	35.0	9.000	N	19.7	21.0	56.0	Compliance
2.325491	35.6	9.000	N	19.7	20.4	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.387164	26.2	9.000	N	19.6	21.9	48.1	Compliance
0.563041	21.4	9.000	N	19.6	24.6	46.0	Compliance
1.239175	29.2	9.000	N	19.6	16.8	46.0	Compliance
1.289541	29.8	9.000	N	19.6	16.2	46.0	Compliance
2.147382	26.2	9.000	N	19.7	19.8	46.0	Compliance
3.604490	21.5	9.000	N	19.7	24.5	46.0	Compliance

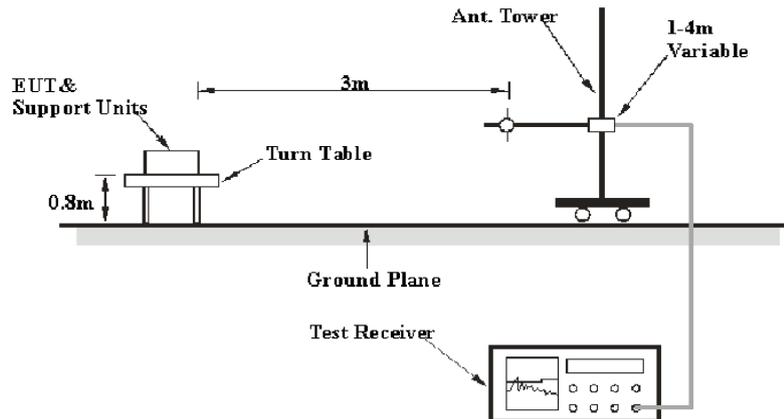
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

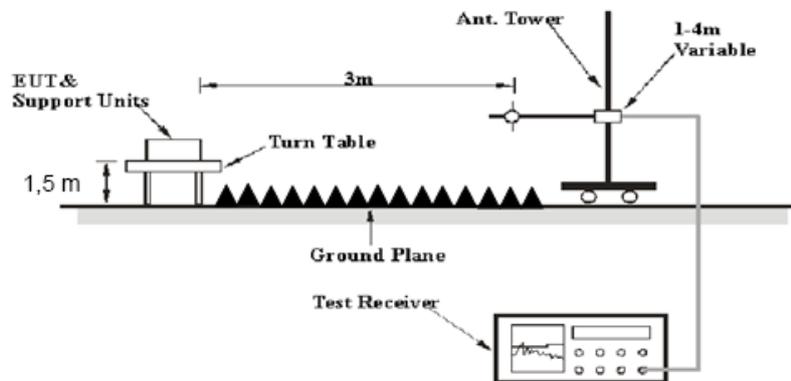
FCC §15.247 (d); §15.209; §15.205;

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:

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

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	2016-05-20	2017-05-19
Quinstar	Amplifier	QLW-18405536-JO	15964001032	2016-08-18	2017-08-18
EMCT	Semi-Anechoic Chamber	966	966-1	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
WEINSCHL ENGINEERING	Attenuator	1A10dB	AA4135	2016-11-10	2017-11-09
Rohde & Schwarz	EMC32	N/A	V 8.54.0	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:	18 °C
Relative Humidity:	56 %
ATM Pressure:	95.4 kPa

* The testing was performed by Kevin Hu on 2017-04-14.

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 (PK/QP/AV)	Polar (H/V)	Factor (dB)					
Low Channel: 2412 MHz									
2412	64.77	PK	H	23.50	3.00	0.00	91.27	N/A	N/A
2412	59.65	AV	H	23.50	3.00	0.00	86.15	N/A	N/A
2412	62.03	PK	V	23.50	3.00	0.00	88.53	N/A	N/A
2412	56.42	AV	V	23.50	3.00	0.00	82.92	N/A	N/A
2390	26.83	PK	H	23.57	3.00	0.00	53.40	74.00	20.60
2390	14.89	AV	H	23.57	3.00	0.00	41.46	54.00	12.54
4824	35.15	PK	H	30.84	5.11	26.87	44.23	74.00	29.77
4824	24.77	AV	H	30.84	5.11	26.87	33.85	54.00	20.15
7236	33.72	PK	H	34.77	6.18	26.36	48.31	74.00	25.69
7236	22.61	AV	H	34.77	6.18	26.36	37.20	54.00	16.80
1339	30.27	PK	H	23.68	2.45	26.48	29.92	74.00	44.08
1339	19.44	AV	H	23.68	2.45	26.48	19.09	54.00	34.91
518.88	39.2	QP	H	18.29	1.66	28.82	30.33	46.00	15.67
818.61	40.4	QP	H	22.01	2.31	28.40	36.32	46.00	9.68
Middle Channel: 2437 MHz									
2437	64.12	PK	H	23.41	3.00	0.00	90.53	N/A	N/A
2437	58.86	AV	H	23.41	3.00	0.00	85.27	N/A	N/A
2437	62.46	PK	V	23.41	3.00	0.00	88.87	N/A	N/A
2437	57.51	AV	V	23.41	3.00	0.00	83.92	N/A	N/A
4874	35.39	PK	H	31.00	5.09	26.87	44.61	74.00	29.39
4874	25.21	AV	H	31.00	5.09	26.87	34.43	54.00	19.57
7311	33.76	PK	H	34.92	6.21	26.40	48.49	74.00	25.51
7311	23.03	AV	H	34.92	6.21	26.40	37.76	54.00	16.24
1367	30.92	PK	H	23.75	2.49	26.46	30.70	74.00	43.30
1367	20.43	AV	H	23.75	2.49	26.46	20.21	54.00	33.79
2118	33.75	PK	H	24.50	3.04	26.84	34.45	74.00	39.55
2118	22.67	AV	H	24.50	3.04	26.84	23.37	54.00	30.63
518.88	39.3	QP	H	18.29	1.66	28.82	30.43	46.00	15.57
818.61	40.4	QP	H	22.01	2.31	28.40	36.32	46.00	9.68
High Channel: 2462 MHz									
2462	63.73	PK	H	23.33	2.99	0.00	90.05	N/A	N/A
2462	58.94	AV	H	23.33	2.99	0.00	85.26	N/A	N/A
2462	61.71	PK	V	23.33	2.99	0.00	88.03	N/A	N/A
2462	56.27	AV	V	23.33	2.99	0.00	82.59	N/A	N/A
2483.5	27.64	PK	H	23.26	2.99	0.00	53.89	74.00	20.11
2483.5	15.23	AV	H	23.26	2.99	0.00	41.48	54.00	12.52
4924	36.11	PK	H	31.16	5.07	26.88	45.46	74.00	28.54
4924	25.28	AV	H	31.16	5.07	26.88	34.63	54.00	19.37
7386	34.62	PK	H	35.07	6.25	26.43	49.51	74.00	24.49
7386	23.89	AV	H	35.07	6.25	26.43	38.78	54.00	15.22
1413	30.79	PK	H	23.87	2.55	26.41	30.80	74.00	43.20
1413	20.01	AV	H	23.87	2.55	26.41	20.02	54.00	33.98
518.88	39.5	QP	H	18.29	1.66	28.82	30.63	46.00	15.37
818.61	40.3	QP	H	22.01	2.31	28.40	36.22	46.00	9.78

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 (PK/QP/AV)	Polar (H/V)	Factor (dB)					
Low Channel: 2412 MHz									
2412	67.52	PK	H	23.50	3.00	0.00	94.02	N/A	N/A
2412	57.15	AV	H	23.50	3.00	0.00	83.65	N/A	N/A
2412	65.63	PK	V	23.50	3.00	0.00	92.13	N/A	N/A
2412	55.04	AV	V	23.50	3.00	0.00	81.54	N/A	N/A
2390	27.82	PK	H	23.57	3.00	0.00	54.39	74.00	19.61
2390	15.63	AV	H	23.57	3.00	0.00	42.20	54.00	11.80
4824	35.6	PK	H	30.84	5.11	26.87	44.68	74.00	29.32
4824	24.88	AV	H	30.84	5.11	26.87	33.96	54.00	20.04
7236	33.97	PK	H	34.77	6.18	26.36	48.56	74.00	25.44
7236	22.52	AV	H	34.77	6.18	26.36	37.11	54.00	16.89
1339	30.66	PK	H	23.68	2.45	26.48	30.31	74.00	43.69
1339	19.94	AV	H	23.68	2.45	26.48	19.59	54.00	34.41
518.88	39.2	QP	H	18.29	1.66	28.82	30.33	46.00	15.67
818.61	40.6	QP	H	22.01	2.31	28.40	36.52	46.00	9.48
Middle Channel: 2437 MHz									
2437	66.82	PK	H	23.41	3.00	0.00	93.23	N/A	N/A
2437	56.45	AV	H	23.41	3.00	0.00	82.86	N/A	N/A
2437	66.03	PK	V	23.41	3.00	0.00	92.44	N/A	N/A
2437	54.86	AV	V	23.41	3.00	0.00	81.27	N/A	N/A
4874	35.91	PK	H	31.00	5.09	26.87	45.13	74.00	28.87
4874	25.75	AV	H	31.00	5.09	26.87	34.97	54.00	19.03
7311	33.92	PK	H	34.92	6.21	26.40	48.65	74.00	25.35
7311	23.08	AV	H	34.92	6.21	26.40	37.81	54.00	16.19
1367	30.8	PK	H	23.75	2.49	26.46	30.58	74.00	43.42
1367	20.28	AV	H	23.75	2.49	26.46	20.06	54.00	33.94
2118	33.05	PK	H	24.50	3.04	26.84	33.75	74.00	40.25
2118	22.59	AV	H	24.50	3.04	26.84	23.29	54.00	30.71
518.88	39.4	QP	H	18.29	1.66	28.82	30.53	46.00	15.47
818.61	40.4	QP	H	22.01	2.31	28.40	36.32	46.00	9.68
High Channel: 2462 MHz									
2462	66.96	PK	H	23.33	2.99	0.00	93.28	N/A	N/A
2462	56.25	AV	H	23.33	2.99	0.00	82.57	N/A	N/A
2462	65.96	PK	V	23.33	2.99	0.00	92.28	N/A	N/A
2462	55.19	AV	V	23.33	2.99	0.00	81.51	N/A	N/A
2483.5	28.41	PK	H	23.26	2.99	0.00	54.66	74.00	19.34
2483.5	16.29	AV	H	23.26	2.99	0.00	42.54	54.00	11.46
4924	35.55	PK	H	31.16	5.07	26.88	44.90	74.00	29.10
4924	25.07	AV	H	31.16	5.07	26.88	34.42	54.00	19.58
7386	34.04	PK	H	35.07	6.25	26.43	48.93	74.00	25.07
7386	23.48	AV	H	35.07	6.25	26.43	38.37	54.00	15.63
1413	31.78	PK	H	23.87	2.55	26.41	31.79	74.00	42.21
1413	20.65	AV	H	23.87	2.55	26.41	20.66	54.00	33.34
518.88	39.1	QP	H	18.29	1.66	28.82	30.23	46.00	15.77
818.61	40.4	QP	H	22.01	2.31	28.40	36.32	46.00	9.68

802.11 n 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 (PK/QP/AV)	Polar (H/V)	Factor (dB)					
Low Channel: 2412 MHz									
2412	67.68	PK	H	23.50	3.00	0.00	94.18	N/A	N/A
2412	57.1	AV	H	23.50	3.00	0.00	83.60	N/A	N/A
2412	65.41	PK	V	23.50	3.00	0.00	91.91	N/A	N/A
2412	55.3	AV	V	23.50	3.00	0.00	81.80	N/A	N/A
2390	28.2	PK	H	23.57	3.00	0.00	54.77	74.00	19.23
2390	15.35	AV	H	23.57	3.00	0.00	41.92	54.00	12.08
4824	35.04	PK	H	30.84	5.11	26.87	44.12	74.00	29.88
4824	24.42	AV	H	30.84	5.11	26.87	33.50	54.00	20.50
7236	33.65	PK	H	34.77	6.18	26.36	48.24	74.00	25.76
7236	22.93	AV	H	34.77	6.18	26.36	37.52	54.00	16.48
1339	30.33	PK	H	23.68	2.45	26.48	29.98	74.00	44.02
1339	19.74	AV	H	23.68	2.45	26.48	19.39	54.00	34.61
518.88	39.4	QP	H	18.29	1.66	28.82	30.53	46.00	15.47
818.61	40.5	QP	H	22.01	2.31	28.40	36.42	46.00	9.58
Middle Channel: 2437 MHz									
2437	67.02	PK	H	23.41	3.00	0.00	93.43	N/A	N/A
2437	56.55	AV	H	23.41	3.00	0.00	82.96	N/A	N/A
2437	66.24	PK	V	23.41	3.00	0.00	92.65	N/A	N/A
2437	55.06	AV	V	23.41	3.00	0.00	81.47	N/A	N/A
4874	35.95	PK	H	31.00	5.09	26.87	45.17	74.00	28.83
4874	24.72	AV	H	31.00	5.09	26.87	33.94	54.00	20.06
7311	34	PK	H	34.92	6.21	26.40	48.73	74.00	25.27
7311	22.89	AV	H	34.92	6.21	26.40	37.62	54.00	16.38
1367	31.32	PK	H	23.75	2.49	26.46	31.10	74.00	42.90
1367	20.35	AV	H	23.75	2.49	26.46	20.13	54.00	33.87
2118	32.66	PK	H	24.50	3.04	26.84	33.36	74.00	40.64
2118	21.51	AV	H	24.50	3.04	26.84	22.21	54.00	31.79
518.88	39.4	QP	H	18.29	1.66	28.82	30.53	46.00	15.47
818.61	40.5	QP	H	22.01	2.31	28.40	36.42	46.00	9.58
High Channel: 2462 MHz									
2462	67.22	PK	H	23.33	2.99	0.00	93.54	N/A	N/A
2462	56.03	AV	H	23.33	2.99	0.00	82.35	N/A	N/A
2462	66.14	PK	V	23.33	2.99	0.00	92.46	N/A	N/A
2462	55.41	AV	V	23.33	2.99	0.00	81.73	N/A	N/A
2483.5	28.83	PK	H	23.26	2.99	0.00	55.08	74.00	18.92
2483.5	15.89	AV	H	23.26	2.99	0.00	42.14	54.00	11.86
4924	35.54	PK	H	31.16	5.07	26.88	44.89	74.00	29.11
4924	24.37	AV	H	31.16	5.07	26.88	33.72	54.00	20.28
7386	35.09	PK	H	35.07	6.25	26.43	49.98	74.00	24.02
7386	24.13	AV	H	35.07	6.25	26.43	39.02	54.00	14.98
1413	31.48	PK	H	23.87	2.55	26.41	31.49	74.00	42.51
1413	19.85	AV	H	23.87	2.55	26.41	19.86	54.00	34.14
518.88	39.4	QP	H	18.29	1.66	28.82	30.53	46.00	15.47
818.61	40.7	QP	H	22.01	2.31	28.40	36.62	46.00	9.38

5M Mode (2TX)

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)					
Low Channel: 2412 MHz									
2412	94.84	PK	H	23.50	3.00	0.00	121.34	N/A	N/A
2412	86.02	AV	H	23.50	3.00	0.00	112.52	N/A	N/A
2412	85.97	PK	V	23.50	3.00	0.00	112.47	N/A	N/A
2412	76.53	AV	V	23.50	3.00	0.00	103.03	N/A	N/A
2390	32.41	PK	H	23.57	3.00	0.00	58.98	74.00	15.02
2390	21.17	AV	H	23.57	3.00	0.00	47.74	54.00	6.26
4824	47.77	PK	H	30.84	5.11	26.87	56.85	74.00	17.15
4824	38.44	AV	H	30.84	5.11	26.87	47.52	54.00	6.48
7236	40.94	PK	H	34.77	6.18	26.36	55.53	74.00	18.47
7236	32.03	AV	H	34.77	6.18	26.36	46.62	54.00	7.38
1338	33.3	PK	H	23.68	2.45	26.49	32.94	74.00	41.06
1338	23.99	AV	H	23.68	2.45	26.49	23.63	54.00	30.37
220.12	47.5	QP	H	11.60	1.02	27.67	32.45	46.00	13.55
481.05	38.7	QP	H	18.19	1.65	28.70	29.84	46.00	16.16
Middle Channel: 2437 MHz									
2437	95.86	PK	H	23.41	3.00	0.00	122.27	N/A	N/A
2437	86.12	AV	H	23.41	3.00	0.00	112.53	N/A	N/A
2437	85.91	PK	V	23.41	3.00	0.00	112.32	N/A	N/A
2437	77.13	AV	V	23.41	3.00	0.00	103.54	N/A	N/A
4874	48.32	PK	H	31.00	5.09	26.87	57.54	74.00	16.46
4874	38.39	AV	H	31.00	5.09	26.87	47.61	54.00	6.39
7311	42.01	PK	H	34.92	6.21	26.40	56.74	74.00	17.26
7311	33.12	AV	H	34.92	6.21	26.40	47.85	54.00	6.15
1367	33.57	PK	H	23.75	2.49	26.46	33.35	74.00	40.65
1367	24.53	AV	H	23.75	2.49	26.46	24.31	54.00	29.69
2116	33.75	PK	H	24.51	3.04	26.84	34.46	74.00	39.54
2116	23.03	AV	H	24.51	3.04	26.84	23.74	54.00	30.26
220.12	47.6	QP	H	11.60	1.02	27.67	32.55	46.00	13.45
481.05	38.7	QP	H	18.19	1.65	28.70	29.84	46.00	16.16
High Channel: 2462 MHz									
2462	96.74	PK	H	23.33	2.99	0.00	123.06	N/A	N/A
2462	87.1	AV	H	23.33	2.99	0.00	113.42	N/A	N/A
2462	86.26	PK	V	23.33	2.99	0.00	112.58	N/A	N/A
2462	76.28	AV	V	23.33	2.99	0.00	102.60	N/A	N/A
2483.5	33.14	PK	H	23.26	2.99	0.00	59.39	74.00	14.61
2483.5	22.29	AV	H	23.26	2.99	0.00	48.54	54.00	5.46
4924	48.06	PK	H	31.16	5.07	26.88	57.41	74.00	16.59
4924	38.49	AV	H	31.16	5.07	26.88	47.84	54.00	6.16
7386	40.89	PK	H	35.07	6.25	26.43	55.78	74.00	18.22
7386	32.13	AV	H	35.07	6.25	26.43	47.02	54.00	6.98
1405	34.34	PK	H	23.85	2.54	26.42	34.31	74.00	39.69
1405	24.92	AV	H	23.85	2.54	26.42	24.89	54.00	29.11
220.12	47.5	QP	H	11.60	1.02	27.67	32.45	46.00	13.55
481.05	38.9	QP	H	18.19	1.65	28.70	30.04	46.00	15.96

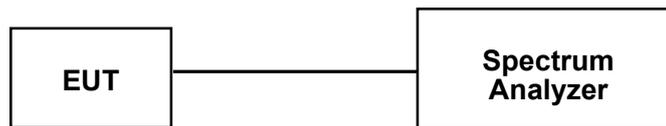
FCC §15.247(a) (2) – 6 dB EMISSION BANDWIDTH

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

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) 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
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
Unknown	RF Cable	Unknown	C-3	Each Time	/
Unknown	RF Attenuator	10dB	10dB-1	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:	18~18.5 °C
Relative Humidity:	52~54 %
ATM Pressure:	96.2~96.5 kPa

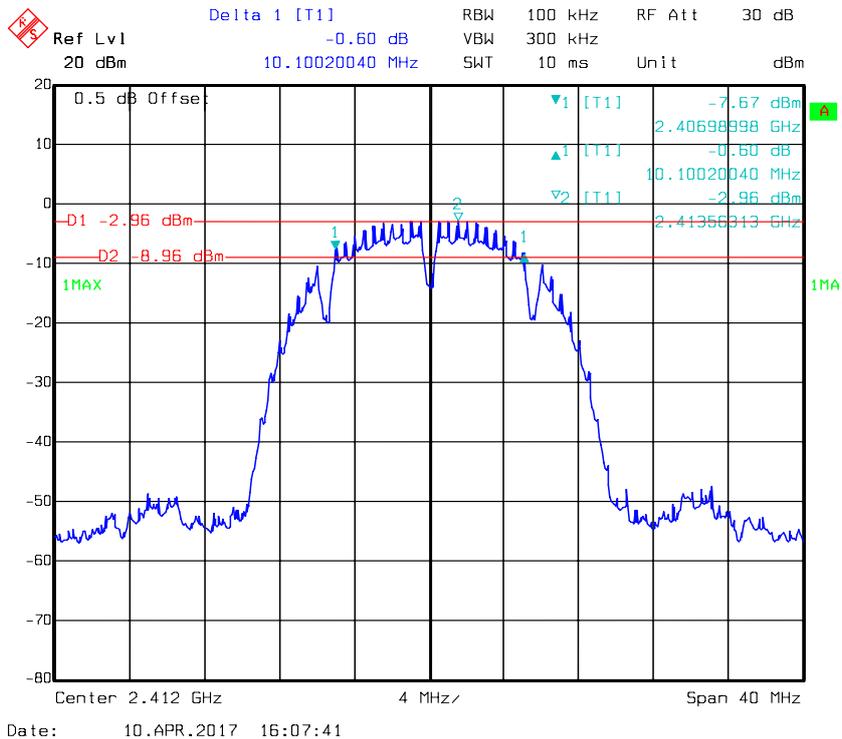
* The testing was performed by Kevin Hu from 2017-04-10 to 2017-04-13.

Test Mode: Transmitting

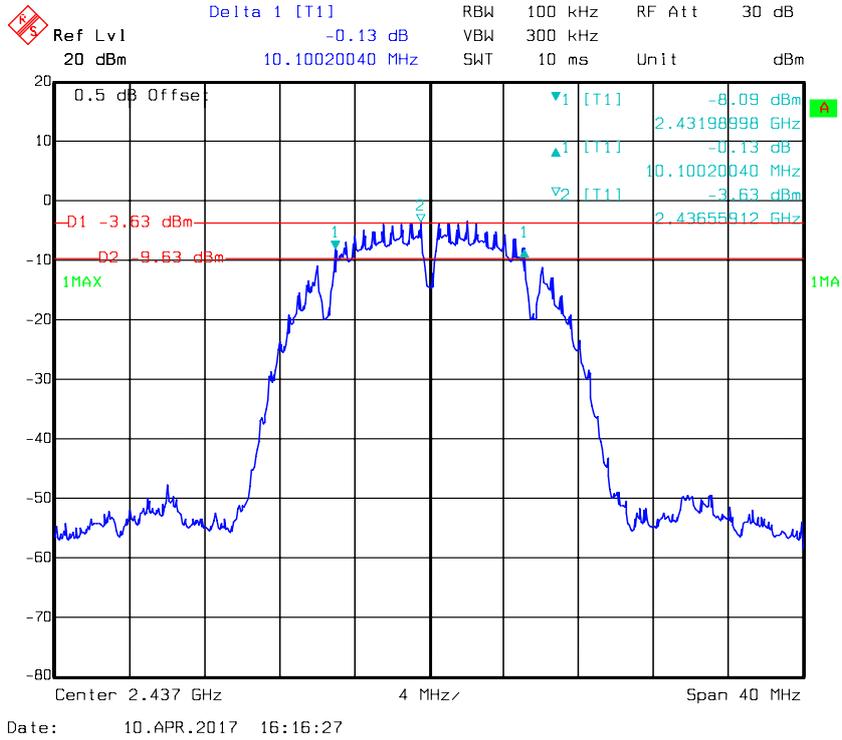
Test Result: Compliant(For 5MHz mode, test performed at antenna 1)
Please refer to the following table and plots.

Test mode	Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)
802.11b	Low	2412	10.1	≥0.5
	Middle	2437	10.1	≥0.5
	High	2462	10.1	≥0.5
802.11g	Low	2412	16.51	≥0.5
	Middle	2437	16.51	≥0.5
	High	2462	16.35	≥0.5
802.11n ht20	Low	2412	17.64	≥0.5
	Middle	2437	17.64	≥0.5
	High	2462	17.64	≥0.5
5M	Low	2412	4.188	≥0.5
	Middle	2437	4.228	≥0.5
	High	2462	4.188	≥0.5

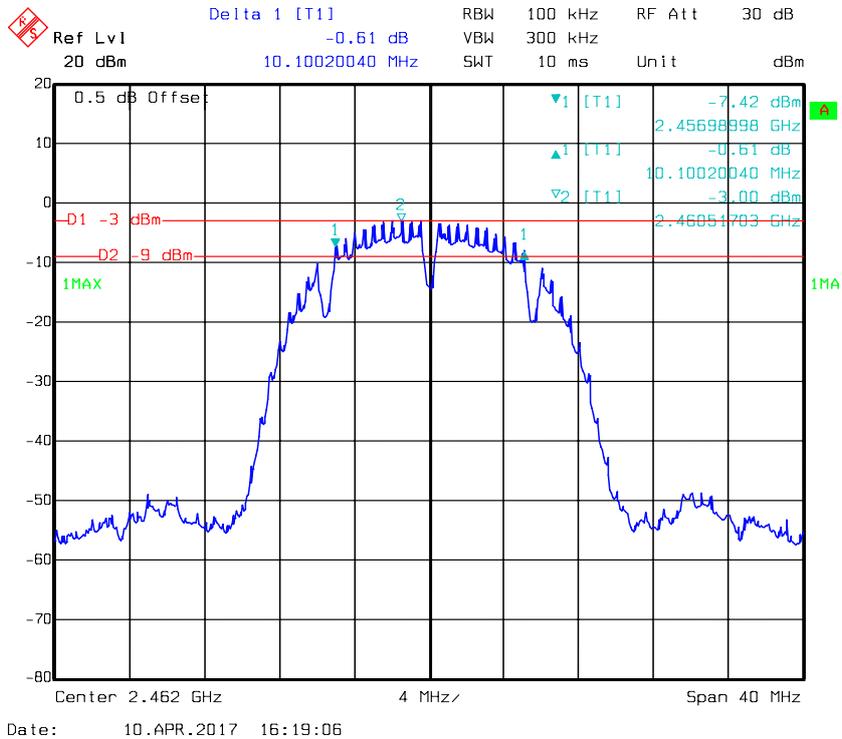
802.11b Low Channel



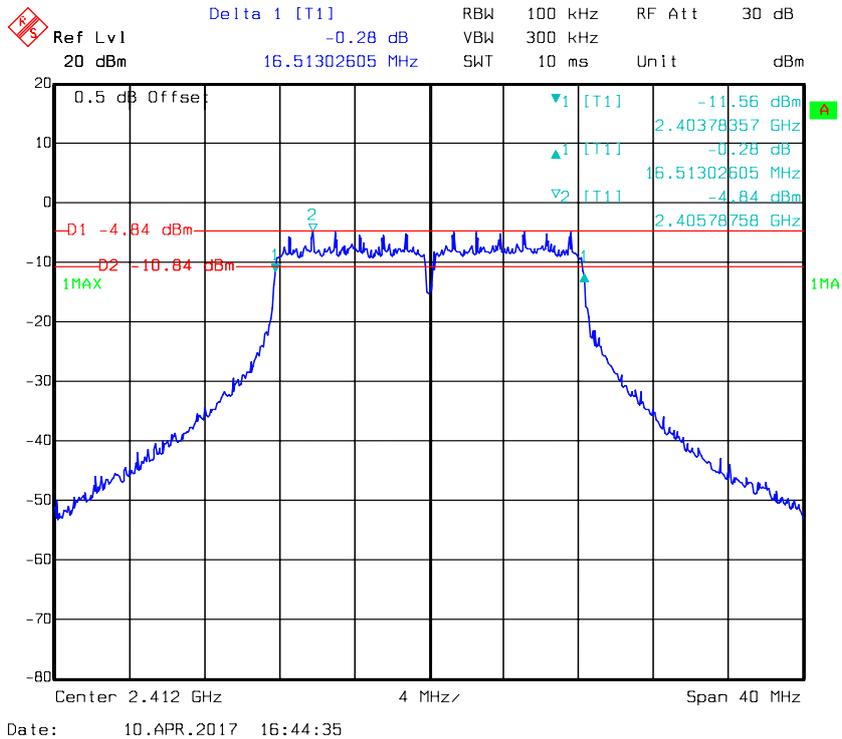
802.11b Middle Channel



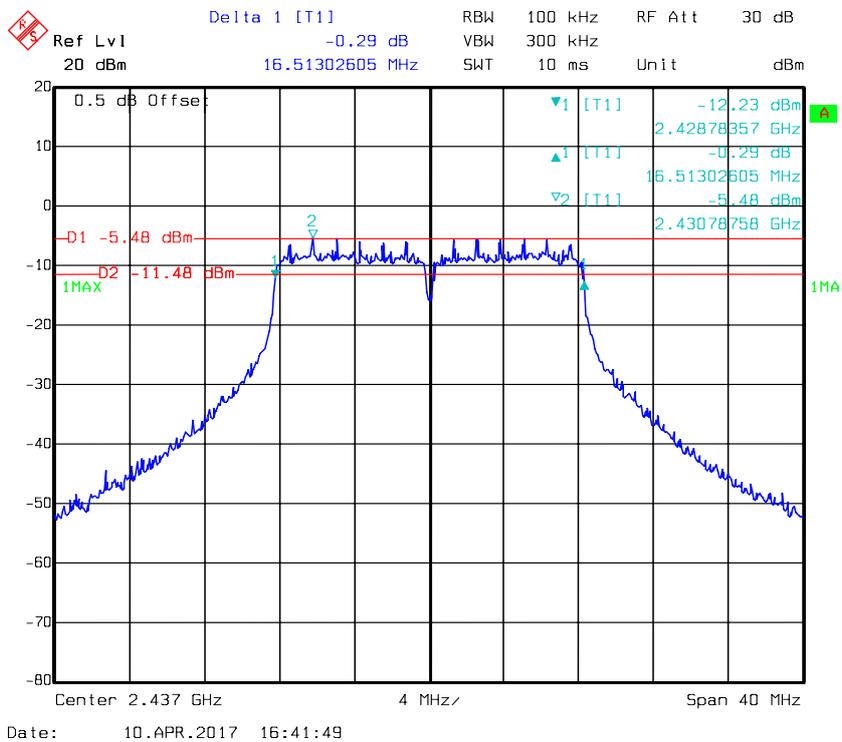
802.11b High Channel



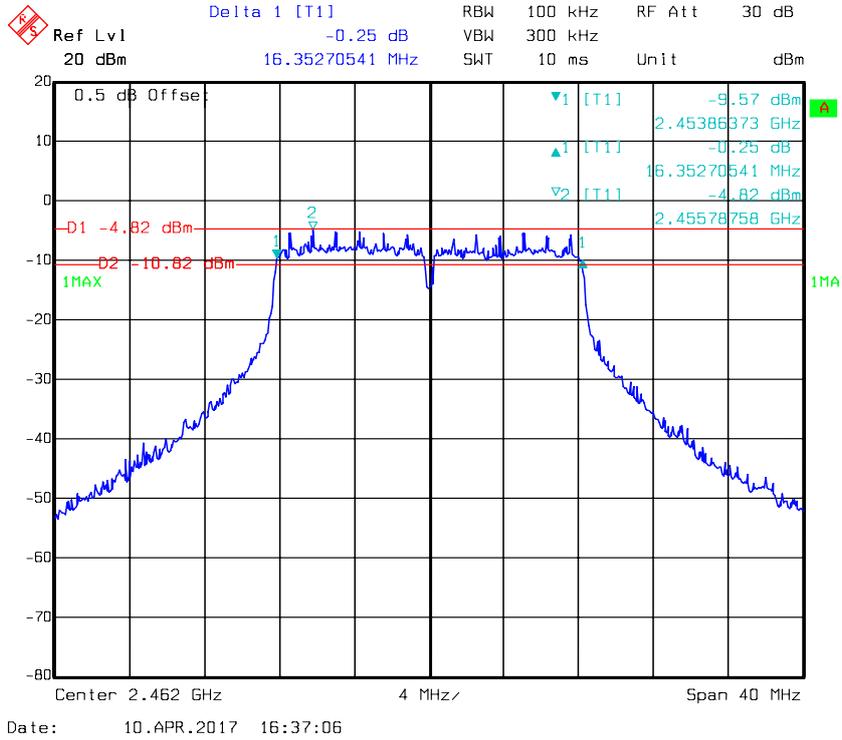
802.11g Low Channel



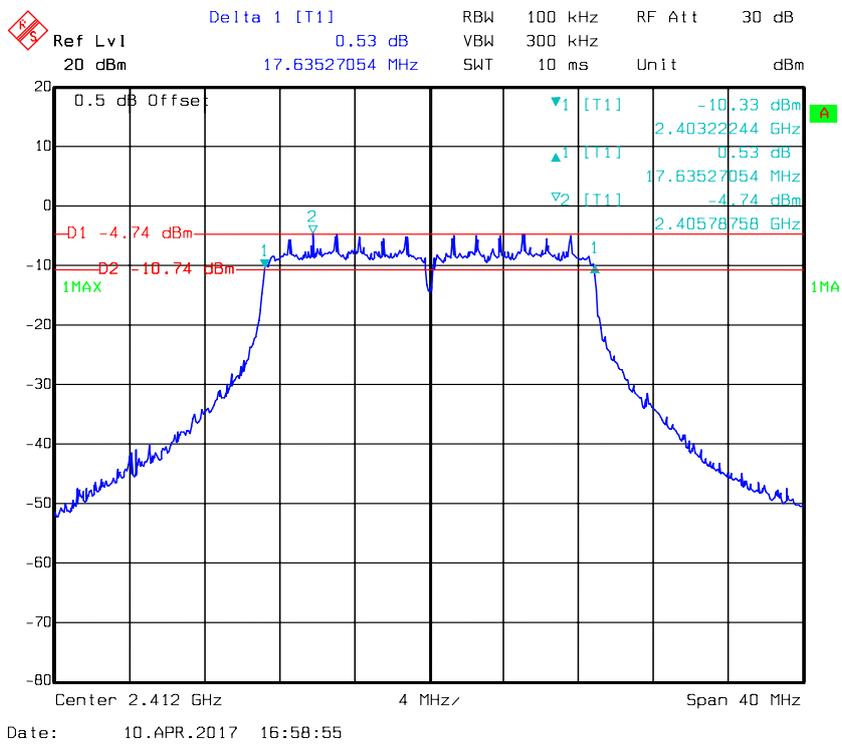
802.11g Middle Channel



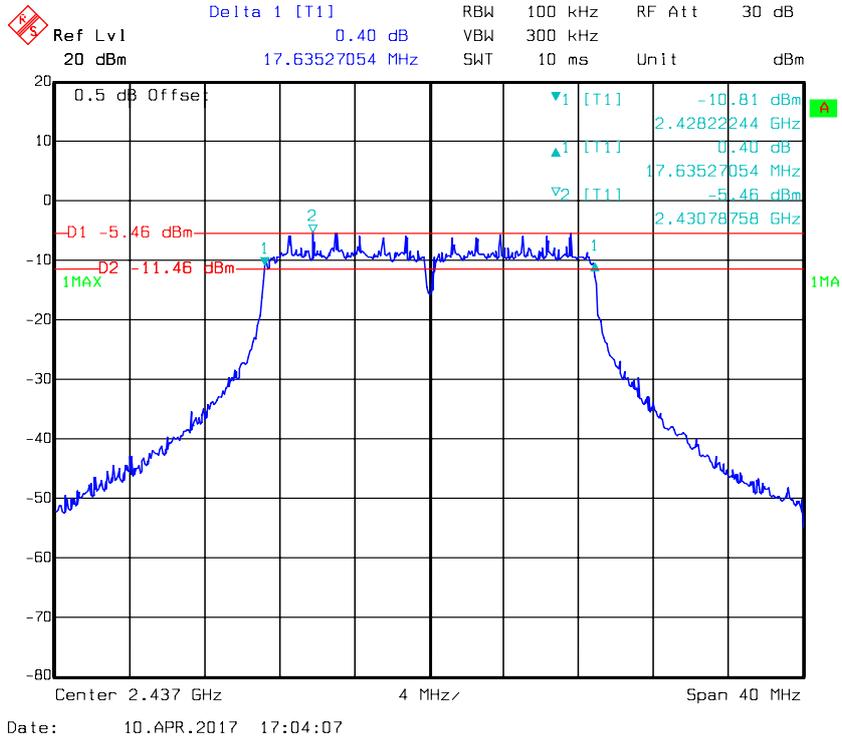
802.11g High Channel



802.11n ht20 Low Channel

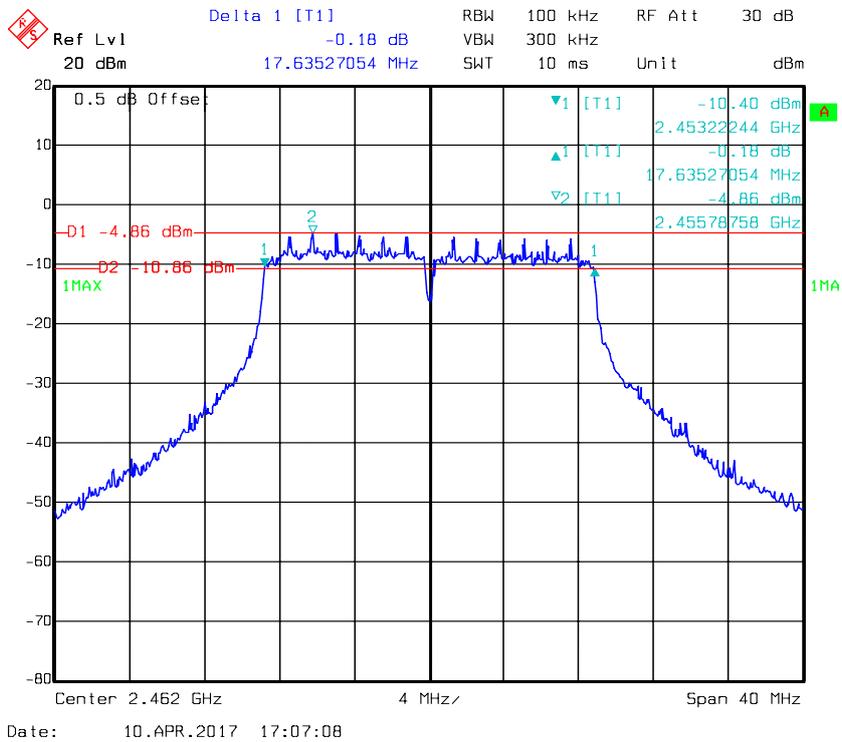


802.11n ht20 Middle Channel



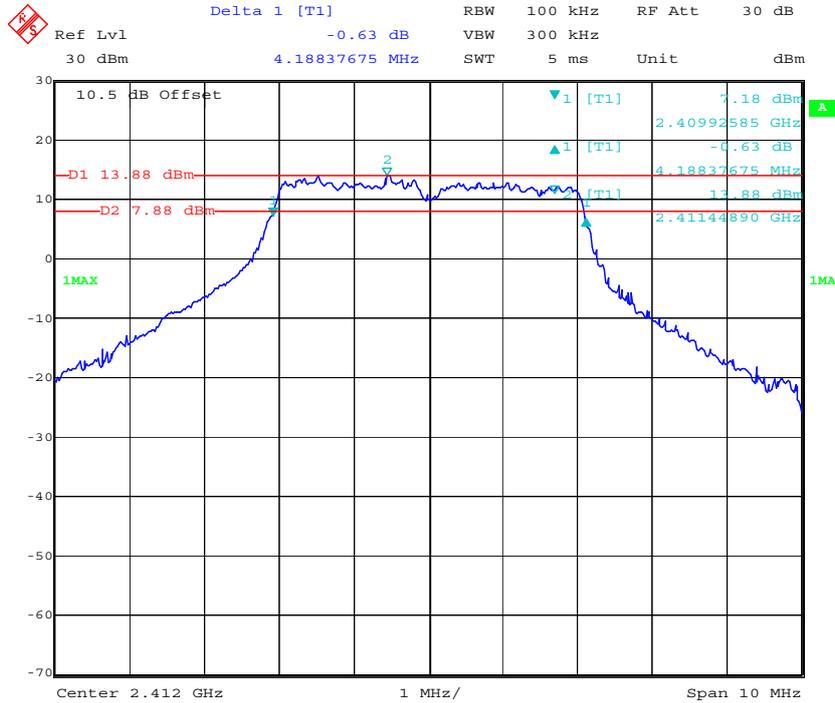
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802.11n ht20 High Channel

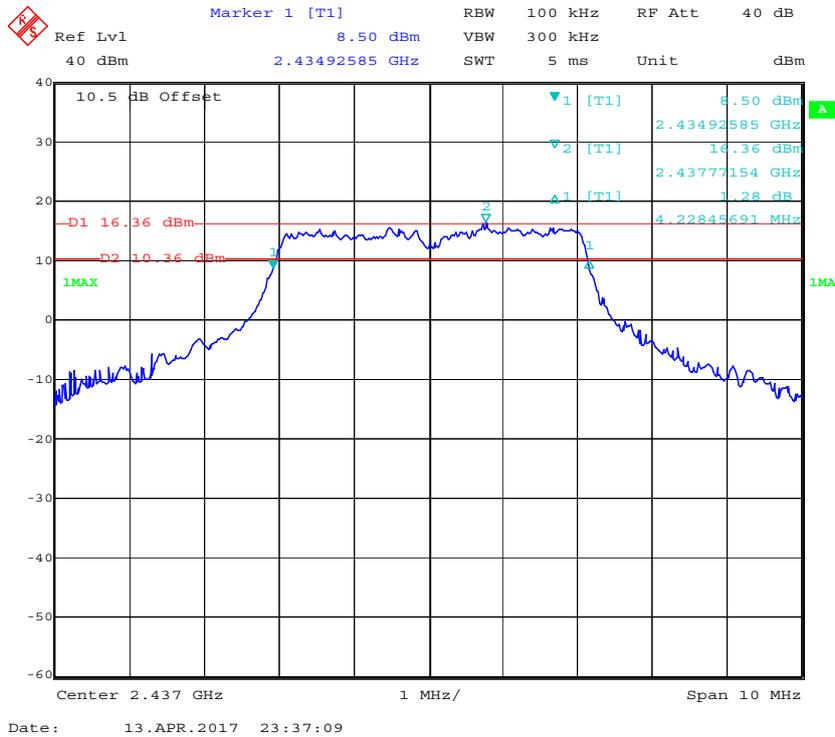


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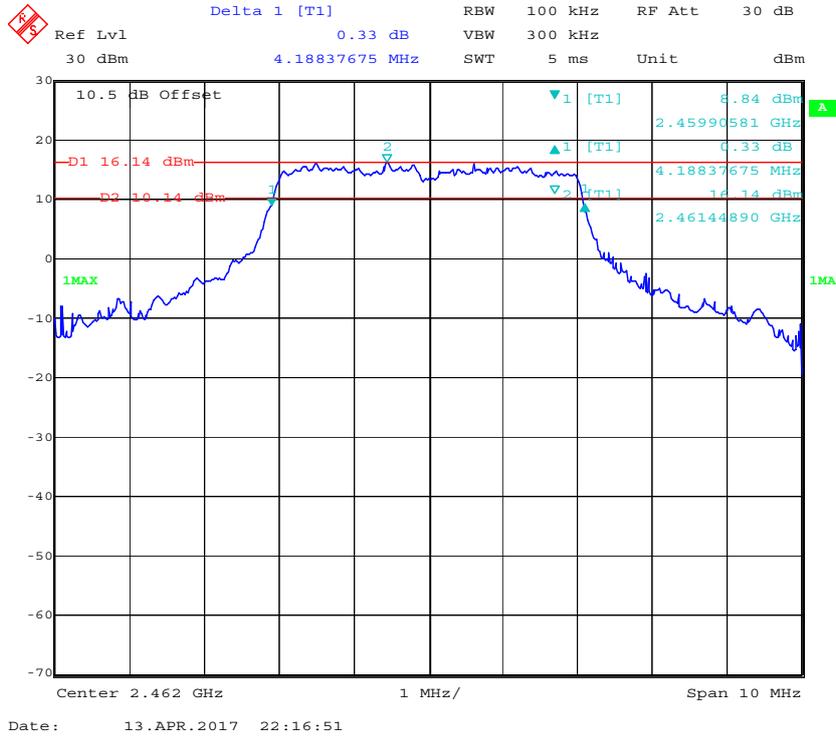
5M Low Channel



5M Middle Channel



5M High Channel



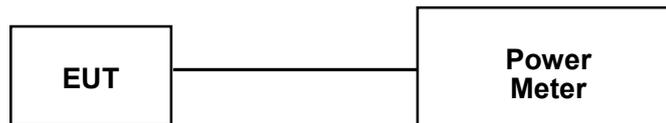
FCC §15.247(b) (3) - MAXIMUM CONDUCTED OUTPUT POWER

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.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	Wideband Power Sensor	N1921A	MY54170074	2017-01-03	2018-01-03
Agilent	P-Series Power Meter	N1912A	MY5000798	2017-01-03	2018-01-03
Unknown	RF Cable	Unknown	C-3	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:	18°C
Relative Humidity:	52 %
ATM Pressure:	96.2 kPa

* The testing was performed by Kevin Hu on 2017-04-10.

Test Mode: Transmitting

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

Wi-Fi:

Test mode	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Limit (dBm)
802.11b	Low	2412	5.72	≤30
	Middle	2437	5.6	≤30
	High	2462	5.83	≤30
802.11g	Low	2412	5.87	≤30
	Middle	2437	5.65	≤30
	High	2462	5.86	≤30
802.11n ht20	Low	2412	5.88	≤30
	Middle	2437	5.63	≤30
	High	2462	5.8	≤30

5MHz mode:

Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)		Total (dBm)	Limit (dBm)
		Antenna 1	Antenna 2		
Low	2412	20.56	20.8	23.69	≤30
Middle	2437	20.98	19.3	23.23	≤30
High	2462	21.6	19.42	23.66	≤30

Note: the 2 antenna maximum antenna gains are 5.51 dBi, and employed Cyclic Delay Diversity (CDD) for 5MHz mode transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements:

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

So:

Directional gain = GANT + Array Gain = 5.51 dBi < 6dBi

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. Set RBW to 100 kHz and VBW of spectrum analyzer to 100 kHz and 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
2. 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.
3. 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
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
Unknown	RF Cable	Unknown	C-3	Each Time	/
Unknown	RF Attenuator	10dB	10dB-1	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

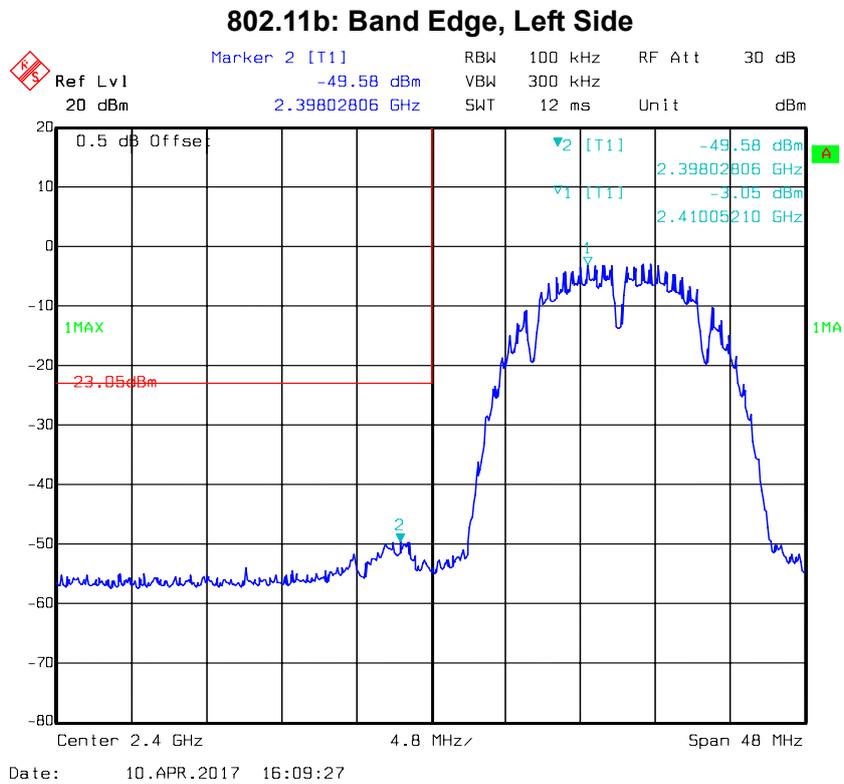
Temperature:	18~18.5 °C
Relative Humidity:	52~54 %
ATM Pressure:	96.2~96.5 kPa

* The testing was performed by Kevin Hu from 2017-04-10&2017-05-24.

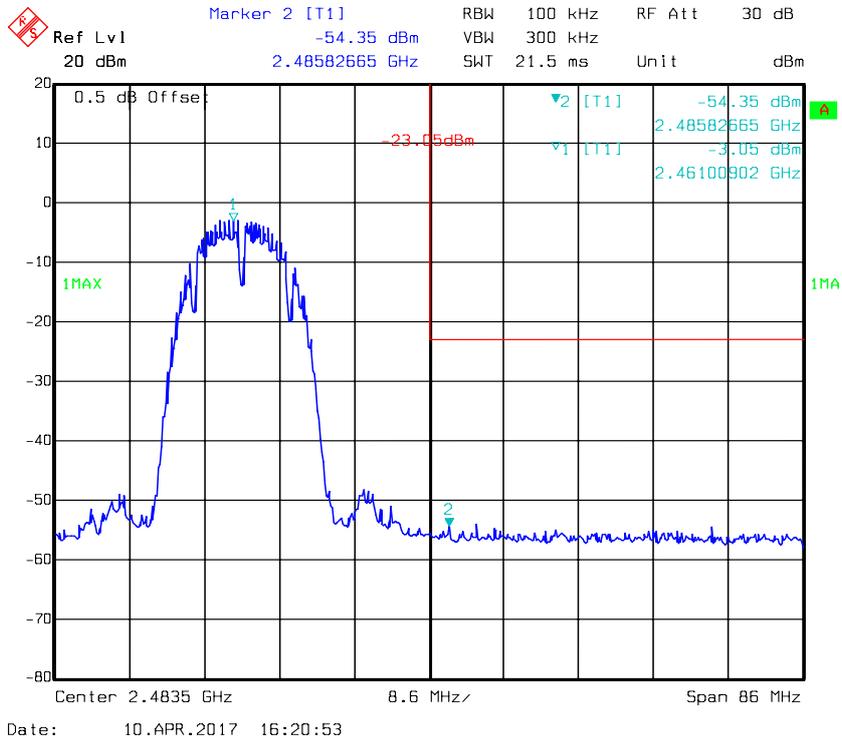
Test mode: Transmitting

Test Result: Compliant.

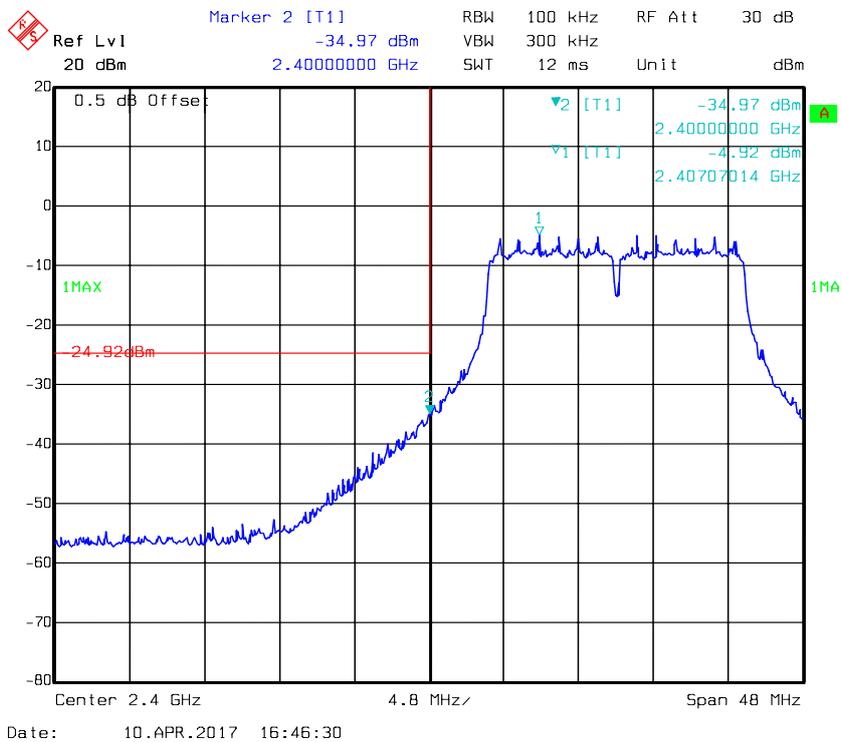
Out of band emissions are below 30dB than the desired power, please refer to the below plots.



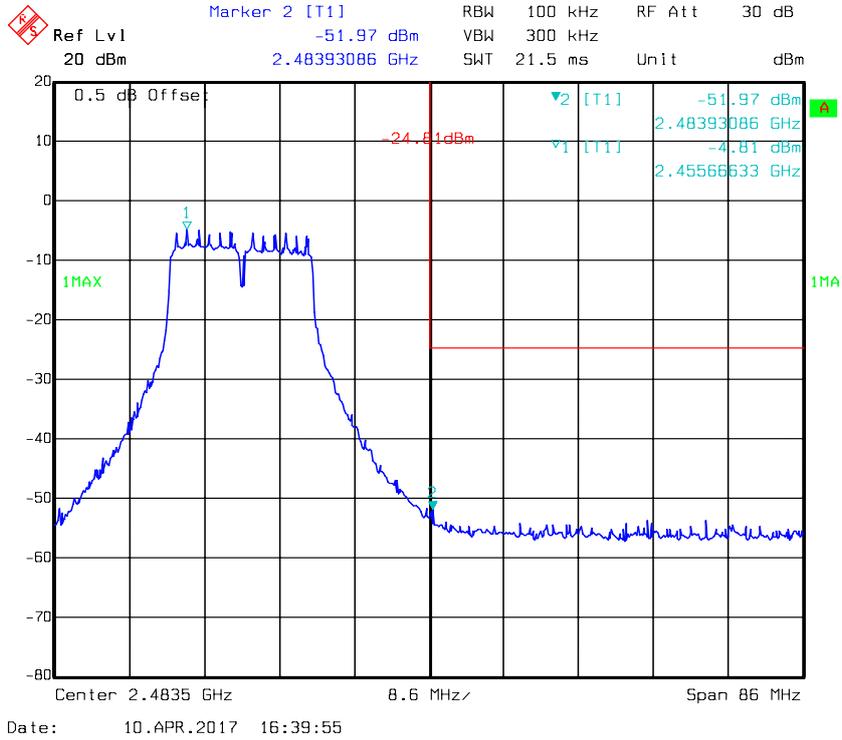
802.11b: Band Edge, Right Side



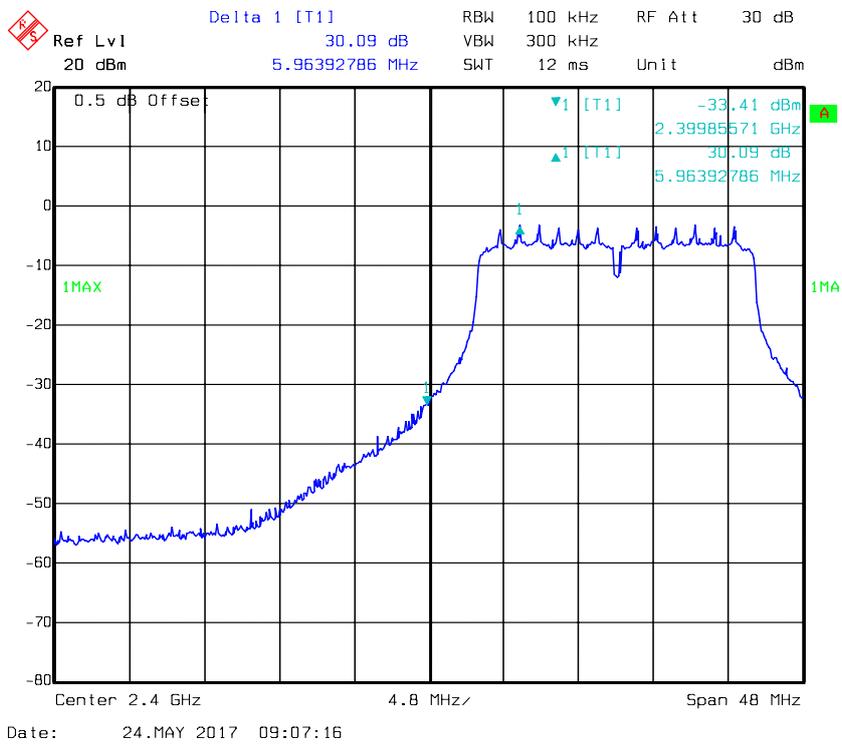
802.11g: Band Edge, Left Side



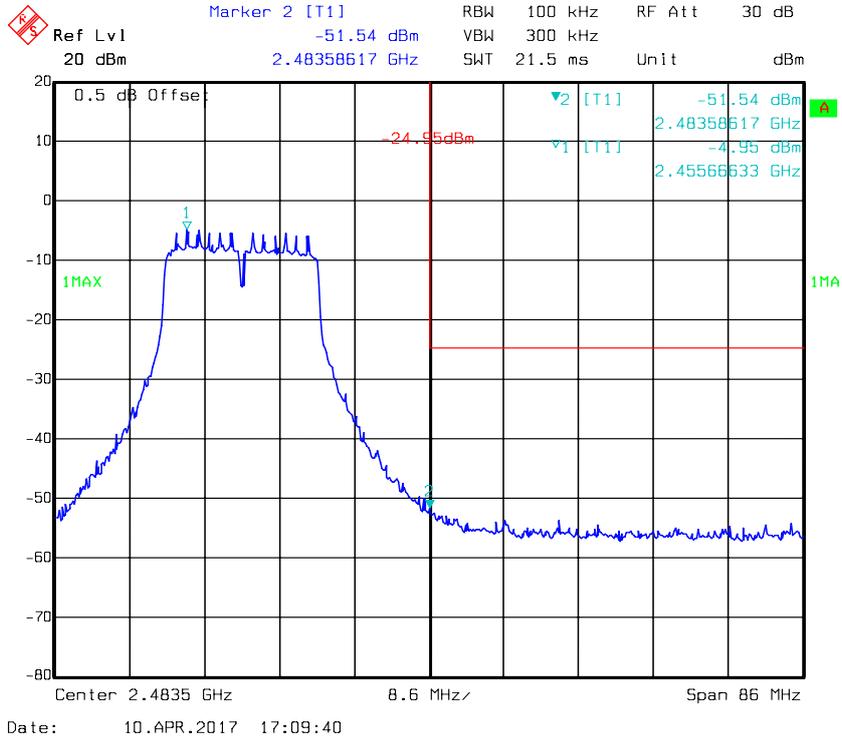
802.11g: Band Edge, Right Side



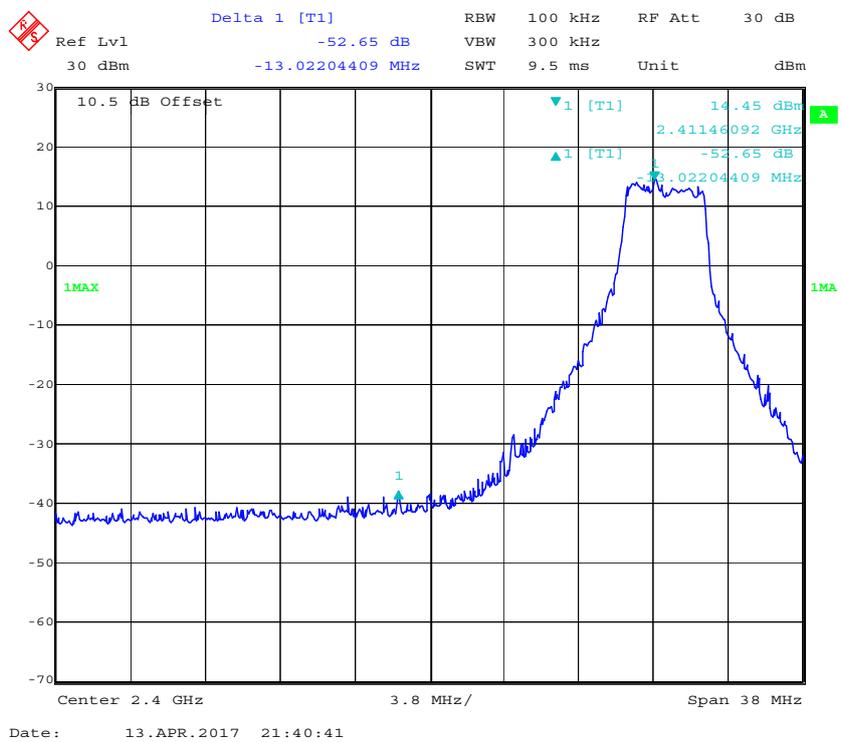
802.11n ht20 Band Edge, Left Side



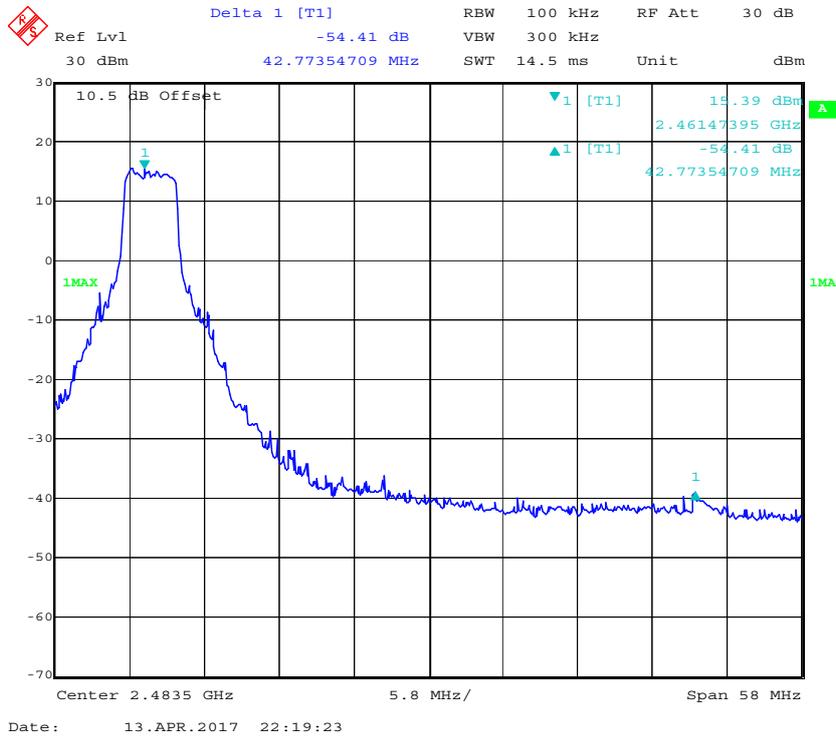
802.11n ht20 Band Edge, Right Side



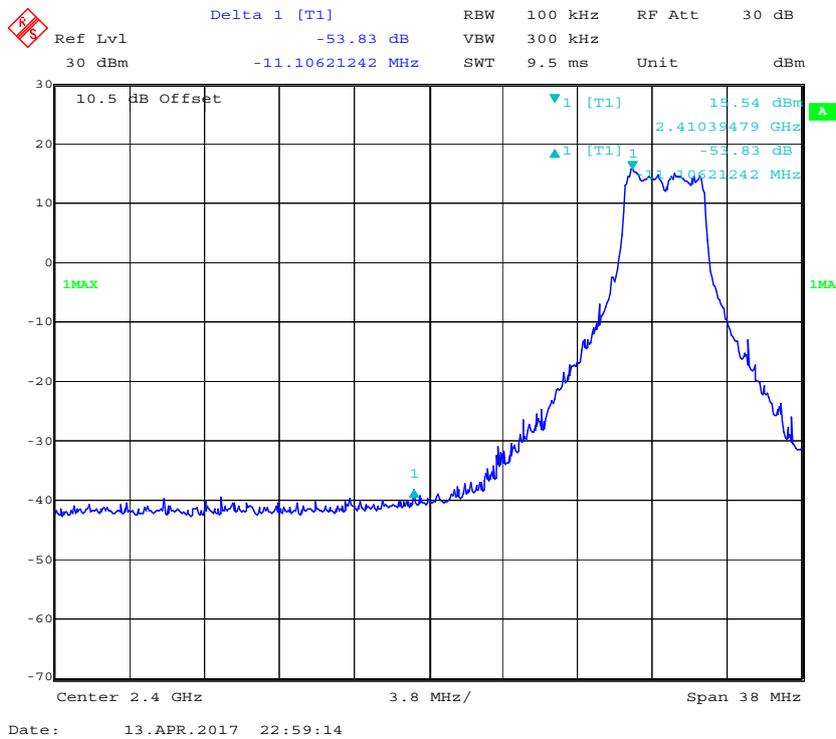
Antenna 1, 5M Band Edge, Left Side



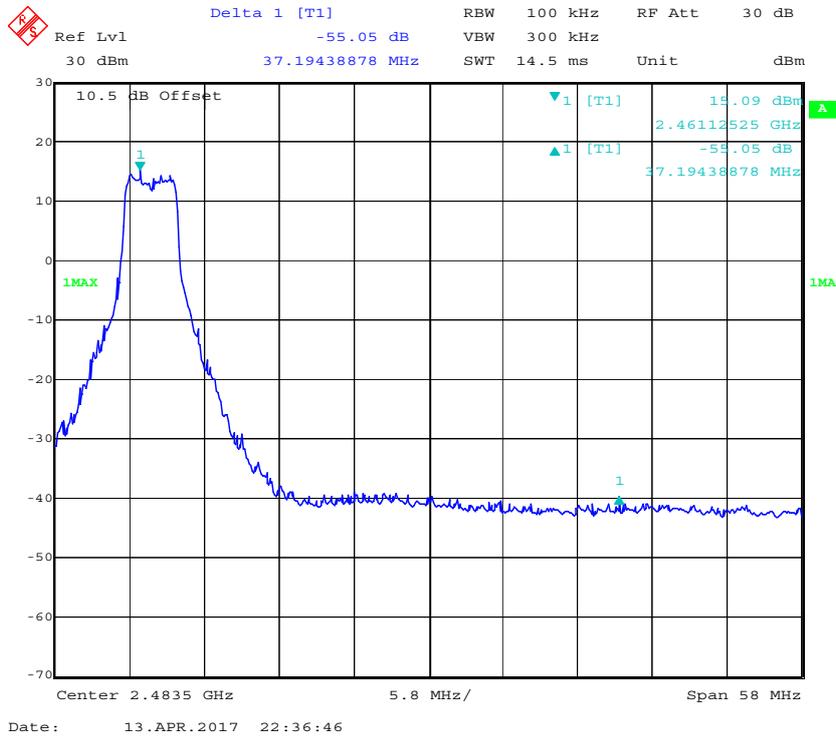
Antenna 1, 5M Band Edge, Right Side



Antenna 2,5M Band Edge, Left Side



Antenna 1, 5M Band Edge, Right Side



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
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
Unknown	RF Cable	Unknown	C-3	Each Time	/
Unknown	RF Attenuator	10dB	10dB-1	Each Time	/

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Test Data

Environmental Conditions

Temperature:	18~18.5 °C
Relative Humidity:	52~54 %
ATM Pressure:	96.2~96.5 kPa

* The testing was performed by Kevin Hu from 2017-04-10 to 2017-04-13.

Test Mode: Transmitting

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

Wi-Fi:

Test mode	Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
802.11b	Low	2412	-17.31	≤8
	Middle	2437	-17.74	≤8
	High	2462	-17.66	≤8
802.11g	Low	2412	-19.29	≤8
	Middle	2437	-18.36	≤8
	High	2462	-18.31	≤8
802.11n ht20	Low	2412	-18.49	≤8
	Middle	2437	-19.8	≤8
	High	2462	-18.73	≤8

5MHz mode:

Channel	Frequency (MHz)	PSD (dBm/3kHz)		Total (dBm/3kHz)	Limit (dBm/3kHz)
		Antenna 1	Antenna 2		
Low	2412	-7.23	-6.25	-3.7	≤5.49
Middle	2437	-5.63	-7.51	-3.46	≤5.49
High	2462	-5.83	-7.81	-3.7	≤5.49

Note: For 5MHz mode, the device employed Cyclic Delay Diversity (CDD) for MIMO transmitting, per C63.10-2013 clause 14.4.3.2.5 b, Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

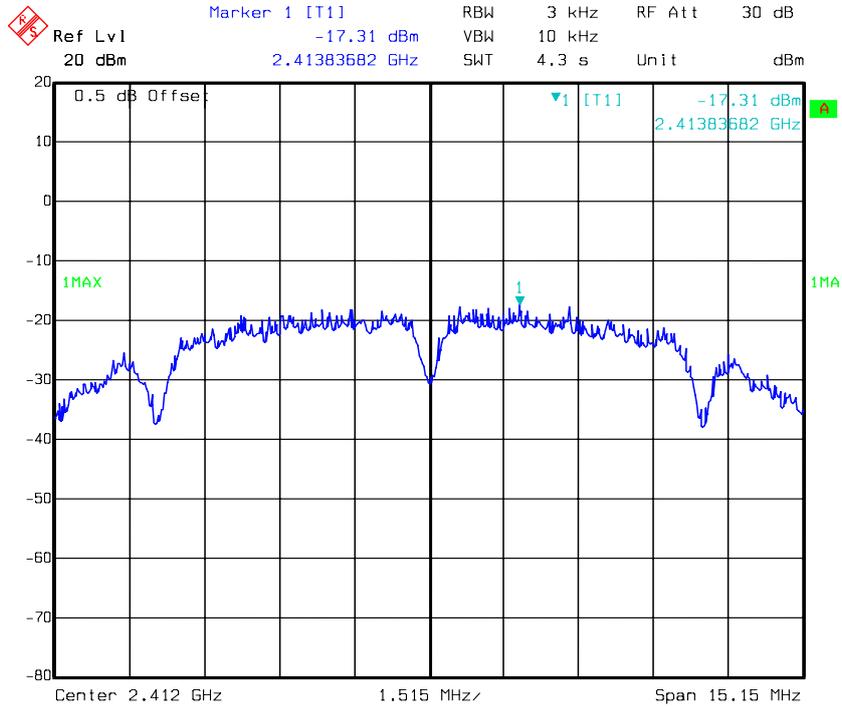
For power density measurements,

$$\text{Array Gain} = 10 \log(\text{NANT}/\text{NSS}) \text{ dB.}$$

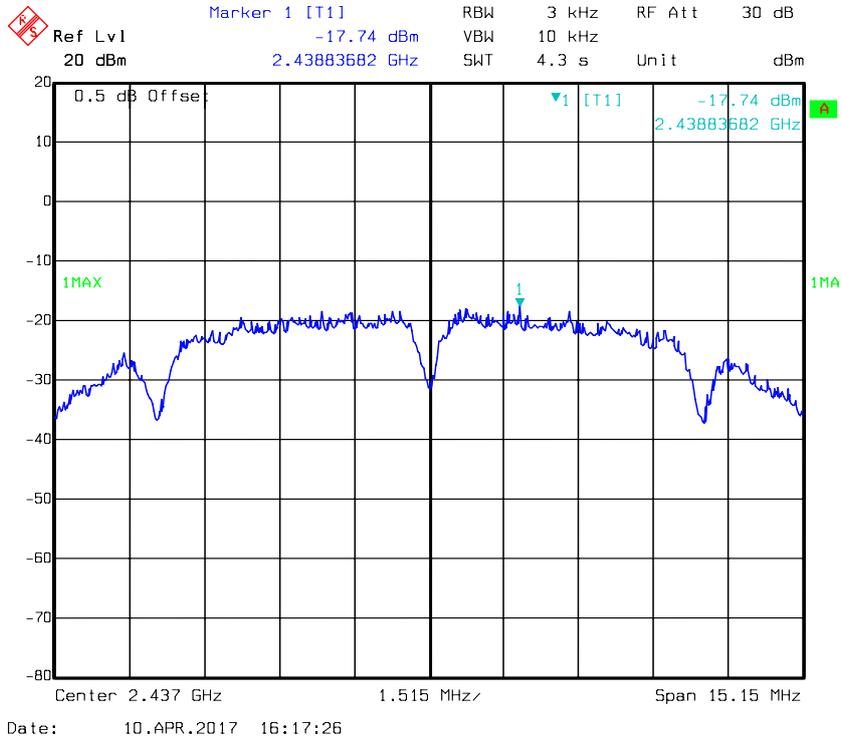
So:

$$\text{Directional gain} = G_{ANT} + \text{Array Gain} = 5.51 + 10 \cdot \log(2) = 8.51 \text{ dBi}$$

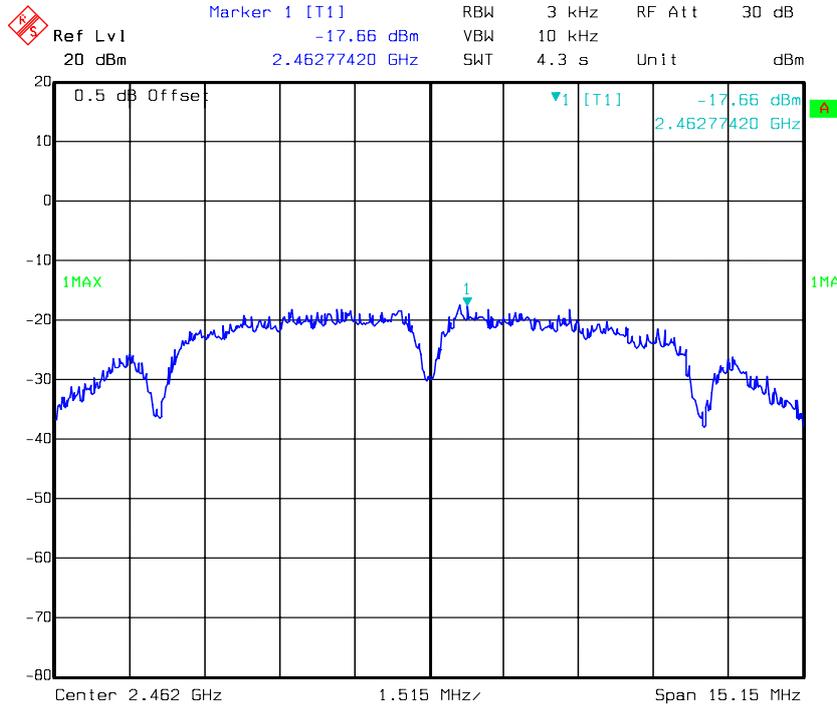
Power Spectral Density, 802.11b, Low Channel



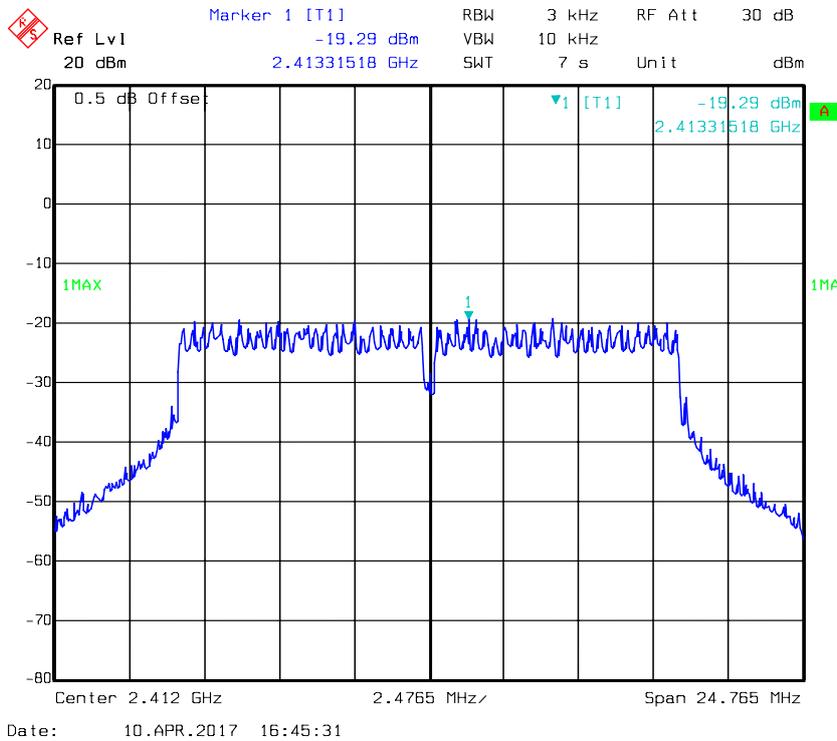
Power Spectral Density, 802.11b, Middle Channel



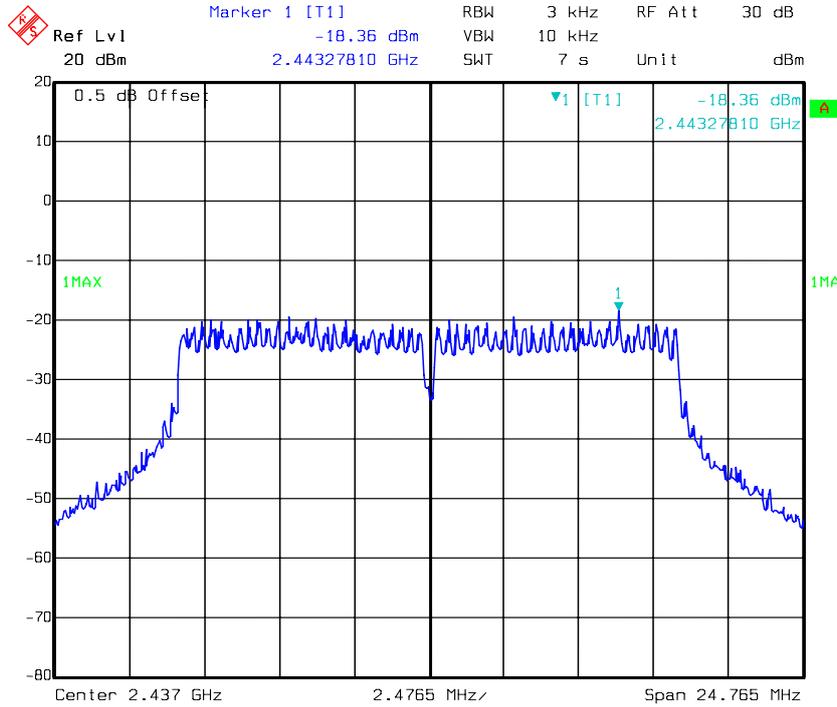
Power Spectral Density, 802.11b, High Channel



Power Spectral Density, 802.11g, Low Channel

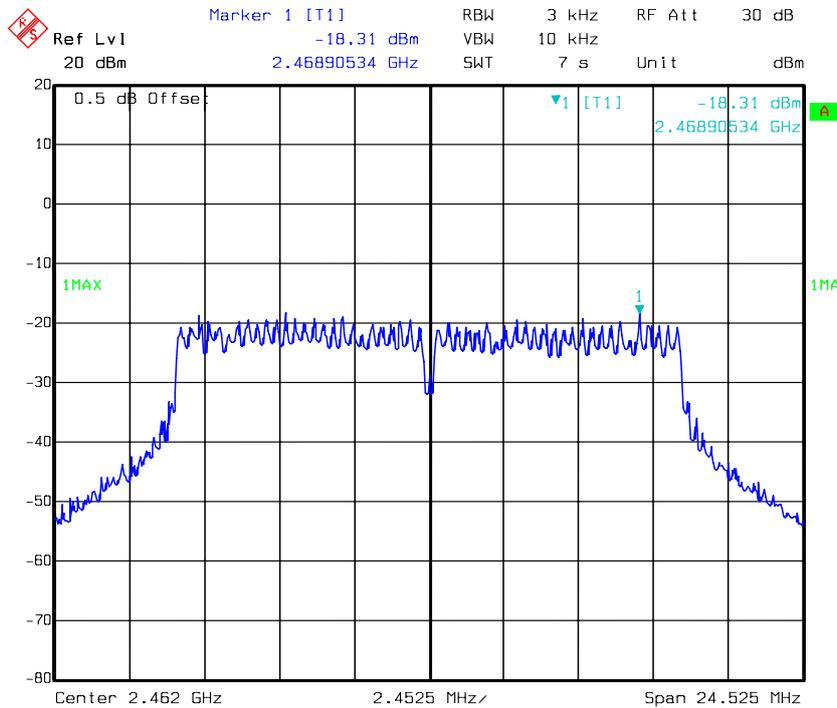


Power Spectral Density, 802.11g, Middle Channel



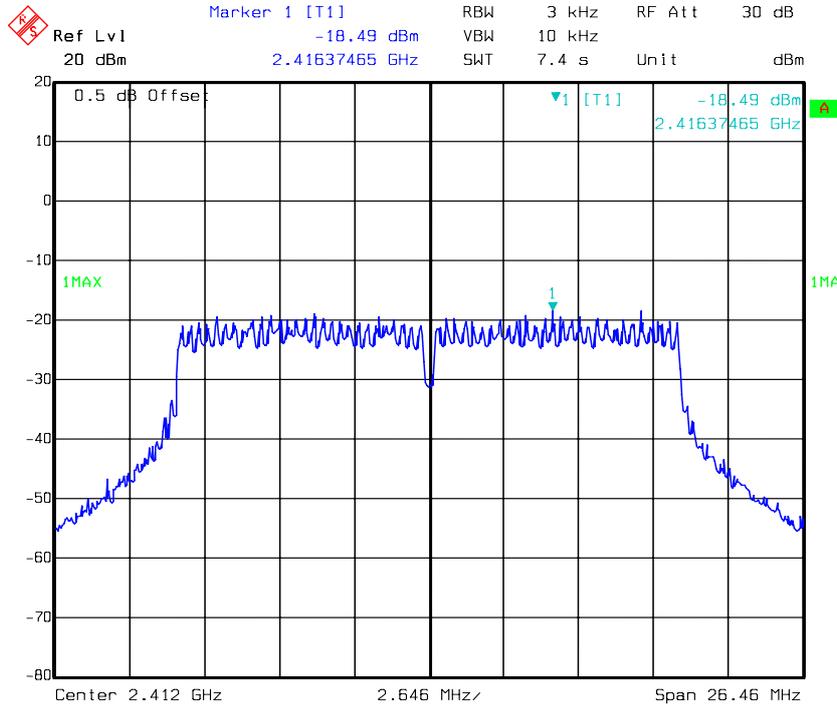
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Power Spectral Density, 802.11g, High Channel

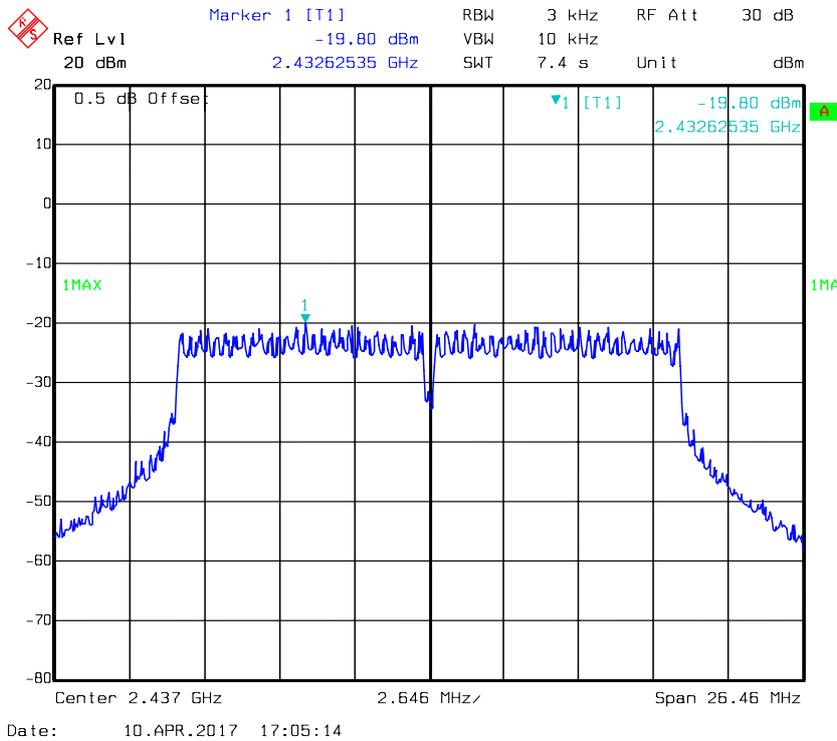


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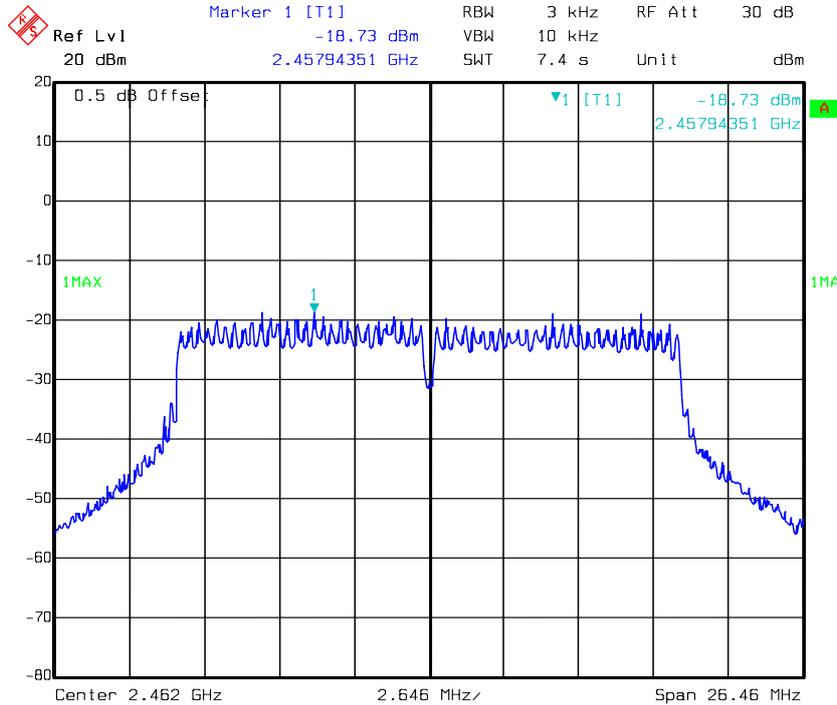
Power Spectral Density, 802.11n ht20, Low Channel



Power Spectral Density, 802.11n ht20, Middle Channel

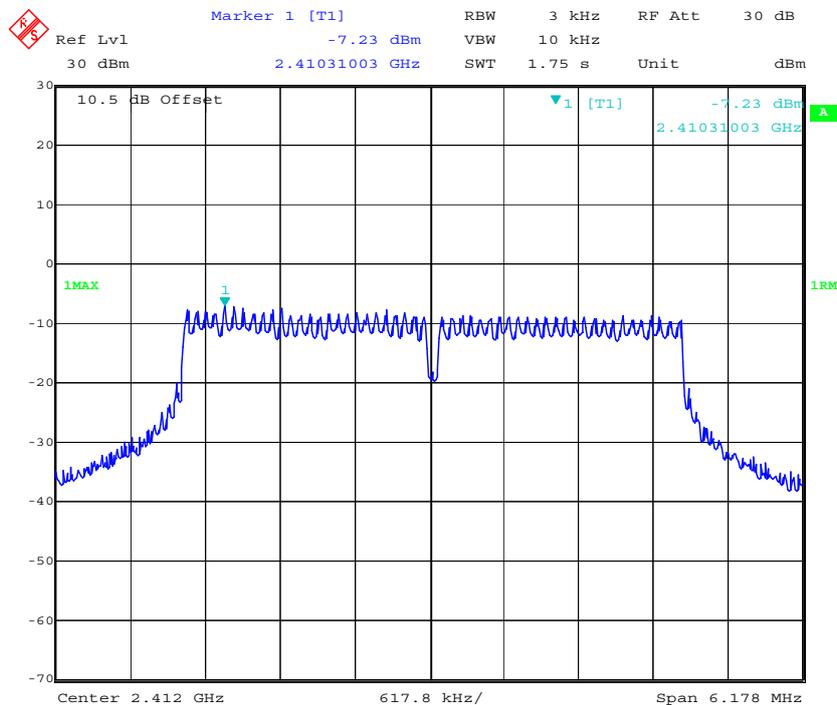


Power Spectral Density, 802.11n ht20, High Channel



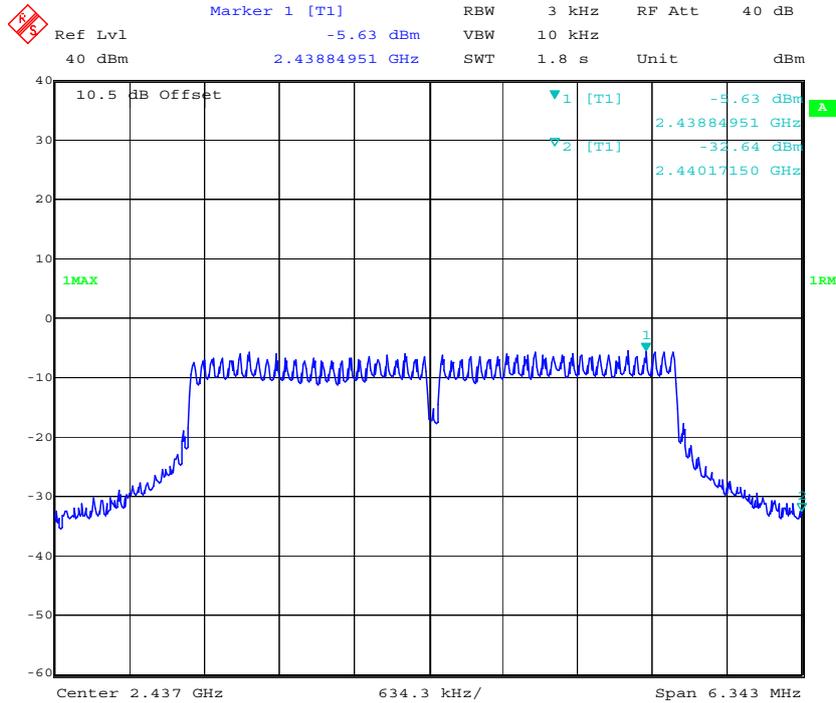
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Antenna 1, Power Spectral Density, 5M, Low Channel

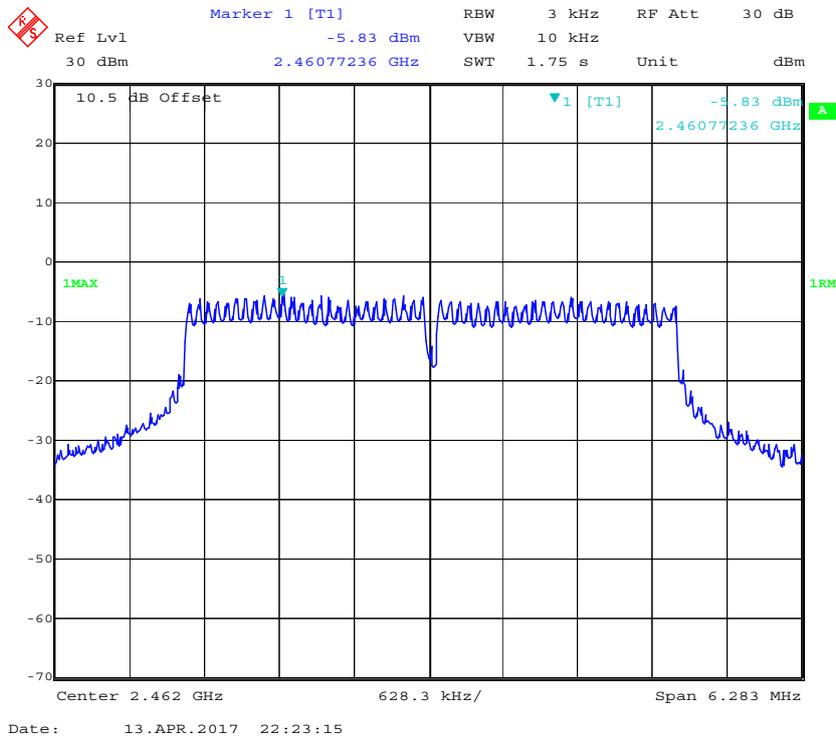


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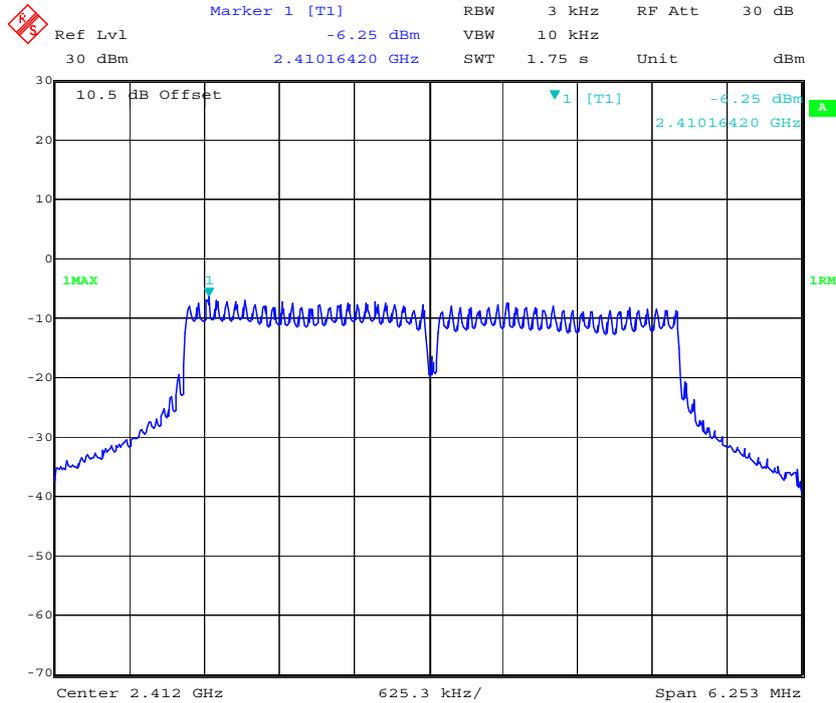
Antenna 1, Power Spectral Density, 5M, Middle Channel



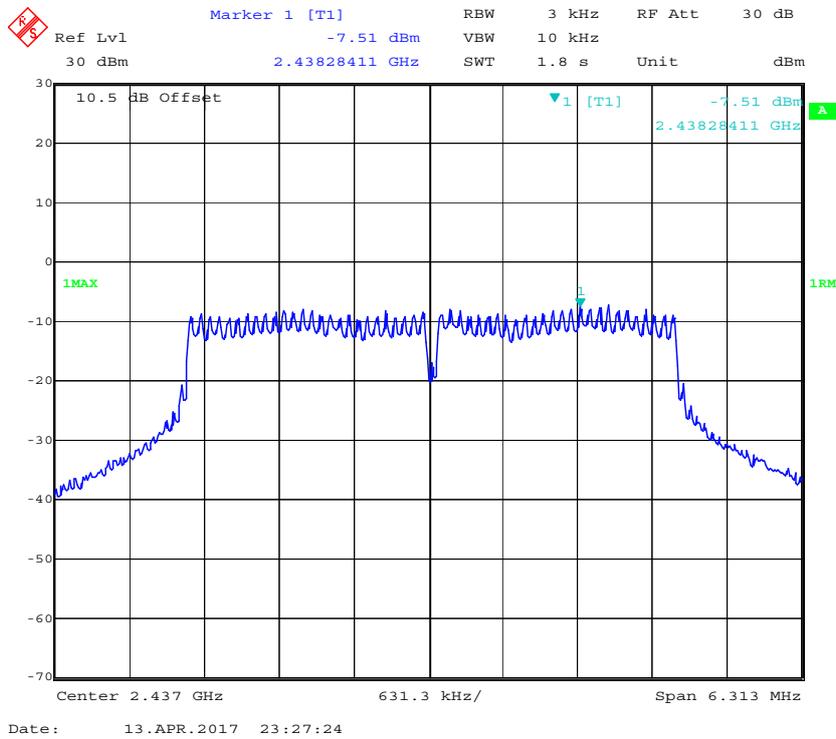
Antenna 1, Power Spectral Density, 5M, High Channel



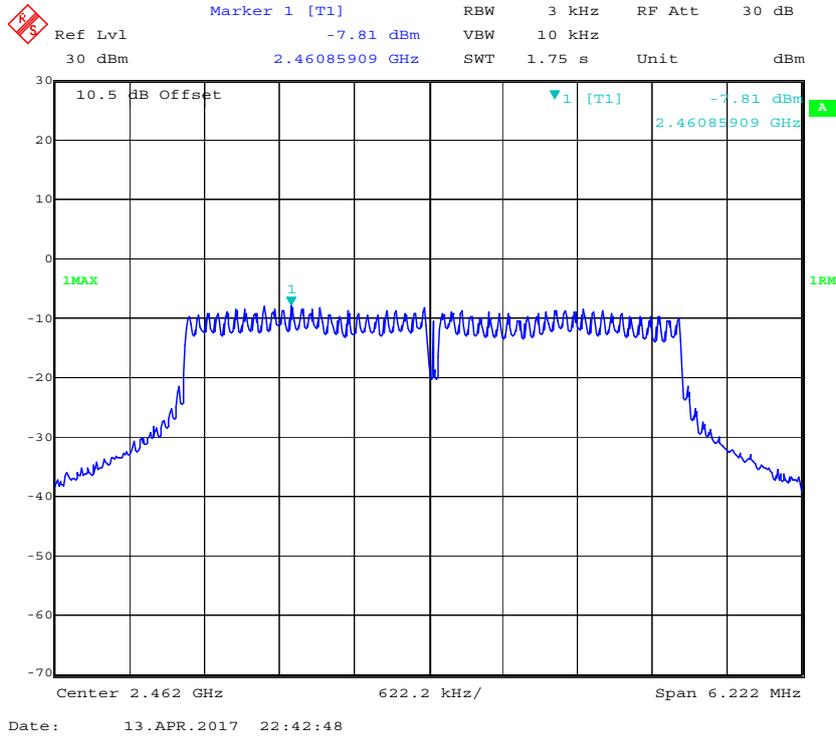
Antenna 2, Power Spectral Density, 5M, Low Channel



Antenna 2, Power Spectral Density, 5M, Middle Channel



Antenna 2, Power Spectral Density, 5M, High Channel



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