TESTING LABORATORY
CERTIFICATE #4820.01

FCC PART 15.247

TEST REPORT

For

MOVILTELCO TRADE, S.L.

Street: ABTAO,25-1Floor A-office MADRID-SPAIN MADRID, Spain

FCC ID: 2ACQKTELCO019

Report Type:	**Product Type:**
Original Report	Mobile Phone

Report Number:	RDG181210009-00B
Report Date:	2018-12-25
Reviewed By:	Jerry Zhang EMC Manager
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Type:		Mobile Phone
EUT Name:		L506
EUT Model:		L506 Single SIM
Multiple Model:		L506 Dual SIM
Rated Input Voltage:		DC3.7V from Battery or DC5V from adapter
Adapter #1 Information	**Model Name:**	HJ-0500500B2-AR
	Input:	AC 100-240V, 50/60Hz 0.15A
	Output:	DC5V, 500mA
Adapter #2 Information	**Model Name:**	L506
	Input:	AC100-240V, 50/60Hz, 150mA
	Output:	DC 5V, 500mA
External Dimension:		145mm(L)* 75mm(W)* 12 mm(H)
Serial Number:		181210009
EUT Received Date:		2018.12.13

Note: The series product, models L506 Single SIM, L506 Dual SIM are electrically identical, The difference between them please refer to the declaration letter for details. For marketing purpose, we selected L506 Single SIM for fully test.

Objective

This report is prepared on behalf of ***MOVILTELCO TRADE, S.L.*** 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 22H, 24E, Part 27 PCE submissions with FCC ID: 2ACQKTELCO019.
FCC Part 15C DSS submissions with FCC ID: 2ACQKTELCO019.
FCC Part 15B JBP submissions with FCC ID: 2ACQKTELCO019.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And 558074 D01 15.247 Meas Guidance v05.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Dongguan).

Measurement Uncertainty

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	30M~200MHz: 4.55 dB,200M~1GHz: 5.92 dB,1G~6GHz: 4.98 dB, 6G~18GHz: 5.89 dB,18G~26.5G:5.47 dB,26.5G~40G:5.63 dB
Unwanted Emissions, conducted	±1.5 dB
Temperature	±1℃
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	3.12 dB (150 kHz to 30 MHz)

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218, the FCC Designation No. : CN1220.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in Engineering Mode, which was provided by the manufacturer.

For 2.4GHz band, total 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	/	/

For 802.11b, 802.11g, and 802.11n ht20 modes were test with channel 1,6,11.

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.

EUT Exercise Software

The software "Engineering Mode" was used for testing, which was provided by manufacturer. The maximum power was configured as below table, that provided by the manufacturer:

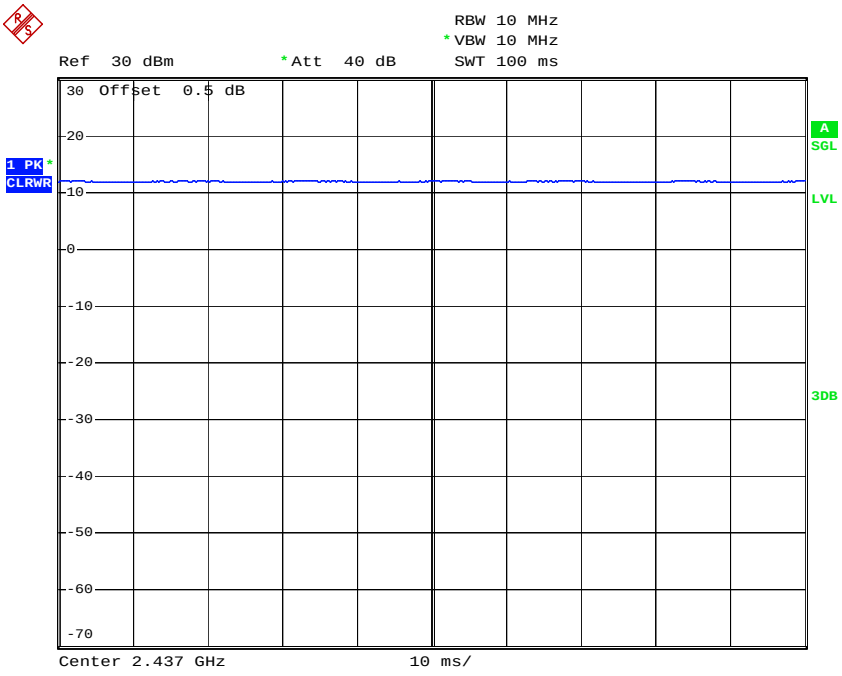
Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power level
802.11b	Low	2412	1	24
	Middle	2437	1	24
	High	2462	1	24
802.11g	Low	2412	6	24
	Middle	2437	6	24
	High	2462	6	24
802.11n ht20	Low	2412	6.5	24
	Middle	2437	6.5	24
	High	2462	6.5	24

Bluetooth LE mode was configured by the system default setting

The maximum duty cycle as following table:

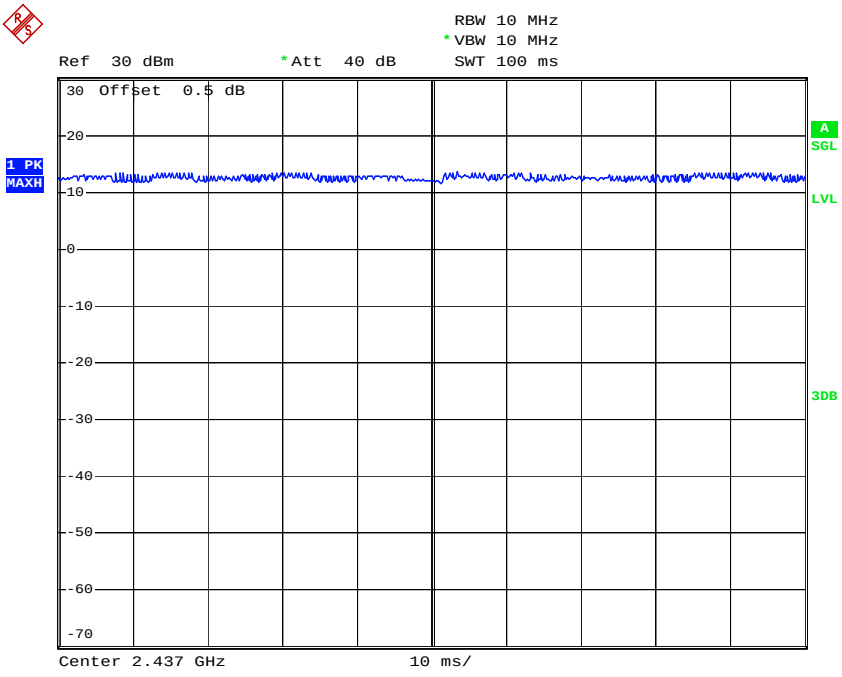
Test mode	T_{on} (ms)	T_{on+off} (ms)	Duty Cycle (%)
802.11b	100	100	100
802.11g	100	100	100
802.11n ht20	100	100	100
BLE	0.120	0.625	19.2

802.11b



Date: 18.DEC.2018 14:12:36

802.11g



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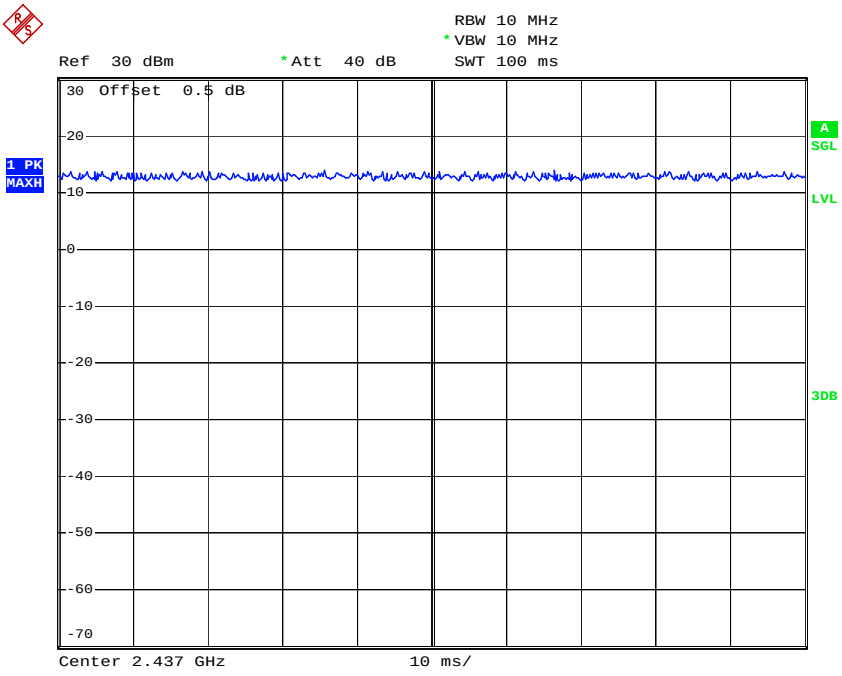
802.11n ht20



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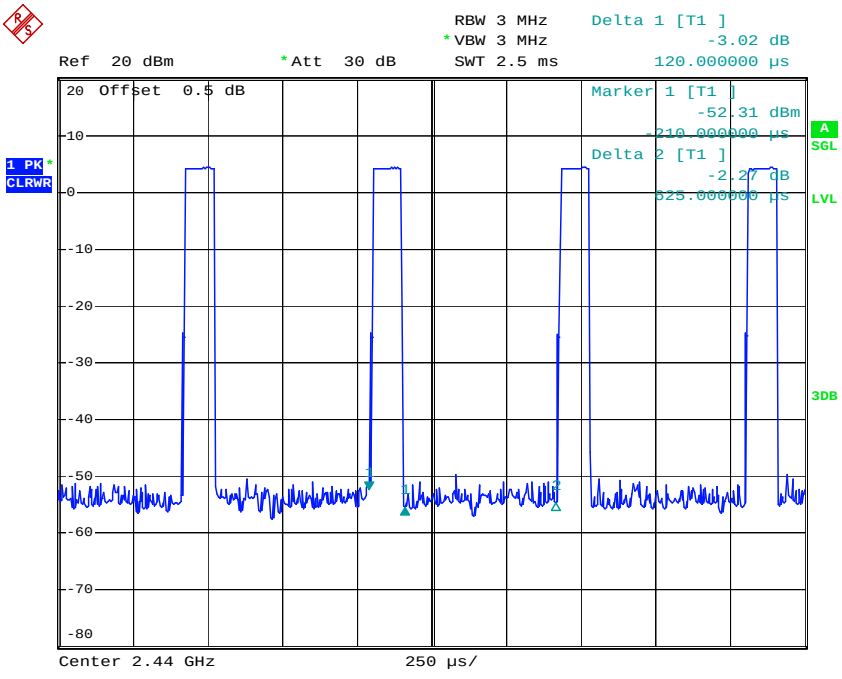
BLE



Date: 18.DEC.2018 10:00:03

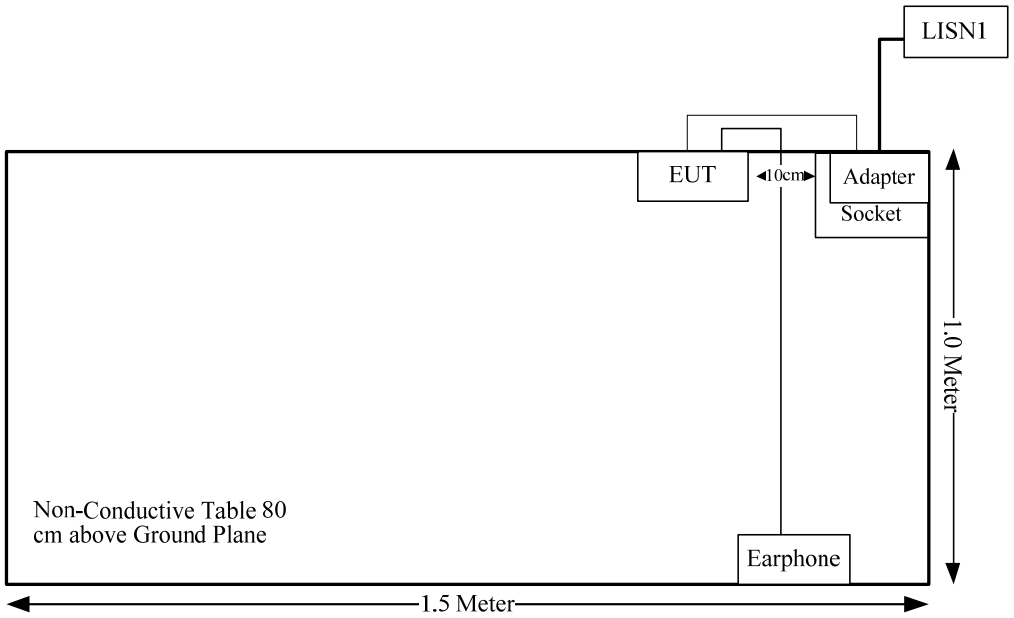
Equipment Modifications

No modification was made to the EUT.

Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From	To
USB Cable	Yes	No	1	Adapter	EUT
Earphone Cable	Yes	No	1.2	EUT	Earphone

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§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 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:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(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 BLE:

The max conducted power including tune-up tolerance is 5.0 dBm (3.16 mW).
[(max. power of channel, mW)/(min. test separation distance, mm)][√f(GHz)]
=3.16/5*(√2.480) = 1.0< 3.0

So the stand-alone SAR evaluation is not necessary.

For WiFi:

Please refer to the SAR report: RDG181210009-20.

Result: Compliance.

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.
c. 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 BT and WIFI, and the antenna gain is 0 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

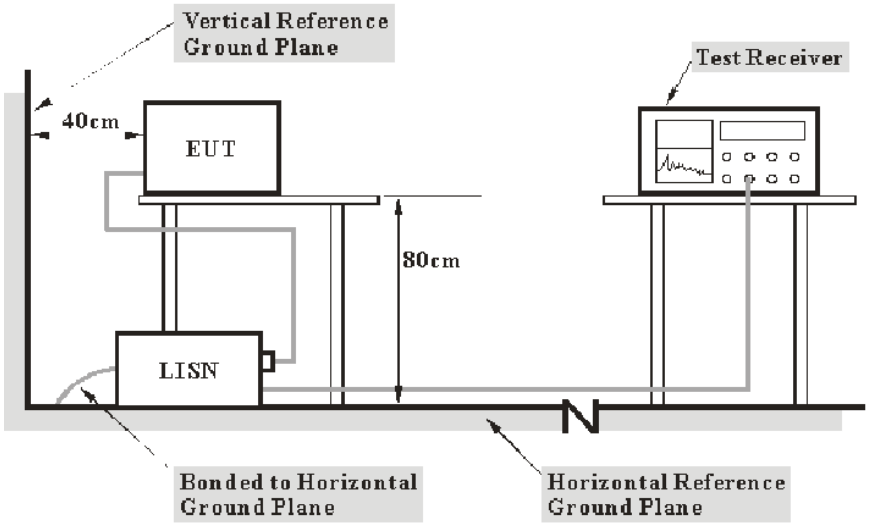
Result: Compliance.

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.

The spacing between the peripherals was 10 cm.

The adapter was connected to the main lisn with 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 limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCS 30	830245/006	2018-12-10	2019-12-10
Unknown	Coaxial Cable	C-NJNJ-50	C-0200-01	2018-09-05	2019-09-05
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A
R&S	Two-line V-network	ENV 216	101614	2018-12-10	2019-12-10

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

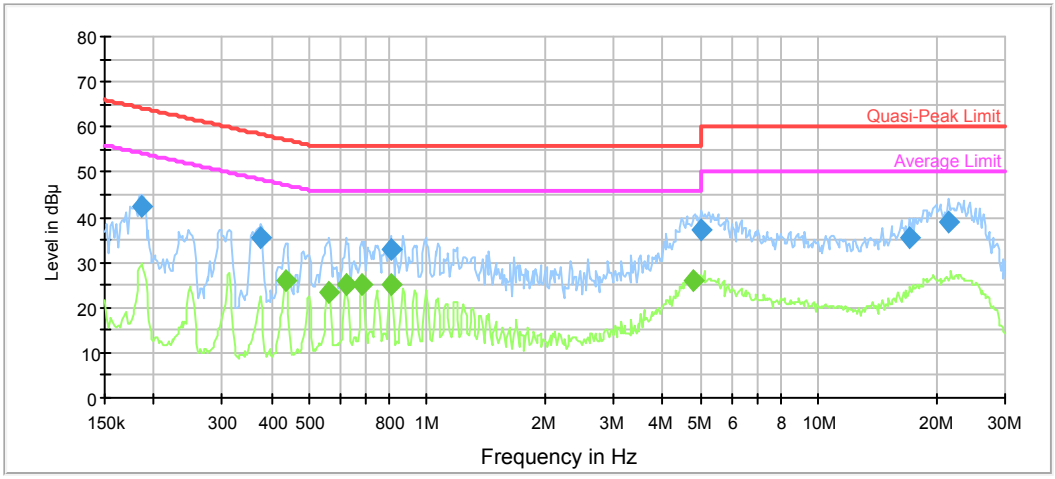
Temperature:	23.2°C
Relative Humidity:	35 %
ATM Pressure:	99.9 kPa

The testing was performed by Lily Xie on 2018-12-14.

Test Mode: Transmitting (Wi-Fi mode 802.11b high channel was the worst)

Adapter #1

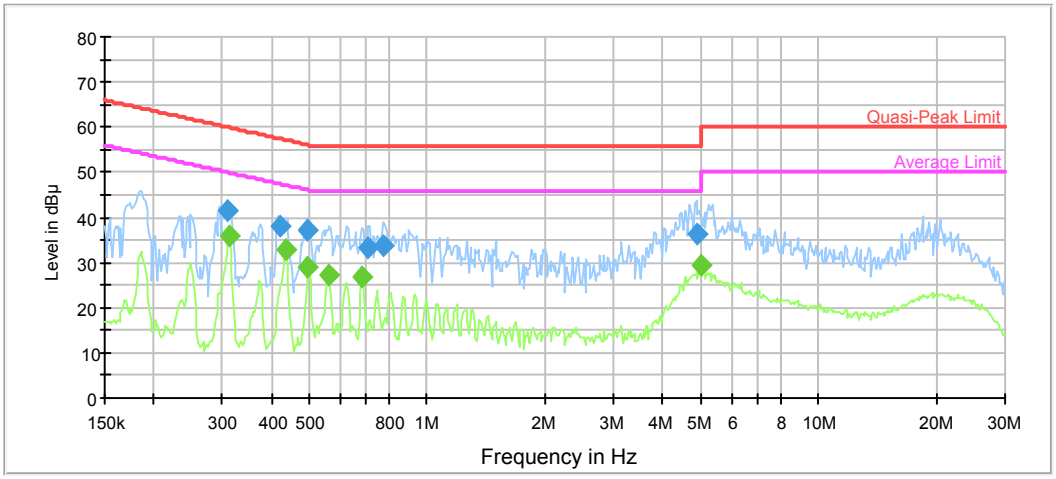
AC120 V, 60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.187494	42.4	9.000	L1	10.7	21.7	64.1	Compliance
0.375019	35.6	9.000	L1	10.0	22.8	58.4	Compliance
0.805868	32.8	9.000	L1	9.8	23.2	56.0	Compliance
4.997188	37.1	9.000	L1	9.8	18.9	56.0	Compliance
17.183363	35.6	9.000	L1	10.0	24.4	60.0	Compliance
21.478456	39.1	9.000	L1	10.1	20.9	60.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.436318	26.0	9.000	L1	9.9	21.1	47.1	Compliance
0.558572	23.3	9.000	L1	9.8	22.7	46.0	Compliance
0.619536	25.0	9.000	L1	9.8	21.0	46.0	Compliance
0.681699	24.9	9.000	L1	9.8	21.1	46.0	Compliance
0.805868	25.3	9.000	L1	9.8	20.7	46.0	Compliance
4.802010	25.9	9.000	L1	9.8	20.1	46.0	Compliance

AC120 V, 60 Hz, Neutral:

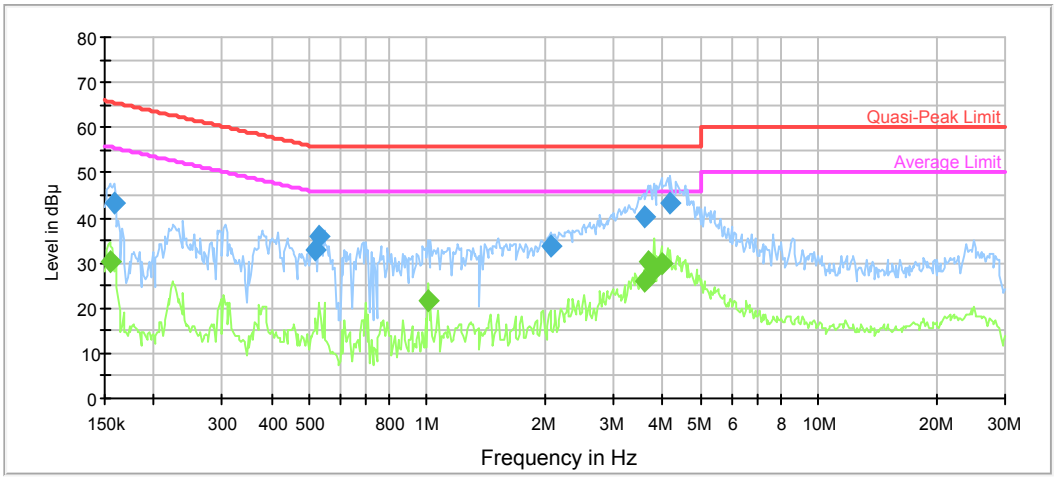


Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.309742	41.5	9.000	N	10.1	18.5	60.0	Compliance
0.419276	38.0	9.000	N	9.9	19.5	57.5	Compliance
0.495646	37.2	9.000	N	9.9	18.9	56.1	Compliance
0.709407	33.3	9.000	N	9.8	22.7	56.0	Compliance
0.774393	33.6	9.000	N	9.8	22.4	56.0	Compliance
4.879149	36.2	9.000	N	9.8	19.8	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.312220	35.9	9.000	N	10.1	14.0	49.9	Compliance
0.436318	33.0	9.000	N	9.9	14.1	47.1	Compliance
0.495646	29.0	9.000	N	9.9	17.1	46.1	Compliance
0.558572	27.4	9.000	N	9.8	18.6	46.0	Compliance
0.681699	26.8	9.000	N	9.8	19.2	46.0	Compliance
4.997188	29.3	9.000	N	9.8	16.7	46.0	Compliance

Adapter #2

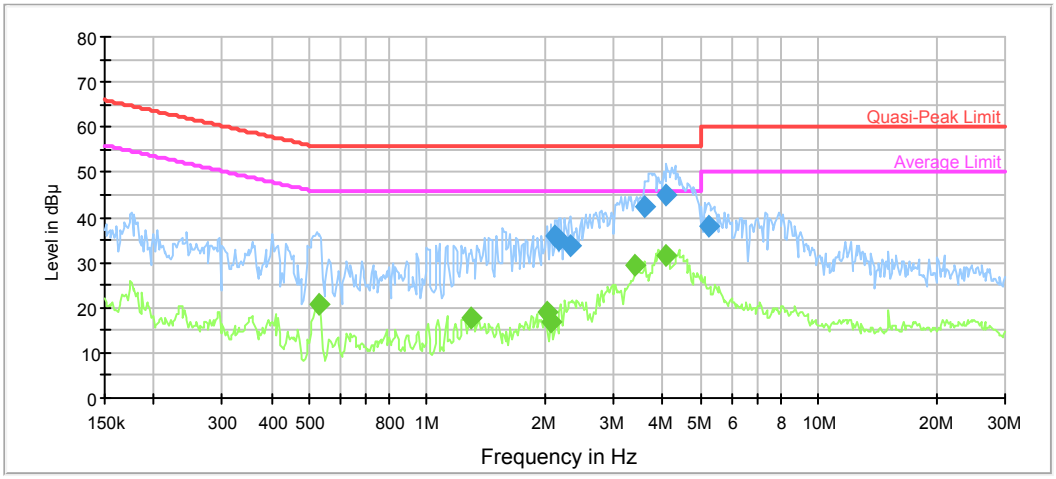
AC120 V, 60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.158604	43.2	9.000	L1	11.1	22.3	65.5	Compliance
0.519918	33.0	9.000	L1	9.9	23.0	56.0	Compliance
0.532496	35.7	9.000	L1	9.9	20.3	56.0	Compliance
2.063510	33.9	9.000	L1	9.7	22.1	56.0	Compliance
3.575883	40.2	9.000	L1	9.8	15.8	56.0	Compliance
4.193667	43.0	9.000	L1	9.8	13.0	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.154858	30.4	9.000	L1	11.1	25.3	55.7	Compliance
1.007300	21.5	9.000	L1	9.8	24.5	46.0	Compliance
3.575883	25.8	9.000	L1	9.8	20.2	46.0	Compliance
3.662393	30.2	9.000	L1	9.8	15.8	46.0	Compliance
3.811251	28.4	9.000	L1	9.8	17.6	46.0	Compliance
3.966160	29.8	9.000	L1	9.8	16.2	46.0	Compliance

AC120 V, 60 Hz, Neutral:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
2.130339	35.8	9.000	N	9.8	20.2	56.0	Compliance
2.181877	35.2	9.000	N	9.8	20.8	56.0	Compliance
2.325491	33.8	9.000	N	9.8	22.2	56.0	Compliance
3.575883	42.3	9.000	N	9.8	13.7	56.0	Compliance
4.094608	45.1	9.000	N	9.8	10.9	56.0	Compliance
5.241902	38.1	9.000	N	9.8	21.9	60.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.532496	20.7	9.000	N	9.9	25.3	46.0	Compliance
1.299858	17.7	9.000	N	9.8	28.3	46.0	Compliance
2.014768	18.9	9.000	N	9.8	27.1	46.0	Compliance
2.080018	16.8	9.000	N	9.8	29.2	46.0	Compliance
3.408946	29.2	9.000	N	9.8	16.8	46.0	Compliance
4.062112	31.4	9.000	N	9.8	14.6	46.0	Compliance

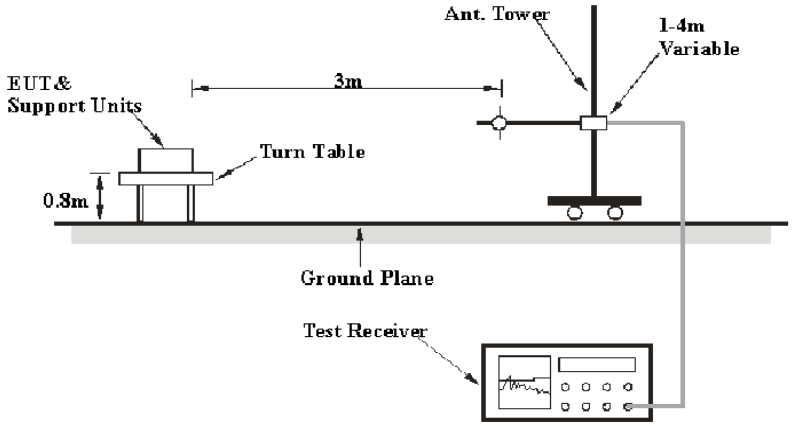
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

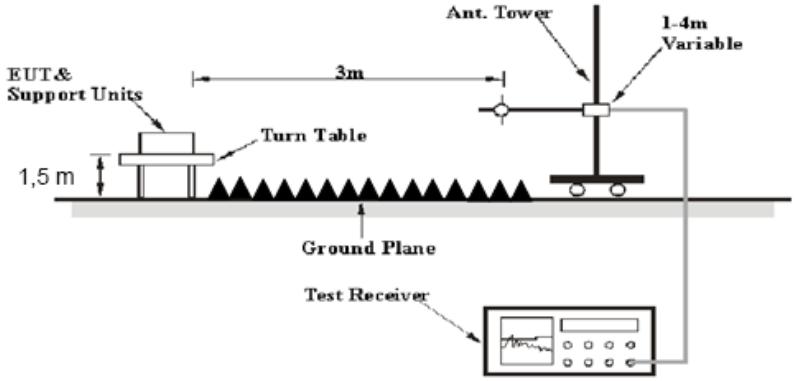
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission Below 1GHz tests were performed in the 3 meters chamber test site A, above 1GHz tests were performed in the 3 meters chamber test site A, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 limits.

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:

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

1GHz- 25GHz:

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
AV	>98%	1MHz	10 Hz
	<98%	1MHz	1/T

Note: T is minimum transmission duration, eg. For this EUT BLE test: T=0.120ms 1/T=8.333k,
Set VBW=9kHz for harmonics test

If the maximized peak measured value complies with the QP/Average limit, then it is unnecessary to perform an QP/Average measurement.

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 Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

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

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

Margin = Limit – Corrected Amplitude

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2018-12-10	2019-12-10
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A
Sunol Sciences	Antenna	JB3	A060611-1	2017-11-10	2020-11-10
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2018-09-05	2019-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2018-09-05	2019-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2018-05-06	2019-05-06
HP	Amplifier	8447D	2727A05902	2018-09-05	2019-09-05
R&S	Spectrum Analyzer	FSP 38	100478	2018-12-10	2019-12-10
TDK RF	Horn Antenna	HRN-0118	130 084	2016-01-05	2019-01-04
Ducommun Technolagies	Horn Antenna	ARH-4223-02	1007726-01 1304	2016-11-18	2019-11-18
MICRO-COAX	Coaxial Cable	UFA147-1-2362-100100	64639 231029-001	2018-02-24	2019-02-28
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2018-09-05	2019-09-05
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2018-06-27	2019-06-27
E-Microwave	Band-stop Filters	OBSF-2400-2483.5-S	OE01601525	2018-06-16	2019-06-16
Micro-tronics	High Pass Filter	HPM50111	S/N-G217	2018-06-16	2019-06-16

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	21.3~21.5 °C
Relative Humidity:	30~35 %
ATM Pressure:	99.9 kPa

** The testing was performed by Vern Shen & Neil Liao on 2018-12-14.*

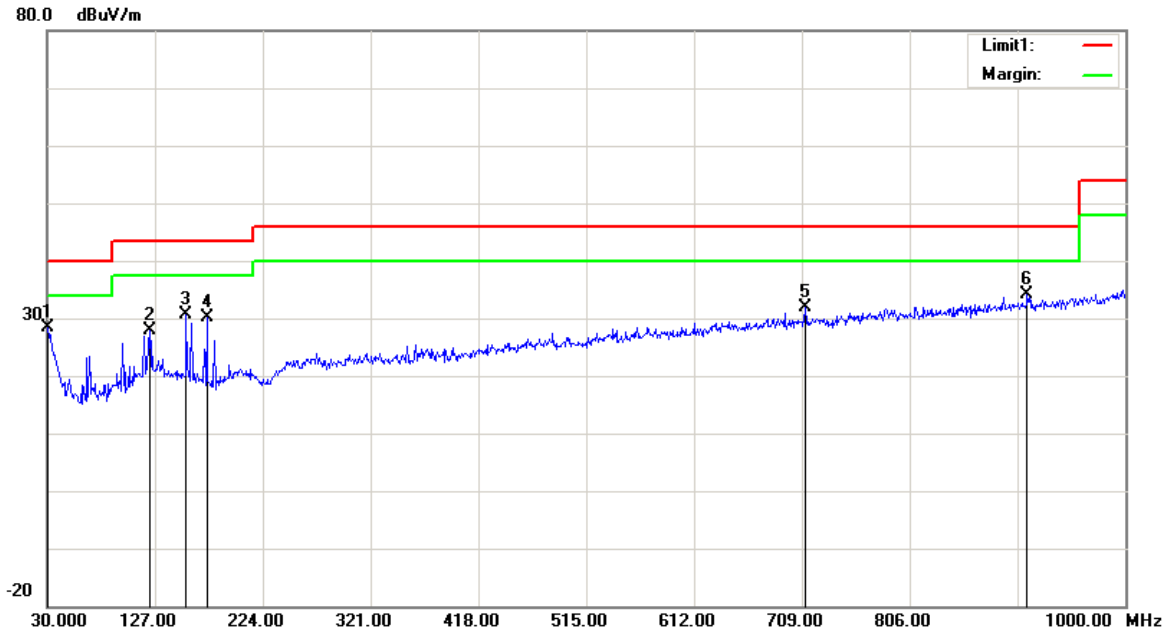
Test Result: Compliance, please Refer to the following data

Test Mode: Transmitting

1) 30MHz-1GHz(802.11b mode High channel was the worst)

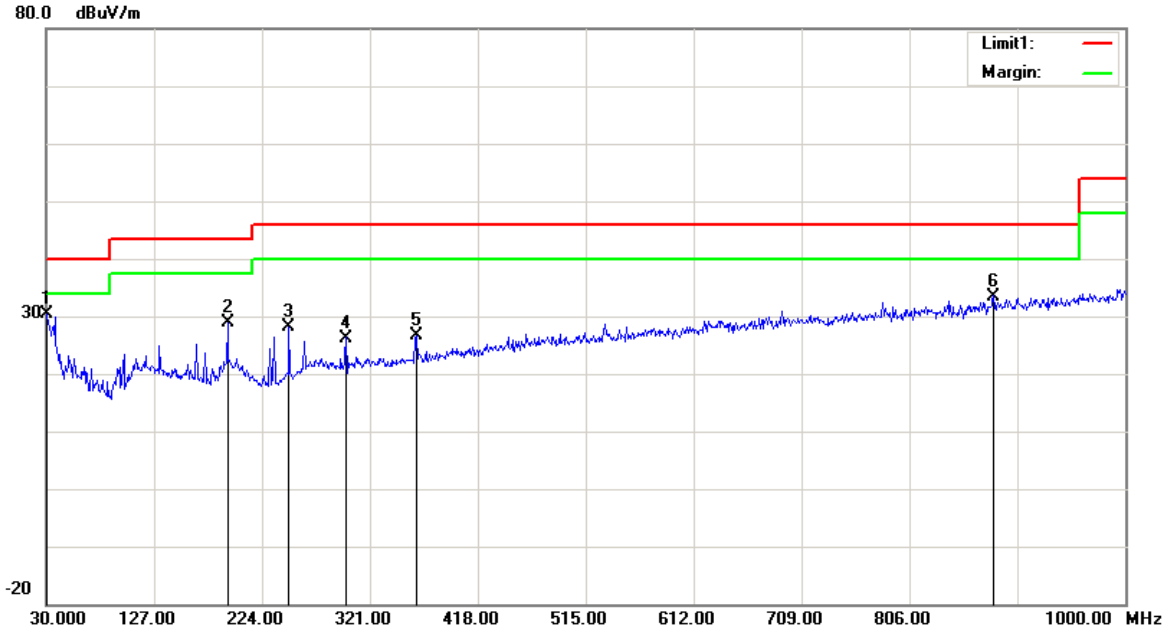
Adapter #1

Horizontal:



Frequency (MHz)	Receiver Reading (dBuV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
30.9700	27.39	peak	0.95	28.34	40.00	11.66
122.1500	32.37	peak	-4.55	27.82	43.50	15.68
155.1300	36.55	peak	-5.88	30.67	43.50	12.83
173.5600	36.96	peak	-6.83	30.13	43.50	13.37
711.9100	28.61	peak	3.18	31.79	46.00	14.21
911.7300	37.90	peak	-3.74	34.16	46.00	11.84

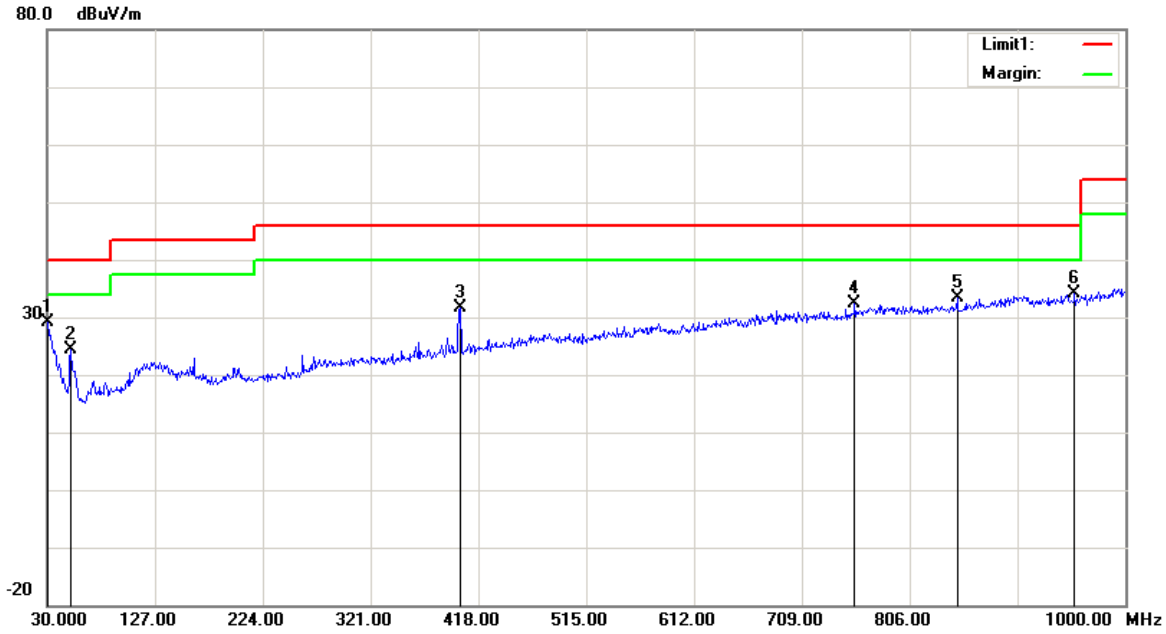
Vertical:



Frequency (MHz)	Receiver Reading (dBuV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
30.0000	28.61	peak	1.76	30.37	40.00	9.63
192.9600	35.76	peak	-6.89	28.87	43.50	14.63
248.2500	33.92	peak	-5.90	28.02	46.00	17.98
299.6600	30.10	peak	-3.85	26.25	46.00	19.75
362.7100	29.35	peak	-2.80	26.55	46.00	19.45
881.6600	37.68	peak	-4.18	33.50	46.00	12.50

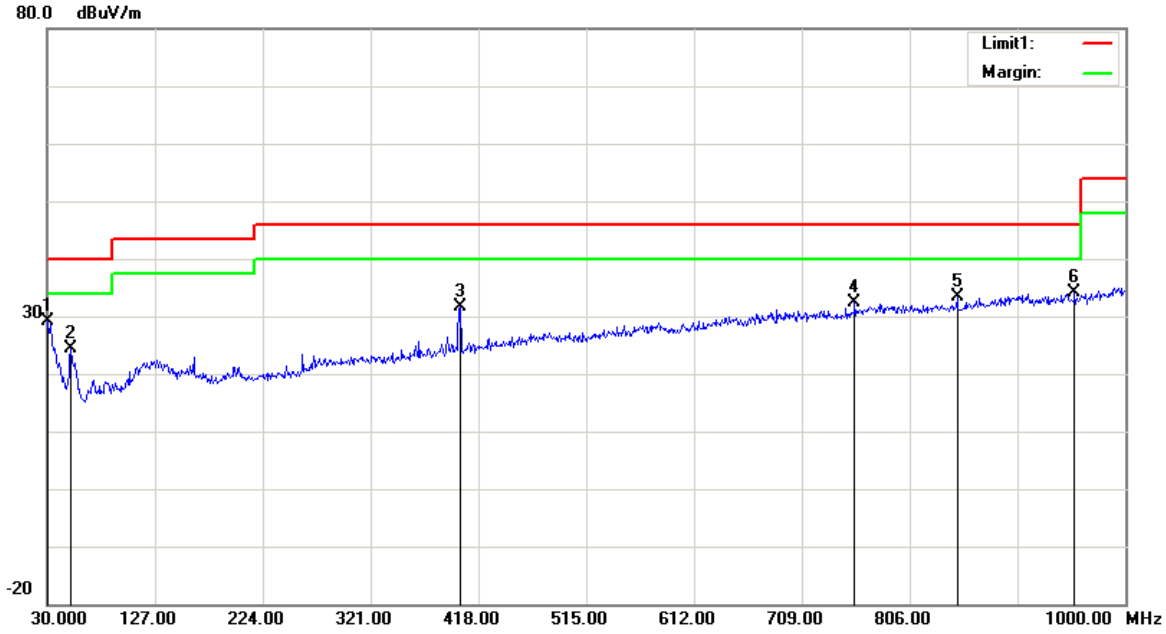
Adapter #2

Horizontal:



Frequency (MHz)	Receiver Reading (dBuV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
30.9700	28.17	peak	0.95	29.12	40.00	10.88
51.3400	35.96	peak	-11.57	24.39	40.00	15.61
401.5100	33.55	peak	-1.99	31.56	46.00	14.44
756.5300	28.57	peak	3.90	32.47	46.00	13.53
848.6800	31.75	peak	1.53	33.28	46.00	12.72
954.4100	37.49	peak	-3.31	34.18	46.00	11.82

Vertical:



Frequency (MHz)	Receiver Reading (dBuV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
30.0000	27.43	peak	1.76	29.19	40.00	10.81
51.3400	35.96	peak	-11.57	24.39	40.00	15.61
401.5100	33.55	peak	-1.99	31.56	46.00	14.44
756.5300	28.57	peak	3.90	32.47	46.00	13.53
848.6800	31.75	peak	1.53	33.28	46.00	12.72
954.4100	37.49	peak	-3.31	34.18	46.00	11.82

2) 1-25GHz:
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/m)					
Low Channel: 2412 MHz									
2412.00	66.37	PK	H	24.84	3.35	0.00	94.56	N/A	N/A
2412.00	61.24	AV	H	24.84	3.35	0.00	89.43	N/A	N/A
2412.00	65.73	PK	V	24.84	3.35	0.00	93.92	N/A	N/A
2412.00	60.91	AV	V	24.84	3.35	0.00	89.10	N/A	N/A
2390.00	25.01	PK	H	24.80	3.33	0.00	53.14	74.00	20.86
2390.00	13.20	AV	H	24.80	3.33	0.00	41.33	54.00	12.67
4824.00	36.59	PK	H	29.75	4.58	27.41	43.51	74.00	30.49
4824.00	30.89	AV	H	29.75	4.58	27.41	37.81	54.00	16.19
7236.00	38.95	PK	H	33.98	5.62	27.22	51.33	74.00	22.67
7236.00	27.10	AV	H	33.98	5.62	27.22	39.48	54.00	14.52
Middle Channel: 2437 MHz									
2437.00	68.03	PK	H	24.89	3.36	0.00	96.28	N/A	N/A
2437.00	63.47	AV	H	24.89	3.36	0.00	91.72	N/A	N/A
2437.00	67.26	PK	V	24.89	3.36	0.00	95.51	N/A	N/A
2437.00	62.93	AV	V	24.89	3.36	0.00	91.18	N/A	N/A
4874.00	37.97	PK	H	29.85	4.57	27.54	44.85	74.00	29.15
4874.00	31.25	AV	H	29.85	4.57	27.54	38.13	54.00	15.87
7311.00	39.47	PK	H	34.10	5.68	27.28	51.97	74.00	22.03
7311.00	25.61	AV	H	34.10	5.68	27.28	38.11	54.00	15.89
High Channel: 2462 MHz									
2462.00	68.54	PK	H	24.93	3.37	0.00	96.84	N/A	N/A
2462.00	63.79	AV	H	24.93	3.37	0.00	92.09	N/A	N/A
2462.00	67.97	PK	V	24.93	3.37	0.00	96.27	N/A	N/A
2462.00	62.75	AV	V	24.93	3.37	0.00	91.05	N/A	N/A
2483.50	24.59	PK	H	24.97	3.38	0.00	52.94	74.00	21.06
2483.50	13.67	AV	H	24.97	3.38	0.00	42.02	54.00	11.98
4924.00	40.03	PK	H	29.95	4.57	27.51	47.04	74.00	26.96
4924.00	33.77	AV	H	29.95	4.57	27.51	40.78	54.00	13.22
7386.00	36.77	PK	H	34.22	5.74	27.18	49.55	74.00	24.45
7386.00	24.37	AV	H	34.22	5.74	27.18	37.15	54.00	16.85

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/m)					
Low Channel: 2412 MHz									
2412.00	66.26	PK	H	24.84	3.35	0.00	94.45	N/A	N/A
2412.00	55.83	AV	H	24.84	3.35	0.00	84.02	N/A	N/A
2412.00	64.42	PK	V	24.84	3.35	0.00	92.61	N/A	N/A
2412.00	51.00	AV	V	24.84	3.35	0.00	79.19	N/A	N/A
2390.00	22.80	PK	H	24.80	3.33	0.00	50.93	74.00	23.07
2390.00	10.62	AV	H	24.80	3.33	0.00	38.75	54.00	15.25
4824.00	35.79	PK	H	29.75	4.58	27.41	42.71	74.00	31.29
4824.00	21.46	AV	H	29.75	4.58	27.41	28.38	54.00	25.62
7236.00	36.44	PK	H	33.98	5.62	27.22	48.82	74.00	25.18
7236.00	22.03	AV	H	33.98	5.62	27.22	34.41	54.00	19.59
Middle Channel: 2437 MHz									
2437.00	67.42	PK	H	24.89	3.36	0.00	95.67	N/A	N/A
2437.00	57.20	AV	H	24.89	3.36	0.00	85.45	N/A	N/A
2437.00	65.65	PK	V	24.89	3.36	0.00	93.90	N/A	N/A
2437.00	55.27	AV	V	24.89	3.36	0.00	83.52	N/A	N/A
4874.00	36.07	PK	H	29.85	4.57	27.54	42.95	74.00	31.05
4874.00	22.14	AV	H	29.85	4.57	27.54	29.02	54.00	24.98
7311.00	36.43	PK	H	34.10	5.68	27.28	48.93	74.00	25.07
7311.00	21.97	AV	H	34.10	5.68	27.28	34.47	54.00	19.53
High Channel: 2462 MHz									
2462.00	68.58	PK	H	24.93	3.37	0.00	96.88	N/A	N/A
2462.00	58.24	AV	H	24.93	3.37	0.00	86.54	N/A	N/A
2462.00	67.42	PK	V	24.93	3.37	0.00	95.72	N/A	N/A
2462.00	57.11	AV	V	24.93	3.37	0.00	85.41	N/A	N/A
2483.50	36.30	PK	H	24.97	3.38	0.00	64.65	74.00	9.35
2483.50	18.90	AV	H	24.97	3.38	0.00	47.25	54.00	6.75
4924.00	35.57	PK	H	29.95	4.57	27.51	42.58	74.00	31.42
4924.00	21.31	AV	H	29.95	4.57	27.51	28.32	54.00	25.68
7386.00	36.43	PK	H	34.22	5.74	27.18	49.21	74.00	24.79
7386.00	21.87	AV	H	34.22	5.74	27.18	34.65	54.00	19.35

802.11n ht20 Mode:

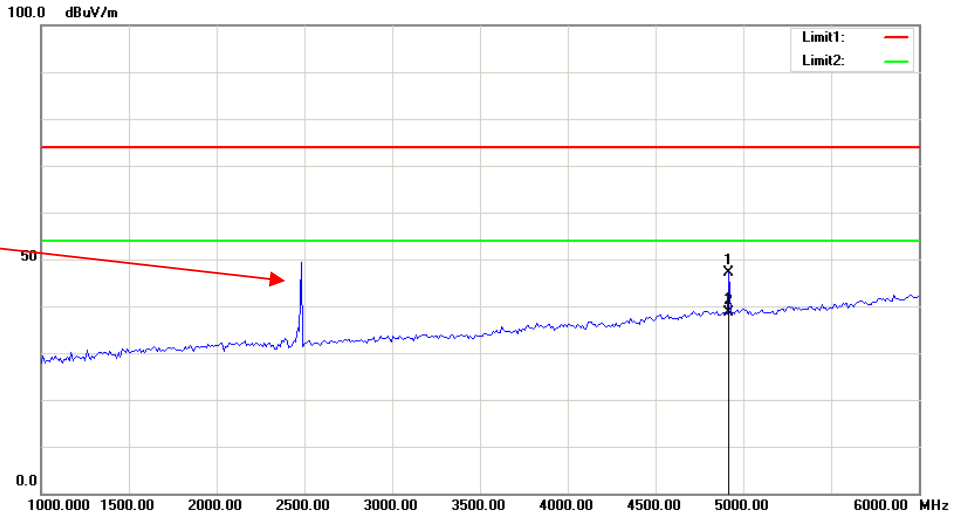
Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB/m)					
Low Channel: 2412 MHz									
2412.00	65.97	PK	H	24.84	3.35	0.00	94.16	N/A	N/A
2412.00	54.83	AV	H	24.84	3.35	0.00	83.02	N/A	N/A
2412.00	65.34	PK	V	24.84	3.35	0.00	93.53	N/A	N/A
2412.00	54.19	AV	V	24.84	3.35	0.00	82.38	N/A	N/A
2390.00	23.70	PK	H	24.80	3.33	0.00	51.83	74.00	22.17
2390.00	10.68	AV	H	24.80	3.33	0.00	38.81	54.00	15.19
4824.00	41.34	PK	H	29.75	4.58	27.41	48.26	74.00	25.74
4824.00	25.39	AV	H	29.75	4.58	27.41	32.31	54.00	21.69
7236.00	39.98	PK	H	33.98	5.62	27.22	52.36	74.00	21.64
7236.00	26.69	AV	H	33.98	5.62	27.22	39.07	54.00	14.93
Middle Channel: 2437 MHz									
2437.00	66.80	PK	H	24.89	3.36	0.00	95.05	N/A	N/A
2437.00	56.27	AV	H	24.89	3.36	0.00	84.52	N/A	N/A
2437.00	65.57	PK	V	24.89	3.36	0.00	93.82	N/A	N/A
2437.00	54.32	AV	V	24.89	3.36	0.00	82.57	N/A	N/A
4874.00	35.48	PK	H	29.85	4.57	27.54	42.36	74.00	31.64
4874.00	23.07	AV	H	29.85	4.57	27.54	29.95	54.00	24.05
7311.00	36.18	PK	H	34.10	5.68	27.28	48.68	74.00	25.32
7311.00	23.01	AV	H	34.10	5.68	27.28	35.51	54.00	18.49
High Channel: 2462 MHz									
2462.00	68.62	PK	H	24.93	3.37	0.00	96.92	N/A	N/A
2462.00	57.29	AV	H	24.93	3.37	0.00	85.59	N/A	N/A
2462.00	66.82	PK	V	24.93	3.37	0.00	95.12	N/A	N/A
2462.00	55.76	AV	V	24.93	3.37	0.00	84.06	N/A	N/A
2483.50	37.93	PK	H	24.97	3.38	0.00	66.28	74.00	7.72
2483.50	20.83	AV	H	24.97	3.38	0.00	49.18	54.00	4.82
4924.00	35.00	PK	H	29.95	4.57	27.51	42.01	74.00	31.99
4924.00	21.83	AV	H	29.95	4.57	27.51	28.84	54.00	25.16
7386.00	34.99	PK	H	34.22	5.74	27.18	47.77	74.00	26.23
7386.00	21.37	AV	H	34.22	5.74	27.18	34.15	54.00	19.85

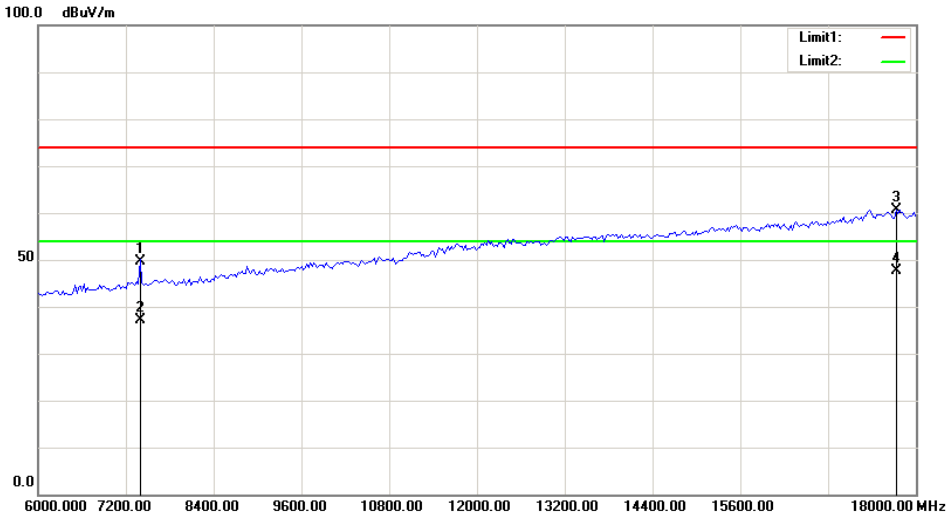
BLE Mode:

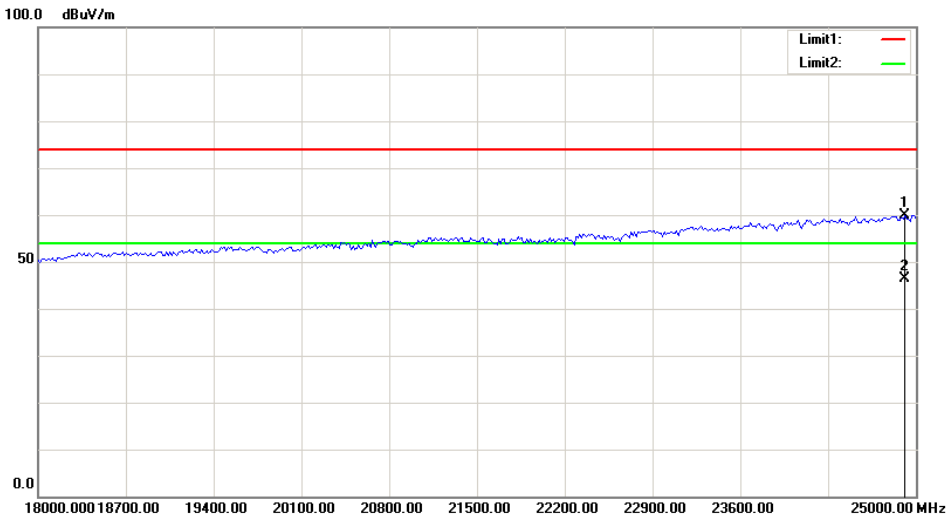
Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB/m)					
Low Channel: 2402 MHz									
2402.00	57.21	PK	H	24.82	3.34	0.00	85.37	N/A	N/A
2402.00	50.53	AV	H	24.82	3.34	0.00	78.69	N/A	N/A
2402.00	56.11	PK	V	24.82	3.34	0.00	84.27	N/A	N/A
2402.00	49.33	AV	V	24.82	3.34	0.00	77.49	N/A	N/A
2390.00	22.30	PK	H	24.80	3.33	0.00	50.43	74.00	23.57
2390.00	10.11	AV	H	24.80	3.33	0.00	38.24	54.00	15.76
4804.00	34.94	PK	H	29.71	4.58	27.36	41.87	74.00	32.13
4804.00	21.94	AV	H	29.71	4.58	27.36	28.87	54.00	25.13
7206.00	36.65	PK	H	33.93	5.59	27.19	48.98	74.00	25.02
7206.00	24.28	AV	H	33.93	5.59	27.19	36.61	54.00	17.39
Middle Channel: 2440 MHz									
2440.00	62.60	PK	H	24.89	3.36	0.00	90.85	N/A	N/A
2440.00	56.33	AV	H	24.89	3.36	0.00	84.58	N/A	N/A
2440.00	57.97	PK	V	24.89	3.36	0.00	86.22	N/A	N/A
2440.00	51.17	AV	V	24.89	3.36	0.00	79.42	N/A	N/A
4880.00	34.74	PK	H	29.86	4.56	27.55	41.61	74.00	32.39
4880.00	20.80	AV	H	29.86	4.56	27.55	27.67	54.00	26.33
7320.00	37.15	PK	H	34.11	5.69	27.26	49.69	74.00	24.31
7320.00	23.93	AV	H	34.11	5.69	27.26	36.47	54.00	17.53
High Channel: 2480 MHz									
2480.00	61.27	PK	H	24.96	3.38	0.00	89.61	N/A	N/A
2480.00	55.55	AV	H	24.96	3.38	0.00	83.89	N/A	N/A
2480.00	56.37	PK	V	24.96	3.38	0.00	84.71	N/A	N/A
2480.00	49.55	AV	V	24.96	3.38	0.00	77.89	N/A	N/A
2483.50	25.86	PK	H	24.97	3.38	0.00	54.21	74.00	19.79
2483.50	12.51	AV	H	24.97	3.38	0.00	40.86	54.00	13.14
4960.00	35.11	PK	H	30.02	4.58	27.37	42.34	74.00	31.66
4960.00	21.83	AV	H	30.02	4.58	27.37	29.06	54.00	24.94
7440.00	39.06	PK	H	34.30	5.79	27.22	51.93	74.00	22.07
7440.00	25.20	AV	H	34.30	5.79	27.22	38.07	54.00	15.93

Test plots(802.11 b mode High channel was the worst)
Horizontal:

Fundamental Test with Band Rejection Filter

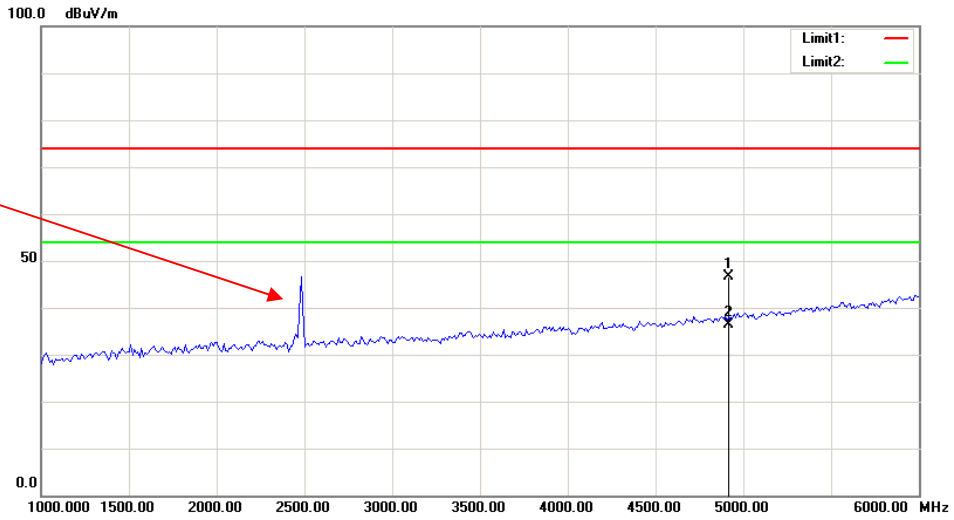


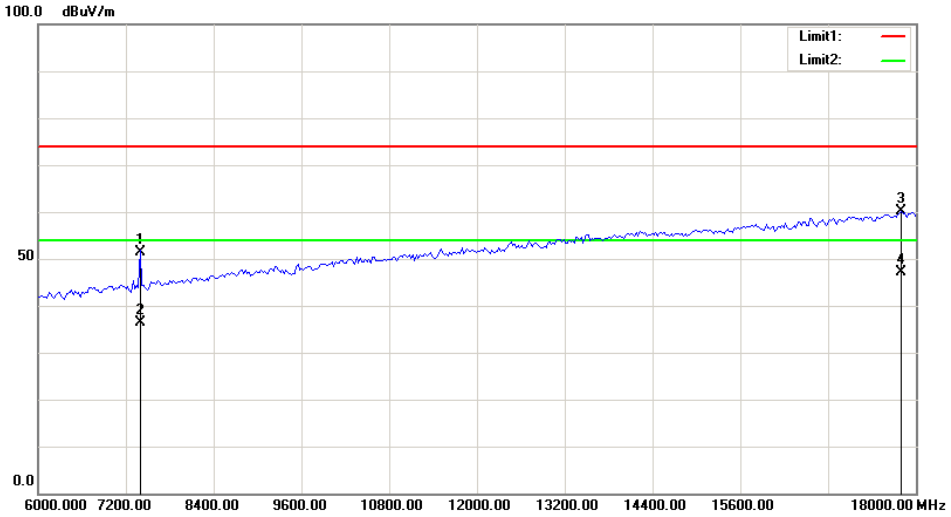


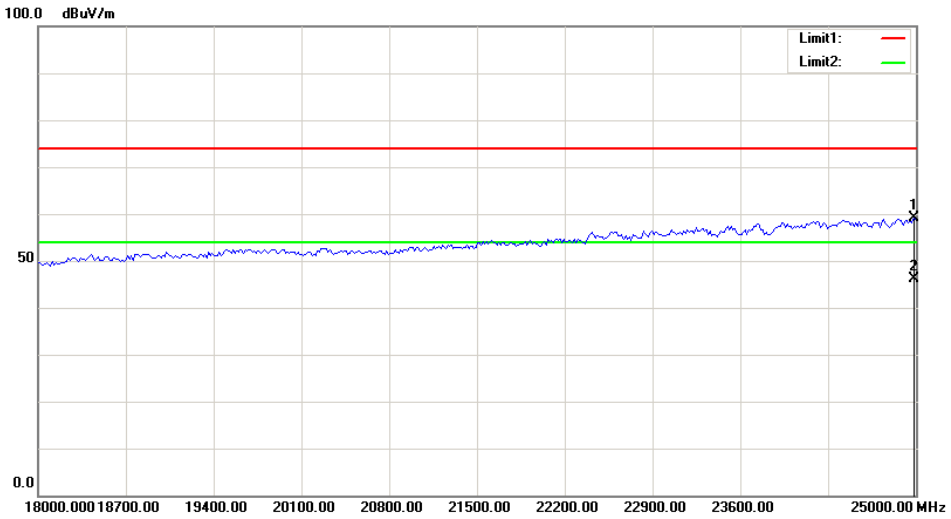


Vertical:

Fundamental Test with Band Rejection Filter







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

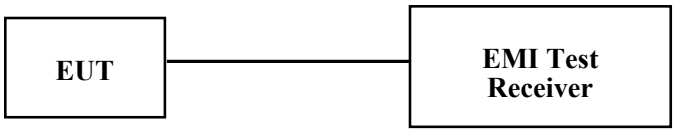
Applicable Standard

According to FCC §15.247(a) (2)

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) ≥ 3×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
R&S	EMI Test Receiver	ESPI	100120	2018-12-10	2019-12-10
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	34 %
ATM Pressure:	99.7 kPa

** The testing was performed by Carrie He on 2018-12-18.*

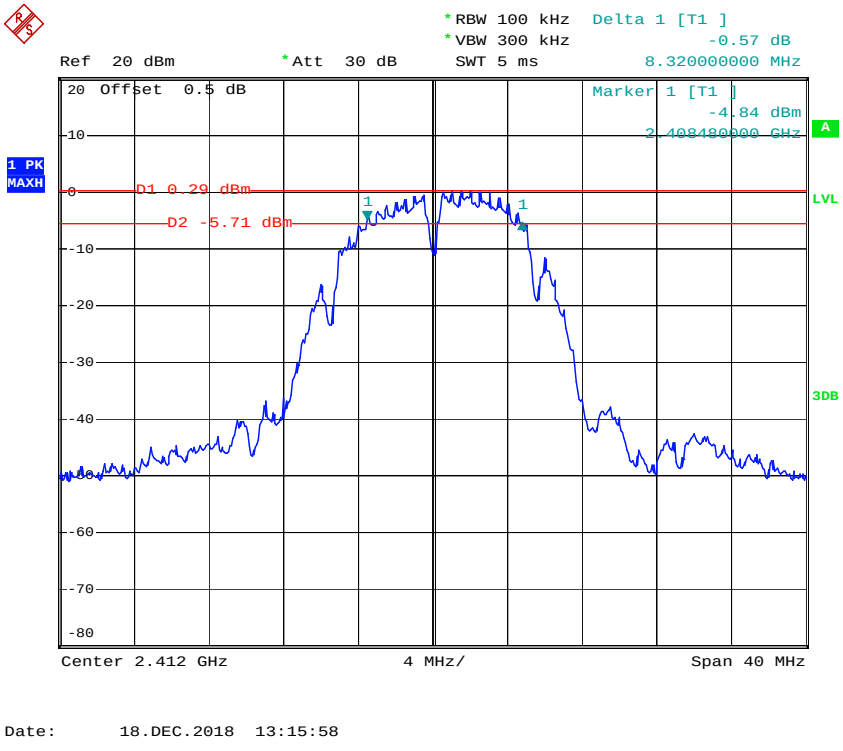
Test Mode: Transmitting

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

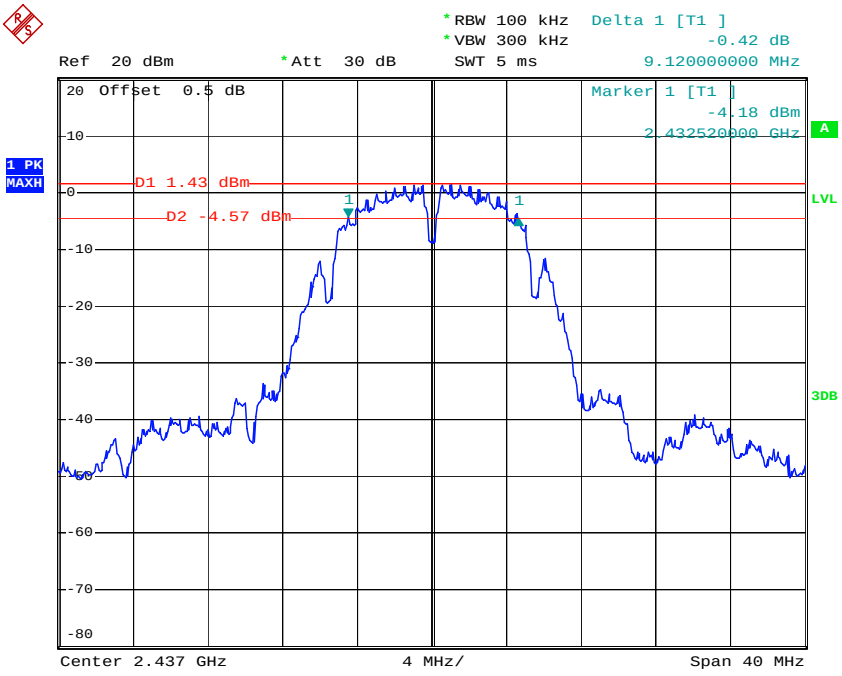
Test mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (MHz)
802.11b	Low	2412	8.320	11.200	≥0.5
	Middle	2437	9.120	11.760	≥0.5
	High	2462	8.800	11.280	≥0.5
802.11g	Low	2412	13.280	17.360	≥0.5
	Middle	2437	16.560	17.600	≥0.5
	High	2462	16.160	17.360	≥0.5
802.11n ht20	Low	2412	16.320	18.000	≥0.5
	Middle	2437	17.680	18.320	≥0.5
	High	2462	16.400	18.080	≥0.5
BLE	Low	2402	0.508	1.024	≥0.5
	Middle	2440	0.508	1.028	≥0.5
	High	2480	0.504	1.028	≥0.5

6dB bandwidth:

802.11b Low Channel

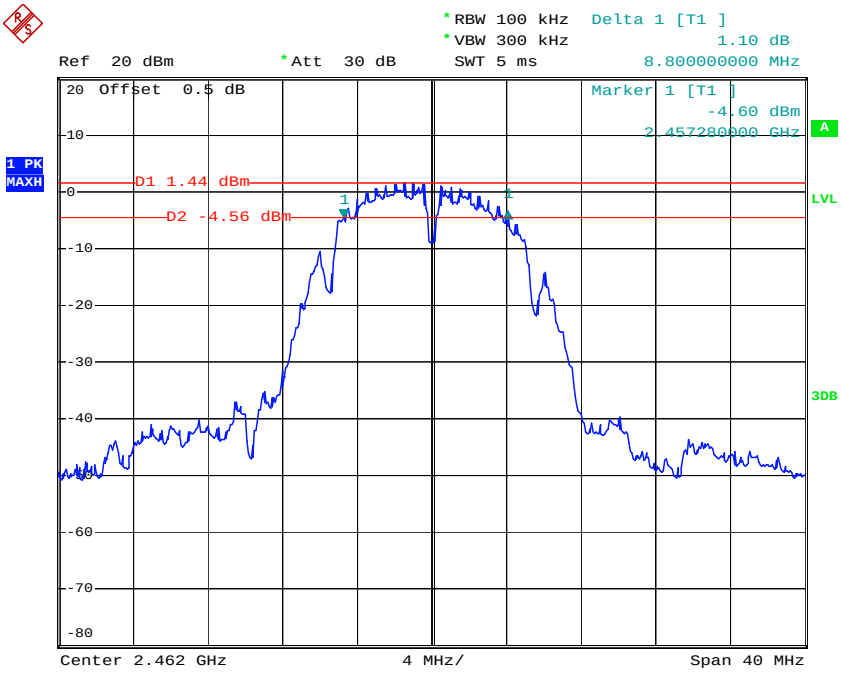


802.11b Middle Channel



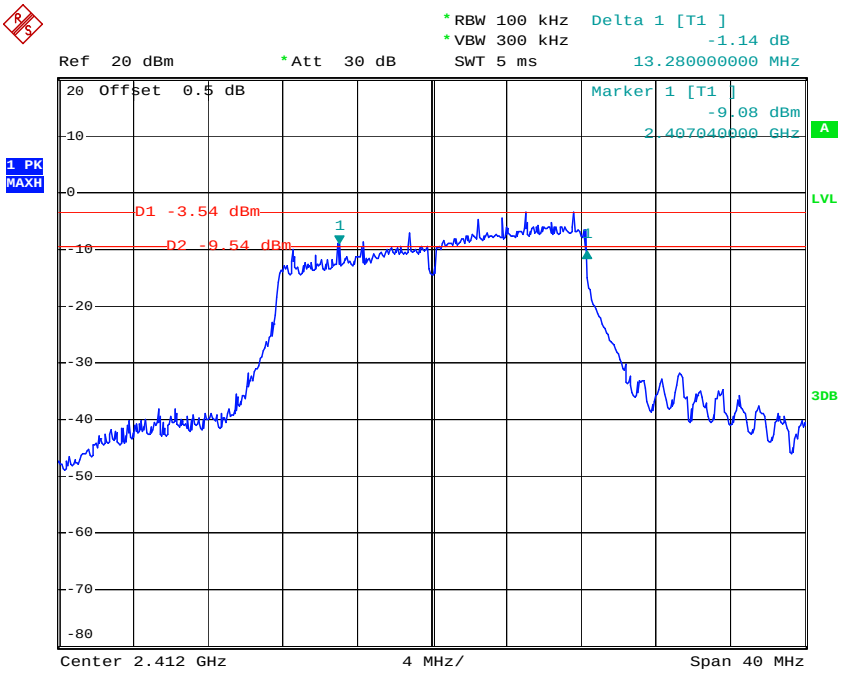
Date: 18.DEC.2018 13:23:22

802.11b High Channel



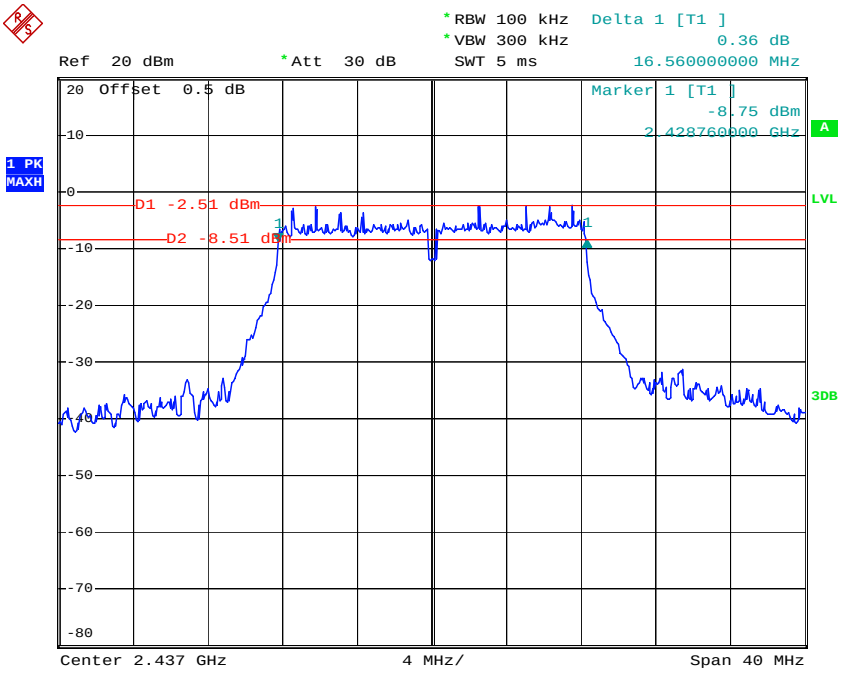
Date: 18.DEC.2018 13:25:20

802.11g Low Channel



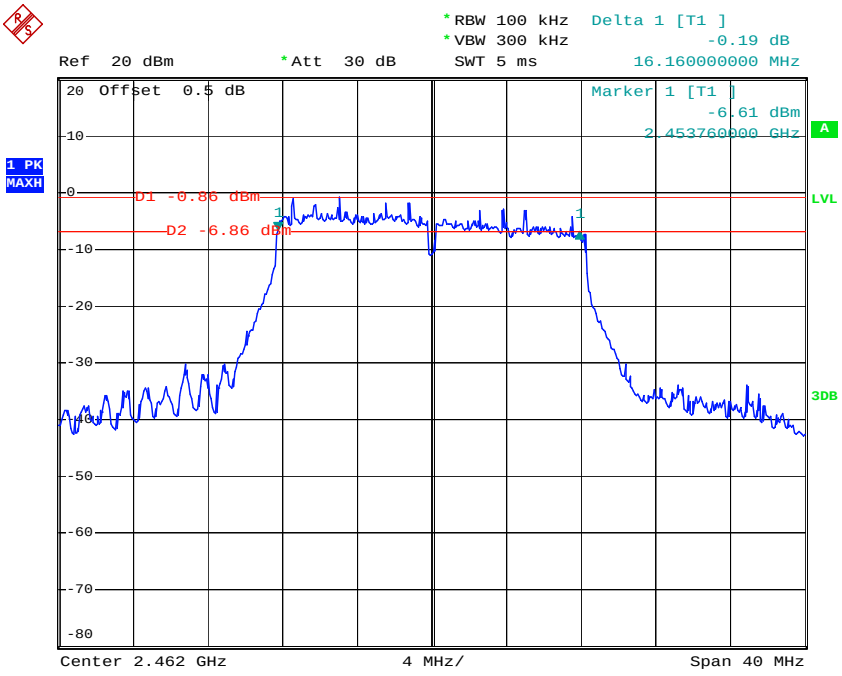
Date: 18.DEC.2018 13:30:02

802.11g Middle Channel



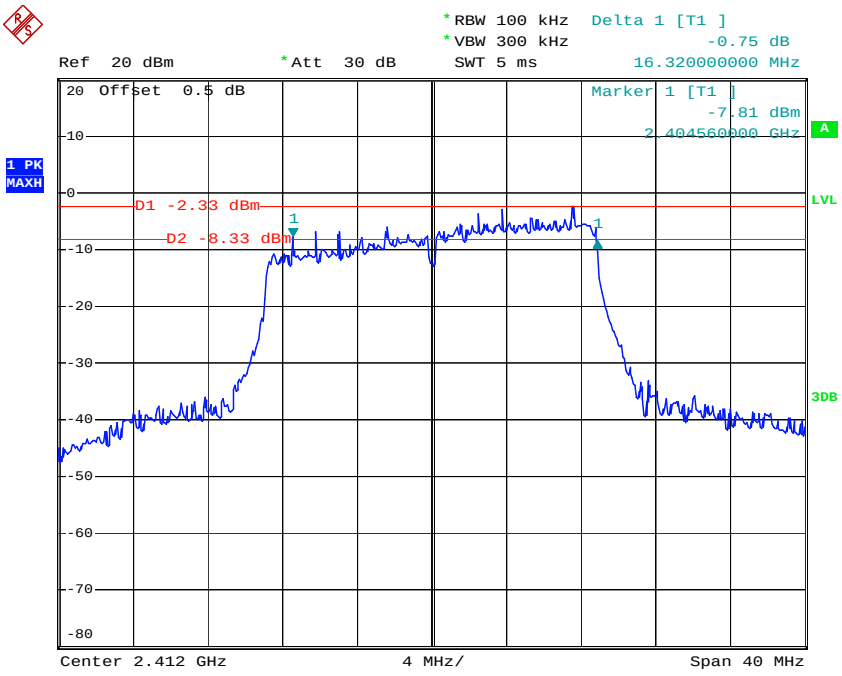
Date: 18.DEC.2018 13:48:11

802.11g High Channel



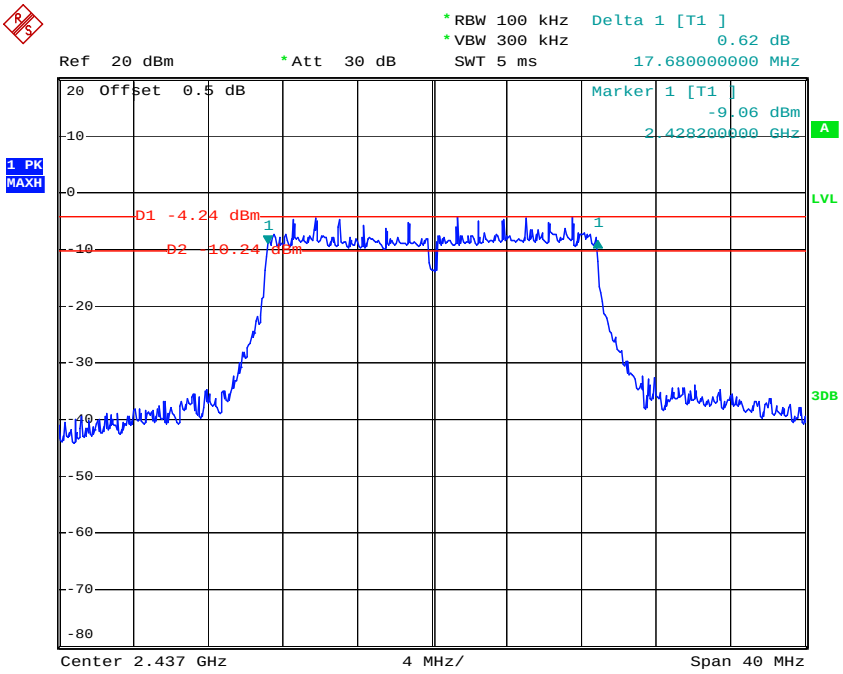
Date: 18.DEC.2018 13:50:19

802.11n ht20 Low Channel



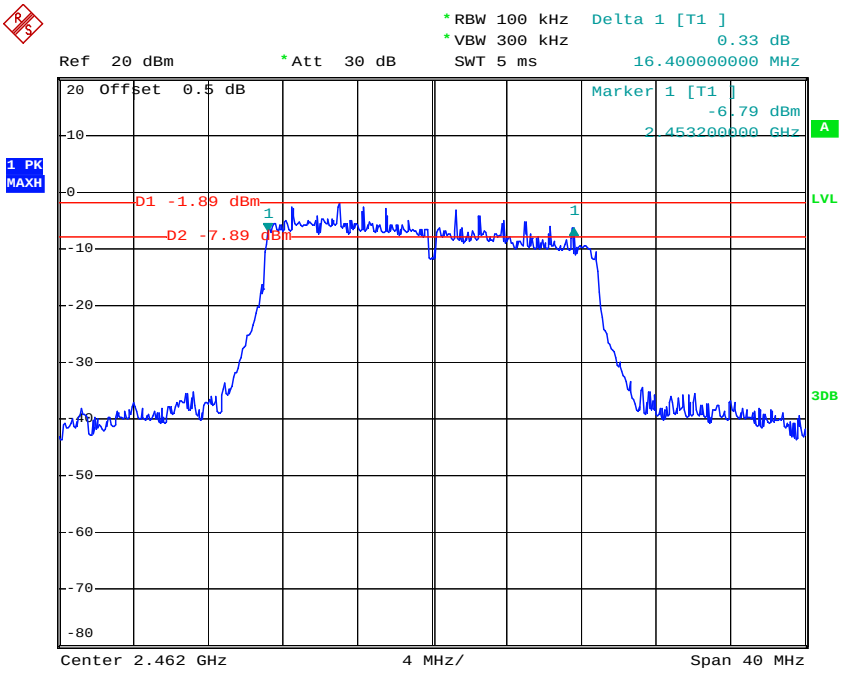
Date: 18.DEC.2018 13:54:33

802.11n ht20 Middle Channel



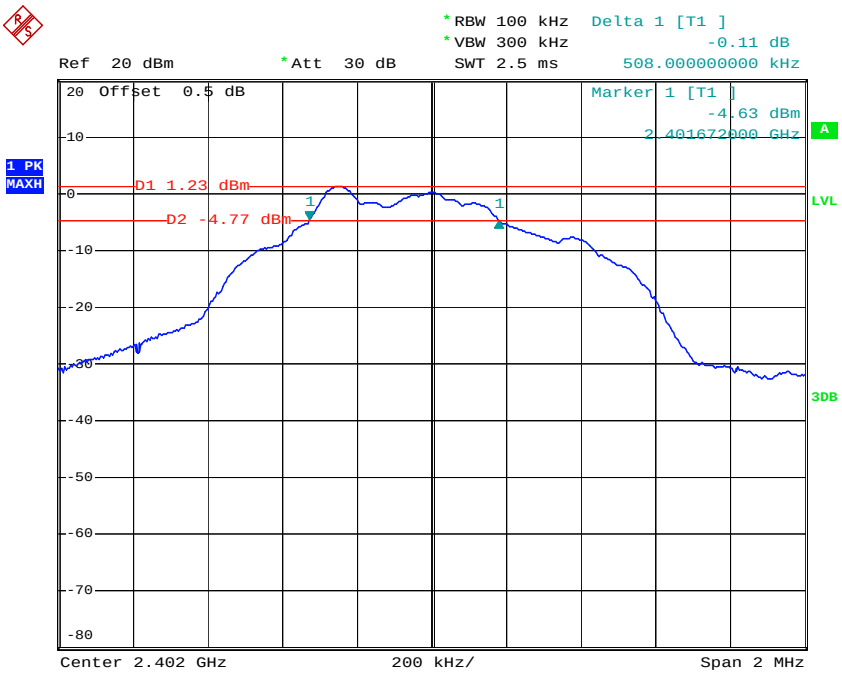
Date: 18.DEC.2018 14:04:11

802.11n ht20 High Channel



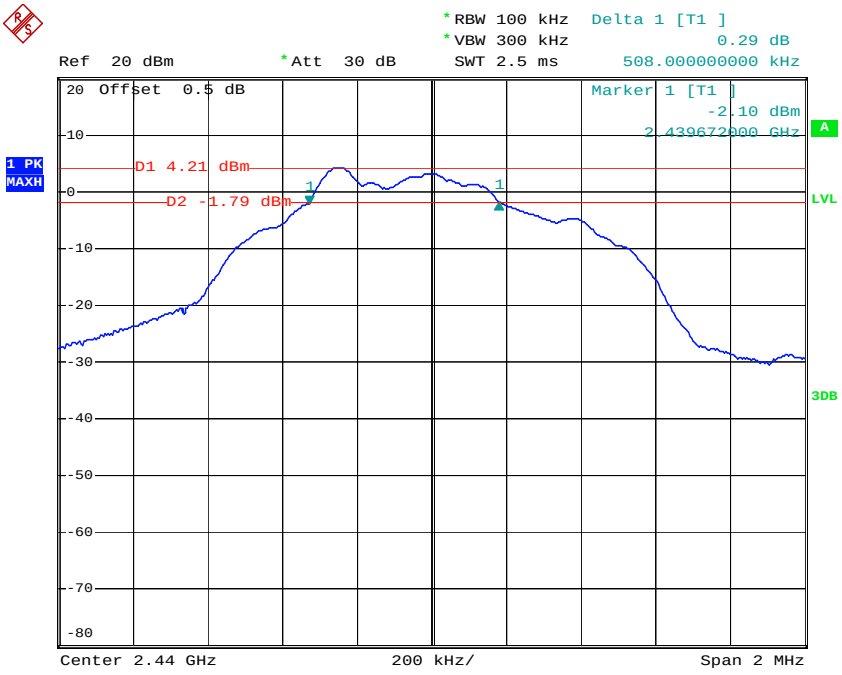
Date: 18.DEC.2018 14:06:34

BLE Low Channel



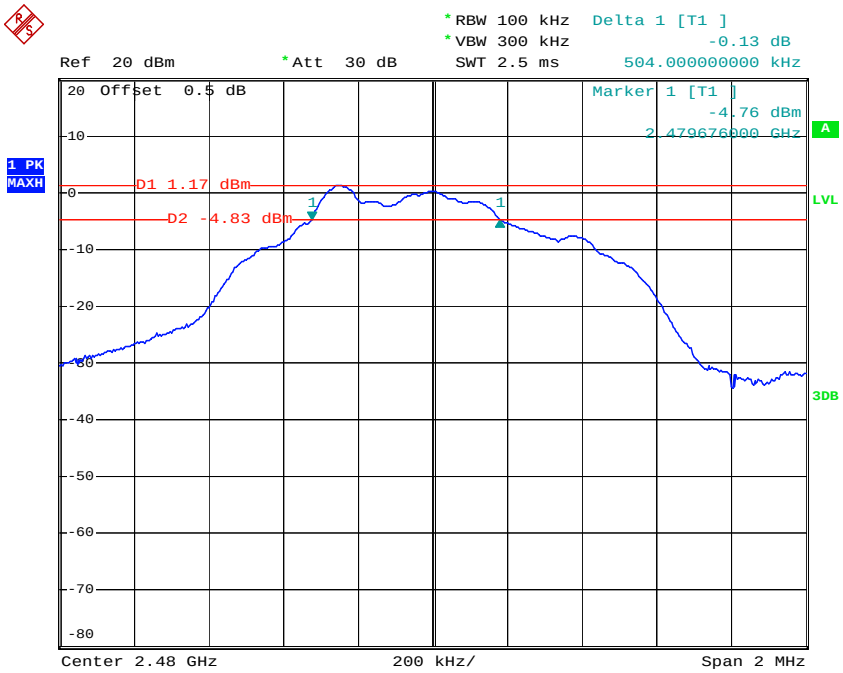
Date: 18.DEC.2018 09:48:16

BLE Middle Channel



Date: 18.DEC.2018 09:50:23

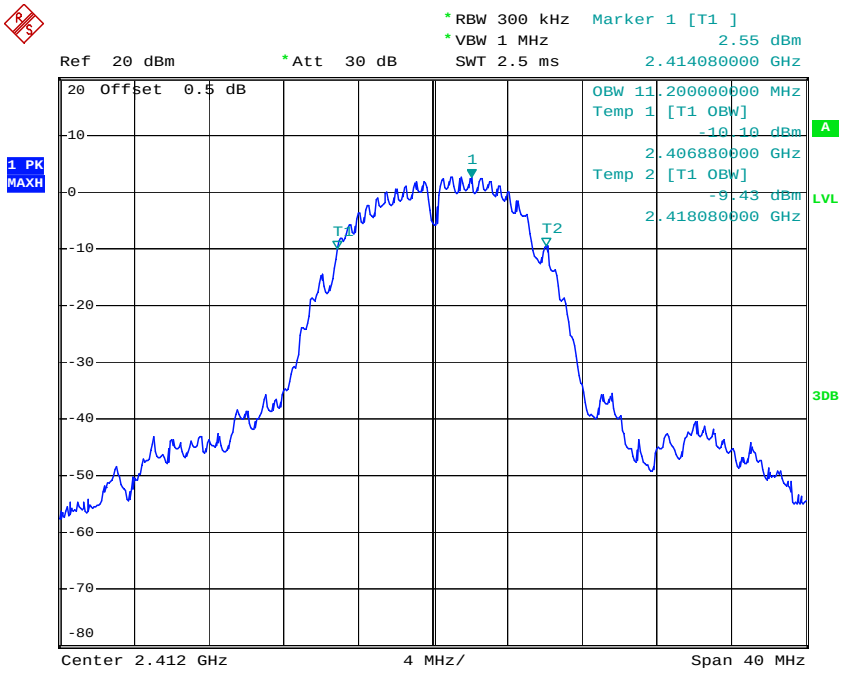
BLE High Channel



Date: 18.DEC.2018 09:52:06

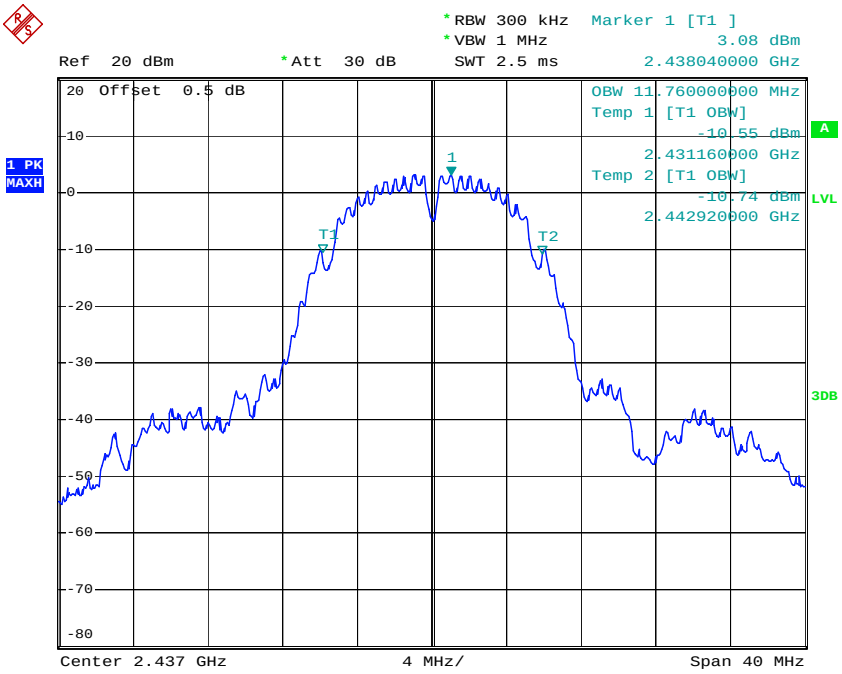
99% Occupied bandwidth:

802.11b Low Channel



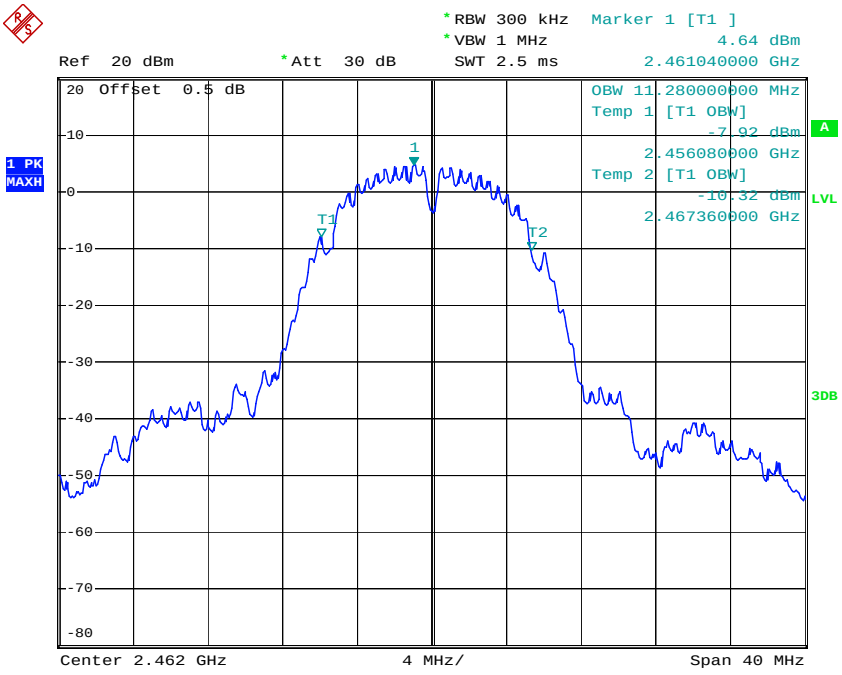
Date: 18.DEC.2018 13:16:16

802.11b Middle Channel



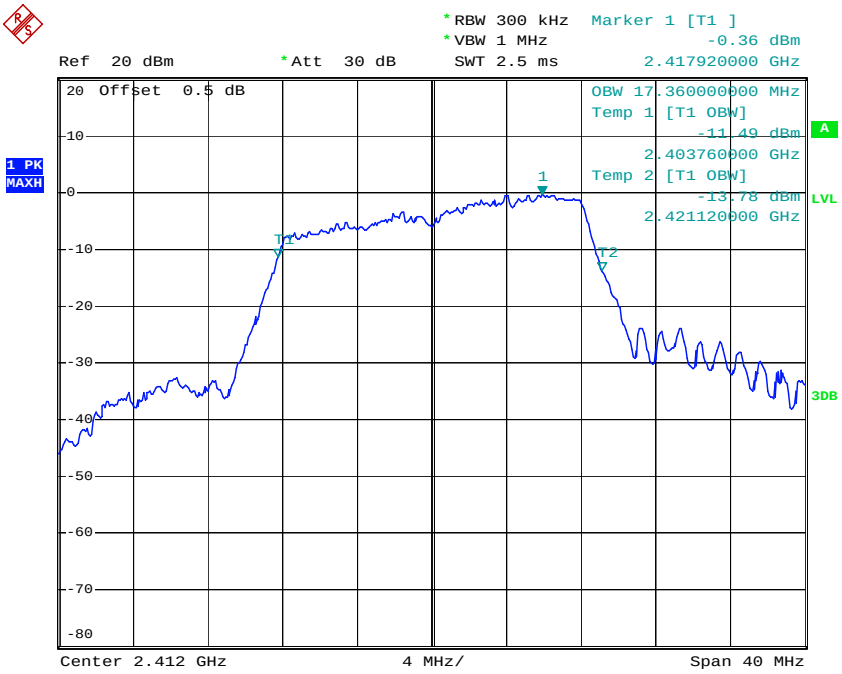
Date: 18.DEC.2018 13:23:36

802.11b High Channel



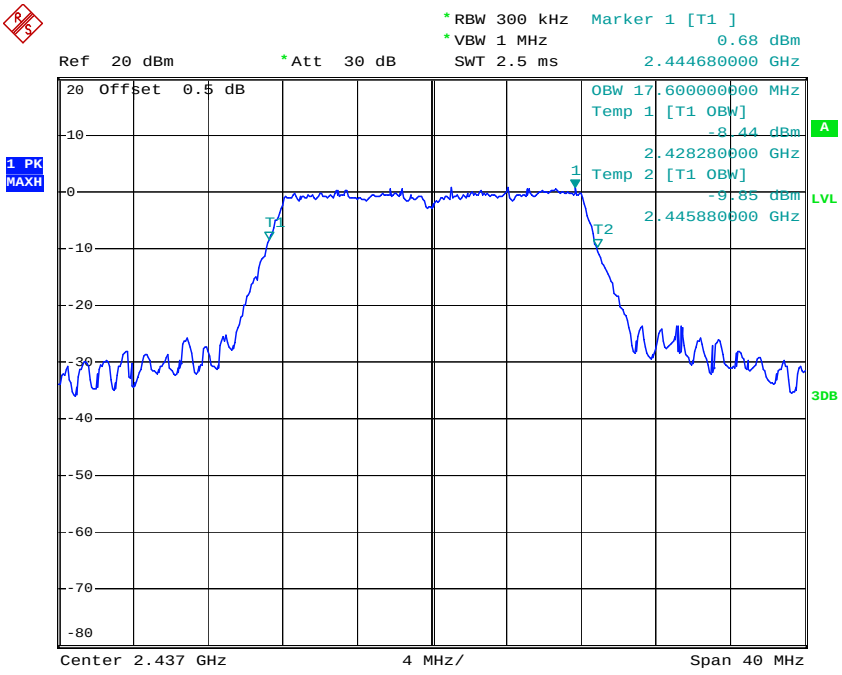
Date: 18.DEC.2018 13:25:41

802.11g Low Channel



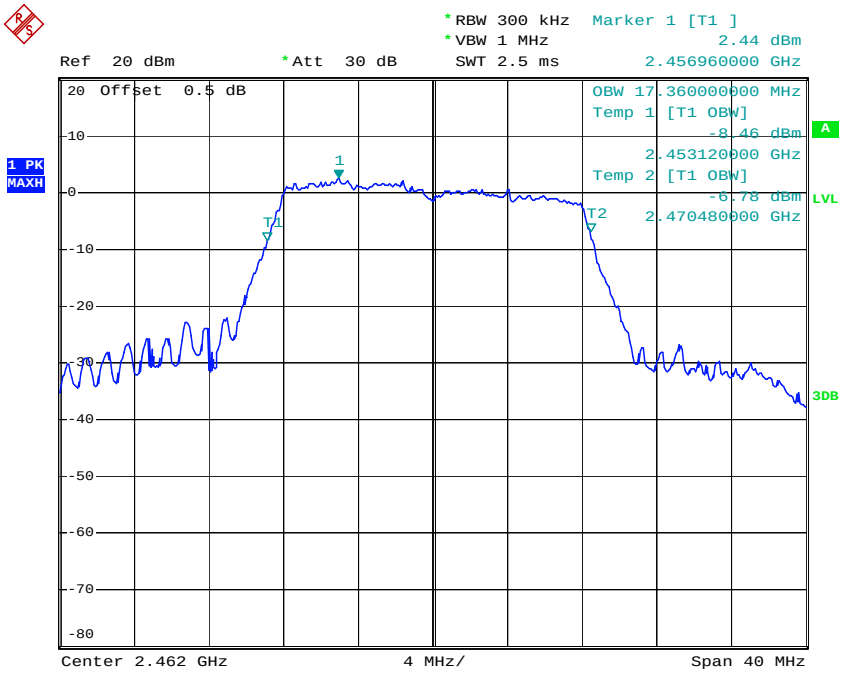
Date: 18.DEC.2018 13:30:27

802.11g Middle Channel



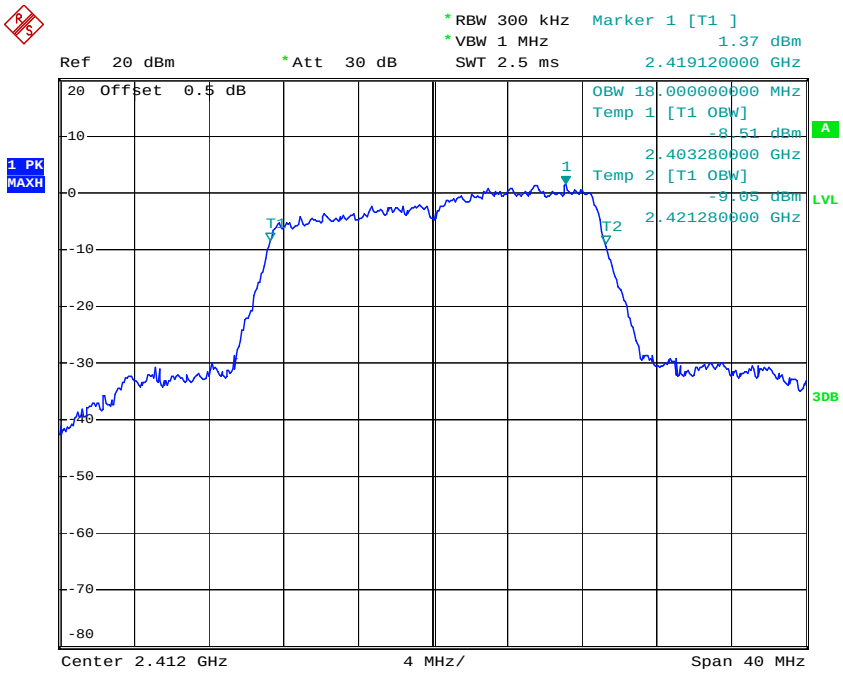
Date: 18.DEC.2018 13:48:27

802.11g High Channel



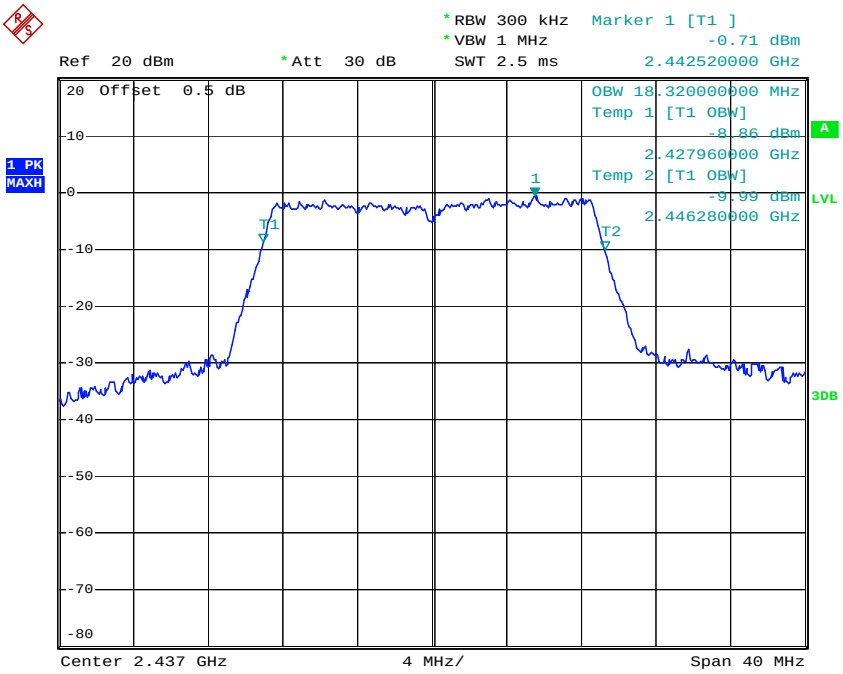
Date: 18.DEC.2018 13:50:39

802.11n ht20 Low Channel



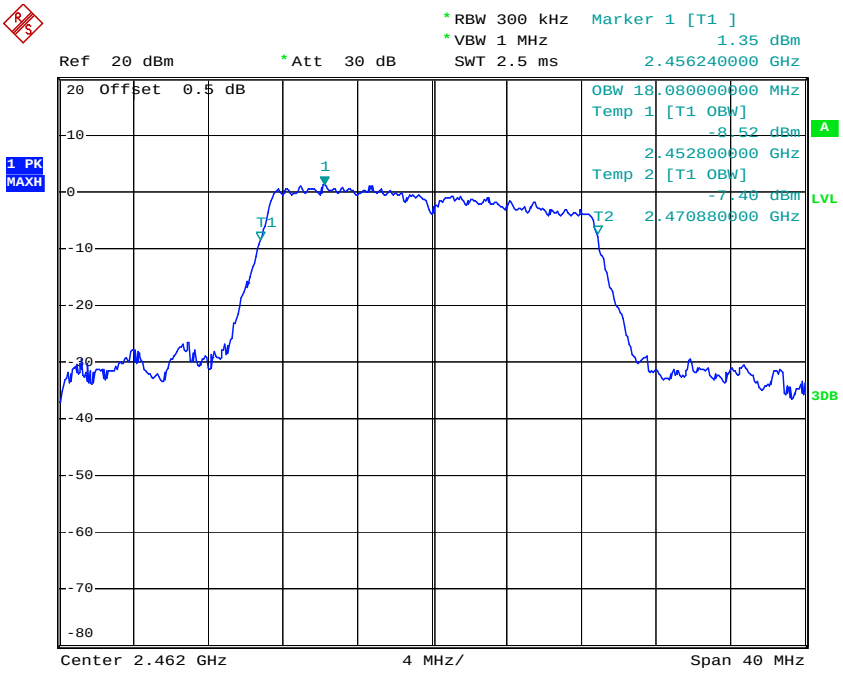
Date: 18.DEC.2018 13:55:00

802.11n ht20 Middle Channel



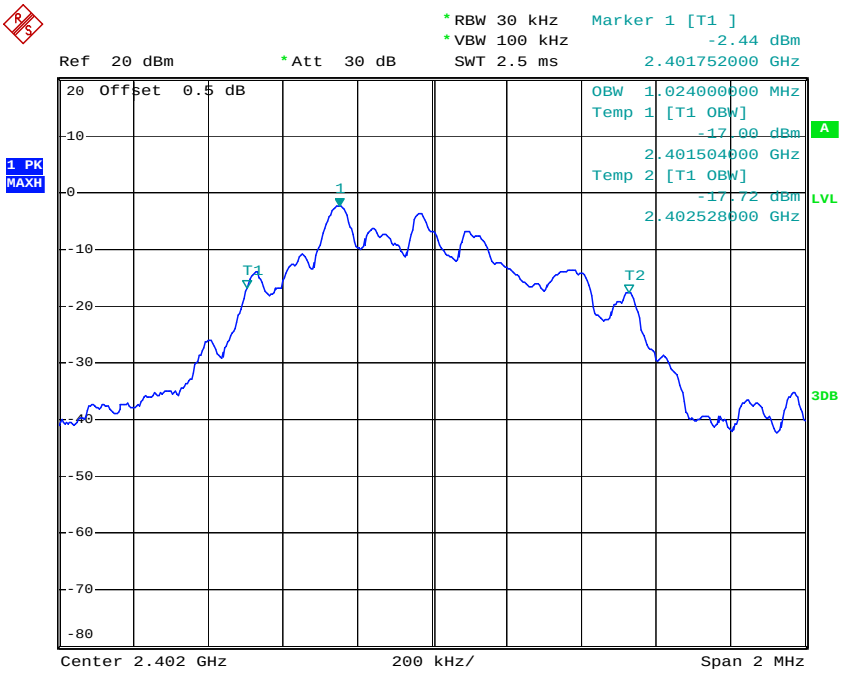
Date: 18.DEC.2018 14:04:39

802.11n ht20 High Channel



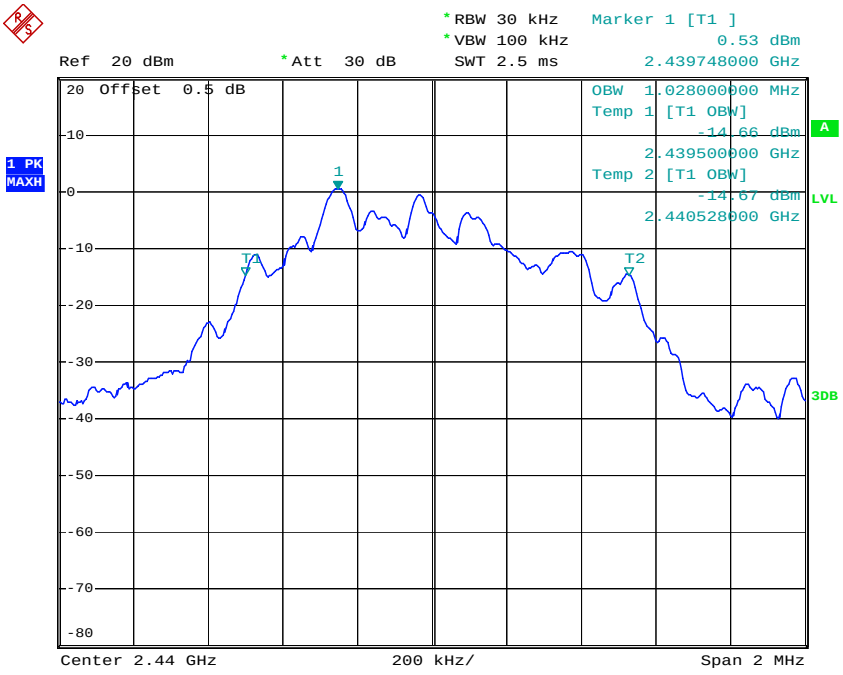
Date: 18.DEC.2018 14:07:03

BLE,Low Channel



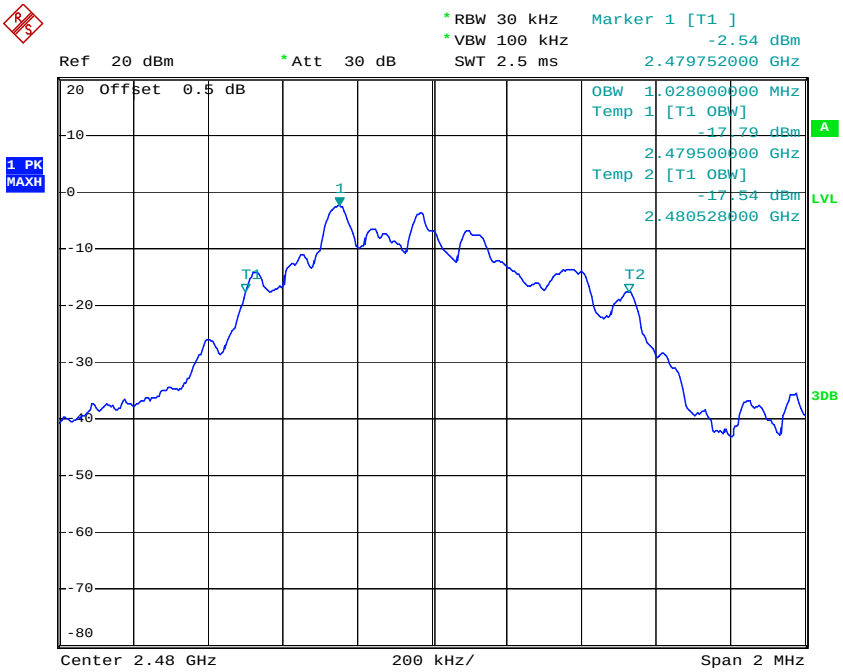
Date: 18.DEC.2018 09:48:33

BLE,Middle Channel



Date: 18.DEC.2018 09:50:40

BLE,High Channel



Date: 18.DEC.2018 09:52:22

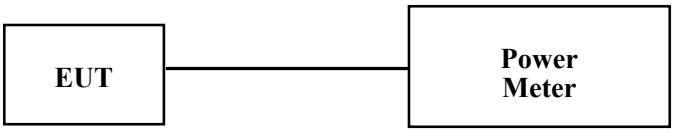
FCC §15.247(b) (3) - MAXIMUM PEAK CONDUCTED OUTPUT POWER

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
E-Microwave	Coaxial Attenuators	EMCA10-5RN-6	OE01203239	2018-09-06	2019-09-06
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A
Agilent	USB Wideband Power Sensor	U2022XA	MY5417006	2018-12-10	2019-12-10

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	34 %
ATM Pressure:	99.7 kPa

** The testing was performed by Carrie He on 2018-12-18.*

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	13.60	10.21	30
	Middle	2437	14.39	10.93	30
	High	2462	16.92	13.70	30
802.11g	Low	2412	17.74	7.65	30
	Middle	2437	18.69	8.91	30
	High	2462	19.22	9.64	30
802.11n ht20	Low	2412	17.75	7.30	30
	Middle	2437	18.73	8.68	30
	High	2462	20.30	11.39	30
BLE	Low	2402	1.41	/	30
	Middle	2440	4.53	/	30
	High	2480	1.47	/	30

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

Applicable Standard

According to FCC§15.247(d):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
R&S	EMI Test Receiver	ESPI	100120	2018-12-10	2019-12-10
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

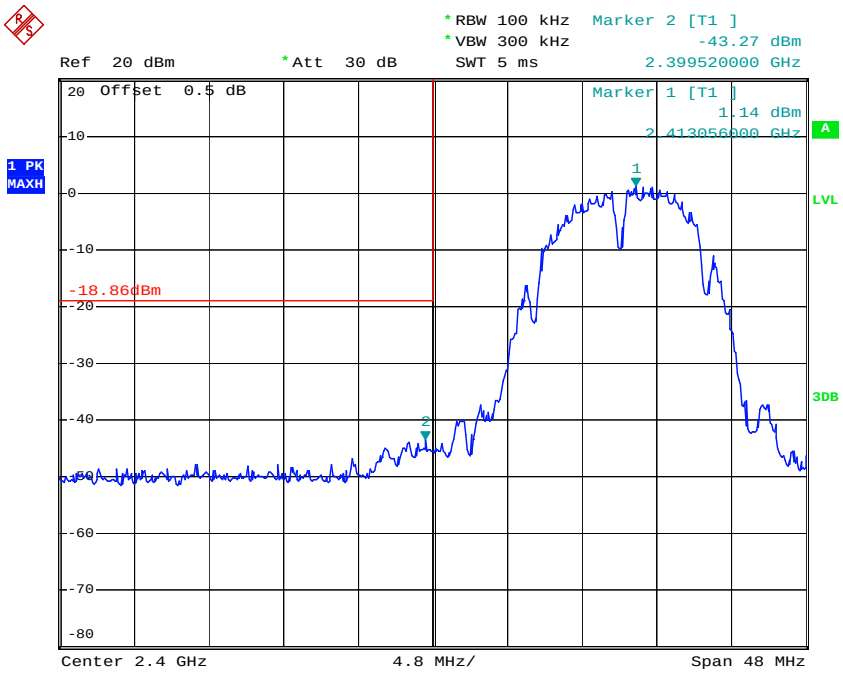
Temperature:	23.9°C
Relative Humidity:	34 %
ATM Pressure:	99.7 kPa

** The testing was performed by Carrie He on 2018-12-18.*

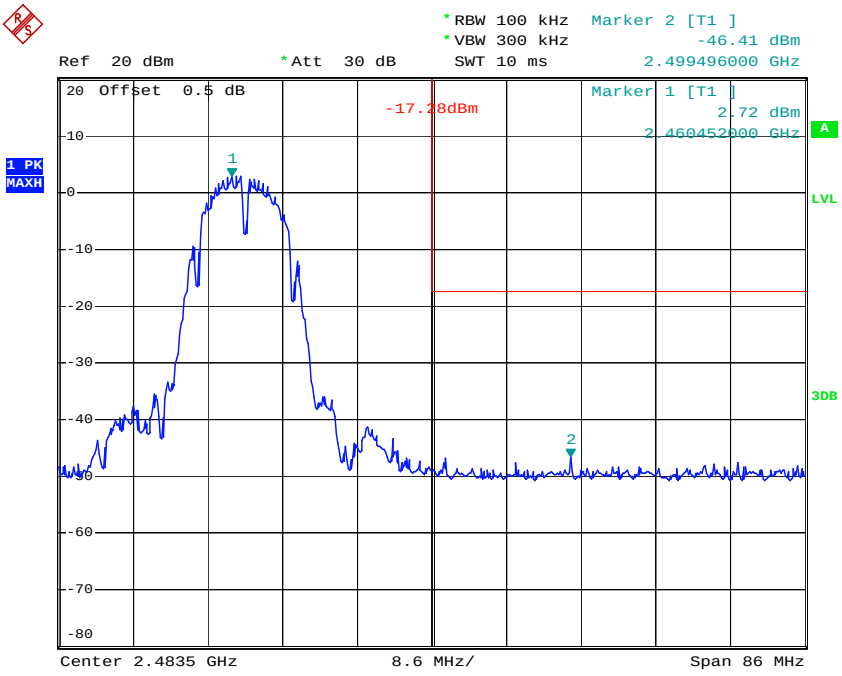
Test mode: Transmitting

Test Result: Compliant. Please refer to following plots.

802.11b: Band Edge, Left Side

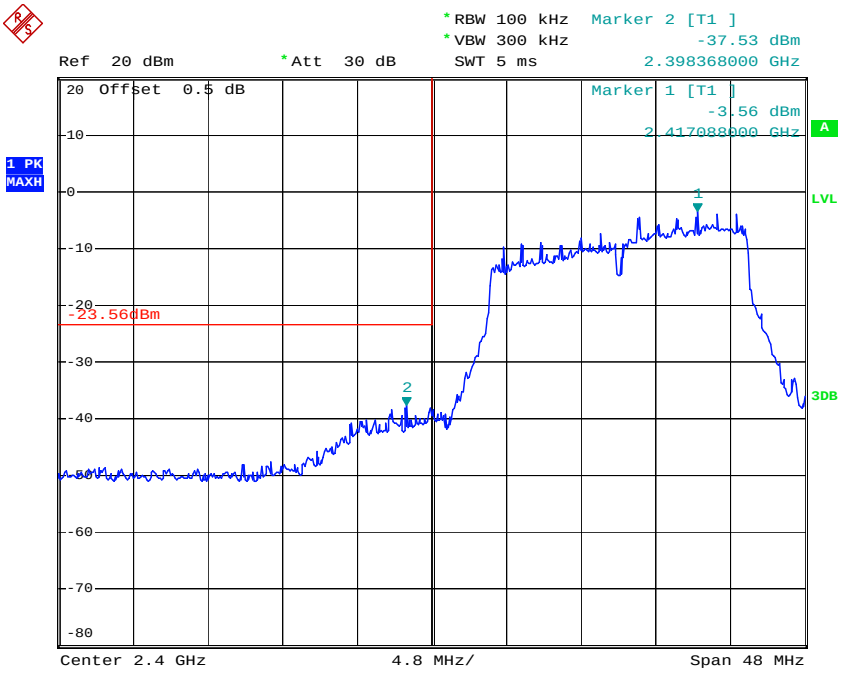


802.11b: Band Edge, Right Side



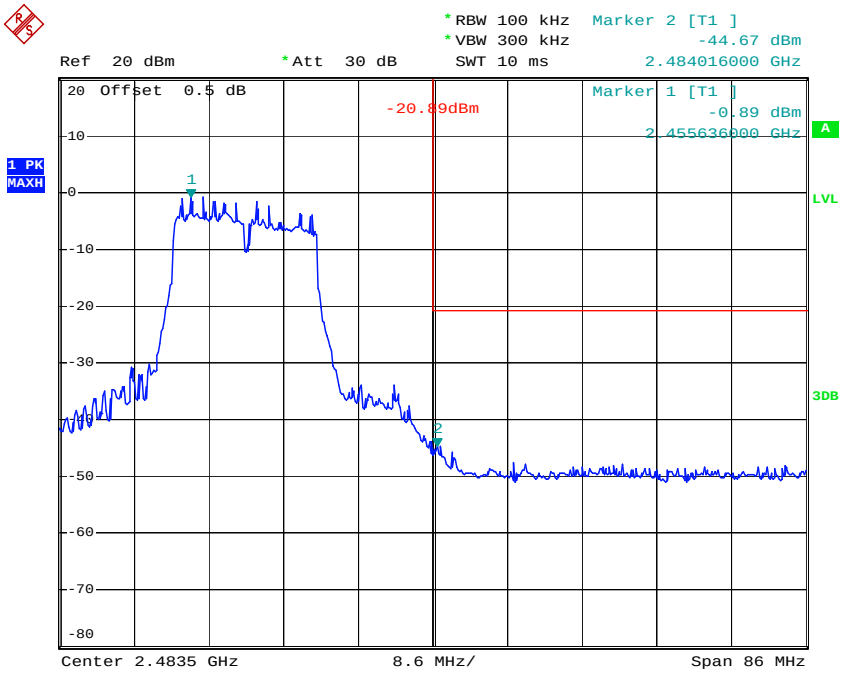
Date: 18.DEC.2018 13:27:28

802.11g: Band Edge, Left Side



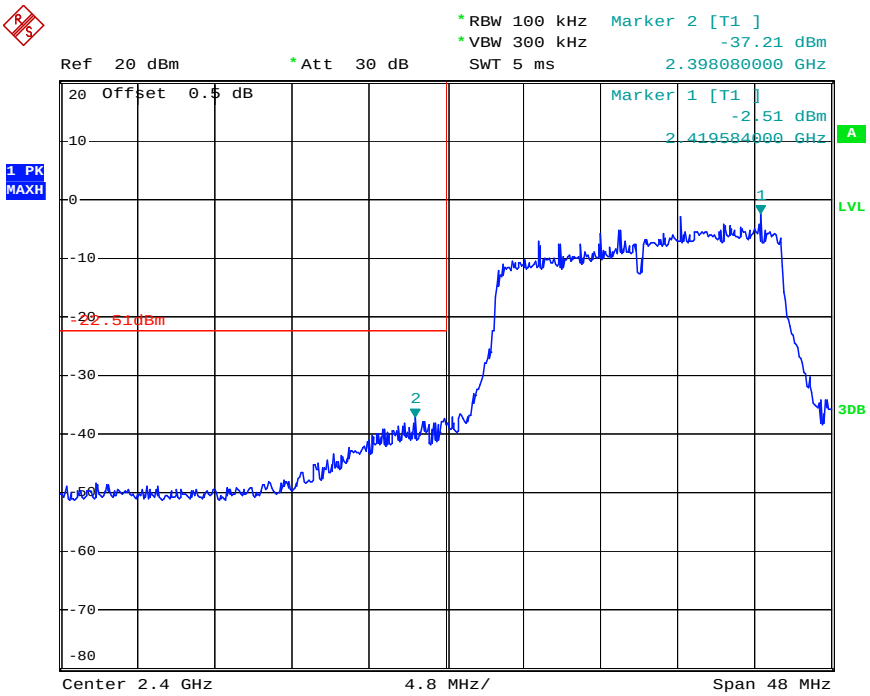
Date: 18.DEC.2018 13:32:31

802.11g: Band Edge, Right Side



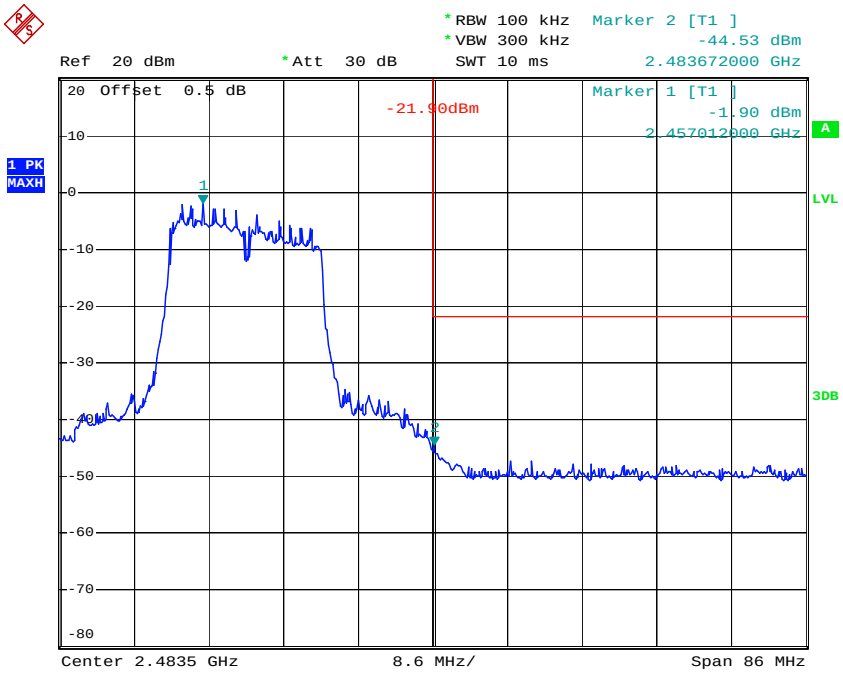
Date: 18.DEC.2018 13:52:01

802.11n ht20 Band Edge, Left Side



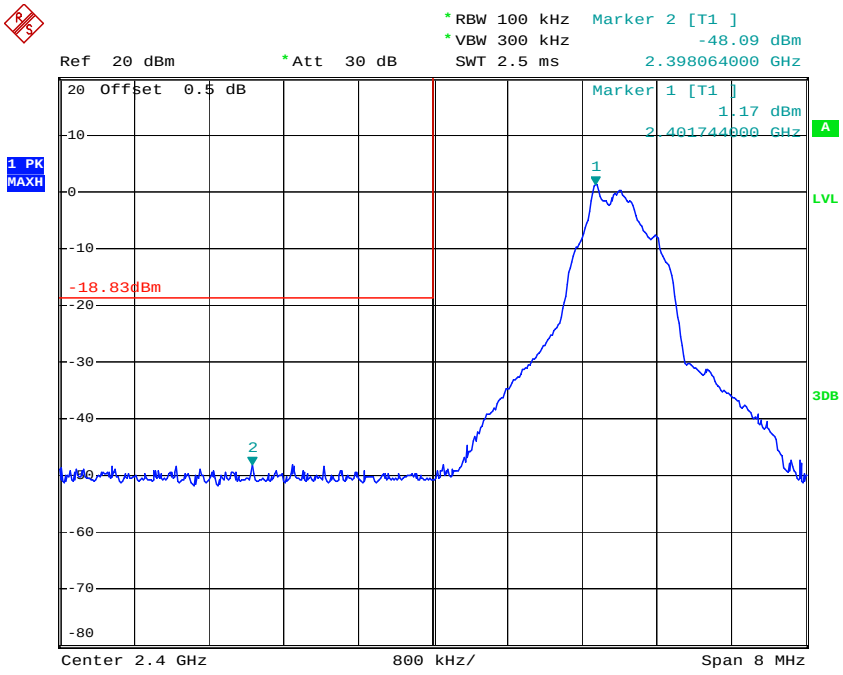
Date: 18.DEC.2018 13:56:40

802.11n ht20 Band Edge, Right Side



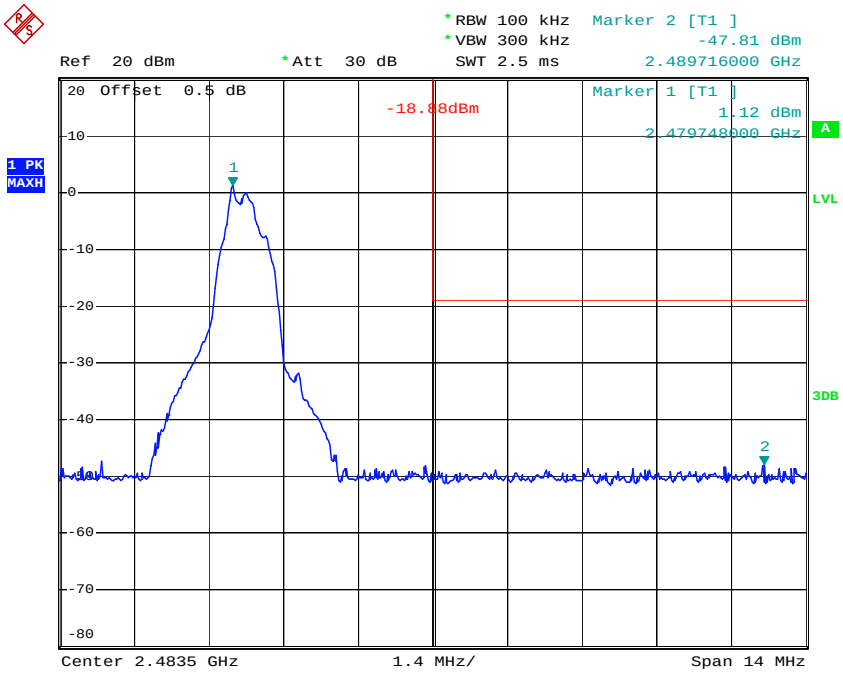
Date: 18.DEC.2018 14:08:29

BLE Band Edge, Left Side



Date: 18.DEC.2018 09:49:24

BLE Band Edge, Right Side



Date: 18.DEC.2018 09:53:14

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

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT was set without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set the RBW = 3 kHz, VBW = 10 kHz, Set the span to 1.5 times the DTS bandwidth.
4. Use the peak marker function to determine the maximum amplitude level.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESPI	100120	2018-12-10	2019-12-10
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	34 %
ATM Pressure:	99.7 kPa

** The testing was performed by Carrie He on 2018-12-18.*

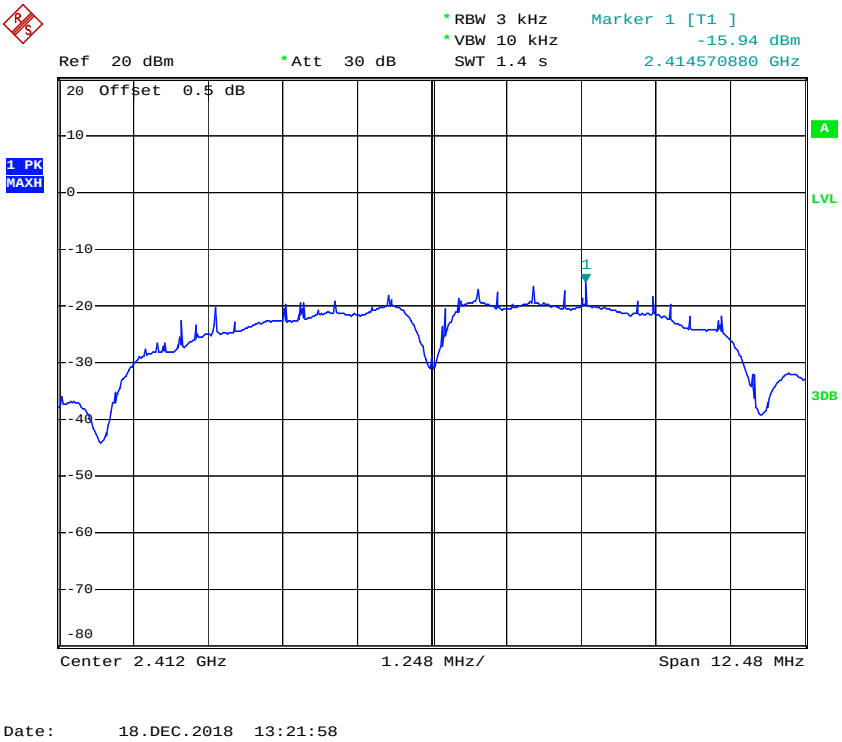
Test Result: Compliance

Test Mode: Transmitting

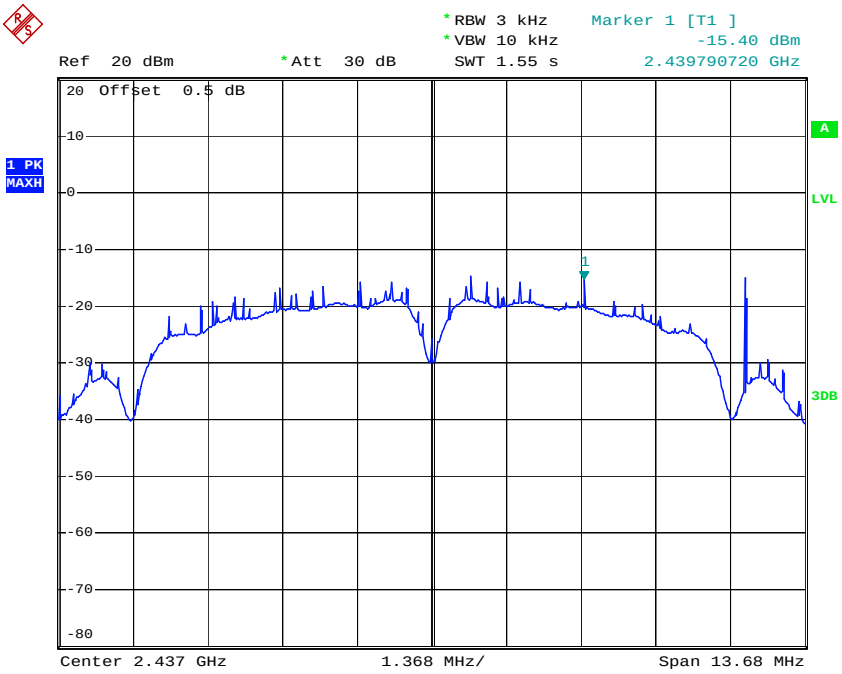
Test Result: Compliant. Please refer to the following table and plots

Test mode	Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
802.11b	Low	2412	-15.94	≤8
	Middle	2437	-15.40	≤8
	High	2462	-13.54	≤8
802.11g	Low	2412	-18.89	≤8
	Middle	2437	-17.80	≤8
	High	2462	-16.58	≤8
802.11n ht20	Low	2412	-18.64	≤8
	Middle	2437	-19.79	≤8
	High	2462	-18.70	≤8
BLE	Low	2402	-16.00	≤8
	Middle	2440	-12.99	≤8
	High	2480	-16.03	≤8

Power Spectral Density, 802.11b Low Channel

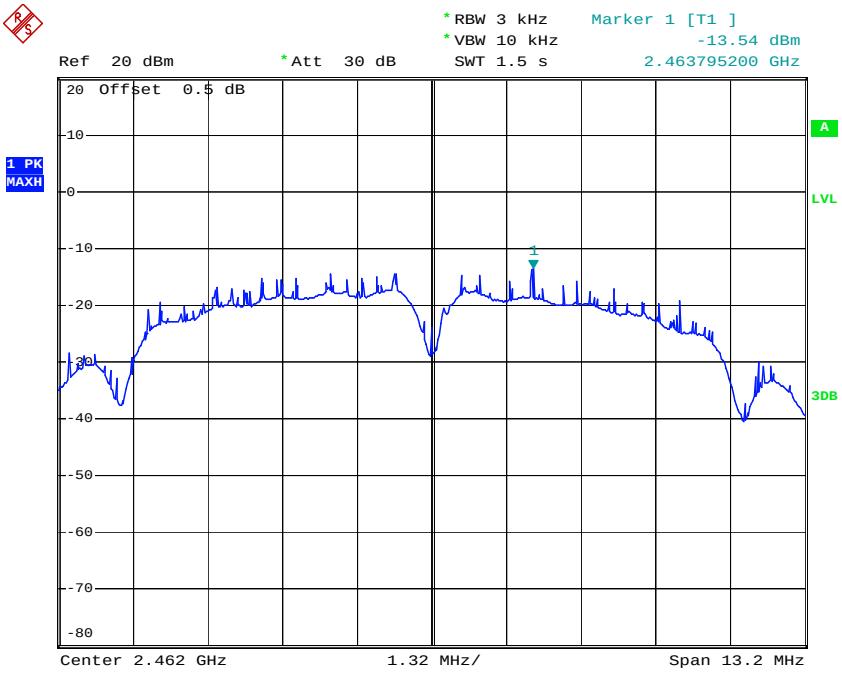


Power Spectral Density, 802.11b Middle Channel



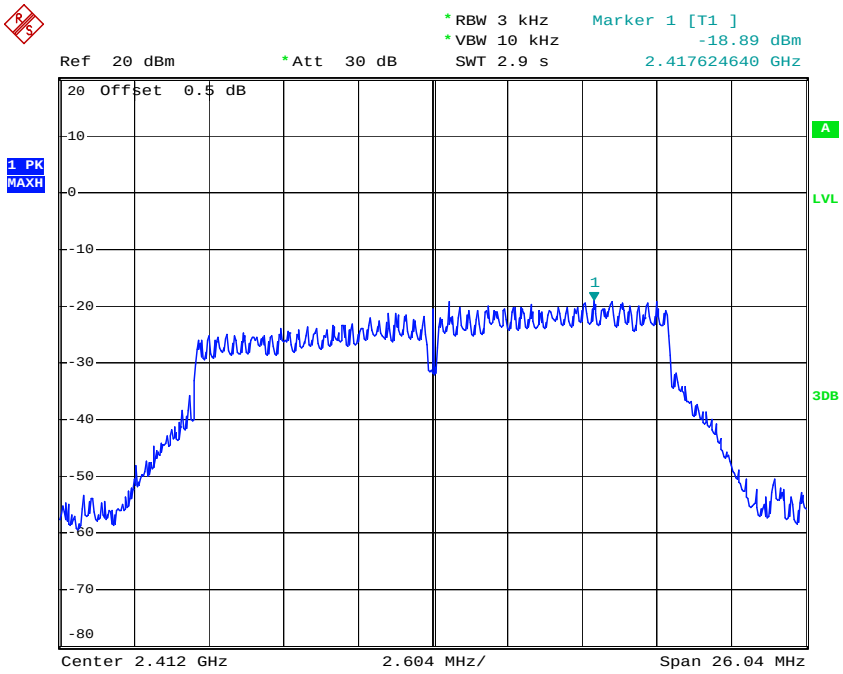
Date: 18.DEC.2018 13:46:06

Power Spectral Density, 802.11b High Channel



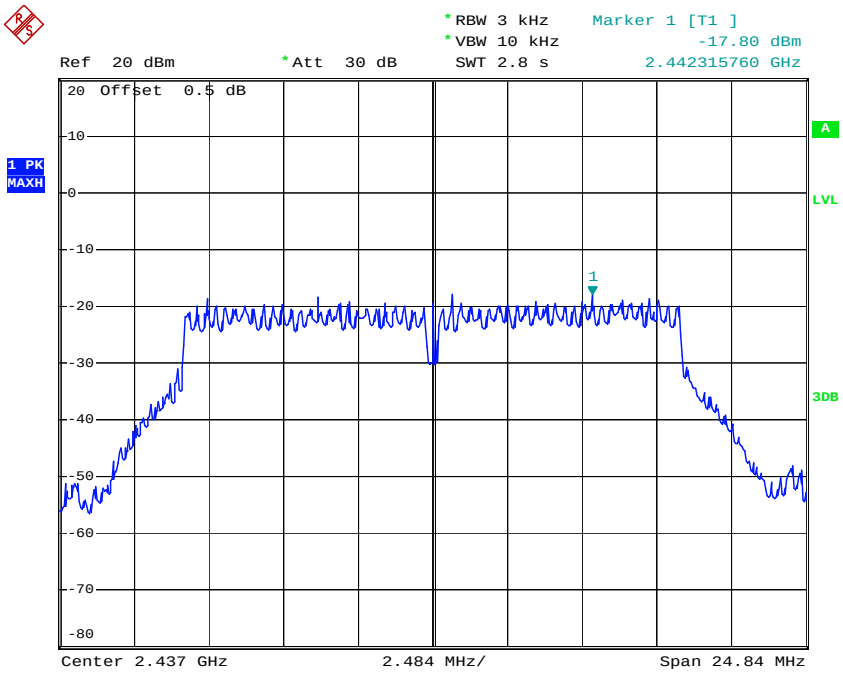
Date: 18.DEC.2018 13:28:26

Power Spectral Density, 802.11g Low Channel



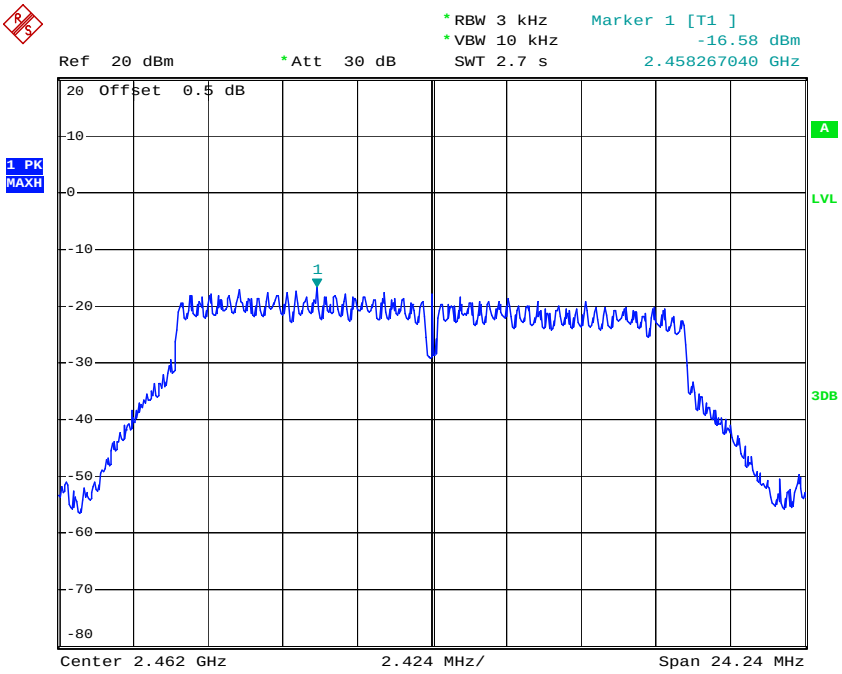
Date: 18.DEC.2018 14:02:26

Power Spectral Density, 802.11g Middle Channel



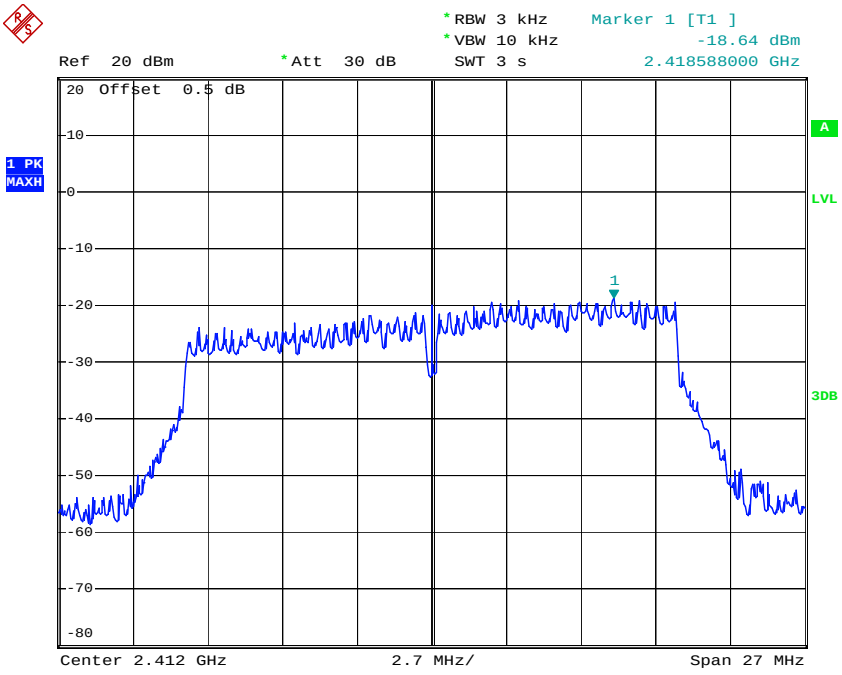
Date: 18.DEC.2018 13:49:15

Power Spectral Density, 802.11g High Channel



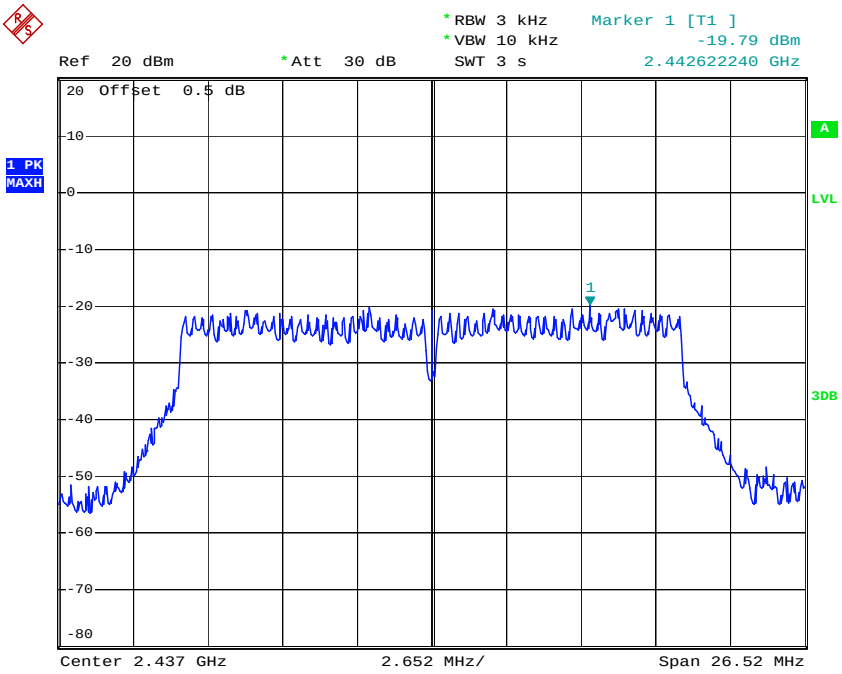
Date: 18.DEC.2018 13:51:34

Power Spectral Density, 802.11n ht20 Low Channel



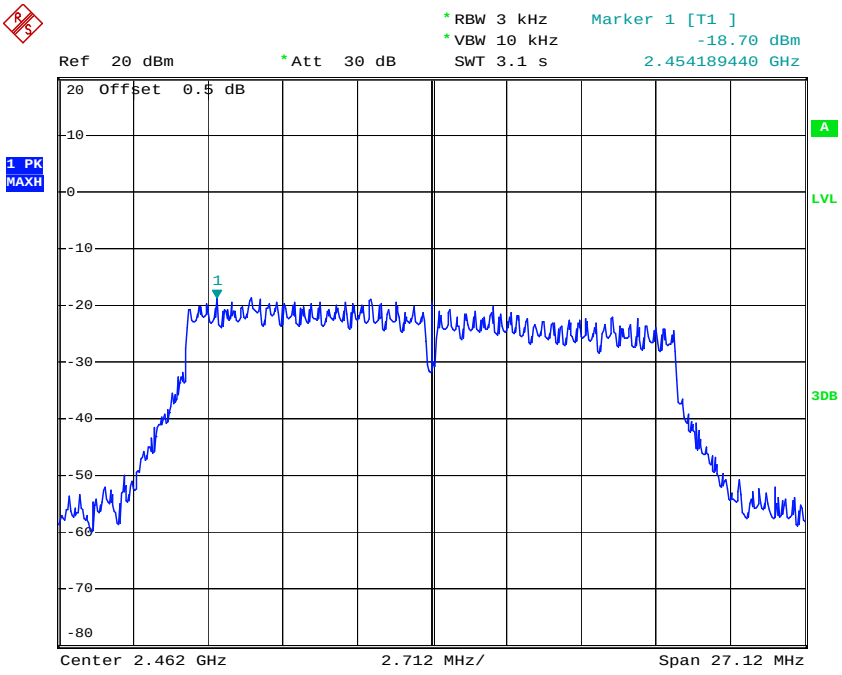
Date: 18.DEC.2018 13:57:17

Power Spectral Density, 802.11n ht20 Middle Channel



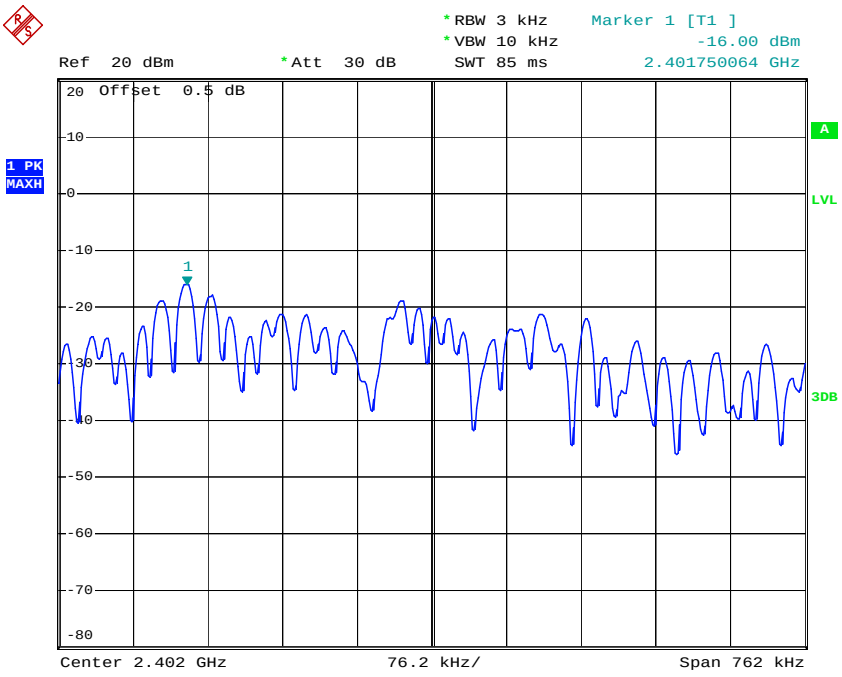
Date: 18.DEC.2018 14:05:40

Power Spectral Density, 802.11n ht20 High Channel



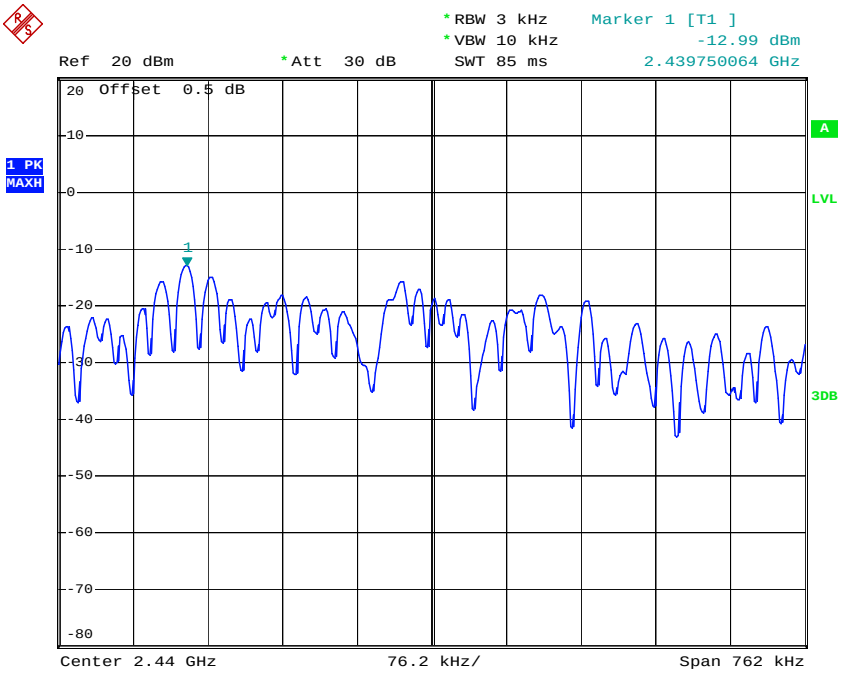
Date: 18.DEC.2018 14:09:22

Power Spectral Density, BLE Low Channel



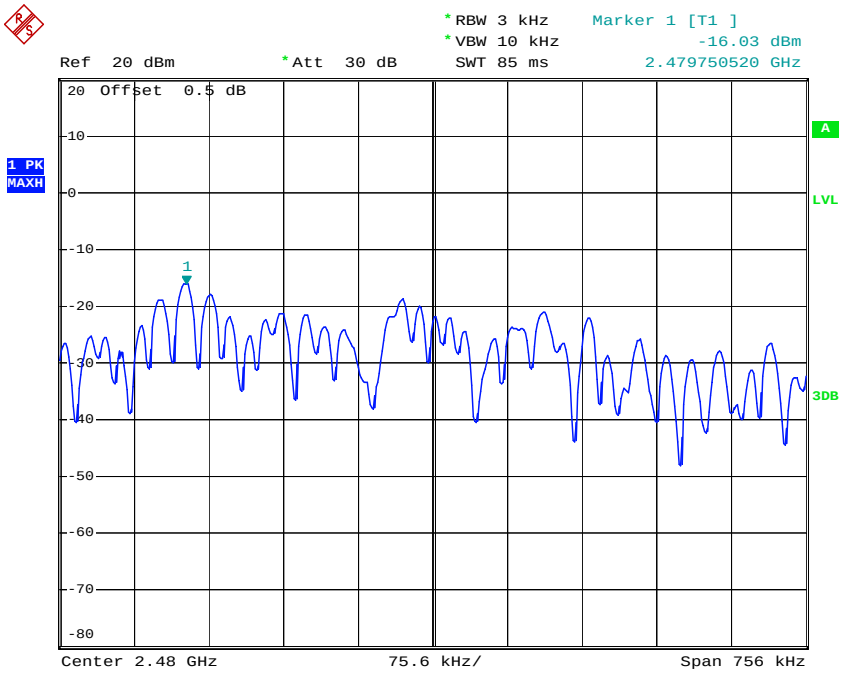
Date: 18.DEC.2018 09:48:58

Power Spectral Density, BLE Middle Channel



Date: 18.DEC.2018 09:51:08

Power Spectral Density, BLE High Channel



Date: 18.DEC.2018 09:52:47

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