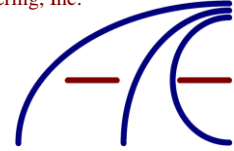




Testing Cert #1007.01

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Atlas Compliance & Engineering, Inc.

FCC Test Report

FCC CFR 47 Part 15.207, 15.209 and 15.247 COMPLIANCE

*ReZolt Corporation
1248 Reamwood Avenue
Sunnyvale, CA 94089*

*Product:
Wi-Fi Module
Model:
RZ707MS-G1N*

FCC ID: O2R-RZ707MSN
IC: 10363A-RZ707MSN
Test Report Number: 1220RZL_247
Date of Report: May 24, 2012

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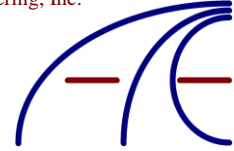
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General Information

Test Report Number: 1220RZL_247
Date Product Tested: May 8-23, 2012
Date of Report: May 24, 2012
Applicant: ReZolt Corporation
1248 Reamwood Avenue
Sunnyvale, CA 94089
Contact Person: Yang Yu
Equipment Tested: Wi-Fi Module
Trade Name: Wi-Fi Module
Model: RZ707MS-G1N
Purpose Of Test: To demonstrate the compliance of the Wi-Fi Module, RZ707MS-G1N, with the requirements of FCC CFR 47 Part 15 Rules and Regulations to the limits of Subpart C 15.207, 15.209 and 15.247 using the procedure stated in ANSI C63.4-2009 and including IC RSS-210 requirements.
Frequency Range Investigated: 26 MHz to 24.835 GHz
FCC ID: O2R-RZ707MSN
IC: 10363A-RZ707MSN
Test Site Locations: Field Strength Measurement Facility:
Atlas Compliance & Engineering, Inc.
726 Hidden Valley Road
Royal Oaks, California 95076
Industry Canada test site file number IC 3655B-1,
Conducted Interference Measurement Facility:
Atlas Compliance & Engineering, Inc.
1792 Little Orchard Street
San Jose, California 95125
Test Personnel: Bruce Smith
EMC Engineer



Test Equipment

The following list contains the test equipment that was utilized in making the measurements in this report.

Description _ Model	Serial	Manufacturer	Calibration Due
BiLog Antenna _ CBL6112B	2783	Chase Electronics Ltd.	11/9/12
Active Loop Antenna _ 6502	9108-2669	EMCO	5/1/13
Double Ridge Guide Horn Antenna _ 3115	9003-3340	EMCO	2/14/13
LISN _ 3825/2	9007-1683	EMCO	8/22/13
Standard Gain Horn Antenna _ 3160-09	00057143	EMCO	1/22/13
RG8 Cable 75 ft.	0005	Belden	3/1/14
RG8 Cable 45 ft.	0006	Belden	10/6/12
RG8 Cable 20 ft.	0008	Belden	10/6/12
RG-316 DS Cable 24 inch SMA	0010	Amphenol	3/14/13
1.32mm OD Coax Cable 2 inch UMC	0011	Emerson	5/8/13
Attenuator SMA 2W 10dB	003	Emerson	3/14/13
Pre amp 9kHz-2GHz _ CPA9231A	3259	Schaffner	5/20/12
EMI Test Receiver 9 kHz - 2500 MHz _ ESPC	DE15934 845296/0024	Rohde & Schwarz	7/31/12
EMI Test Receiver 9 kHz - 2500 MHz _ ESPC (bat)	DE14459 843820/0015	Rohde & Schwarz	8/25/12
Pre amp 1Ghz-26.5GHz _ 8449B	3008A00910	HP	9/28/12
Spectrum Analyzer 100Hz-22GHz _ 8566B	2542A13058 (IF) 2637A03426 (RF)	HP	9/28/12
Quasi-Peak Adapter _ 85650A	2521A00716	HP	9/28/12



Test Configuration

Customer: ReZolt Corporation
Test Date: May 8-23, 2012
Specification: FCC CRF 47 Part 15.247 Limits,
ANSI C63.4-2009 Methods

EUT Description / Note:

The EUT, RZ707MS-G1N, a Wi-Fi Module, was powered up with a USB charger and in a continuous transmitting mode. The EUT was installed on an open host PCB that provided an interface to the module. EUT frequencies of operation are from 2412 to 2462 MHz.

EUT Support Program

The EUT was transmitting at full power on 2412 MHz, 2437 MHz and 2462 MHz. These frequencies were tested to find maximum emission levels, 2412 MHz was where the maximum emission level was observed. All operation modes and data rates were investigated. The worst case operational modes were tested and data reported are included in this report.

EUT Modifications for Compliance

There were no modifications performed on the EUT. The test results state the emission levels of the EUT in the condition as it was received on May 8, 2012.



EUT Support Devices

Table 1 - Support Equipment Used For Test

Model:	Description:	S/N	FCC ID#
TC U250	HTC USB AC Adapter Charger	NA	NA
RZ807AREF	Host PCB for module testing	202106	NA
Vostro 1500	Dell Laptop	36166021021	DoC

I/O Ports and Cables

Table 2 - EUT Port Termination's

I/O Port	Cable Type	Length	Connector	Termination
J1	RF + 10dB pad	20cm	U.FL to SMA	Spectrum Analyzer
Module PCB Interface	NA	NA	Solder	Host PCB

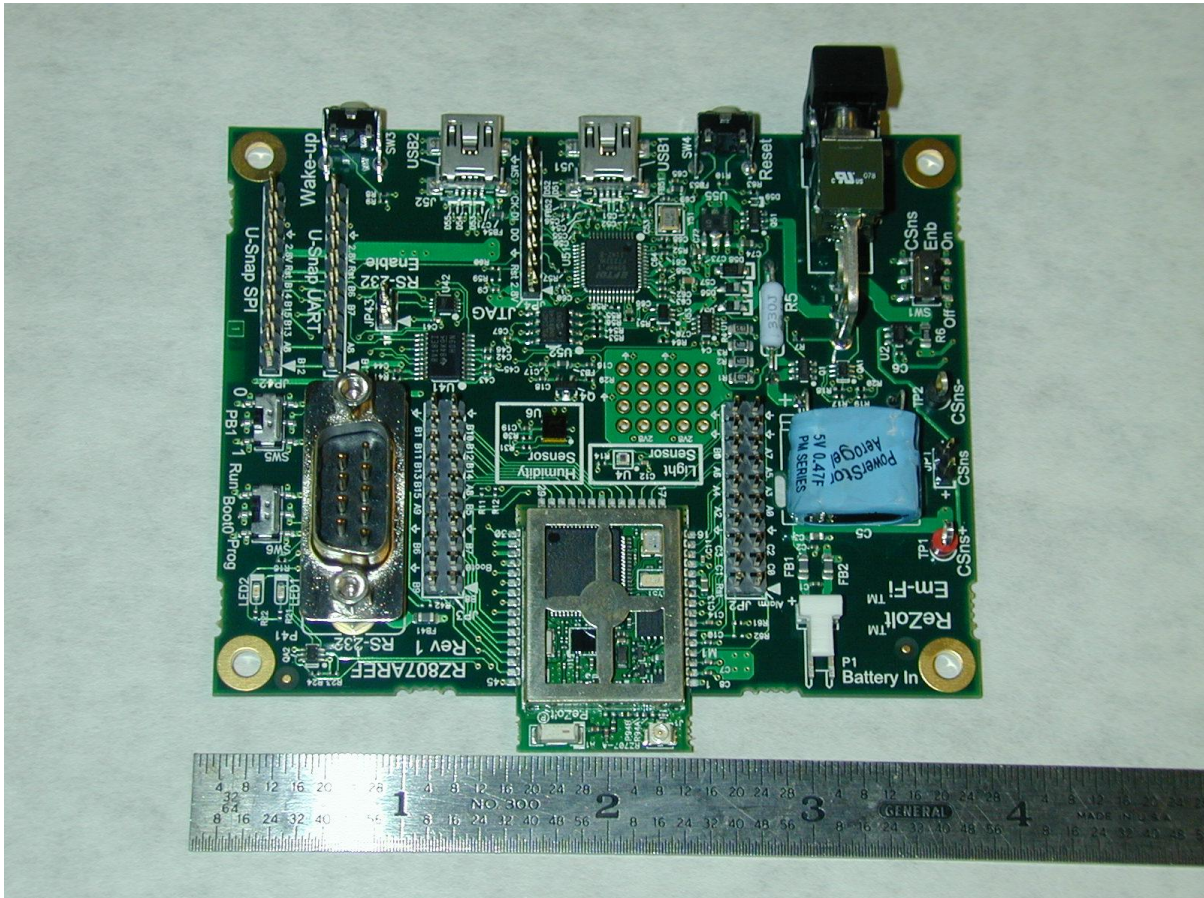
Table 3 - Host Port Termination's

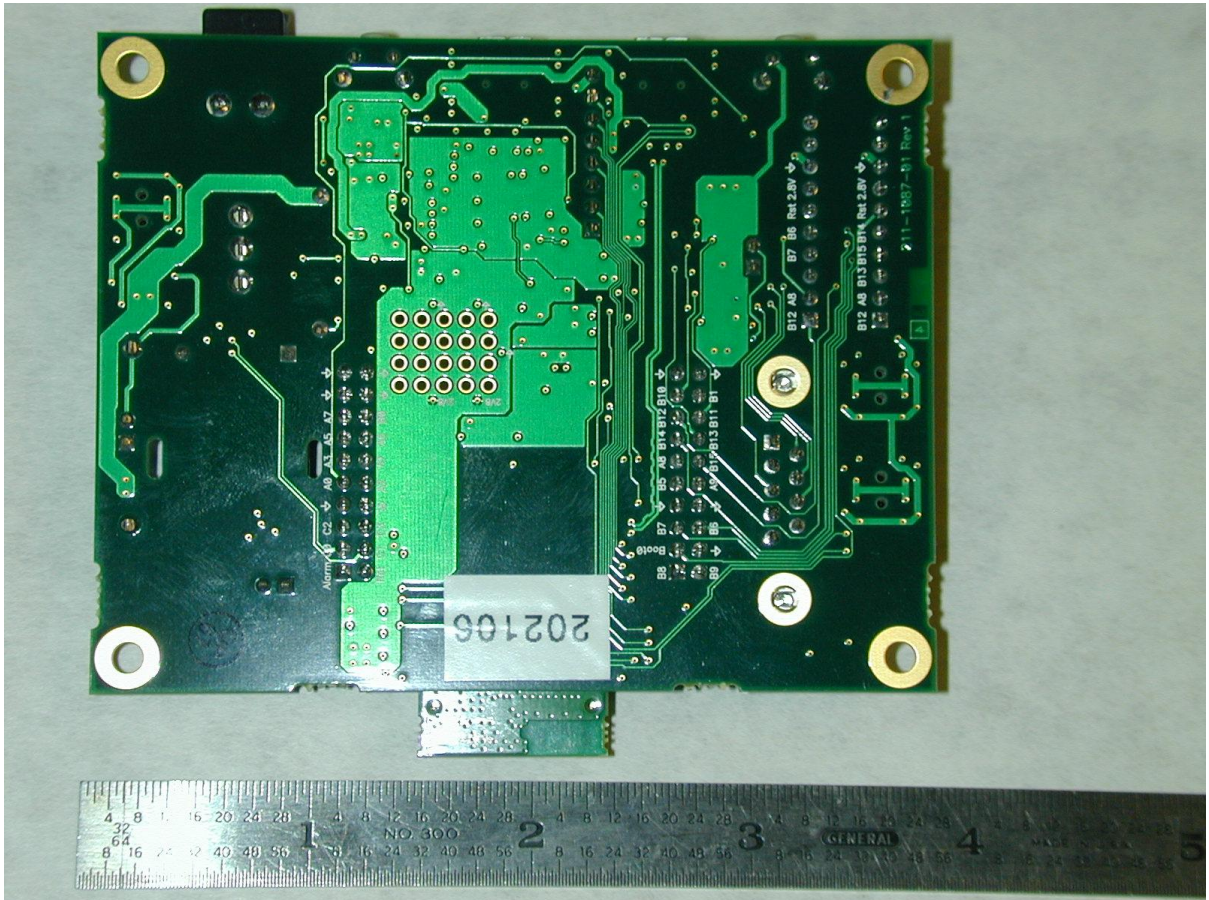
I/O Port	Cable Type	Length	Connector	Termination
USB	Shielded	1.6 meter	USB	Host
USB	Shielded	1.6 meter	USB	Laptop

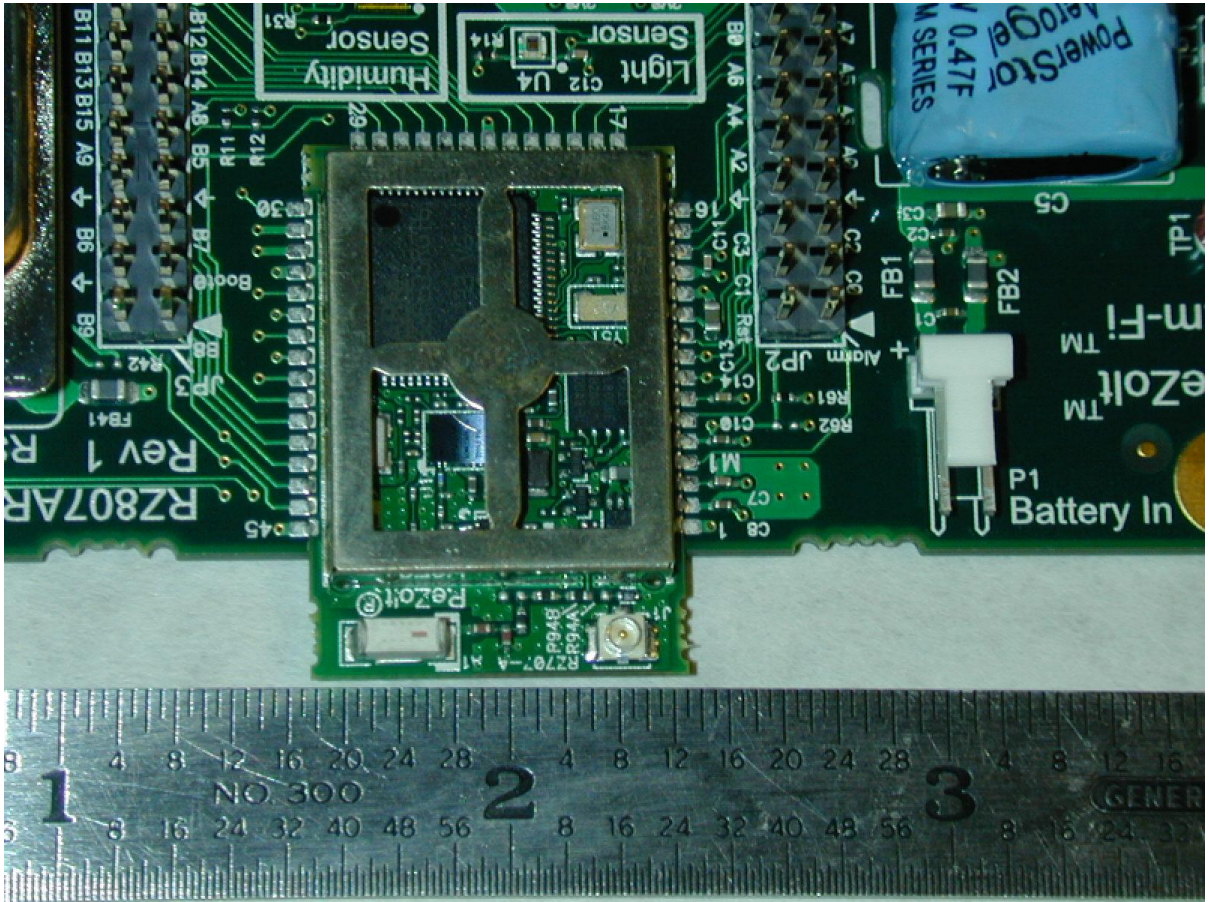


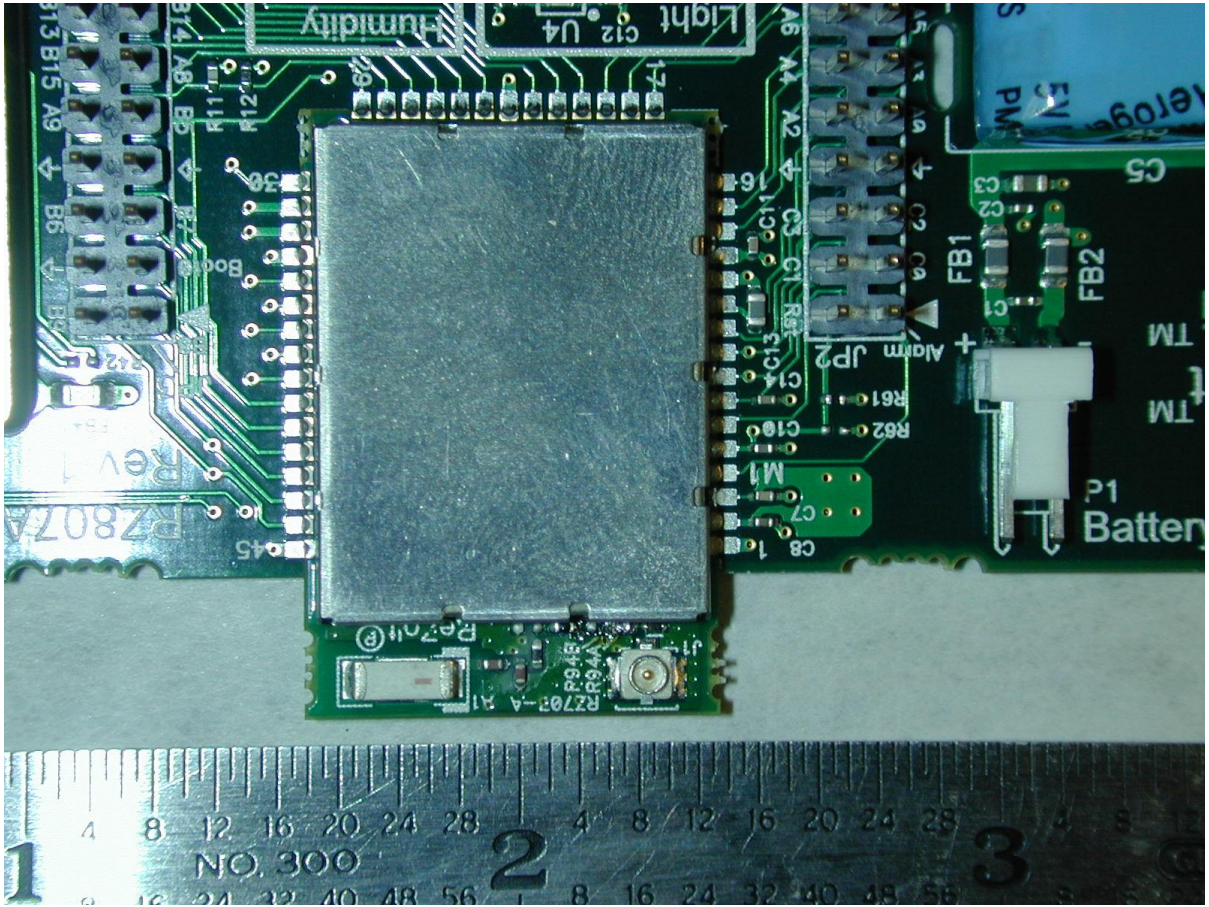
Equipment Under Test

The photographs below show the condition of the EUT for test.



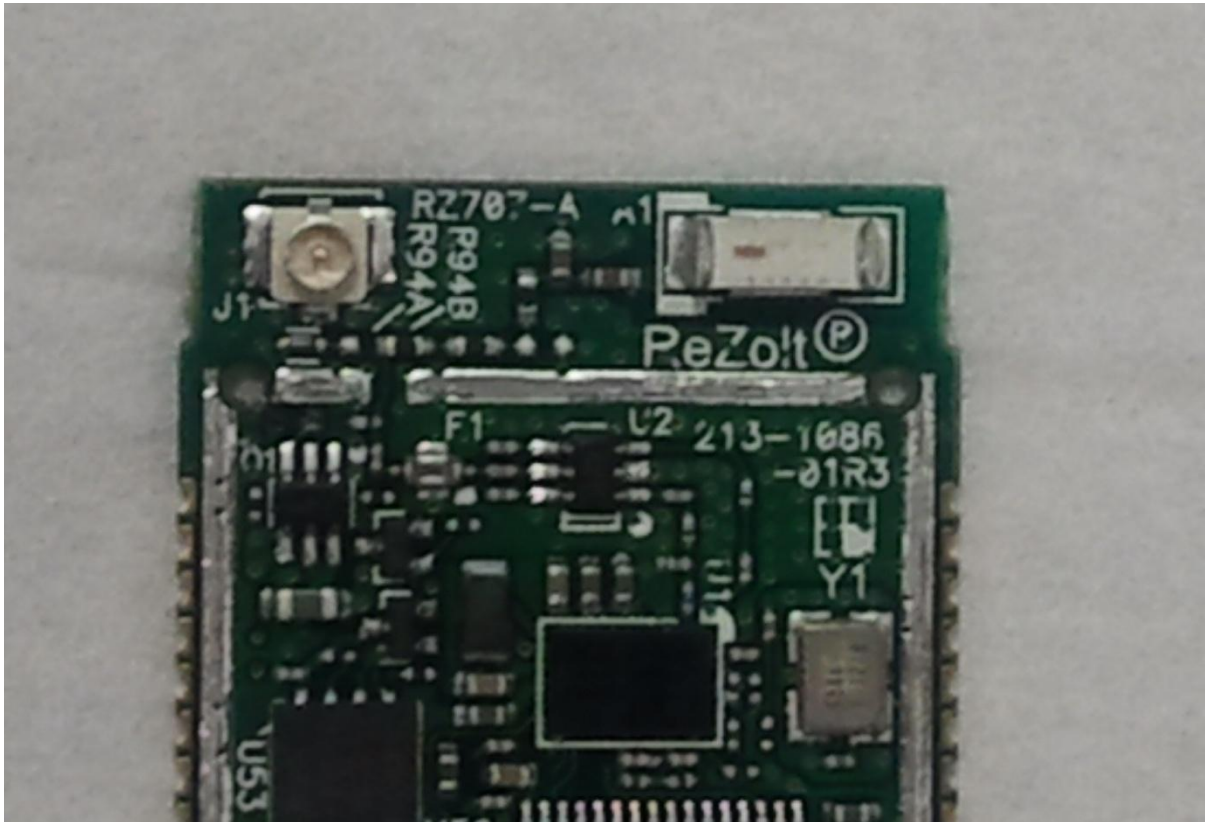










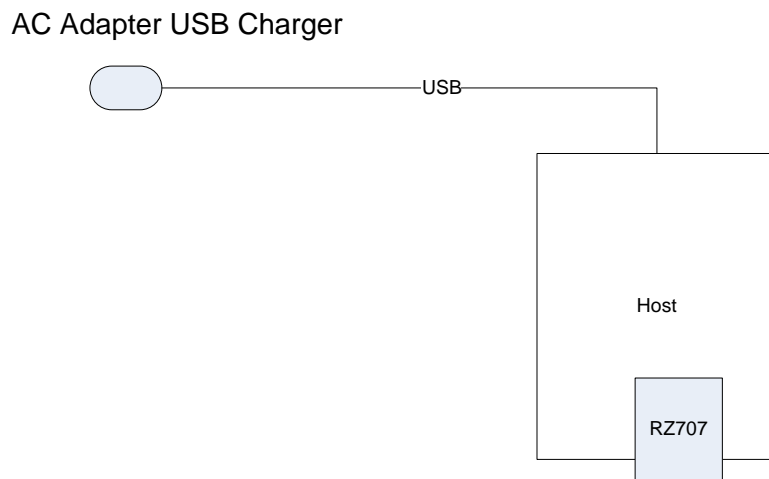




Equipment Block Diagram

Following is the block diagram of the test setup. Refer to TEST CONFIGURATION pages for port connections and information.

Figure 1 - Test Setup Diagram



**EUT:
RZ707**



Test Setup (Radiated Emissions)

The photographs below show the test setup for radiated emission testing.





Test Setup (Radiated Emissions)

The photographs below show the test setup for radiated emission testing.





Test Setup (Radiated Emissions)

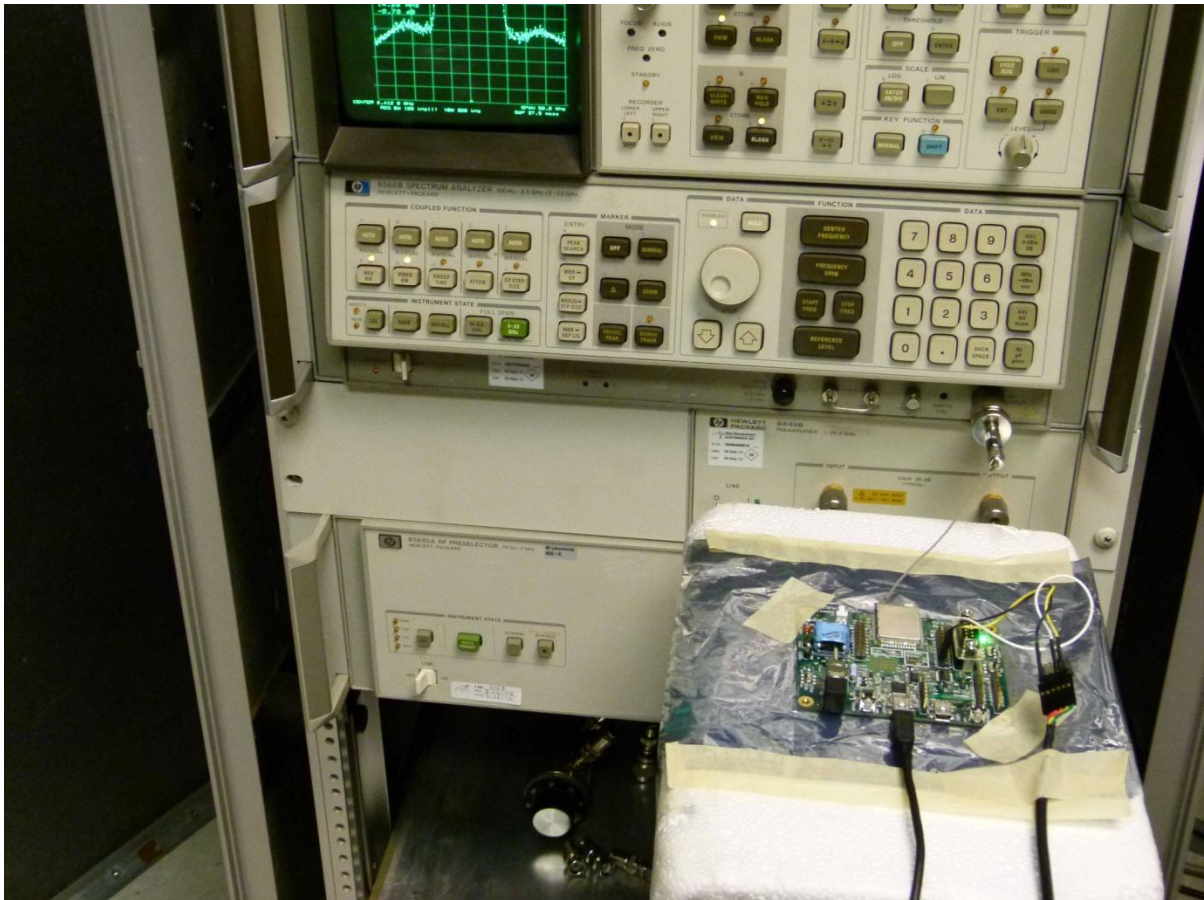
The photographs below show the test setup for radiated emission testing.





Test Setup (Conducted RF)

The photographs below show the test setup for conducted RF testing.





Test Setup (Conducted Emissions)

The photograph below shows worst case setup for line conducted testing.





Test Methods for Emissions

The test procedure stated in ANSI C63.4-2009 and FCC 558074 D01 DTS Meas Guidance v01 was used to collect the test data. The emission data of the EUT was taken with the Rohde & Schwarz EMI Test Receiver and HP 8566B. Incorporating the application of correction factors programmed into the Test Receiver and verified for distance, antenna, cable loss, and amplifier gain, the data was reduced as shown in the Sample Calculations. These correction factors are available upon request. The corrected data was then compared to the emission limits to determine compliance.

During radiated emission testing, the EUT was placed on a nonconductive rotating table 0.8 meter above the conductive grid. The nonconductive table dimensions were 1 meter deep by 1.5 meters wide at 0.8 meter high. The EUT is centered on the tabletop and the measurement antenna was placed 10 or 3 meters from the EUT as noted in the test data. The EUT was tested in 3 orthogonal axes to determine which attitude produced the highest emission.

For emissions testing, scans in the frequency range of 26 MHz to 24.835 GHz were made. Measurement bandwidths and detectors stated in ANSI C63.4 were used. Measurements above 1GHz in this report were incorporating the peak detector.

Measurements were made at a distance of 3 or 10 meters.

For conducted RF testing the procedures stated in FCC 558074 D01 DTS Meas Guidance v01 was used.

Conducted Emission Testing

For the conducted emissions testing, the EMCO LISN, Model No. 3825/2, was used for the EUT. During conducted emission testing the EUT was located on a wooden test bench measuring 0.8 meter high, 1 meter deep, and 1.5 meters in width. The vertical conducting surface was 0.4 meter from the back of the test bench. The LISNs were placed on the ground plane of the test area in accordance with ANSI C63.4-2009.

The metal plane used for conducted emission testing was grounded to the earth by a heavy gage braided wire attached to the plane. All other objects were kept a minimum of 1 meter away from the EUT during the conducted test.

For conducted emissions testing a scan of the frequency band 150 kHz to 30 MHz was made stepping every 5 kHz. Each frequency was measured at a bandwidth of 10 kHz for 20 msec. Due to the narrow specification of a 6 dB drop, the 10 kHz bandwidth meets the requirements of CISPR 16, band B (150 kHz to 30 MHz) and VDE 0876 as well as of various military standards that require tolerances of 10% for a 10 kHz measurement bandwidth. All readings within 25 dB of the limits were recorded, and those emissions were then measured using the CISPR quasi-peak and average detectors at a bandwidth of 10 kHz for a 2 second measurement time. All emissions within 6 dB of the limit were examined with additional measurements to ensure compliance with the FCC 15.207 limits. The results of the conducted emissions test are shown in Tables 8 and 9 and Figures 3 and 4.



Temperature and Humidity

The ambient temperature of the actual EUT was within the range of 10° to 40° C (50° to 104° F) unless the particular equipment requirements specify testing over a different temperature range. The humidity levels were within the range of 10% to 90% relative humidity unless the EUT operating requirements call for a different level.

Sample Calculations

An example of how the EMI Test Receiver reading is converted using correction factors is given for the emissions recorded in Table 6. These correction factors are programmed into the EMI Test Receiver and verified. For radiated emissions in dB μ V/m, the EMI Test Receiver reading in dB μ V is corrected by using the following formula:

38.18	Meter Reading (dB μ V/m)
30.13	- Pre amp Gain (dB)
1.74	+ Cable Loss (dB)
11.2	+ Antenna Factor (dB)
20.99	= Corrected Reading (dB μ V/m)

This reading is then compared to the applicable specification limits and the difference will determine compliance.



FCC Part 15 Subpart C 15.207 and 15.209 Limits

Table 4 - Conducted Limits

Frequency MHz	Limit Quasi-Peak dB μ V	Limit Average dB μ V
0.15-0.50	66-56	56-46
0.50-5	56	46
5-30	60	50

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Both Quasi-Peak and Average limits for power line conducted testing must be met.
3. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

Table 5 - Radiated Emission Limits, General Requirements

Frequency MHz	Field Strength μ V/m	Measurement Distance Meters
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30 – 88	100	3
88 – 216	150	3
216 – 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closest point of any part of the device or system.
3. The level of any unwanted emissions from an intentional radiator operating under these general provisions shall not exceed the level of the fundamental emission.
4. The emission limits shown are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.



Report of Measurements Radiated Data

Radiated emissions measurements were performed from 26 MHz to 30 MHz at 3-meter distance. The loop antenna was placed at 1-meter height and was rotated about its vertical axis. The EUT was also rotated 360 degrees in front of the antenna, all three orthogonal planes were scanned. No emissions were observed from the EUT in this frequency range.

Measurements were performed in the frequency range of 30 MHz to 1 GHz at 10-meter distance. The Bilog antenna was searched from 1 to 4 meters in height in both horizontal and vertical orientation. The EUT was also rotated 360 degrees in front of the antenna, all three orthogonal planes were scanned.

Measurements were performed in the frequency range of 1 GHz to 24.835 GHz at 3-meter distance. The EUT was also rotated 360 degrees in front of the antenna, all three orthogonal planes were scanned. Only the second harmonics of the transmitter was observed, all others were baseline of the noise floor measurements. Measurements above 18 GHz were performed as exploratory at a much closer distance with the standard gain horn. No emissions were observed above the second harmonic of the fundamental frequency, 2412 MHz.

Exploratory radiated emissions measurements of the transmitter frequencies were made in all three orthogonal planes to determine the maximum transmit level of the EUT. The transmit frequencies of 2412 MHz was determined to be the highest level. With the antenna in horizontal orientation and the EUT in the Z-plane, as shown below, the highest level was recorded.



X-Plane



Y-Plane



Z-Plane



Frequency Stability

IC RSS Gen states frequency stability is a measure of frequency drift due to temperature and supply voltage variations with reference to the frequency measured at an appropriate reference temperature and the rated supply voltage.

(a) at temperatures of -30°C , $+20^{\circ}\text{C}$ and $+50^{\circ}\text{C}$, and at the manufacturer's rated supply voltage; and

(b) at a temperature of $+20^{\circ}\text{C}$ and at ± 15 percent of the manufacturer's rated supply voltage.

FCC 15.31(e) specifies – For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. For battery operated equipment, the equipment tests shall be performed using a new battery.

Measurements were performed with the stated voltage variation and temperature changes and no drift of the fundamental was observed.

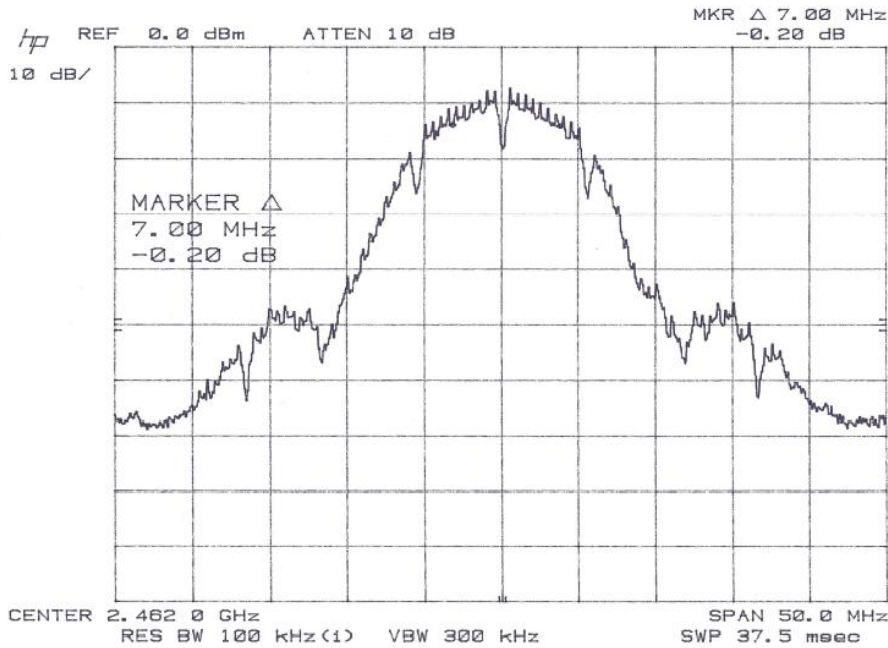
RF Exposure

This device Complies with RF Electrical Safety pursuant to OET guide 65 sup C and KDB publication 447498. This device is exempt from MPE or SAR testing since it is below the threshold.



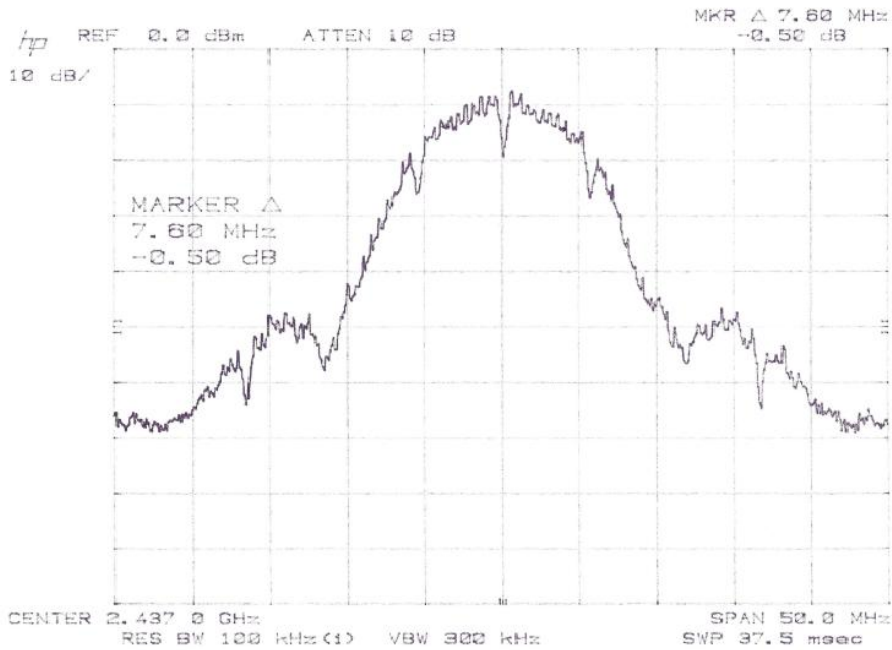
Report of Measurements 6dB Emission Bandwidth Data

15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Highest Chanel 1 Mbps CCK



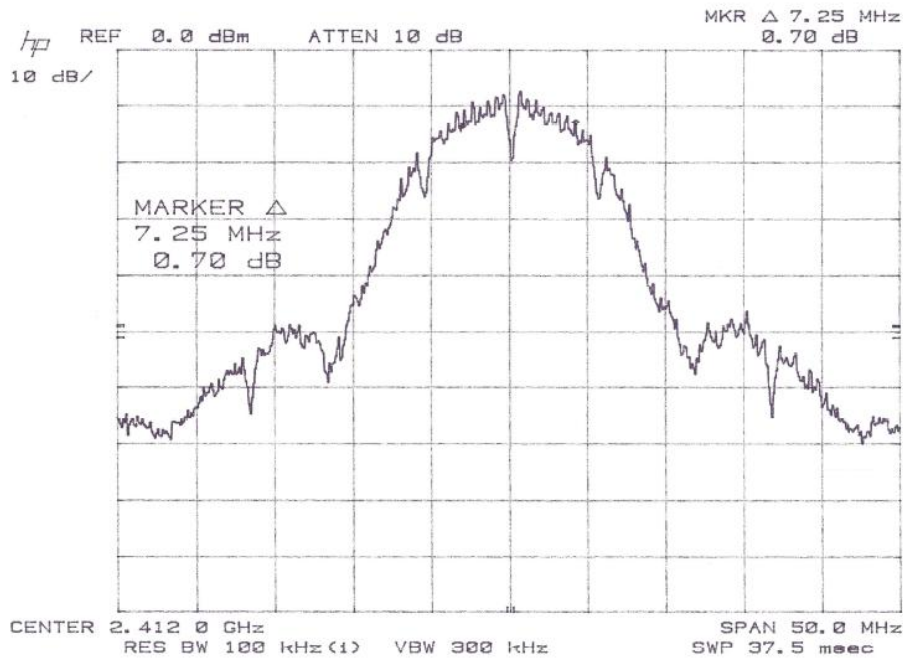


15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01. **Middle Chanel 1 Mbps CCK**



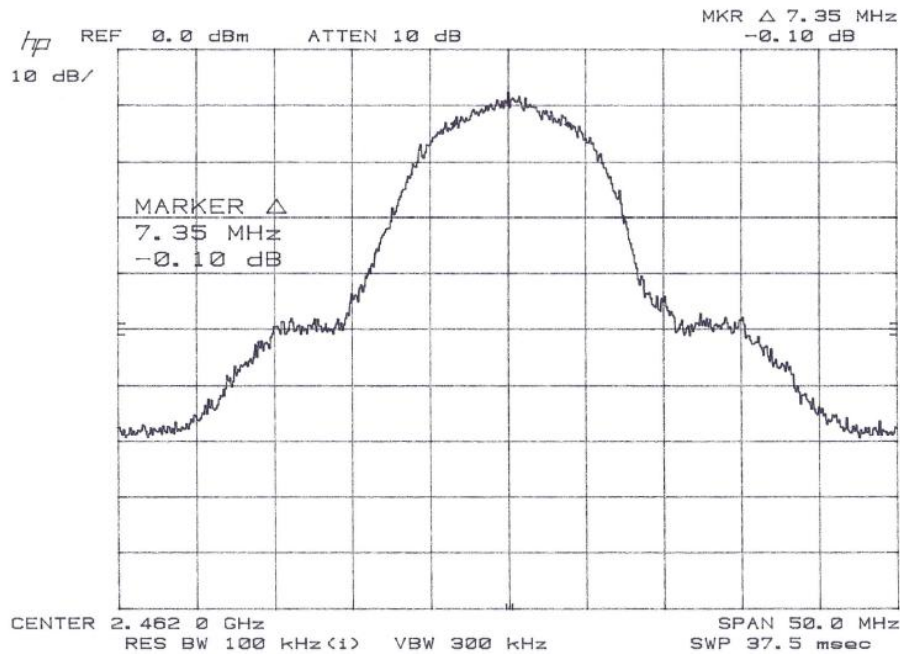


15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Lowest Chanel 1 Mbps CCK



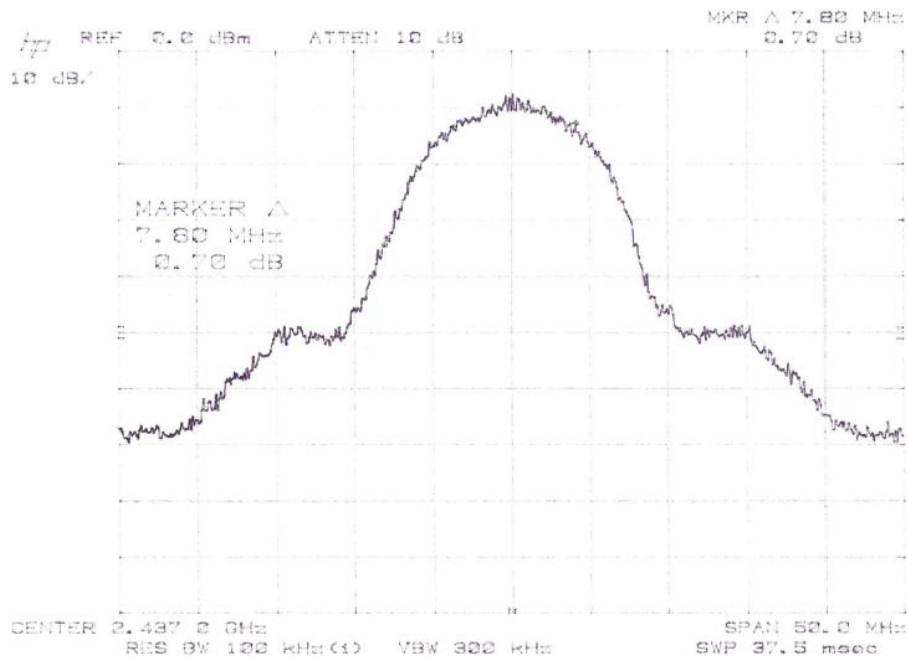


15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Highest Chanel 11 Mbps BPSK



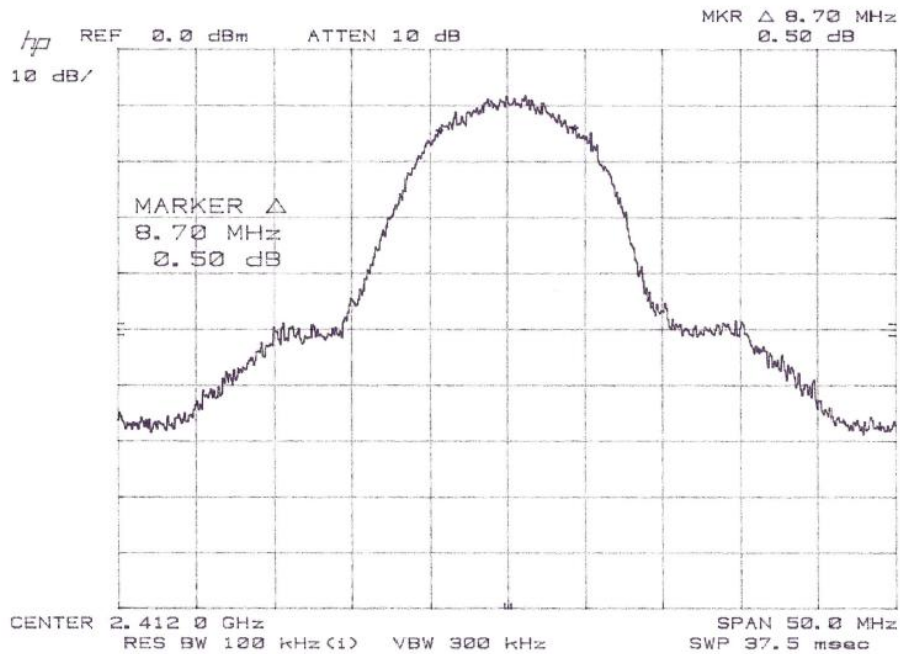


15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01. **Middle Chanel 11 Mbps BPSK**



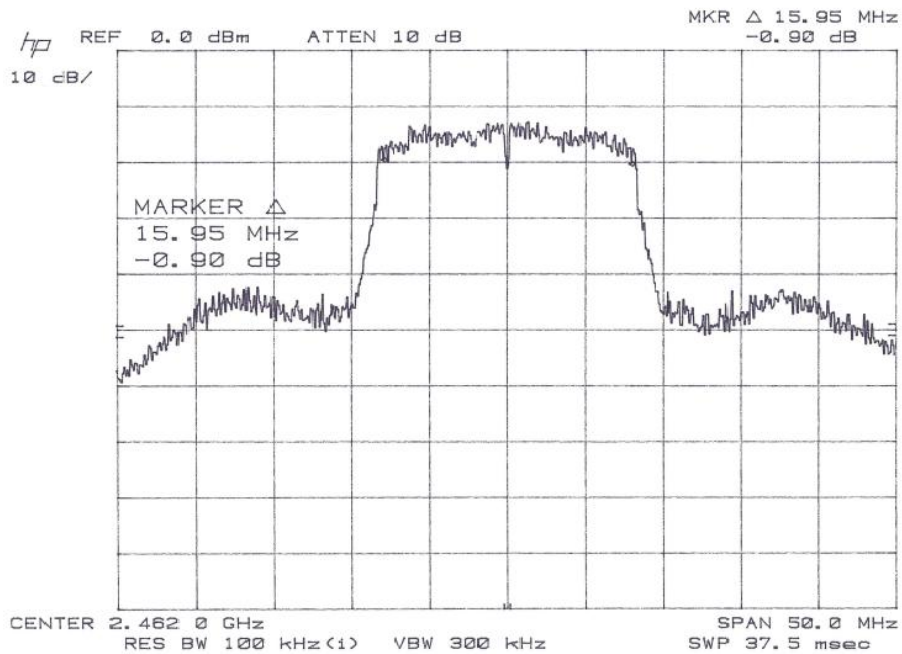


15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01. **Lowest Chanel 11 Mbps BPSK**



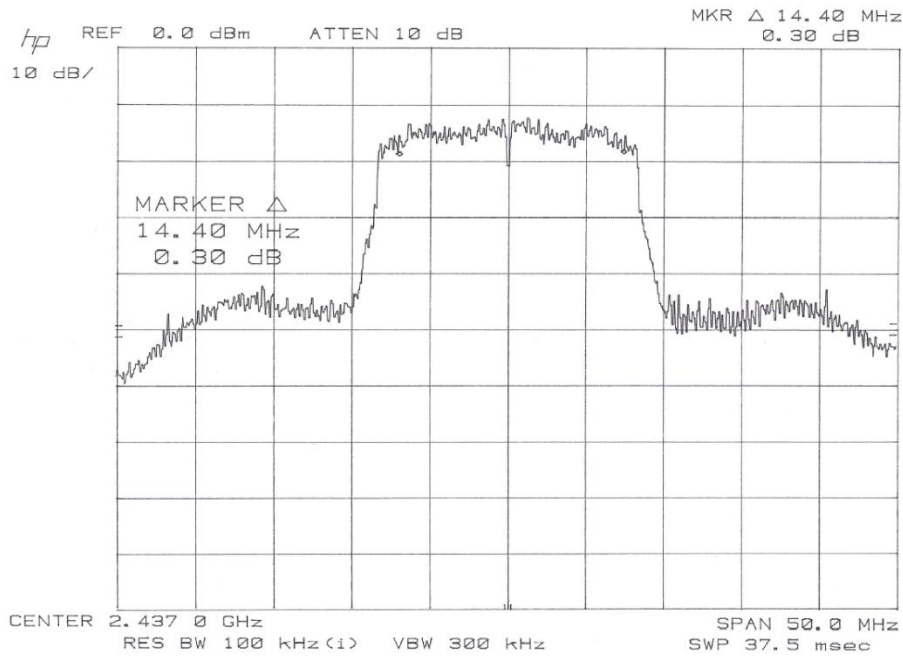


15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Highest Chanel 54 Mbps 64-QAM



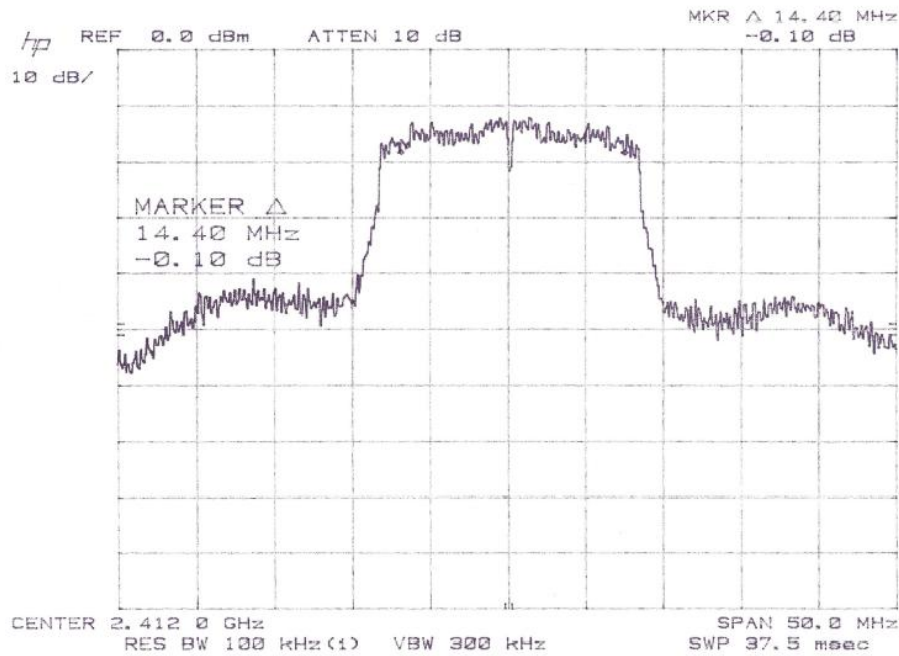


15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01. **Middle Chanel 54 Mbps 64-QAM**



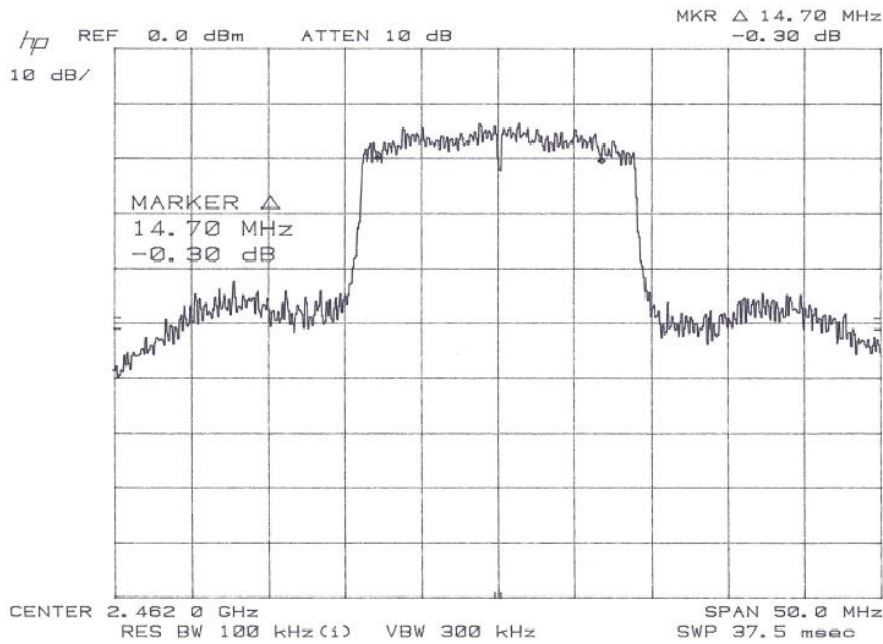


15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Lowest Chanel 54 Mbps 64-QAM



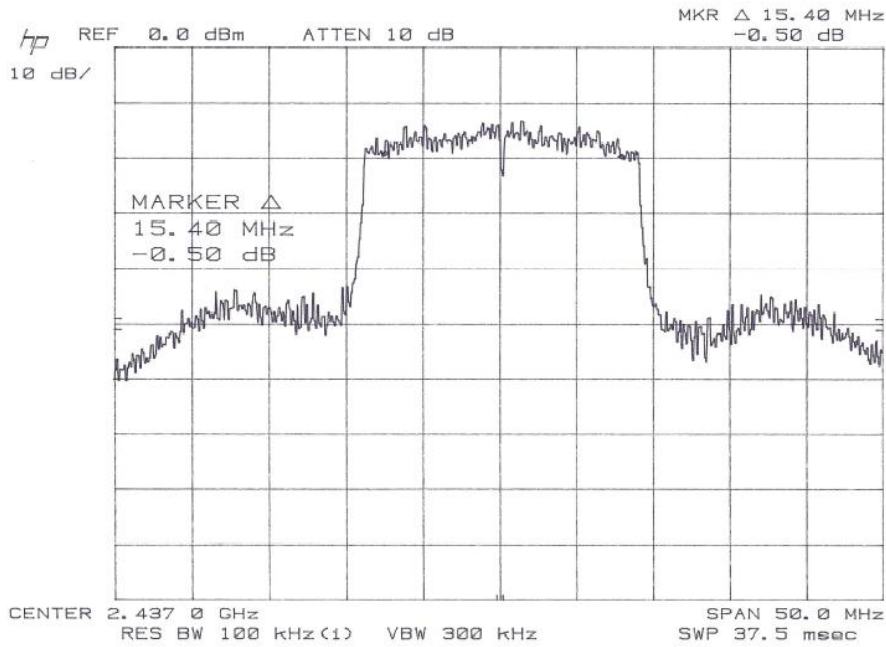


15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Highest Chanel 58.5 Mbps 64-QAM



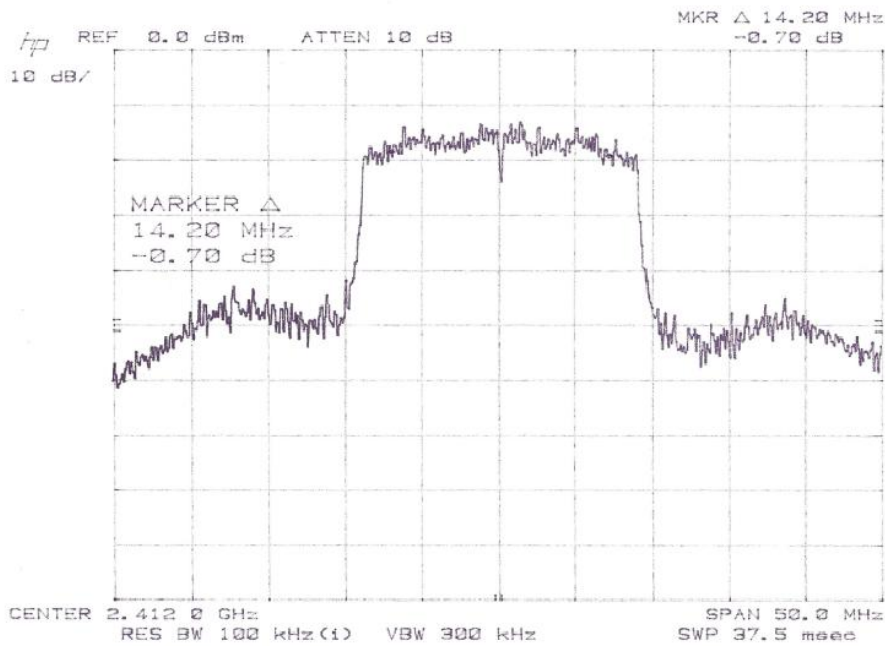


15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01. **Middle Chanel 58.5 Mbps 64-QAM**





15.247(a)(2) specifies that the minimum 6 dB bandwidth shall be at least 500 kHz. The following plots report the results of the 6dB bandwidth measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Lowest Chanel 58.5 Mbps 64-QAM

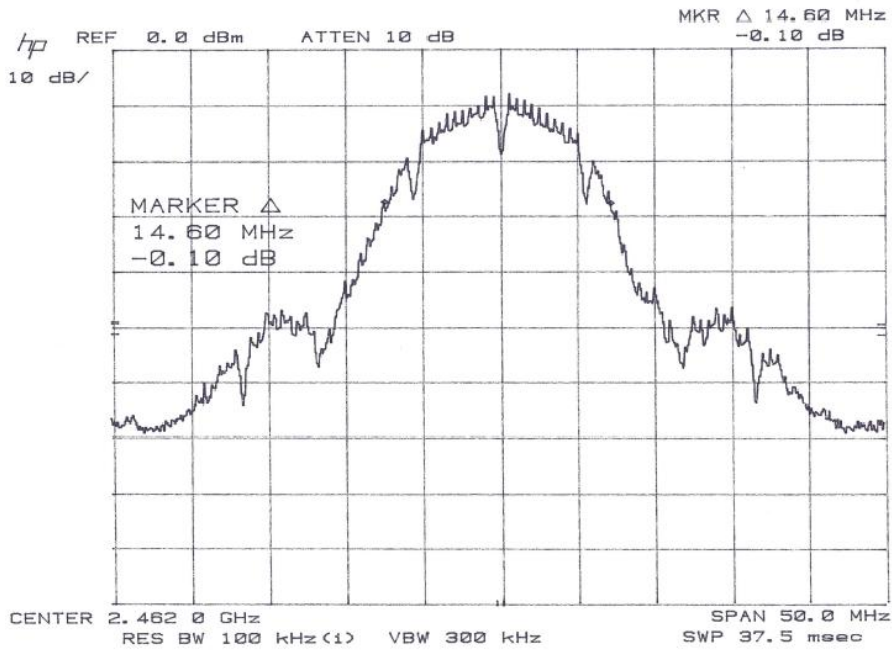




Report of Measurements 20dB Emission Bandwidth Data

RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

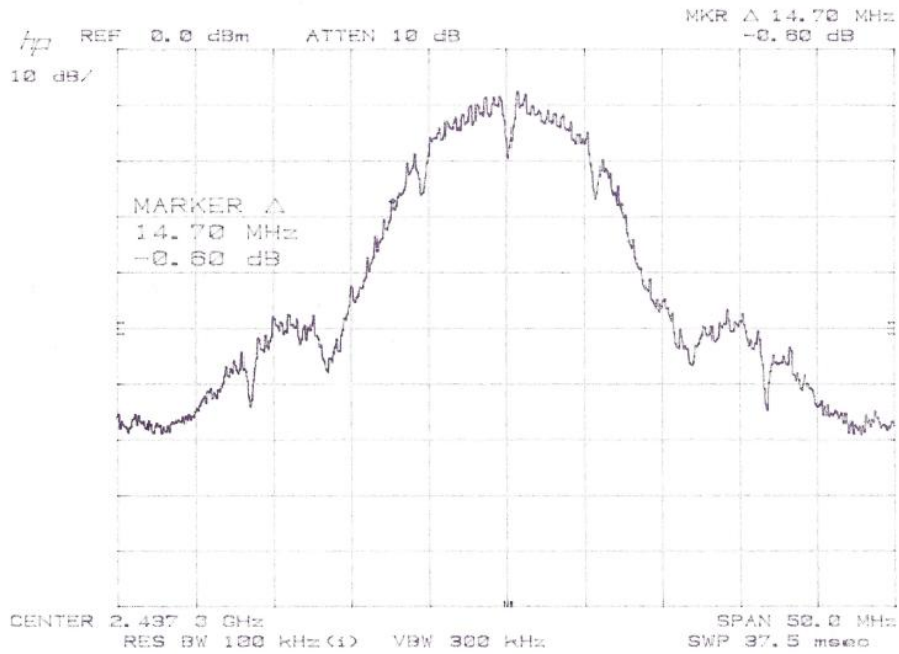
Highest Chanel 1 Mbps CCK





RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

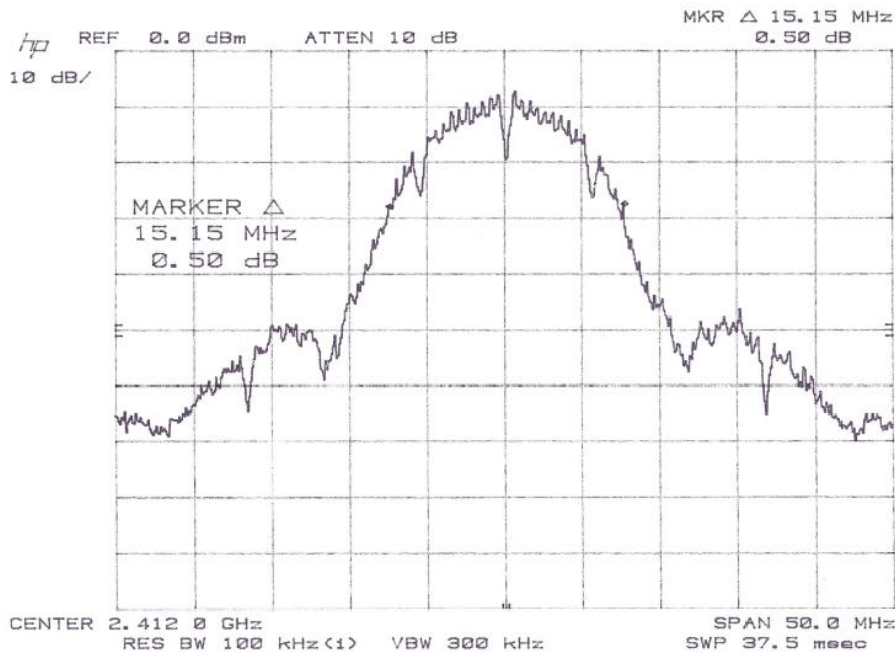
Middle Chanel 1 Mbps CCK





RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

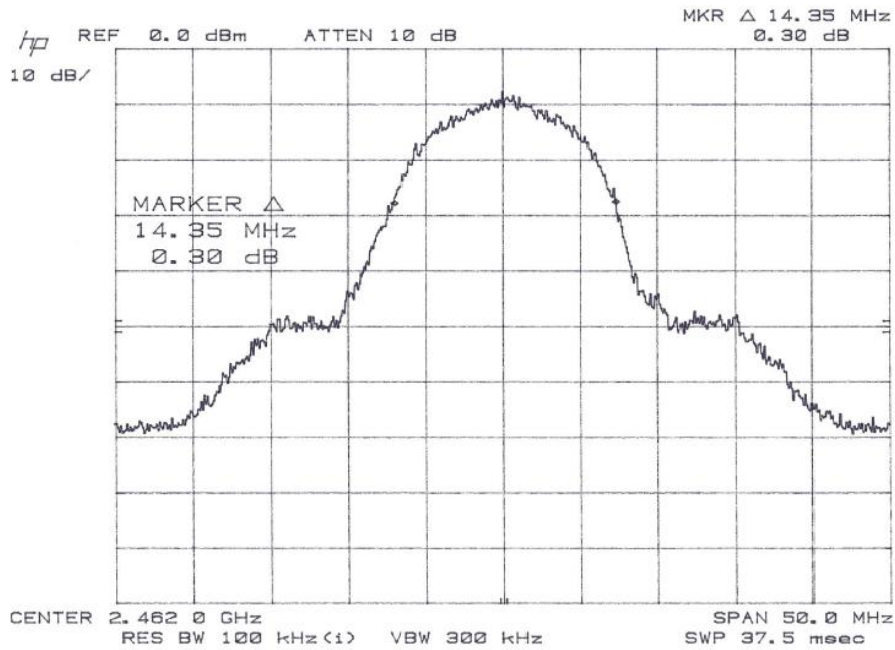
Lowest Chanel 1 Mbps CCK





RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

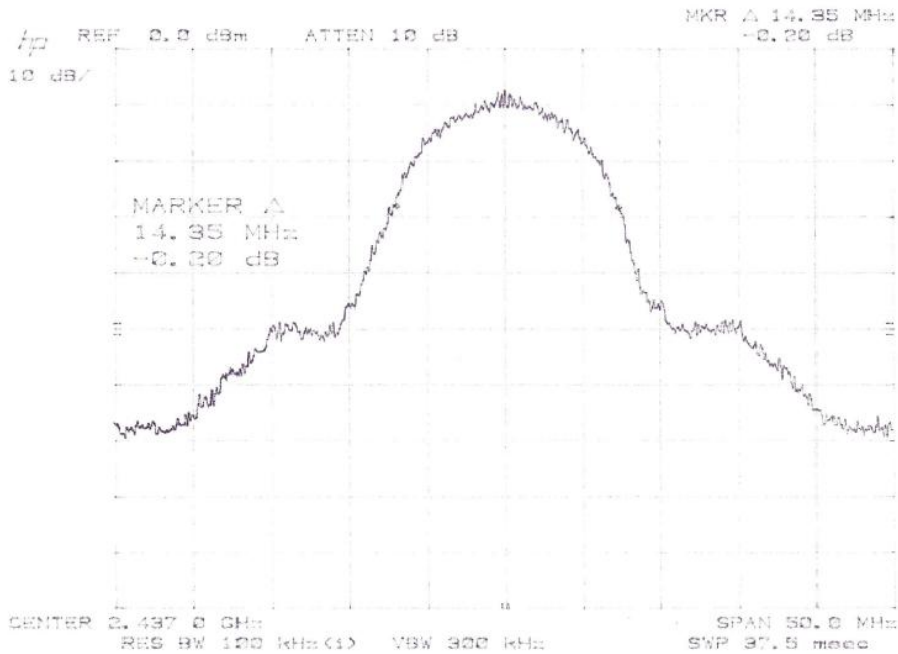
Highest Chanel 11 Mbps BPSK





RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

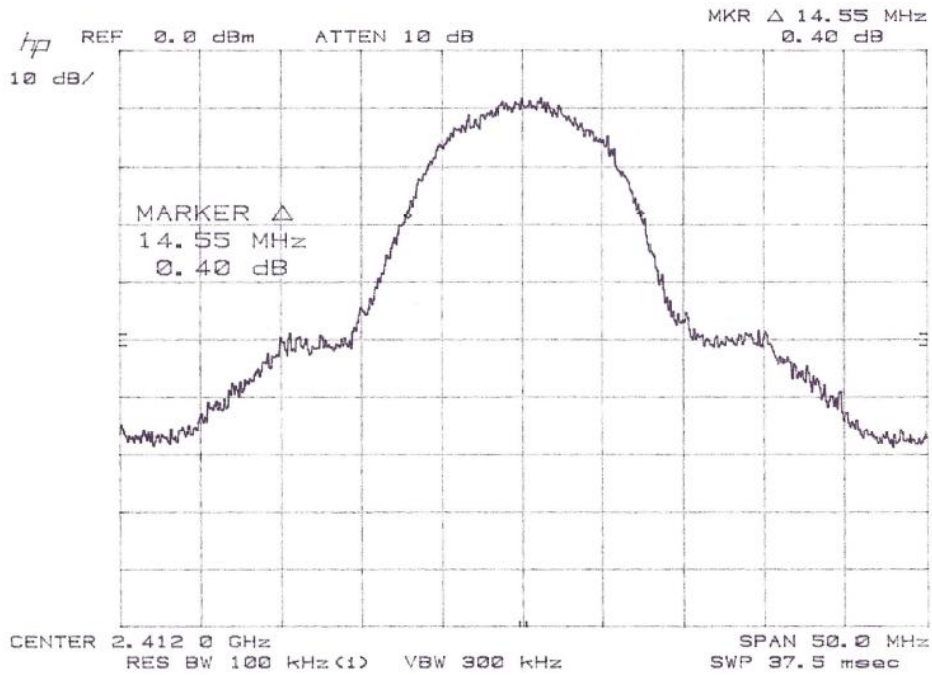
Middle Chanel 11 Mbps BPSK





RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

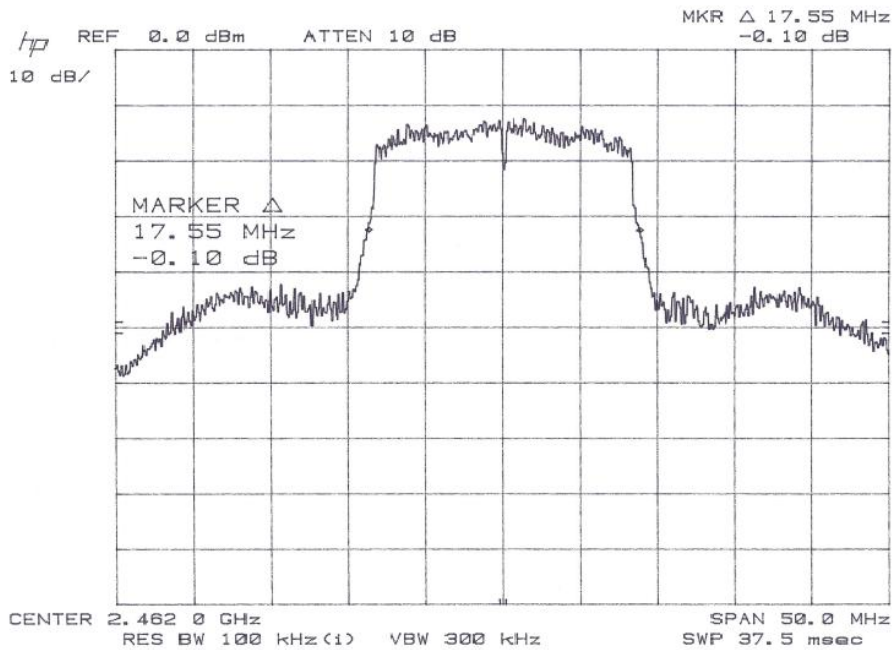
Lowest Chanel 11 Mbps BPSK





RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

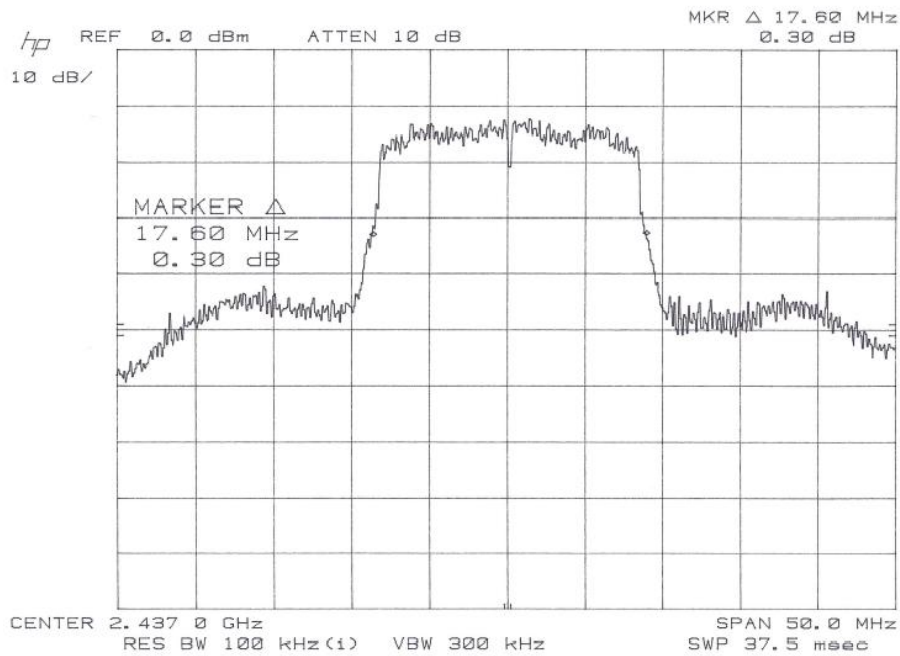
Highest Chanel 54 Mbps 64-QAM





RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

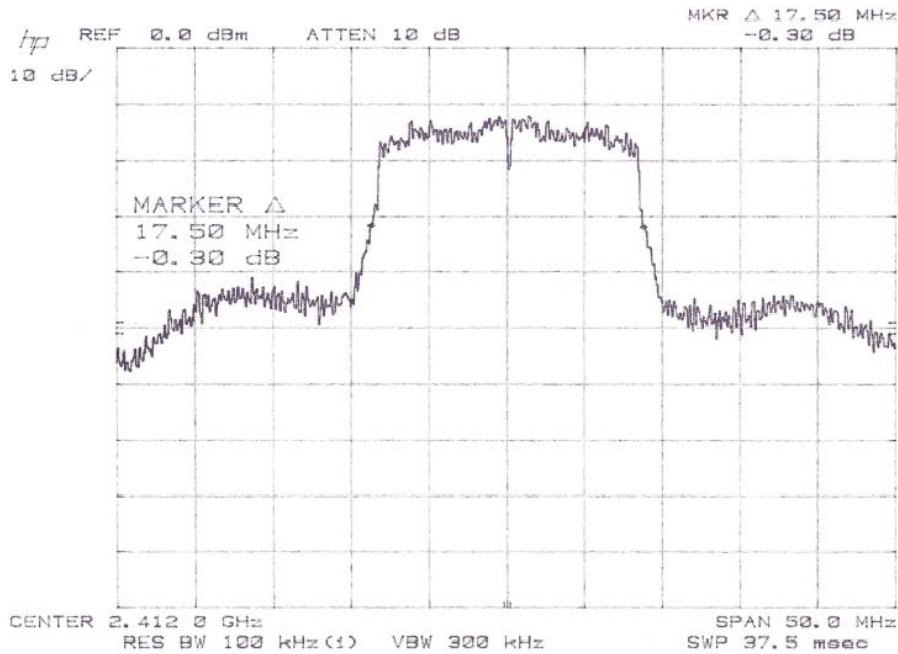
Middle Chanel 54 Mbps 64-QAM





RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

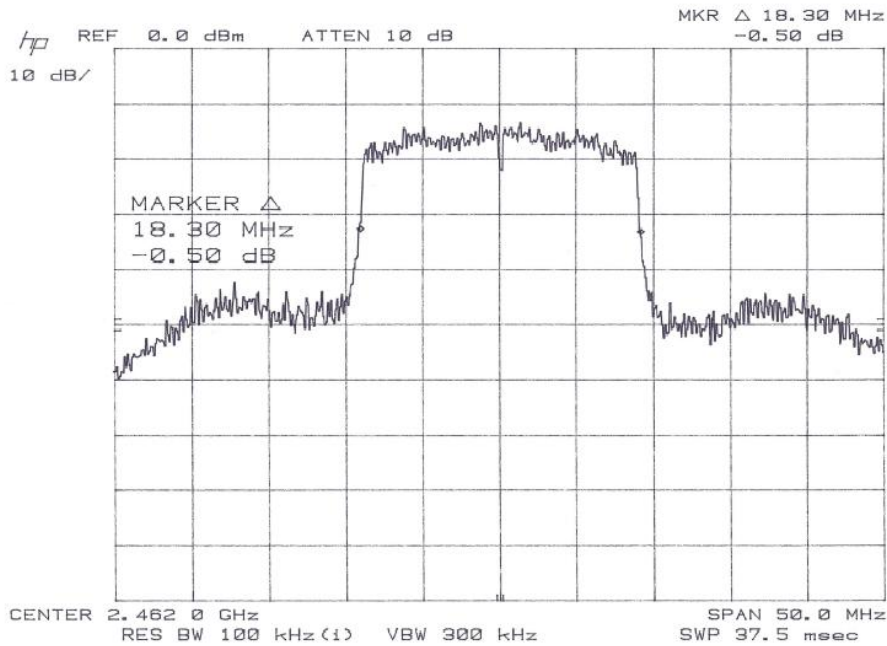
Lowest Chanel 54 Mbps 64-QAM





RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

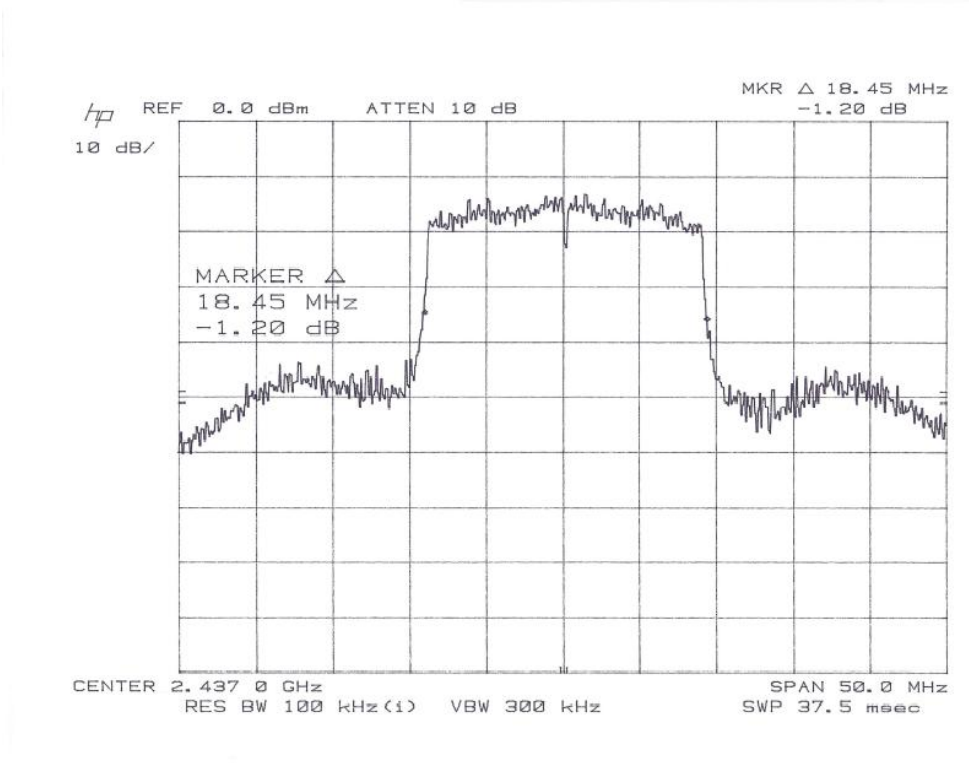
Highest Chanel 58.5 Mbps 64-QAM





RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

Middle Chanel 58.5 Mbps 64-QAM





RSS-Gen specifies When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

Lowest Chanel 58.5 Mbps 64-QAM

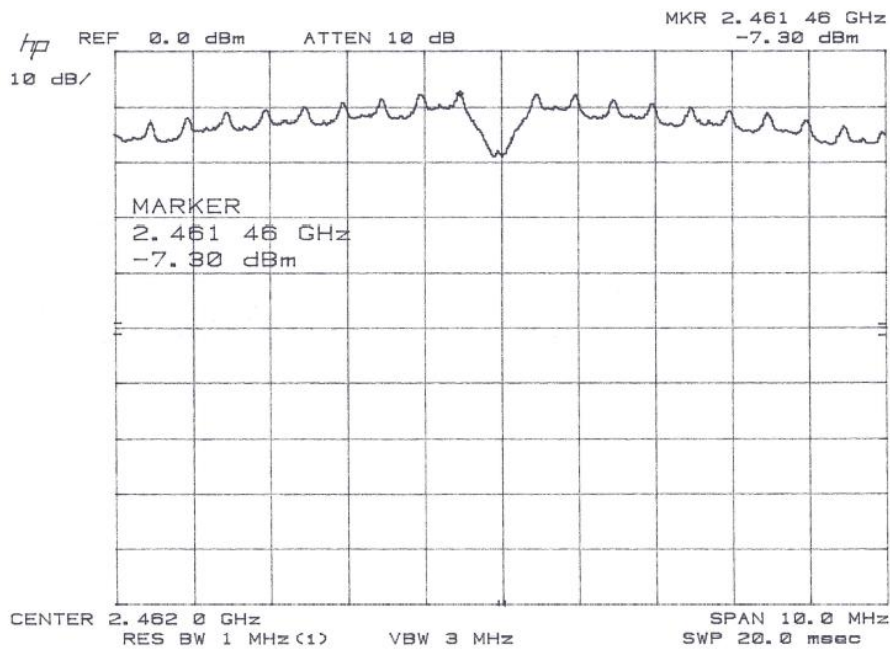




Report of Measurements Fundamental Emission Output Power Data – Peak Detector

15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots and tables report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Highest Chanel 1 Mbps CCK



Measured dBm	Cable/Pad	Corrected dBm
-10.8	10.5	-0.3
-9.8	10.5	0.7
-8.3	10.5	2.2
-7.3	10.5	3.2
-7.4	10.5	3.1
-8.4	10.5	2.1
-9.7	10.5	0.8
-10.7	10.5	-0.2

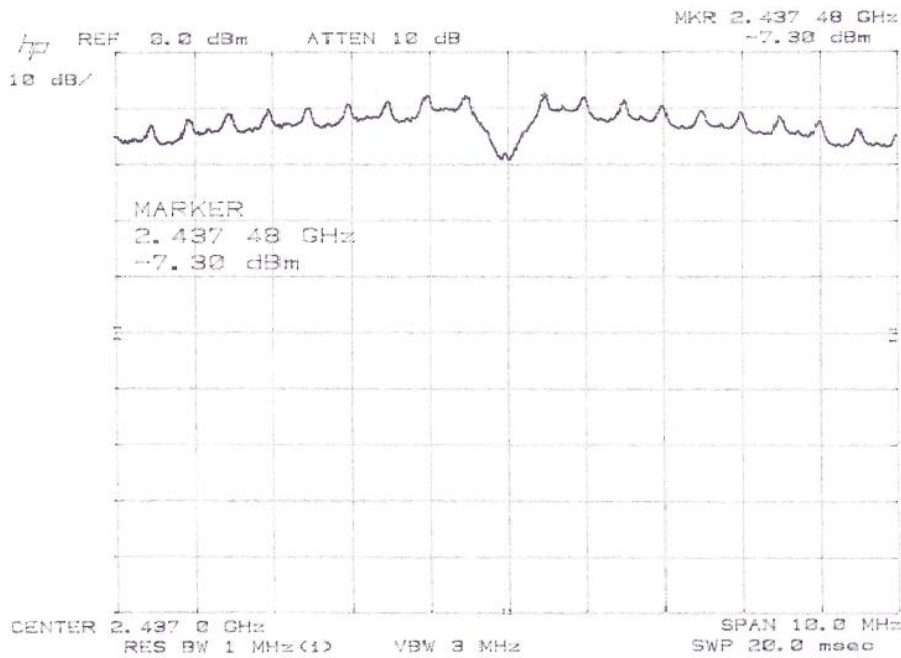
Convert mW
0.9
1.2
1.7
2.1
2.0
1.6
1.2
1.0

Total 11.7 mW



15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Middle Chanel 1 Mbps CCK



Measured dBm	Cable/Pad	Corrected dBm
-10.7	10.5	-0.2
-9.7	10.5	0.8
-8.4	10.5	2.1
-7.4	10.5	3.1
-7.3	10.5	3.2
-8.1	10.5	2.4
-9.9	10.5	0.6
-10.8	10.5	-0.3

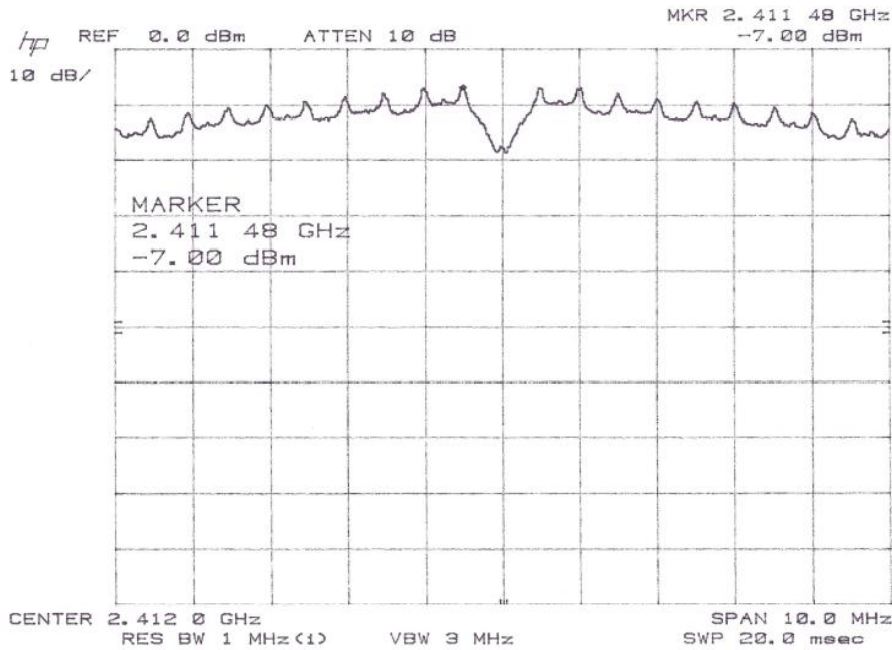
Convert mW
1.0
1.2
1.6
2.0
2.1
1.7
1.1
0.9

Total 11.7 mW



15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Lowest Chanel 1 Mbps CCK



Measured dBm	Cable/Pad	Corrected dBm
-10.5	10.5	0
-9.4	10.5	1.1
-8	10.5	2.5
-7	10.5	3.5
-7.1	10.5	3.4
-8.1	10.5	2.4
-9.4	10.5	1.1
-10.3	10.5	0.2

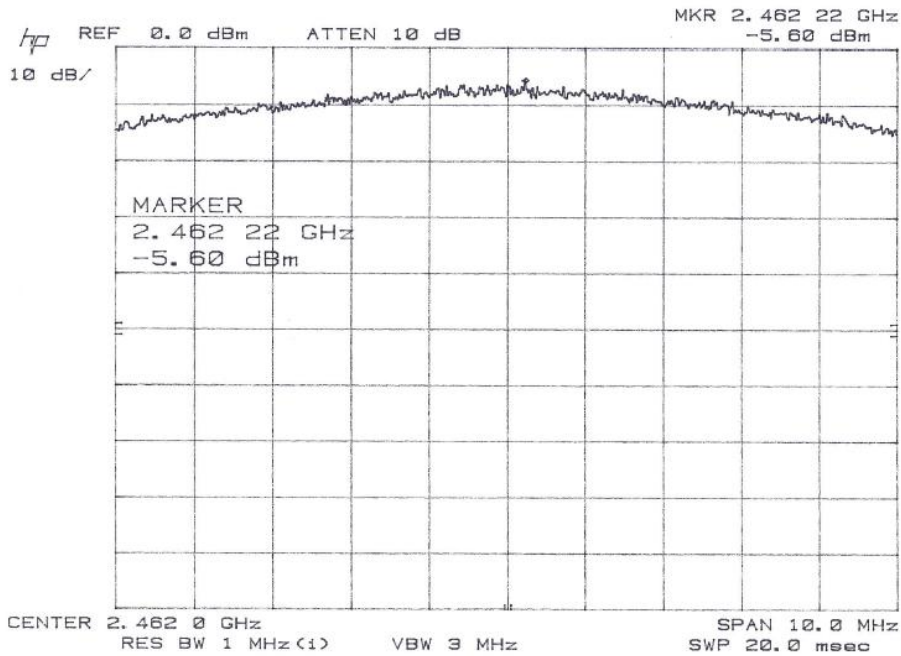
Convert mW
1.0
1.3
1.8
2.2
2.2
1.7
1.3
1.0

Total 12.6 mW



15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots and tables report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Highest Chanel 11 Mbps BPSK



Measured dBm	Cable/Pad	Corrected dBm
-10.4	10.5	0.1
-8.2	10.5	2.3
-7.4	10.5	3.1
-6.5	10.5	4
-5.6	10.5	4.9
-7.2	10.5	3.3
-8.6	10.5	1.9
-10.3	10.5	0.2

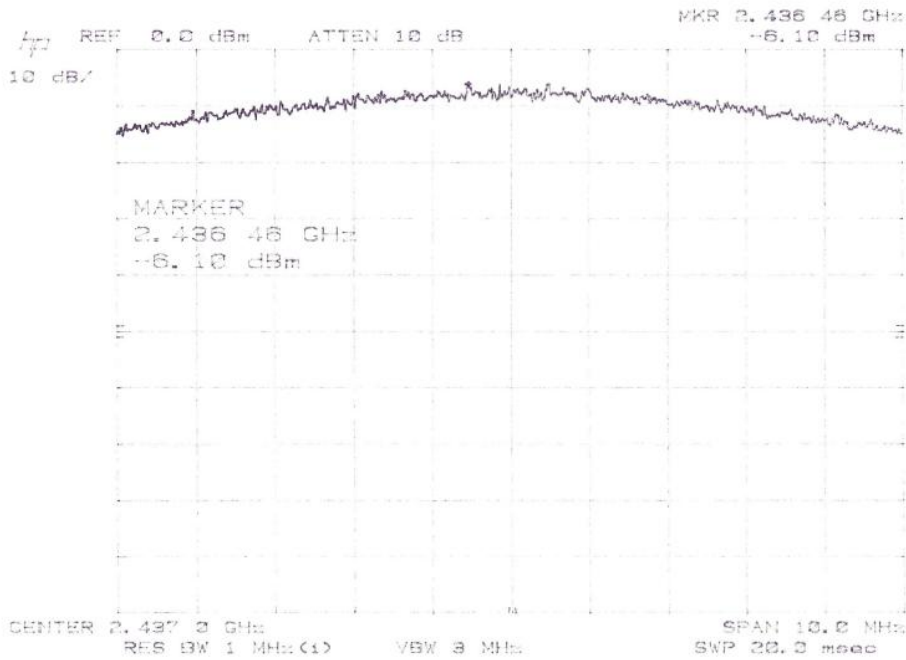
Convert mW
1.0
1.7
2.0
2.5
3.1
2.1
1.5
1.0

Total 15.1 mW



15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Middle Chanel 11 Mbps BPSK



Measured dBm	Cable/Pad	Corrected dBm
-10.5	10.5	0
-8.5	10.5	2
-7.2	10.5	3.3
-6.1	10.5	4.4
-6.1	10.5	4.4
-7.7	10.5	2.8
-8.9	10.5	1.6
-10.1	10.5	0.4

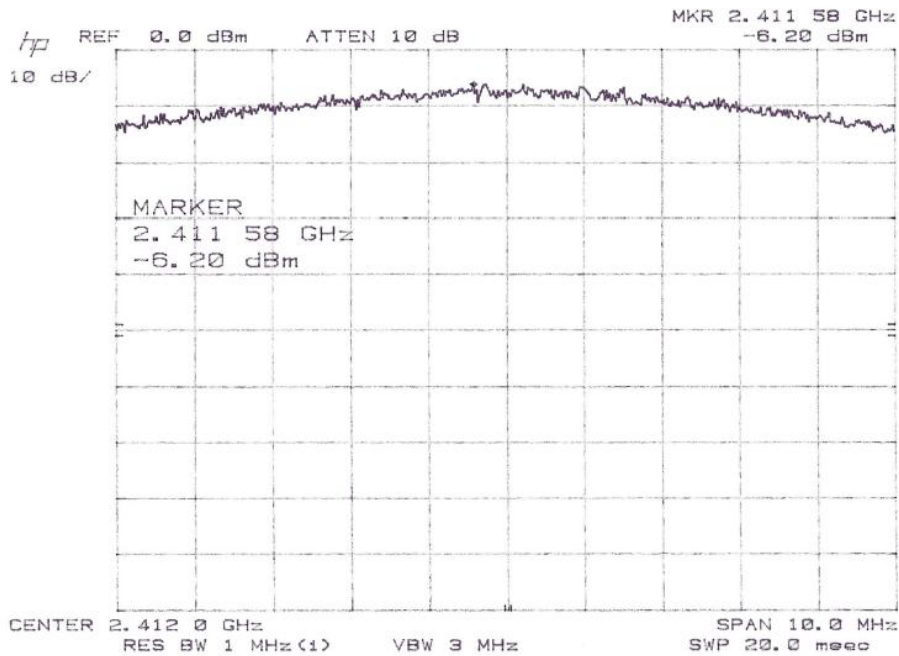
Convert mW
1.0
1.6
2.1
2.8
2.8
1.9
1.4
1.1

Total 14.7 mW



15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Lowest Chanel 11 Mbps BPSK



Measured dBm	Cable/Pad	Corrected dBm
-10	10.5	0.5
-8.1	10.5	2.4
-7.1	10.5	3.4
-6.2	10.5	4.3
-6.3	10.5	4.2
-6.8	10.5	3.7
-8.5	10.5	2
-10.4	10.5	0.1

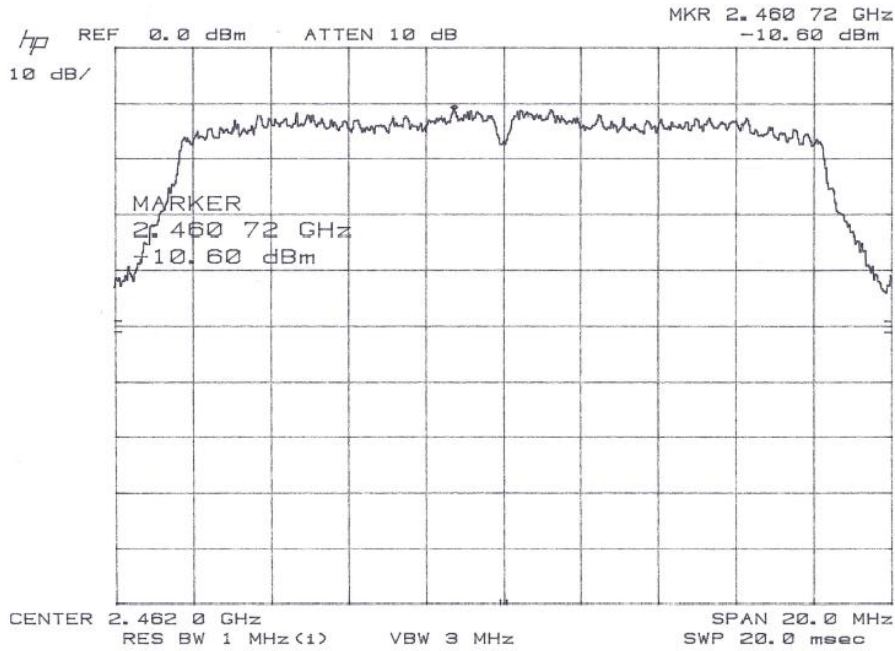
Convert mW
1.1
1.7
2.2
2.7
2.6
2.3
1.6
1.0

Total 15.3 mW



15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots and tables report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Highest Chanel 54 Mbps 64-QAM



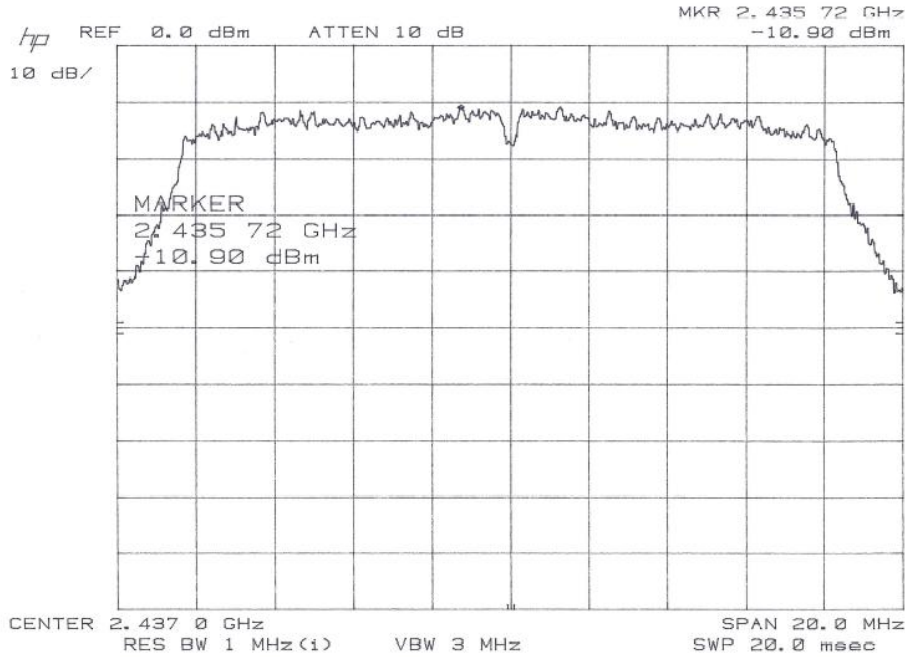
Measured dBm	Cable/Pad	Corrected dBm	Convert mW
-13	10.5	-2.5	0.6
-12.1	10.5	-1.6	0.7
-11.6	10.5	-1.1	0.8
-12.7	10.5	-2.2	0.6
-12.9	10.5	-2.4	0.6
-12.4	10.5	-1.9	0.6
-10.6	10.5	-0.1	1.0
-11.7	10.5	-1.2	0.8
-11.1	10.5	-0.6	0.9
-11	10.5	-0.5	0.9
-11.9	10.5	-1.4	0.7
-13	10.5	-2.5	0.6
-12.6	10.5	-2.1	0.6
-13.1	10.5	-2.6	0.5
-12.8	10.5	-2.3	0.6

Total 10.4 mW



15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Middle Chanel 54 Mbps 64-QAM



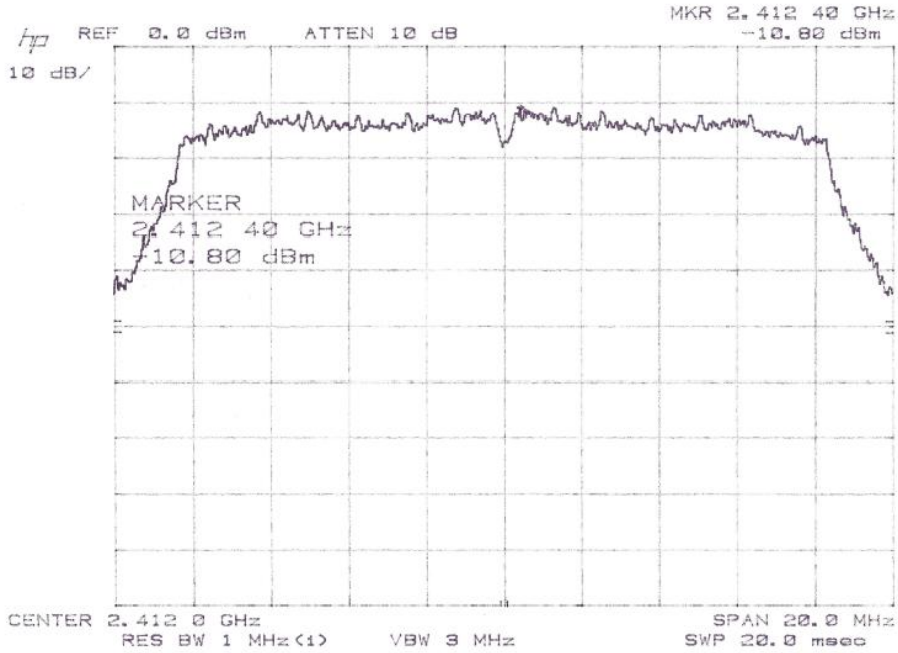
Measured dBm	Cable/Pad	Corrected dBm	Convert mW
-11.8	10.5	-1.3	0.7
-11.5	10.5	-1	0.8
-11.9	10.5	-1.4	0.7
-12.7	10.5	-2.2	0.6
-11.8	10.5	-1.3	0.7
-10.9	10.5	-0.4	0.9
-11.3	10.5	-0.8	0.8
-11.3	10.5	-0.8	0.8
-10.9	10.5	-0.4	0.9
-11.6	10.5	-1.1	0.8
-12.8	10.5	-2.3	0.6
-12.2	10.5	-1.7	0.7
-12.1	10.5	-1.6	0.7
-12.6	10.5	-2.1	0.6
-14.3	10.5	-3.8	0.4

Total 10.9 mW



15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Lowest Chanel 54 Mbps 64-QAM



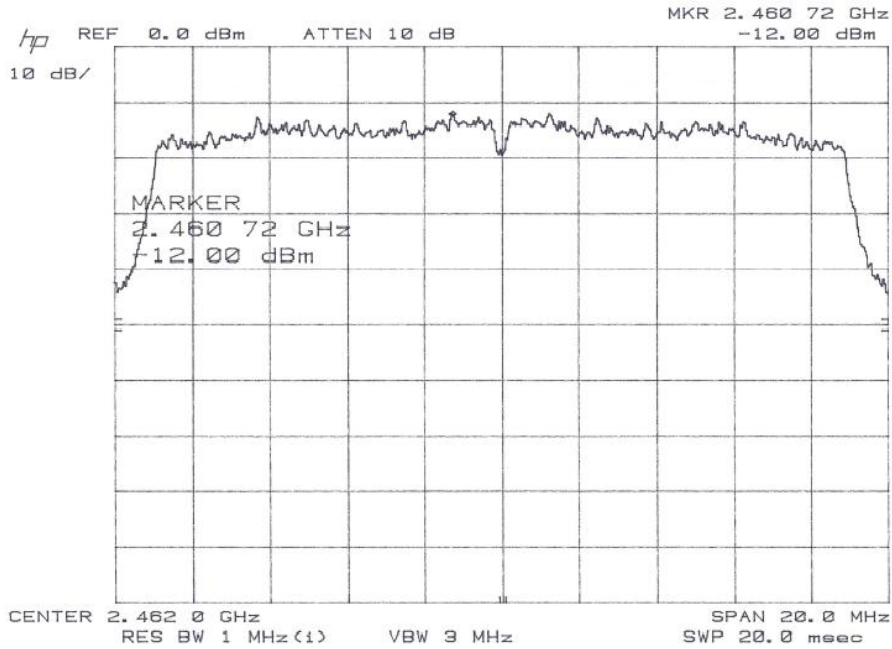
Measured dBm	Cable/Pad	Corrected dBm	Convert mW
-11.6	10.5	-1.1	0.8
-12.1	10.5	-1.6	0.7
-11.8	10.5	-1.3	0.7
-12.4	10.5	-1.9	0.6
-11.8	10.5	-1.3	0.7
-10.9	10.5	-0.4	0.9
-11.4	10.5	-0.9	0.8
-10.8	10.5	-0.3	0.9
-10.8	10.5	-0.3	0.9
-11.4	10.5	-0.9	0.8
-12.6	10.5	-2.1	0.6
-12.9	10.5	-2.4	0.6
-12.2	10.5	-1.7	0.7
-12	10.5	-1.5	0.7
-14.1	10.5	-3.6	0.4

Total 11.0 mW



15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots and tables report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Highest Chanel 58.5 Mbps 64-QAM



Measured dBm	Cable/Pad	Corrected dBm
-15.2	10.5	-4.7
-12.7	10.5	-2.2
-13.7	10.5	-3.2
-13.2	10.5	-2.7
-13.8	10.5	-3.3
-13.3	10.5	-2.8
-12	10.5	-1.5
-12.7	10.5	-2.2
-13	10.5	-2.5
-12	10.5	-1.5
-12.8	10.5	-2.3
-13.8	10.5	-3.3
-13.5	10.5	-3
-13.5	10.5	-3
-13.7	10.5	-3.2

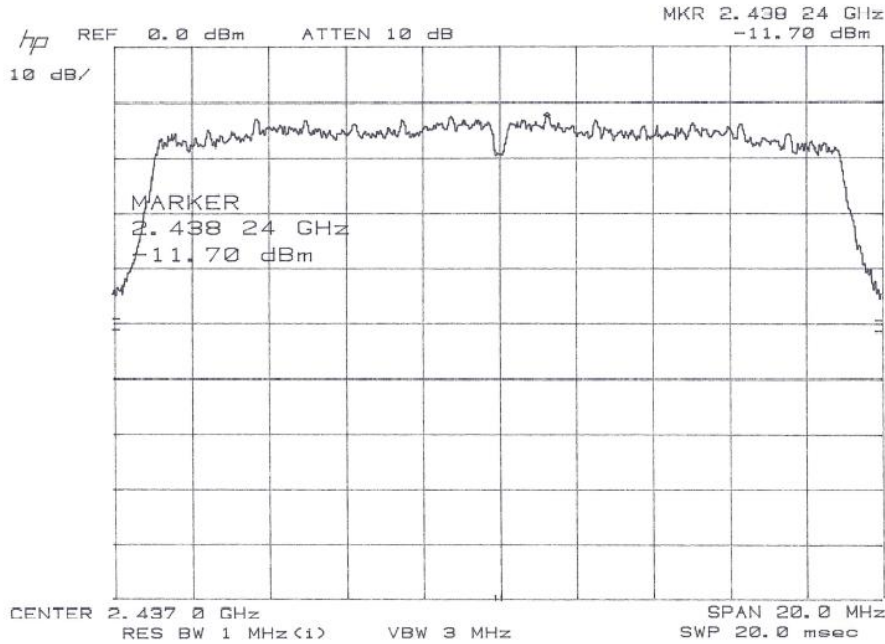
Convert mW
0.3
0.6
0.5
0.5
0.5
0.5
0.7
0.6
0.6
0.7
0.6
0.5
0.5
0.5
0.5

Total 8.1 mW



15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Middle Chanel 58.5 Mbps 64-QAM



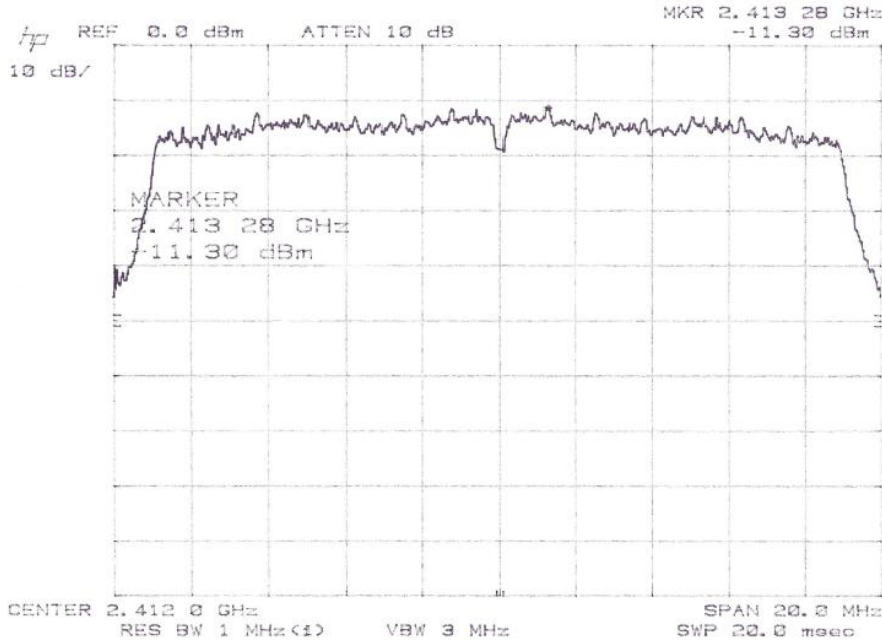
Measured dBm	Cable/Pad	Corrected dBm	Convert mW
-14.7	10.5	-4.2	0.4
-12.7	10.5	-2.2	0.6
-13.8	10.5	-3.3	0.5
-12.9	10.5	-2.4	0.6
-13.5	10.5	-3	0.5
-12.7	10.5	-2.2	0.6
-12	10.5	-1.5	0.7
-12.7	10.5	-2.2	0.6
-12.7	10.5	-2.2	0.6
-11.7	10.5	-1.2	0.8
-12.6	10.5	-2.1	0.6
-13.9	10.5	-3.4	0.5
-14.1	10.5	-3.6	0.4
-13.1	10.5	-2.6	0.5
-13.3	10.5	-2.8	0.5

Total 8.4 mW



15.247(b)(3) specifies that the maximum peak conducted output power for DTS transmitters in any of the three authorized frequency bands is 1 watt (30 dBm). The following plots report the results of the Fundamental Emission Output Power measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.

Lowest Chanel 58.5 Mbps 64-QAM



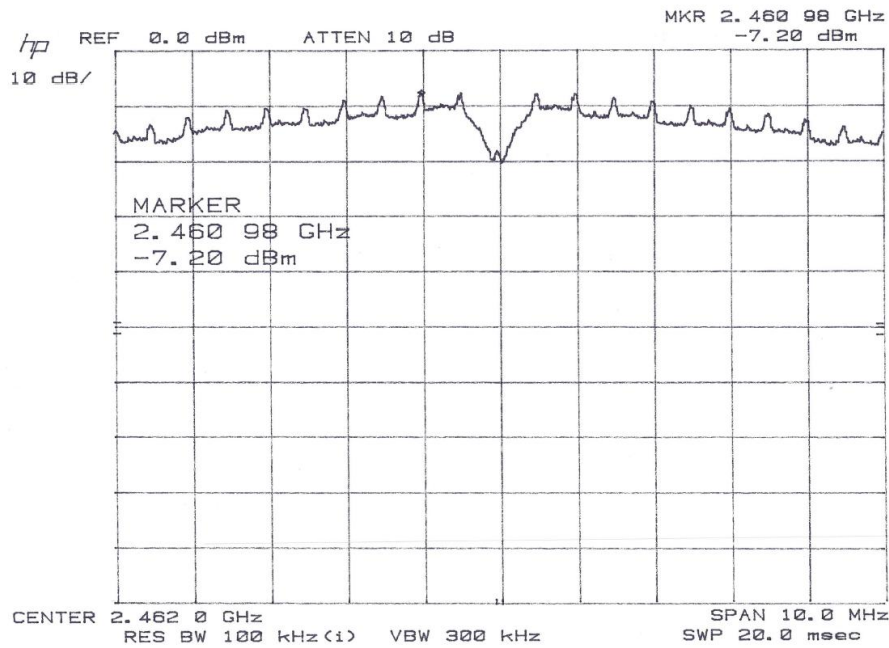
Measured dBm	Cable/Pad	Corrected dBm	Convert mW
-12.4	10.5	-1.9	0.6
-13.5	10.5	-3	0.5
-12.7	10.5	-2.2	0.6
-13	10.5	-2.5	0.6
-12.7	10.5	-2.2	0.6
-11.6	10.5	-1.1	0.8
-11.7	10.5	-1.2	0.8
-12.3	10.5	-1.8	0.7
-11.3	10.5	-0.8	0.8
-12.4	10.5	-1.9	0.6
-13.7	10.5	-3.2	0.5
-13	10.5	-2.5	0.6
-13	10.5	-2.5	0.6
-13	10.5	-2.5	0.6
-14.7	10.5	-4.2	0.4

Total 9.1 mW



Report of Measurements Maximum PKPSD Level – Peak Detector

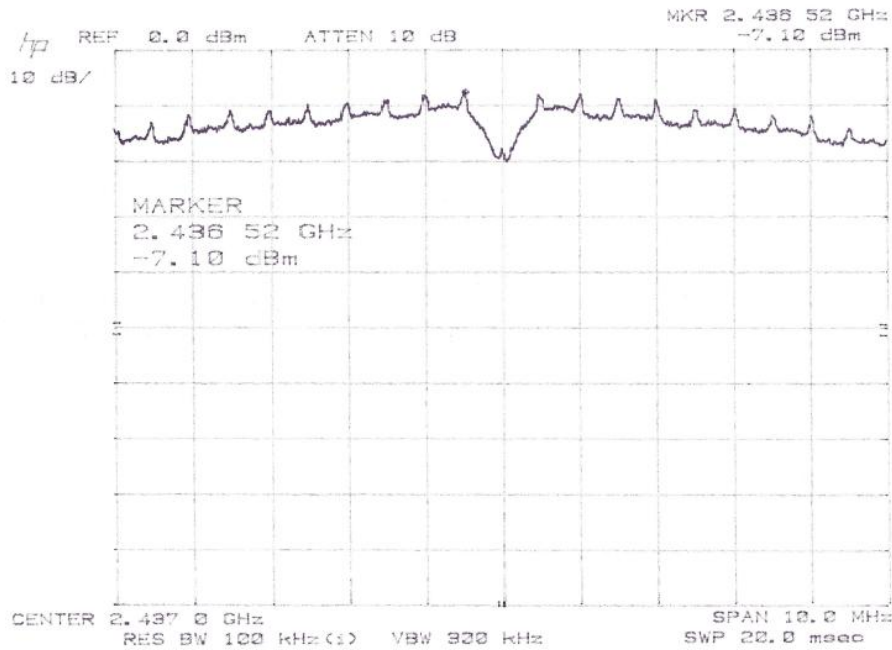
15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Highest Channel 1 Mbps CCK



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-7.2	10.5	-15.2	-11.9



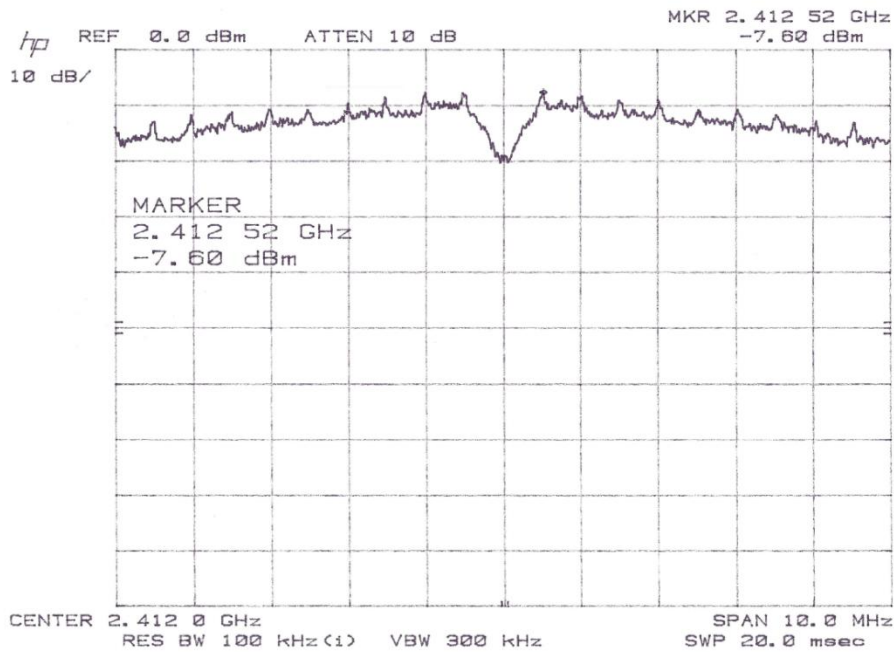
15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Middle Chanel 1 Mbps CCK



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-7.1	10.5	-15.2	-11.8



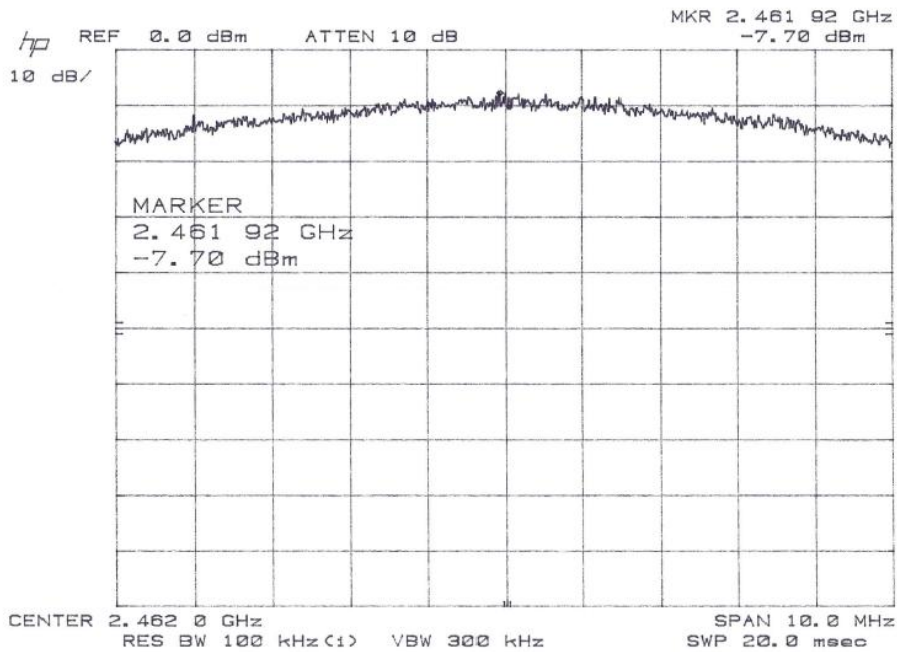
15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Lowest Chanel 1 Mbps CCK



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-7.6	10.5	-15.2	-12.3



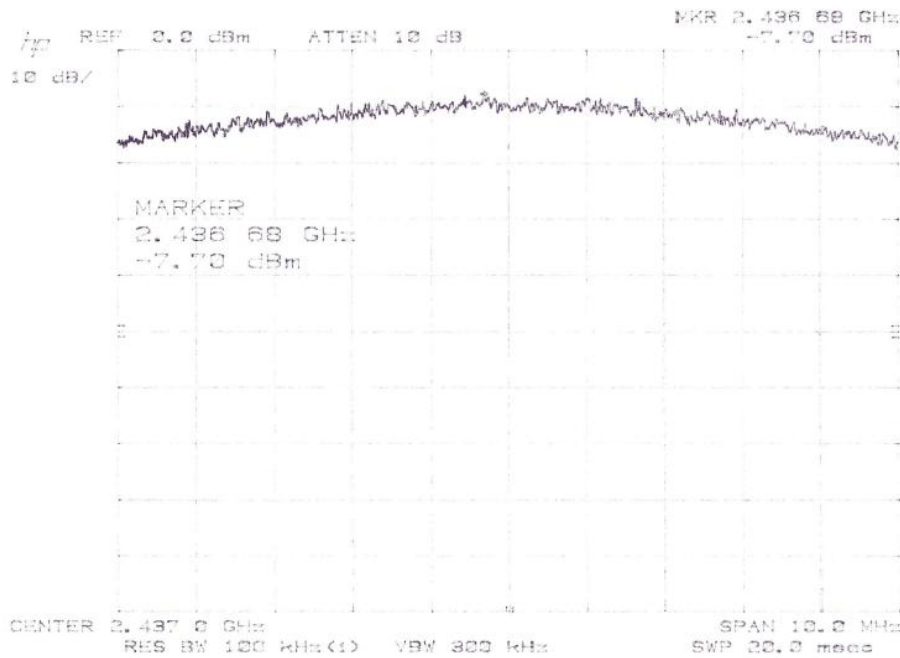
15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Highest Chanel 11 Mbps BPSK



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-7.7	10.5	-15.2	-12.4



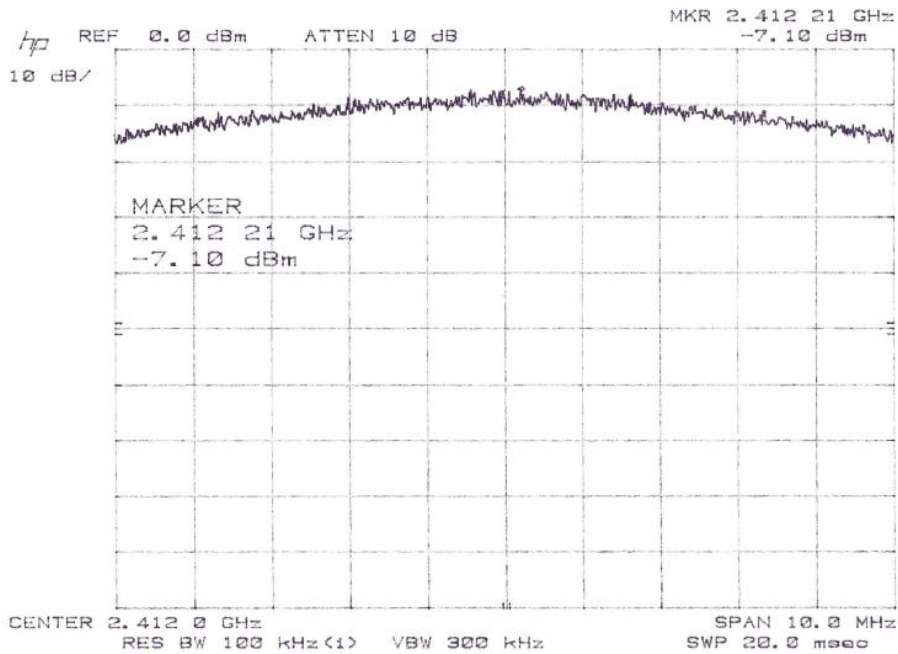
15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Middle Chanel 11 Mbps BPSK



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-7.7	10.5	-15.2	-12.4



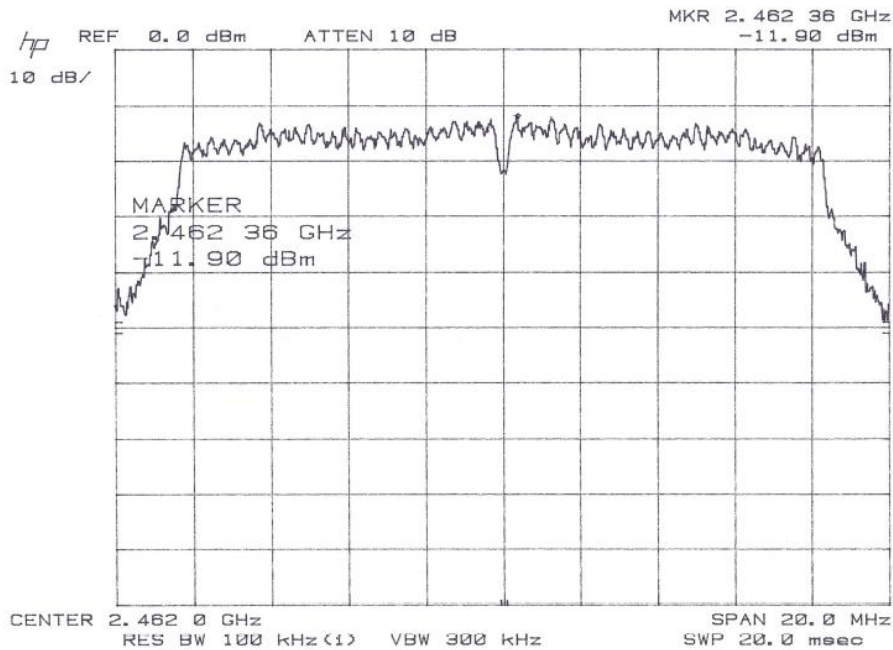
15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Lowest Chanel 11 Mbps BPSK



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-7.1	10.5	-15.2	-11.8



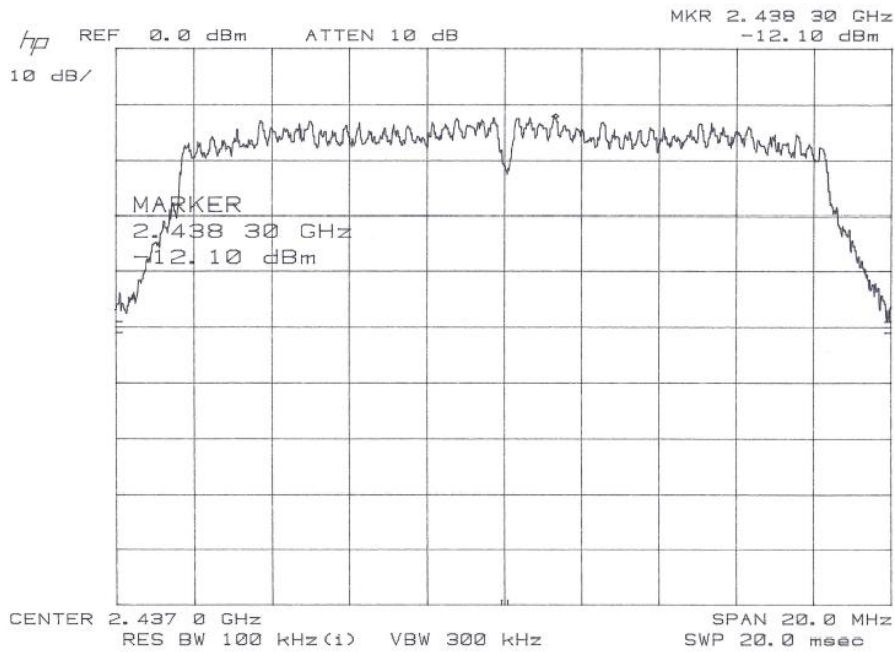
15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Highest Chanel 54 Mbps 64-QAM



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-11.9	10.5	-15.2	-16.6



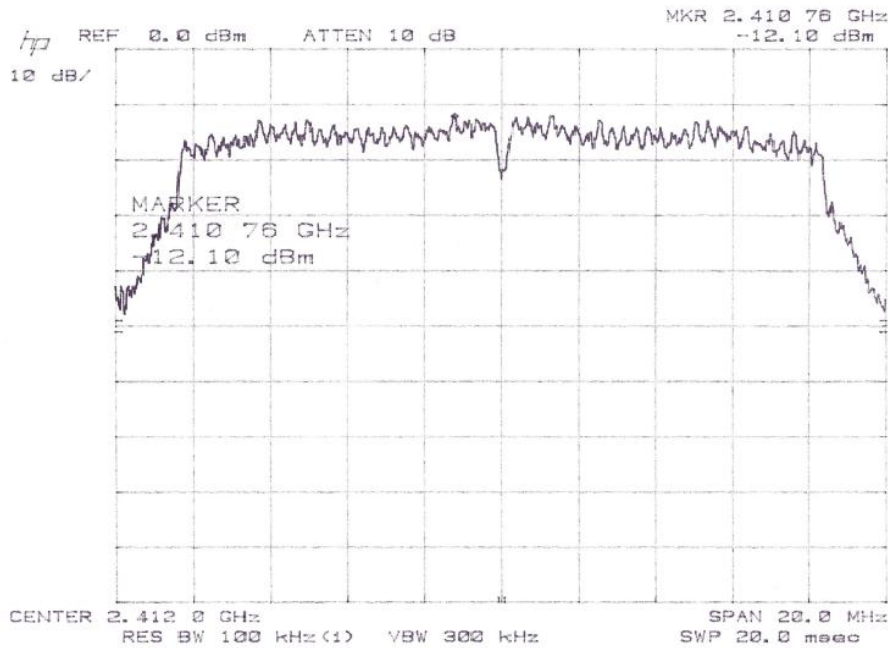
15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Middle Chanel 54 Mbps 64-QAM



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-12.1	10.5	-15.2	-16.8



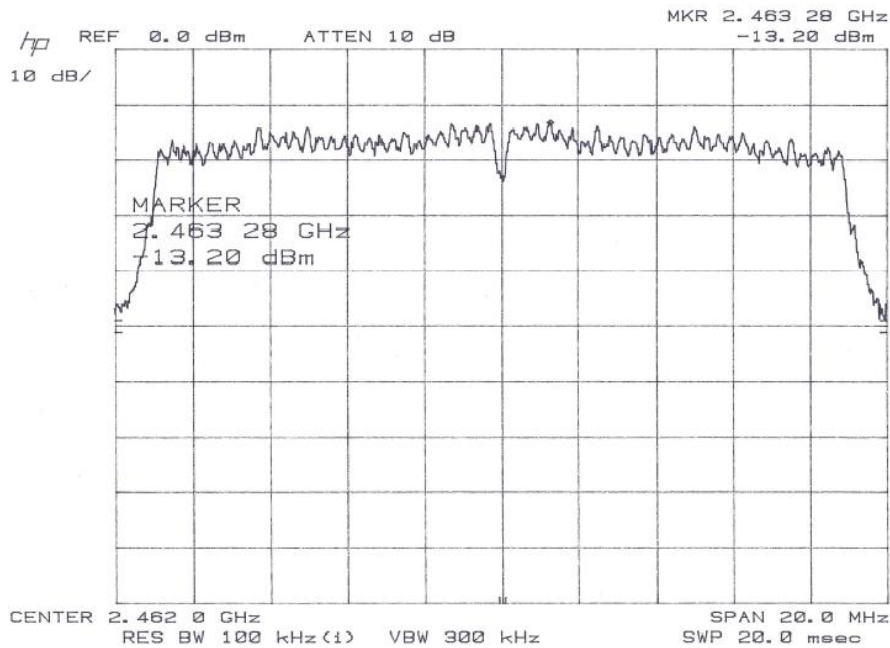
15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Lowest Chanel 54 Mbps 64-QAM



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-12.1	10.5	-15.2	-16.8



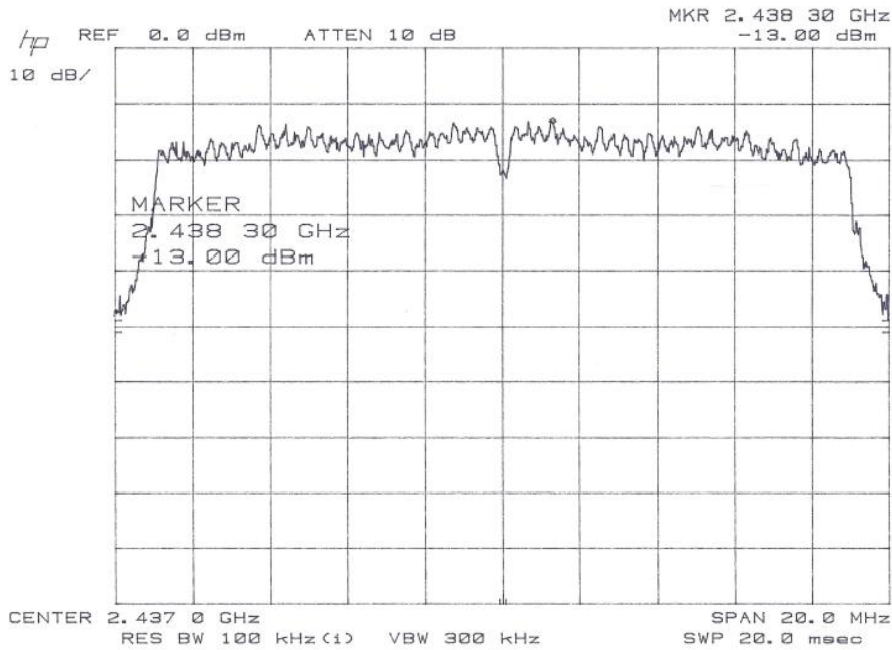
15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Highest Chanel 58.5 Mbps 64-QAM



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-13.2	10.5	-15.2	-17.9



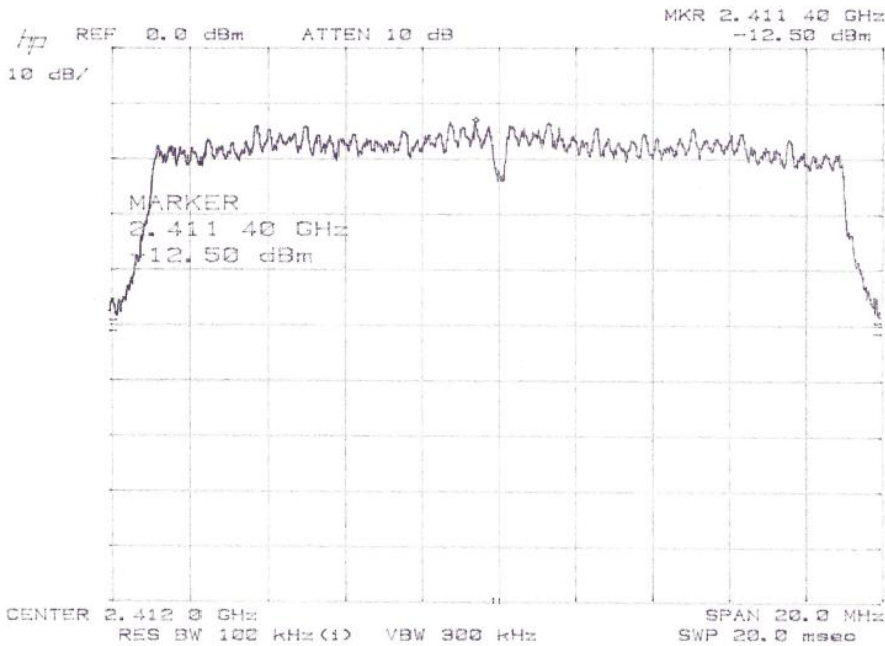
15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Middle Chanel 58.5 Mbps 64-QAM



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-13	10.5	-15.2	-17.7



15.247(e) specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The following plots report the results of the Maximum Power Spectral Density Level in the Fundamental Emission measurements for the Wi-Fi Module, RZ707MS-G1N. Procedure: FCC 558074 D01 DTS Meas Guidance v01.
Lowest Chanel 58.5 Mbps 64-QAM



Measured dBm	Cable/Pad	BWCF	Corrected dBm/3kHz
-12.5	10.5	-15.2	-17.2



Report of Measurements Conducted Spurious Data

Table 6 - Conducted Spurious Data

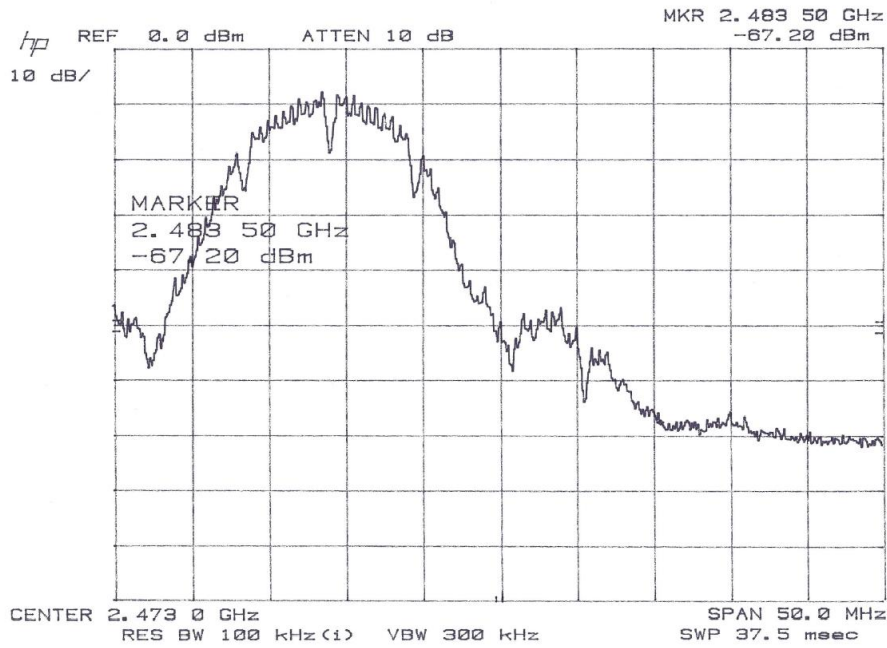
Frequency MHz	Note	Measured dBm
1Mbps CCK		
4824		-54.9
7236		-68.1
9648	baseline	-71.3
12060	baseline	-72.7
14472	baseline	-68.4
16884	baseline	-67.7
19296	baseline	-64.2
21708	baseline	-61.1
24120	baseline	-61.3
11Mbps BPSK		
4824		-55.1
7236		-70.9
9648	baseline	-72.8
12060	baseline	-72.7
14472	baseline	-69.6
16884	baseline	-69.1
19296	baseline	-64.6
21708	baseline	-62.9
24120	baseline	-62.4
54Mbps 64-QAM		
4824		-64.5
7236		-69
9648	baseline	-72.8
12060	baseline	-73.4
14472	baseline	-68.2
16884	baseline	-68.6
19296	baseline	-63.7
21708	baseline	-62.1
24120	baseline	-63
58.5Mbps 64-QAM		
4824		-66.3
7236		-70.4
9648	baseline	-72
12060	baseline	-72.1
14472	baseline	-66.7
16884	baseline	-68.1
19296	baseline	-65.1
21708	baseline	-62.8
24120	baseline	-61.6

Emissions above 1 GHz are measurements with peak detector at 1 MHz BW. Only baseline noise floor was observed after the third harmonic.



Report of Measurements Band Edge Data

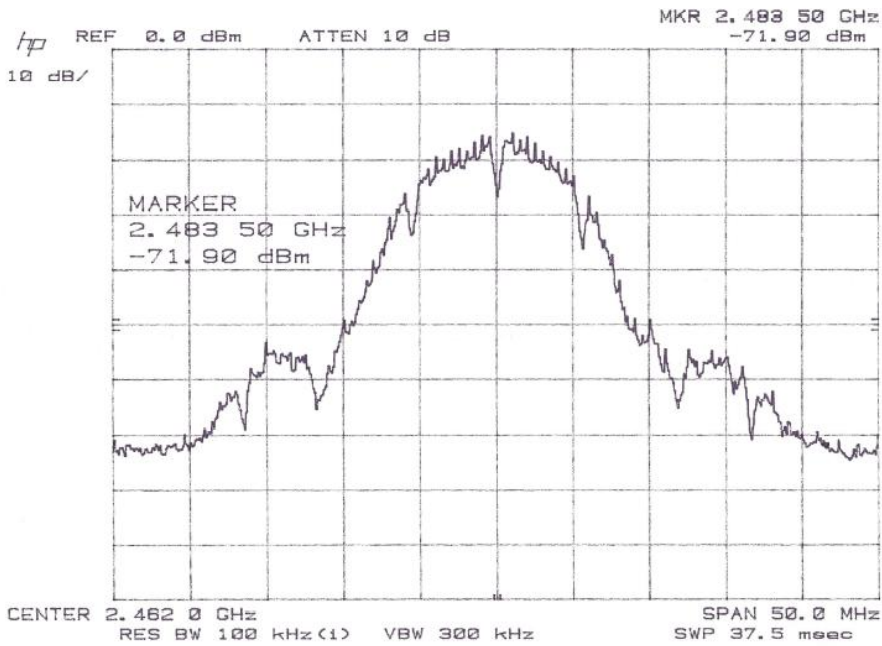
Highest Chanel 1 Mbps CCK – Conducted Measurement





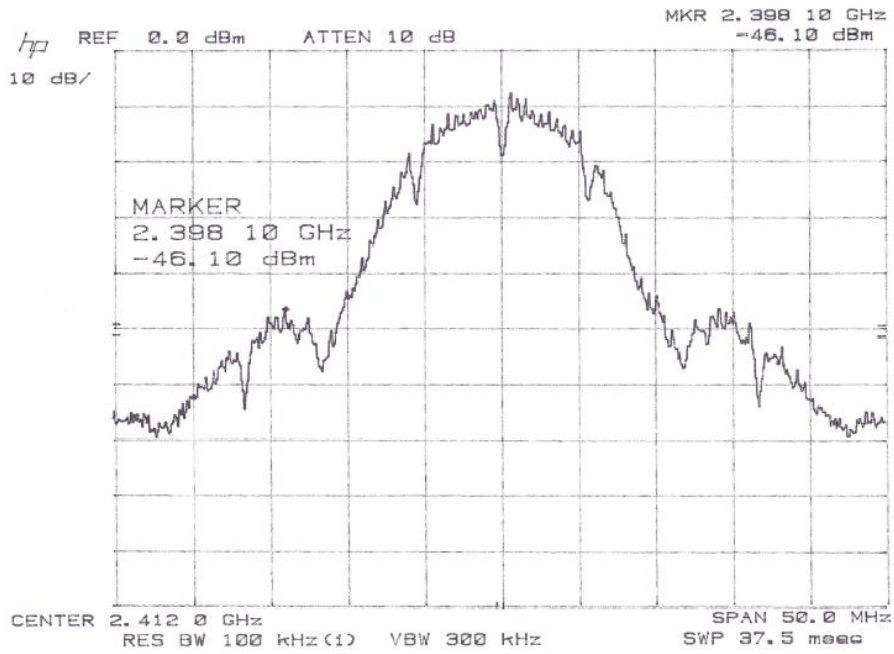
Highest Chanel 1 Mbps CCK – Radiated Measurement

Frequency MHz	dBuV/m	CF	Corrected dBuV/m @ 3 meter
2462	35.1	-2.37	32.73





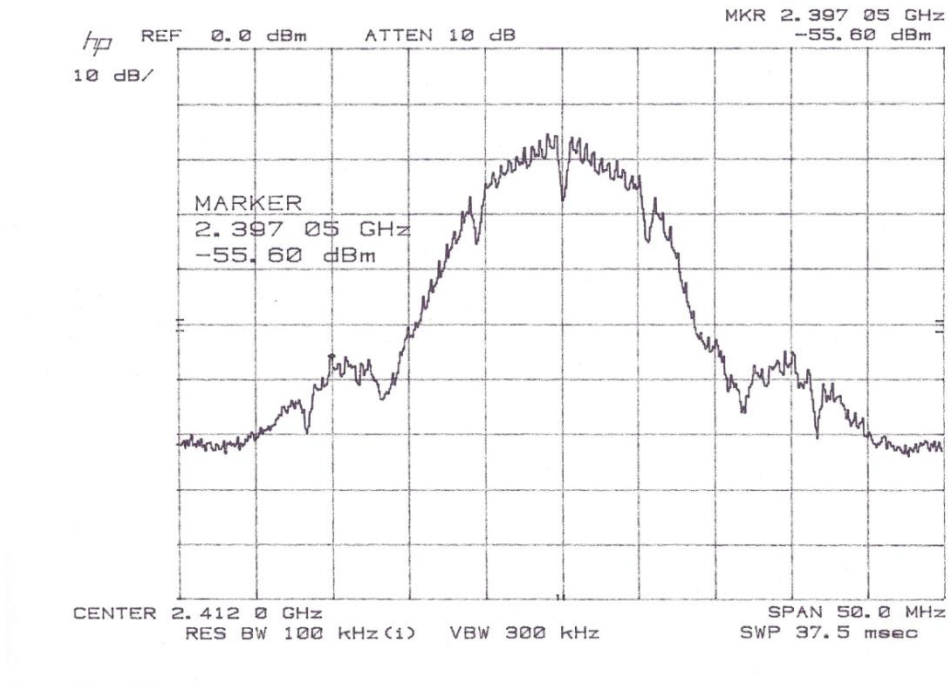
Lowest Chanel 1 Mbps CCK – Conducted Measurement





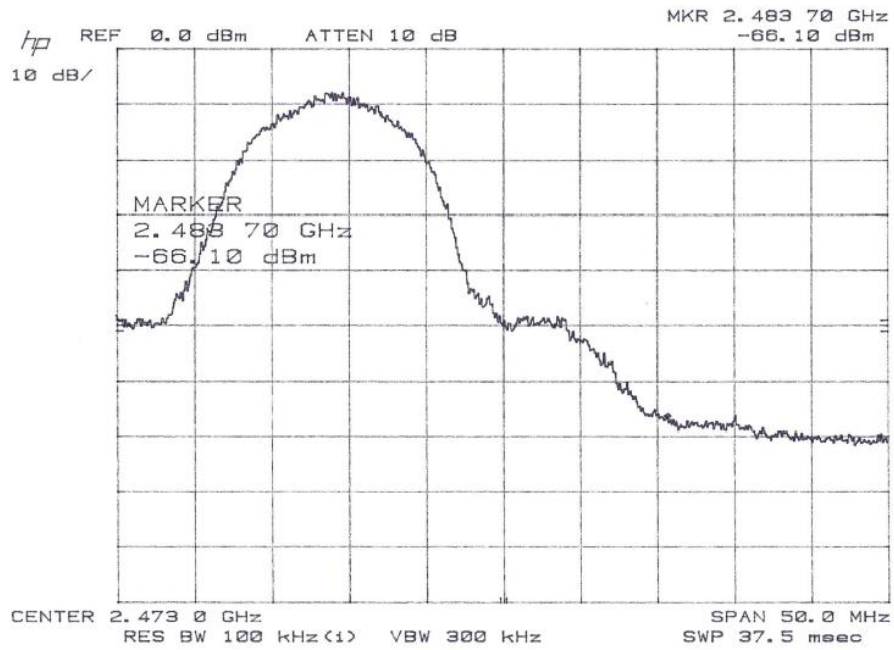
Lowest Chanel 1 Mbps CCK – Radiated Measurement

Frequency MHz	dBuV/m	CF	Corrected dBuV/m @ 3 meter
2397	51.4	-2.64	48.76





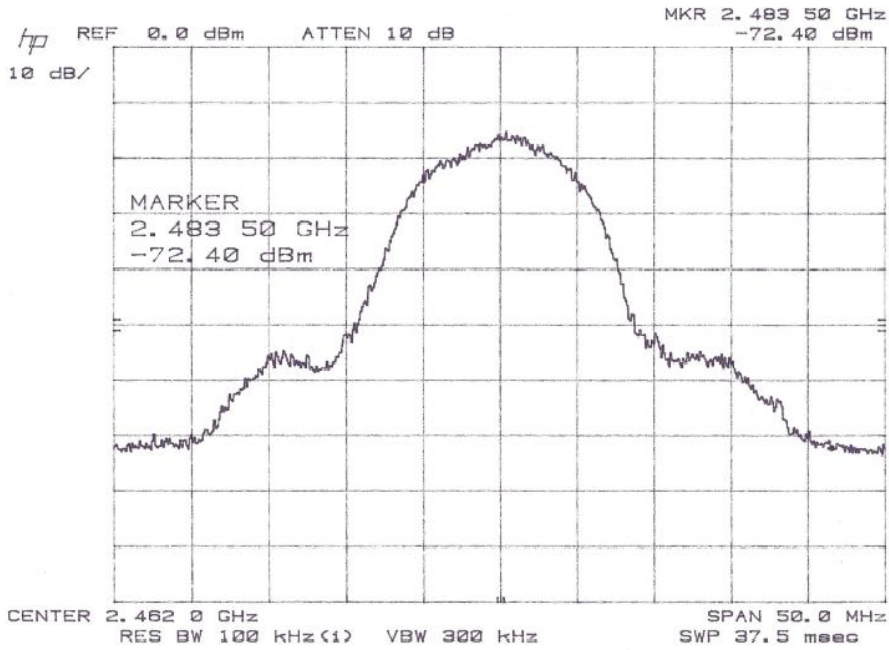
Highest Chanel 11 Mbps BPSK – Conducted Measurement





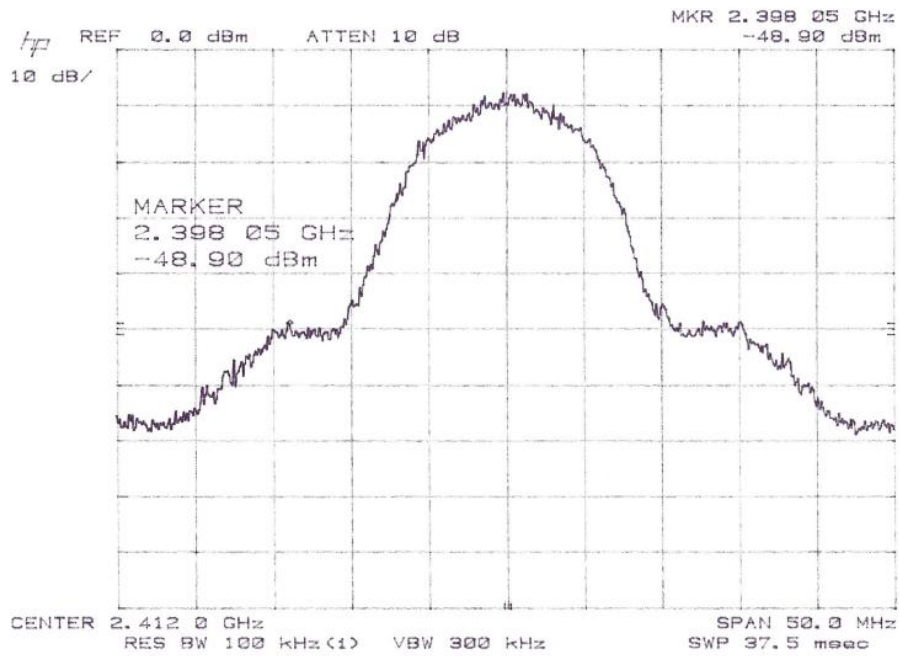
Highest Chanel 11 Mbps BPSK – Radiated Measurement

Frequency MHz	dBuV/m	CF	Corrected dBuV/m @ 3 meter
2483.5	34.6	-2.28	32.32





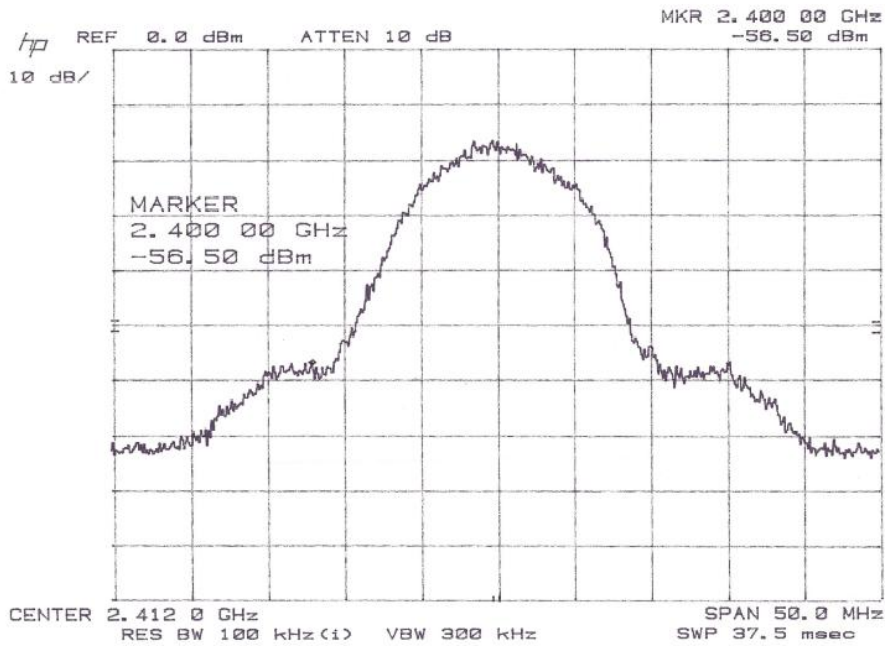
Lowest Chanel 11 Mbps BPSK – Conducted Measurement





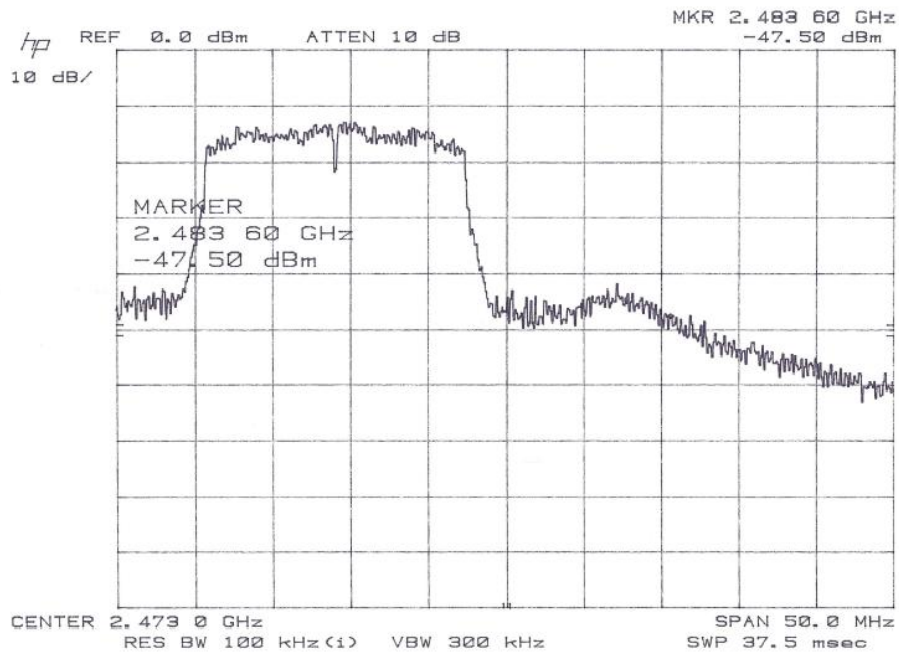
Lowest Chanel 11 Mbps BPSK – Radiated Measurement

Frequency MHz	dBuV/m	CF	Corrected dBuV/m @ 3 meter
2400	50.5	-2.63	47.87





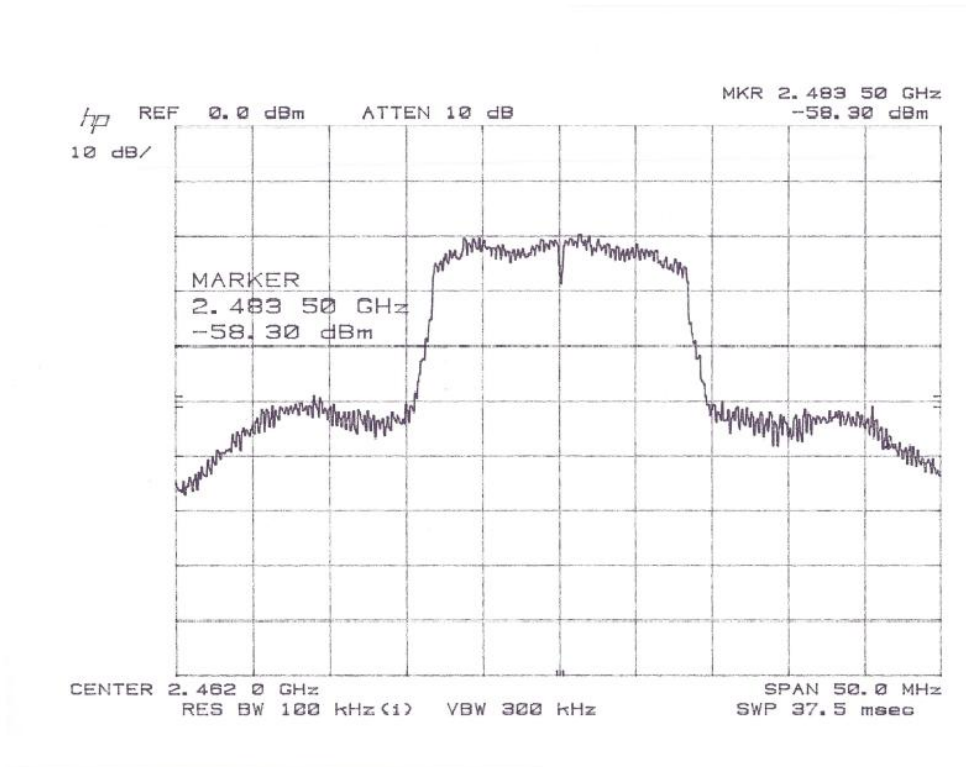
Highest Chanel 54 Mbps 64-QAM – Conducted Measurement





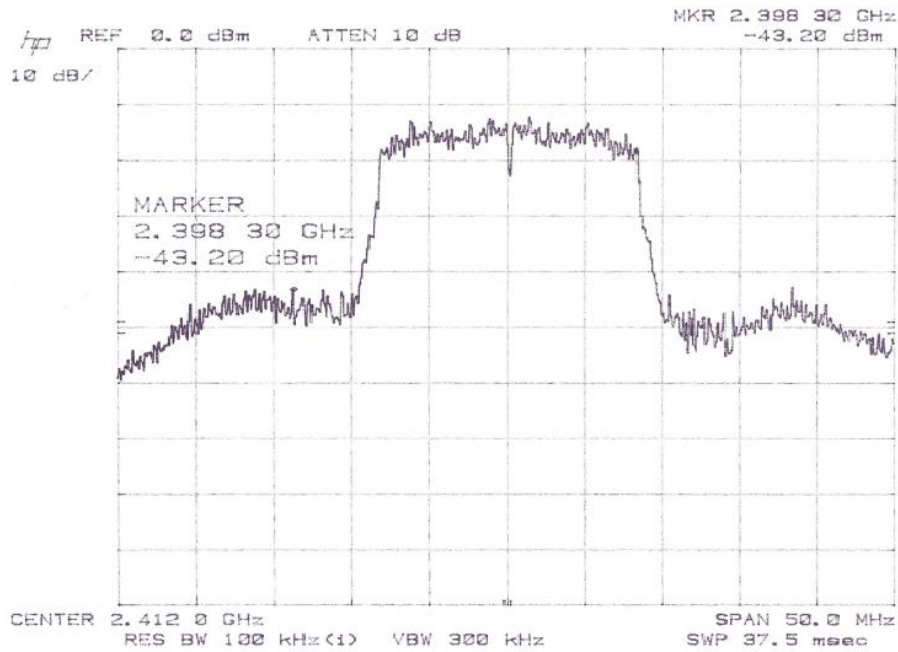
Highest Chanel 54 Mbps 64-QAM – Radiated Measurement

Frequency MHz	dBuV/m	CF	Corrected dBuV/m @ 3 meter
2483.5	48.7	-2.28	46.42





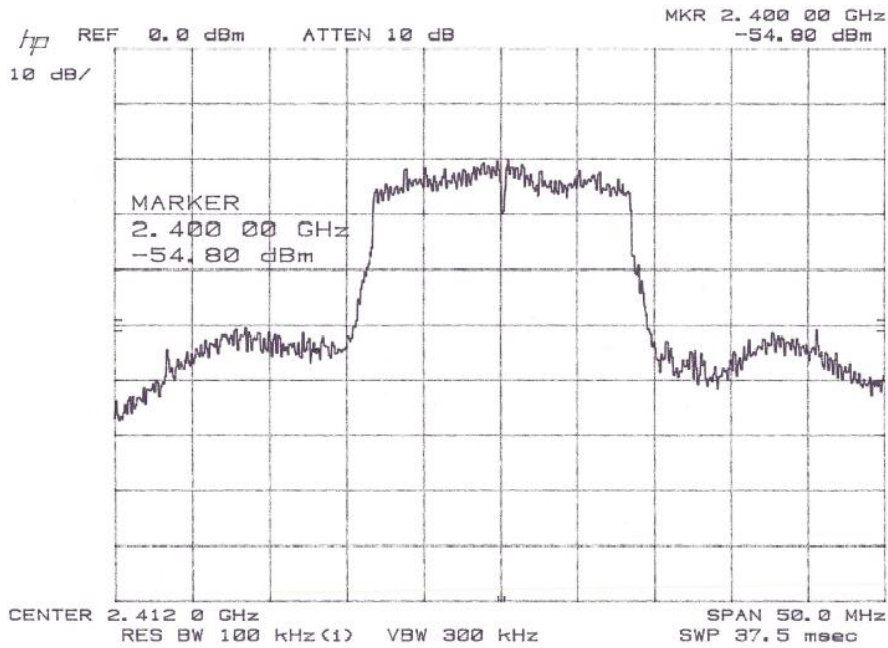
Lowest Chanel 54 Mbps 64-QAM – Conducted Measurement





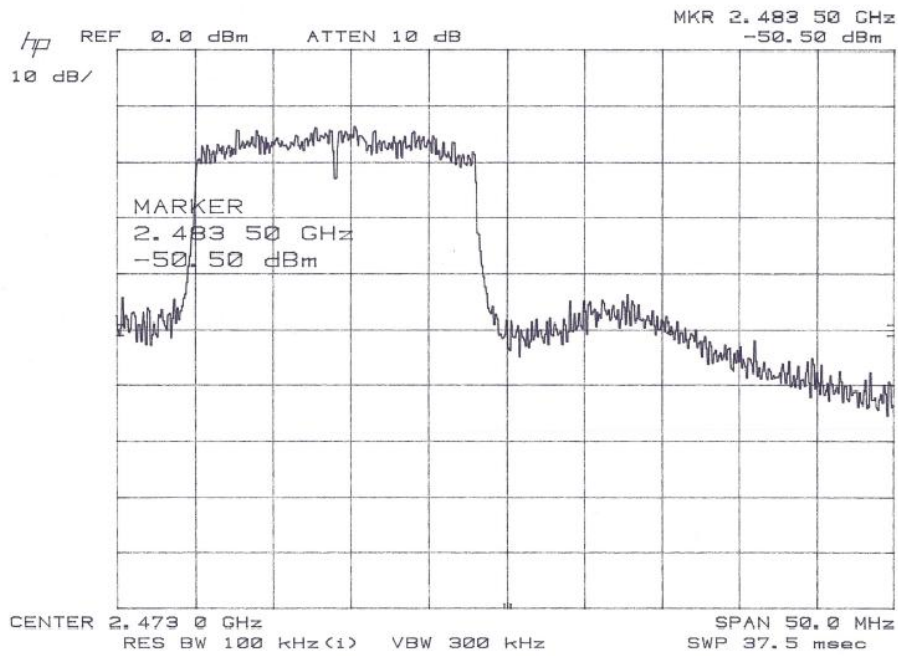
Lowest Chanel 54 Mbps 64-QAM – Radiated Measurement

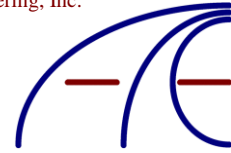
Frequency MHz	dBuV/m	CF	Corrected dBuV/m @ 3 meter
2400	52.2	-2.63	49.57





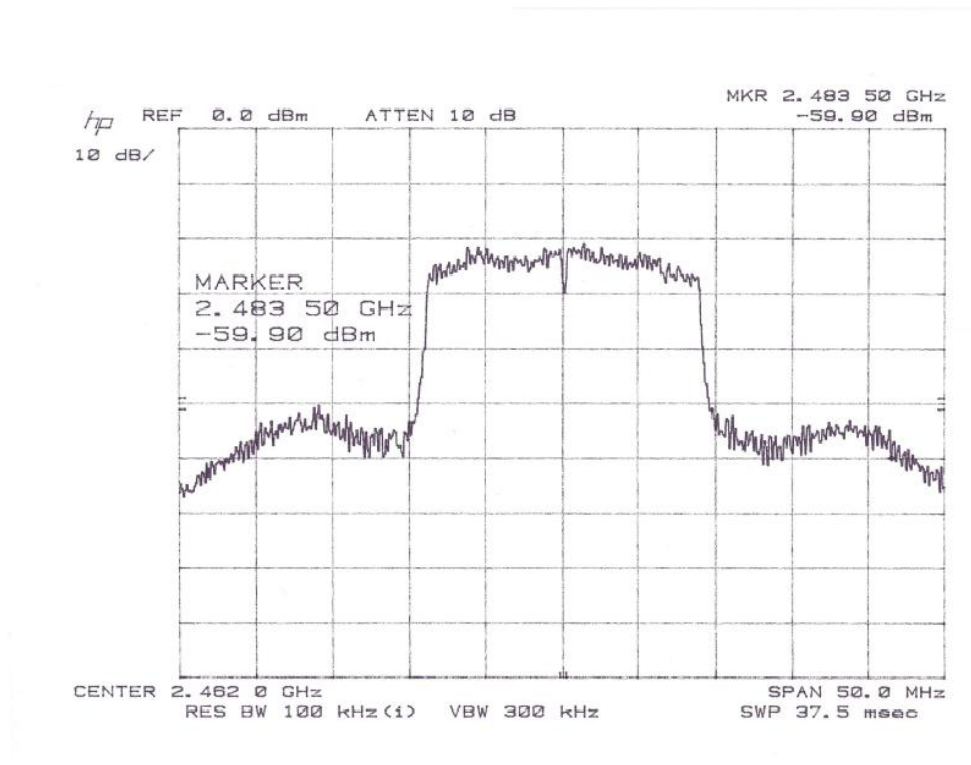
Highest Chanel 58.5 Mbps 64-QAM – Conducted Measurement





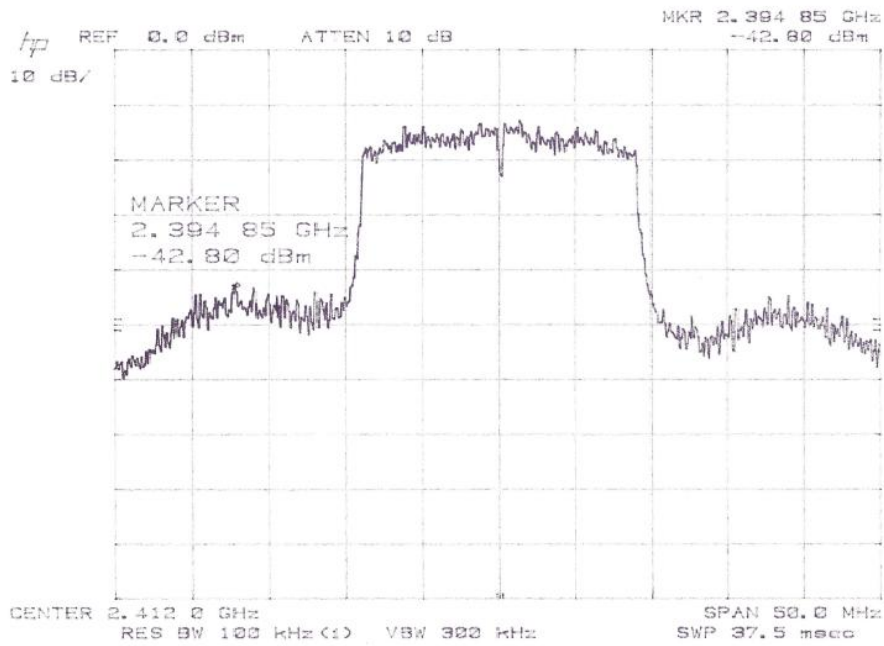
Highest Chanel 58.5 Mbps 64-QAM – Radiated Measurement

Frequency MHz	dBuV/m	CF	Corrected dBuV/m @ 3 meter
2483.5	47.1	-2.28	44.82





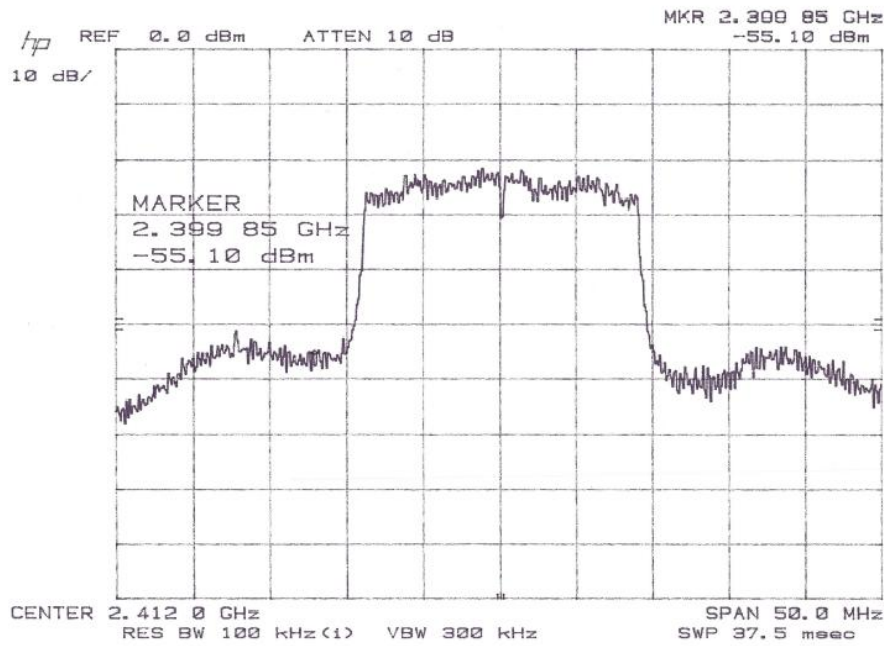
Lowest Chanel 58.5 Mbps 64-QAM – Conducted Measurement





Lowest Chanel 58.5 Mbps 64-QAM – Radiated Measurement

Frequency MHz	dBuV/m	CF	Corrected dBuV/m @ 3 meter
2400	51.9	-2.63	49.27





Report of Measurements Maximum Unwanted Emission Levels Data

15.247(d) specifies that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated according to the following conditions:

If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to 15.247(b)(3) requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to 15.247(b)(3) requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in band average PSD level.

In either case, attenuation to levels below the general emission limits specified in 15.209(a) is not required.

The following tables report the results of the Maximum Unwanted Emission Level measurements for the Wi-Fi Module, RZ707MS-G1N. These measurements were taken on the OATS and compared to the general emission limits of 15.209. Final testing of the low, middle and high channels was performed to find worst case levels. The EUT was operating in the worst case condition at 2412MHz, 11Mbps, BPSK.



Radiated Data for 15.209

ReZolt Corporation
 Product - Wi-Fi Module
 Model - RZ707MS-G1N

Table 7 - Radiated Data

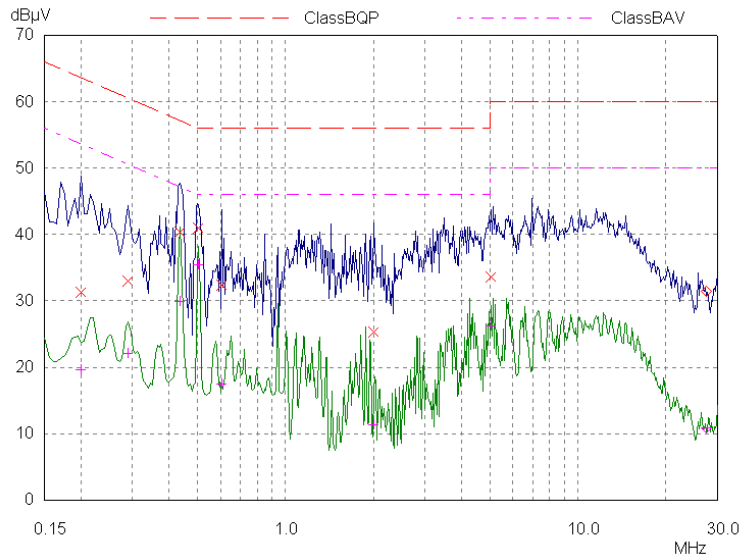
Frequency MHz	QP Level dB μ V/m	QP Limit dB μ V/m	Margin dB	Azimuth, Height	Antenna, Polarization
The data below was taken at 10 meter distance.					
120.0	13.04	33.50	20.46	248, 4	BiLog, H
240.0	21.90	36.00	14.10	270, 3.8	BiLog, H
360.0	14.31	36.00	21.69	135, 3	BiLog, H
480.0	21.06	36.00	14.94	315, 2.2	BiLog, H
600.0	16.99	36.00	19.01	135, 1.8	BiLog, H
720.0	15.06	36.00	20.94	180, 1.2	BiLog, H
960.0	19.18	36.00	16.82	45, 1	BiLog, H
120.0	20.99	33.50	12.51	22, 3	BiLog, V
240.0	22.00	36.00	14.00	202, 2	BiLog, V
360.0	20.29	36.00	15.71	90, 1.5	BiLog, V
480.0	23.29	36.00	12.71	270, 1.2	BiLog, V
600.0	15.72	36.00	20.28	180, 1	BiLog, V
720.0	15.86	36.00	20.14	22, 1	BiLog, V
960.0	18.02	36.00	17.98	45, 1.4	BiLog, V
The data below was taken at 3 meter distance					
4824.0	46.1 pk	54.00	7.9	0, 1.2	Horn, H
4874.0	44.95 pk BL	54.00	9.09	0, 1.2	Horn, H
4924.0	44.89 pk BL	54.00	9.11	0, 1.2	Horn, H
7236.0	44.36 pk BL	54.00	9.64	0, 1.2	Horn, H
9648.0	44.41 pk BL	54.00	9.59	0, 1.2	Horn, H
12060.0	43.27 pk BL	54.00	10.73	0, 1.2	Horn, H
No other emissions were observed					

Emissions above 1 GHz are maximized measurements with peak detector at 1 MHz BW. Only baseline noise floor was observed after the second harmonic. Operating mode of 11Mbps BPSK



Conducted Data for 15.207 Line

Figure 2 - Line Scan



Pre-Scan Settings:

Start Freq.	Stop Freq.	Step	IF BW	Detector	Scan-Time	Atten.
0.15MHz	30MHz	5kHz	10kHz	PK/AV	20msec	0dB

Blue Trace: Peak Measurement Green Trace: Average Measurement
 Final Measurement: x = QP / + = AV at 2 second measurement time.

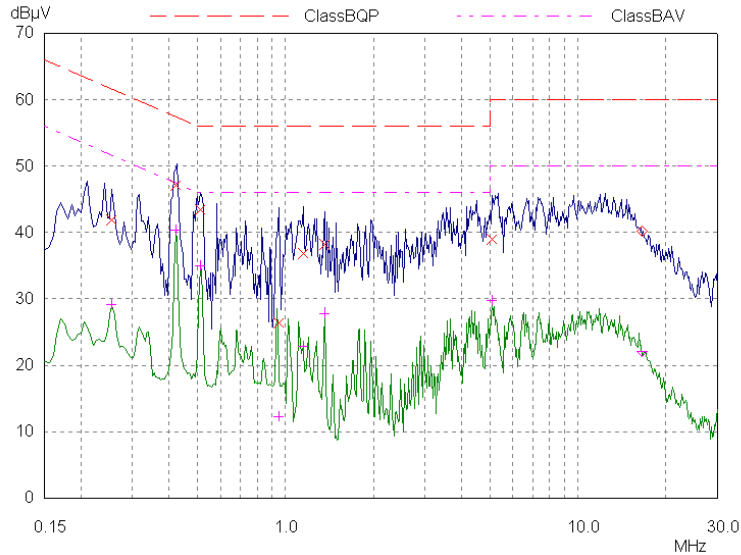
Table 8 - Line Scan Data

Frequency MHz	Level dBµV	Detector	Limit dBµV	Margin dB	Phase	PE
0.2	31.34	QP	63.61	32.27	L1	gnd
0.29	33.05	QP	60.52	27.47	L1	gnd
0.435	40.43	QP	57.16	16.73	L1	gnd
0.505	41.02	QP	56.00	14.98	L1	gnd
0.605	32.38	QP	56.00	23.62	L1	gnd
2.005	25.33	QP	56.00	30.67	L1	gnd
5.045	33.66	QP	60.00	26.34	L1	gnd
0.2	19.59	AV	53.61	34.02	L1	gnd
0.29	22.07	AV	50.52	28.45	L1	gnd
0.435	29.95	AV	47.16	17.21	L1	gnd
0.505	35.43	AV	46.00	10.57	L1	gnd
0.605	17.40	AV	46.00	28.60	L1	gnd
2.005	11.38	AV	46.00	34.62	L1	gnd
5.045	26.23	AV	50.00	23.77	L1	gnd



Conducted Data for 15.207 Neutral

Figure 3 - Neutral Scan



Pre-Scan Settings:

Start Freq.	Stop Freq.	Step	IF BW	Detector	Scan-Time	Atten.
0.15MHz	30MHz	5kHz	10kHz	PK/AV	20msec	0dB

Blue Trace: Peak Measurement Green Trace: Average Measurement
 Final Measurement: x = QP / + = AV at 2 second measurement time.

Table 9 - Neutral Scan Data

Frequency MHz	Level dBµV	Detector	Limit dBµV	Margin dB	Phase	PE
0.255	41.96	QP	61.59	19.63	N	gnd
0.42	47.15	QP	57.45	10.30	N	gnd
0.51	43.42	QP	56.00	12.58	N	gnd
0.95	26.34	QP	56.00	29.66	N	gnd
1.15	36.79	QP	56.00	19.21	N	gnd
1.36	38.26	QP	56.00	17.74	N	gnd
5.105	39.00	QP	60.00	21.00	N	gnd
0.255	29.14	AV	51.59	22.45	N	gnd
0.42	40.36	AV	47.45	7.09	N	gnd
0.51	35.02	AV	46.00	10.98	N	gnd
0.95	12.28	AV	46.00	33.72	N	gnd
1.15	22.78	AV	46.00	23.22	N	gnd
1.36	27.83	AV	46.00	18.17	N	gnd
5.105	29.73	AV	50.00	20.27	N	gnd



Testing Cert #1007.01

Atlas Compliance & Engineering, Inc.
1792 Little Orchard Street
San Jose, CA 95125
Phone 408.971.9743
Fax 408-971-9783
Web www.atlasce.com



COMPLIANCE VERIFICATION REPORT

TEST CERTIFICATE

APPLICANT: ReZolt Corporation
1248 Reamwood Avenue
Sunnyvale, CA 94089

Trade Name: Wi-Fi Module

Model: RZ707MS-G1N

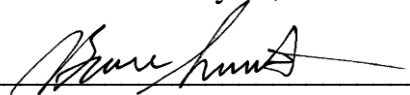
I HEREBY CERTIFY THAT:

The measurements shown in this report were made in accordance with the procedures indicated and that the energy emitted by this equipment, as received, was found to be within the FCC CFR 47 Part 15 Subpart C section 15.247 requirements. This also satisfies the Industry Canada RSS-210 requirements. Additionally, it should be noted that the results in this report apply only to the items tested, as identified herein.

I FURTHER CERTIFY THAT:

On the basis of the measurements taken at the test site, the equipment tested is capable of operation in compliance with the requirements set forth in FCC CFR 47 Part 15.207, 15.209 and 15.247 Rules and Regulations and Industry Canada RSS-210.

On this Date: May 24, 2012



Bruce Smith
Atlas Compliance & Engineering, Inc.

Printed Name

Signature
ReZolt Corporation Representative