

FCC Part 15C Measurement and Test Report

For

Compumax Computer S.A.S

Calle 41 N 35-47 Bucaramanga, Santander, 680003, Colombia

FCC ID: 2AHF76034-805-0000

FCC Rule(s):	<u>FCC Part 15.247</u>	
Product Description:	<u>COMPUMAX BLUE TWv2</u>	
Tested Model:	<u>6034-805-0000</u>	
Report No.:	<u>STR16108062I-1</u>	
Tested Date:	<u>2016-10-14 to 2016-10-21</u>	
Issued Date:	<u>2016-10-21</u>	
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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen SEM.Test Technology Co., Ltd.

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: Compumax Computer S.A.S
Address of applicant: Calle 41 N 35-47 Bucaramanga, Santander, 680003, Colombia

Manufacturer: Compumax Computer S.A.S
Address of manufacturer: Calle 41 N 35-47 Bucaramanga, Santander, 680003, Colombia

General Description of EUT	
Product Name:	COMPUMAX BLUE TWv2
Trade Name:	COMPUMAX
Model No.:	6034-805-0000
Rated Voltage:	DC 3.7V/8100mAh battery
Power Adapter Model:	3SP Power Adapter TS 5200 I/P: AC 100-240V, 50/60Hz; O/P: DC 5V
<i>Note: The test data is gathered from a production sample provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Support Standards:	802.11b, 802.11g, 802.11n
Frequency Range:	2412-2462MHz
RF Output Power:	9.79 dBm (Conducted)
Type of Modulation:	CCK, OFDM, QPSK, BPSK, 16QAM, 64QAM
Data Rate:	1-11Mbps, 6-54Mbps, up to 150Mbps
Quantity of Channels:	11
Channel Separation:	5MHz
Type of Antenna:	Integral
Antenna Gain:	1.18 dBi
Lowest Internal Frequency	32.768kHz

1.2 Test Standards

The following report is prepared on behalf of the Compumax Computer S.A.S in accordance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 of the Federal Communication Commissions rules.

The objective is to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 of the Federal Communication Commissions rules.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices, and ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz. The measurement guide KDB 558074 D01 v03r05 for digital transmission systems shall be performed also.

1.4 Test Facility

FCC – Registration No.: 934118

Shenzhen SEM.Test Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files and the Registration is 934118.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Shenzhen SEM.Test Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

CNAS Registration No.: L4062

Shenzhen SEM.Test Technology Co., Ltd. is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L4062. All measurement facilities used to collect the measurement data are located at 1/F, Building A, Hongwei Industrial Park, Liuxian 2nd Road, Bao'an District, Shenzhen, P.R.C (518101).

1.5 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

Test Mode List		
Test Mode	Description	Remark
TM1	802.11b	2412MHz, 2437MHz, 2462MHz
TM2	802.11g	2412MHz, 2437MHz, 2462MHz
TM3	802.11n-HT20	2412MHz, 2437MHz, 2462MHz

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
USB Cable 1	1.0	Shielded	Unshielded
USB Cable 2	1.0	Unshielded	Unshielded
USB Cable 3	0.1	Unshielded	Unshielded
Earphone Cable	1.0	Unshielded	Unshielded

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
/	/	/	/

1.6 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
RF Output Power	Conducted	$\pm 0.42\text{dB}$
Occupied Bandwidth	Conducted	$\pm 1.5\%$
Power Spectral Density	Conducted	$\pm 1.8\text{dB}$
Conducted Emissions	Conducted	$\pm 2.88\text{dB}$
Transmitter Spurious Emissions	Radiated	$\pm 5.1\text{dB}$

1.7 Test Equipment List and Details

No.	Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
SEMT-1072	Spectrum Analyzer	Agilent	E4407B	MY41440400	2016-06-04	2017-06-03
SEMT-1031	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2016-06-04	2017-06-03
SEMT-1007	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2016-06-04	2017-06-03
SEMT-1008	Amplifier	Agilent	8447F	3113A06717	2016-06-04	2017-06-03
SEMT-1043	Amplifier	C&D	PAP-1G18	2002	2016-06-04	2017-06-03
SEMT-1011	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2016-06-04	2017-06-03
SEMT-1042	Horn Antenna	ETS	3117	00086197	2016-06-04	2017-06-03
SEMT-1121	Horn Antenna	ETS	3116B	00088203	2016-06-04	2017-06-03
SEMT-1069	Loop Antenna	Schwarz beck	FMZB 1516	9773	2016-06-04	2017-06-03
SEMT-1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2016-06-04	2017-06-03
SEMT-1003	L.I.S.N	Schwarz beck	NSLK8126	8126-224	2016-06-04	2017-06-03
SEMT-1002	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2016-06-04	2017-06-03

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test Item	Result
§ 2.1093	RF Exposure	Compliant
§ 15.203; § 15.247(b)(4)(i)	Antenna Requirement	Compliant
§ 15.207(a)	Conducted Emission	Compliant
§ 15.247(e)	Power Spectral Density	Compliant
§ 15.247(a)(2)	6 dB Bandwidth	Compliant
§ 15.247(b)(3)	RF Output Power	Compliant
§ 15.209(a)	Radiated Emission	Compliant
§ 15.247(d)	Band Edge (Out of Band Emissions)	Compliant

N/A: not applicable

3. RF Exposure

3.1 Standard Applicable

According to § 1.1307 and § 2.1093, the portable transmitter must comply the RF exposure requirements.

3.2 Test Result

This product complied with the requirement of the RF exposure, please see the RF Exposure Report.

4. Antenna Requirement

4.1 Standard Applicable

According to FCC Part 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.

4.2 Evaluation Information

This product has an integral antenna, fulfill the requirement of this section.

5. Power Spectral Density

5.1 Standard Applicable

According to 15.247(a)(1)(iii), 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.

5.2 Test Procedure

According to the KDB 558074 D01 v03r05, such specifications require that the same method as used to determine the conducted output power shall also be used to determine the power spectral density. The test method of power spectral density as below:

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set span to at least 1.5 times the OBW.
- c) Set RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- d) Set VBW $\geq 3 \times \text{RBW}$.
- e) Detector = power averaging (RMS) or sample detector (when RMS not available).
- f) Ensure that the number of measurement points in the sweep $\geq 2 \times \text{span/RBW}$.
- g) Sweep time = auto couple.
- h) Employ trace averaging (RMS) mode over a minimum of 100 traces.
- i) Use the peak marker function to determine the maximum amplitude level.
- j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span in order to meet the minimum measurement point requirement as the RBW is reduced).

5.3 Environmental Conditions

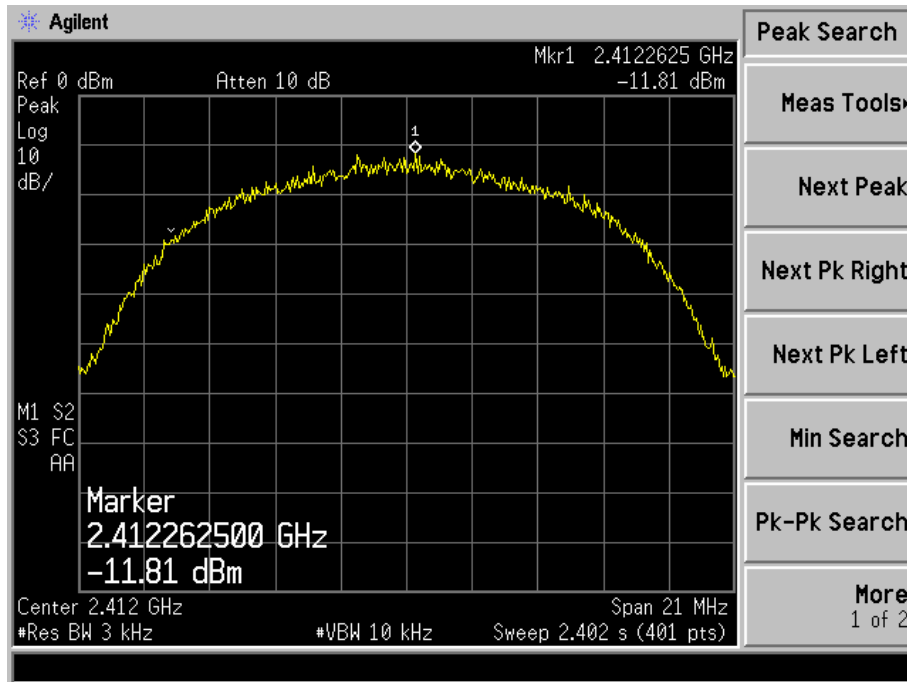
Temperature:	26° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

5.4 Summary of Test Results/Plots

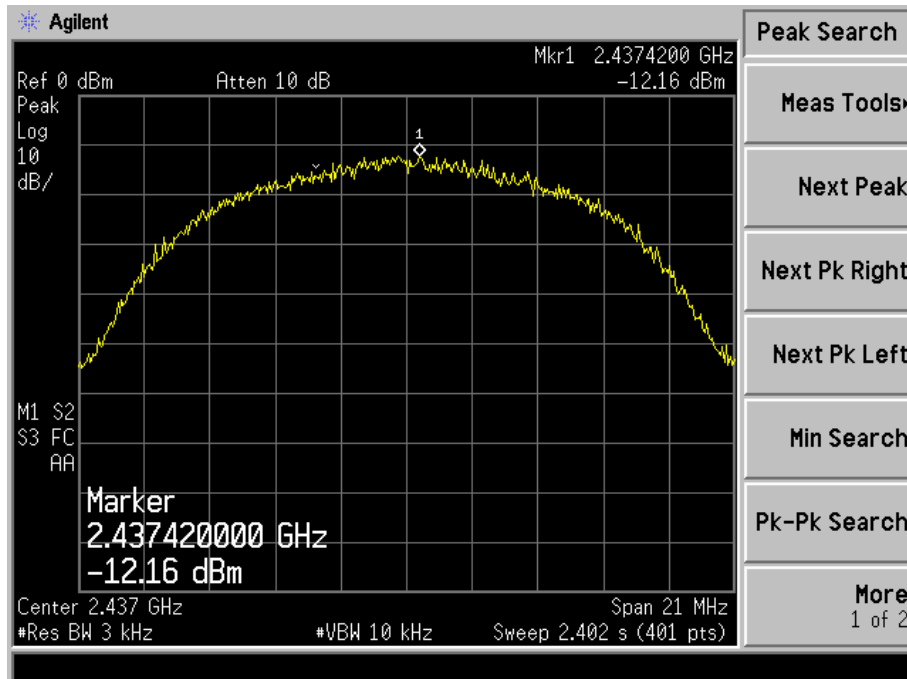
Test Mode	Test Channel MHz	Power Spectral Density dBm/3kHz	Limit dBm/3kHz
802.11b	2412	-11.81	8
	2437	-12.16	8
	2462	-11.65	8
802.11g	2412	-14.42	8
	2437	-13.32	8
	2462	-13.03	8
802.11n HT20	2412	-15.23	8
	2437	-14.23	8
	2462	-14.16	8

Please refer to the following test plots:

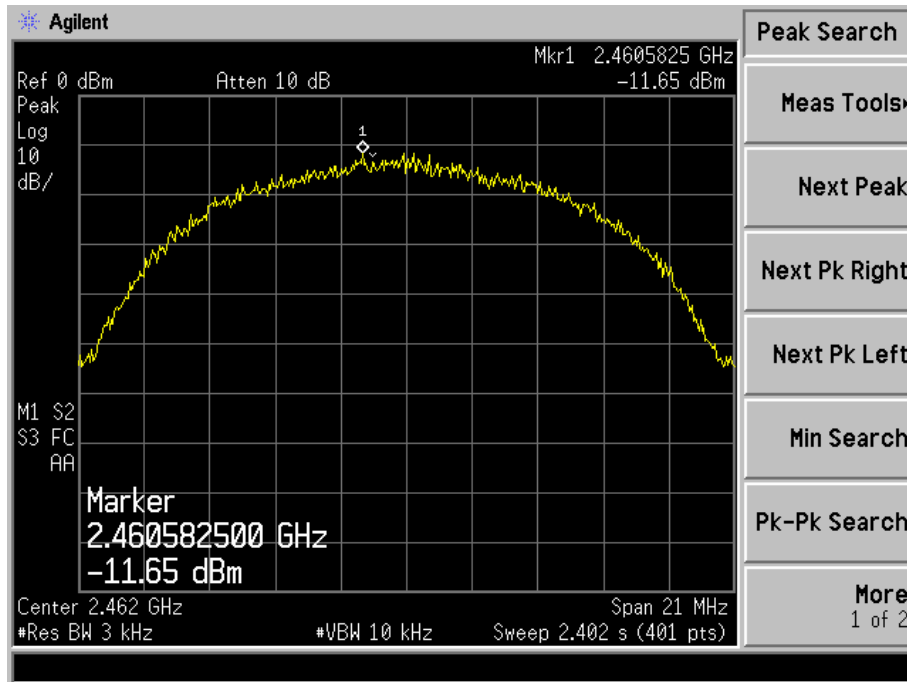
802.11b-Low Channel



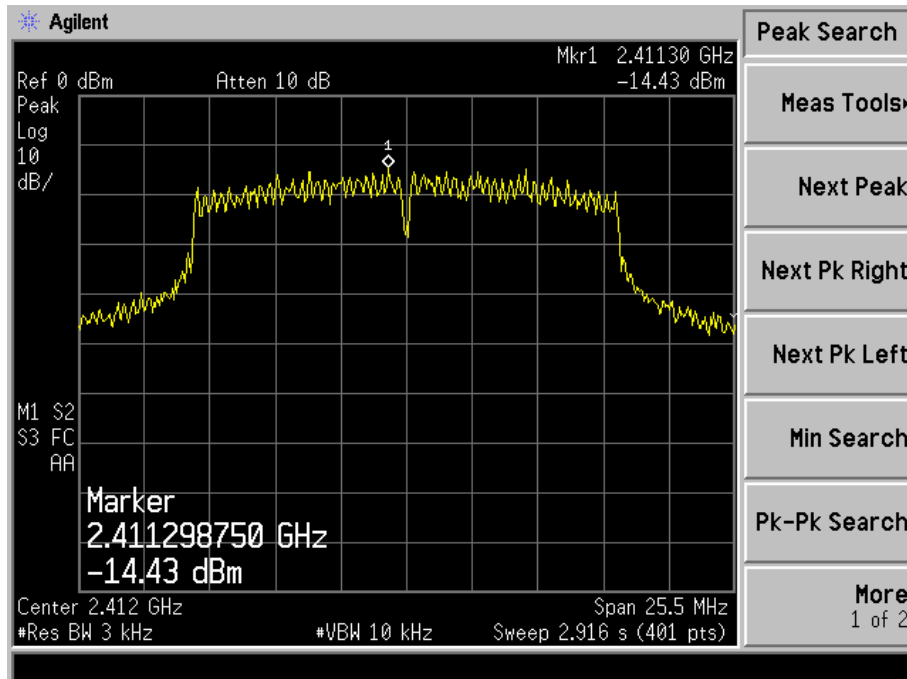
802.11b-Middle Channel



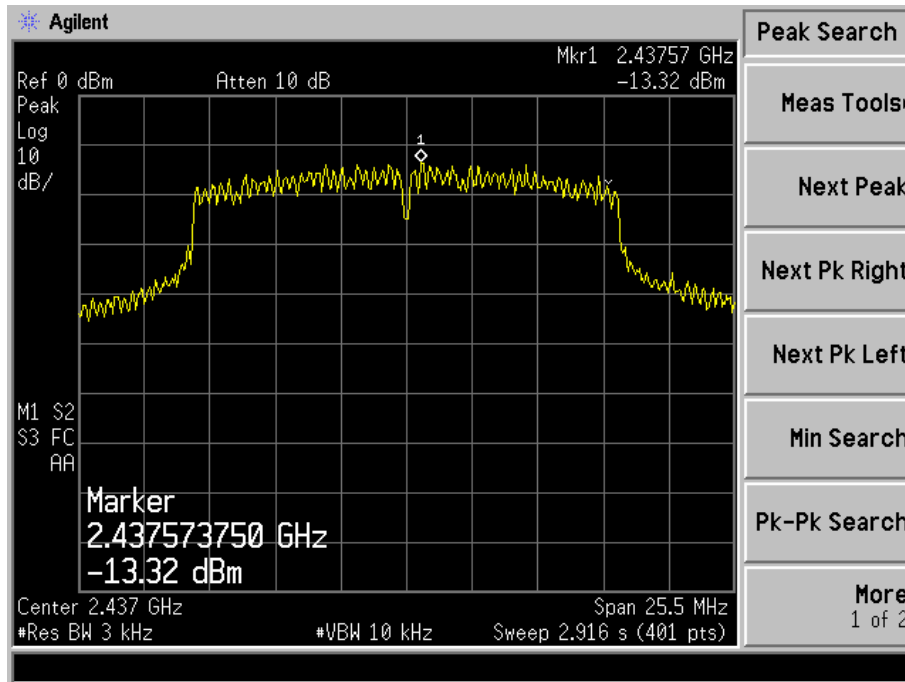
802.11b-High Channel



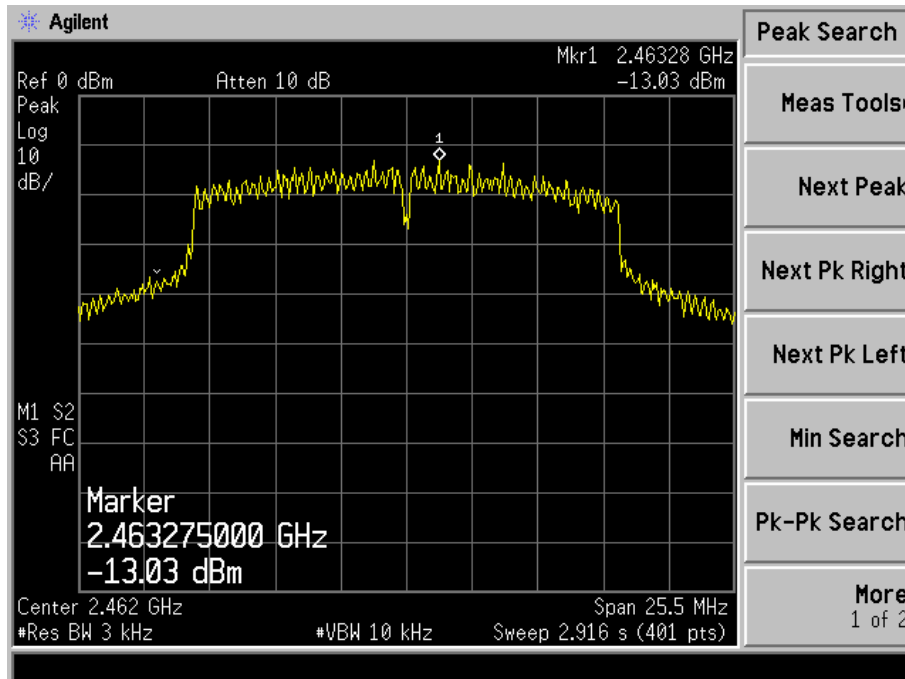
802.11g-Low Channel



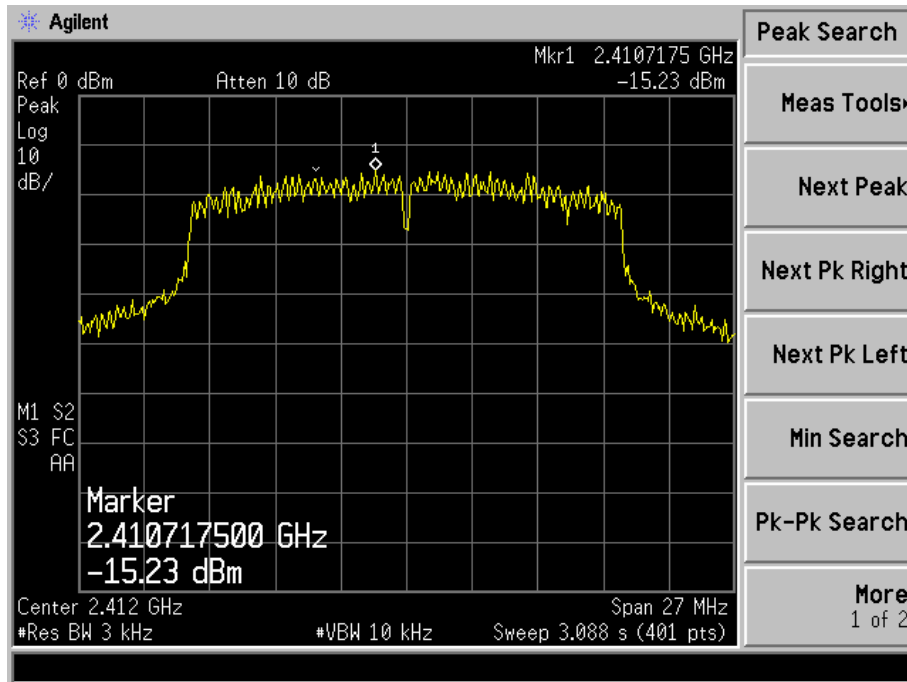
802.11g-Middle Channel



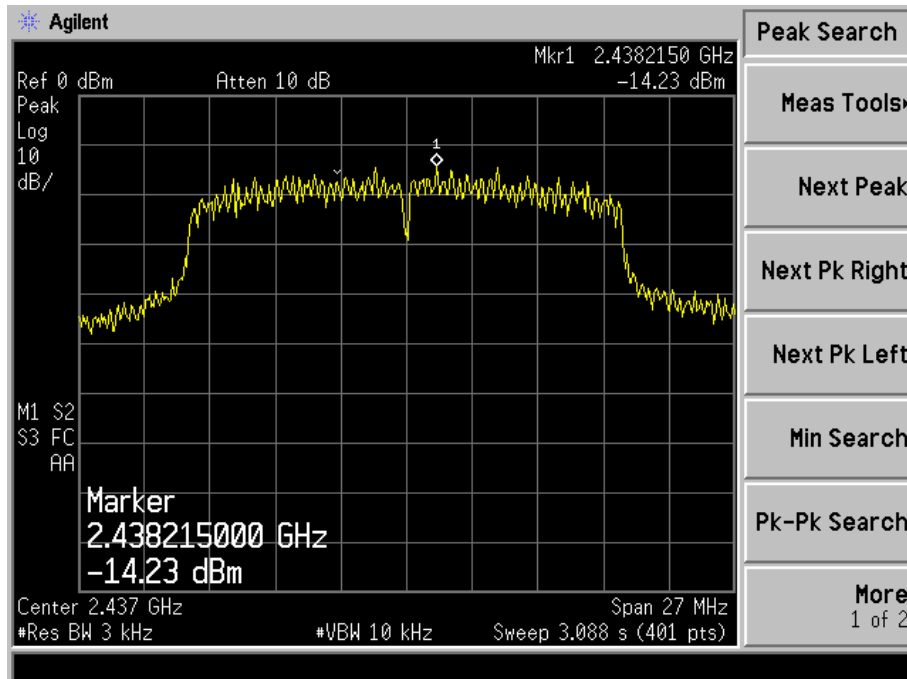
802.11g-High Channel



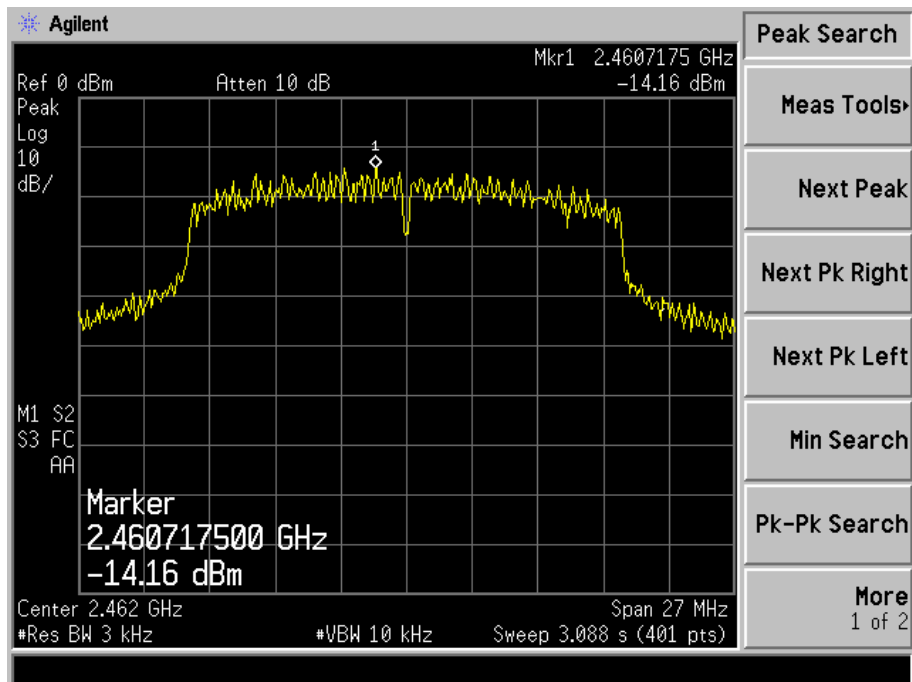
802.11n-HT20-Low Channel



802.11n-HT20-Middle Channel



802.11n-HT20-High Channel



6. 6dB Bandwidth

6.1 Standard Applicable

According to 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.

6.2 Test Procedure

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

6.3 Environmental Conditions

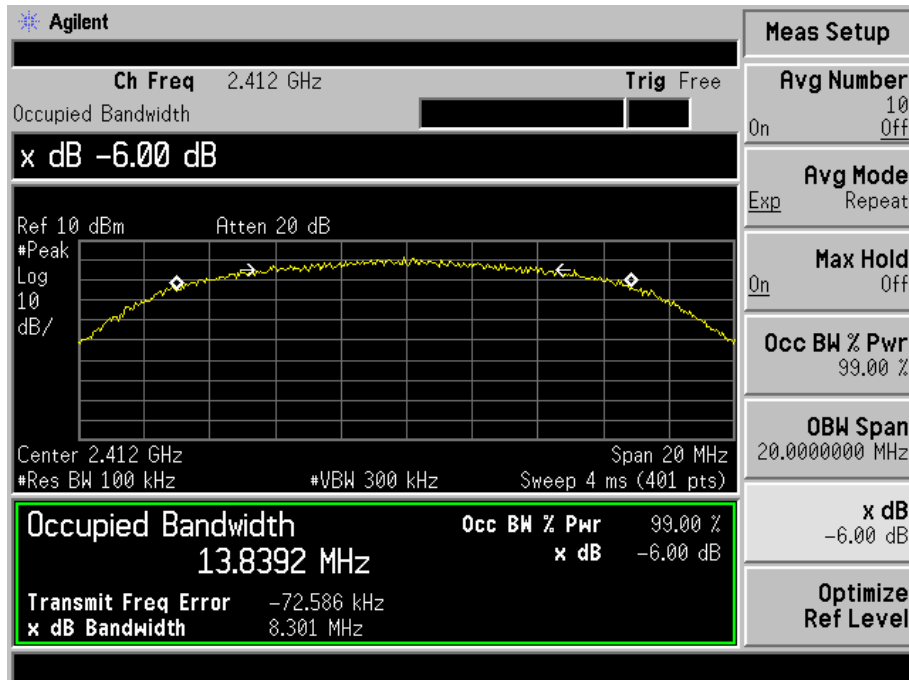
Temperature:	25° C
Relative Humidity:	53%
ATM Pressure:	1018 mbar

6.4 Summary of Test Results/Plots

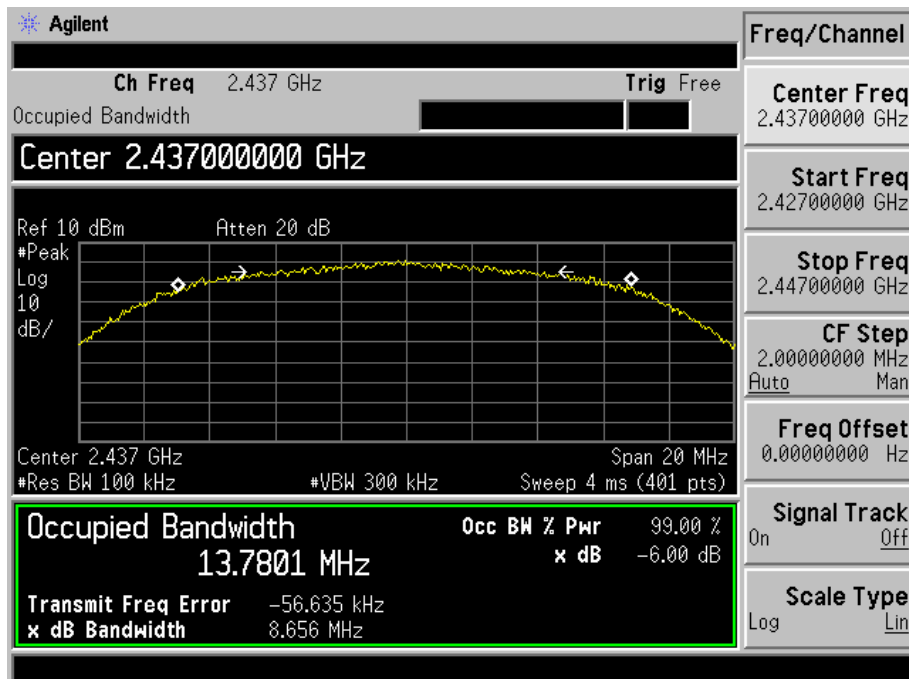
Test Mode	Test Channel MHz	6 dB Bandwidth kHz	99% Bandwidth kHz	Limit kHz
802.11b	2412	8301	13839.2	≥ 500
	2437	8656	13780.1	≥ 500
	2462	7721	13759.9	≥ 500
802.11g	2412	15096	16203.8	≥ 500
	2437	15424	16237.9	≥ 500
	2462	15478	16211.5	≥ 500
802.11n-HT20	2412	15386	17372.0	≥ 500
	2437	15767	17346.6	≥ 500
	2462	15530	17356.8	≥ 500

Please refer to the following test plots:

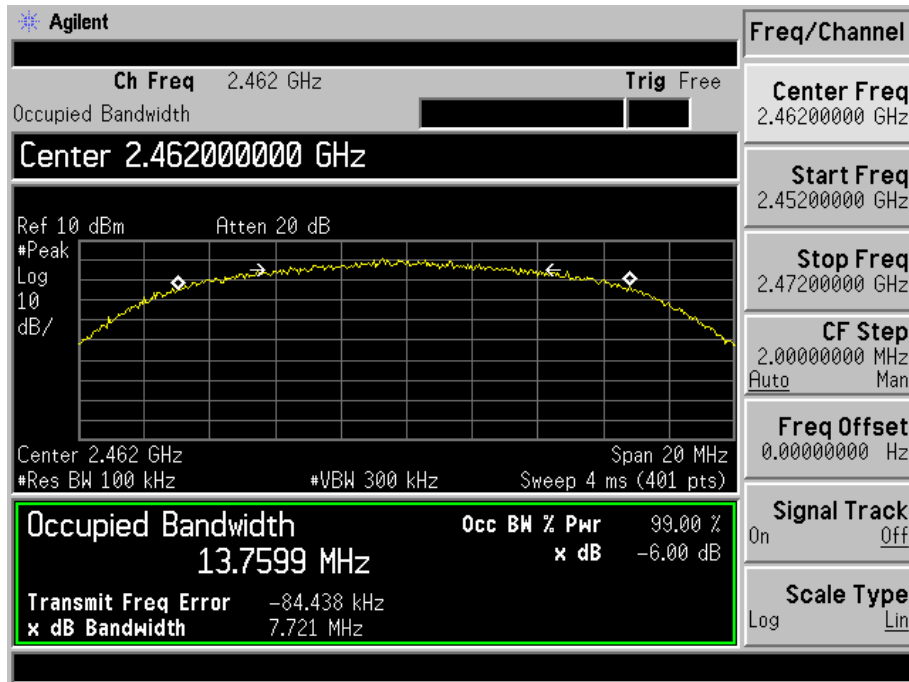
802.11b-Low Channel



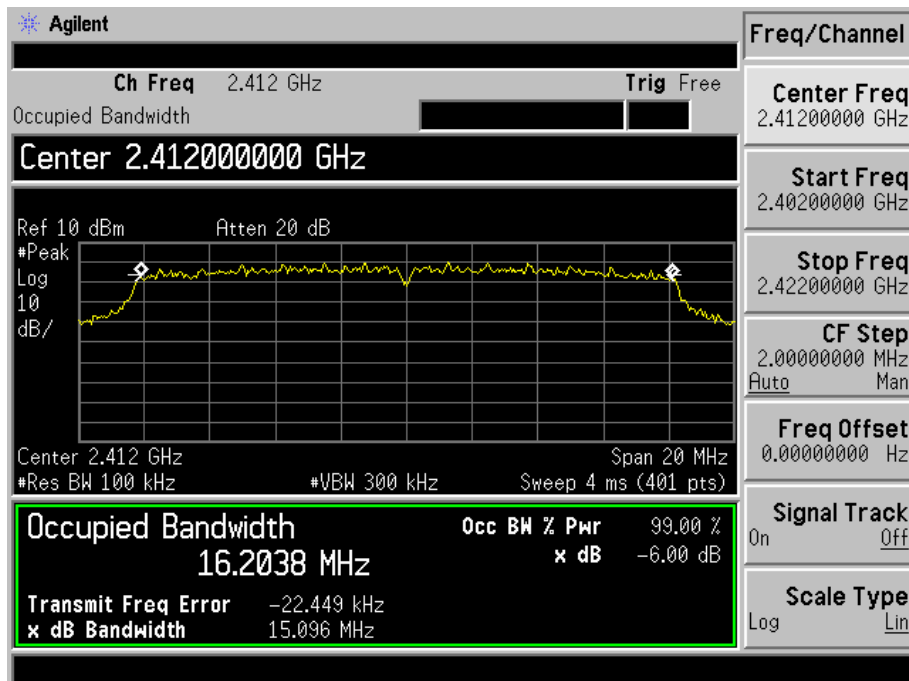
802.11b-Middle Channel



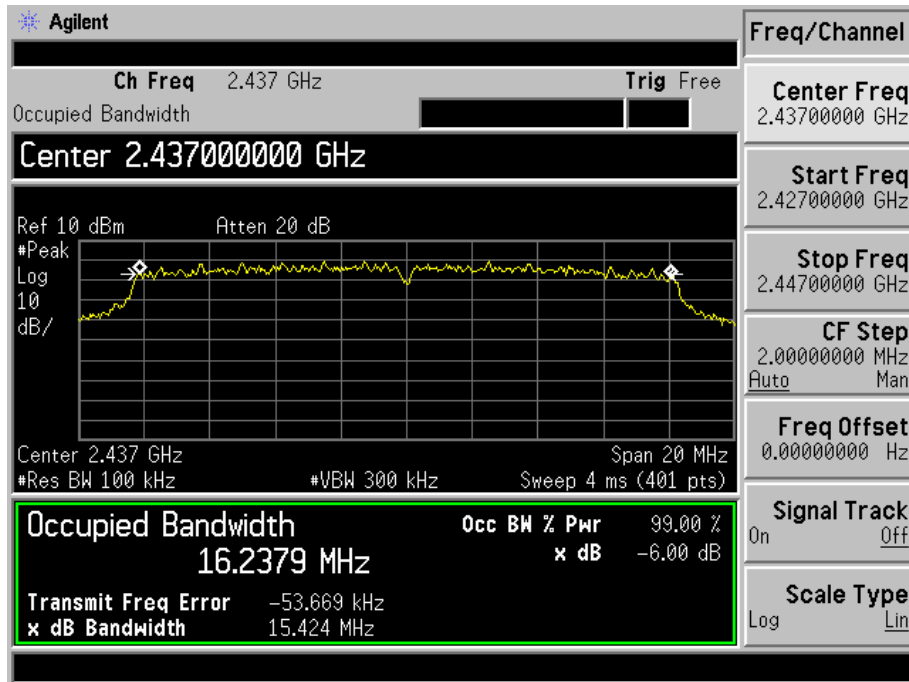
802.11b-High Channel



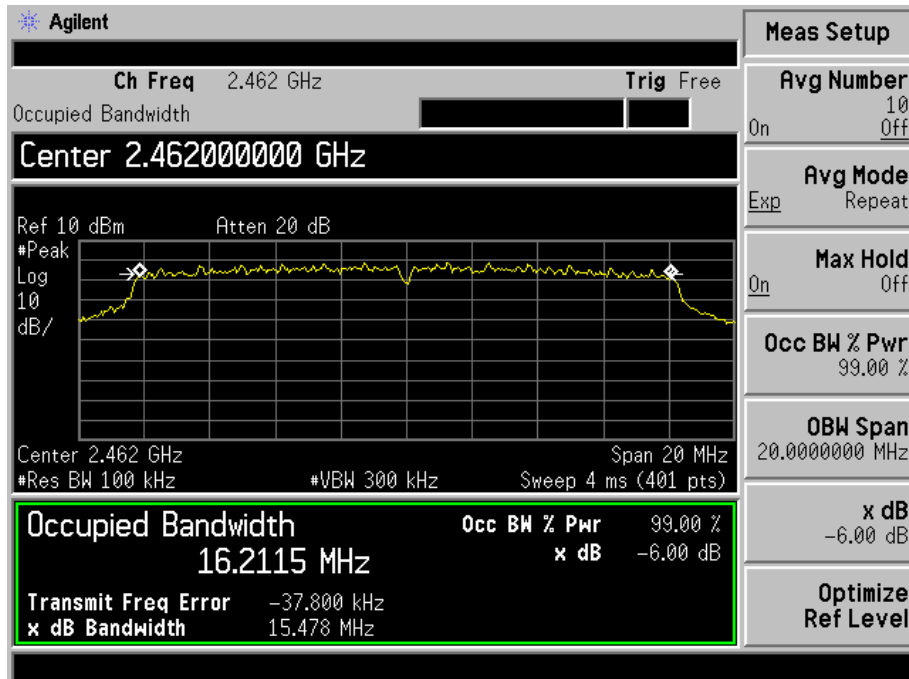
802.11g-Low Channel



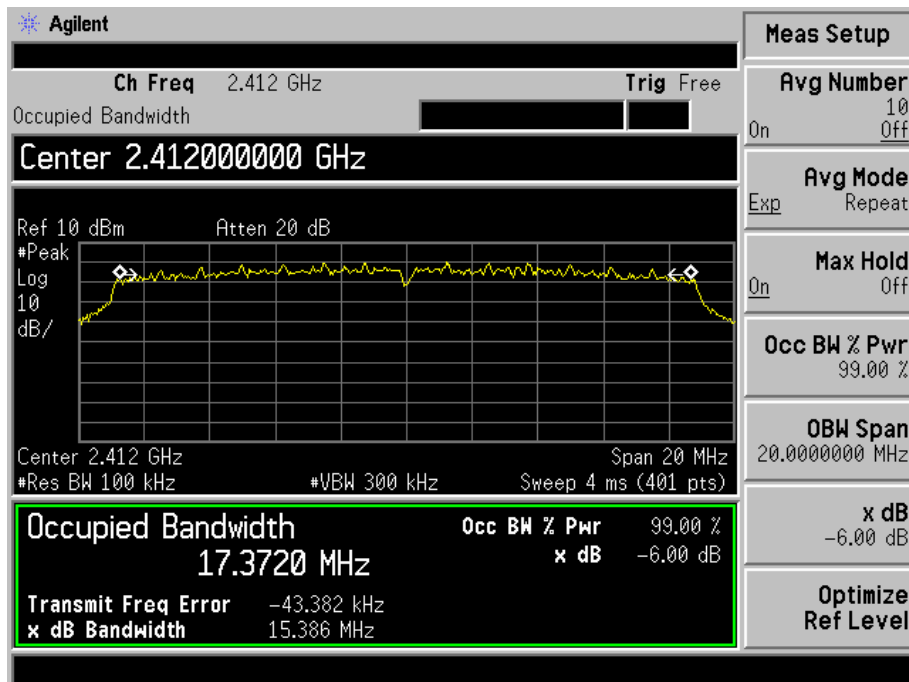
802.11g-Middle Channel



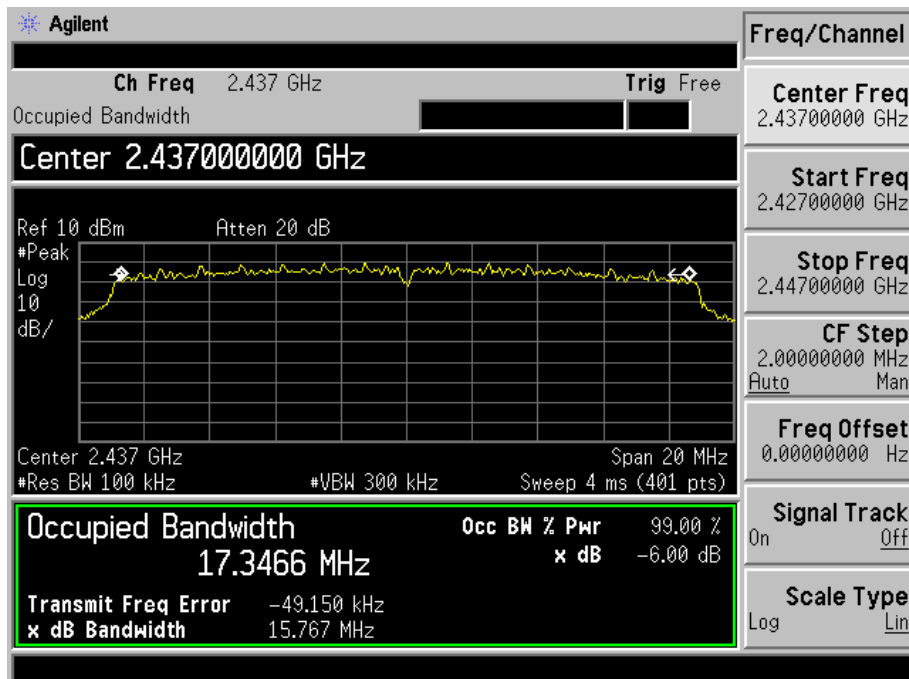
802.11g-High Channel



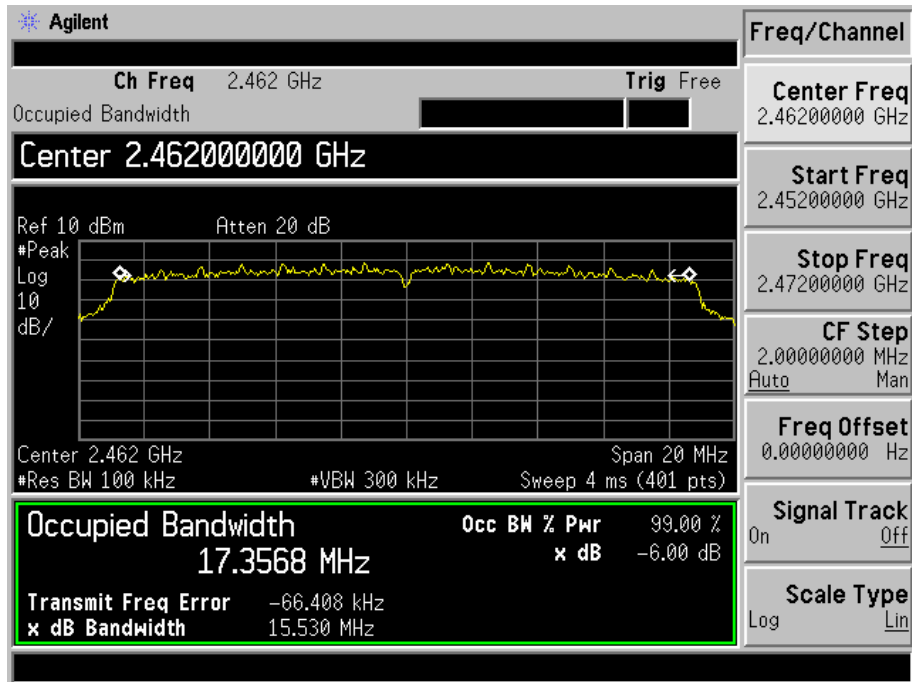
802.11n-HT20-Low Channel



802.11n-HT20-Middle Channel



802.11n-HT20-High Channel



7. RF Output Power

7.1 Standard Applicable

According to 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.

7.2 Test Procedure

According to the KDB-558074 D01 v03r05, 9.2.2.2, when this option is exercised, the measured power is to be referenced to the OBW rather than the DTS bandwidth

- a) Set span to at least 1.5 times the OBW.
- b) Set RBW = 1-5% of the OBW, not to exceed 1 MHz.
- c) Set VBW $\geq 3 \times$ RBW.
- d) Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. (This gives bin-to-bin spacing $\leq \text{RBW}/2$, so that narrowband signals are not lost between frequency bins.)
- e) Sweep time = auto.
- f) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- g) If transmit duty cycle $< 98\%$, use a sweep trigger with the level set to enable triggering only on full power pulses. The transmitter shall operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle $\geq 98\%$, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to “free run”.
- h) Trace average at least 100 traces in power averaging (i.e., RMS) mode.
- i) Compute power by integrating the spectrum across the OBW of the signal using the instrument’s band power measurement function, with band limits set equal to the OBW band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

7.3 Environmental Conditions

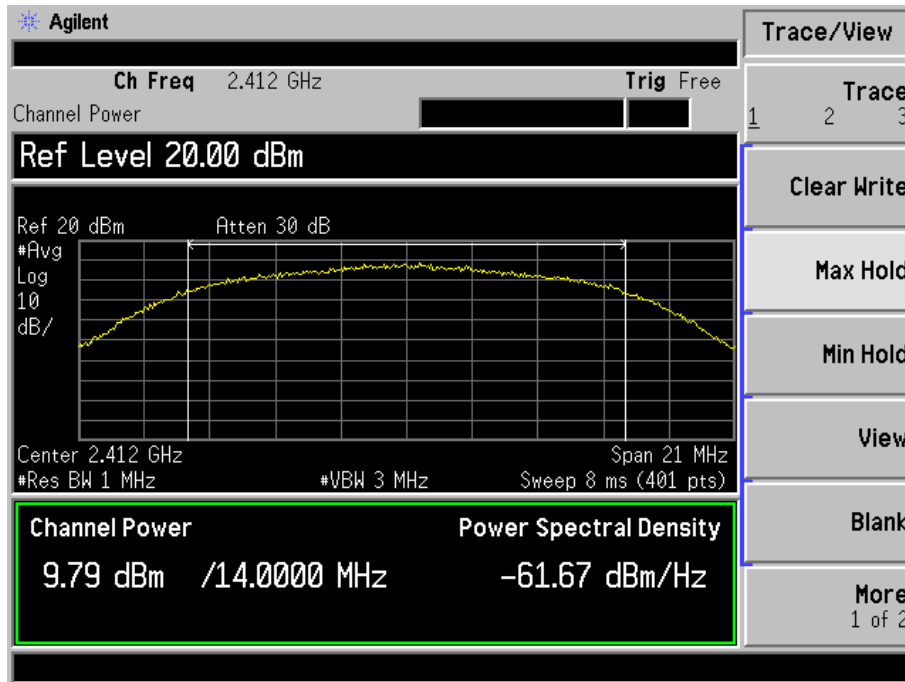
Temperature:	26° C
Relative Humidity:	57%
ATM Pressure:	1011 mbar

7.4 Summary of Test Results/Plots

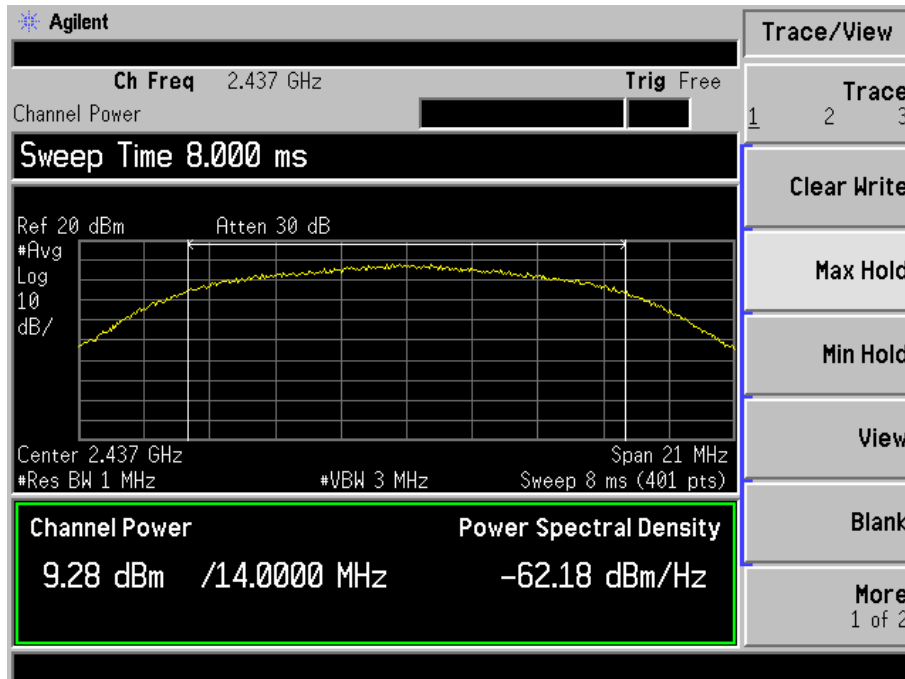
Test Mode	Frequency MHz	Reading dBm	Output Power mW	Limit mW
802.11b_11Mbps	2412	9.79	9.5280	1000
	2437	9.28	8.4723	1000
	2462	8.95	7.8524	1000
802.11g_54Mbps	2412	8.60	7.2444	1000
	2437	8.19	6.5917	1000
	2462	7.64	5.8076	1000
802.11n HT20_MCS7	2412	7.38	5.4702	1000
	2437	7.25	5.3088	1000
	2462	6.24	4.2073	1000

Please refer to the following test plots:

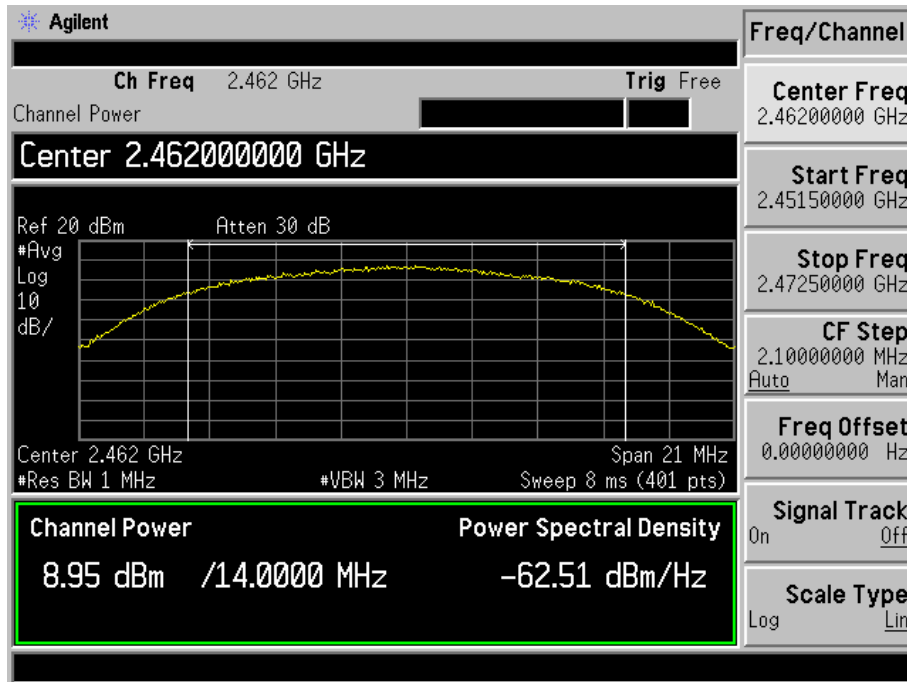
802.11-11Mbps-Low Channel



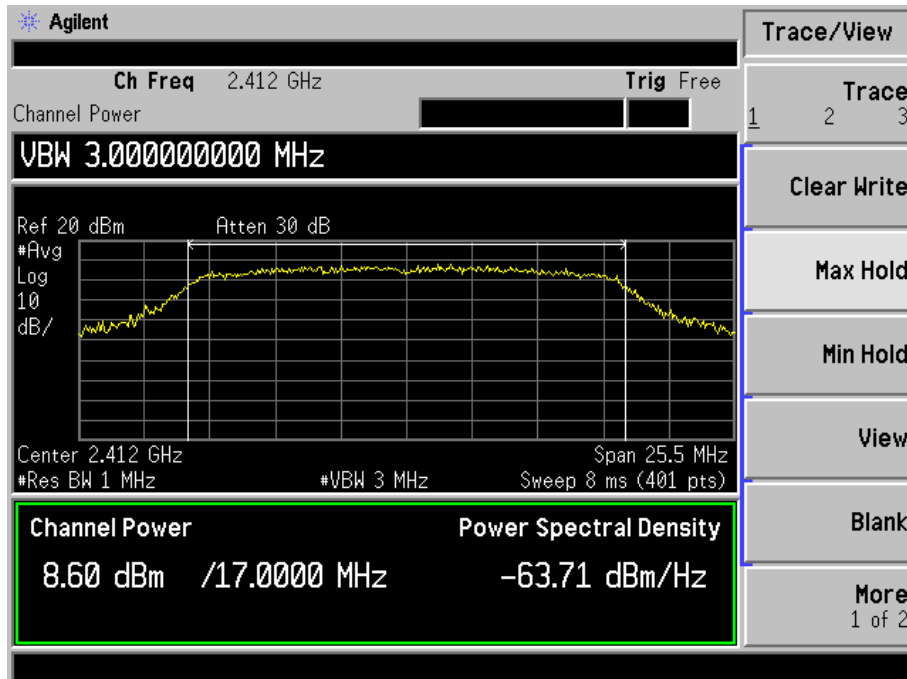
802.11b -11Mbps-Middle Channel



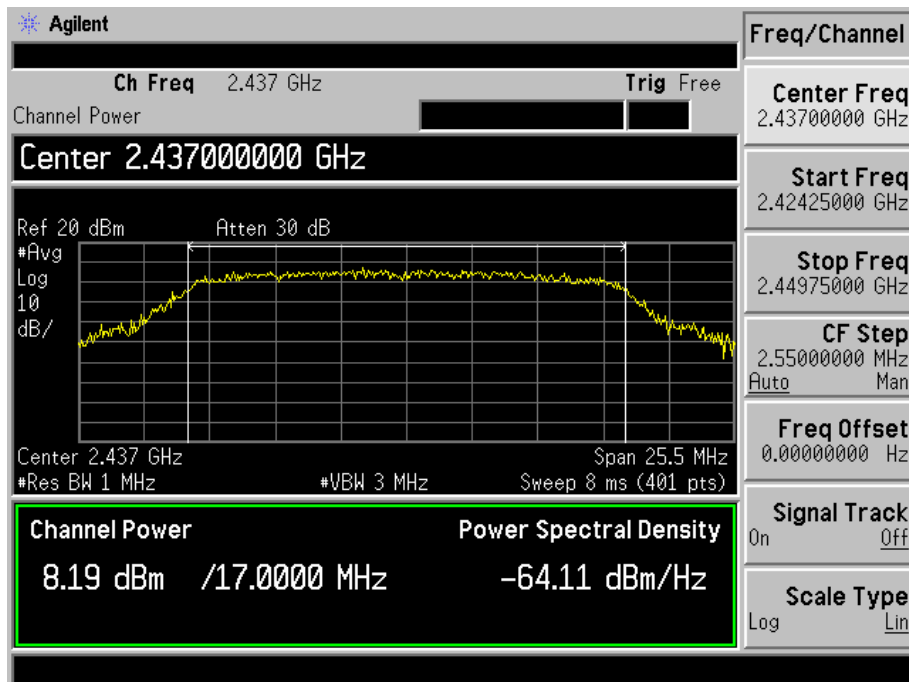
802.11b -11Mbps-High Channel



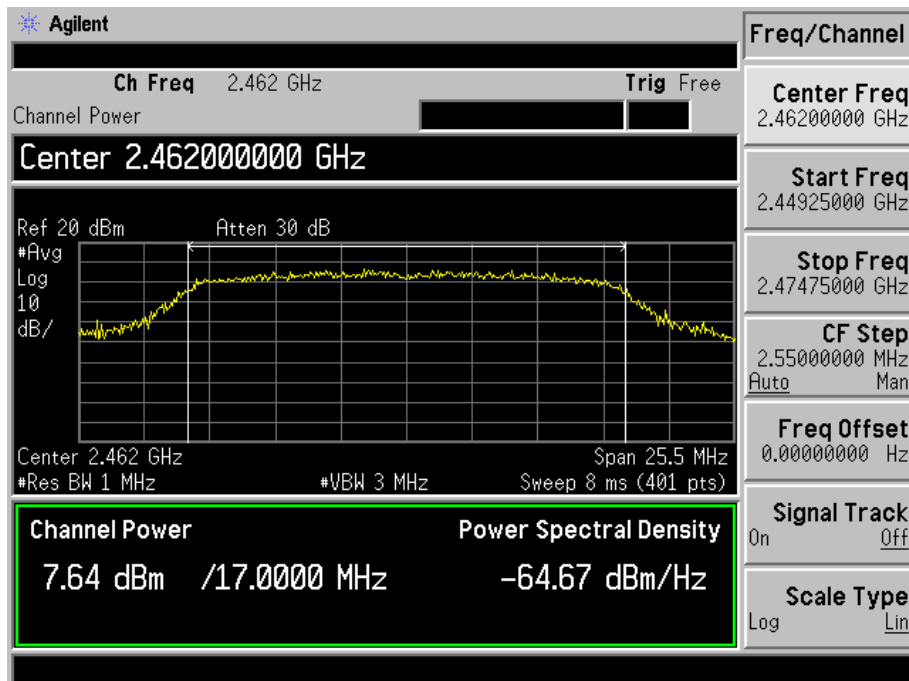
802.11g-54Mbps-Low Channel



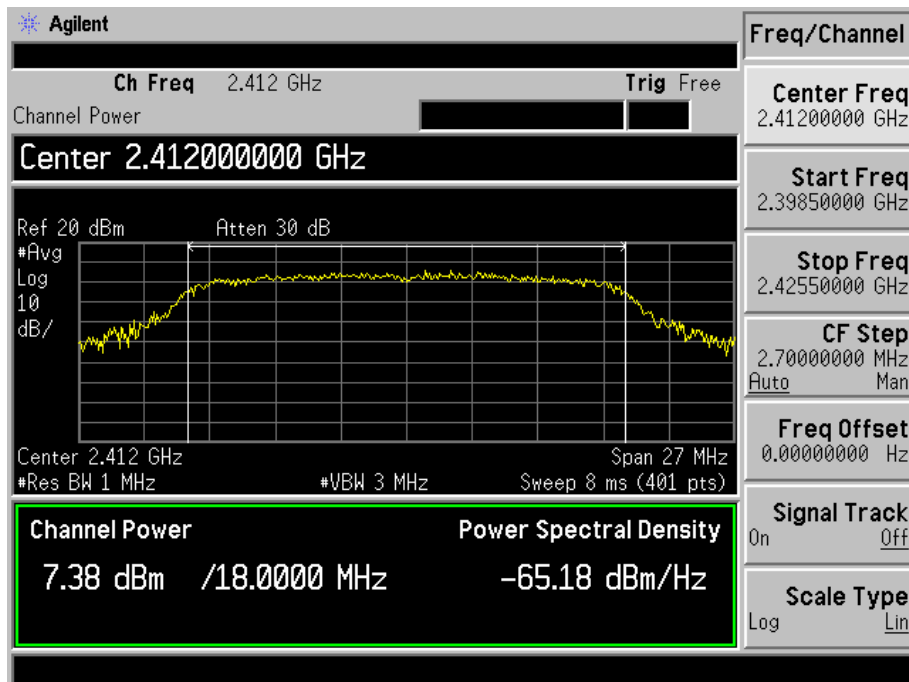
802.11g-54Mbps-Middle Channel



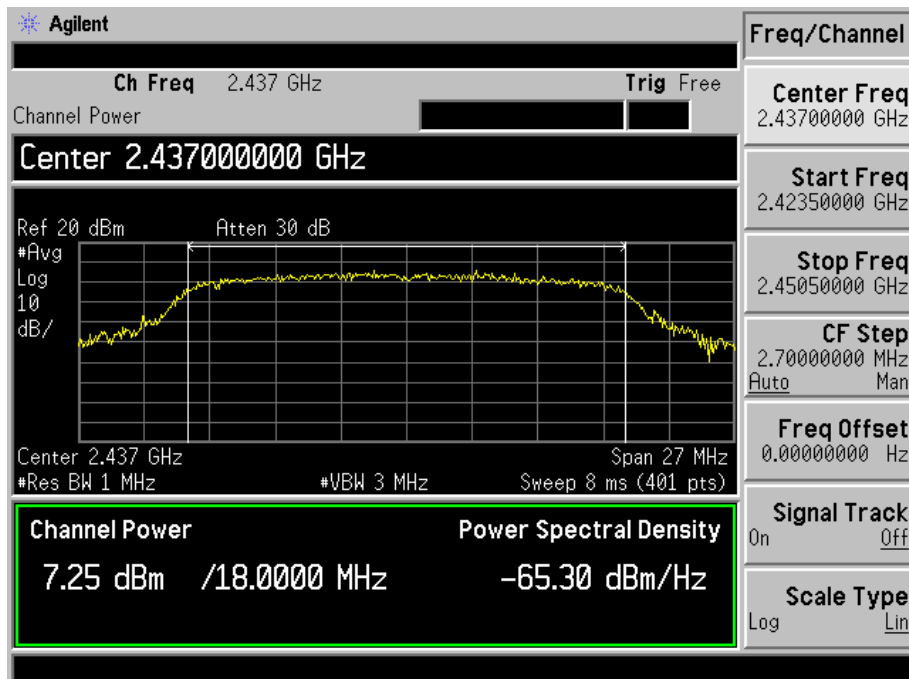
802.11g-54Mbps-High Channel



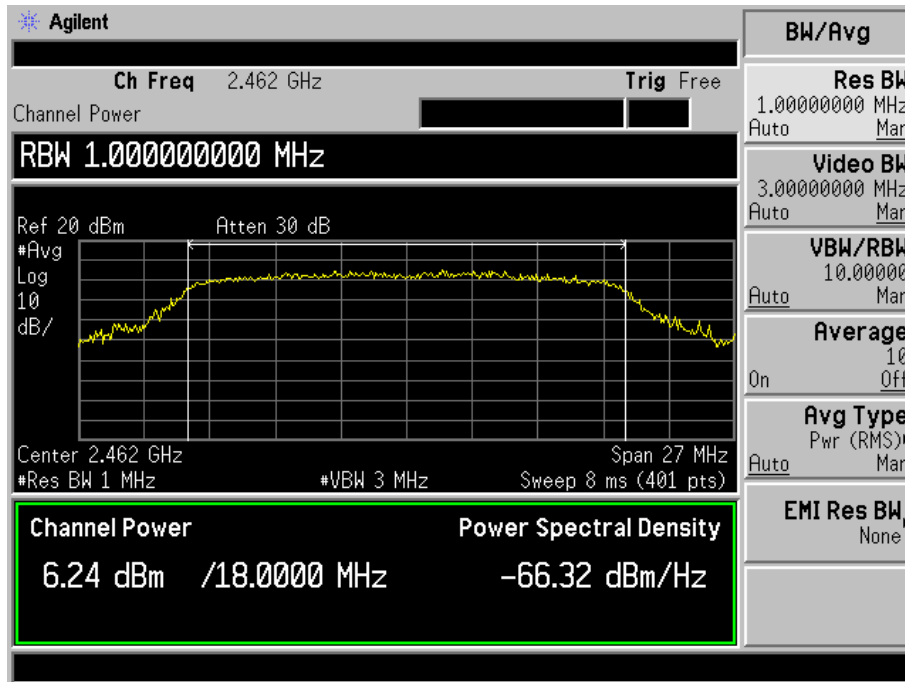
802.11n-HT20-MCS7-Low Channel



802.11n-HT20-MCS7-Middle Channel



802.11n-HT20-MCS7-High Channel



8. Field Strength of Spurious Emissions

8.1 Standard Applicable

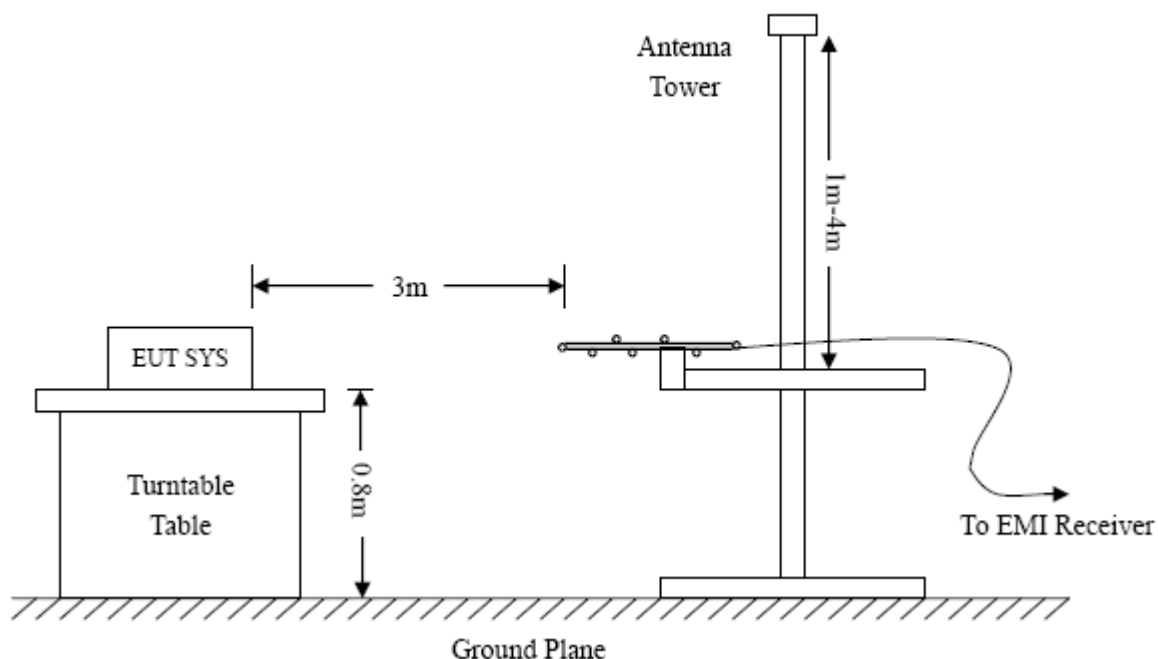
According to §15.247(d), in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within 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).

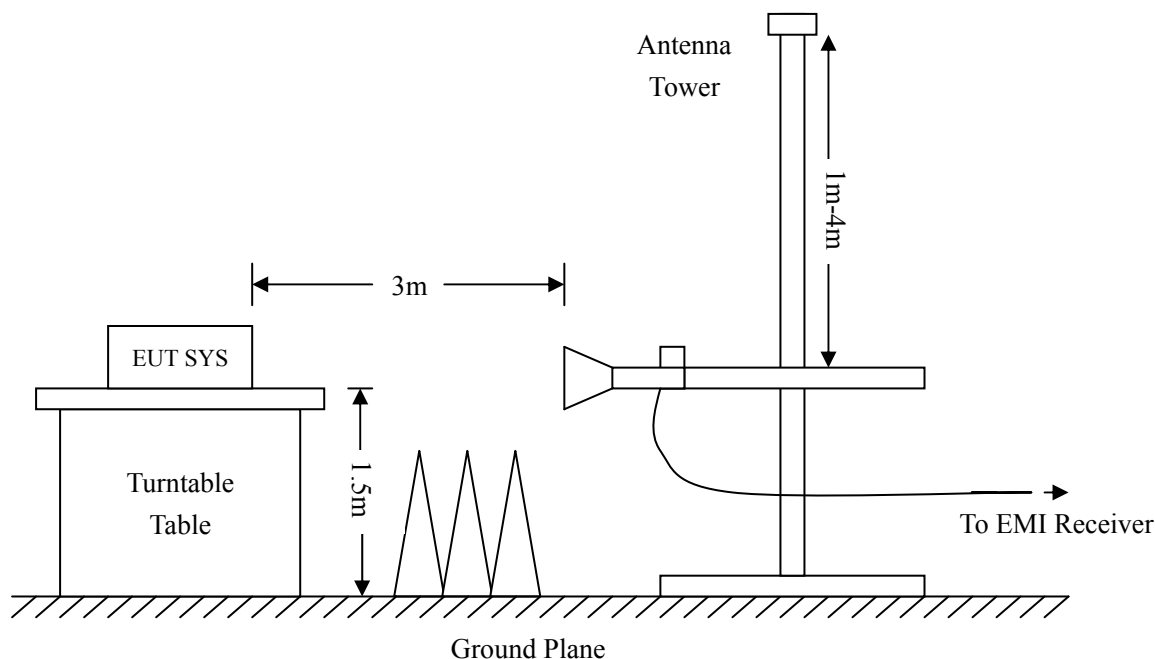
The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

8.2 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.247(a) and FCC Part 15.209 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.





Frequency :9kHz-30MHz

RBW=10KHz,

VBW =30KHz

Sweep time= Auto

Trace = max hold

Detector function = peak

Frequency :30MHz-1GHz

RBW=120KHz,

VBW=300KHz

Sweep time= Auto

Trace = max hold

Detector function = peak, QP

Frequency :Above 1GHz

RBW=1MHz,

VBW=3MHz(Peak), 10Hz(AV)

Sweep time= Auto

Trace = max hold

Detector function = peak, AV

8.3 Corrected Amplitude & Margin Calculation

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

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Ant. Factor} + \text{Cable Loss} - \text{Ampl. Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dBμV means the emission is 6dBμV below the maximum limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15 Limit}$$

8.4 Environmental Conditions

Temperature:	25 °C
Relative Humidity:	52%
ATM Pressure:	1012 mbar

8.5 Summary of Test Results/Plots

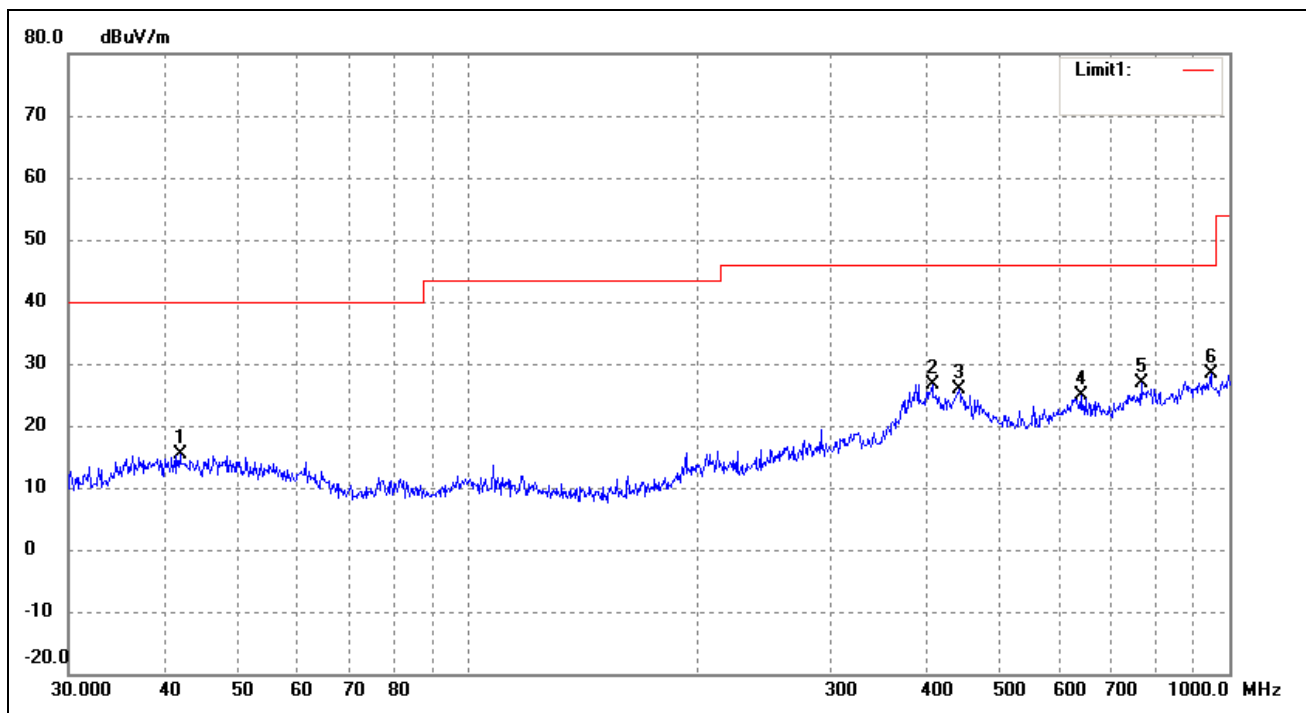
According to the data below, the FCC Part 15.205, 15.209 and 15.247 standards, and had the worst cases:

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

Plot of Radiated Emissions Test Data (30MHz to 1GHz)

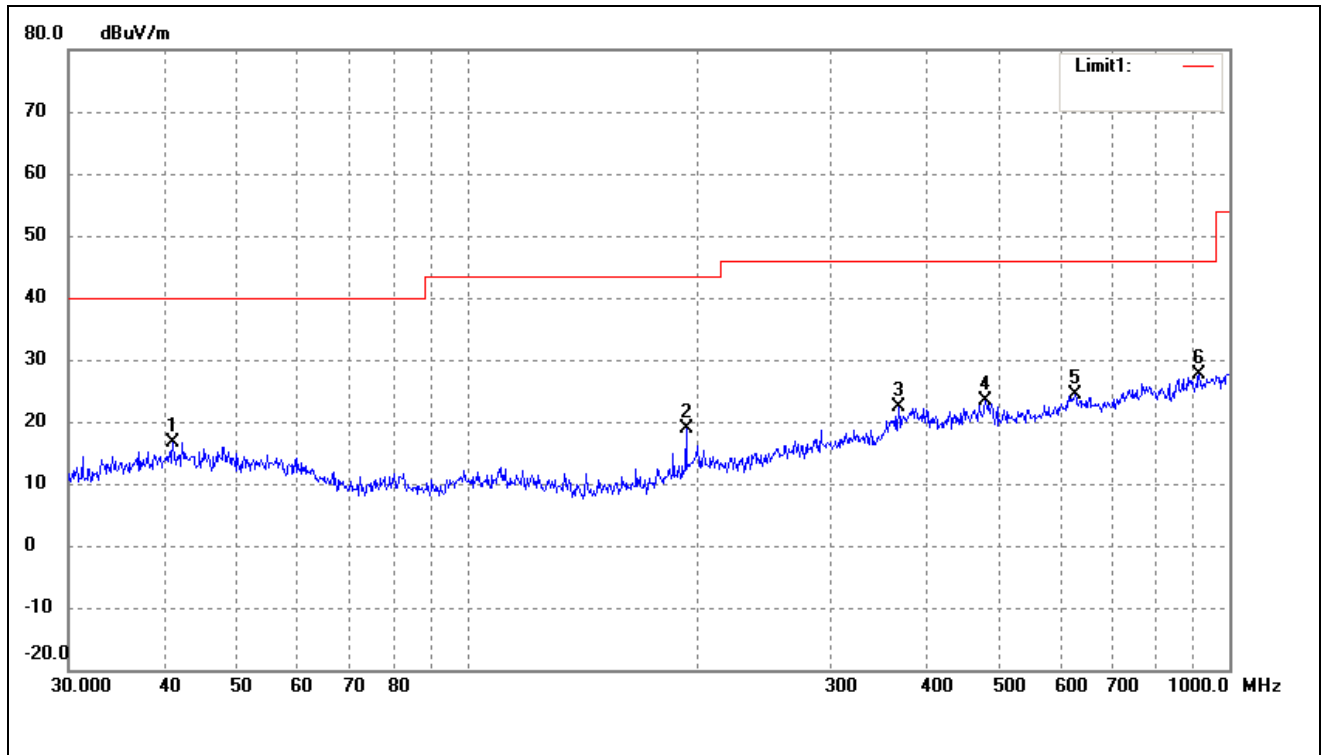
EUT: COMPUMAX BLUE TWv2
 Tested Model: 6034-805-0000
 Operating Condition: 802.11b Transmitting Low Channel-2412MHz
 Comment: DC 3.7V

Test Specification: Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	42.0065	23.24	-7.80	15.44	40.00	-24.56	62	100	peak
2	407.5144	30.00	-3.28	26.72	46.00	-19.28	83	100	peak
3	441.7425	28.77	-2.93	25.84	46.00	-20.16	135	100	peak
4	638.3686	24.21	0.76	24.97	46.00	-21.03	169	100	peak
5	766.0571	24.67	2.13	26.80	46.00	-19.20	210	100	peak
6	945.4398	24.18	4.08	28.26	46.00	-17.74	236	100	peak

Test Specification: Vertical

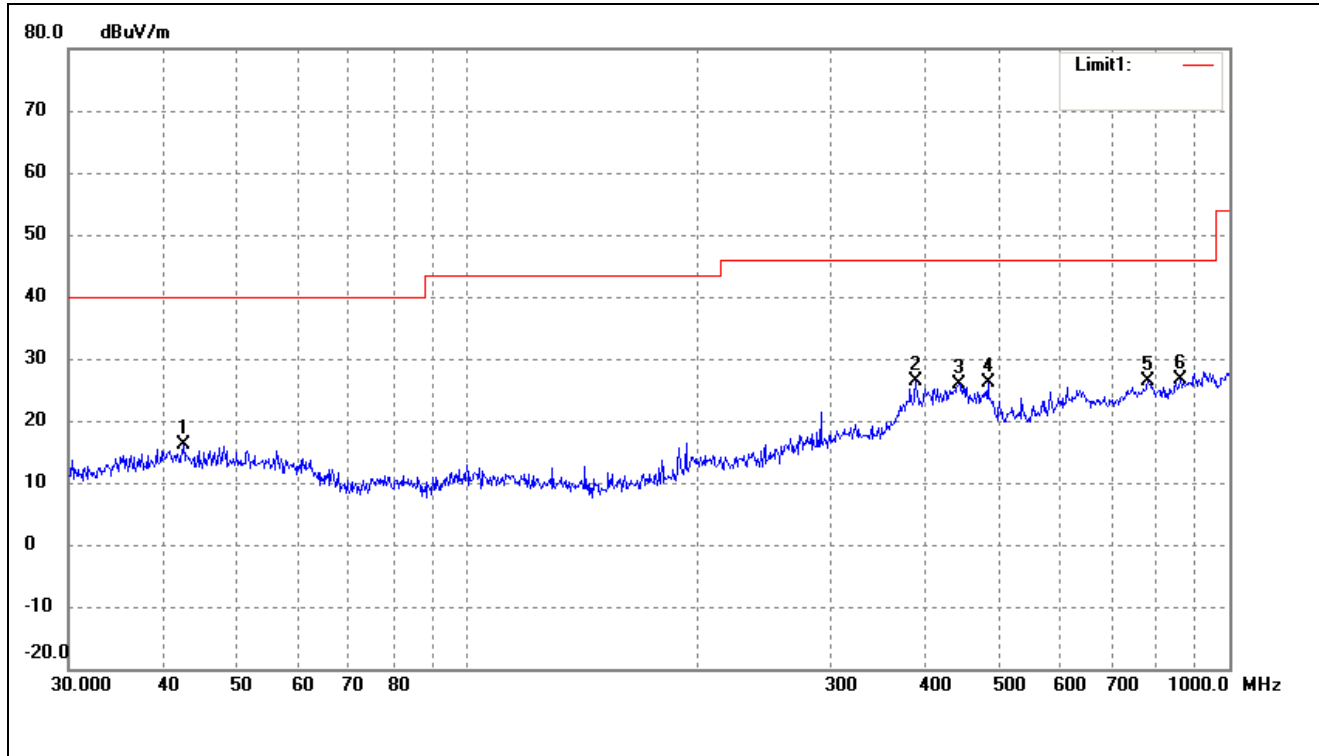


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	41.1319	24.48	-7.74	16.74	40.00	-23.26	45	100	peak
2	193.7727	28.34	-9.49	18.85	43.50	-24.65	97	100	peak
3	368.1116	25.20	-2.77	22.43	46.00	-23.57	138	100	peak
4	478.8455	24.48	-1.13	23.35	46.00	-22.65	169	100	peak
5	627.2738	23.29	1.05	24.34	46.00	-21.66	199	100	peak
6	912.8619	24.20	3.49	27.69	46.00	-18.31	245	100	peak

Operating Condition: 802.11b Transmitting Middle Channel-2437MHz

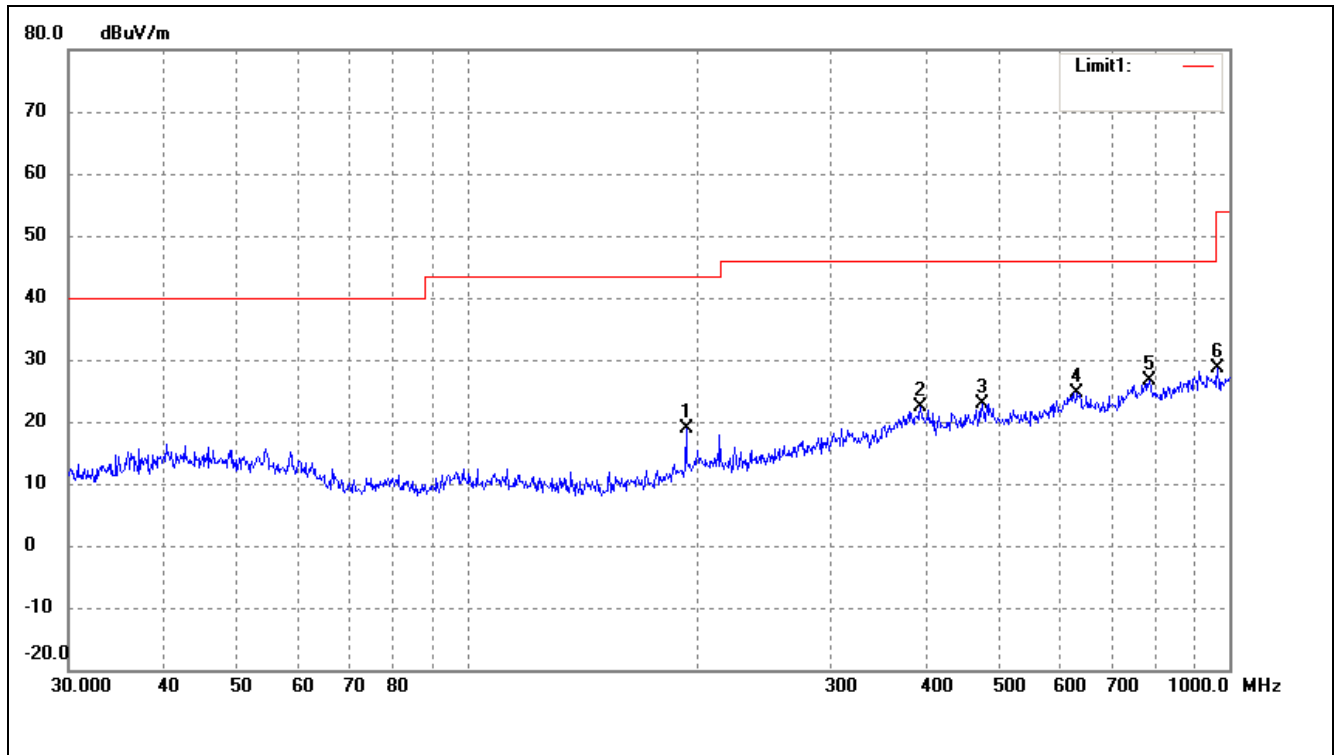
Comment: DC 3.7V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	42.4508	23.89	-7.83	16.06	40.00	-23.94	33	100	peak
2	387.9920	28.82	-2.51	26.31	46.00	-19.69	101	100	peak
3	441.7425	28.75	-2.93	25.82	46.00	-20.18	146	100	peak
4	482.2155	27.20	-1.17	26.03	46.00	-19.97	179	100	peak
5	782.3452	23.67	2.78	26.45	46.00	-19.55	224	100	peak
6	863.0561	23.55	2.97	26.52	46.00	-19.48	285	100	peak

Test Specification: Vertical

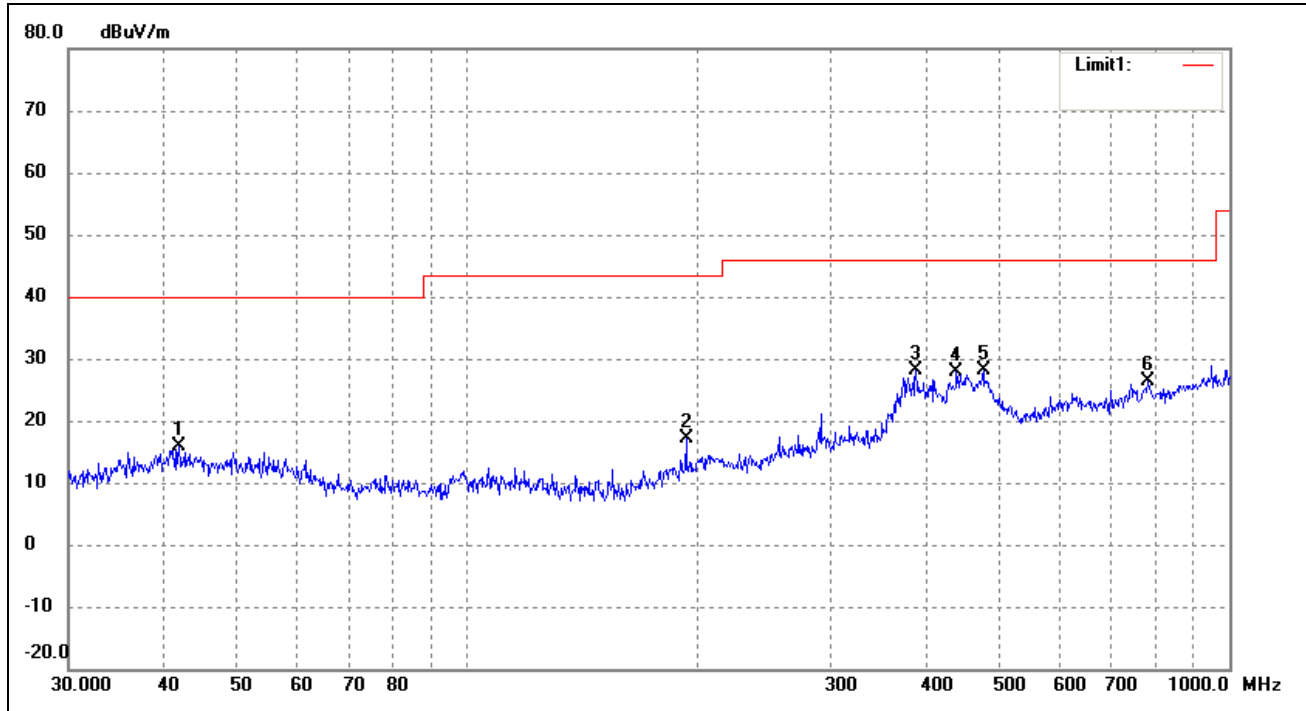


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	193.7727	28.44	-9.49	18.95	43.50	-24.55	60	100	peak
2	393.4723	25.25	-2.80	22.45	46.00	-23.55	83	100	peak
3	473.8346	24.42	-1.54	22.88	46.00	-23.12	125	100	peak
4	631.6884	23.78	0.93	24.71	46.00	-21.29	184	100	peak
5	785.0934	23.87	2.65	26.52	46.00	-19.48	241	100	peak
6	965.5421	24.93	3.67	28.60	54.00	-25.40	297	100	peak

Operating Condition: 802.11b Transmitting High Channel-2462MHz

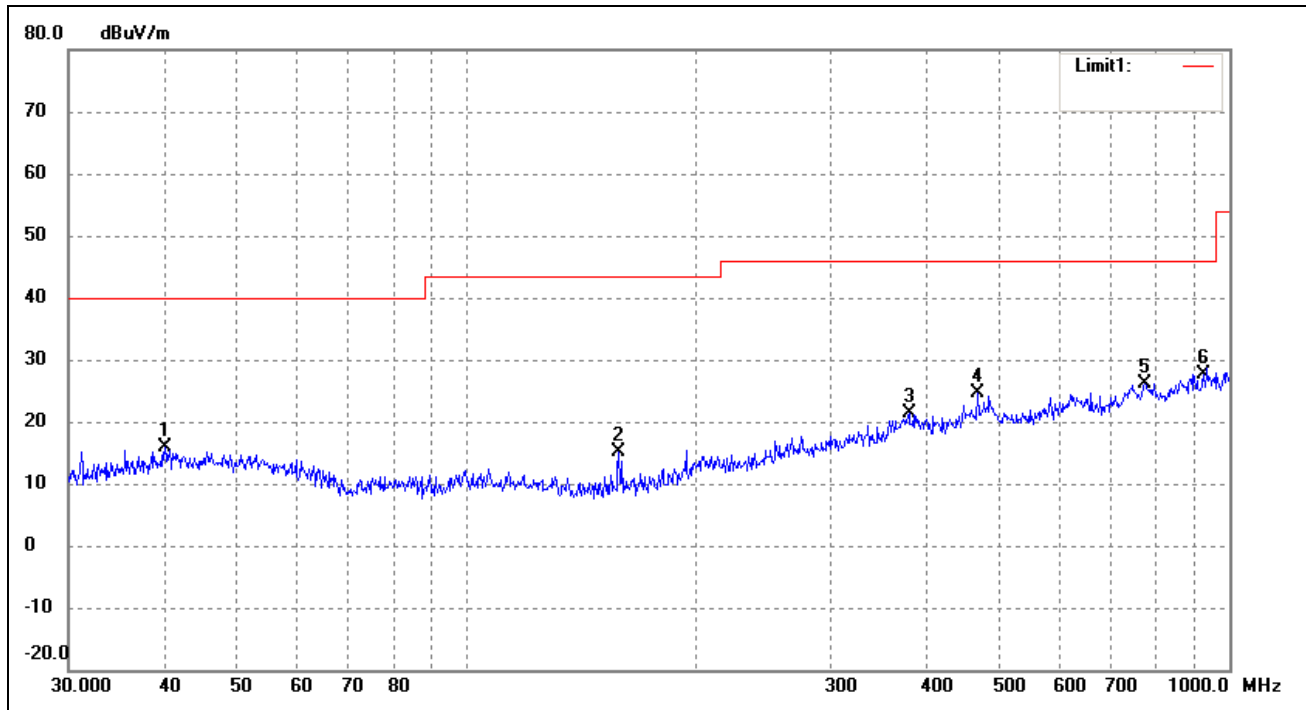
Comment: DC 3.7V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	41.8596	23.69	-7.79	15.90	40.00	-24.10	42	100	peak
2	193.7727	26.50	-9.49	17.01	43.50	-26.49	85	100	peak
3	387.9920	30.59	-2.51	28.08	46.00	-17.92	167	100	peak
4	438.6553	30.82	-2.98	27.84	46.00	-18.16	210	100	peak
5	475.4990	29.47	-1.42	28.05	46.00	-17.95	267	100	peak
6	782.3452	23.71	2.78	26.49	46.00	-19.51	321	100	peak

Test Specification: Vertical

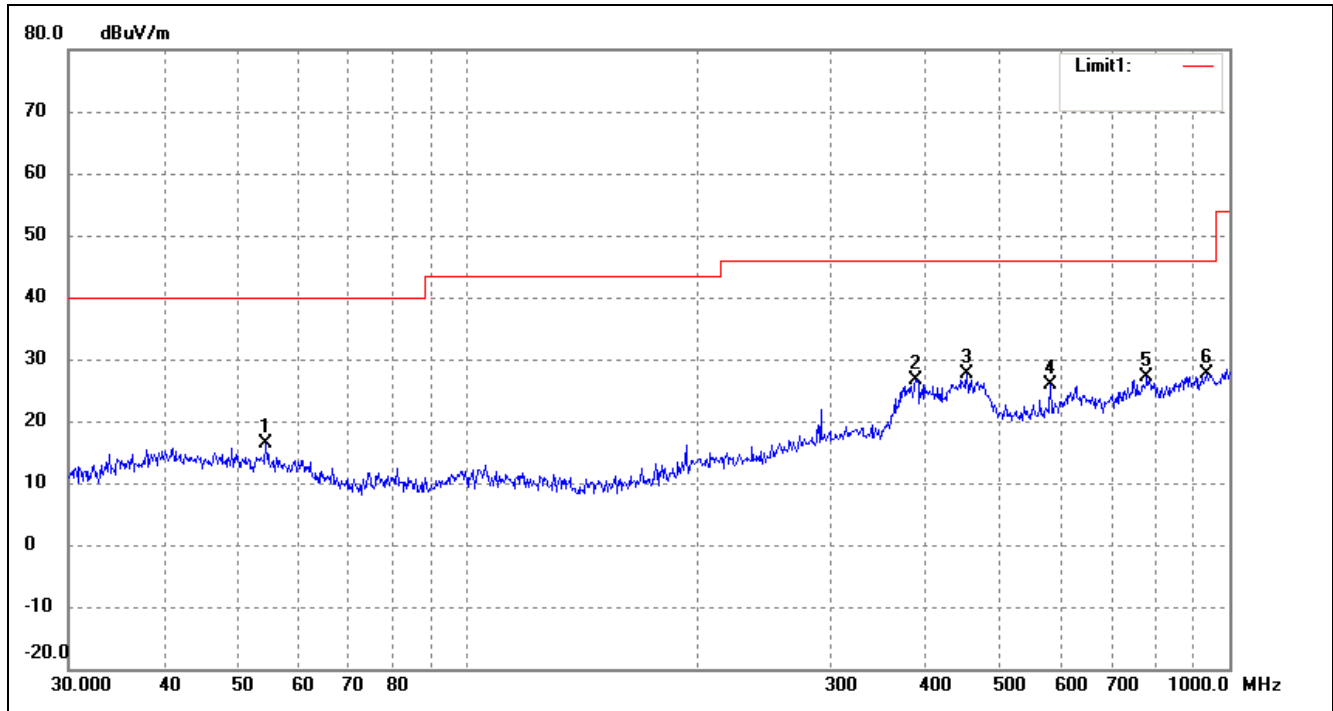


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	40.1347	23.51	-7.68	15.83	40.00	-24.17	35	100	peak
2	158.1123	27.45	-12.30	15.15	43.50	-28.35	94	100	peak
3	379.9141	23.57	-2.11	21.46	46.00	-24.54	135	100	peak
4	467.2348	26.63	-2.10	24.53	46.00	-21.47	167	100	peak
5	774.1584	23.50	2.58	26.08	46.00	-19.92	215	100	peak
6	925.7563	23.79	3.83	27.62	46.00	-18.38	239	100	peak

Plot of Radiated Emissions Test Data (30MHz to 1GHz)

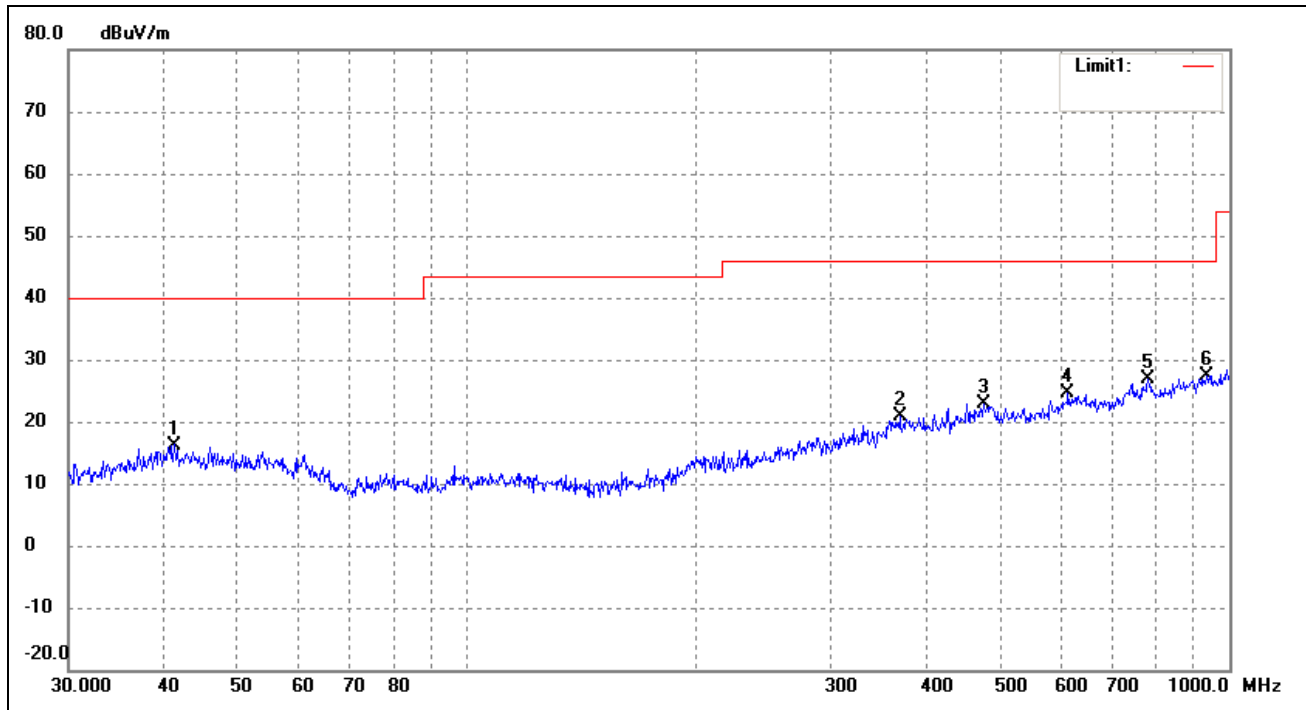
EUT: COMPUMAX BLUE TWv2
Tested Model: 6034-805-0000
Operating Condition: 802.11g Transmitting Low Channel-2412MHz
Comment: DC 3.7V

Test Specification: Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	54.4515	25.33	-8.88	16.45	40.00	-23.55	42	100	peak
2	387.9920	29.15	-2.51	26.64	46.00	-19.36	121	100	peak
3	452.7196	30.43	-2.78	27.65	46.00	-18.35	138	100	peak
4	582.7424	26.83	-0.85	25.98	46.00	-20.02	168	100	peak
5	779.6068	24.19	2.88	27.07	46.00	-18.93	215	100	peak
6	935.5462	23.55	4.13	27.68	46.00	-18.32	286	100	peak

Test Specification: Vertical

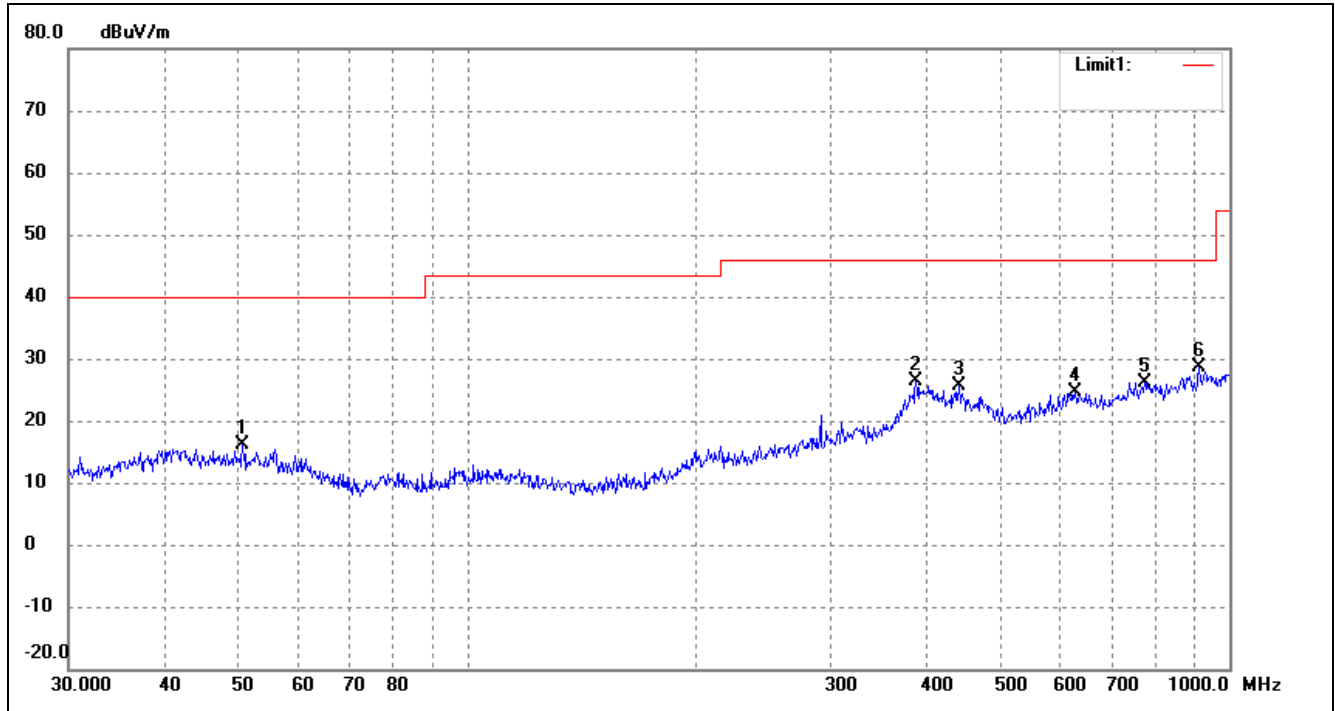


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	41.2764	24.00	-7.75	16.25	40.00	-23.75	29	100	peak
2	369.4046	23.56	-2.71	20.85	46.00	-25.15	67	100	peak
3	475.4990	24.36	-1.42	22.94	46.00	-23.06	125	100	peak
4	614.2142	23.74	0.83	24.57	46.00	-21.43	178	100	peak
5	782.3452	24.08	2.78	26.86	46.00	-19.14	238	100	peak
6	935.5462	23.24	4.13	27.37	46.00	-18.63	269	100	peak

Operating Condition: 802.11g Transmitting Middle Channel-2437MHz

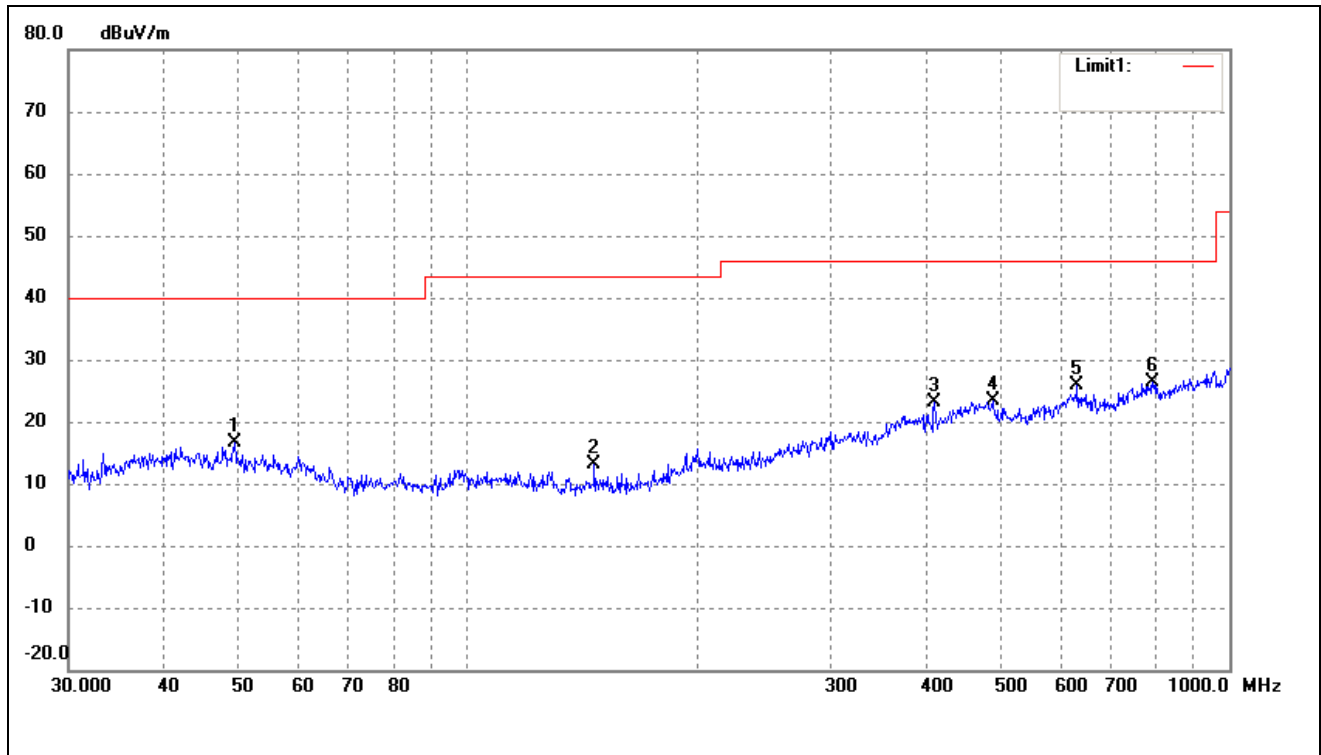
Comment: DC 3.7V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	50.7637	24.44	-8.42	16.02	40.00	-23.98	270	100	peak
2	387.9920	28.93	-2.51	26.42	46.00	-19.58	164	100	peak
3	441.7425	28.53	-2.93	25.60	46.00	-20.40	228	100	peak
4	627.2738	23.65	1.05	24.70	46.00	-21.30	90	100	peak
5	774.1584	23.61	2.58	26.19	46.00	-19.81	264	100	peak
6	912.8619	25.19	3.49	28.68	46.00	-17.32	130	100	peak

Test Specification: Vertical

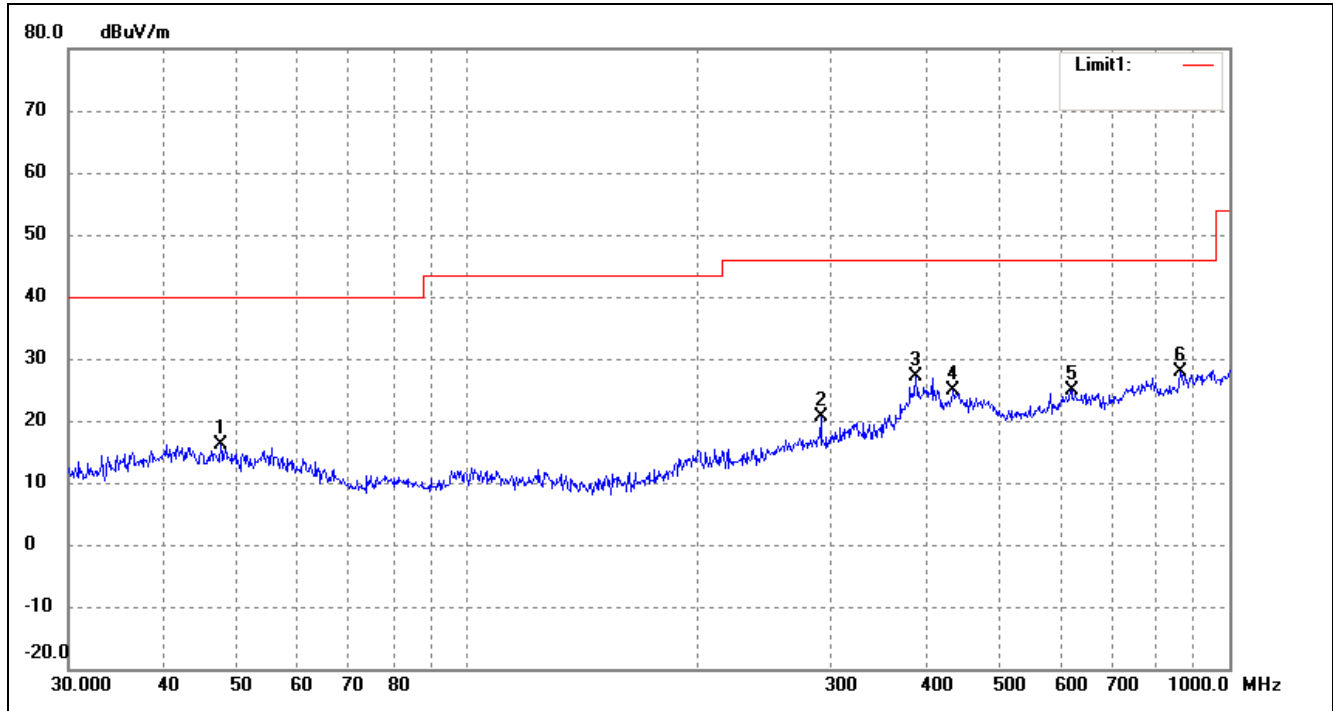


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	49.5328	24.87	-8.29	16.58	40.00	-23.42	36	100	peak
2	146.8876	25.56	-12.47	13.09	43.50	-30.41	69	100	peak
3	410.3824	26.40	-3.32	23.08	46.00	-22.92	114	100	peak
4	489.0269	24.94	-1.56	23.38	46.00	-22.62	191	100	peak
5	631.6884	24.96	0.93	25.89	46.00	-20.11	157	100	peak
6	793.3959	24.05	2.23	26.28	46.00	-19.72	238	100	peak

Operating Condition: 802.11g Transmitting High Channel-2462MHz

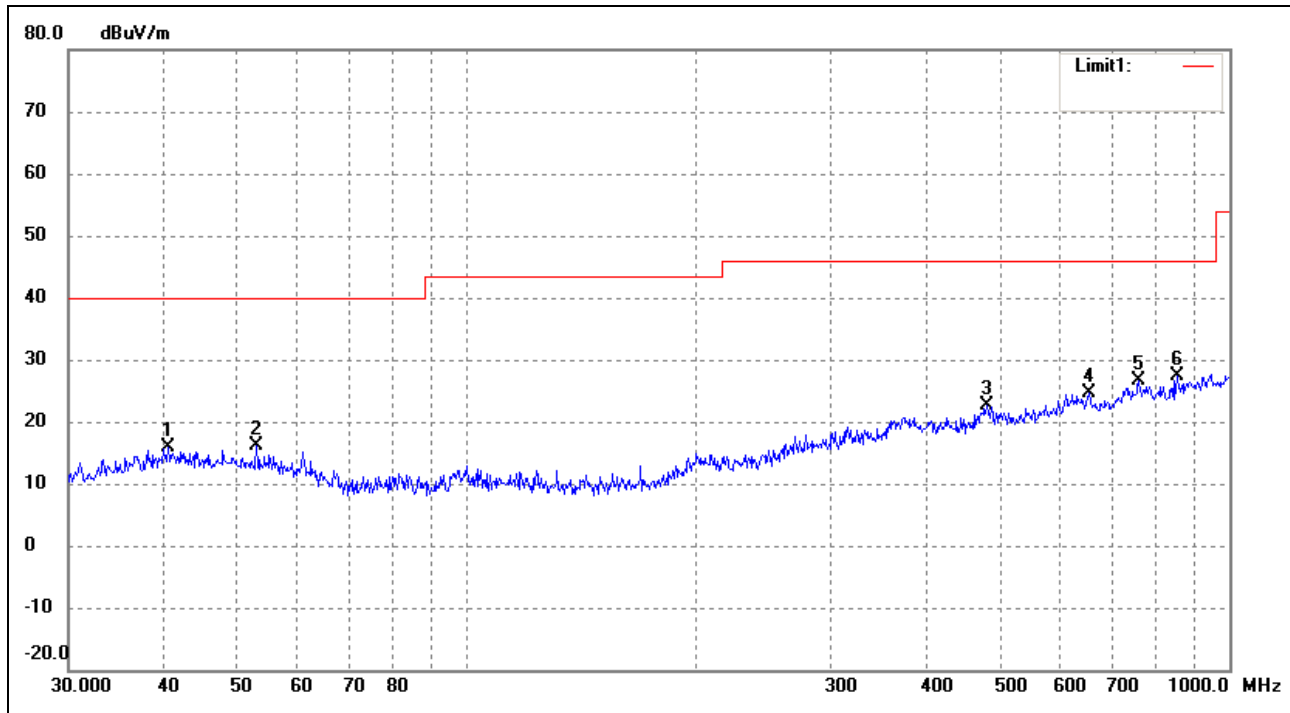
Comment: DC 3.7V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	47.4917	24.32	-8.16	16.16	40.00	-23.84	42	100	peak
2	291.0360	26.47	-5.85	20.62	46.00	-25.38	39	200	peak
3	387.9920	29.52	-2.51	27.01	46.00	-18.99	164	200	peak
4	434.0650	27.95	-3.11	24.84	46.00	-21.16	182	100	peak
5	620.7096	23.67	1.21	24.88	46.00	-21.12	270	100	peak
6	863.0561	24.91	2.97	27.88	46.00	-18.12	51	100	peak

Test Specification: Vertical

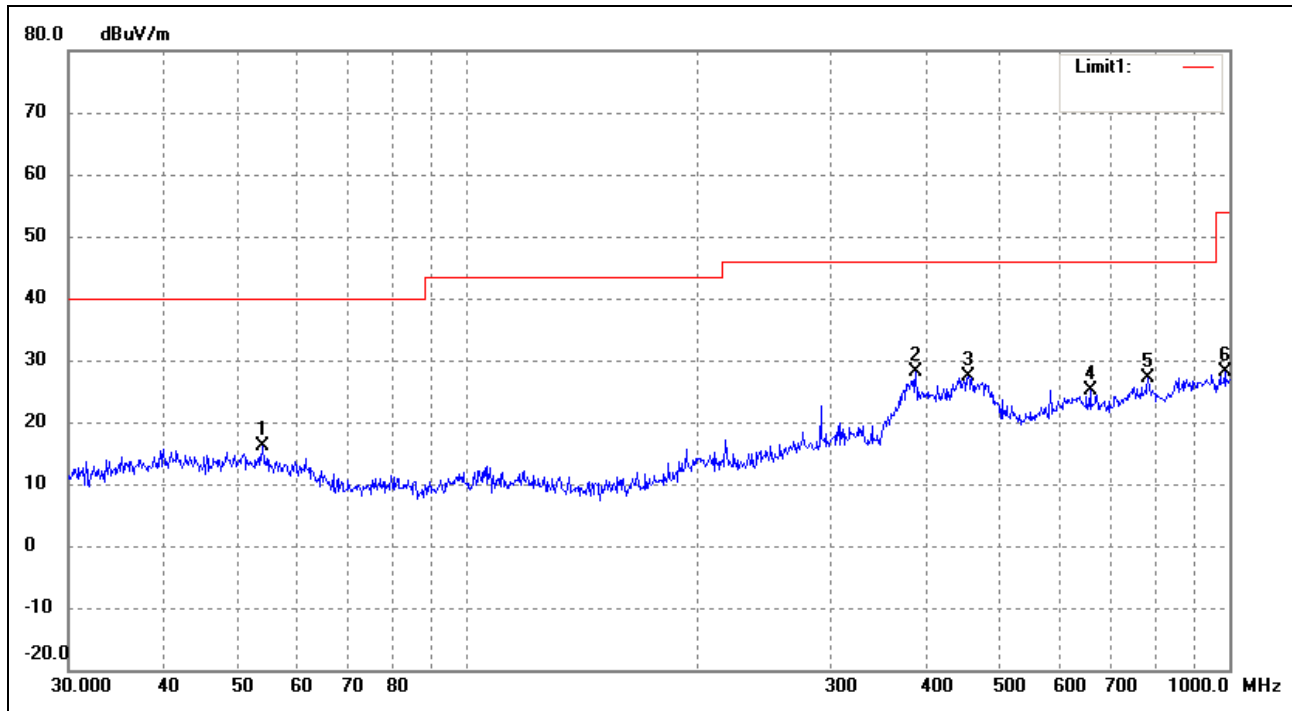


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	40.5591	23.48	-7.70	15.78	40.00	-24.22	445	100	peak
2	52.9453	24.85	-8.69	16.16	40.00	-23.84	82	100	peak
3	480.5276	23.66	-1.08	22.58	46.00	-23.42	139	100	peak
4	654.2318	24.31	0.43	24.74	46.00	-21.26	184	100	peak
5	760.7036	24.86	1.84	26.70	46.00	-19.30	241	100	peak
6	854.0247	24.86	2.63	27.49	46.00	-18.51	290	100	peak

Plot of Radiated Emissions Test Data (30MHz to 1GHz)

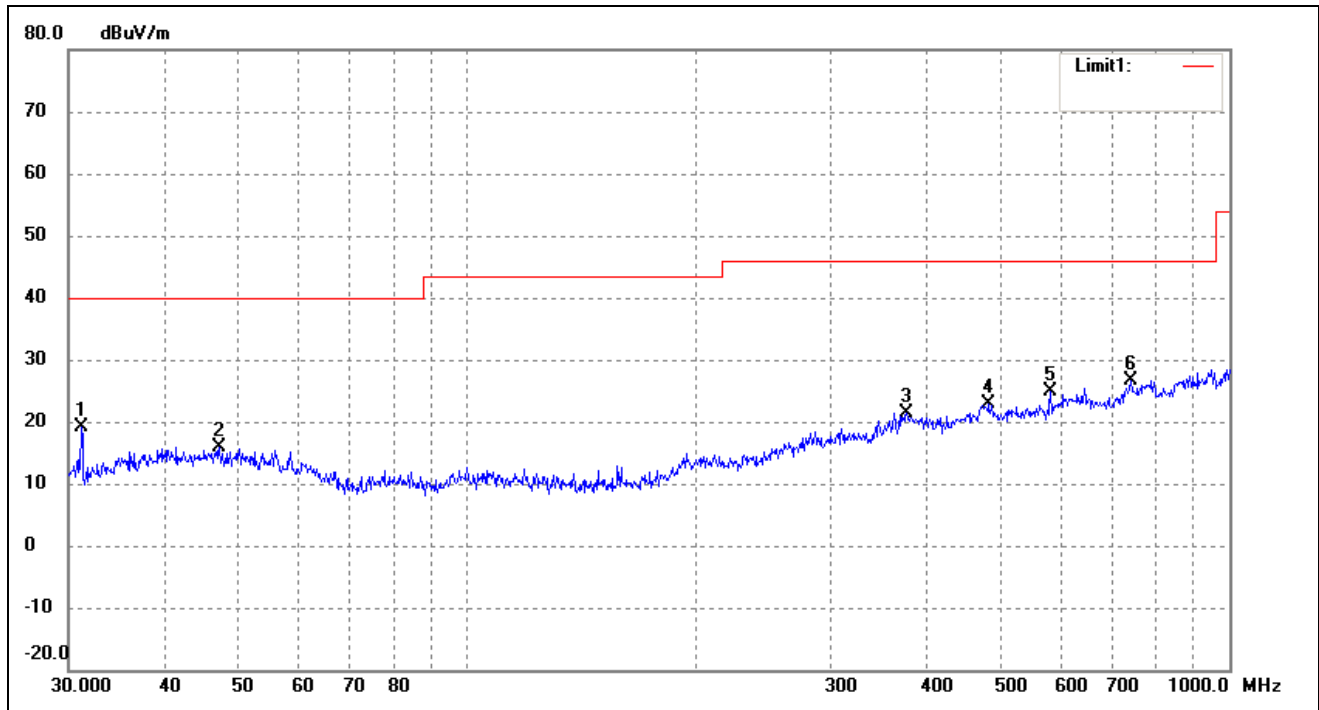
EUT: COMPUMAX BLUE TWv2
Tested Model: 6034-805-0000
Operating Condition: 802.11n-HT20 Transmitting Low Channel-2412MHz
Comment: DC 3.7V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	53.8817	24.90	-8.81	16.09	40.00	-23.91	61	100	peak
2	387.9920	30.63	-2.51	28.12	46.00	-17.88	90	100	peak
3	454.3100	30.15	-2.76	27.39	46.00	-18.61	155	100	peak
4	656.5299	24.81	0.37	25.18	46.00	-20.82	187	100	peak
5	782.3452	24.28	2.78	27.06	46.00	-18.94	266	100	peak
6	986.0716	24.02	4.16	28.18	54.00	-25.82	290	100	peak

Test Specification: Vertical

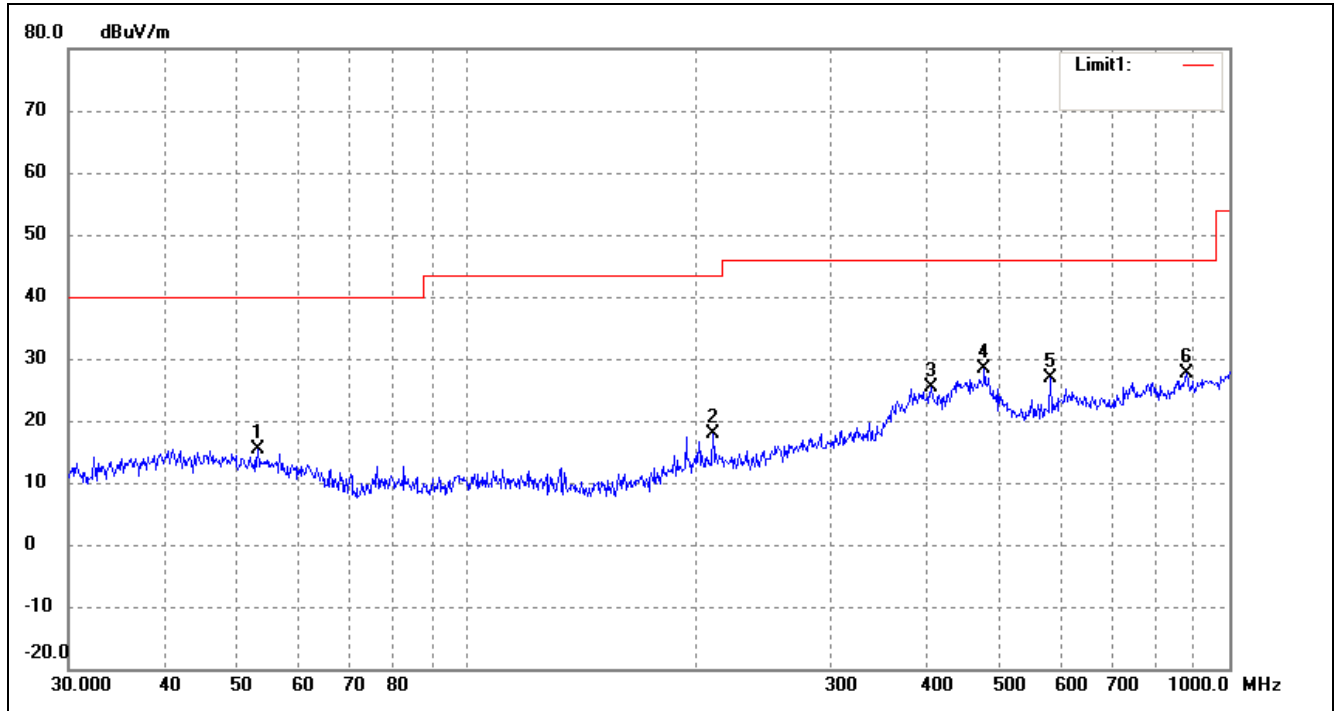


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	31.1798	29.05	-10.01	19.04	40.00	-20.96	26	100	peak
2	47.3254	24.03	-8.15	15.88	40.00	-24.12	75	100	peak
3	377.2590	23.62	-2.26	21.36	46.00	-24.64	115	100	peak
4	483.9094	24.04	-1.27	22.77	46.00	-23.23	169	100	peak
5	582.7424	25.71	-0.85	24.86	46.00	-21.14	138	100	peak
6	742.2586	24.56	2.09	26.65	46.00	-19.35	252	100	peak

Operating Condition: 802.11n-HT20 Transmitting Middle Channel-2437MHz

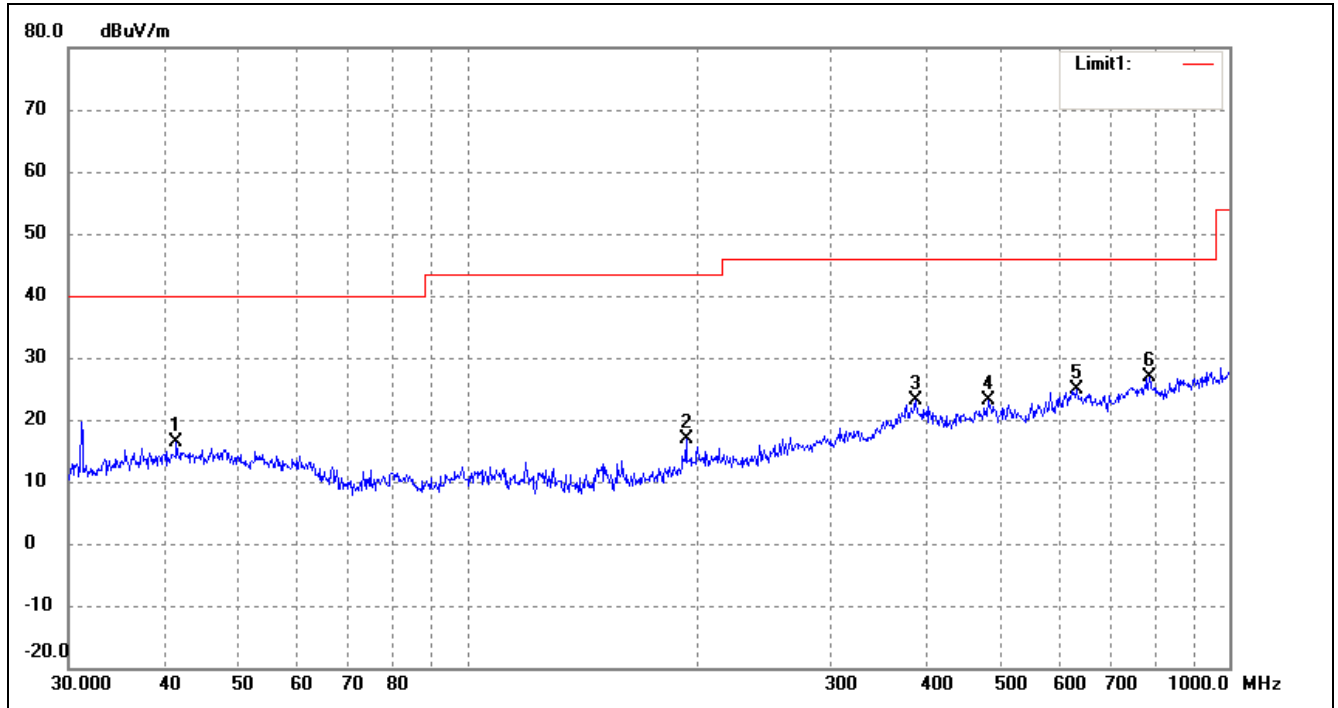
Comment: DC 3.7V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	53.1313	24.03	-8.72	15.31	40.00	-24.69	29	100	peak
2	210.0482	26.60	-8.74	17.86	43.50	-25.64	132	100	peak
3	406.0880	28.56	-3.25	25.31	46.00	-20.69	82	100	peak
4	477.1693	29.66	-1.27	28.39	46.00	-17.61	134	100	peak
5	582.7424	27.74	-0.85	26.89	46.00	-19.11	274	100	peak
6	878.3214	24.42	3.12	27.54	46.00	-18.46	116	100	peak

Test Specification: Vertical

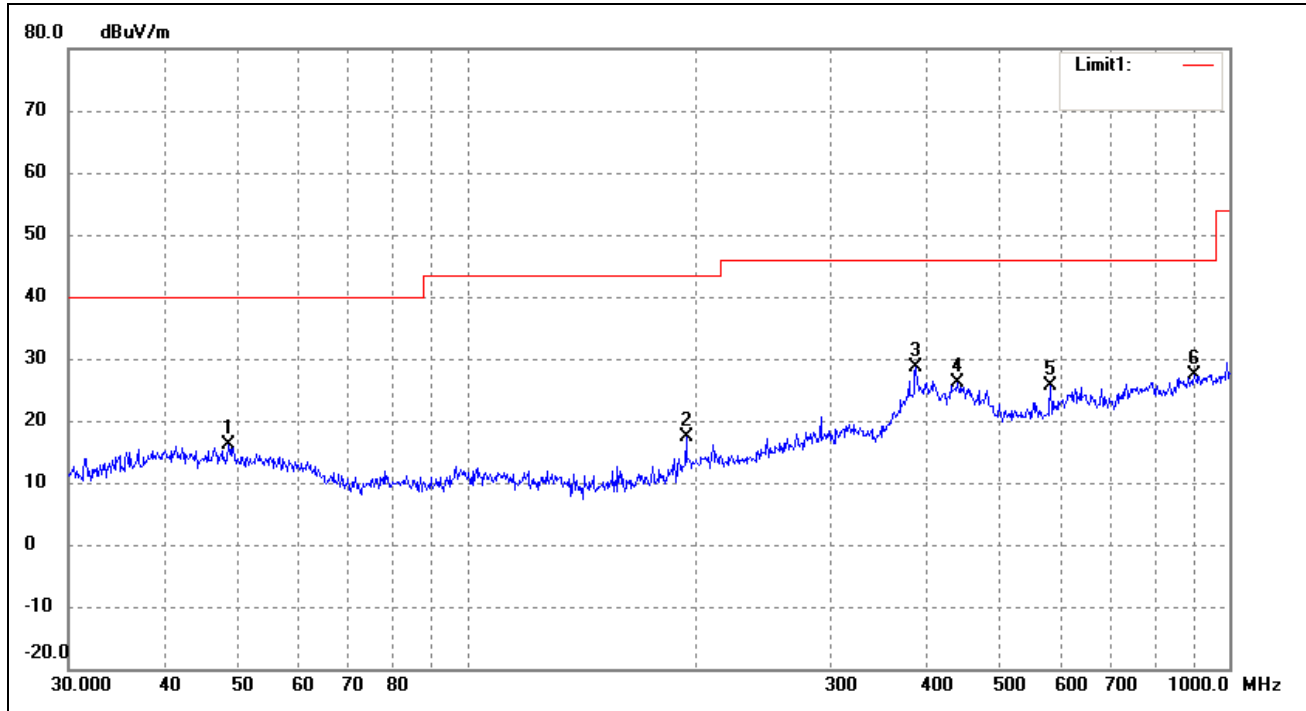


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	41.5670	24.04	-7.77	16.27	40.00	-23.73	55	100	peak
2	193.7727	26.32	-9.49	16.83	43.50	-26.67	80	100	peak
3	387.9920	25.66	-2.51	23.15	46.00	-22.85	136	100	peak
4	482.2155	24.41	-1.17	23.24	46.00	-22.76	90	100	peak
5	629.4772	23.83	0.99	24.82	46.00	-21.18	264	100	peak
6	785.0934	24.23	2.65	26.88	46.00	-19.12	110	100	peak

Operating Condition: 802.11n-HT20 Transmitting High Channel-2462MHz

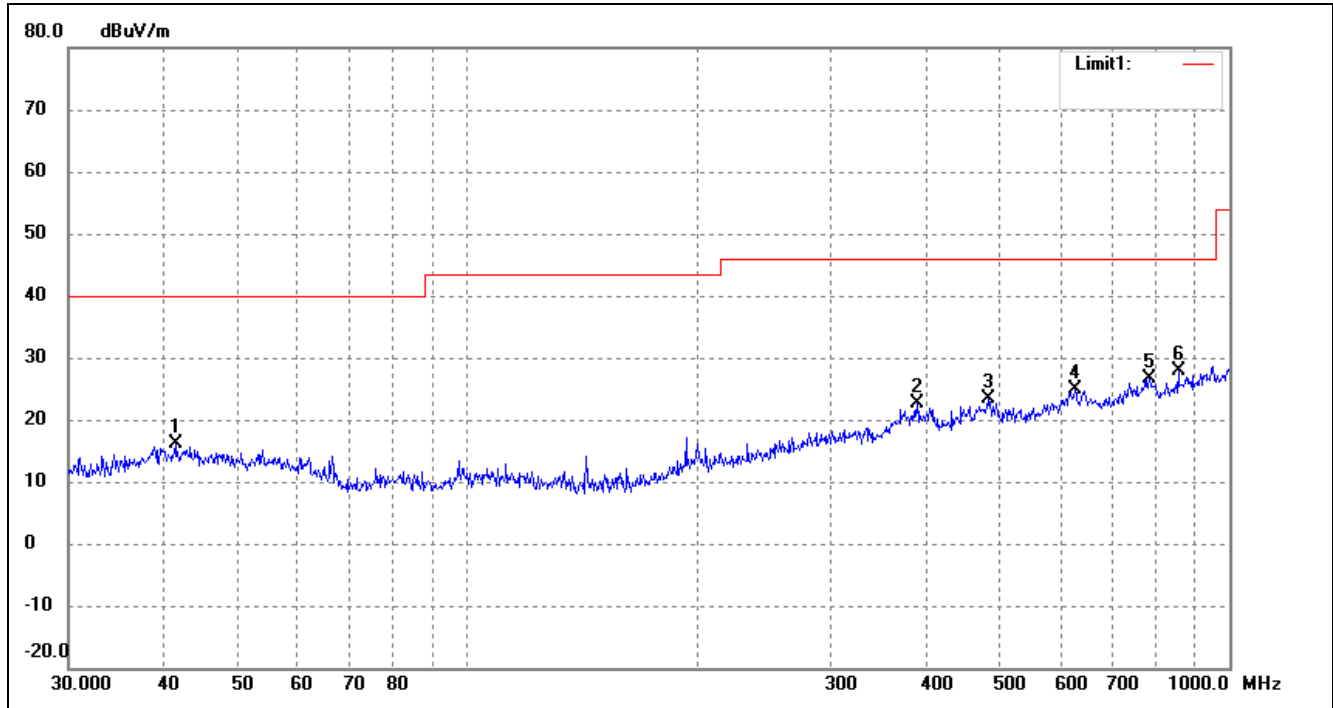
Comment: DC 3.7V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	48.6719	24.37	-8.23	16.14	40.00	-23.86	46	100	peak
2	193.7727	26.81	-9.49	17.32	43.50	-26.18	99	100	peak
3	387.9920	31.08	-2.51	28.57	46.00	-17.43	120	100	peak
4	440.1963	28.98	-2.94	26.04	46.00	-19.96	270	100	peak
5	582.7424	26.47	-0.85	25.62	46.00	-20.38	360	100	peak
6	900.1473	24.32	3.15	27.47	46.00	-18.53	112	100	peak

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	41.4215	23.77	-7.76	16.01	40.00	-23.99	83	100	peak
2	389.3548	25.28	-2.58	22.70	46.00	-23.30	162	100	peak
3	482.2155	24.52	-1.17	23.35	46.00	-22.65	197	100	peak
4	627.2738	23.93	1.05	24.98	46.00	-21.02	228	100	peak
5	785.0934	24.04	2.65	26.69	46.00	-19.31	267	100	peak
6	857.0247	25.05	2.78	27.83	46.00	-18.17	116	100	peak

Spurious Emissions Above 1GHz

Test Mode: 802.11b

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2412MHz							
4824.000	59.24	0.57	59.81	74.00	-14.19	H	PK
4824.000	44.84	0.57	45.41	54.00	-8.59	H	AV
7236.000	35.01	3.69	38.70	74.00	-35.30	H	PK
7236.000	23.58	3.69	27.27	54.00	-26.73	H	AV
4824.000	50.85	0.57	51.42	74.00	-22.58	V	PK
4824.000	37.17	0.57	37.74	54.00	-16.26	V	AV
7236.000	34.80	3.69	38.49	74.00	-35.51	V	PK
7236.000	23.41	3.69	27.10	54.00	-26.90	V	AV
Middle Channel-2437MHz							
4874.000	57.35	0.66	58.01	74.00	-15.99	H	PK
4874.000	42.77	0.66	43.43	54.00	-10.57	H	AV
7311.000	37.61	3.76	41.37	74.00	-32.63	H	PK
7311.000	25.87	3.76	29.63	54.00	-24.37	H	AV
4874.000	51.19	0.66	51.85	74.00	-22.15	V	PK
4874.000	37.61	0.66	38.27	54.00	-15.73	V	AV
7311.000	38.83	3.76	42.59	74.00	-31.41	V	PK
7311.000	25.84	3.76	29.60	54.00	-24.40	V	AV
High Channel-2462MHz							
4924.000	56.32	0.74	57.06	74.00	-16.94	H	PK
4924.000	42.94	0.74	43.68	54.00	-10.32	H	AV
7386.000	37.91	3.83	41.74	74.00	-32.26	H	PK
7386.000	27.26	3.83	31.09	54.00	-22.91	H	AV
4924.000	53.07	0.74	53.81	74.00	-20.19	V	PK
4924.000	39.42	0.74	40.16	54.00	-13.84	V	AV
7386.000	38.69	3.83	42.52	74.00	-31.48	V	PK
7386.000	27.20	3.83	31.03	54.00	-22.97	V	AV

Test Mode: 802.11g

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2412MHz							
4824.000	54.00	0.57	54.57	74.00	-19.43	H	PK
4824.000	47.78	0.57	48.35	54.00	-5.65	H	AV
7236.000	35.17	3.69	38.86	74.00	-35.14	H	PK
7236.000	23.82	3.69	27.51	54.00	-26.49	H	AV
4824.000	42.22	0.57	42.79	74.00	-31.21	V	PK
4824.000	33.11	0.57	33.68	54.00	-20.32	V	AV
7236.000	35.08	3.69	38.77	74.00	-35.23	V	PK
7236.000	23.89	3.69	27.58	54.00	-26.42	V	AV
Middle Channel-2437MHz							
4874.000	53.19	0.66	53.85	74.00	-20.15	H	PK
4874.000	46.35	0.66	47.01	54.00	-6.99	H	AV
7311.000	37.62	3.76	41.38	74.00	-32.62	H	PK
7311.000	26.04	3.76	29.80	54.00	-24.20	H	AV
4874.000	43.36	0.66	44.02	74.00	-29.98	V	PK
4874.000	32.19	0.66	32.85	54.00	-21.15	V	AV
7311.000	37.03	3.76	40.79	74.00	-33.21	V	PK
7311.000	26.65	3.76	30.41	54.00	-23.59	V	AV
High Channel-2462MHz							
4924.000	55.79	0.74	56.53	74.00	-17.47	H	PK
4924.000	33.00	0.74	33.74	54.00	-20.26	H	AV
7386.000	37.86	3.83	41.69	74.00	-32.31	H	PK
7386.000	27.21	3.83	31.04	54.00	-22.96	H	AV
4924.000	45.15	0.74	45.89	74.00	-28.11	V	PK
4924.000	33.60	0.74	34.34	54.00	-19.66	V	AV
7386.000	38.93	3.83	42.76	74.00	-31.24	V	PK
7386.000	27.12	3.83	30.95	54.00	-23.05	V	AV

Test Mode: 802.11n-HT20

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2412MHz							
4824.000	55.85	0.57	56.42	74.00	-17.58	H	PK
4824.000	32.67	0.57	33.24	54.00	-20.76	H	AV
7236.000	34.49	3.69	38.18	74.00	-35.82	H	PK
7236.000	23.28	3.69	26.97	54.00	-27.03	H	AV
4824.000	43.03	0.57	43.60	74.00	-30.40	V	PK
4824.000	31.74	0.57	32.31	54.00	-21.69	V	AV
7236.000	34.59	3.69	38.28	74.00	-35.72	V	PK
7236.000	23.31	3.69	27.00	54.00	-27.00	V	AV
Middle Channel-2437MHz							
4874.000	53.08	0.66	53.74	74.00	-20.26	H	PK
4874.000	31.66	0.66	32.32	54.00	-21.68	H	AV
7311.000	36.80	3.76	40.56	74.00	-33.44	H	PK
7311.000	26.16	3.76	29.92	54.00	-24.08	H	AV
4874.000	44.14	0.66	44.80	74.00	-29.20	V	PK
4874.000	32.41	0.66	33.07	54.00	-20.93	V	AV
7311.000	37.59	3.76	41.35	74.00	-32.65	V	PK
7311.000	25.48	3.76	29.24	54.00	-24.76	V	AV
High Channel-2462MHz							
4924.000	53.25	0.74	53.99	74.00	-20.01	H	PK
4924.000	31.69	0.74	32.43	54.00	-21.57	H	AV
7386.000	38.35	3.83	42.18	74.00	-31.82	H	PK
7386.000	27.19	3.83	31.02	54.00	-22.98	H	AV
4924.000	43.52	0.74	44.26	74.00	-29.74	V	PK
4924.000	31.12	0.74	31.86	54.00	-22.14	V	AV
7386.000	38.66	3.83	42.49	74.00	-31.51	V	PK
7386.000	26.99	3.83	30.82	54.00	-23.18	V	AV

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, which above 3th Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

The measurements greater than 20dB below the limit from 9kHz to 30MHz.

9. Out of Band Emissions

9.1 Standard Applicable

According to §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).

9.2 Test Procedure

According to the KDB 558074D01 v03r05, the band-edge radiated test method as follows:

Set span = wide enough to capture the peak level of the emission operating on the channel closest to the bandedge, as well as any modulation products which fall outside of the authorized band of operation (2310MHz to 2420MHz for low bandedge, 2460MHz to 2500MHz for the high bandedge)

RBW = 1MHz, VBW = 1MHz for peak value measured

RBW = 1MHz, VBW = 10Hz for average value measured

Sweep = auto; Detector function = peak/average; Trace = max hold

All the trace to stabilize, set the marker on the emission at the bandedge, or on the highest modulation product outside of the band, if this level is greater than that at the bandedge. Enable the marker-delta function, then use the marker-to-peak function to move the marker to the peak of the in-band emission. Those emission must comply with the 15.209 limit for fall in the restricted bands listed in section 15.205. Note that the method of measurement KDB publication number: 913591 may be used for the radiated bandedge measurements.

According to the KDB 558074 D01 v03r05, the conducted spurious emissions test method as follows:

1. Set start frequency to DTS channel edge frequency.
2. Set stop frequency so as to encompass the spectrum to be examined.
3. Set RBW = 100 kHz.
4. Set VBW $\geq$ 300 kHz.
5. Detector = peak.
6. Trace Mode = max hold.
7. Sweep = auto couple.
8. Allow the trace to stabilize (this may take some time, depending on the extent of the span).
9. Use peak marker function to determine maximum amplitude of all unwanted emissions within any 100 kHz bandwidth.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements specified in section 8.1. Report the three highest emissions relative to the limit.

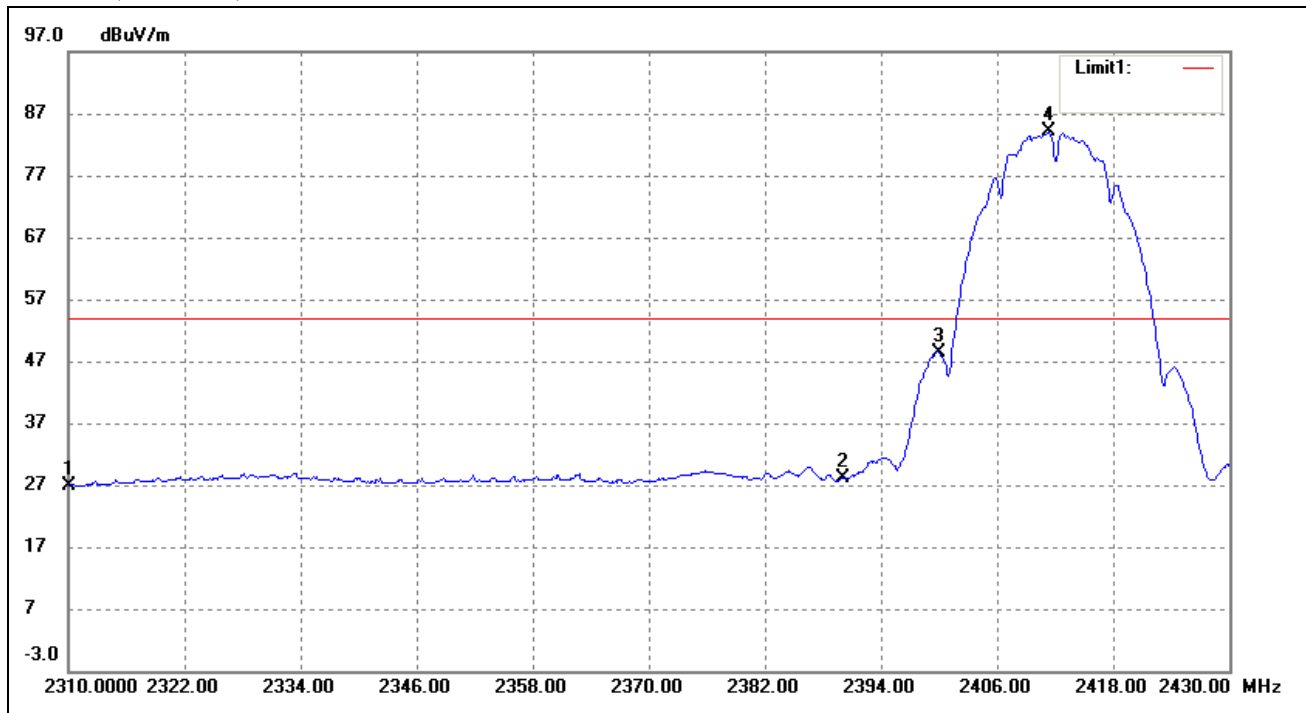
9.3 Environmental Conditions

Temperature:	23°C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

9.4 Summary of Test Results/Plots

802.11b-Lowest Bandedge

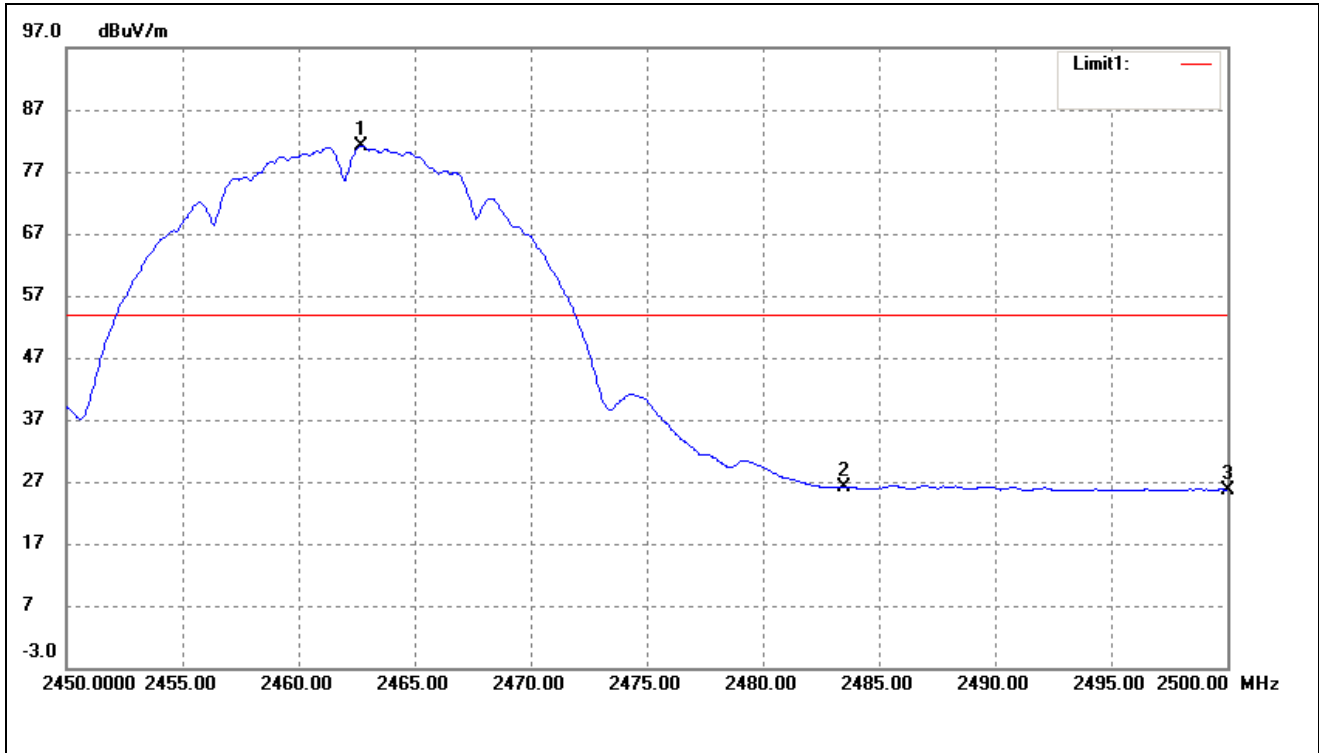
Vertical (Worst case)



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	30.20	-3.35	26.85	54.00	-27.15	Average Detector
	2310.000	42.32	-3.35	38.97	74.00	-35.03	Peak Detector
2	2390.000	32.47	-4.29	28.18	54.00	-25.82	Average Detector
	2390.000	45.57	-4.29	41.28	74.00	-32.72	Peak Detector
3	2400.000	52.87	-4.40	48.47	54.00	-5.53	Average Detector
	2400.000	58.75	-4.40	54.35	74.00	-19.65	Peak Detector

802.11b-Highest Bandedge

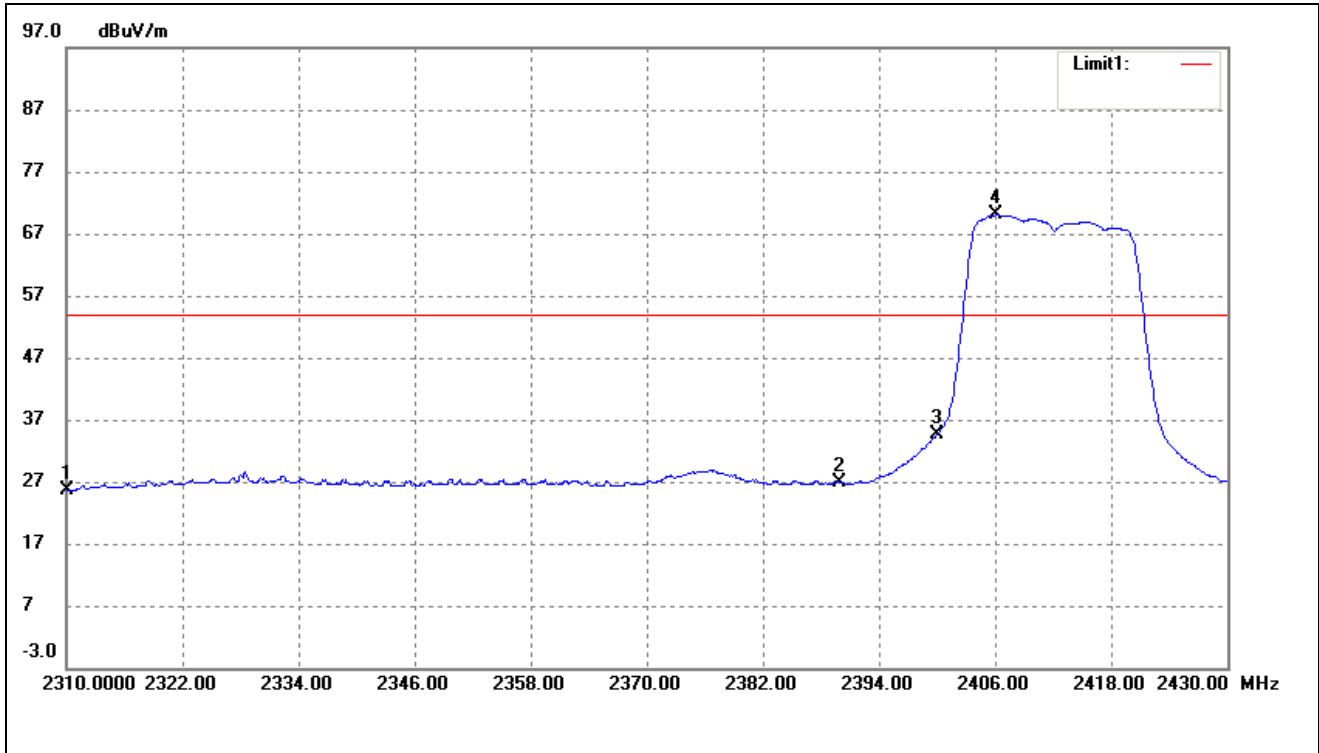
Vertical (Worst case)



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2462.700	85.56	-4.38	81.18	/	/	Average Detector
	2463.050	90.62	-4.38	86.24	/	/	Peak Detector
2	2483.500	Delta = 55.14dBc		26.04	54.00	-27.96	Average Detector
	2483.500			31.10	74.00	-42.90	Peak Detector
3	2500.000	30.07	-4.34	25.73	54.00	-28.27	Average Detector
	2500.000	43.88	-4.34	39.54	74.00	-34.46	Peak Detector

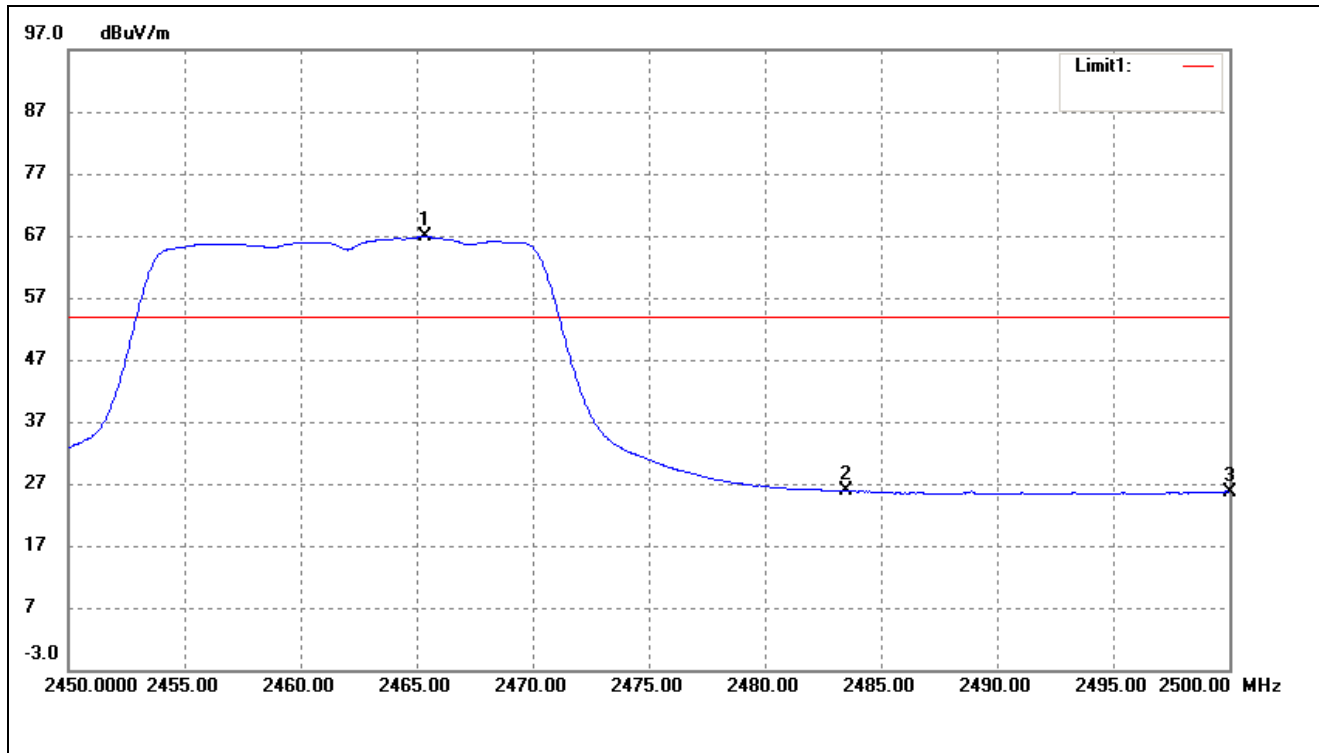
802.11g-Lowest Bandedge

Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2310.000	29.05	-3.35	25.70	54.00	-28.30	Average Detector
	2310.000	42.17	-3.35	38.82	74.00	-35.18	Peak Detector
2	2390.000	31.06	-4.29	26.77	54.00	-27.23	Average Detector
	2390.000	46.53	-4.29	42.24	74.00	-31.76	Peak Detector
3	2400.000	39.01	-4.40	34.61	54.00	-19.39	Average Detector
	2400.000	65.61	-4.40	61.21	74.00	-12.79	Peak Detector

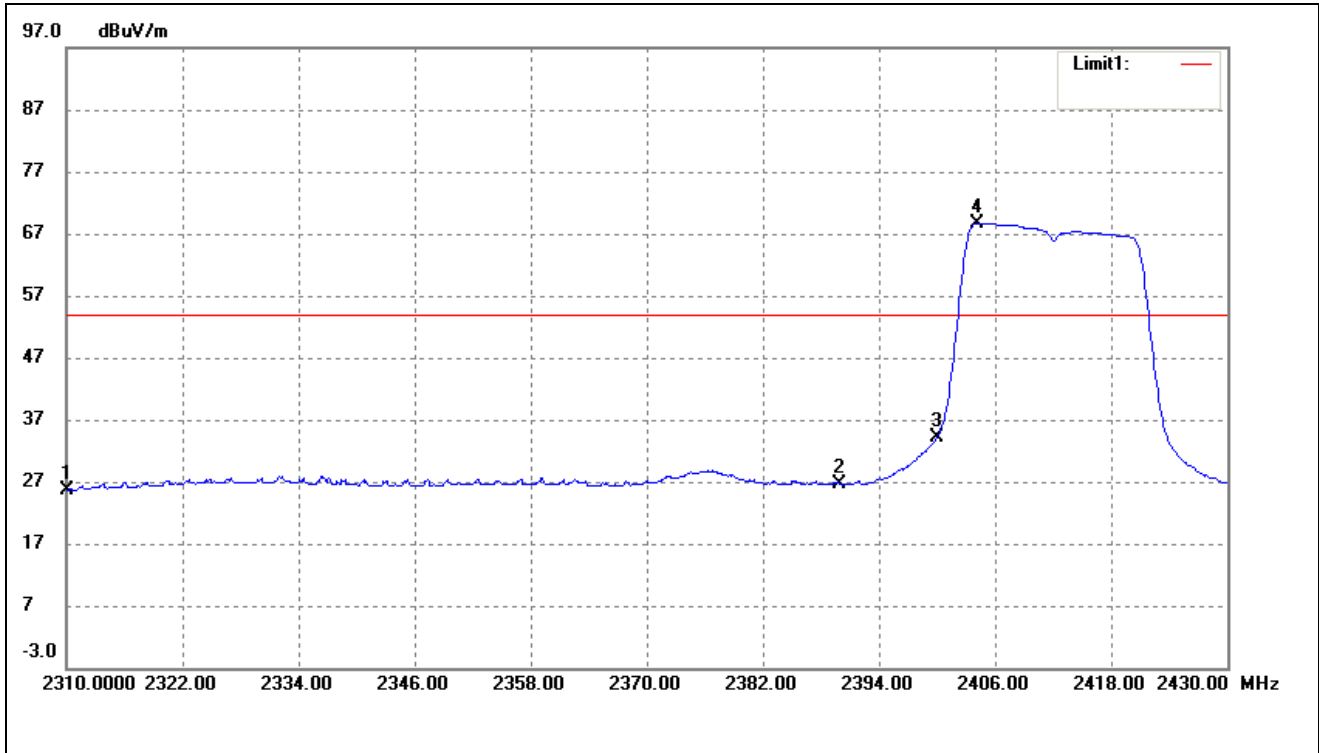
802.11g-Highest Bandedge
Vertical (Worst case)



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2465.350	71.20	-4.38	66.82	/	/	Average Detector
	2465.150	83.18	-4.38	78.80	/	/	Peak Detector
2	2483.500	Delta = 50.40dBc		16.42	54.00	-37.58	Average Detector
	2483.500			28.40	74.00	-45.60	Peak Detector
3	2500.000	29.95	-4.34	25.61	54.00	-28.39	Average Detector
	2500.000	44.08	-4.34	39.74	74.00	-34.26	Peak Detector

802.11n-HT20-Lowest Bandedge

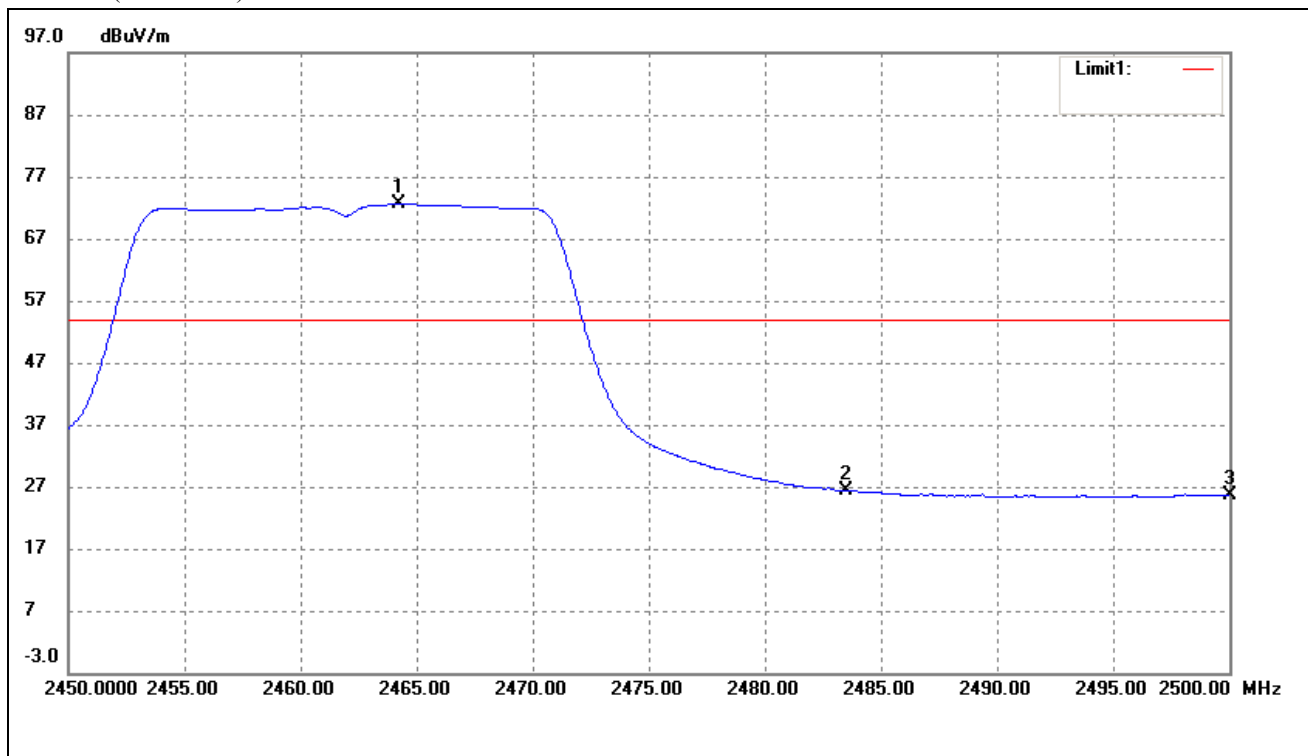
Vertical (Worst case)



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	29.02	-3.35	25.67	54.00	-28.33	Average Detector
	2310.000	42.22	-3.35	38.87	74.00	-35.13	Peak Detector
2	2390.000	31.01	-4.29	26.72	54.00	-27.28	Average Detector
	2390.000	46.33	-4.29	42.04	74.00	-31.96	Peak Detector
3	2400.000	38.49	-4.40	34.09	54.00	-19.91	Average Detector
	2400.000	62.98	-4.40	58.58	74.00	-15.42	Peak Detector

802.11n-HT20-Highest Bandedge

Vertical (Worst case)



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2464.200	77.05	-4.38	72.67	/	/	Average Detector
	2464.750	88.08	-4.38	83.70	/	/	Peak Detector
2	2483.500	Delta = 47.40dBc		25.27	54.00	-28.73	Average Detector
	2483.500			36.30	74.00	-37.70	Peak Detector
3	2500.000	30.00	-4.34	25.66	54.00	-28.34	Average Detector
	2500.000	42.90	-4.34	38.56	74.00	-35.44	Peak Detector

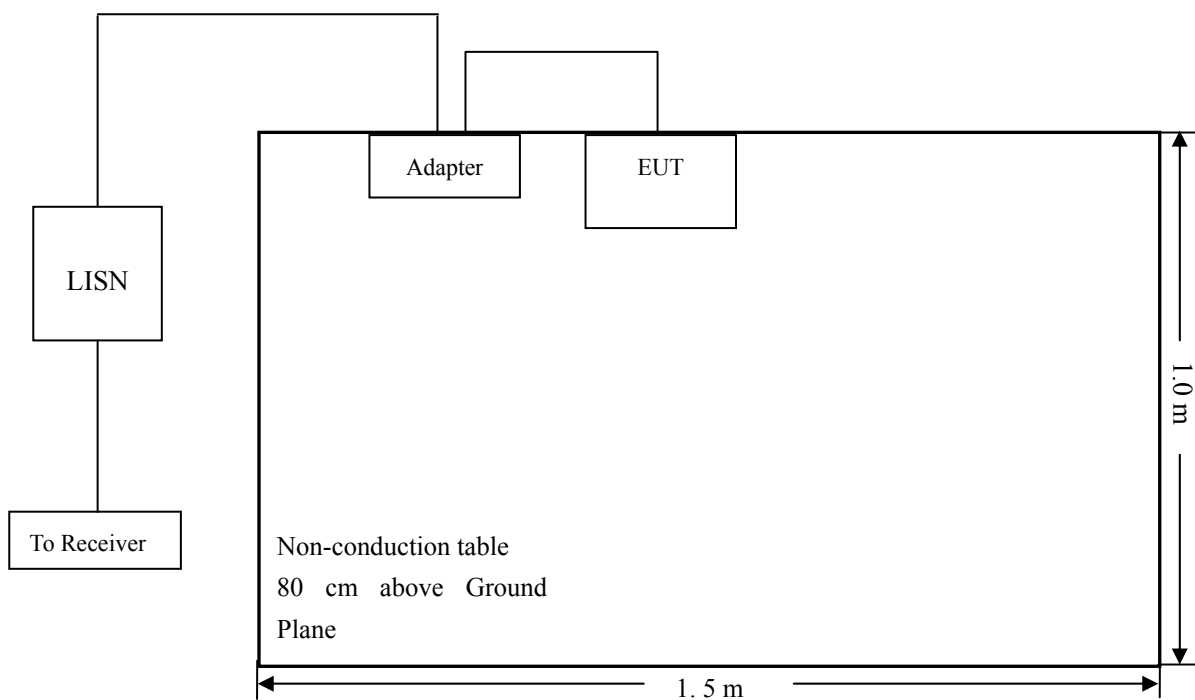
10. Conducted Emissions

10.1 Test Procedure

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15.207 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.

10.2 Basic Test Setup Block Diagram



10.3 Environmental Conditions

Temperature:	25 °C
Relative Humidity:	52%
ATM Pressure:	1012 mbar

10.4 Test Receiver Setup

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

Start Frequency	150 kHz
Stop Frequency.....	30 MHz
Sweep Speed	Auto
IF Bandwidth.....	10 kHz
Quasi-Peak Adapter Bandwidth	9 kHz
Quasi-Peak Adapter Mode	Normal

10.5 Summary of Test Results/Plots

According to the data in section 10.6, the EUT complied with the FCC Part 15.207 Conducted margin for this device, with the *worst* margin reading of:

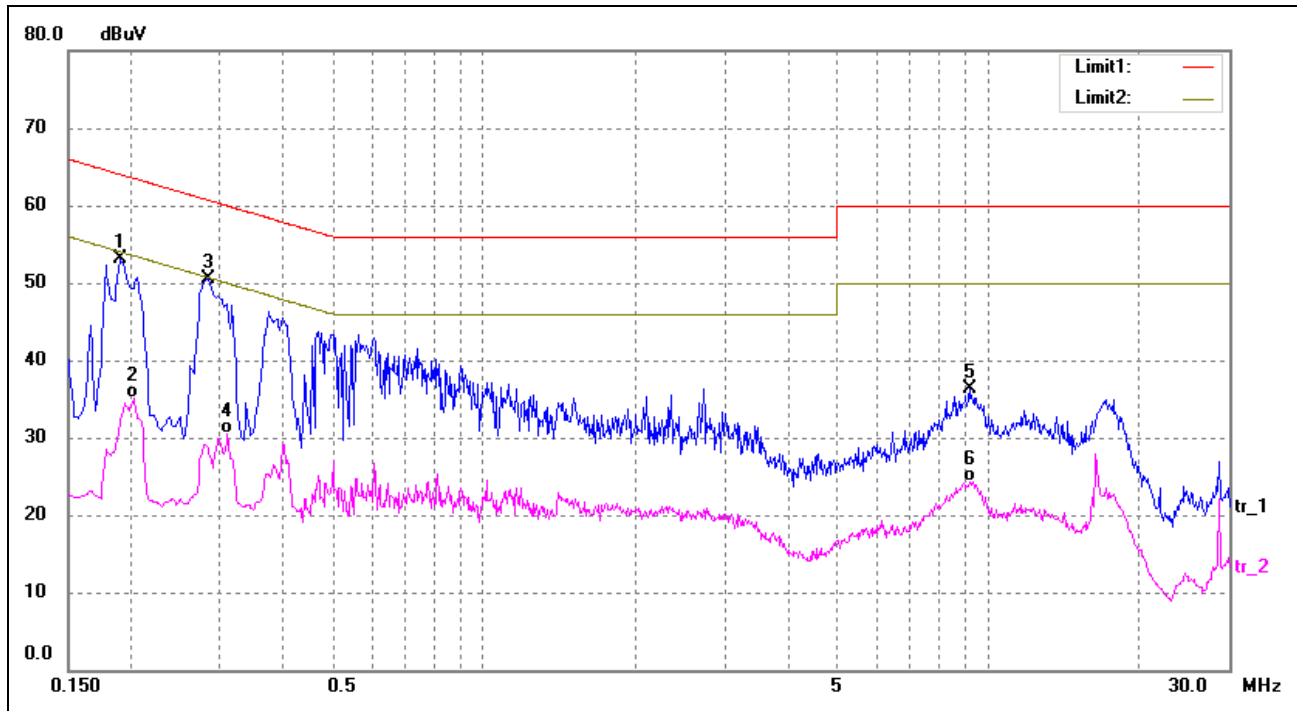
-8.75 dB at 0.3660 MHz in the **Line** mode, **Peak** detector, **0.15-30MHz**

10.6 Conducted Emissions Test Data

Plot of Conducted Emissions Test Data

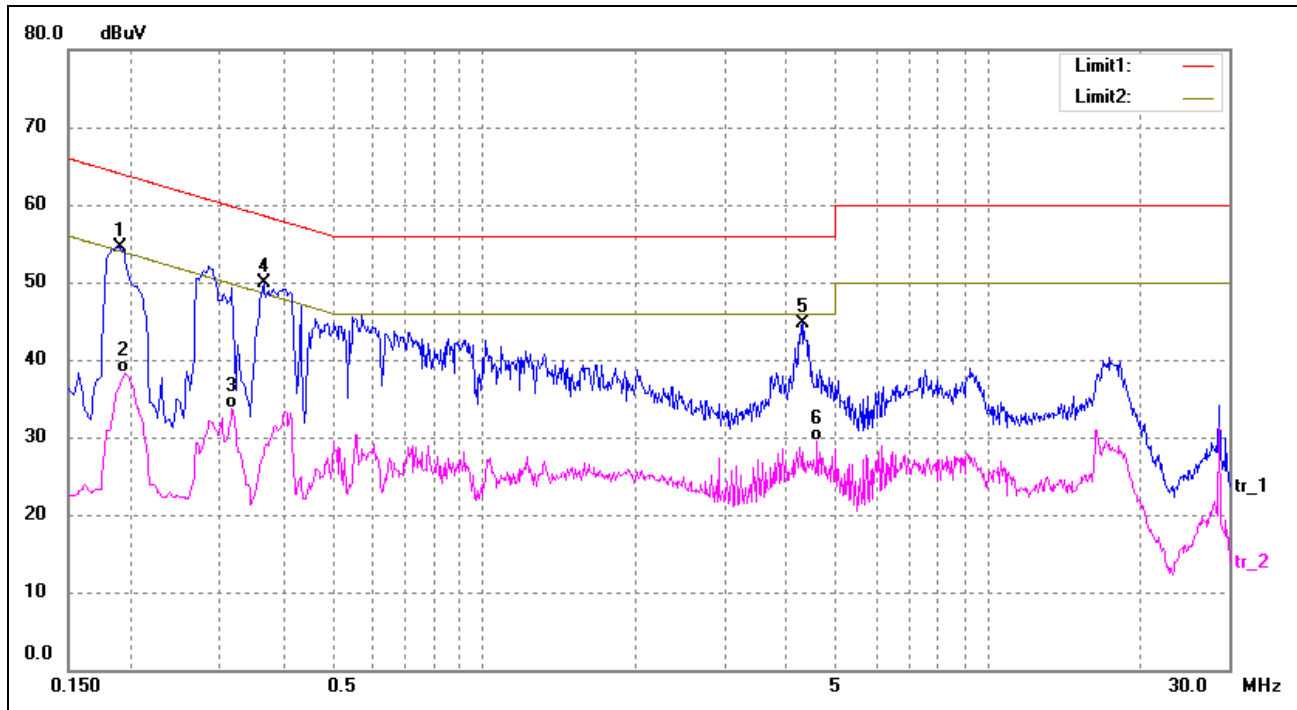
EUT: COMPUMAX BLUE TWv2
Tested Model: 6034-805-0000
Operating Condition: Transmitting(Wi-Fi)
Comment: AC 120V/60Hz; Adapter DC 5V

Test Specification: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1900	43.62	9.50	53.12	64.04	-10.92	peak
2	0.2020	25.53	9.50	35.03	53.53	-18.50	AVG
3*	0.2860	40.96	9.50	50.46	60.64	-10.18	peak
4	0.3100	21.10	9.50	30.60	49.97	-19.37	AVG
5	9.1780	25.99	10.34	36.33	60.00	-23.67	peak
6	9.1780	13.87	10.34	24.21	50.00	-25.79	AVG

Test Specification: Live



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1900	44.97	9.50	54.47	64.04	-9.57	peak
2	0.1940	28.84	9.50	38.34	53.86	-15.52	AVG
3	0.3180	24.18	9.50	33.68	49.76	-16.08	AVG
4*	0.3660	40.34	9.50	49.84	58.59	-8.75	peak
5	4.3100	34.63	10.14	44.77	56.00	-11.23	peak
6	4.5780	19.27	10.18	29.45	46.00	-16.55	AVG

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