

FCC Part 15C Measurement and Test Report

For

Guangzhou Shangke Information Technology Co.,LTD

A1, E1, C2 Room, 17/F No. 689, GuangDa Bank Bldg. North-Tianhe Road,

Tianhe District, GUANGZHOU, China

FCC ID: 2ACGTTBOOK10

FCC Rule(s): FCC Part 15C

Product Description: Tablet PC

Tested Model: Tbook 10

Report No.: STR16058059I-2

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Tested By: Lucy Wei / Engineer

Lucy Wei

Reviewed By: Silin Chen / EMC Manager

Silin Chen

Approved & Authorized By: Jandy so / PSQ Manager

Jandy so

Prepared By:

Shenzhen SEM.Test Technology Co., Ltd.

1/F, Building A, Hongwei Industrial Park, Liuxian 2nd Road,
Bao'an District, Shenzhen, P.R.C. (518101)

Tel.: +86-755-33663308 Fax.: +86-755-33663309 Website: www.semtest.com.cn

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: Guangzhou Shangke Information Technology Co.,LTD
Address of applicant: A1, E1, C2 Room, 17/F No. 689, GuangDa Bank Bldg.
North-Tianhe Road, Tianhe District, GUANGZHOU,
China

Manufacturer: Guangzhou Shangke Information Technology Co.,LTD
Address of manufacturer: A1, E1, C2 Room, 17/F No. 689, GuangDa Bank Bldg.
North-Tianhe Road, Tianhe District, GUANGZHOU,
China

General Description of EUT	
Product Name:	Tablet PC
Trade Name:	Teclast
Model No.:	Tbook 10
Adding Model(s):	Tbook11, Tbook16, Tbook16s, Tbook16Pro, Tbook12, Tbook12s, Tbook12Pro, Tbook12Plus, X3Pro, X4Pro, X5Pro, X6Pro, X16Plus, X10Plus, X10Pro, X10, X97, X98, X98Plus, X98PlusII, X98Pro, X80 Power, X89Kindow, X80HD, X80Pro, X80Plus, X89Plus, P80H, A78T, P80T, P10, P98, X70R, P80, P70, Tbook series, Tbook-xx, Tbook-xx-pro, Tbook-xx-s
Rated Voltage:	DC 3.8V Battery
Power Adapter Model:	TP-U29 Input:100-240V 50/60Hz 0.5A; Output: DC 9V/2000mA
<i>Note: The test data is gathered from a production sample provided by the manufacturer. The appearance of others models listed in the report is different from main-test model Tbook 10, but the circuit and the electronic construction do not change, declared by the manufacturer.</i>	

Technical Characteristics of EUT	
Support Standards:	802.11b, 802.11g, 802.11n
Frequency Range:	2412-2462MHz
RF Output Power:	8.39dBm (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
Antenna Gain:	-1.28dBi
Lowest Internal Frequency	32.768KHz

1.2 Test Standards

The following report is prepared on behalf of the Guangzhou Shangke Information Technology Co., LTD 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	0.7	Shielded	Without Ferrite
OTG Cable	0.14	Unshielded	Without Ferrite

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
Earphone	1.2	Unshielded	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 Spurious Emission	Conducted	$\pm 2.17\text{dB}$
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	2015-06-17	2016-06-16
SEMT-1031	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2015-06-17	2016-06-16
SEMT-1007	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2015-06-17	2016-06-16
SEMT-1008	Amplifier	Agilent	8447F	3113A06717	2015-06-17	2016-06-16
SEMT-1043	Amplifier	C&D	PAP-1G18	2002	2015-06-17	2016-06-16
SEMT-1011	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2015-06-17	2016-06-16
SEMT-1042	Horn Antenna	ETS	3117	00086197	2015-06-17	2016-06-16
SEMT-1121	Horn Antenna	ETS	3116B	00088203	2015-06-17	2016-06-16
SEMT-1069	Loop Antenna	Schwarz beck	FMZB 1516	9773	2015-06-17	2016-06-16
SEMT-1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2015-06-17	2016-06-16
SEMT-1003	L.I.S.N	Schwarz beck	NSLK8126	8126-224	2015-06-17	2016-06-16
SEMT-1002	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2015-06-17	2016-06-16

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
§15.205	Restricted Band of Operation	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

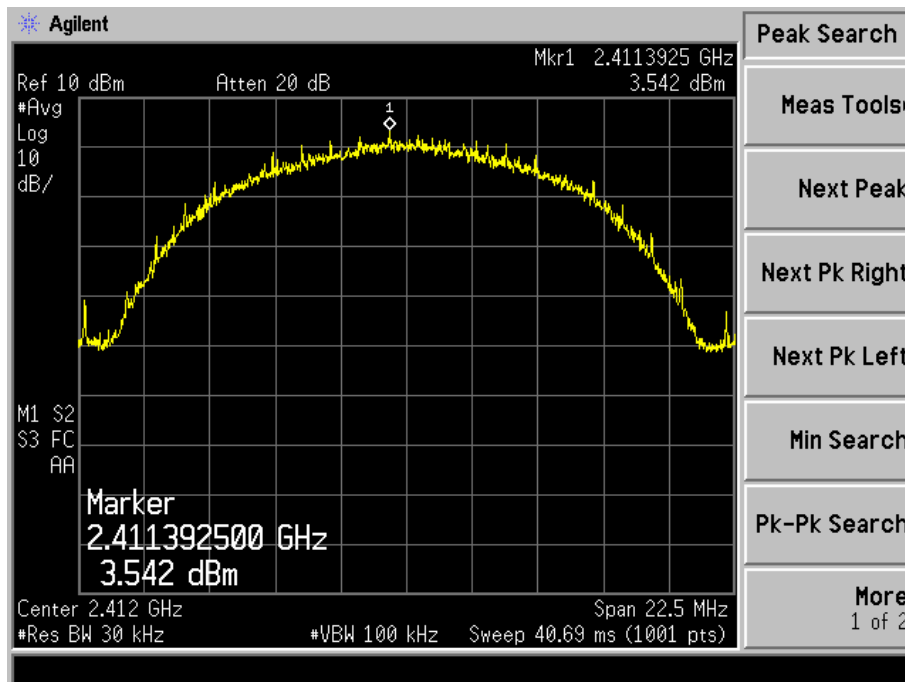
Temperature:	26° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

5.4 Summary of Test Results/Plots

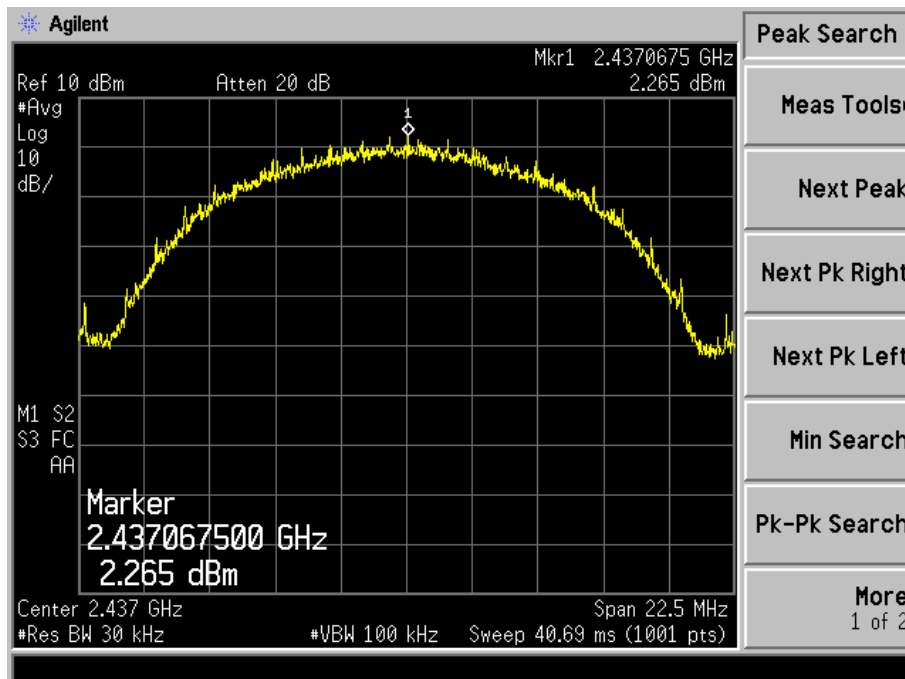
Test Mode	Test Channel MHz	Power Spectral Density dBm/30kHz	Limit dBm/3kHz
802.11b	2412	3.542	8
	2437	2.265	8
	2462	1.605	8
802.11g	2412	-3.973	8
	2437	-4.891	8
	2462	-5.51	8
802.11n HT20	2412	-4.242	8
	2437	-4.717	8
	2462	-5.494	8

Please refer to the following test plots:

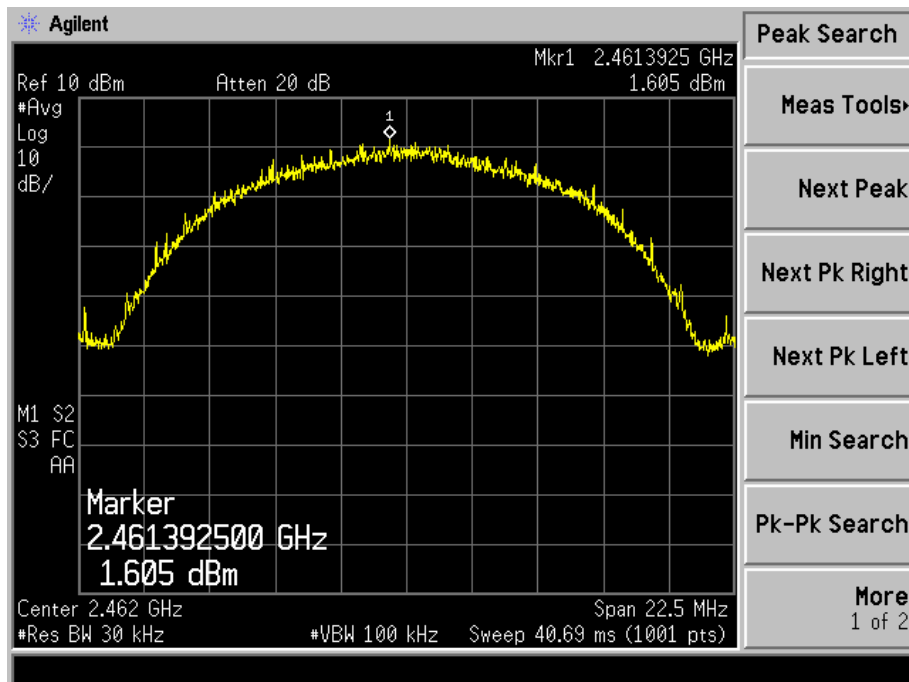
802.11b-Low Channel



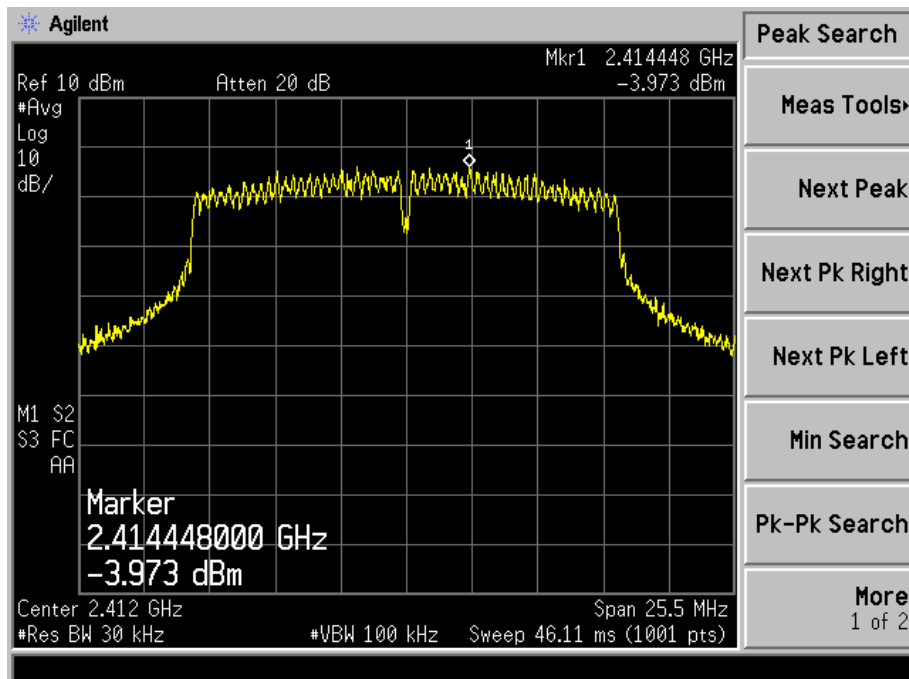
802.11b-Middle Channel



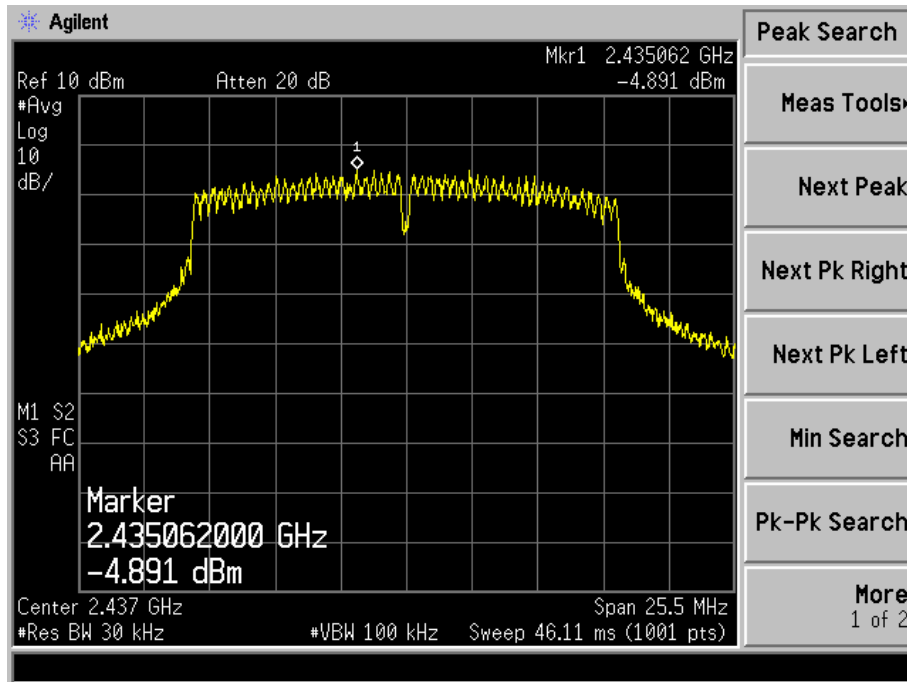
802.11b-High Channel



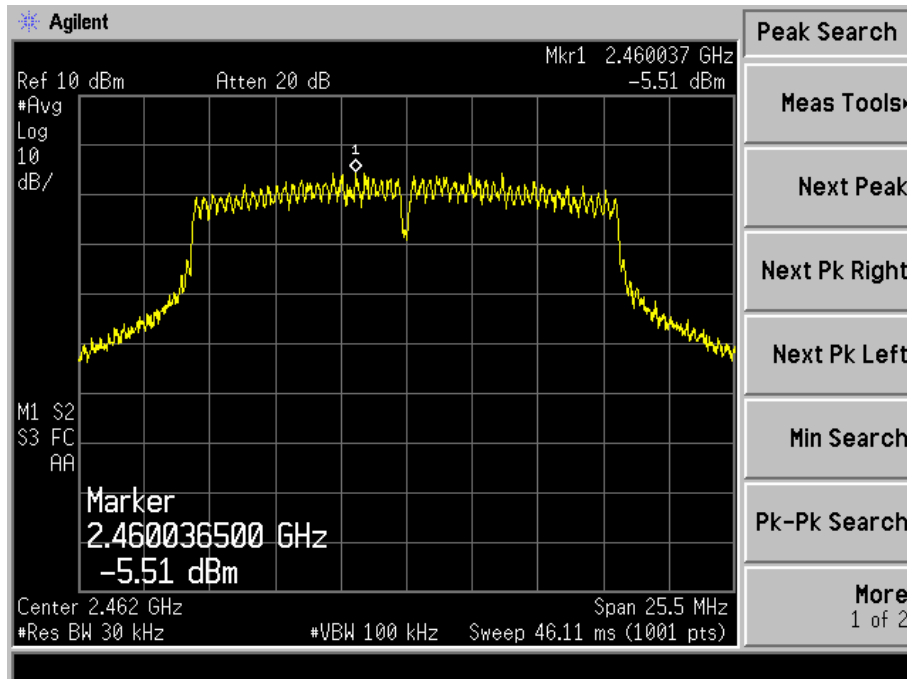
802.11g-Low Channel



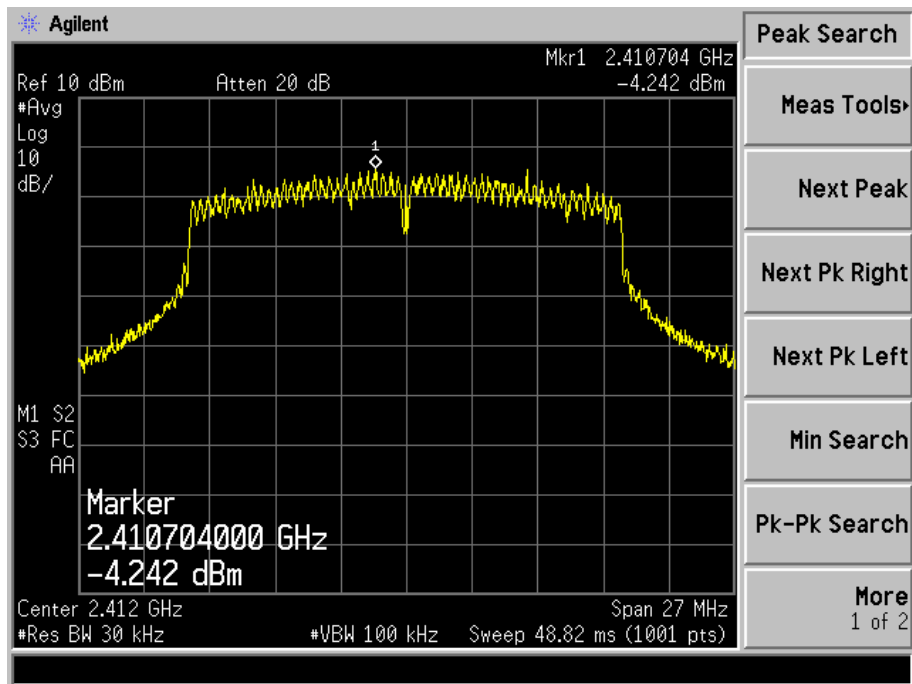
802.11g-Middle Channel



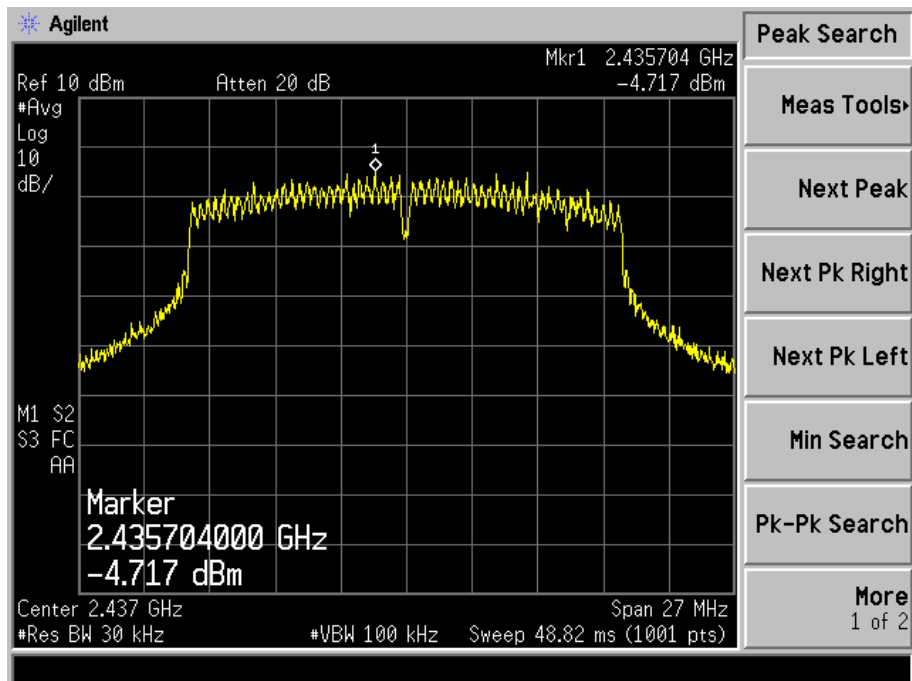
802.11g-High Channel



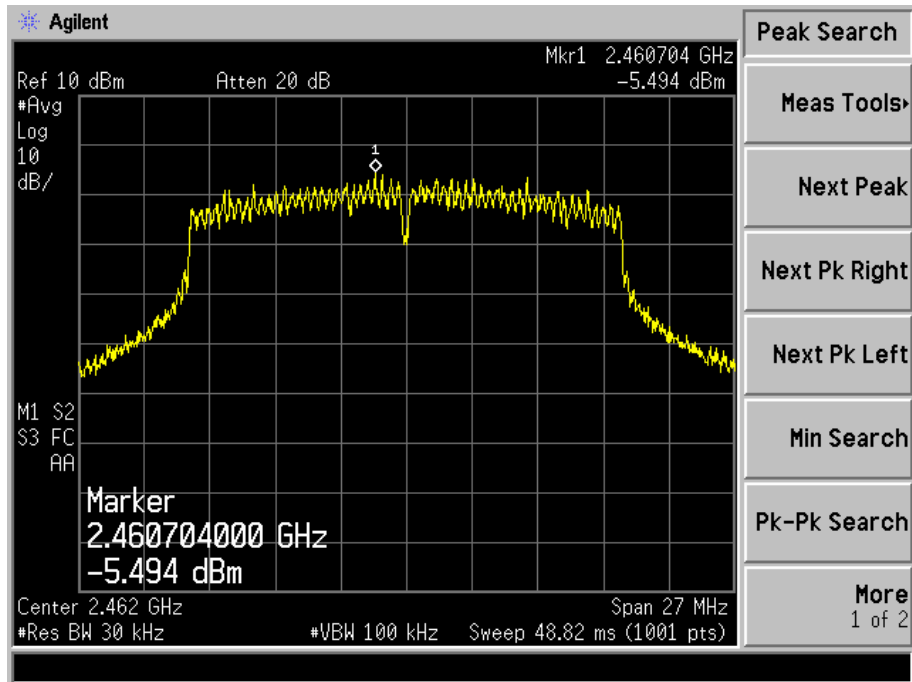
802.11n-HT20-Low Channel



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

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

6.3 Environmental Conditions

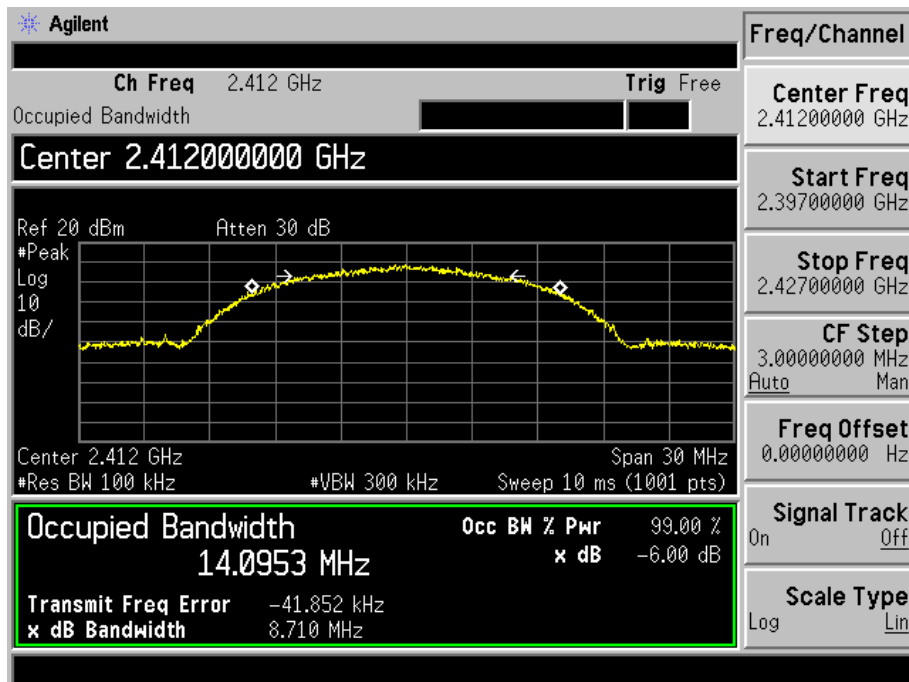
Temperature:	25° C
Relative Humidity:	53%
ATM Pressure:	1018 mbar

6.4 Summary of Test Results/Plots

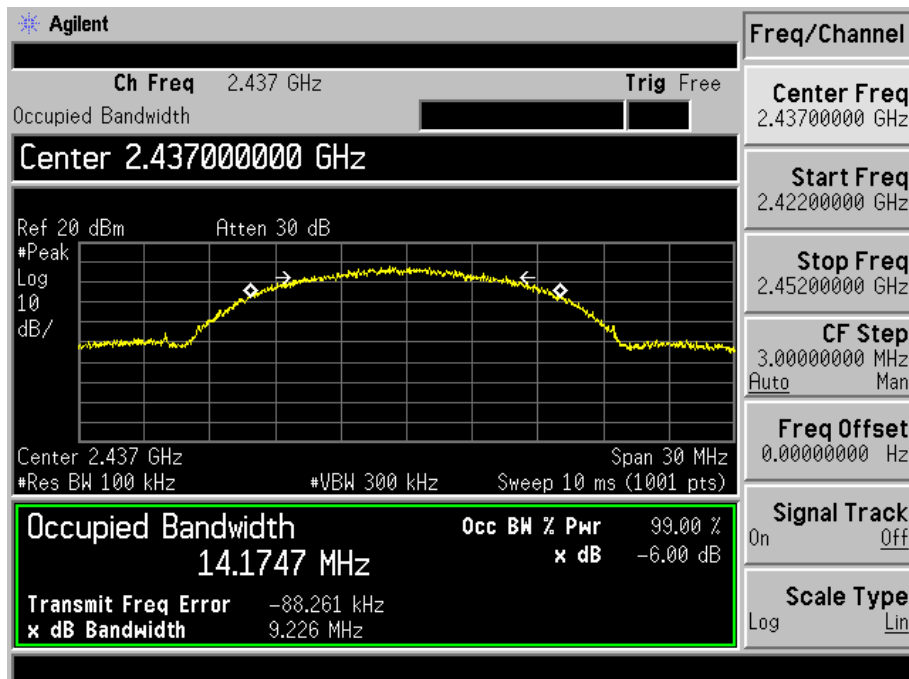
Test Mode	Test Channel MHz	6 dB Bandwidth kHz	99% Bandwidth kHz	Limit kHz
802.11b	2412	8710	14095.3	≥ 500
	2437	9226	14174.7	≥ 500
	2462	8339	14112.6	≥ 500
802.11g	2412	15176	16268.0	≥ 500
	2437	15430	16266.1	≥ 500
	2462	15136	16278.2	≥ 500
802.11n-HT20	2412	15138	17437.5	≥ 500
	2437	15129	17449.3	≥ 500
	2462	15650	17441.9	≥ 500

Please refer to the following test plots:

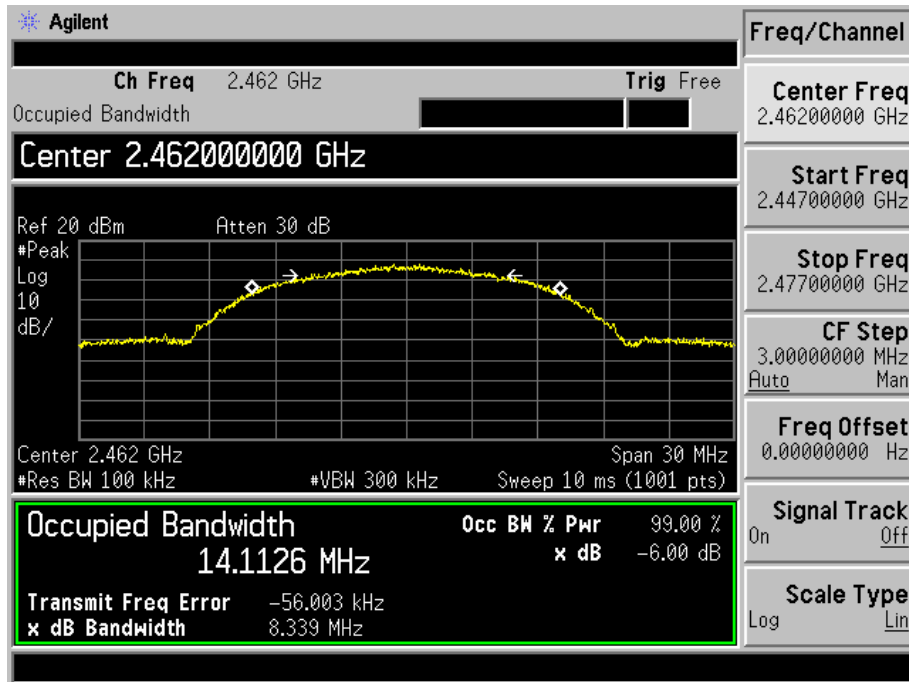
802.11b-Low Channel



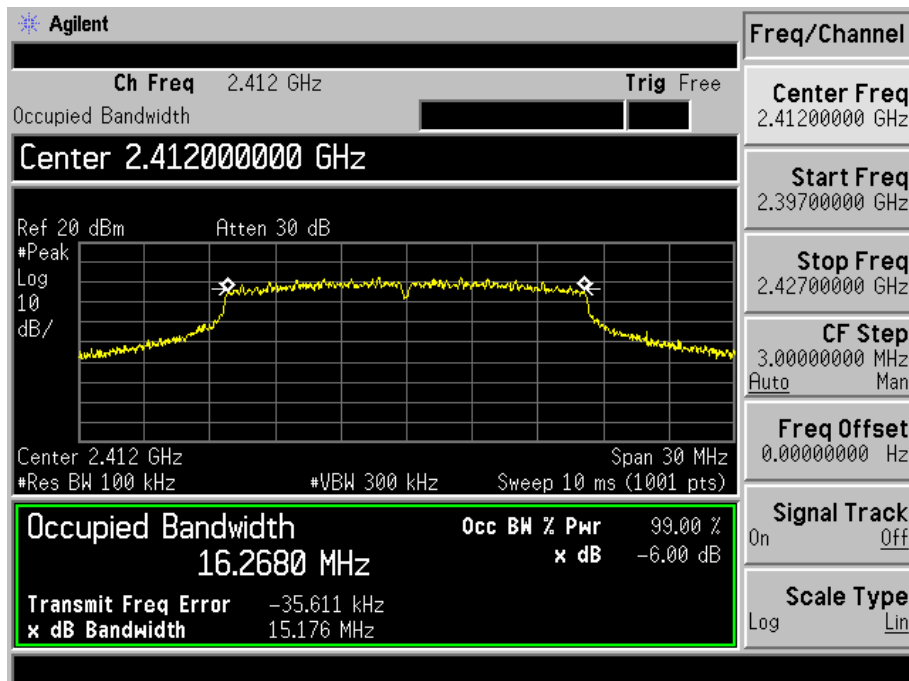
802.11b-Middle Channel



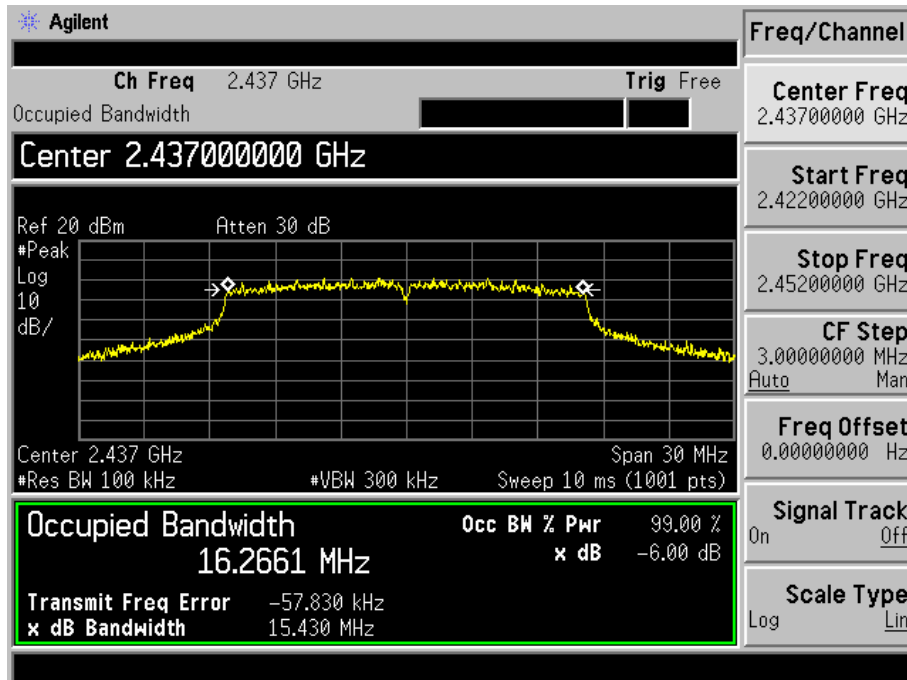
802.11b-High Channel



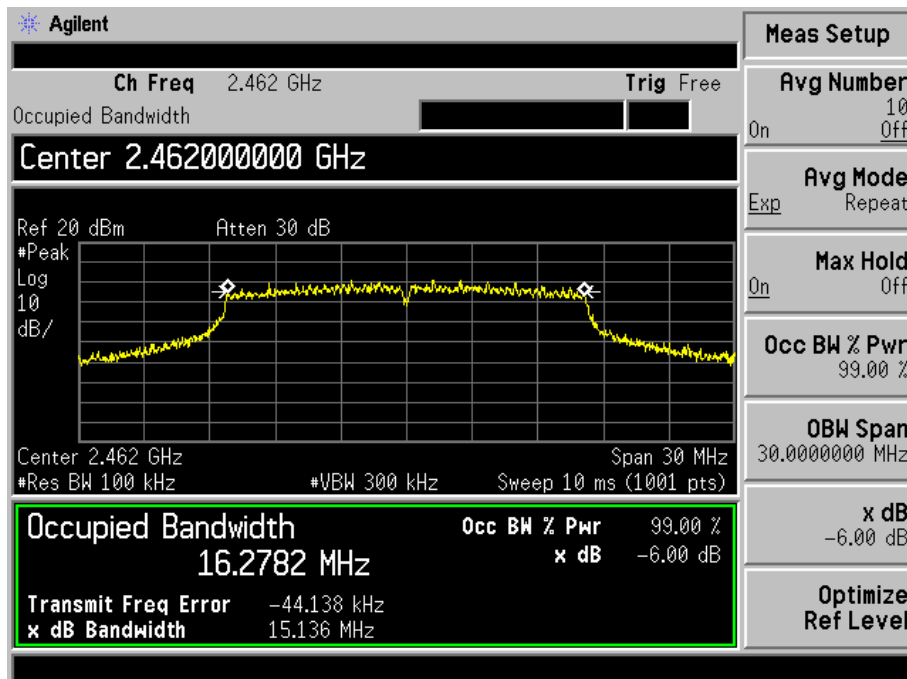
802.11g-Low Channel



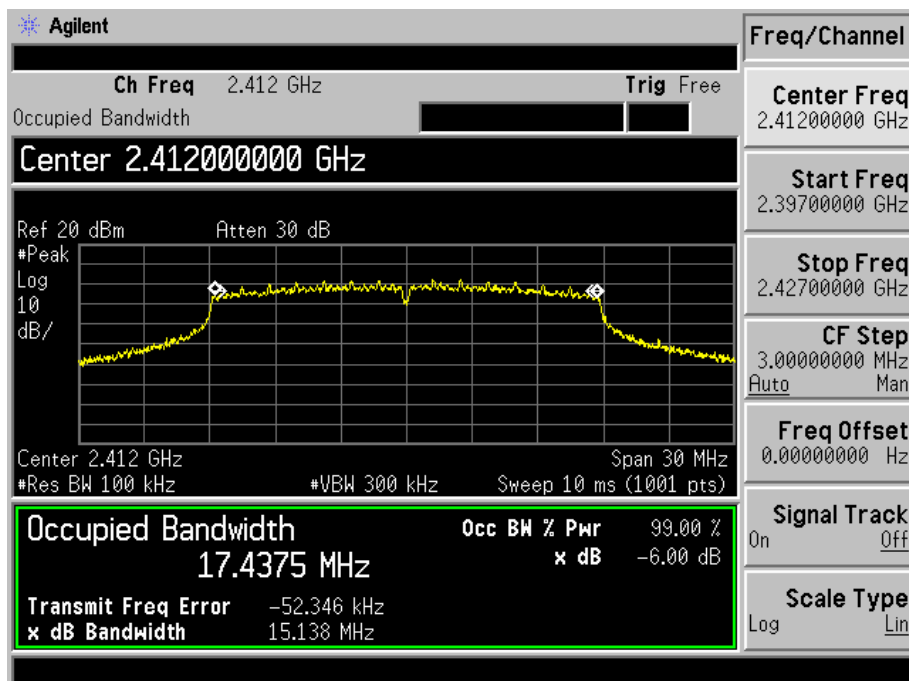
802.11g-Middle Channel



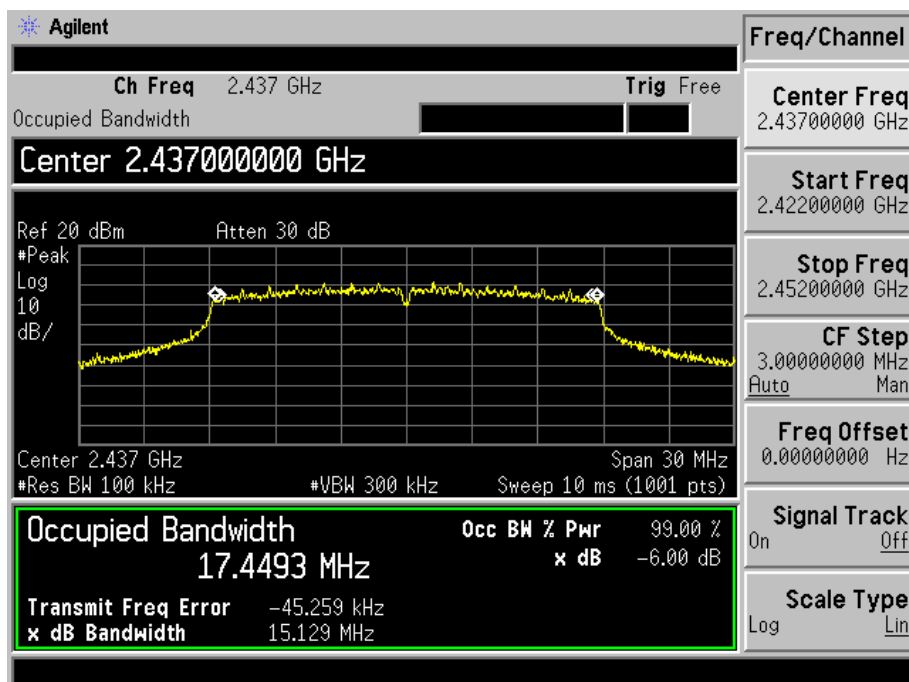
802.11g-High Channel



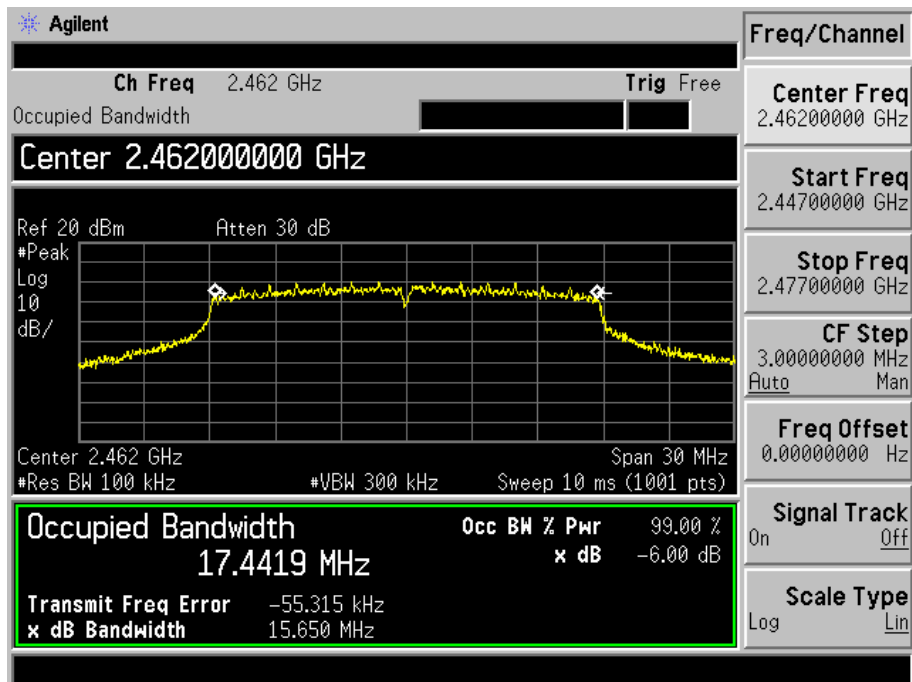
802.11n-HT20-Low Channel



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

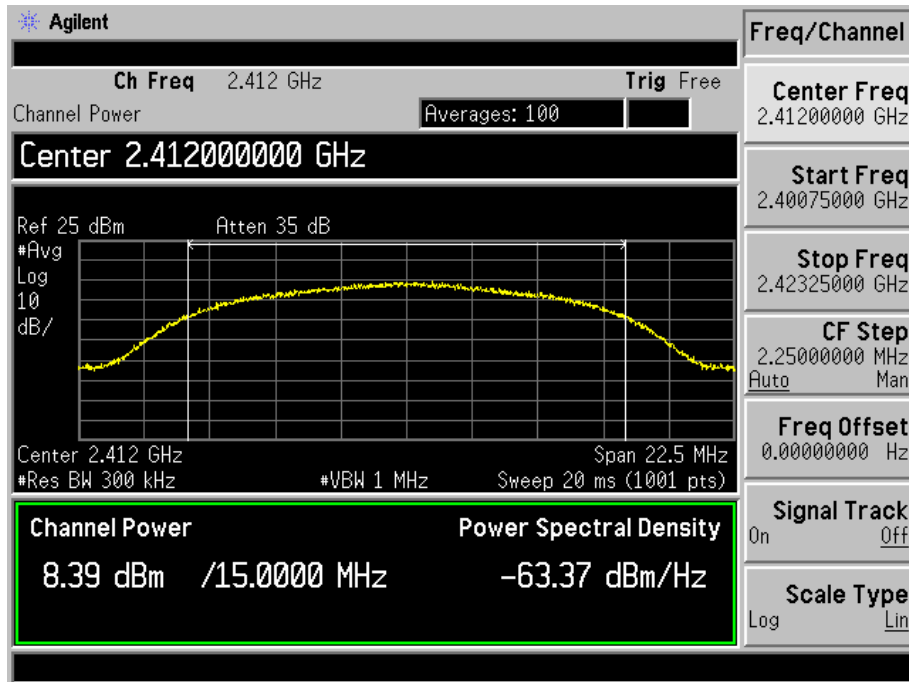
Temperature:	26° C
Relative Humidity:	57%
ATM Pressure:	1011 mbar

7.4 Summary of Test Results/Plots

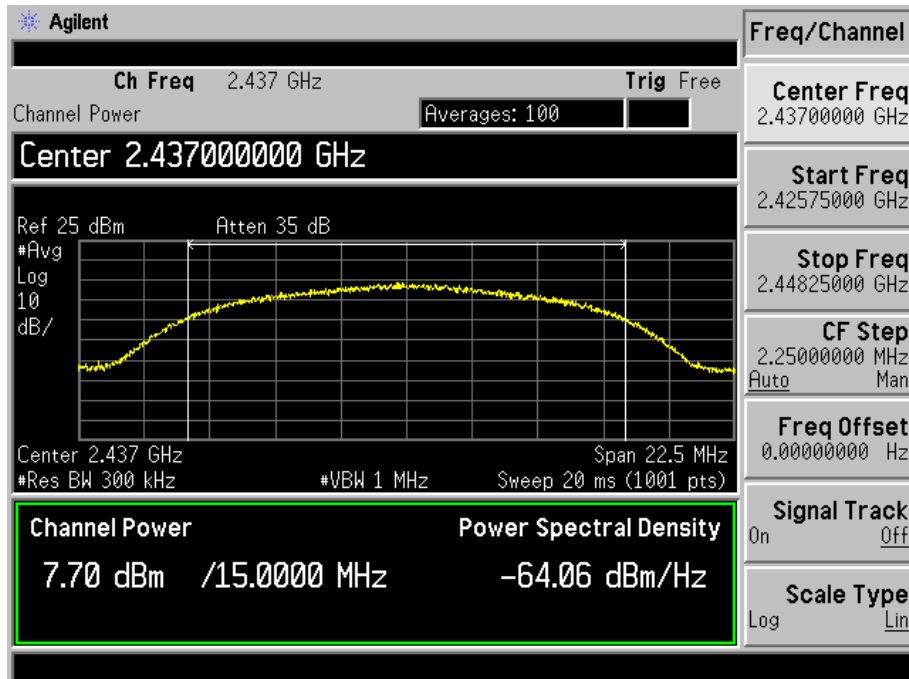
Test Mode	Frequency MHz	Reading dBm	Output Power mW	Limit mW
802.11b_11Mbps	2412	8.39	6.90	1000
	2437	7.70	5.89	1000
	2462	6.82	4.81	1000
802.11g_54Mbps	2412	7.67	5.85	1000
	2437	7.04	5.06	1000
	2462	6.16	4.13	1000
802.11n HT20_MCS7	2412	7.29	5.36	1000
	2437	6.61	4.58	1000
	2462	5.93	3.92	1000

Please refer to the following test plots:

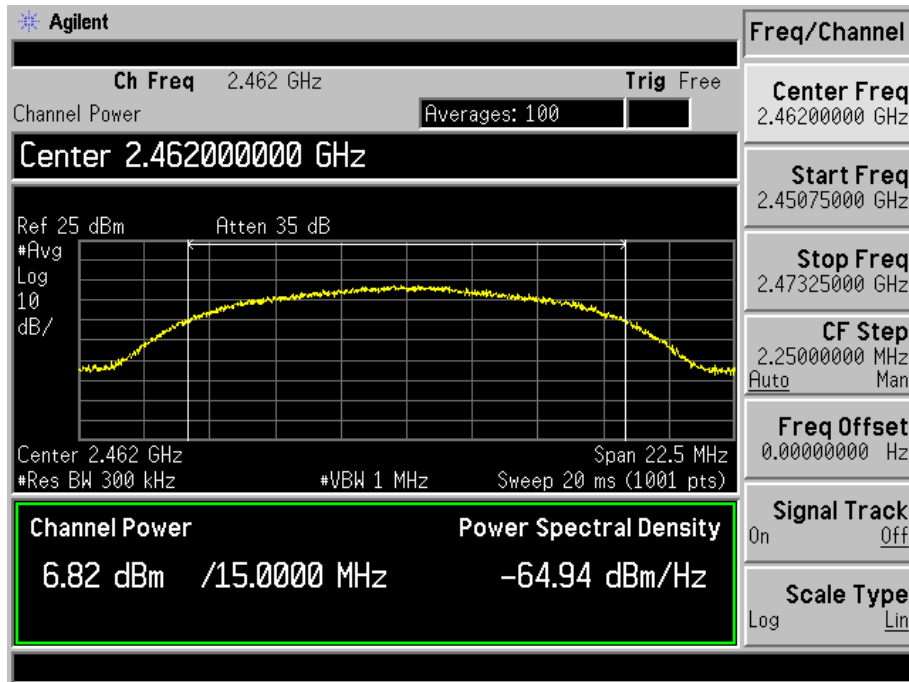
802.11-11Mbps-Low Channel



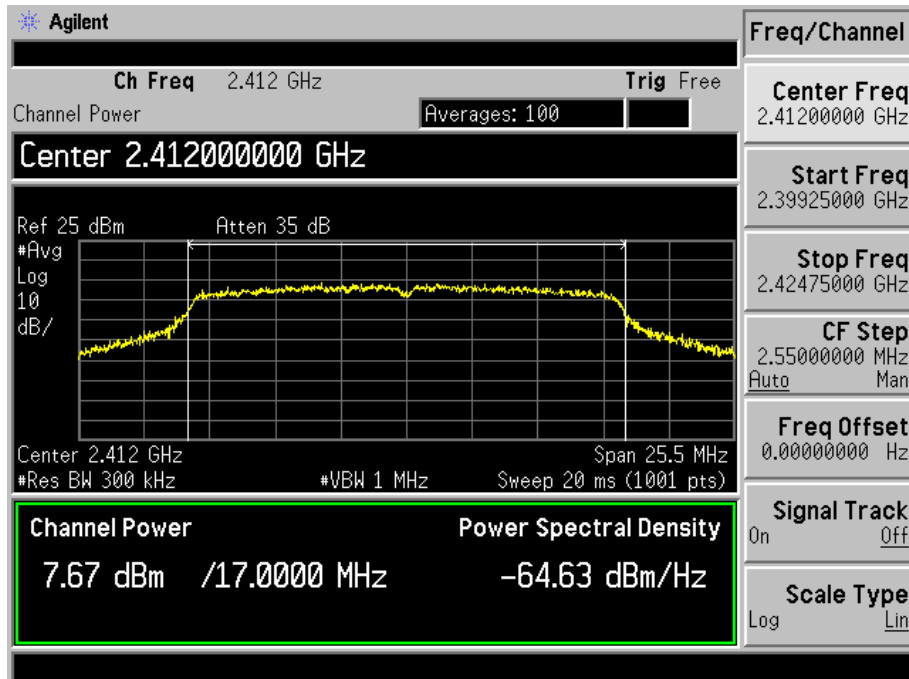
802.11b -11Mbps-Middle Channel



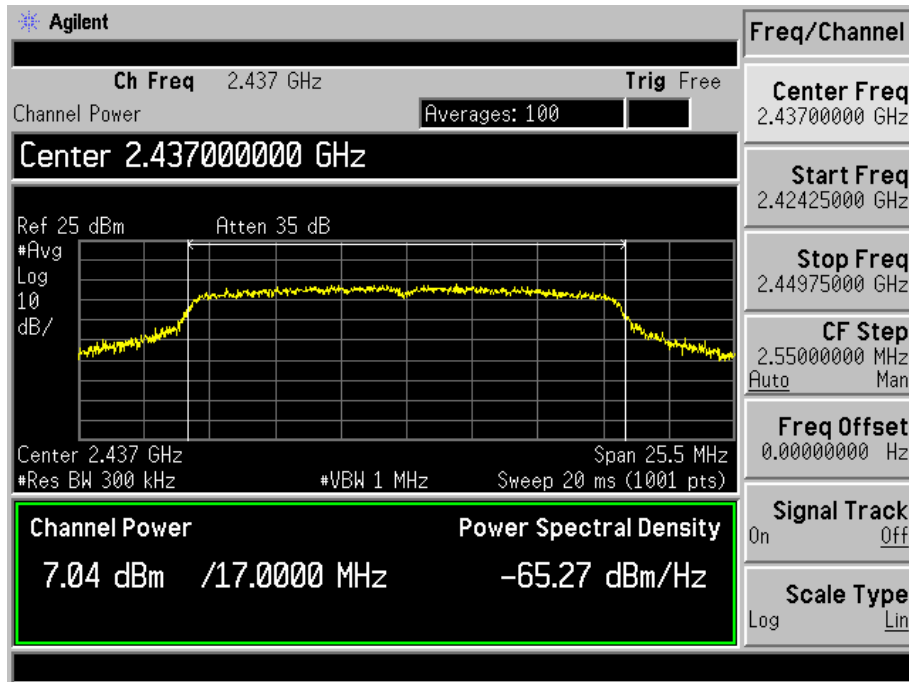
802.11b -11Mbps-High Channel



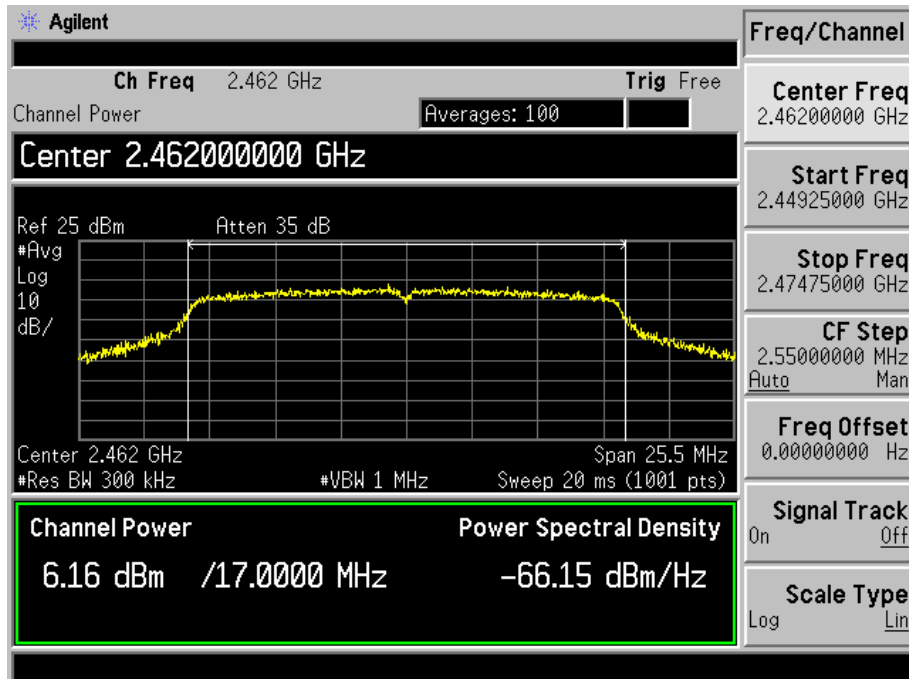
802.11g-54Mbps-Low Channel



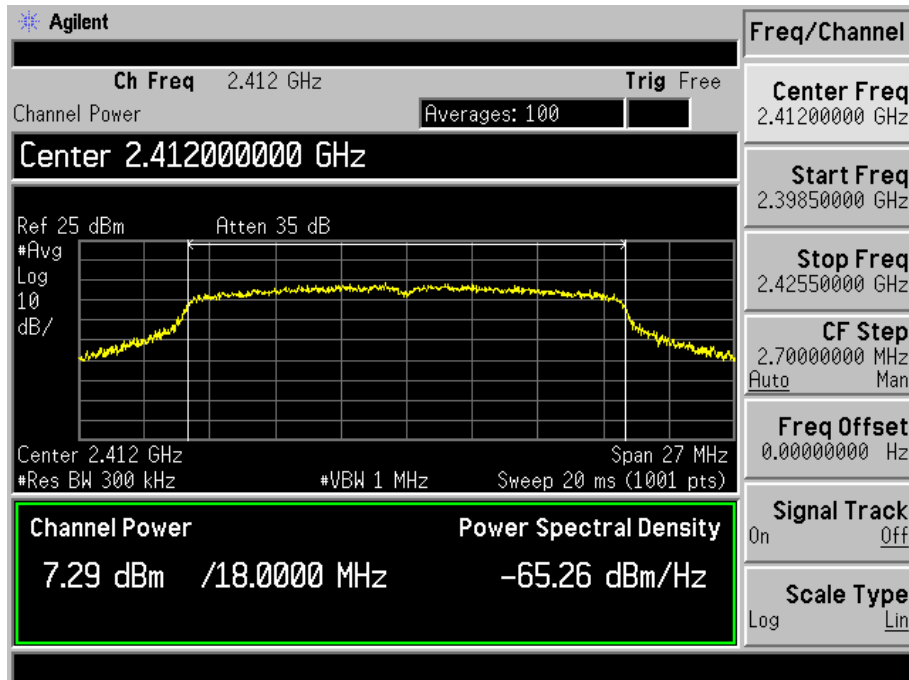
802.11g-54Mbps-Middle Channel



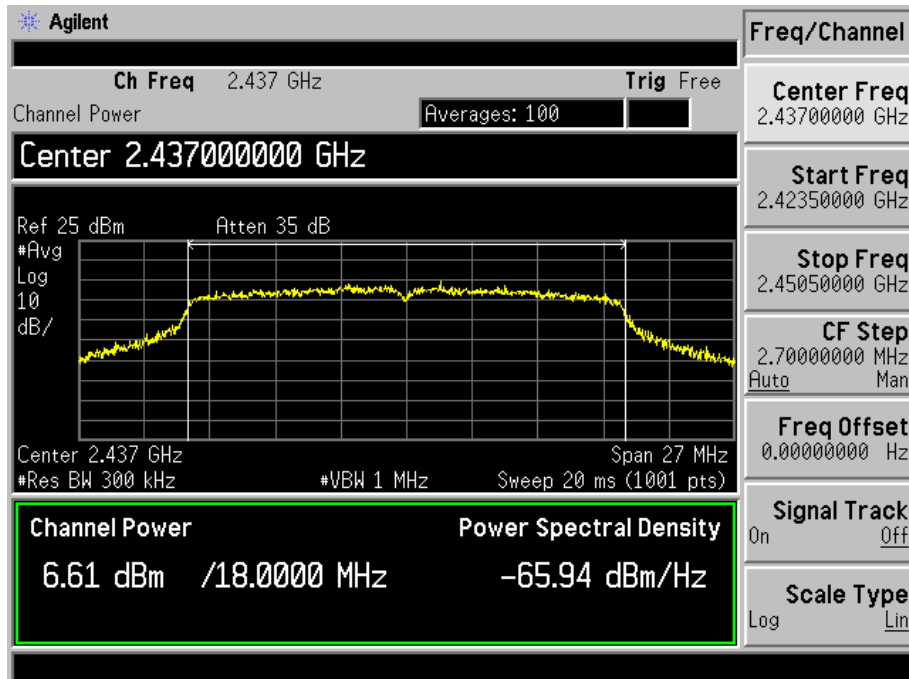
802.11g-54Mbps-High Channel



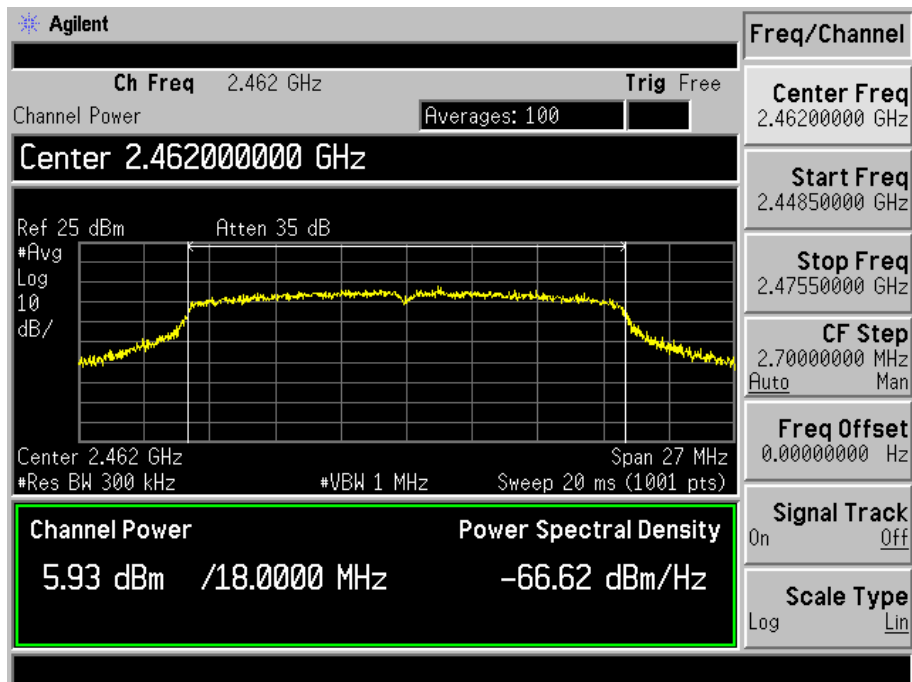
802.11n-HT20-MCS7-Low Channel



802.11n-HT20-MCS7-Middle Channel



802.11n-HT20-MCS7-High Channel



8. Field Strength of Spurious Emissions

8.1 Standard Applicable

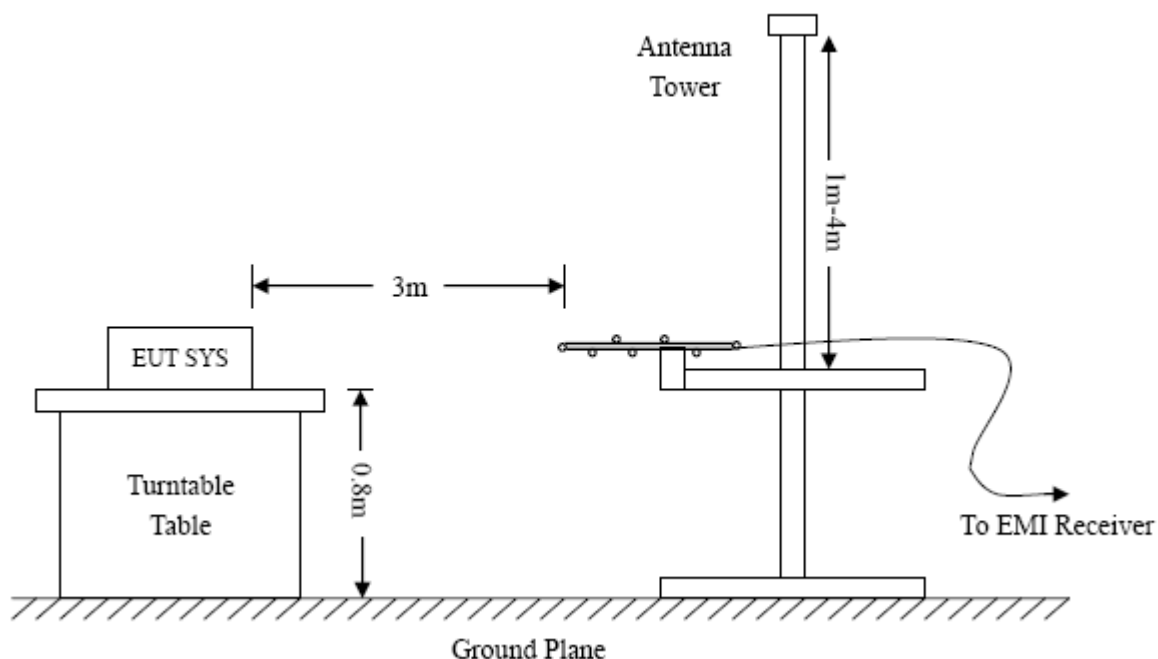
According to §15.247(d), in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within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

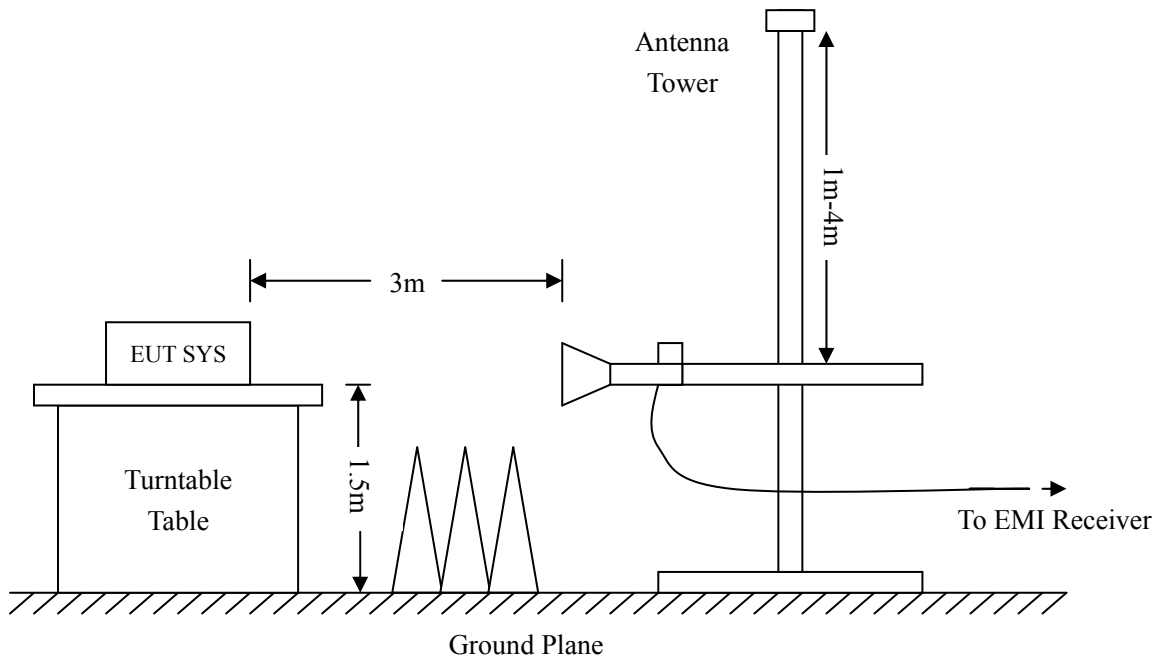
The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

8.2 Test Procedure

The setup of EUT is according with per ANSI C63.4-2014 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 -6dB μ V means the emission is 6dB μ V 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)

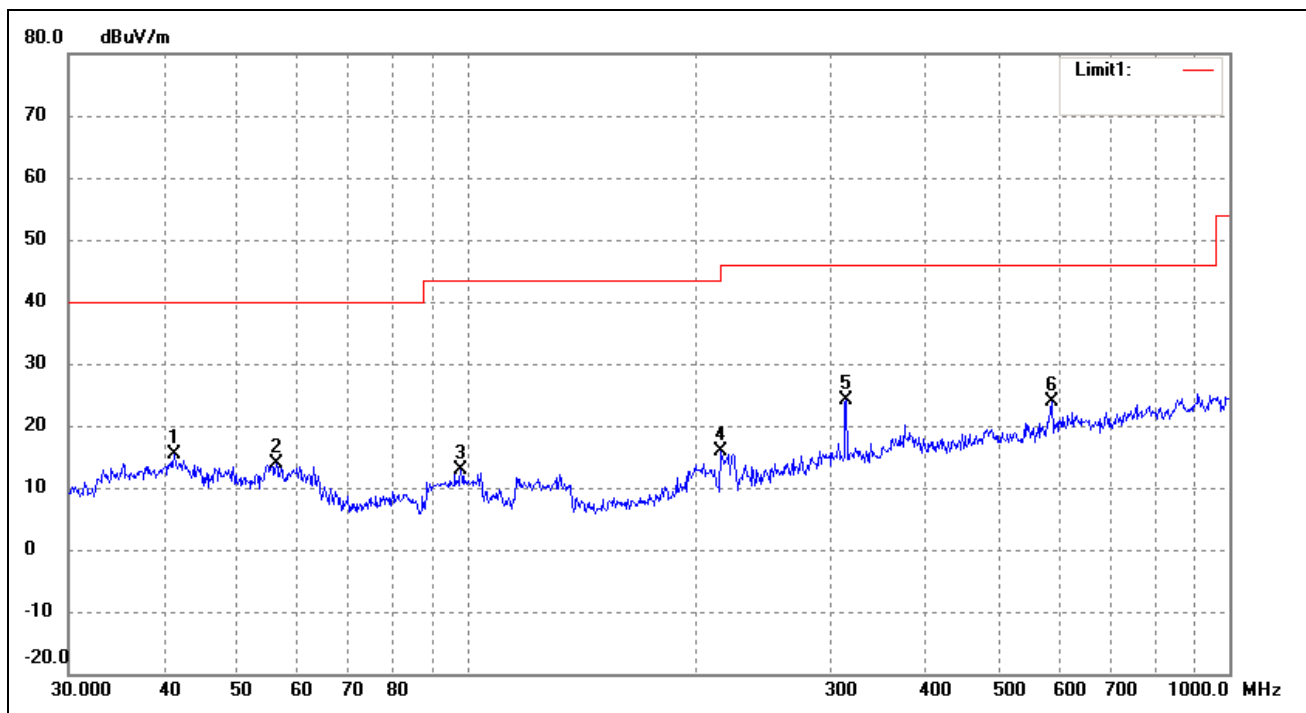
EUT: Tablet PC

Tested Model: Tbook 10

Operating Condition: 802.11b Transmitting Low Channel-2412MHz

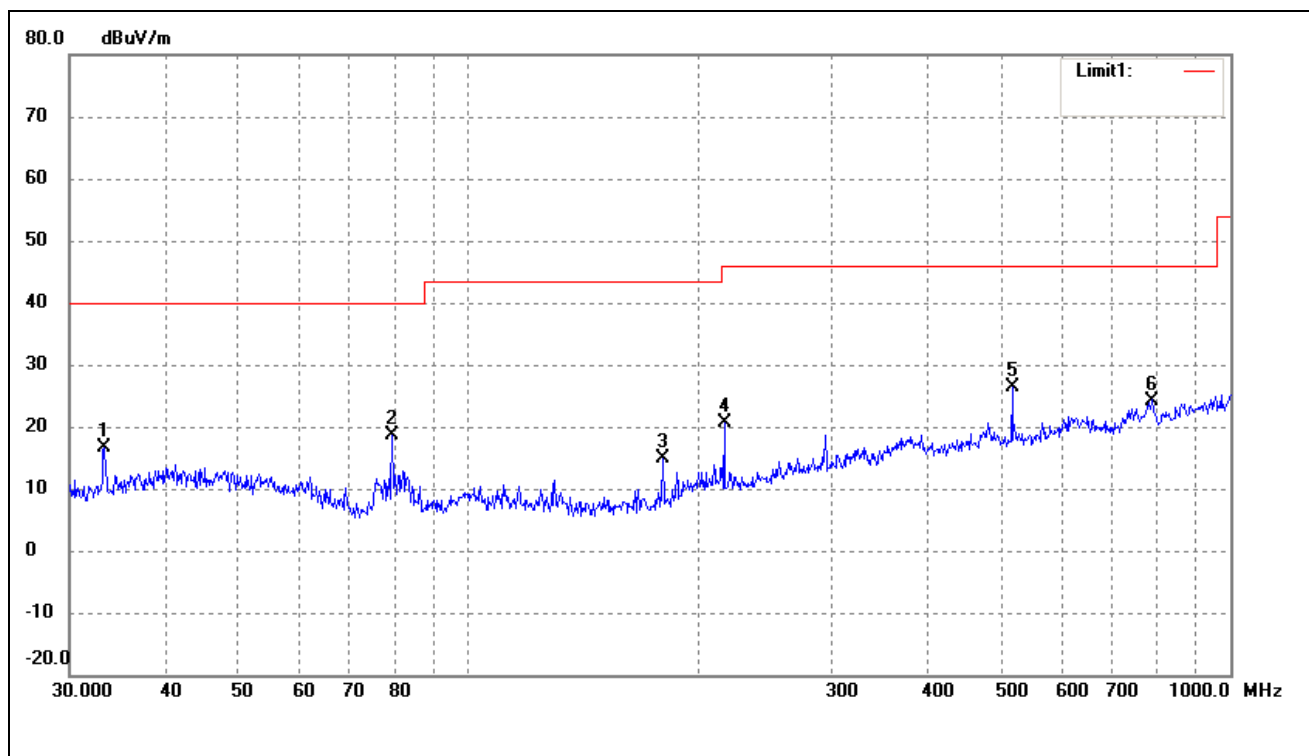
Comment: Battery: DC3.8V

Test Specification: Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	41.2765	23.20	-7.75	15.45	40.00	-24.55	254	100	peak
2	56.1974	22.86	-9.10	13.76	40.00	-26.24	113	100	peak
3	98.1419	24.14	-11.28	12.86	43.50	-30.64	284	100	peak
4	215.2678	24.74	-8.79	15.95	43.50	-27.55	360	100	peak
5	314.3765	29.04	-4.92	24.12	46.00	-21.88	100	100	peak
6	584.7895	24.60	-0.77	23.83	46.00	-22.17	87	100	peak

Test Specification: Vertical

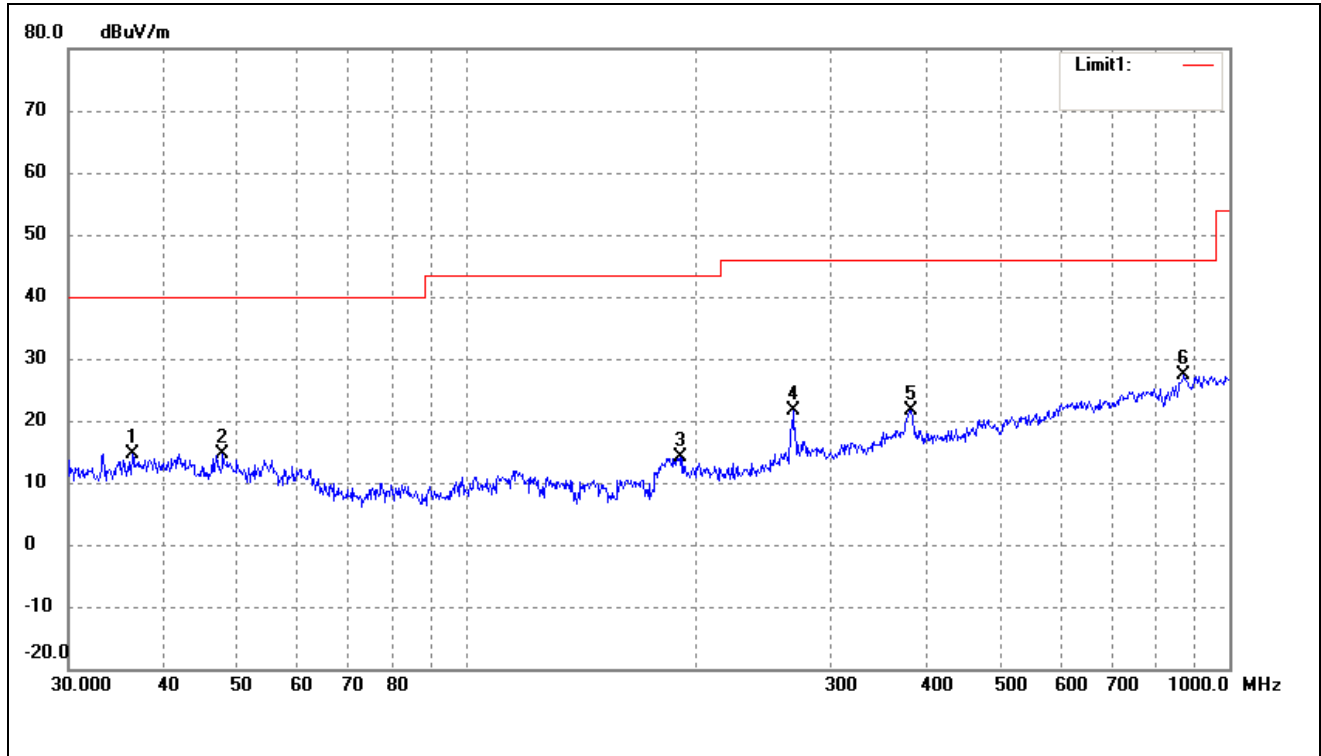


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	33.3279	26.18	-9.46	16.72	40.00	-23.28	114	100	peak
2	79.5209	30.62	-12.03	18.59	40.00	-21.41	270	100	peak
3	180.0165	26.14	-11.36	14.78	43.50	-28.72	360	100	peak
4	216.7828	29.40	-8.81	20.59	46.00	-25.41	116	100	peak
5	517.2480	28.21	-1.94	26.27	46.00	-19.73	197	100	peak
6	790.6188	21.88	2.37	24.25	46.00	-21.75	236	100	peak

Operating Condition: 802.11b Transmitting Middle Channel-2437MHz

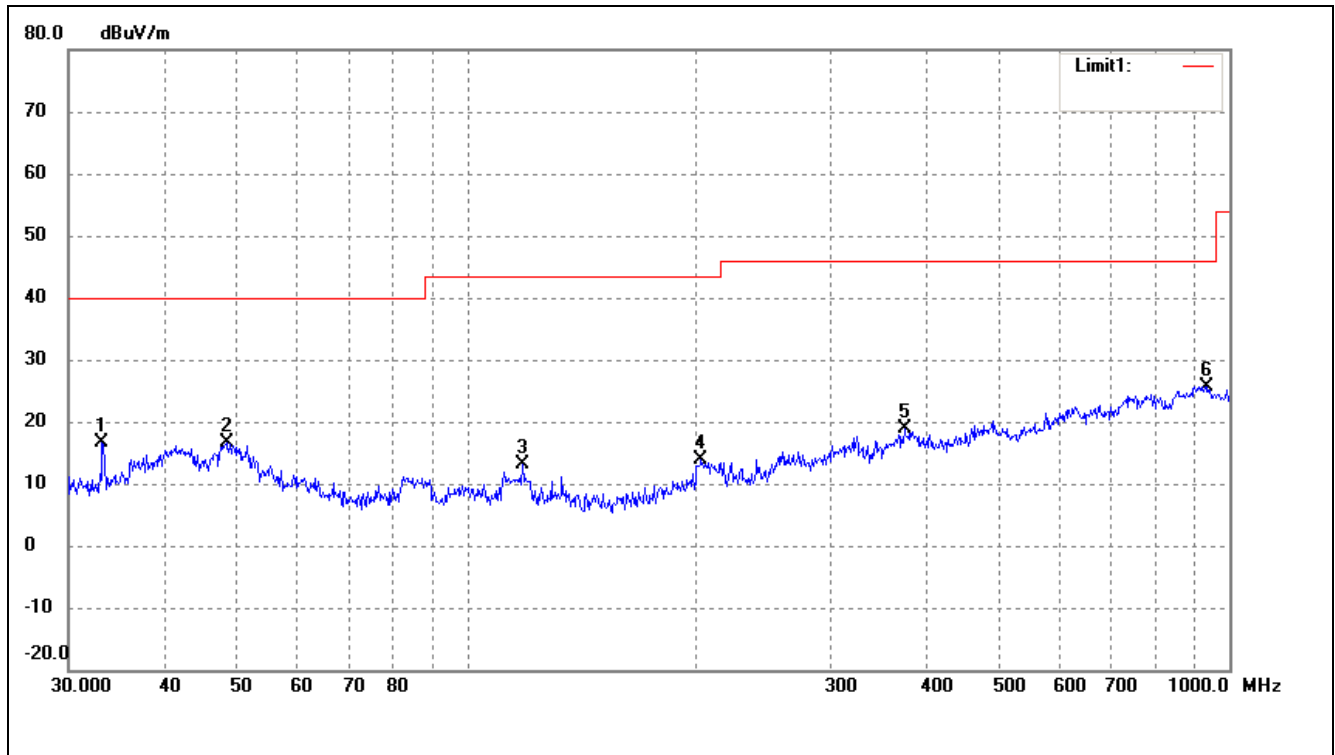
Comment: Battery: DC3.8V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	36.3814	23.36	-8.66	14.70	40.00	-25.30	178	100	peak
2	47.8260	22.92	-8.18	14.74	40.00	-25.26	224	100	peak
3	190.4050	23.97	-9.96	14.01	43.50	-29.49	160	100	peak
4	267.5455	28.23	-6.63	21.60	46.00	-24.40	290	100	peak
5	382.5879	23.97	-2.23	21.74	46.00	-24.26	67	100	peak
6	872.1832	24.34	3.05	27.39	46.00	-18.61	127	100	peak

Test Specification: Vertical

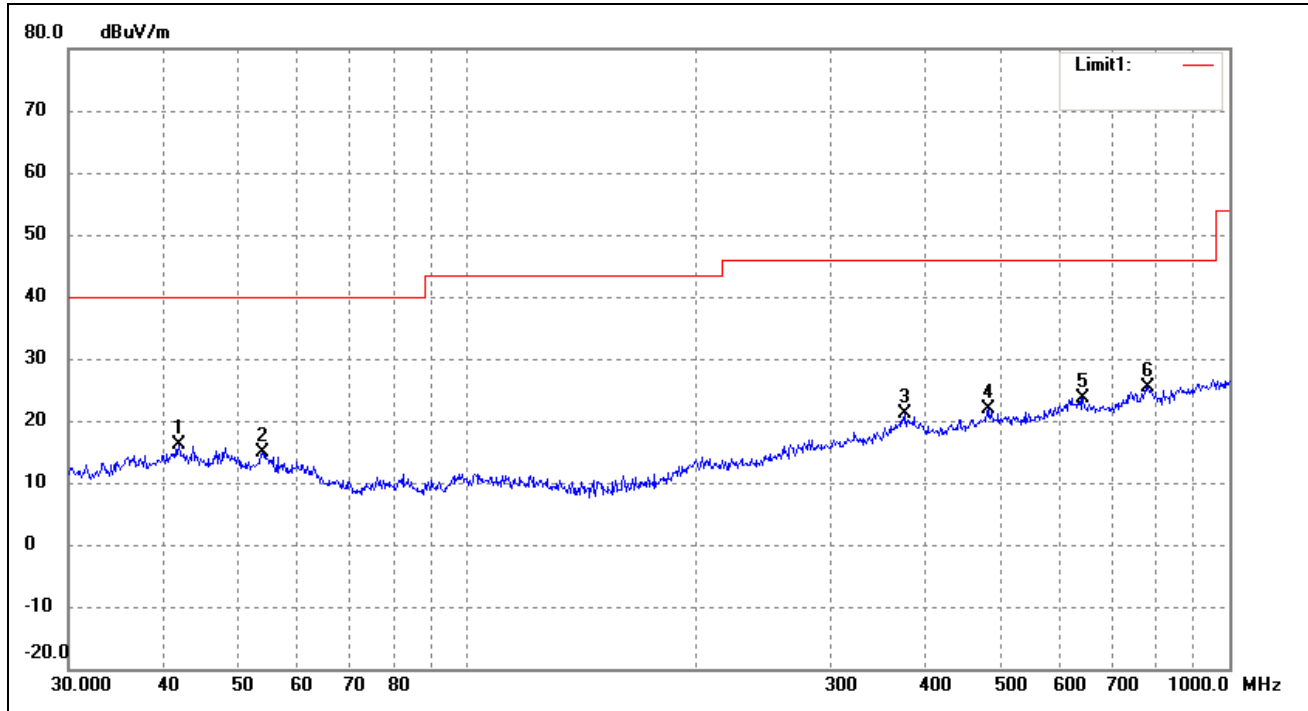


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	33.2112	26.04	-9.50	16.54	40.00	-23.46	256	100	peak
2	48.3318	24.80	-8.21	16.59	40.00	-23.41	128	100	peak
3	118.1862	24.59	-11.38	13.21	43.50	-30.29	76	100	peak
4	202.8104	22.51	-8.68	13.83	43.50	-29.67	136	100	peak
5	374.6226	21.32	-2.41	18.91	46.00	-27.09	215	100	peak
6	935.5463	21.57	4.13	25.70	46.00	-20.30	199	100	peak

Operating Condition: 802.11b Transmitting High Channel-2462MHz

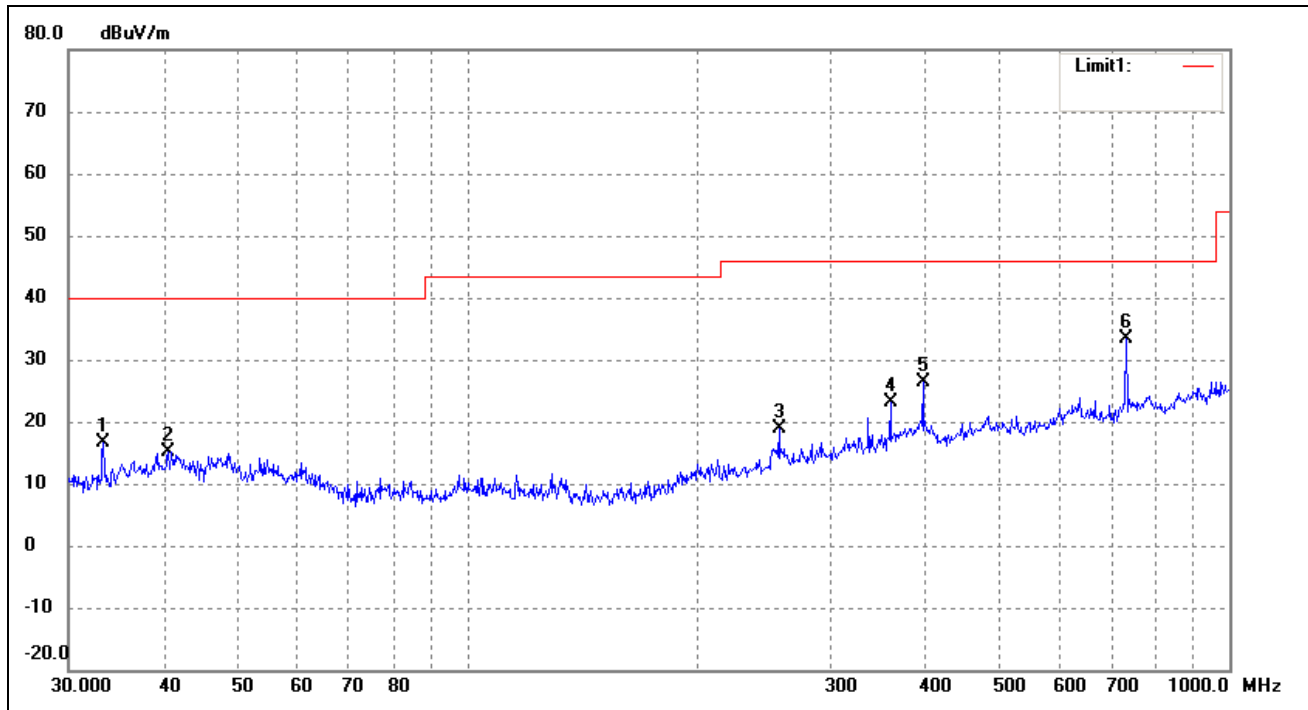
Comment: Battery: DC3.8V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	41.8596	23.85	-7.79	16.06	40.00	-23.94	176	100	peak
2	53.8818	23.75	-8.81	14.94	40.00	-25.06	255	100	peak
3	375.9385	23.42	-2.33	21.09	46.00	-24.91	360	100	peak
4	483.9094	23.03	-1.27	21.76	46.00	-24.24	178	100	peak
5	642.8613	22.99	0.65	23.64	46.00	-22.36	219	100	peak
6	782.3453	22.63	2.78	25.41	46.00	-20.59	86	100	peak

Test Specification: Vertical

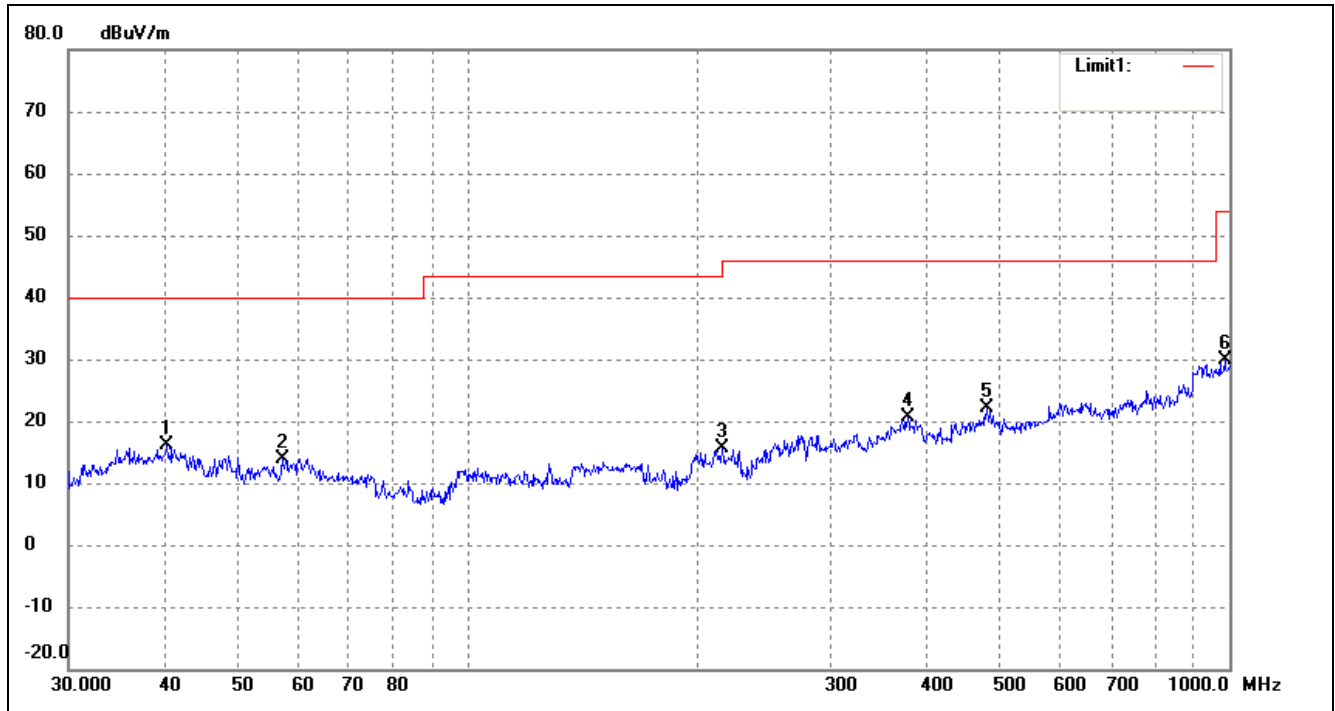


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	33.3279	26.14	-9.46	16.68	40.00	-23.32	360	100	peak
2	40.5591	22.85	-7.70	15.15	40.00	-24.85	225	100	peak
3	256.5211	26.02	-7.18	18.84	46.00	-27.16	160	100	peak
4	359.1860	26.57	-3.32	23.25	46.00	-22.75	310	100	peak
5	396.2415	29.28	-2.95	26.33	46.00	-19.67	103	100	peak
6	731.9203	31.73	1.66	33.39	46.00	-12.61	278	100	peak

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

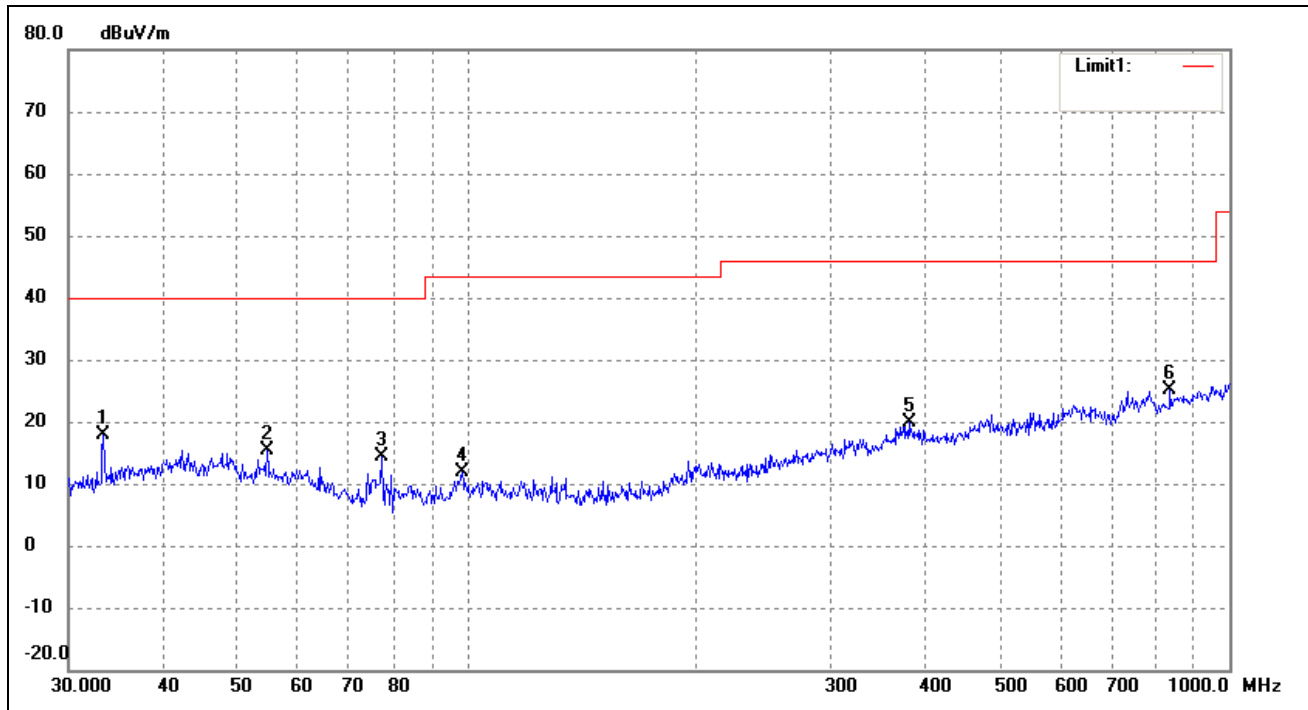
EUT: Tablet PC
 Tested Model: Tbook 10
 Operating Condition: 802.11g Transmitting Low Channel-2412MHz
 Comment: Battery: DC3.8V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	40.4172	23.89	-7.70	16.19	40.00	-23.81	174	100	peak
2	57.1914	23.21	-9.22	13.99	40.00	-26.01	160	100	peak
3	216.0240	24.55	-8.81	15.74	46.00	-30.26	320	100	peak
4	378.5843	22.70	-2.17	20.53	46.00	-25.47	360	100	peak
5	480.5276	23.15	-1.08	22.07	46.00	-23.93	102	100	peak
6	986.0717	25.80	4.16	29.96	54.00	-24.04	54	100	peak

Test Specification: Vertical

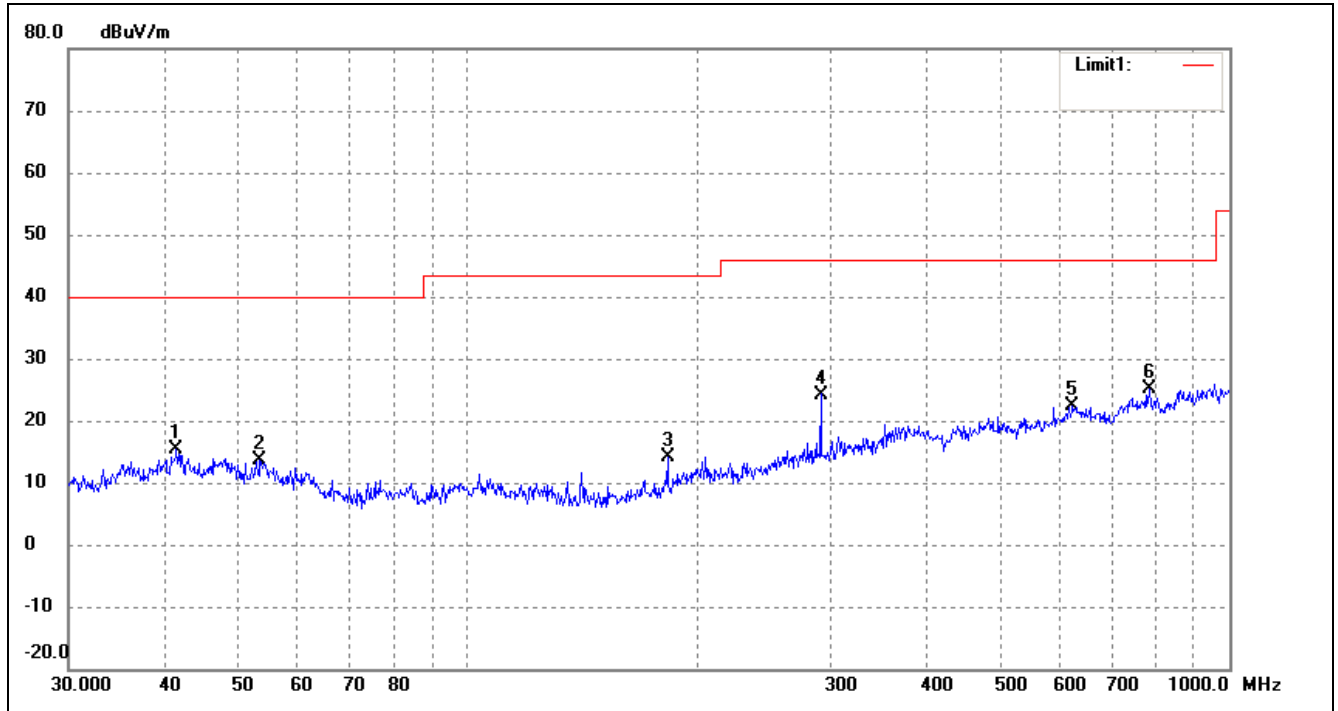


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	33.3279	27.24	-9.46	17.78	40.00	-22.22	177	100	peak
2	54.6429	24.23	-8.91	15.32	40.00	-24.68	90	100	peak
3	77.3212	26.57	-12.21	14.36	40.00	-25.64	336	100	peak
4	98.4866	23.13	-11.21	11.92	43.50	-31.58	360	100	peak
5	379.9141	22.08	-2.11	19.97	46.00	-26.03	118	100	peak
6	836.2443	23.25	1.84	25.09	46.00	-20.91	54	100	peak

Operating Condition: 802.11g Transmitting Middle Channel-2437MHz

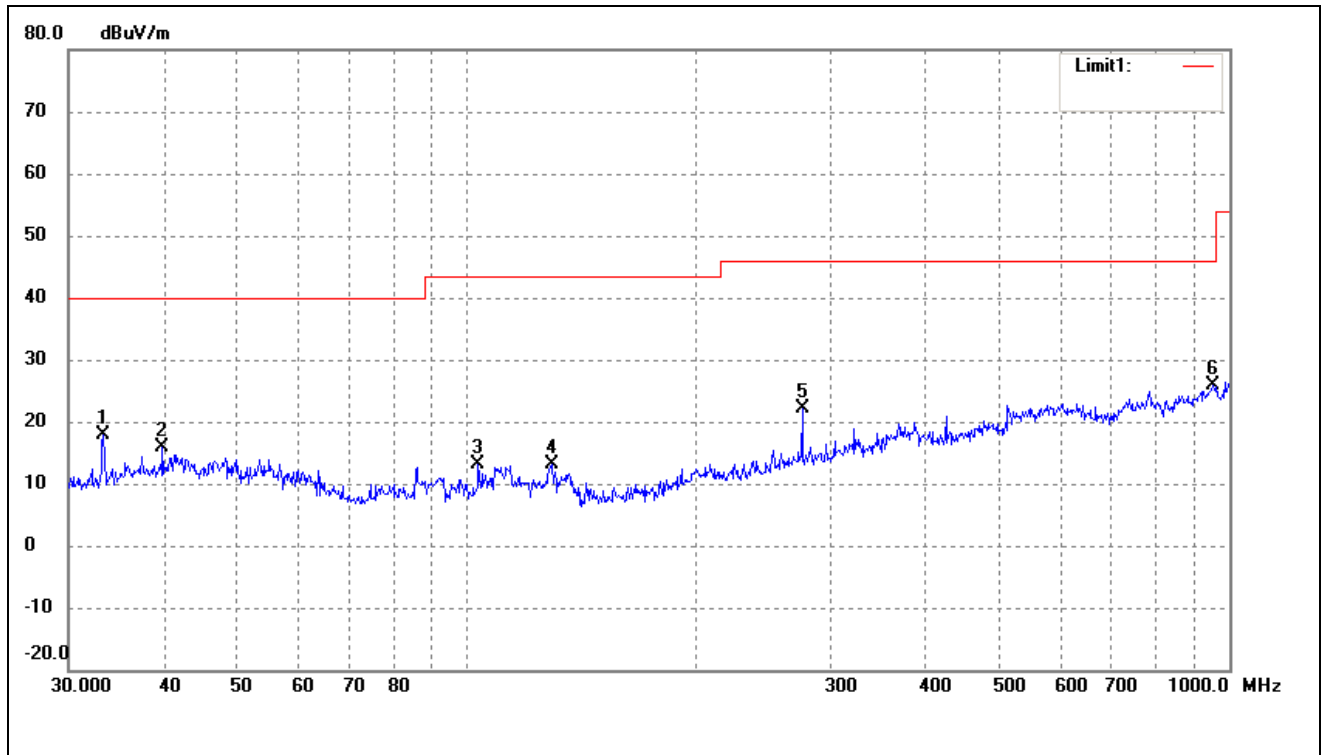
Comment: Battery: DC3.8V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	41.5670	23.08	-7.77	15.31	40.00	-24.69	270	100	peak
2	53.5052	22.40	-8.76	13.64	40.00	-26.36	164	100	peak
3	183.2005	25.03	-10.93	14.10	43.50	-29.40	228	100	peak
4	291.0360	30.10	-5.85	24.25	46.00	-21.75	130	100	peak
5	622.8900	21.22	1.16	22.38	46.00	-23.62	360	100	peak
6	785.0935	22.46	2.65	25.11	46.00	-20.89	32	100	peak

Test Specification: Vertical

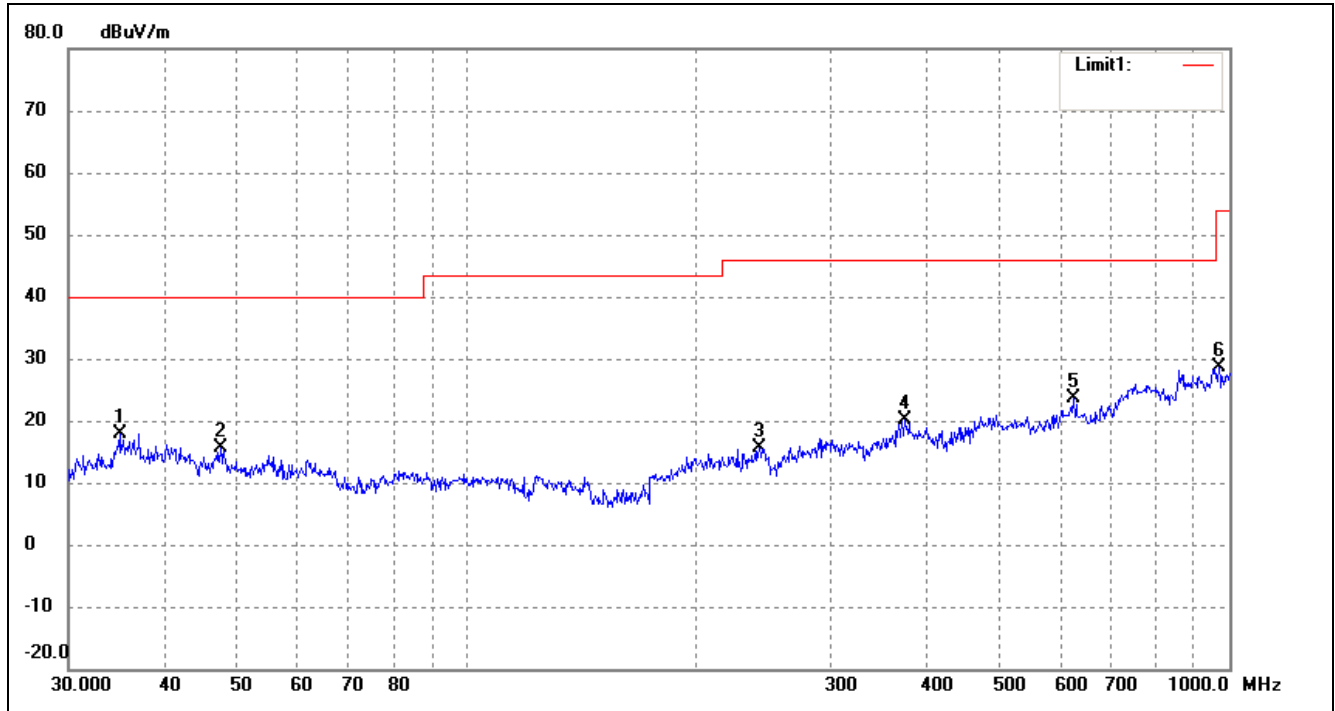


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	33.3279	27.27	-9.46	17.81	40.00	-22.19	360	100	peak
2	39.8542	23.58	-7.71	15.87	40.00	-24.13	255	100	peak
3	103.4421	24.16	-10.99	13.17	43.50	-30.33	270	100	peak
4	129.4678	24.98	-11.97	13.01	43.50	-30.49	180	100	peak
5	275.1570	28.44	-6.30	22.14	46.00	-23.86	119	100	peak
6	952.0937	22.07	3.85	25.92	46.00	-20.08	52	100	peak

Operating Condition: 802.11g Transmitting High Channel-2462MHz

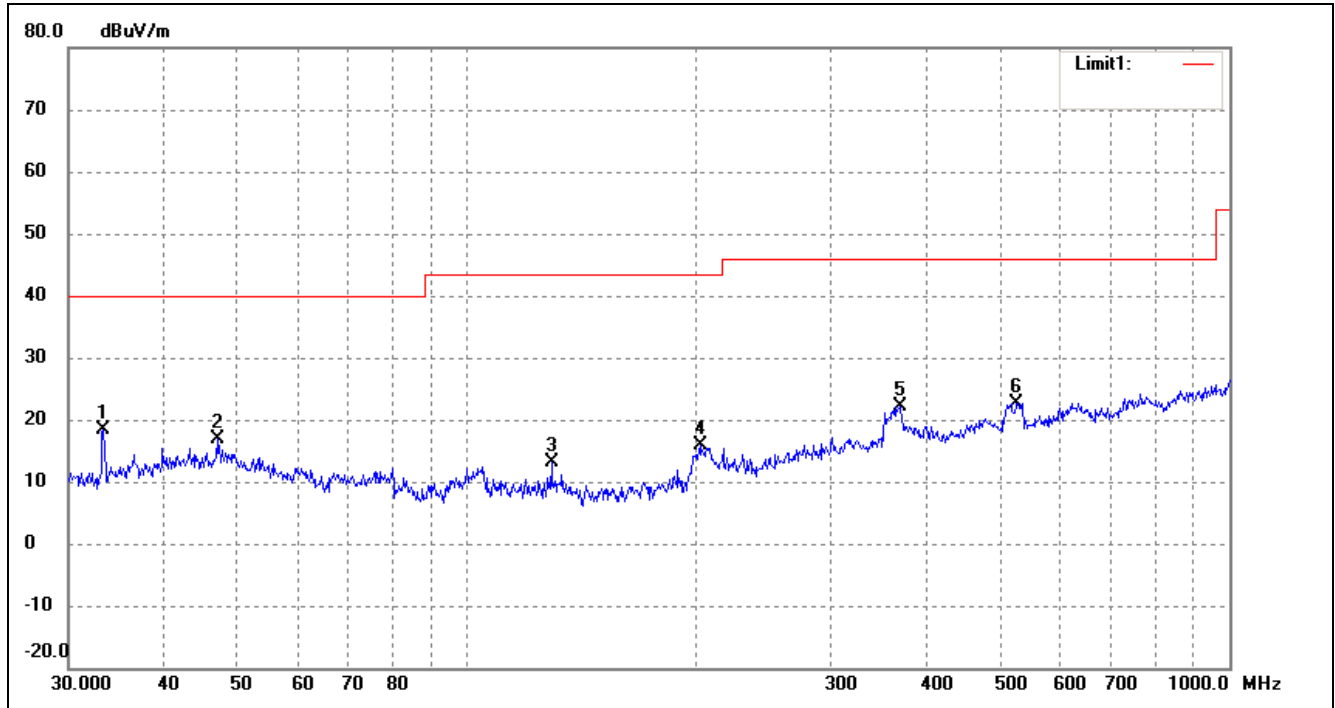
Comment: Battery: DC3.8V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	35.0048	26.99	-9.04	17.95	40.00	-22.05	270	100	peak
2	47.4918	23.90	-8.16	15.74	40.00	-24.26	51	100	peak
3	241.6763	23.79	-8.20	15.59	46.00	-30.41	360	100	peak
4	374.6226	22.43	-2.41	20.02	46.00	-25.98	360	100	peak
5	625.0780	22.64	1.11	23.75	46.00	-22.25	99	100	peak
6	968.9338	24.89	3.72	28.61	54.00	-25.39	183	100	peak

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	33.3279	27.92	-9.46	18.46	40.00	-21.54	360	100	peak
2	46.9948	25.01	-8.13	16.88	40.00	-23.12	180	100	peak
3	129.0146	25.13	-11.94	13.19	43.50	-30.31	225	100	peak
4	202.8104	24.63	-8.68	15.95	43.50	-27.55	67	100	peak
5	369.4047	24.87	-2.71	22.16	46.00	-23.84	222	100	peak
6	526.3967	24.57	-1.86	22.71	46.00	-23.29	123	100	peak

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

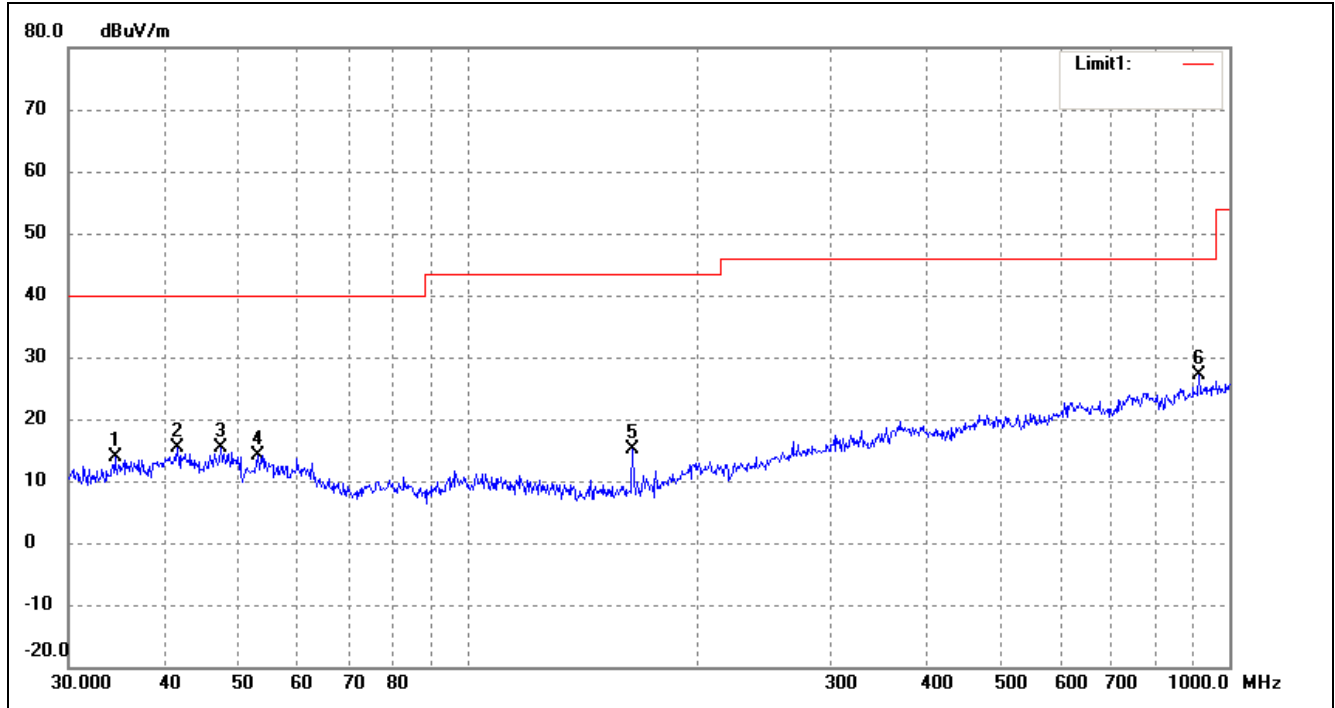
EUT: Tablet PC

Tested Model: Tbook 10

Operating Condition: 802.11n-HT20 Transmitting Low Channel-2412MHz

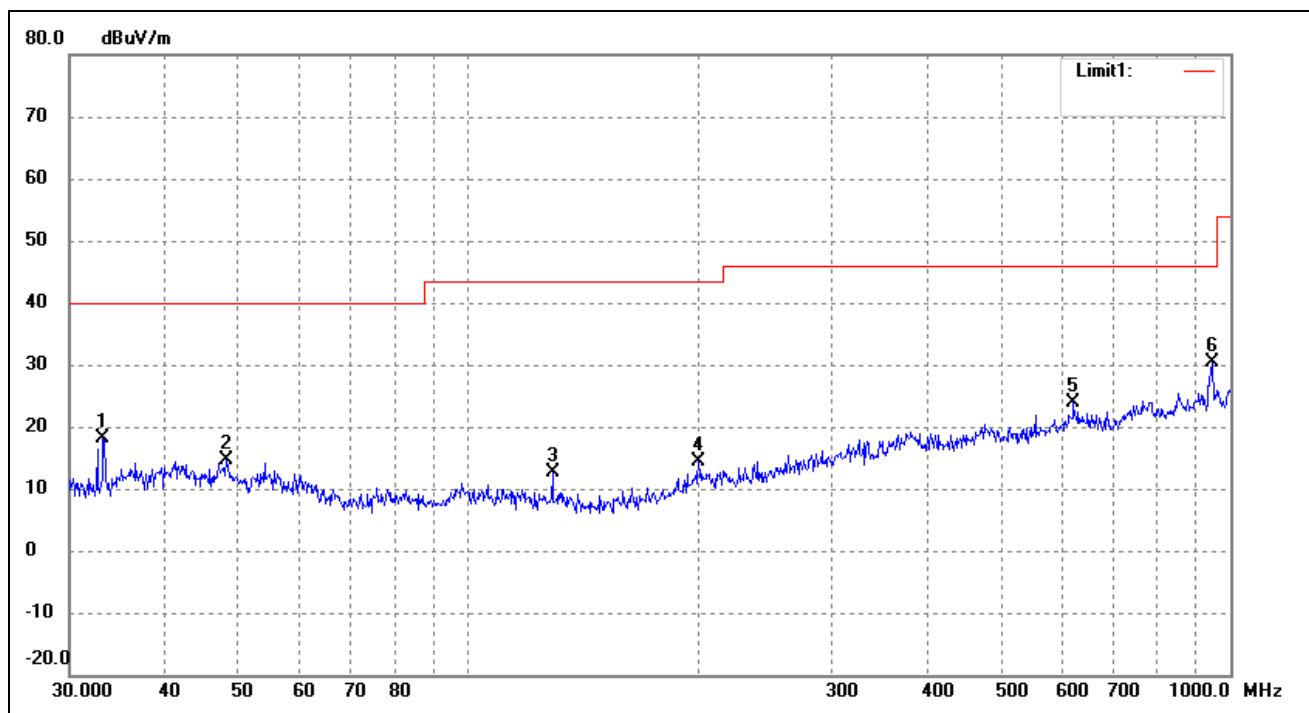
Comment: Battery: DC3.8V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	34.5173	23.02	-9.17	13.85	40.00	-26.15	260	100	peak
2	41.7130	23.17	-7.78	15.39	40.00	-24.61	131	100	peak
3	47.4918	23.42	-8.16	15.26	40.00	-24.74	285	100	peak
4	53.1313	22.94	-8.72	14.22	40.00	-25.78	224	100	peak
5	164.9075	27.13	-12.04	15.09	43.50	-28.41	193	100	peak
6	912.8620	23.68	3.49	27.17	46.00	-18.83	85	100	peak

Test Specification: Vertical

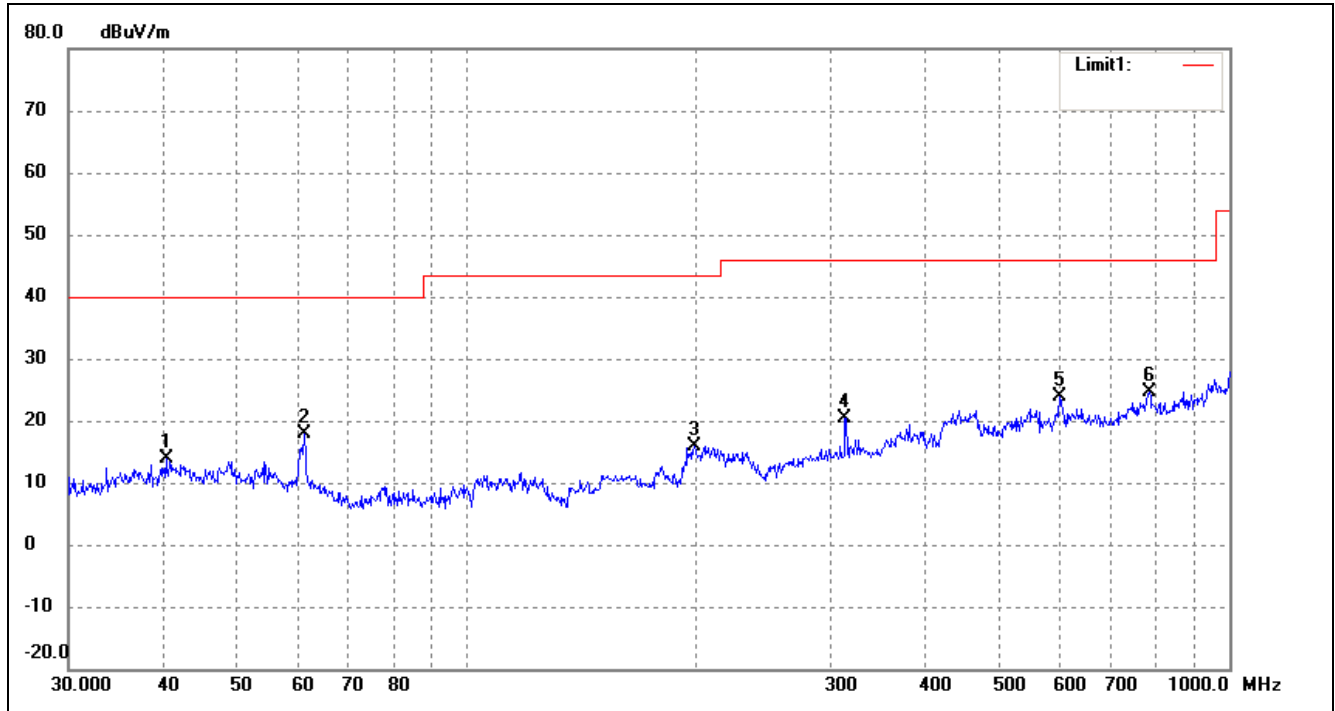


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	33.2112	27.58	-9.50	18.08	40.00	-21.92	155	100	peak
2	48.1626	22.72	-8.20	14.52	40.00	-25.48	197	100	peak
3	129.0146	24.53	-11.94	12.59	43.50	-30.91	310	100	peak
4	200.6881	23.07	-8.66	14.41	43.50	-29.09	229	100	peak
5	622.8900	22.67	1.16	23.83	46.00	-22.17	130	100	peak
6	948.7610	26.46	3.97	30.43	46.00	-15.57	118	100	peak
1	33.2112	27.58	-9.50	18.08	40.00	-21.92	68	100	peak

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

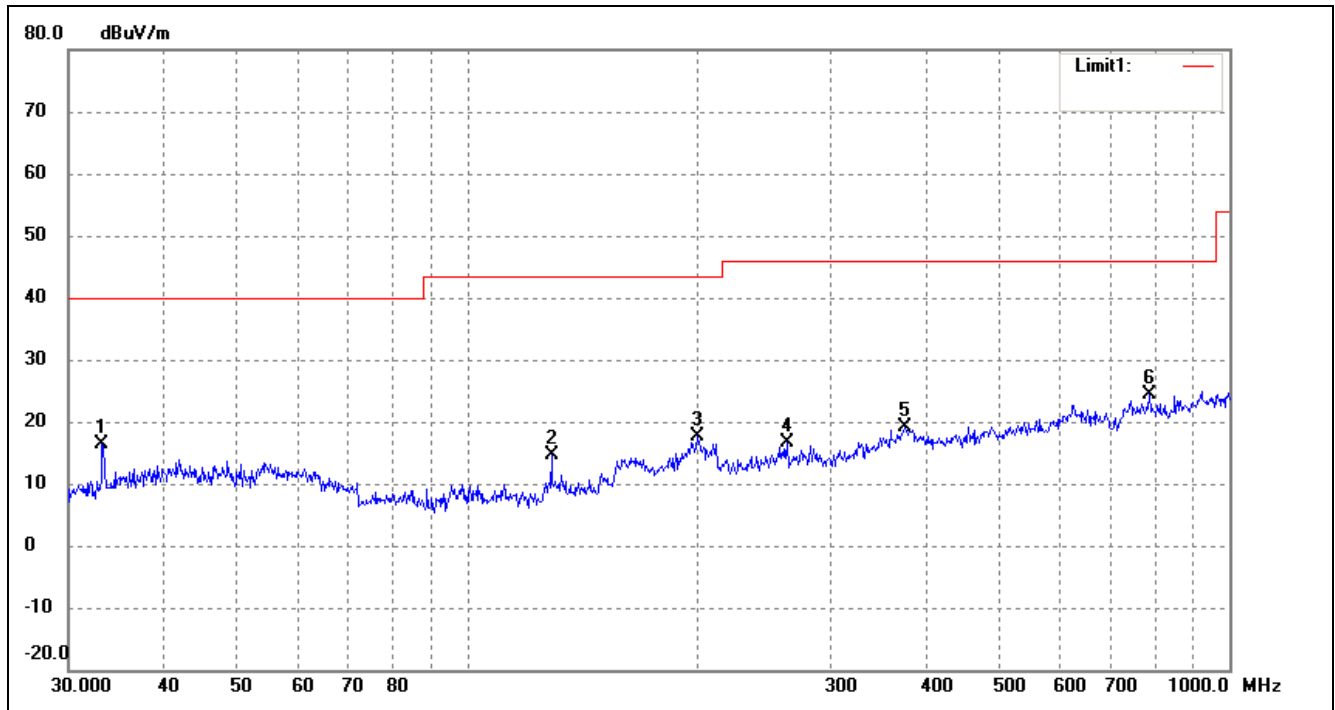
Comment: Battery: DC3.8V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	40.2757	21.51	-7.69	13.82	40.00	-26.18	274	100	peak
2	61.1316	27.77	-9.94	17.83	40.00	-22.17	116	100	peak
3	198.5880	24.81	-8.85	15.96	43.50	-27.54	82	100	peak
4	313.2760	25.31	-4.97	20.34	46.00	-25.66	134	100	peak
5	599.3213	23.98	-0.17	23.81	46.00	-22.19	182	100	peak
6	785.0935	21.98	2.65	24.63	46.00	-21.37	208	100	peak

Test Specification: Vertical

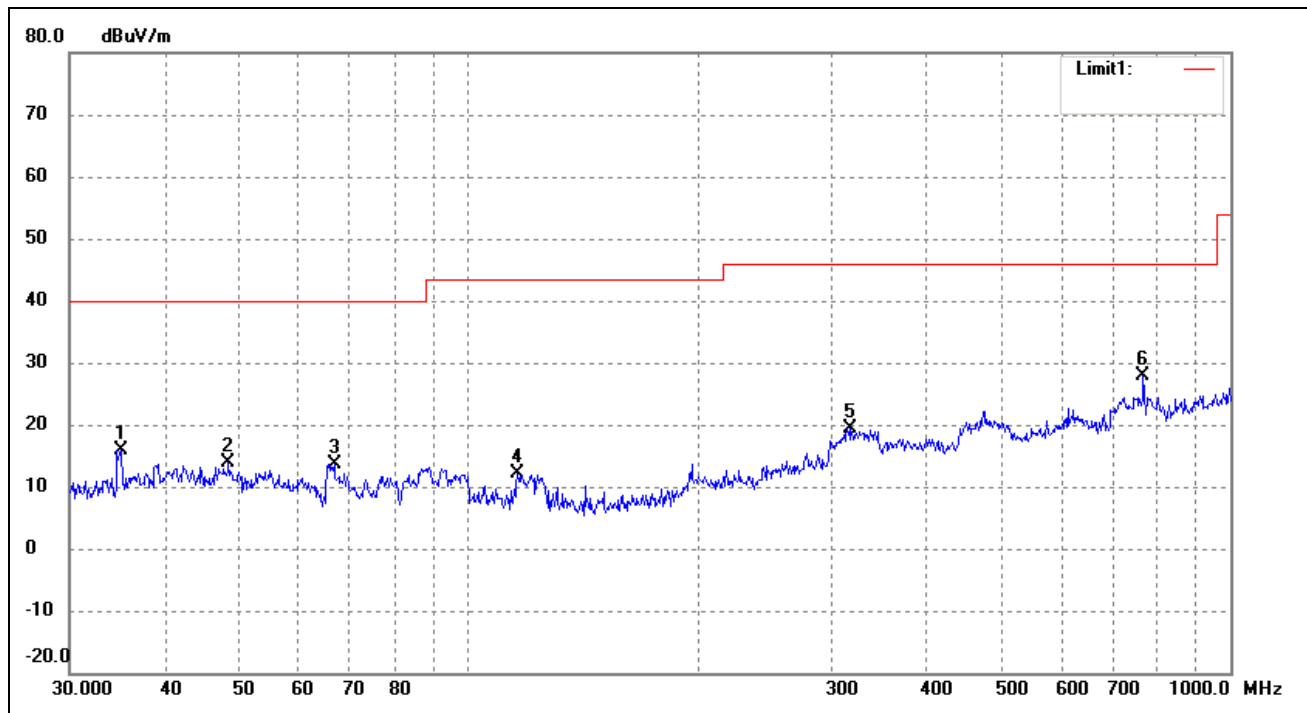


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	33.2112	25.90	-9.50	16.40	40.00	-23.60	264	100	peak
2	129.0146	26.67	-11.94	14.73	43.50	-28.77	110	100	peak
3	200.6881	26.19	-8.66	17.53	43.50	-25.97	136	100	peak
4	262.8955	23.34	-6.83	16.51	46.00	-29.49	90	100	peak
5	374.6226	21.49	-2.41	19.08	46.00	-26.92	177	100	peak
6	785.0935	21.76	2.65	24.41	46.00	-21.59	310	100	peak

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

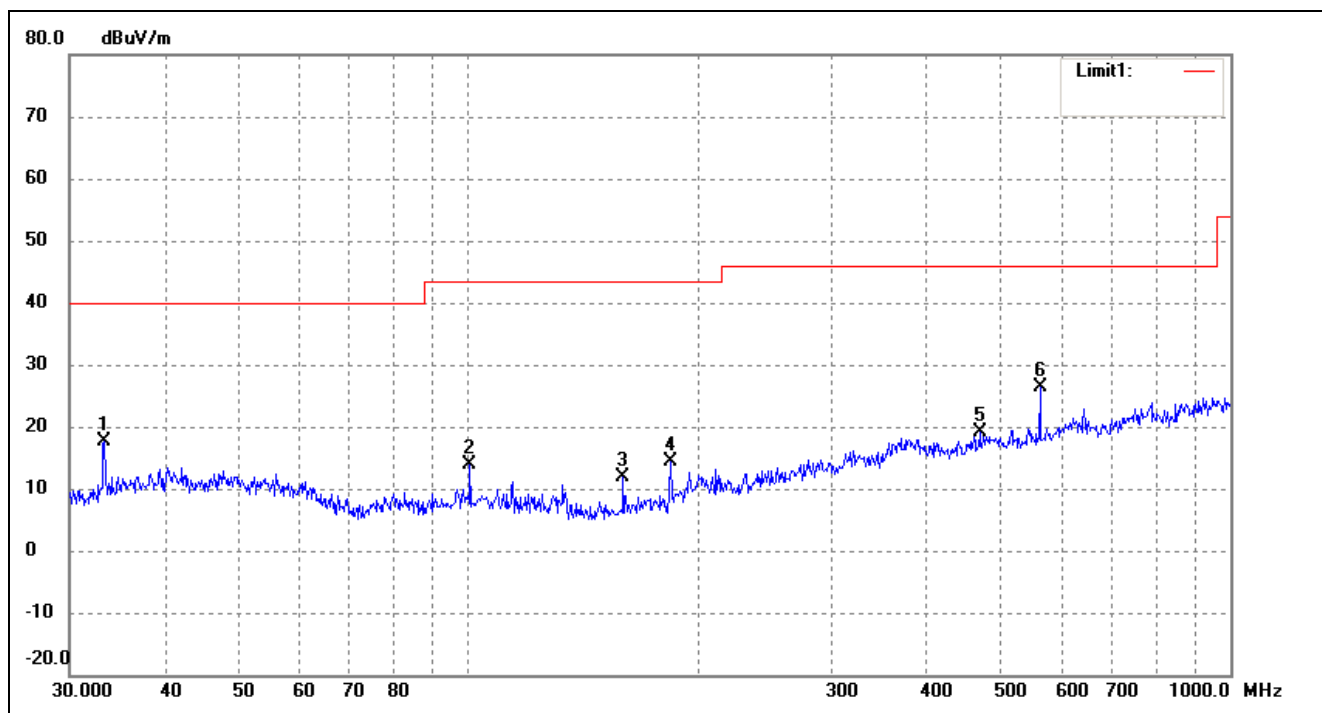
Comment: Battery: DC3.8V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	35.1278	24.96	-9.01	15.95	40.00	-24.05	360	100	peak
2	48.5016	22.09	-8.22	13.87	40.00	-26.13	112	100	peak
3	66.7325	25.34	-11.77	13.57	40.00	-26.43	180	100	peak
4	116.1321	23.54	-11.33	12.21	43.50	-31.29	270	100	peak
5	317.7011	24.18	-4.74	19.44	46.00	-26.56	198	100	peak
6	768.7482	25.64	2.28	27.92	46.00	-18.08	47	100	peak

Test Specification: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	33.3279	27.07	-9.46	17.61	40.00	-22.39	267	100	peak
2	100.5806	24.77	-10.92	13.85	43.50	-29.65	116	100	peak
3	159.7844	24.05	-12.27	11.78	43.50	-31.72	360	100	peak
4	184.4898	25.07	-10.75	14.32	43.50	-29.18	228	100	peak
5	468.8762	21.08	-1.96	19.12	46.00	-26.88	270	100	peak
6	562.6624	27.69	-1.33	26.36	46.00	-19.64	65	100	peak

Spurious Emissions Above 1GHz

Test Mode: 802.11b

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2412MHz							
4824.000	55.33	-3.87	51.46	74	-22.54	H	PK
4824.000	40.08	-3.87	36.21	54	-17.79	H	AV
7236.000	47.54	1.14	48.68	74	-25.32	H	PK
7236.000	36.22	1.19	37.41	54	-16.59	H	AV
4824.000	58.55	-3.86	54.69	74	-19.31	V	PK
4824.000	41.74	-3.86	37.88	54	-16.12	V	AV
7236.000	50.35	1.1	51.45	74	-22.55	V	PK
7236.000	38.68	1.1	39.78	54	-14.22	V	AV
Middle Channel-2437MHz							
4874.000	56.01	-3.74	52.27	74	-21.73	H	PK
4874.000	41.26	-3.74	37.52	54	-16.48	H	AV
7311.000	49.04	1.47	50.51	74	-23.49	H	PK
7311.000	34.37	1.47	35.84	54	-18.16	H	AV
4874.000	55.24	-3.74	51.5	74	-22.5	V	PK
4874.000	42.16	-3.74	38.42	54	-15.58	V	AV
7311.000	49.25	1.47	50.72	74	-23.28	V	PK
7311.000	35.35	1.47	36.82	54	-17.18	V	AV
High Channel-2462MHz							
4924.000	57.13	-3.59	53.54	74	-20.46	H	PK
4924.000	43.07	-3.59	39.48	54	-14.52	H	AV
7386.000	47.69	1.79	49.48	74	-24.52	H	PK
7386.000	36.14	1.79	37.93	54	-16.07	H	AV
4924.000	56.25	-3.59	52.66	74	-21.34	V	PK
4924.000	43.35	-3.59	39.76	54	-14.24	V	AV
7386.000	49.3	1.79	51.09	74	-22.91	V	PK
7386.000	36.49	1.79	38.28	54	-15.72	V	AV

Test Mode: 802.11g

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2412MHz							
4824.000	56.74	-3.86	52.88	74	-21.12	H	PK
4824.000	43.47	-3.86	39.61	54	-14.39	H	AV
7236.000	49.66	1.1	50.76	74	-23.24	H	PK
7236.000	35.64	1.1	36.74	54	-17.26	H	AV
4824.000	57.23	-3.86	53.37	74	-20.63	V	PK
4824.000	43.89	-3.86	40.03	54	-13.97	V	AV
7236.000	50.46	1.1	51.56	74	-22.44	V	PK
7236.000	36.78	1.1	37.88	54	-16.12	V	AV
Middle Channel-2437MHz							
4874.000	56.37	-3.74	52.63	74	-21.37	H	PK
4874.000	44.55	-3.74	40.81	54	-13.19	H	AV
7311.000	48.65	1.47	50.12	74	-23.88	H	PK
7311.000	36.54	1.47	38.01	54	-15.99	H	AV
4874.000	58.34	-3.74	54.6	74	-19.4	V	PK
4874.000	45.13	-3.74	41.39	54	-12.61	V	AV
7311.000	49.67	1.47	51.14	74	-22.86	V	PK
7311.000	36.6	1.47	38.07	54	-15.93	V	AV
High Channel-2462MHz							
4924.000	55.31	-3.59	51.72	74	-22.28	H	PK
4924.000	42.06	-3.59	38.47	54	-15.53	H	AV
7386.000	48.49	1.79	50.28	74	-23.72	H	PK
7386.000	36.04	1.79	37.83	54	-16.17	H	AV
4924.000	57.42	-3.59	53.83	74	-20.17	V	PK
4924.000	44	-3.59	40.41	54	-13.59	V	AV
7386.000	49.89	1.79	51.68	74	-22.32	V	PK
7386.000	37.26	1.79	39.05	54	-14.95	V	AV

Test Mode: 802.11n-HT20

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2412MHz							
4824.000	56.84	-3.86	52.98	74	-21.02	H	PK
4824.000	41.78	-3.86	37.92	54	-16.08	H	AV
7236.000	48.50	1.1	49.60	74	-24.40	H	PK
7236.000	35.68	1.1	36.78	54	-17.22	H	AV
4824.000	57.95	-3.86	54.09	74	-19.91	V	PK
4824.000	44.42	-3.86	40.56	54	-13.44	V	AV
7236.000	50.45	1.1	51.55	74	-22.45	V	PK
7236.000	37.01	1.1	38.11	54	-15.89	V	AV
Middle Channel-2437MHz							
4874.000	55.43	-3.74	51.69	74	-22.31	H	PK
4874.000	43.75	-3.74	40.01	54	-13.99	H	AV
7311.000	50.01	1.47	51.48	74	-22.52	H	PK
7311.000	34.37	1.47	35.84	54	-18.16	H	AV
4874.000	56.19	-3.74	52.45	74	-21.55	V	PK
4874.000	43.89	-3.74	40.15	54	-13.85	V	AV
7311.000	49.76	1.47	51.23	74	-22.77	V	PK
7311.000	36.47	1.47	37.94	54	-16.06	V	AV
High Channel-2462MHz							
4924.000	55.21	-3.59	51.62	74	-22.38	H	PK
4924.000	44.54	-3.59	40.95	54	-13.05	H	AV
7386.000	49.62	1.79	51.41	74	-22.59	H	PK
7386.000	37.41	1.79	39.2	54	-14.8	H	AV
4924.000	57.01	-3.59	53.42	74	-20.58	V	PK
4924.000	42.79	-3.59	39.2	54	-14.8	V	AV
7386.000	49.86	1.79	51.65	74	-22.35	V	PK
7386.000	36.67	1.79	38.46	54	-15.54	V	AV

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

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.

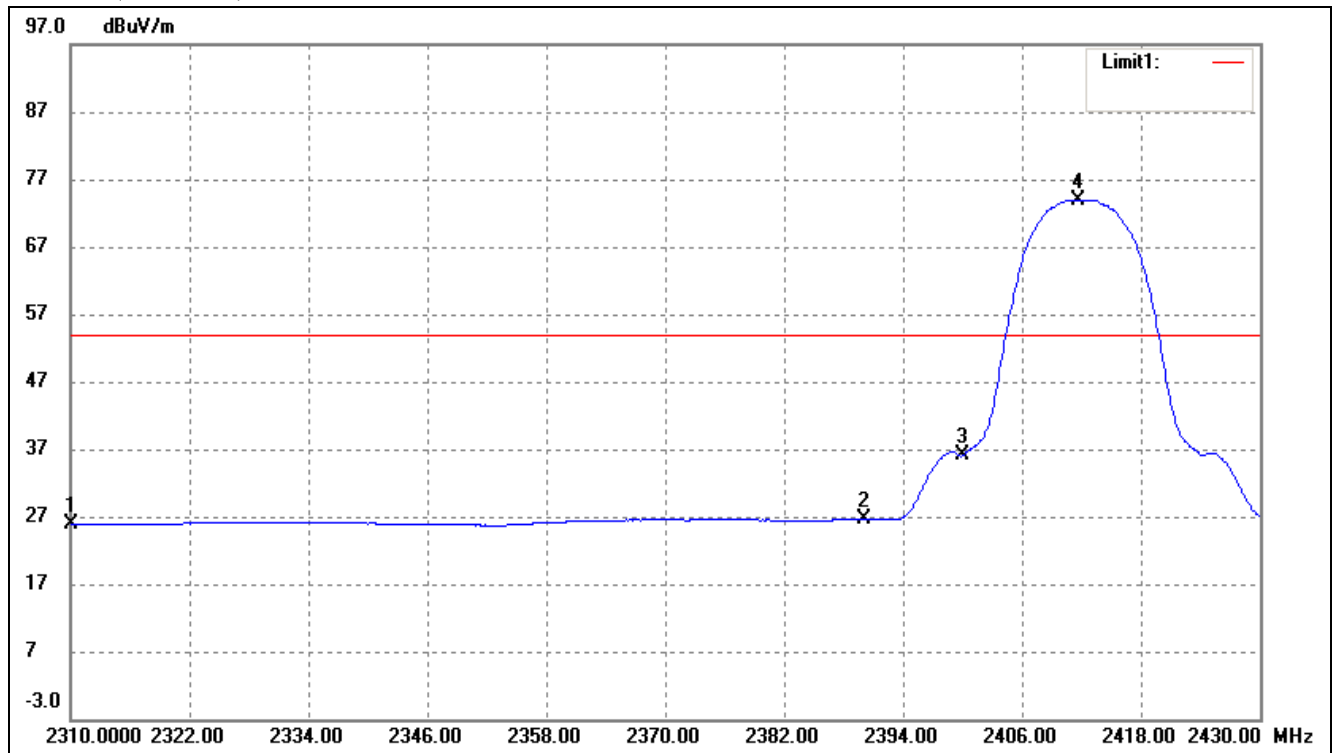
9.3 Environmental Conditions

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

9.4 Summary of Test Results/Plots

802.11b-Lowest Bandedge

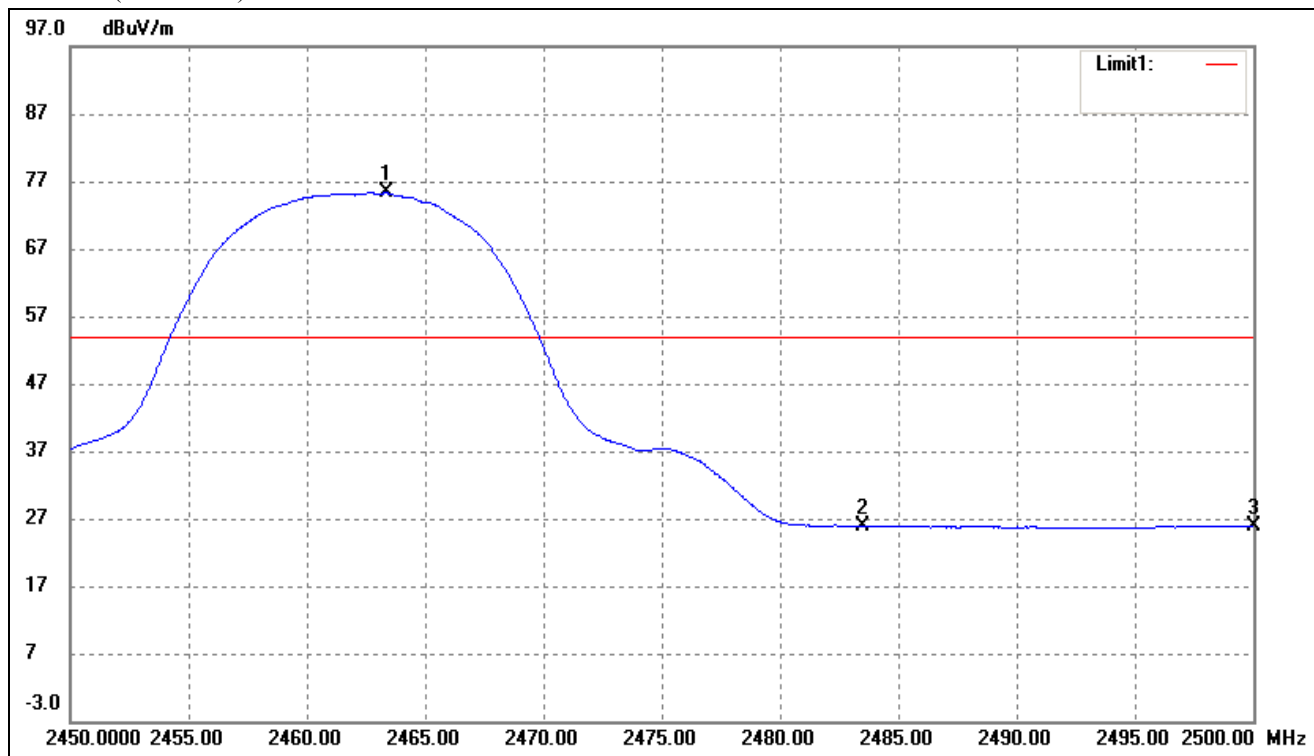
Vertical (Worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	29.58	-3.71	25.87	54.00	-28.13	Average Detector
	2310.000	45.30	-3.71	41.59	74.00	-32.41	Peak Detector
2	2390.000	30.17	-3.54	26.63	54.00	-27.37	Average Detector
	2390.000	45.59	-3.54	42.05	74.00	-31.95	Peak Detector
3	2400.000	39.56	-3.51	36.05	Delta =37.92dBc		Average Detector
4	2411.640	77.45	-3.48	73.97			Average Detector

802.11b-Highest Bandedge

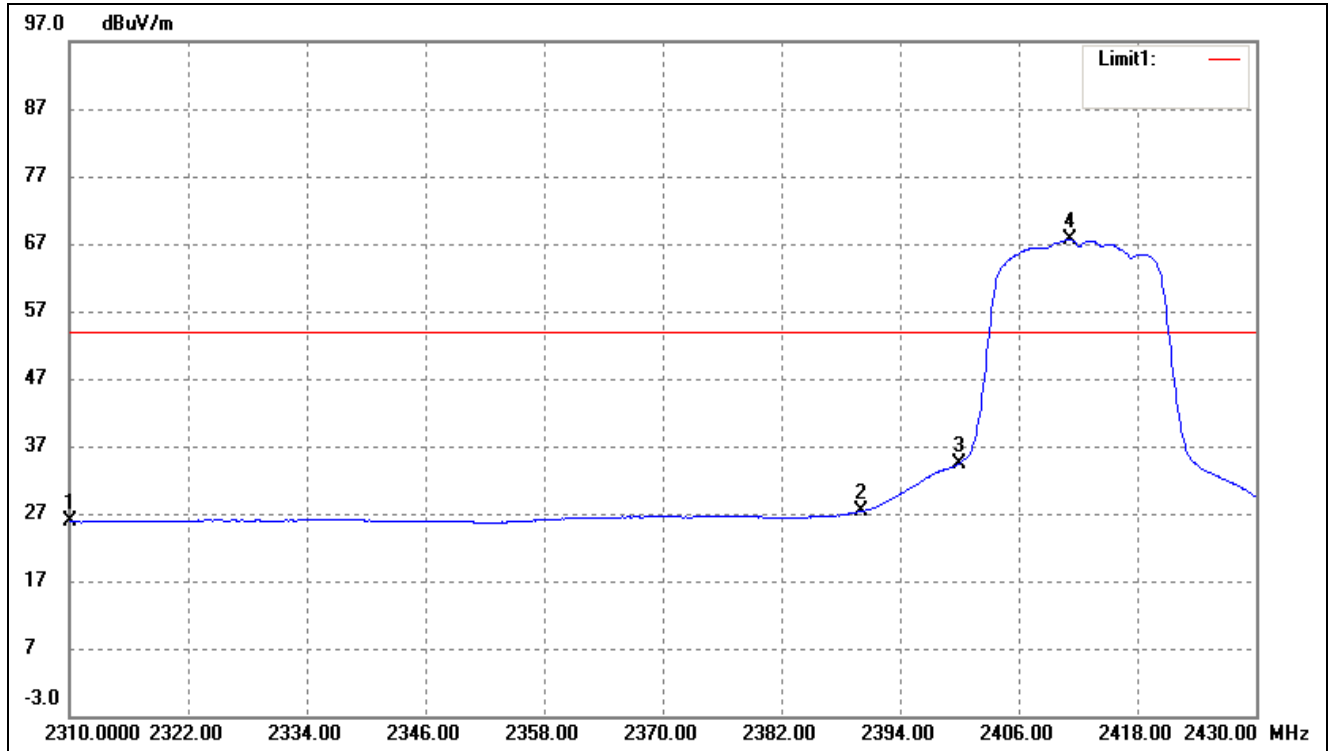
Vertical (Worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.350	78.63	-3.36	75.27	/	/	Average Detector
	2463.300	86.31	-3.36	82.95	/	/	Peak Detector
2	2483.500	Delta = 47.17dBc		28.10	54.00	-25.90	Average Detector
	2483.500			35.78	74.00	-38.22	Peak Detector
3	2500.000	29.24	-3.28	25.96	54.00	-28.04	Average Detector
	2500.000	42.58	-3.28	39.30	74.00	-34.70	Peak Detector

802.11g-Lowest Bandedge

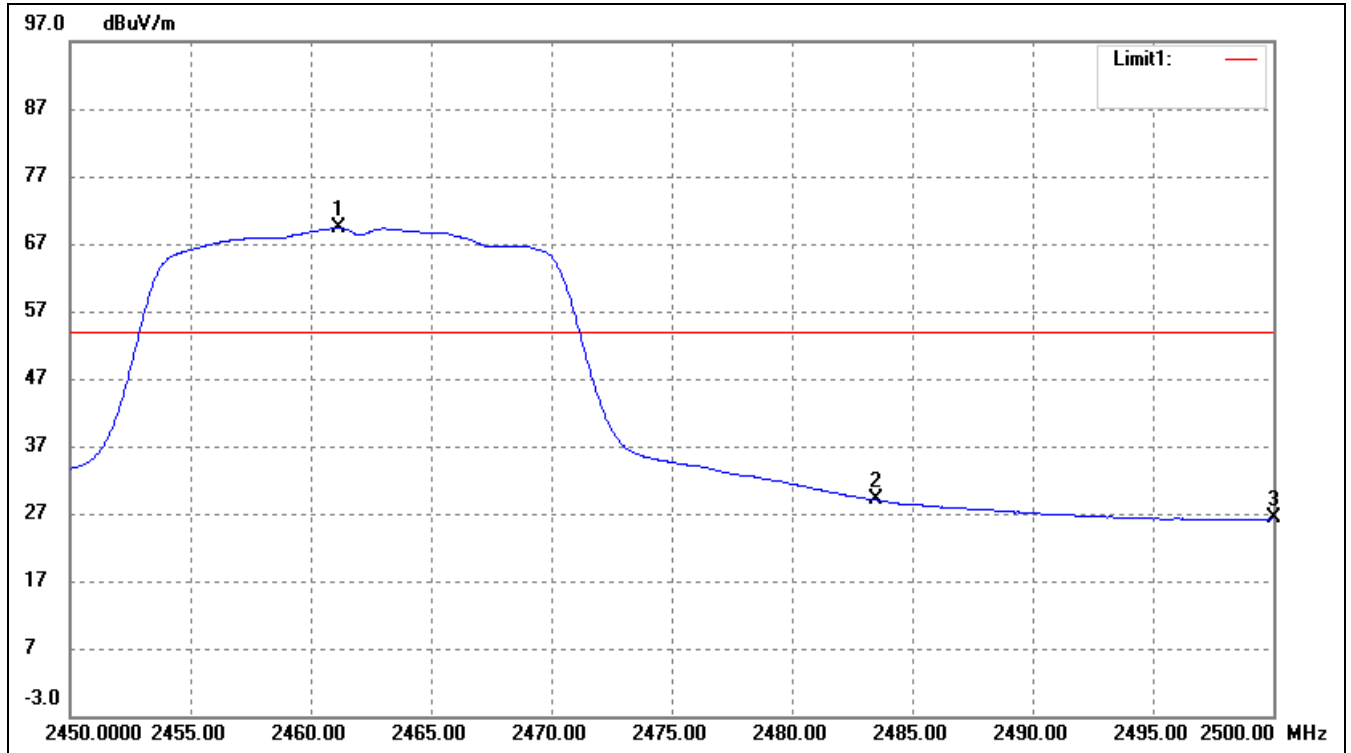
Vertical (Worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	29.54	-3.71	25.83	54.00	-28.17	Average Detector
	2310.000	41.38	-3.71	37.67	74.00	-36.33	Peak Detector
2	2390.000	30.89	-3.54	27.35	54.00	-26.65	Average Detector
	2390.000	44.06	-3.54	40.52	74.00	-33.48	Peak Detector
3	2400.000	37.98	-3.51	34.47	Delta =33.22dBc		Average Detector
4	2411.160	71.17	-3.48	67.69			Average Detector

802.11g-Highest Bandedge

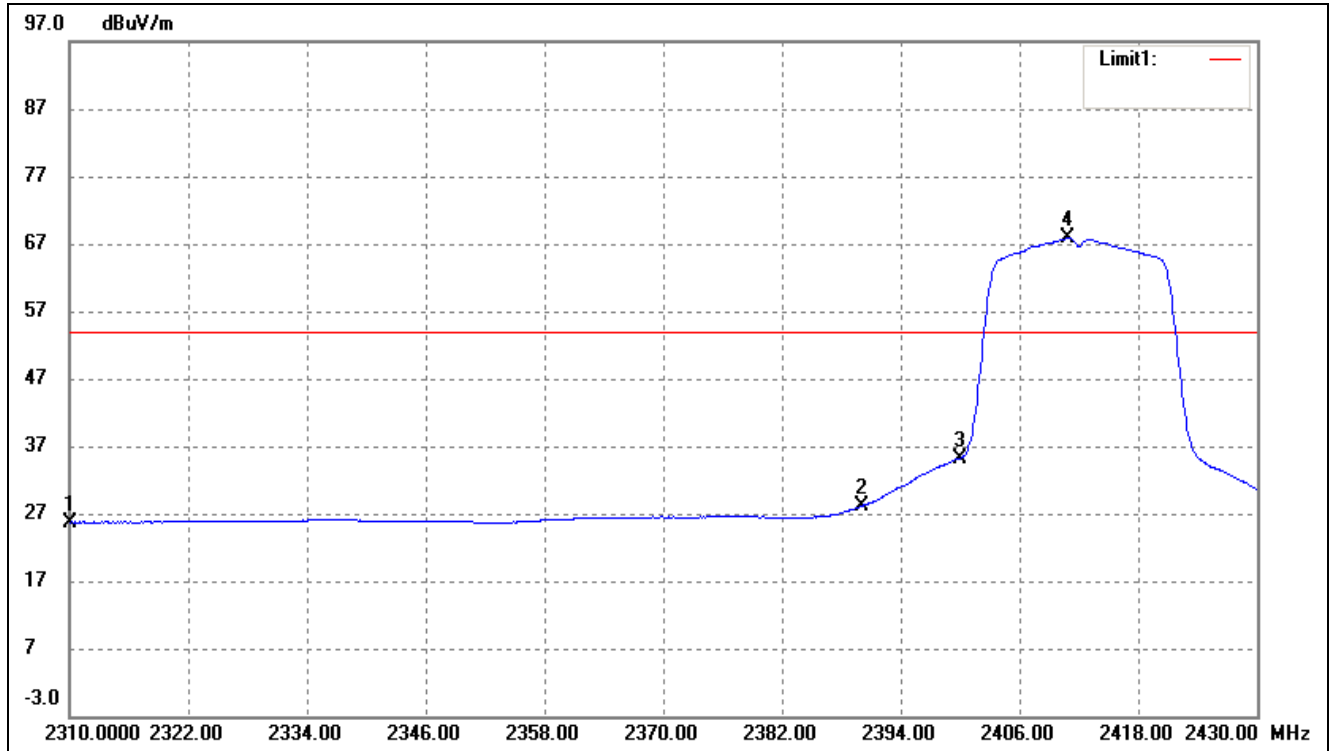
Vertical (Worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.150	72.71	-3.37	69.34	/	/	Average Detector
	2463.500	84.21	-3.36	80.85	/	/	Peak Detector
2	2483.500	Delta = 40.19dBc		29.15	54.00	-24.85	Average Detector
	2483.500			40.66	74.00	-33.34	Peak Detector
3	2500.000	29.54	-3.28	26.26	54.00	-27.74	Average Detector
	2500.000	41.49	-3.28	38.21	74.00	-35.79	Peak Detector

802.11n-HT20-Lowest Bandedge

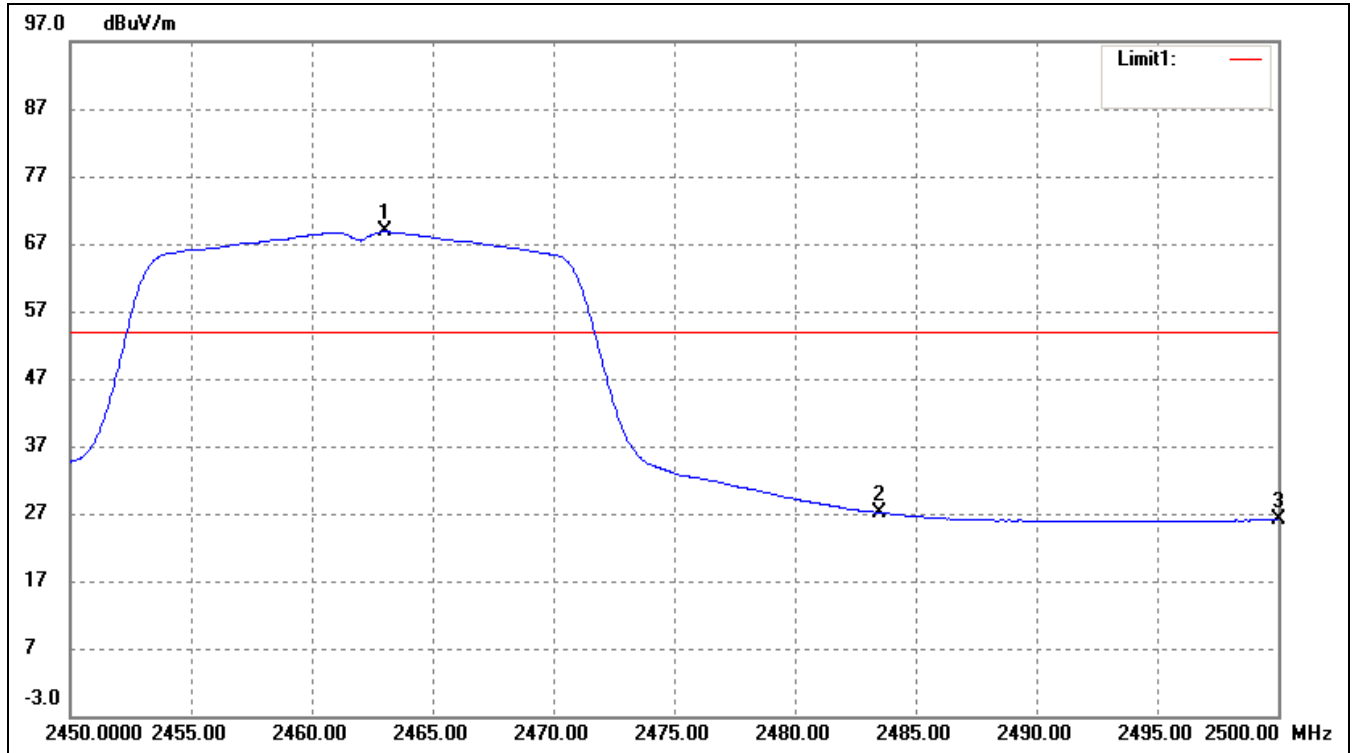
Vertical (Worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	29.43	-3.71	25.72	54.00	-28.28	Average Detector
	2310.000	41.34	-3.71	37.63	74.00	-36.37	Peak Detector
2	2390.000	31.66	-3.54	28.12	54.00	-25.88	Average Detector
	2390.000	45.87	-3.54	42.33	74.00	-31.67	Peak Detector
3	2400.000	38.74	-3.51	35.23	Delta =32.60dBc		Average Detector
4	2410.920	71.31	-3.48	67.83			Average Detector

802.11n-HT20-Highest Bandedge

Vertical (Worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.050	72.15	-3.36	68.79	/	/	Average Detector
	2461.350	83.67	-3.37	80.30	/	/	Peak Detector
2	2483.500	Delta = 44.24dBc		24.55	54.00	-29.45	Average Detector
	2483.500			36.06	74.00	-37.94	Peak Detector
3	2500.000	29.34	-3.28	26.06	54.00	-27.94	Average Detector
	2500.000	41.64	-3.28	38.36	74.00	-35.64	Peak Detector

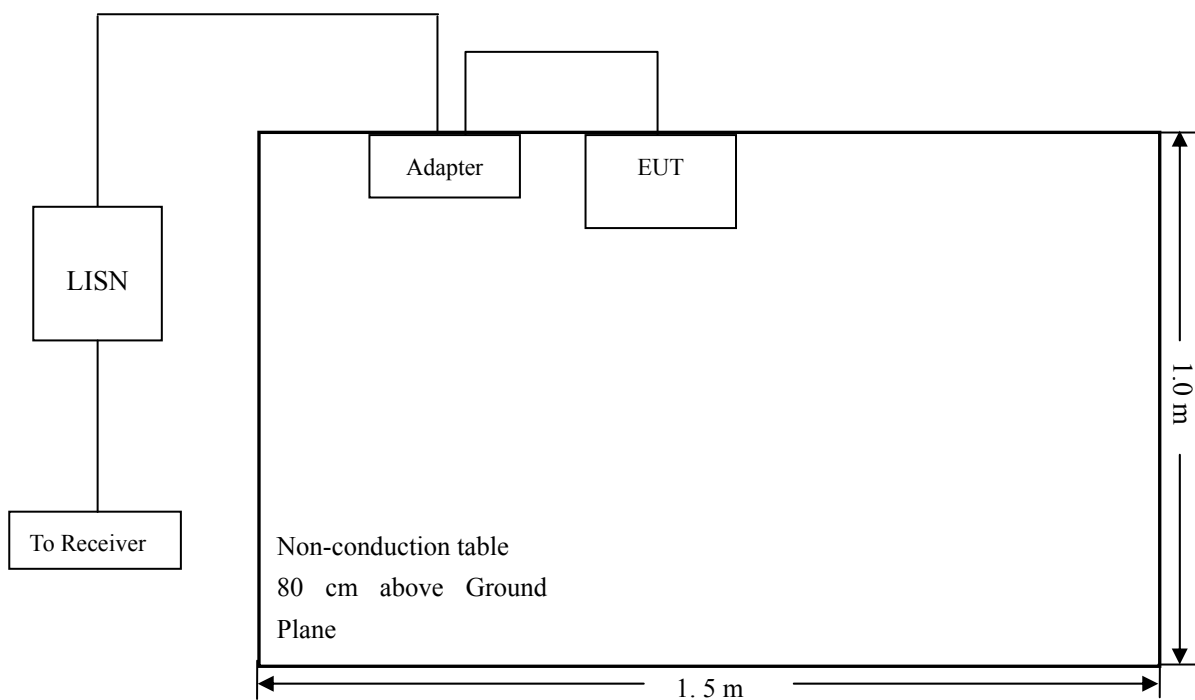
10. Conducted Emissions

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:

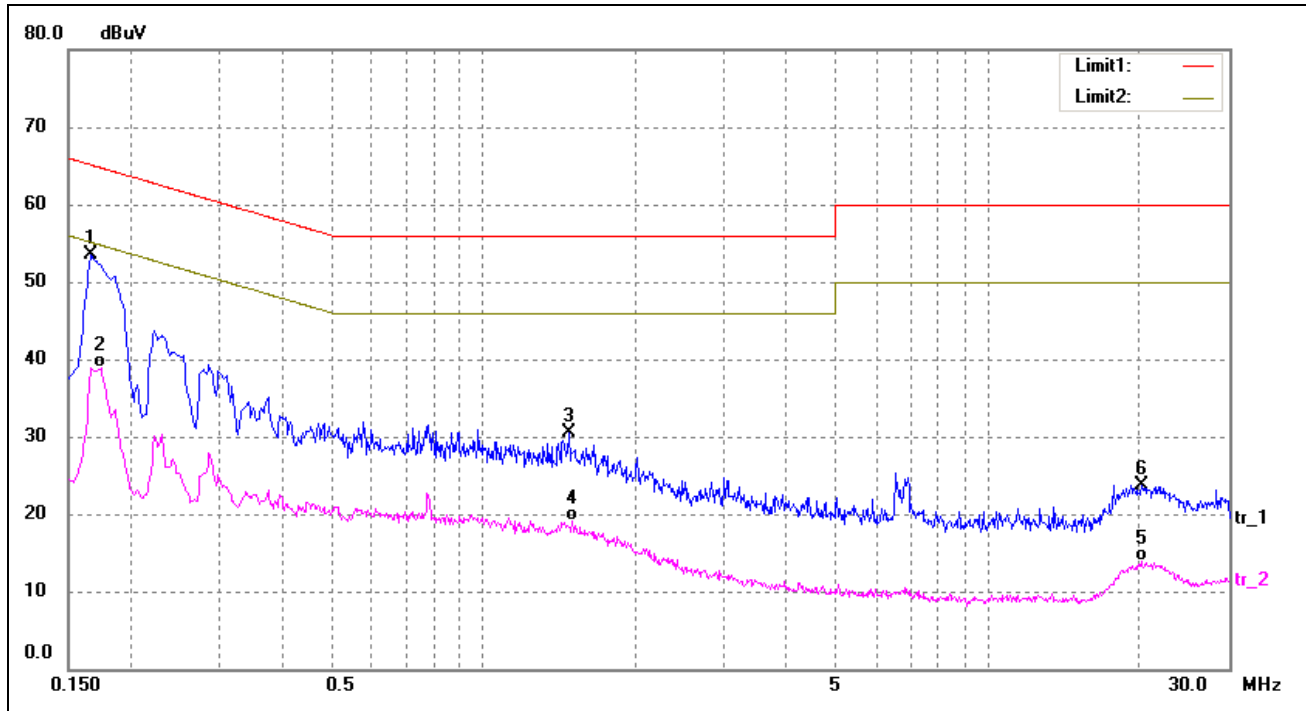
-11.71 dB at 0.1660 MHz in the Neutral mode, Peak detector, 0.15-30MHz

10.6 Conducted Emissions Test Data

Plot of Conducted Emissions Test Data

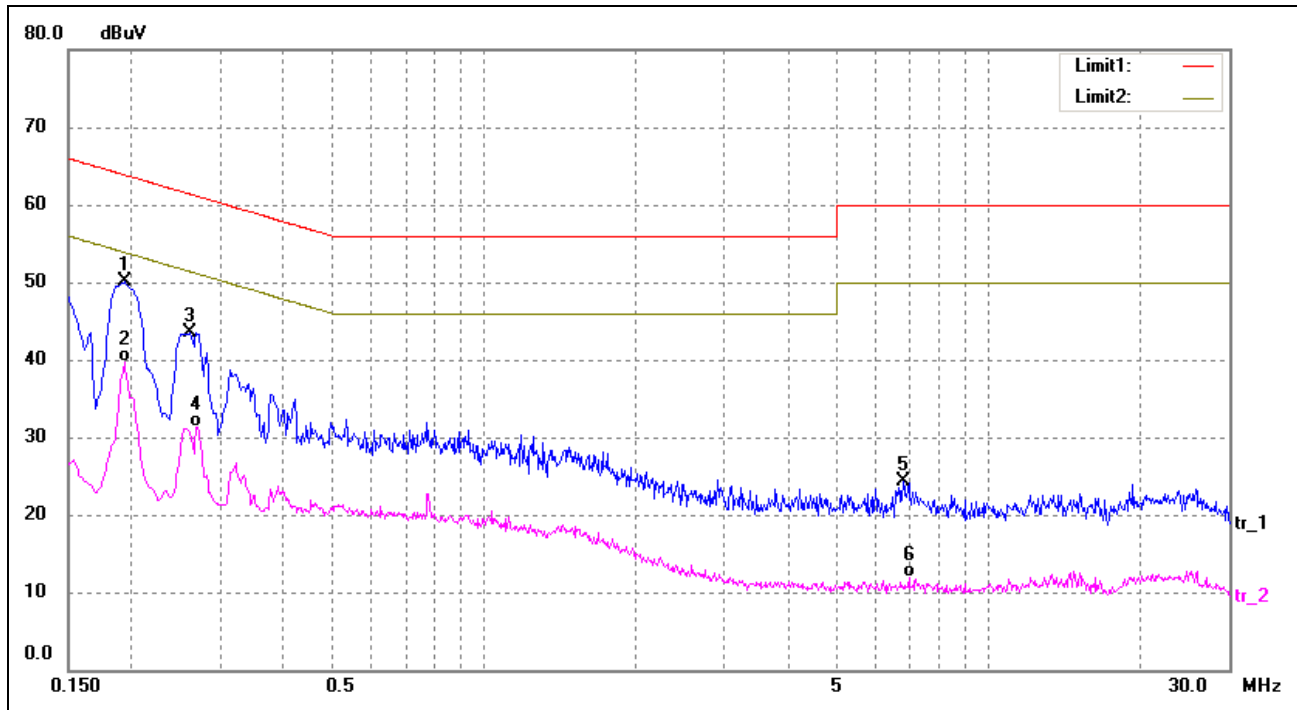
EUT: Tablet PC
Tested Model: Tbook 10
Operating Condition: Transmitting(Wi-Fi)
Comment: AC 120V/60Hz; Adapter DC 9V

Test Specification: Neutral



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1*	0.1660	43.95	9.50	53.45	65.16	-11.71	peak
2	0.1740	29.35	9.50	38.85	54.77	-15.92	AVG
3	1.4780	20.69	9.75	30.44	56.00	-25.56	peak
4	1.4980	9.39	9.75	19.14	46.00	-26.86	AVG
5	20.1540	3.35	10.46	13.81	50.00	-36.19	AVG
6	20.2300	13.30	10.46	23.76	60.00	-36.24	peak

Test Specification: Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1940	40.54	9.50	50.04	63.86	-13.82	peak
2	0.1940	30.15	9.50	39.65	53.86	-14.21	AVG
3	0.2620	34.02	9.50	43.52	61.37	-17.85	peak
4	0.2700	21.79	9.50	31.29	51.12	-19.83	AVG
5	6.8020	13.99	10.28	24.27	60.00	-35.73	peak
6	6.9540	1.56	10.29	11.85	50.00	-38.15	AVG

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