FCC Part 15C
Measurement and Test Report

For

Sky Phone LLC

1348 Washington Av.Suite 350 Miami Beach, FL 33139

FCC ID: 2ABOSSKYELITE60

FCC Rule(s):	FCC Part 15C
Product Description:	Smart phone
Tested Model:	Elite 6.0L
Report No.:	STR16028064I-2
Tested Date:	2016-02-27 to 2016-03-08
Issued Date:	2016-03-16
Tested By:	Lucy Wei / Engineer
Reviewed By:	Silin Chen / EMC Manager
Approved & Authorized By:	Jandy So / PSQ Manager

Prepared By:

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant:	Sky Phone LLC
Address of applicant:	1348 Washington Av.Suite 350 Miami Beach, FL 33139
Manufacturer:	Shenzhen Tablet Electronics Limited
Address of manufacturer:	2F, B5b Building, Yingzhan Industrial Zone, Longtian Community, Kengzi Street, Longgang, Shenzhen, China

General Description of EUT	
Product Name:	Smart phone
Brand Name:	SKY
Model No.:	Elite 6.0L
Adding Model No.:	LQ60
Adapter Model:	WTA0501000USA1
	INPUT:100-240V,50/60Hz,0.3A; OUTPUT: DC5V,1A
Hardware version:	WW816_MB_V0.5
Software version:	Sky_ Elite 6.0L _SW_VN_V06_20160128
Rated Voltage:	DC 3.8V Li-ion Battery
Battery:	2800mAh
Device Category:	Portable Device
The EUT Main board support GSM850/900/DCS1800/PCS1900, WCDMA Band 1/2/4/5, LTE Band 2/4/7/17 function. It is intended for speech, Multimedia Message Service (MMS) transmission. It is equipped with GPRS/EDGE class 12 for GSM850/900/DCS1800/PCS1900, GPS, FM, Bluetooth and Wi-Fi functions. For more information see the following datasheet	
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 Elite 6.0L, but the circuit and the electronic construction do not change, declared by the manufacturer.	

Technical Characteristics of EUT	
Support Standards:	802.11b, 802.11g, 802.11n
Frequency Range:	2412-2462MHz for 11b/g/n(HT20) 2422-2452MHz for 11n(HT40)
RF Output Power:	11.15dBm (Conducted)
Type of Modulation:	CCK, OFDM, QPSK, BPSK, 16QAM, 64QAM
Data Rate:	1-11Mbps, 6-54Mbps, up to 150Mbps
Quantity of Channels:	11/7
Channel Separation:	5MHz
Type of Antenna:	Integral Antenna
Antenna Gain:	1.6dBi
Lowest Internal frequency of EUT:	32.768kHz
highest Internal frequency of EUT:	1.3GHz

1.2 Test Standards

The following report is prepared on behalf of the Sky Phone LLC 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 v03r04 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
TM4	802.11n-HT40	2422MHz, 2437MHz, 2452MHz

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
USB Cable	0.8	Unshielded	Without Ferrite
Earphone	1.5	Unshielded	Without Ferrite

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	±0.42dB
Occupied Bandwidth	Conducted	±1.5%
Power Spectral Density	Conducted	±1.8dB
Conducted Emissions	Conducted	±2.88dB
Transmitter Spurious Emissions	Radiated	±5.1dB

1.7 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Cal Date	Due Date
Spectrum Analyzer	Agilent	E4407B	MY41440400	2015-06-17	2016-06-16
Spectrum Analyzer	Rohde & Schwarz	FSP	836079/035	2015-06-17	2016-06-16
EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2015-06-17	2016-06-16
Amplifier	Agilent	8447F	3113A06717	2015-06-17	2016-06-16
Amplifier	C&D	PAP-1G18	2002	2015-06-17	2016-06-16
Broadband Antenna	Schwarz beck	VULB9163	9163-333	2015-06-17	2016-06-16
Horn Antenna	ETS	3117	00086197	2015-06-17	2016-06-16
Horn Antenna	ETS	3116B	00088203	2015-06-17	2016-06-16
Loop Antenna	Schwarz beck	FMZB 1516	9773	2015-06-17	2016-06-16
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2015-06-17	2016-06-16
L.I.S.N	Schwarz beck	NSLK8126	8126-224	2015-06-17	2016-06-16
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 bands 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 SAR 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 v03r04, 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 kHz ≤ RBW ≤ 100 kHz. .
d) Set VBW ≥3 x RBW.
e) Detector = power averaging (RMS) or sample detector (when RMS not available).
f) Ensure that the number of measurement points in the sweep ≥ 2 x 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

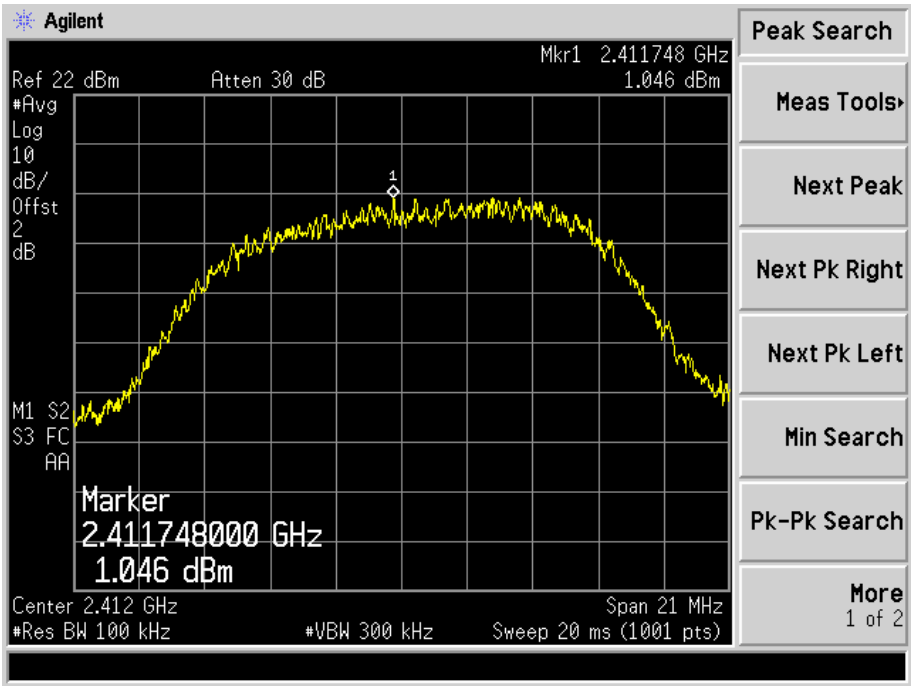
Temperature:	26° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

5.4 Summary of Test Results/Plots

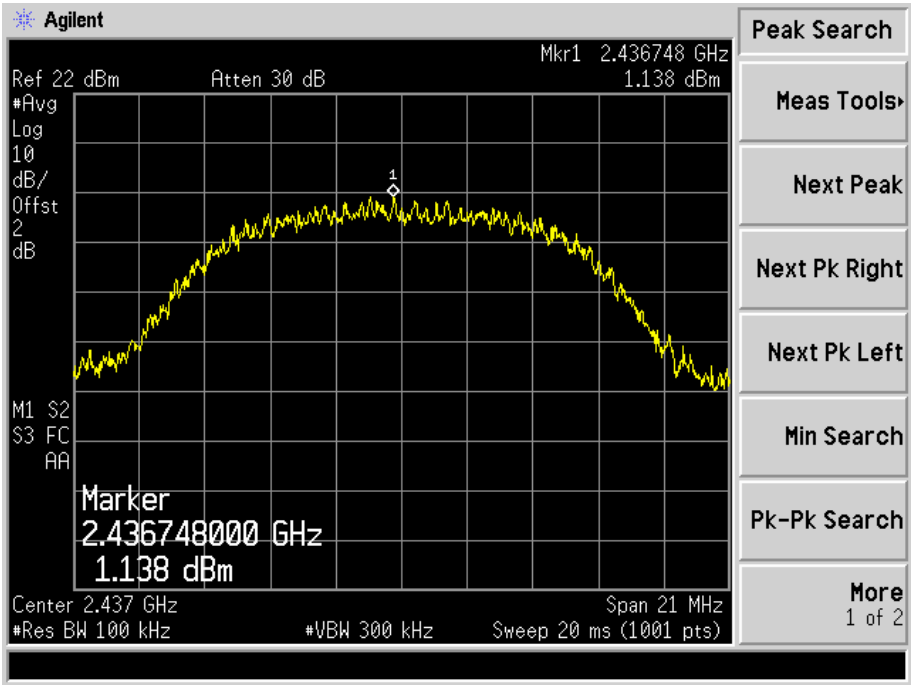
Test Mode	Test Channel MHz	Power Spectral Density dBm/100kHz	Limit dBm/3kHz
802.11b	2412	1.046	8
	2437	1.138	8
	2462	0.163	8
802.11g	2412	-1.369	8
	2437	-4.683	8
	2462	-3.091	8
802.11n HT20	2412	-1.881	8
	2437	-4.945	8
	2462	-2.229	8
802.11n HT40	2422	-2.703	8
	2437	-6.923	8
	2452	-3.994	8

Please refer to the following test plots:

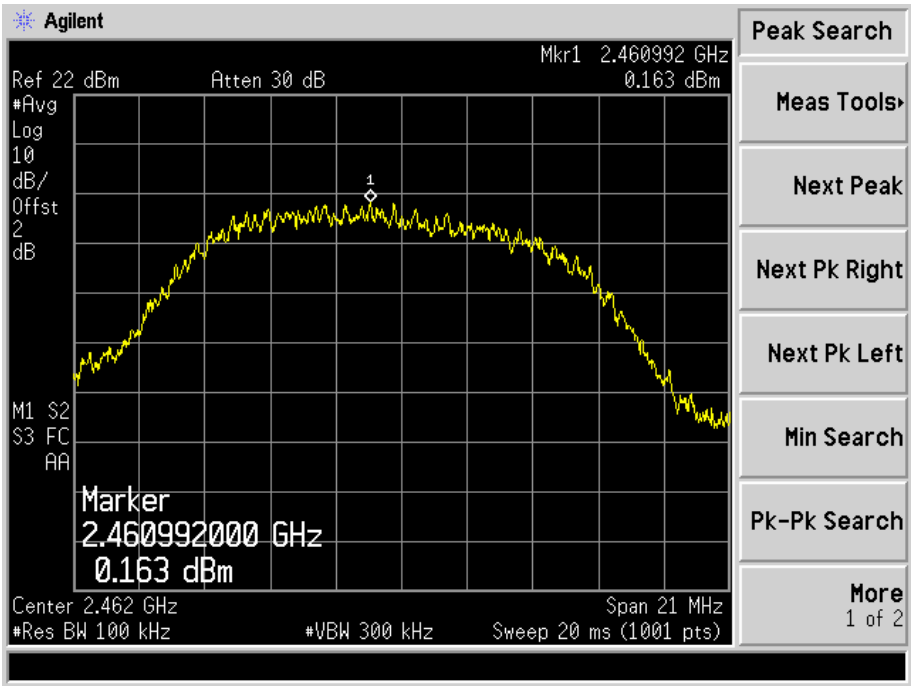
802.11b-Low Channel



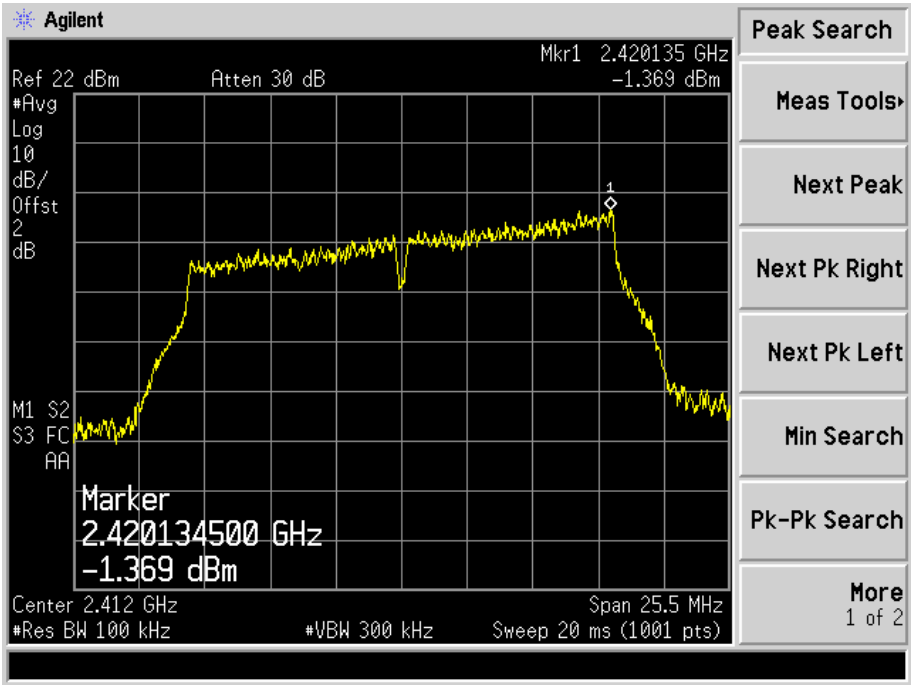
802.11b-Middle Channel



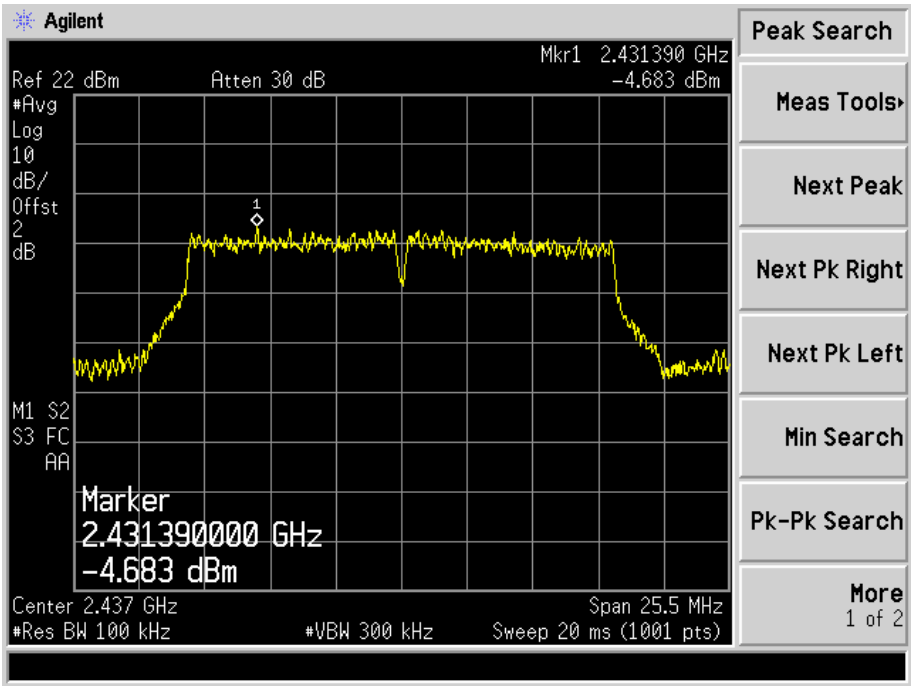
802.11b-High Channel



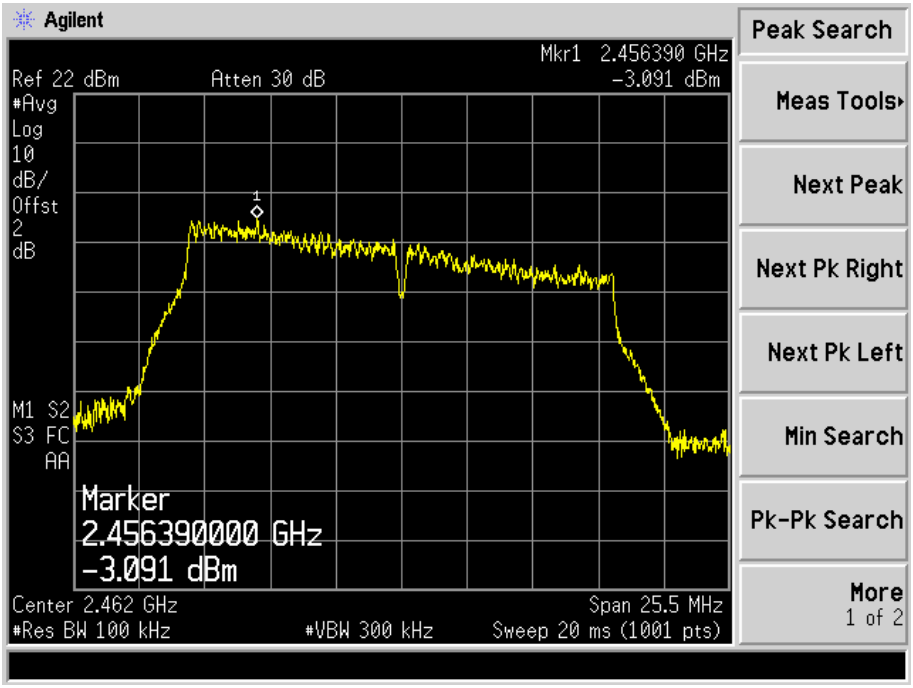
802.11g-Low Channel



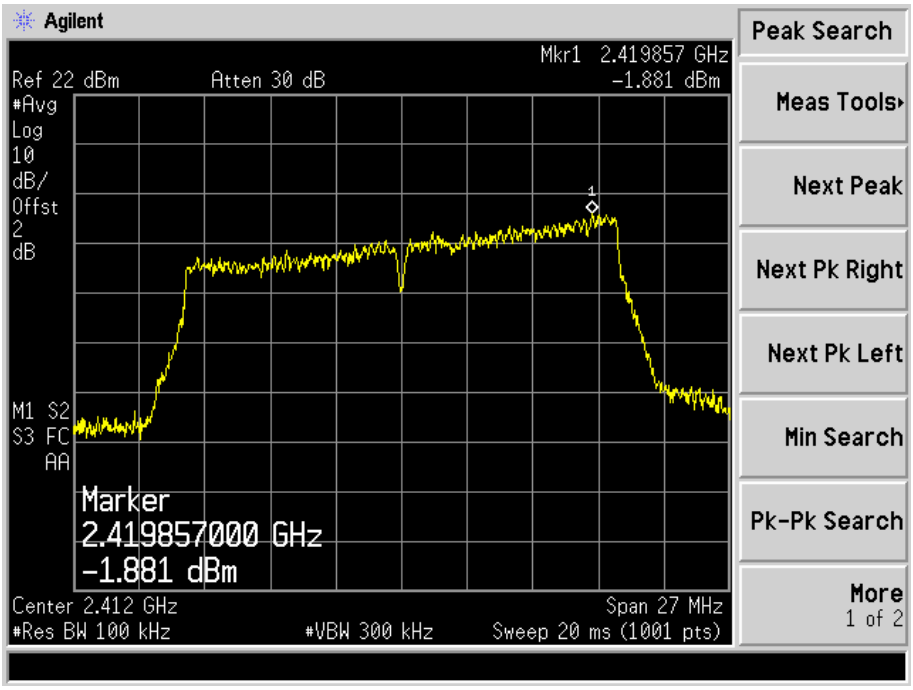
802.11g-Middle Channel



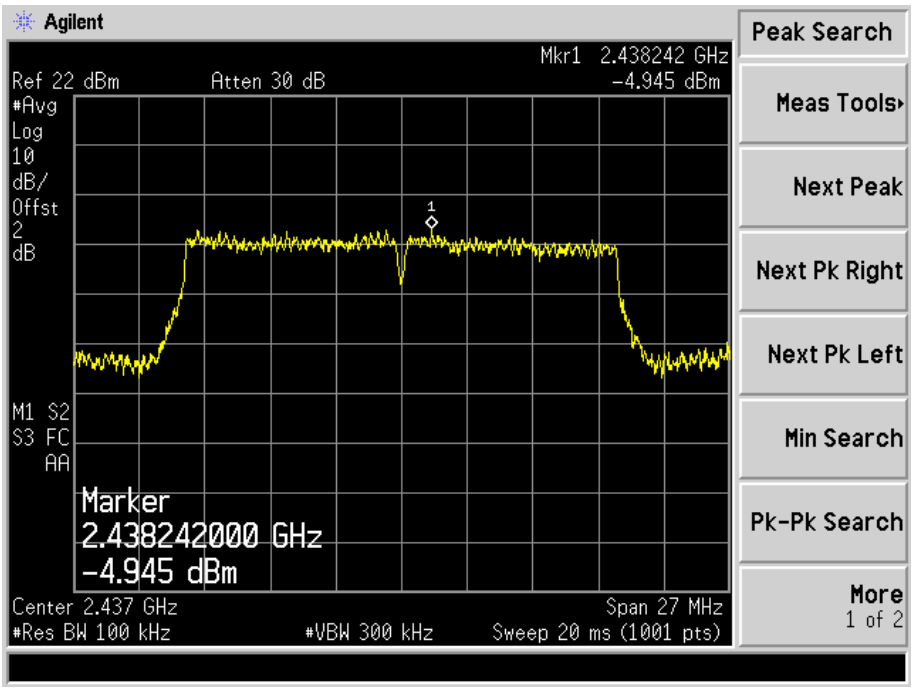
802.11g-High Channel



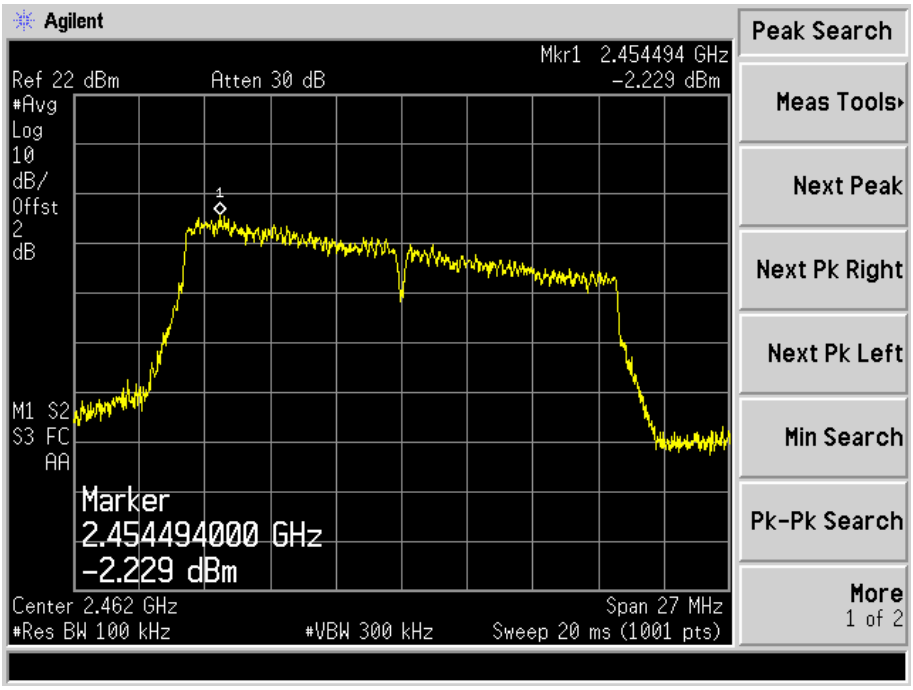
802.11n-HT20-Low Channel



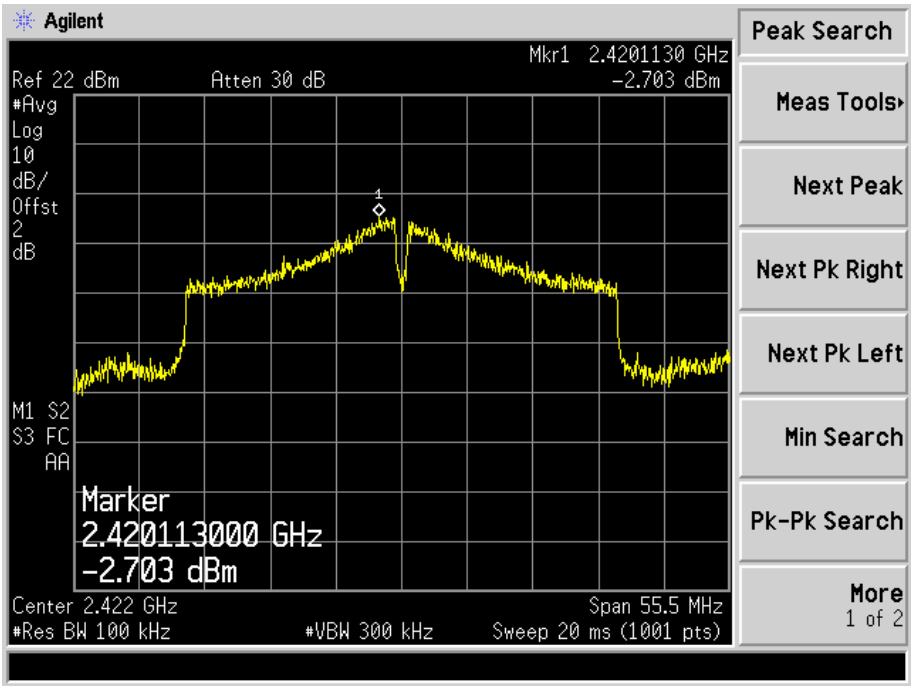
802.11n-HT20-Middle Channel



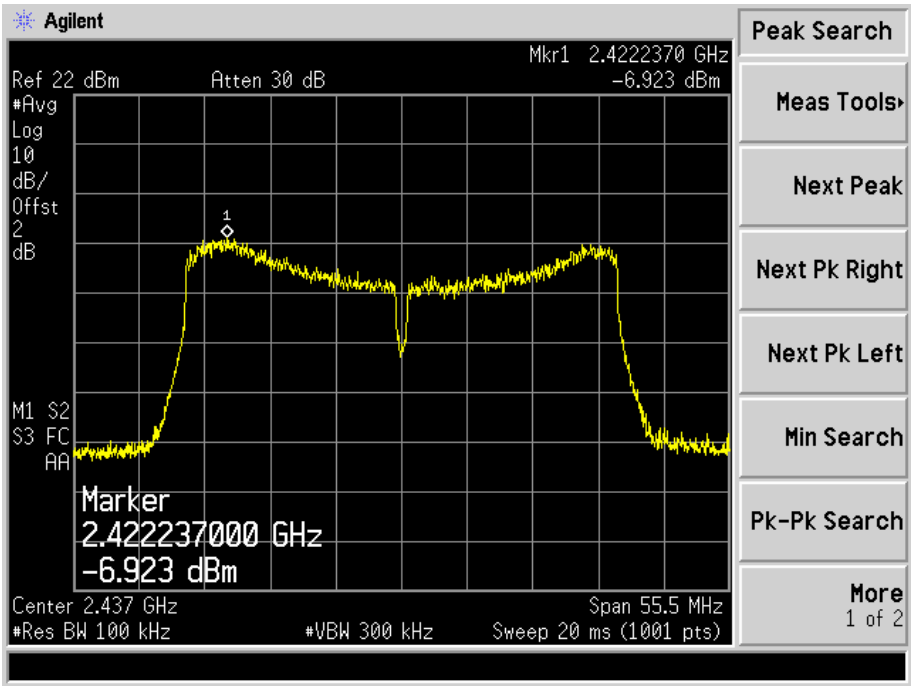
802.11n-HT20-High Channel



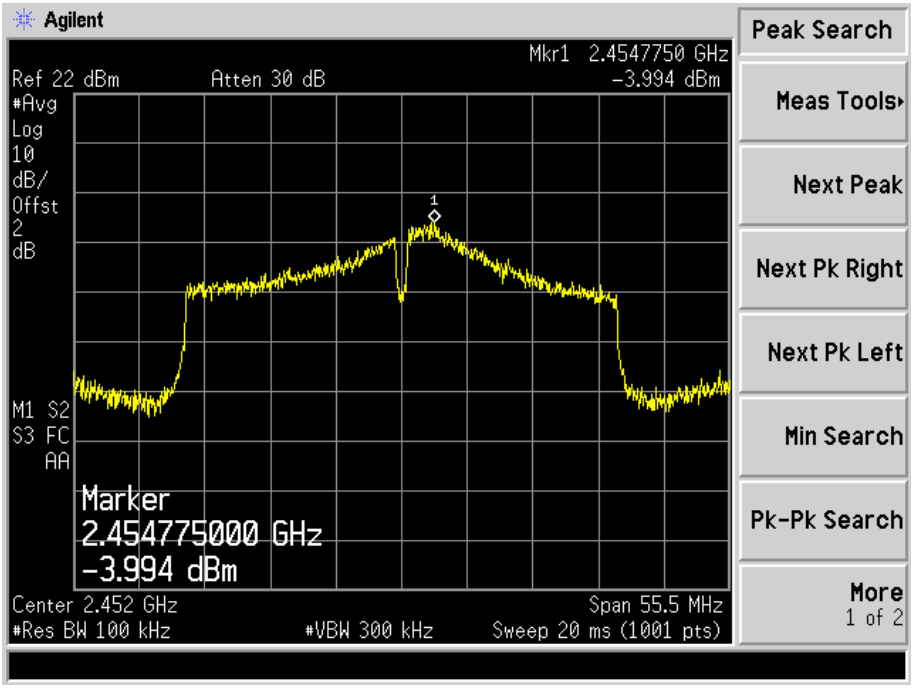
802.11n-HT40-Low Channel



802.11n-HT40-Middle Channel



802.11n-HT40-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) ≥ 3 × RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.3 Environmental Conditions

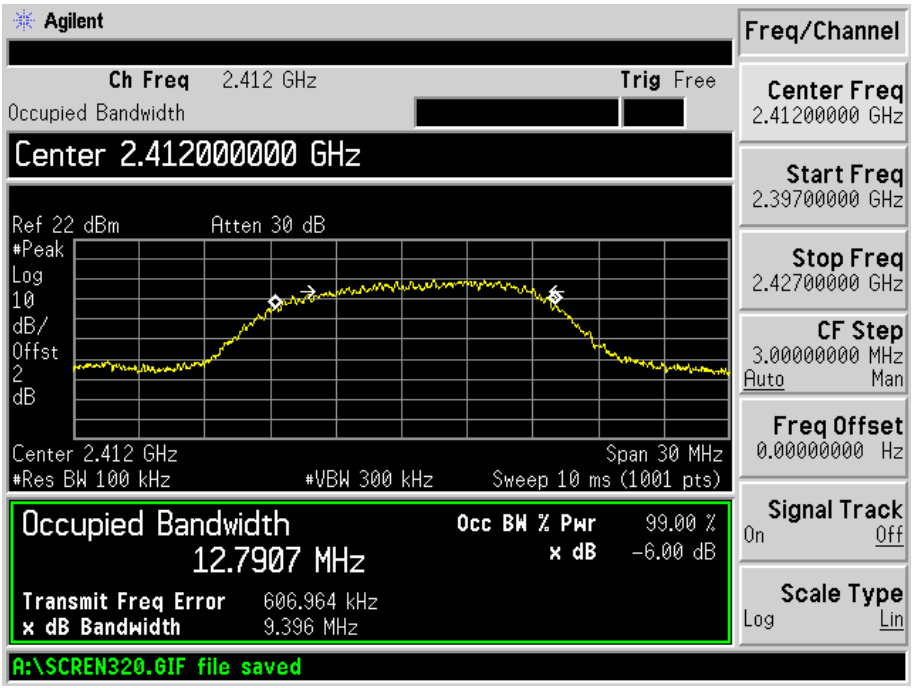
Temperature:	25° C
Relative Humidity:	53%
ATM Pressure:	1018 mbar

6.4 Summary of Test Results/Plots

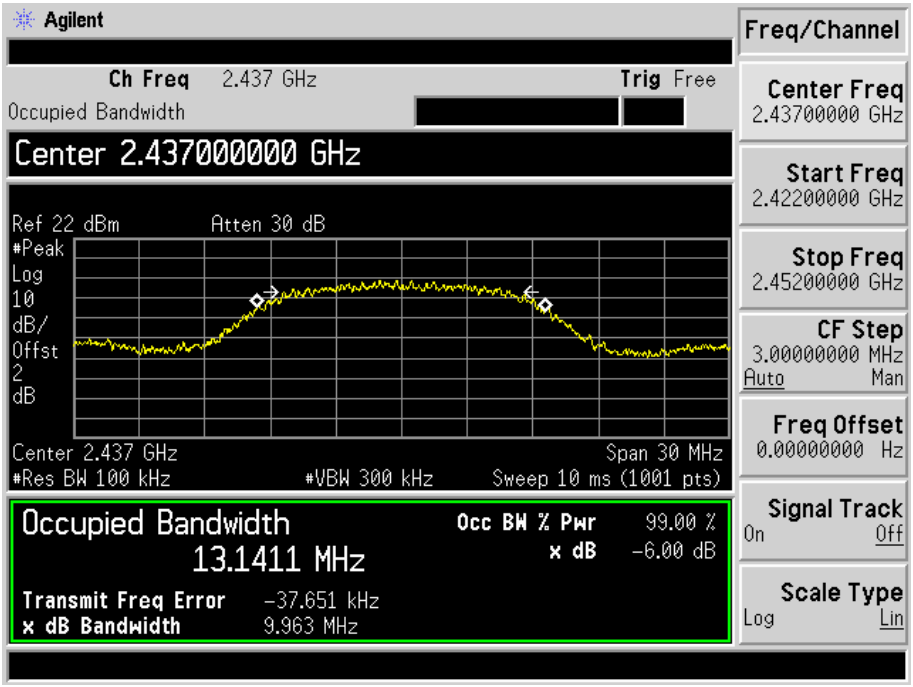
Test Mode	Test Channel MHz	6 dB Bandwidth MHz	99% Bandwidth MHz	Limit kHz
802.11b	2412	9.396	12.7907	≥500
	2437	9.963	13.1411	≥500
	2462	9.911	13.1246	≥500
802.11g	2412	9.538	16.5066	≥500
	2437	16.535	16.6295	≥500
	2462	9.227	16.5324	≥500
802.11n-HT20	2412	8.575	17.5945	≥500
	2437	17.770	17.7300	≥500
	2462	10.190	17.4231	≥500
802.11n-HT40	2422	12.143	35.3564	≥500
	2437	36.399	36.2495	≥500
	2452	10.133	35.0276	≥500

Please refer to the following test plots:

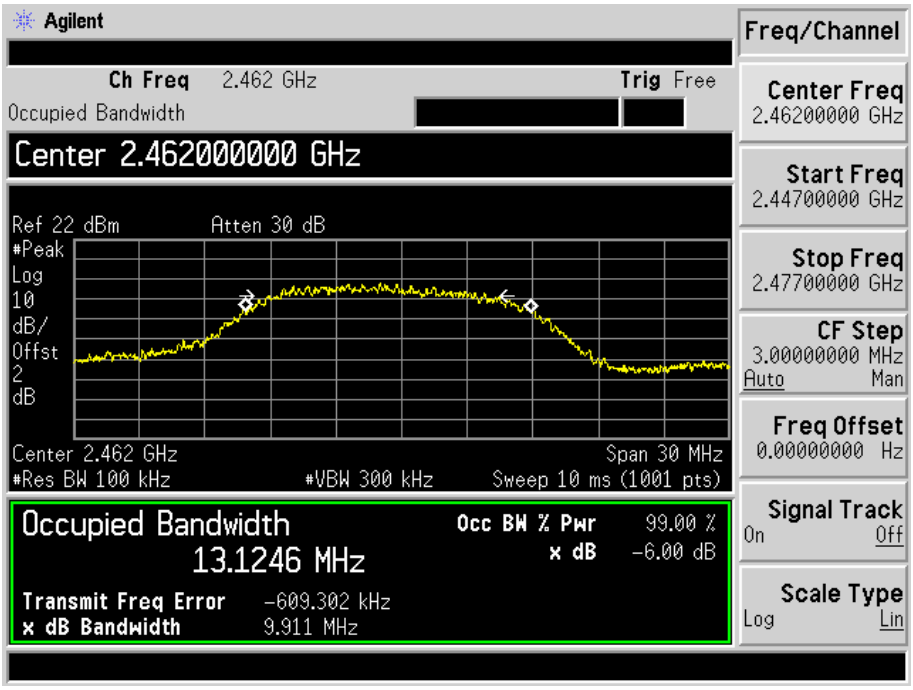
802.11b-Low Channel



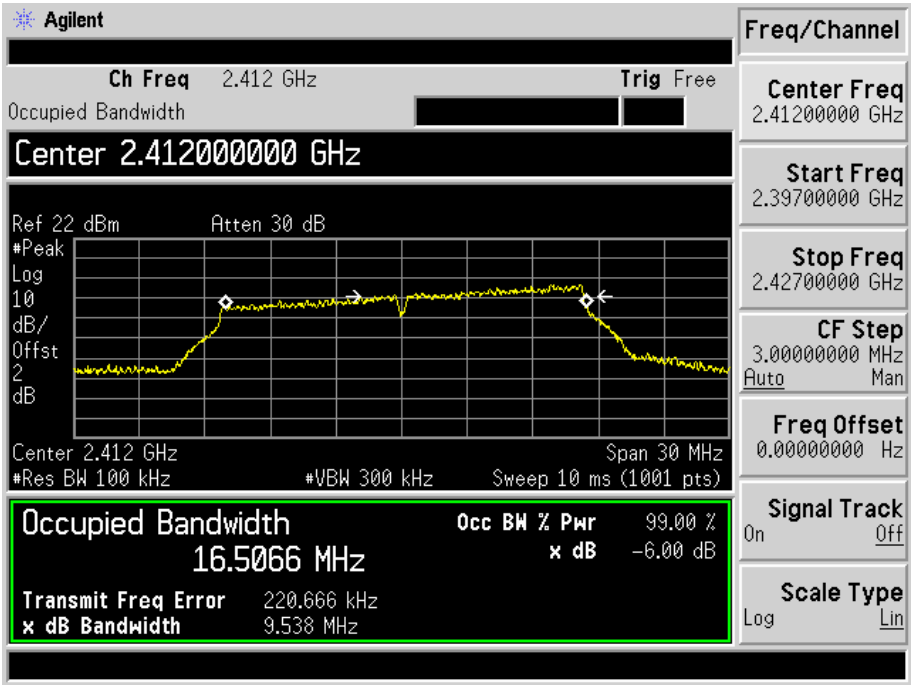
802.11b-Middle Channel



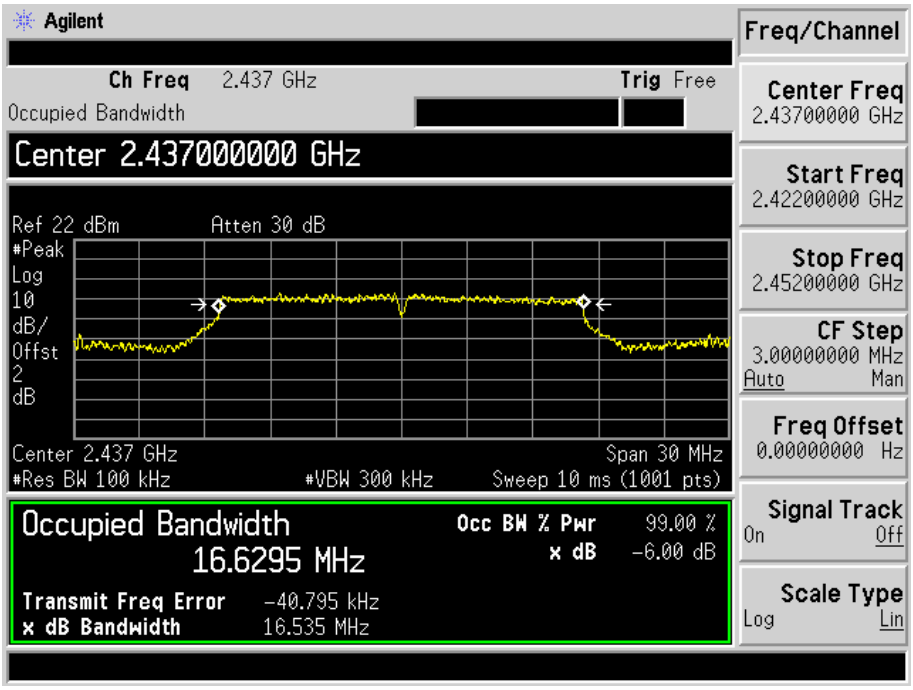
802.11b-High Channel



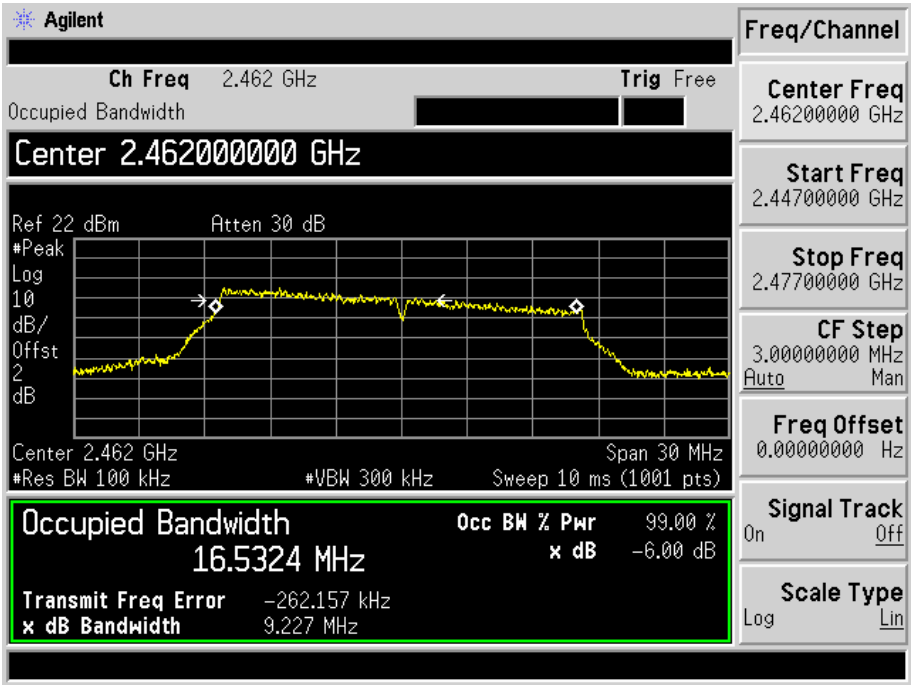
802.11g-Low Channel



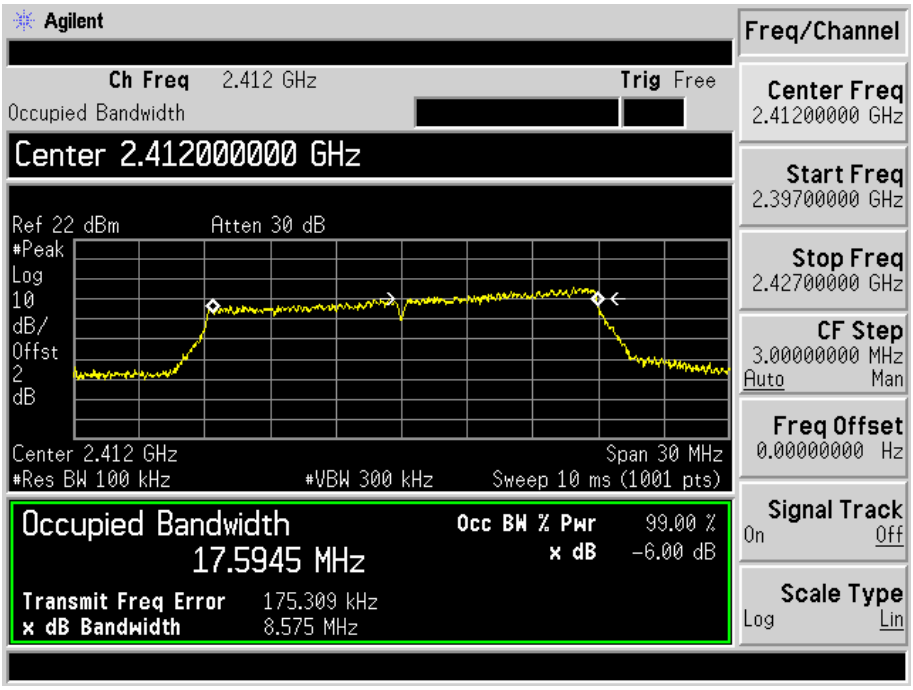
802.11g-Middle Channel



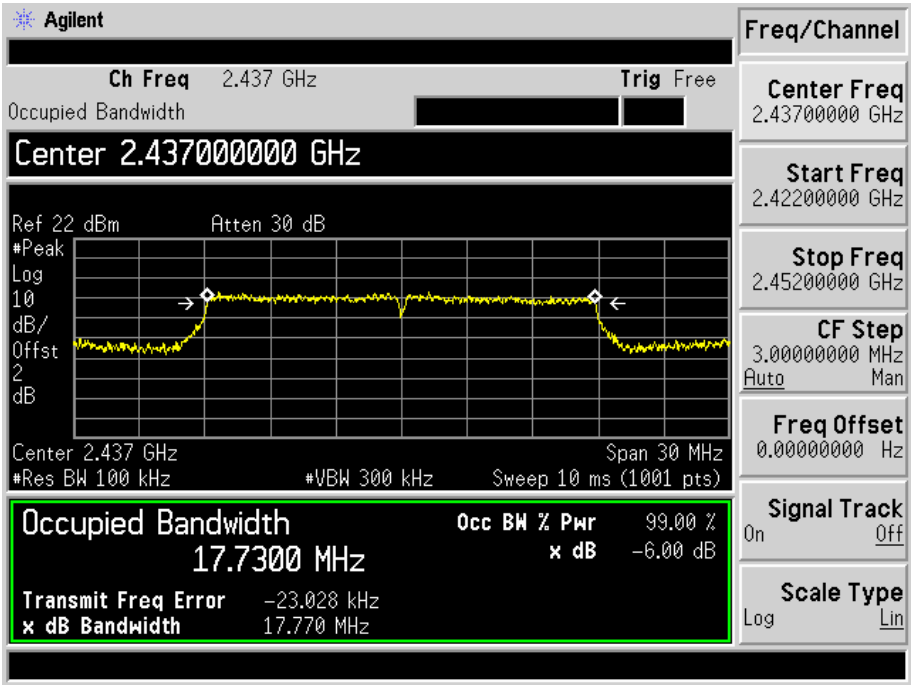
802.11g-High Channel



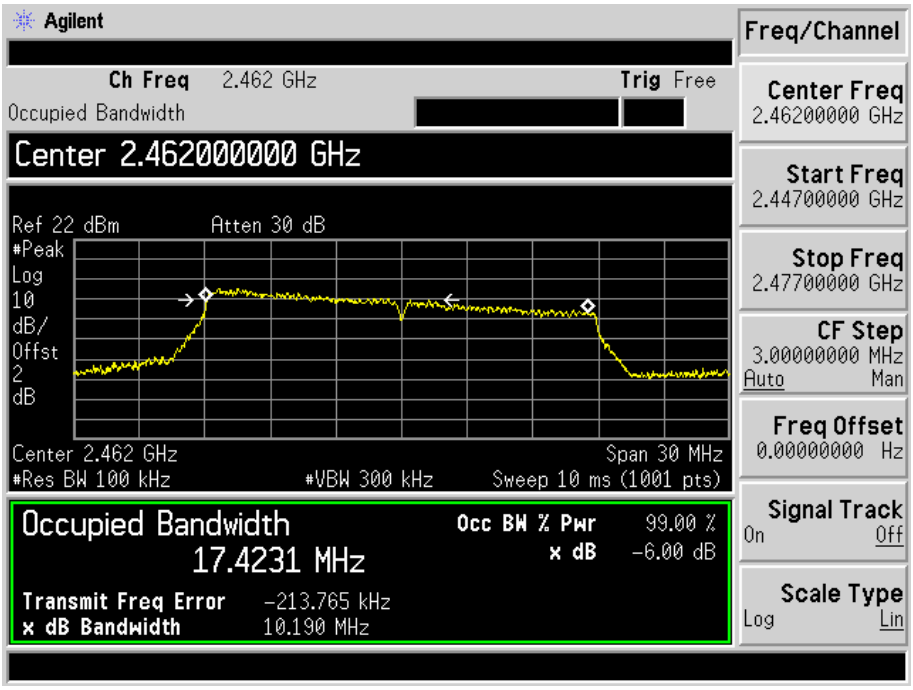
802.11n-HT20-Low Channel



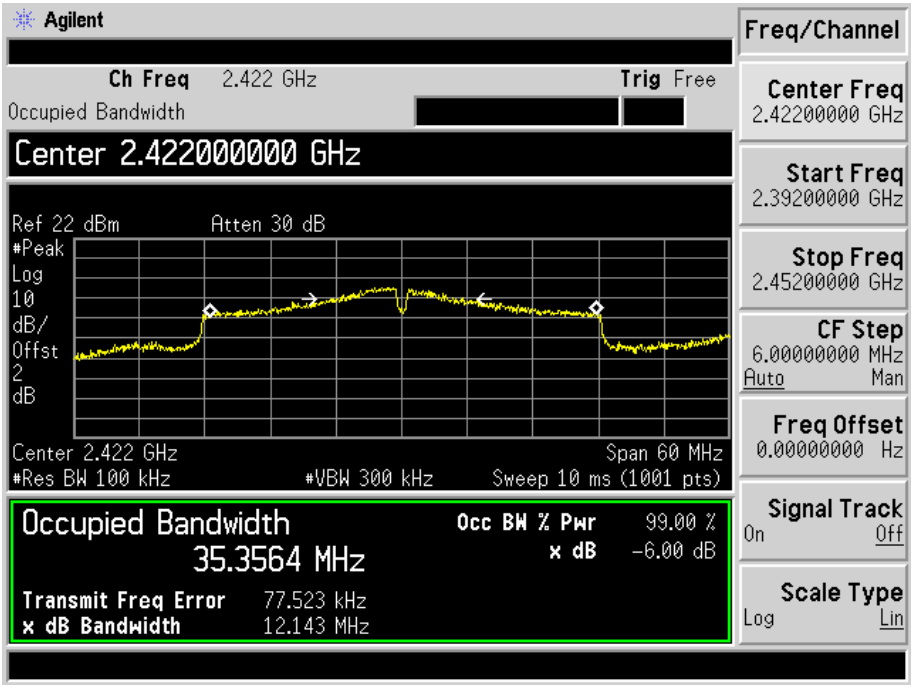
802.11n-HT20-Middle Channel



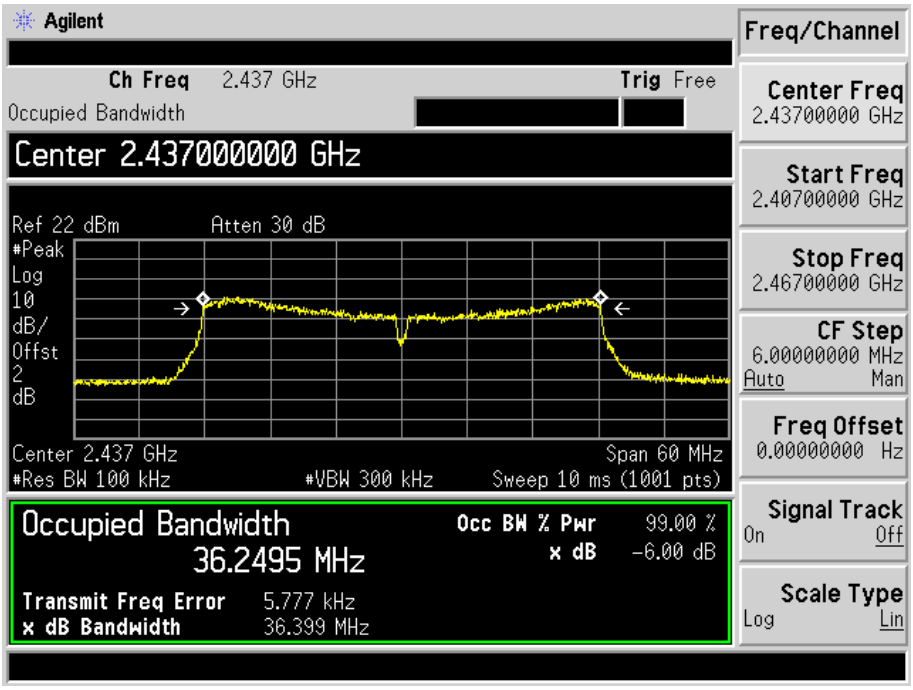
802.11n-HT20-High Channel



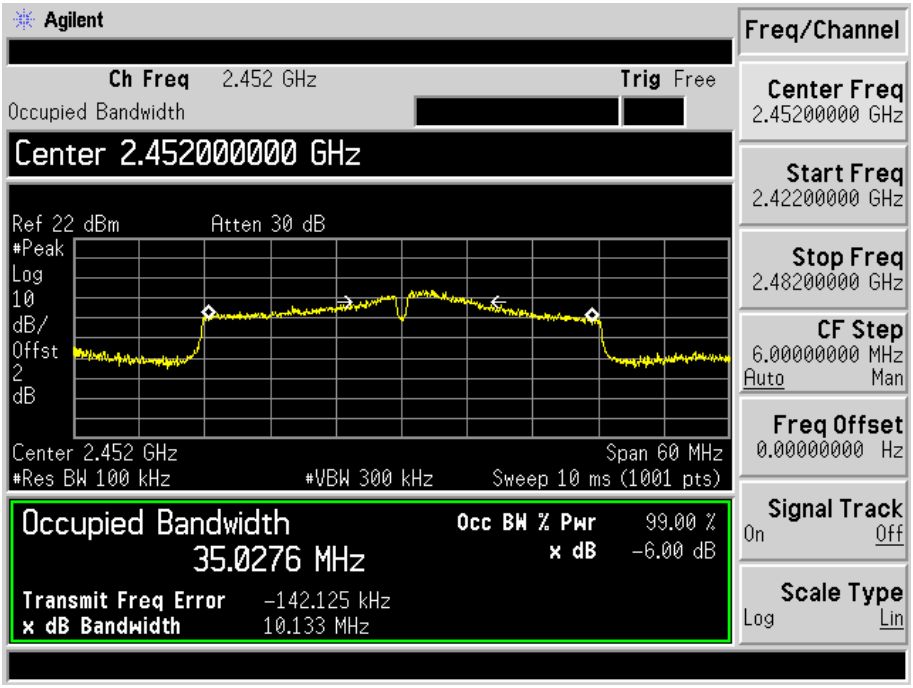
802.11n-HT40-Low Channel



802.11n-HT40-Middle Channel



802.11n-HT40-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 KDB-558074 D01 v03r04, 9.2.2.2 (channel integration method) 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 ≥ 3 x RBW.
d) Number of points in sweep ≥ 2 × span / RBW. (This gives bin-to-bin spacing ≤ 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 ≥ 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

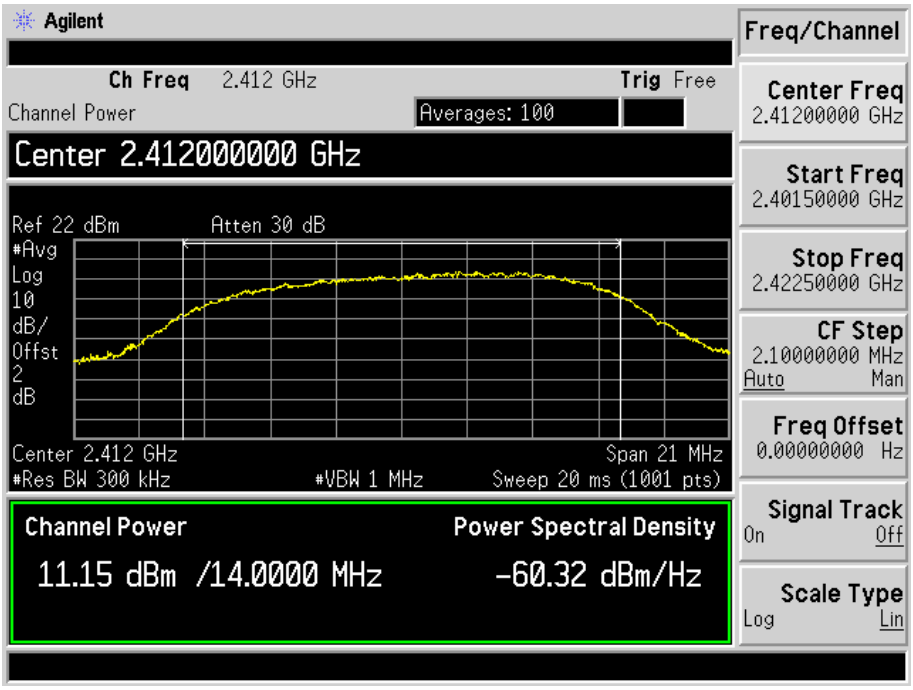
Temperature:	26° C
Relative Humidity:	57%
ATM Pressure:	1011 mbar

7.4 Summary of Test Results/Plots

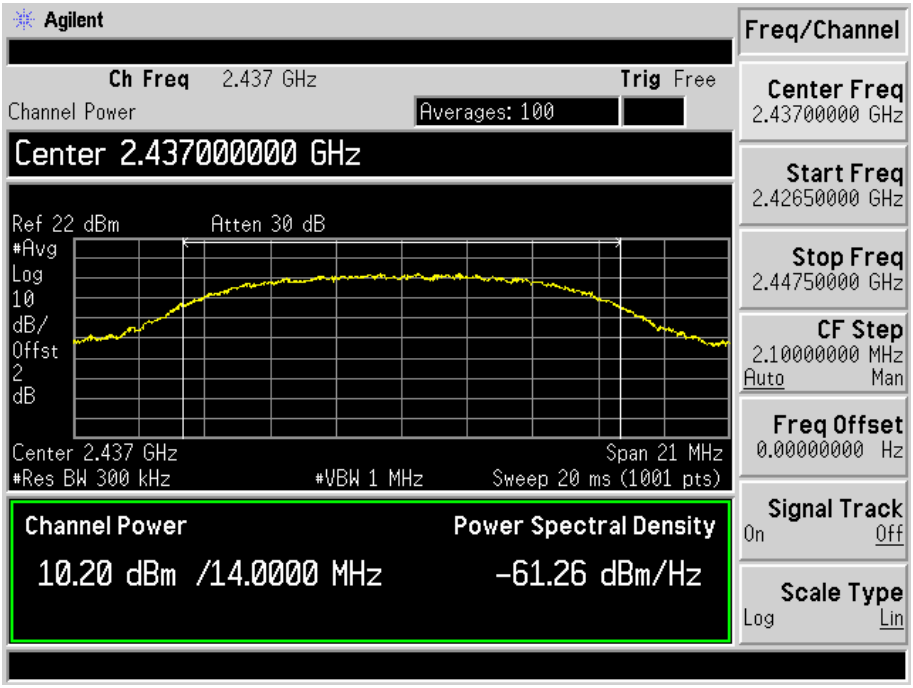
Test Mode	Frequency MHz	Reading dBm	Output Power mW	Limit mW
802.11b _ 11Mbps	2412	11.15	13.03	1000
	2437	10.20	10.47	1000
	2462	9.57	9.06	1000
802.11g_54Mbps	2412	8.55	7.16	1000
	2437	7.35	5.43	1000
	2462	7.43	5.53	1000
802.11n HT20_MCS7	2412	8.06	6.40	1000
	2437	7.51	5.64	1000
	2462	6.85	4.84	1000
802.11n HT40_MCS7	2422	7.96	6.25	1000
	2437	5.62	3.65	1000
	2452	6.76	4.74	1000

Please refer to the following test plots:

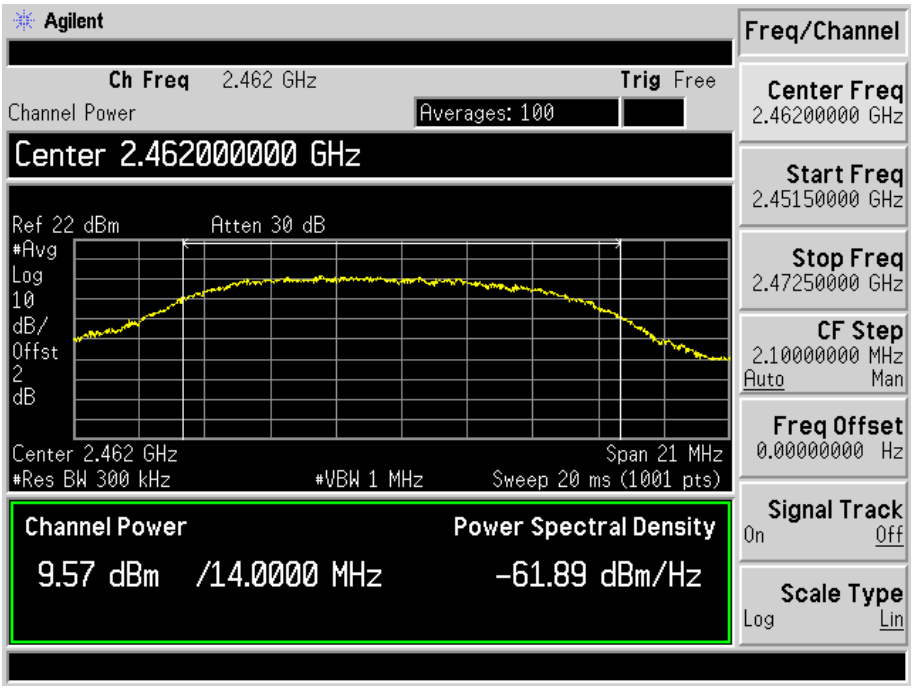
802.11b-11Mbps-Low Channel



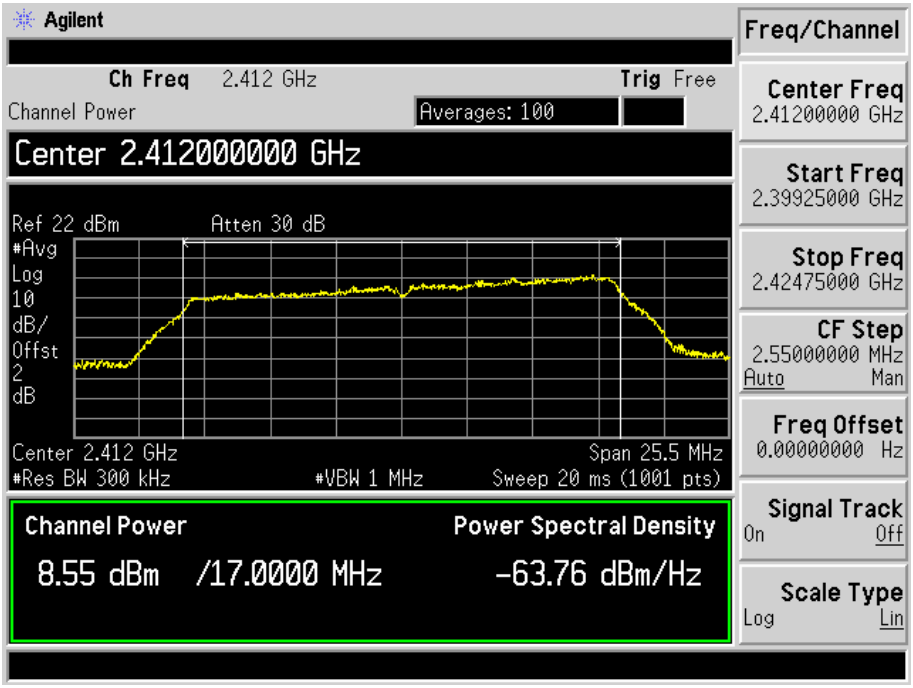
802.11b -11Mbps-Middle Channel



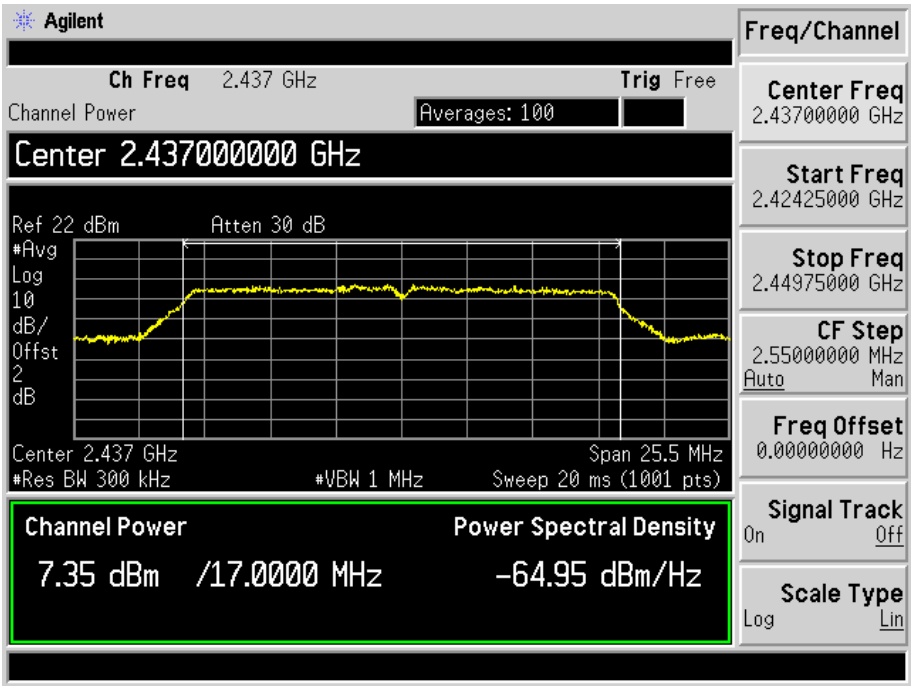
802.11b -11Mpbs-High Channel



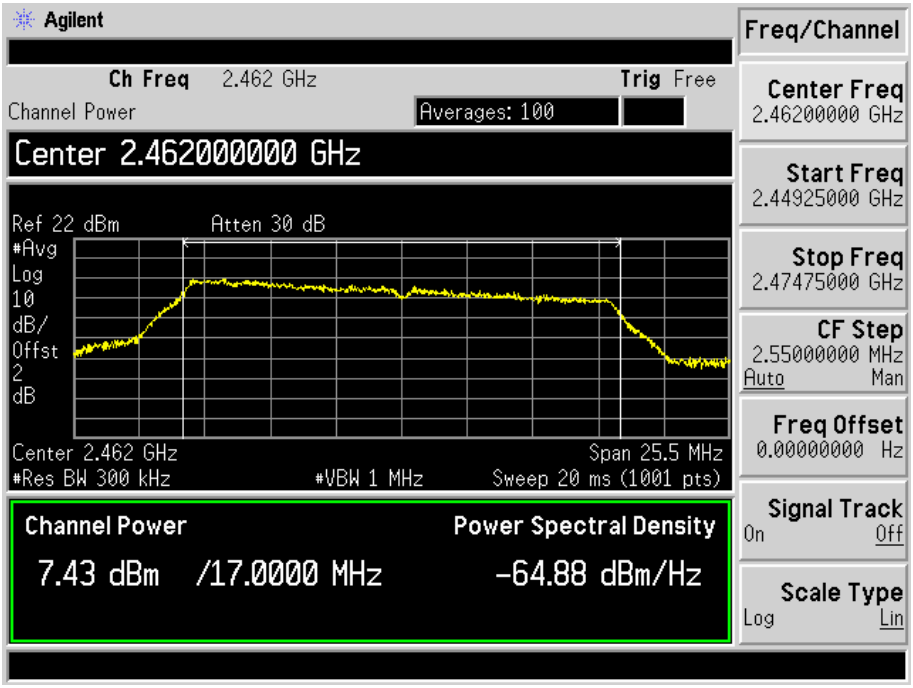
802.11g-54Mbps-Low Channel



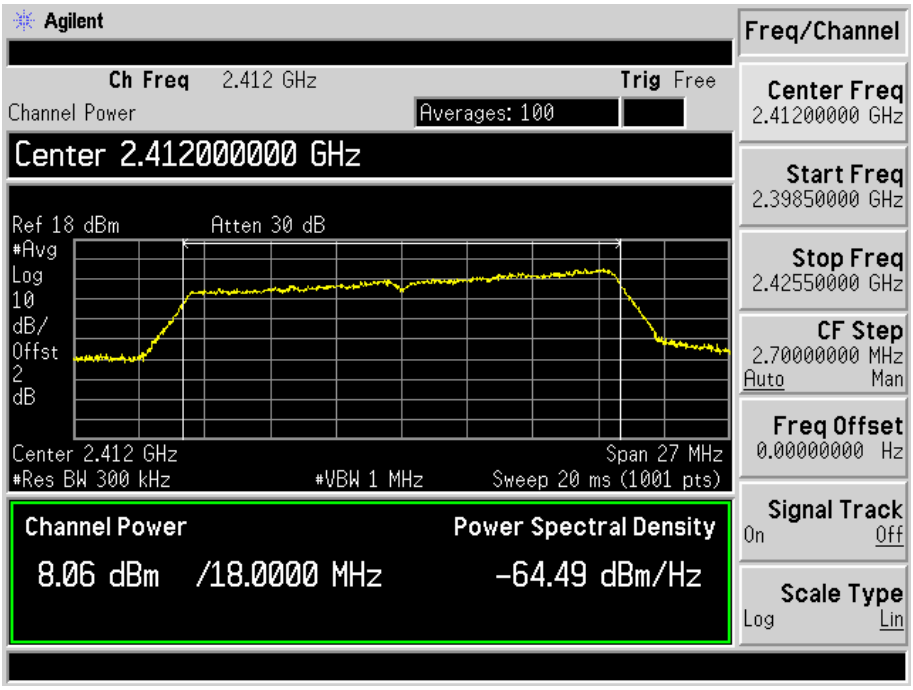
802.11g-54Mbps-Middle Channel



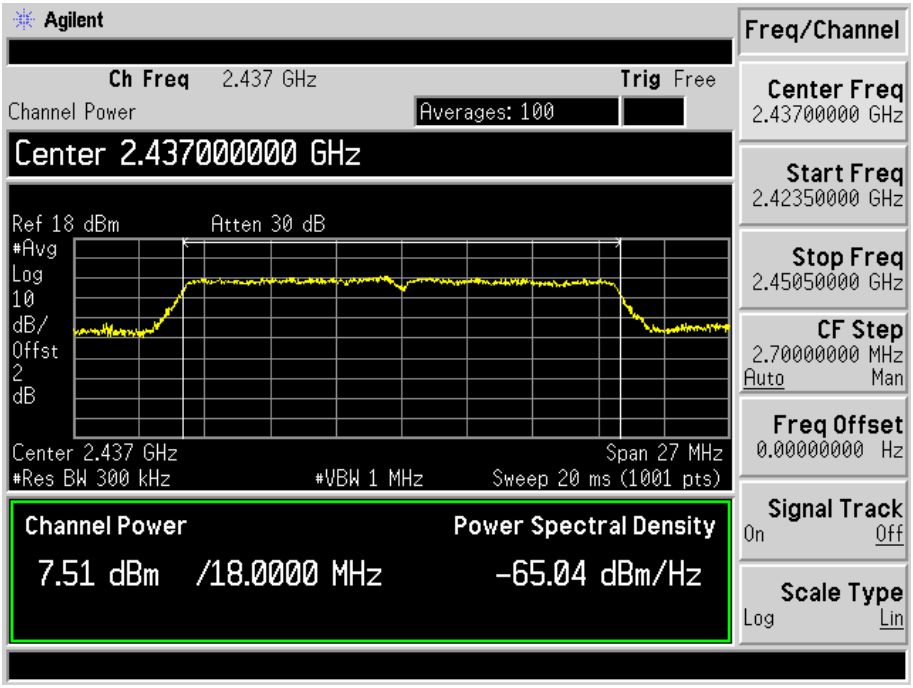
802.11g-54Mpbs-High Channel



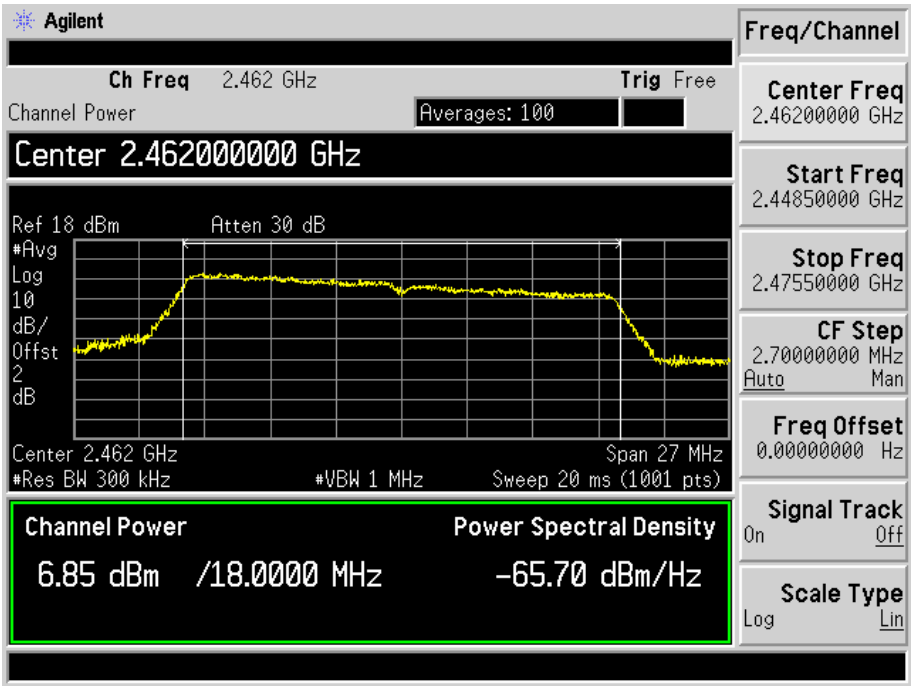
802.11n-HT20-MCS7-Low Channel



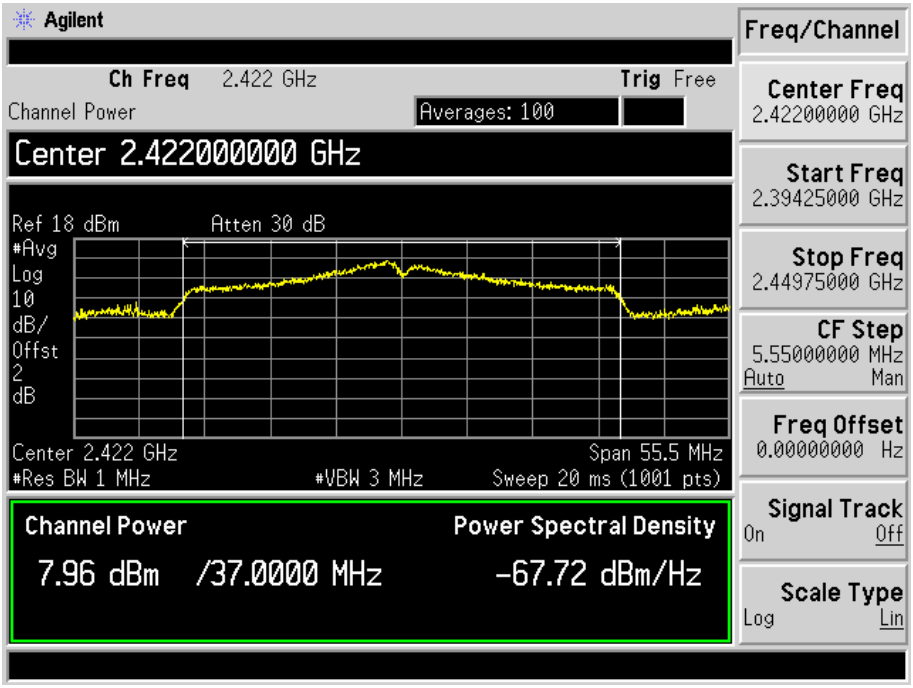
802.11n-HT20-MCS7-Middle Channel



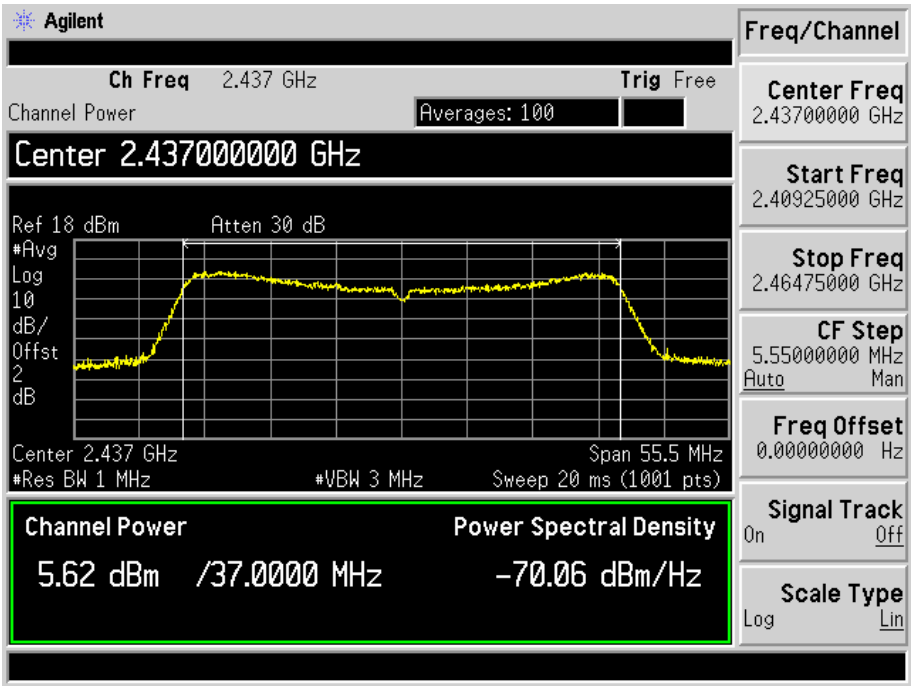
802.11n-HT20-MCS7-High Channel



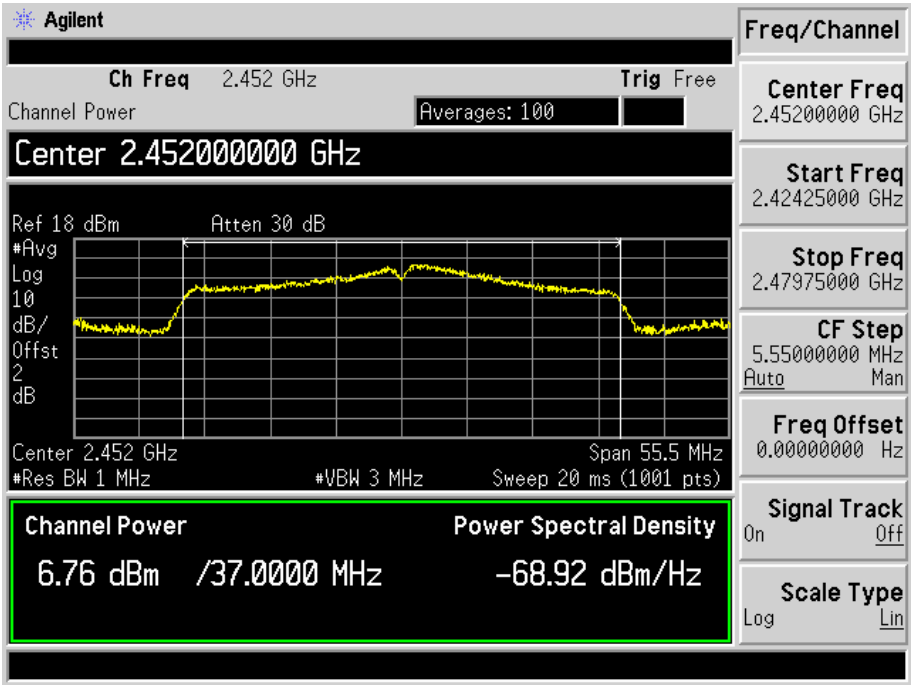
802.11n-HT40-MCS7-Low Channel



802.11n-HT40-MCS7-Middle Channel



802.11n-HT40-MCS7-High Channel



8. Field Strength of Spurious Emissions

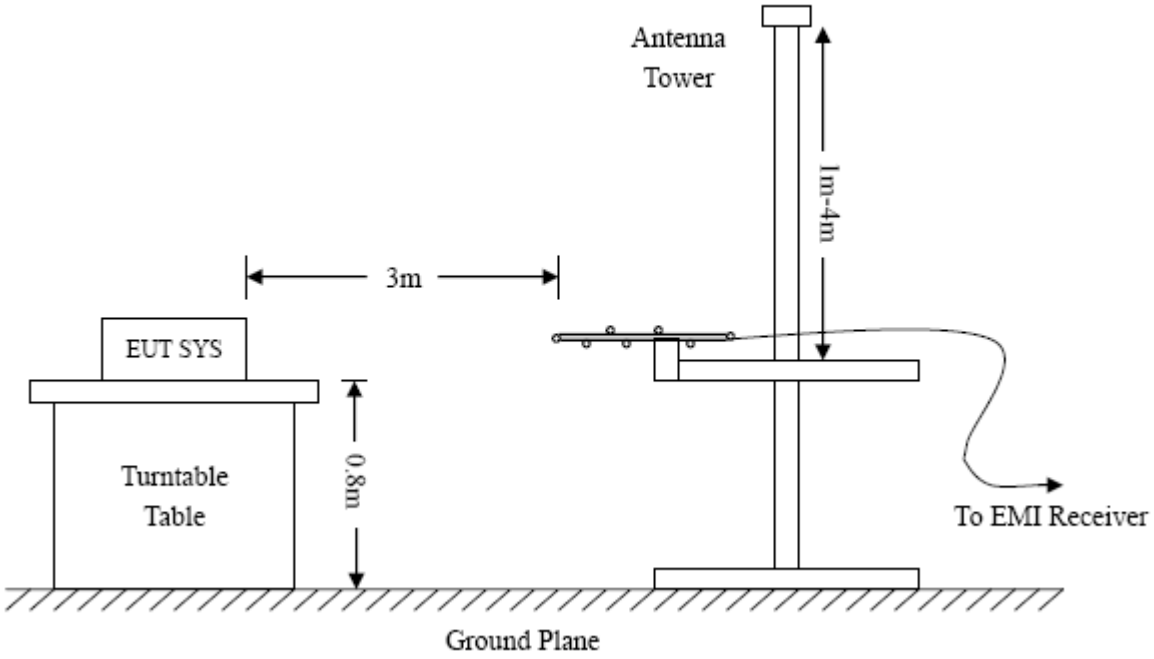
8.1 Standard Applicable

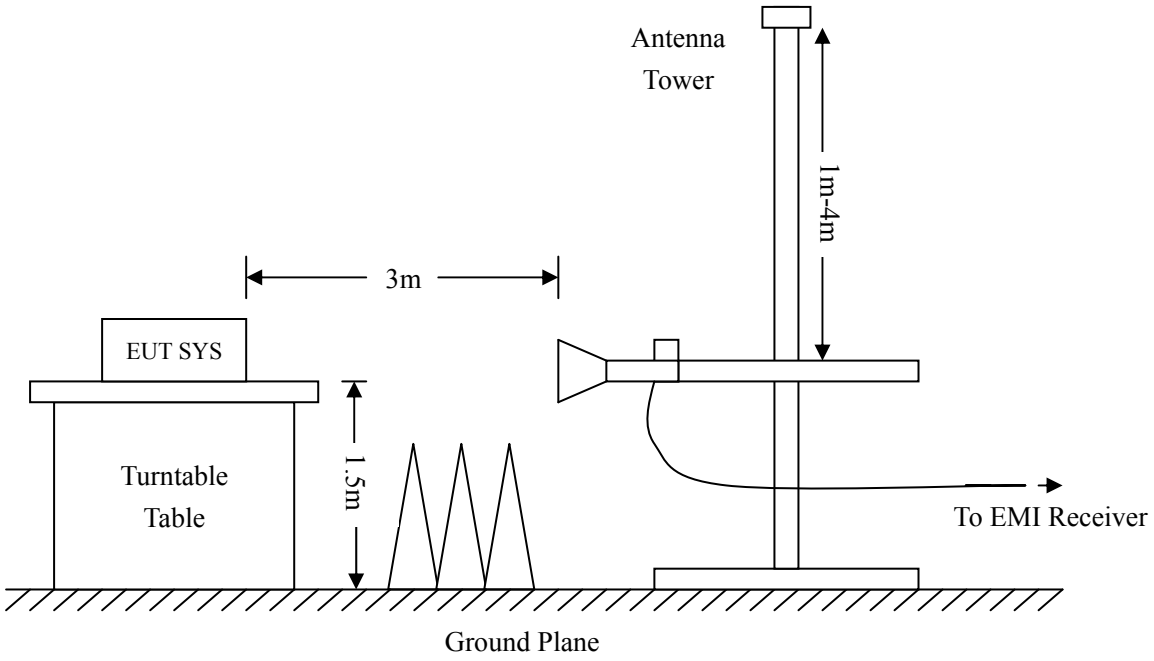
According to §15.247(d), in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within 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	Frequency :30MHz-1GHz	Frequency :Above 1GHz
RBW=10KHz,	RBW=120KHz,	RBW=1MHz,
VBW =30KHz	VBW=300KHz	VBW=3MHz(Peak), 10Hz(AV)
Sweep time= Auto	Sweep time= Auto	Sweep time= Auto
Trace = max hold	Trace = max hold	Trace = max hold
Detector function = peak	Detector function = peak, QP	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:

Corr. Ampl. = Indicated Reading + Ant. Factor + Cable Loss – 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:

Margin = Corr. Ampl. – 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

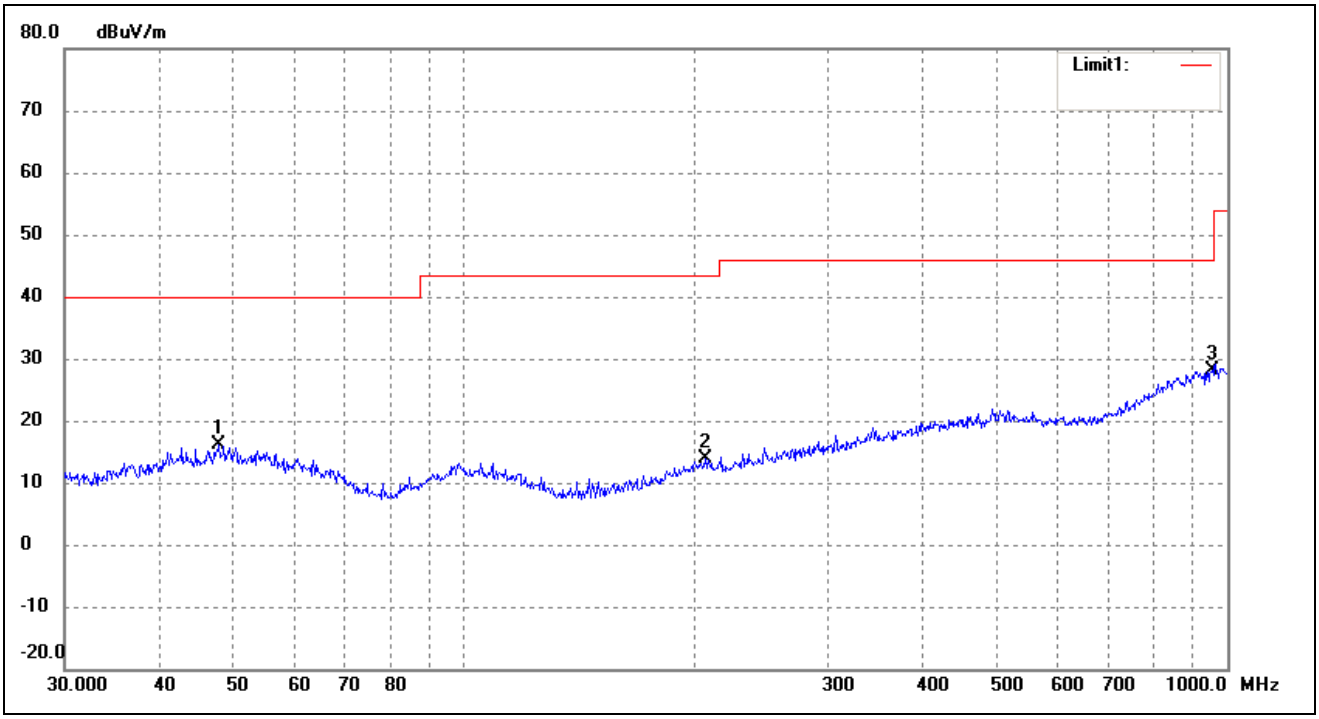
According to the data below, the FCC Part 15.205, 15.209 and 15.247 standards, and had the worst cases:

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)

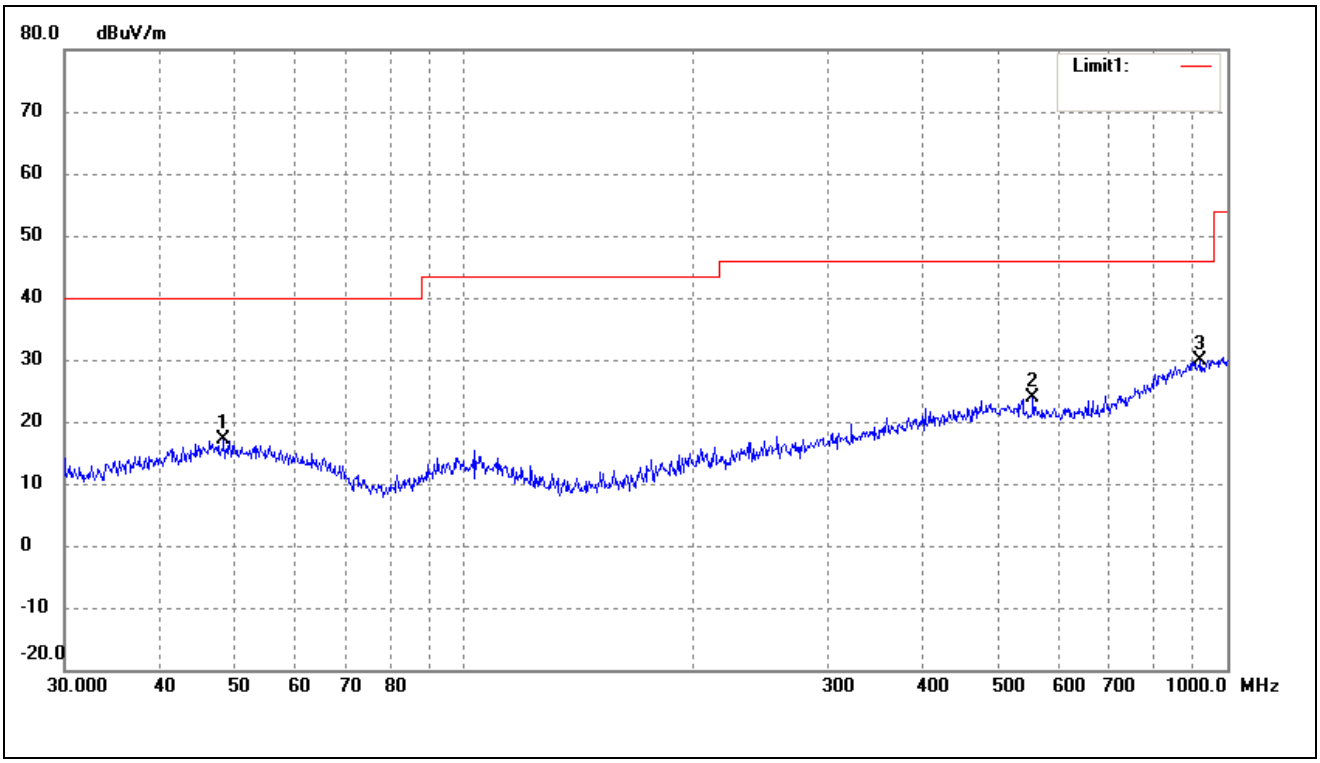
EUT: *Smart phone*
Tested Model: *Elite 6.0L*
Operating Condition: *802.11b Transmitting Low Channel-2412MHz*
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	47.8260	23.49	-7.46	16.03	40.00	-23.97	105	100	peak
2	207.1226	22.98	-9.01	13.97	43.50	-29.53	160	100	peak
3	955.4381	22.10	6.01	28.11	46.00	-17.89	180	100	peak

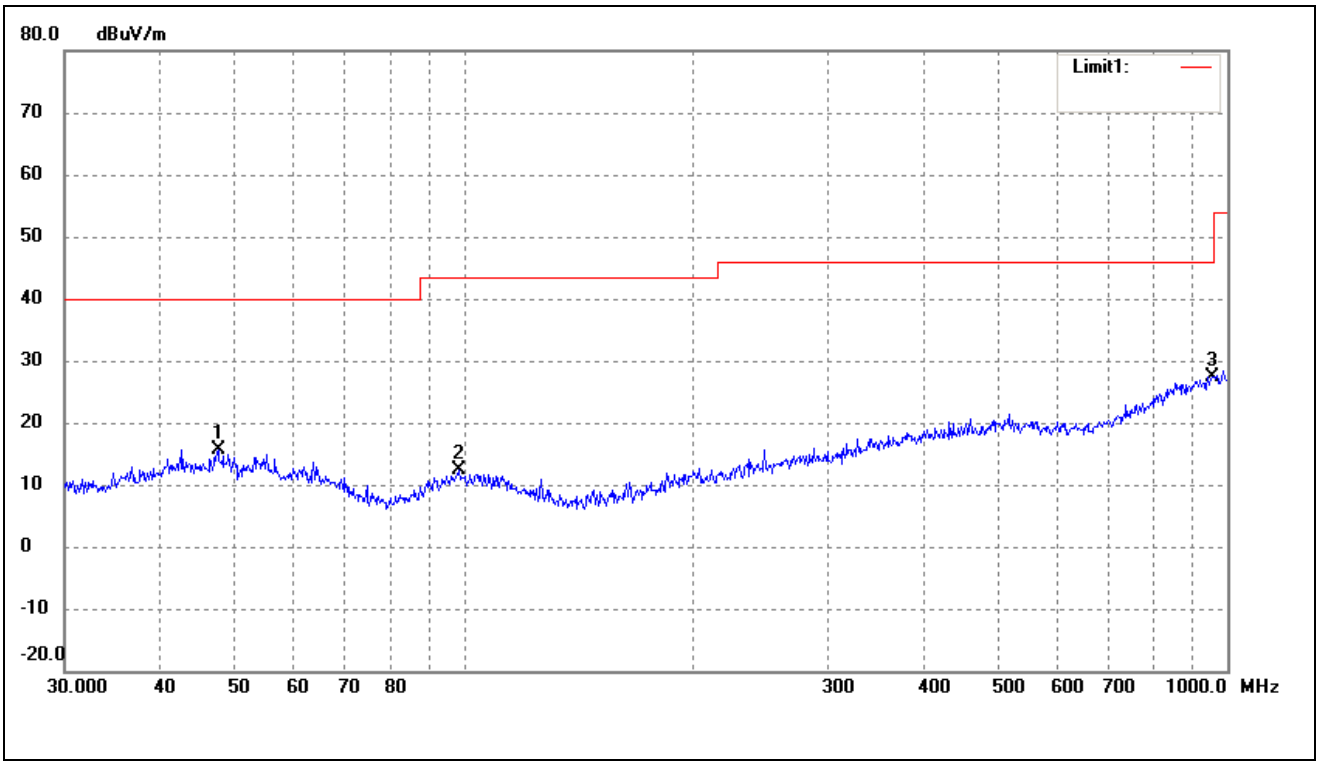
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	48.5016	24.70	-7.45	17.25	40.00	-22.75	140	100	peak
2	556.7744	23.61	0.27	23.88	46.00	-22.12	250	100	peak
3	922.5157	24.30	5.63	29.93	46.00	-16.07	120	100	peak

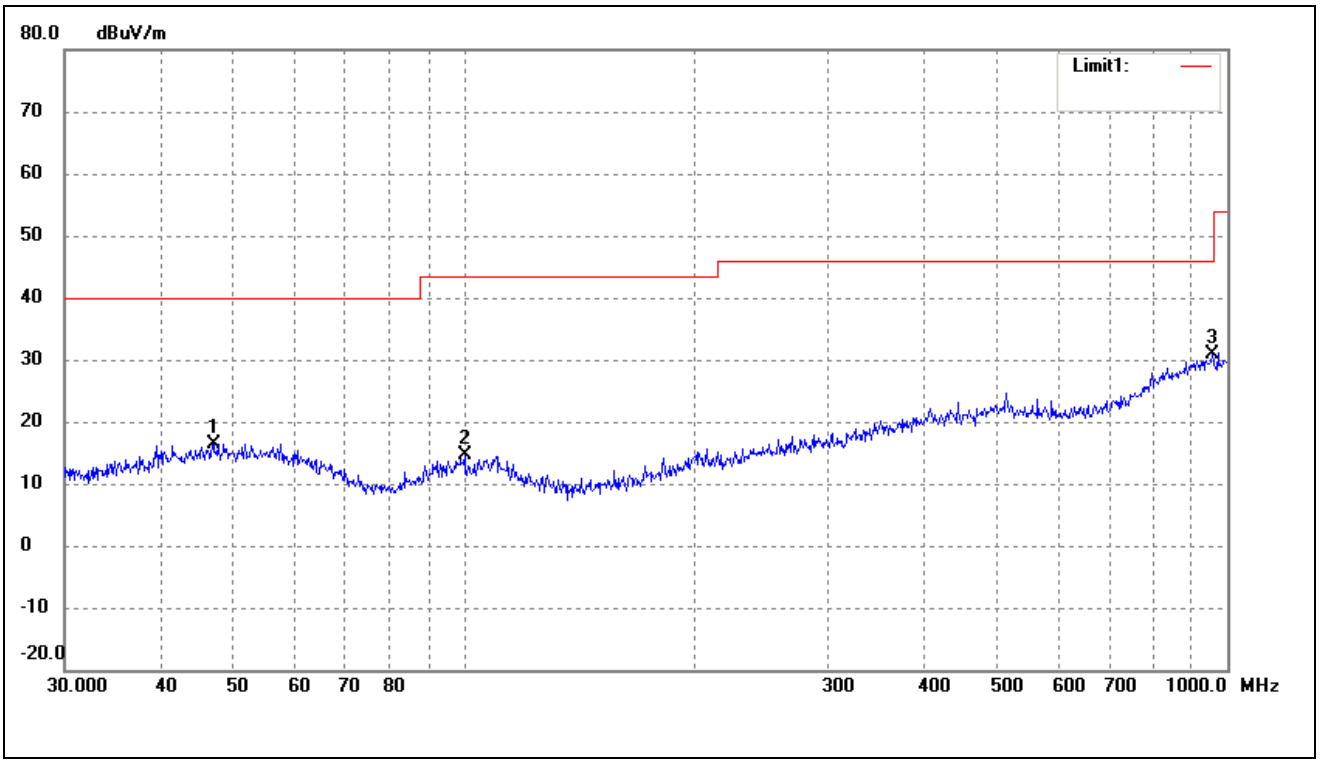
Operating Condition: *802.11b Transmitting Middle Channel-2437MHz*
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	47.6586	23.20	-7.46	15.74	40.00	-24.26	145	100	peak
2	98.4866	22.11	-9.75	12.36	43.50	-31.14	120	100	peak
3	955.4381	21.45	6.01	27.46	46.00	-18.54	108	100	peak

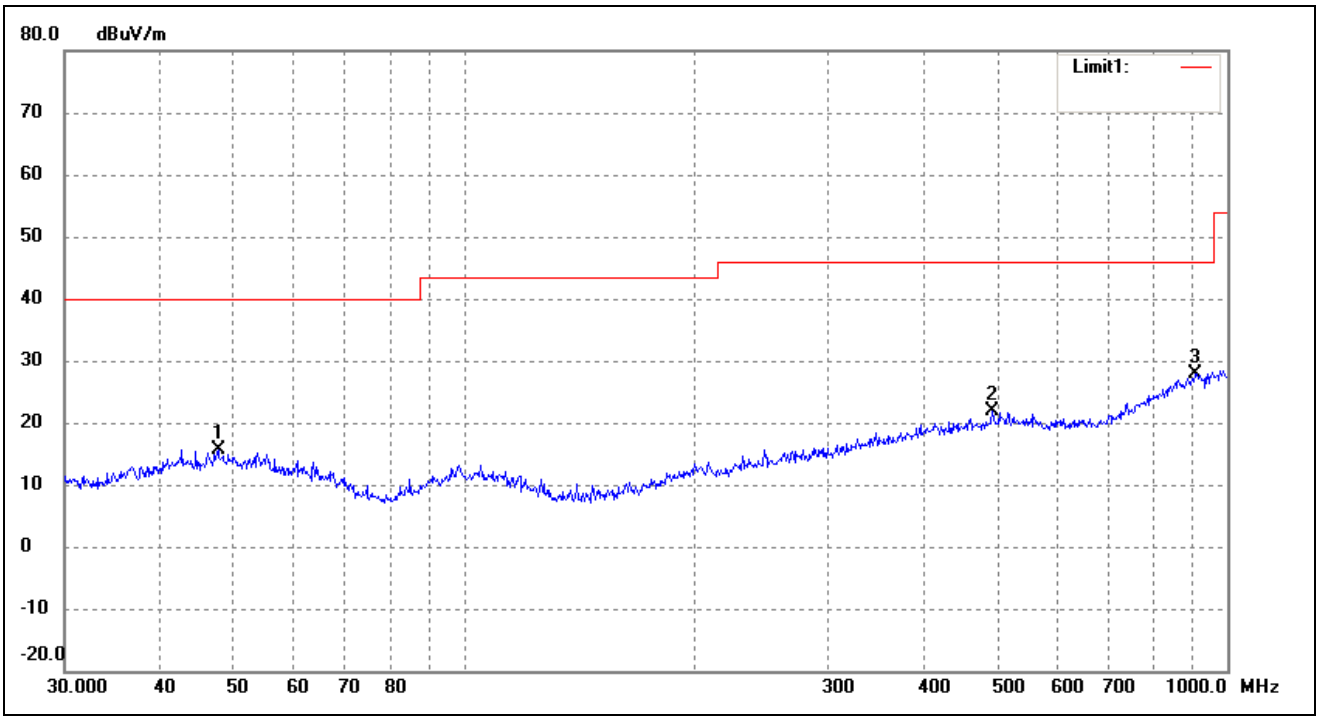
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	46.9948	23.90	-7.45	16.45	40.00	-23.55	120	100	peak
2	100.2286	24.30	-9.56	14.74	43.50	-28.76	113	100	peak
3	955.4381	24.85	6.01	30.86	46.00	-15.14	157	100	peak

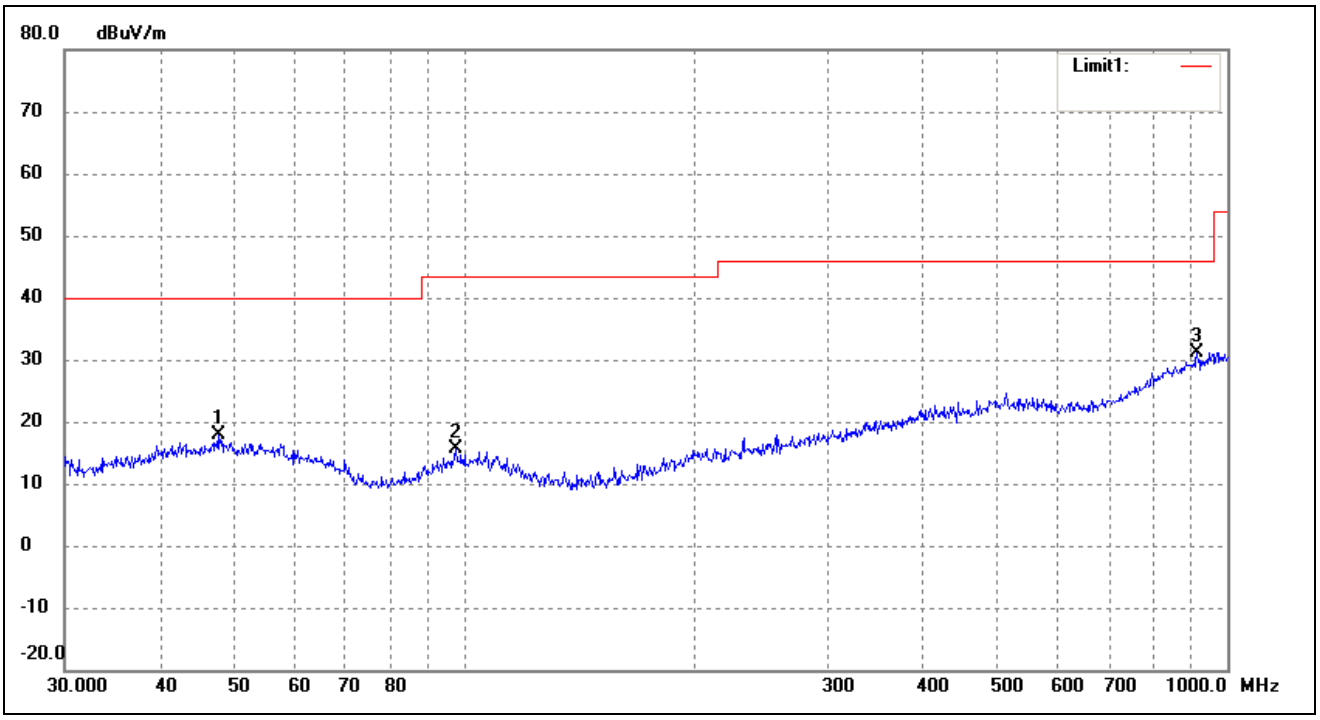
Operating Condition: *802.11b Transmitting High Channel-2462MHz*
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	47.6586	23.20	-7.46	15.74	40.00	-24.26	120	100	peak
2	492.4685	23.09	-1.29	21.80	46.00	-24.20	250	100	peak
3	909.6667	22.45	5.49	27.94	46.00	-18.06	360	100	peak

Test Specification: *Vertical*

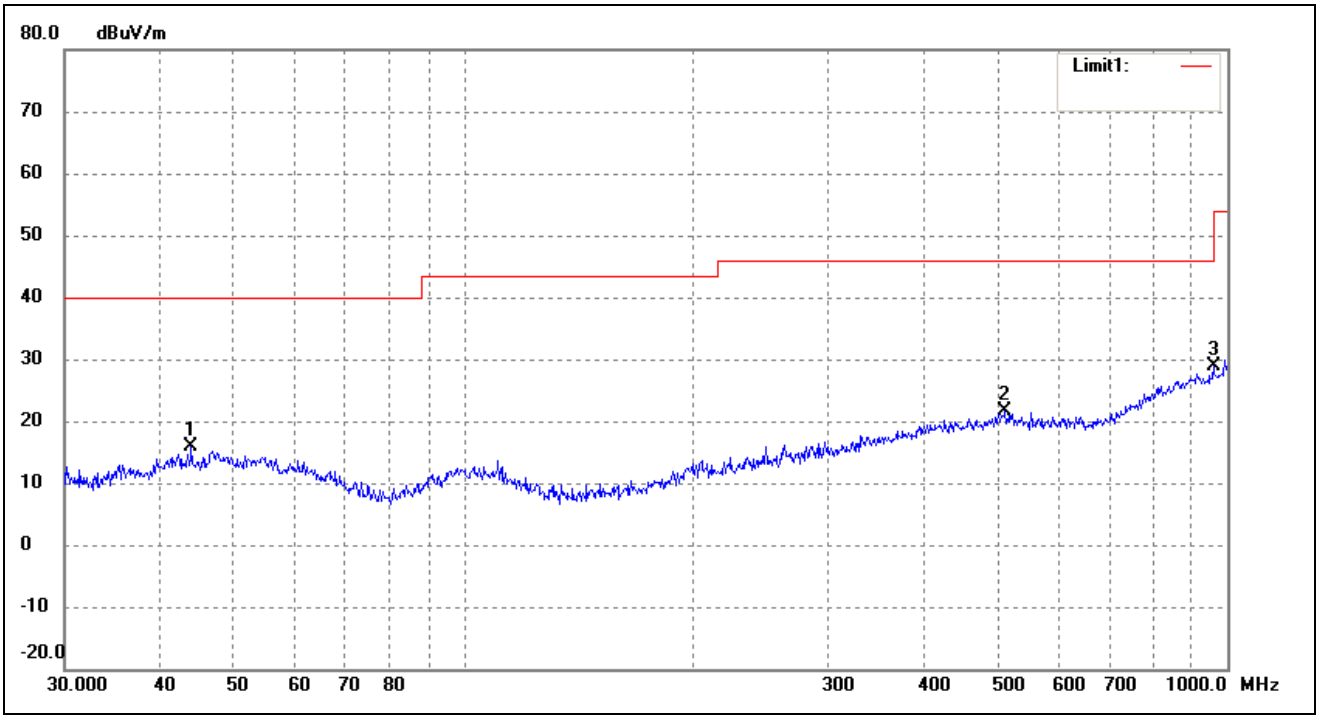


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	47.6586	25.22	-7.46	17.76	40.00	-22.24	360	100	peak
2	97.4560	25.62	-9.87	15.75	43.50	-27.75	200	100	peak
3	912.8620	25.65	5.53	31.18	46.00	-14.82	120	100	peak

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

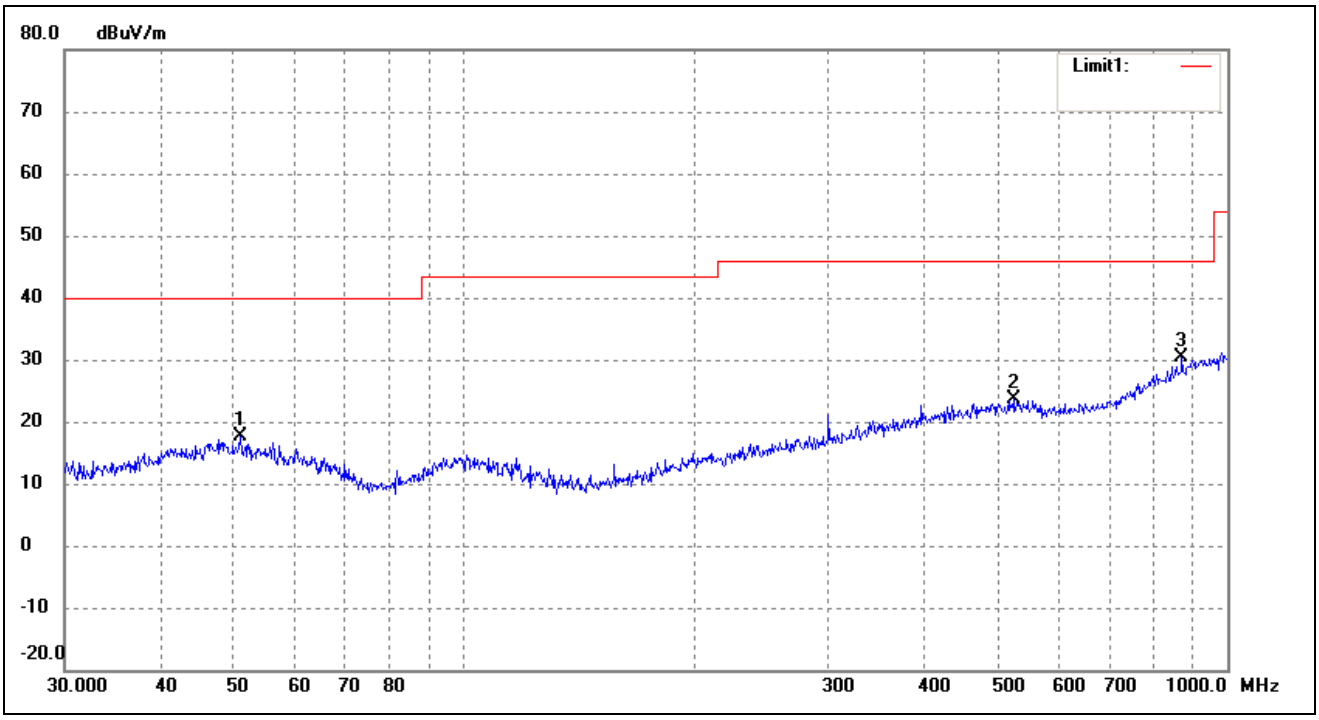
EUT: *Smart phone*
Tested Model: *Elite 6.0L*
Operating Condition: *802.11g Transmitting Low Channel-2412MHz*
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	43.9658	23.55	-7.68	15.87	40.00	-24.13	170	100	peak
2	511.8352	22.86	-1.19	21.67	46.00	-24.33	20	100	peak
3	958.7943	22.75	6.06	28.81	46.00	-17.19	320	100	peak

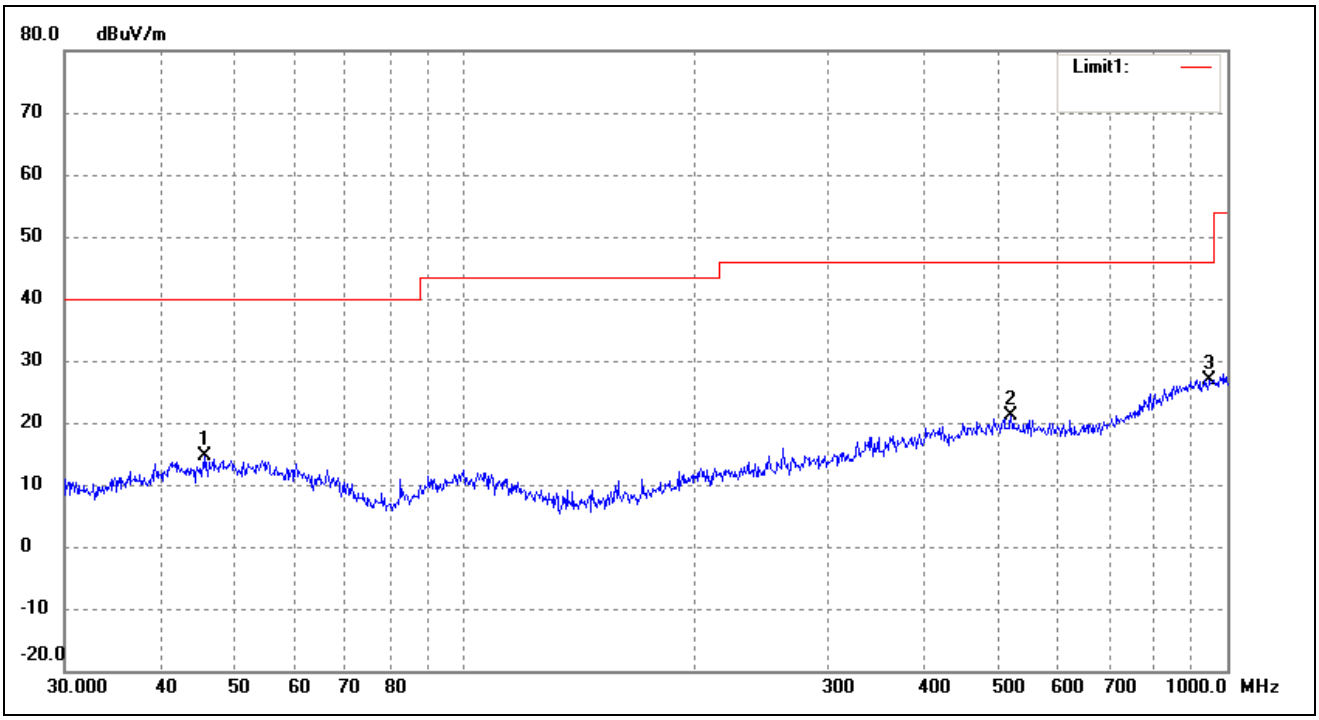
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	50.9420	25.22	-7.54	17.68	40.00	-22.32	270	100	peak
2	524.5541	24.15	-0.51	23.64	46.00	-22.36	190	100	peak
3	872.1832	25.56	4.83	30.39	46.00	-15.61	360	100	peak

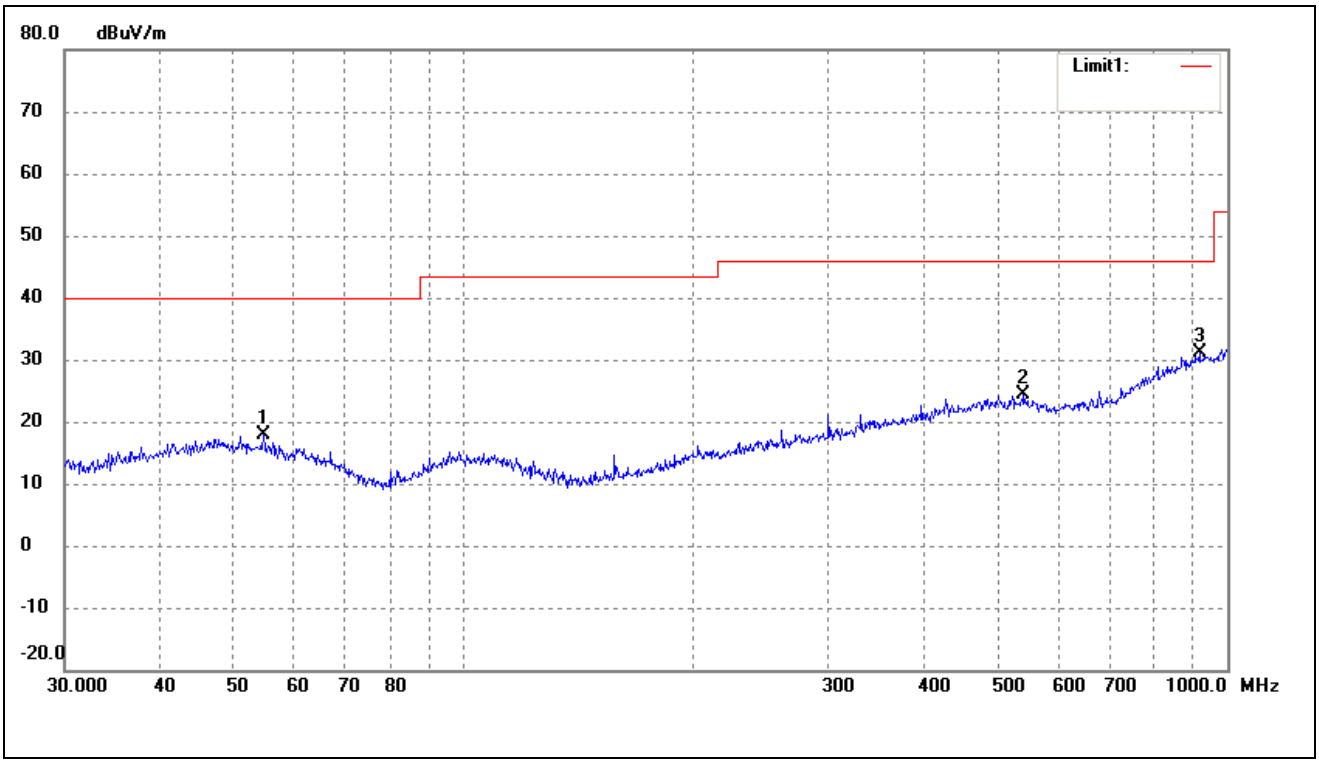
Operating Condition: *802.11g Transmitting Middle Channel-2437MHz*
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	45.8553	22.04	-7.47	14.57	40.00	-25.43	270	100	peak
2	520.8882	22.48	-1.23	21.25	46.00	-24.75	160	100	peak
3	948.7610	21.06	5.92	26.98	46.00	-19.02	228	200	peak

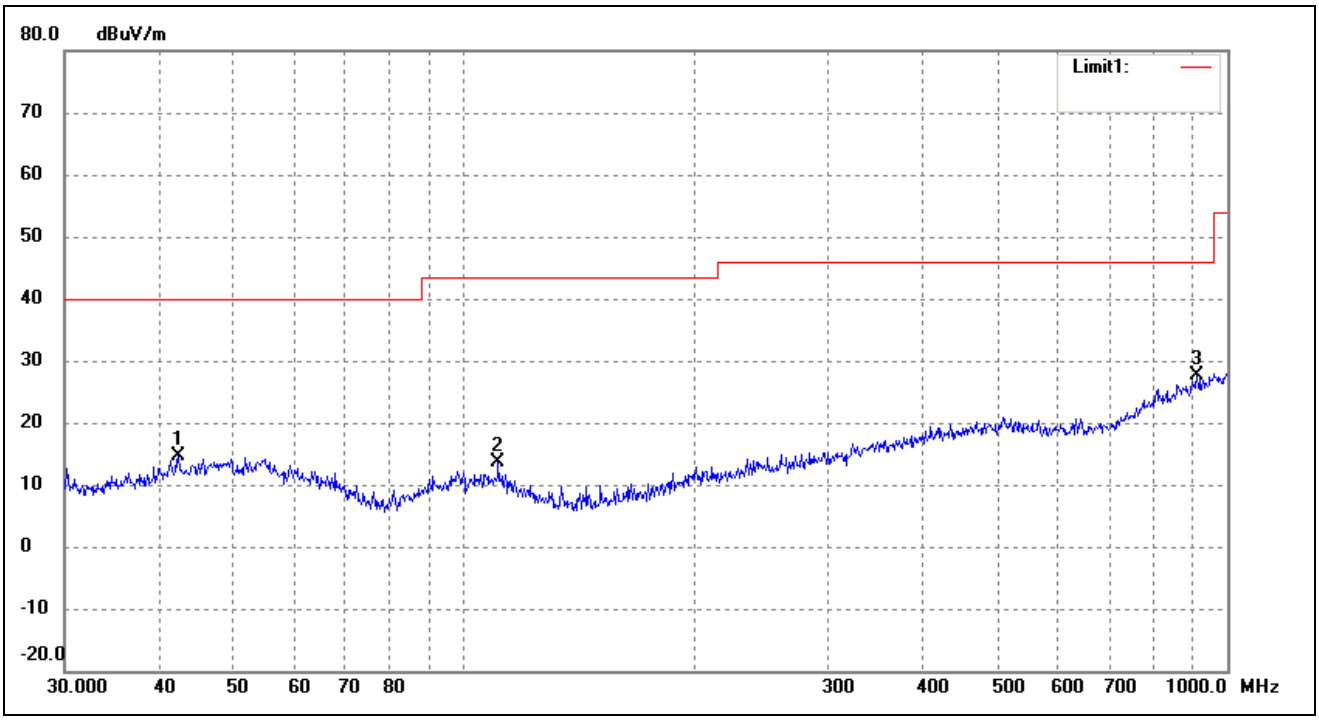
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	54.6429	25.68	-7.91	17.77	40.00	-22.23	360	100	peak
2	541.3725	24.40	-0.07	24.33	46.00	-21.67	120	100	peak
3	919.2866	25.49	5.59	31.08	46.00	-14.92	270	100	peak

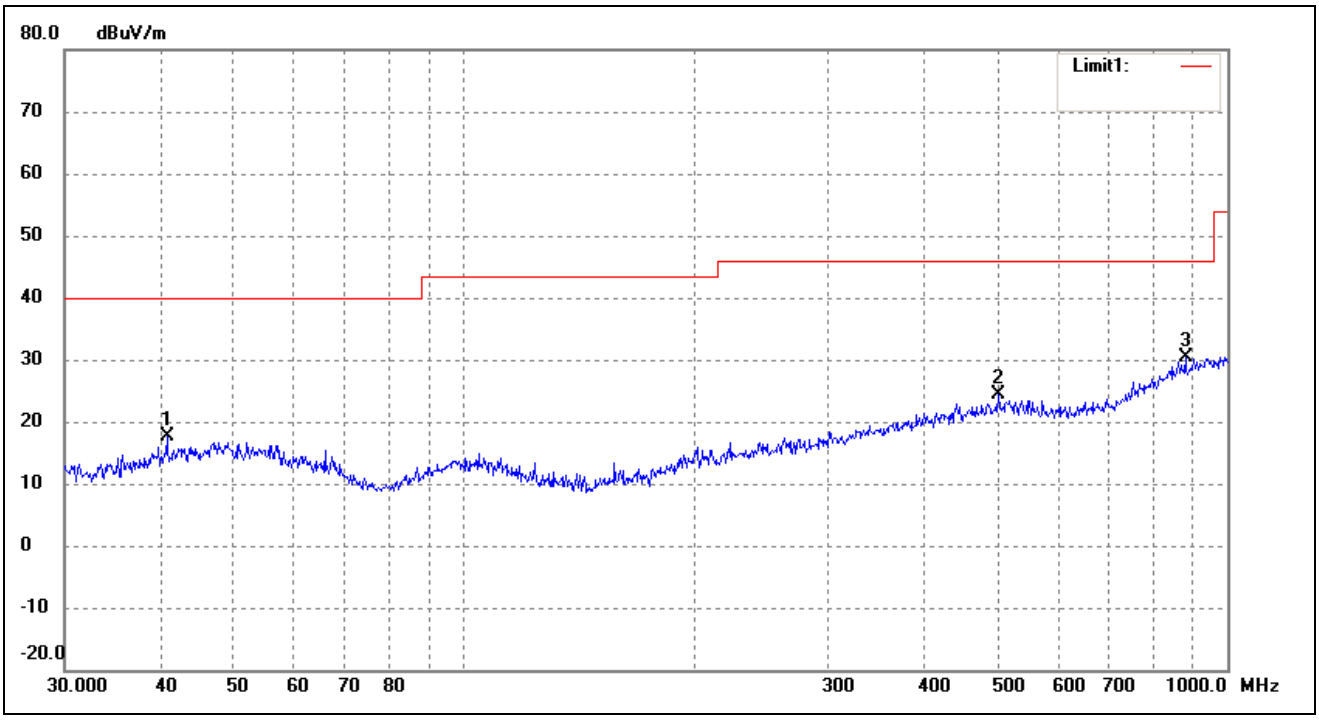
Operating Condition: *802.11g Transmitting High Channel-2462MHz*
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	42.3022	22.64	-8.00	14.64	40.00	-25.36	270	100	peak
2	110.9571	23.39	-9.76	13.63	43.50	-29.87	150	100	peak
3	912.8620	22.16	5.53	27.69	46.00	-18.31	360	100	peak

Test Specification: *Vertical*



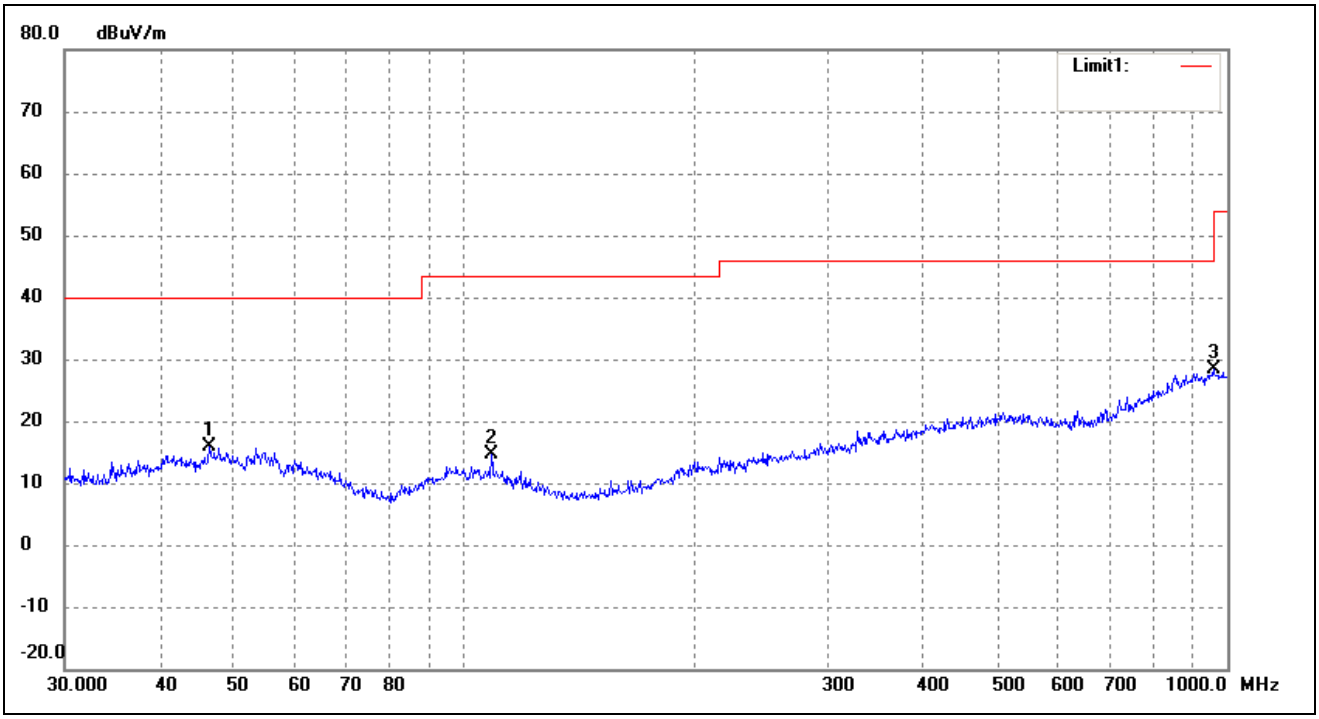
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	40.8446	25.79	-8.27	17.52	40.00	-22.48	360	100	peak
2	501.1790	25.44	-1.10	24.34	46.00	-21.66	180	100	peak
3	881.4067	25.48	5.01	30.49	46.00	-15.51	120	100	peak

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

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

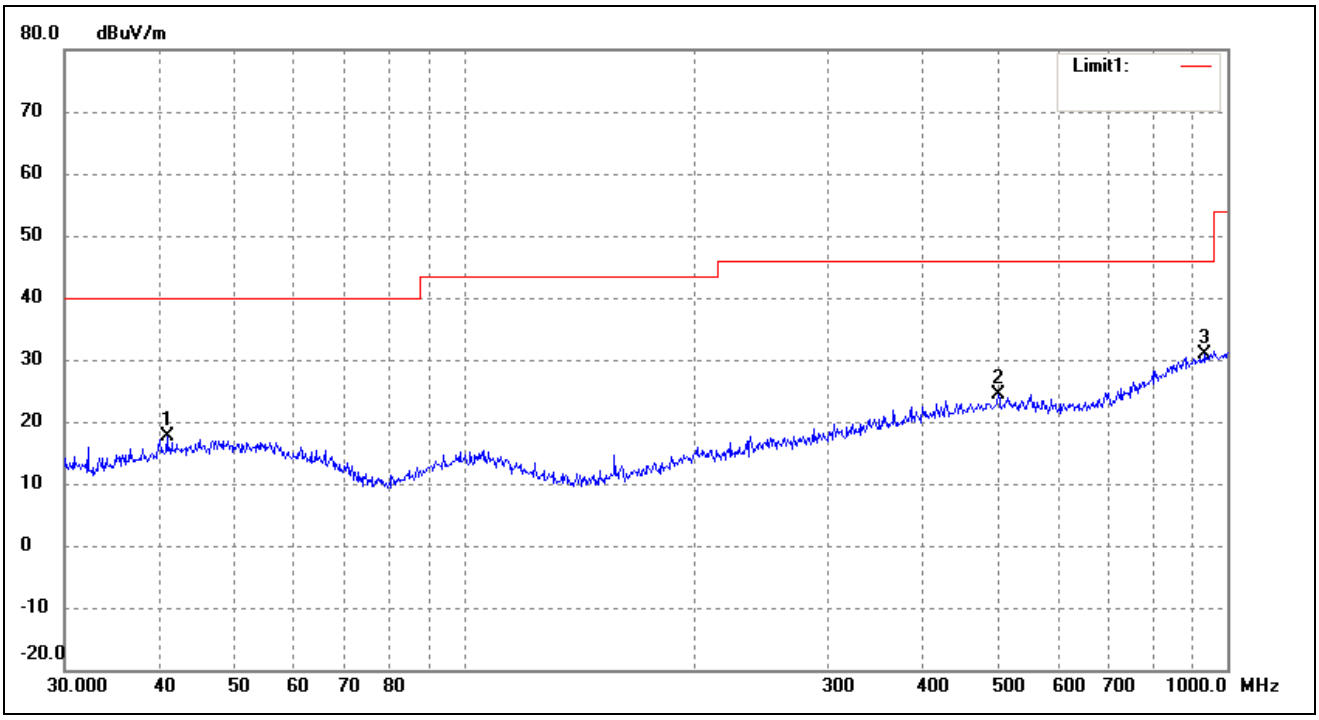
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	46.3402	23.37	-7.46	15.91	40.00	-24.09	260	100	peak
2	108.6470	24.29	-9.60	14.69	43.50	-28.81	120	200	peak
3	958.7943	22.30	6.06	28.36	46.00	-17.64	289	200	peak

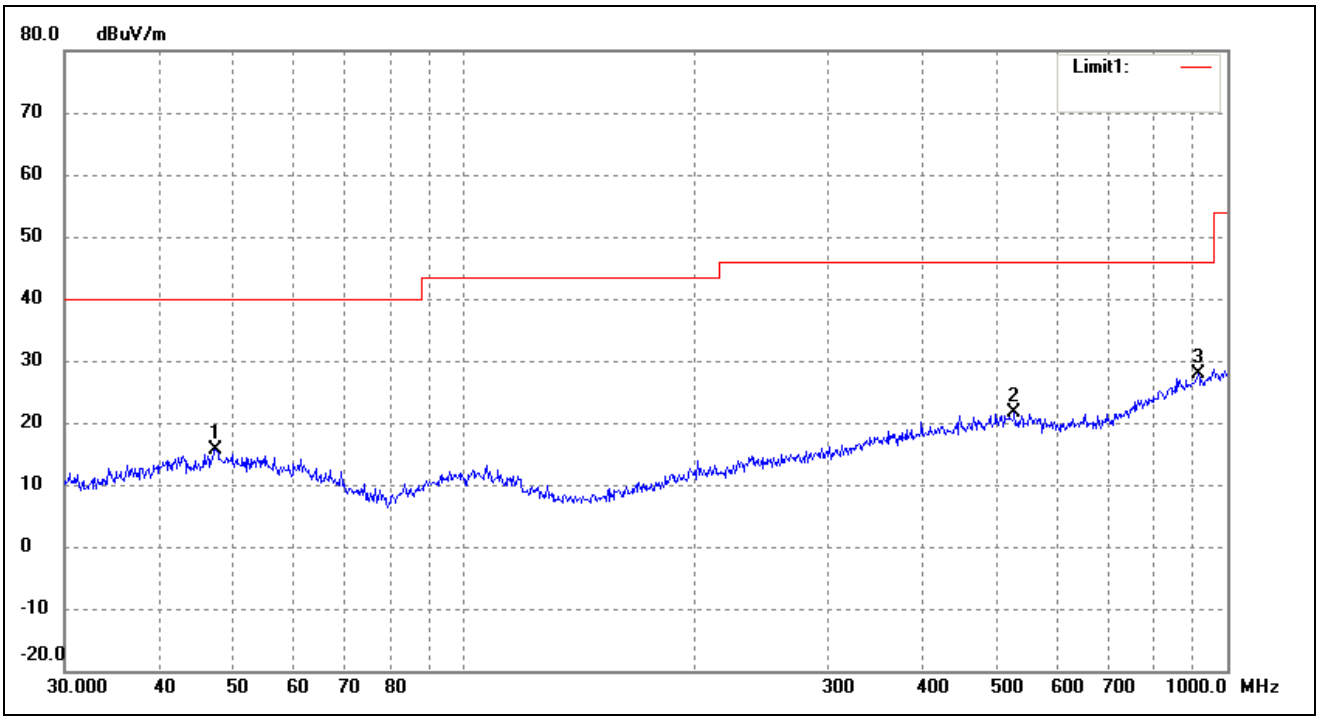
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	40.8446	25.79	-8.27	17.52	40.00	-22.48	130	100	peak
2	501.1790	25.44	-1.10	24.34	46.00	-21.66	120	100	peak
3	935.5463	25.18	5.77	30.95	46.00	-15.05	360	100	peak

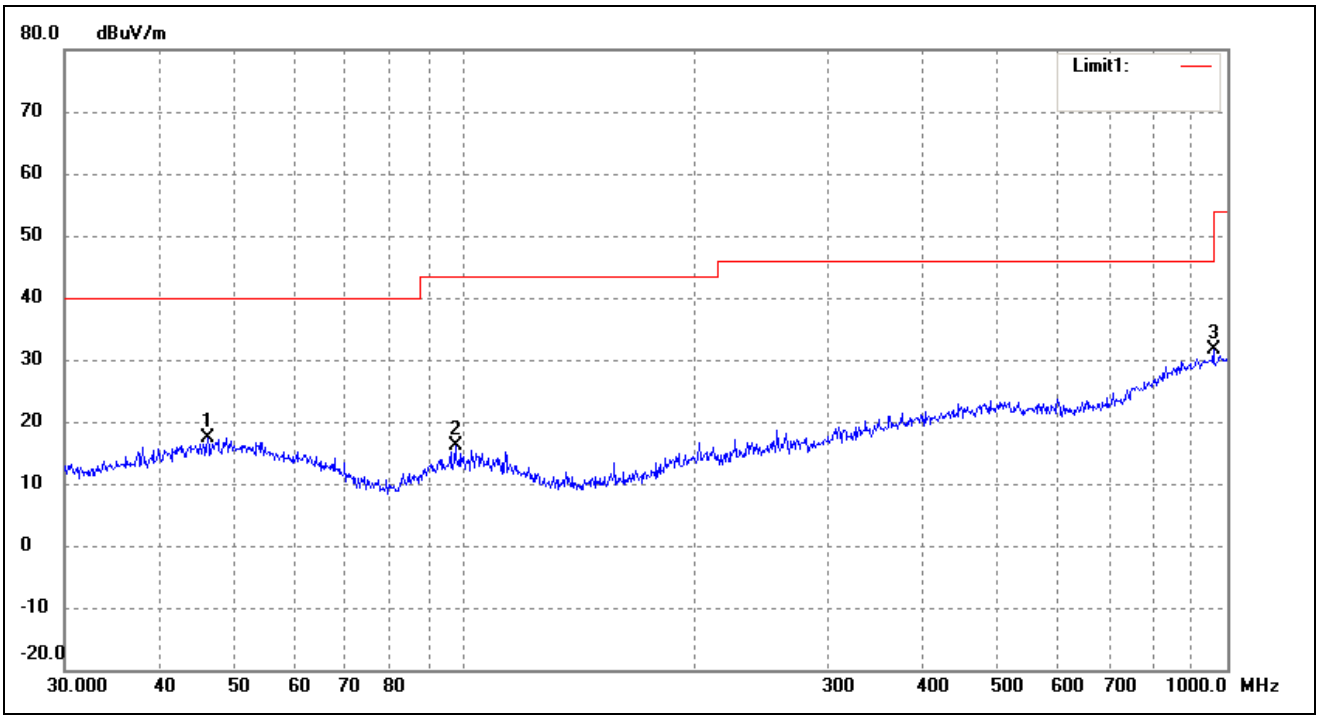
Operating Condition: *802.11n-HT20 Transmitting Middle Channel-2437MHz*
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	47.3255	23.15	-7.45	15.70	40.00	-24.30	274	100	peak
2	526.3967	22.96	-1.25	21.71	46.00	-24.29	130	100	peak
3	916.0687	22.32	5.55	27.87	46.00	-18.13	120	100	peak

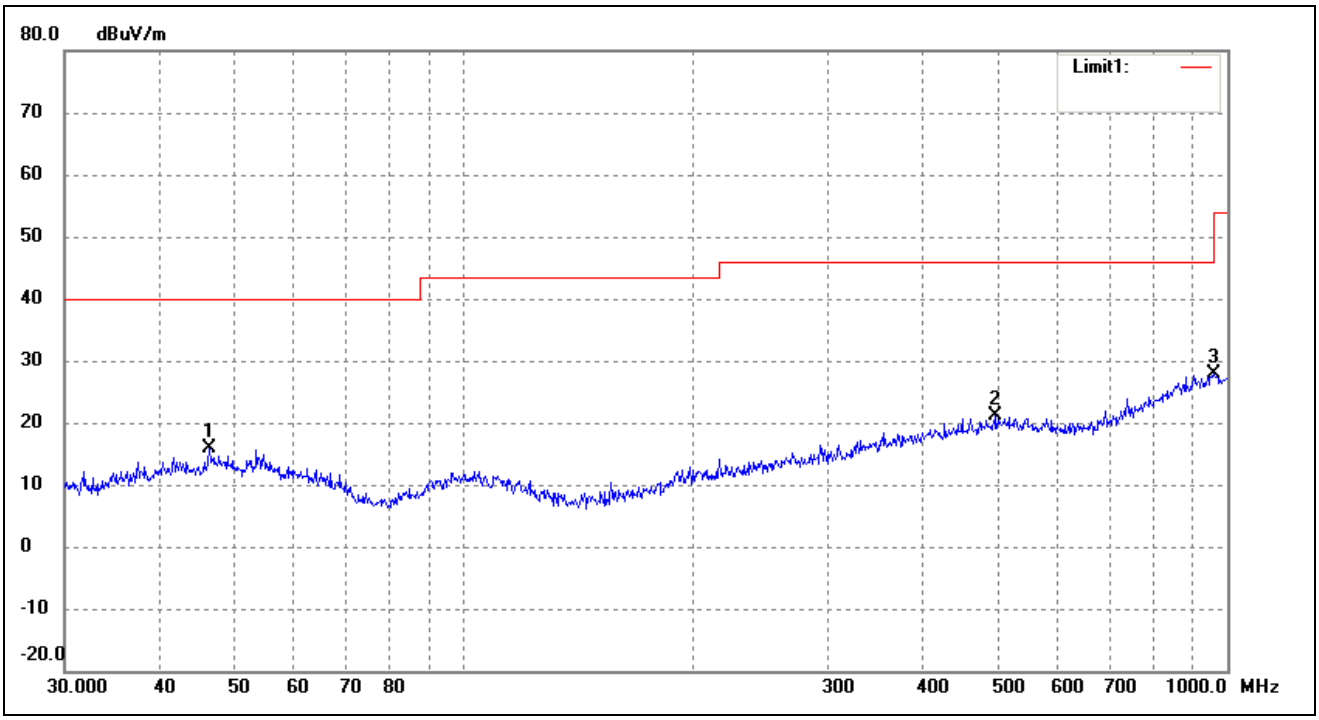
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	46.1780	24.96	-7.46	17.50	40.00	-22.50	360	100	peak
2	97.4560	25.92	-9.87	16.05	43.50	-27.45	110	100	peak
3	958.7943	25.59	6.06	31.65	46.00	-14.35	120	100	peak

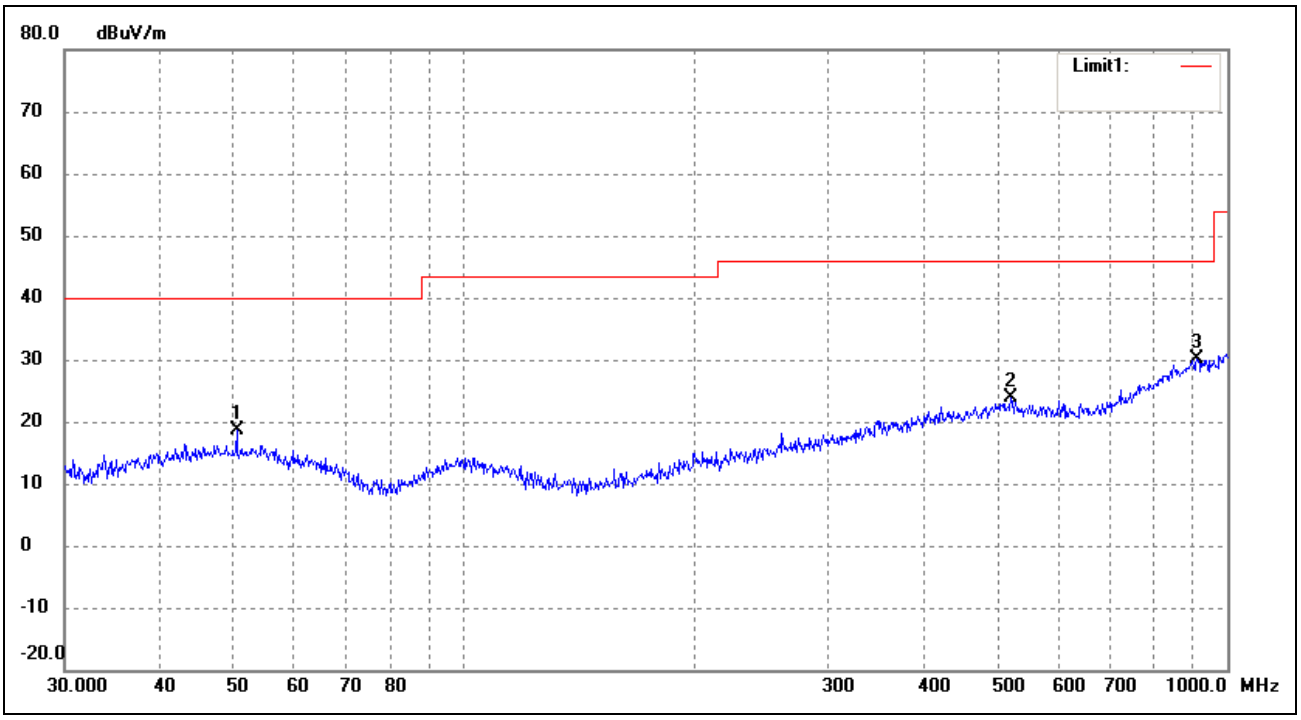
Operating Condition: *802.11n-HT20 Transmitting High Channel-2462MHz*
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	46.3402	23.37	-7.46	15.91	40.00	-24.09	360	100	peak
2	497.6765	22.28	-1.17	21.11	46.00	-24.89	138	100	peak
3	958.7943	21.87	6.06	27.93	46.00	-18.07	180	200	peak

Test Specification: *Vertical*

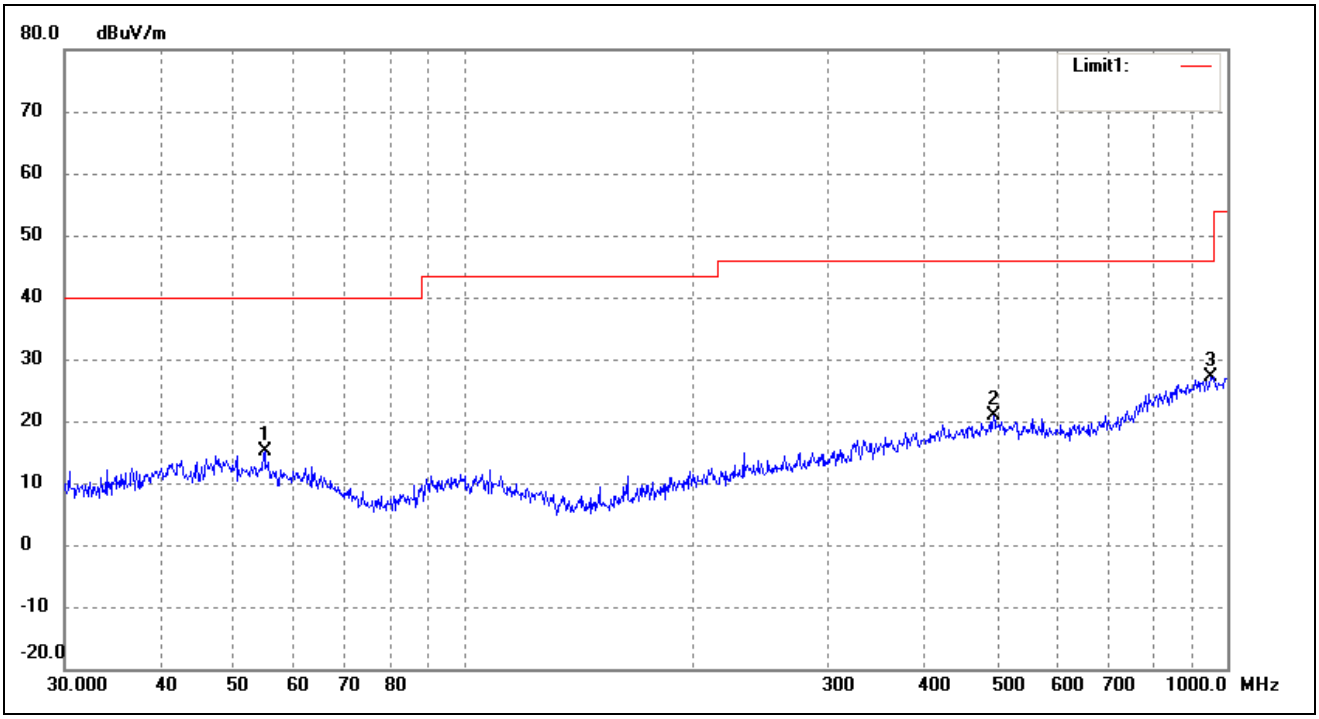


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	50.4089	26.06	-7.49	18.57	40.00	-21.43	270	100	peak
2	520.8882	24.58	-0.60	23.98	46.00	-22.02	120	100	peak
3	912.8620	24.54	5.53	30.07	46.00	-15.93	360	100	peak

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

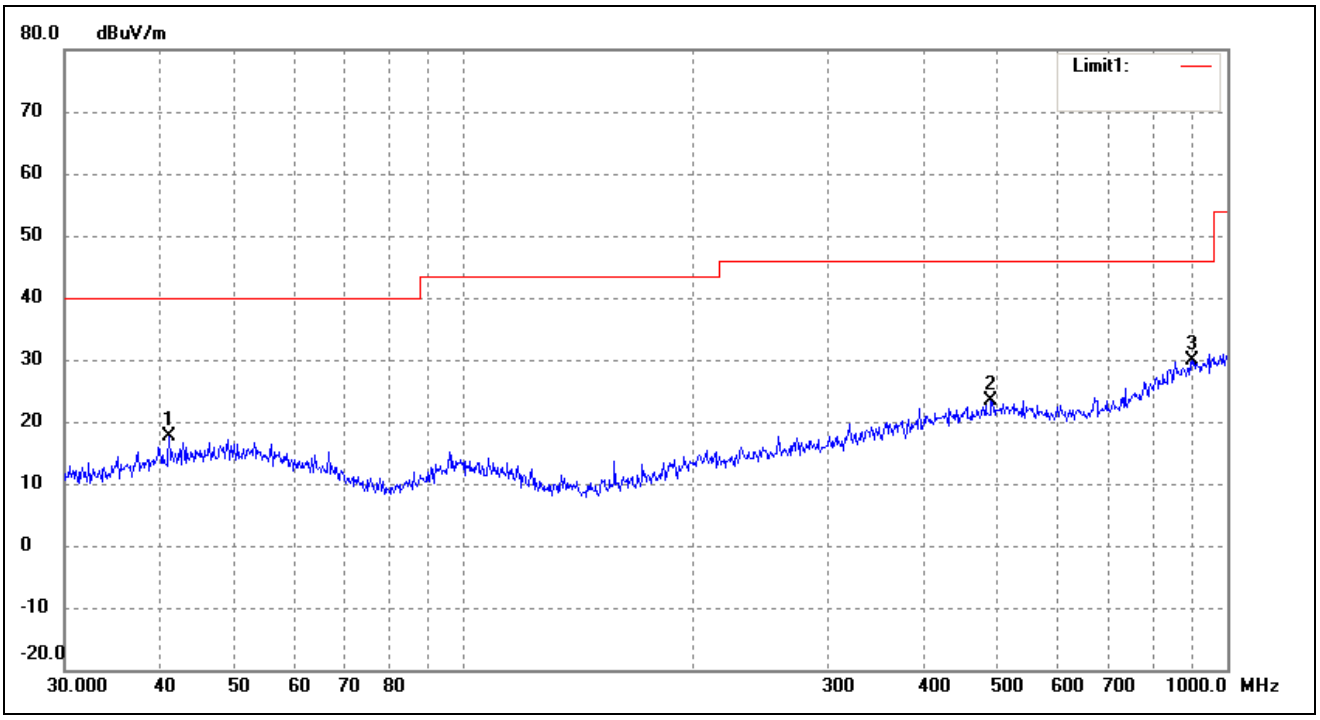
EUT: *Smart phone*
Tested Model: *Elite 6.0L*
Operating Condition: *802.11n-HT40 Transmitting Low Channel-2422MHz*
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	54.8348	23.04	-7.93	15.11	40.00	-24.89	260	100	peak
2	494.1984	22.02	-1.26	20.76	46.00	-25.24	120	200	peak
3	952.0937	21.23	5.96	27.19	46.00	-18.81	289	200	peak

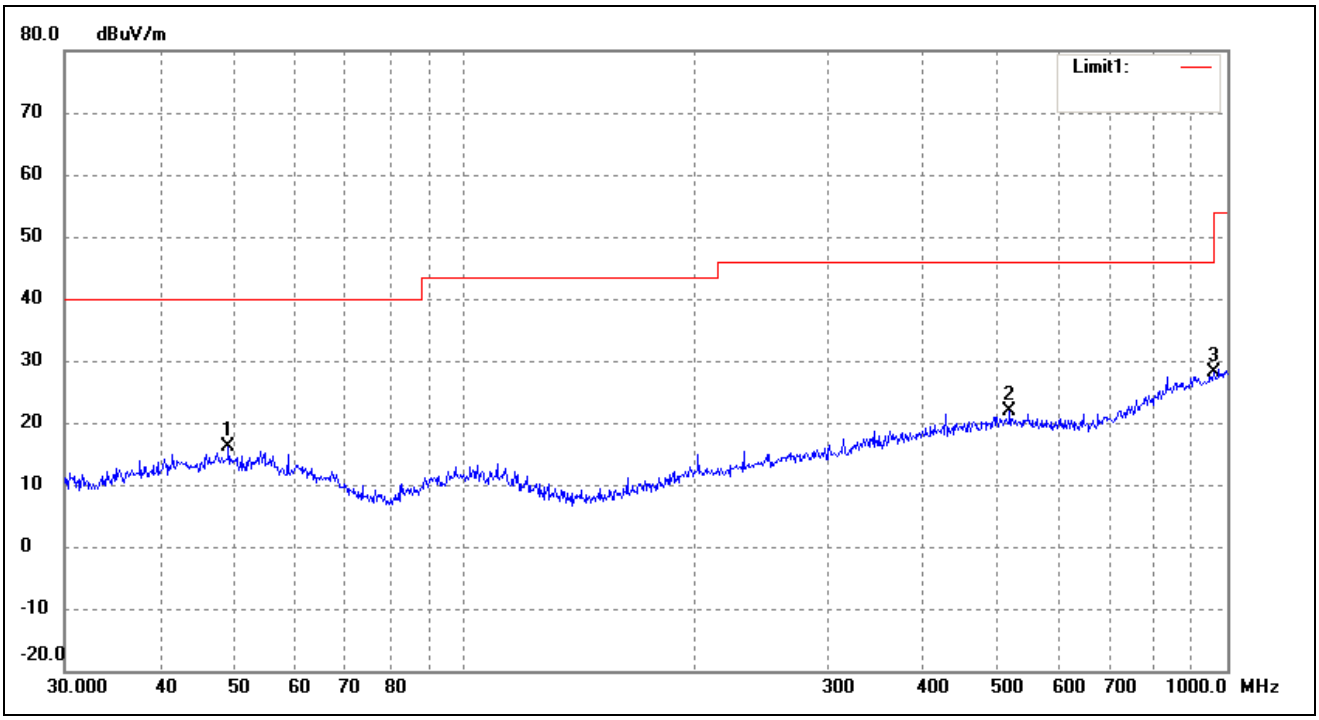
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	41.1320	25.84	-8.21	17.63	40.00	-22.37	130	100	peak
2	490.7447	24.76	-1.33	23.43	46.00	-22.57	120	100	peak
3	900.1474	24.56	5.38	29.94	46.00	-16.06	360	100	peak

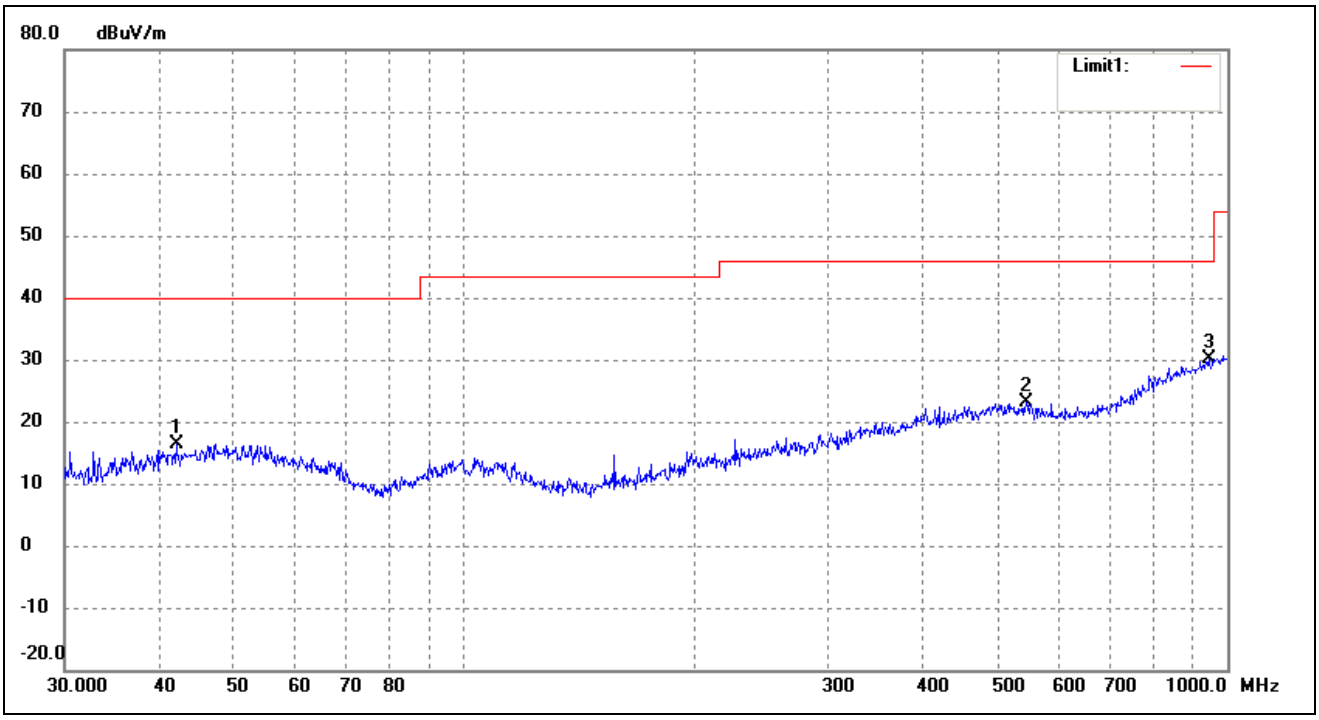
Operating Condition: *802.11n-HT40 Transmitting Middle Channel-2437MHz*
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	49.1866	23.48	-7.45	16.03	40.00	-23.97	274	100	peak
2	519.0649	23.02	-1.22	21.80	46.00	-24.20	130	100	peak
3	958.7943	22.08	6.06	28.14	46.00	-17.86	120	100	peak

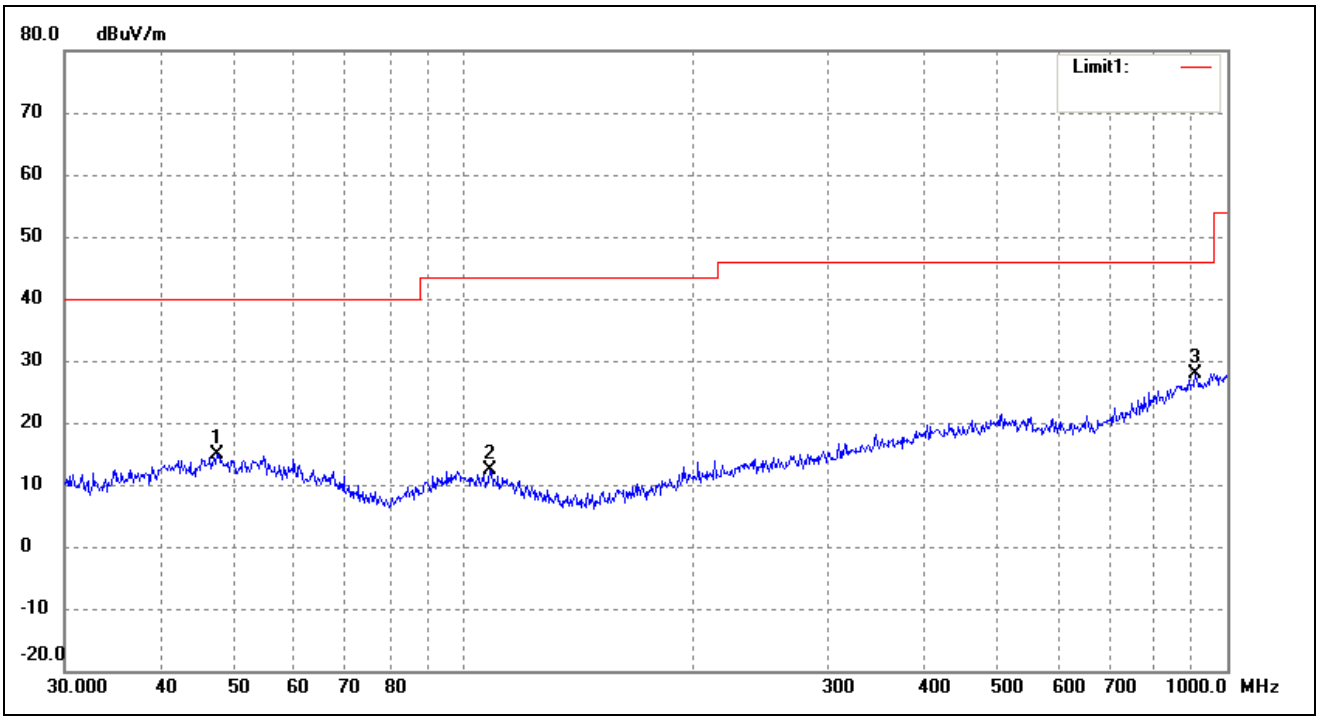
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	42.0066	24.55	-8.05	16.50	40.00	-23.50	360	100	peak
2	545.1826	23.10	0.02	23.12	46.00	-22.88	110	100	peak
3	945.4399	24.13	5.88	30.01	46.00	-15.99	120	100	peak

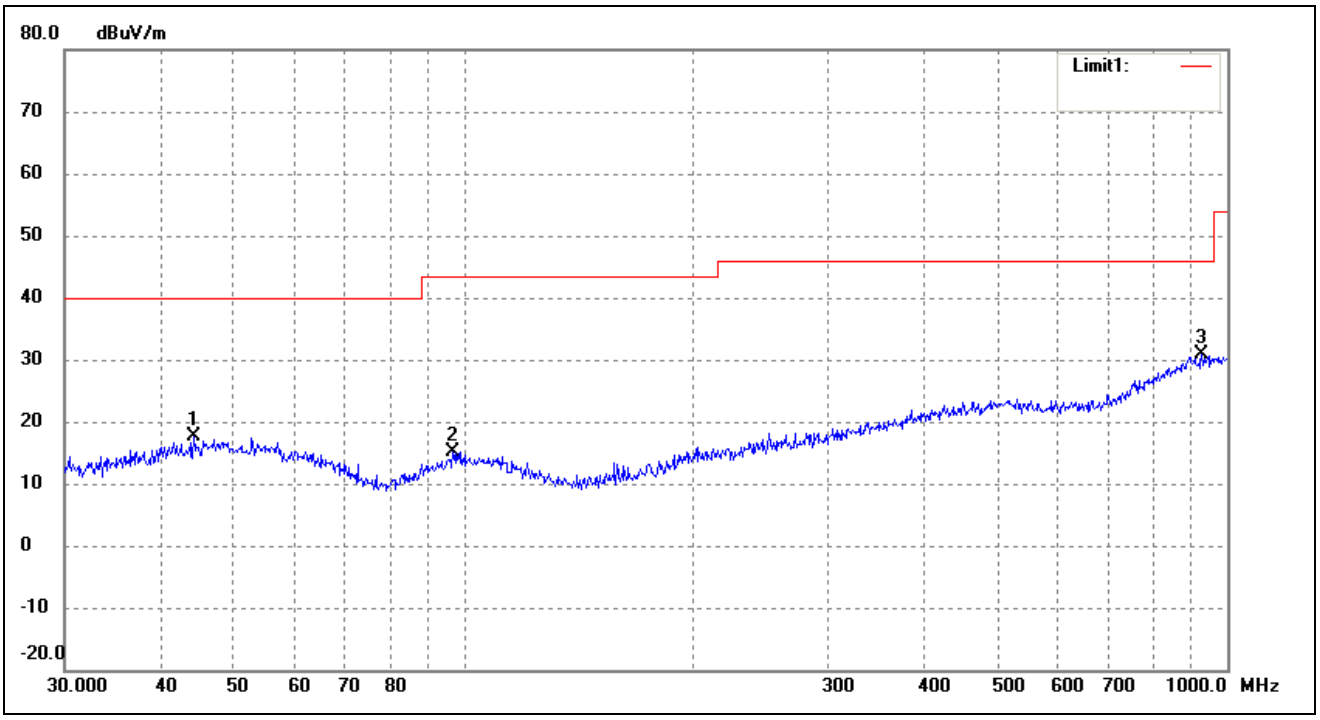
Operating Condition: *802.11n-HT40 Transmitting High Channel-2452MHz*
Comment: *Battery: DC3.8V*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	47.4918	22.38	-7.45	14.93	40.00	-25.07	360	100	peak
2	108.2667	21.86	-9.59	12.27	43.50	-31.23	138	100	peak
3	906.4824	22.37	5.45	27.82	46.00	-18.18	180	200	peak

Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	44.2752	25.36	-7.61	17.75	40.00	-22.25	270	100	peak
2	96.7749	24.98	-9.95	15.03	43.50	-28.47	120	100	peak
3	925.7563	25.24	5.66	30.90	46.00	-15.10	360	100	peak

Spurious Emissions Above 1GHz

Test Mode: 802.11b

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2412MHz							
4824.000	54.71	-3.87	50.84	74	-23.16	H	PK
4824.000	39.46	-3.87	35.59	54	-18.41	H	AV
7236.000	46.92	1.14	48.06	74	-25.94	H	PK
7236.000	35.60	1.19	36.79	54	-17.21	H	AV
4824.000	57.93	-3.86	54.07	74	-19.93	V	PK
4824.000	41.12	-3.86	37.26	54	-16.74	V	AV
7236.000	49.73	1.1	50.83	74	-23.17	V	PK
7236.000	38.06	1.1	39.16	54	-14.84	V	AV
Middle Channel-2437MHz							
4874.000	55.99	-3.74	52.25	74	-21.75	H	PK
4874.000	41.24	-3.74	37.5	54	-16.5	H	AV
7311.000	49.02	1.47	50.49	74	-23.51	H	PK
7311.000	34.35	1.47	35.82	54	-18.18	H	AV
4874.000	55.22	-3.74	51.48	74	-22.52	V	PK
4874.000	42.14	-3.74	38.4	54	-15.6	V	AV
7311.000	49.23	1.47	50.7	74	-23.3	V	PK
7311.000	35.33	1.47	36.8	54	-17.2	V	AV
High Channel-2462MHz							
4924.000	54.36	-3.59	50.77	74	-23.23	H	PK
4924.000	40.3	-3.59	36.71	54	-17.29	H	AV
7386.000	44.92	1.79	46.71	74	-27.29	H	PK
7386.000	33.37	1.79	35.16	54	-18.84	H	AV
4924.000	53.48	-3.59	49.89	74	-24.11	V	PK
4924.000	40.58	-3.59	36.99	54	-17.01	V	AV
7386.000	46.53	1.79	48.32	74	-25.68	V	PK
7386.000	33.72	1.79	35.51	54	-18.49	V	AV

Test Mode: 802.11g

Frequency (MHz)	Reading (dBuV)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polar H/V	Detector
Low Channel-2412MHz							
4824.000	56.12	-3.86	52.26	74	-21.74	H	PK
4824.000	42.85	-3.86	38.99	54	-15.01	H	AV
7236.000	49.04	1.1	50.14	74	-23.86	H	PK
7236.000	35.02	1.1	36.12	54	-17.88	H	AV
4824.000	56.61	-3.86	52.75	74	-21.25	V	PK
4824.000	43.27	-3.86	39.41	54	-14.59	V	AV
7236.000	49.84	1.1	50.94	74	-23.06	V	PK
7236.000	36.16	1.1	37.26	54	-16.74	V	AV
Middle Channel-2437MHz							
4874.000	56.35	-3.74	52.61	74	-21.39	H	PK
4874.000	44.53	-3.74	40.79	54	-13.21	H	AV
7311.000	48.63	1.47	50.1	74	-23.9	H	PK
7311.000	36.52	1.47	37.99	54	-16.01	H	AV
4874.000	58.32	-3.74	54.58	74	-19.42	V	PK
4874.000	45.11	-3.74	41.37	54	-12.63	V	AV
7311.000	49.65	1.47	51.12	74	-22.88	V	PK
7311.000	36.58	1.47	38.05	54	-15.95	V	AV
High Channel-2462MHz							
4924.000	55.21	-3.59	51.62	74	-22.38	H	PK
4924.000	41.96	-3.59	38.37	54	-15.63	H	AV
7386.000	48.39	1.79	50.18	74	-23.82	H	PK
7386.000	35.94	1.79	37.73	54	-16.27	H	AV
4924.000	57.32	-3.59	53.73	74	-20.27	V	PK
4924.000	43.9	-3.59	40.31	54	-13.69	V	AV
7386.000	49.79	1.79	51.58	74	-22.42	V	PK
7386.000	37.16	1.79	38.95	54	-15.05	V	AV

Test Mode: 802.11n-HT20

Frequency (MHz)	Reading (dBuV)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polar H/V	Detector
Low Channel-2412MHz							
4824.000	56.22	-3.86	52.36	74	-21.64	H	PK
4824.000	41.16	-3.86	37.30	54	-16.70	H	AV
7236.000	47.88	1.1	48.98	74	-25.02	H	PK
7236.000	35.06	1.1	36.16	54	-17.84	H	AV
4824.000	57.33	-3.86	53.47	74	-20.53	V	PK
4824.000	43.80	-3.86	39.94	54	-14.06	V	AV
7236.000	49.83	1.1	50.93	74	-23.07	V	PK
7236.000	36.39	1.1	37.49	54	-16.51	V	AV
Middle Channel-2437MHz							
4874.000	55.41	-3.74	51.67	74	-22.33	H	PK
4874.000	43.73	-3.74	39.99	54	-14.01	H	AV
7311.000	49.99	1.47	51.46	74	-22.54	H	PK
7311.000	34.35	1.47	35.82	54	-18.18	H	AV
4874.000	56.17	-3.74	52.43	74	-21.57	V	PK
4874.000	43.87	-3.74	40.13	54	-13.87	V	AV
7311.000	49.74	1.47	51.21	74	-22.79	V	PK
7311.000	36.45	1.47	37.92	54	-16.08	V	AV
High Channel-2462MHz							
4924.000	55.11	-3.59	51.52	74	-22.48	H	PK
4924.000	44.44	-3.59	40.85	54	-13.15	H	AV
7386.000	49.52	1.79	51.31	74	-22.69	H	PK
7386.000	37.31	1.79	39.1	54	-14.9	H	AV
4924.000	56.91	-3.59	53.32	74	-20.68	V	PK
4924.000	42.69	-3.59	39.1	54	-14.9	V	AV
7386.000	49.76	1.79	51.55	74	-22.45	V	PK
7386.000	36.57	1.79	38.36	54	-15.64	V	AV

Test Mode: 802.11n-HT40

Frequency (MHz)	Reading (dBuV)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polar H/V	Detector
Low Channel-2422MHz							
4844.000	53.87	-3.9	49.97	74	-24.03	H	PK
4824.000	38.87	-3.9	34.97	54	-19.03	H	AV
7266.000	47.10	1.06	48.16	74	-25.84	H	PK
7266.000	33.18	1.06	34.24	54	-19.76	H	AV
4844.000	54.84	-3.9	50.94	74	-23.06	V	PK
4824.000	40.04	-3.9	36.14	54	-17.86	V	AV
7266.000	49.43	1.06	50.49	74	-23.51	V	PK
7266.000	35.40	1.06	36.46	54	-17.54	V	AV
Middle Channel-2437MHz							
4874.000	53.78	-3.74	50.04	74	-23.96	H	PK
4874.000	39.13	-3.74	35.39	54	-18.61	H	AV
7311.000	46.13	1.47	47.6	74	-26.4	H	PK
7311.000	33.28	1.47	34.75	54	-19.25	H	AV
4874.000	54.99	-3.74	51.25	74	-22.75	V	PK
4874.000	41.2	-3.74	37.46	54	-16.54	V	AV
7311.000	47.03	1.47	48.5	74	-25.5	V	PK
7311.000	35.25	1.47	36.72	54	-17.28	V	AV
High Channel-2452MHz							
4904.000	53.86	-3.63	50.23	74	-23.77	H	PK
4904.000	40.58	-3.63	36.95	54	-17.05	H	AV
7356.000	46.84	1.62	48.46	74	-25.54	H	PK
7356.000	31.94	1.62	33.56	54	-20.44	H	AV
4904.000	56.05	-3.63	52.42	74	-21.58	V	PK
4904.000	42.04	-3.63	38.41	54	-15.59	V	AV
7356.000	49.39	1.62	51.01	74	-22.99	V	PK
7356.000	36.33	1.62	37.95	54	-16.05	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 v03r04, 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 v03r04, 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 ≥ 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

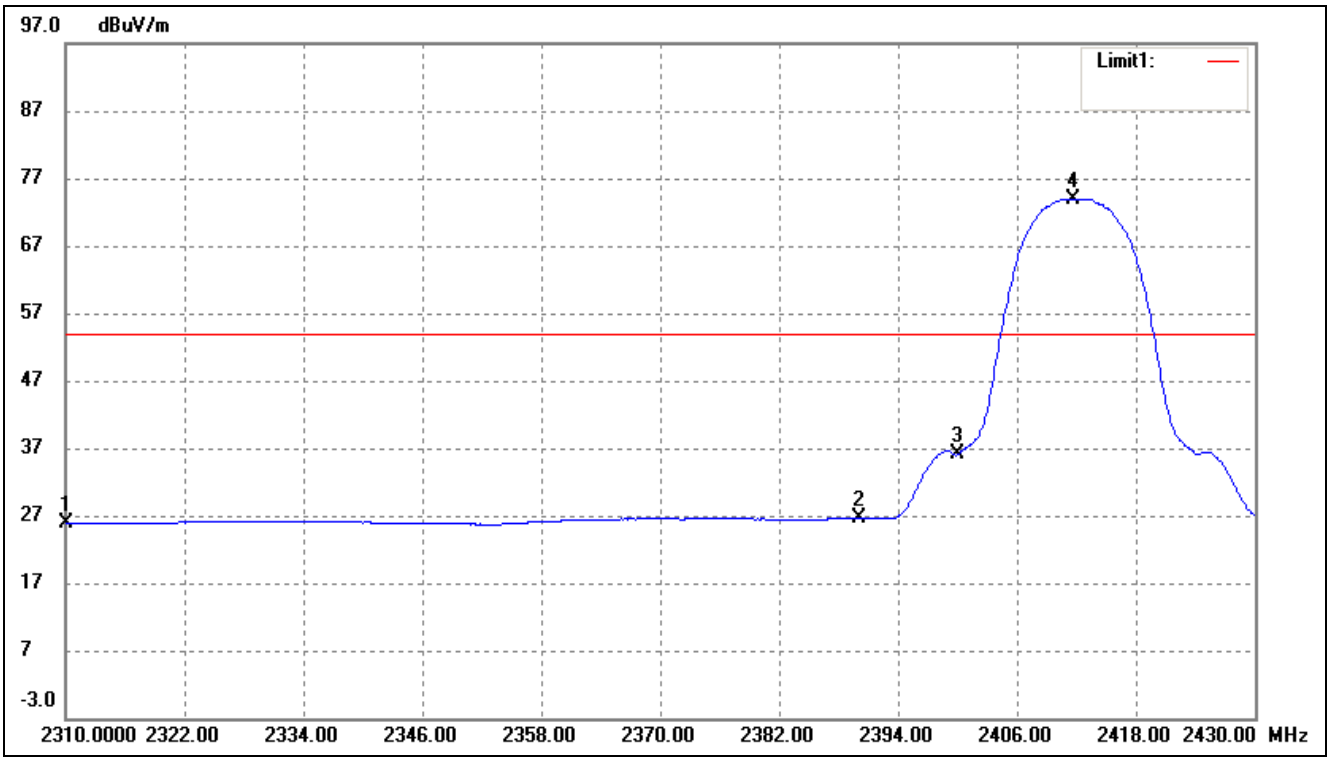
Temperature:	23°C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

9.4 Summary of Test Results/Plots

Please refer to the test plots as below.

802.11b-Lowest Bandedge

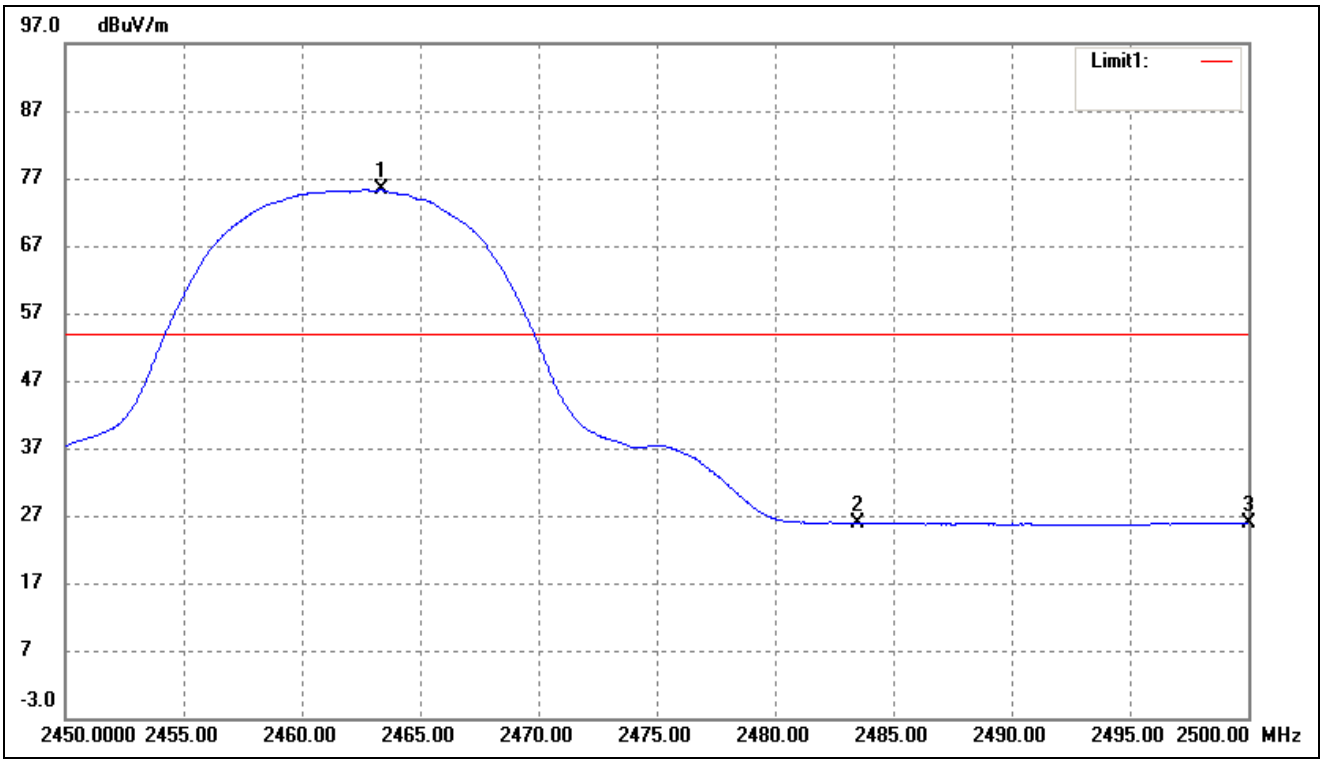
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	dB	(dBuV/m)	(dBuV/m)	(dB)	
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

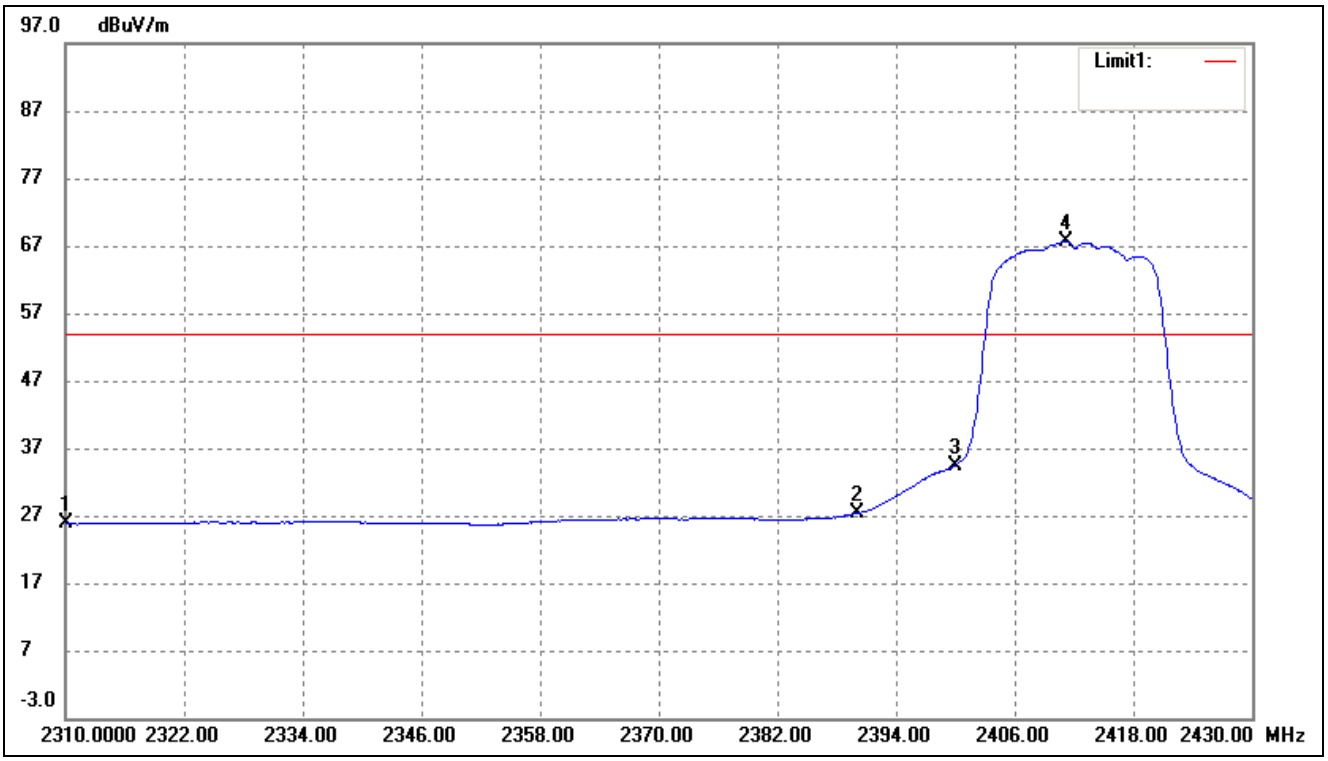
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	dB	(dBuV/m)	(dBuV/m)	(dB)	
1	2463.350	78.63	-3.36	75.27	/	/	Average Detector
	2463.300	87.31	-3.36	83.95	/	/	Peak Detector
2	2483.500	Delta = 48.17dBc		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

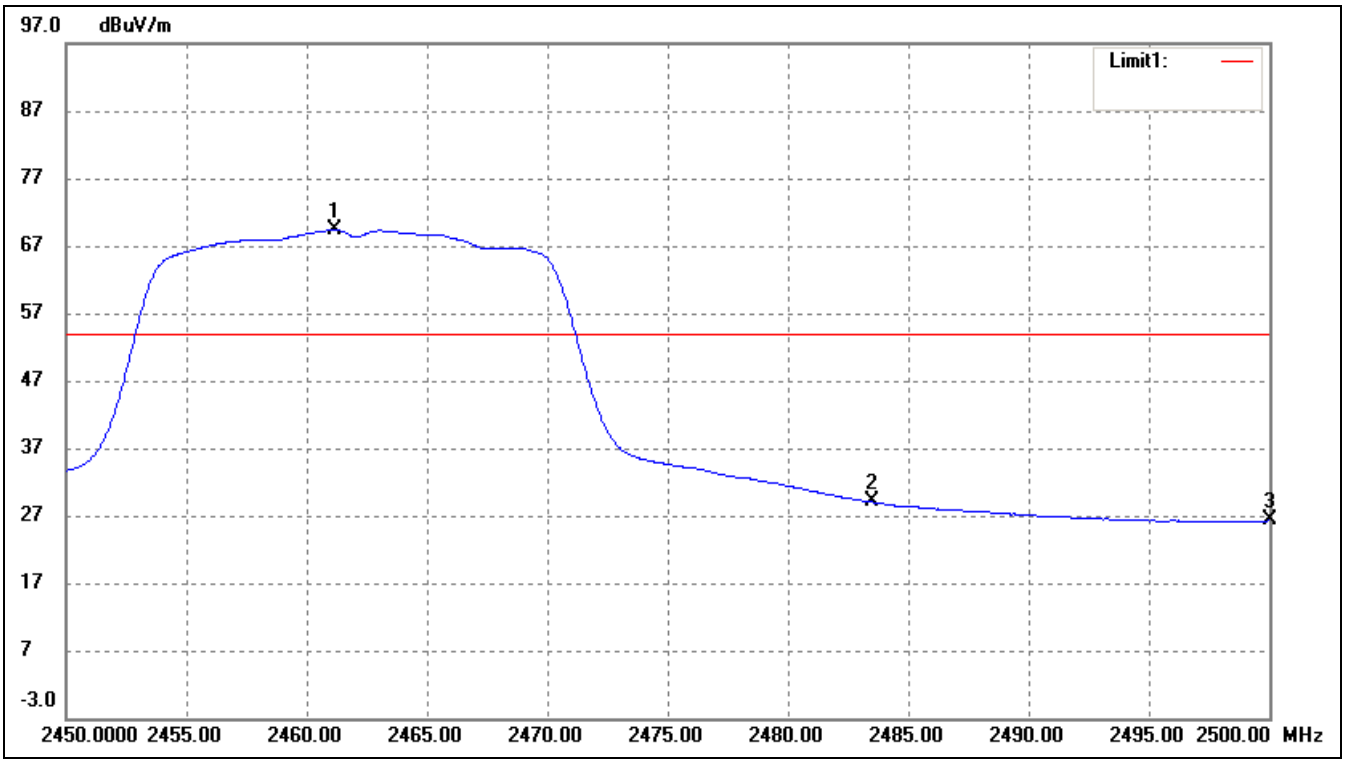
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	dB	(dBuV/m)	(dBuV/m)	(dB)	
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

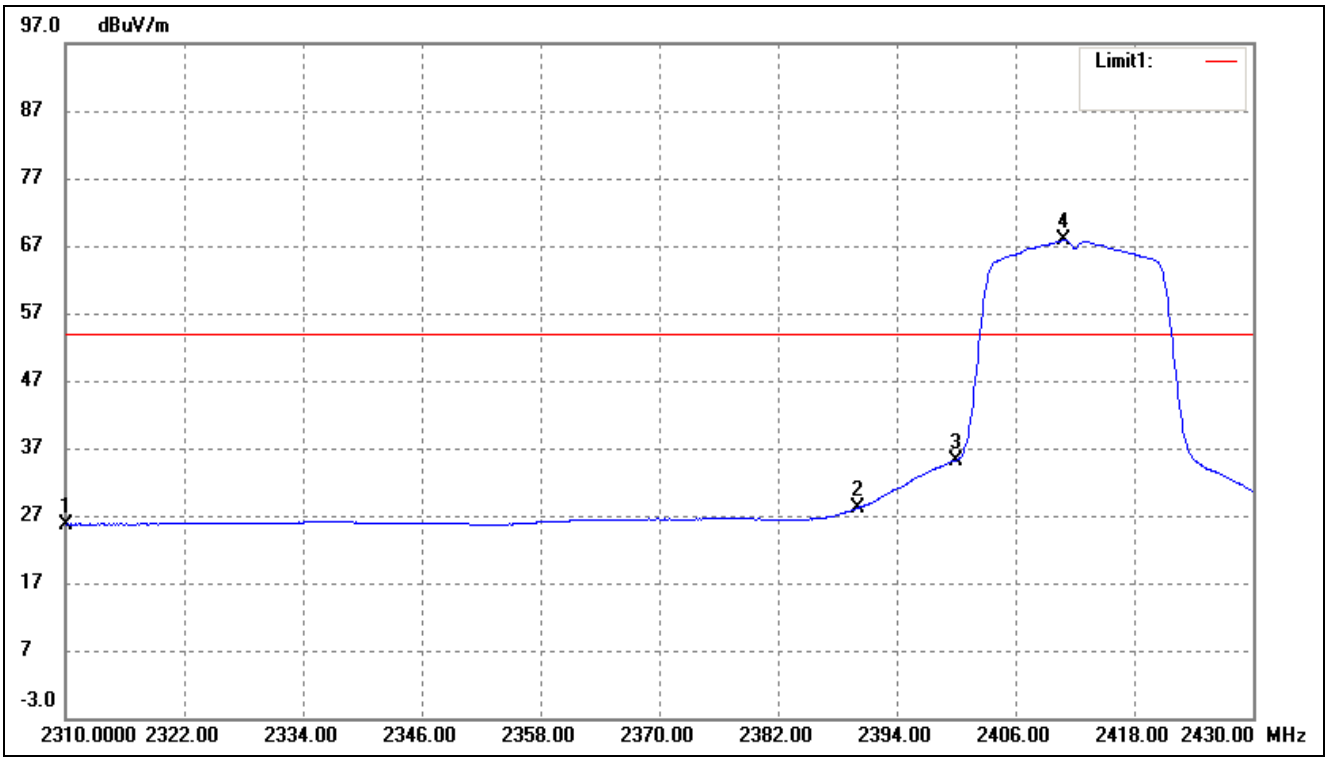
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	dB	(dBuV/m)	(dBuV/m)	(dB)	
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

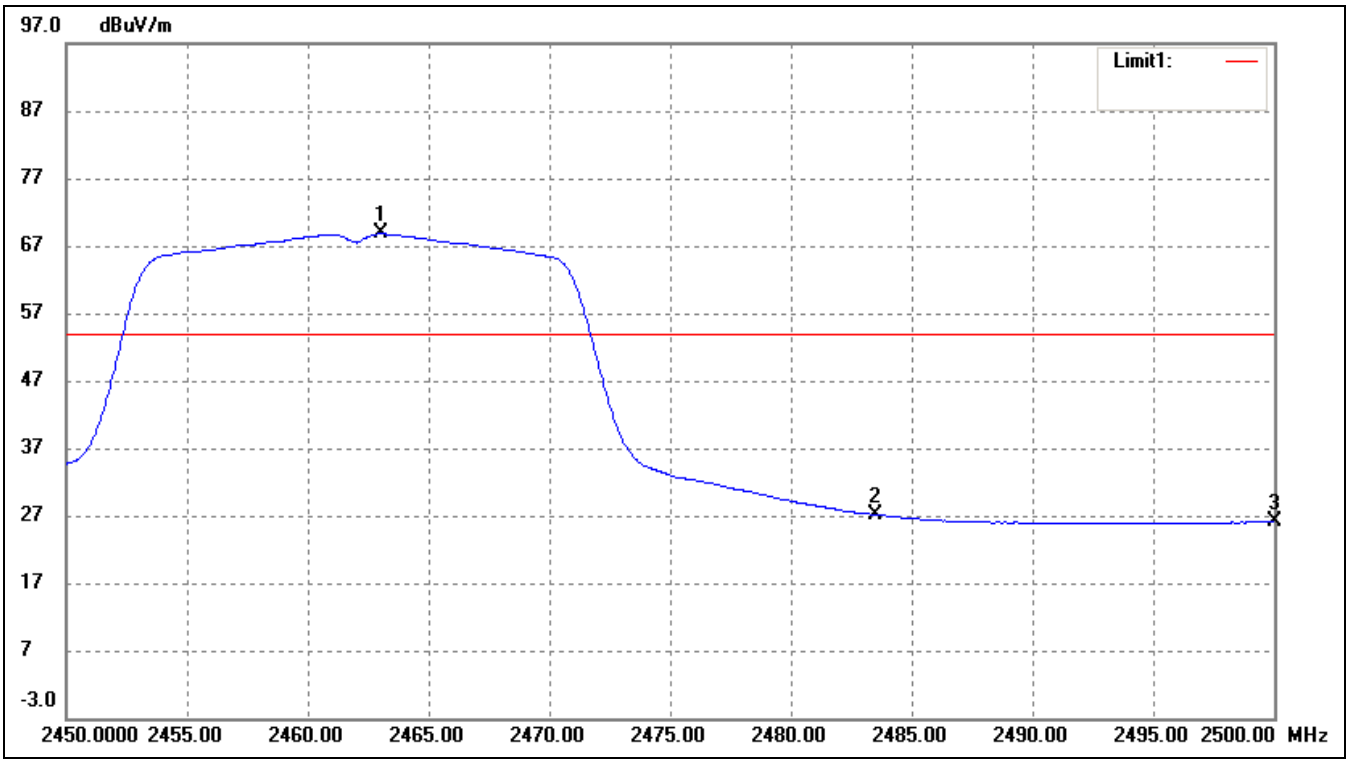
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	dB	(dBuV/m)	(dBuV/m)	(dB)	
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

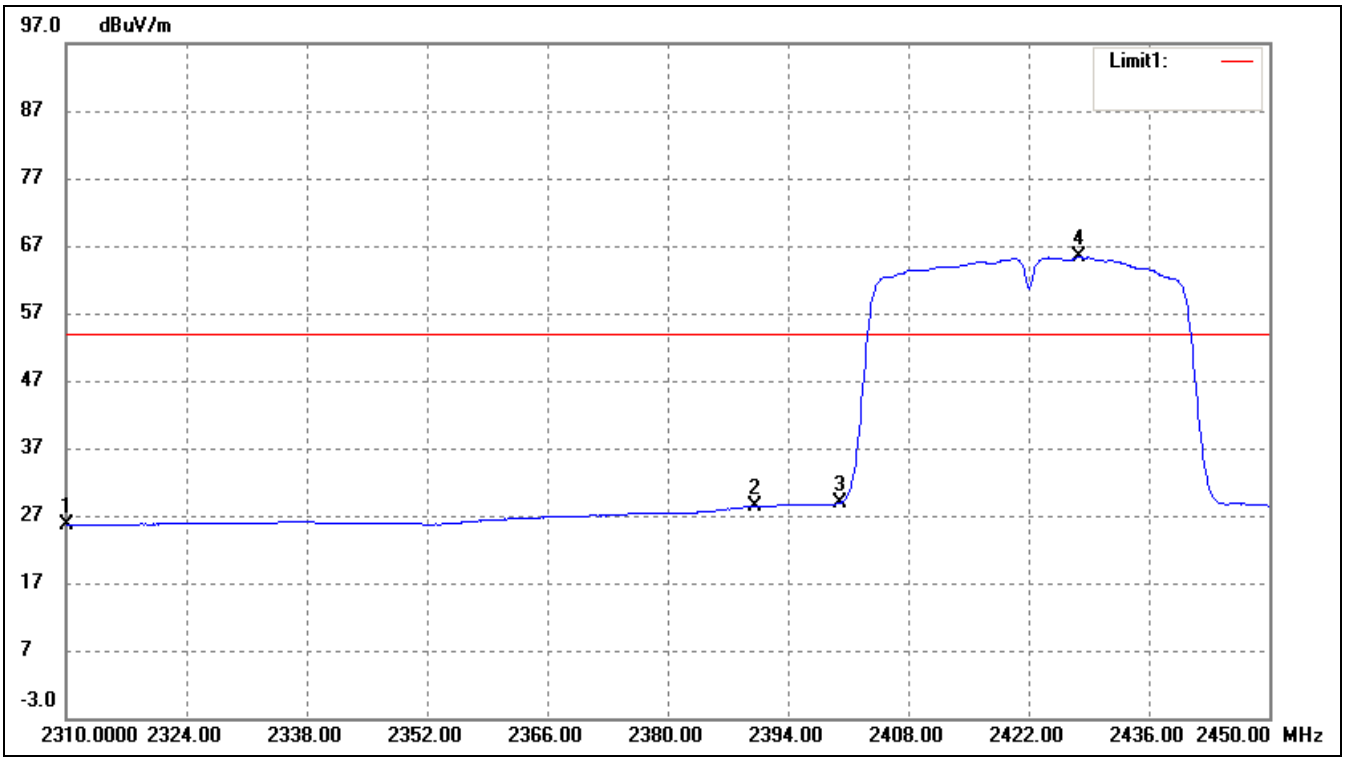
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	dB	(dBuV/m)	(dBuV/m)	(dB)	
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

802.11n-HT40-Lowest Bandedge

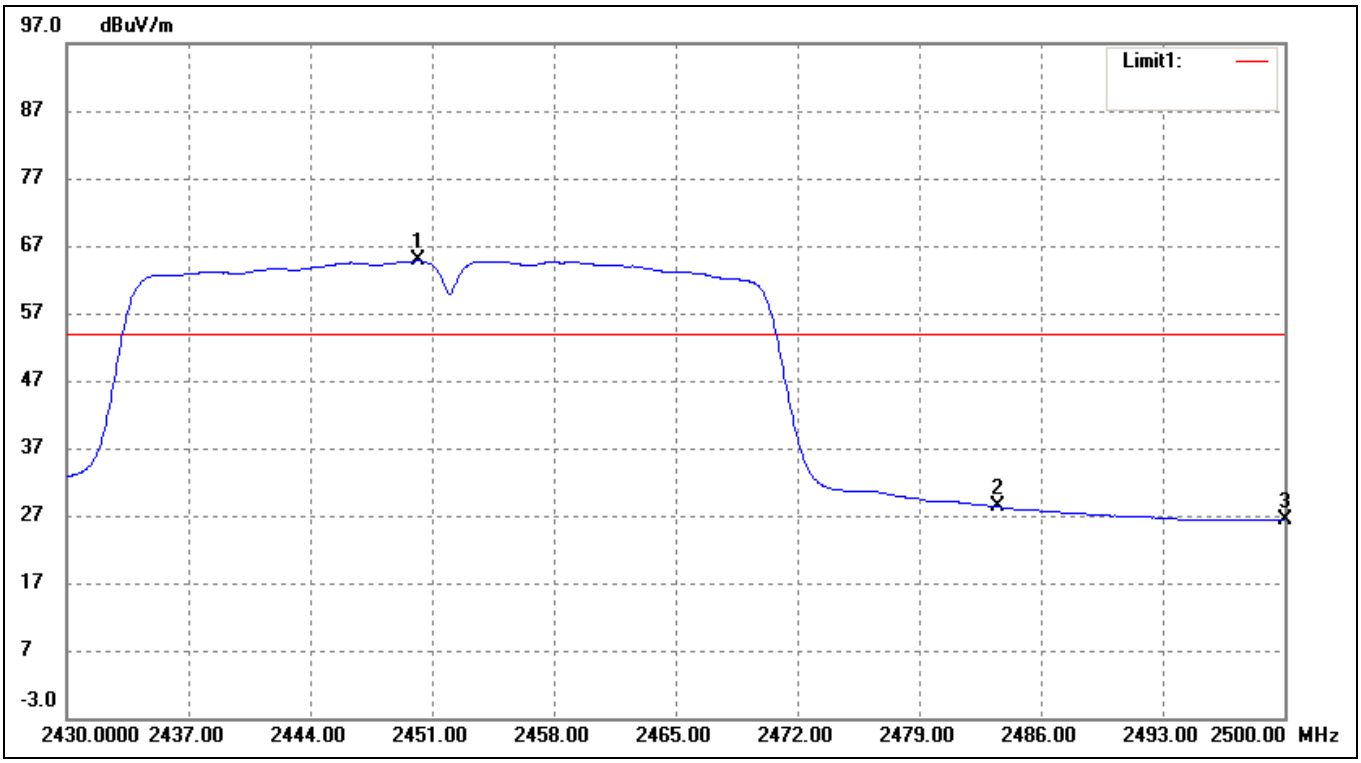
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	dB	(dBuV/m)	(dBuV/m)	(dB)	
1	2310.000	29.39	-3.71	25.68	54.00	-28.32	Average Detector
	2310.000	41.49	-3.71	37.78	74.00	-36.22	Peak Detector
2	2390.000	31.91	-3.54	28.37	54.00	-25.63	Average Detector
	2390.000	46.93	-3.54	43.39	74.00	-30.61	Peak Detector
3	2400.000	32.40	-3.51	28.89	Delta =36.44dBc		Average Detector
4	2427.880	68.79	-3.46	65.33			Average Detector

802.11n-HT40-Highest Bandedge

Vertical (Worst case)



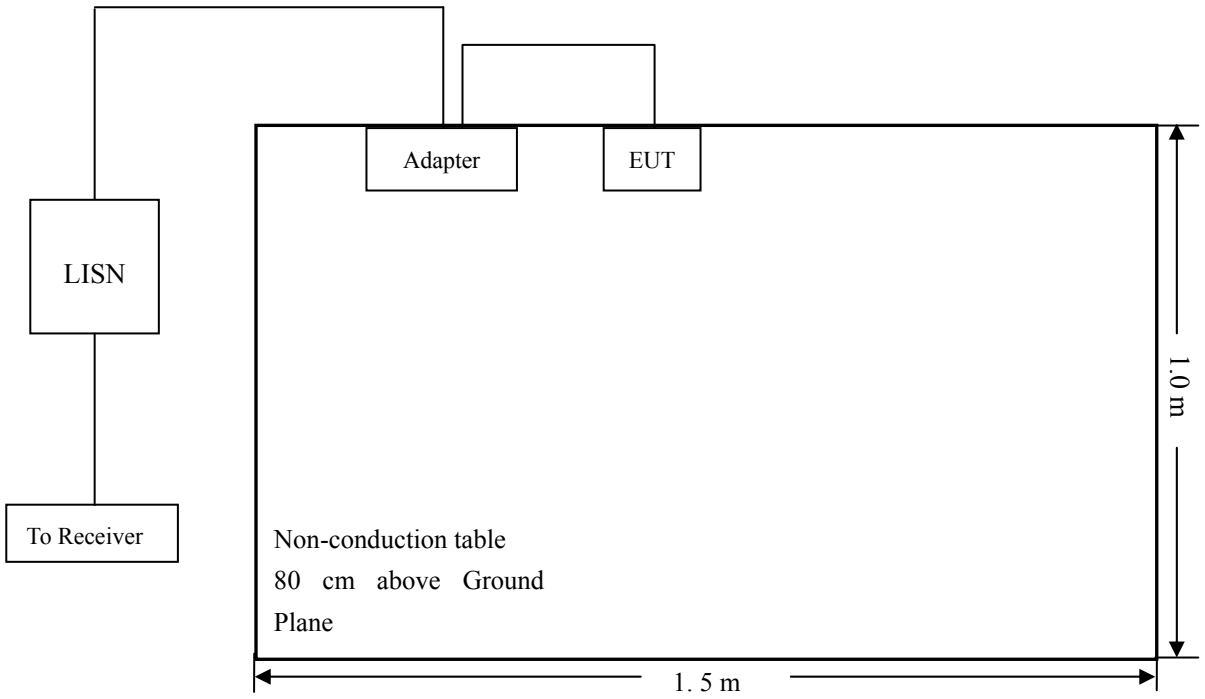
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	dB	(dBuV/m)	(dBuV/m)	(dB)	
1	2450.230	68.17	-3.40	64.77	/	/	Average Detector
	2455.270	79.49	-3.38	76.11	/	/	Peak Detector
2	2483.500	Delta = 36.98dBc		27.79	54.00	-26.21	Average Detector
	2483.500			39.13	74.00	-34.87	Peak Detector
3	2500.000	29.65	-3.28	26.37	54.00	-27.63	Average Detector
	2500.000	43.75	-3.28	40.47	74.00	-33.53	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 10.7, the EUT complied with the FCC Part 15.207 Conducted margin for this device, with the *worst* margin reading of:

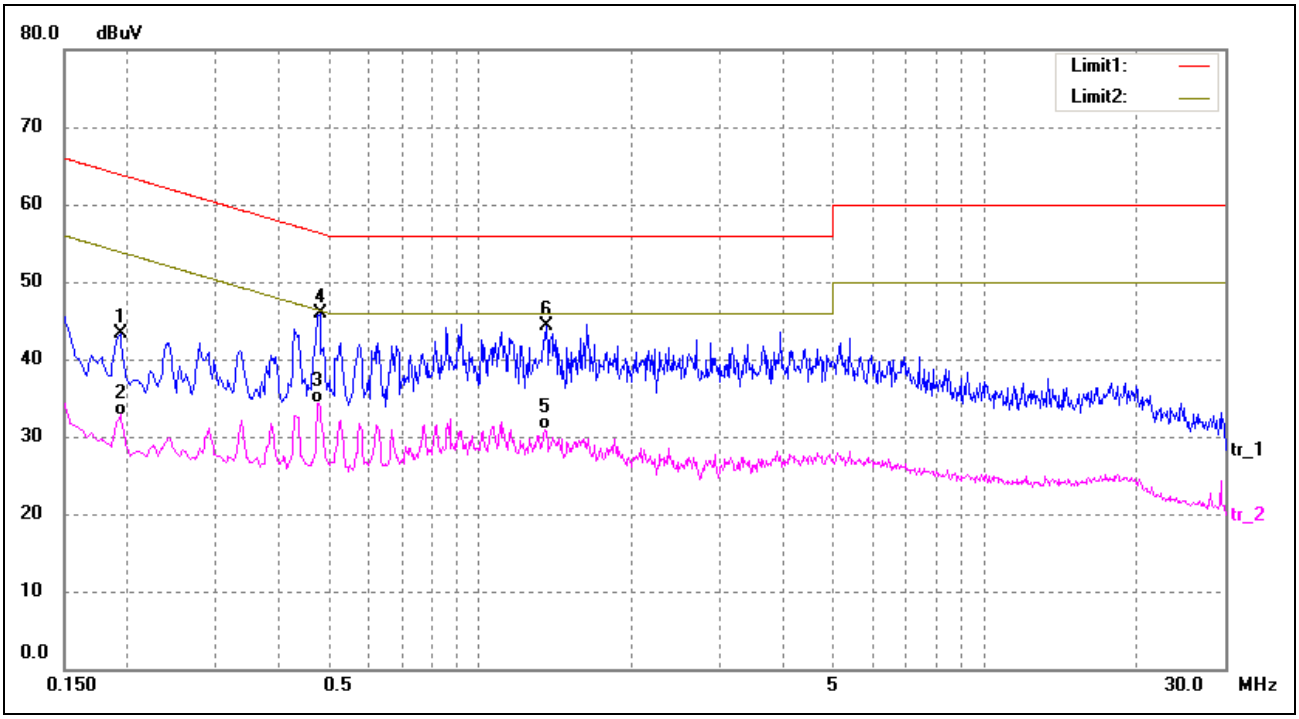
-7.72 dB at **0.4900 MHz** in the **Line, peak** detector, 0.15-30MHz

10.6 Conducted Emissions Test Data

Plot of Conducted Emissions Test Data

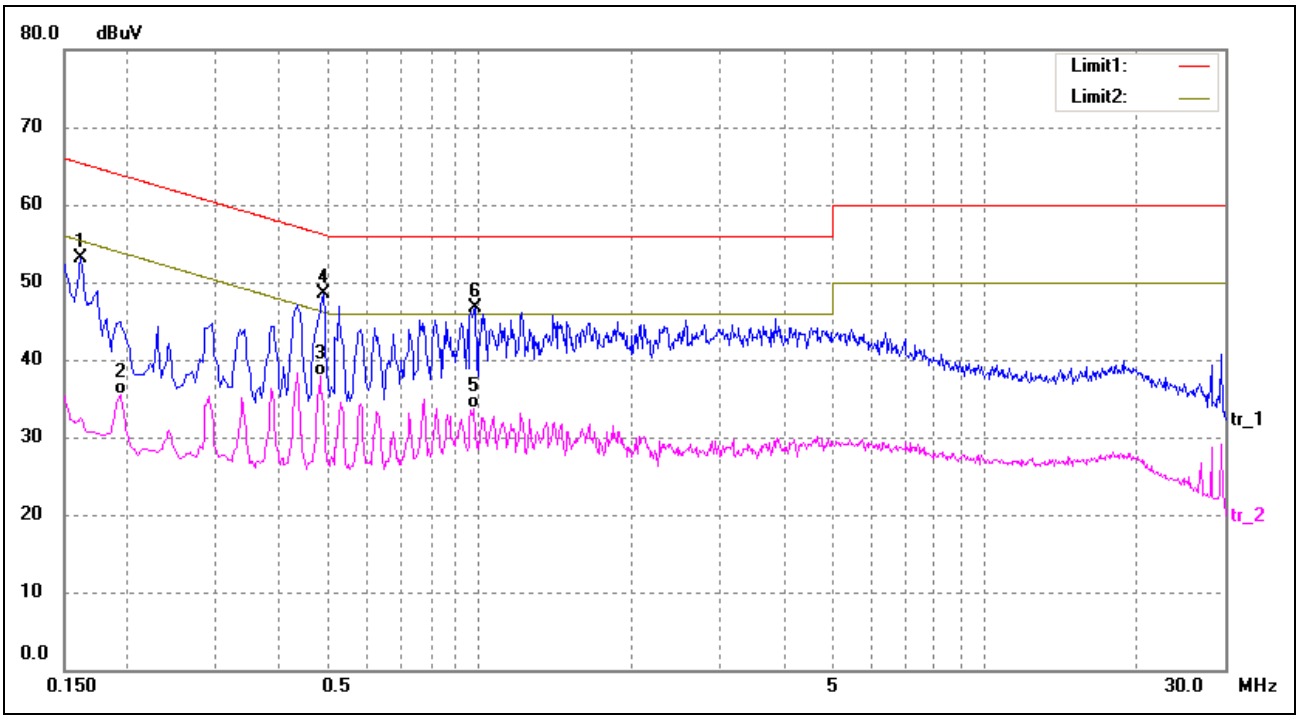
EUT: *Smart phone*
Tested Model: *Elite 6.0L*
Operating Condition: *(WIFI)Transmitting*
Comment: *AC 120V/60Hz; Adapter DC 5V*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1940	35.52	7.86	43.38	63.86	-20.48	peak
2	0.1940	24.94	7.86	32.80	53.86	-21.06	AVG
3	0.4780	26.78	7.50	34.28	46.37	-12.09	AVG
4*	0.4820	38.40	7.50	45.90	56.30	-10.40	peak
5	1.3500	19.86	11.00	30.86	46.00	-15.14	AVG
6	1.3540	33.34	11.00	44.34	56.00	-11.66	peak

Test Specification: *Line*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1620	43.35	9.78	53.13	65.36	-12.23	peak
2	0.1940	27.64	7.86	35.50	53.86	-18.36	AVG
3	0.4820	30.45	7.50	37.95	46.30	-8.35	AVG
4*	0.4900	40.95	7.50	48.45	56.17	-7.72	peak
5	0.9740	22.93	10.82	33.75	46.00	-12.25	AVG
6	0.9820	35.91	10.87	46.78	56.00	-9.22	peak

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