FCC Part 15C
Measurement and Test Report

For

ARB Corporation Ltd

42-44 Garden St, Kilsyth, Victoria, Australia

FCC ID: 2AA2H-LINXD2

FCC Rule(s):	FCC Part 15C
Product Description:	ARB LINX
Tested Model:	7450502
Report No.:	STR18018138I-3
Sample Receipt Date:	2018-01-12
Tested Date:	2018-01-13 to 2018-02-06
Issued Date:	2018-02-06
Tested By:	Mike Shi / Engineer
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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant:	ARB Corporation Ltd
Address of applicant:	42-44 Garden St, Kilsyth, Victoria, Australia
Manufacturer:	ZXD Technology Development Limited
Address of manufacturer:	Unit 415-418, Building C, Baoan New Generation Technology Information Industry Park, Baoan District, Shenzhen, P.R.China

General Description of EUT	
Product Name:	ARB LINX
Trade Name:	ARB
Model No.:	7450502
Adding Model(s):	/
Rated Voltage:	DC 3.8V by Battery
Battery:	2000mAh
Power Adapter Model:	/
Software Version:	F509C-G508-3-LA-V1.0.3
Hardware Version:	WMFDc
Note: The test data is gathered from a production sample provided by the manufacturer.	

Technical Characteristics of EUT	
Support Standards:	802.11b, 802.11g, 802.11n
Frequency Range:	2412-2462MHz for 802.11b/g/n(HT20) 2422-2452MHz for 802.11n(HT40)
RF Output Power:	16.26dBm (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 Gain:	0.75dBi
Lowest Internal Frequency:	26MHz

1.2 Test Standards

The following report is prepared on behalf of the ARB Corporation 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 v04 for digital transmission systems shall be performed also.

1.4 Test Facility

FCC – Registration No.: 125990

Shenzhen SEM Test Technology Co., Ltd. Laboratory has been recognized to perform compliance testing on equipment subject to the Commissions Declaration Of Conformity (DOC). The Designation Number is CN5010, and Test Firm Registration Number is 125990.

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.

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, with a duty cycle equal to 100%, 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
Note: All test modes (different data rate and different modulation) are performed, but only the worst case is recorded in this report.		

Accessories Equipment List and Details			
Description	**Manufacturer**	**Model No.**	**Serial Number**
Adapter	Dell lnc.	PSAI10R-050Q	/
/	/	/	/
Accessories Cable List and Details			
Cable Description	**Length (m)**	**Shielded/Unshielded**	**With Core/Without Core**
USB Cable	1.2	Unshielded	Without Core
Earphone Cable	1.2	Unshielded	Without Core
EUT Cable List and Details			
Cable Description	**Length (m)**	**Shielded/Unshielded**	**With Core/Without Core**
/	/	/	/

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 Spurious Emission	Conducted	±2.17dB
Conducted Emissions	Conducted	9-150kHz ±3.74dB
		0.15-30MHz ±3.34dB
Transmitter Spurious Emissions	Radiated	30-200MHz ±4.52dB
		0.2-1GHz ±5.56dB
		1-6GHz ±3.84dB
		6-18GHz ±3.92dB

1.7 Test Equipment List and Details

No.	Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
SEMT-1072	Spectrum Analyzer	Agilent	E4407B	MY41440400	2017-06-12	2018-06-11
SEMT-1031	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2017-06-12	2018-06-11
SEMT-1007	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2017-06-12	2018-06-11
SEMT-1008	Amplifier	Agilent	8447F	3113A06717	2017-06-12	2018-06-11
SEMT-1043	Amplifier	C&D	PAP-1G18	2002	2017-06-12	2018-06-11
SEMT-1011	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2017-06-08	2018-06-07
SEMT-1042	Horn Antenna	ETS	3117	00086197	2017-06-08	2018-06-07
SEMT-1121	Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170582	2017-06-08	2018-06-07
SEMT-1069	Loop Antenna	Schwarz beck	FMZB 1516	9773	2017-06-08	2018-06-07
SEMT-1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2017-06-12	2018-06-11
SEMT-1003	L.I.S.N	Schwarz beck	NSLK8126	8126-224	2017-06-12	2018-06-11
SEMT-1002	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2017-06-12	2018-06-11
SEMT-1168	Pre-amplifier	Direction Systems Inc.	PAP-0126	14141-12838	2017-08-15	2018-08-14
SEMT-1169	Pre-amplifier	Direction Systems Inc.	PAP-2640	14145-14153	2017-08-15	2018-08-14
SEMT-1163	Spectrum Analyzer	Rohde & Schwarz	FSP40	100612	2017-06-12	2018-06-11
SEMT-1170	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2017-03-09	2018-03-08

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 v04, 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

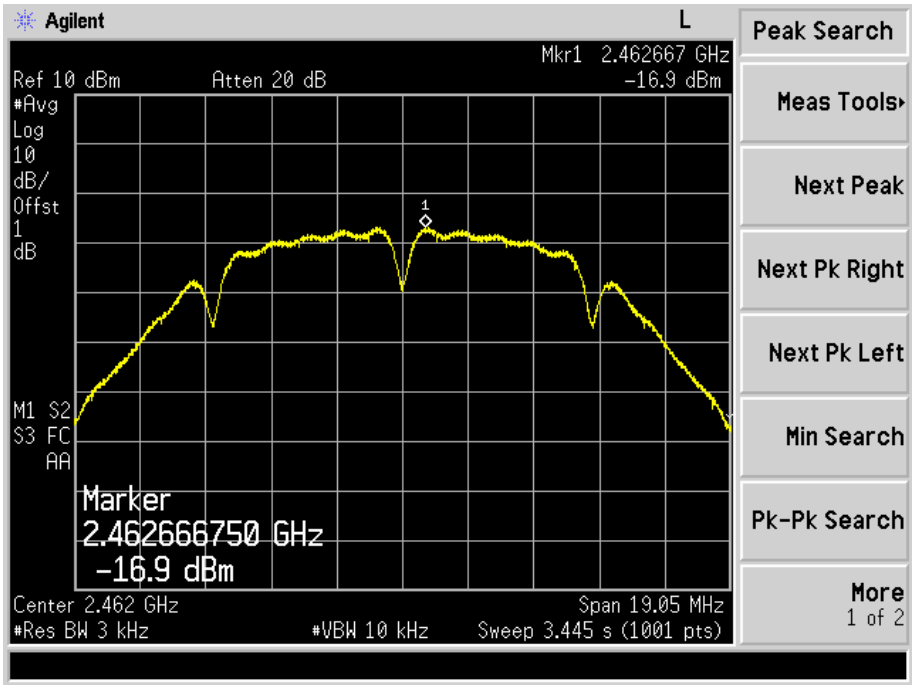
Temperature:	26° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

5.4 Summary of Test Results/Plots

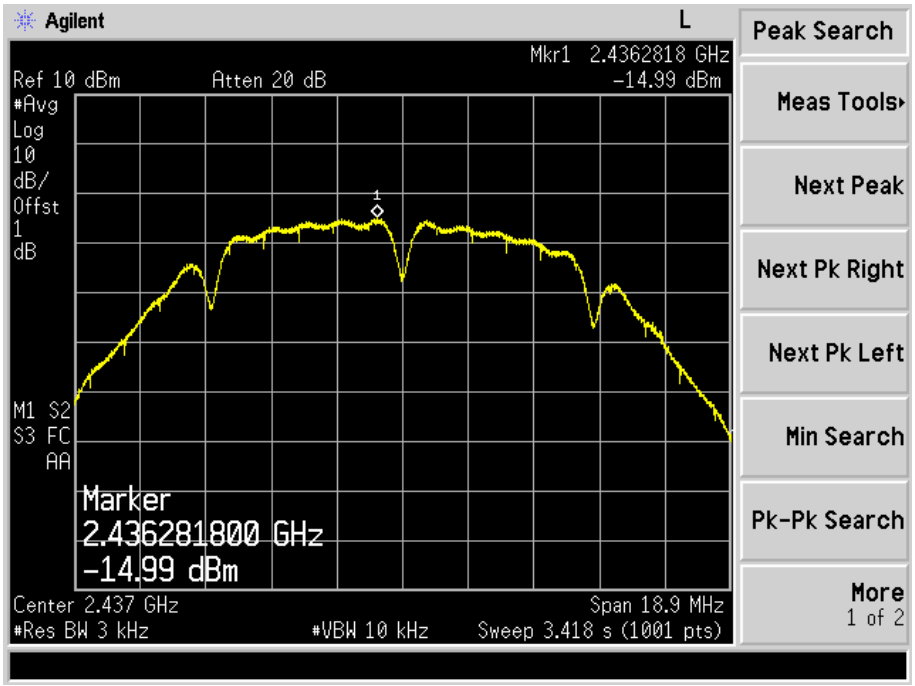
Test Mode	Test Channel MHz	Power Spectral Density dBm/3kHz	Limit dBm/3kHz
802.11b	2412	-16.90	8
	2437	-14.99	8
	2462	-17.01	8
802.11g	2412	-19.66	8
	2437	-19.45	8
	2462	-21.02	8
802.11n HT20	2412	-20.64	8
	2437	-18.81	8
	2462	-21.13	8
802.11n HT40	2422	-21.98	8
	2437	-21.99	8
	2452	-23.99	8

Please refer to the following test plots:

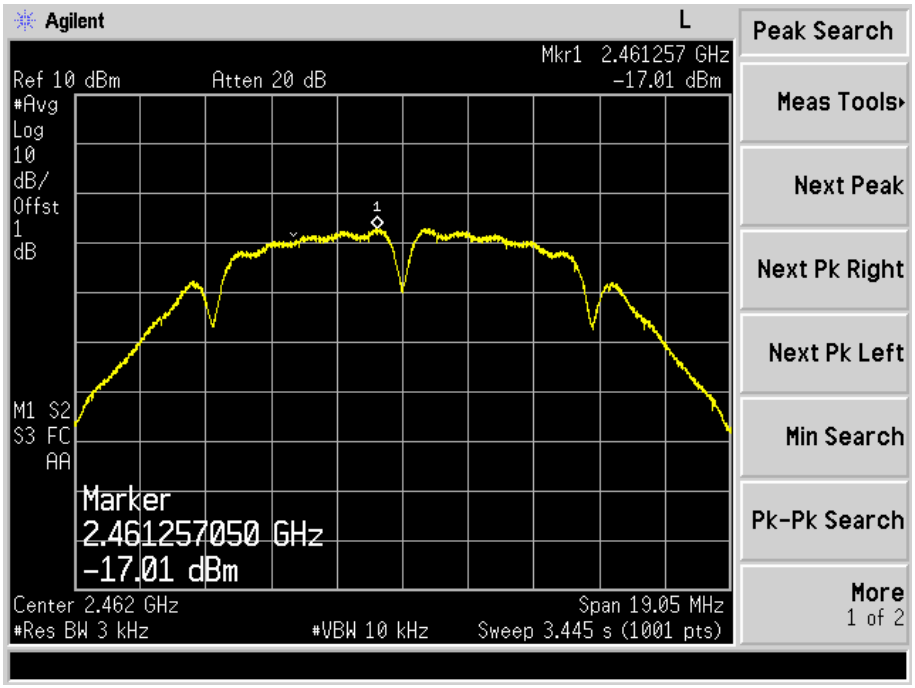
802.11b-Low Channel



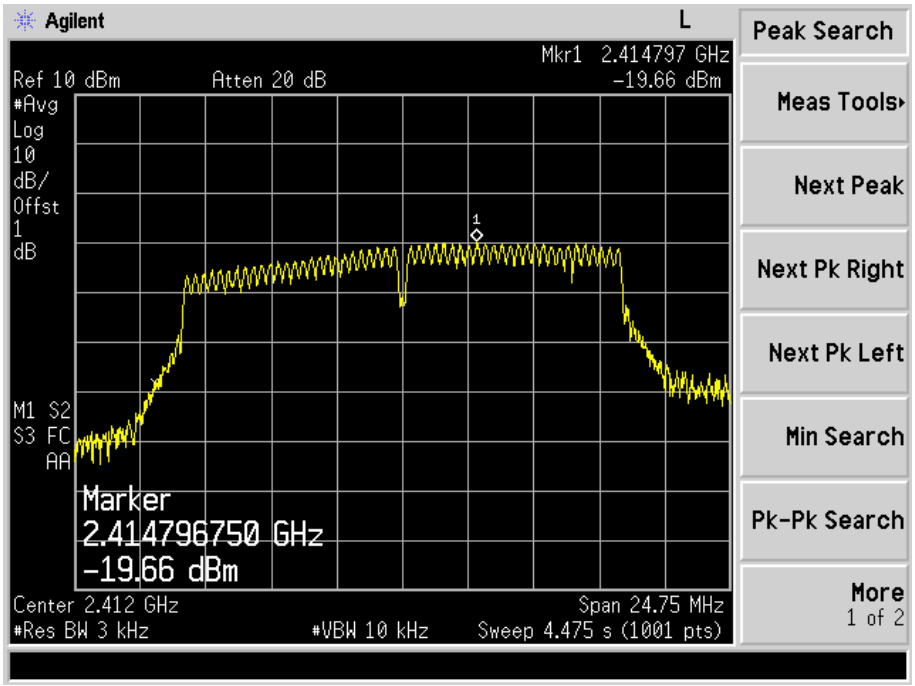
802.11b-Middle Channel



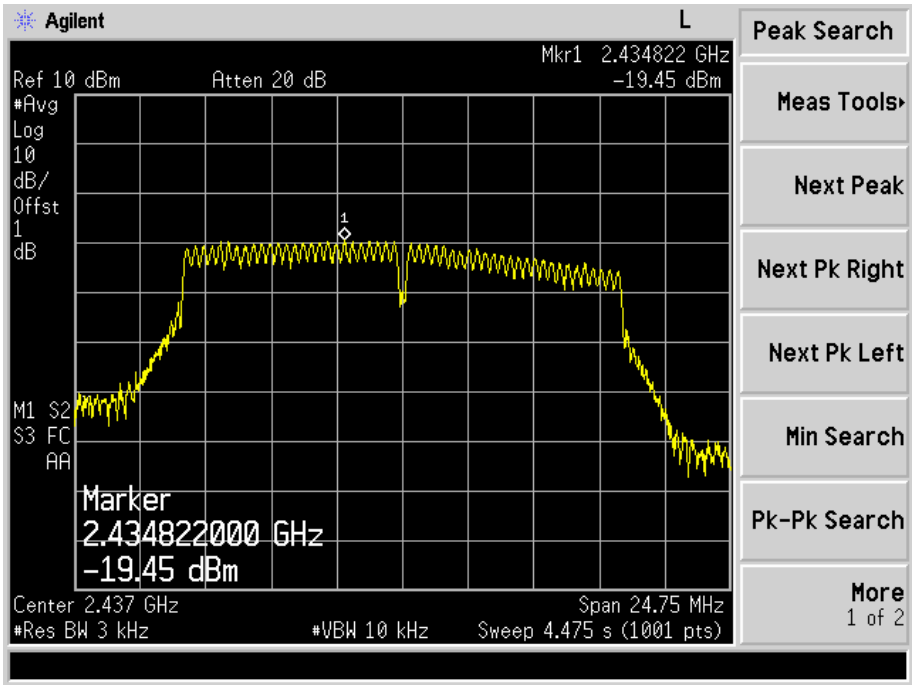
802.11b-High Channel



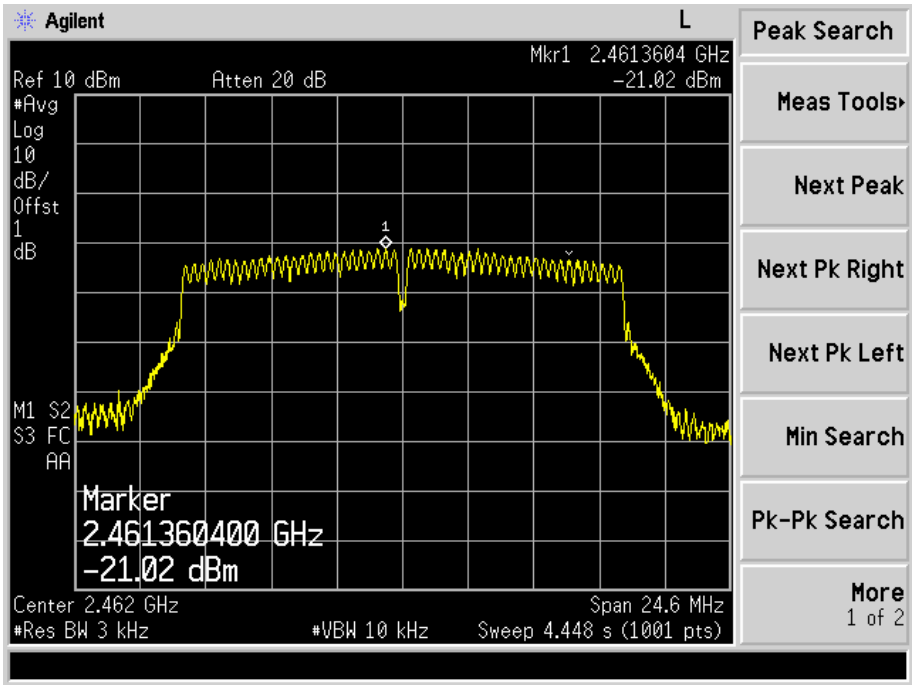
802.11g-Low Channel



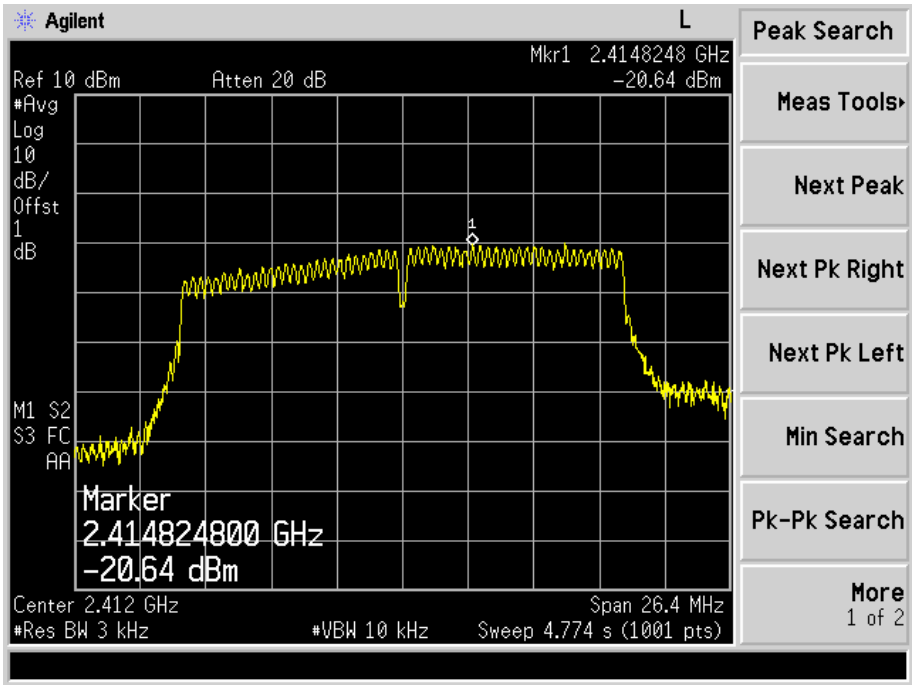
802.11g-Middle Channel



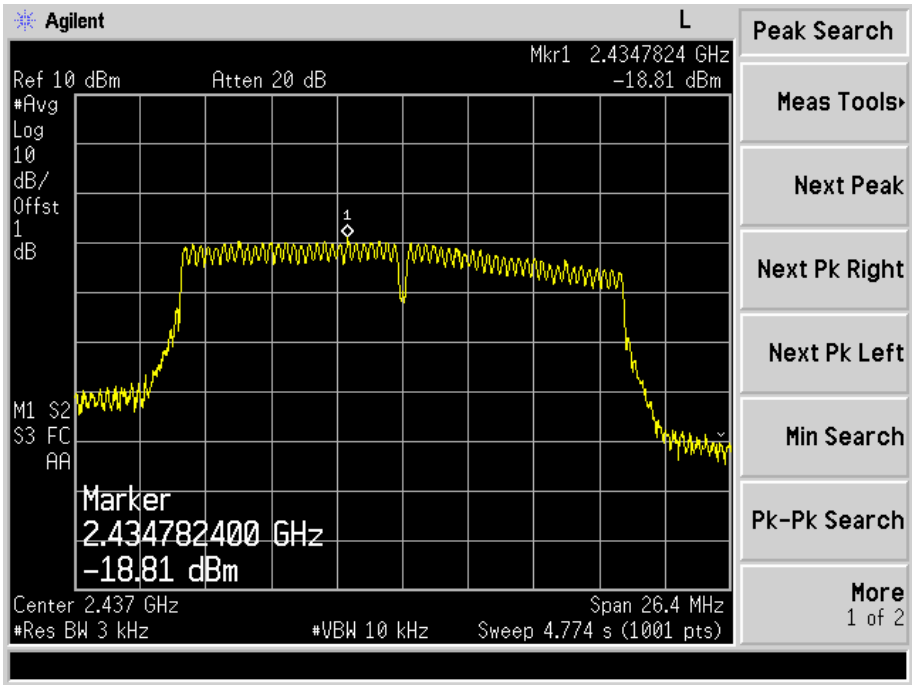
802.11g-High Channel



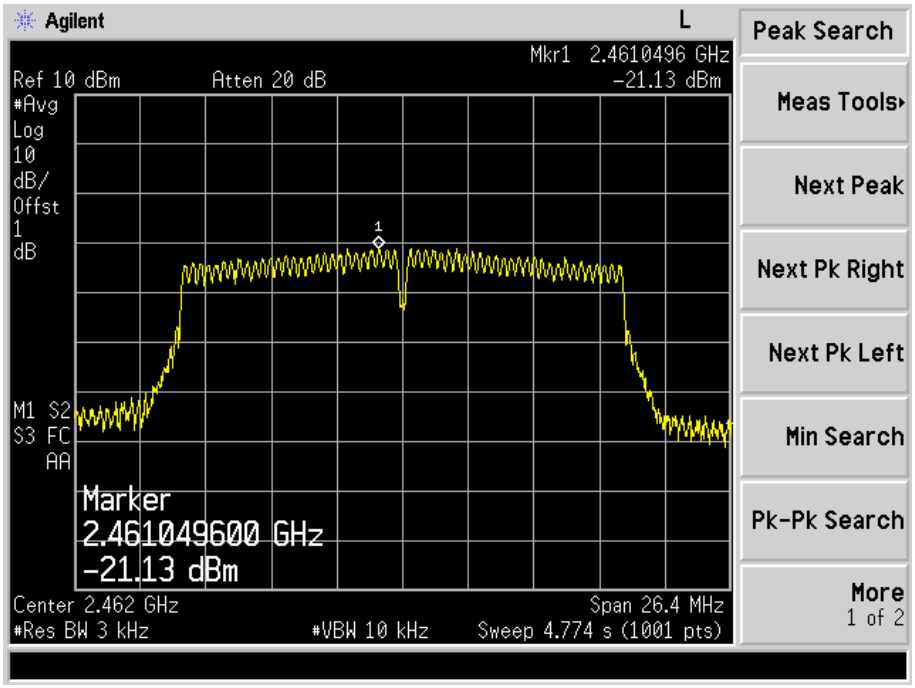
802.11n-HT20-Low Channel



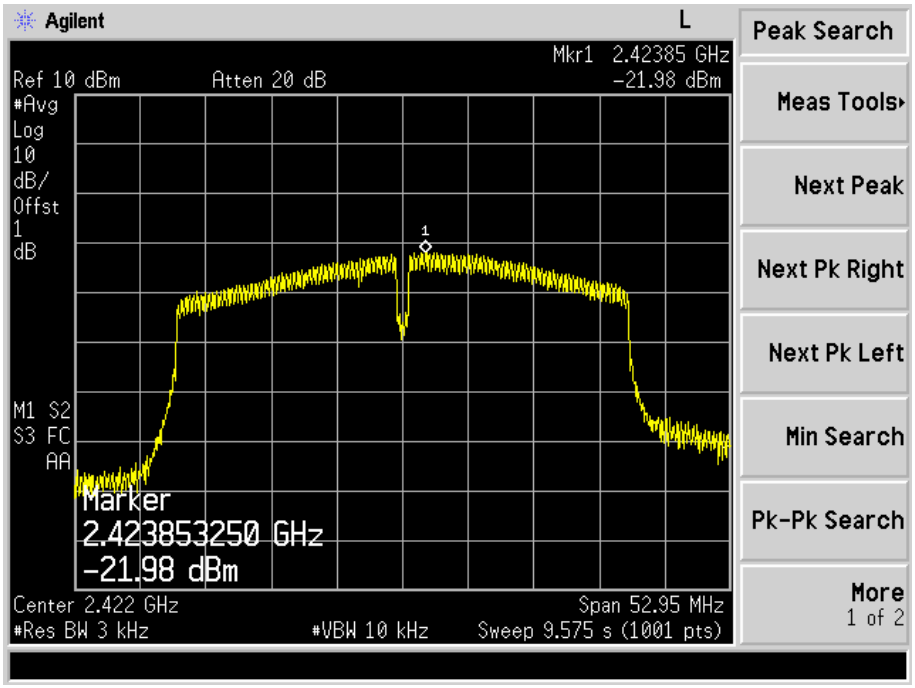
802.11n-HT20-Middle Channel



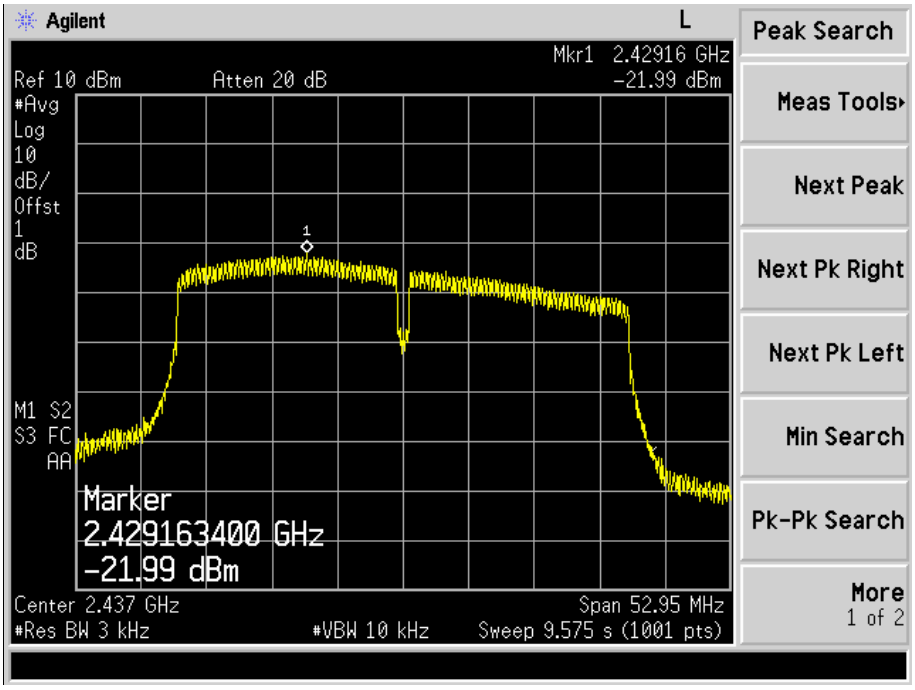
802.11n-HT20-High Channel



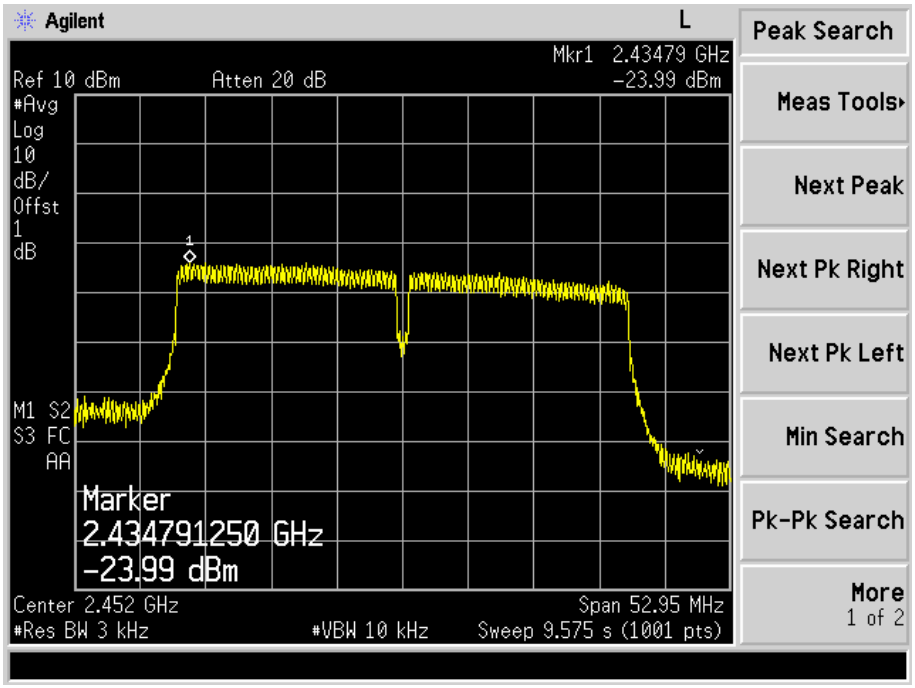
802.11n-HT40-Low Channel



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

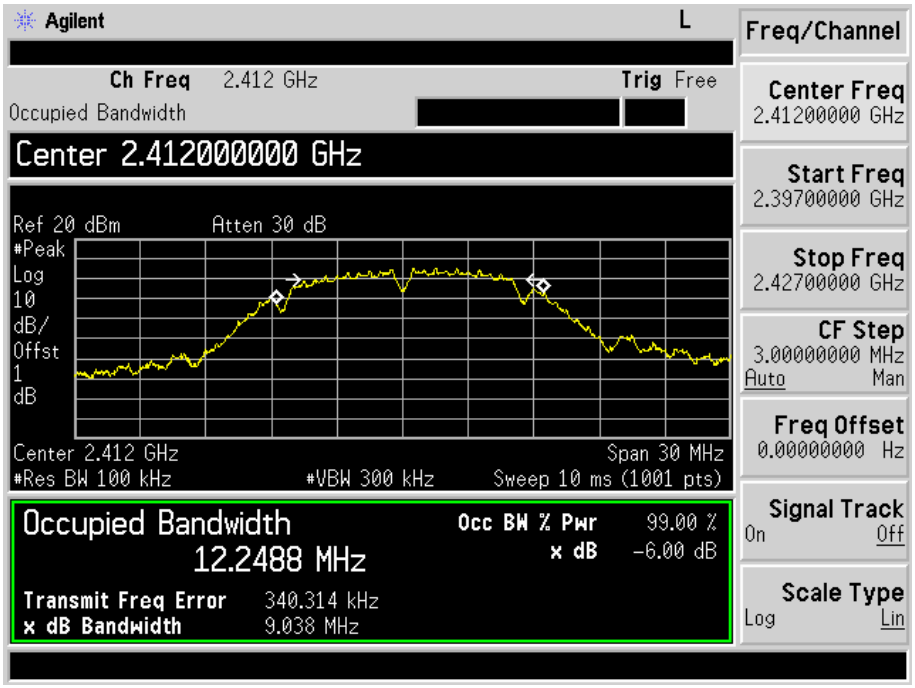
Temperature:	25° C
Relative Humidity:	53%
ATM Pressure:	1018 mbar

6.4 Summary of Test Results/Plots

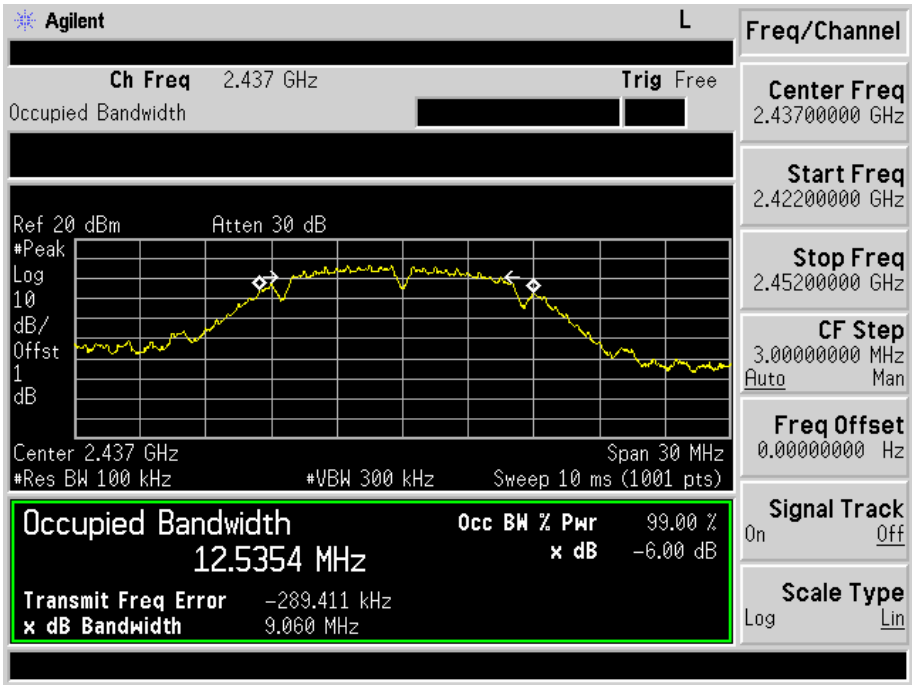
Test Mode	Test Channel MHz	6 dB Bandwidth MHz	99% Bandwidth MHz	Limit kHz
802.11b	2412	9.038	12.2488	≥500
	2437	9.060	12.5354	≥500
	2462	9.162	12.6649	≥500
802.11g	2412	15.156	16.4612	≥500
	2437	16.215	16.4326	≥500
	2462	16.375	16.3976	≥500
802.11n-HT20	2412	16.797	17.5094	≥500
	2437	16.790	17.5067	≥500
	2462	17.610	17.5771	≥500
802.11n-HT40	2422	25.686	35.2269	≥500
	2437	28.353	35.4264	≥500
	2452	35.805	35.9760	≥500

Please refer to the following test plots:

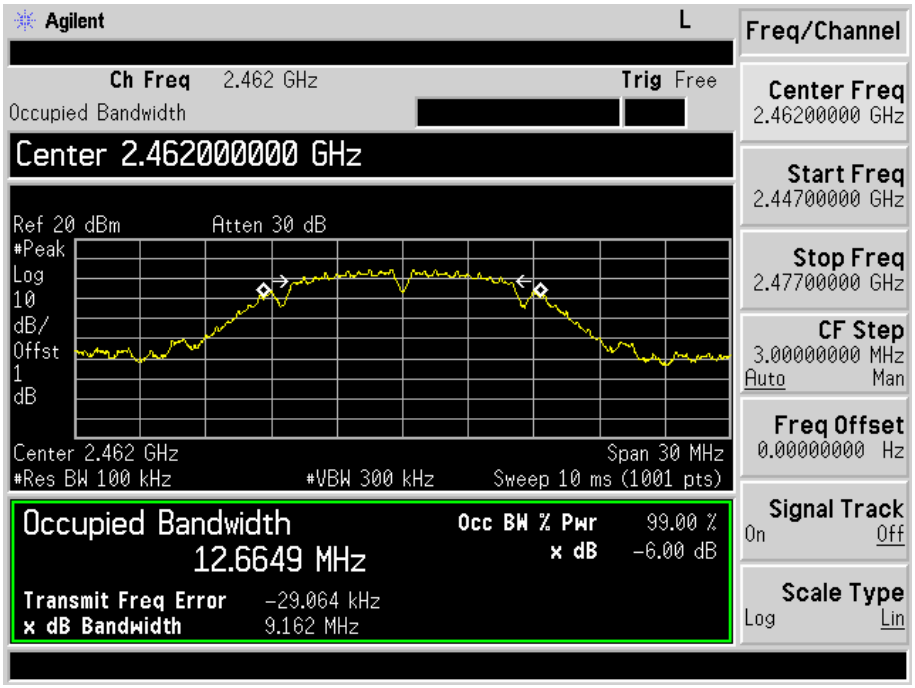
802.11b-Low Channel



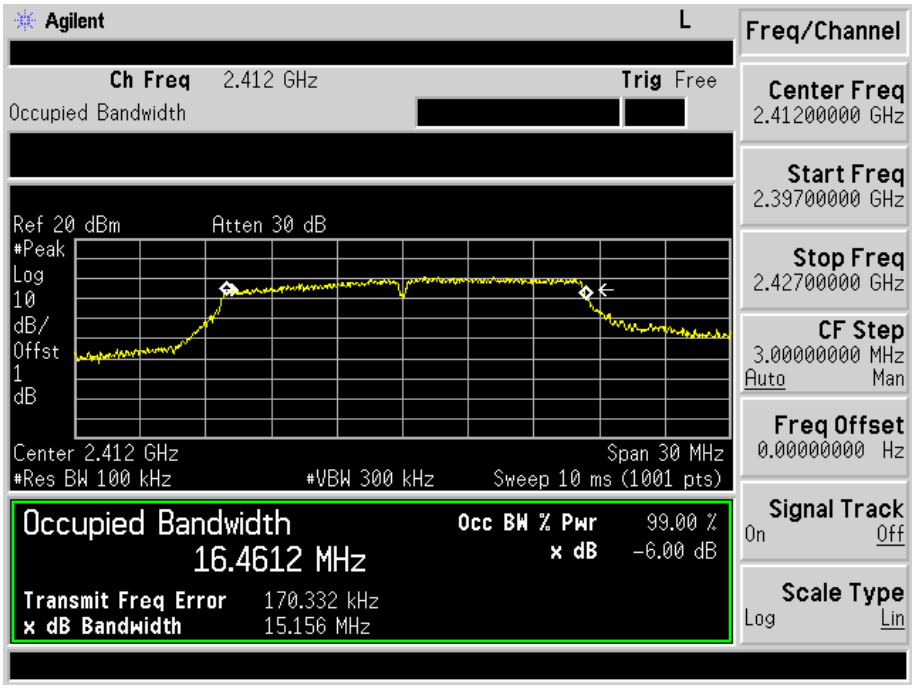
802.11b-Middle Channel



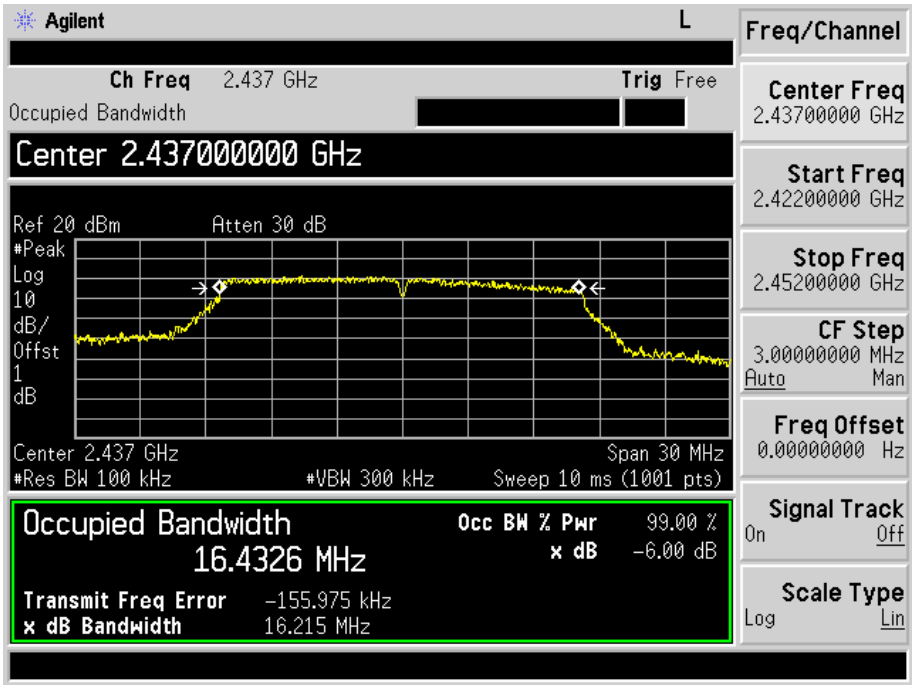
802.11b-High Channel



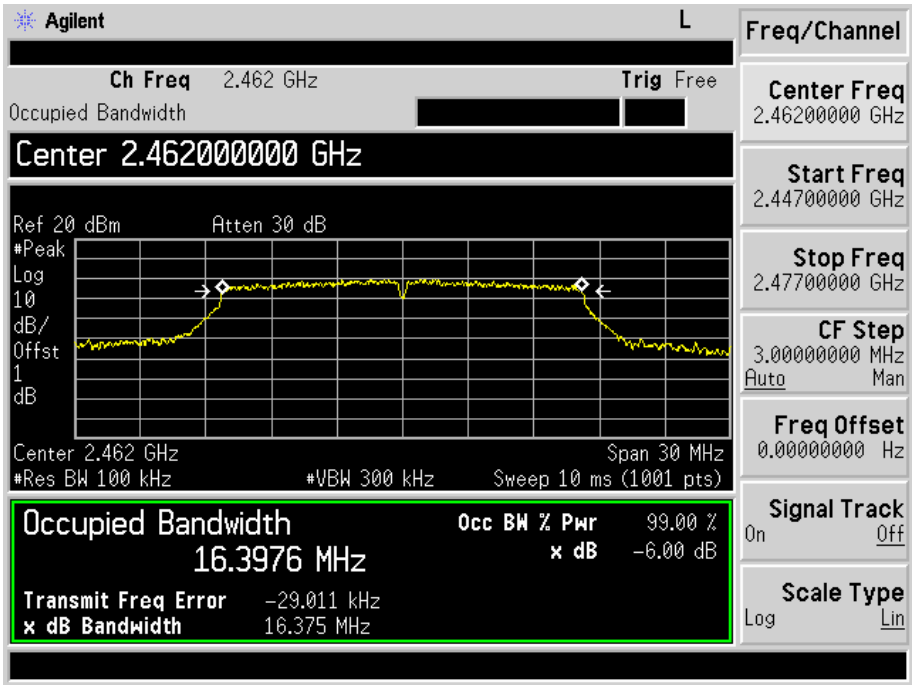
802.11g-Low Channel



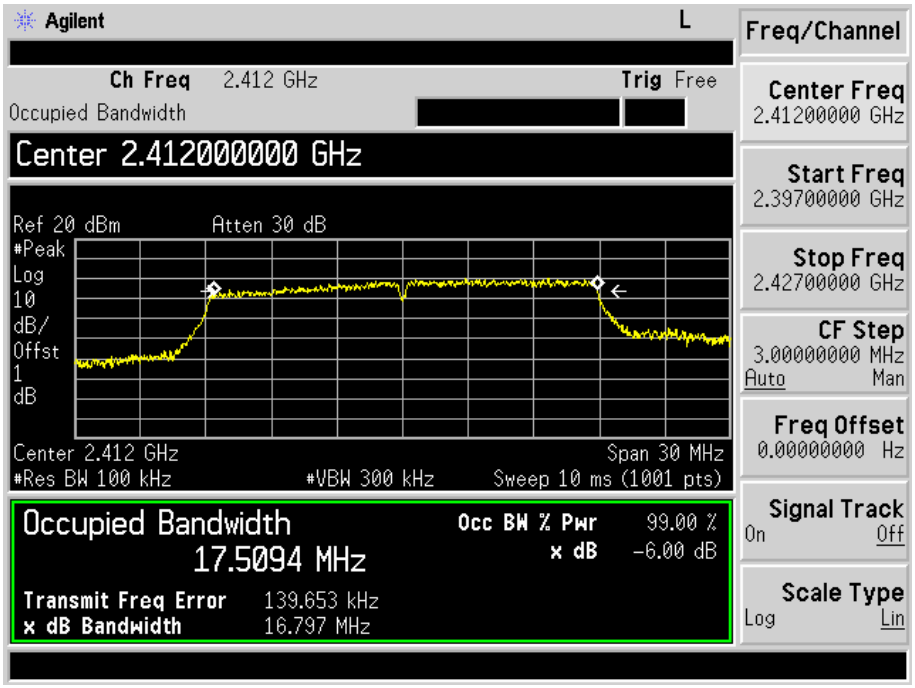
802.11g-Middle Channel



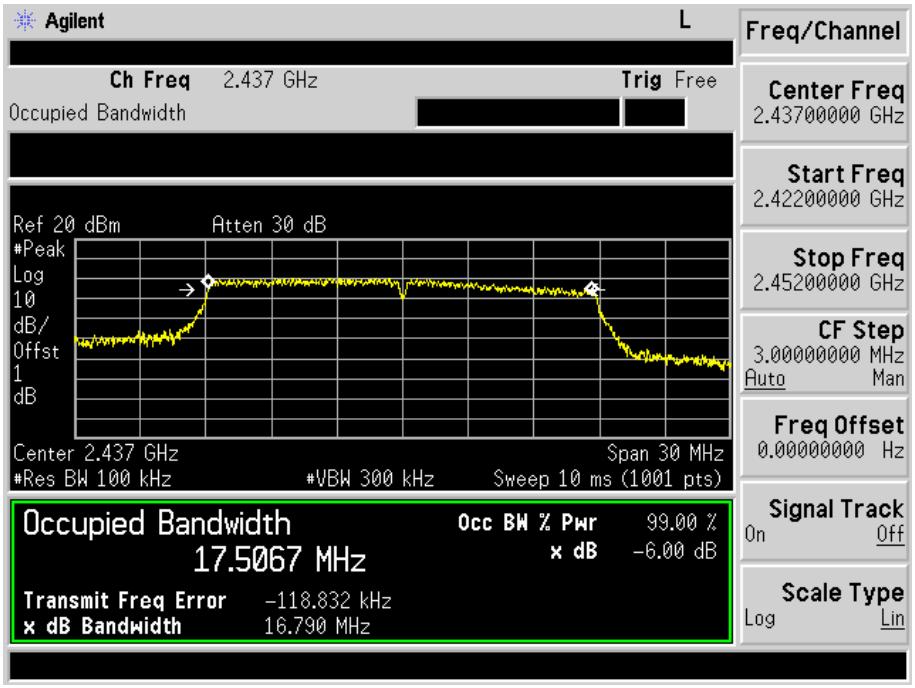
802.11g-High Channel



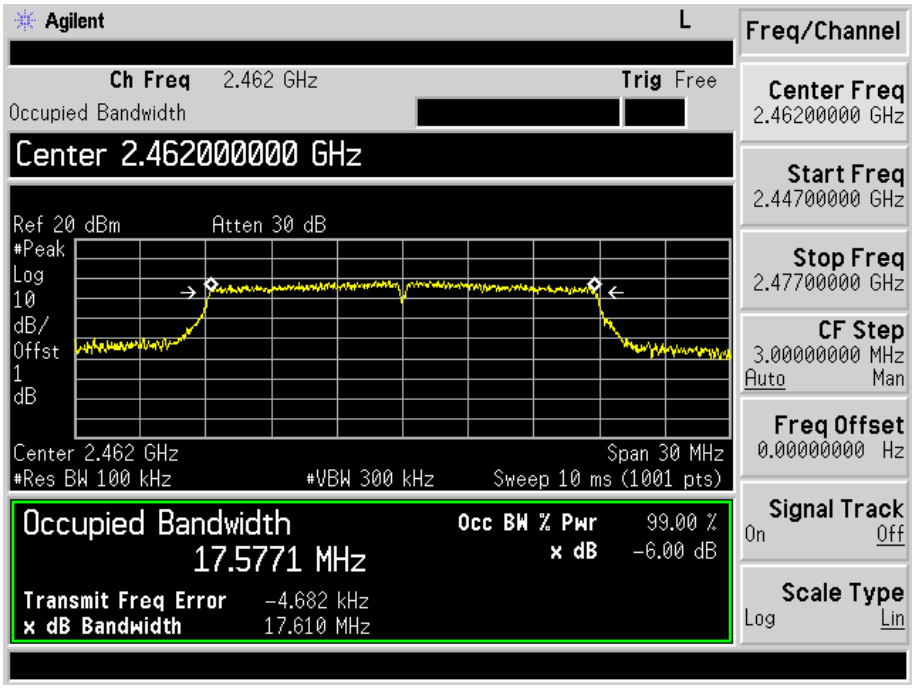
802.11n-HT20-Low Channel



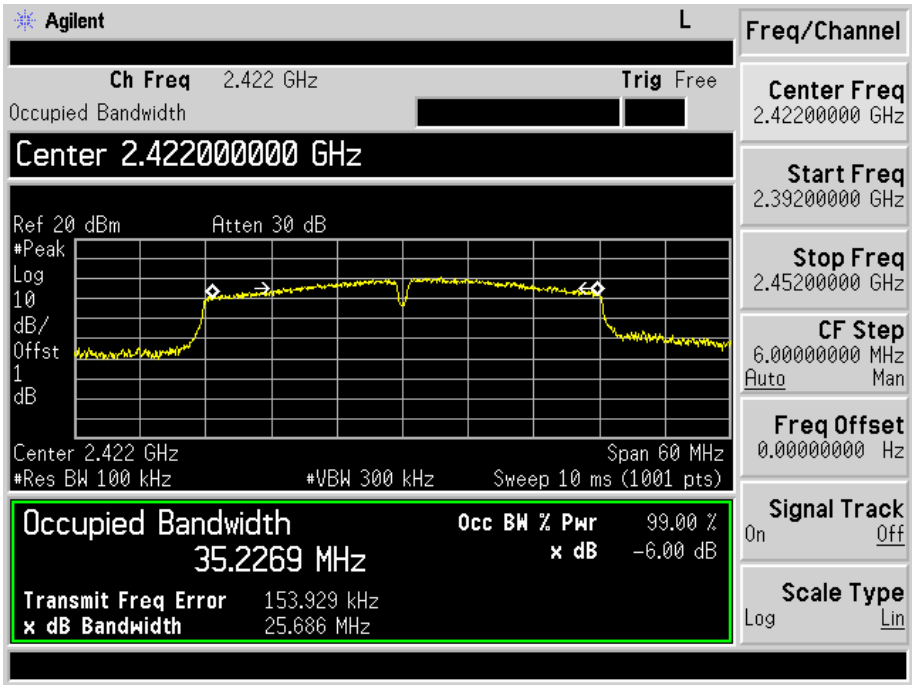
802.11n-HT20-Middle Channel



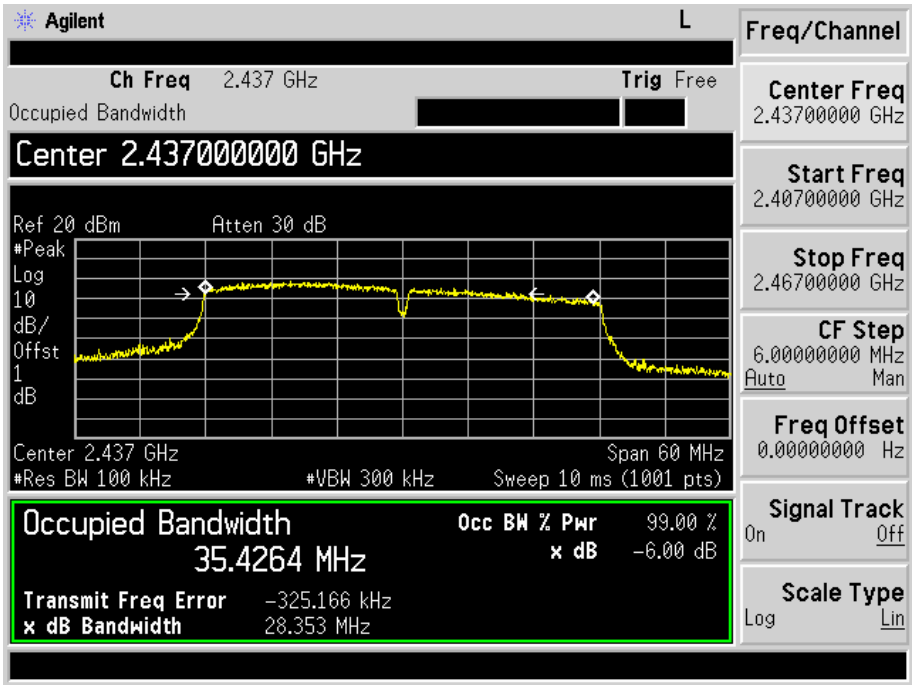
802.11n-HT20-High Channel



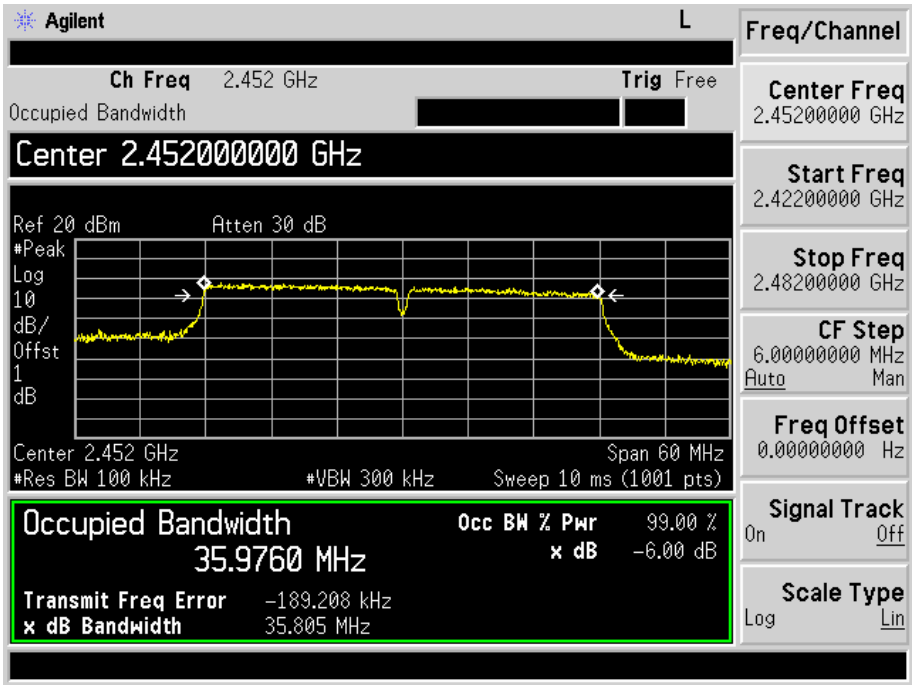
802.11n-HT40-Low Channel



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 the KDB-558074 D01 v04, 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 ≥ 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

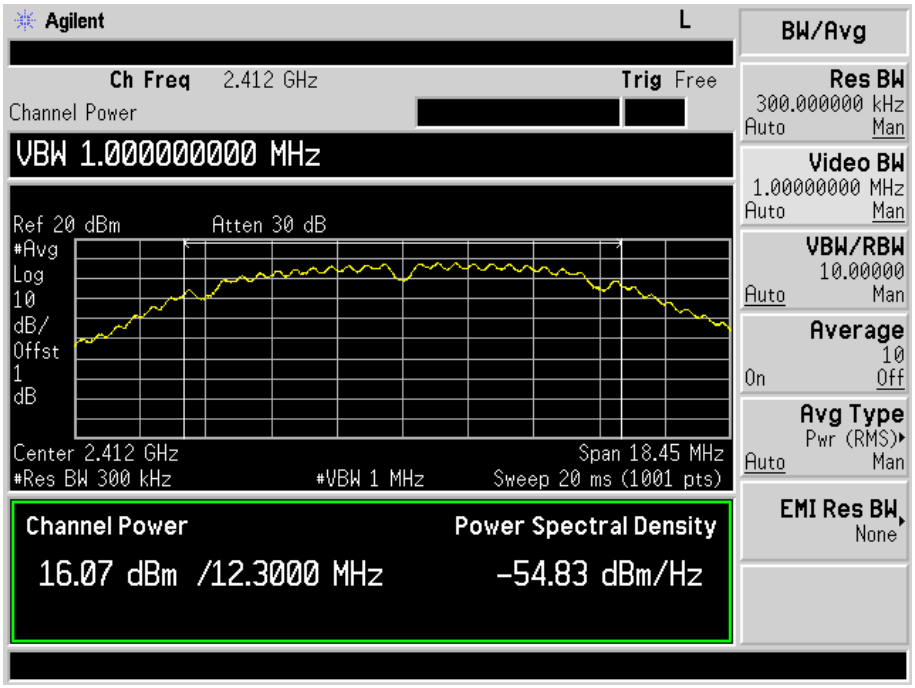
Temperature:	26° C
Relative Humidity:	57%
ATM Pressure:	1011 mbar

7.4 Summary of Test Results/Plots

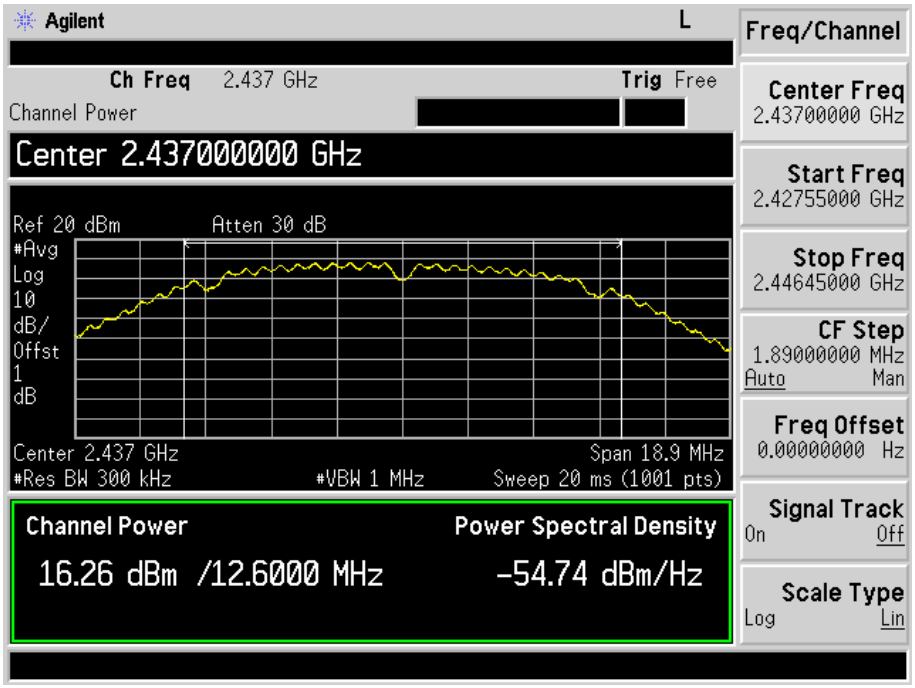
Test Mode	Frequency MHz	Reading dBm	Output Power mW	Limit mW
802.11b _ 11Mbps	2412	16.07	40.46	1000
	2437	16.26	42.27	1000
	2462	14.97	31.41	1000
802.11g_54Mbps	2412	12.66	18.45	1000
	2437	14.14	25.94	1000
	2462	12.25	16.79	1000
802.11n HT20_MCS7	2412	12.64	18.37	1000
	2437	14.11	25.76	1000
	2462	12.41	17.42	1000
802.11n HT40_MCS7	2422	14.11	25.76	1000
	2437	12.54	17.95	1000
	2452	12.14	16.37	1000

Please refer to the following test plots:

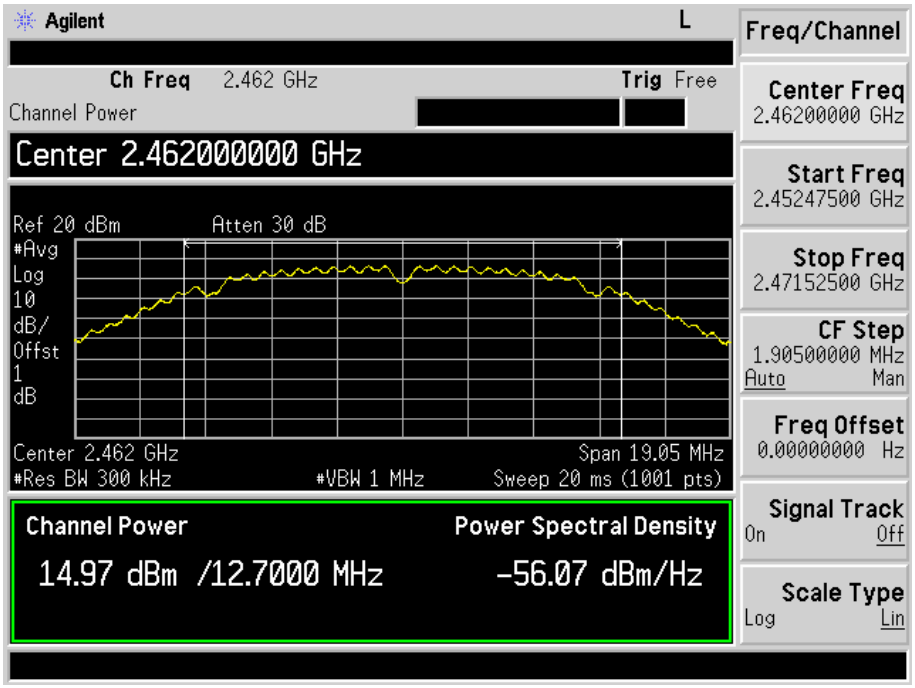
802.11b-11Mbps-Low Channel



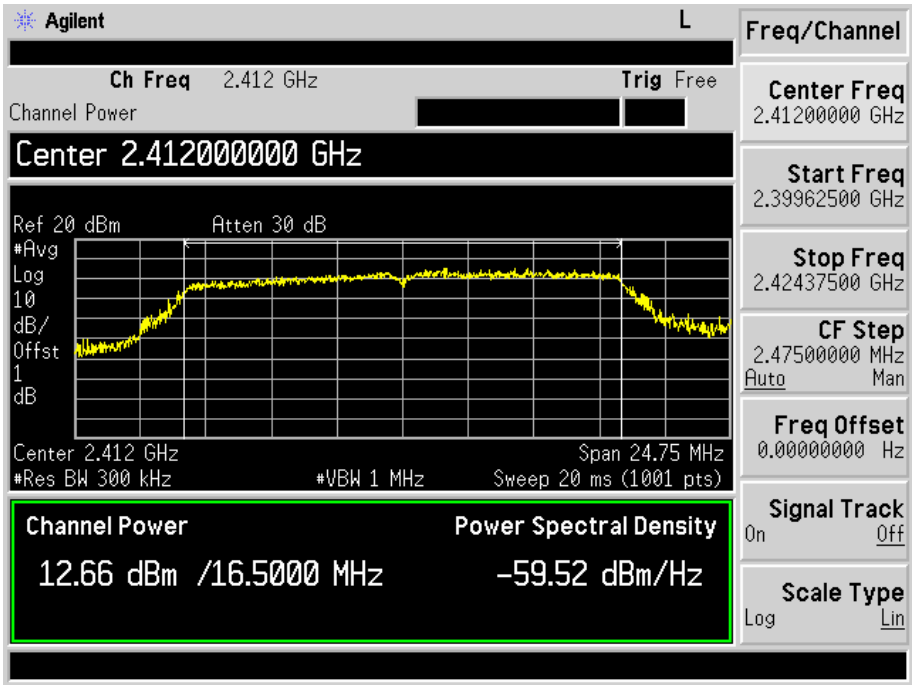
802.11b -11Mbps-Middle Channel



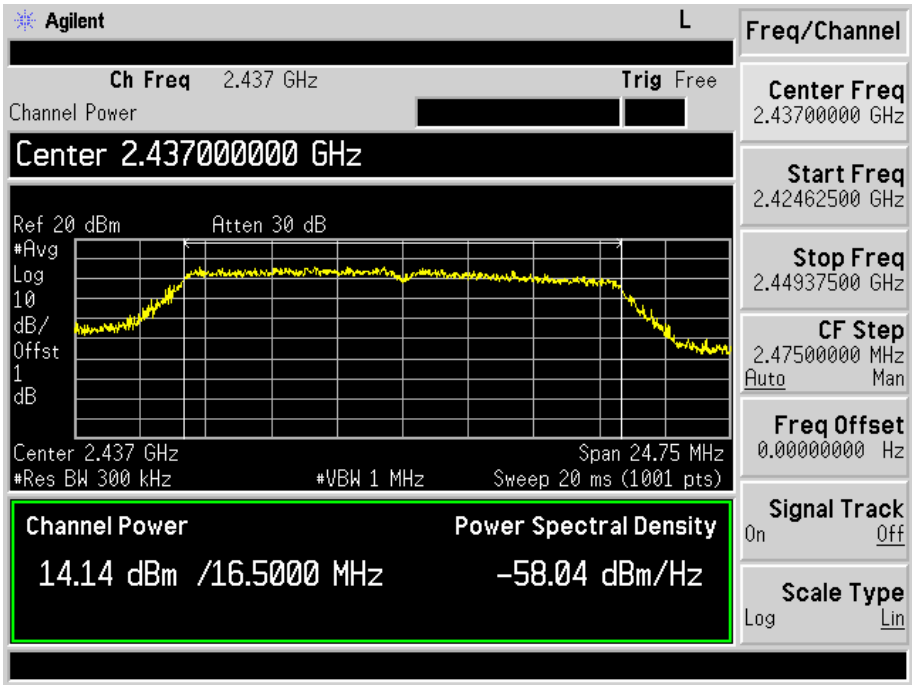
802.11b -11Mpbs-High Channel



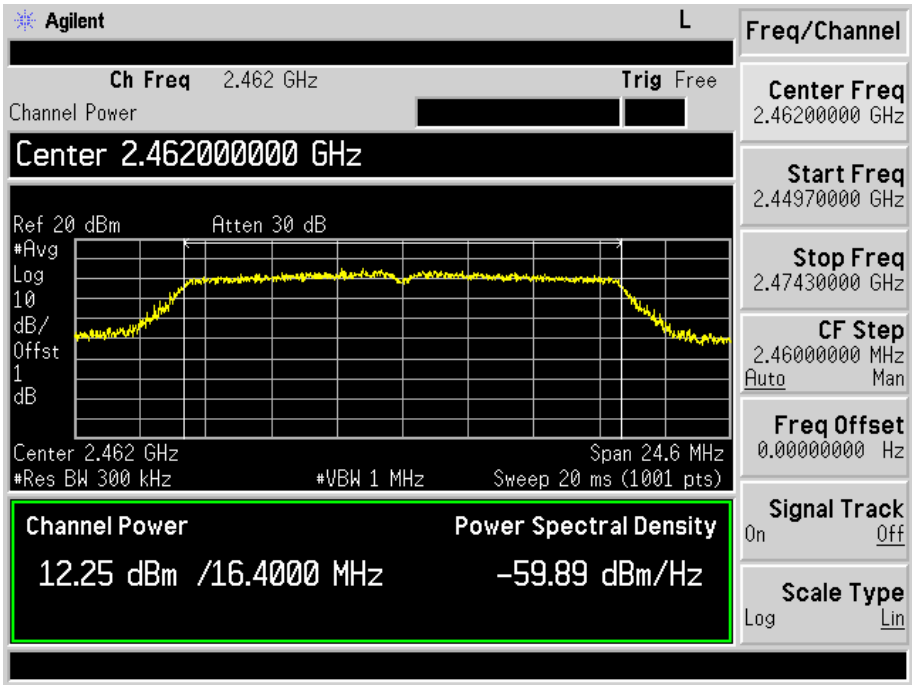
802.11g-54Mbps-Low Channel



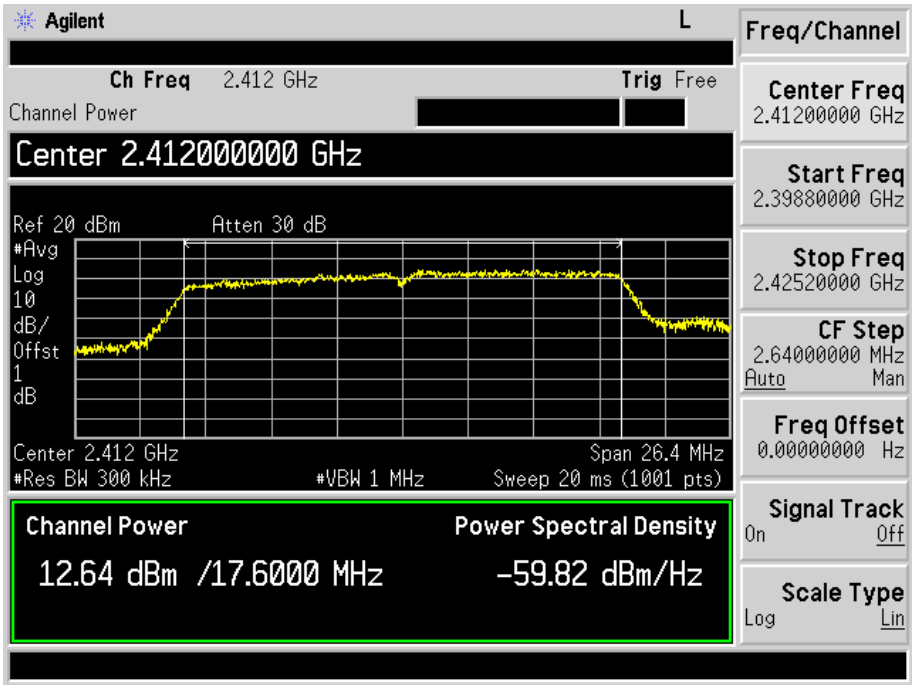
802.11g-54Mbps-Middle Channel



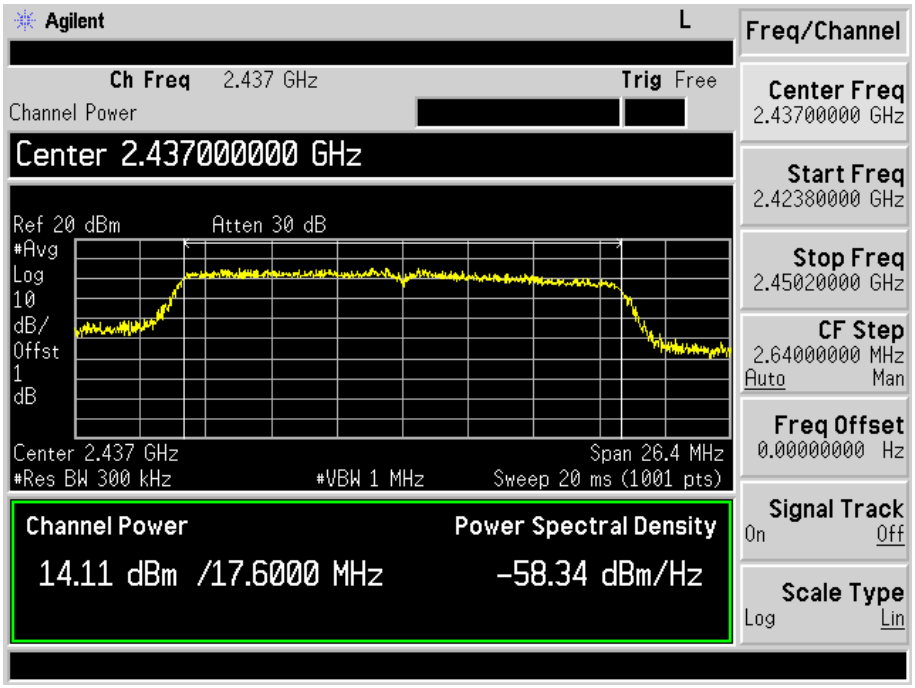
802.11g-54Mpbs-High Channel



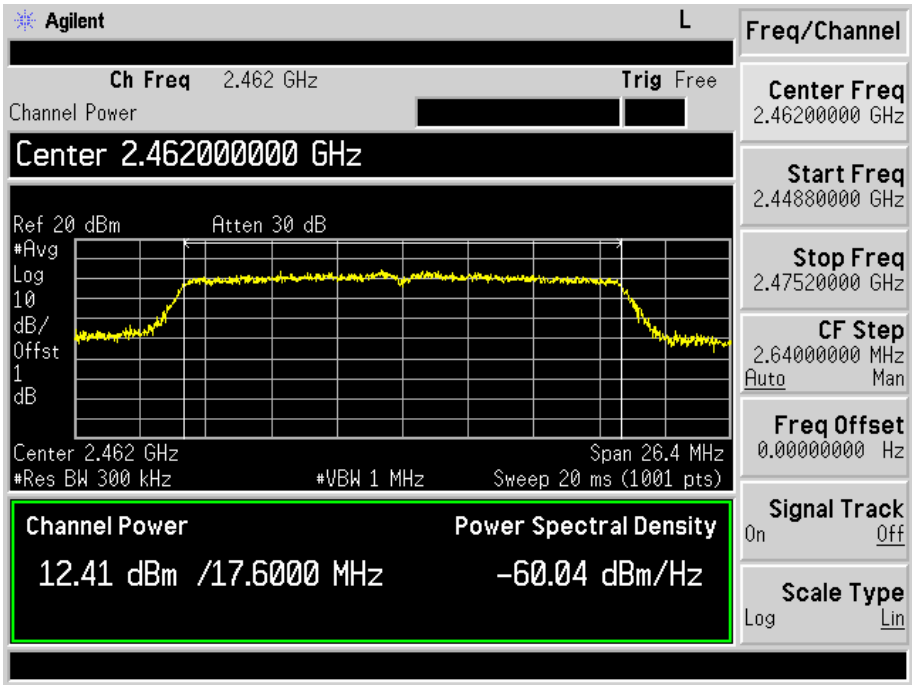
802.11n-HT20-MCS7-Low Channel



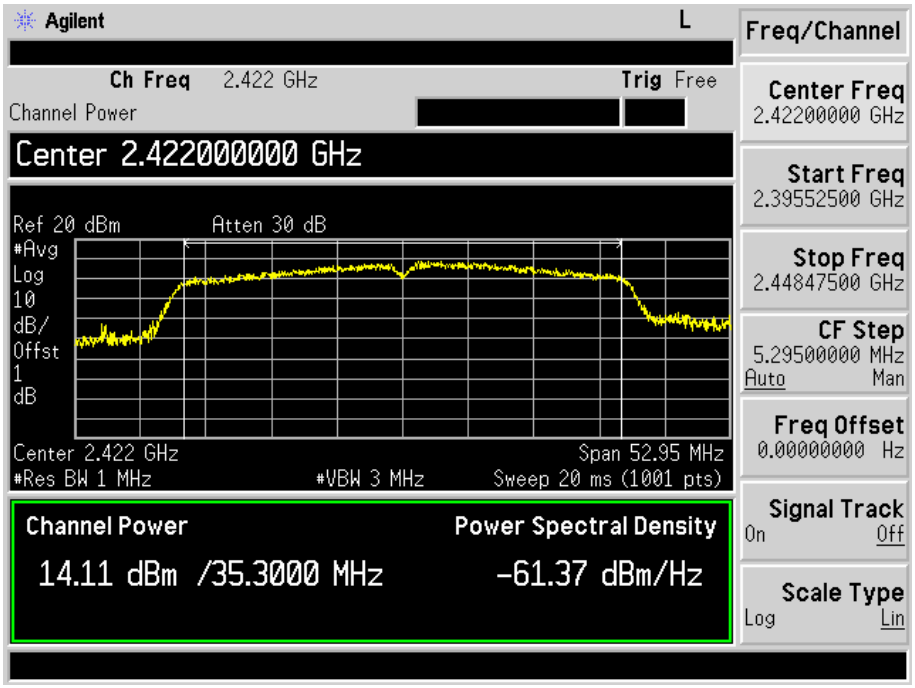
802.11n-HT20-MCS7-Middle Channel



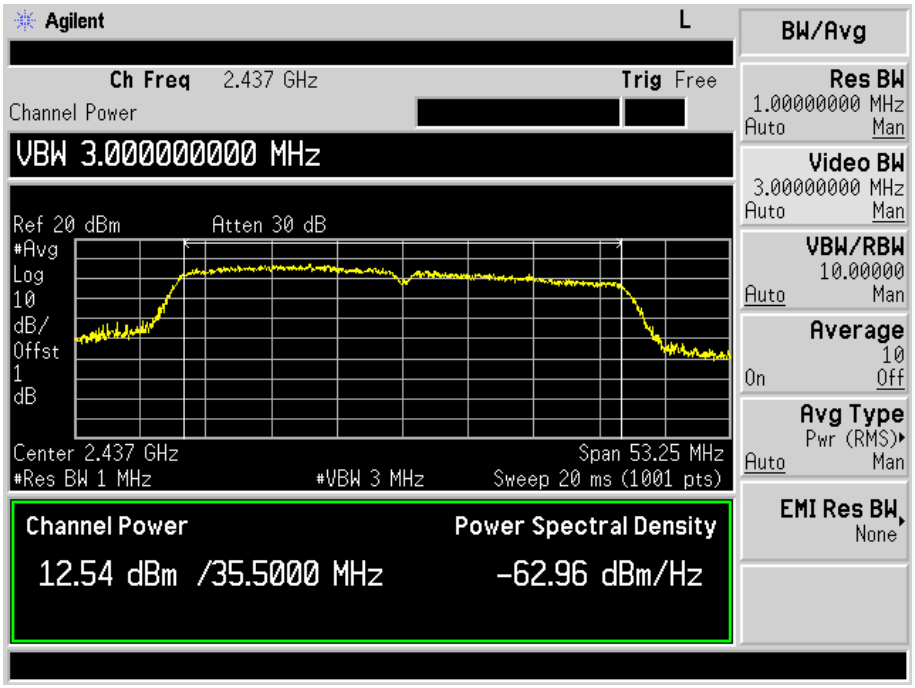
802.11n-HT20-MCS7-High Channel



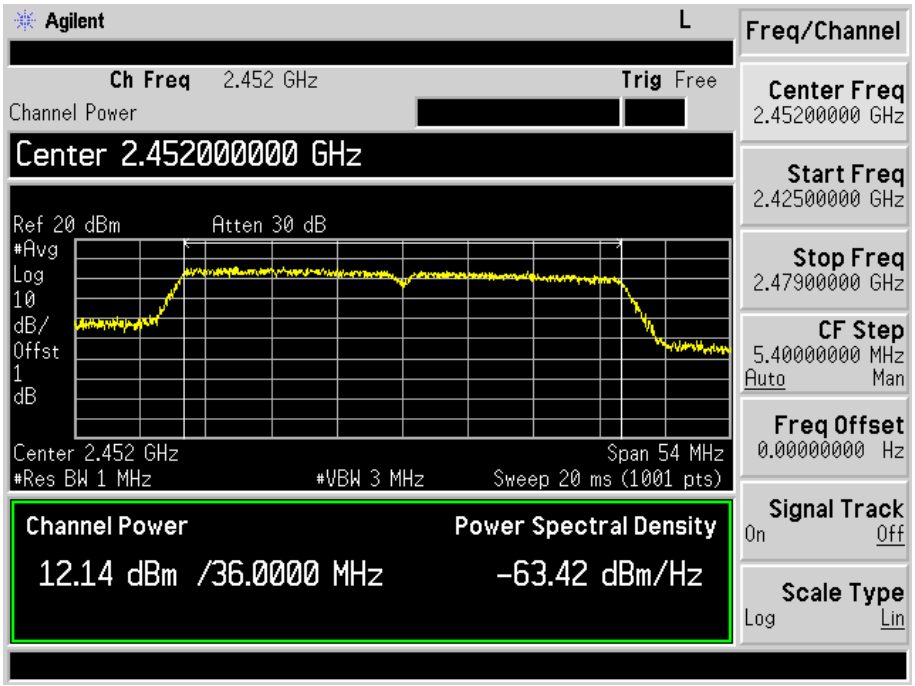
802.11n-HT40-MCS7-Low Channel



802.11n-HT40-MCS7-Middle Channel



802.11n-HT40-MCS7-High Channel



8. Field Strength of Spurious Emissions

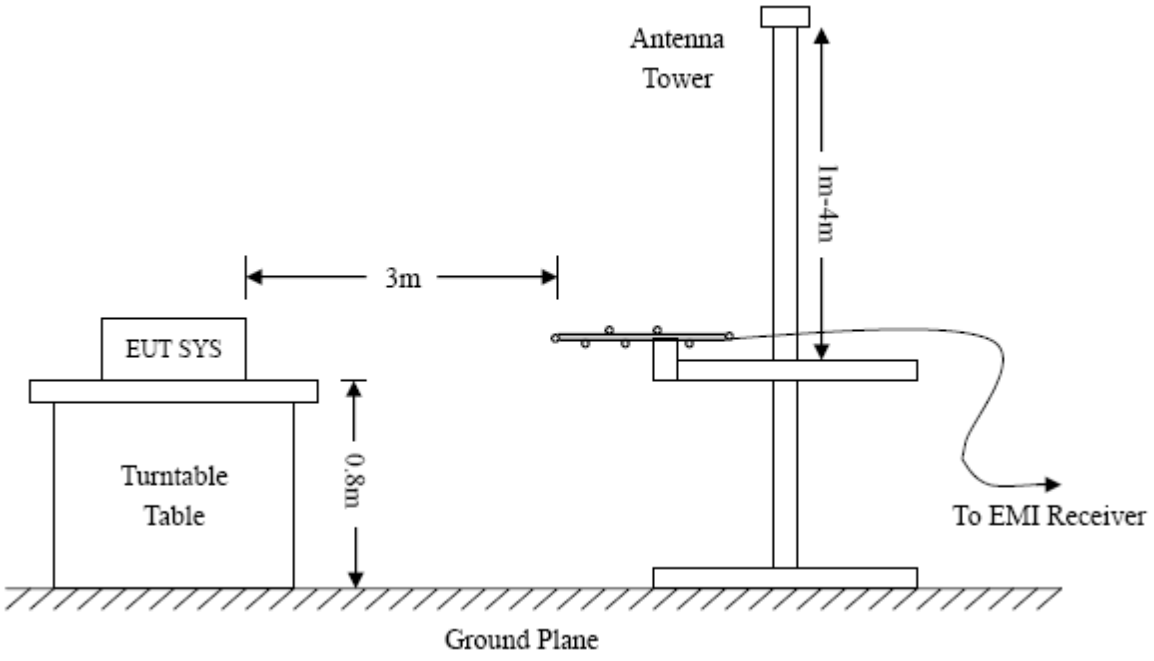
8.1 Standard Applicable

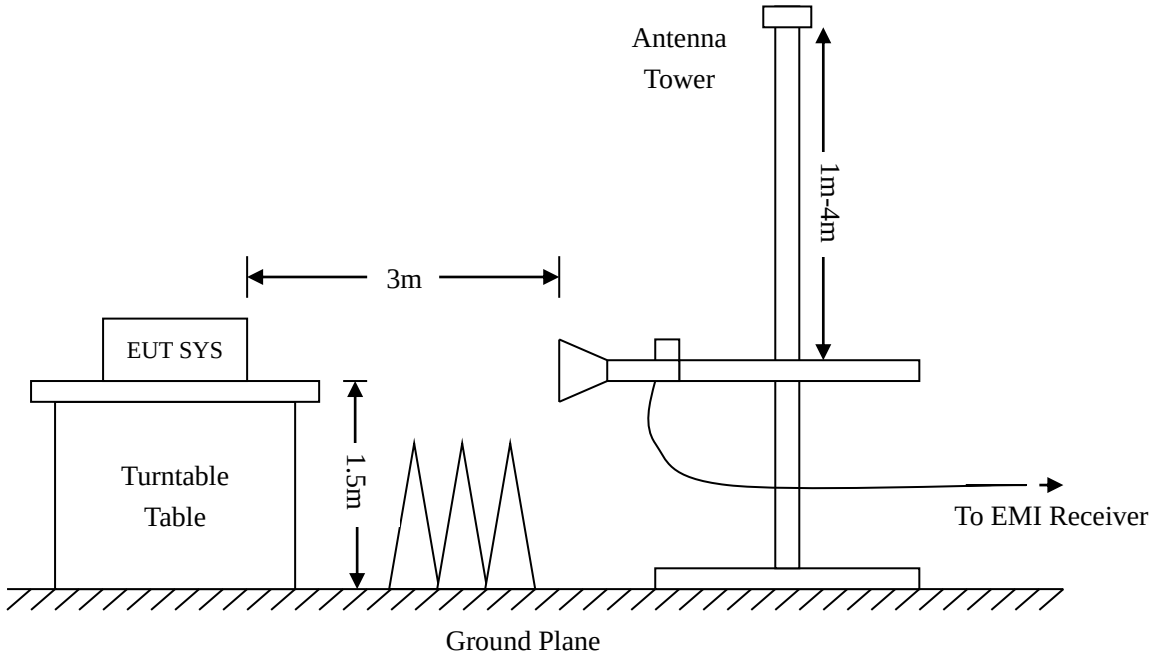
According to §15.247(d), in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within 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 C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.247(a) and FCC Part 15.209 Limit.
The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.
The spacing between the peripherals was 10 cm.





Frequency :9kHz-30MHz	Frequency :30MHz-1GHz	Frequency :Above 1GHz
RBW=10KHz,	RBW=120KHz,	RBW=1MHz,
VBW =30KHz	VBW=360KHz	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

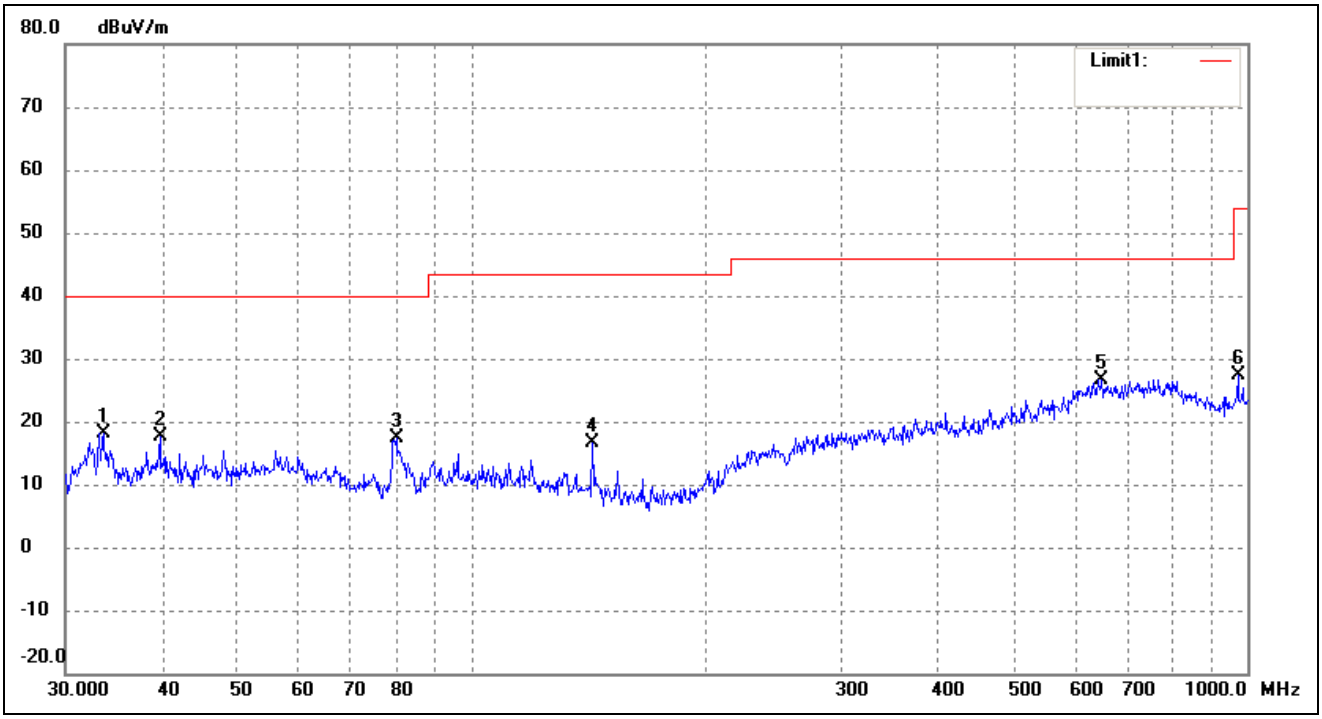
According to the data below, the FCC Part 15.205, 15.209 and 15.247 standards, and had the worst cases:

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)

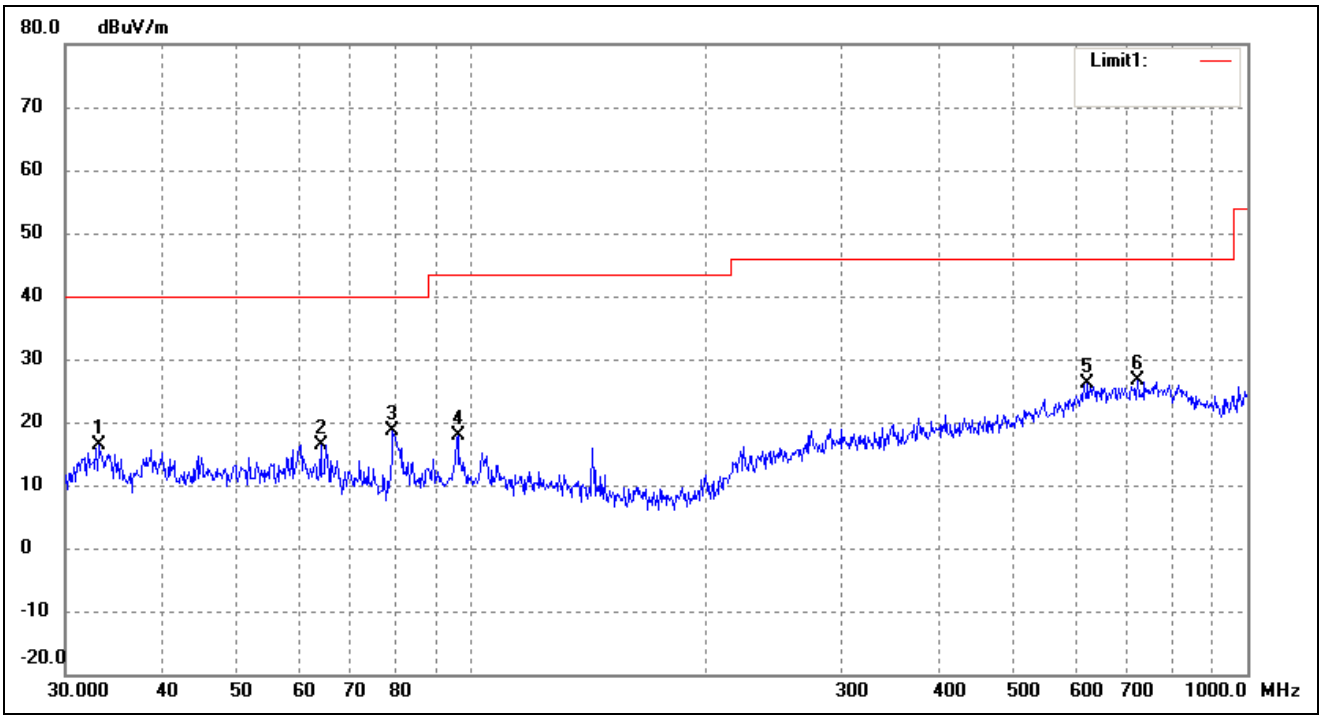
EUT: *ARB LINX*
Tested Model: *7450502*
Operating Condition: *802.11b Transmitting Low Channel-2412MHz(wrose case)*
Comment: *DC 3.8V by Battery*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	33.5624	35.72	-17.56	18.16	40.00	-21.84	337	100	peak
2	39.7147	34.17	-16.57	17.60	40.00	-22.40	91	100	peak
3	80.0806	37.22	-19.80	17.42	40.00	-22.58	91	100	peak
4	143.3261	35.10	-18.46	16.64	43.50	-26.86	90	100	peak
5	649.6597	27.92	-1.26	26.66	46.00	-19.34	176	100	peak
6	972.3374	30.85	-3.52	27.33	54.00	-26.67	195	100	peak

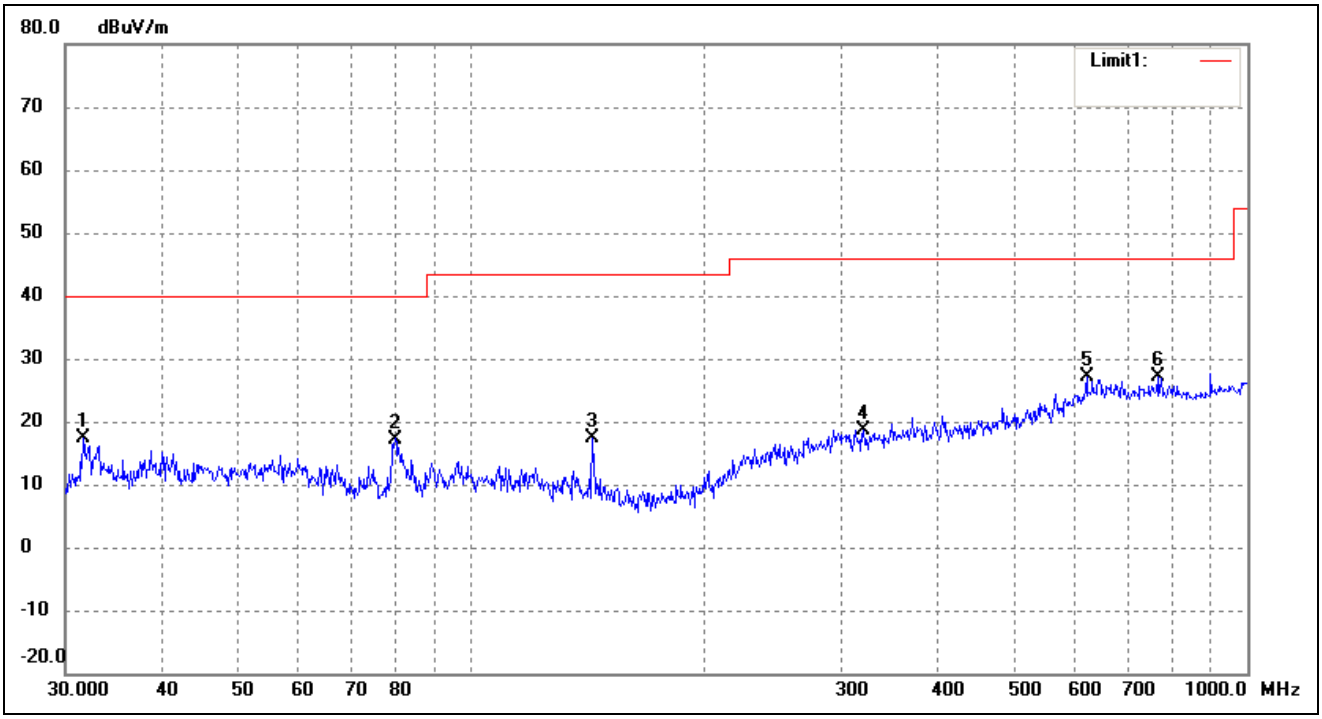
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	33.2112	34.10	-17.62	16.48	40.00	-23.52	348	100	peak
2	63.9828	33.83	-17.35	16.48	40.00	-23.52	98	100	peak
3	79.2426	38.45	-19.73	18.72	40.00	-21.28	287	100	peak
4	96.0986	35.06	-17.14	17.92	43.50	-25.58	92	100	peak
5	622.8900	27.68	-1.58	26.10	46.00	-19.90	275	100	peak
6	721.7259	27.67	-1.02	26.65	46.00	-19.35	348	100	peak

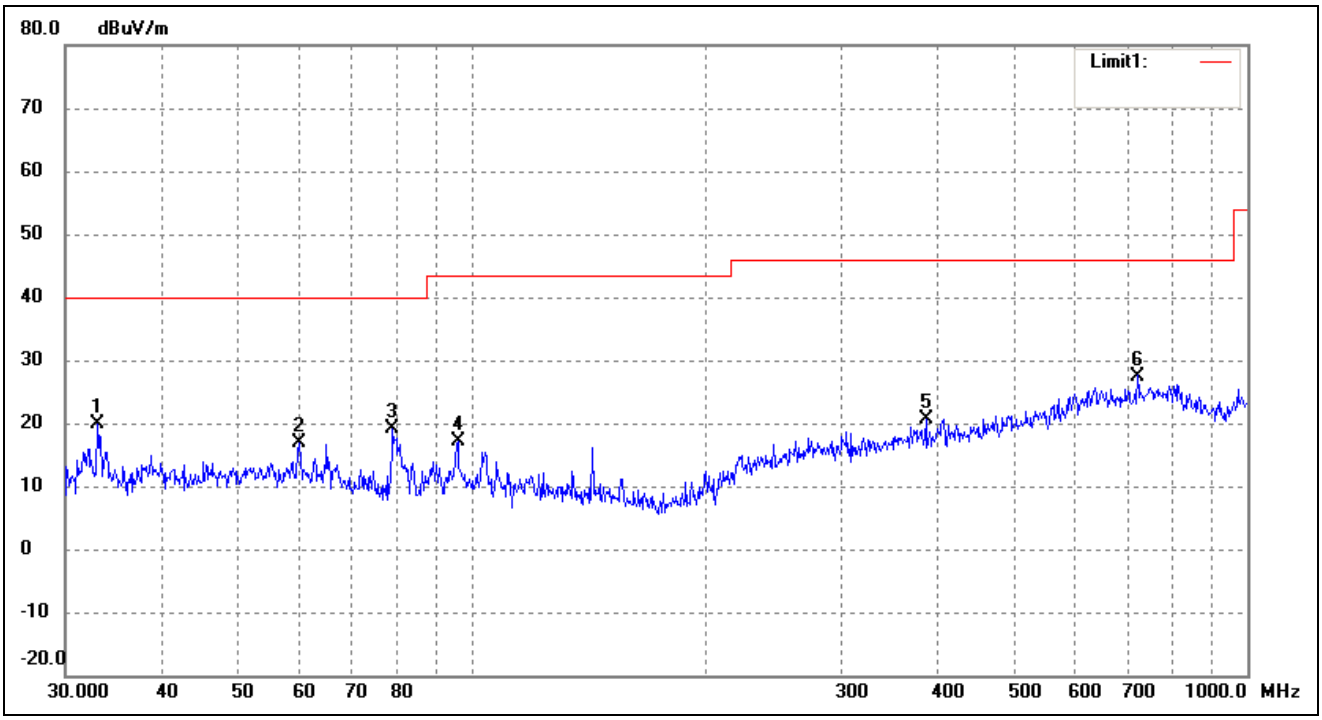
Operating Condition: *802.11b Transmitting Middle Channel-2437MHz(wrose case)b*
Comment: *DC 3.8V by Battery*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	31.6202	35.24	-17.91	17.33	40.00	-22.67	88	100	peak
2	79.8003	37.04	-19.79	17.25	40.00	-22.75	109	100	peak
3	143.3261	35.77	-18.46	17.31	43.50	-26.19	61	100	peak
4	319.9370	27.94	-9.34	18.60	46.00	-27.40	140	100	peak
5	620.7096	28.77	-1.67	27.10	46.00	-18.90	196	100	peak
6	766.0572	28.10	-0.93	27.17	46.00	-18.83	297	100	peak

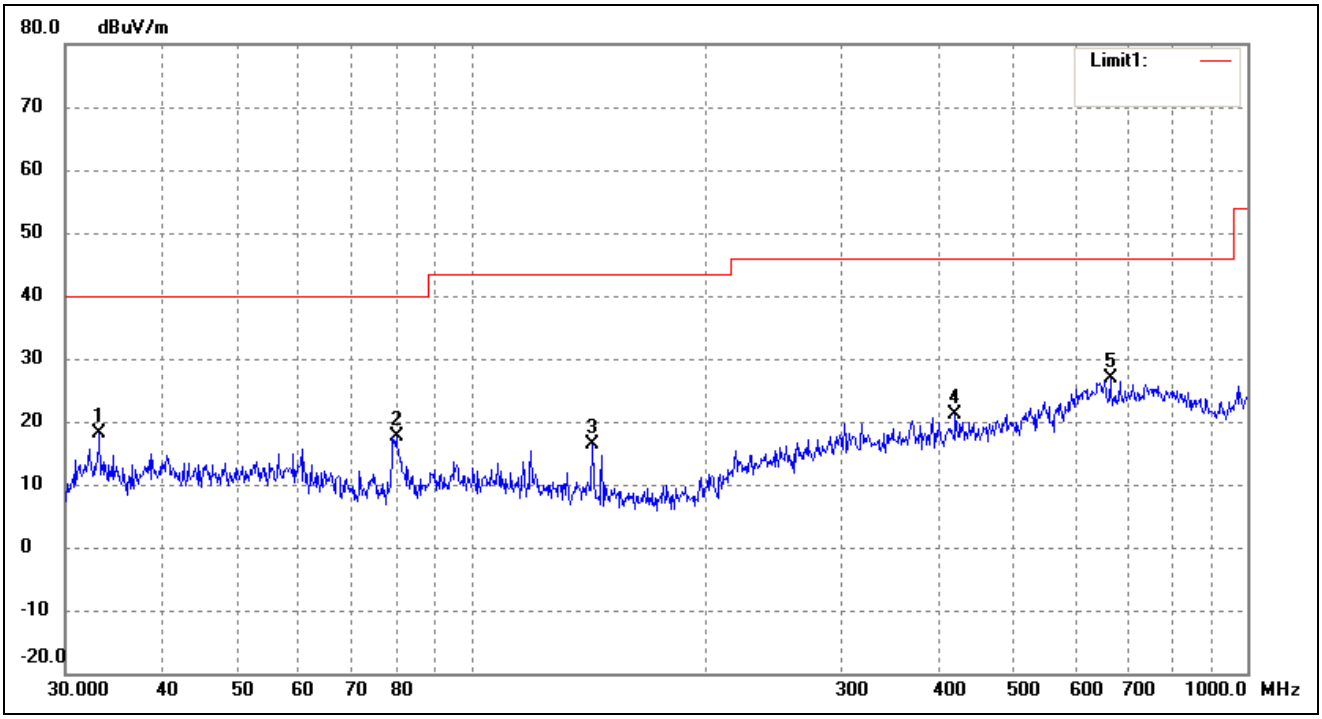
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	32.9791	37.45	-17.65	19.80	40.00	-20.20	88	100	peak
2	60.0691	33.41	-16.52	16.89	40.00	-23.11	183	100	peak
3	79.2426	38.81	-19.73	19.08	40.00	-20.92	53	100	peak
4	96.0986	34.19	-17.14	17.05	43.50	-26.45	147	100	peak
5	385.2805	29.11	-8.58	20.53	46.00	-25.47	50	100	peak
6	721.7259	28.52	-1.02	27.50	46.00	-18.50	128	100	peak

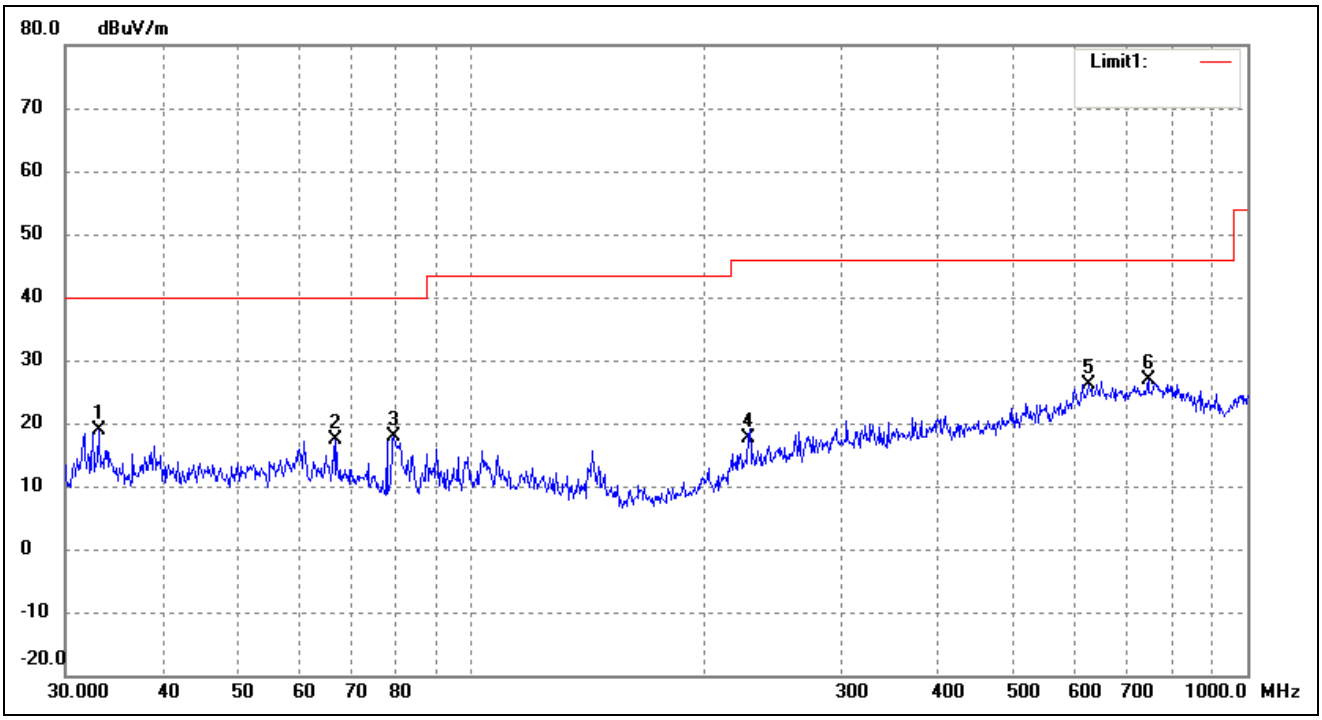
Operating Condition: *802.11b Transmitting High Channel-2462MHz(wrose case)*
Comment: *DC 3.8V by Battery*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	33.2112	35.73	-17.62	18.11	40.00	-21.89	110	100	peak
2	80.0806	37.48	-19.80	17.68	40.00	-22.32	157	100	peak
3	143.3261	34.85	-18.46	16.39	43.50	-27.11	130	100	peak
4	420.5803	29.44	-8.32	21.12	46.00	-24.88	118	100	peak
5	665.8035	28.09	-1.17	26.92	46.00	-19.08	317	100	peak

Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	33.0950	36.47	-17.64	18.83	40.00	-21.17	91	100	peak
2	66.9669	35.40	-18.03	17.37	40.00	-22.63	96	100	peak
3	79.5209	37.58	-19.75	17.83	40.00	-22.17	110	100	peak
4	227.6906	31.04	-13.36	17.68	46.00	-28.32	235	100	peak
5	625.0780	27.65	-1.51	26.14	46.00	-19.86	185	100	peak
6	744.8661	27.00	-0.03	26.97	46.00	-19.03	91	100	peak

Spurious Emissions Above 1GHz

Test Mode: 802.11b (wrose case)

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2412MHz							
4824.000	57.97	-3.87	54.10	74	-19.90	H	PK
4824.000	39.50	-3.87	35.63	54	-18.37	H	AV
7236.000	58.70	1.14	59.84	74	-14.16	H	PK
7236.000	42.43	1.19	43.62	54	-10.38	H	AV
4824.000	61.18	-3.86	57.32	74	-16.68	V	PK
4824.000	48.29	-3.86	44.43	54	-9.57	V	AV
7236.000	62.04	1.10	63.14	74	-10.86	V	PK
7236.000	43.26	1.10	44.36	54	-9.64	V	AV
Middle Channel-2437MHz							
4874.000	57.98	-3.74	54.24	74	-19.76	H	PK
4874.000	41.47	-3.74	37.73	54	-16.27	H	AV
7311.000	60.11	1.47	61.58	74	-12.42	H	PK
7311.000	41.78	1.47	43.25	54	-10.75	H	AV
4874.000	61.43	-3.74	57.69	74	-16.31	V	PK
4874.000	51.39	-3.74	47.65	54	-6.35	V	AV
7311.000	61.10	1.47	62.57	74	-11.43	V	PK
7311.000	40.98	1.47	42.45	54	-11.55	V	AV
High Channel-2462MHz							
4924.000	55.47	-3.59	51.88	74	-22.12	H	PK
4924.000	39.02	-3.59	35.43	54	-18.57	H	AV
7386.000	55.31	1.79	57.10	74	-16.90	H	PK
7386.000	40.39	1.79	42.18	54	-11.82	H	AV
4924.000	65.02	-3.59	61.43	74	-12.57	V	PK
4924.000	51.04	-3.59	47.45	54	-6.55	V	AV
7386.000	62.42	1.79	64.21	74	-9.79	V	PK
7386.000	42.67	1.79	44.46	54	-9.54	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 v04, 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 v04, 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.

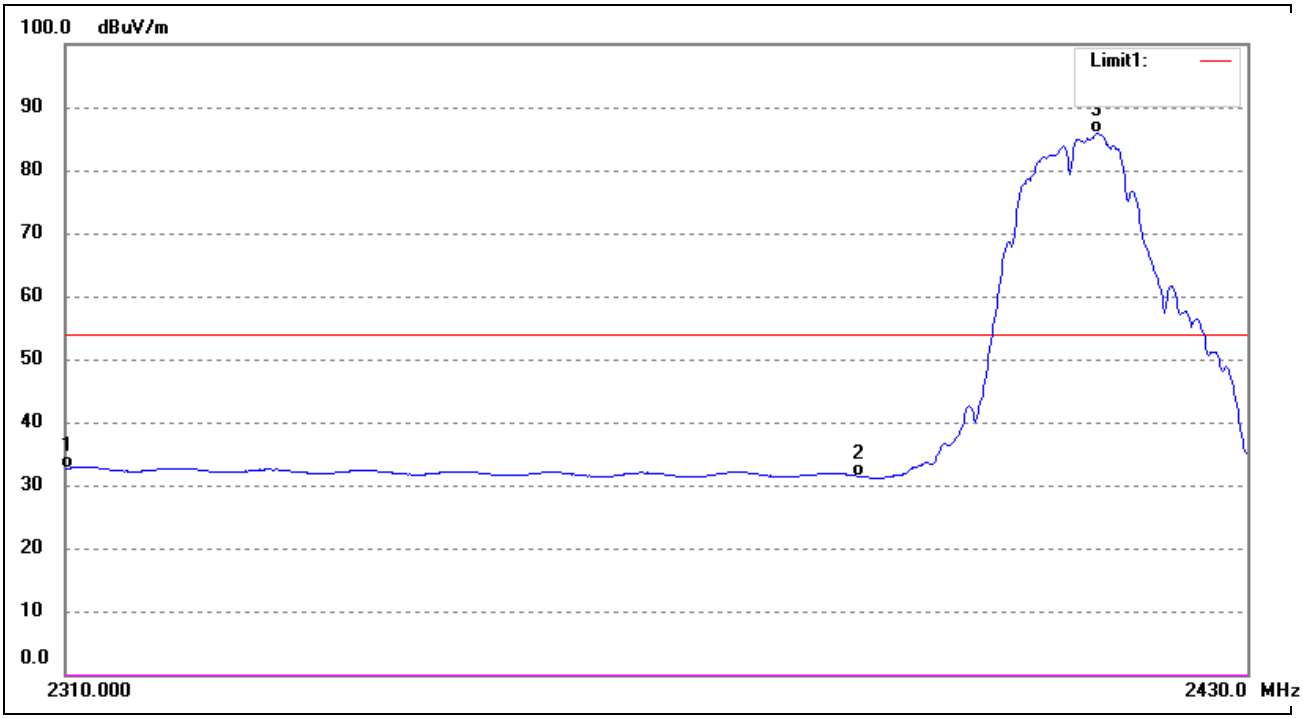
9.3 Environmental Conditions

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

9.4 Summary of Test Results/Plots

802.11b-Lowest Bandedge

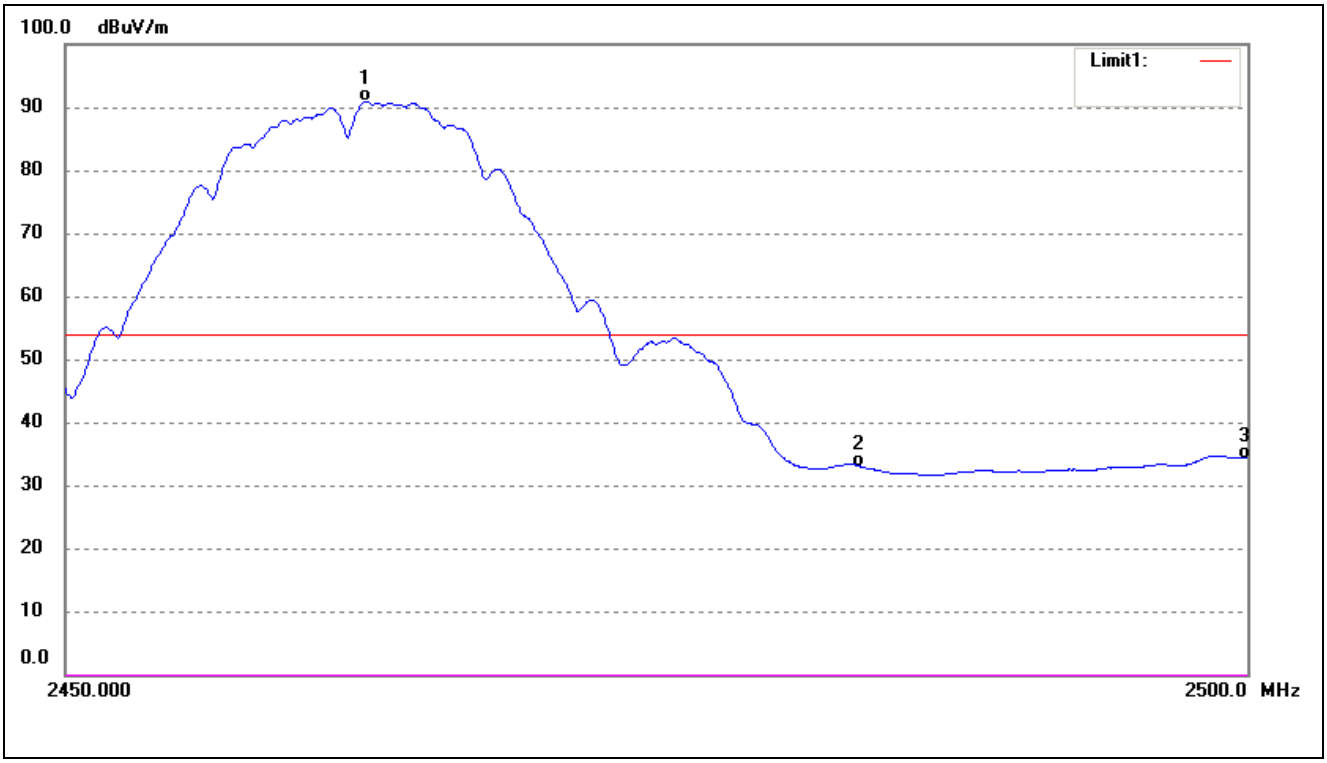
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2310.000	39.05	-6.38	32.67	54.00	-21.33	Average Detector
	2310.000	52.91	-6.38	46.53	74.00	-27.47	Peak Detector
2	2390.000	38.64	-7.26	31.38	54.00	-22.62	Average Detector
	2390.000	51.87	-7.26	44.61	74.00	-29.39	Peak Detector
3	2414.421	93.37	-7.40	85.97	/	/	Average Detector
	2415.644	97.73	-7.39	90.34	/	/	Peak Detector

802.11b-Highest Bandedge

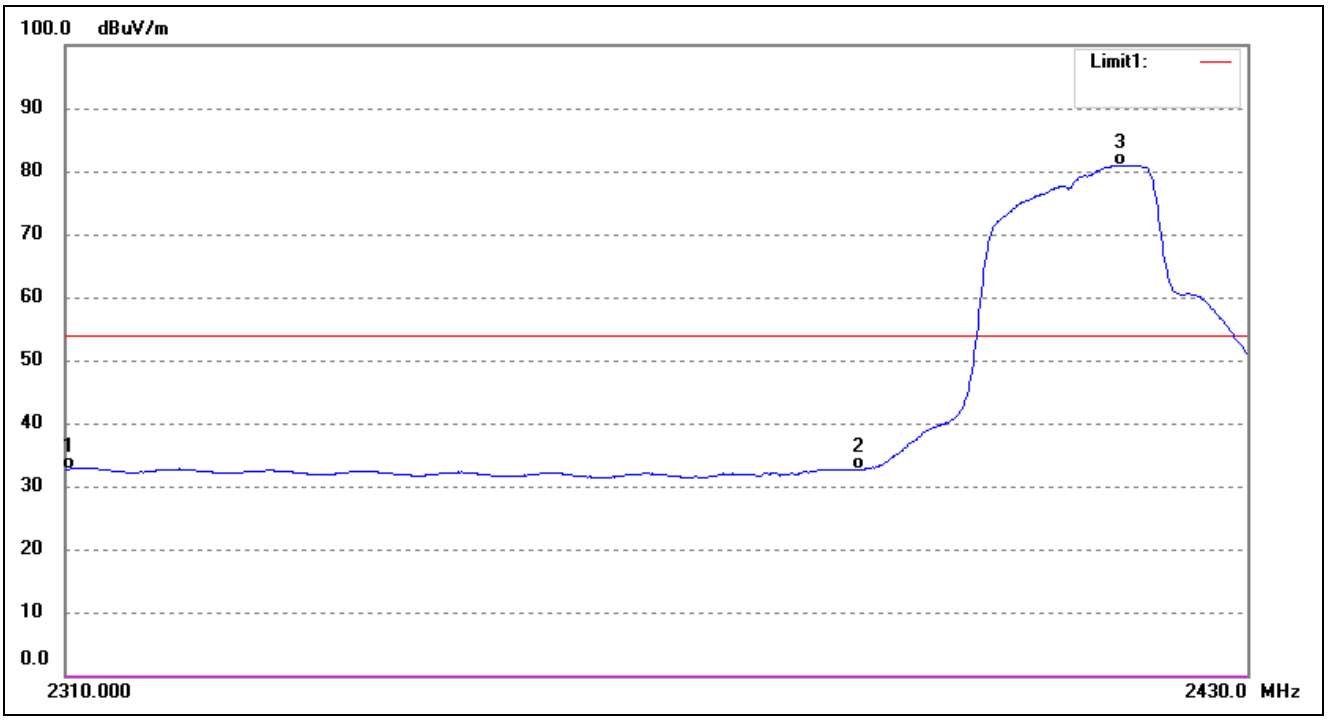
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2462.604	98.25	-7.31	90.94	/	/	Average Detector
	2463.301	100.91	-7.31	93.60	/	/	Peak Detector
2	2483.500	40.27	-7.28	32.99	54.00	-21.01	Average Detector
	2483.500	51.87	-7.28	44.59	74.00	-29.41	Peak Detector
3	2500.000	41.46	-7.25	34.21	54.00	-19.79	Average Detector
	2500.000	53.87	-7.25	46.62	74.00	-27.38	Peak Detector

802.11g-Lowest Bandedge

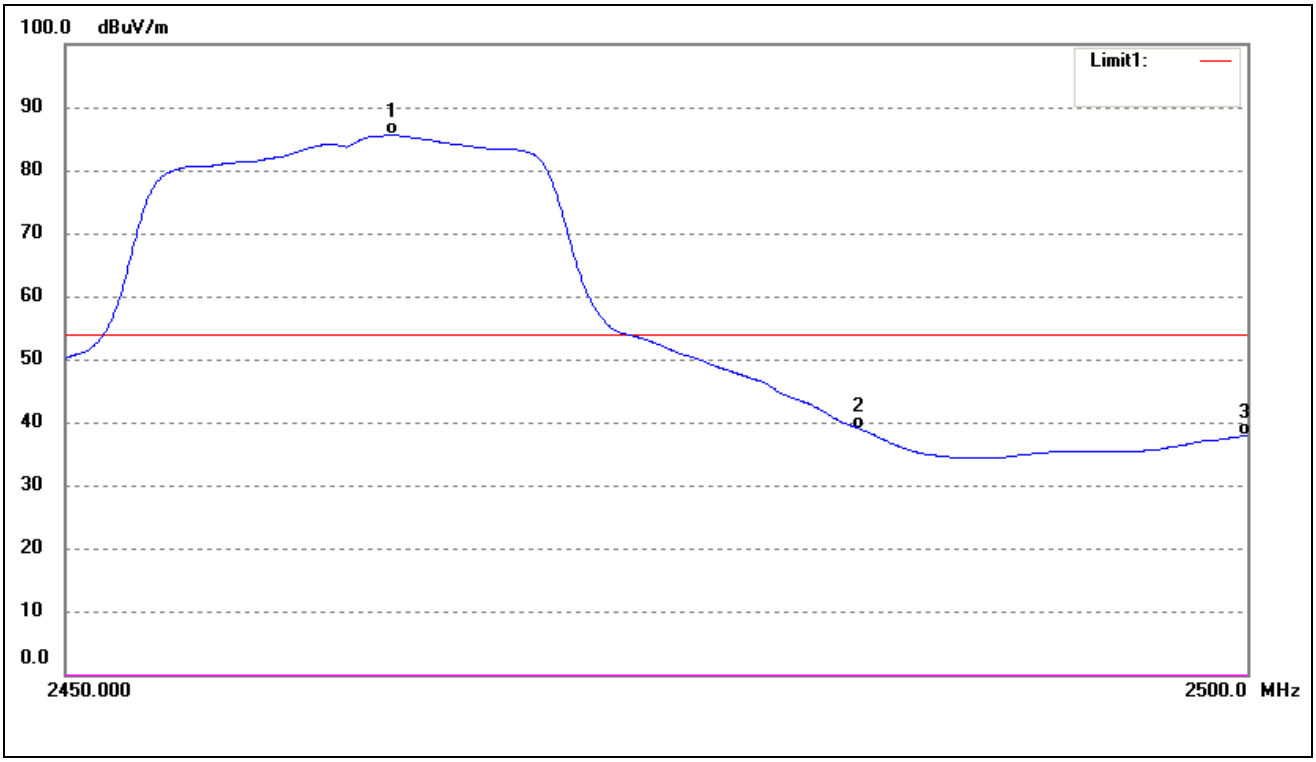
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2310.000	39.07	-6.38	32.69	54.00	-21.31	Average Detector
	2310.000	52.92	-6.38	46.54	74.00	-27.46	Peak Detector
2	2390.000	39.84	-7.26	32.58	54.00	-21.42	Average Detector
	2390.000	54.80	-7.26	47.54	74.00	-26.46	Peak Detector
3	2416.868	88.37	-7.39	80.98	/	/	Average Detector
	2416.501	98.99	-7.39	91.60	/	/	Peak Detector

802.11g-Highest Bandedge

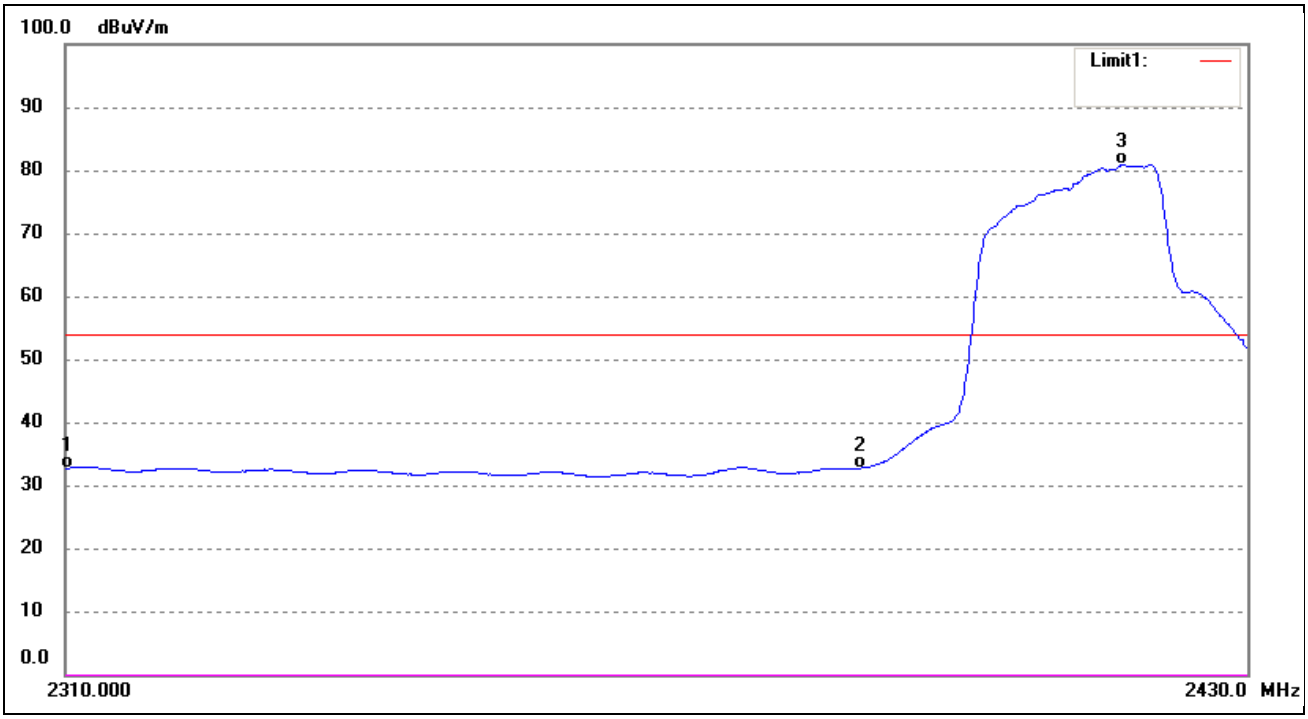
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2463.699	92.88	-7.31	85.57	/	/	Average Detector
	2463.052	103.28	-7.31	95.97	/	/	Peak Detector
2	2483.500	46.16	-7.28	38.88	54.00	-15.12	Average Detector
	2483.500	61.67	-7.28	54.39	74.00	-19.61	Peak Detector
3	2500.000	45.13	-7.25	37.88	54.00	-16.12	Average Detector
	2500.000	59.37	-7.25	52.12	74.00	-21.88	Peak Detector

802.11n-HT20-Lowest Bandedge

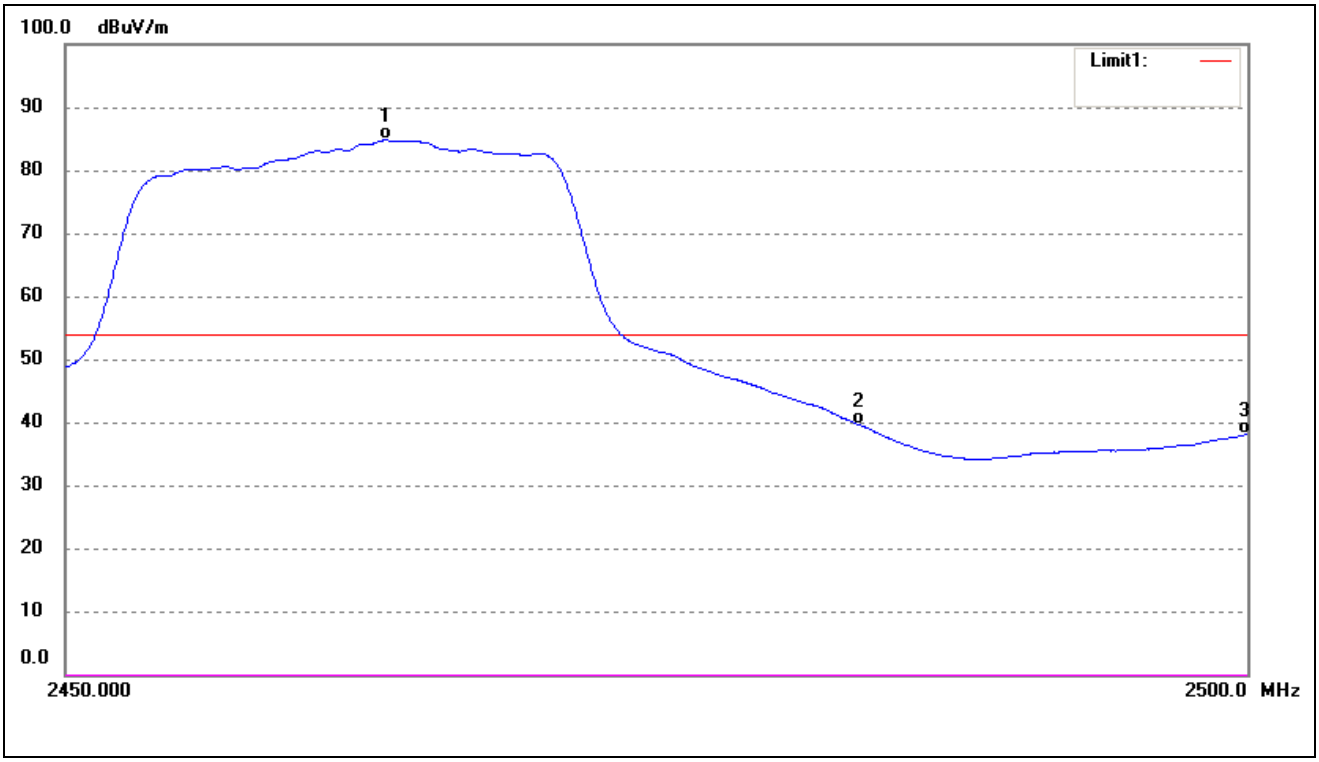
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2310.000	39.02	-6.38	32.64	54.00	-21.36	Average Detector
	2310.000	52.61	-6.38	46.23	74.00	-27.77	Peak Detector
2	2390.000	40.01	-7.26	32.75	54.00	-21.25	Average Detector
	2390.000	57.55	-7.26	50.29	74.00	-23.71	Peak Detector
3	2416.990	88.27	-7.39	80.88	/	/	Average Detector
	2415.032	99.42	-7.40	92.02	/	/	Peak Detector

802.11n-HT20-Highest Bandedge

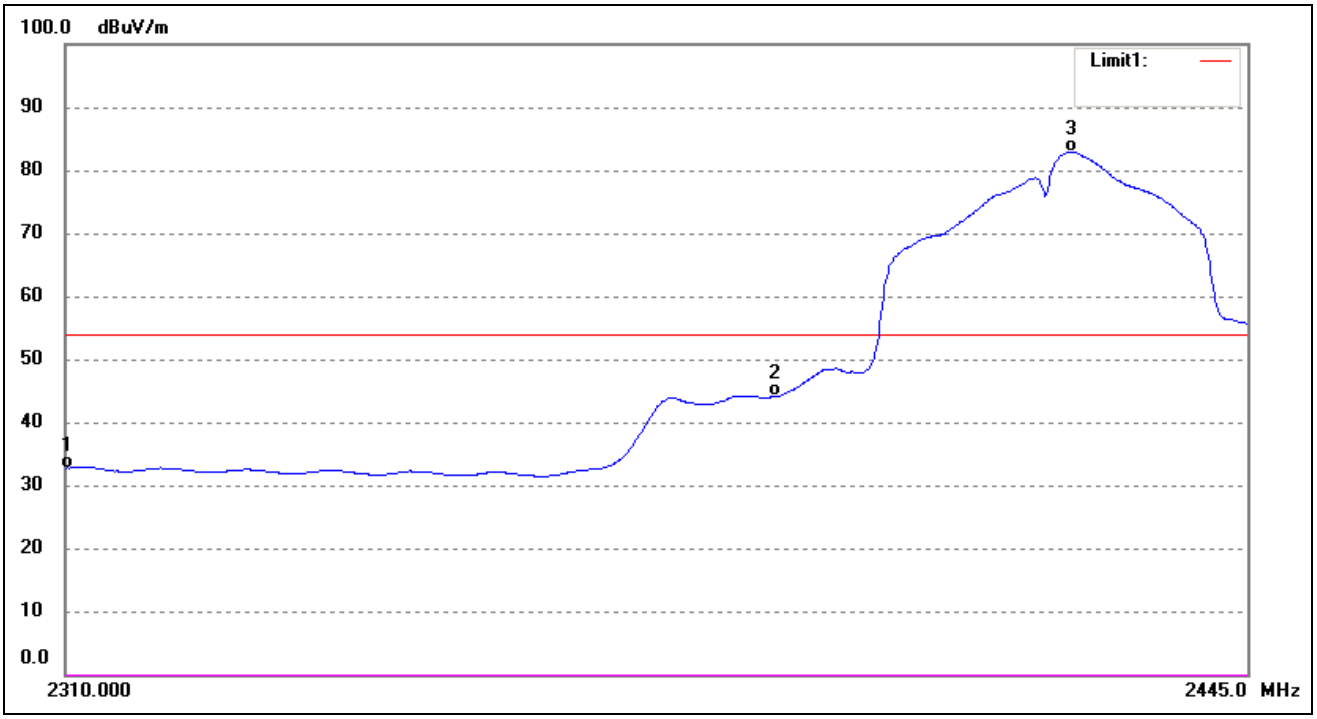
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2463.401	92.09	-7.31	84.78	/	/	Average Detector
	2465.143	102.70	-7.31	95.39	/	/	Peak Detector
2	2483.500	46.82	-7.28	39.54	54.00	-14.46	Average Detector
	2483.500	63.77	-7.28	56.49	74.00	-17.51	Peak Detector
3	2500.000	45.29	-7.25	38.04	54.00	-15.96	Average Detector
	2500.000	59.99	-7.25	52.74	74.00	-21.26	Peak Detector

802.11n-HT40-Lowest Bandedge

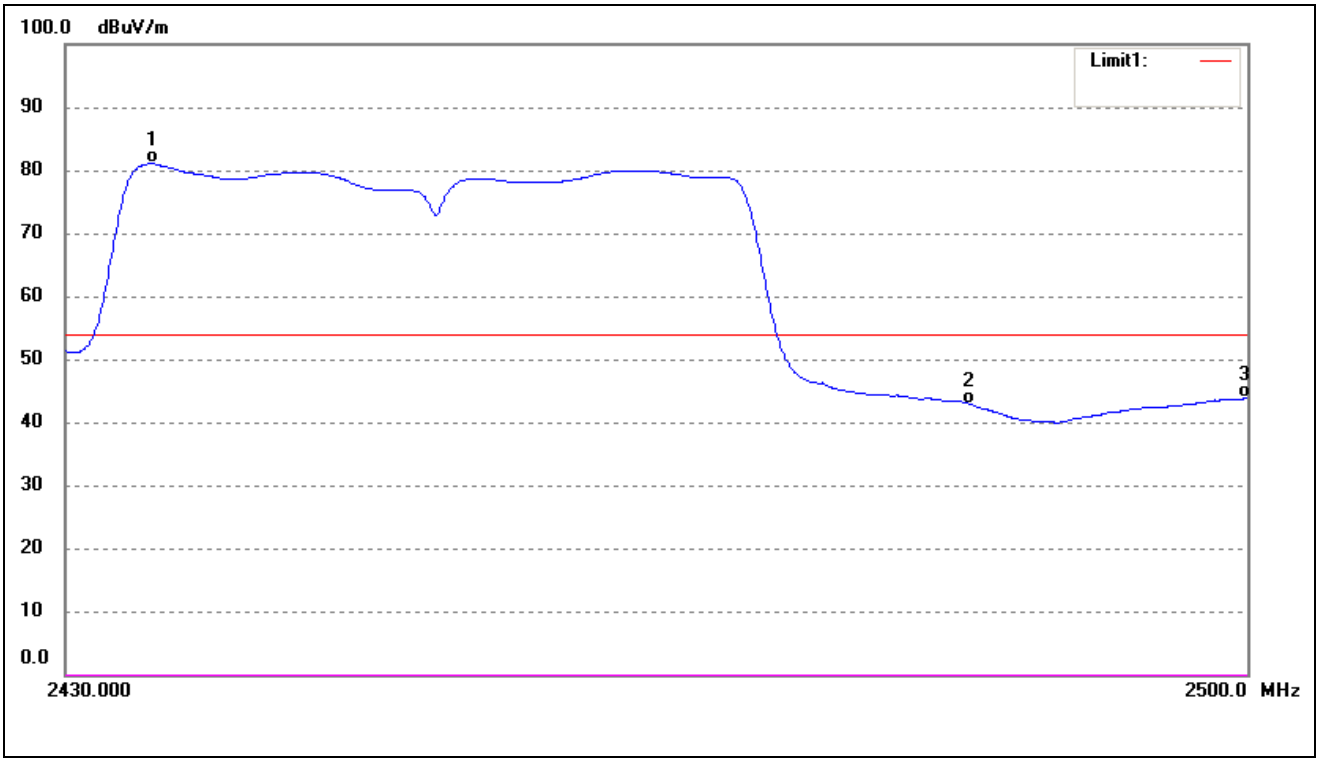
Vertical (Worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2310.000	39.04	-6.38	32.66	54.00	-21.34	Average Detector
	2310.000	52.20	-6.38	45.82	74.00	-28.18	Peak Detector
2	2390.000	51.36	-7.26	44.10	54.00	-9.90	Average Detector
	2390.000	67.57	-7.26	60.31	74.00	-13.69	Peak Detector
3	2425.080	91.92	-7.38	84.54	/	/	Average Detector
	2424.533	100.89	-7.38	93.51	/	/	Peak Detector

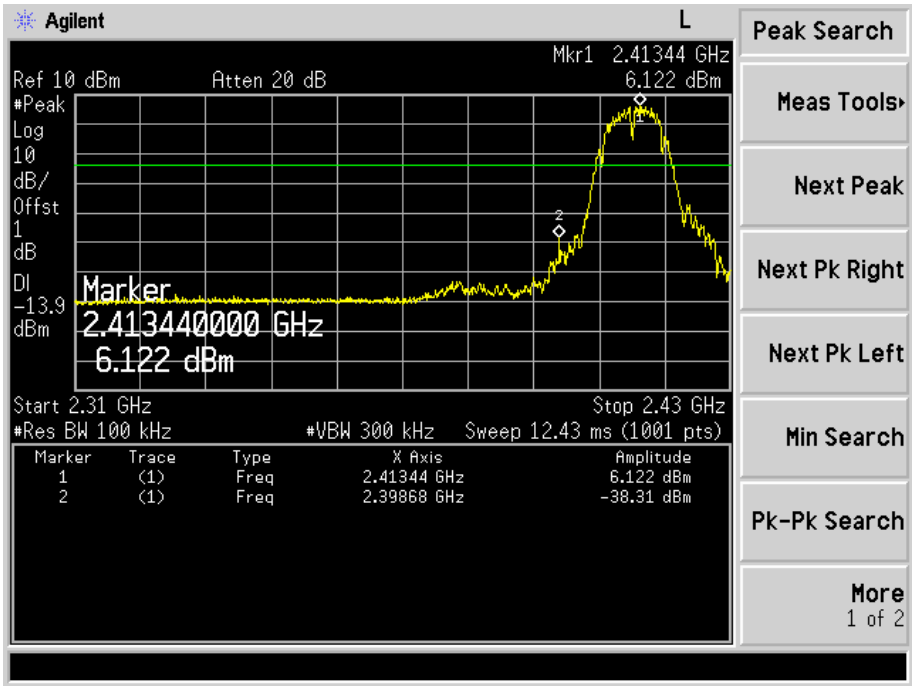
802.11n-HT40-Highest Bandedge

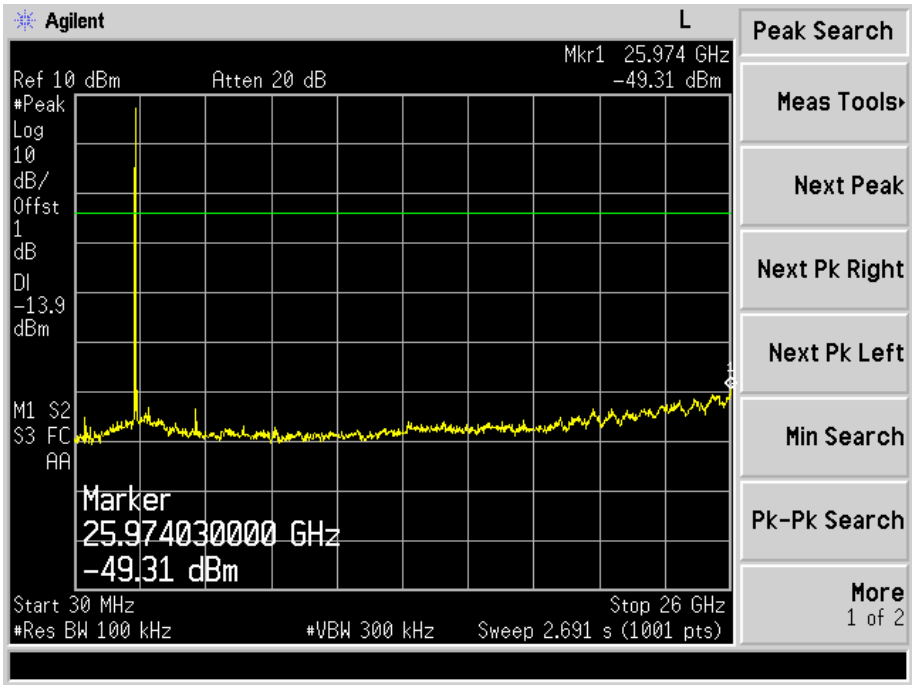
Vertical (Worst case)



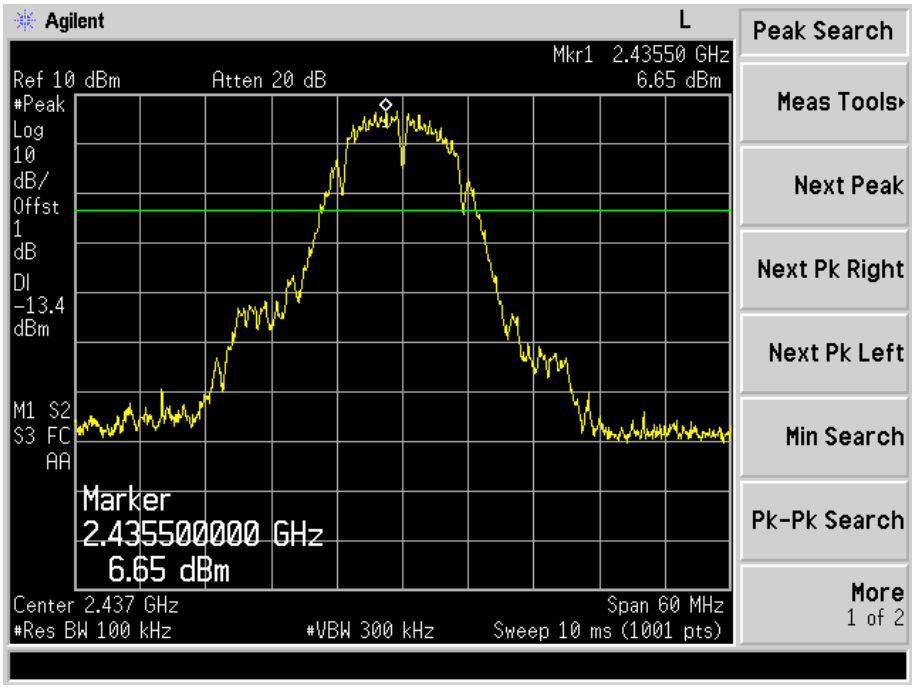
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2435.112	88.40	-7.37	81.03	/	/	Average Detector
	2435.043	99.02	-7.37	91.65	/	/	Peak Detector
2	2483.500	50.04	-7.28	42.76	54.00	-11.24	Average Detector
	2483.500	65.33	-7.28	58.05	74.00	-15.95	Peak Detector
3	2500.000	51.03	-7.25	43.78	54.00	-10.22	Average Detector
	2500.000	69.44	-7.25	62.19	74.00	-11.81	Peak Detector

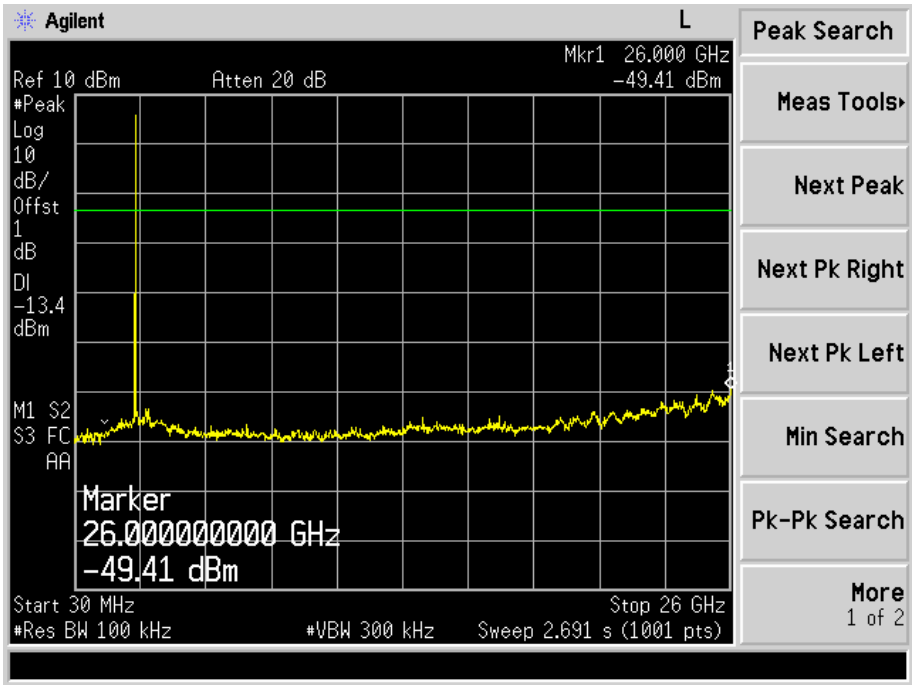
Spurious (Conducted)
802.11b-Lowest
Lowest



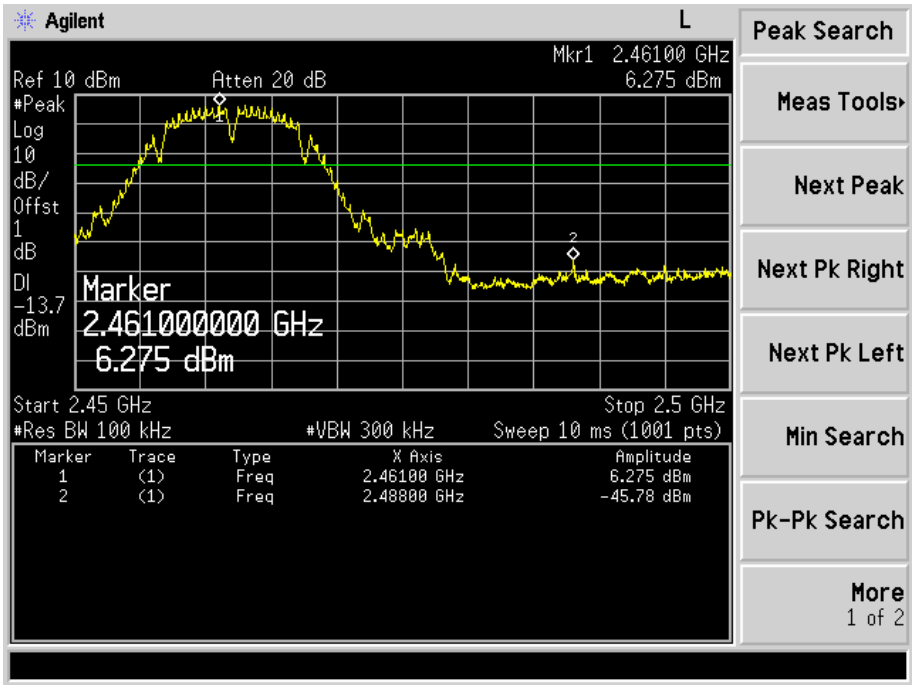


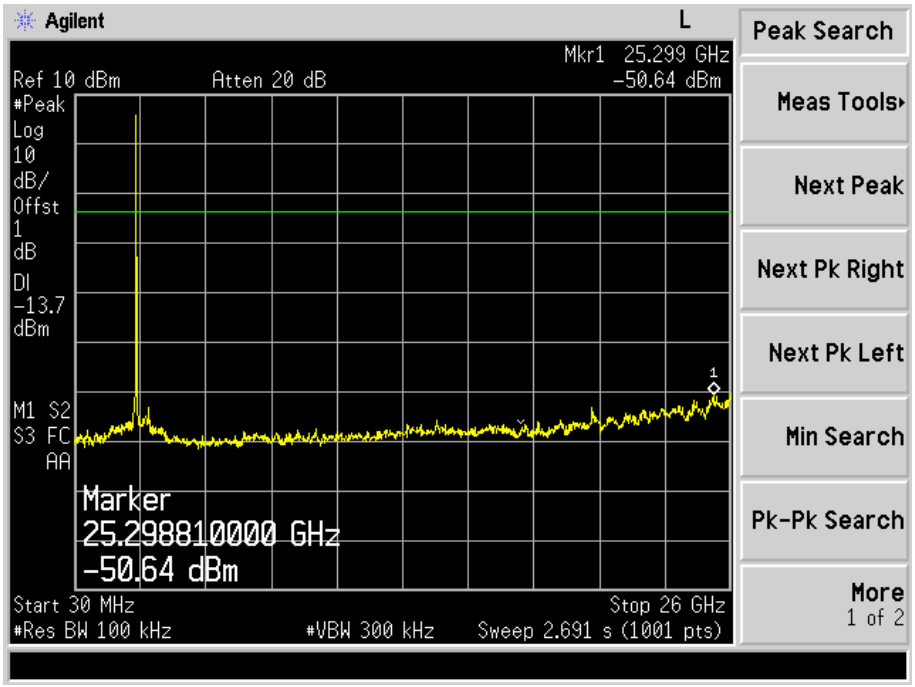
Middle


Agilent
L
Mkr1 2.43550 GHz
6.65 dBm
Ref 10 dBm
Atten 20 dB
#Peak
Log
10
dB/
Offst
1
dB
Dl
-13.4
dBm
M1 S2
S3 FC
AA
Marker
2.435500000 GHz
6.65 dBm
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 10 ms (1001 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

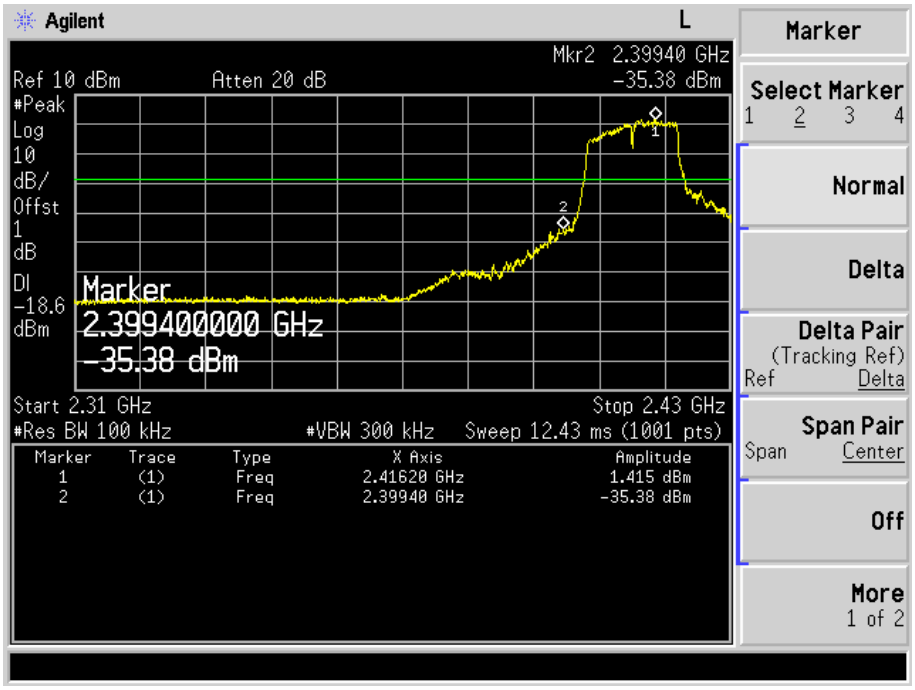

Agilent
L
Mkr1 26.000 GHz
-49.41 dBm
Ref 10 dBm
Atten 20 dB
#Peak
Log
10
dB/
Offst
1
dB
Dl
-13.4
dBm
M1 S2
S3 FC
AA
Marker
26.000000000 GHz
-49.41 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26 GHz
Sweep 2.691 s (1001 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

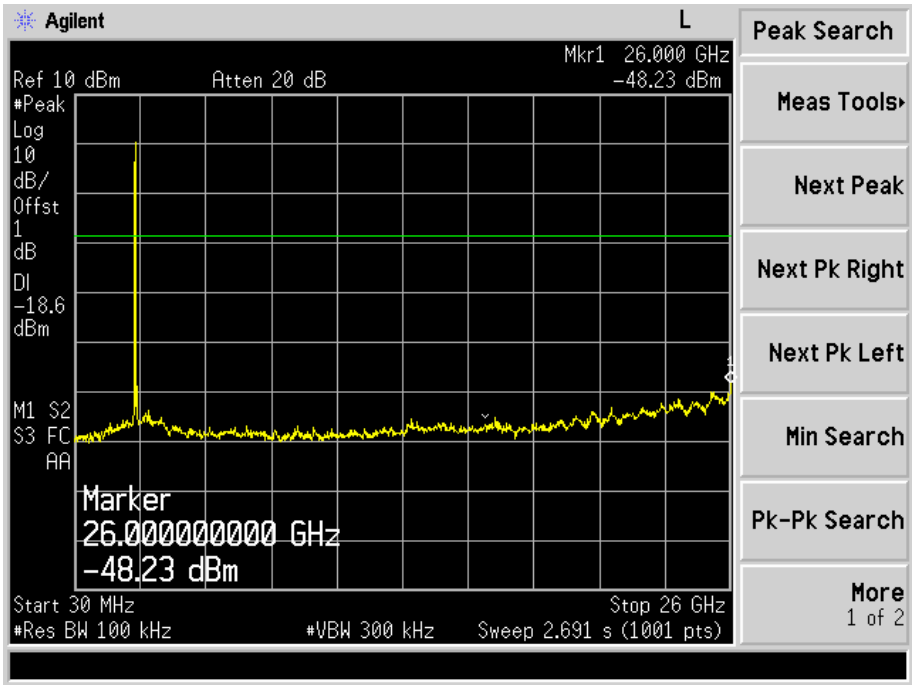
Highest


Agilent
L
Mkr1 2.46100 GHz
Ref 10 dBm
Atten 20 dB
6.275 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-13.7
dBm
Marker
2.461000000 GHz
6.275 dBm
Start 2.45 GHz
Stop 2.5 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 10 ms (1001 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.46100 GHz 6.275 dBm
2 (1) Freq 2.48800 GHz -45.78 dBm
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

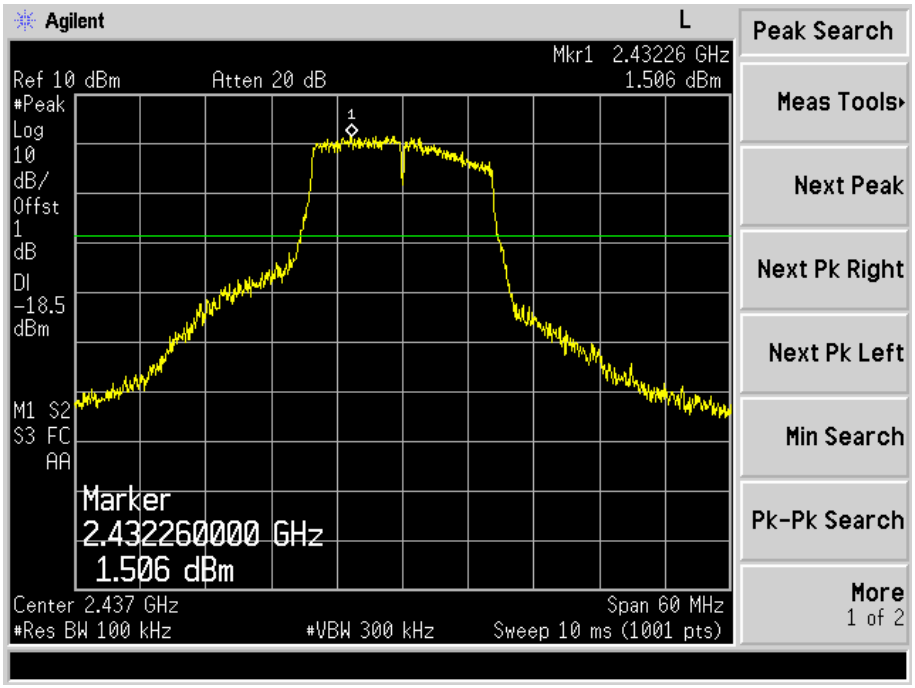

Agilent
L
Mkr1 25.299 GHz
Ref 10 dBm
Atten 20 dB
-50.64 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-13.7
dBm
M1 S2
S3 FC
AA
Marker
25.298810000 GHz
-50.64 dBm
Start 30 MHz
Stop 26 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.691 s (1001 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

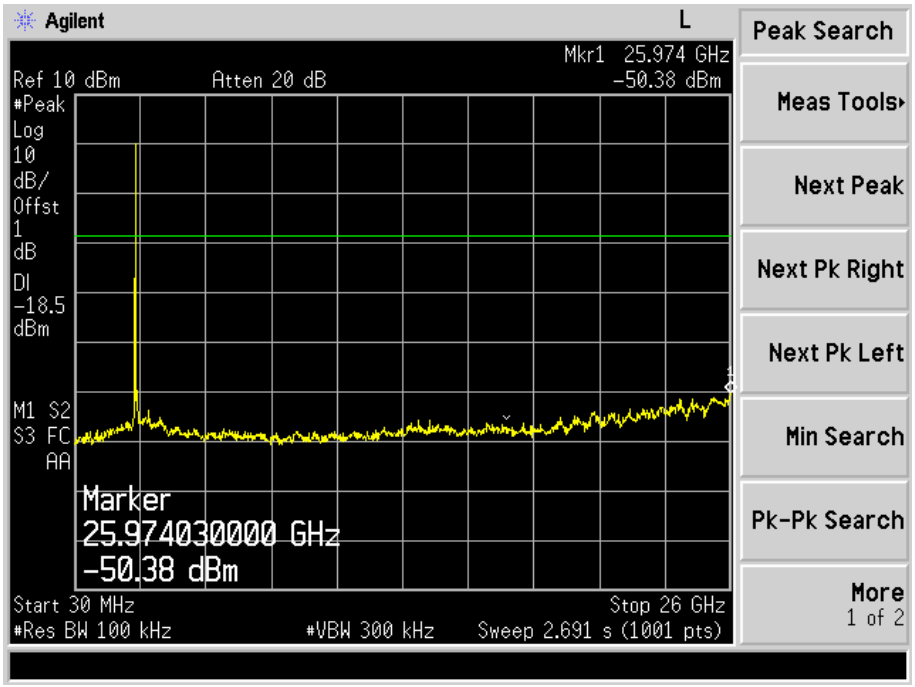
Spurious (Conducted)
802.11g-Lowest
Lowest



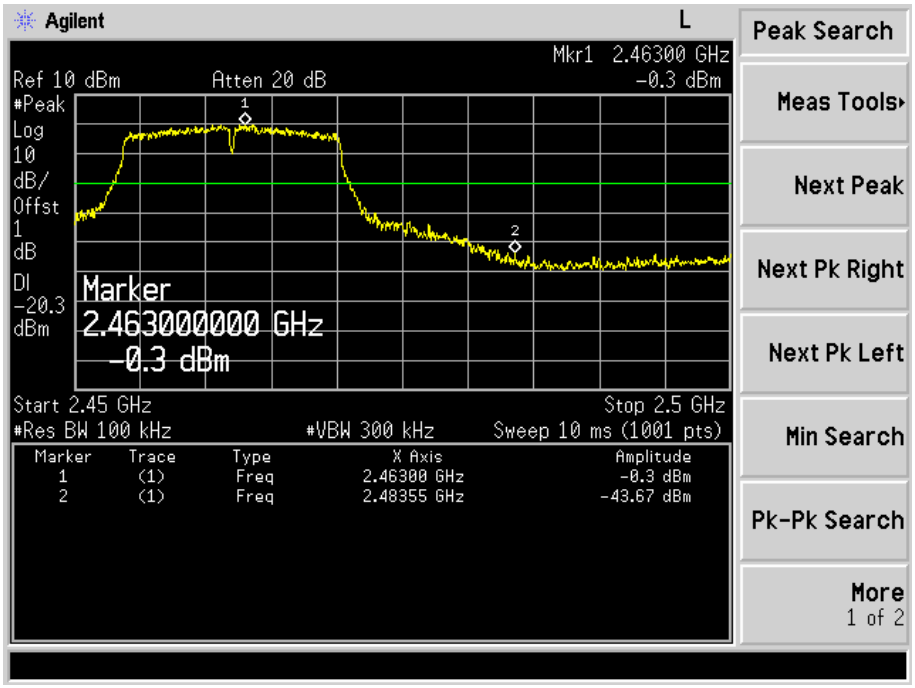


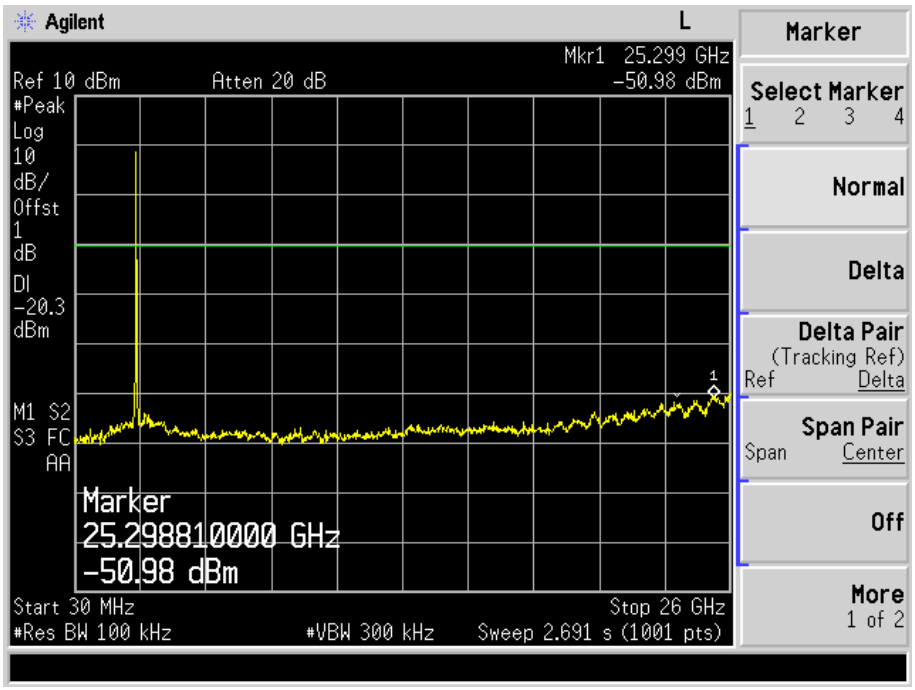
Middle


Agilent
L
Mkr1 2.43226 GHz
1.506 dBm
Ref 10 dBm
Atten 20 dB
#Peak
Log
10
dB/
Offst
1
dB
Dl
-18.5
dBm
M1 S2
S3 FC
AA
Marker
2.432260000 GHz
1.506 dBm
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 10 ms (1001 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

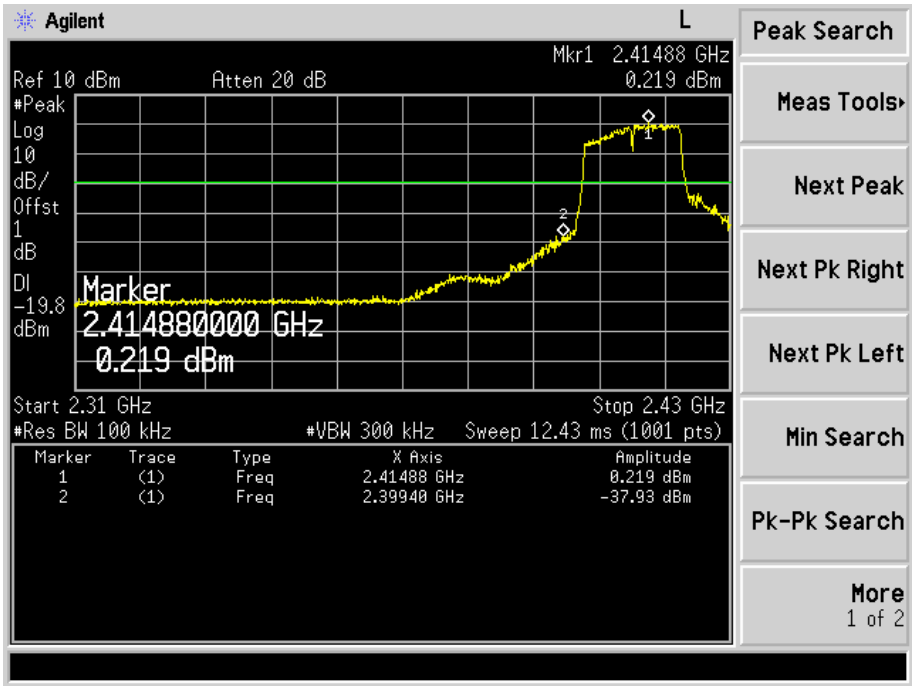

Agilent
L
Mkr1 25.974 GHz
-50.38 dBm
Ref 10 dBm
Atten 20 dB
#Peak
Log
10
dB/
Offst
1
dB
Dl
-18.5
dBm
M1 S2
S3 FC
AA
Marker
25.974030000 GHz
-50.38 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26 GHz
Sweep 2.691 s (1001 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

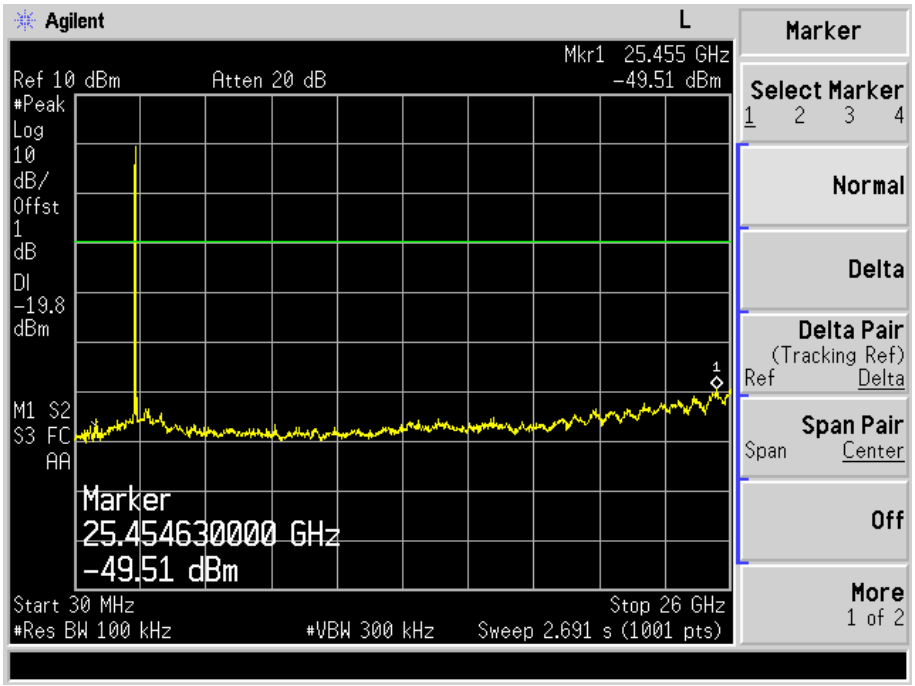
Highest


Agilent
L
Mkr1 2.46300 GHz
Ref 10 dBm
Atten 20 dB
-0.3 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-20.3
dBm
Marker
2.463000000 GHz
-0.3 dBm
Start 2.45 GHz
Stop 2.5 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 10 ms (1001 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.46300 GHz -0.3 dBm
2 (1) Freq 2.48355 GHz -43.67 dBm
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

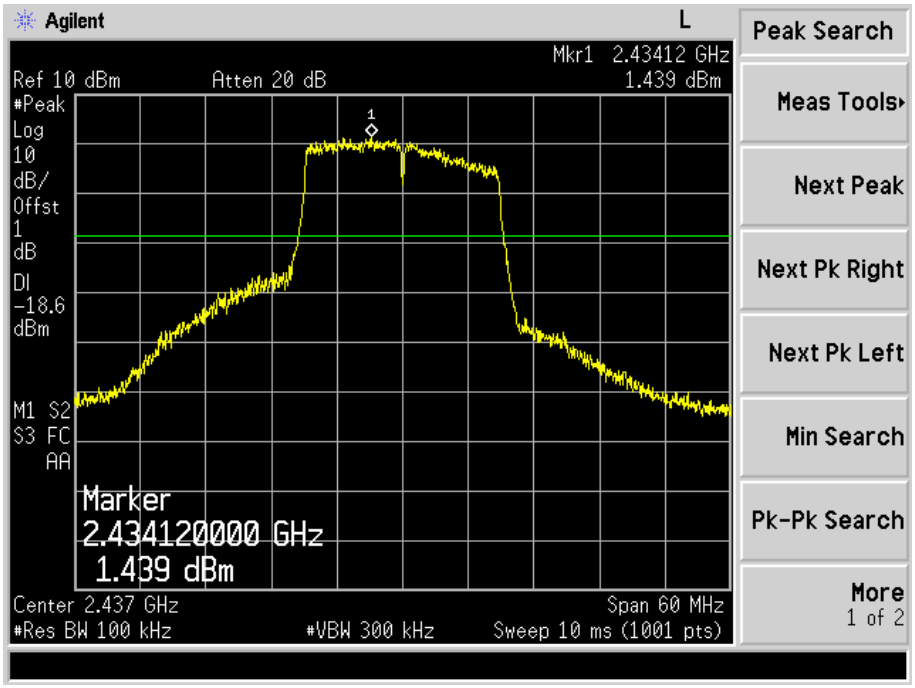

Agilent
L
Mkr1 25.299 GHz
Ref 10 dBm
Atten 20 dB
-50.98 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-20.3
dBm
M1 S2
S3 FC
AA
Marker
25.298810000 GHz
-50.98 dBm
Start 30 MHz
Stop 26 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.691 s (1001 pts)
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2

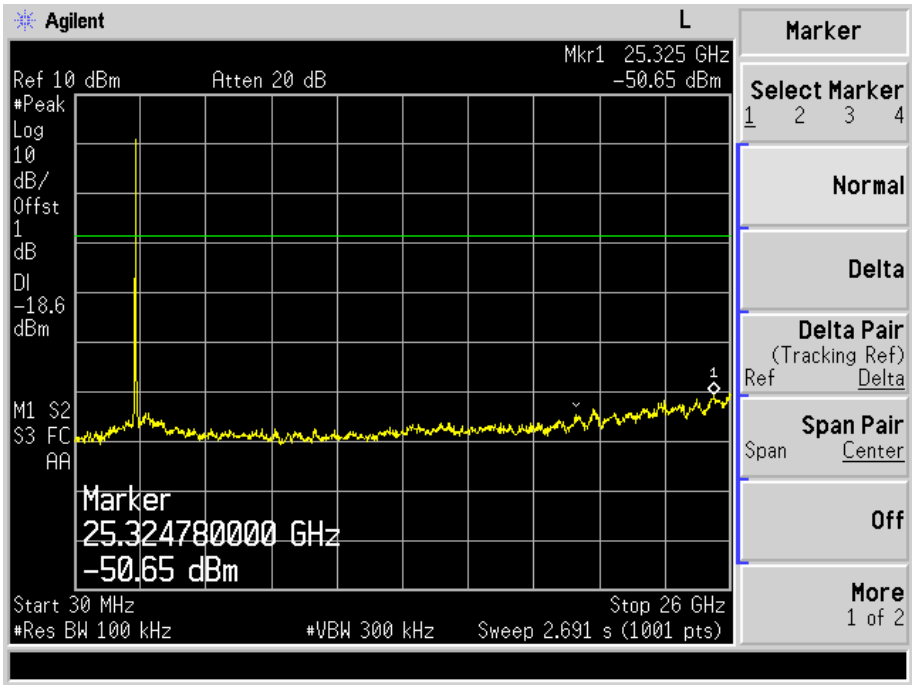
Spurious (Conducted)
802.11n-HT20-Lowest
Lowest



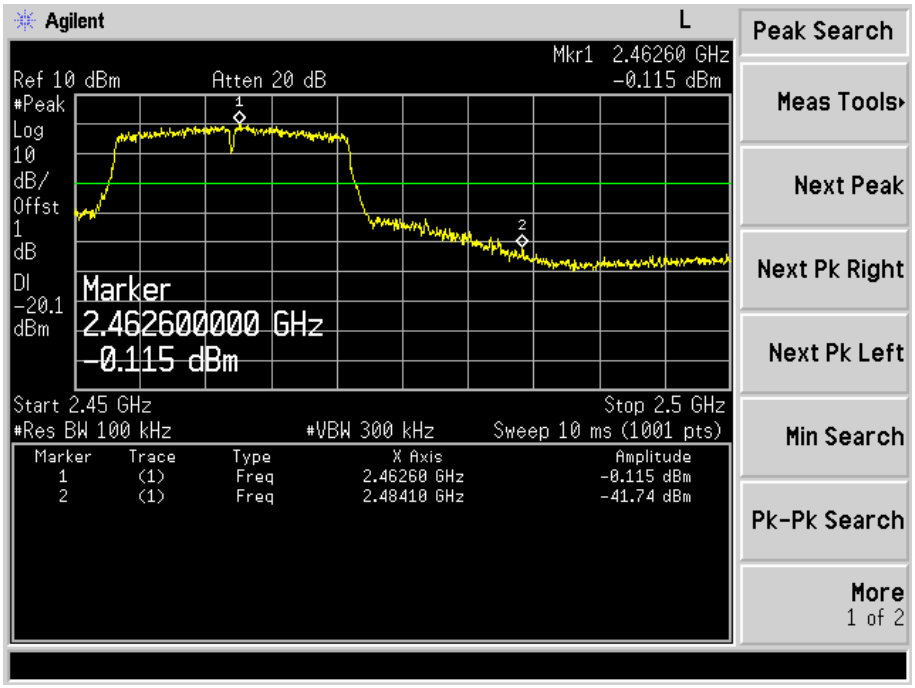


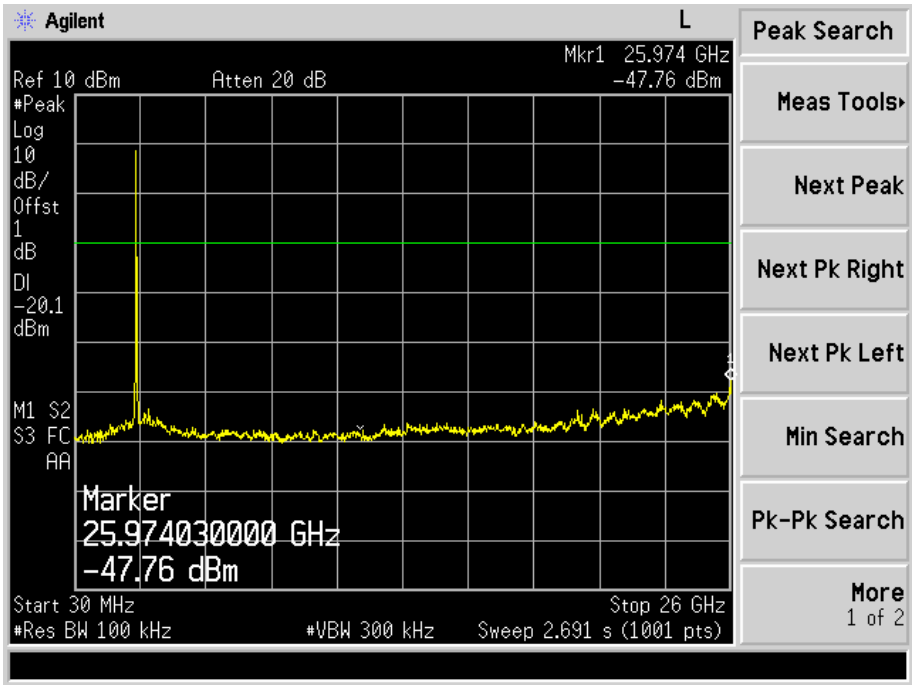
Middle


Agilent
L
Mkr1 2.43412 GHz
1.439 dBm
Ref 10 dBm
Atten 20 dB
#Peak
Log
10
dB/
Offst
1
dB
Dl
-18.6
dBm
M1 S2
S3 FC
AA
Marker
2.434120000 GHz
1.439 dBm
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 10 ms (1001 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

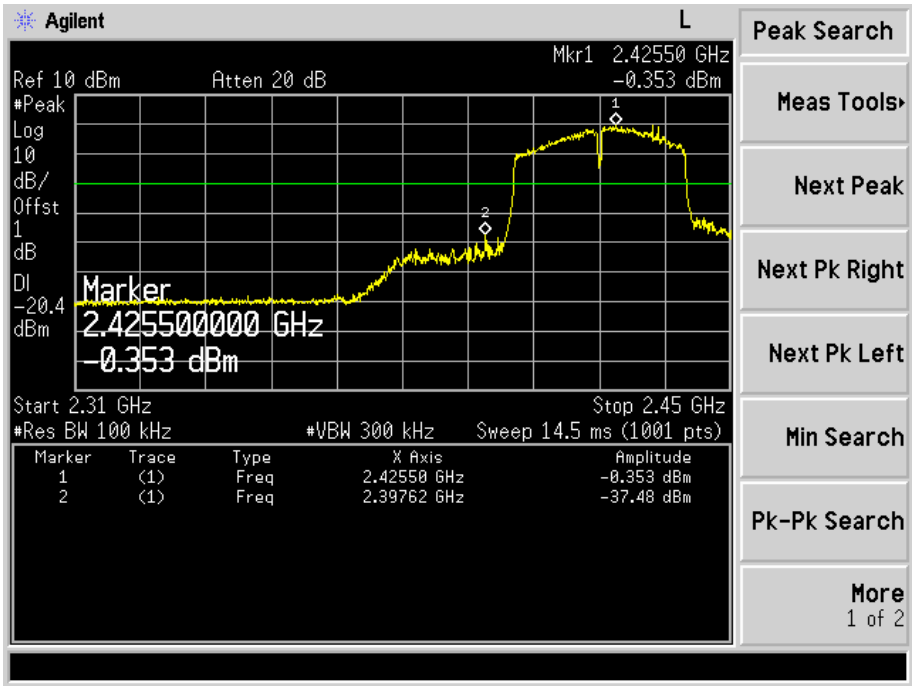

Agilent
L
Mkr1 25.325 GHz
-50.65 dBm
Ref 10 dBm
Atten 20 dB
#Peak
Log
10
dB/
Offst
1
dB
Dl
-18.6
dBm
M1 S2
S3 FC
AA
Marker
25.324780000 GHz
-50.65 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26 GHz
Sweep 2.691 s (1001 pts)
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2

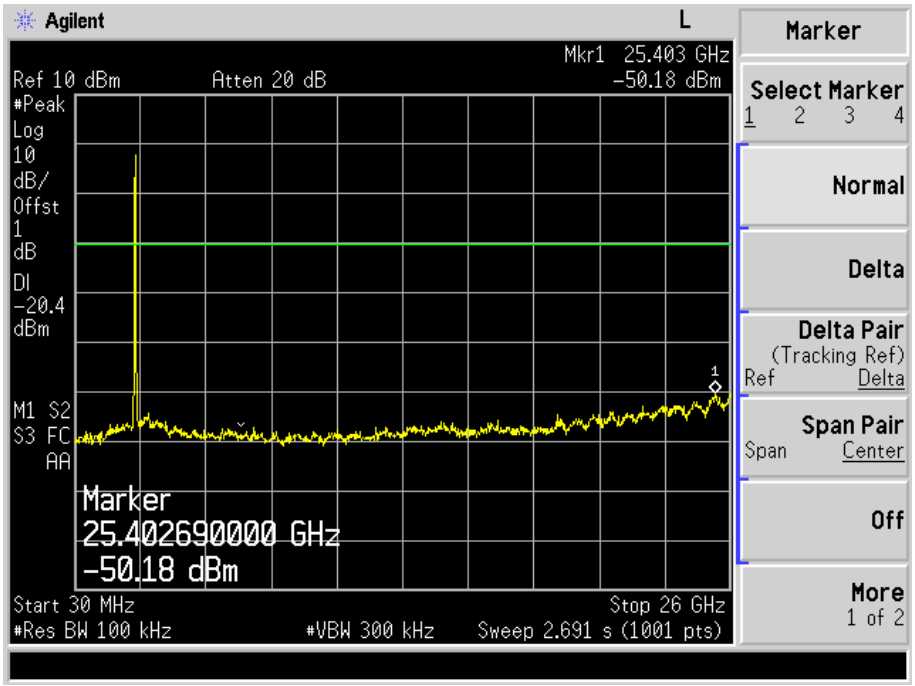
Highest


Agilent
L
Mkr1 2.46260 GHz
Ref 10 dBm
Atten 20 dB
-0.115 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-20.1
dBm
Marker
2.462600000 GHz
-0.115 dBm
Start 2.45 GHz
Stop 2.5 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 10 ms (1001 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.46260 GHz -0.115 dBm
2 (1) Freq 2.48410 GHz -41.74 dBm
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

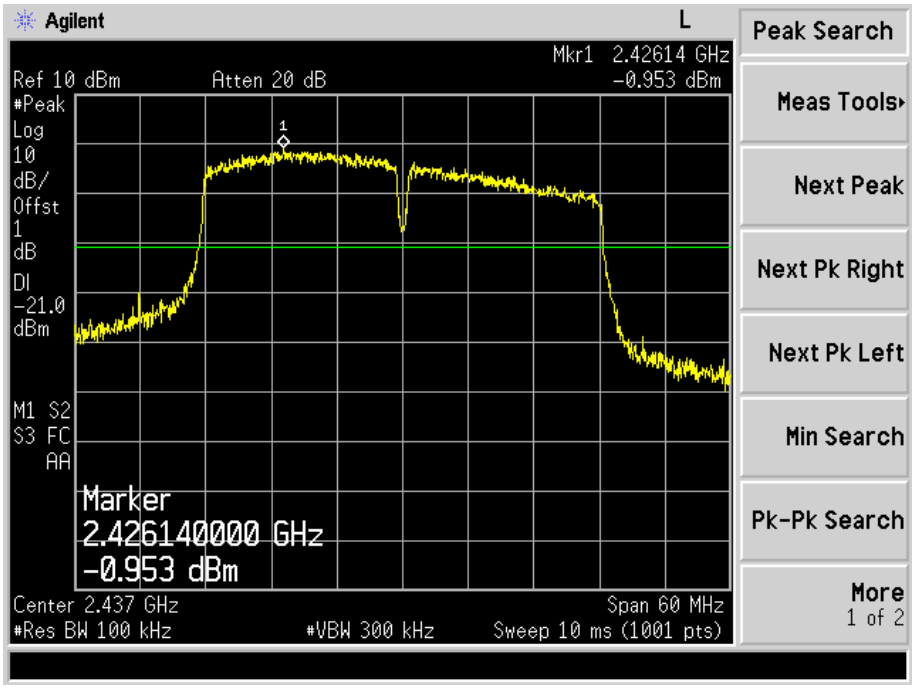

Agilent
L
Mkr1 25.974 GHz
Ref 10 dBm
Atten 20 dB
-47.76 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-20.1
dBm
M1 S2
S3 FC
AA
Marker
25.974030000 GHz
-47.76 dBm
Start 30 MHz
Stop 26 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.691 s (1001 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

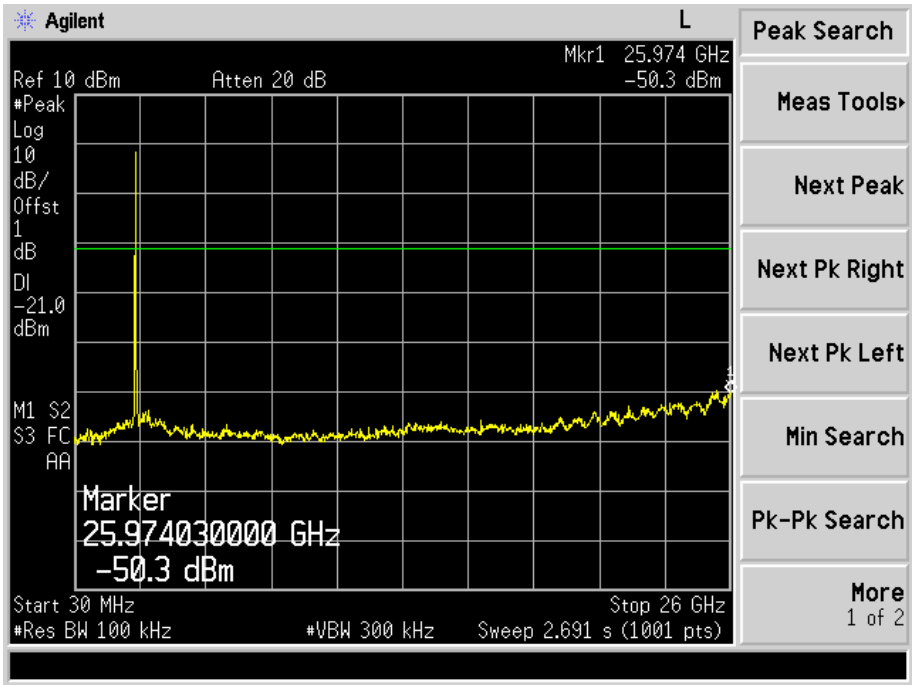
Spurious (Conducted)
802.11n-HT40-Lowest
Lowest



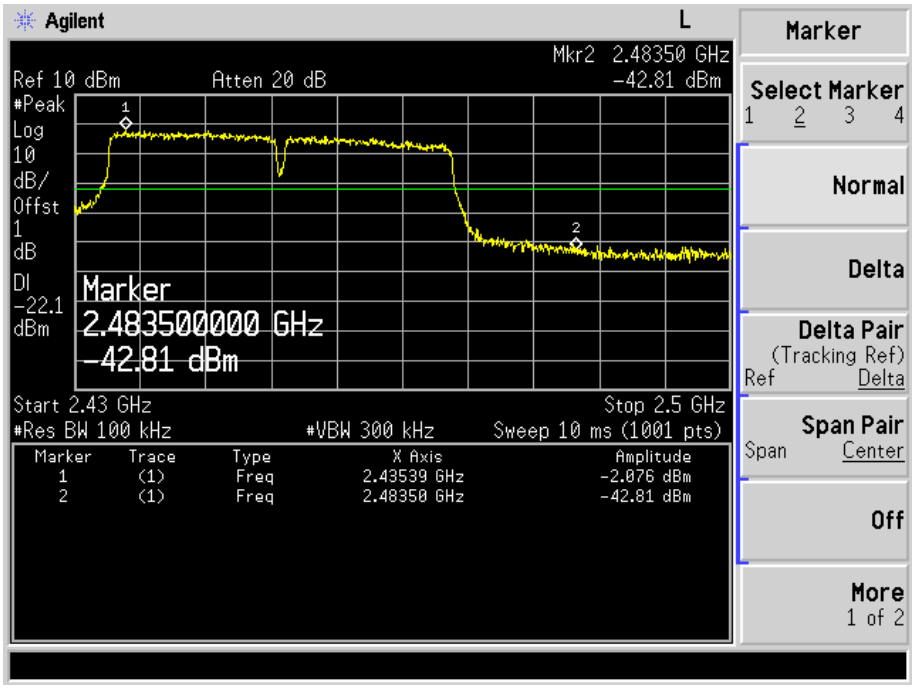


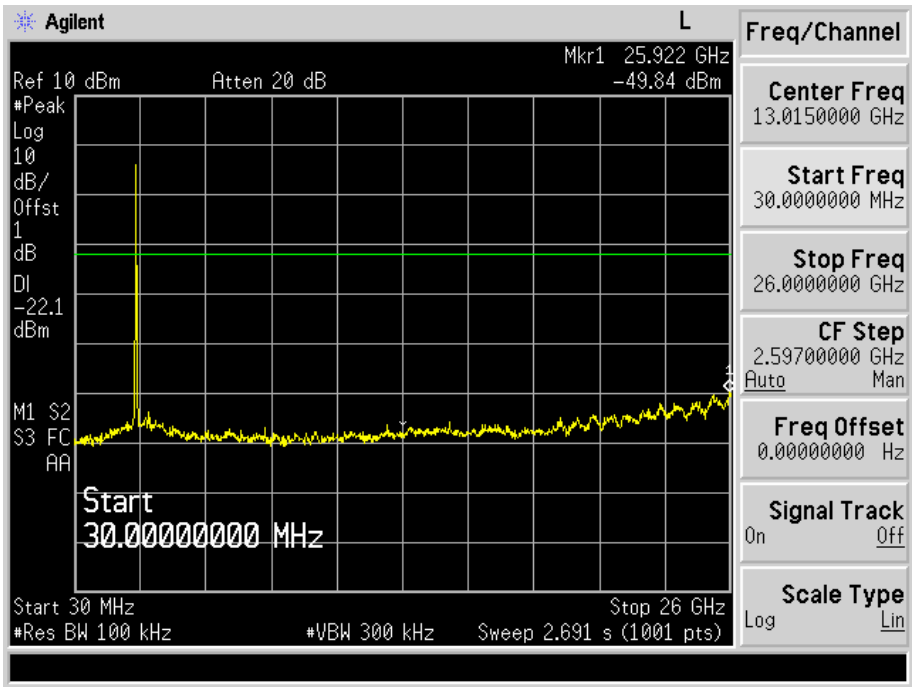
Middle


Agilent
L
Mkr1 2.42614 GHz
-0.953 dBm
Ref 10 dBm
Atten 20 dB
#Peak
Log
10
dB/
Offst
1
dB
Dl
-21.0
dBm
M1 S2
S3 FC
AA
Marker
2.426140000 GHz
-0.953 dBm
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 10 ms (1001 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2


Agilent
L
Mkr1 25.974 GHz
-50.3 dBm
Ref 10 dBm
Atten 20 dB
#Peak
Log
10
dB/
Offst
1
dB
Dl
-21.0
dBm
M1 S2
S3 FC
AA
Marker
25.974030000 GHz
-50.3 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26 GHz
Sweep 2.691 s (1001 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

Highest


Agilent
L
Mkr2 2.48350 GHz
Ref 10 dBm
Atten 20 dB
-42.81 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-22.1
dBm
Marker
2.483500000 GHz
-42.81 dBm
Start 2.43 GHz
Stop 2.5 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 10 ms (1001 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.43539 GHz -2.076 dBm
2 (1) Freq 2.48350 GHz -42.81 dBm
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2

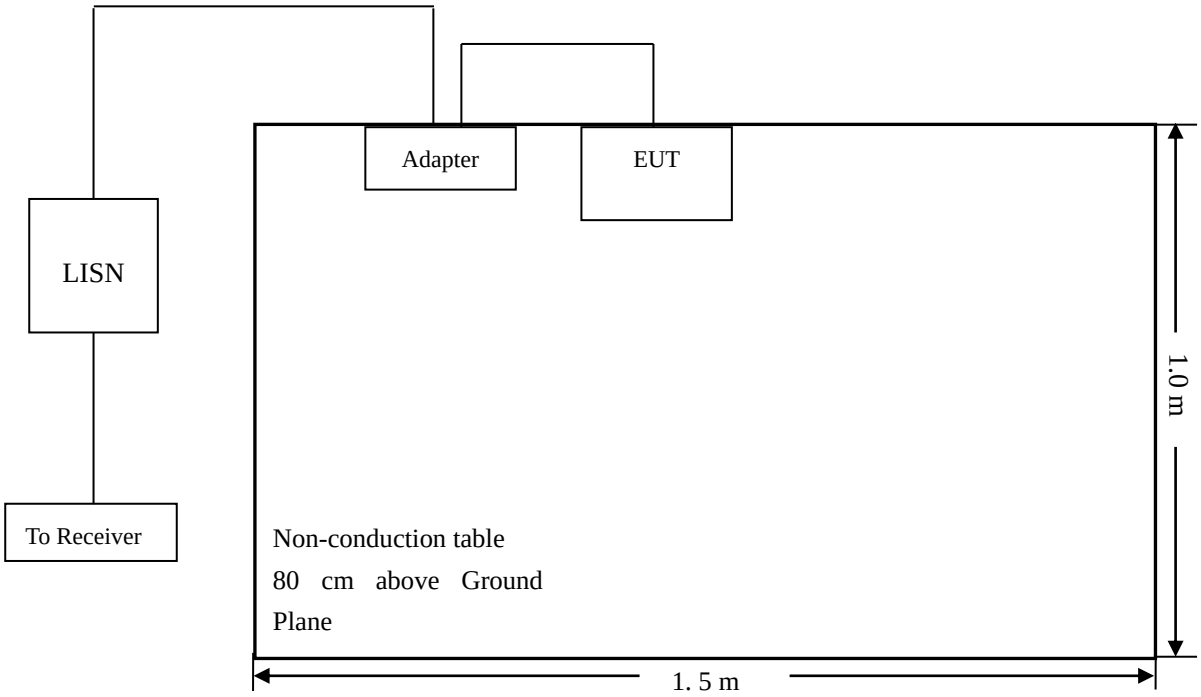

Agilent
L
Mkr1 25.922 GHz
Ref 10 dBm
Atten 20 dB
-49.84 dBm
#Peak
Log
10
dB/
Offst
1
dB
Dl
-22.1
dBm
M1 S2
S3 FC
AA
Start
30.00000000 MHz
Start 30 MHz
Stop 26 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.691 s (1001 pts)
Freq/Channel
Center Freq
13.0150000 GHz
Start Freq
30.0000000 MHz
Stop Freq
26.0000000 GHz
CF Step
2.59700000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

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:

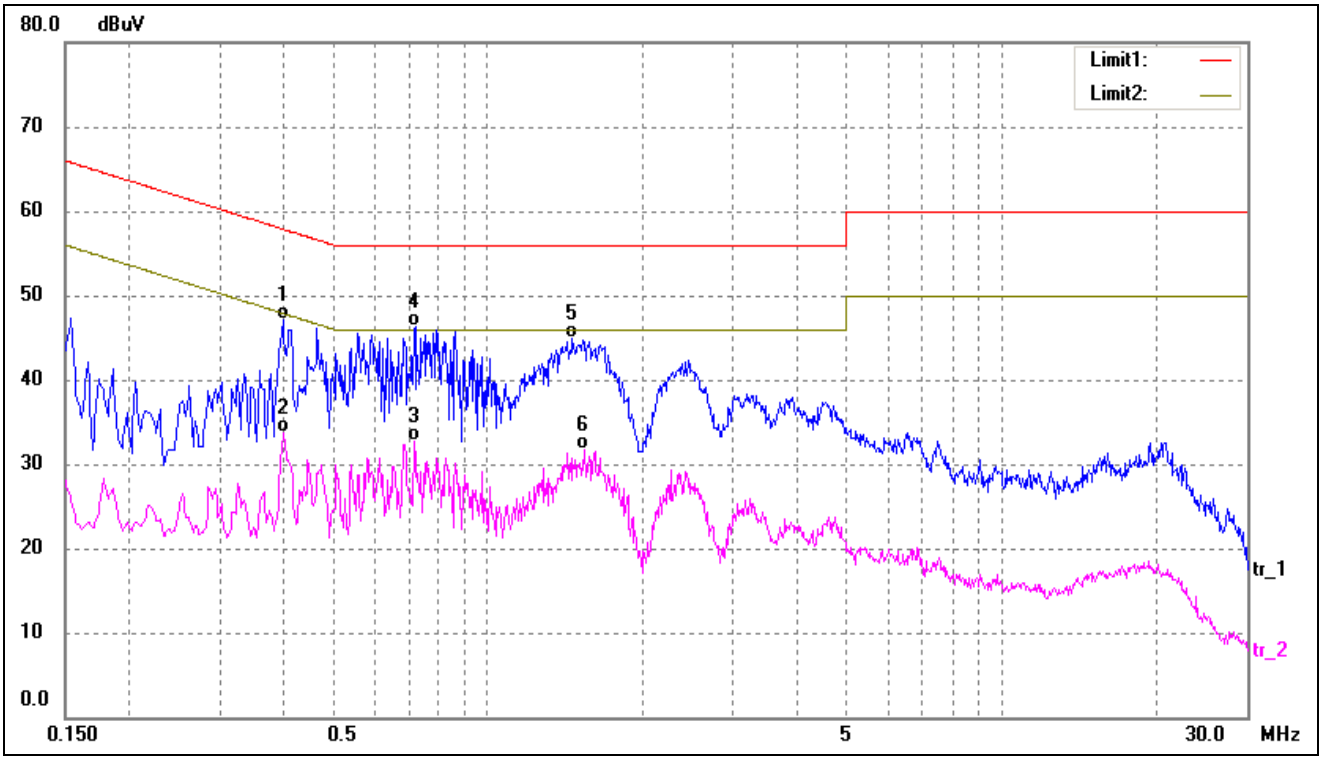
-9.58 dB at 0.4020 MHz in the **Line** mode**, QP** detector, **0.15-30MHz**

10.6 Conducted Emissions Test Data

Plot of Conducted Emissions Test Data

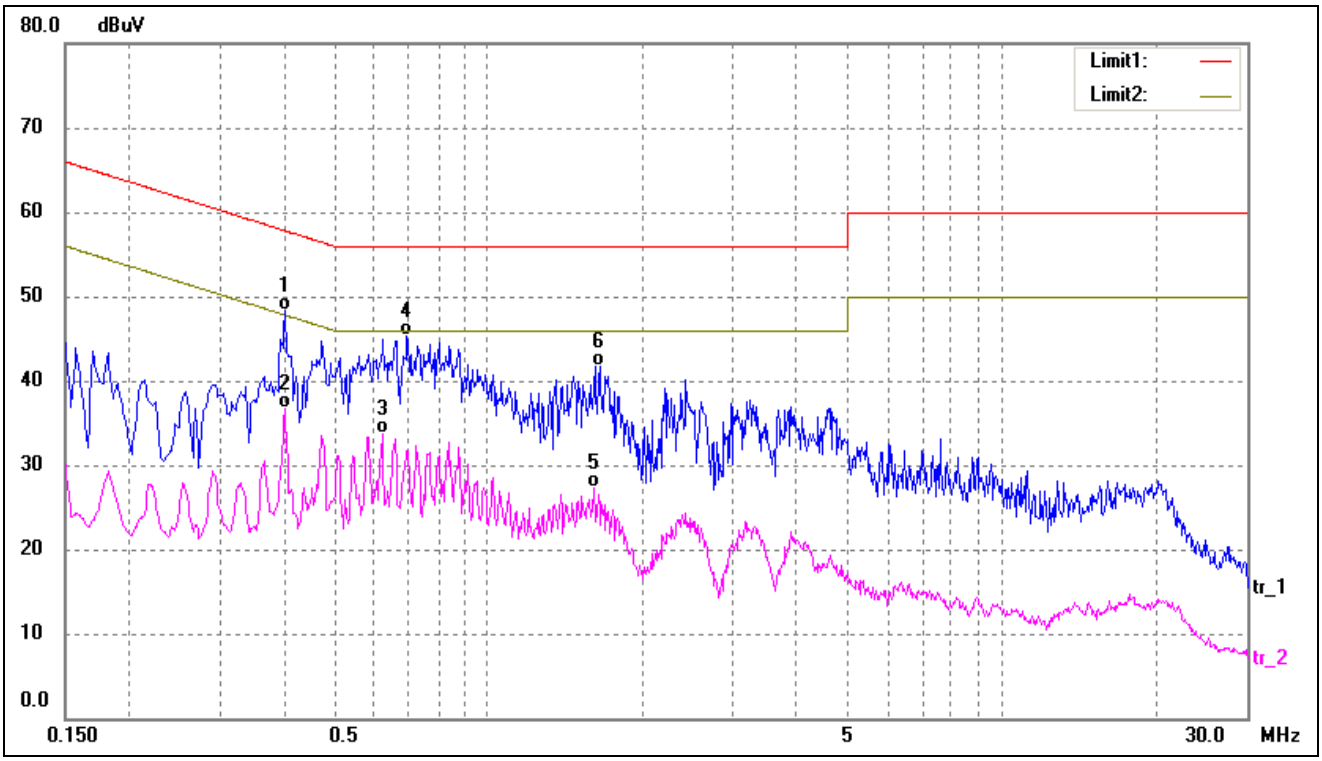
EUT: *ARB LINX*
Tested Model: *7450502*
Operating Condition: *Transmitting(Wi-Fi)*
Comment: *AC 120V/60Hz; Adapter DC 5V*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.3980	37.39	9.80	47.19	57.90	-10.71	QP
2	0.3980	23.89	9.80	33.69	47.90	-14.21	AVG
3	0.7180	22.90	9.78	32.68	46.00	-13.32	AVG
4*	0.7220	36.50	9.78	46.28	56.00	-9.72	QP
5	1.4620	35.11	9.75	44.86	56.00	-11.14	QP
6	1.5380	21.91	9.75	31.66	46.00	-14.34	AVG

Test Specification: *Line*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.4020	38.43	9.80	48.23	57.81	-9.58	QP
2	0.4020	26.82	9.80	36.62	47.81	-11.19	AVG
3	0.6220	23.91	9.79	33.70	46.00	-12.30	AVG
4	0.6940	35.57	9.78	45.35	56.00	-10.65	QP
5	1.6020	17.58	9.74	27.32	46.00	-18.68	AVG
6	1.6500	31.99	9.74	41.73	56.00	-14.27	QP

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