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# FCC Test Report

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Report No.: AGC00901130904FE04

**FCC ID** : 2AAQHD80A11-2M

**APPLICATION PURPOSE** : Original Equipment

**PRODUCT DESIGNATION** : Tablet PC

**BRAND NAME** : AOC/AAPPAA /YARVIK/MULTILASER

**MODEL NAME** : D80A11-2M, D80A11-2C, D79A12-2C, D79A12-2N,  
D79A12-2M, D79A16G-2M, D79A17G-2M, D79A17G-2S,  
D79A17G-2C, D79A17G-2N

**CLIENT** : AAPPAA TECHNOLOGY(HK) LIMITED

**DATE OF ISSUE** : Sep.27, 2013

**STANDARD(S)** : FCC Part 15 Rules

**REPORT VERSION** : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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### Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Sep.27, 2013	Valid	Original Report

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## 1. VERIFICATION OF CONFORMITY

<b>Applicant</b>	AAPPA TECHNOLOGY(HK) LIMITED
<b>Address</b>	4F, BUILDING 5 SANWEIHUFENG 1ST TECH PARK, XIXIANG, BAO'AN, SHENZHEN
<b>Manufacturer</b>	AAPPA TECHNOLOGY(HK) LIMITED
<b>Address</b>	4F, BUILDING 5 SANWEIHUFENG 1ST TECH PARK, XIXIANG, BAO'AN, SHENZHEN
<b>Product Designation</b>	Tablet PC
<b>Brand Name</b>	AOC/AAPPA /YARVIK/MULTILASER
<b>Test Model</b>	D80A11-2M
<b>Series Model</b>	D80A11-2C, D79A12-2C, D79A12-2N, D79A12-2M, D79A16G-2M, D79A17G-2M, D79A17G-2S, D79A17G-2C, D79A17G-2N
<b>Difference description</b>	All the same except for the color and the capacity of memory.
<b>Date of test</b>	Sep.16~Sep.25, 2013
<b>Deviation</b>	None
<b>Condition of Test Sample</b>	Normal
<b>Report Template</b>	AGCRT-US-BGN/RF (2013-03-01)

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with requirement of FCC Part 15 Rules requirement.

Prepared By

Wall Huang

Wall Huang Sep.27, 2013

Checked By

Kidd Yang

Kidd Yang Sep.27, 2013

Authorized By

Solger Zhang

Solger Zhang Sep.27, 2013

## 2. GENERAL INFORMATION

### 2.1. PRODUCT DESCRIPTION

The EUT is designed as "Tablet PC". It is designed by way of utilizing the DSSS and OFDM technology to achieve the system operation.

A major technical description of EUT is described as following

<b>Operation Frequency</b>	2.412 GHz~2.462GHz
<b>Output Power</b>	IEEE 802.11b:11.6dBm; IEEE 802.11g:10.8dBm; IEEE 802.11n(20):9.9dBm; IEEE 802.11n(40):8.5dBm
<b>Modulation</b>	DSSS(DBPSK/DQPSK/CCK);OFDM(BPSK/QPSK/16-QAM/64-QAM)
<b>Number of channels</b>	11
<b>Hardware Version</b>	N/A
<b>Software Version</b>	N/A
<b>Antenna Designation</b>	Integrated Antenna
<b>Antenna Gain</b>	2.0dBi
<b>Power Supply</b>	DC3.7V by Built-in Li-ion Battery

### 2.2. TABLE OF CARRIER FREQUENCIES

Frequency Band	Channel Number	Frequency
2400~2483.5MHZ	1	2412 MHZ
	2	2417 MHZ
	3	2422 MHZ
	4	2427 MHZ
	5	2432 MHZ
	6	2437 MHZ
	7	2442 MHZ
	8	2447 MHZ
	9	2452 MHZ
	10	2457 MHZ
	11	2462 MHZ

Note: For 20MHZ bandwidth system use Channel 1 to Channel 11

For 40MHZ bandwidth system use Channel 3 to Channel 9

### 2.3. IEEE 802.11N MODULATION SCHEME

MCS Index	Nss	Modulation	R	NBPSC	Data rate(Mbps)		
					800nsGI		
					20MHz	20MHz	20MHz
0	1	BPSK	1/2	1	52	26	6.5
1	1	QPSK	1/2	2	104	52	13.0
2	1	QPSK	3/4	2	104	78	19.5
3	1	16-QAM	1/2	4	208	104	26.0
4	1	16-QAM	3/4	4	208	156	39.0
5	1	64-QAM	2/3	6	312	208	52.0
6	1	64-QAM	3/4	6	312	234	58.5
7	1	64-QAM	5/6	6	312	260	65.0

Symbol	Explanation
NSS	Number of spatial streams
R	Code rate
NBPSC	Number of coded bits per single carrier
NCBPS	Number of coded bits per symbol
NDBPS	Number of data bits per symbol
GI	Guard interval

### 2.4. RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2AAQHD80A11-2M** filing to comply with the FCC Part 15 requirements.

### 2.5. TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.4 (2003).

Radiated testing was performed at an antenna to EUT distance 3 meters.

Others testing (listed at item 5.3) was performed according to the procedures in FCC Part 15.247 rules.

### 2.6. SPECIAL ACCESSORIES

Refer to section 5.2.

### 2.7. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

### 3. MEASUREMENT UNCERTAINTY

Conducted measurement: +/- 2.75dB

Radiated measurement: +/- 3.2dB

### 4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX
2	Middle channel TX
3	High channel TX
4	Normal operating (WIFI)

**Note:**

1. V means worst mode for Conducted Emission.  
2. Transmit by 802.11b with Date rate (1/2/5.5/11)  
Transmit by 802.11g with Date rate (6/9/12/18/24/36/48/54)  
Transmit by 802.11n (20MHz) with Date rate (6.5/13/19.5/26/39/52/58.5/65)  
Transmit by 802.11n (40MHz) with Date rate  
(13.5/27/40.5/54/81/108/121.5/135)

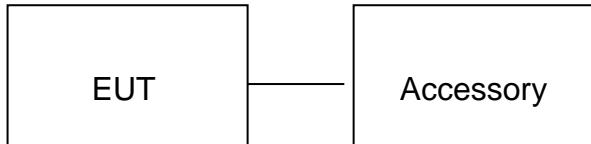
**Note:**

1. The EUT has been set to operate continuously on the lowest, middle and highest operation frequency individually.
2. All modes under which configuration applicable have been tested and the worst mode test data recording in the test report, if no other mode data.
3. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

## 5. SYSTEM TEST CONFIGURATION

### 5.1. CONFIGURATION OF EUT SYSTEM

Configure:



### 5.2. EQUIPMENT USED IN EUT SYSTEM

Item	Equipment	Mfr/Brand	Model/Type No.	Remark
1	tablet pc	AOC/AAPPAA /YARVIK/MULTILASER	D80A11-2M	EUT
2	Battery	N/A	N/A	Accessory
3	Adapter	N/A	SK02G-0500200V	Accessory

Note: All the accessories have been used during the test in conduction emission test.

### 5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.247	Peak Output Power	Compliant
§15.247	6 dB Bandwidth	Compliant
§15.247	Conducted Spurious Emission	Compliant
§15.247	Maximum Conducted Output Power SPECTRAL Density	Compliant
§15.209	Radiated Emission	Compliant
§15.247	Band Edges	Compliant
§15.207	Line Conduction Emission	Compliant

**Note:** The EUT received power from DC3.7V lithium battery.

## 6. TEST FACILITY

<b>Site</b>	Attestation of Global Compliance (Shenzhen) Co., Ltd
<b>Location</b>	2/F., Building 2, No.1-No.4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China
<b>Description</b>	The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2003.

## ALL TEST EQUIPMENT LIST

<b>Description</b>	<b>Manufacturer</b>	<b>Model</b>	<b>S/N</b>	<b>Cal. Date</b>	<b>Cal. Due</b>
Power Probe	R&S	NRP-Z23	100323	07/17/2013	07/16/2014
RF attenuator	N/A	RFA20db	68	N/A	N/A
Spectrum Analyzer	Agilent	E4440A	US41421290	07/17/2013	07/16/2014
Amplifier	EM	EM30180	0607030	07/17/2013	07/16/2014
Horn Antenna	EM	EM-AH-10180	67	04/21/2013	04/20/2014
Horn Antenna	A.H. Systems Inc.	SAS-574	--	07/17/2013	07/16/2014
EMI Test Receiver	Rohde & Schwarz	ESCI	100694	07/17/2013	07/16/2014
Biological Antenna	A.H. Systems Inc.	SAS-521-4	26	06/07/2013	06/06/2014
Loop Antenna	A.H.	SAS-526B	264	07/14/2013	07/13/2014
LISN	R&S	ESH3-Z5	--	07/17/2013	07/16/2014

## 7. PEAK OUTPUT POWER

### 7.1. MEASUREMENT PROCEDURE

For peak power test:

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
3. Set the EUT Work on the top, middle and the bottom operation frequency individually.
4. Use the following spectrum analyzer settings:

Set the RBW = 1 MHz

Set the VBW  $\geq$  3 RBW

Set the span  $\geq$  1.5 x DTS bandwidth

Detector = peak

Sweep time = auto couple

Trace mode = max hold

5. Allow the trace to stabilize. Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges.

6. Record the result form the Spectrum Analyzer.

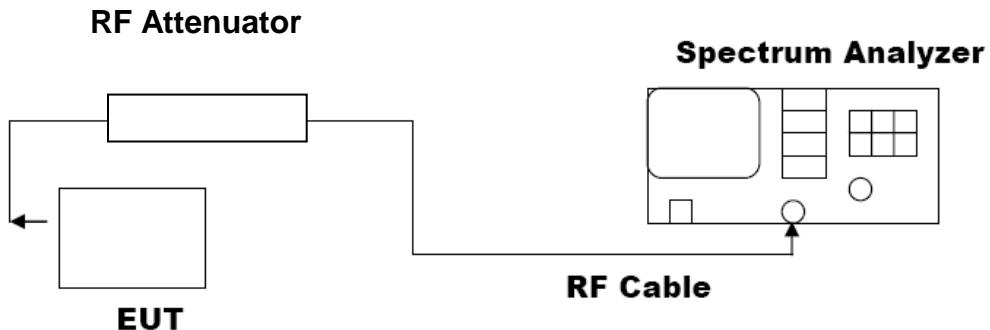
For average power test:

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Connect EUT RF output port to power probe through an RF attenuator.
3. Connect the power probe to the PC.
4. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
5. Record the maximum power from the software.
6. The maximum peak power shall be less 1 Watt (30dBm).

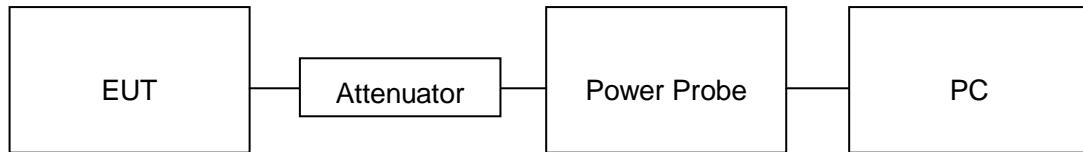
**Note :** The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

## 7.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

### PEAK POWER TEST SETUP



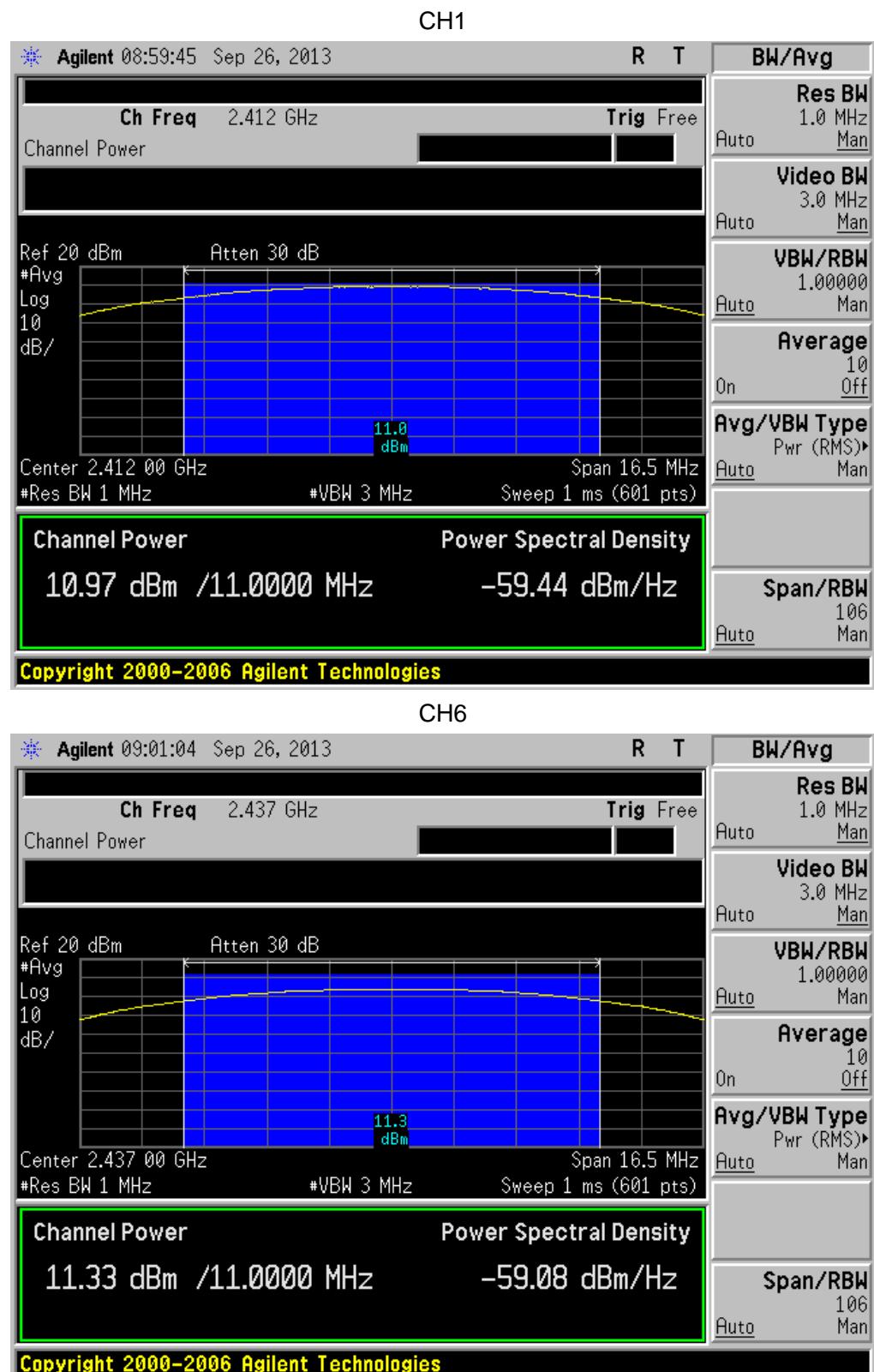
### AVERAGE POWER SETUP

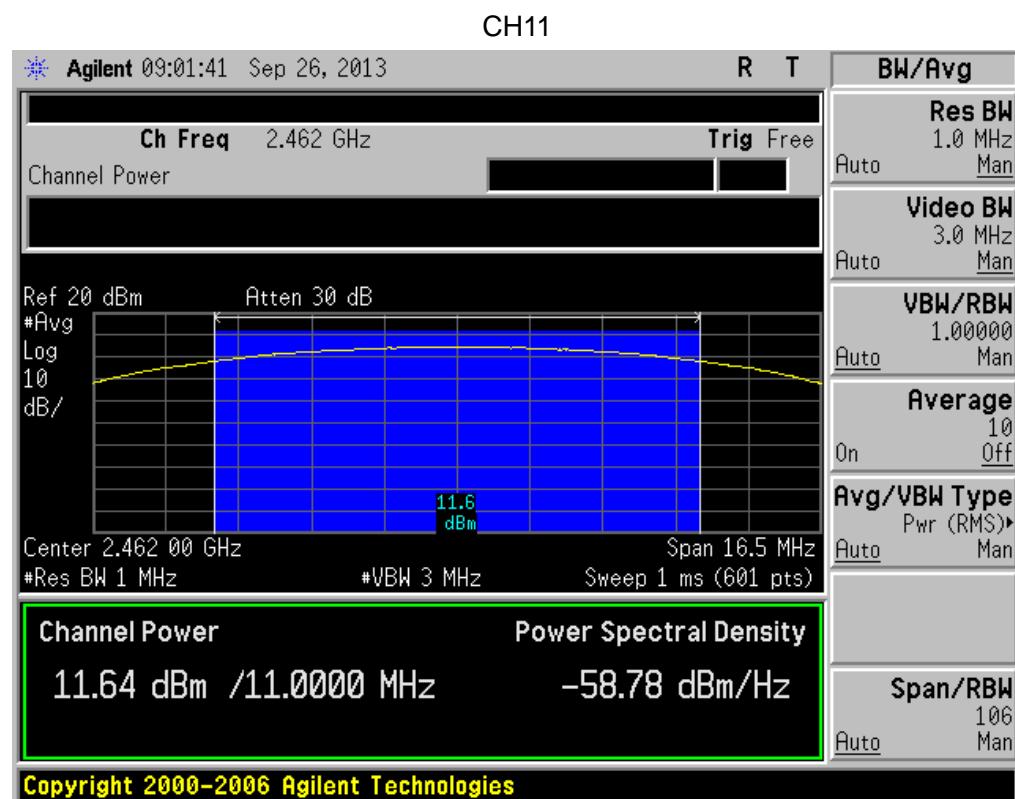


## 7.3. LIMITS AND MEASUREMENT RESULT

TEST ITEM	PEAK POWER
TEST MODE	802.11b with data rate 1

LIMITS AND MEASUREMENT RESULT				
Frequency (GHz)	Average Power (dBm)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2.412	9.12	11	30	Pass
2.437	9.43	11.3	30	Pass
2.462	9.74	11.6	30	Pass

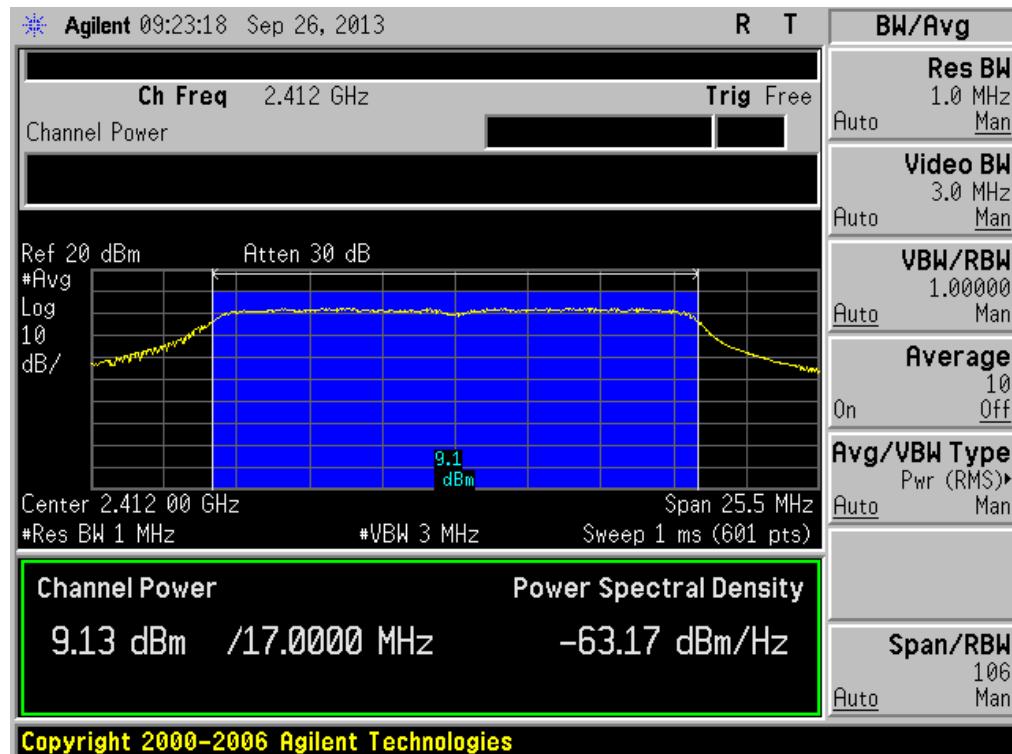




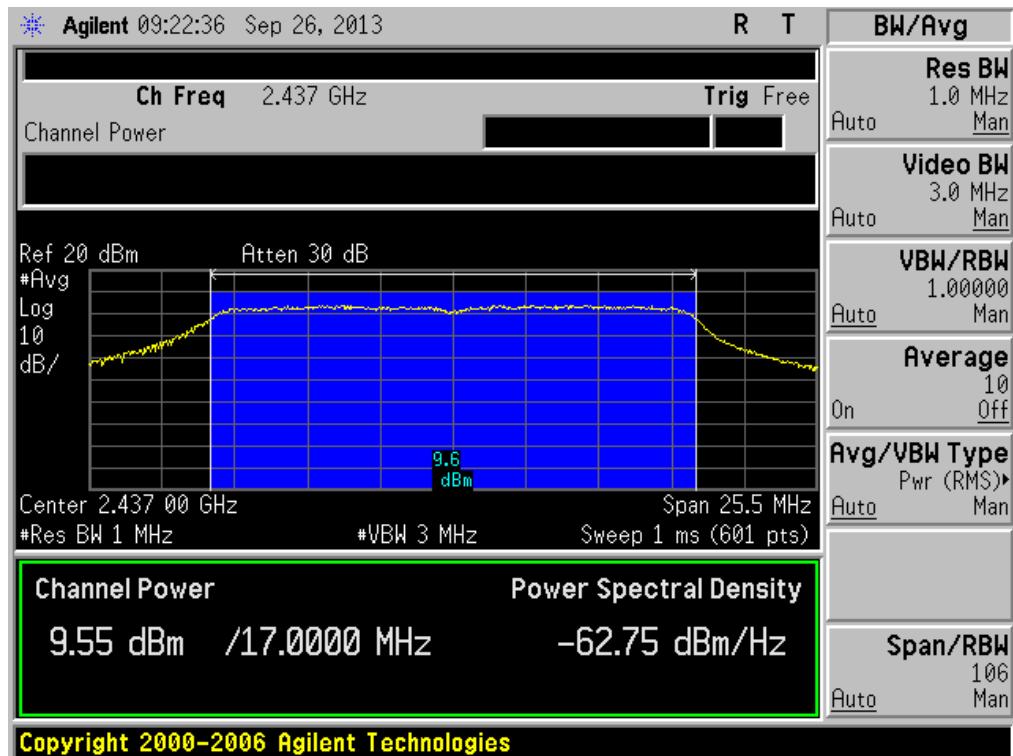
TEST ITEM	PEAK POWER
TEST MODE	802.11g with data rate 6

LIMITS AND MEASUREMENT RESULT				
Frequency (GHz)	Average Power (dBm)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2.412	7.23	9.1	30	Pass
2.437	7.74	9.6	30	Pass
2.462	8.95	10.8	30	Pass

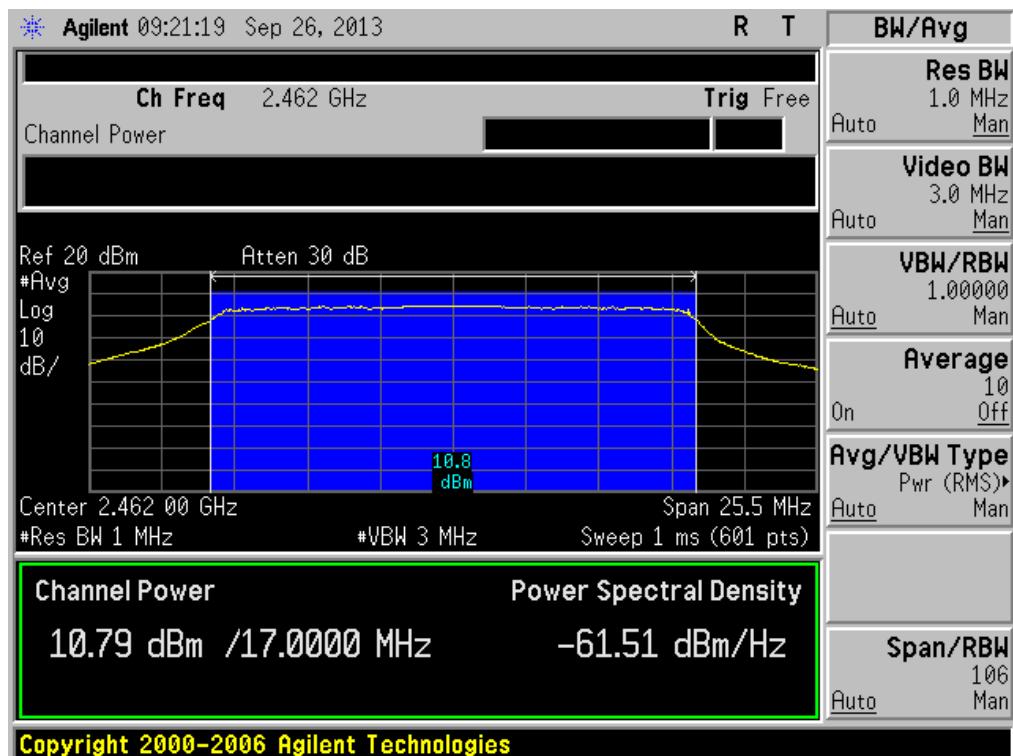
CH1



CH6



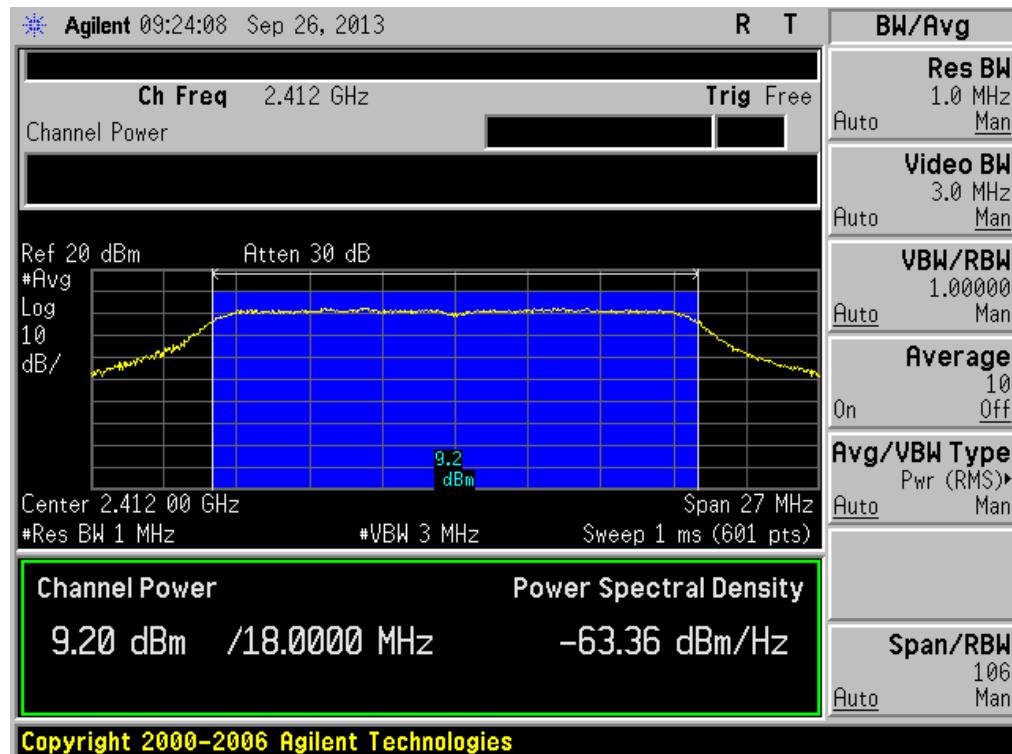
CH11



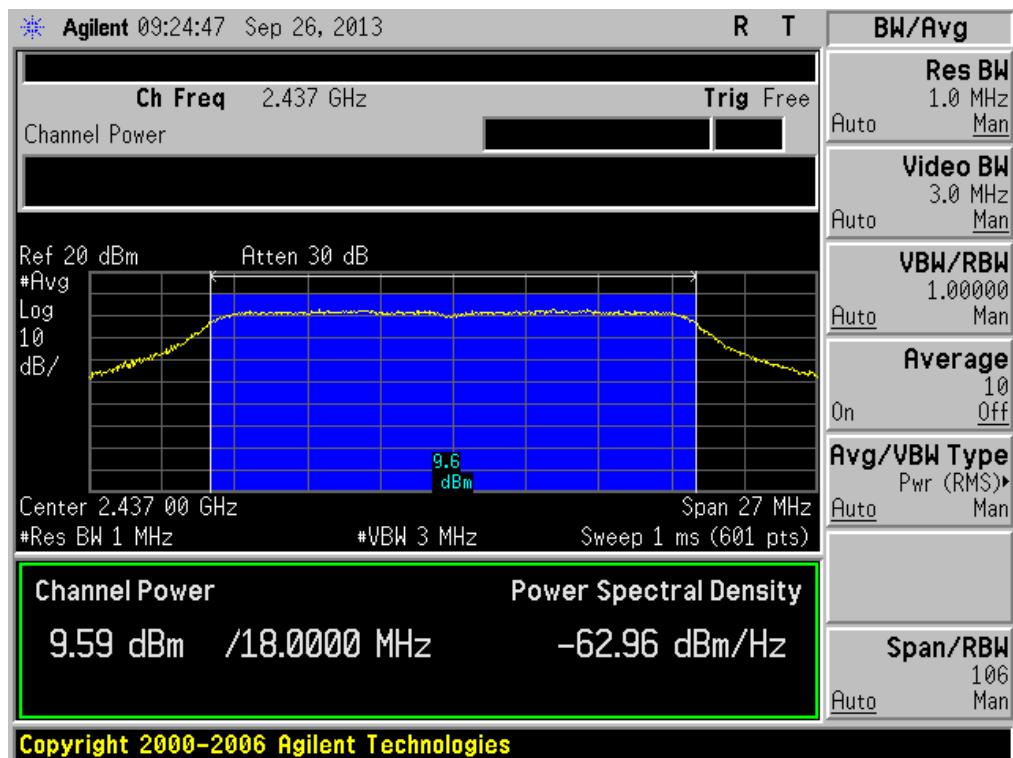
TEST ITEM	PEAK POWER
TEST MODE	802.11n 20 with data rate 6.5

LIMITS AND MEASUREMENT RESULT				
Frequency (GHz)	Average Power (dBm)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2.412	7.31	9.2	30	Pass
2.437	7.74	9.6	30	Pass
2.462	7.98	9.9	30	Pass

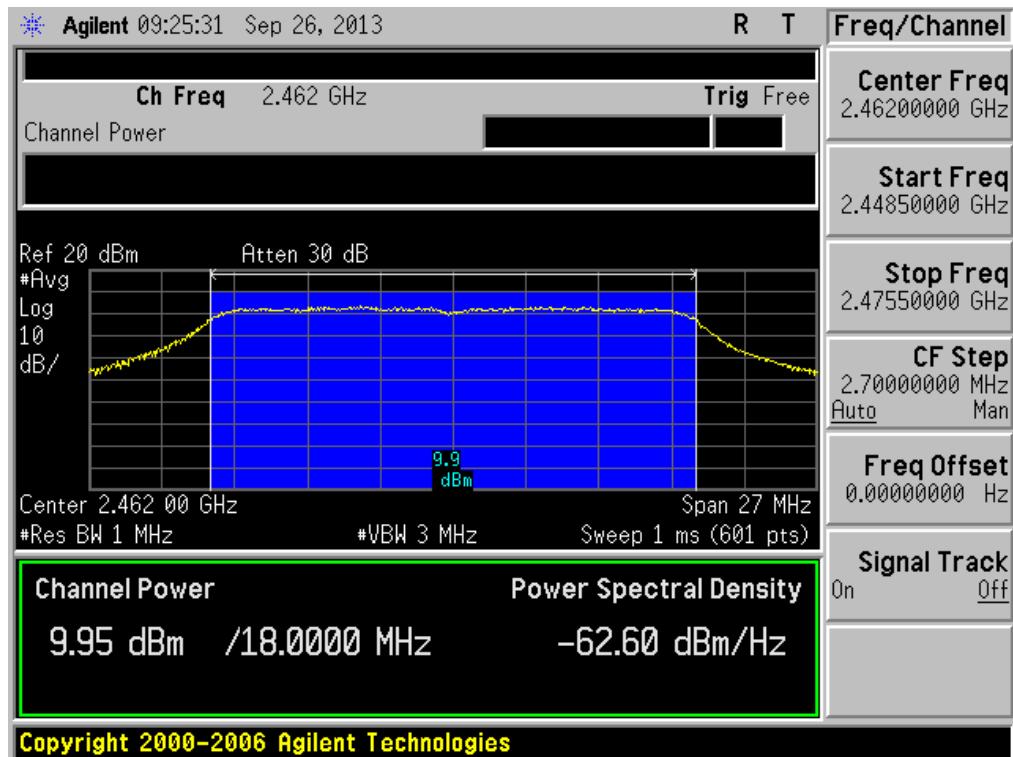
CH1



CH6



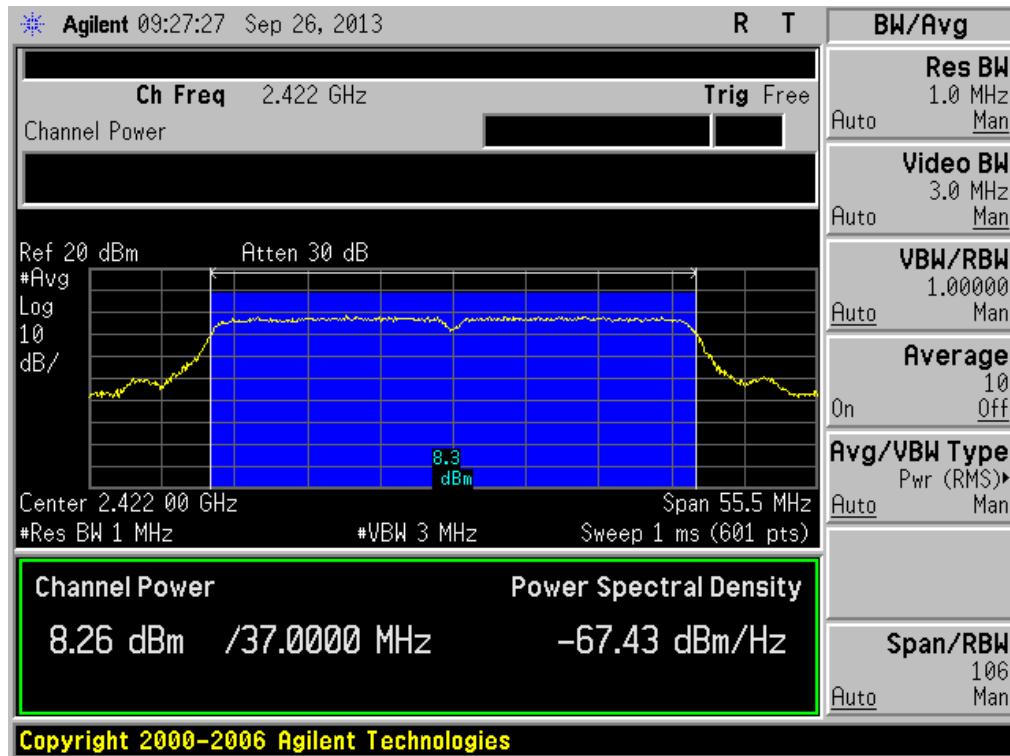
CH11



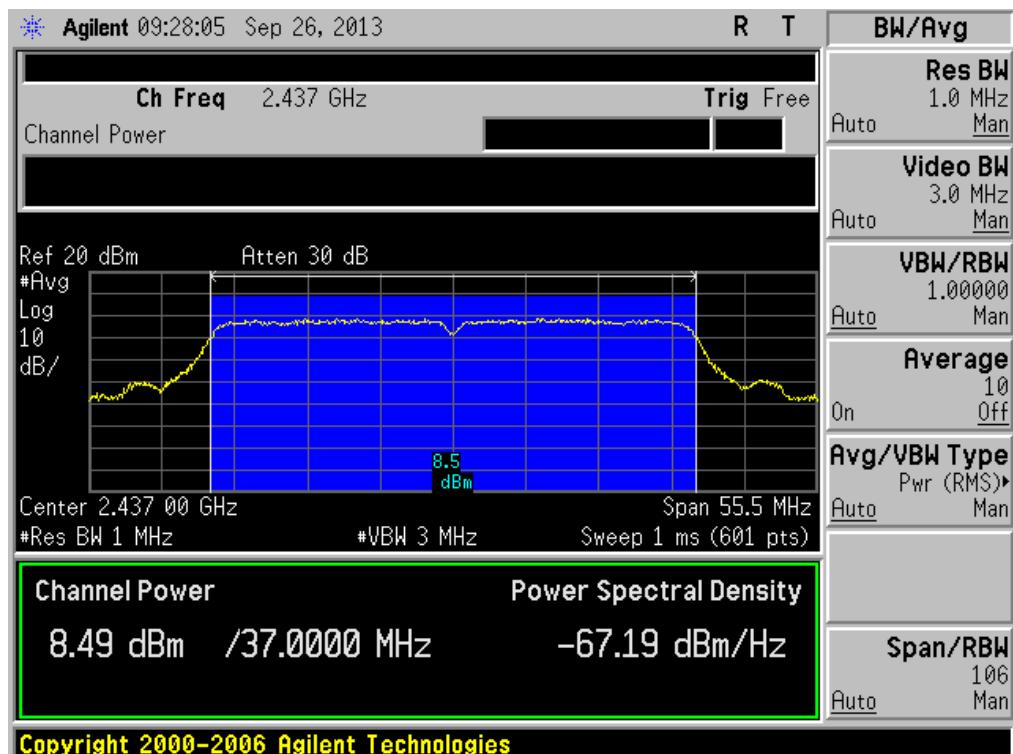
TEST ITEM	PEAK POWER
TEST MODE	802.11n 40 with data rate 13.5

LIMITS AND MEASUREMENT RESULT				
Frequency (GHz)	Average Power (dBm)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2.422	6.43	8.3	30	Pass
2.437	6.64	8.5	30	Pass
2.452	6.65	8.5	30	Pass

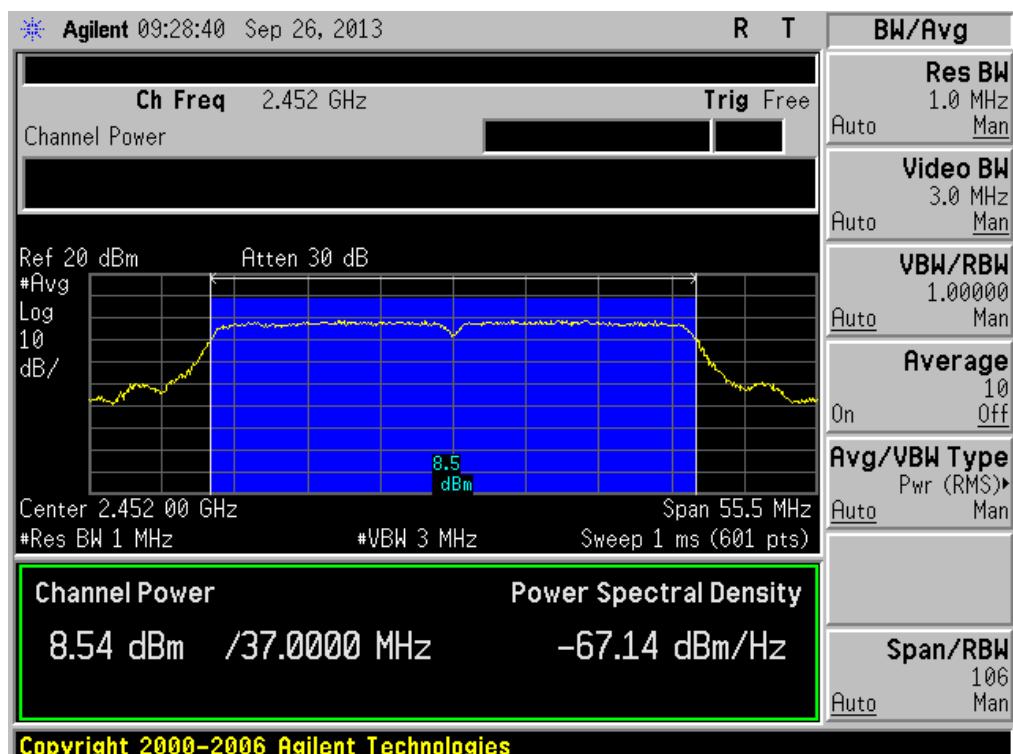
CH1



CH6



CH11



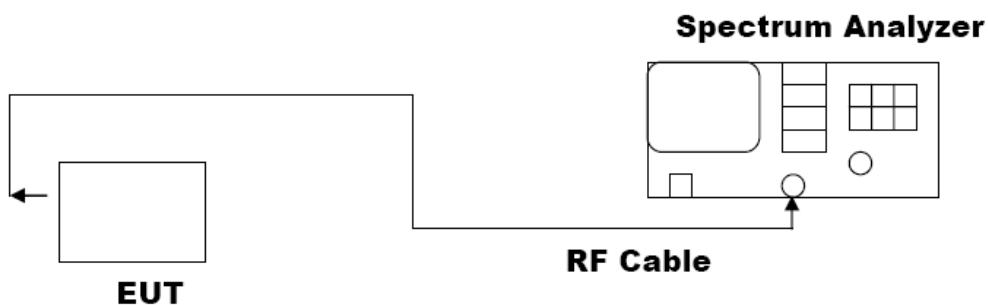
## 8. 6DB BANDWIDTH

### 8.1. MEASUREMENT PROCEDURE

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
4. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW  $\geq$  RBW.
5. Set SPA Trace 1 Max hold, then View.

**Note:** The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

### 8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



### 8.3. LIMITS AND MEASUREMENT RESULTS

TEST ITEM	6DB BANDWIDTH	
TEST MODE	802.11b with data rate 11	

LIMITS AND MEASUREMENT RESULT			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	Low Channel	10.101	PASS
	Middle Channel	10.094	PASS
	High Channel	10.112	PASS

TEST ITEM	6DB BANDWIDTH	
TEST MODE	802.11g with data rate 54	

LIMITS AND MEASUREMENT RESULT			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	Low Channel	16.564	PASS
	Middle Channel	16.568	PASS
	High Channel	16.571	PASS

TEST ITEM	6DB BANDWIDTH	
TEST MODE	802.11n 20 with data rate 65	

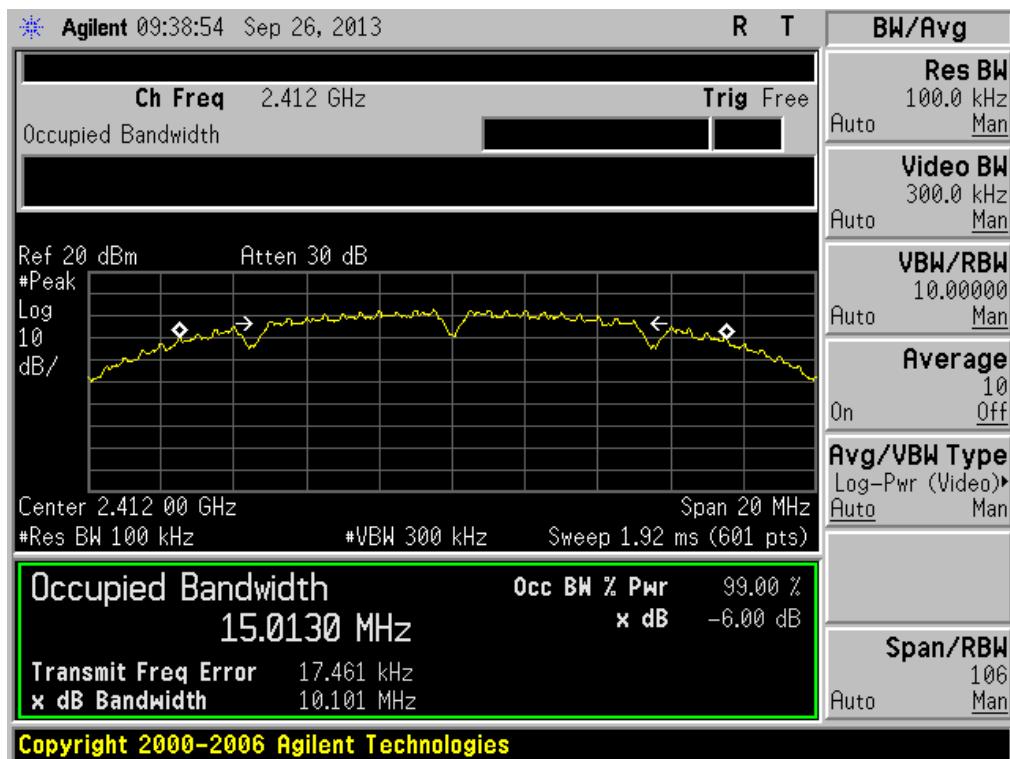
LIMITS AND MEASUREMENT RESULT			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	Low Channel	17.780	PASS
	Middle Channel	17.797	PASS
	High Channel	17.785	PASS

<b>TEST ITEM</b>	6DB BANDWIDTH
<b>TEST MODE</b>	802.11n 40 with data rate 135

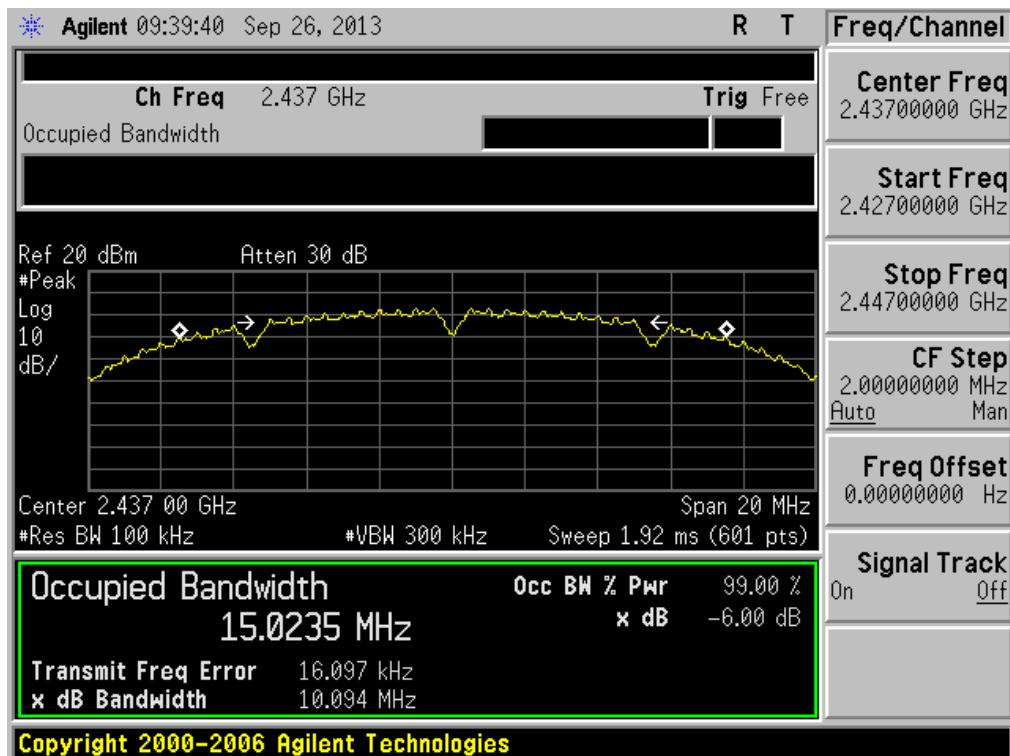
<b>LIMITS AND MEASUREMENT RESULT</b>			
<b>Applicable Limits</b>	<b>Applicable Limits</b>		
	<b>Test Data (MHz)</b>		<b>Criteria</b>
>500KHZ	Low Channel	36.469	PASS
	Middle Channel	36.466	PASS
	High Channel	36.451	PASS

## 802.11b TEST RESULT

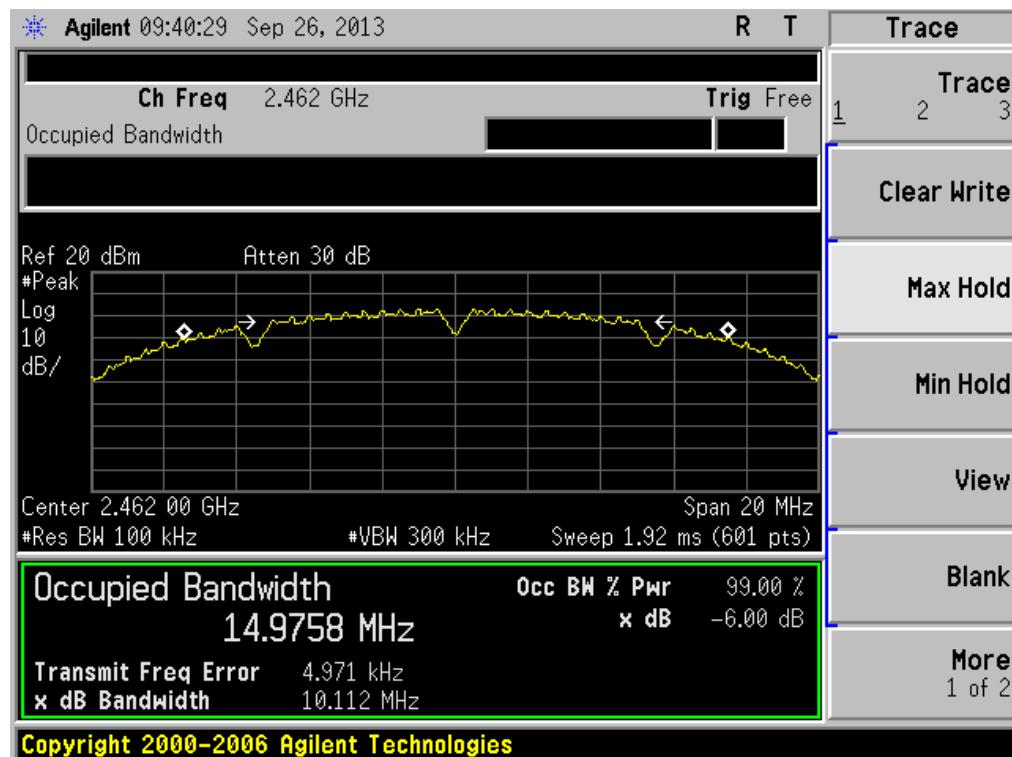
### TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

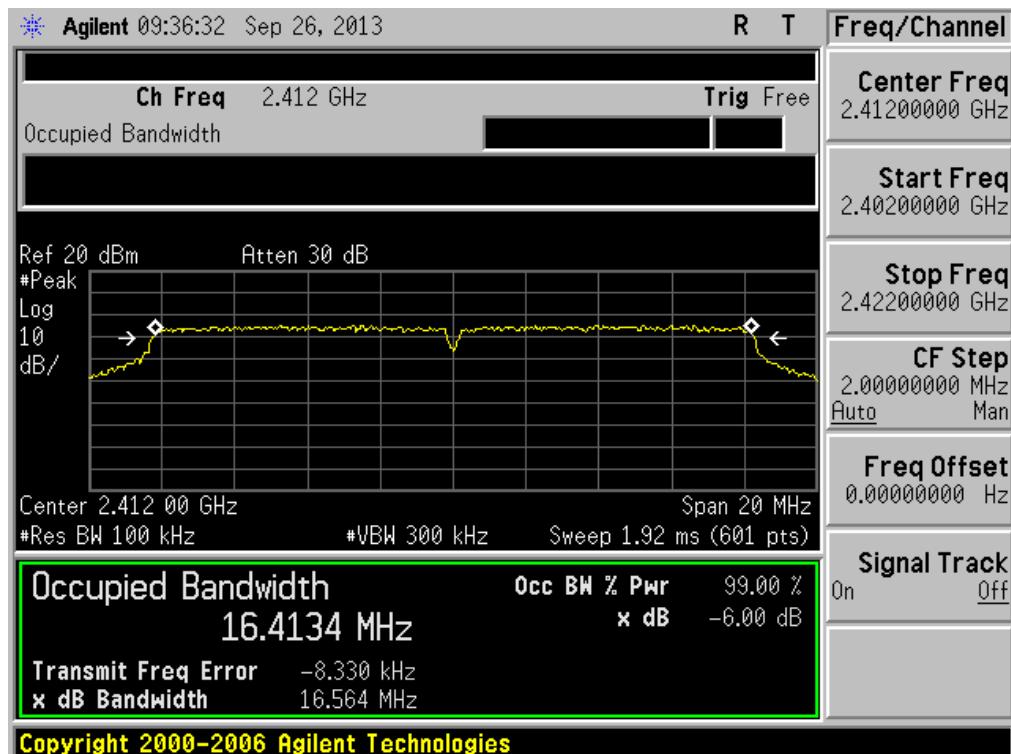


TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

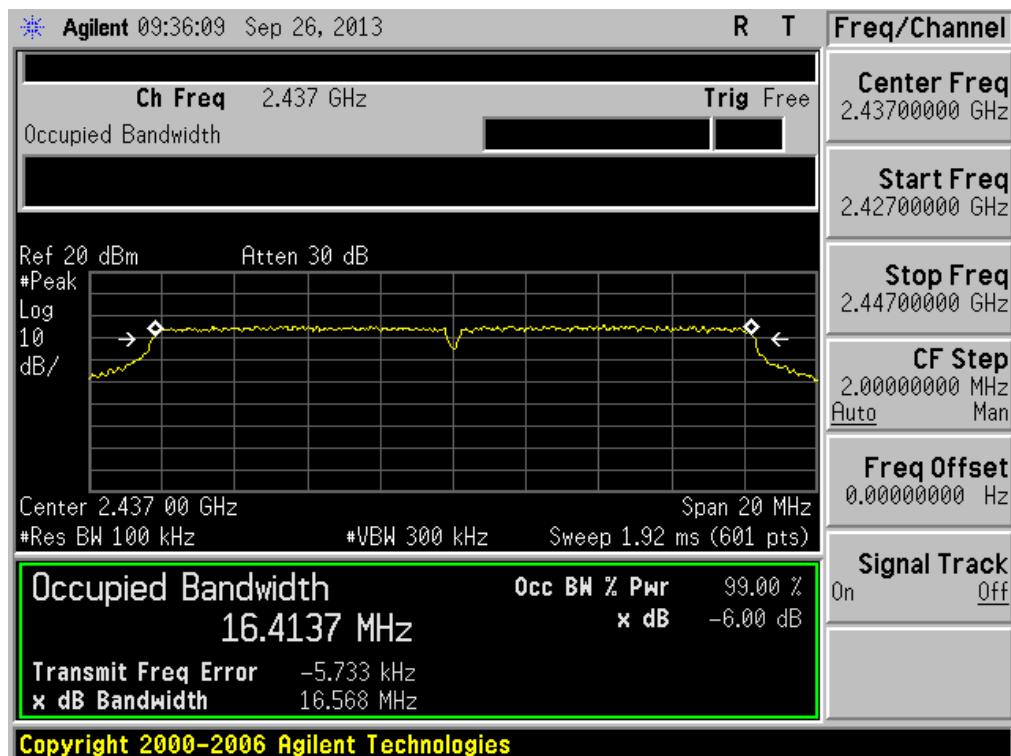


## 802.11g TEST RESULT

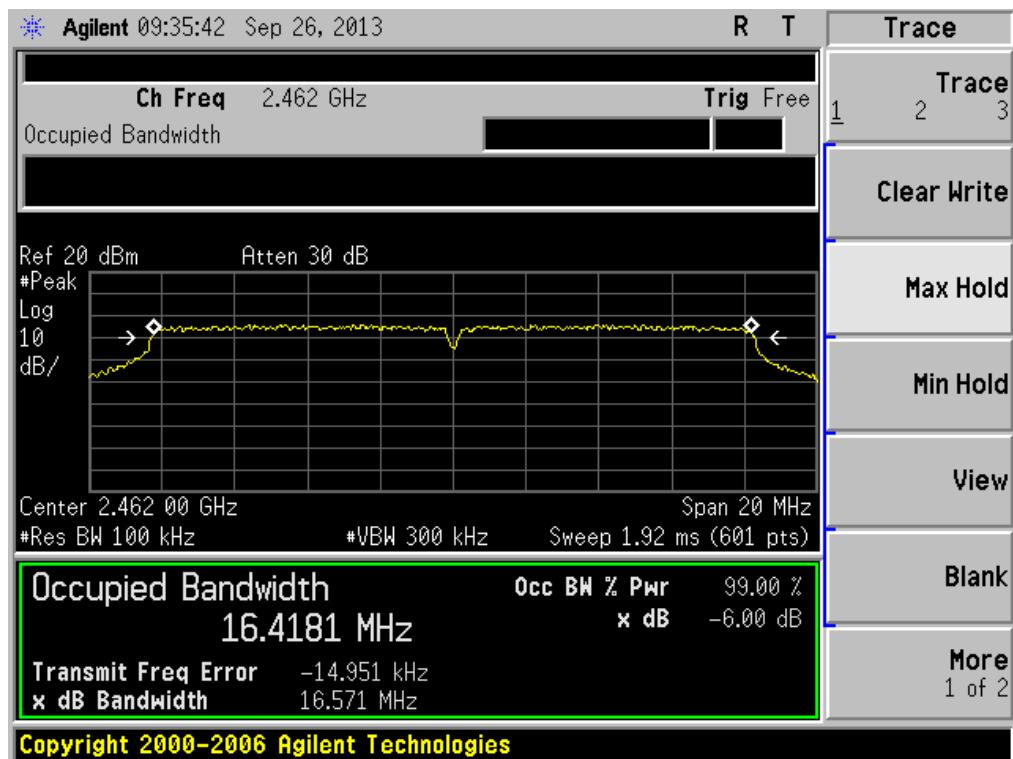
### TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

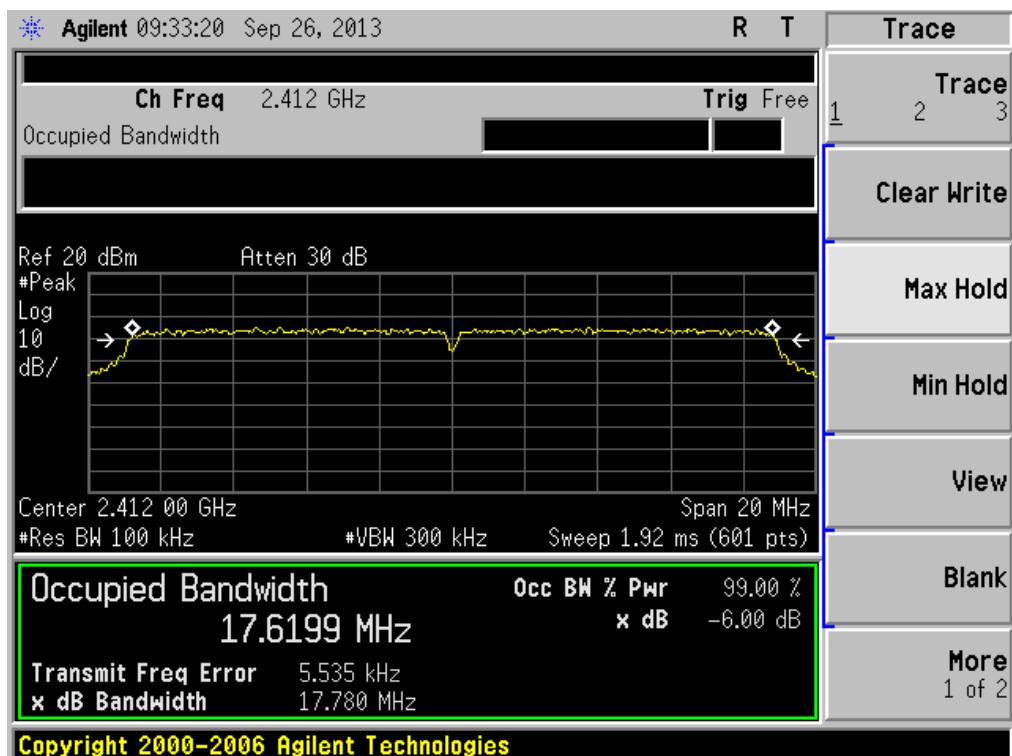


## TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

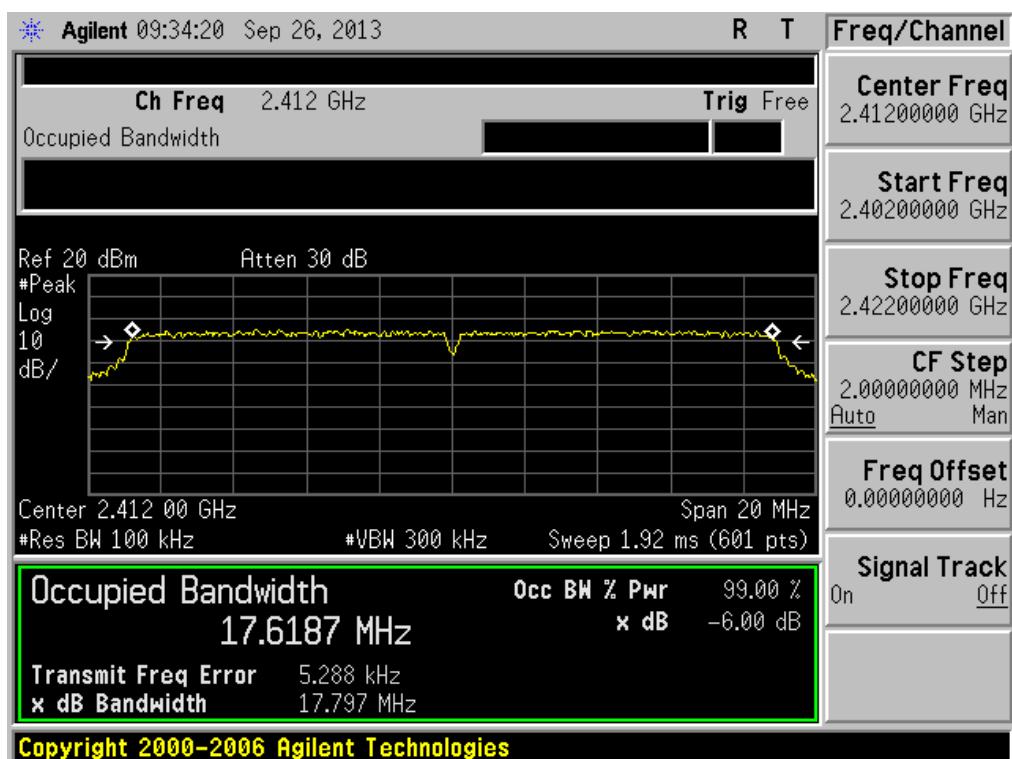


## 802.11n (20) TEST RESULT

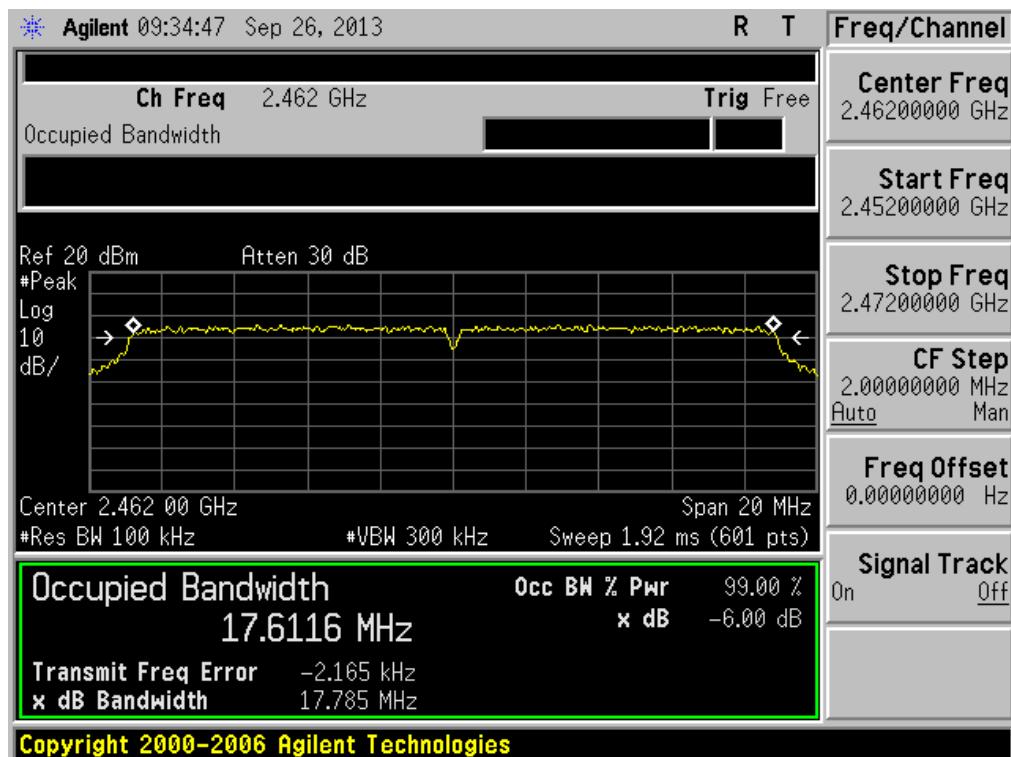
### TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

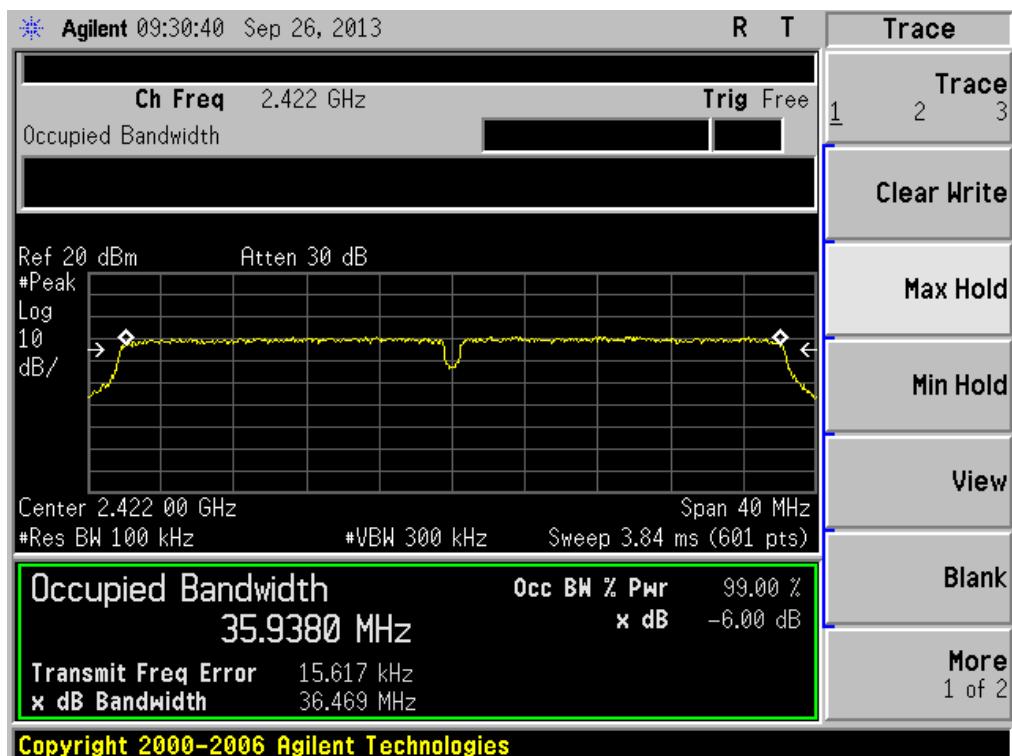


TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

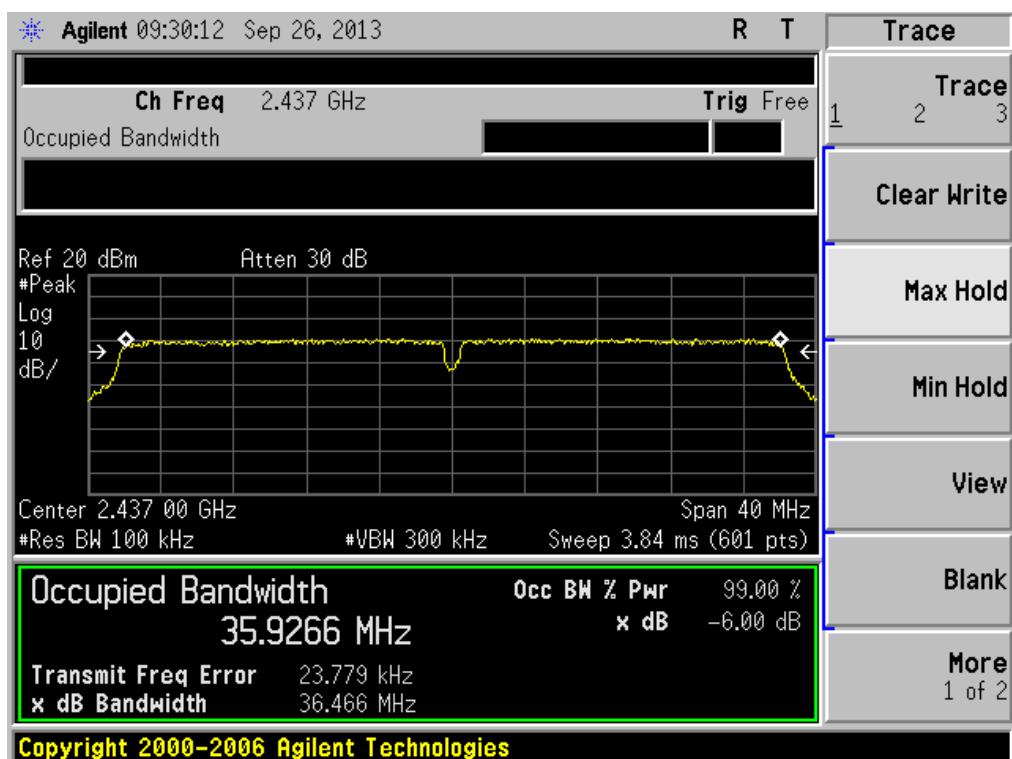


## 802.11n(40) TEST RESULT

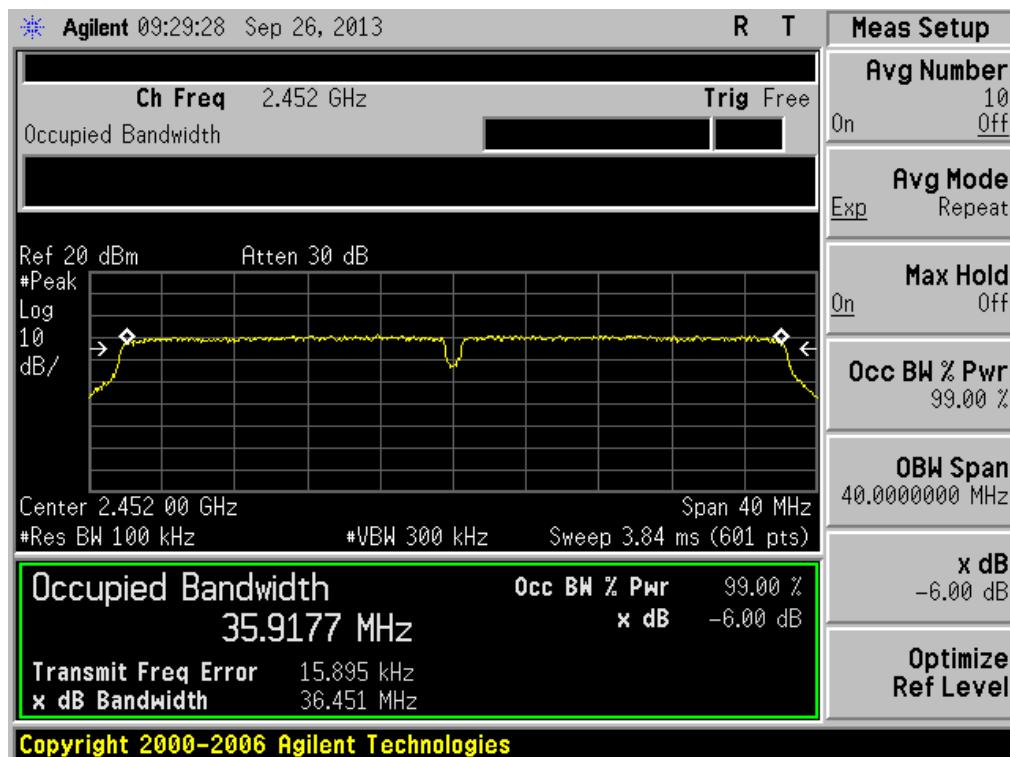
### TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



## 9. CONDUCTED SPURIOUS EMISSION

### 9.1. MEASUREMENT PROCEDURE

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
4. Set SPA Trace 1 Max hold, then View.

**Note:** The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

### 9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 8.2.

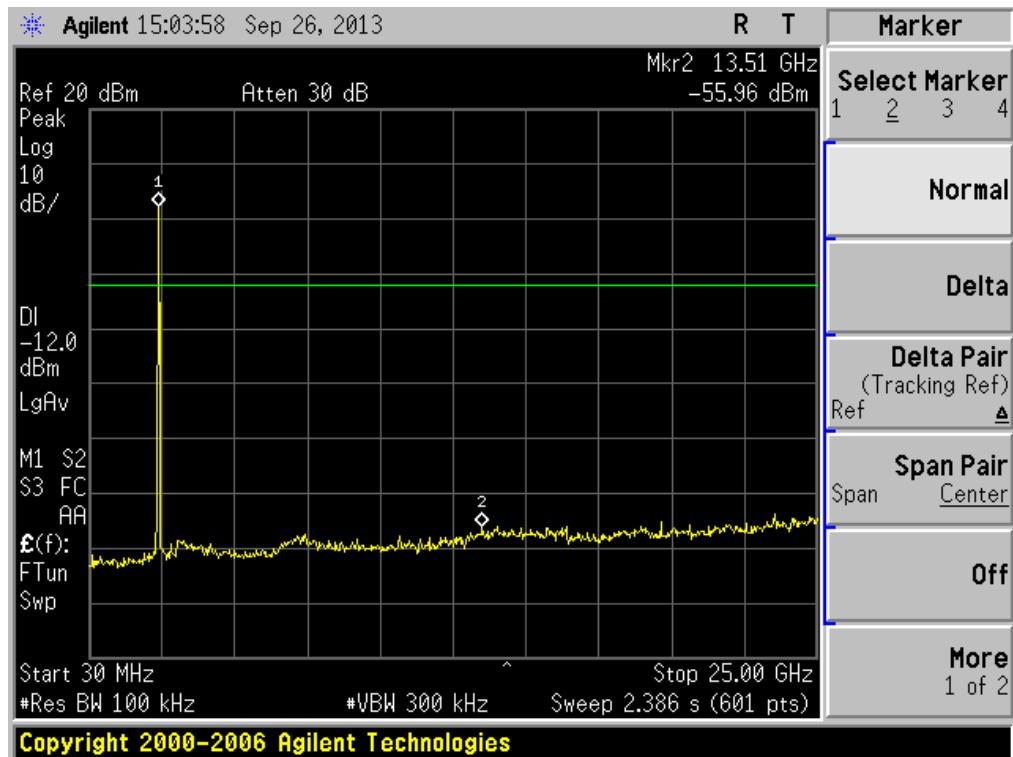
### 9.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6.

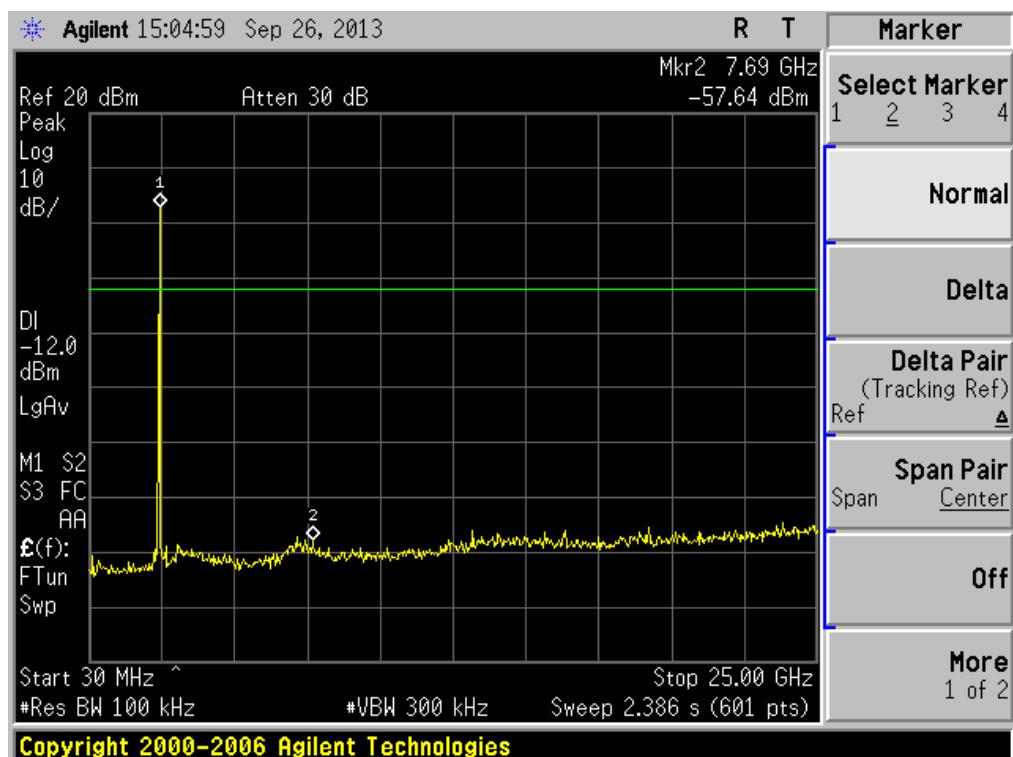
### 9.4. LIMITS AND MEASUREMENT RESULT

LIMITS AND MEASUREMENT RESULT		
Applicable Limits	Measurement Result	
	Test Data	Criteria
In any 100 KHz Bandwidth Outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produce by the intentional radiator shall be at least 20 dB below that in 100KHz bandwidth within the band that contains the highest level of the desired power. In addition, radiation 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))	At least -20dBc than the limit Specified on the BOTTOM Channel	PASS
	At least -20dBc than the limit Specified on the TOP Channel	PASS

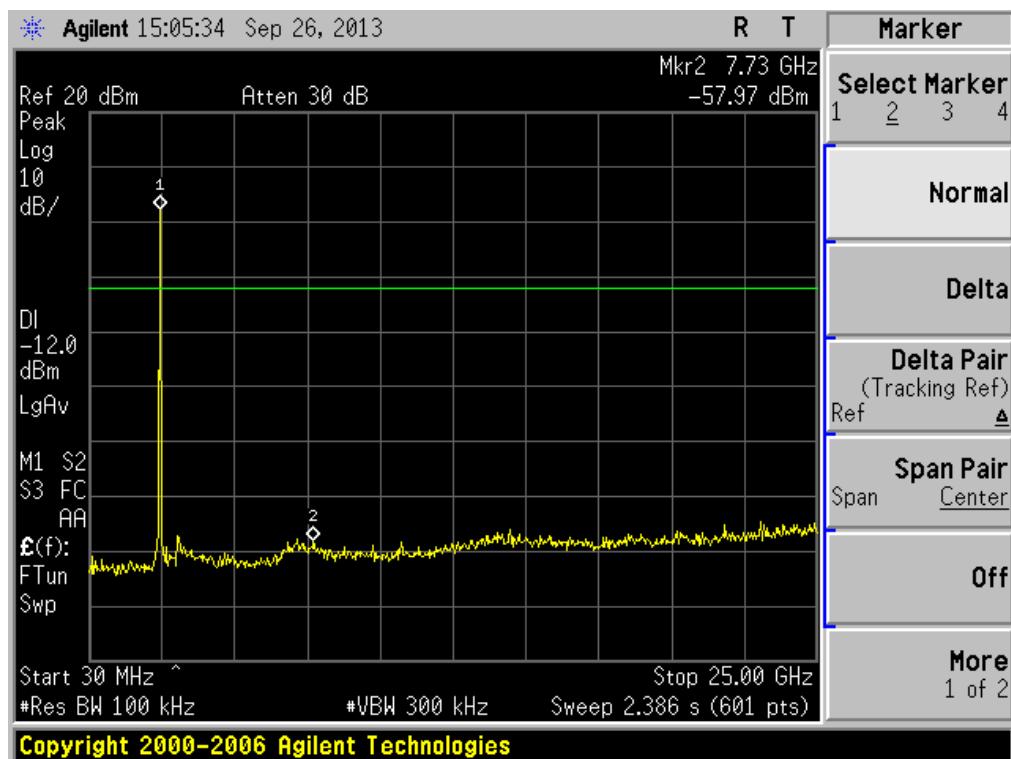
TEST PLOT OF OUT OF BAND EMISSIONS WITH THE WORST CASE  
OF 802.11b FOR MODULATION IN LOW CHANNEL



TEST PLOT OF OUT OF BAND EMISSIONS  
OF 802.11b FOR MODULATION IN MIDDLE CHANNEL



TEST PLOT OF OUT OF BAND EMISSIONS  
OF 802.11b FOR MODULATION IN HIGH CHANNEL



## 10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

### 10.1 MEASUREMENT PROCEDURE

- (1). The EUT was placed on a turn table which is 0.8m above ground plane.
- (2). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (3). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (4). Set SPA Trace 1 Max hold, then View.

Note: The method of PKPSD in the KDB 558074 item 10.2 was used in this testing.

### 10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer To Section 8.2.

### 10.3 MEASUREMENT EQUIPMENT USED

Refer To Section 6.

### 10.4 LIMITS AND MEASUREMENT RESULT

TEST ITEM	POWER PECTRAL DENSITY		
TEST MODE	802.11b with data rate 1		

Channel No.	PSD (dBm)	Limit (dBm)	Result
Low Channel	-15.55	8	Pass
Middle Channel	-15.12	8	Pass
High Channel	-14.94	8	Pass

TEST ITEM	POWER PECTRAL DENSITY		
TEST MODE	802.11g with data rate 6		

Channel No.	PSD (dBm)	Limit (dBm)	Result
Low Channel	-14.87	8	Pass
Middle Channel	-14.41	8	Pass
High Channel	-14.12	8	Pass

TEST ITEM	POWER PECTRAL DENSITY		
TEST MODE	802.11b with data rate 1		

<b>TEST MODE</b>	802.11n 20 with data rate 6.5
------------------	-------------------------------

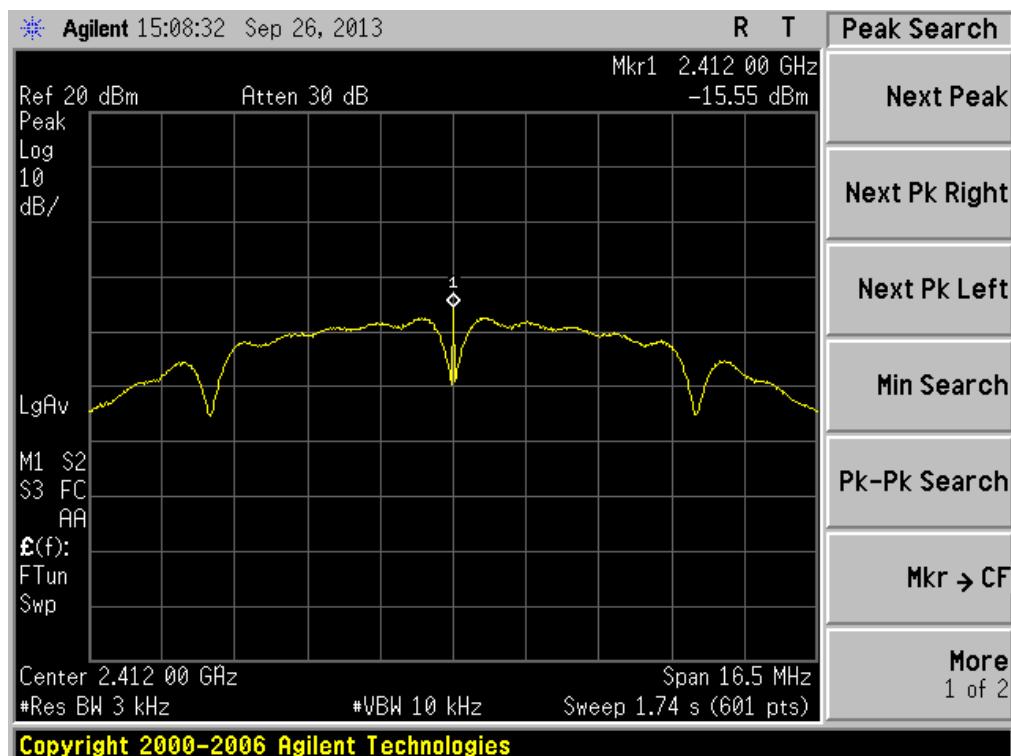
<b>Channel No.</b>	<b>PSD (dBm)</b>	<b>Limit (dBm)</b>	<b>Result</b>
Low Channel	-14.93	8	Pass
Middle Channel	-14.49	8	Pass
High Channel	-14.19	8	Pass

<b>TEST ITEM</b>	POWER PECTRAL DENSITY
<b>TEST MODE</b>	802.11n 40 with data rate 13.5

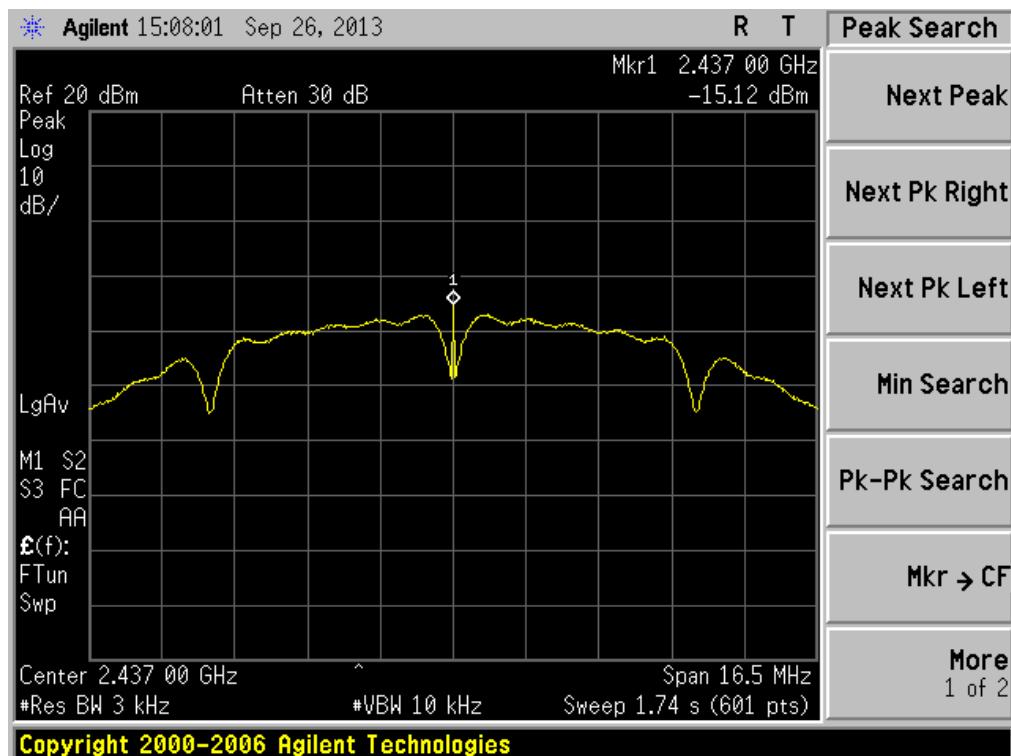
<b>Channel No.</b>	<b>PSD (dBm)</b>	<b>Limit (dBm)</b>	<b>Result</b>
Low Channel	-19.77	8	Pass
Middle Channel	-19.42	8	Pass
High Channel	-19.01	8	Pass

## 802.11b TEST RESULT

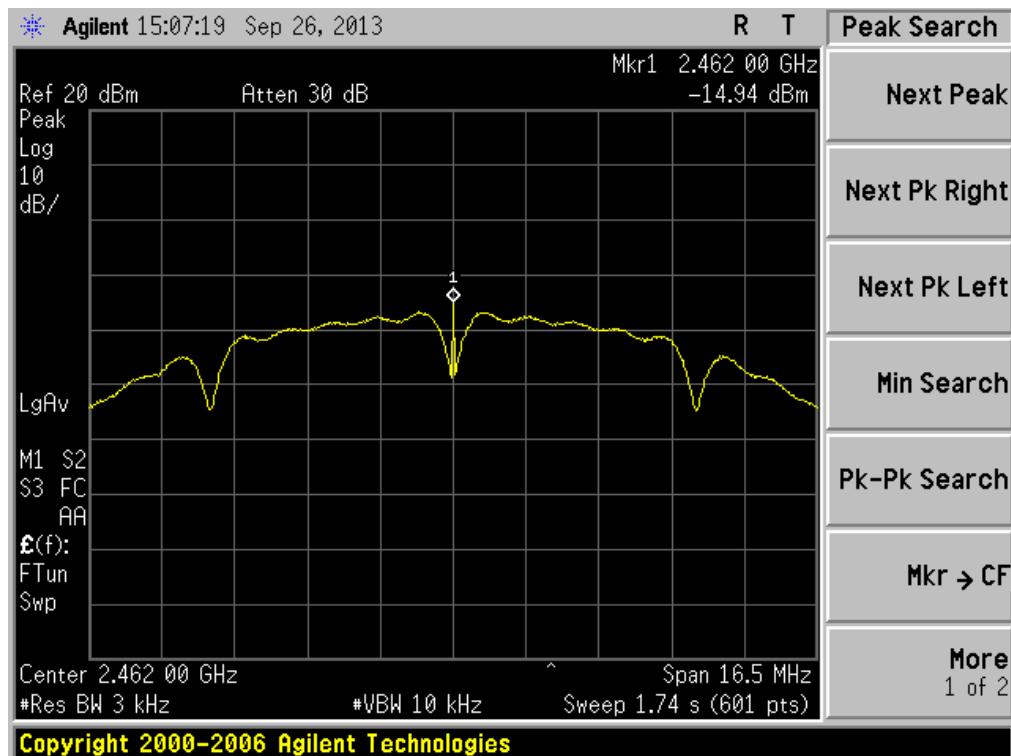
### TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL



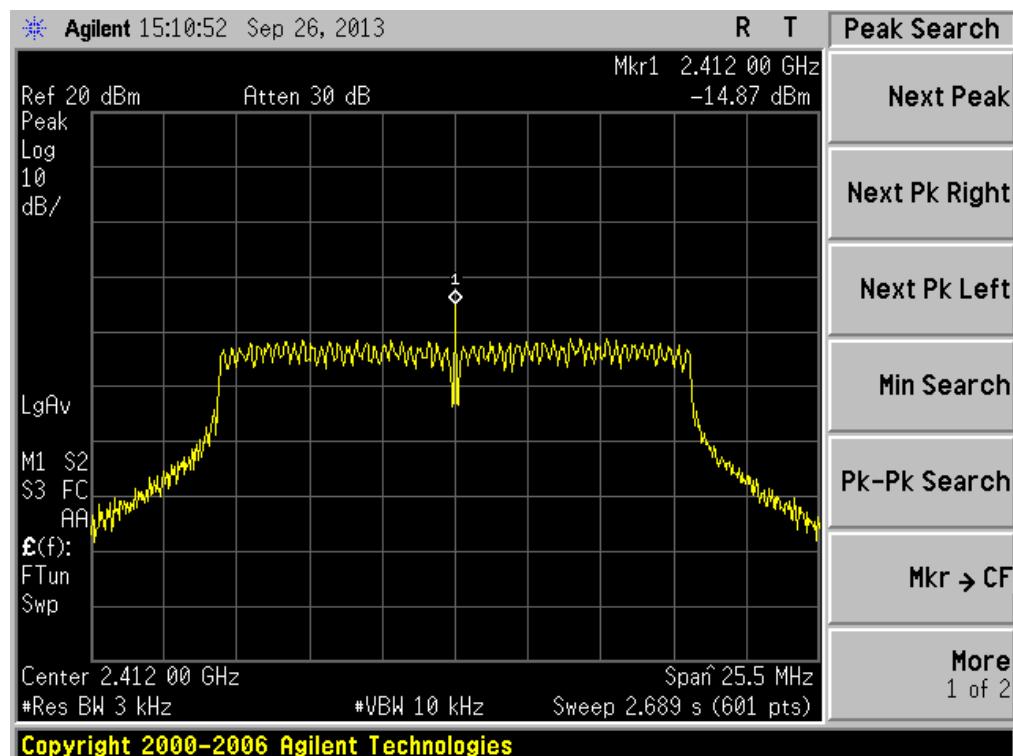
### TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



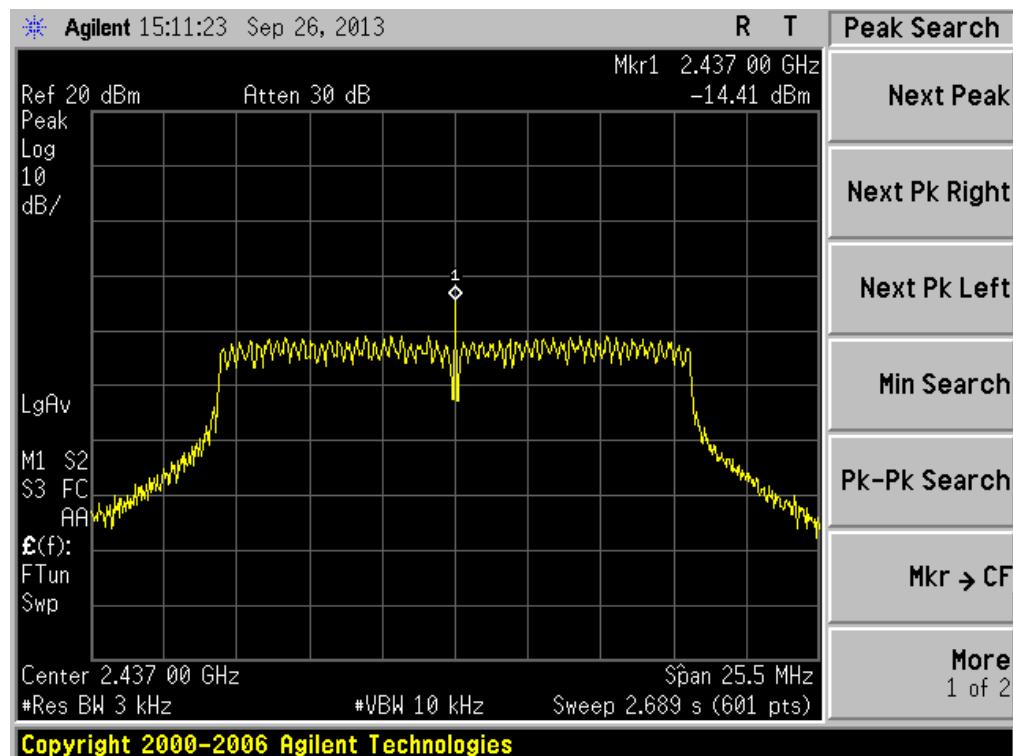
TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



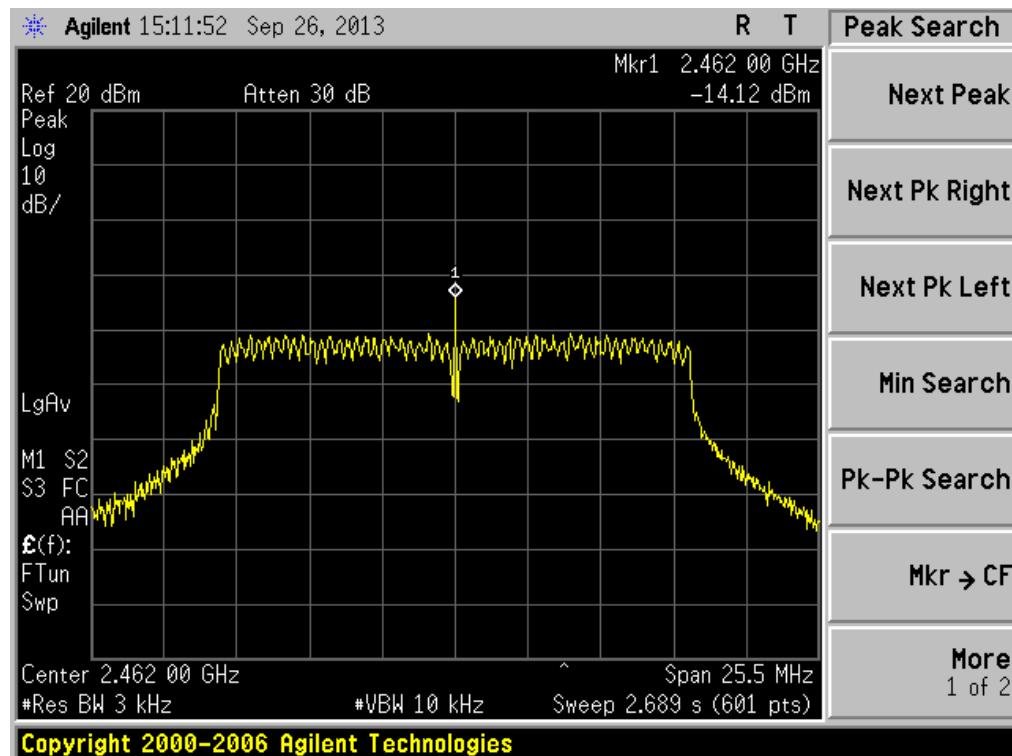
**802.11g TEST RESULT**  
**TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL**



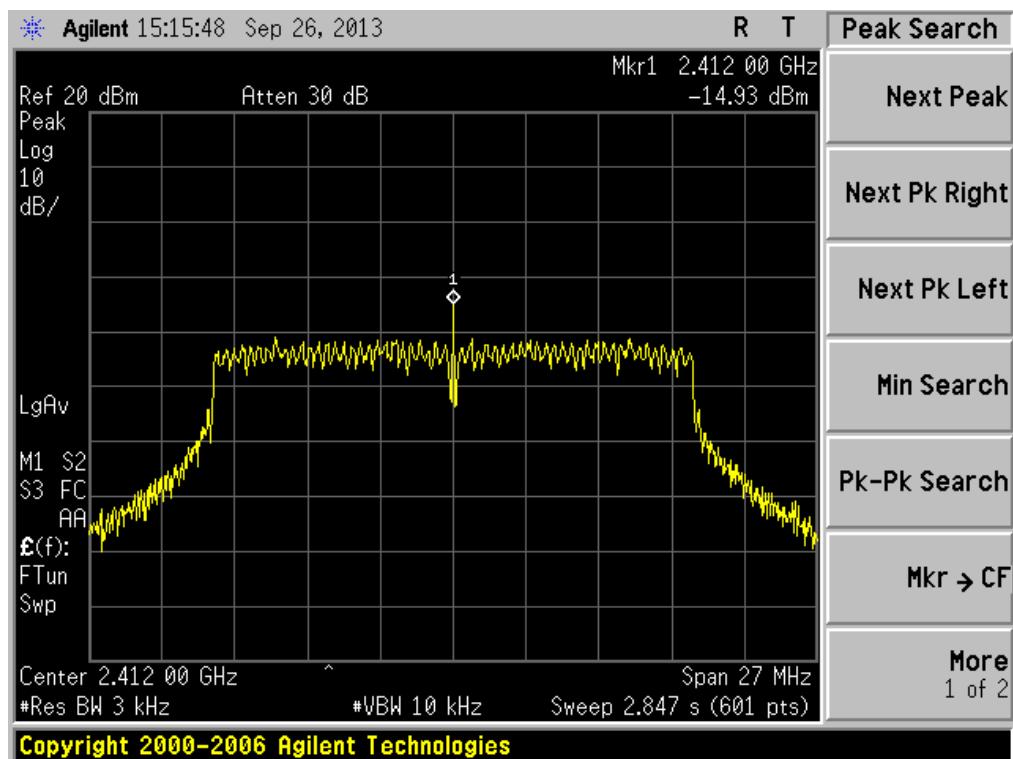
**TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL**



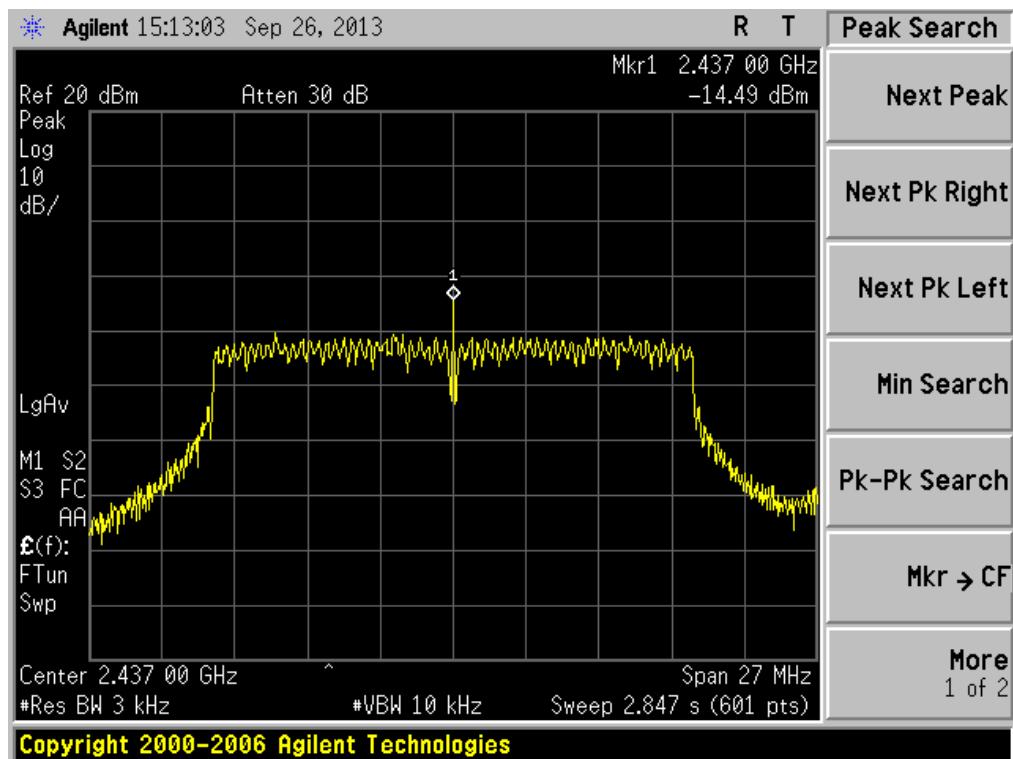
TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



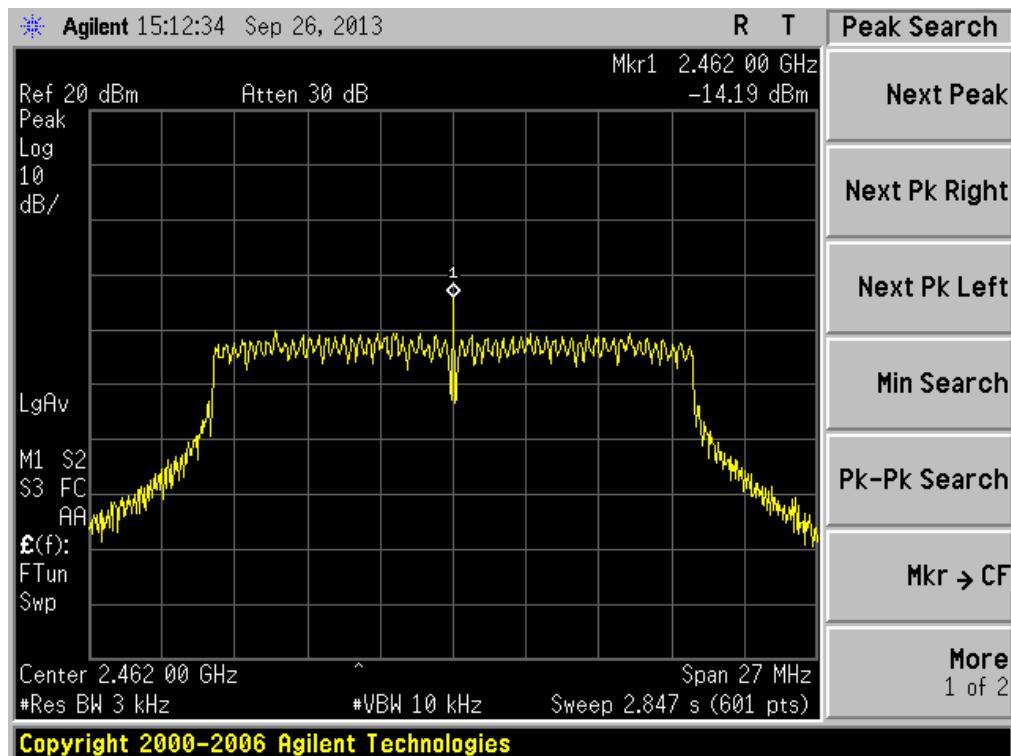
## 802.11n 20 TEST RESULT



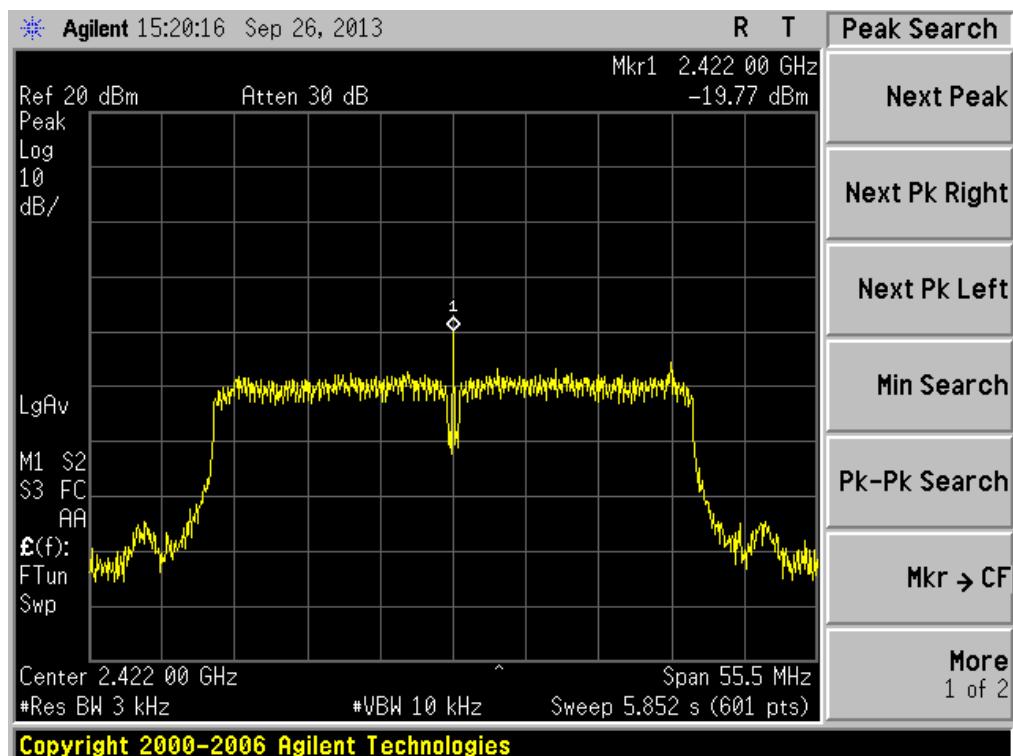
## TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



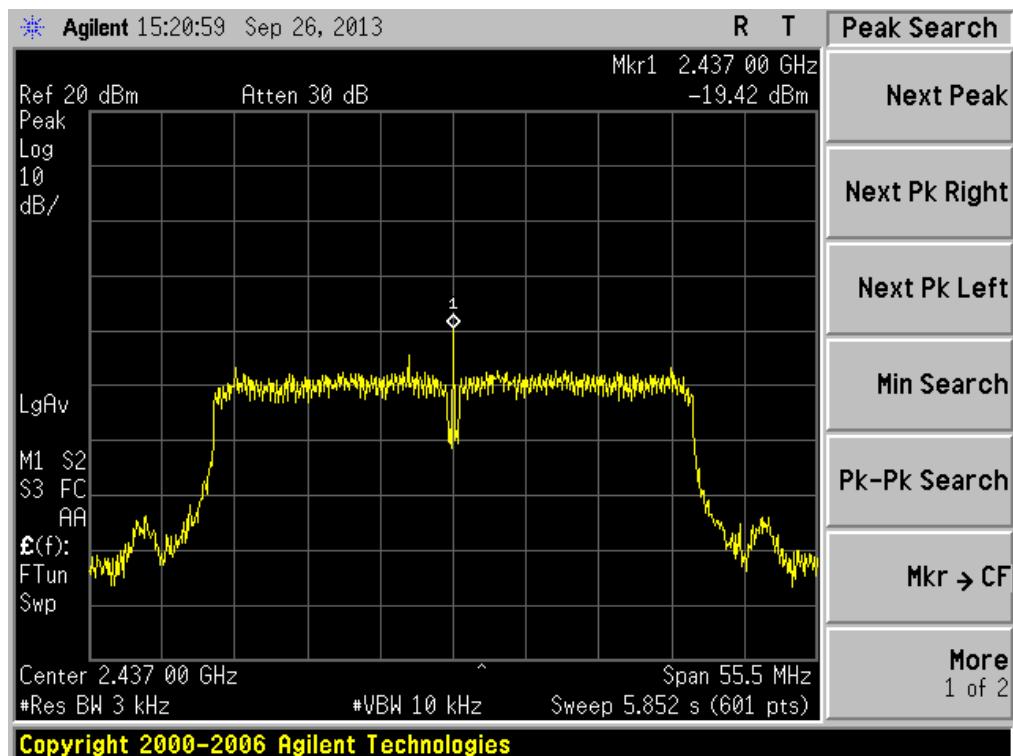
TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



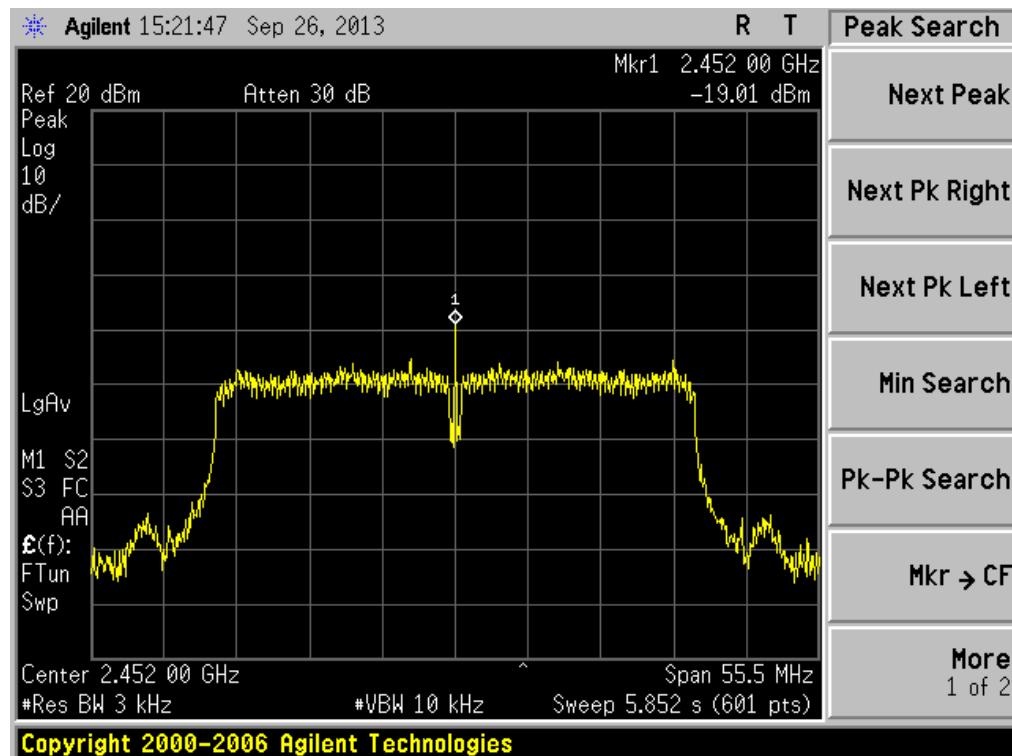
**802.11n 40 TEST RESULT**  
**TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL**



**TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL**



TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



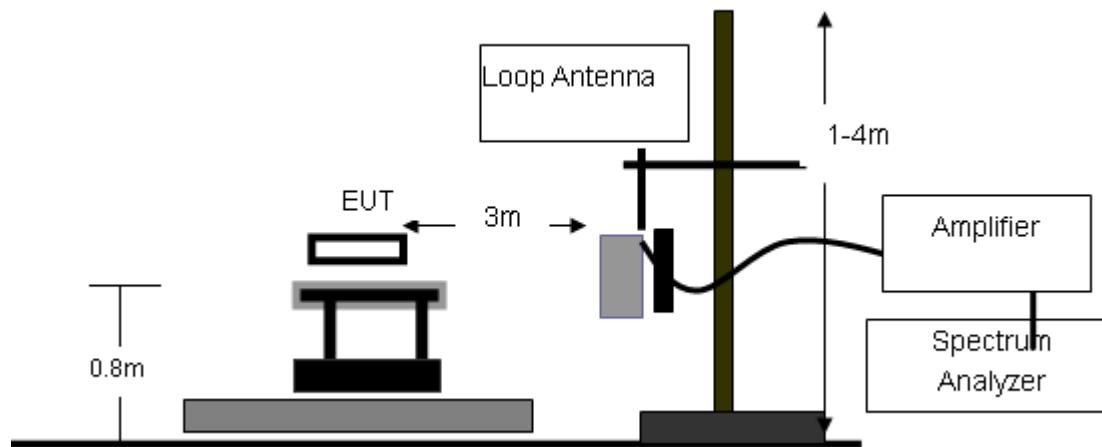
## 11. RADIATED EMISSION

### 11.1. MEASUREMENT PROCEDURE

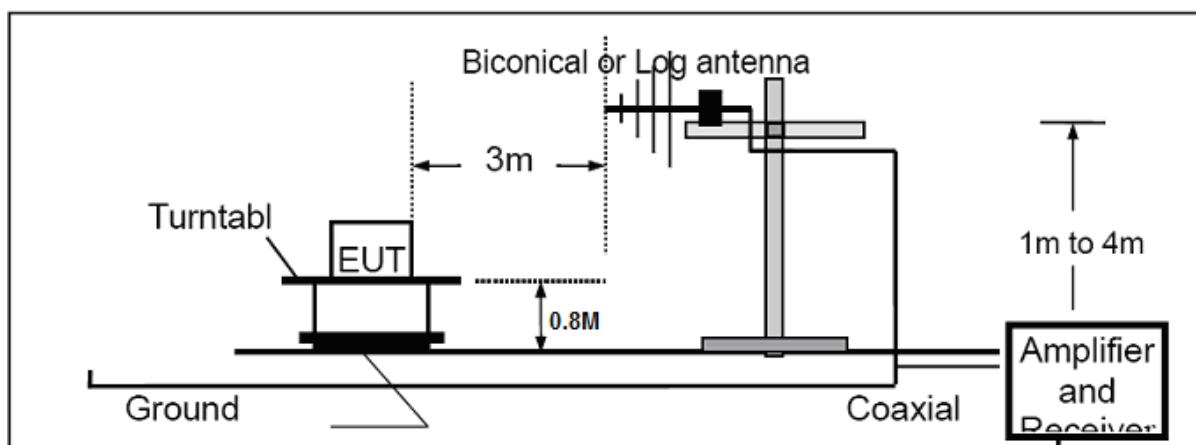
1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

## 11.2. TEST SETUP

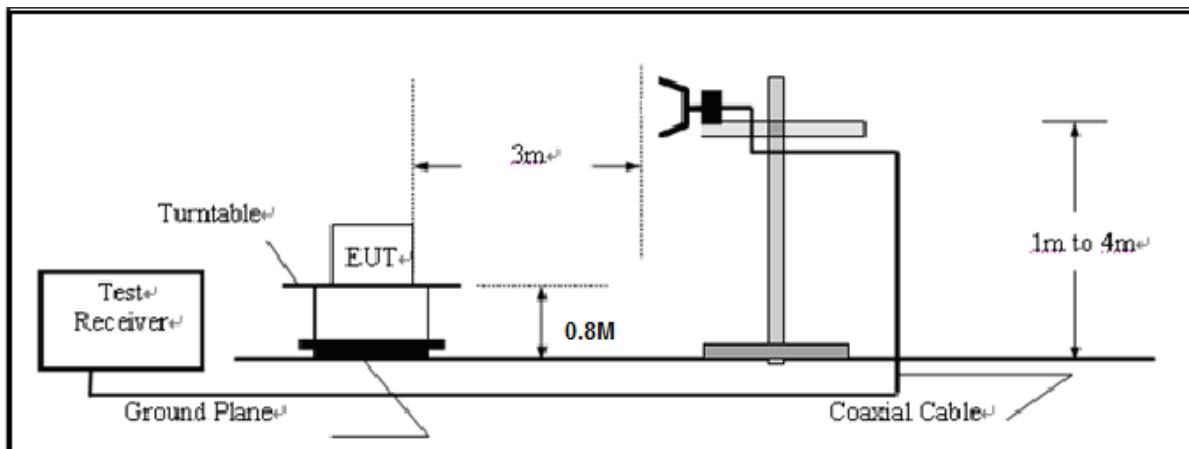
### RADIATED EMISSION TEST SETUP BELOW 30MHz



### RADIATED EMISSION TEST SETUP 30MHz-1000MHz



### RADIATED EMISSION TEST SETUP ABOVE 1000MHz



### 11.3. LIMITS AND MEASUREMENT RESULT

15.209(a) Limit in the below table has to be followed

<b>Frequencies (MHz)</b>	<b>Field Strength (micorvolts/meter)</b>	<b>Measurement Distance (meters)</b>
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested For restricted band radiated emission,  
the test records reported below are the worst result compared to other modes.

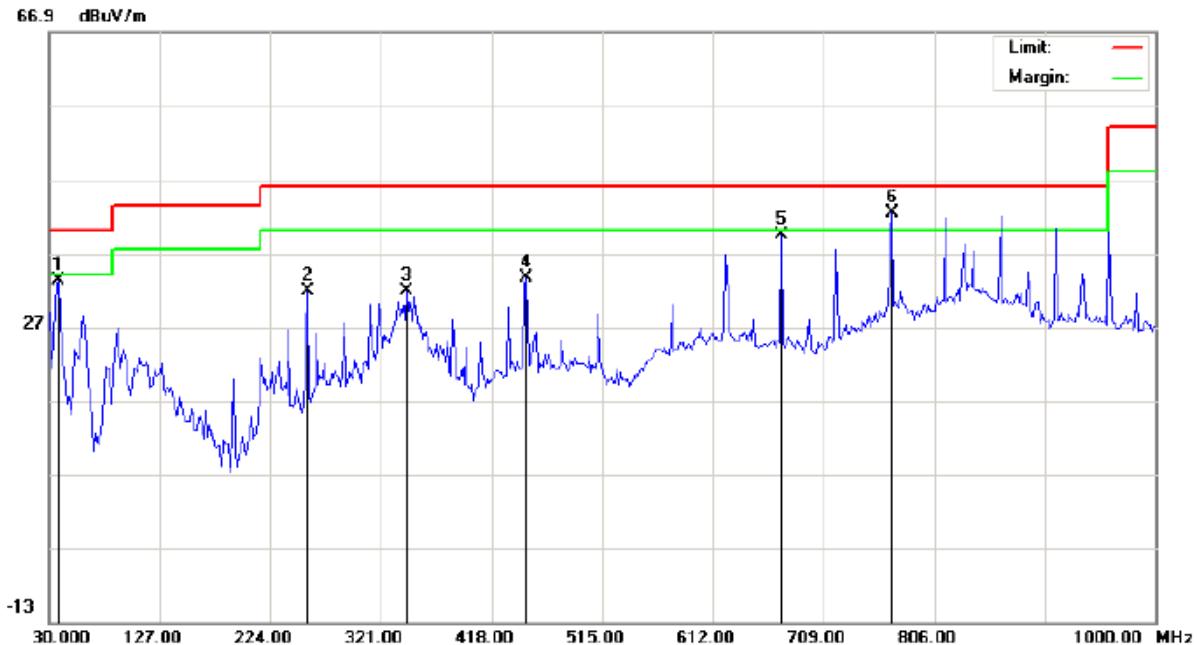
### 11.4. TEST RESULT

#### RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

RADIATED EMISSION BELOW 1GHZ

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with date rate 1 2412MHZ	<b>Antenna</b>	Horizontal



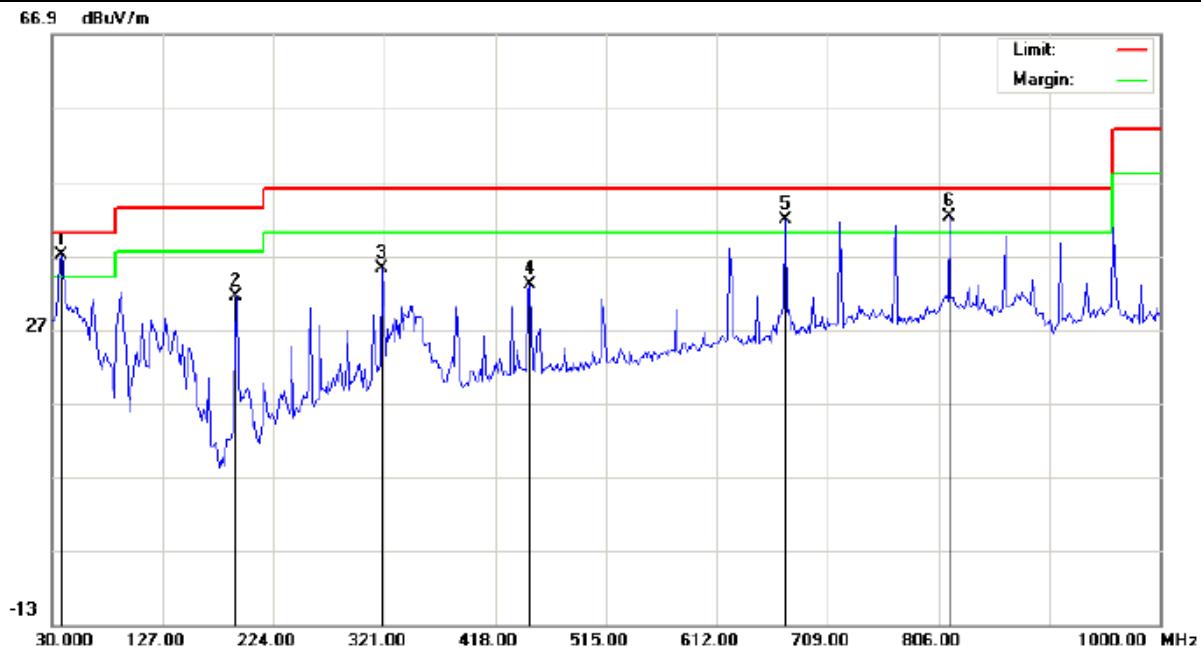
Site: site #1  
Limit: FCC Class B 3M Radiation  
EUT: Tablet PC  
M/N: D80A11-2M  
Mode: Low Channel TX  
Note:

Polarization: **Horizontal** Temperature: 26  
Power: Humidity: 60 %  
Distance: 3m

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		38.0833	24.65	8.60	33.25	40.00	-6.75	peak			
2		256.3333	21.72	10.03	31.75	46.00	-14.25	peak			
3		343.6333	11.55	20.30	31.85	46.00	-14.15	peak			
4		448.7167	12.00	21.60	33.60	46.00	-12.40	peak			
5		671.8165	14.99	24.32	39.31	46.00	-6.69	peak			
6	*	768.8165	13.54	28.83	42.37	46.00	-3.63	peak			

**RESULT: PASS**

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with date rate 1 2412MHZ	<b>Antenna</b>	Vertical



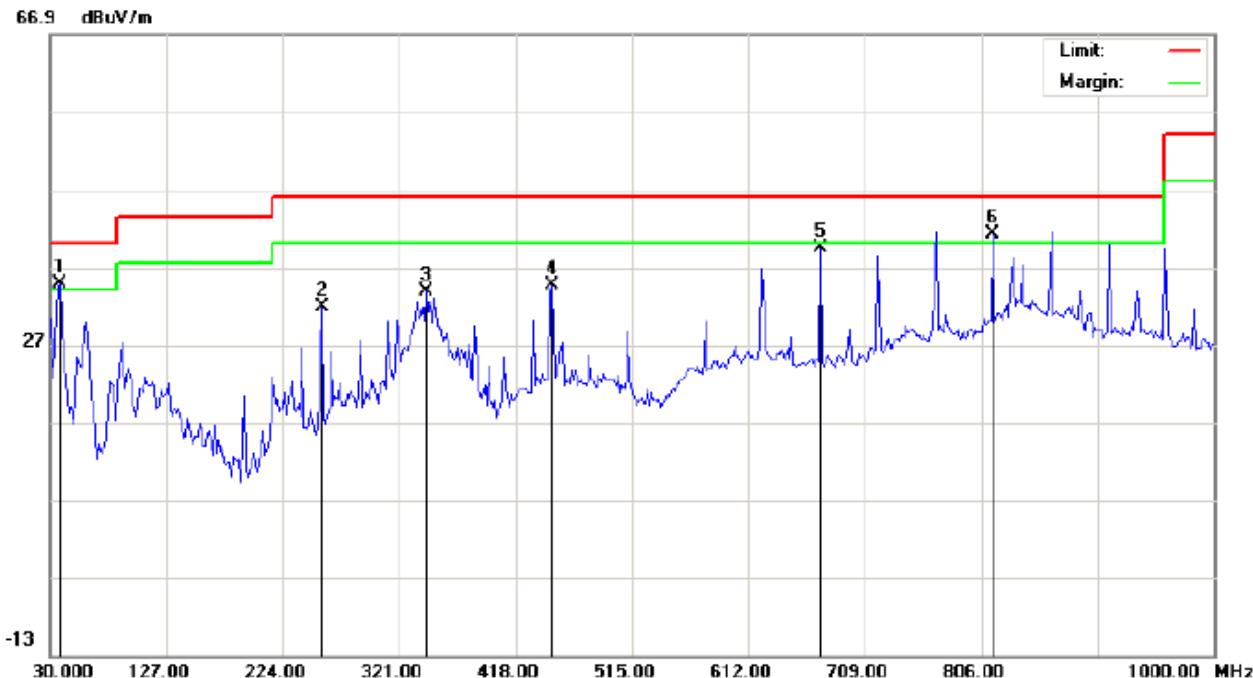
Site: site #1  
Limit: FCC Class B 3M Radiation  
EUT: Tablet PC  
M/N: D80A11-2M  
Mode: Low Channel TX  
Note:

Polarization: **Vertical**  
Power:  
Distance: 3m  
Temperature: 26  
Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	38.0833	30.12	6.84	36.96	40.00	-3.04	peak			
2		191.6665	24.33	7.06	31.39	43.50	-12.11	peak			
3		319.3833	16.04	19.16	35.20	46.00	-10.80	peak			
4		448.7167	11.49	21.60	33.09	46.00	-12.91	peak			
5	!	671.8166	15.39	26.32	41.71	46.00	-4.29	peak			
6	!	815.7000	12.55	29.60	42.15	46.00	-3.85	peak			

**RESULT: PASS**

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with date rate 1 2437MHZ	<b>Antenna</b>	Horizontal

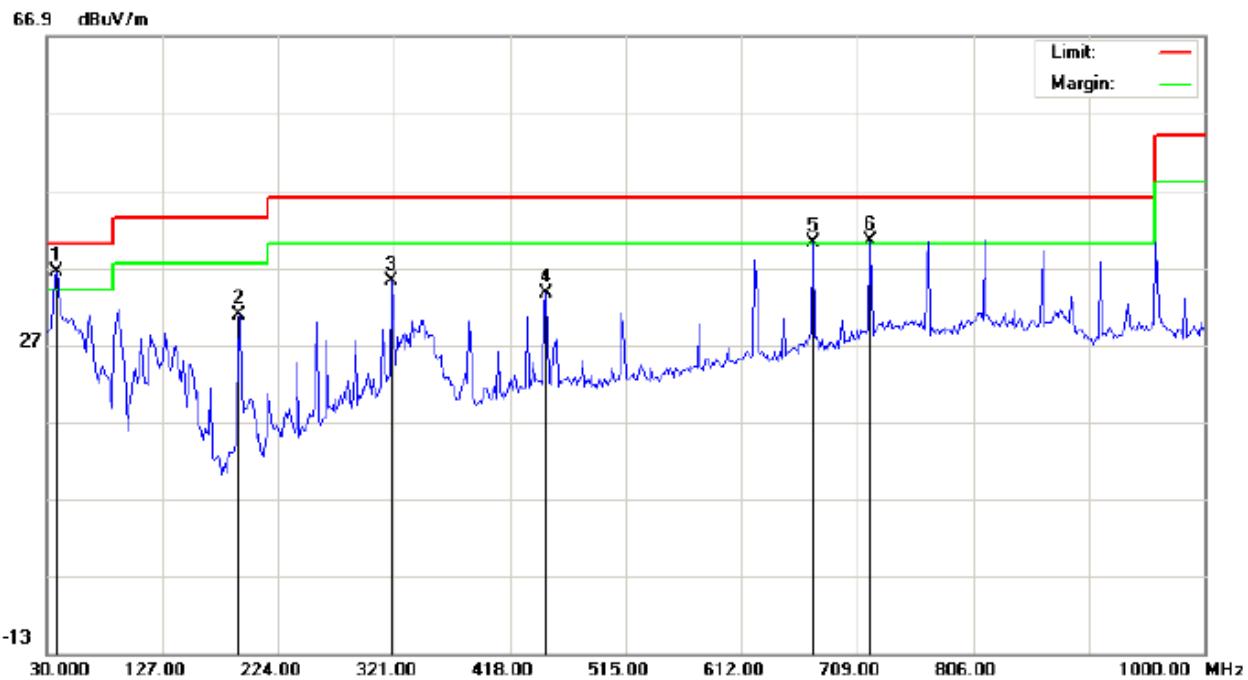


Site: site #1 Polarization: **Horizontal** Temperature: 26  
 Limit: FCC Class B 3M Radiation Power: Humidity: 60 %  
 EUT: Tablet PC Distance: 3m  
 M/N: D80A11-2M  
 Mode: Middle Channel TX  
 Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna	Table	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	!	38.0833	26.15	8.60	34.75	40.00	-5.25	peak			
2		256.3333	21.72	10.03	31.75	46.00	-14.25	peak			
3		343.6333	13.55	20.30	33.85	46.00	-12.15	peak			
4		448.7167	13.00	21.60	34.60	46.00	-11.40	peak			
5		671.8165	14.99	24.32	39.31	46.00	-6.69	peak			
6	*	815.7000	11.69	29.58	41.27	46.00	-4.73	peak			

**RESULT: PASS**

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with date rate 1 2437MHZ	<b>Antenna</b>	Vertical

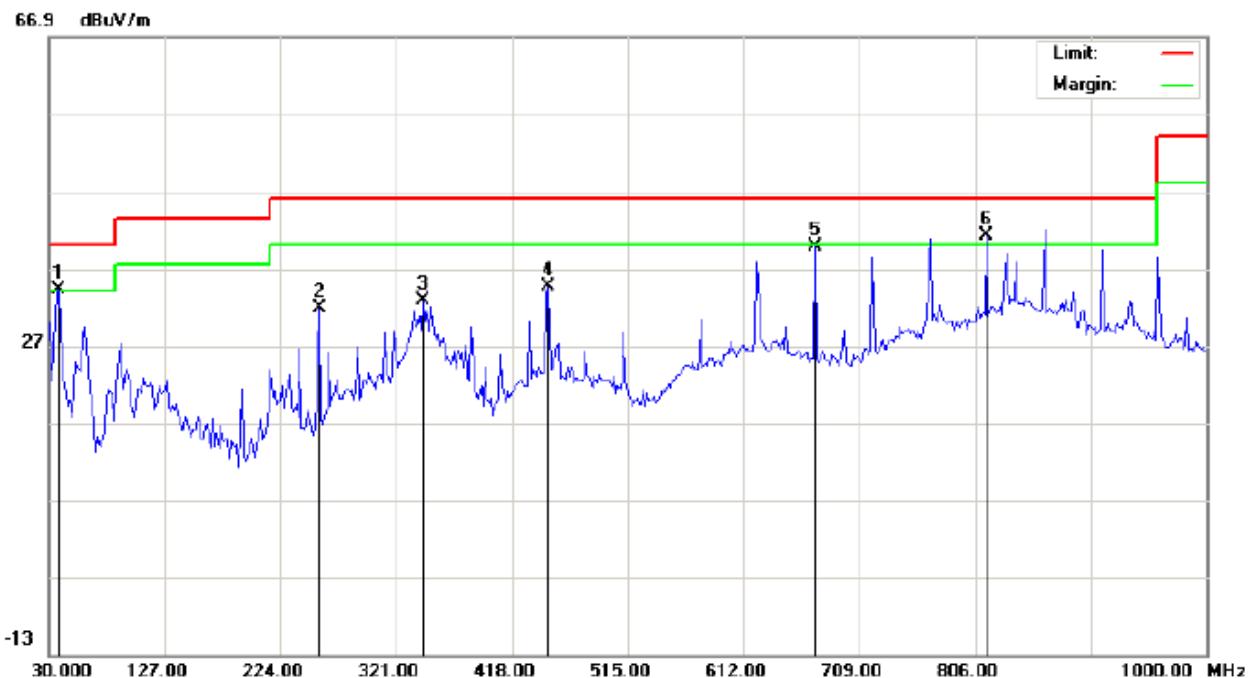


Site: site #1  
Limit: FCC Class B 3M Radiation  
EUT: Tablet PC  
M/N: D80A11-2M  
Mode: Middle Channel TX  
Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna	Table	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		Height	Degree	
1	*	38.0833	29.62	6.84	36.46	40.00	-3.54	peak			
2		191.6665	23.83	7.06	30.89	43.50	-12.61	peak			
3		319.3833	16.04	19.16	35.20	46.00	-10.80	peak			
4		448.7167	11.99	21.60	33.59	46.00	-12.41	peak			
5	!	671.8166	13.89	26.32	40.21	46.00	-5.79	peak			
6	!	720.3166	12.76	27.55	40.31	46.00	-5.69	peak			

**RESULT: PASS**

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with date rate 1 2462MHZ	<b>Antenna</b>	Horizontal

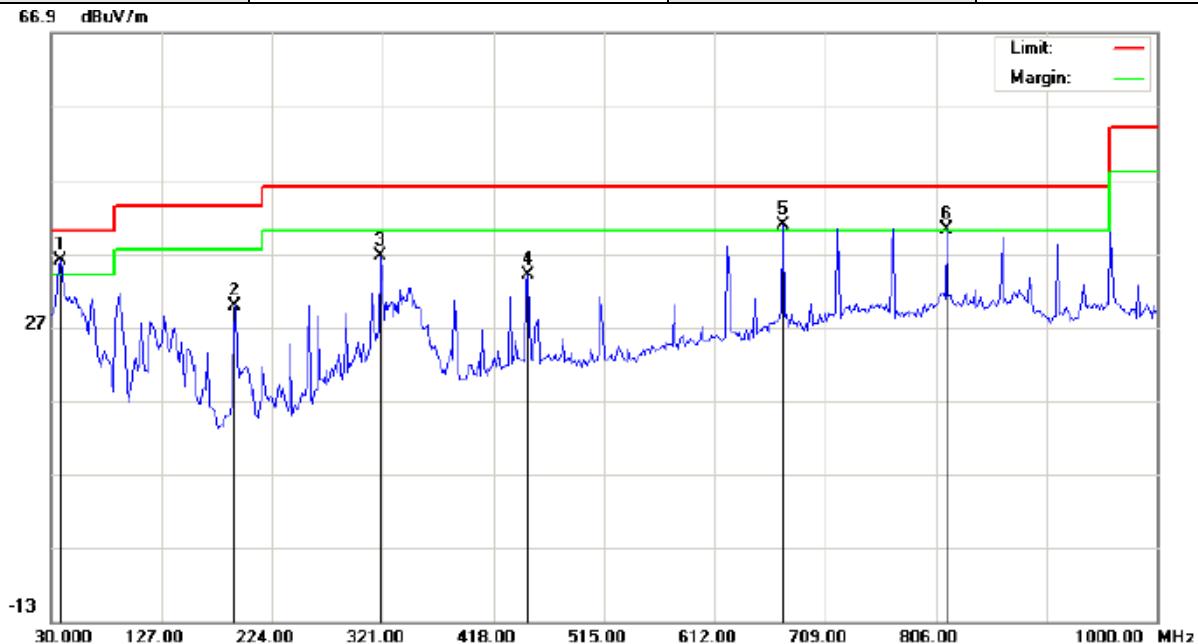


Site: site #1  
 Polarization: **Horizontal**  
 Temperature: 26  
 Limit: FCC Class B 3M Radiation  
 Power: 60 %  
 EUT: Tablet PC  
 Distance: 3m  
 M/N: D80A11-2M  
 Mode: High Channel TX  
 Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna	Table	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	!	38.0833	25.65	8.60	34.25	40.00	-5.75	peak			
2		256.3333	21.72	10.03	31.75	46.00	-14.25	peak			
3		343.6333	12.55	20.30	32.85	46.00	-13.15	peak			
4		448.7167	13.00	21.60	34.60	46.00	-11.40	peak			
5		671.8165	15.49	24.32	39.81	46.00	-6.19	peak			
6	*	815.7000	11.69	29.58	41.27	46.00	-4.73	peak			

**RESULT: PASS**

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with date rate 1 2462MHZ	<b>Antenna</b>	Vertical



Site: site #1  
Limit: FCC Class B 3M Radiation  
EUT: Tablet PC  
M/N: D80A11-2M  
Mode: High Channel TX  
Note:

Polarization: **Vertical**

Temperature: 26

Power:

Humidity: 60 %

Distance: 3m

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	38.0833	29.12	6.84	35.96	40.00	-4.04	peak			
2		191.6665	22.83	7.06	29.89	43.50	-13.61	peak			
3		319.3833	17.54	19.16	36.70	46.00	-9.30	peak			
4		448.7167	12.49	21.60	34.09	46.00	-11.91	peak			
5	!	671.8166	14.39	26.32	40.71	46.00	-5.29	peak			
6	!	815.7000	10.55	29.60	40.15	46.00	-5.85	peak			

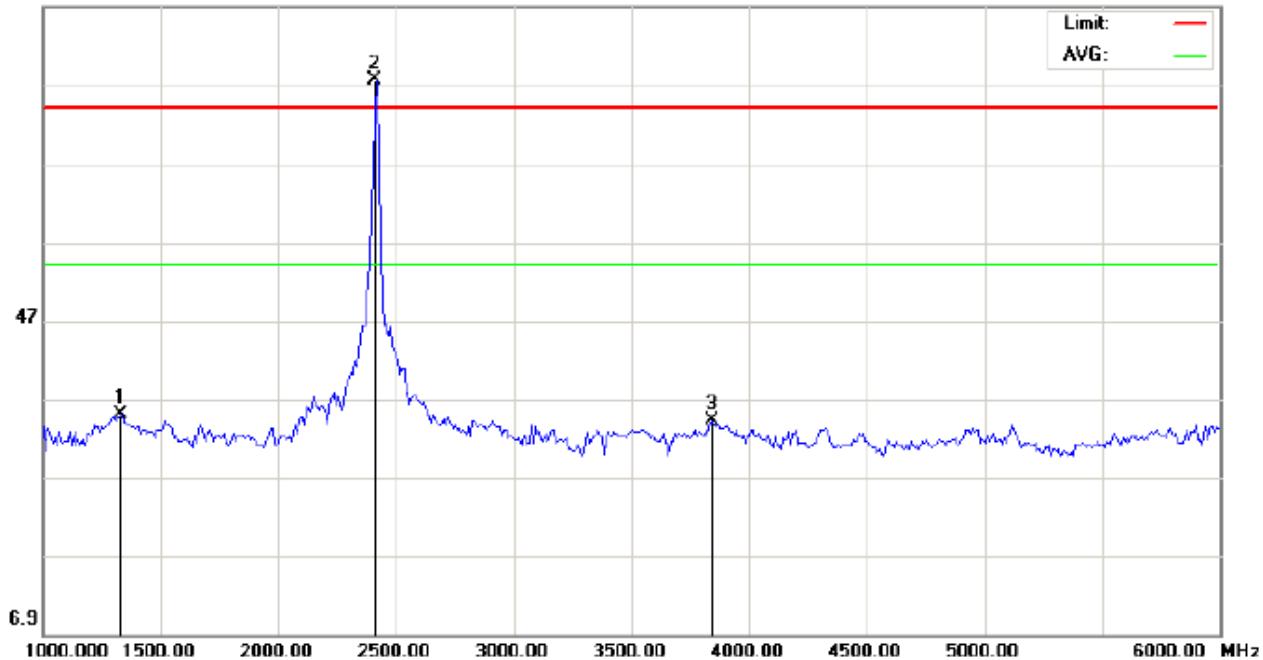
## RESULT: PASS

Note: Measurement= Reading + Factor, Over=Measure-Limit.

RADIATED EMISSION ABOVE 1GHZ

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with date rate 1 2412MHZ	<b>Antenna</b>	Horizontal

86.9 dBuV/m



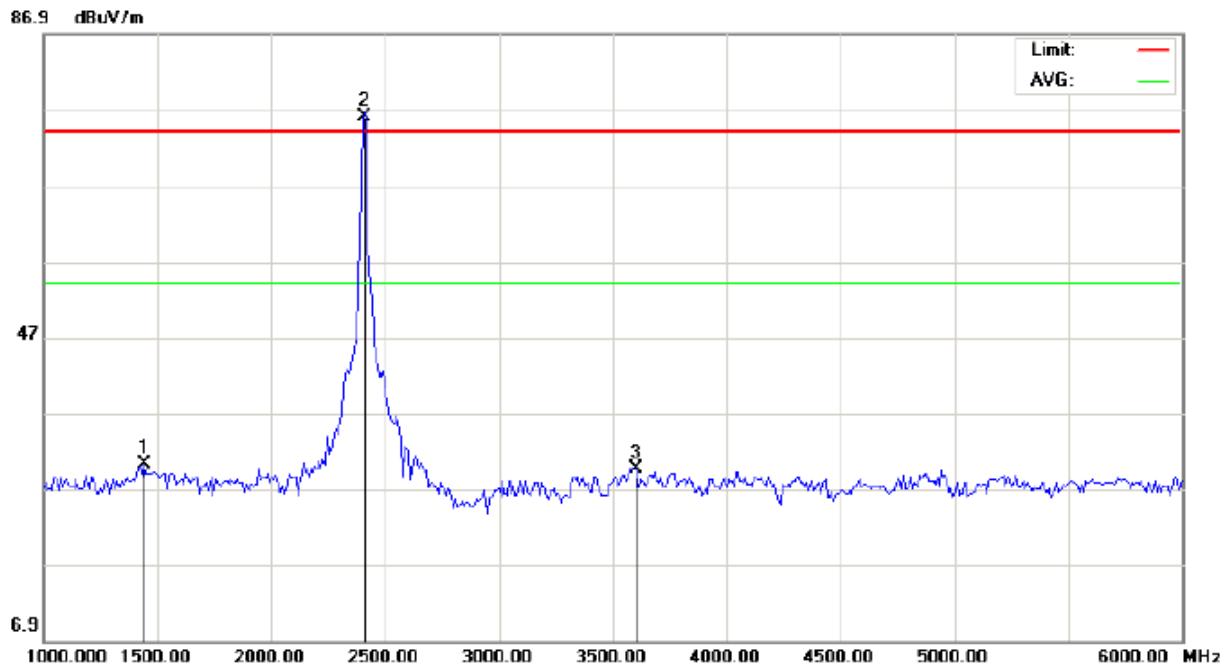
Site: site #1 Polarization: **Horizontal** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %  
EUT: Tablet PC Distance: 3m  
M/N: Tablet PC  
Mode: Low channel  
Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		1333.333	34.95	0.00	34.95	74.00	-39.05	peak			
2	*	2412.000	77.66	0.00	77.66	74.00	3.66	peak			
3		3841.667	34.27	0.00	34.27	74.00	-39.73	peak			

\*\*The 2 is the basic frequency.

**RESULT: PASS**

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with date rate 1 2412MHz	<b>Antenna</b>	Vertical



Site: site #1  
 Polarization: **Vertical**  
 Temperature: 26  
 Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %  
 EUT: Tablet PC Distance: 3m  
 M/N: Tablet PC  
 Mode: Low channel  
 Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		1441.667	30.21	0.00	30.21	74.00	-43.79	peak			
2	*	2412.000	75.92	0.00	75.92	74.00	1.92	peak			
3		3600.000	29.65	0.00	29.65	74.00	-44.35	peak			

\*\*The 2 is the basic frequency.

## RESULT: PASS

**Note:** The other modes radiation emissions have more than 20dB margin.

Measurement= Reading + Factor, Over=Measure-Limit.

All modes radiation emission from 6GHz to 25GHz at least have 20dB margin.

## **12. BAND EDGE EMISSION**

### **12.1. MEASUREMENT PROCEDURE**

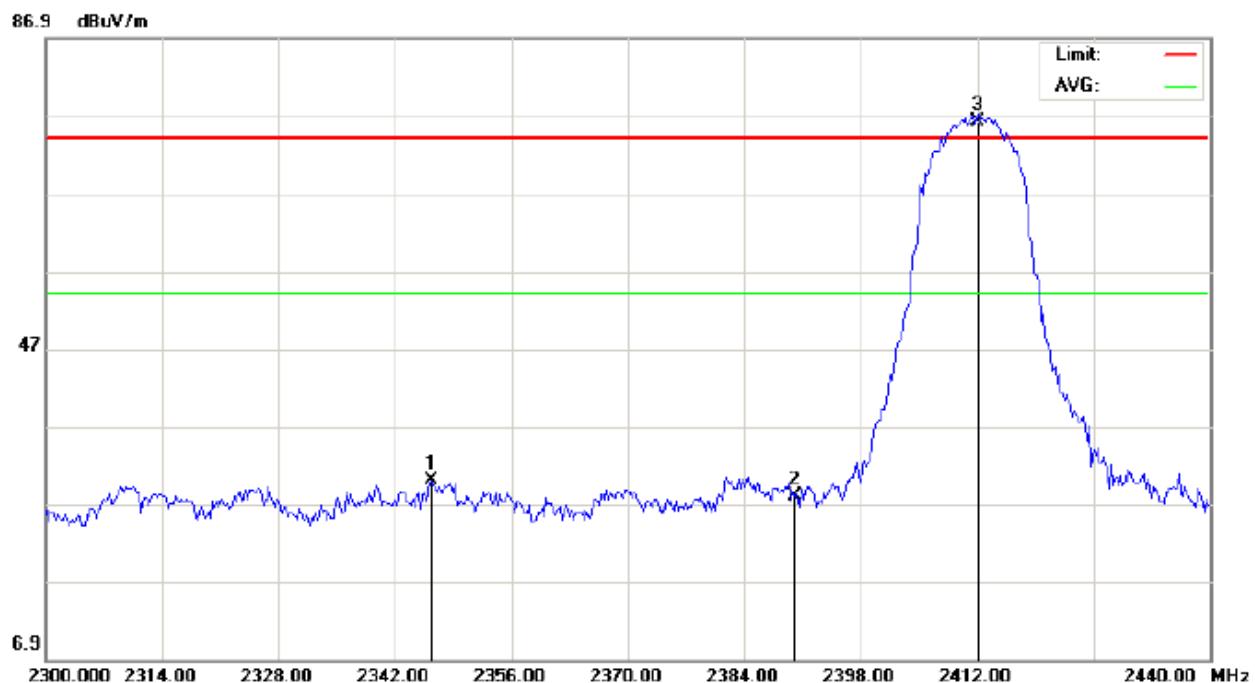
1. Set the EUT Work on the top, the bottom operation frequency individually.
2. Set SPA Start or Stop Frequency = Operation Frequency,  $RBW \geq 1\% \text{span}$ ,  $VBW \geq RBW$
3. The band edges was measured and recorded.

### **12.2. TEST SET-UP**

Radiated same as 11.2

### 12.3. TEST RESULT

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with data rate 1 2412MHZ	<b>Antenna</b>	Horizontal

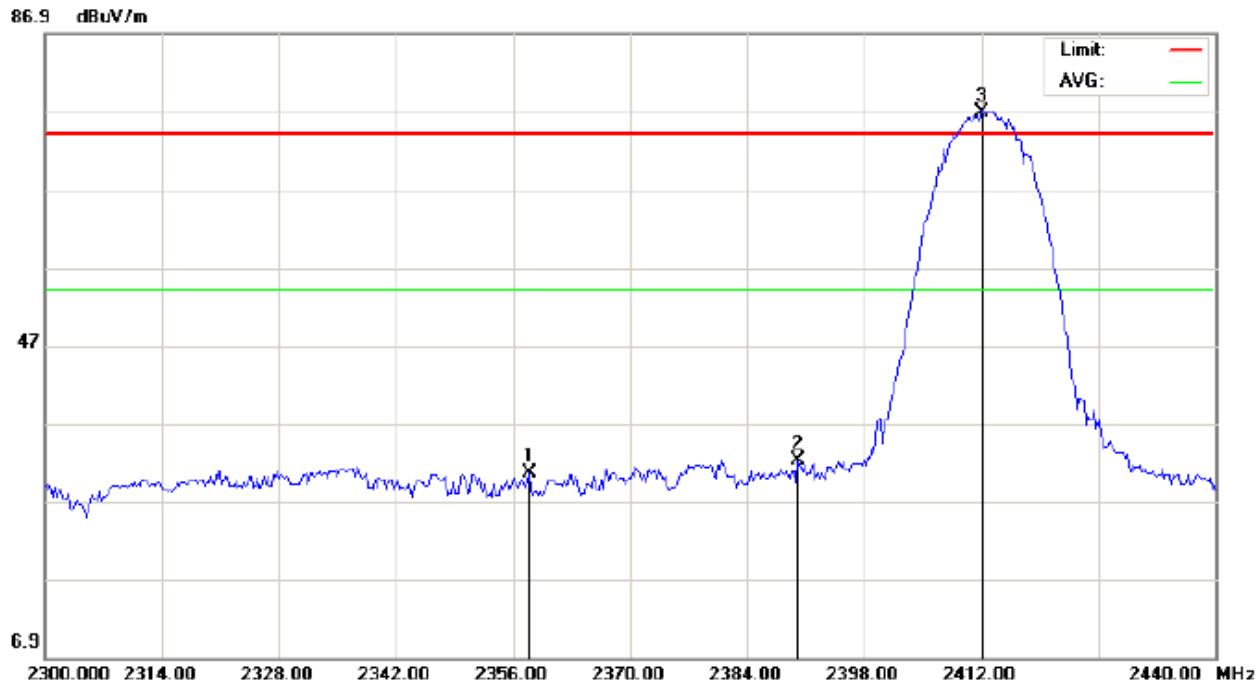


Site: site #1 Polarization: **Horizontal** Temperature: 26  
 Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %  
 EUT: Tablet PC Distance: 3m  
 M/N: Tablet PC  
 Mode: 802.11b Low channel TX  
 Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna	Table	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		Height	Degree	
1		2346.433	29.95	0.00	29.95	74.00	-44.05	peak			
2		2390.000	28.10	0.00	28.10	74.00	-45.90	peak			
3	*	2412.060	76.23	0.00	76.23	74.00	2.23	peak			

**RESULT: PASS**

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with data rate 1 2412MHZ	<b>Antenna</b>	Vertical



Site: site #1 Polarization: **Vertical** Temperature: 26  
 Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %  
 EUT: Tablet PC Distance: 3m  
 M/N: Tablet PC  
 Mode: 802.11b Low channel TX  
 Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2357.867	30.53	0.00	30.53	74.00	-43.47	peak			
2		2390.000	32.25	0.00	32.25	74.00	-41.75	peak			
3	*	2412.070	76.86	0.00	76.86	74.00	2.86	peak			

**RESULT: PASS**

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with data rate 1 2462MHZ	<b>Antenna</b>	Horizontal



Site: site #1 Polarization: **Horizontal** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %  
EUT: Tablet PC Distance: 3m  
M/N: Tablet PC  
Mode: 802.11b High channel TX  
Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2462.080	77.26	0.00	77.26	74.00	3.26	peak			
2		2483.500	29.08	0.00	29.08	74.00	-44.92	peak			
3		2543.467	31.04	0.00	31.04	74.00	-42.96	peak			

## RESULT: PASS

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11b with data rate 1 2462MHZ	<b>Antenna</b>	Vertical

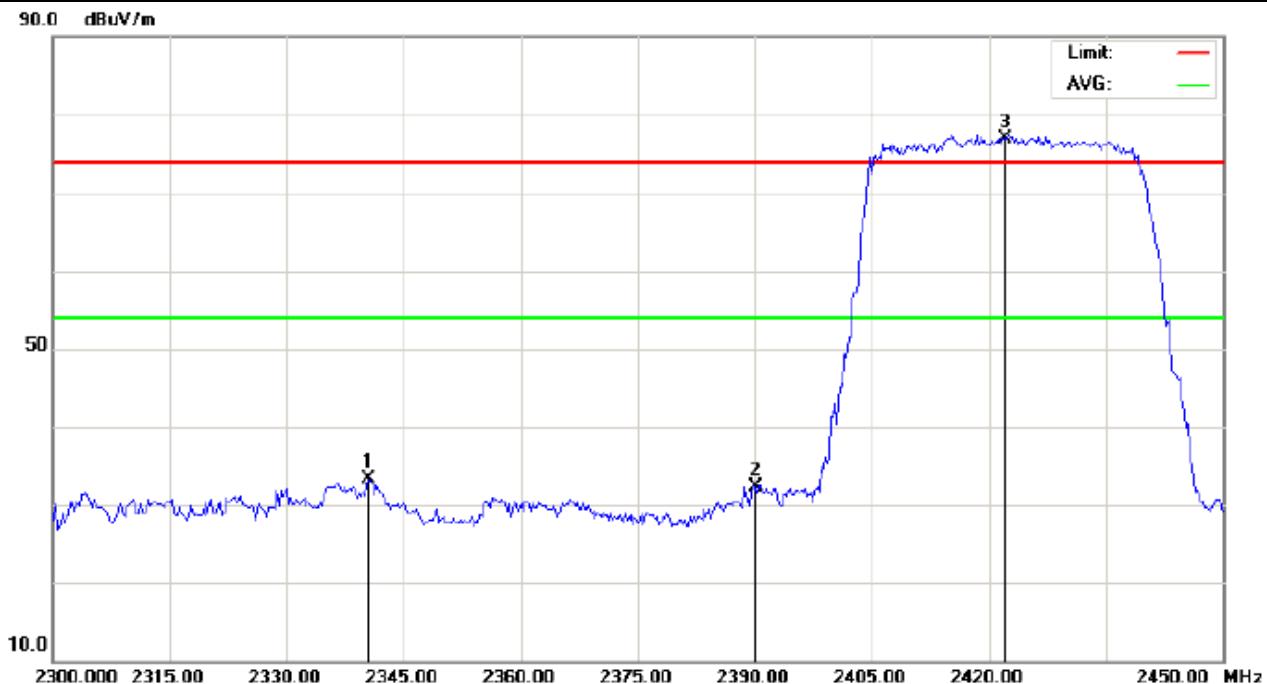


Site: site #1 Polarization: **Vertical** Temperature: 26  
 Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %  
 EUT: Tablet PC Distance: 3m  
 M/N: Tablet PC  
 Mode: 802.11b High channel TX  
 Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2462.040	77.49	0.00	77.49	74.00	3.49	peak			
2		2483.500	28.13	0.00	28.13	74.00	-45.87	peak			
3		2531.467	33.75	0.00	33.75	74.00	-40.25	peak			

**RESULT: PASS**

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11n 40 with data rate 13.5 2422MHZ	<b>Antenna</b>	Horizontal

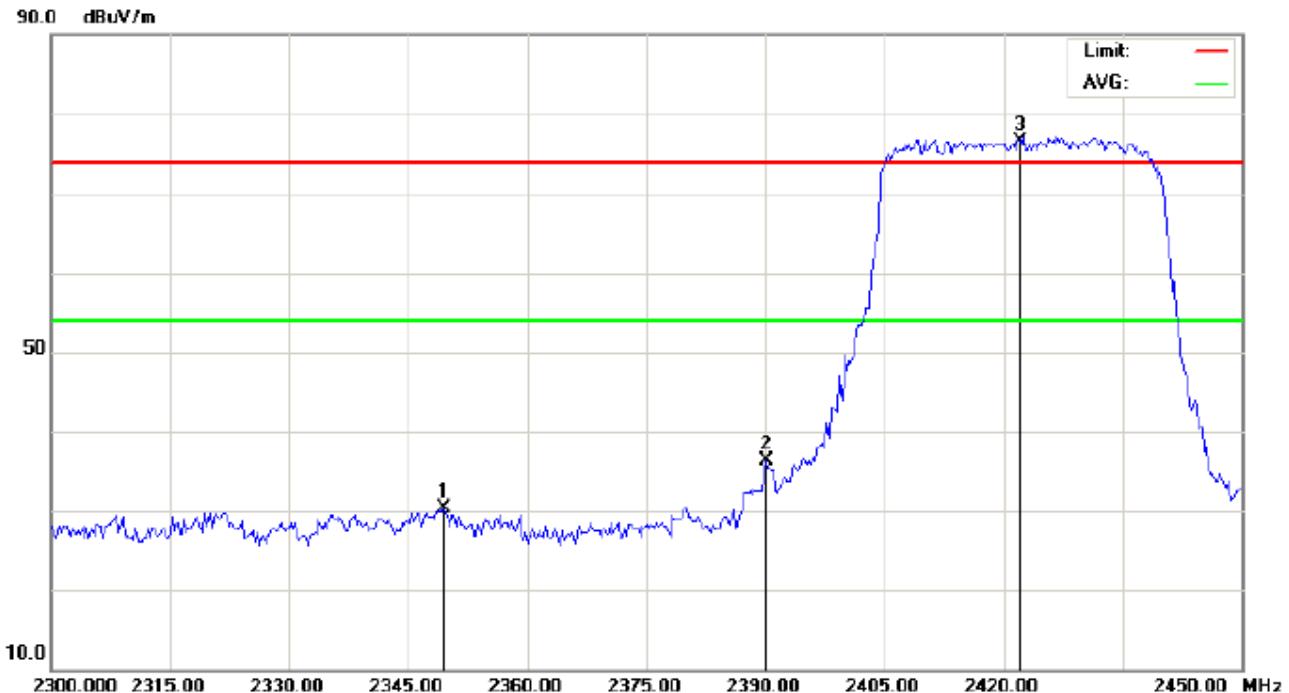


Site: site #1 Polarization: *Horizontal* Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %  
EUT: Tablet PC Distance: 3m  
M/N: D80A11-2M  
Mode: 802.11n(40) Low channel TX  
Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2340.500	33.30	0.00	33.30	74.00	-40.70	peak			
2		2390.000	32.24	0.00	32.24	74.00	-41.76	peak			
3	*	2422.000	76.91	0.00	76.91	74.00	2.91	peak			

## RESULT: PASS

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11n 40 with data rate 13.5 2422MHZ	<b>Antenna</b>	Vertical

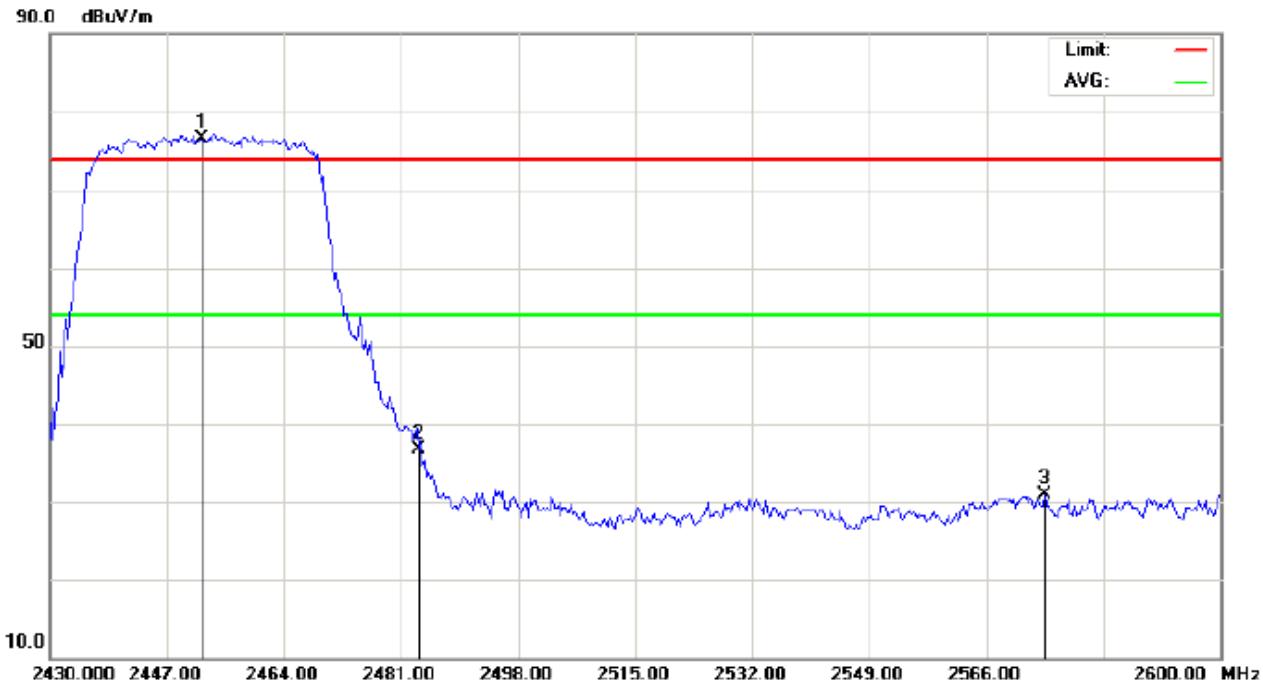


Site: site #1 Polarization: **Vertical** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %  
EUT: Tablet PC Distance: 3m  
M/N: D80A11-2M  
Mode: 802.11n(40) Low channel TX  
Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2349.500	30.28	0.00	30.28	74.00	-43.72	peak			
2		2390.000	36.30	0.00	36.30	74.00	-37.70	peak			
3	*	2422.000	76.48	0.00	76.48	74.00	2.48	peak			

## RESULT: PASS

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11n 40 with data rate 13.5 2452MHz	<b>Antenna</b>	Horizontal



Site: site #1 Polarization: **Horizontal** Temperature: 26

Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %

EUT: Tablet PC Distance: 3m

M/N: D80A11-2M

Mode: 802.11n(40) High channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna	Table	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2452.000	76.50	0.00	76.50	74.00	2.50	peak			
2		2483.500	36.73	0.00	36.73	74.00	-37.27	peak			
3		2574.500	30.85	0.00	30.85	74.00	-43.15	peak			

**RESULT: PASS**

<b>EUT</b>	Tablet PC	<b>Model Name</b>	D80A11-2M
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	802.11n 40 with data rate 13.5 2452MHZ	<b>Antenna</b>	Vertical



Site: site #1 Polarization: *Vertical* Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %  
EUT: Tablet PC Distance: 3m  
M/N: D80A11-2M  
Mode: 802.11n(40) High channel TX  
Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2452.000	76.70	0.00	76.70	74.00	2.70	peak			
2		2483.500	33.92	0.00	33.92	74.00	-40.08	peak			
3		2555.517	30.06	0.00	30.06	74.00	-43.94	peak			

## RESULT: PASS

**Note:** the other modes radiation emission have enough 20dB margin.

Measurement= Reading + Factor, Over=Measure-Limit.

## 13. FCC LINE CONDUCTED EMISSION TEST

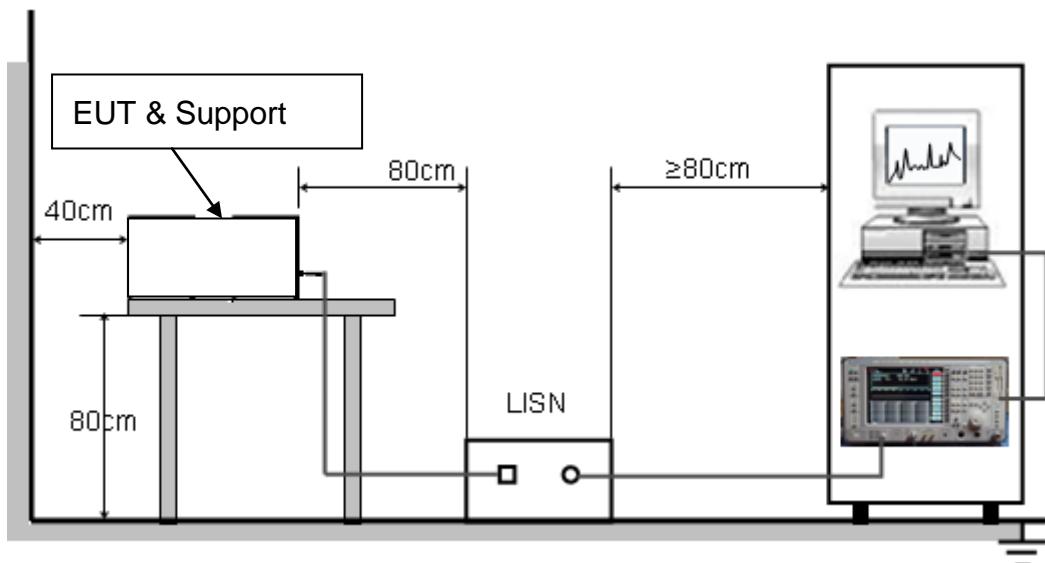
### 13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	Q.P. (dBuV)	Average (dBuV)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

### 13.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



### **13.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST**

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.4.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
4. All support equipments received AC120V/60Hz power from a LISN, if any.
5. The EUT received charging voltage by adapter which received 120V/60Hz power by a LISN..
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

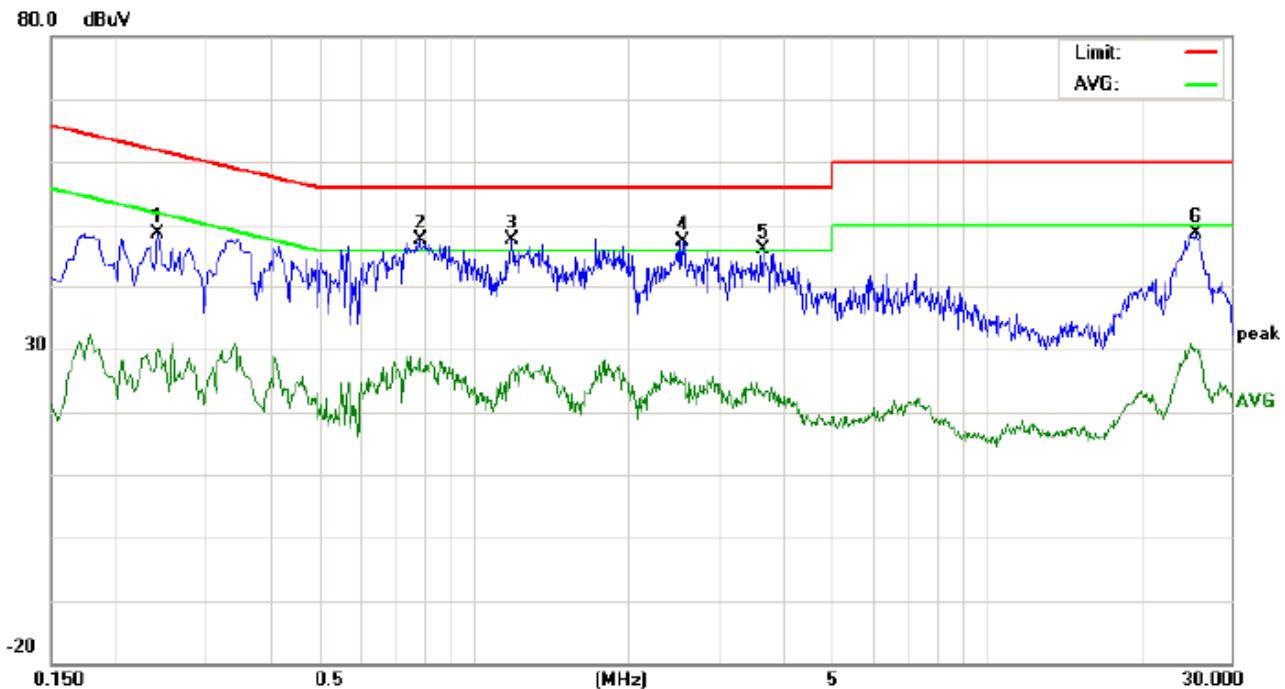
Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

### **13.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST**

1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less -2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case condition(s) was reported on the Summary Data page.

### 13.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

#### LINE CONDUCTED EMISSION TEST LINE 1-L



Site: Conduction  
 Limit: FCC Class B Conduction(QP)  
 EUT: Tablet PC  
 M/N: D80A11-2M  
 Mode: Normal Operating(WIFI)  
 Note:

Phase: *L1*

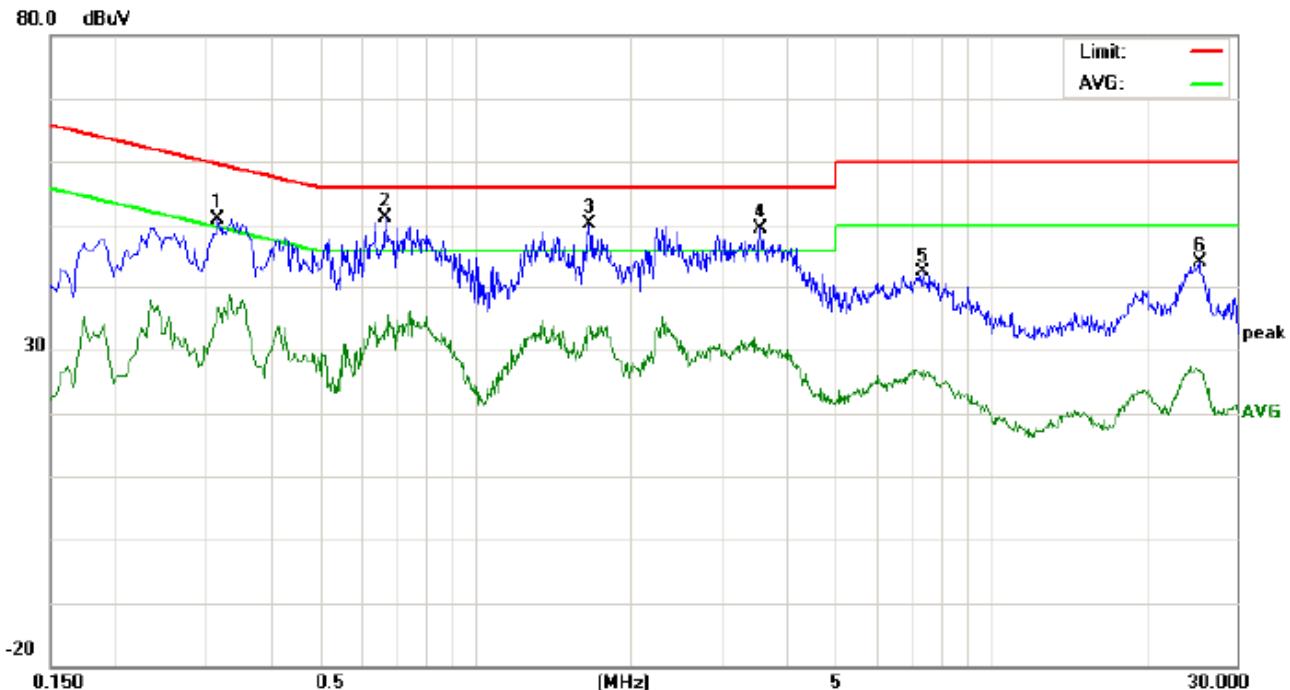
Temperature: 26

Power:

Humidity: 60 %

No.	Freq. (MHz)	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG		Peak	QP	AVG	QP	AVG	QP	AVG		
1	0.2419	31.09		11.17	10.26	41.35		21.43	62.03	52.03	-20.68	-30.60	P	
2	0.7860	37.30		18.24	10.29	47.59		28.53	56.00	46.00	-8.41	-17.47	P	
3	1.1858	37.19		15.69	10.37	47.56		26.06	56.00	46.00	-8.44	-19.94	P	
4	2.5659	36.95		13.96	10.45	47.40		24.41	56.00	46.00	-8.60	-21.59	P	
5	3.6699	35.59		12.40	10.48	46.07		22.88	56.00	46.00	-9.93	-23.12	P	
6	25.6539	38.59		19.71	10.11	48.70		29.82	60.00	50.00	-11.30	-20.18	P	

Line Conducted Emission Test Line 2-N



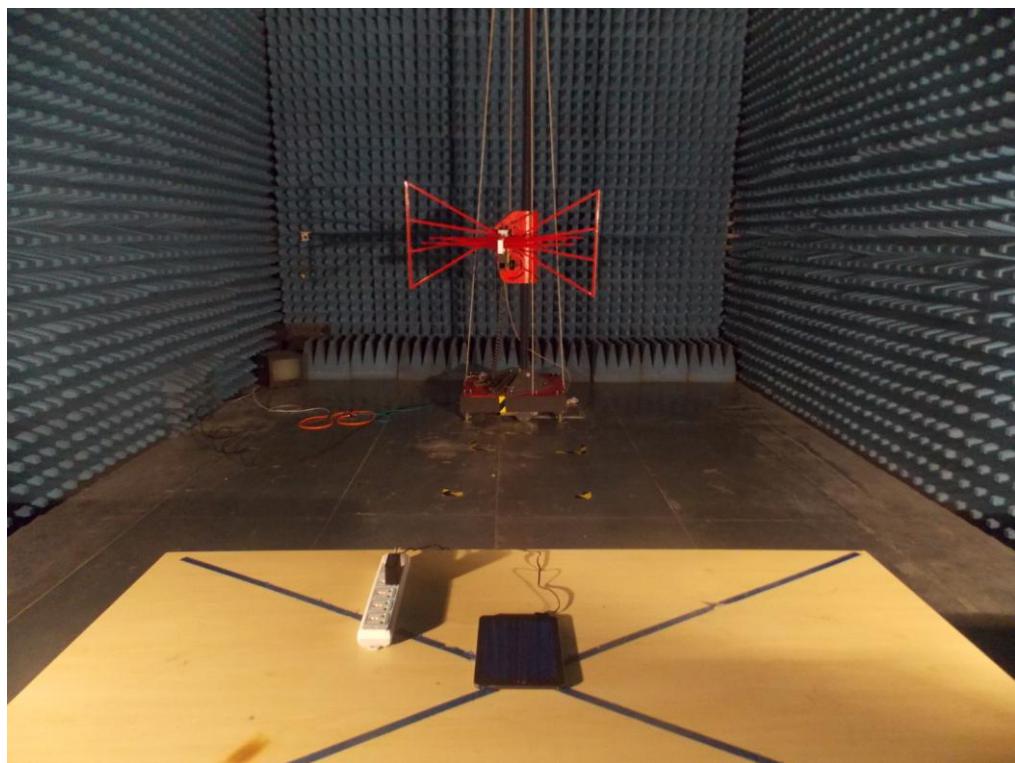
No.	Freq. (MHz)	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG		Peak	QP	AVG	QP	AVG	QP	AVG		
1	0.3180	40.49		26.38	10.30	50.79		36.68	59.76	49.76	-8.97	-13.08	P	
2	0.6700	40.75		22.58	10.34	51.09		32.92	56.00	46.00	-4.91	-13.08	P	
3	1.6657	39.67		23.26	10.33	50.00		33.59	56.00	46.00	-6.00	-12.41	P	
4	3.5779	38.91		19.95	10.50	49.41		30.45	56.00	46.00	-6.59	-15.55	P	
5	7.3699	32.16		16.49	10.34	42.50		26.83	60.00	50.00	-17.50	-23.17	P	
6	25.4497	33.91		16.63	10.12	44.03		26.75	60.00	50.00	-15.97	-23.25	P	

## APPENDIX A: PHOTOGRAPHS OF TEST SETUP

### FCC LINE CONDUCTED EMISSION TEST SETUP



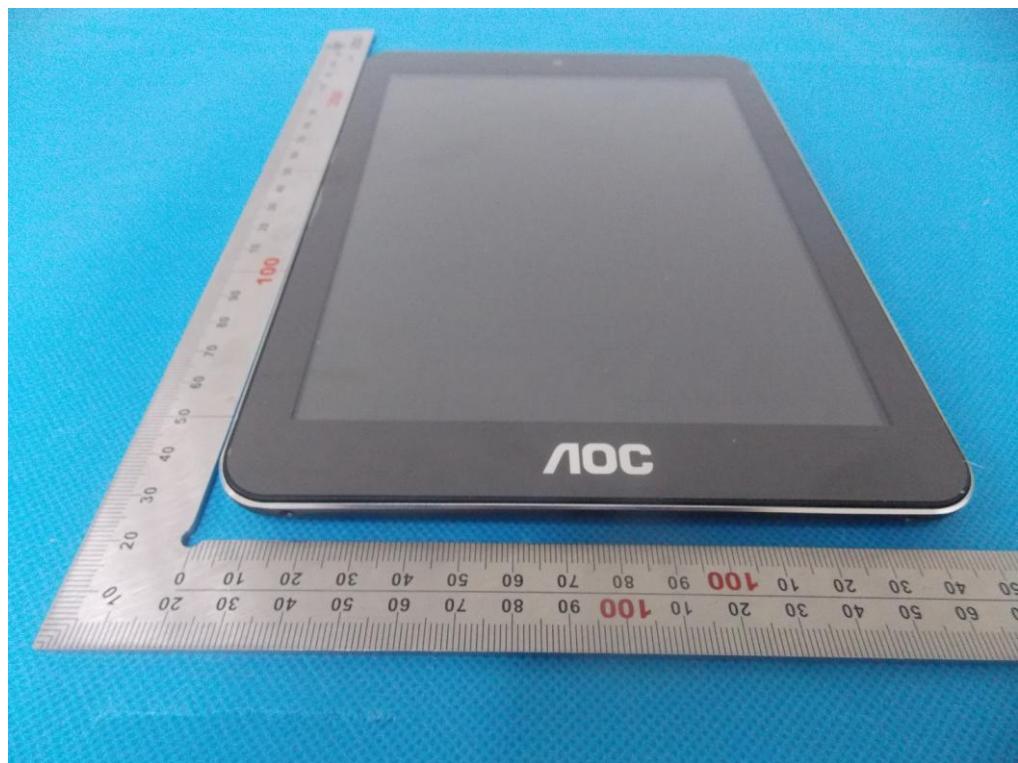
FCC RADIATED EMISSION TEST SETUP



**APPENDIX B: PHOTOGRAPHS OF EUT**  
**TOTAL VIEW OF EUT**



TOP VIEW OF EUT



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



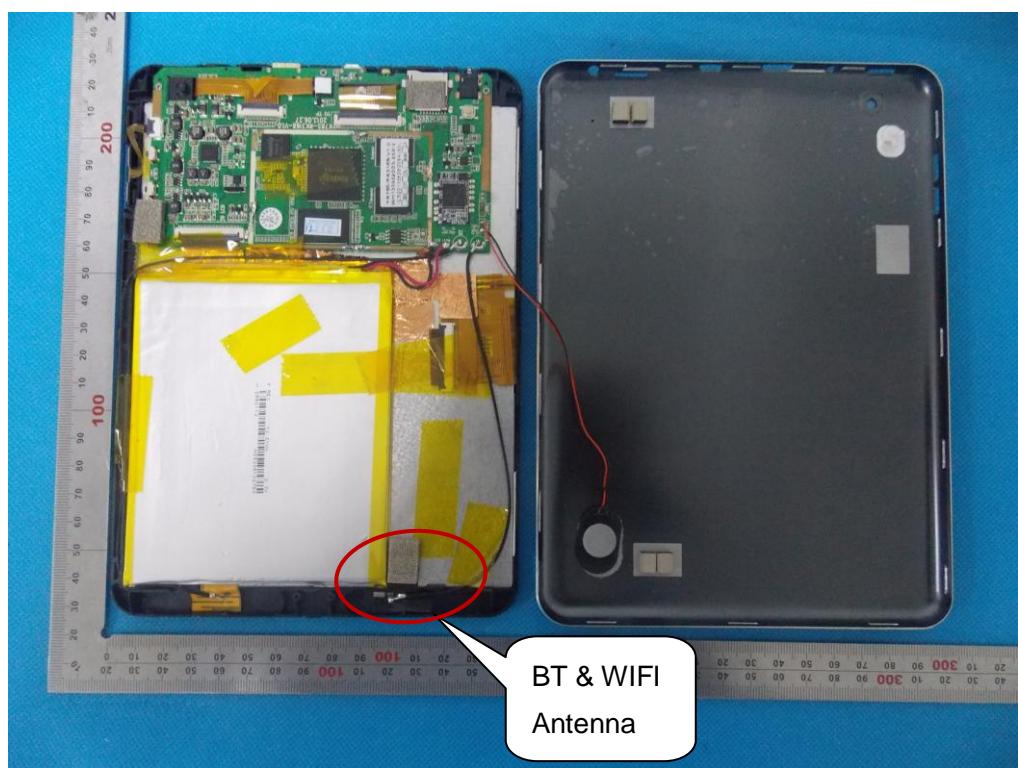
LEFT VIEW OF EUT



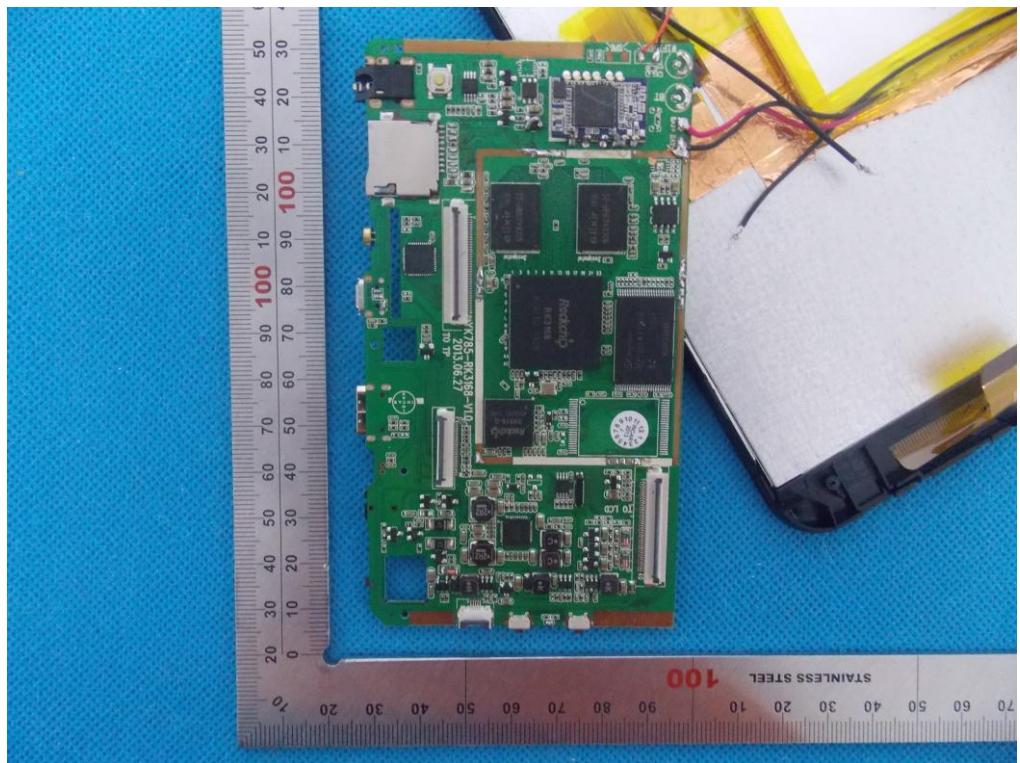
RIGHT VIEW OF EUT



OPEN VIEW OF EUT



INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2



----END OF REPORT----