APPLICATION CERTIFICATION FCC Part 15C
On Behalf of
Shenzhen Sungworld Electronics Co., Ltd.

MID
Model No.: M7000XX

FCC ID: WI3-M7000XX

Prepared for	:	Shenzhen Sungworld Electronics Co., Ltd.
Address	:	4#, North District, Shangxue Industrial Park, Bantian, Long Gang District, Shenzhen, China
Prepared by	:	ACCURATE TECHNOLOGY CO., LTD
Address	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China
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Report Number	:	ATE20111831
Date of Test	:	August 27-31, 2011
Date of Report	:	September 3, 2011

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Description Page

Test Report Certification

Applicant **:** Shenzhen Sungworld Electronics Co., Ltd.

Manufacturer **:** Shenzhen Sungworld Electronics Co., Ltd.

EUT Description **:** MID

(A) MODEL NO.: M7000XX

(B) SERIAL NO.: N/A

(C) POWER SUPPLY: DC 7.4V (Li-polymer battery);
AC 120V/60Hz (Adaptor input)

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247
ANSI C63.4: 2003

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test : August 27-31, 2011

Prepared by :

(Engineer)

Approved & Authorized Signer :

(Manager)

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT	:	MID
Model Number	:	M7000XX
Frequency Band	:	2412-2462MHz
Number of Channels	:	11
Antenna Gain	:	1dBi
Power Supply	:	DC 7.4V (Li-polymer battery); AC 120V/60Hz (Adaptor input)
Adapter	:	Model number: JSK12-090150 Input: AC 100-240V; 50/60Hz 0.3A Output: DC 9V; 1.5A Output line: Non-shielded, Non-detachable, 1.4m
Data Rate	:	IEEE 802.11b: 11/5.5/2/1Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6Mbps
Applicant	:	Shenzhen Sungworld Electronics Co., Ltd.
Address	:	4#, North District, Shangxue Industrial Park, Bantian, Long Gang District, Shenzhen, China
Manufacturer	:	Shenzhen Sungworld Electronics Co., Ltd.
Address	:	4#, North District, Shangxue Industrial Park, Bantian, Long Gang District, Shenzhen, China
Date of sample received	:	August 27, 2011
Date of Test	:	August 27-31, 2011

1.2.Description of Test Facility

EMC Lab	:	Accredited by TUV Rheinland Shenzhen Listed by FCC The Registration Number is 752051 Listed by Industry Canada The Registration Number is 5077A-2 Accredited by China National Accreditation Committee for Laboratories The Certificate Registration Number is L3193
Name of Firm	:	ACCURATE TECHNOLOGY CO. LTD
Site Location	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China

1.3.Measurement Uncertainty

Conducted Emission Expanded Uncertainty	=	2.23dB, k=2
Radiated emission expanded uncertainty (9kHz-30MHz)	=	3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	=	4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	=	4.06dB, k=2

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 15, 2012
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 15, 2012
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 15, 2012
Pre-Amplifier	Rohde&Schwarz	CBLU1183540-01	3791	Jan. 15, 2012
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 15, 2012
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 15, 2012
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 15, 2012
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 15, 2012
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 15, 2012
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 15, 2012

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The mode is used: **802.11b Transmitting mode**
Low Channel: 2412MHz
Middle Channel: 2437MHz
High Channel: 2462MHz

802.11g Transmitting mode
Low Channel: 2412MHz
Middle Channel: 2437MHz
High Channel: 2462MHz

3.2.Configuration and peripherals

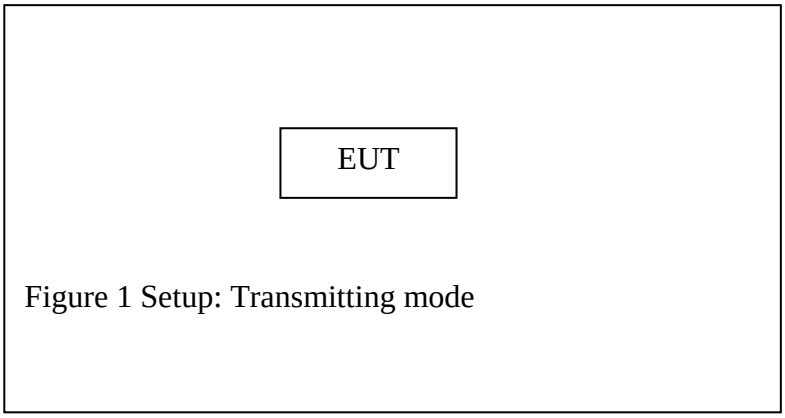


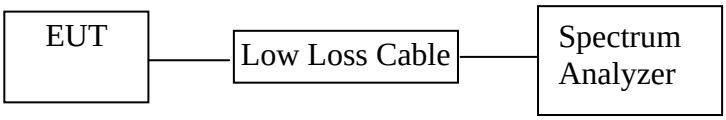
Figure 1 Setup: Transmitting mode

4. TEST PROCEDURES AND RESULTS

FCC Rules	**Description of Test**	**Result**
Section 15.247(a)(2)	6dB Bandwidth Test	Compliant
Section 15.247(e)	Power Spectral Density Test	Compliant
Section 15.247(b)(3)	Maximum Peak Output Power Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.247(d) Section 15.209	Radiated Spurious Emission Test	Compliant
Section 15.247(d)	Conducted Spurious Emission Test	Compliant
Section 15.207	AC Power Line Conducted Emission Test	Compliant
Section 15.203	Antenna Requirement	Compliant

5. 6DB BANDWIDTH MEASUREMENT

5.1.Block Diagram of Test Setup



(EUT: MID)

5.2.The Requirement For Section 15.247(a)(2)

Section 15.247(a)(2): Systems using digital modulation techniques may operate in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

5.3.EUT Configuration on Measurement

The following equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1.MID (EUT)

Model Number	:	M7000XX
Serial Number	:	N/A
Manufacturer	:	Shenzhen Sungworld Electronics Co., Ltd.

5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 5.1.

5.4.2.Turn on the power of all equipment.

5.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462MHz. We select 2412MHz, 2437MHz, 2462MHz TX frequency to transmit.

5.5.Test Procedure

5.5.1.The transmitter output was connected to the spectrum analyzer through a low loss cable.

5.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.

5.5.3.The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

5.6.Test Result

PASS.

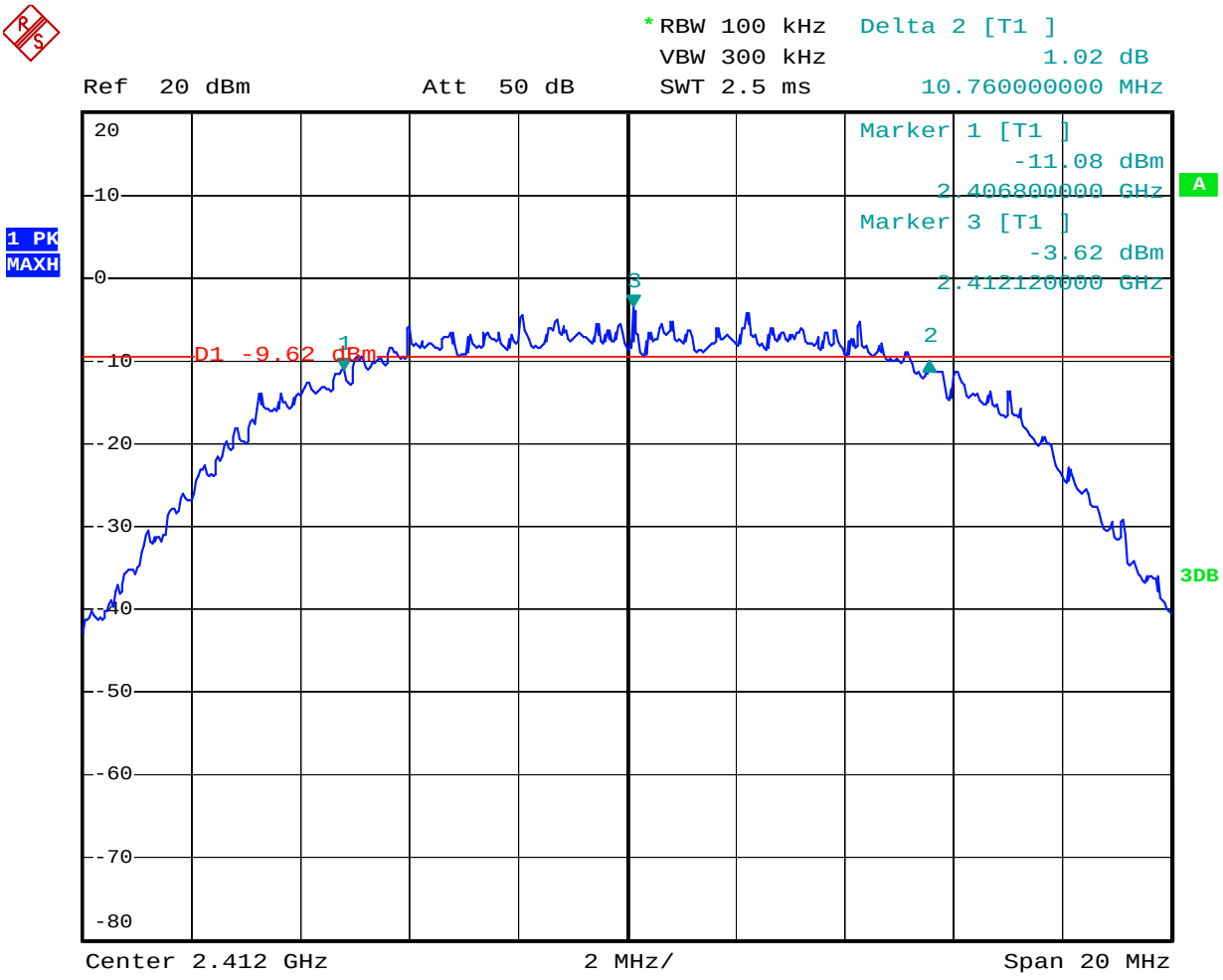
Date of Test:	August 28, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	10.76	> 0.5MHz
Middle	2437	10.60	> 0.5MHz
High	2462	10.48	> 0.5MHz

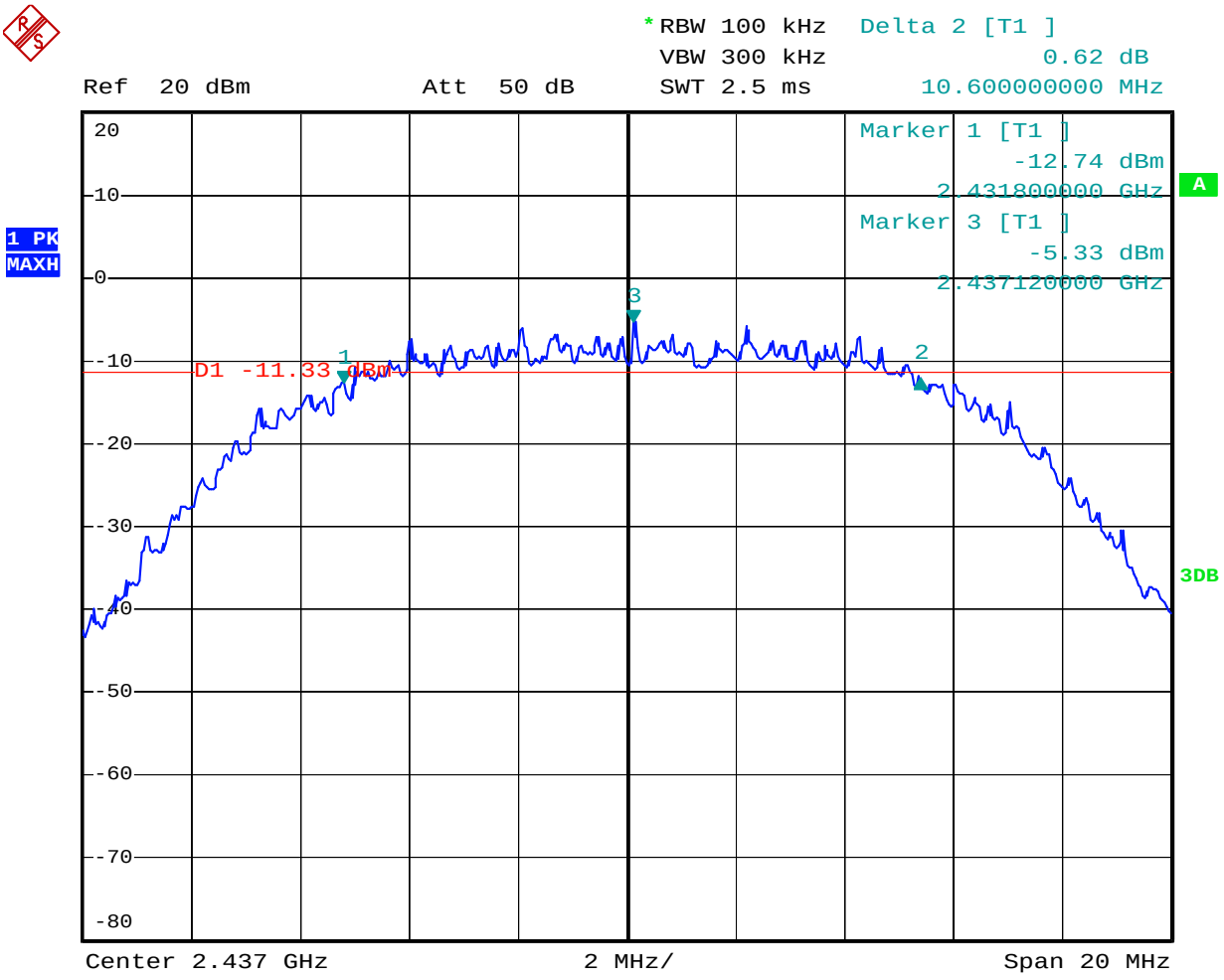
The test was performed with 802.11g			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	16.60	> 0.5MHz
Middle	2437	16.56	> 0.5MHz
High	2462	16.56	> 0.5MHz

The spectrum analyzer plots are attached as below.

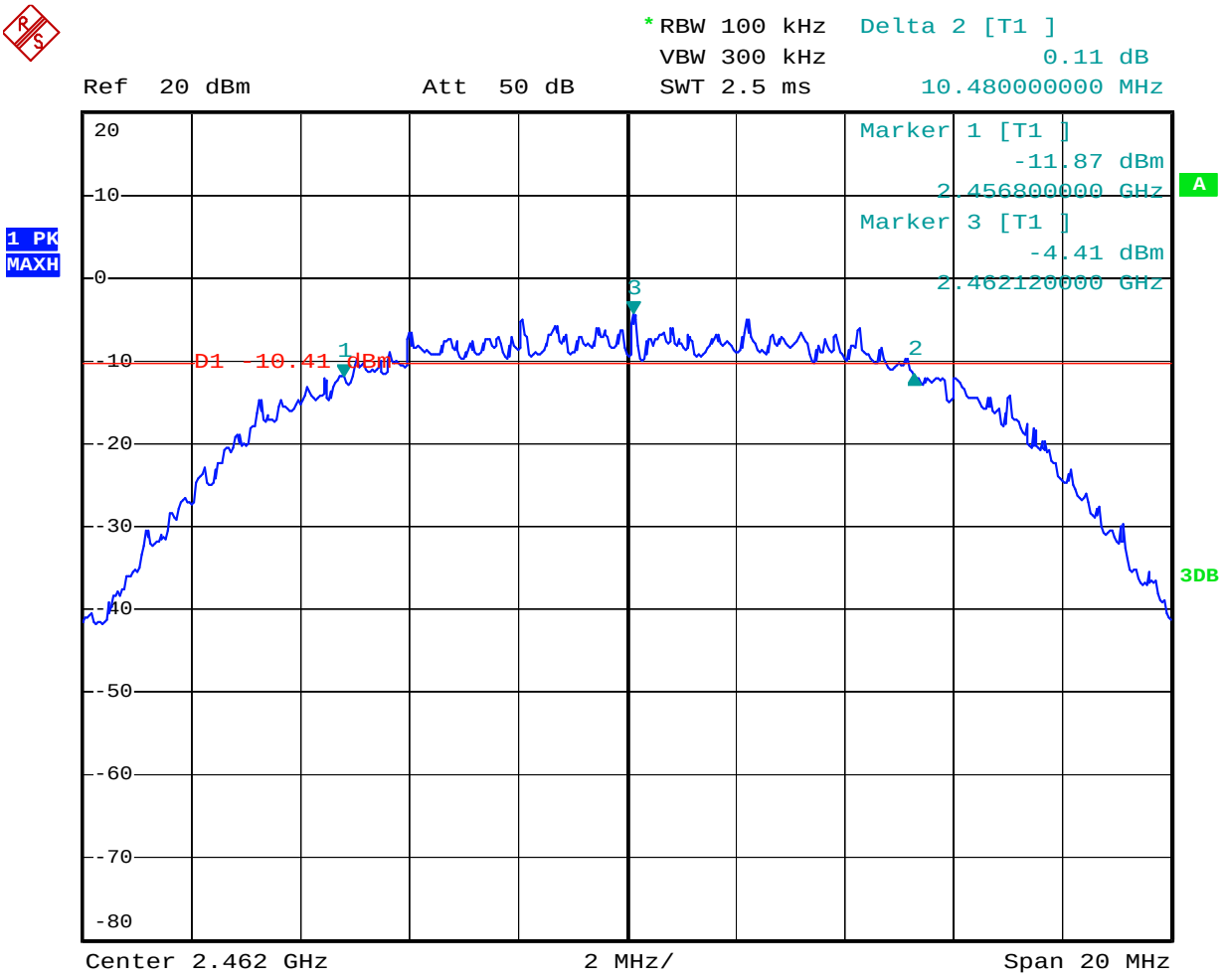
802.11b Channel Low 2412MHz



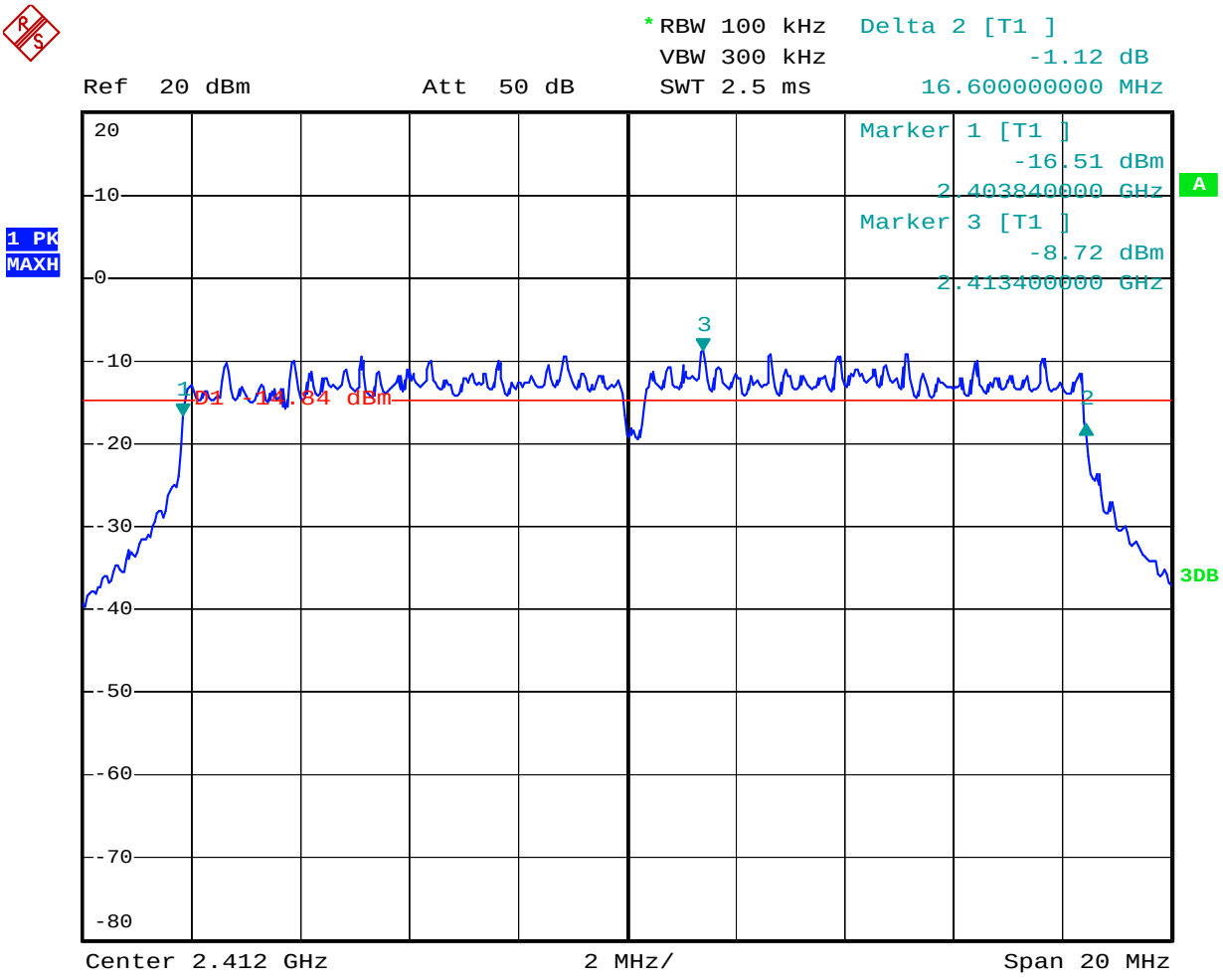
802.11b Channel Middle 2437MHz



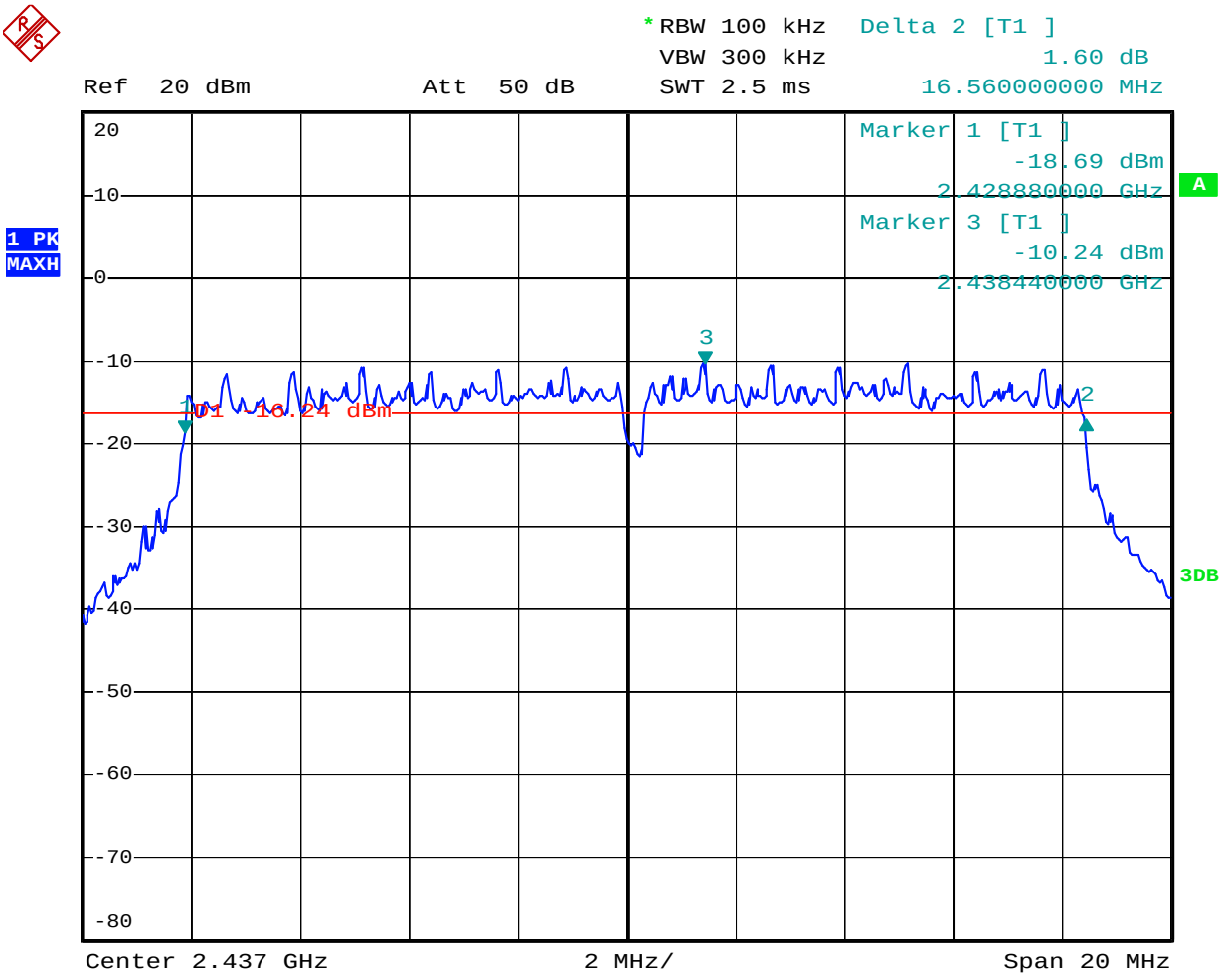
802.11b Channel High 2462MHz



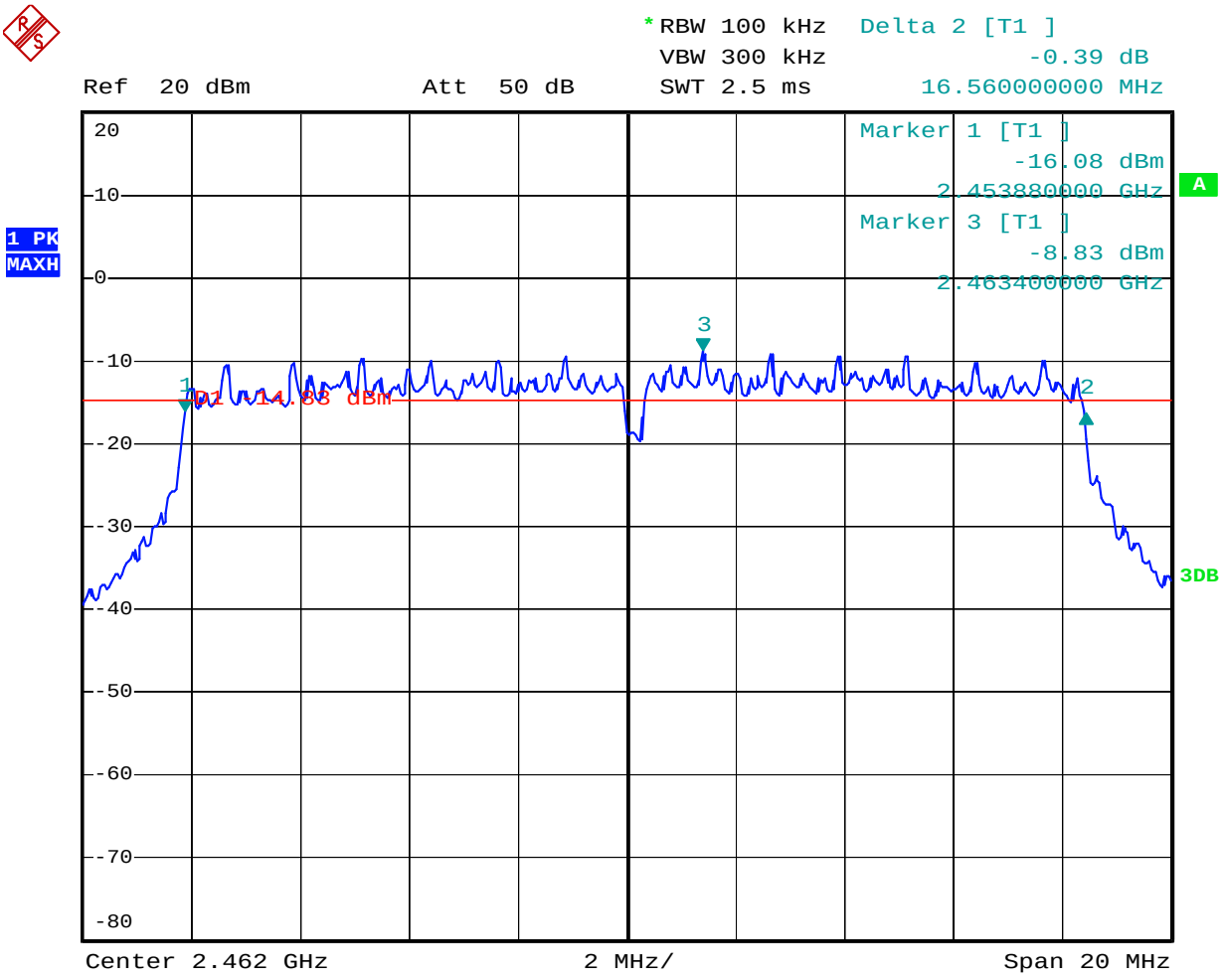
802.11g Channel Low 2412MHz



802.11g Channel Middle 2437MHz

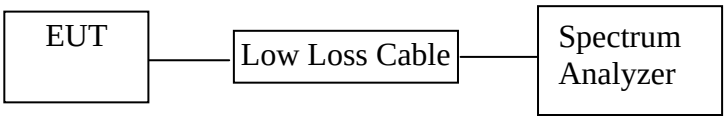


802.11g Channel High 2462MHz



6. MAXIMUM PEAK OUTPUT POWER

6.1.Block Diagram of Test Setup



(EUT: MID)

6.2.The Requirement For Section 15.247(b)(3)

Section 15.247(b)(3): For systems using digital modulation in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands: 1 Watt.

6.3.EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.3.1.MID (EUT)

Model Number	**:**	M7000XX
Serial Number	**:**	N/A
Manufacturer	**:**	Shenzhen Sungworld Electronics Co., Ltd.

6.4.Operating Condition of EUT

6.4.1.Setup the EUT and simulator as shown as Section 6.1.

6.4.2.Turn on the power of all equipment.

6.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462MHz. We select 2412MHz, 2437MHz, 2462MHz TX frequency to transmit.

6.5. Test Procedure

6.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

6.5.2. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz.

6.5.3. Measurement the maximum peak output power.

6.6. Test Result

PASS.

Date of Test:	August 28, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b

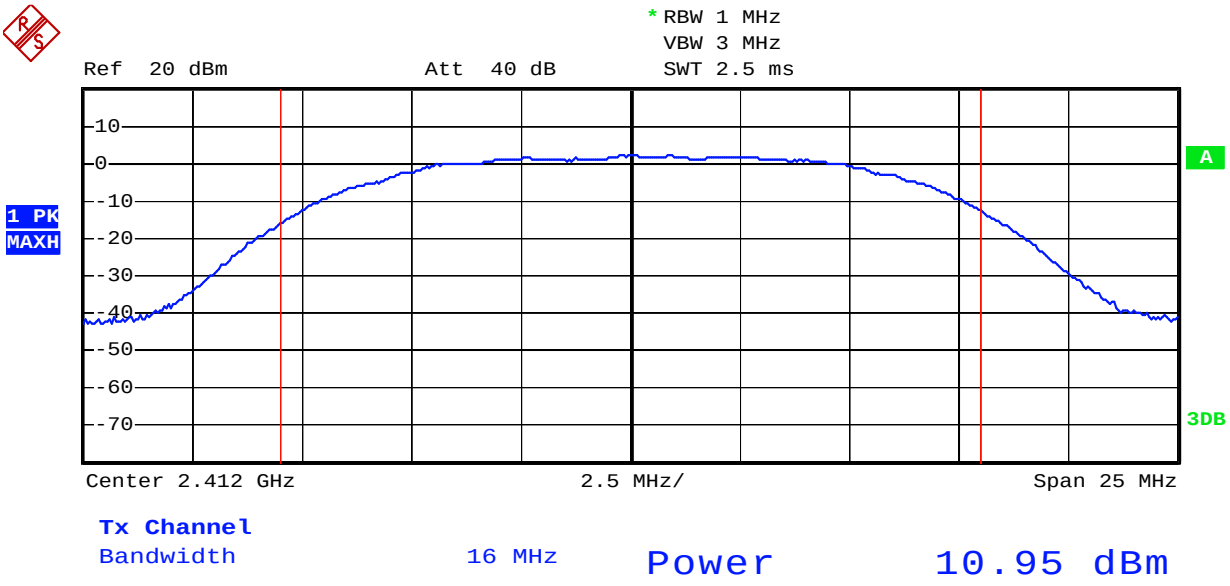
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	10.95	12.45	30 dBm / 1 W
Middle	2437	9.68	9.29	30 dBm / 1 W
High	2462	10.58	11.43	30 dBm / 1 W

The test was performed with 802.11g

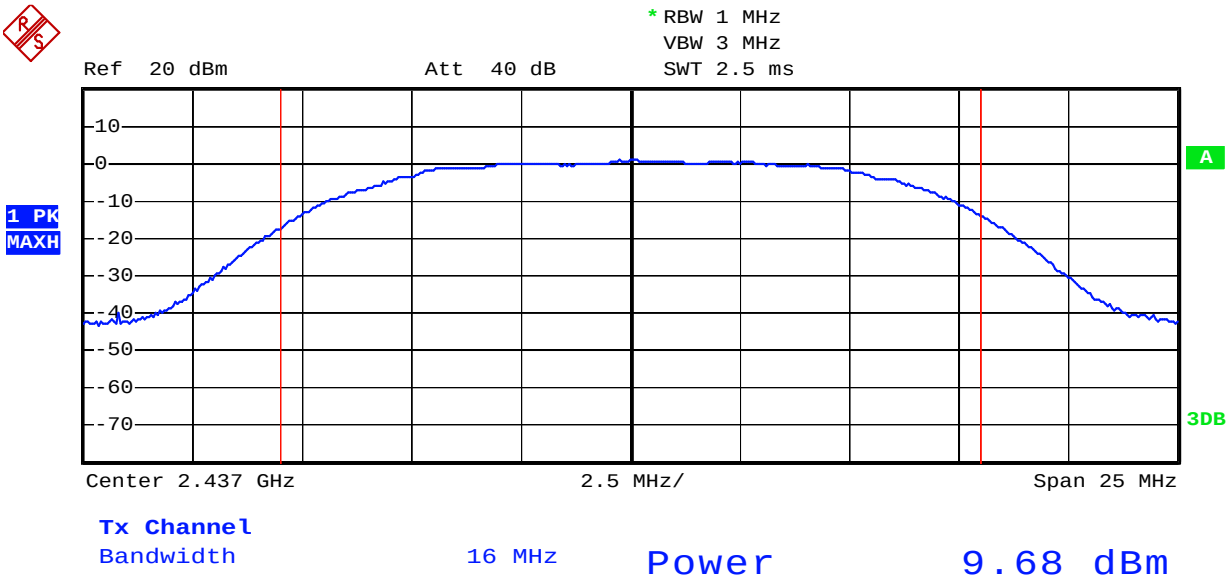
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	10.10	10.23	30 dBm / 1 W
Middle	2437	9.00	7.94	30 dBm / 1 W
High	2462	10.01	10.02	30 dBm / 1 W

The spectrum analyzer plots are attached as below.

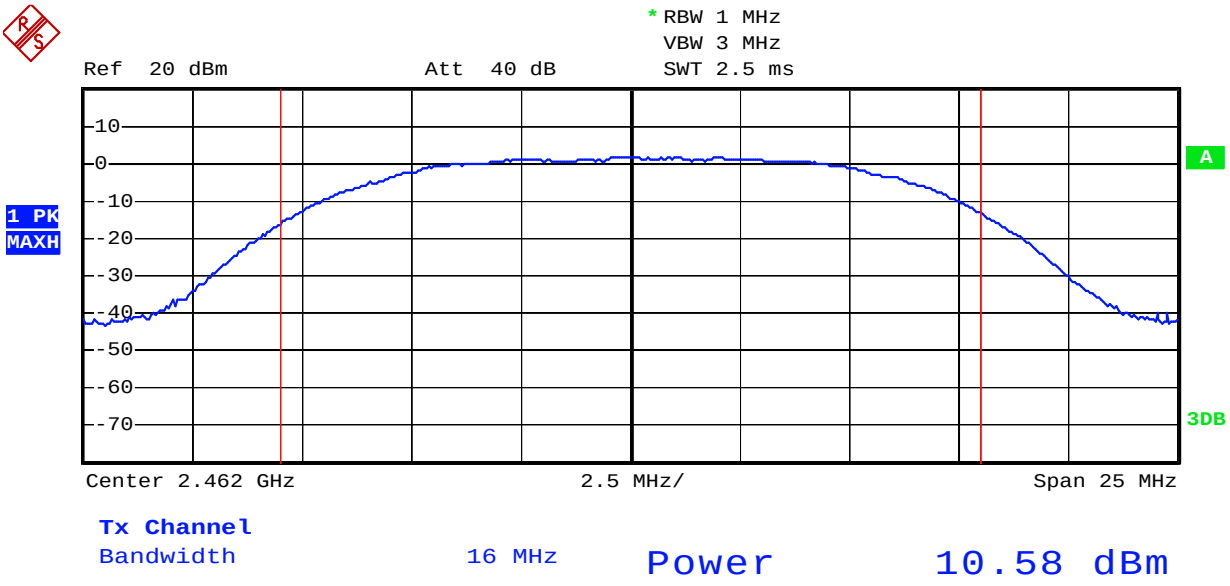
802.11b Channel Low 2412MHz



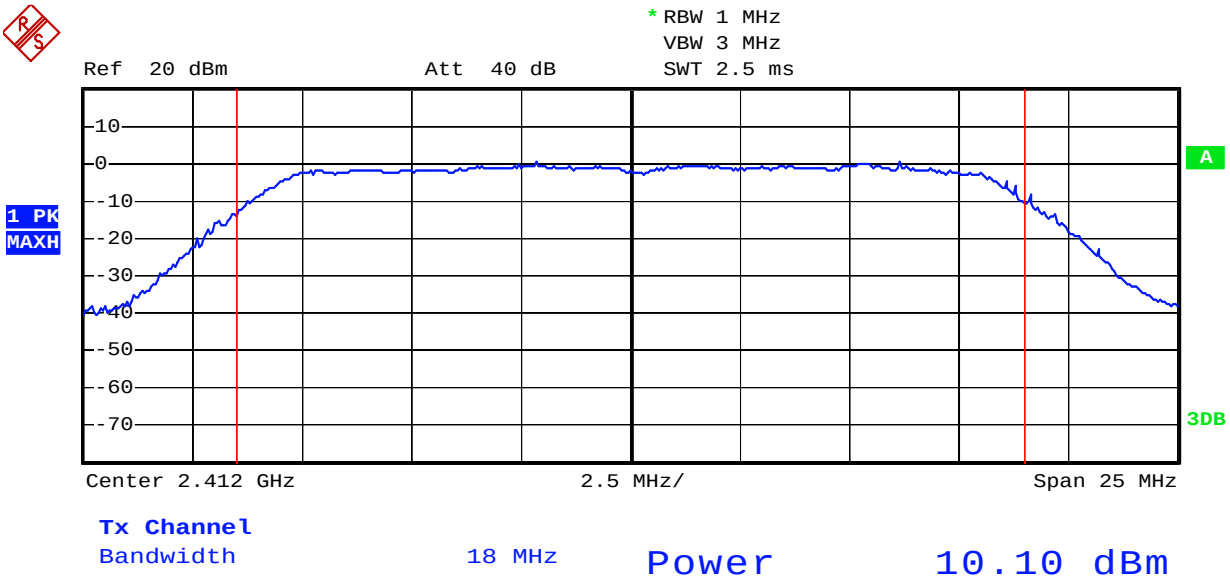
802.11b Channel Middle 2437MHz



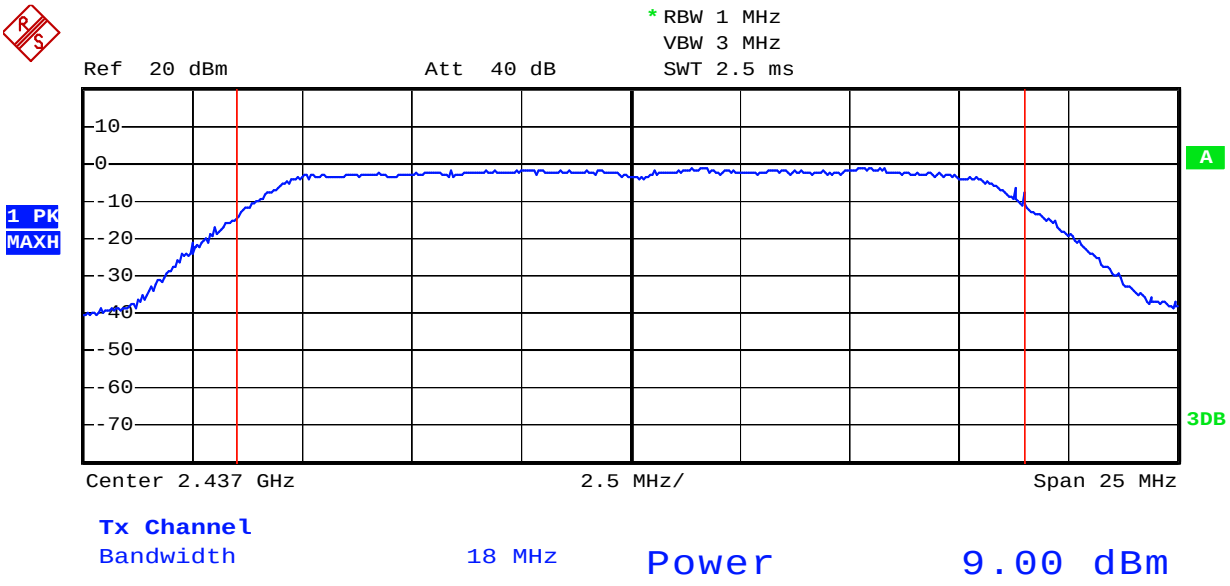
802.11b Channel High 2462MHz



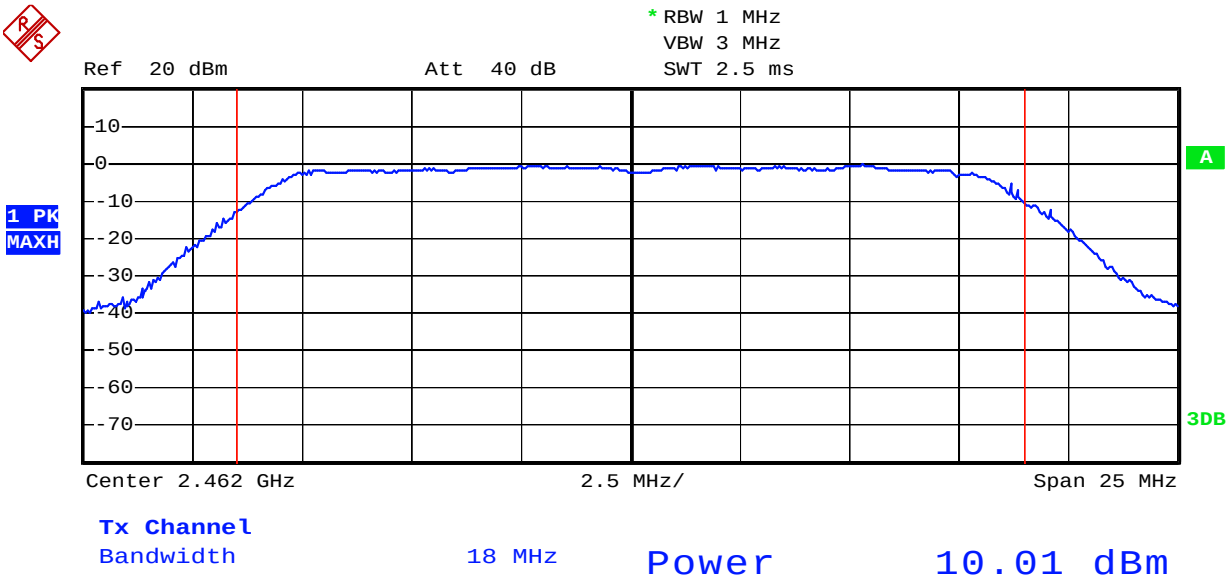
802.11g Channel Low 2412MHz



802.11g Channel Middle 2437MHz

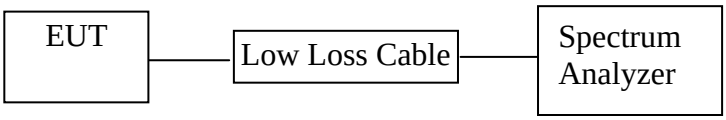


802.11g Channel High 2462MHz



7. POWER SPECTRAL DENSITY MEASUREMENT

7.1.Block Diagram of Test Setup



(EUT: MID)

7.2.The Requirement For Section 15.247(e)

Section 15.247(e): 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.

7.3.EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.3.1.MID (EUT)

Model Number	**:**	M7000XX
Serial Number	**:**	N/A
Manufacturer	**:**	Shenzhen Sungworld Electronics Co., Ltd.

7.4.Operating Condition of EUT

7.4.1.Setup the EUT and simulator as shown as Section 7.1.

7.4.2.Turn on the power of all equipment.

7.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462MHz. We select 2412MHz, 2437MHz, 2462MHz TX frequency to transmit.

7.5.Test Procedure

7.5.1.The transmitter output was connected to the spectrum analyzer through a low loss cable.

7.5.2.Set RBW of spectrum analyzer to 3kHz and VBW to 10kHz, sweep time = Span/3kHz.

7.5.3.Measurement the maximum power spectral density.

7.6.Test Result

PASS.

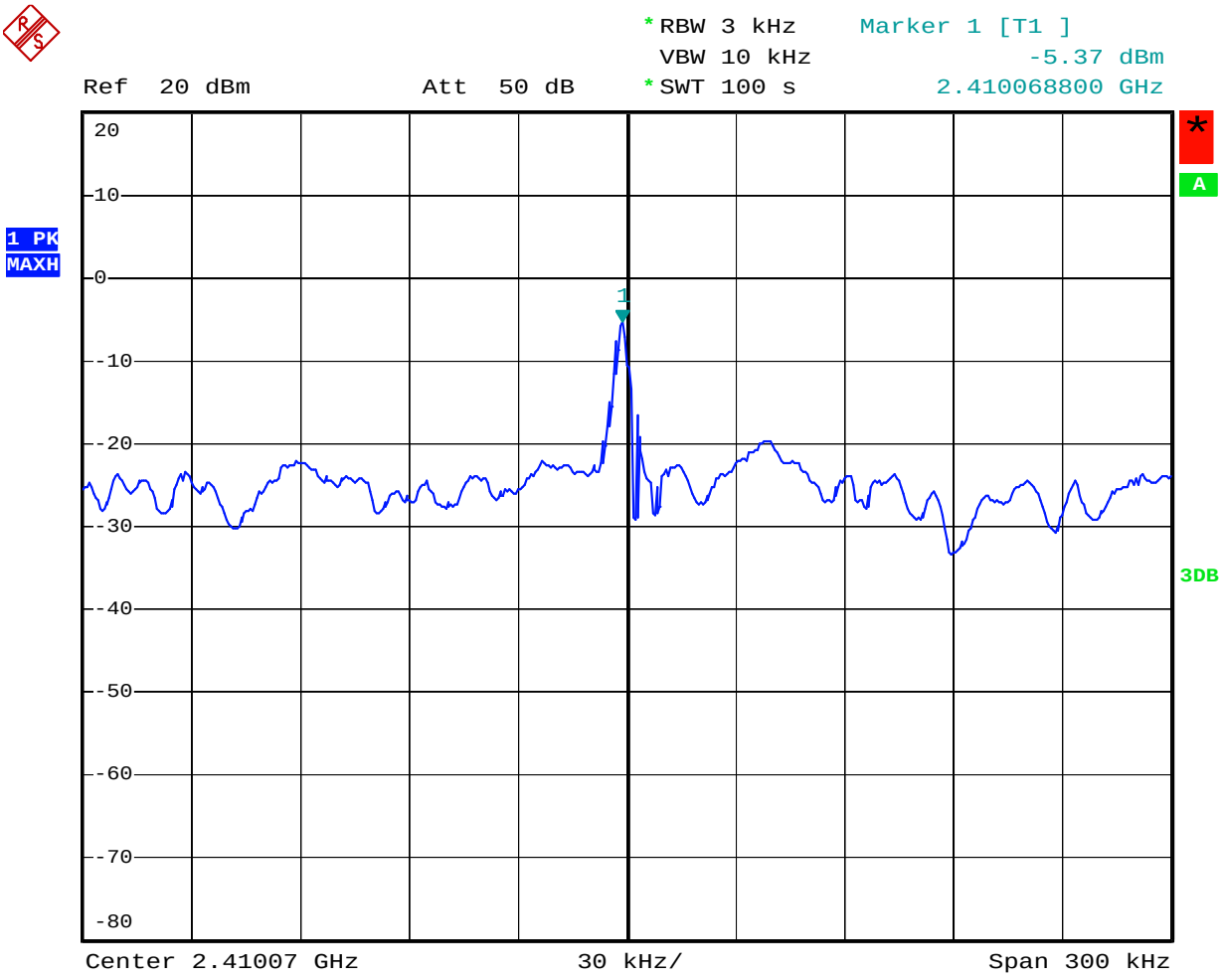
Date of Test:	August 28, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b			
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-5.37	8 dBm
Middle	2437	-6.61	8 dBm
High	2462	-5.08	8 dBm

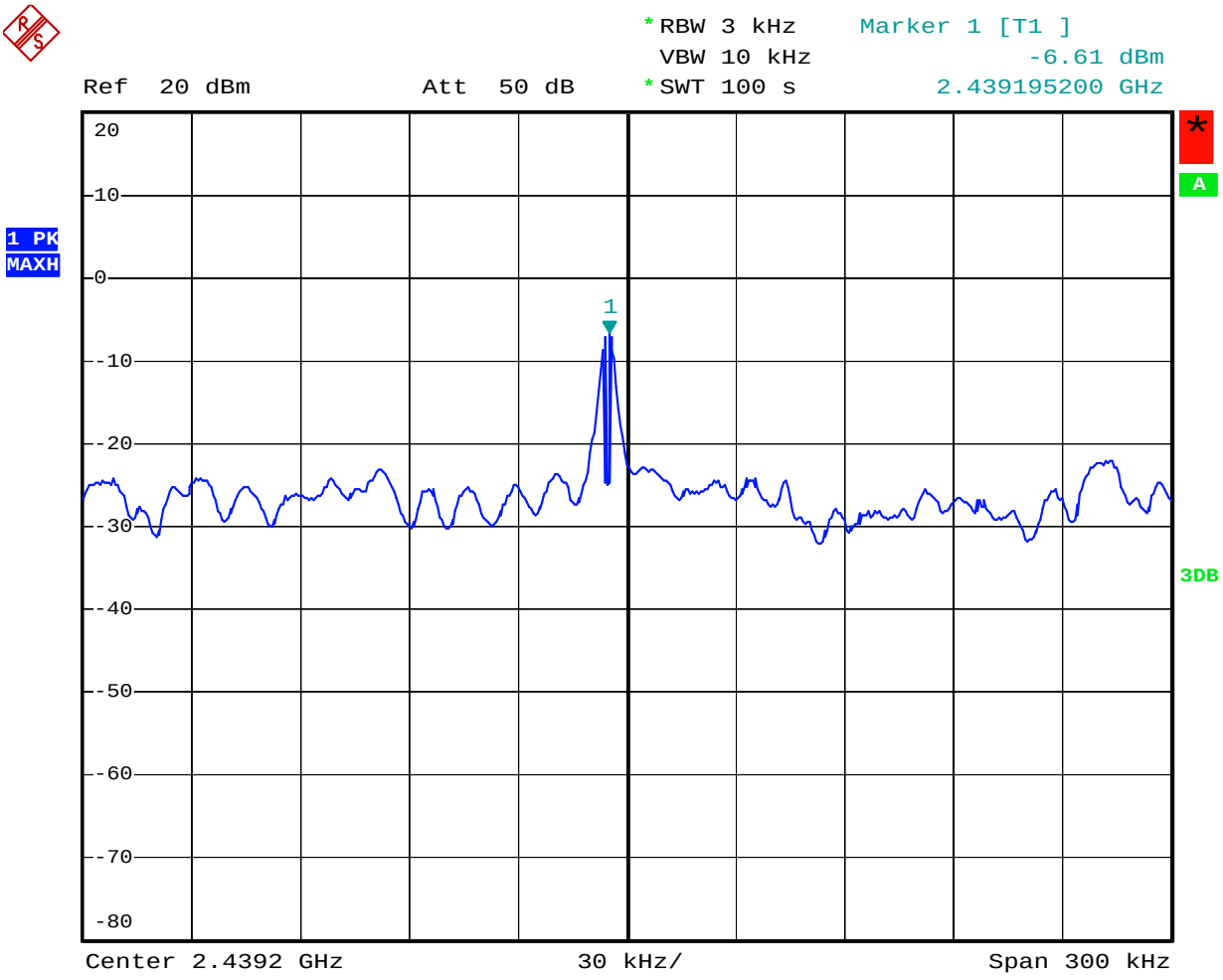
The test was performed with 802.11g			
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-24.95	8 dBm
Middle	2437	-26.77	8 dBm
High	2462	-24.99	8 dBm

The spectrum analyzer plots are attached as below.

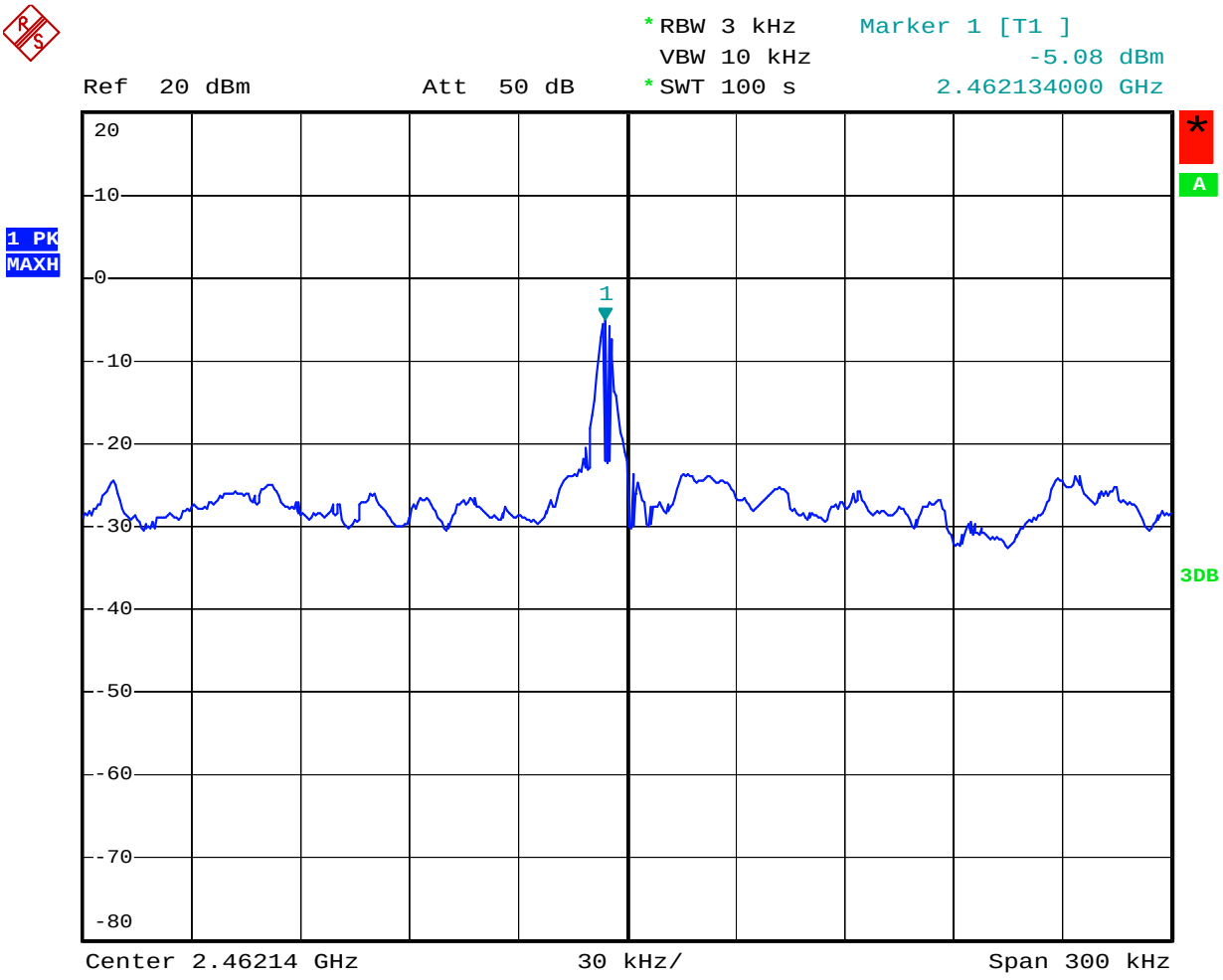
802.11b Channel Low 2412MHz



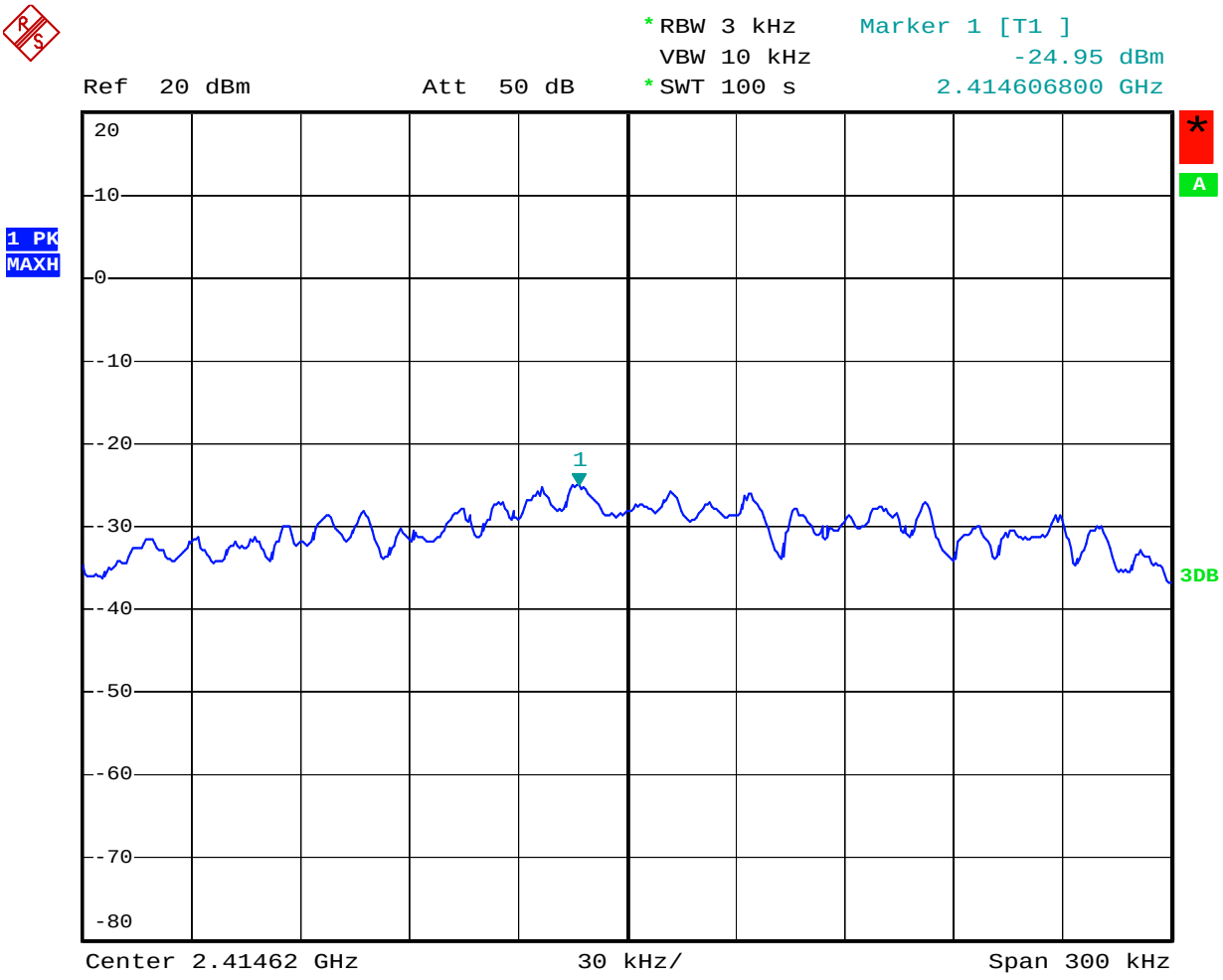
802.11b Channel Middle 2437MHz



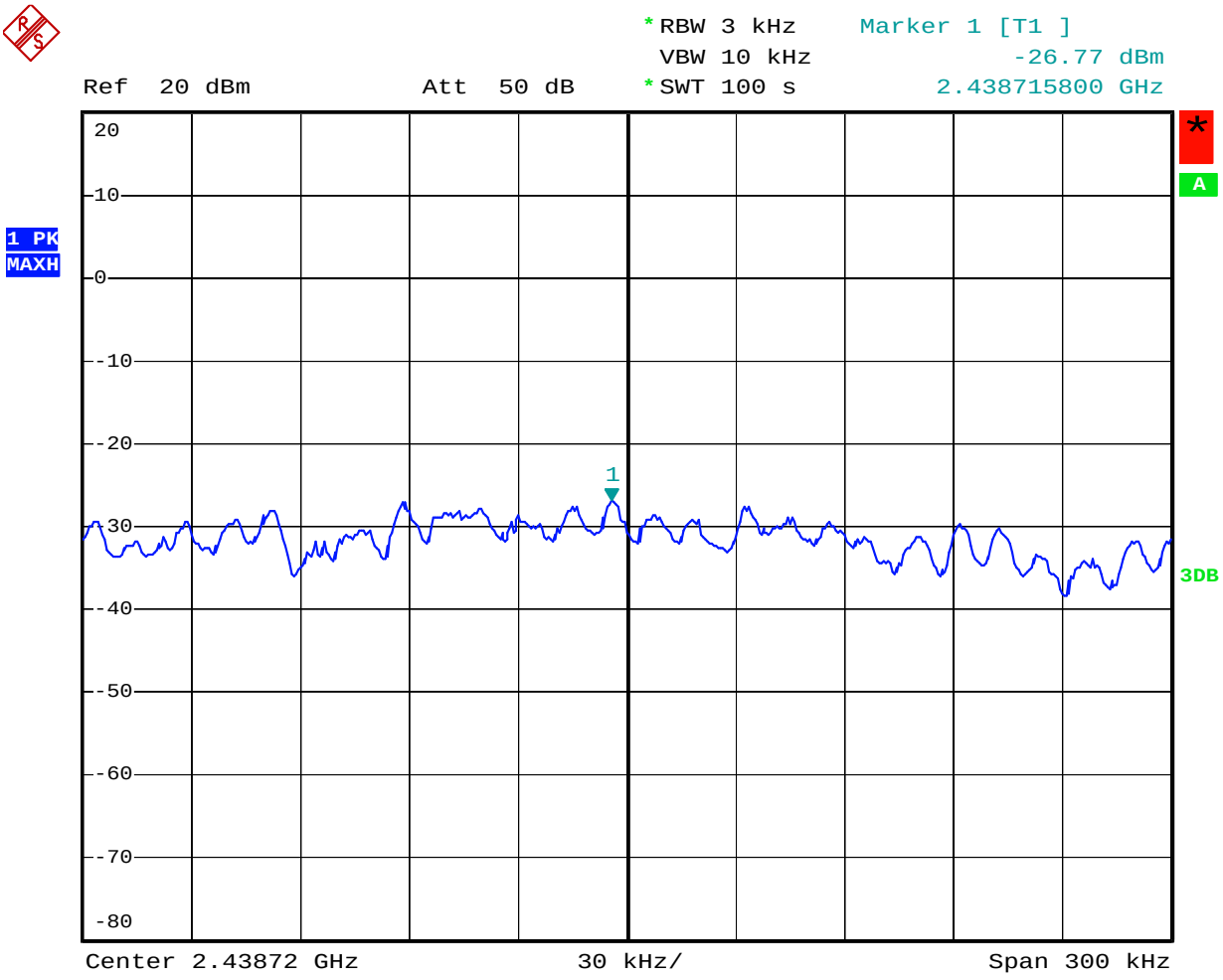
802.11b Channel High 2462MHz



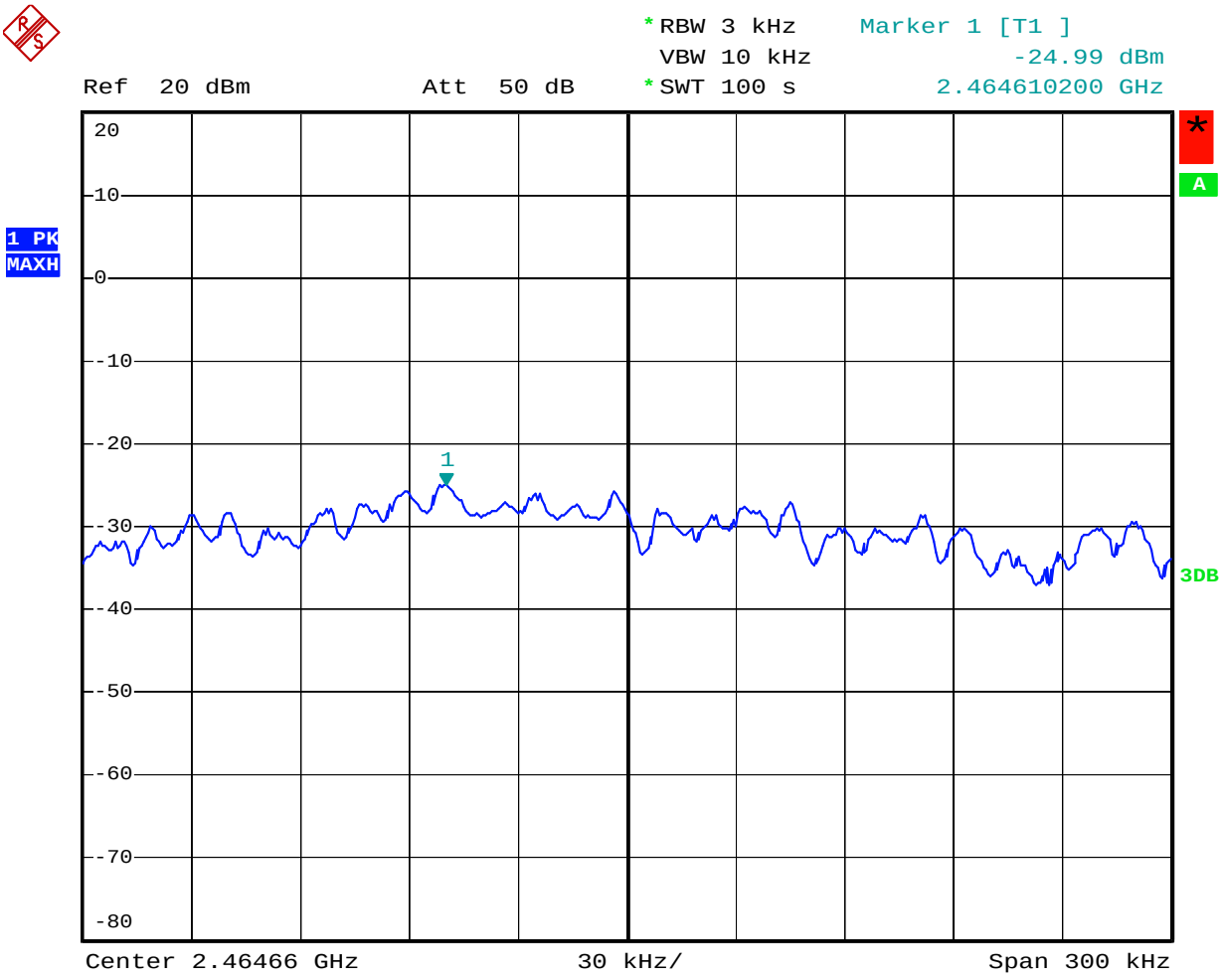
802.11g Channel Low 2412MHz



802.11g Channel Middle 2437MHz

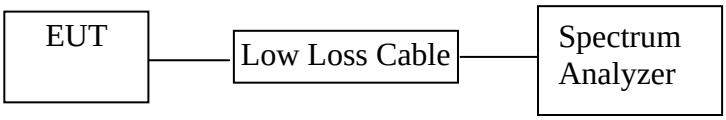


802.11g Channel High 2462MHz



8. BAND EDGE COMPLIANCE TEST

8.1.Block Diagram of Test Setup



(EUT: MID)

8.2.The Requirement For Section 15.247(d)

Section 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 Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

8.3.EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

8.3.1.MID (EUT)

Model Number	**:**	M7000XX
Serial Number	**:**	N/A
Manufacturer	**:**	Shenzhen Sungworld Electronics Co., Ltd.

8.4.Operating Condition of EUT

8.4.1.Setup the EUT and simulator as shown as Section 8.1.

8.4.2.Turn on the power of all equipment.

8.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462MHz. We select 2412MHz, 2462MHz TX frequency to transmit.

8.5.Test Procedure

Conducted Band Edge:

8.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.

8.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.

Radiate Band Edge:

8.5.3. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.

8.5.4. The turntable was rotated for 360 degrees to determine the position of maximum emission level.

8.5.5. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

8.5.6. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

RBW=1MHz, VBW=1MHz

8.5.7.The band edges was measured and recorded.

8.6.Test Result

Pass

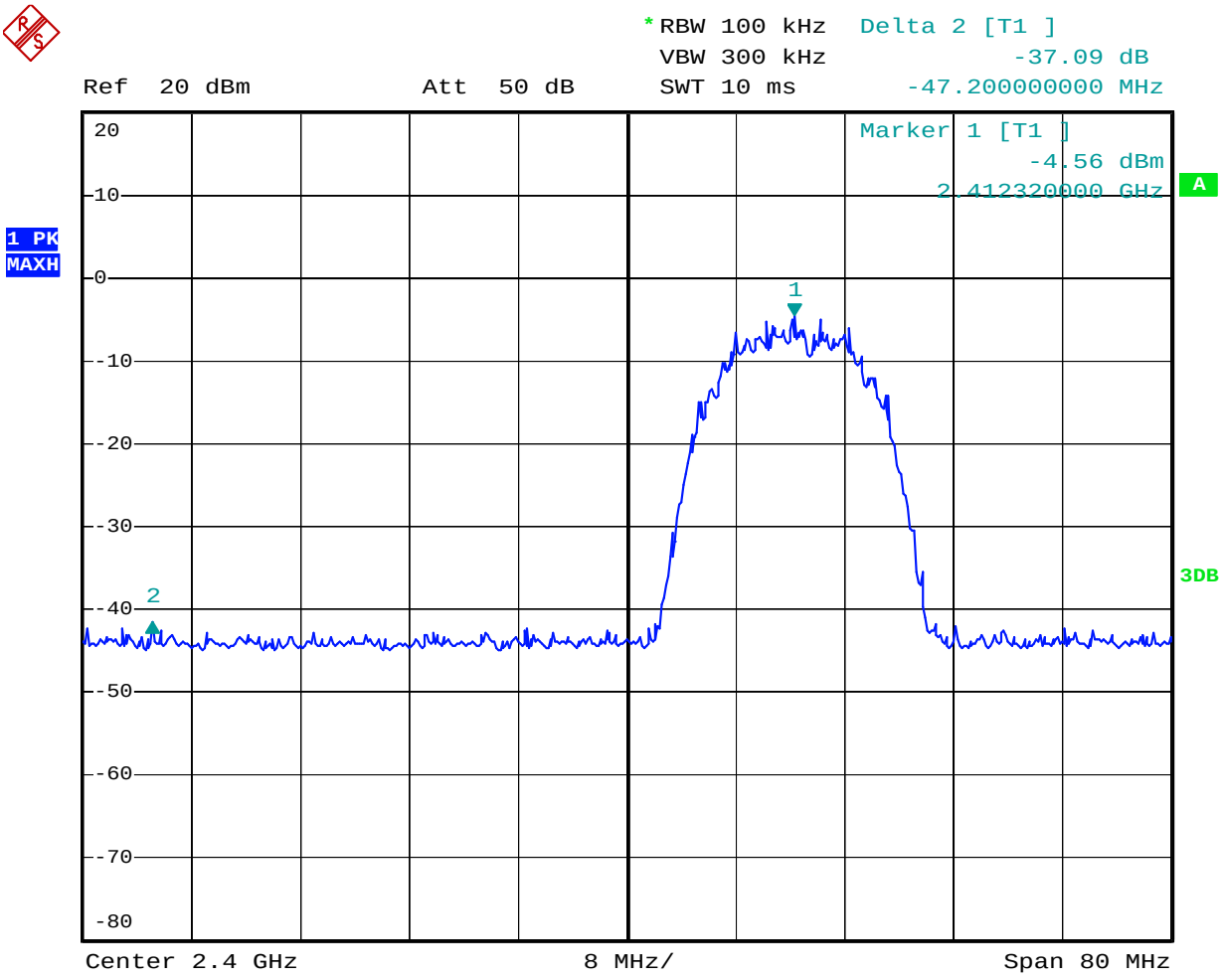
Conducted test

Date of Test:	August 29, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	TX	Test Engineer:	Pei

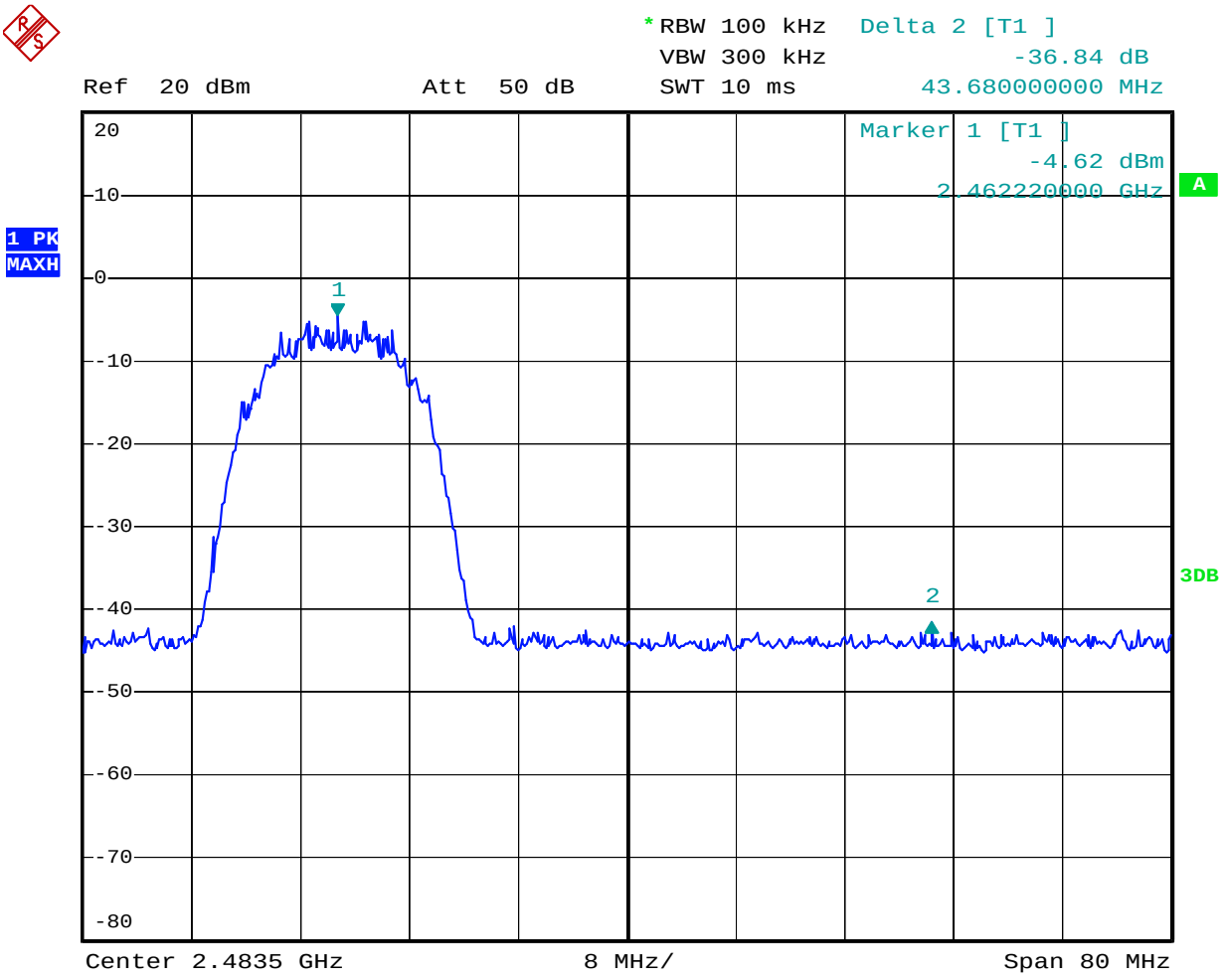
The test was performed with 802.11b		
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	37.09	> 20dBc
2462	36.84	> 20dBc

The test was performed with 802.11g		
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	33.04	> 20dBc
2462	32.23	> 20dBc

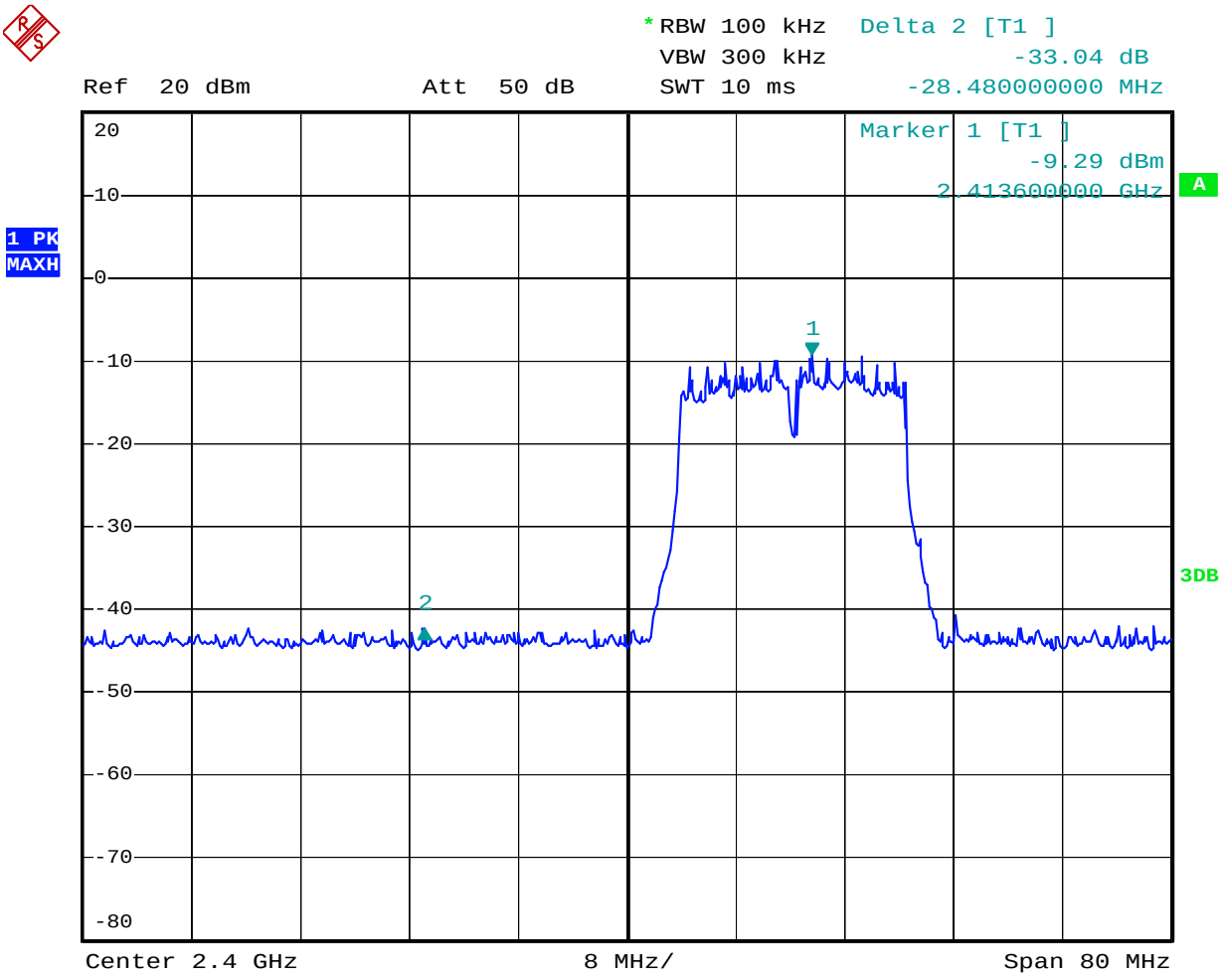
802.11b Channel Low 2412MHz



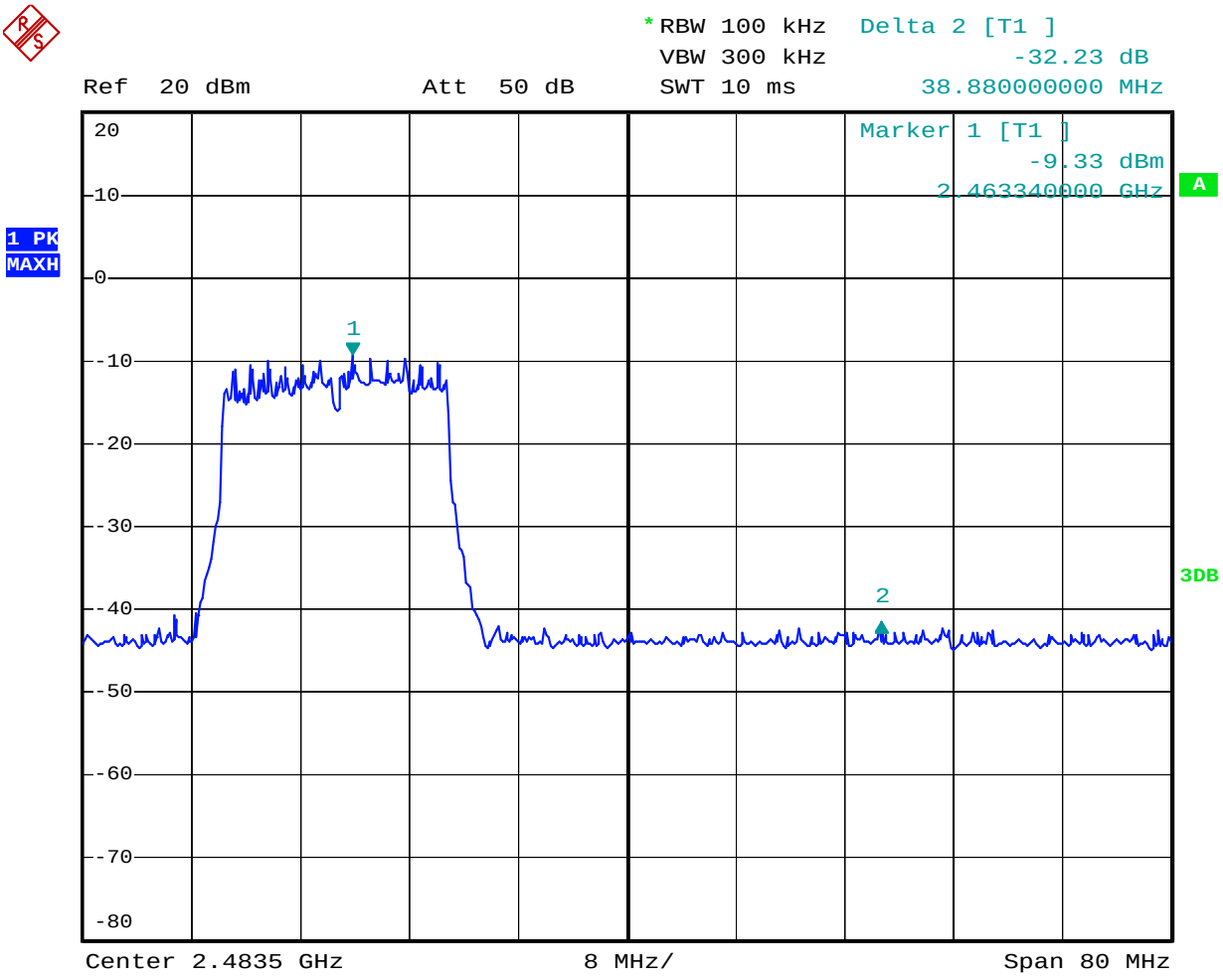
802.11b Channel High 2462MHz



802.11g Channel Low 2412MHz



802.11g Channel High 2462MHz



Radiated Band Edge Result

Date of Test:	August 29, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Pei

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

   Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Date of Test:	August 29, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Date of Test:	August 29, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Pei

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

   Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Date of Test:	August 29, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

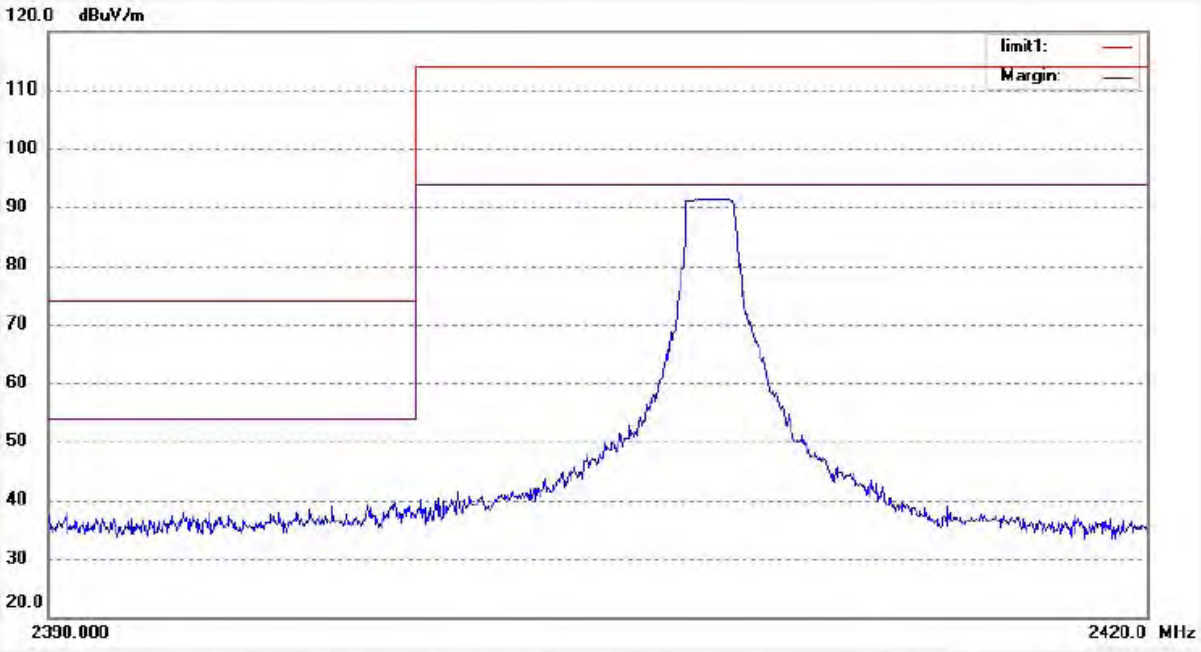
Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
3. Display the measurement of peak values.

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Polarization: Horizontal
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 8:33:11
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 1 (802.11b)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831

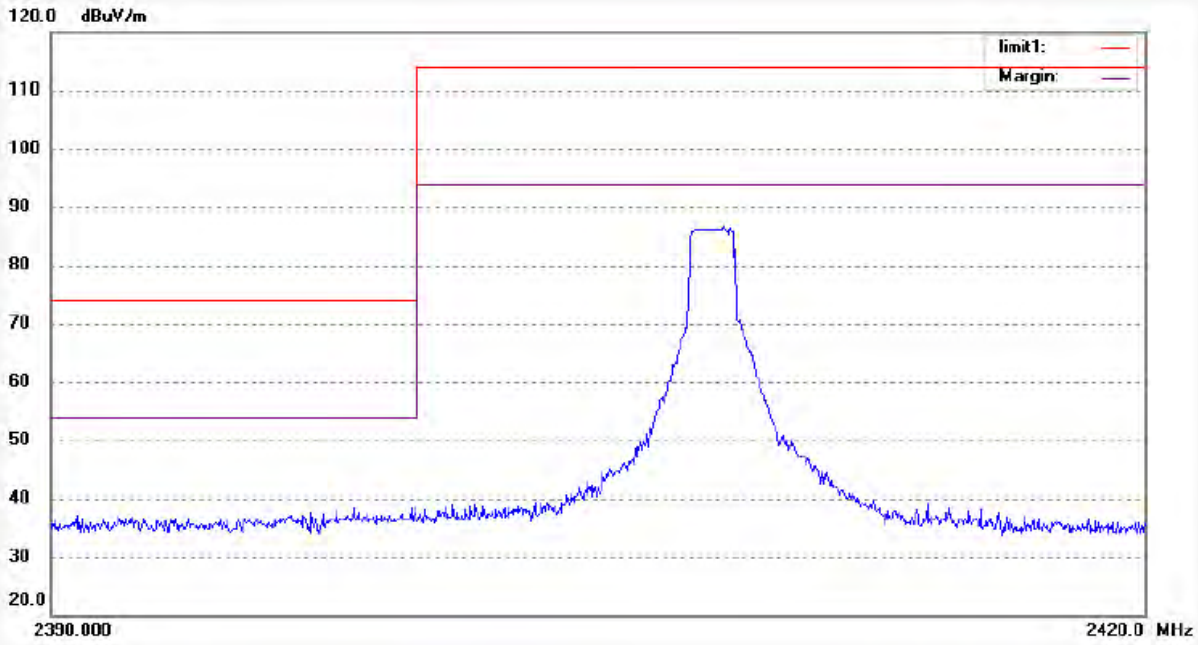


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Polarization: Vertical
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/29
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 8:37:19
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 1 (802.11b)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831

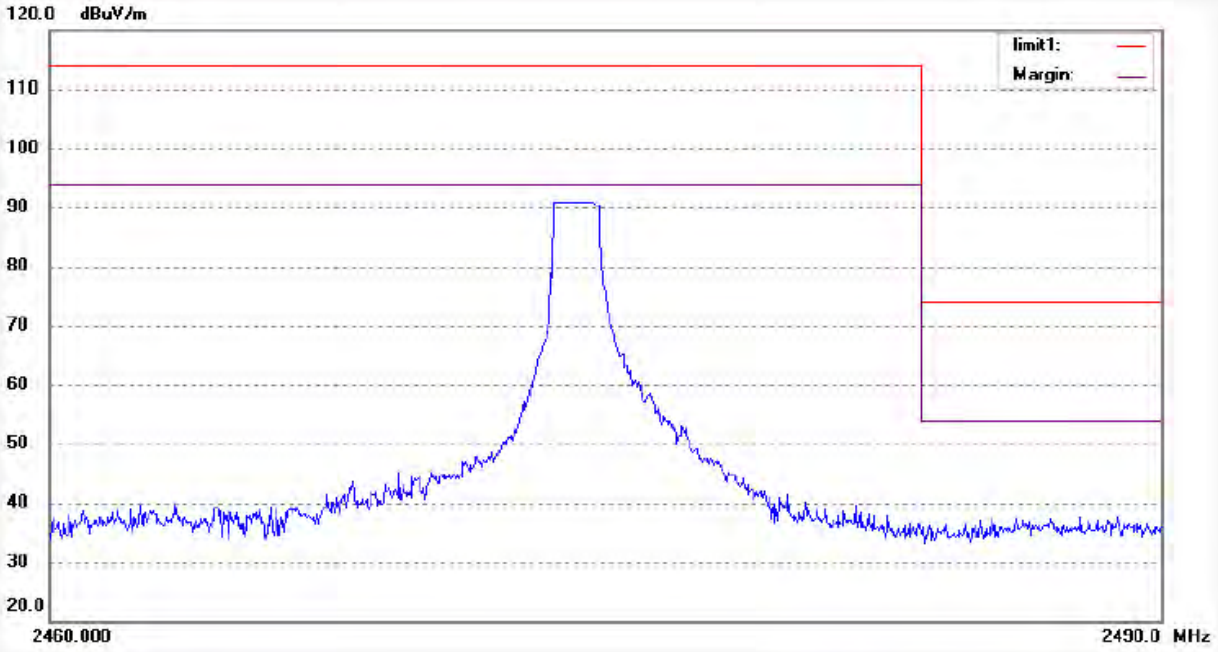


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Polarization: Horizontal
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/29
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 8:47:33
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 11 (802.11b)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
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Site: 966 chamber
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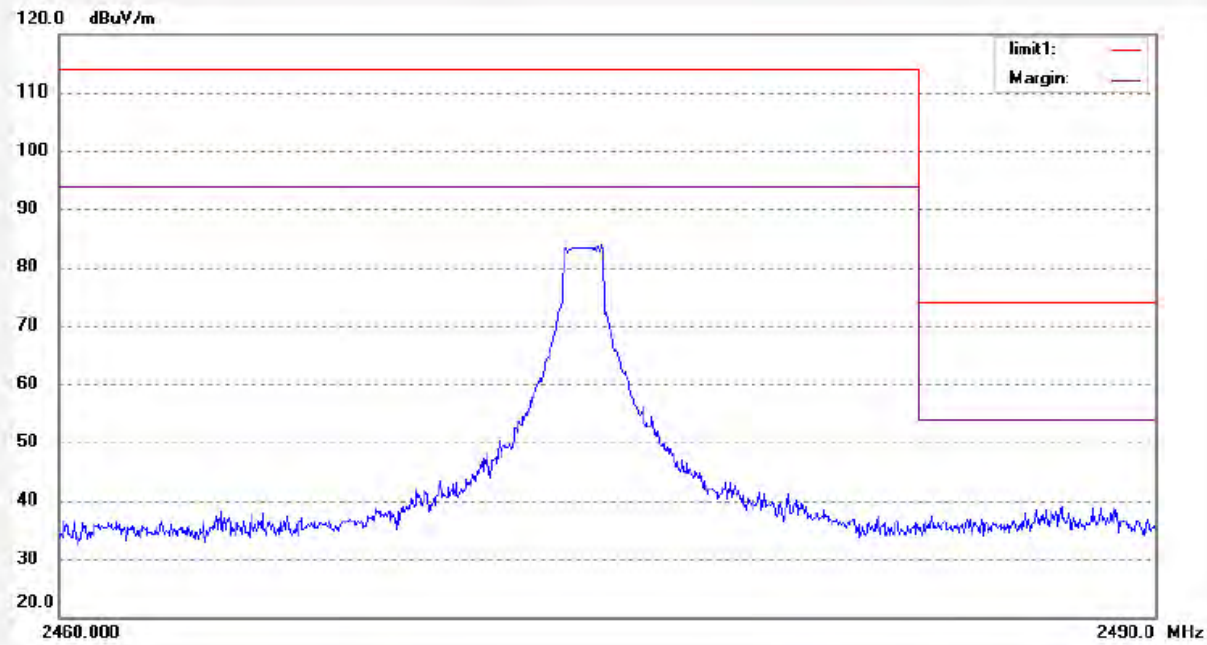
Fax:+86-0755-26503396

Job No.:	Polarization: Vertical
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/29
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 8:43:24
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 11 (802.11b)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831

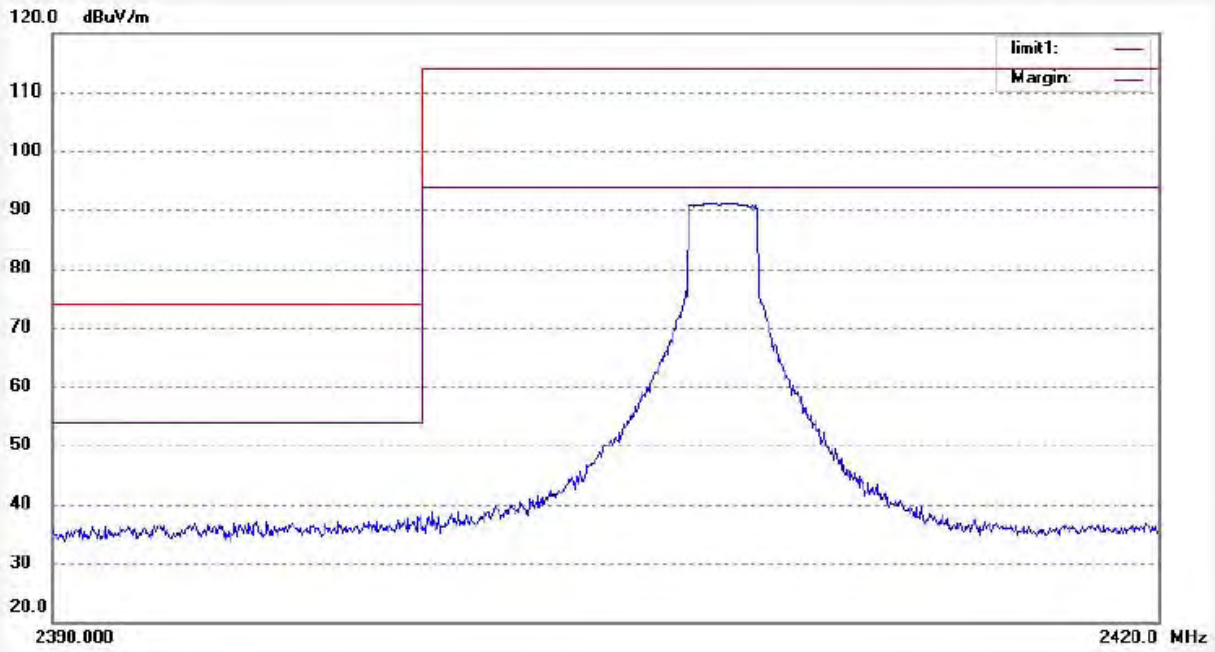


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Polarization: Horizontal
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/29
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 16:32:35
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 1 (802.11g)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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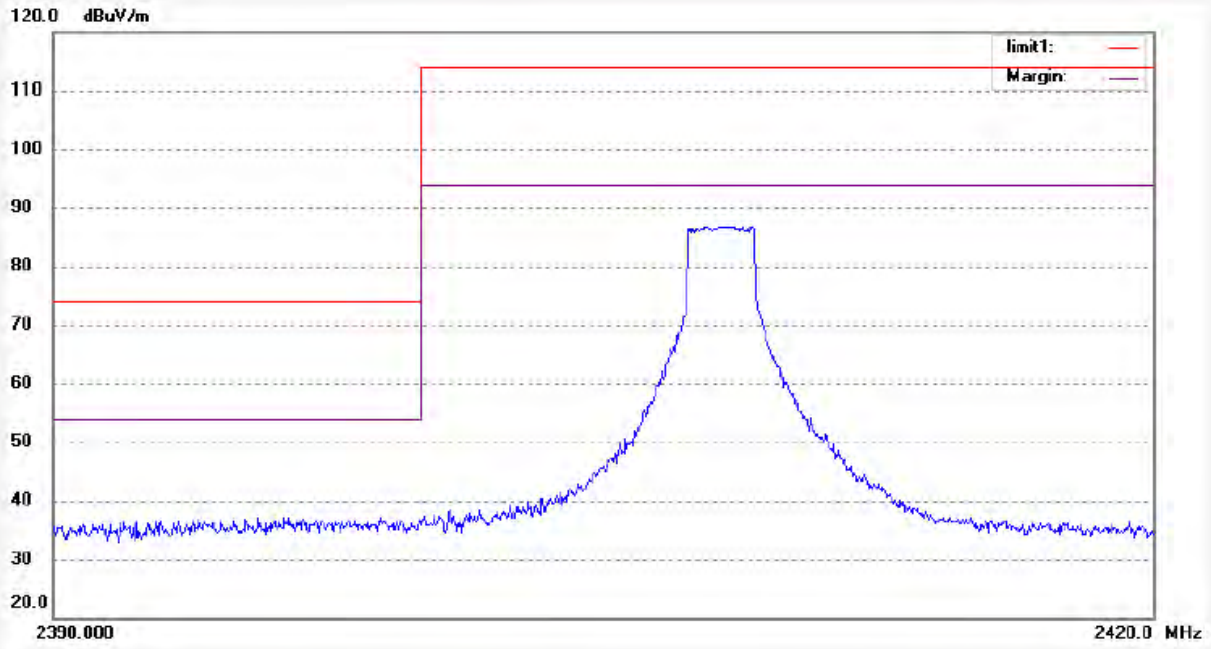
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Polarization: Vertical
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/29
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 16:36:50
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 1 (802.11g)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831

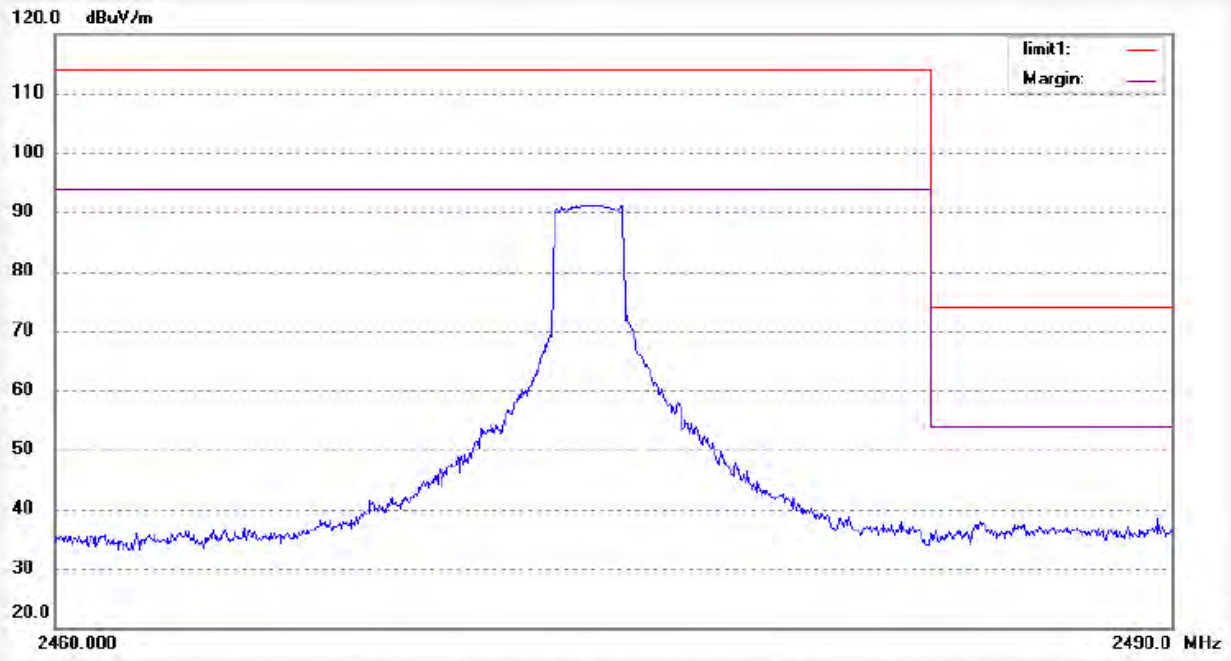


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Polarization: Horizontal
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/29
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 16:46:39
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831

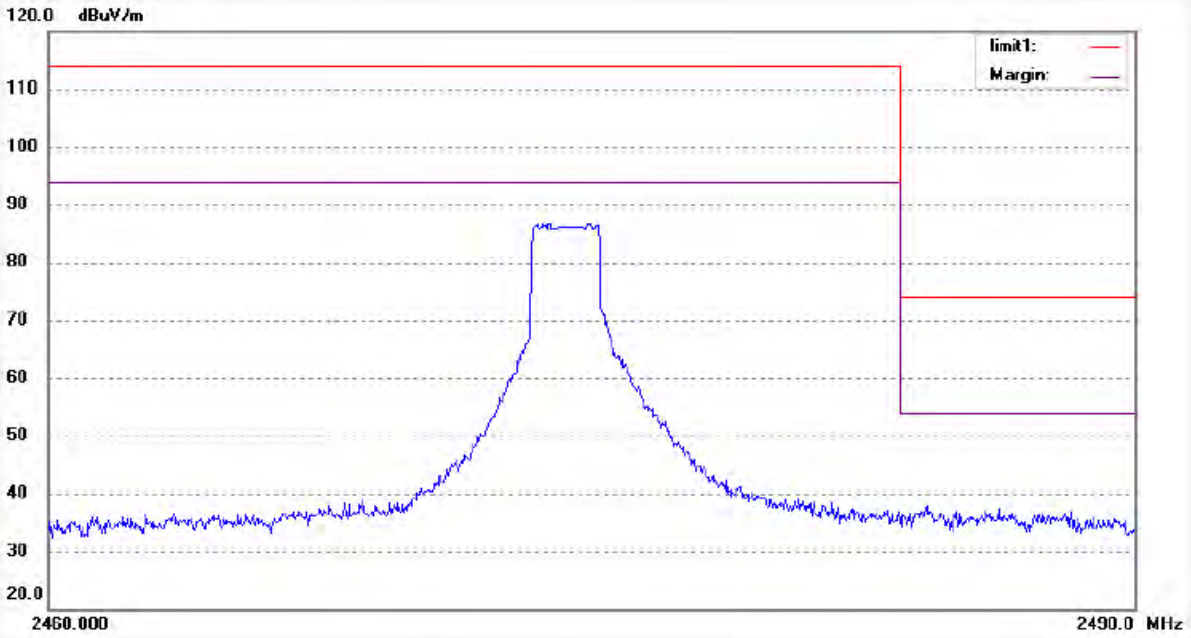


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Polarization: Vertical
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/29
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 16:42:28
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831

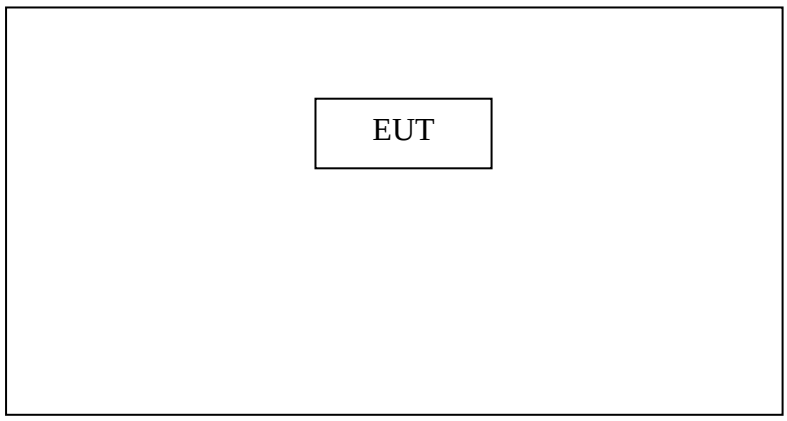


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

9. RADIATED SPURIOUS EMISSION TEST

9.1.Block Diagram of Test Setup

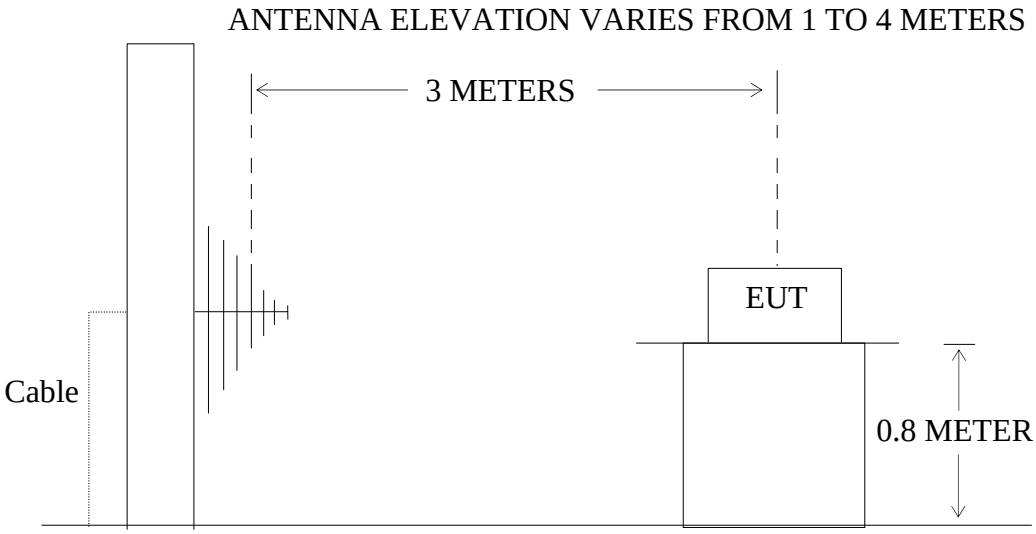
9.1.1.Block diagram of connection between the EUT and peripherals



Setup: Transmitting mode

(EUT: MID)

9.1.2.Semi-Anechoic Chamber Test Setup Diagram



(EUT: MID)

9.2. The Limit For Section 15.247(d)

Section 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 Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

9.3. Restricted bands of operation

9.3.1. FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510

[2]Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

9.4.Configuration of EUT on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

9.4.1.MID (EUT)

Model Number	**:**	M7000XX
Serial Number	**:**	N/A
Manufacturer	**:**	Shenzhen Sungworld Electronics Co., Ltd.

9.5.Operating Condition of EUT

9.5.1.Setup the EUT and simulator as shown as Section 8.1.

9.5.2.Turn on the power of all equipment.

9.5.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462MHz. We select 2412MHz, 2437MHz, 2462MHz TX frequency to transmit.

9.6.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.
The worst-case data rate for this channel to be 11Mbps for 802.11b mode and 54Mbps for 802.11g mode, based on previous with 802.11 WLAN product design architectures.

The bandwidth of test receiver (R&S ESI26) is set at 120kHz in 30-1000MHz. and set at 1MHz in above 1000MHz.
The frequency range from 30MHz to 25000MHz is checked.
The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.
The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:
Result = Reading + Corrected Factor
Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

9.7.The Field Strength of Radiation Emission Measurement Results

PASS.

Date of Test:	August 31, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
159.7340	22.04	14.60	36.64	43.50	-6.86	Vertical
184.3040	18.51	15.91	34.42	43.50	-9.08	Vertical
282.5960	16.10	18.37	34.47	46.00	-11.53	Vertical
959.9420	10.04	29.69	39.73	46.00	-6.27	Vertical
159.7340	19.50	14.60	34.10	43.50	-9.40	Horizontal
239.9850	15.47	16.76	32.23	46.00	-13.77	Horizontal
599.9560	10.06	25.53	35.59	46.00	-10.41	Horizontal
959.9420	10.09	29.69	39.78	46.00	-6.22	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2400.000	37.59	43.58	-7.46	30.13	36.12	54	74	-23.87	-37.88	Vertical
2412.000	106.42	112.43	-7.43	98.99	105.00	-	-	-	-	Vertical
*4824.036	49.21	55.22	-0.19	49.02	55.03	54	74	-4.98	-18.97	Vertical
2400.000	37.52	43.48	-7.46	30.06	36.02	54	74	-23.94	-37.98	Horizontal
2412.000	105.59	111.56	-7.43	98.16	104.13	-	-	-	-	Horizontal
*4824.036	48.22	54.22	-0.19	48.03	54.03	54	74	-5.97	-19.97	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

Date of Test:	August 31, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	802.11b Channel Middle 2437MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
159.7340	22.36	14.60	36.96	43.50	-6.54	Vertical
184.3040	18.65	15.91	34.56	43.50	-8.94	Vertical
282.5960	16.04	18.37	34.41	46.00	-11.59	Vertical
959.9420	9.74	29.69	39.43	46.00	-6.57	Vertical
159.7340	20.01	14.60	34.61	43.50	-8.89	Horizontal
239.9850	14.44	16.76	31.20	46.00	-14.80	Horizontal
599.9560	9.36	25.53	34.89	46.00	-11.11	Horizontal
959.9420	9.33	29.69	39.02	46.00	-6.98	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2437.000	106.08	112.10	-7.36	98.72	104.74	-	-	-	-	Vertical
*4874.032	49.41	55.45	0.09	49.50	55.54	54	74	-4.50	-18.46	Vertical
2437.000	105.51	111.55	-7.36	98.15	104.19	-	-	-	-	Horizontal
*4874.032	48.16	54.20	0.09	48.25	54.29	54	74	-5.75	-19.71	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

Date of Test:	August 31, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
159.7340	21.97	14.60	36.57	43.50	-6.93	Vertical
184.3040	18.48	15.91	34.39	43.50	-9.11	Vertical
282.5960	16.66	18.37	35.03	46.00	-10.97	Vertical
959.9420	8.92	29.69	38.61	46.00	-7.39	Vertical
159.7340	19.43	14.60	34.03	43.50	-9.47	Horizontal
239.9850	14.82	16.76	31.58	46.00	-14.42	Horizontal
599.9560	10.23	25.53	35.76	46.00	-10.24	Horizontal
959.9420	9.93	29.69	39.62	46.00	-6.38	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2462.000	105.77	111.79	-7.35	98.42	104.44	-	-	-	-	Vertical
2483.500	38.21	44.22	-7.37	30.84	36.85	54	74	-23.16	-37.15	Vertical
*4924.038	48.75	54.79	0.34	49.09	55.13	54	74	-4.91	-18.87	Vertical
2462.000	105.44	111.45	-7.35	98.04	104.10	-	-	-	-	Horizontal
2483.500	38.54	44.55	-7.37	31.17	37.18	54	74	-22.83	-36.82	Horizontal
*4924.038	47.93	53.96	0.34	48.27	54.30	54	74	-5.73	-19.70	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

Date of Test:	August 31, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
159.7340	22.23	14.60	36.83	43.50	-6.67	Vertical
184.3040	18.18	15.91	34.09	43.50	-9.41	Vertical
282.5960	16.86	18.37	35.23	46.00	-10.77	Vertical
959.9420	9.47	29.69	39.16	46.00	-6.84	Vertical
159.7340	18.34	14.60	32.94	43.50	-10.56	Horizontal
239.9850	15.63	16.76	32.39	46.00	-13.61	Horizontal
599.9560	9.57	25.53	35.10	46.00	-10.90	Horizontal
959.9420	9.57	29.69	39.26	46.00	-6.74	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2400.000	38.92	44.95	-7.46	31.46	37.49	54	74	-22.54	-36.51	Vertical
2412.000	105.11	111.16	-7.43	97.68	103.73	-	-	-	-	Vertical
*4824.028	49.69	55.74	-0.19	49.50	55.55	54	74	-4.50	-18.45	Vertical
2400.000	37.72	43.71	-7.46	30.26	36.25	54	74	-23.74	-37.75	Horizontal
2412.000	104.82	110.86	-7.43	97.39	103.43	-	-	-	-	Horizontal
*4824.028	48.36	54.40	-0.19	48.17	54.21	54	74	-5.83	-19.79	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

Date of Test:	August 31, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	802.11g Channel Middle 2437MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
159.7340	22.35	14.60	36.95	43.50	-6.55	Vertical
184.3040	18.14	15.91	34.05	43.50	-9.45	Vertical
282.5960	16.53	18.37	34.90	46.00	-11.10	Vertical
959.9420	8.74	29.69	38.43	46.00	-7.57	Vertical
159.7340	18.18	14.60	32.78	43.50	-10.72	Horizontal
239.9850	15.80	16.76	32.56	46.00	-13.44	Horizontal
599.9560	9.99	25.53	35.52	46.00	-10.48	Horizontal
959.9420	11.05	29.69	40.74	46.00	-5.26	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2437.000	105.04	111.07	-7.36	97.68	103.71	-	-	-	-	Vertical
*4874.030	48.88	54.91	0.09	48.97	55.00	54	74	-5.03	-19.00	Vertical
2437.000	104.90	110.95	-7.36	97.54	103.59	-	-	-	-	Horizontal
*4874.030	48.28	54.32	0.09	48.37	54.41	54	74	-5.63	-19.59	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

Date of Test:	August 31, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	DC 7.4V
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
159.7340	21.99	14.60	36.59	43.50	-6.91	Vertical
184.3040	18.26	15.91	34.17	43.50	-9.33	Vertical
282.5960	16.36	18.37	34.73	46.00	-11.27	Vertical
959.9420	9.02	29.69	38.71	46.00	-7.29	Vertical
159.7340	17.66	14.60	32.26	43.50	-11.24	Horizontal
239.9850	15.65	16.76	32.41	46.00	-13.59	Horizontal
599.9560	9.22	25.53	34.75	46.00	-11.25	Horizontal
959.9420	8.06	29.69	37.75	46.00	-8.25	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2462.000	105.44	111.46	-7.35	98.09	104.11	-	-	-	-	Vertical
2483.500	39.19	45.18	-7.37	31.82	37.81	54	74	-22.18	-36.19	Vertical
*4924.031	48.90	54.92	0.34	49.24	55.26	54	74	-4.76	-18.74	Vertical
2462.000	104.57	110.60	-7.35	97.22	103.25	-	-	-	-	Horizontal
2483.500	39.56	45.61	-7.37	32.19	38.24	54	74	-21.81	-35.76	Horizontal
*4924.031	48.22	54.26	0.34	48.56	54.60	54	74	-5.44	-19.40	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

ACCURATE TECHNOLOGY CO., LTD.
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Site: 966 chamber
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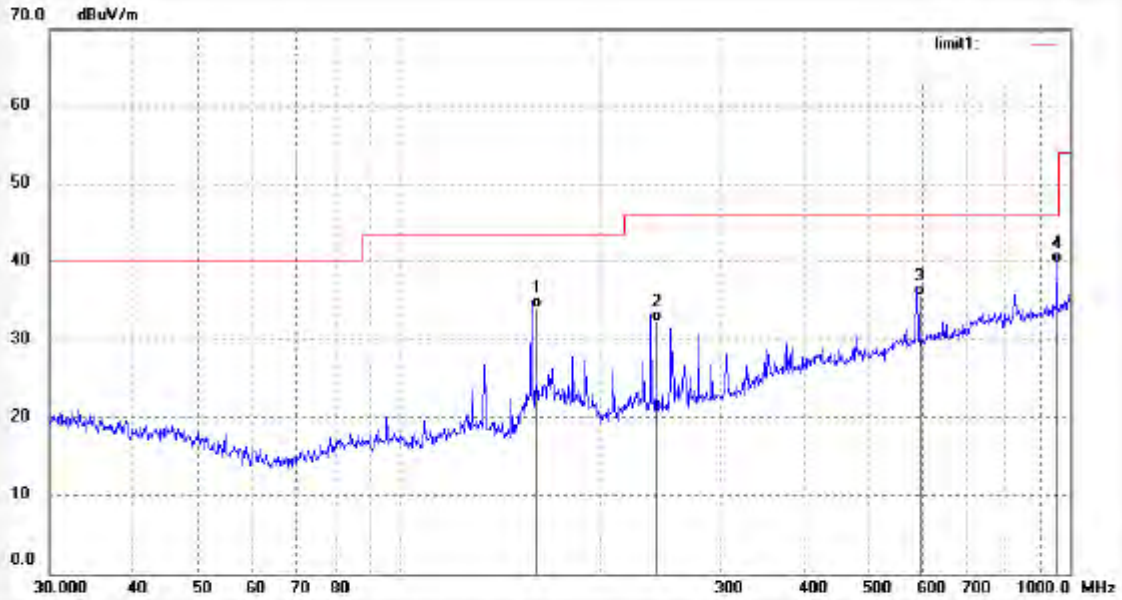
Fax:+86-0755-26503396

Job No.: joe #1521
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 1 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 10:16:25
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	19.50	14.60	34.10	43.50	-9.40	QP			
2	239.9850	15.47	16.76	32.23	46.00	-13.77	QP			
3	599.9560	10.06	25.53	35.59	46.00	-10.41	QP			
4	959.9420	10.09	29.69	39.78	46.00	-6.22	QP			

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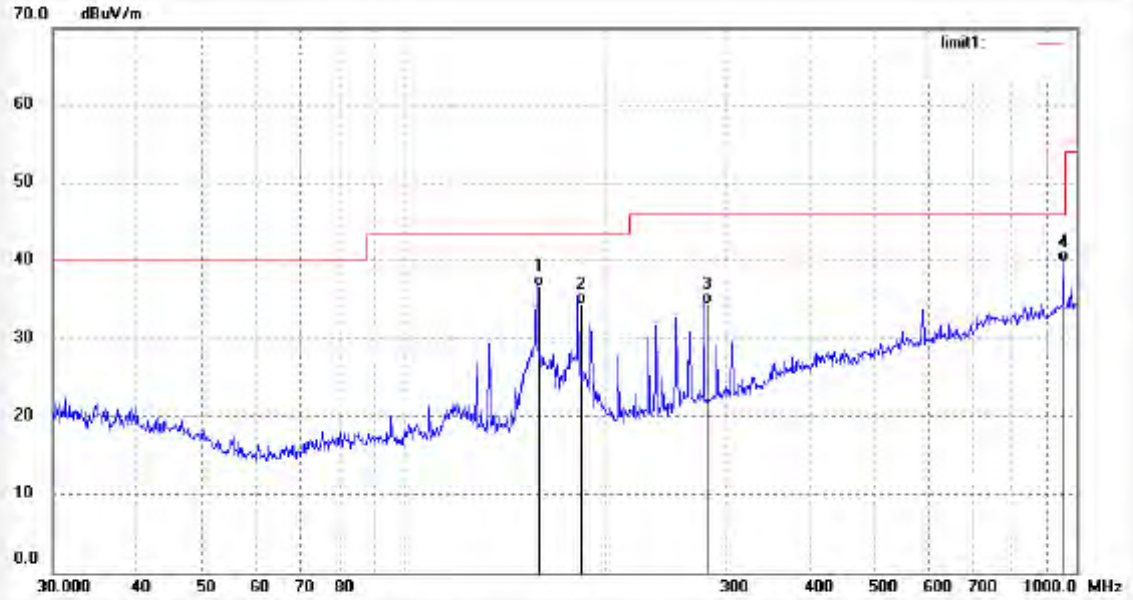
Job No.: joe #1522
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 1 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 10:20:01
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	22.04	14.60	36.64	43.50	-6.86	QP			
2	184.3040	18.51	15.91	34.42	43.50	-9.08	QP			
3	282.5960	16.10	18.37	34.47	46.00	-11.53	QP			
4	959.9420	10.04	29.69	39.73	46.00	-6.27	QP			

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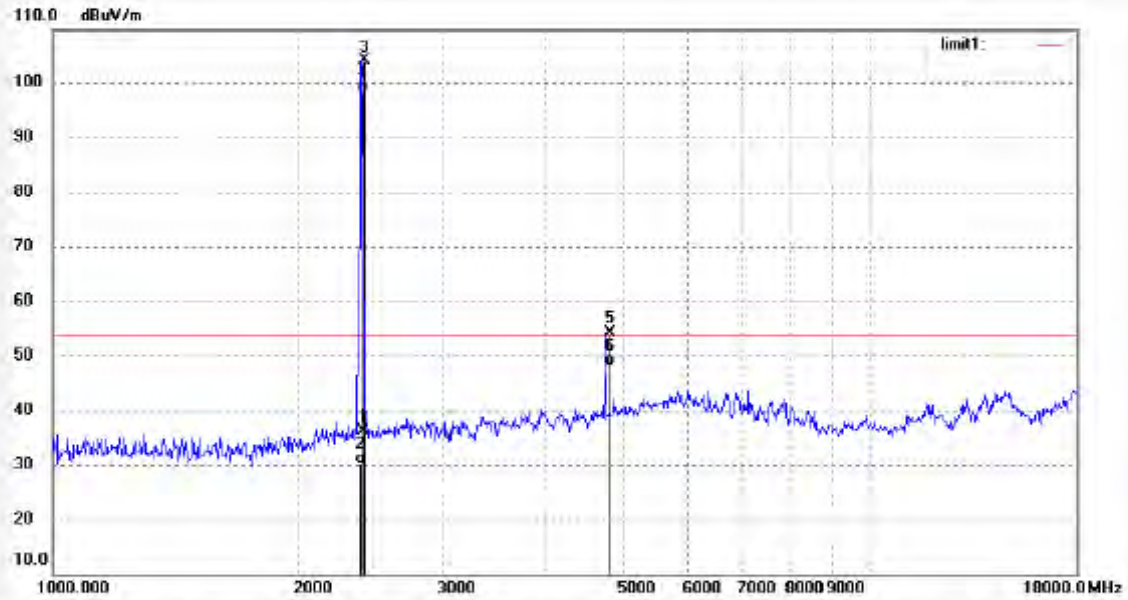
Job No.: joe #1533
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 1 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:02:59
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.000	43.48	-7.46	36.02	74.00	-37.98	peak			
2	2400.000	37.52	-7.46	30.06	54.00	-23.94	AVG			
3	2412.000	111.56	-7.43	104.13	-	-	peak			
4	2412.000	105.59	-7.43	98.16	-	-	AVG			
5	4824.036	54.22	-0.19	54.03	74.00	-19.97	peak			
6	4824.036	48.22	-0.19	48.03	54.00	-5.97	AVG			

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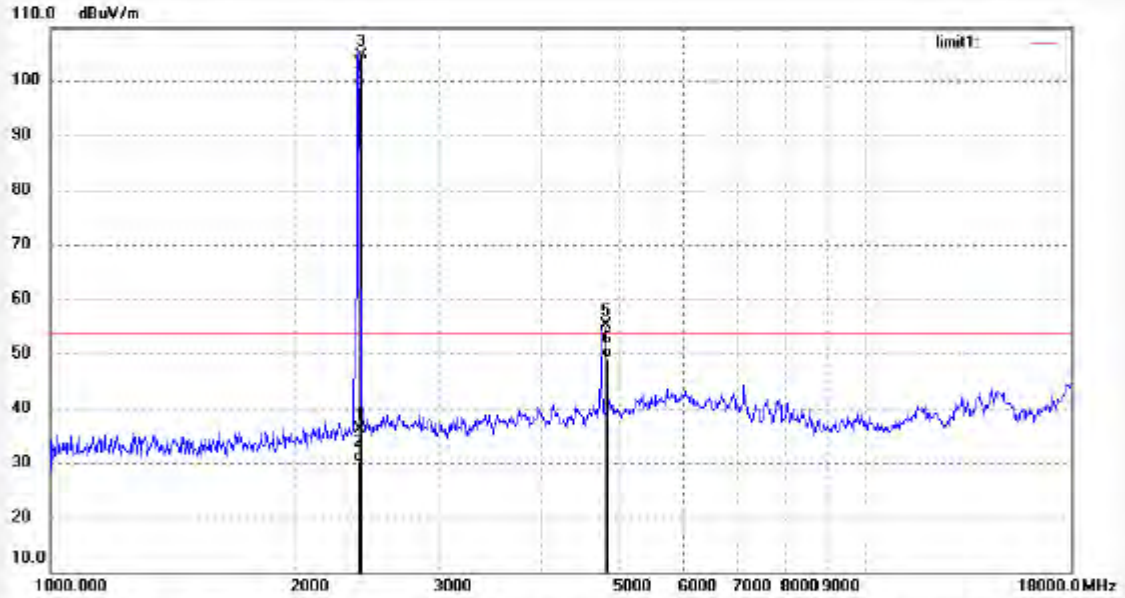
Job No.: joe #1534
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 1 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:07:10
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.000	43.58	-7.46	36.12	74.00	-37.88	peak			
2	2400.000	37.59	-7.46	30.13	54.00	-23.87	AVG			
3	2412.000	112.43	-7.43	105.00	-	-	peak			
4	2412.000	106.42	-7.43	98.99	-	-	AVG			
5	4824.036	55.22	-0.19	55.03	74.00	-18.97	peak			
6	4824.036	49.21	-0.19	49.02	54.00	-4.98	AVG			

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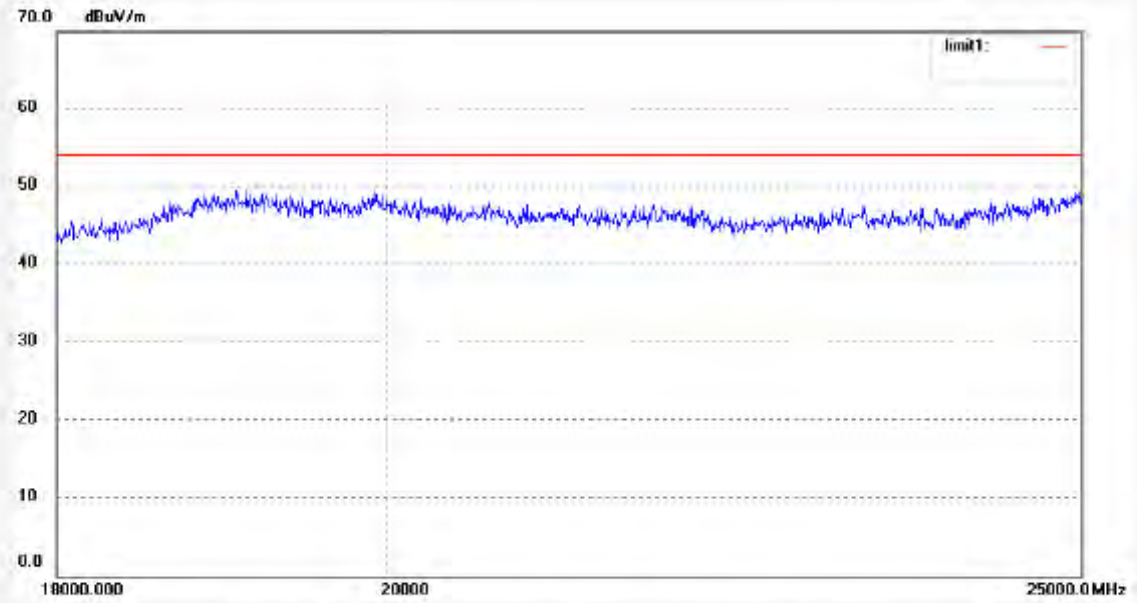
Job No.: joe #1545	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 14:57:50
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 1 (802.11b)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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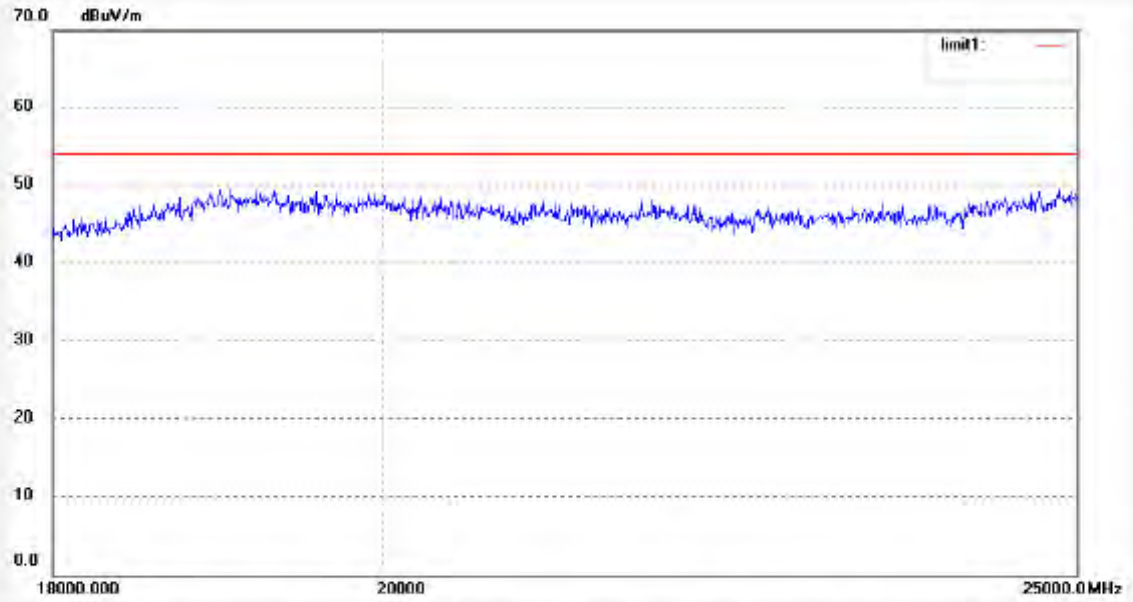
Job No.: joe #1546	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 15:01:26
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 1 (802.11b)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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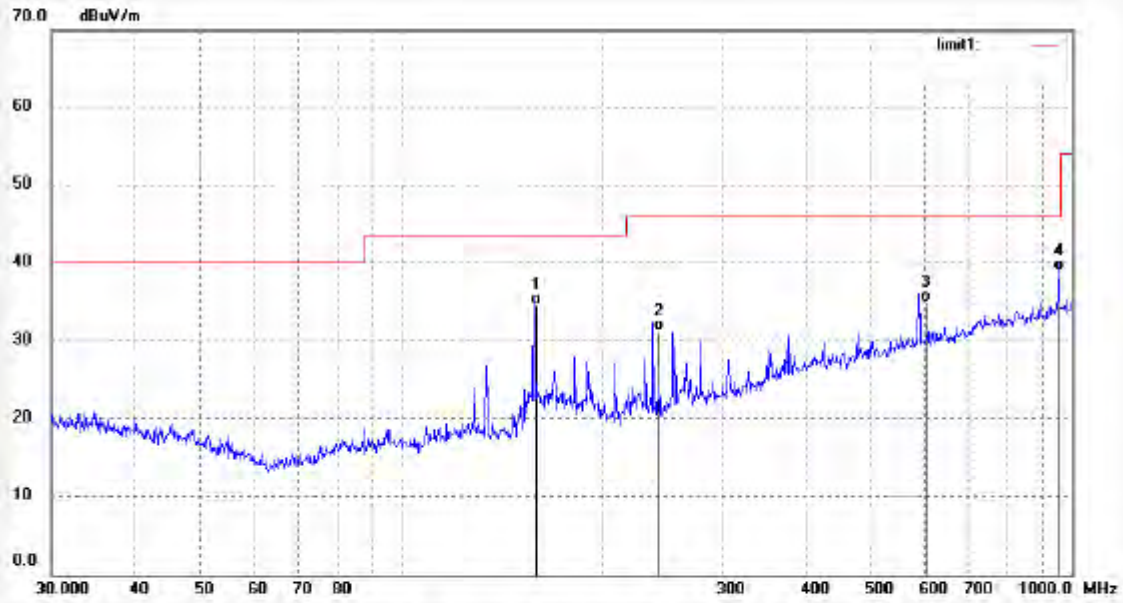
Job No.: joe #1524
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 6 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 10:27:54
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	20.01	14.60	34.61	43.50	-8.89	QP			
2	239.9850	14.44	16.76	31.20	46.00	-14.80	QP			
3	599.9560	9.36	25.53	34.89	46.00	-11.11	QP			
4	959.9420	9.33	29.69	39.02	46.00	-6.98	QP			

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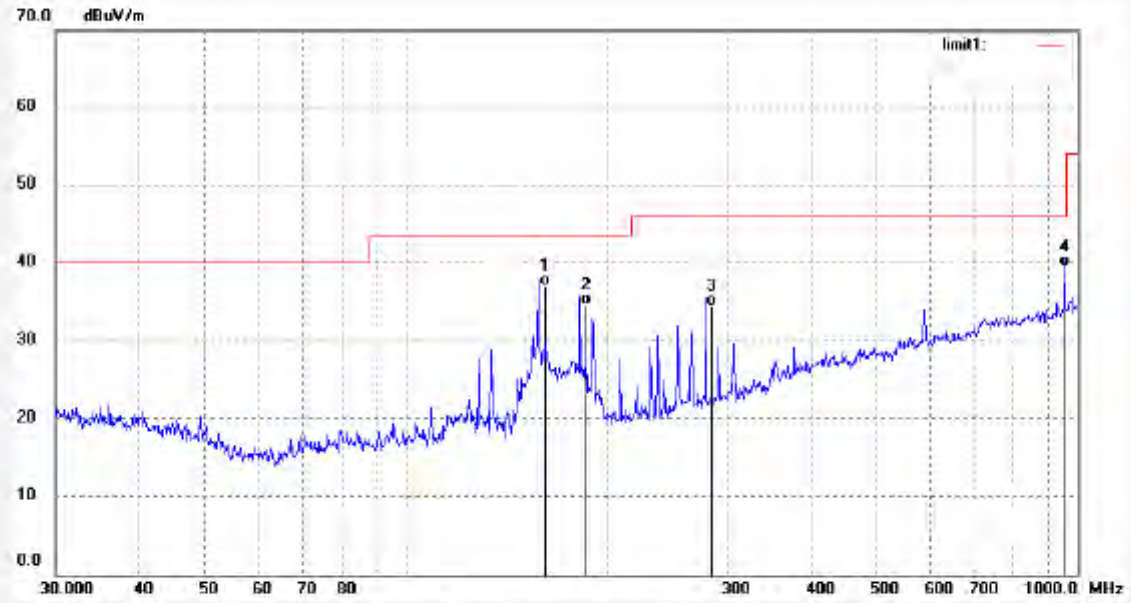
Job No.: joe #1523
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 6 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 10:24:22
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	22.36	14.60	36.96	43.50	-6.54	QP			
2	184.3040	18.65	15.91	34.56	43.50	-8.94	QP			
3	282.5960	16.04	18.37	34.41	46.00	-11.59	QP			
4	959.9420	9.74	29.69	39.43	46.00	-6.57	QP			

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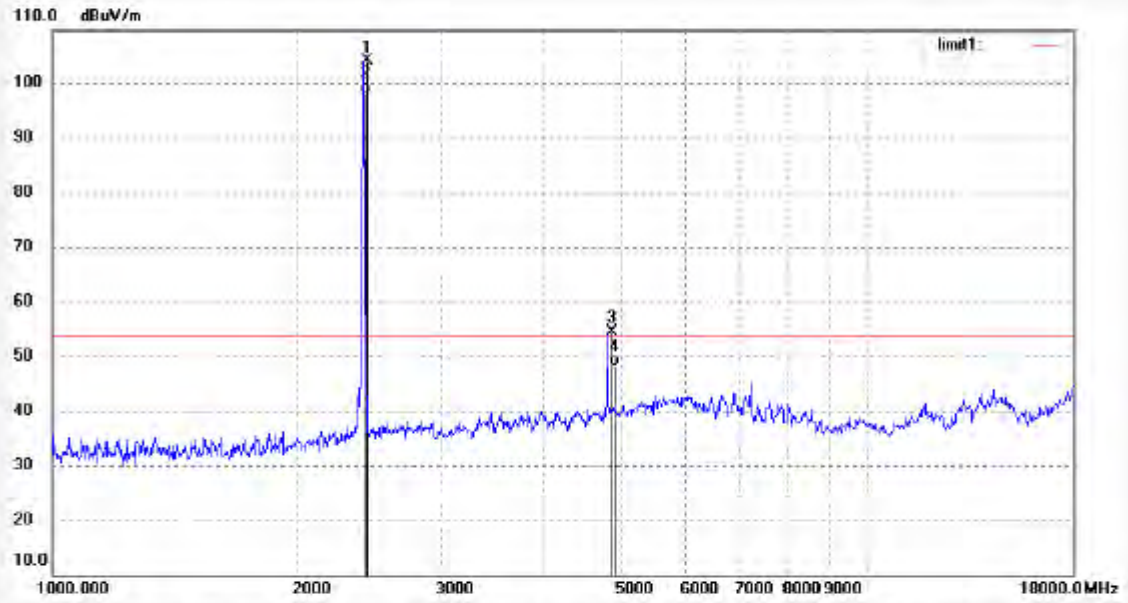
Fax:+86-0755-26503396

Job No.: joe #1536
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 6 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:15:49
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	111.55	-7.36	104.19	-	-	peak			
2	2437.000	105.51	-7.36	98.15	-	-	AVG			
3	4874.032	54.20	0.09	54.29	74.00	-19.71	peak			
4	4874.032	48.16	0.09	48.25	54.00	-5.75	AVG			

ACCURATE TECHNOLOGY CO., LTD.
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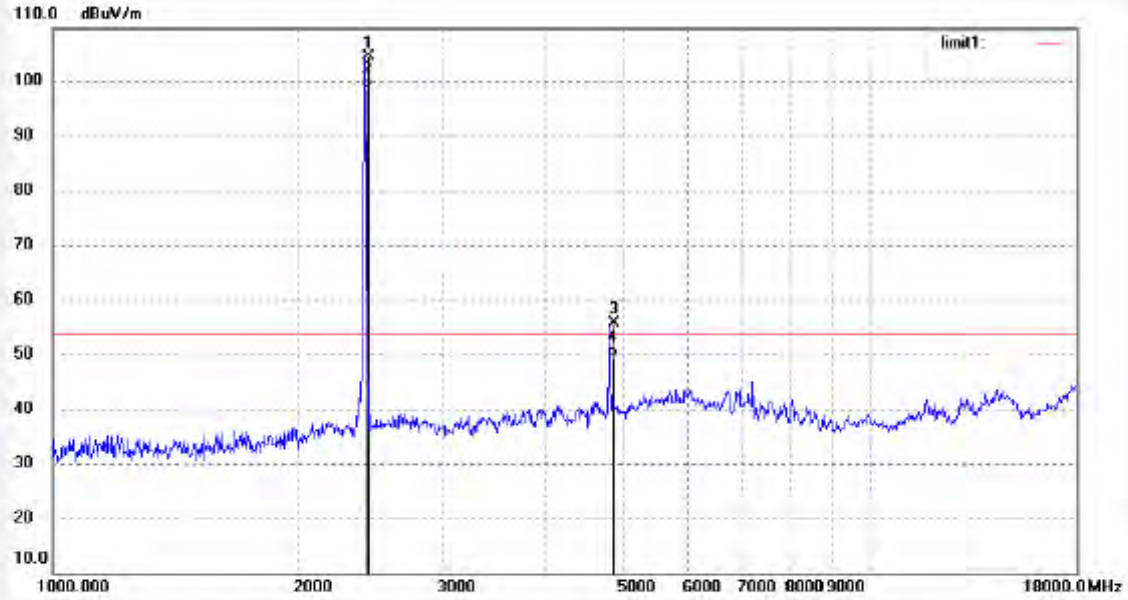
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1535
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 6 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:11:41
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	112.10	-7.36	104.74	-	-	peak			
2	2437.000	106.08	-7.36	98.72	-	-	AVG			
3	4874.032	55.45	0.09	55.54	74.00	-18.46	peak			
4	4874.032	49.41	0.09	49.50	54.00	-4.50	AVG			

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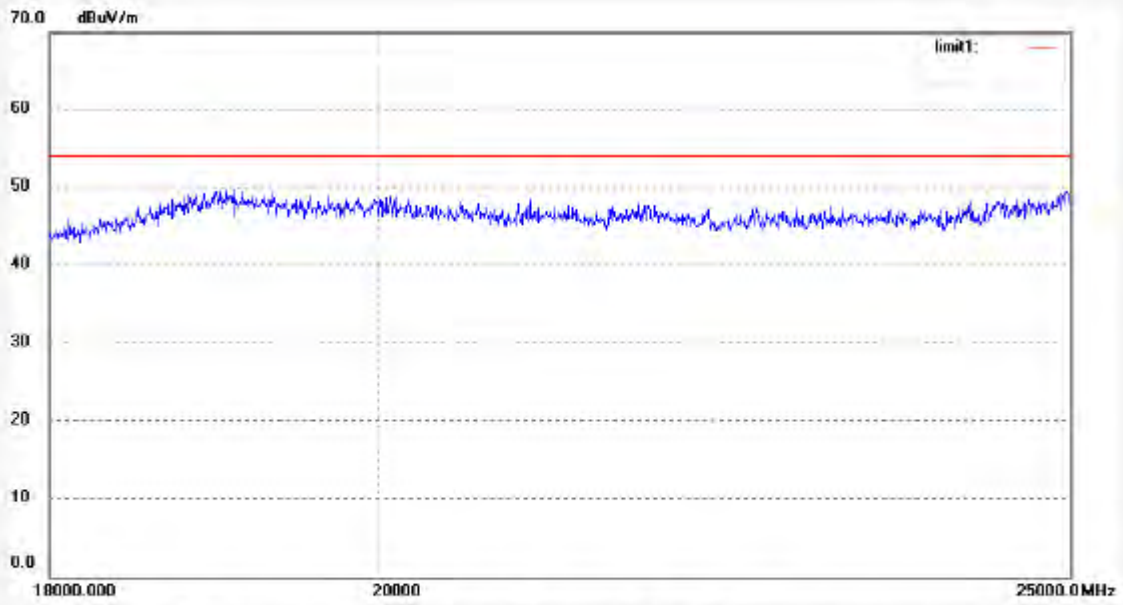
Fax:+86-0755-26503396

Job No.: joe #1548	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 15:09:14
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 6 (802.11b)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
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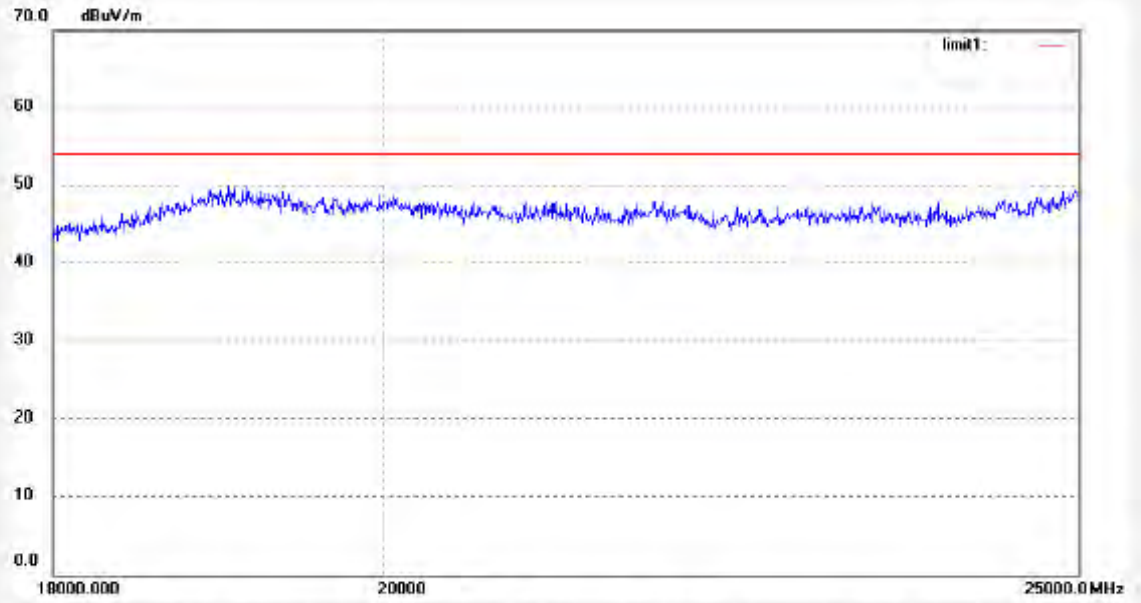
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1547	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 15:05:40
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 6 (802.11b)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
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Site: 966 chamber
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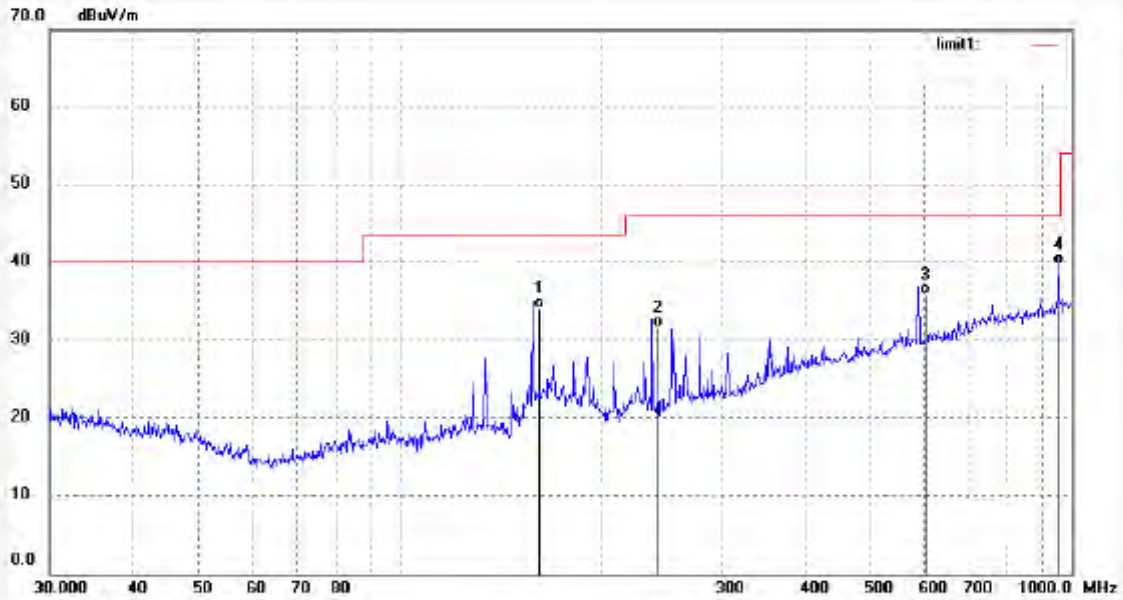
Fax:+86-0755-26503396

Job No.: joe #1525
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 11 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 10:32:20
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	19.43	14.60	34.03	43.50	-9.47	QP			
2	239.9850	14.82	16.76	31.58	46.00	-14.42	QP			
3	599.9560	10.23	25.53	35.76	46.00	-10.24	QP			
4	959.9420	9.93	29.69	39.62	46.00	-6.38	QP			

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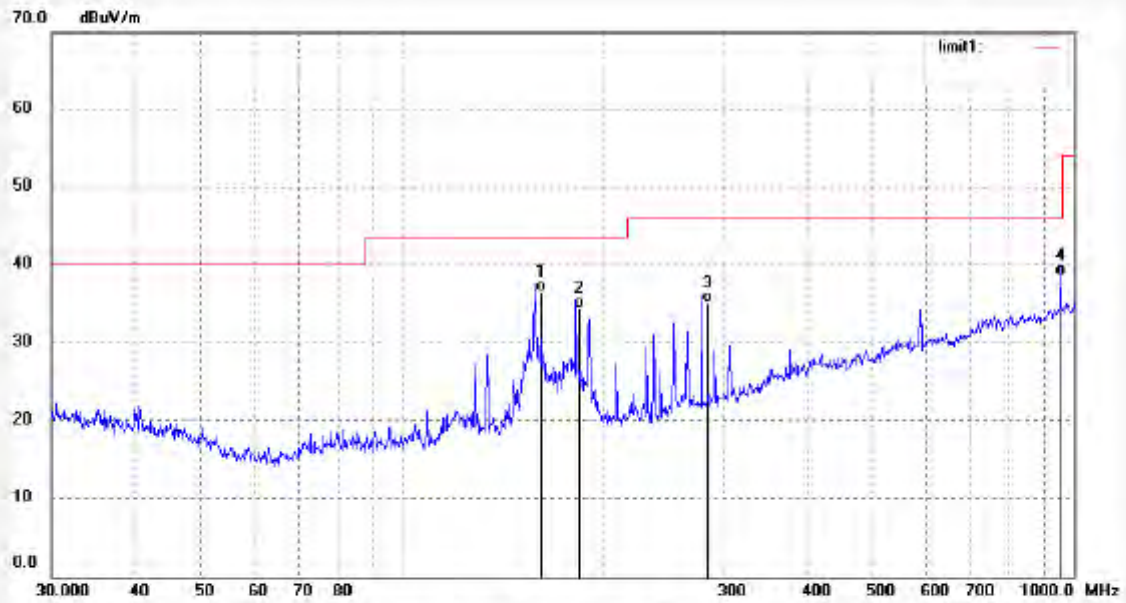
Job No.: joe #1526
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 11 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 10:35:53
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	21.97	14.60	36.57	43.50	-6.93	QP			
2	184.3040	18.48	15.91	34.39	43.50	-9.11	QP			
3	282.5960	16.66	18.37	35.03	46.00	-10.97	QP			
4	959.9420	8.92	29.69	38.61	46.00	-7.39	QP			

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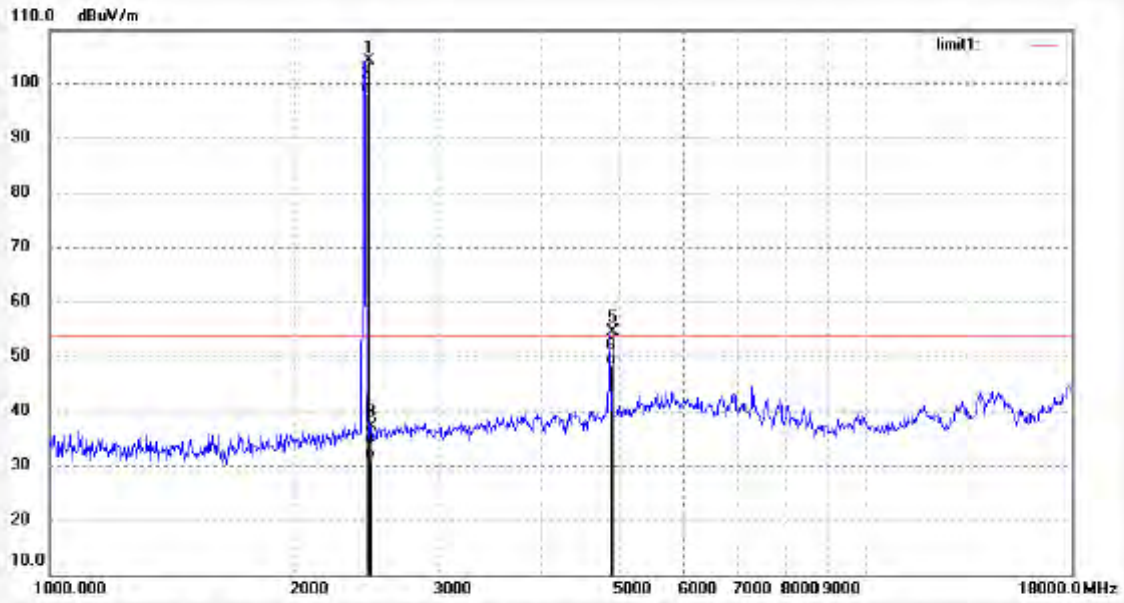
Fax:+86-0755-26503396

Job No.: joe #1537
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 11 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:20:24
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	111.45	-7.35	104.10	-	-	peak			
2	2462.000	105.44	-7.35	98.09	-	-	AVG			
3	2483.500	44.55	-7.37	37.18	74.00	-36.82	peak			
4	2483.500	38.54	-7.37	31.17	54.00	-22.83	AVG			
5	4924.038	53.96	0.34	54.30	74.00	-19.70	peak			
6	4924.038	47.93	0.34	48.27	54.00	-5.73	AVG			

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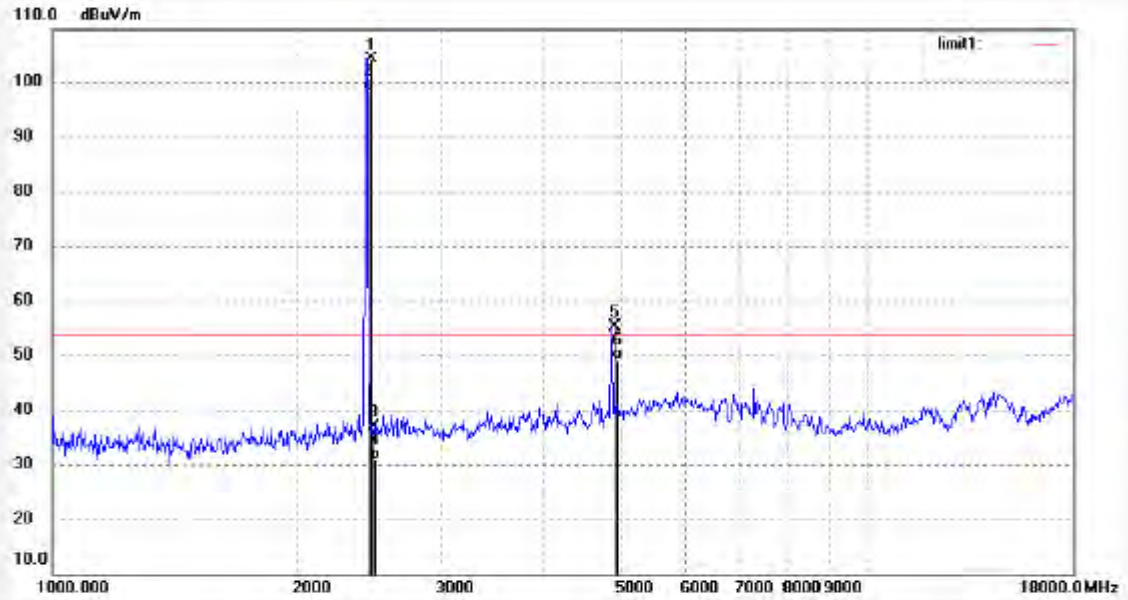
Fax:+86-0755-26503396

Job No.: joe #1538
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 11 (802.11b)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:24:30
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	111.79	-7.35	104.44	-	-	peak			
2	2462.000	105.77	-7.35	98.42	-	-	AVG			
3	2483.500	44.22	-7.37	36.85	74.00	-37.15	peak			
4	2483.500	38.21	-7.37	30.84	54.00	-23.16	AVG			
5	4924.038	54.79	0.34	55.13	74.00	-18.87	peak			
6	4924.038	48.75	0.34	49.09	54.00	-4.91	AVG			

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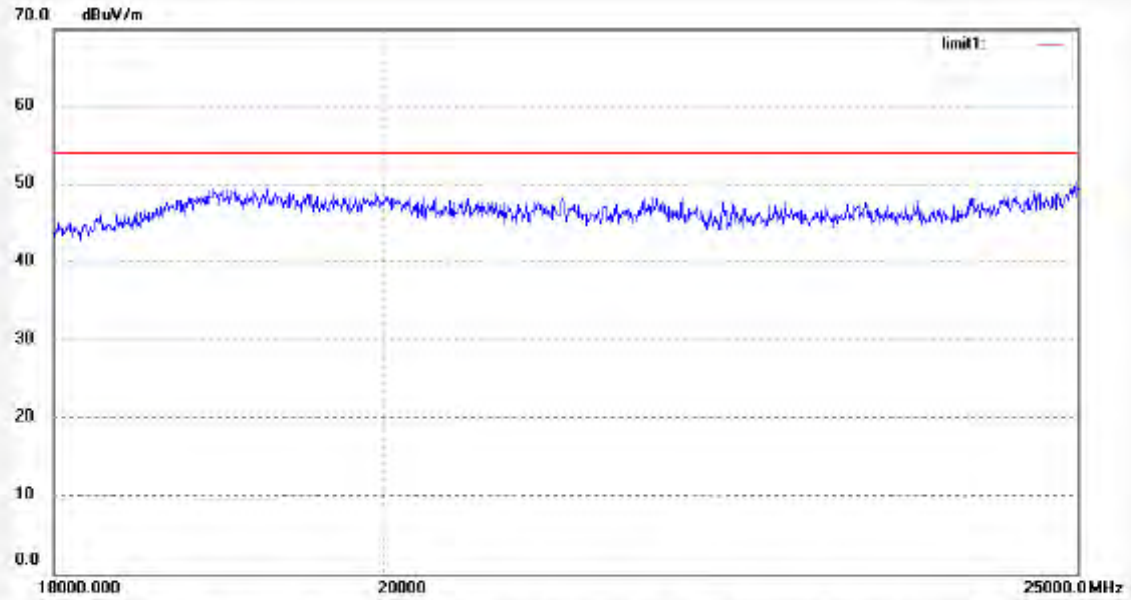
Job No.: joe #1549	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 15:13:25
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 11 (802.11b)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
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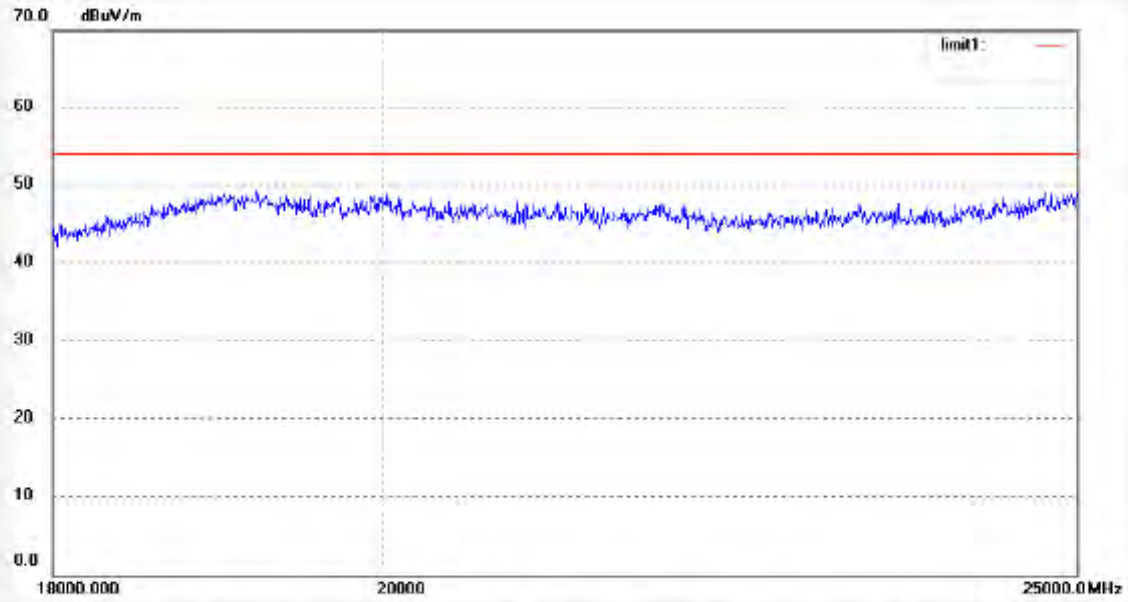
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1550	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 15:16:58
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 11 (802.11b)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831



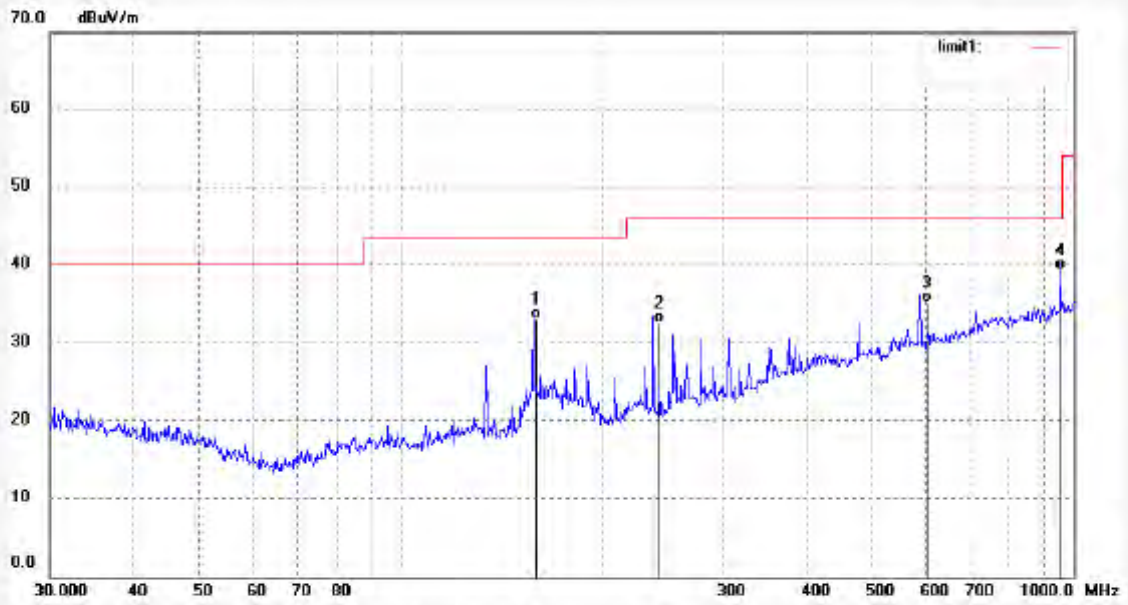
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1528
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 1 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 10:44:45
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	18.34	14.60	32.94	43.50	-10.56	QP			
2	239.9850	15.63	16.76	32.39	46.00	-13.61	QP			
3	599.9560	9.57	25.53	35.10	46.00	-10.90	QP			
4	959.9420	9.57	29.69	39.26	46.00	-6.74	QP			

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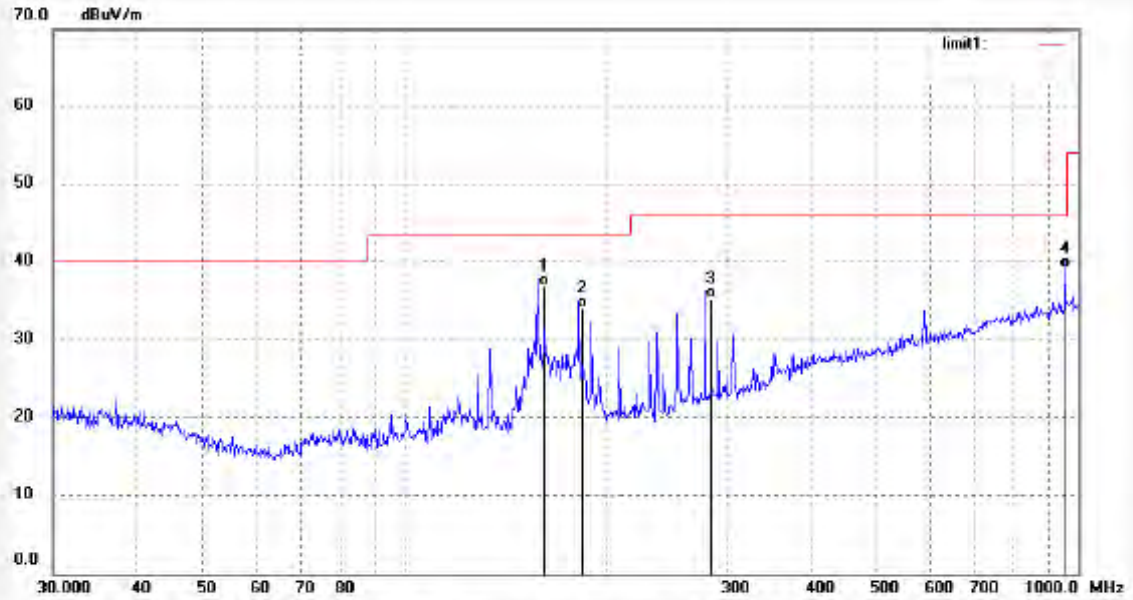
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1527
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 1 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 10:41:11
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	22.23	14.60	36.83	43.50	-6.67	QP			
2	184.3040	18.18	15.91	34.09	43.50	-9.41	QP			
3	282.5960	16.86	18.37	35.23	46.00	-10.77	QP			
4	959.9420	9.47	29.69	39.16	46.00	-6.84	QP			

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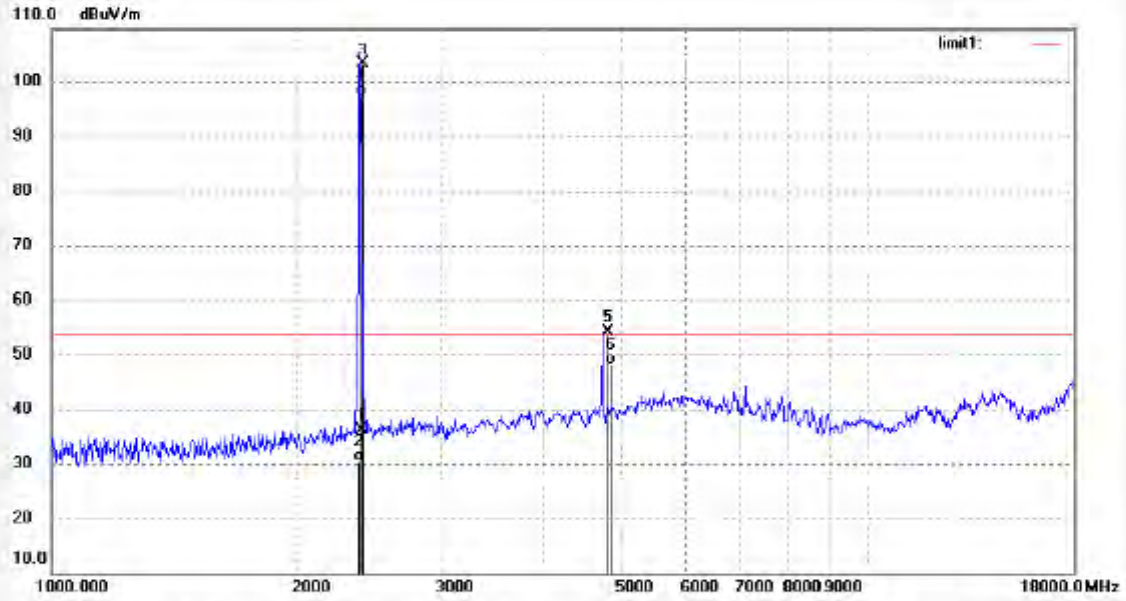
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1540
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 1 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:34:36
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.000	43.71	-7.46	36.25	74.00	-37.75	peak			
2	2400.000	37.72	-7.46	30.26	54.00	-23.74	AVG			
3	2412.000	110.86	-7.43	103.43	-	-	peak			
4	2412.000	104.82	-7.43	97.39	-	-	AVG			
5	4824.028	54.40	-0.19	54.21	74.00	-19.79	peak			
6	4824.028	48.36	-0.19	48.17	54.00	-5.83	AVG			

ACCURATE TECHNOLOGY CO., LTD.
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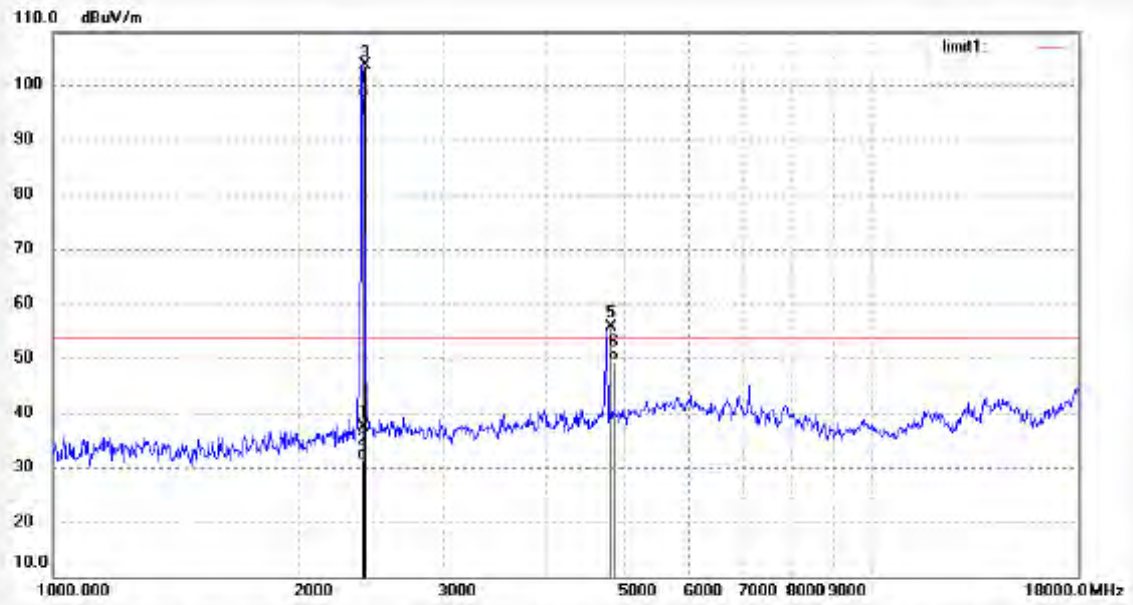
Job No.: joe #1539
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 1 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:30:27
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.000	44.95	-7.46	37.49	74.00	-36.51	peak			
2	2400.000	38.92	-7.46	31.46	54.00	-22.54	AVG			
3	2412.000	111.16	-7.43	103.73	-	-	peak			
4	2412.000	105.11	-7.43	97.68	-	-	AVG			
5	4824.028	55.74	-0.19	55.55	74.00	-18.45	peak			
6	4824.028	49.69	-0.19	49.50	54.00	-4.50	AVG			

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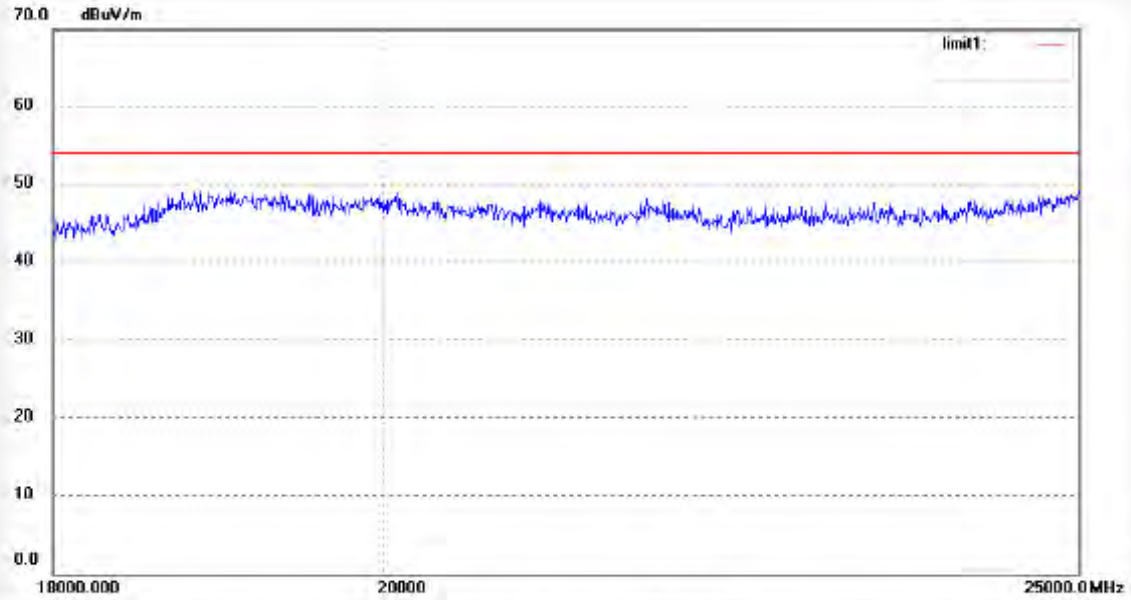
Job No.: joe #1552	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 15:26:21
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 1 (802.11g)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
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Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
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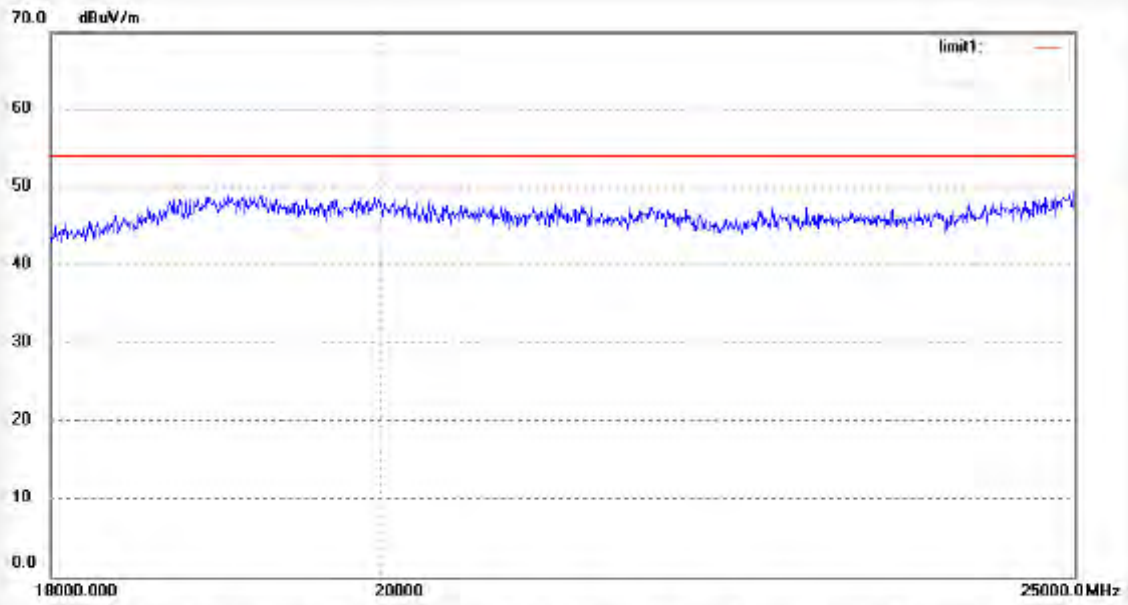
Fax:+86-0755-26503396

Job No.: joe #1551	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 15:22:46
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 1 (802.11g)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831



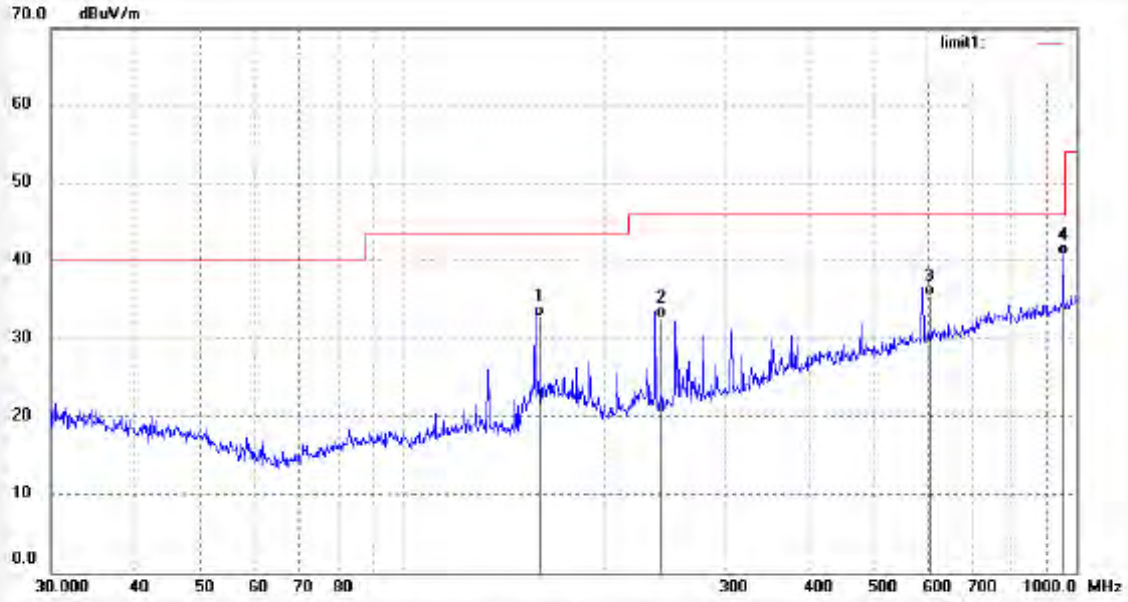
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1529
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 6 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 10:49:22
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	18.18	14.60	32.78	43.50	-10.72	QP			
2	239.9850	15.80	16.76	32.56	46.00	-13.44	QP			
3	599.9560	9.99	25.53	35.52	46.00	-10.48	QP			
4	959.9420	11.05	29.69	40.74	46.00	-5.26	QP			

ACCURATE TECHNOLOGY CO., LTD.
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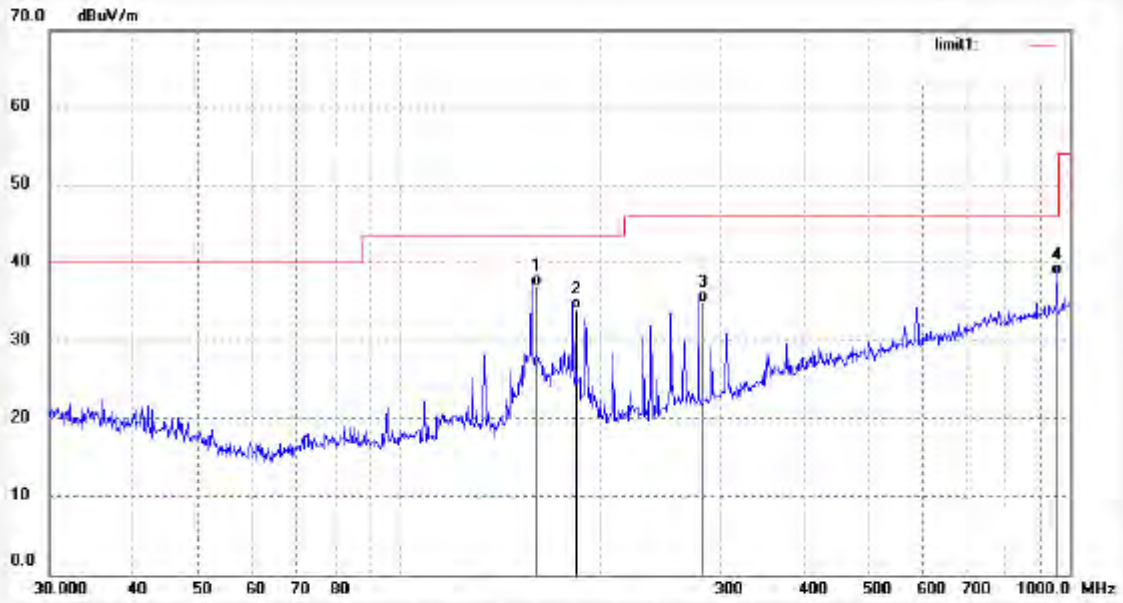
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1530
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 6 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 10:52:57
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	22.35	14.60	36.95	43.50	-6.55	QP			
2	184.3040	18.14	15.91	34.05	43.50	-9.45	QP			
3	282.5960	16.53	18.37	34.90	46.00	-11.10	QP			
4	959.9420	8.74	29.69	38.43	46.00	-7.57	QP			

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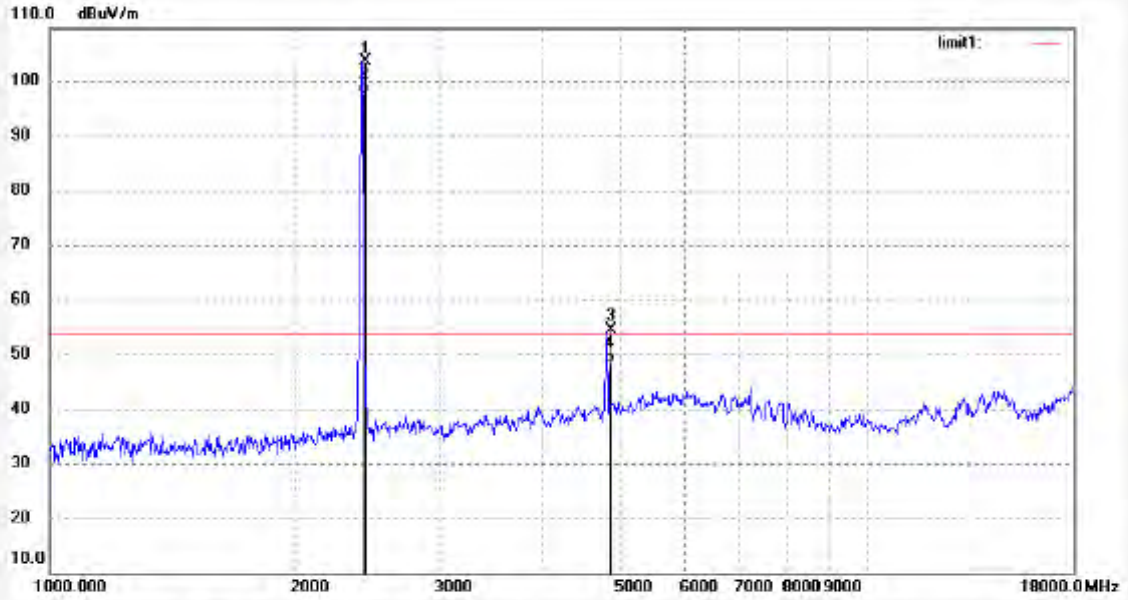
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1541
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 6 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:38:58
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	110.95	-7.36	103.59	-	-	peak			
2	2437.000	104.90	-7.36	97.54	-	-	AVG			
3	4874.030	54.32	0.09	54.41	74.00	-19.59	peak			
4	4874.030	48.28	0.09	48.37	54.00	-5.63	AVG			

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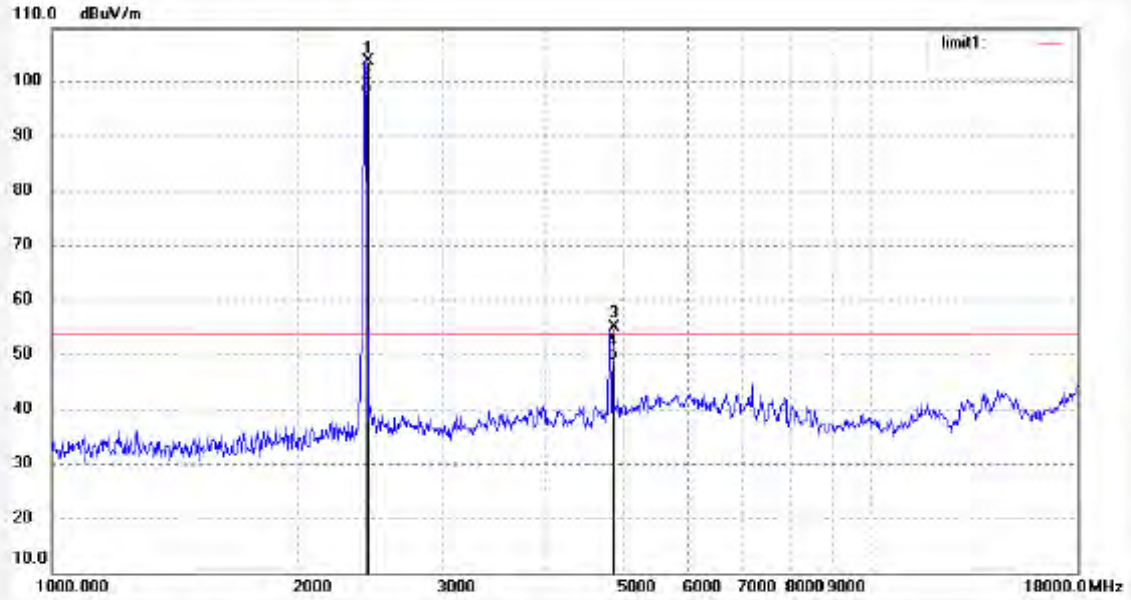
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1542
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 6 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:43:06
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	111.07	-7.36	103.71	-	-	peak			
2	2437.000	105.04	-7.36	97.68	-	-	AVG			
3	4874.030	54.91	0.09	55.00	74.00	-19.00	peak			
4	4874.030	48.88	0.09	48.97	54.00	-5.03	AVG			

ACCURATE TECHNOLOGY CO., LTD.
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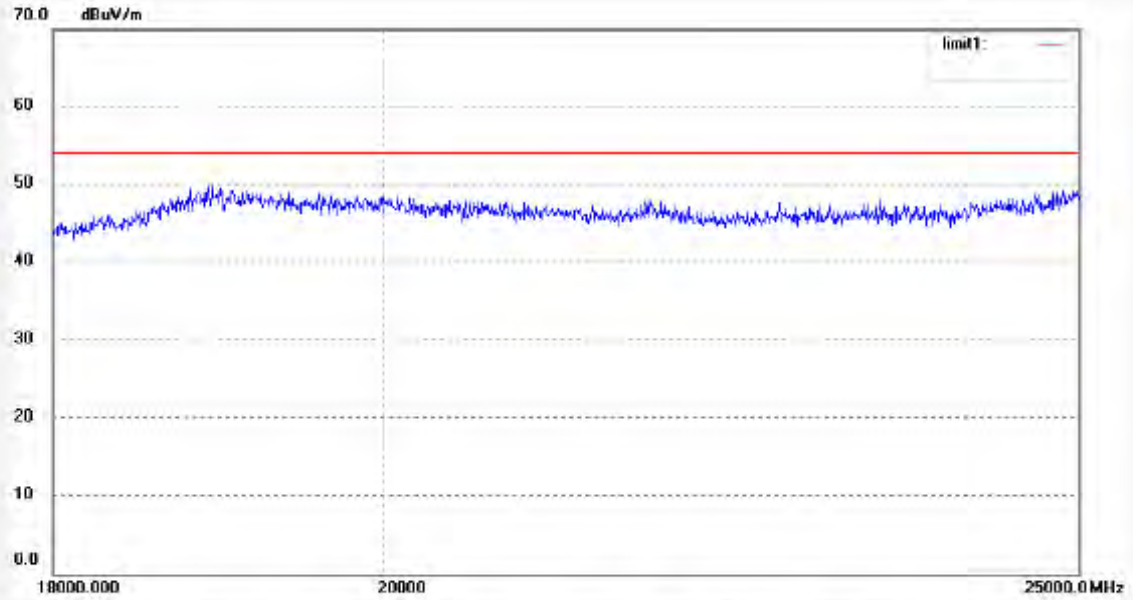
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1553	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 15:30:38
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 6 (802.11g)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831

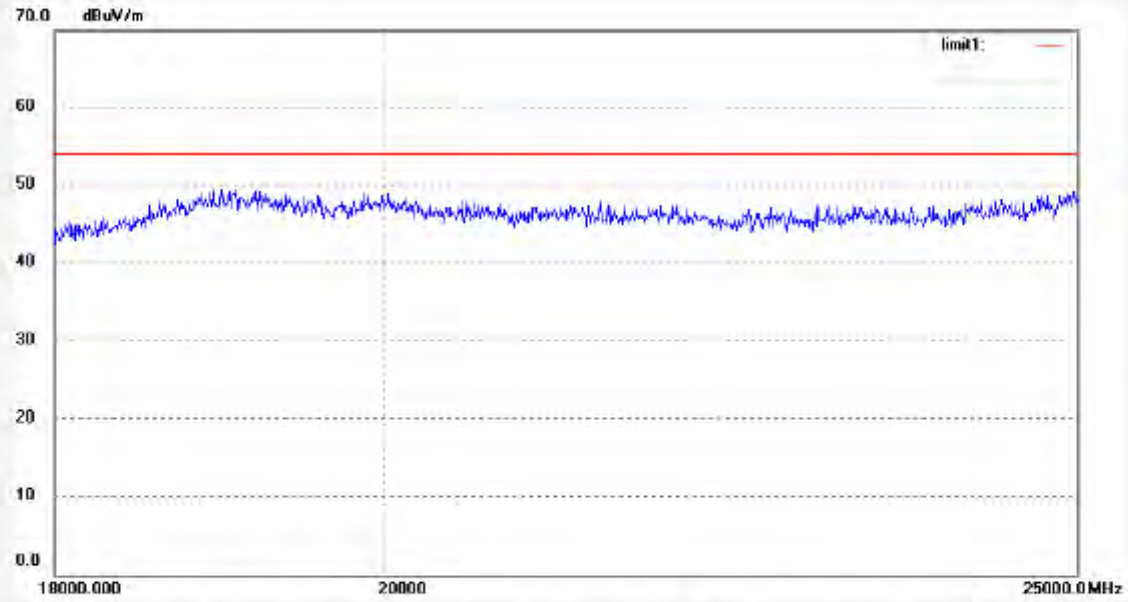


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1554	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 15:34:11
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 6 (802.11g)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831



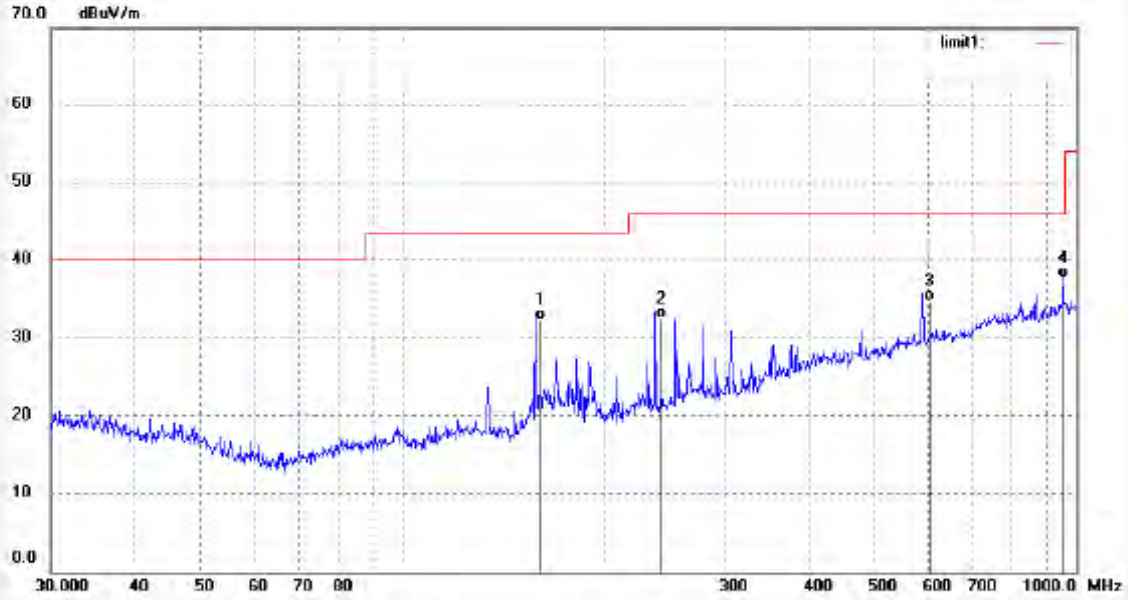
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1532
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 11 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 11:01:07
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	17.66	14.60	32.26	43.50	-11.24	QP			
2	239.9850	15.65	16.76	32.41	46.00	-13.59	QP			
3	599.9560	9.22	25.53	34.75	46.00	-11.25	QP			
4	959.9420	8.06	29.69	37.75	46.00	-8.25	QP			

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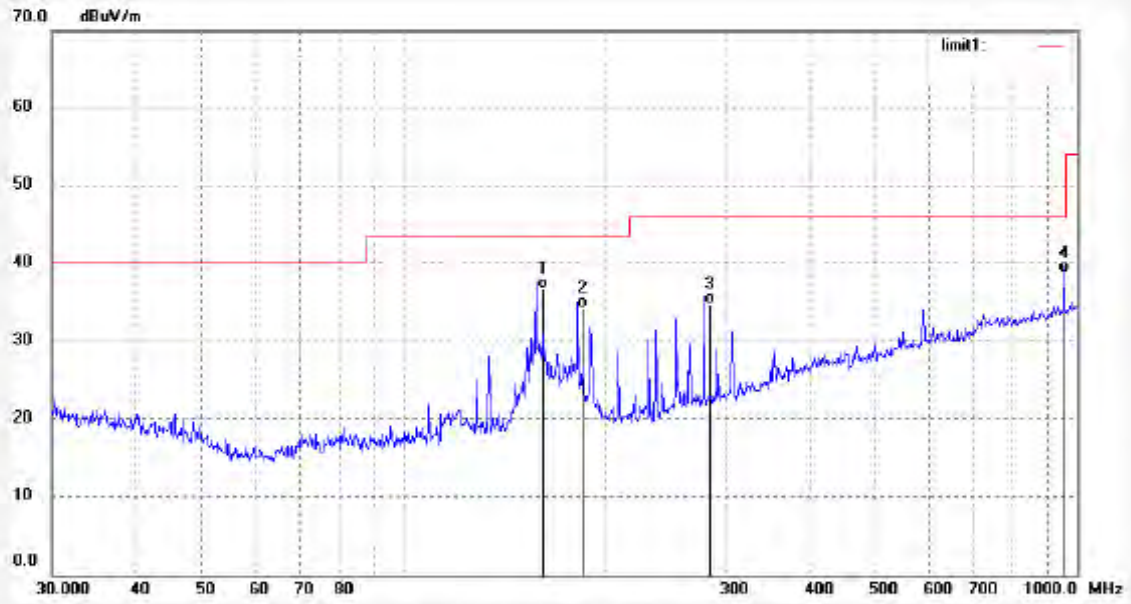
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1531
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 11 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 10:57:36
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



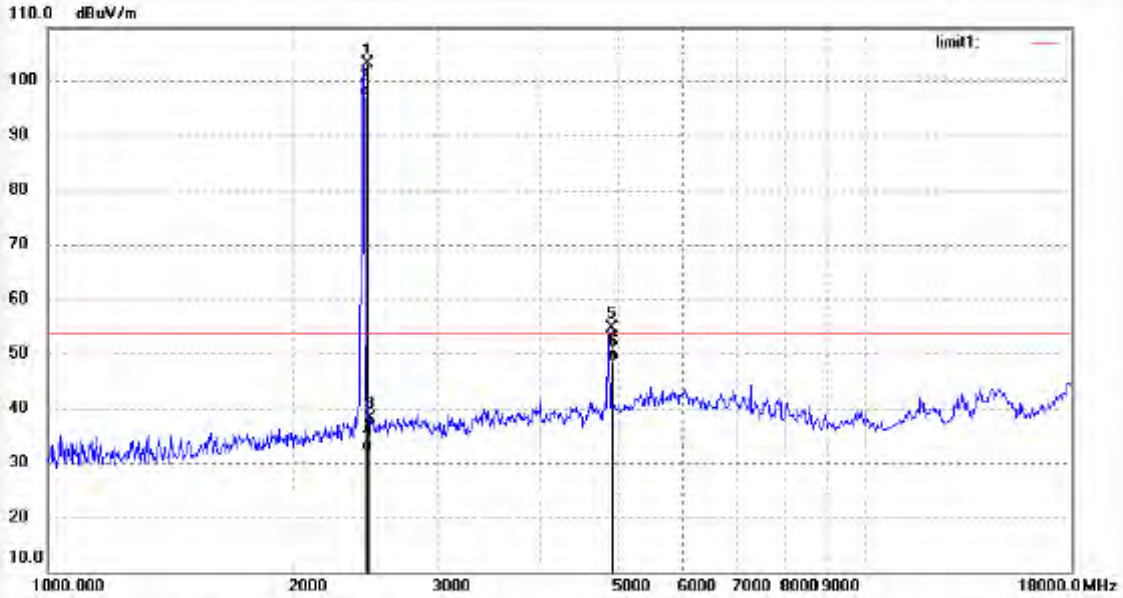
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	159.7340	21.99	14.60	36.59	43.50	-6.91	QP			
2	184.3040	18.26	15.91	34.17	43.50	-9.33	QP			
3	282.5960	16.36	18.37	34.73	46.00	-11.27	QP			
4	959.9420	9.02	29.69	38.71	46.00	-7.29	QP			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1544
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 11 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Horizontal
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:51:23
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831



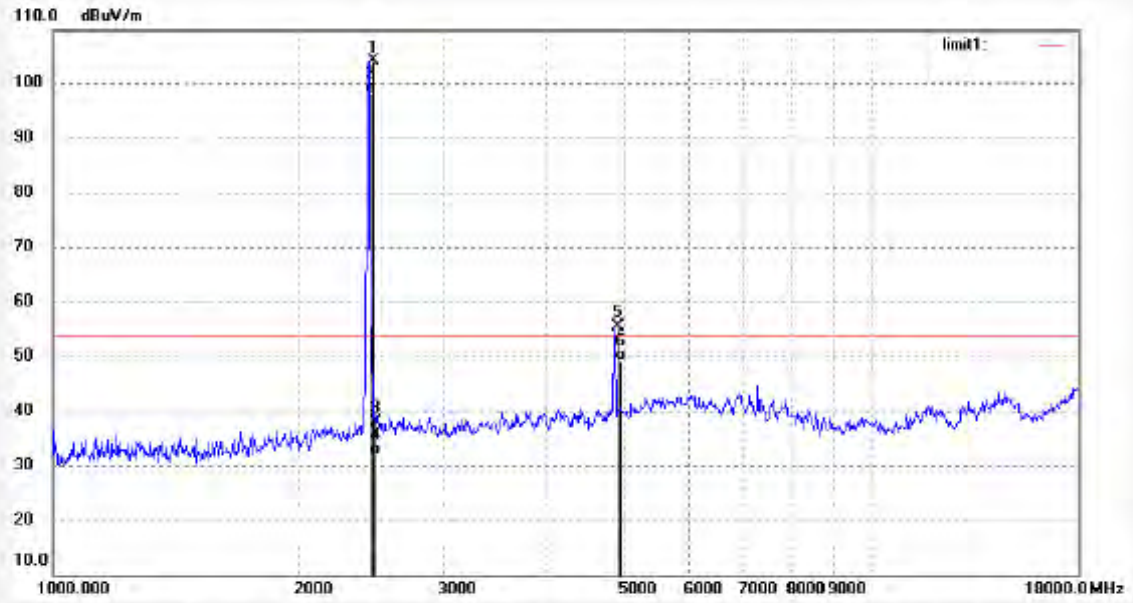
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	110.60	-7.35	103.25	-	-	peak			
2	2462.000	104.57	-7.35	97.22	-	-	AVG			
3	2483.500	45.61	-7.37	38.24	74.00	-35.76	peak			
4	2483.500	39.56	-7.37	32.19	54.00	-21.81	AVG			
5	4924.031	54.26	0.34	54.60	74.00	-19.40	peak			
6	4924.031	48.22	0.34	48.56	54.00	-5.44	AVG			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1543
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: MID
Mode: TX Channel 11 (802.11g)
Model: M7000XX
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.

Polarization: Vertical
Power Source: DC 7.4V
Date: 2011/08/31
Time: 14:47:17
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:1101801 Report No.:ATE20111831

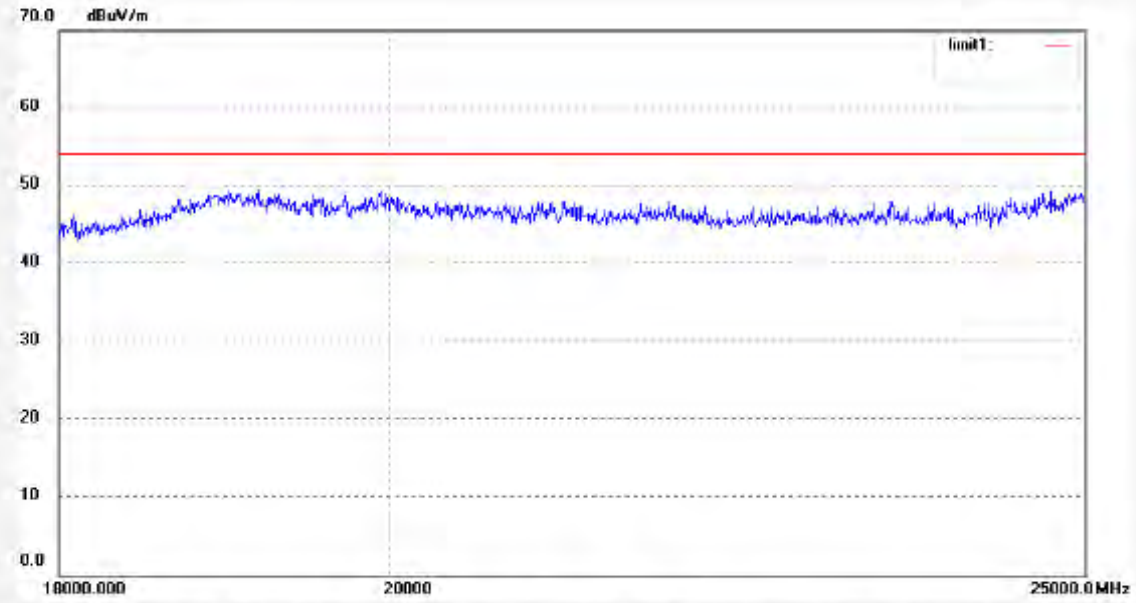


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	111.46	-7.35	104.11	-	-	peak			
2	2462.000	105.44	-7.35	98.09	-	-	AVG			
3	2483.500	45.18	-7.37	37.81	74.00	-36.19	peak			
4	2483.500	39.19	-7.37	31.82	54.00	-22.18	AVG			
5	4924.031	54.92	0.34	55.26	74.00	-18.74	peak			
6	4924.031	48.90	0.34	49.24	54.00	-4.76	AVG			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1556	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 15:41:59
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

Note: Sample No.:1101801 Report No.:ATE20111831

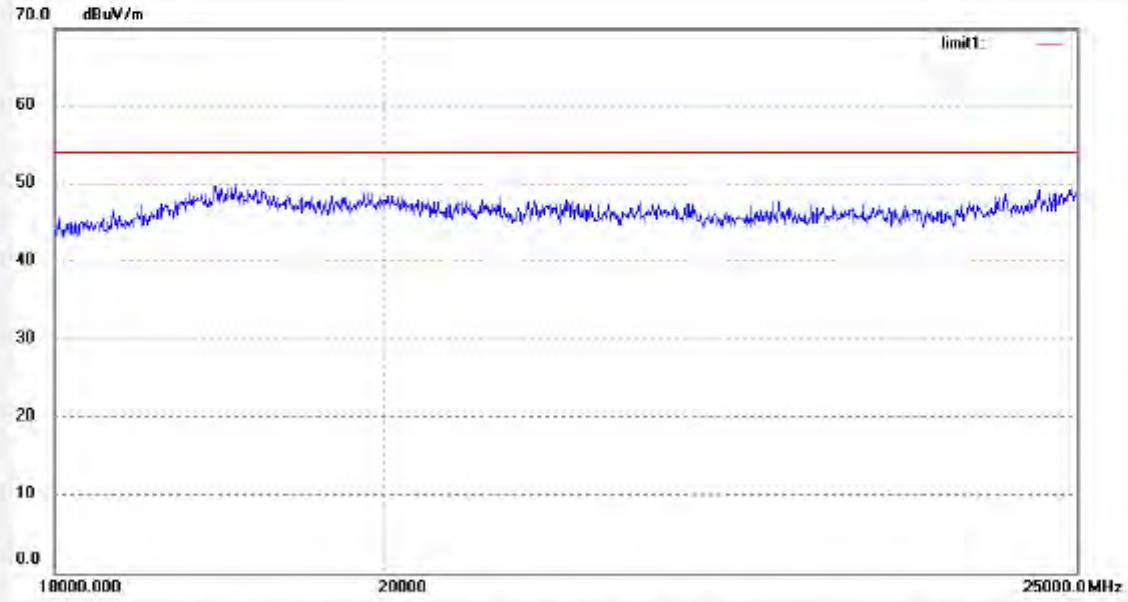


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: joe #1555	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 7.4V
Test item: Radiation Test	Date: 2011/08/31
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 15:38:24
EUT: MID	Engineer Signature: Joe
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: M7000XX	
Manufacturer: Shenzhen Sungworld Electronics Co., LTD.	

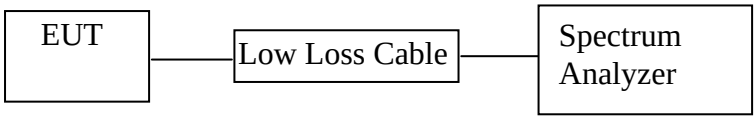
Note: Sample No.:1101801 Report No.:ATE20111831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

10. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

10.1. Block Diagram of Test Setup



(EUT: MID)

10.2. The Requirement For Section 15.247(d)

Section 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 Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

10.3. EUT Configuration on Measurement

The following equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

10.3.1. MID (EUT)

Model Number	:	M7000XX
Serial Number	:	N/A
Manufacturer	:	Shenzhen Sungworld Electronics Co., Ltd.

10.4.Operating Condition of EUT

10.4.1.Setup the EUT and simulator as shown as Section 10.1.

10.4.2.Turn on the power of all equipment.

10.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462MHz. We select 2412MHz, 2437MHz, 2462MHz TX frequency to transmit.

10.5.Test Procedure

10.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.

10.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.

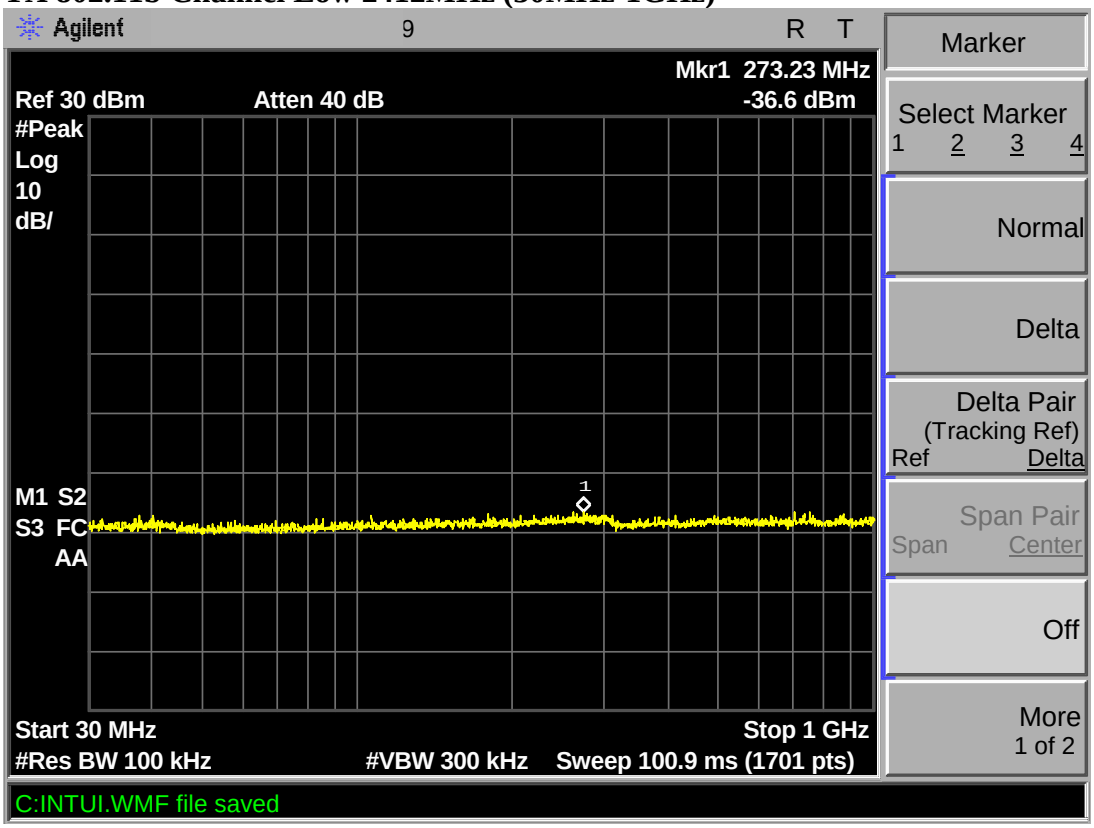
10.5.3.The Conducted Spurious Emission was measured and recorded.

10.6.Test Result

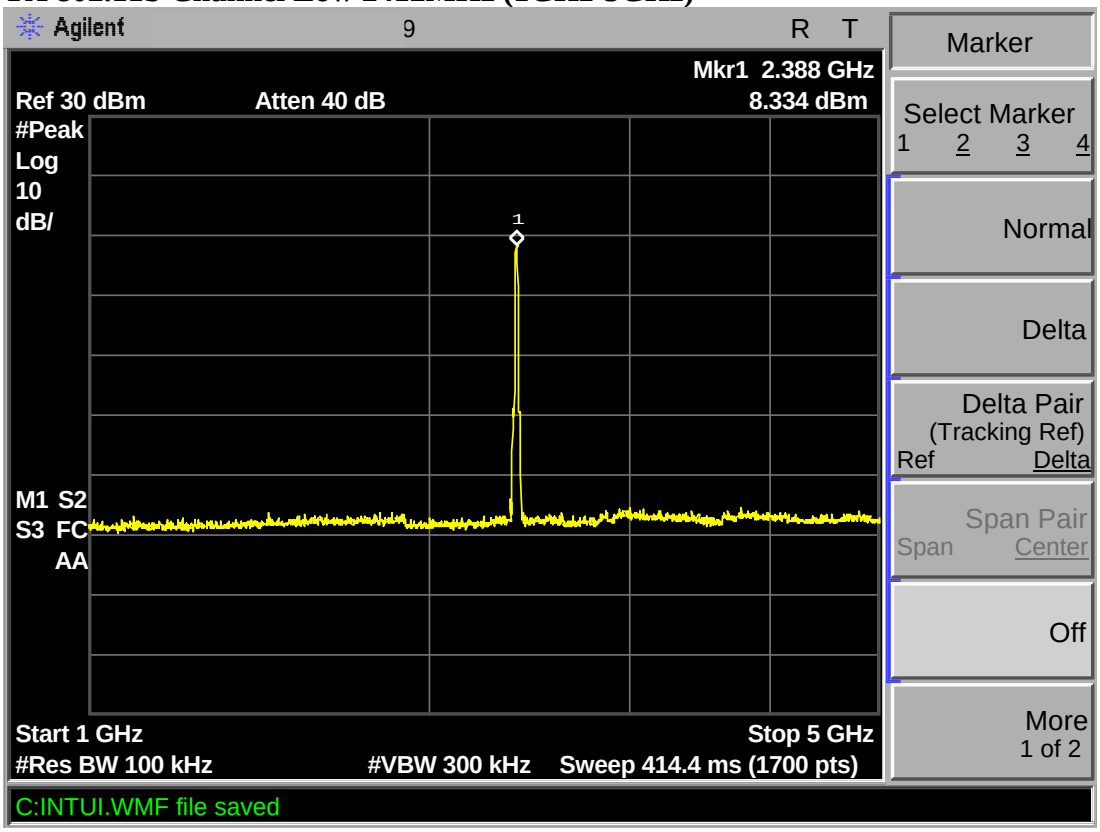
Pass.

The spectrum analyzer plots are attached as below.

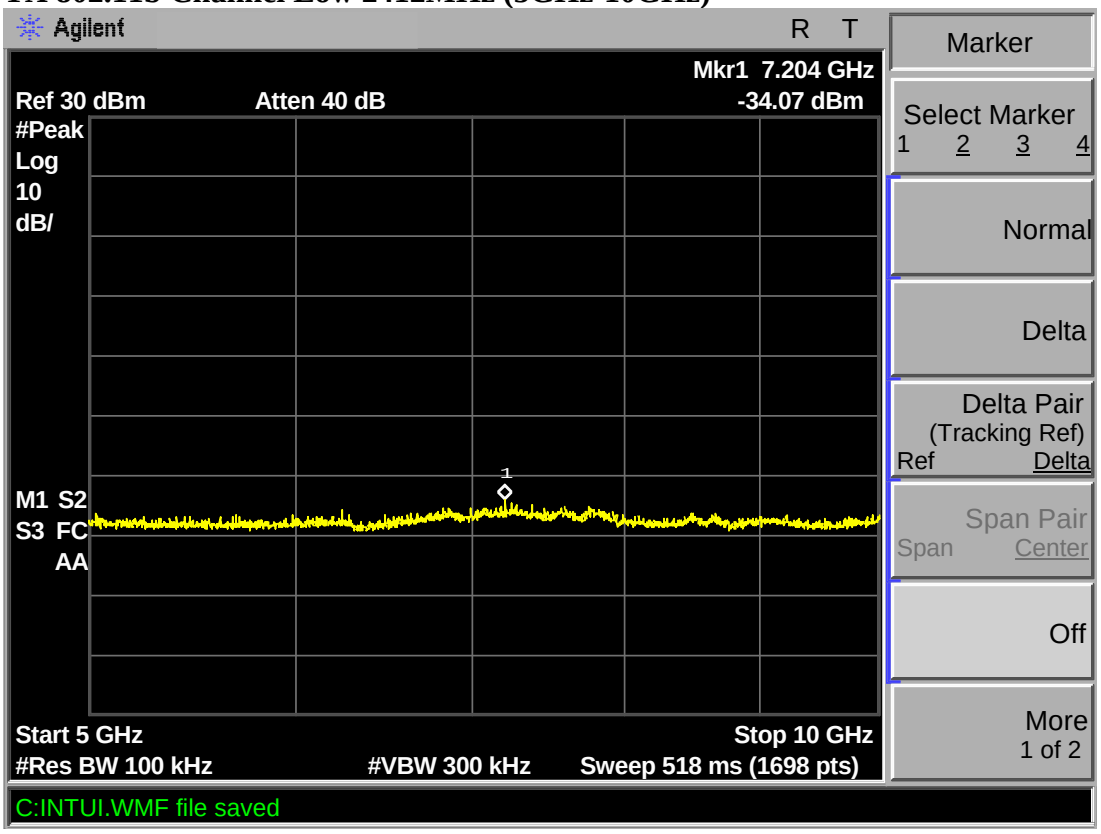
TX 802.11b Channel Low 2412MHz (30MHz-1GHz)



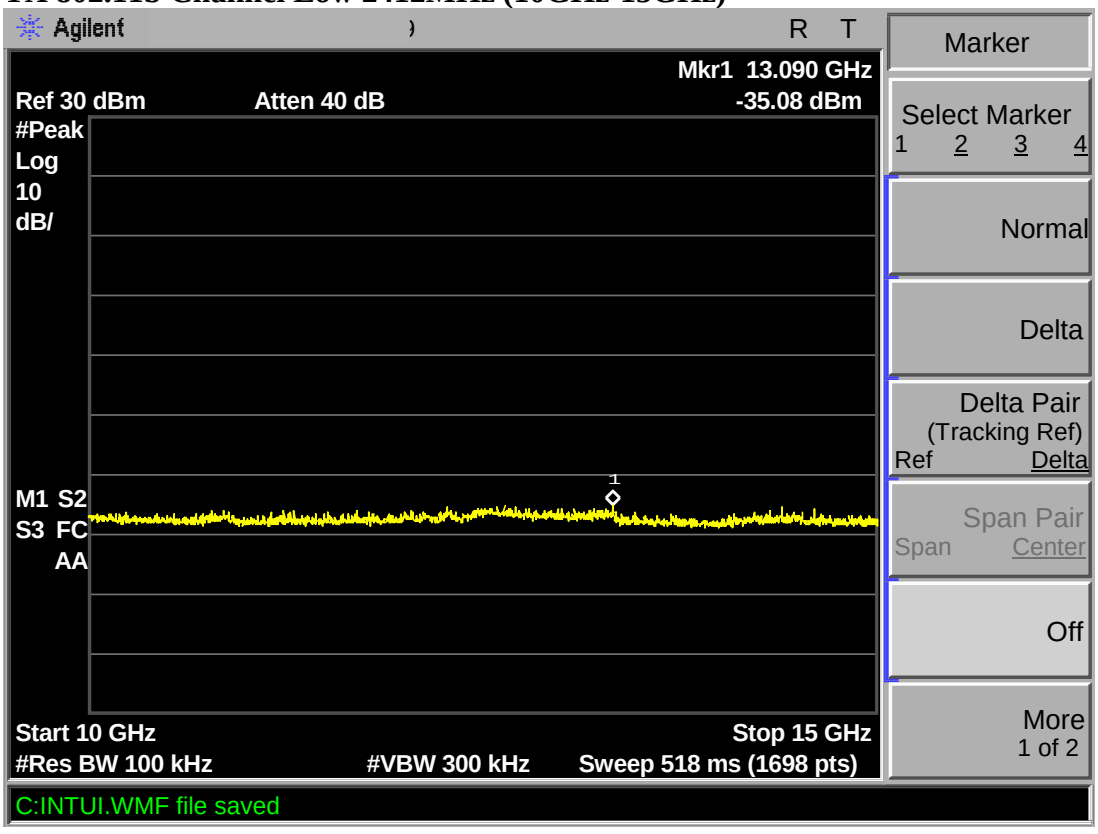
TX 802.11b Channel Low 2412MHz (1GHz-5GHz)



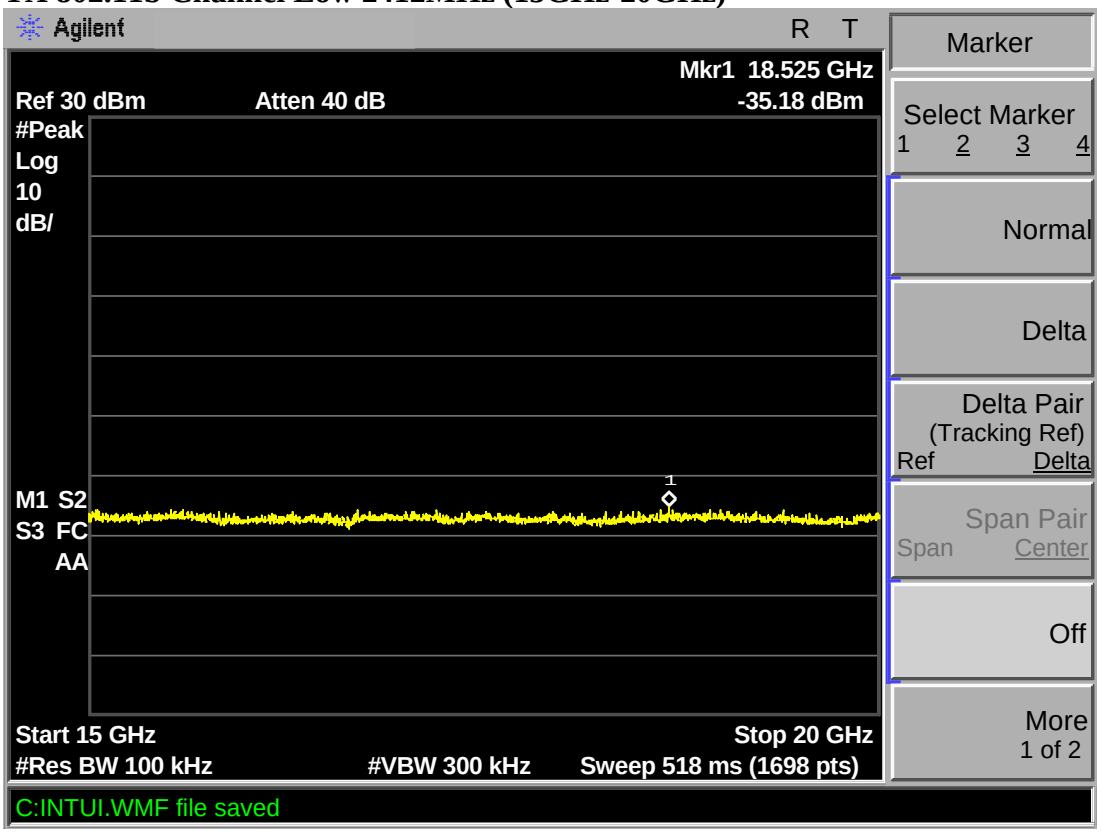
TX 802.11b Channel Low 2412MHz (5GHz-10GHz)



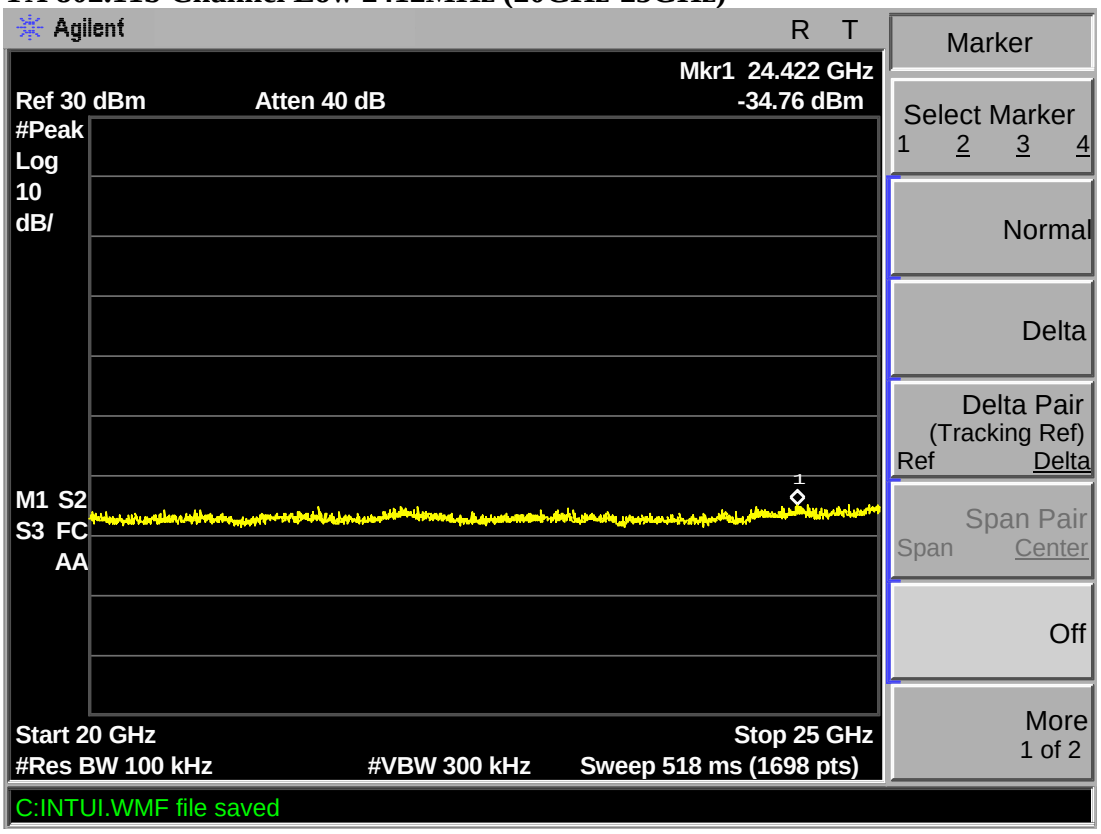
TX 802.11b Channel Low 2412MHz (10GHz-15GHz)



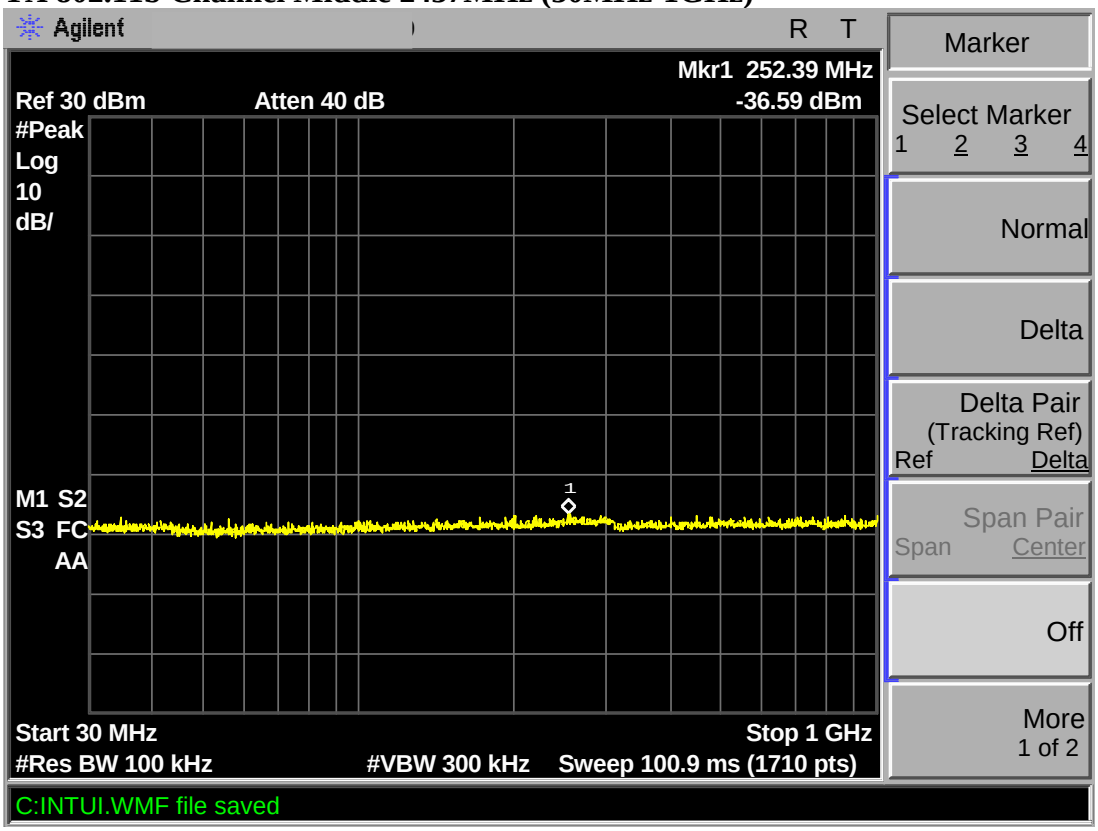
TX 802.11b Channel Low 2412MHz (15GHz-20GHz)



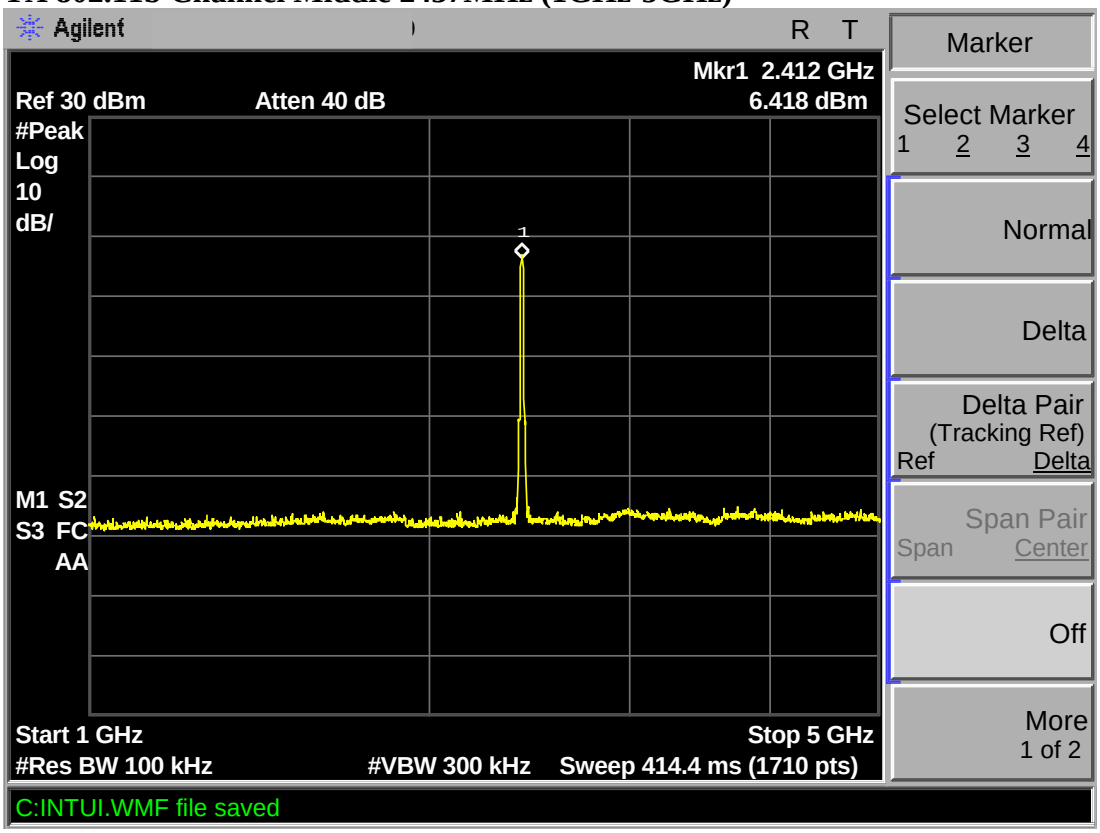
TX 802.11b Channel Low 2412MHz (20GHz-25GHz)



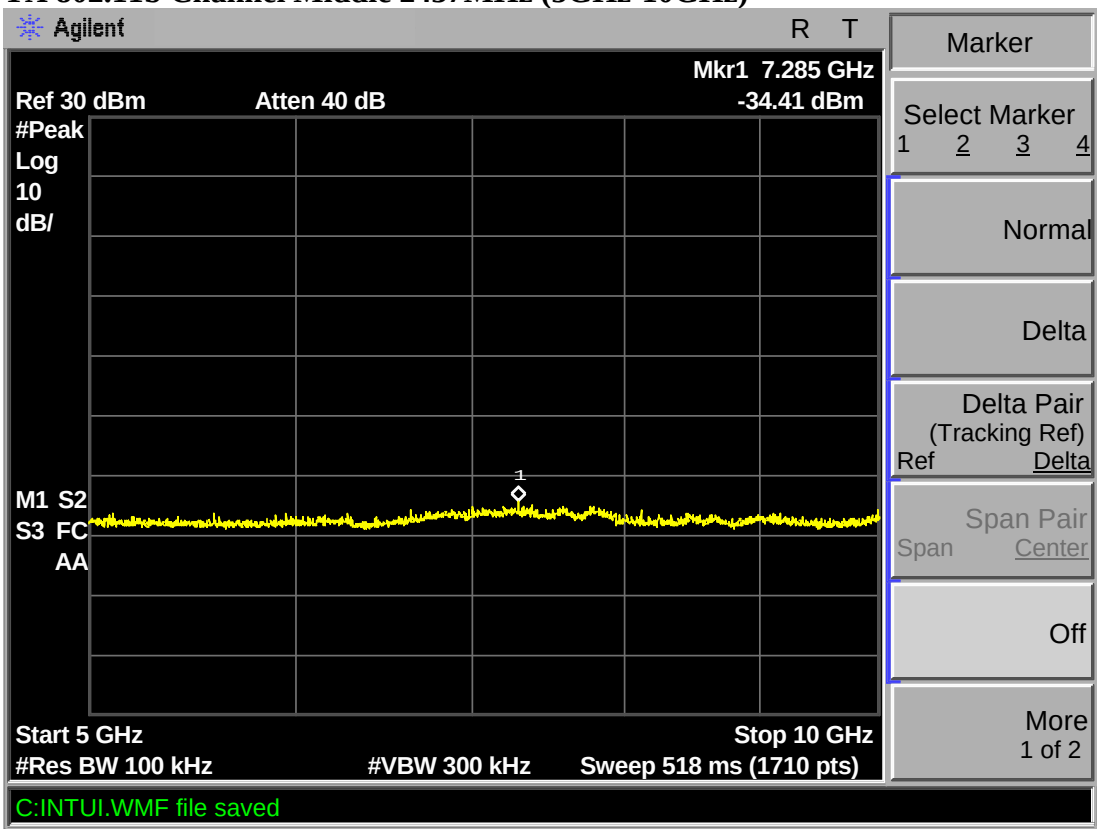
TX 802.11b Channel Middle 2437MHz (30MHz-1GHz)



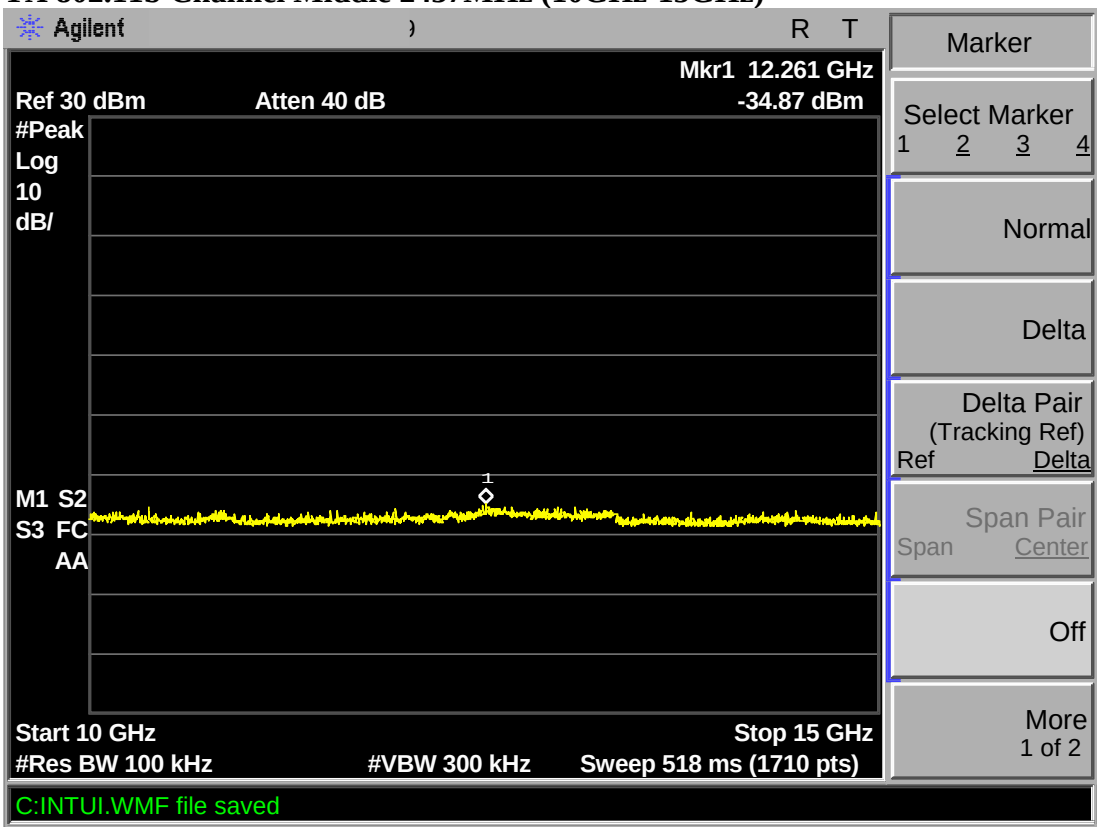
TX 802.11b Channel Middle 2437MHz (1GHz-5GHz)



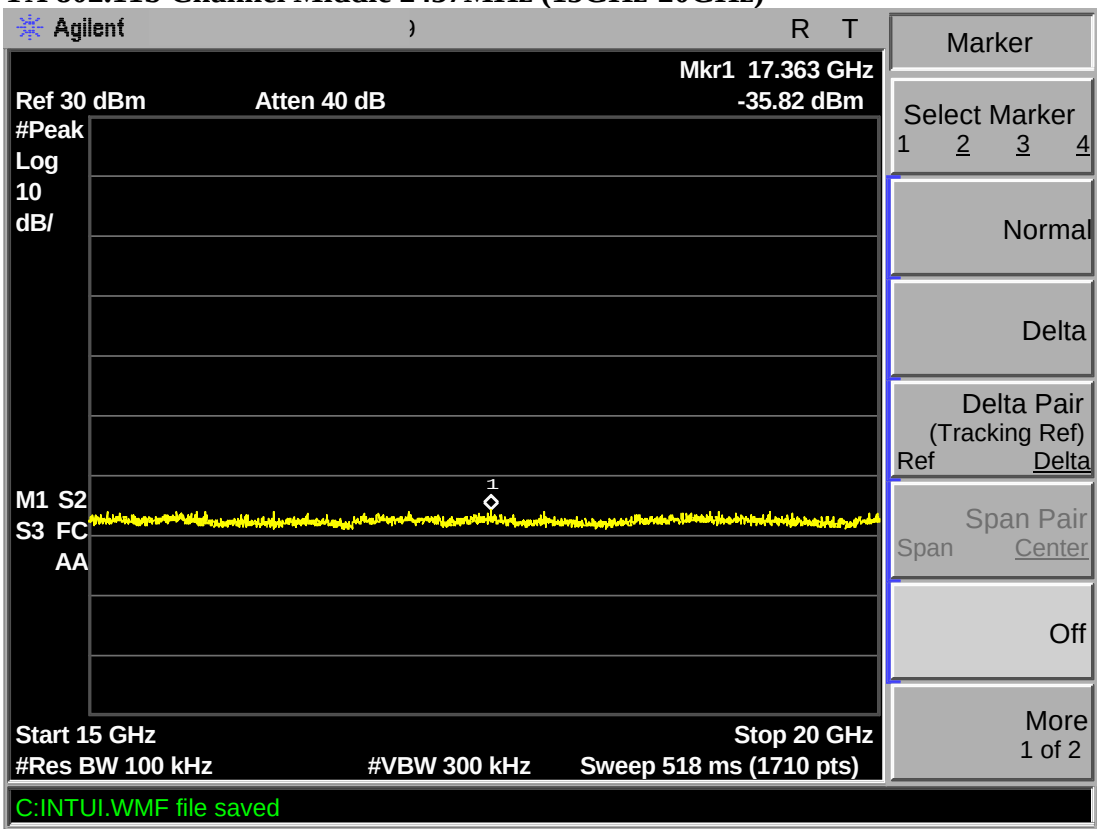
TX 802.11b Channel Middle 2437MHz (5GHz-10GHz)



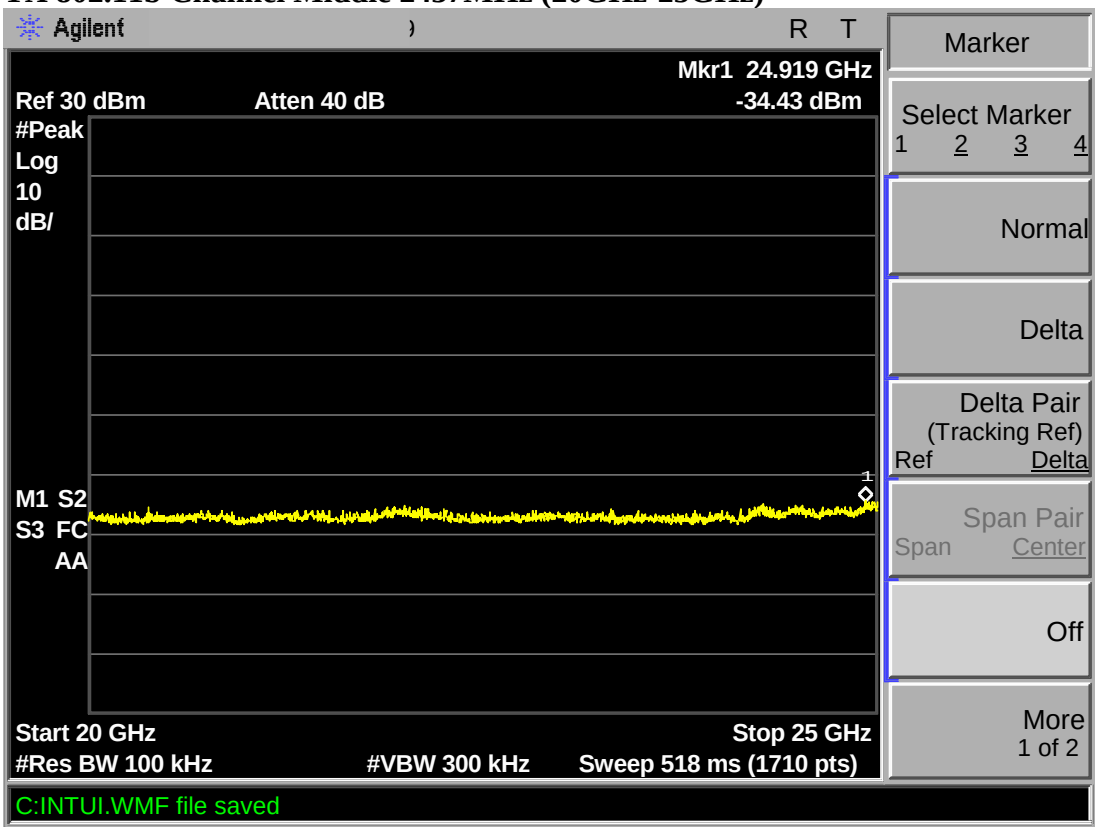
TX 802.11b Channel Middle 2437MHz (10GHz-15GHz)



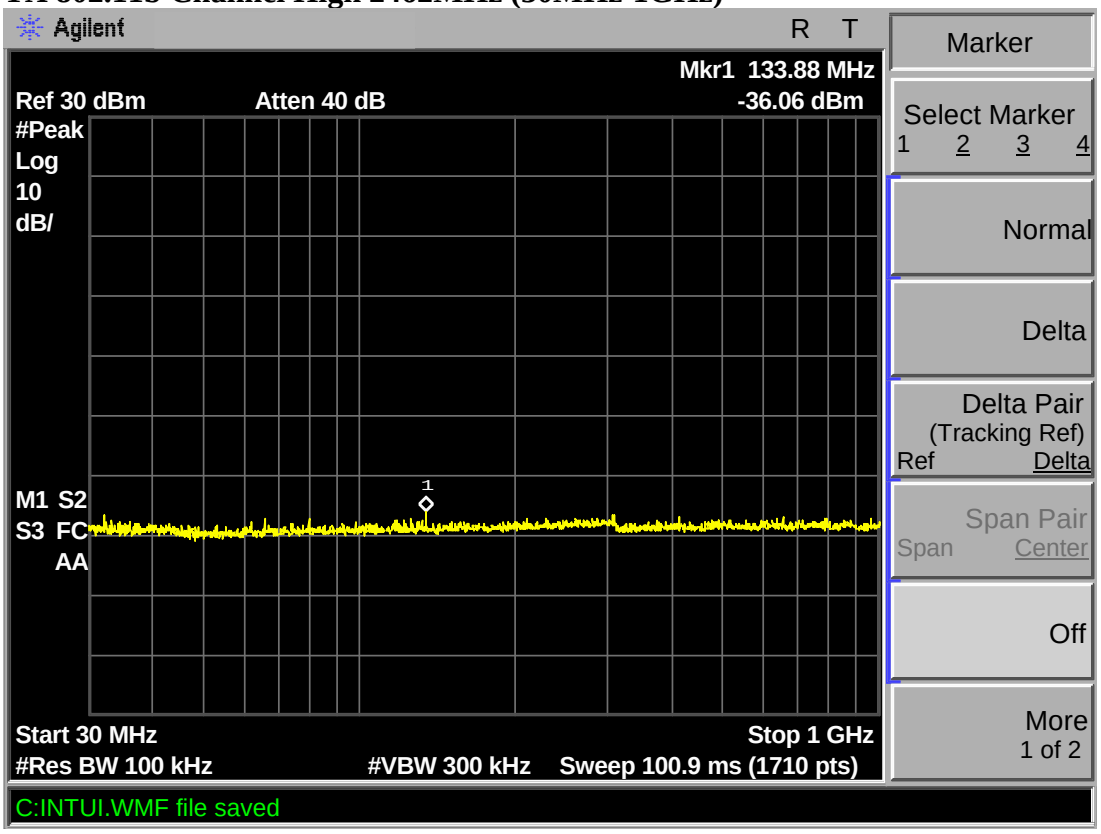
TX 802.11b Channel Middle 2437MHz (15GHz-20GHz)



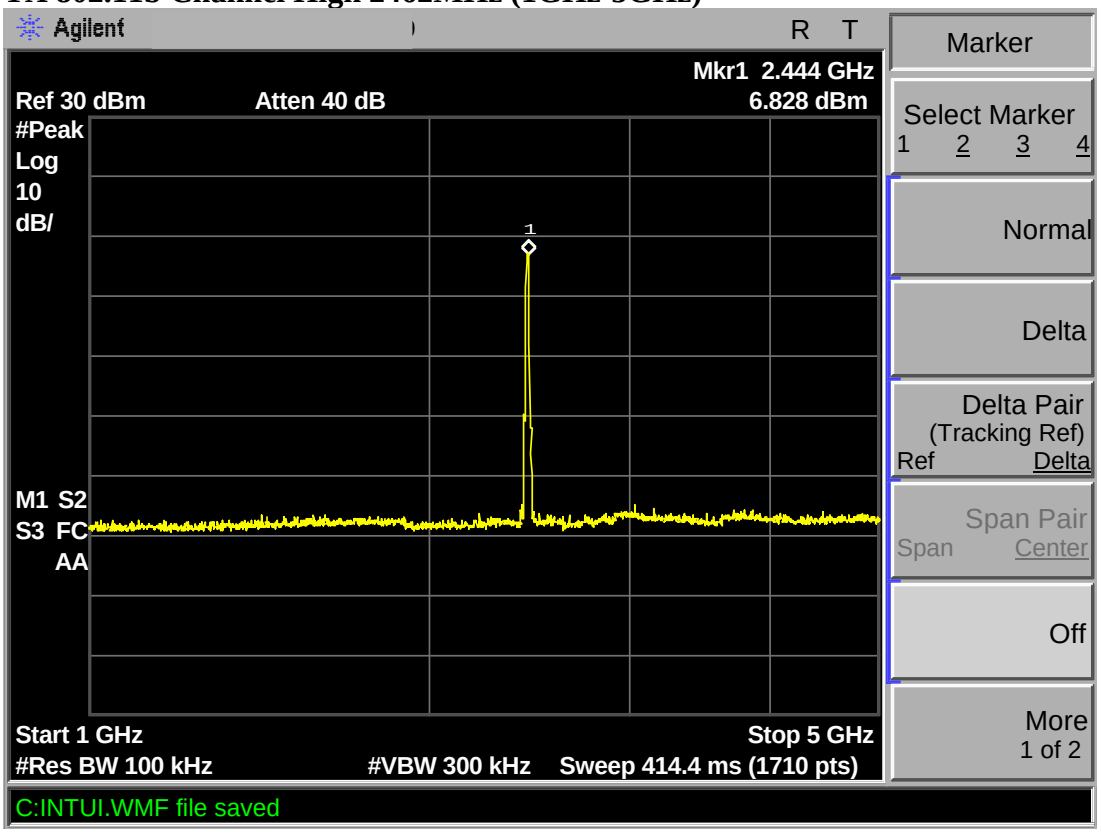
TX 802.11b Channel Middle 2437MHz (20GHz-25GHz)



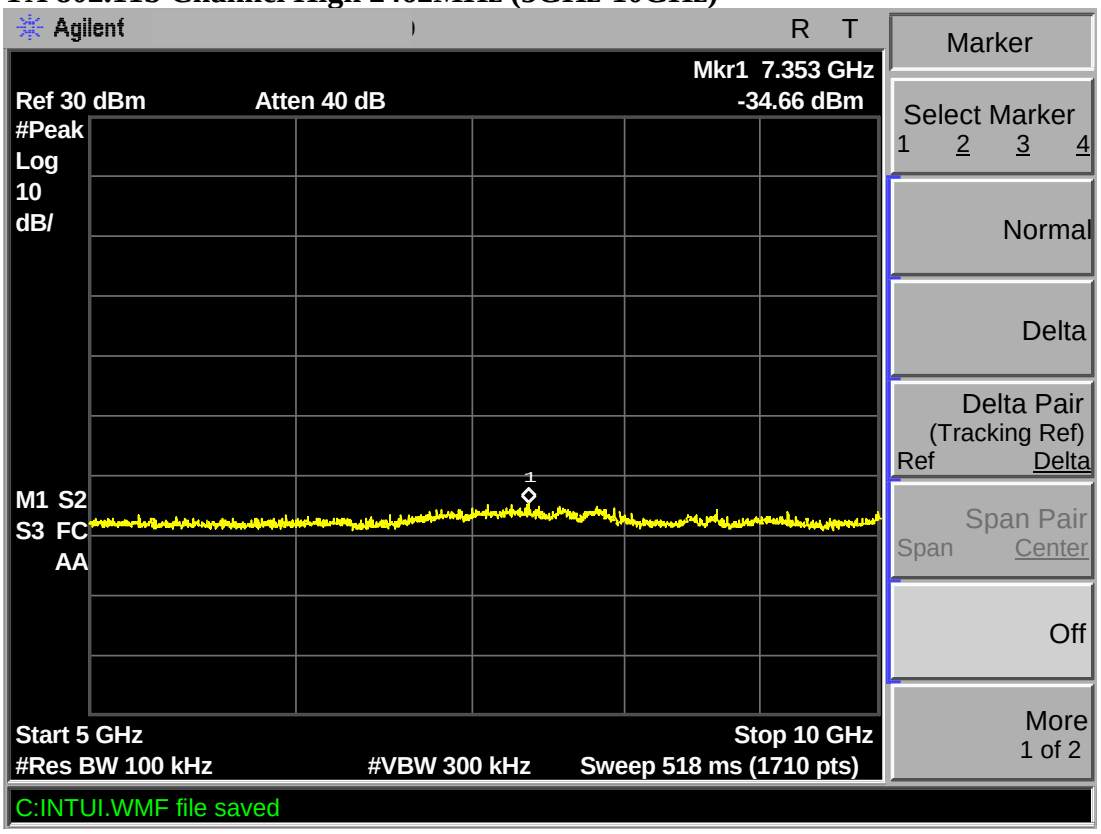
TX 802.11b Channel High 2462MHz (30MHz-1GHz)



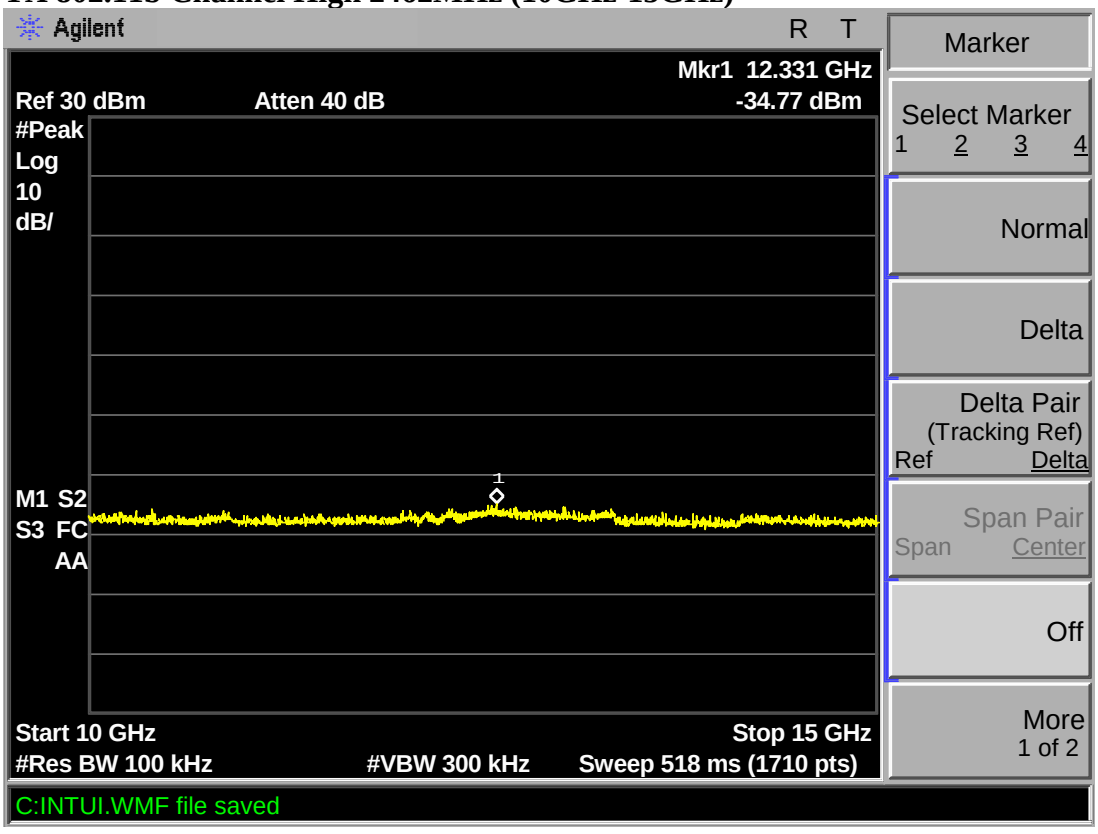
TX 802.11b Channel High 2462MHz (1GHz-5GHz)



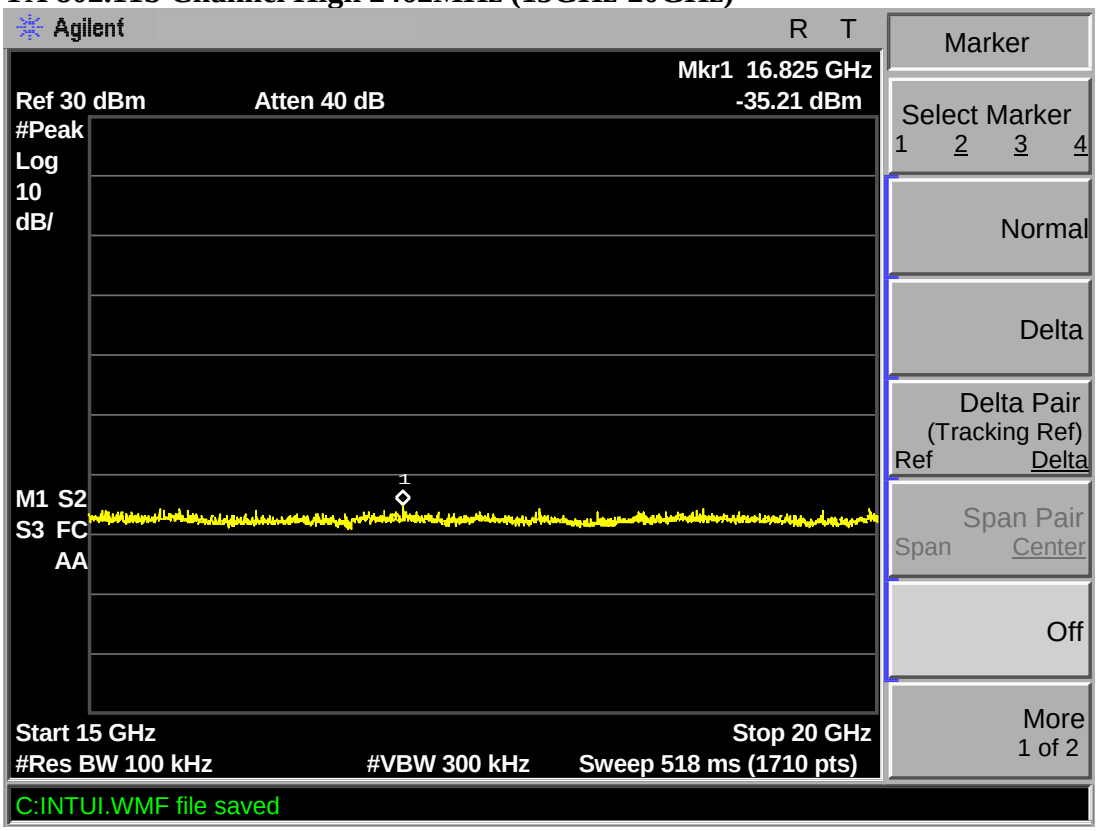
TX 802.11b Channel High 2462MHz (5GHz-10GHz)



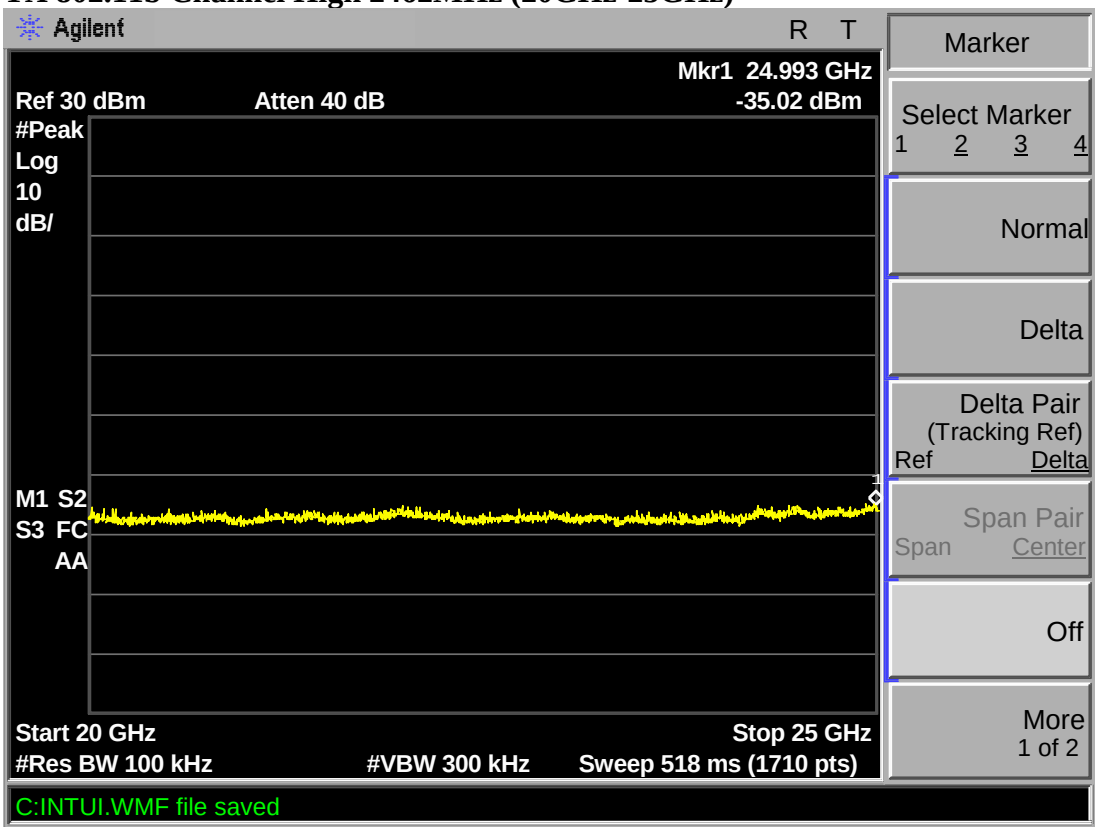
TX 802.11b Channel High 2462MHz (10GHz-15GHz)



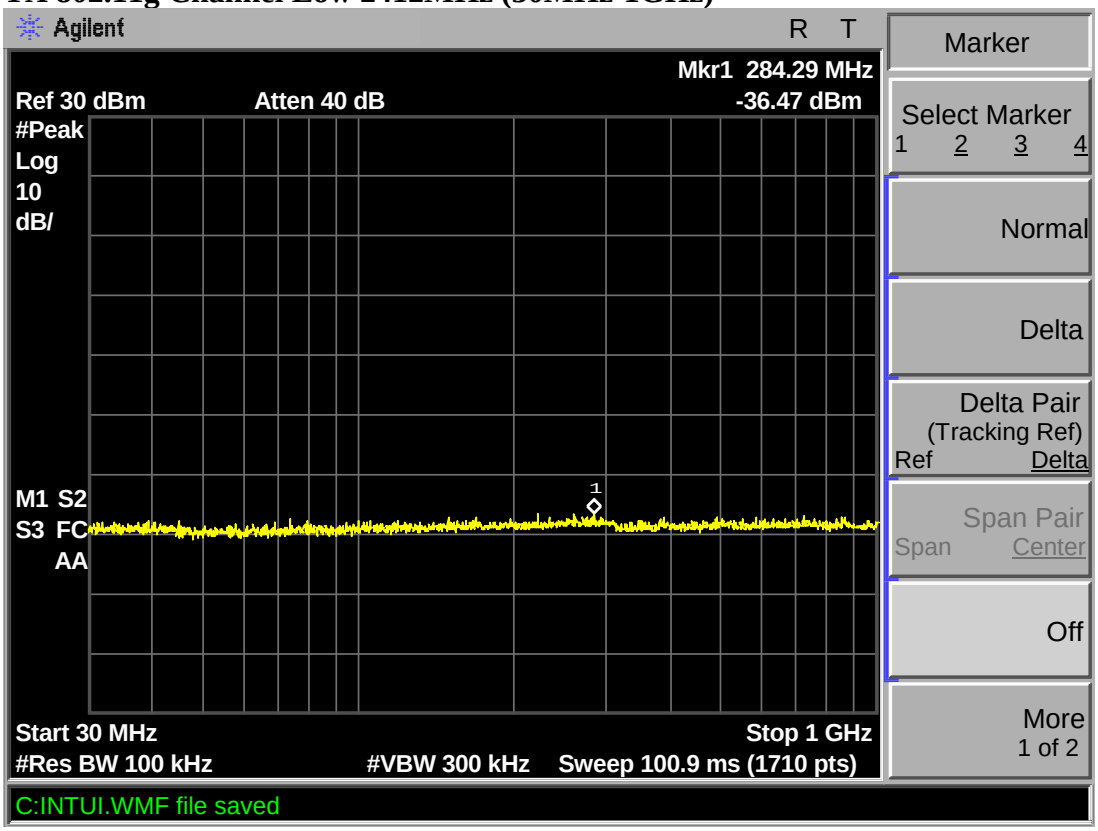
TX 802.11b Channel High 2462MHz (15GHz-20GHz)



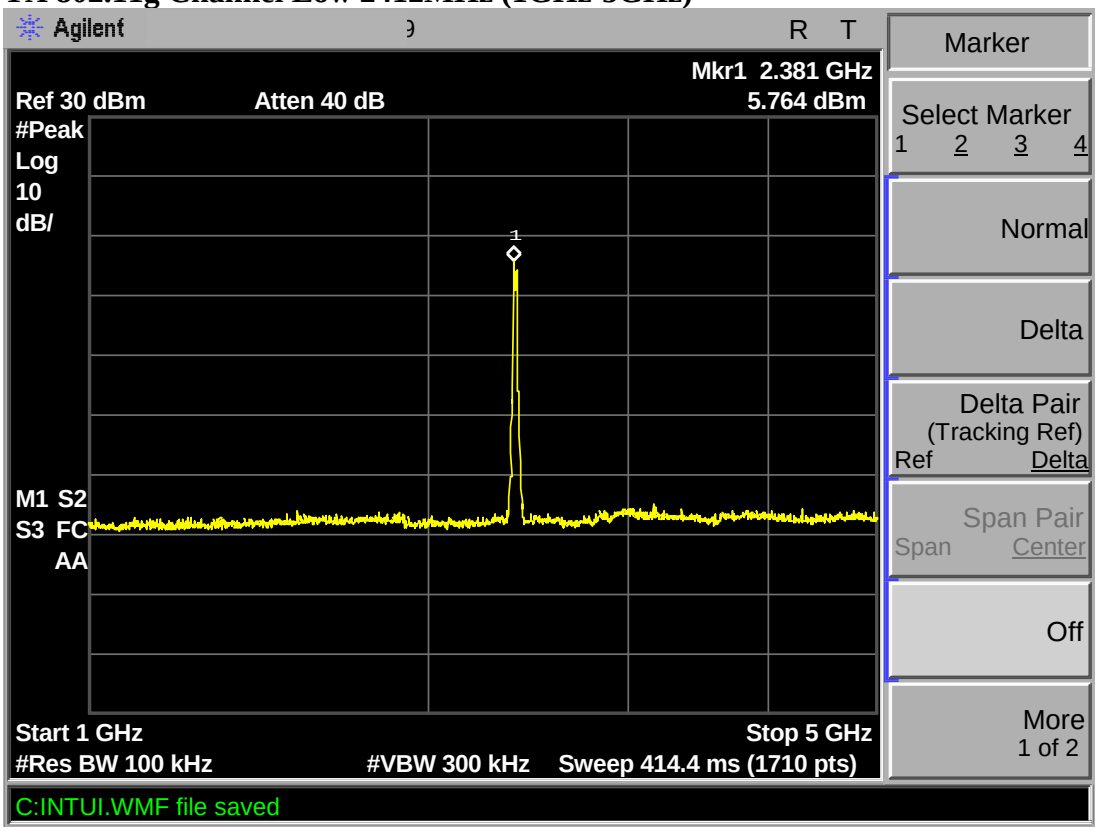
TX 802.11b Channel High 2462MHz (20GHz-25GHz)



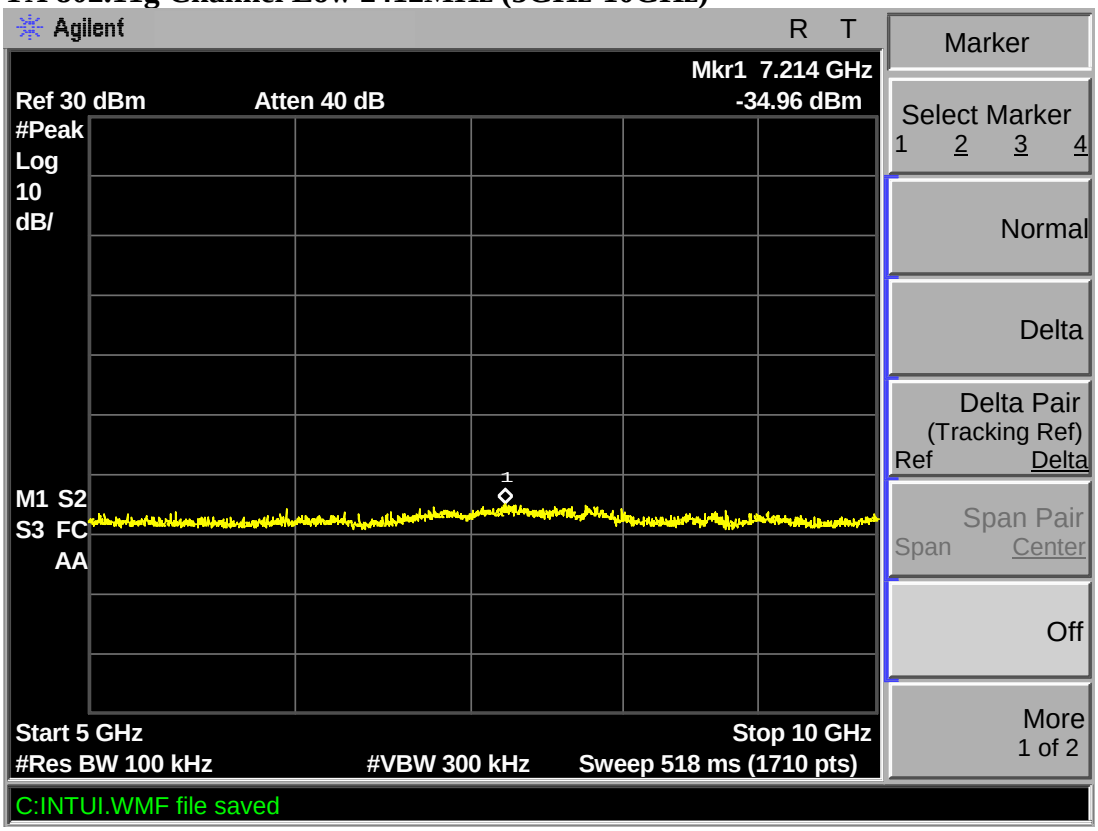
TX 802.11g Channel Low 2412MHz (30MHz-1GHz)



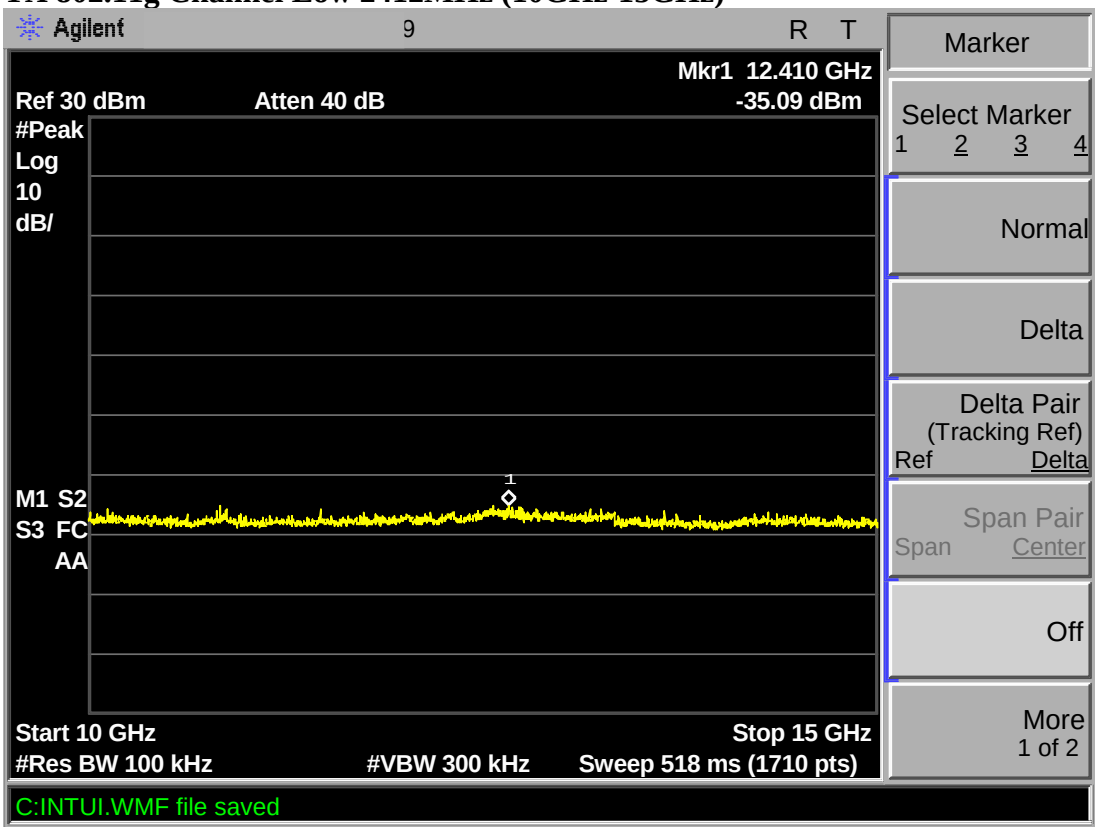
TX 802.11g Channel Low 2412MHz (1GHz-5GHz)



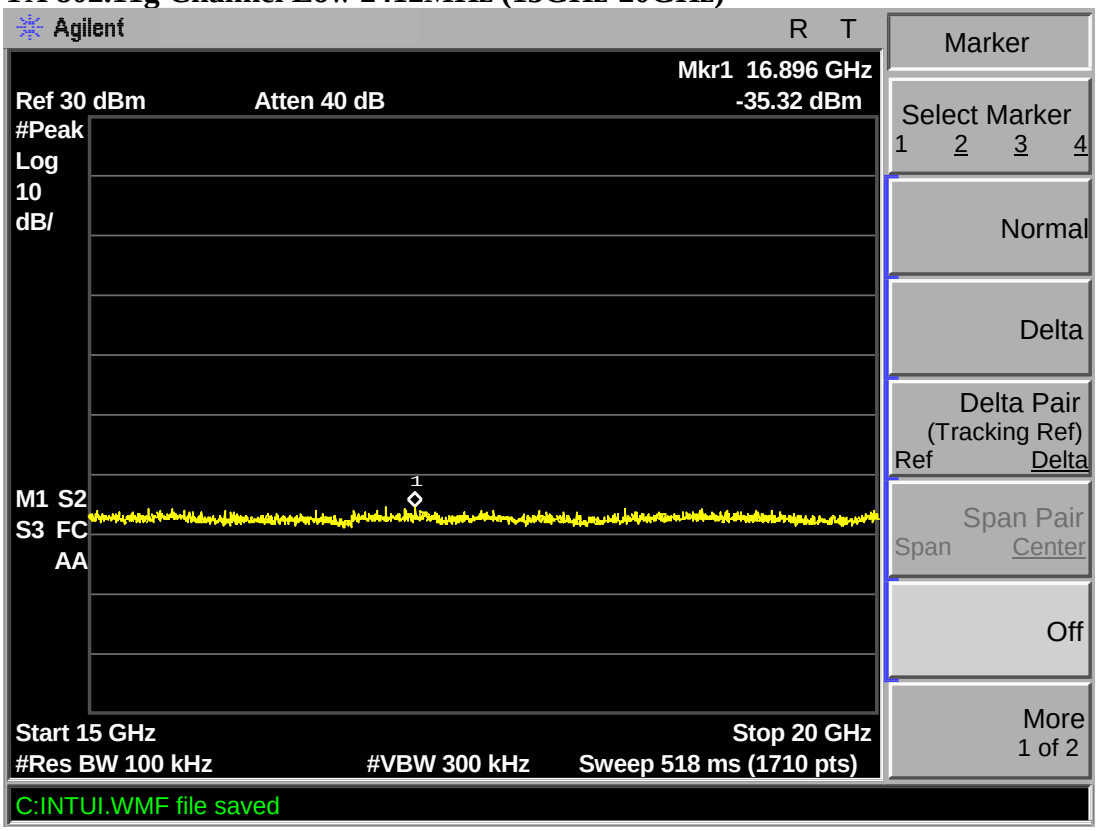
TX 802.11g Channel Low 2412MHz (5GHz-10GHz)



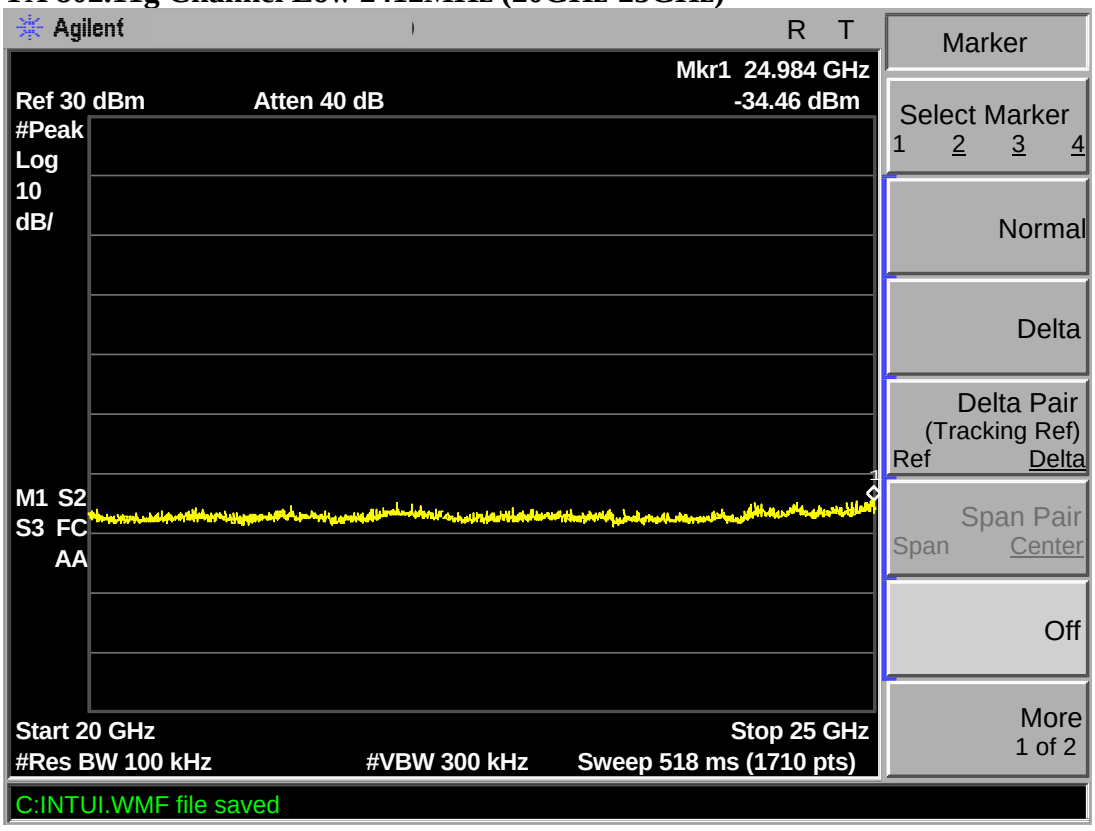
TX 802.11g Channel Low 2412MHz (10GHz-15GHz)



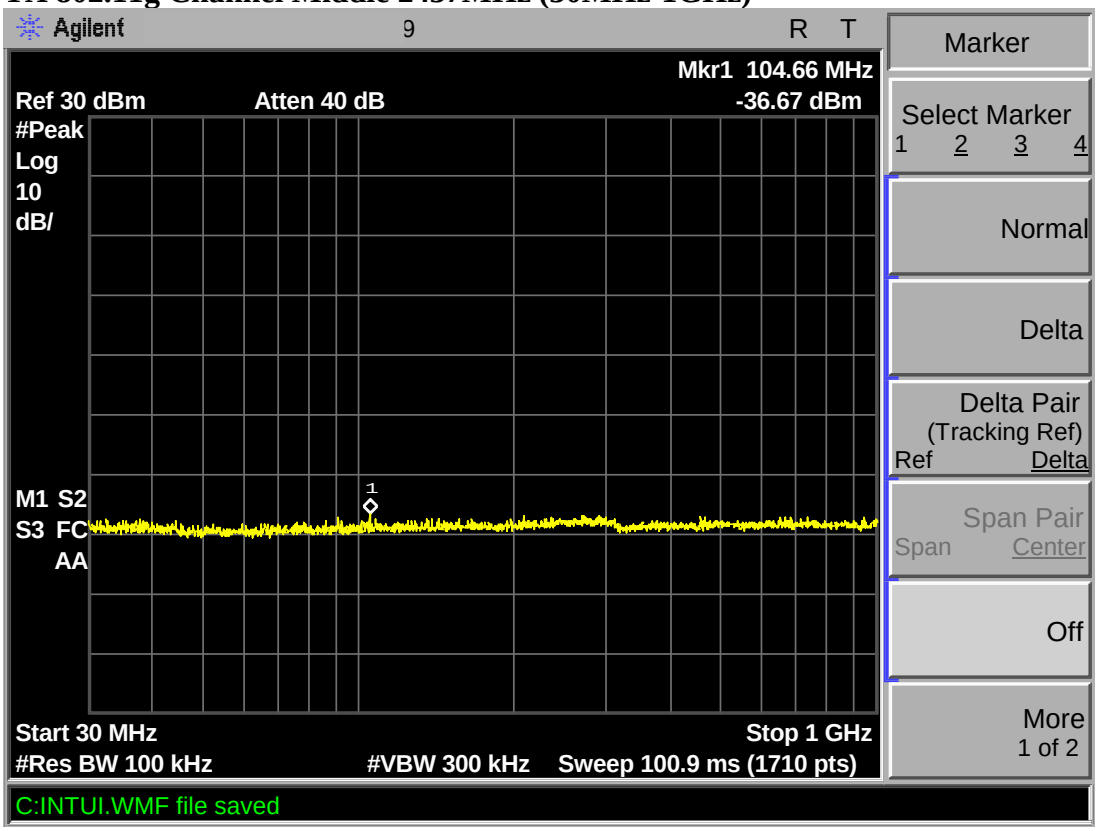
TX 802.11g Channel Low 2412MHz (15GHz-20GHz)



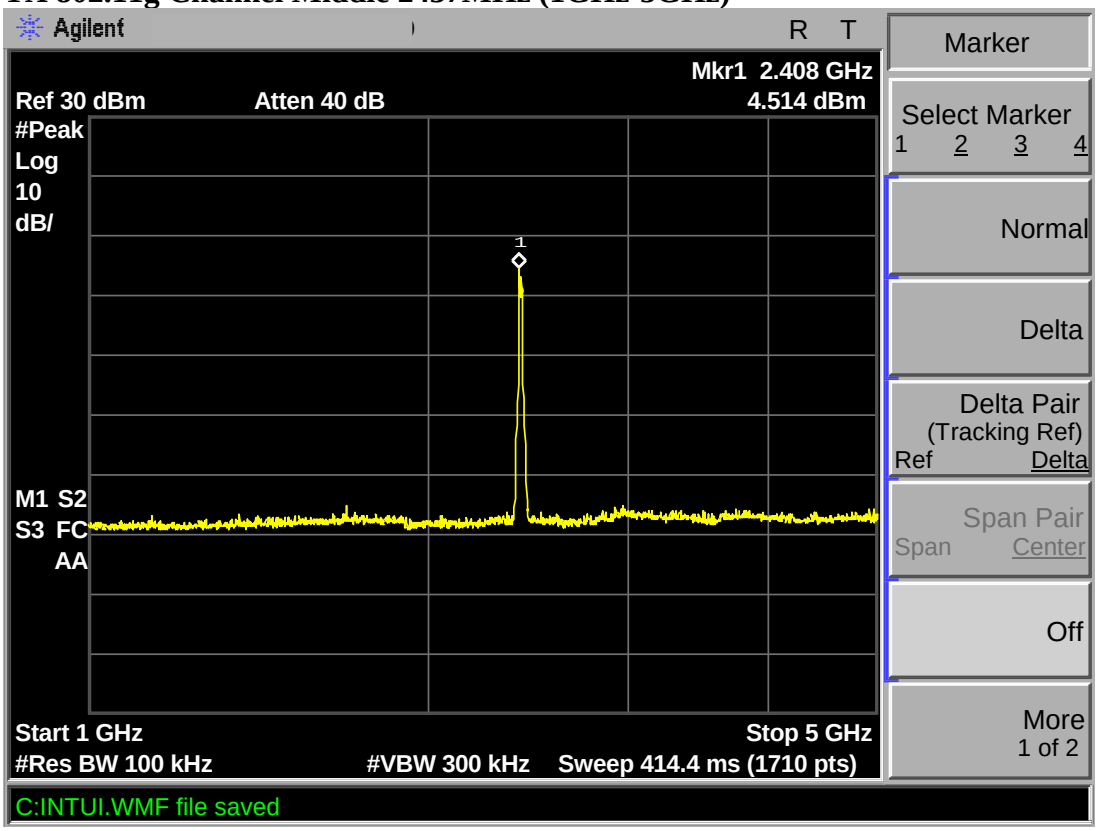
TX 802.11g Channel Low 2412MHz (20GHz-25GHz)



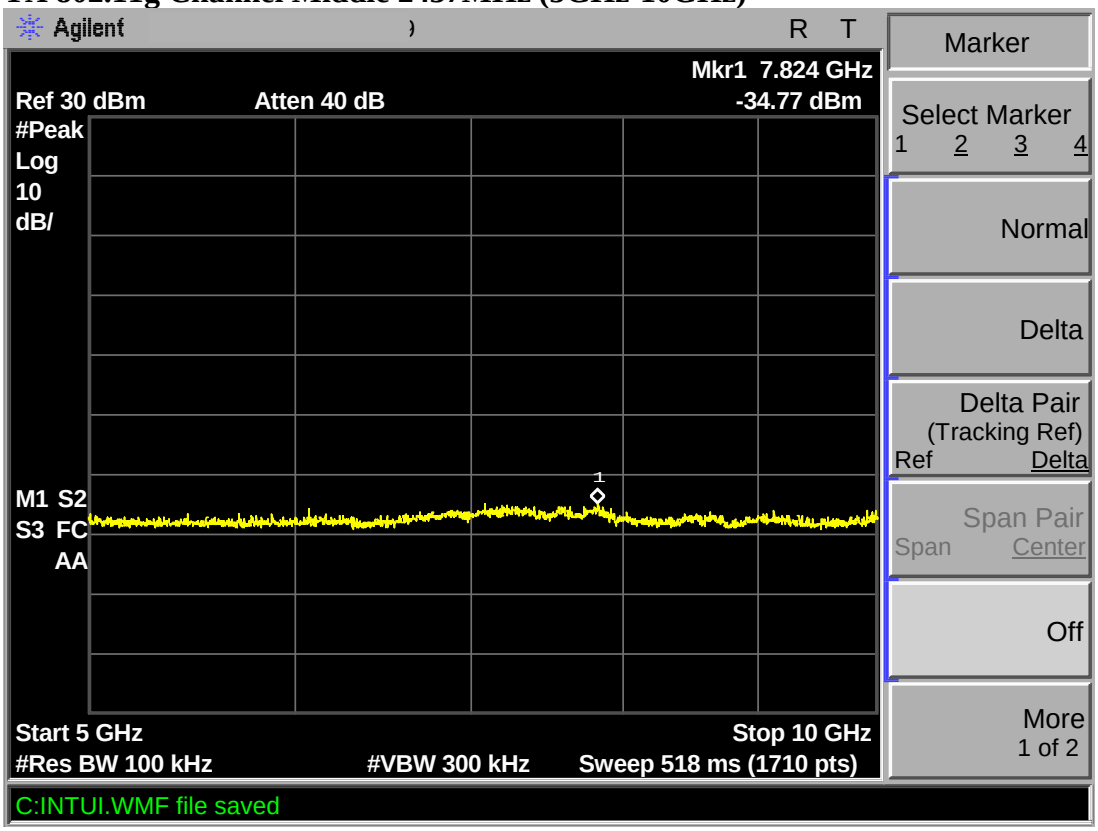
TX 802.11g Channel Middle 2437MHz (30MHz-1GHz)



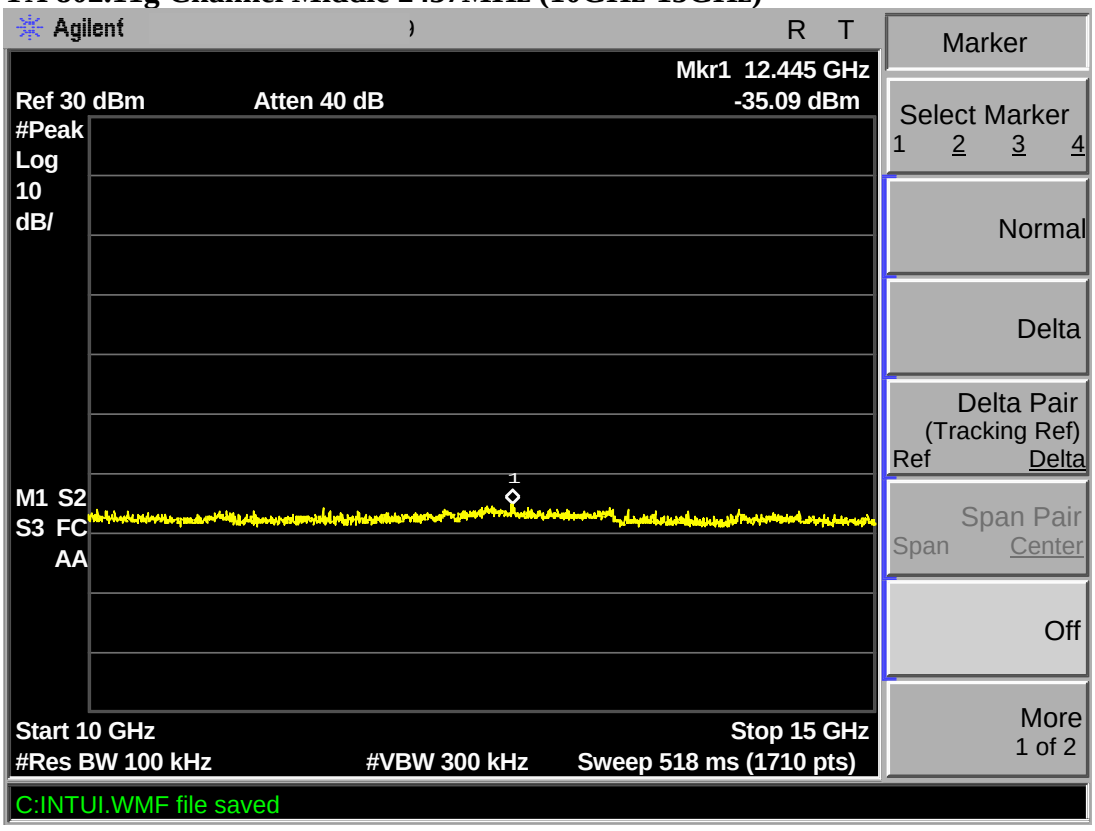
TX 802.11g Channel Middle 2437MHz (1GHz-5GHz)



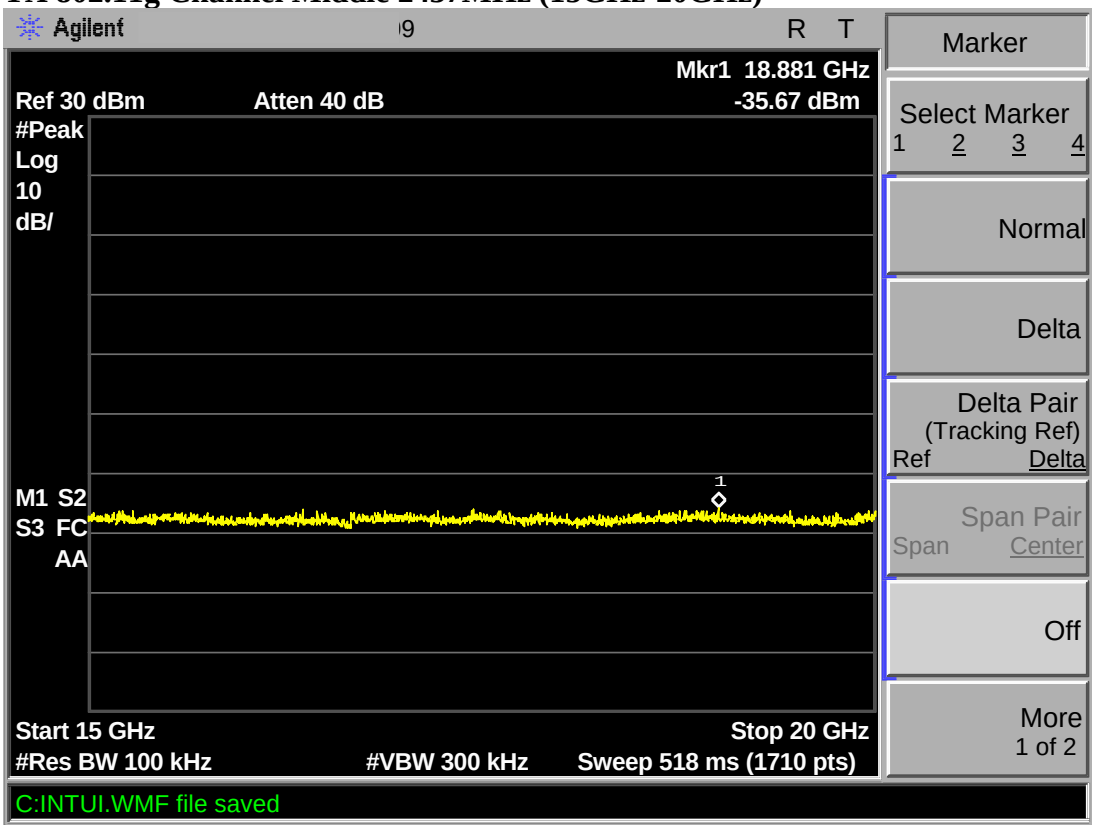
TX 802.11g Channel Middle 2437MHz (5GHz-10GHz)



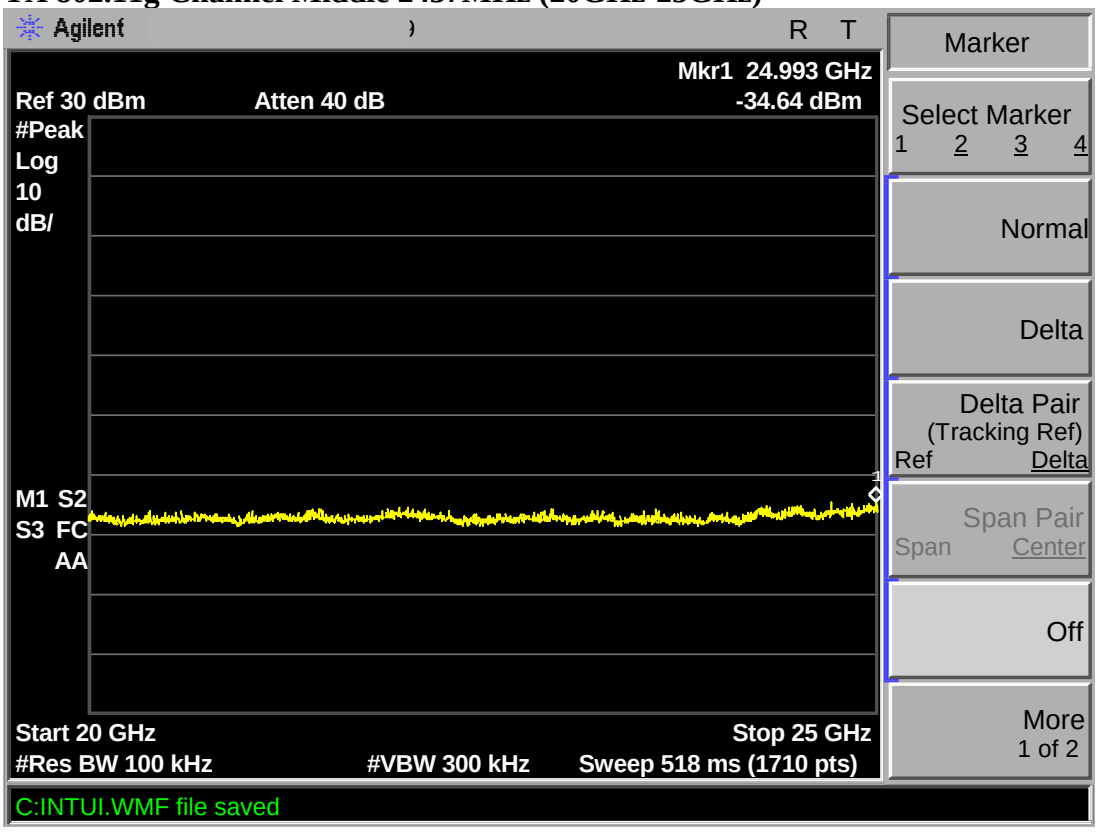
TX 802.11g Channel Middle 2437MHz (10GHz-15GHz)



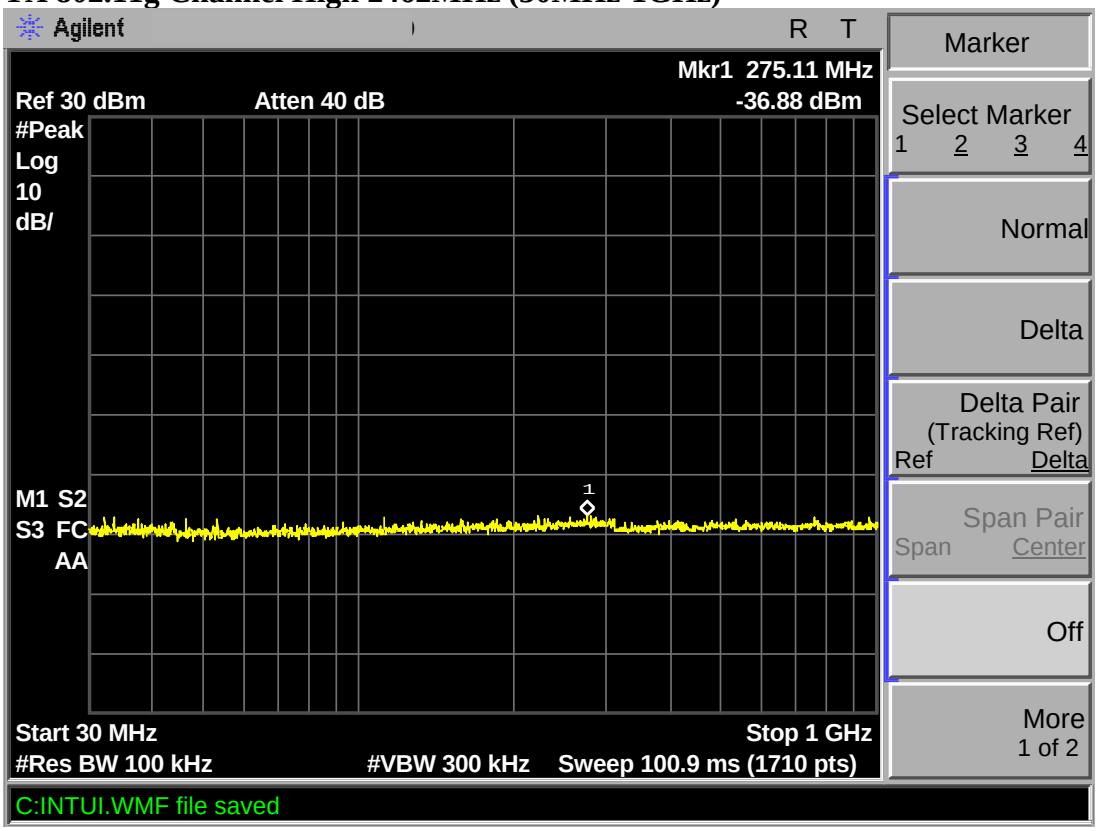
TX 802.11g Channel Middle 2437MHz (15GHz-20GHz)



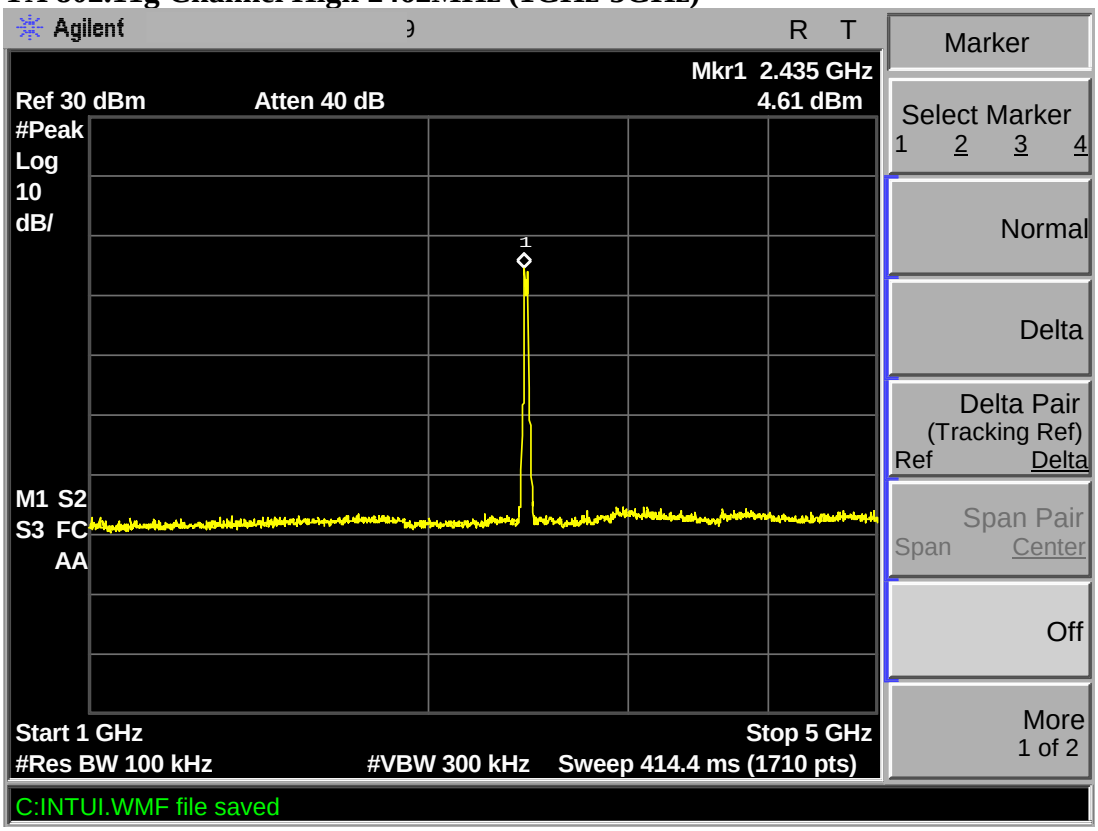
TX 802.11g Channel Middle 2437MHz (20GHz-25GHz)



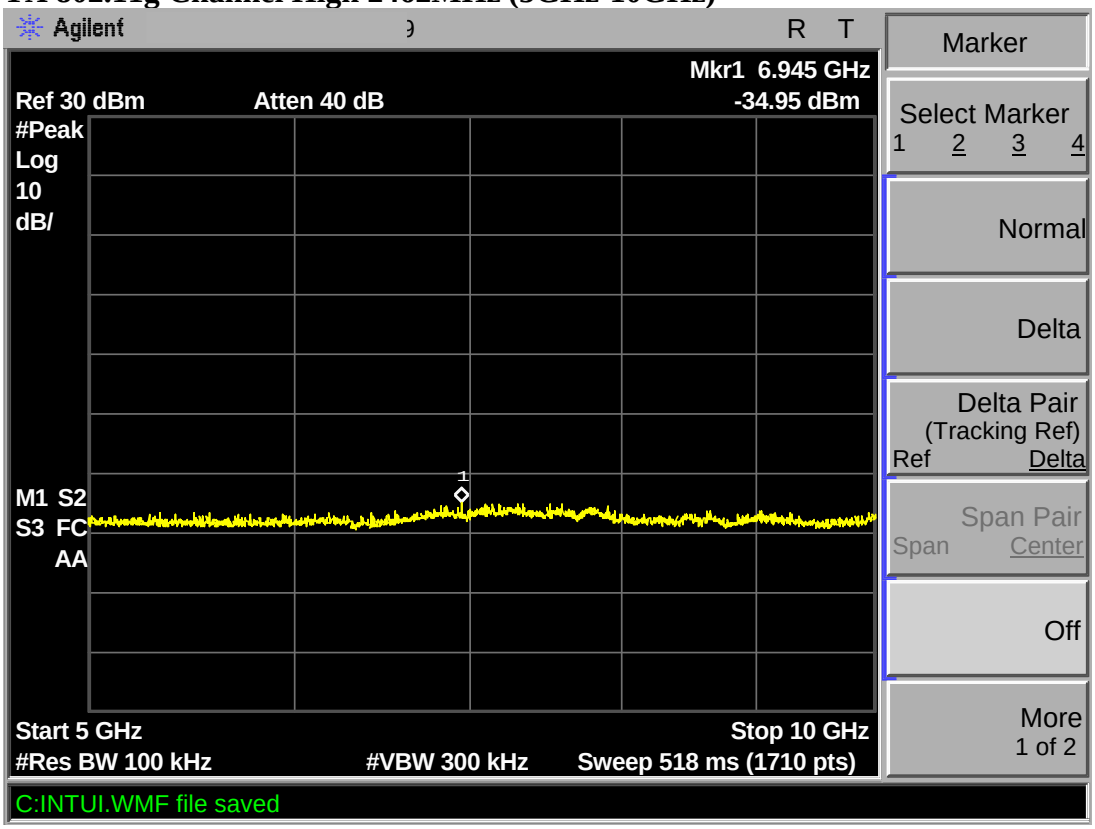
TX 802.11g Channel High 2462MHz (30MHz-1GHz)



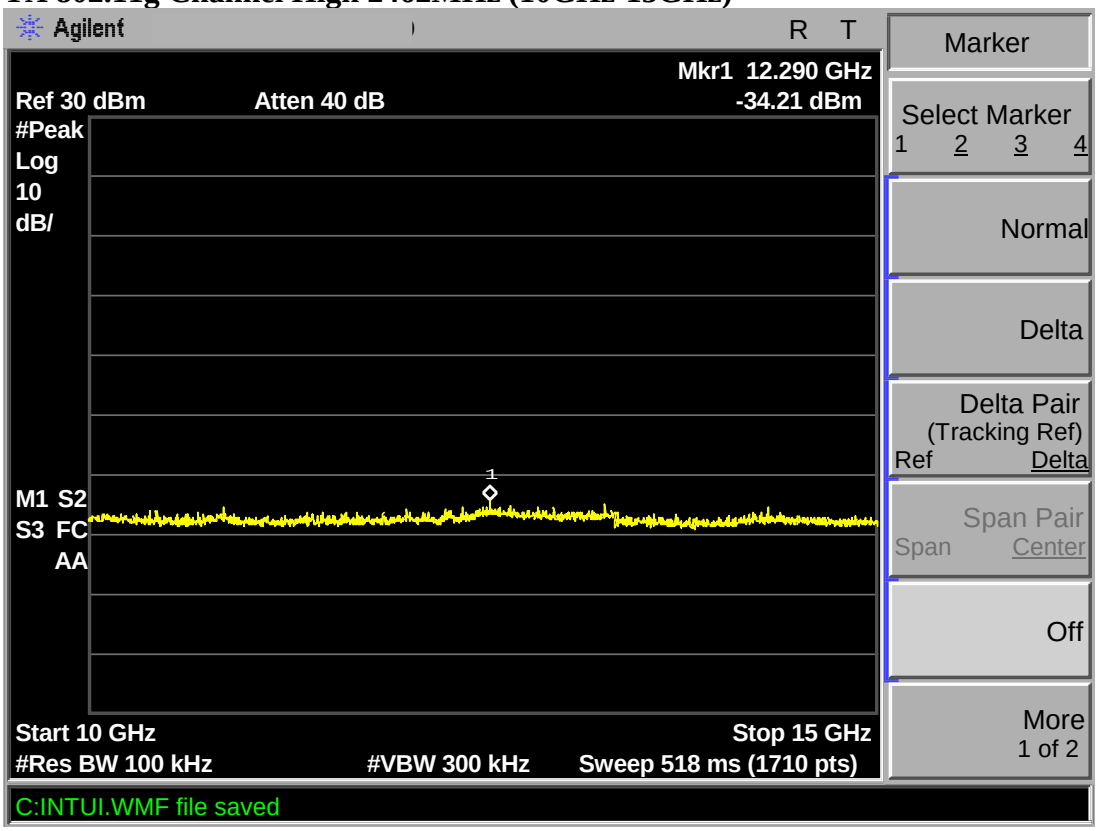
TX 802.11g Channel High 2462MHz (1GHz-5GHz)



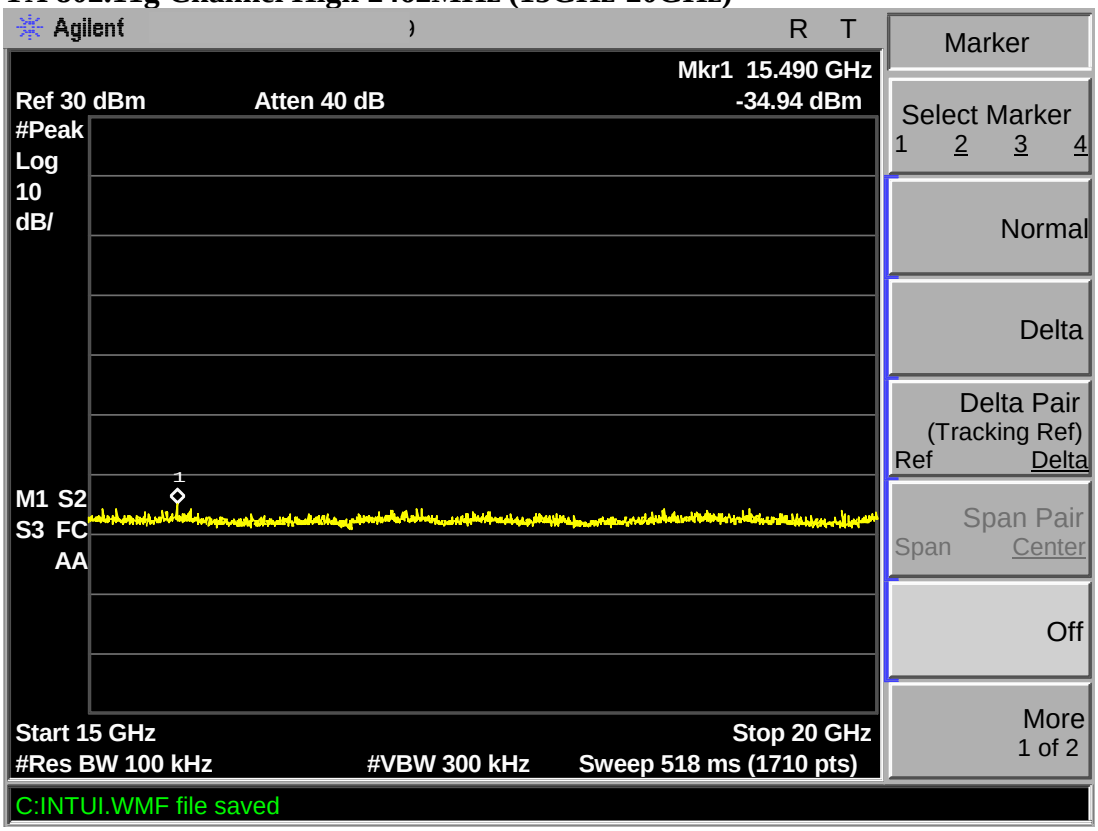
TX 802.11g Channel High 2462MHz (5GHz-10GHz)



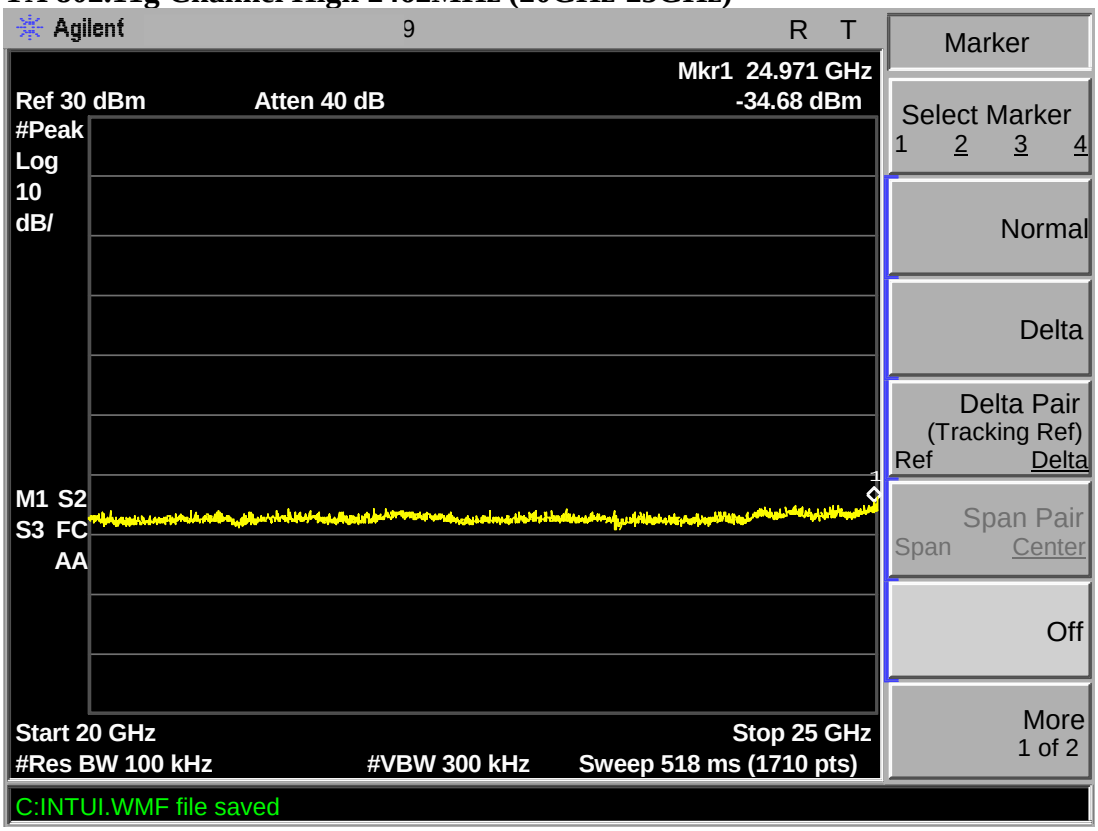
TX 802.11g Channel High 2462MHz (10GHz-15GHz)



TX 802.11g Channel High 2462MHz (15GHz-20GHz)



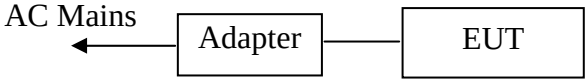
TX 802.11g Channel High 2462MHz (20GHz-25GHz)



11. AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A)

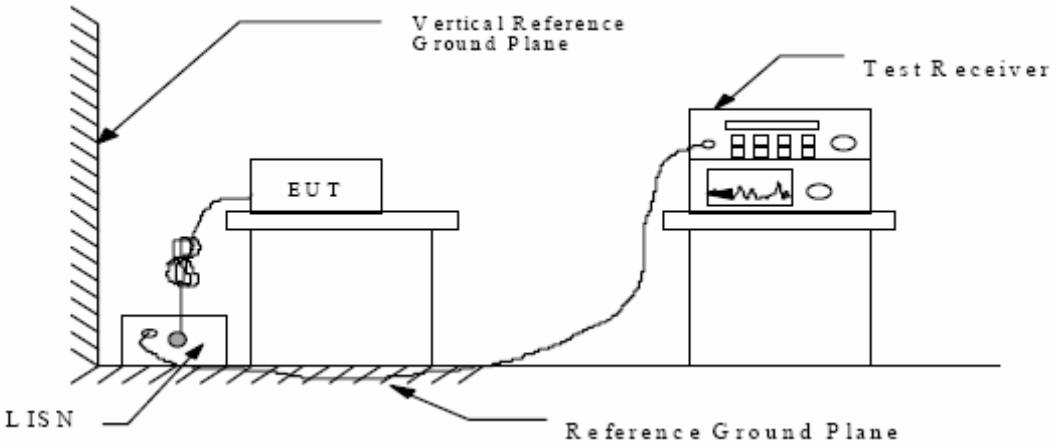
11.1. Block Diagram of Test Setup

11.1.1. Block diagram of connection between the EUT and simulators



(EUT: MID)

11.1.2. Shielding Room Test Setup Diagram



(EUT: MID)

11.2. The Emission Limit

11.2.1. Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

11.3.Configuration of EUT on Measurement

The following equipment are installed on the Conducted Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

11.3.1.MID (EUT)

Model Number	**:**	M7000XX
Serial Number	**:**	N/A
Manufacturer	**:**	Shenzhen Sungworld Electronics Co., Ltd.

11.4.Operating Condition of EUT

11.4.1.Setup the EUT and simulator as shown as Section 11.1.

11.4.2.Turn on the power of all equipment.

11.4.3.Let the EUT work in TX (802.11b Channel Middle, 802.11g Channel Middle) mode measure it.

11.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2003 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

11.6.Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Date of Test:	August 29, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	AC 120V/60Hz
Test Mode:	TX 802.11b Channel Middle	Test Engineer:	Pei

Frequency (MHz)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector	Line
0.500809	49.10	56	-6.9	QP	Neutral
0.941021	47.30	56	-8.7	QP	
1.922798	46.30	56	-9.7	QP	
0.479294	40.40	46.4	-6.0	AV	
0.506843	38.90	46	-7.1	AV	
0.941021	34.80	46	-11.2	AV	
0.492876	50.20	56.1	-5.9	QP	Live
0.999091	46.20	56	-9.8	QP	
1.825557	46.20	56	-9.8	QP	
0.492876	40.40	46.1	-5.7	AV	
0.623773	35.90	46	-10.1	AV	
0.893431	35.20	46	-10.8	AV	

Emissions attenuated more than 20 dB below the permissible value are not reported.
The spectral diagrams are attached as below.

Date of Test:	August 29, 2011	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	M7000XX	Power Supply:	AC 120V/60Hz
Test Mode:	TX 802.11g Channel Middle	Test Engineer:	Pei

Frequency (MHz)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector	Line
0.487008	48.70	56.2	-7.5	QP	Neutral
0.933537	47.80	56	-8.2	QP	
1.854942	46.90	56	-9.1	QP	
0.494848	42.50	46.1	-3.6	AV	
0.861901	36.90	46	-9.1	AV	
1.854942	35.90	46	-10.1	AV	
0.487008	50.10	56.2	-6.1	QP	Live
0.941021	46.70	56	-9.3	QP	
1.922798	46.70	56	-9.3	QP	
0.487008	39.50	46.2	-6.7	AV	
0.621288	36.20	46	-9.8	AV	
1.899908	35.60	46	-10.4	AV	

Emissions attenuated more than 20 dB below the permissible value are not reported.
The spectral diagrams are attached as below.

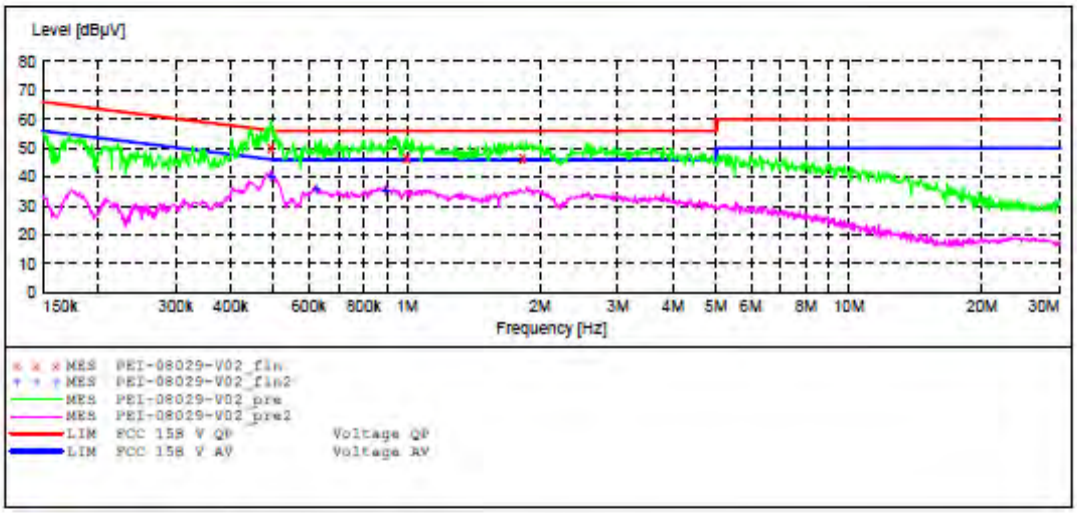
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  MID    M/N:M7000XX
Manufacturer:         Shenzhen Sungworld Electrinics Co.,LTD.
Operating Condition:  TX Channel 6 (802.11b)
Test Site:            1#Shielding Room
Operator:             PEI
Test Specification:   L 120V/60Hz
Comment:              Report No.:ATE20111831   Sample No.:1101801
Start of Test:         8/29/2011 / 7:54:09PM
```

SCAN TABLE: "V 150K-30MHz fin"

```
Short Description:              _SUB_STD_VTERM2 1.70
Start      Stop       Step      Detector  Meas.     IF       Transducer
Frequency  Frequency  Width               Time      Bandw.
150.0 kHz  30.0 MHz   0.8 %     QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                Average
```



MEASUREMENT RESULT: "PEI-0829-V02_fin"

8/29/2011 7:56PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.492876	50.20	12.0	56.1	5.9	QP	L1	GND
0.999091	46.20	11.8	56	9.8	QP	L1	GND
1.825557	46.20	11.7	56	9.8	QP	L1	GND

MEASUREMENT RESULT: "PEI-0829-V02_fin2"

8/29/2011 7:56PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.492876	40.40	12.0	46.1	5.7	AV	L1	GND
0.623773	35.90	11.9	46	10.1	AV	L1	GND
0.893431	35.20	11.9	46	10.8	AV	L1	GND

ACCURATE TECHNOLOGY CO.,LTD

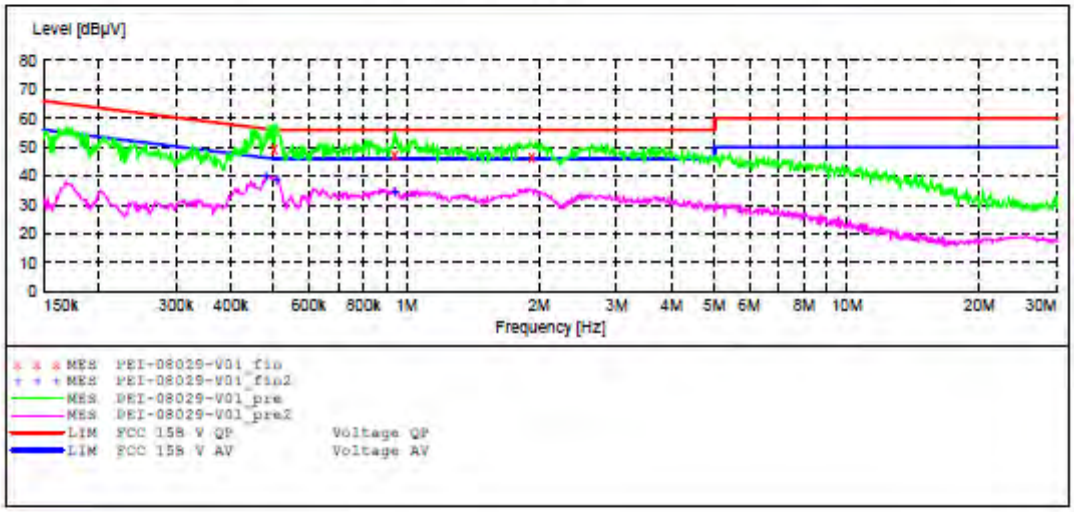
CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                    MID    M/N:M7000XX
Manufacturer:           Shenzhen Sungworld Electrinics Co.,LTD.
Operating Condition:    TX Channel 6 (802.11b)
Test Site:              1#Shielding Room
Operator:               Kai
Test Specification:     N 120V/60Hz
Comment:                Report No.:ATE20111831   Sample No.:1101801
Start of Test:           8/29/2011 / 7:47:53PM
```

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	0.8 %	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "PEI-08029-V01_fin"

8/29/2011 7:53PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.500809	49.10	12.0	56	6.9	QP	N	GND
0.941021	47.30	11.8	56	8.7	QP	N	GND
1.922798	46.30	11.7	56	9.7	QP	N	GND

MEASUREMENT RESULT: "PEI-08029-V01_fin2"

8/29/2011 7:53PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.479294	40.40	12.0	46.4	6.0	AV	N	GND
0.506843	38.90	12.0	46	7.1	AV	N	GND
0.941021	34.80	11.8	46	11.2	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

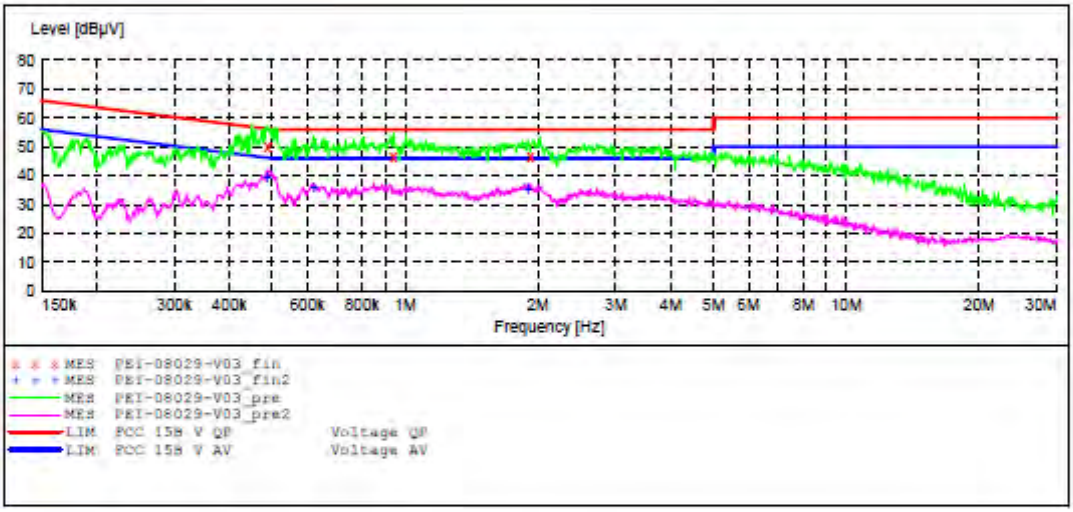
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: MID M/N:M7000XX
Manufacturer: Shenzhen Sungworld Electrinics Co.,LTD.
Operating Condition: TX Channel 6 (802.11g)
Test Site: 1#Shielding Room
Operator: PEI
Test Specification: L 120V/60Hz
Comment: Report No.:ATE20111831 Sample No.:1101801
Start of Test: 8/29/2011 / 7:57:07PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	0.8 %	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "PEI-0829-V03_fin"

8/29/2011 7:59PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.487008	50.10	12.0	56.2	6.1	QP	L1	GND
0.941021	46.70	11.8	56	9.3	QP	L1	GND
1.922798	46.70	11.7	56	9.3	QP	L1	GND

MEASUREMENT RESULT: "PEI-0829-V03_fin2"

8/29/2011 7:59PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.487008	39.50	12.0	46.2	6.7	AV	L1	GND
0.621288	36.20	11.9	46	9.8	AV	L1	GND
1.899908	35.60	11.7	46	10.4	AV	L1	GND

ACCURATE TECHNOLOGY CO.,LTD

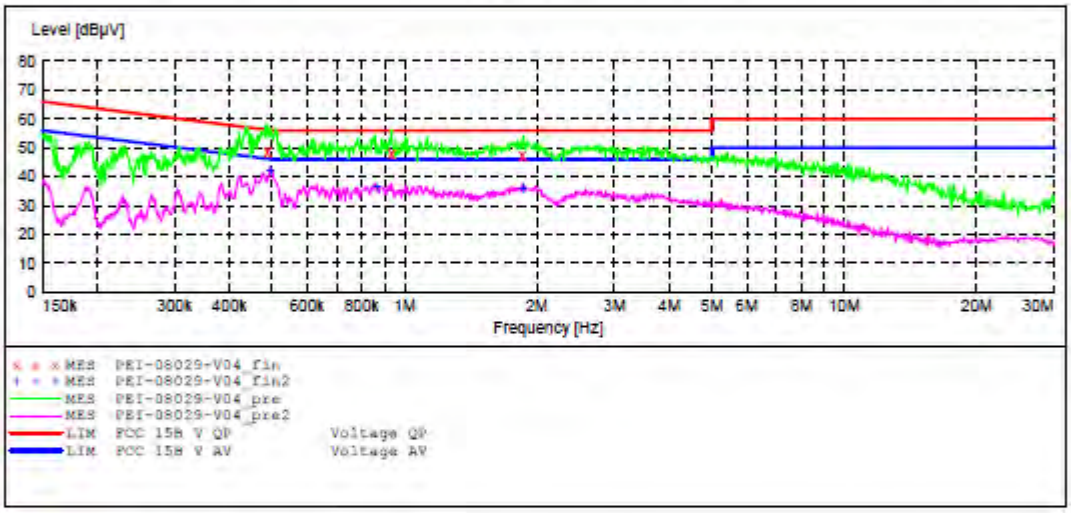
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: MID M/N:M7000XX
Manufacturer: Shenzhen Sungworld Electrinics Co.,LTD.
Operating Condition: TX Channel 6 (802.11g)
Test Site: 1#Shielding Room
Operator: PEI
Test Specification: N 120V/60Hz
Comment: Report No.:ATE20111831 Sample No.:1101801
Start of Test: 8/29/2011 / 8:00:19PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	0.8 %	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "PEI-0829-V04_fin"

8/29/2011 8:02PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.487008	48.70	12.0	56.2	7.5	QP	N	GND
0.933537	47.80	11.8	56	8.2	QP	N	GND
1.854942	46.90	11.7	56	9.1	QP	N	GND

MEASUREMENT RESULT: "PEI-0829-V04_fin2"

8/29/2011 8:02PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.494848	42.50	12.0	46.1	3.6	AV	N	GND
0.861901	36.90	11.9	46	9.1	AV	N	GND
1.854942	35.90	11.7	46	10.1	AV	N	GND

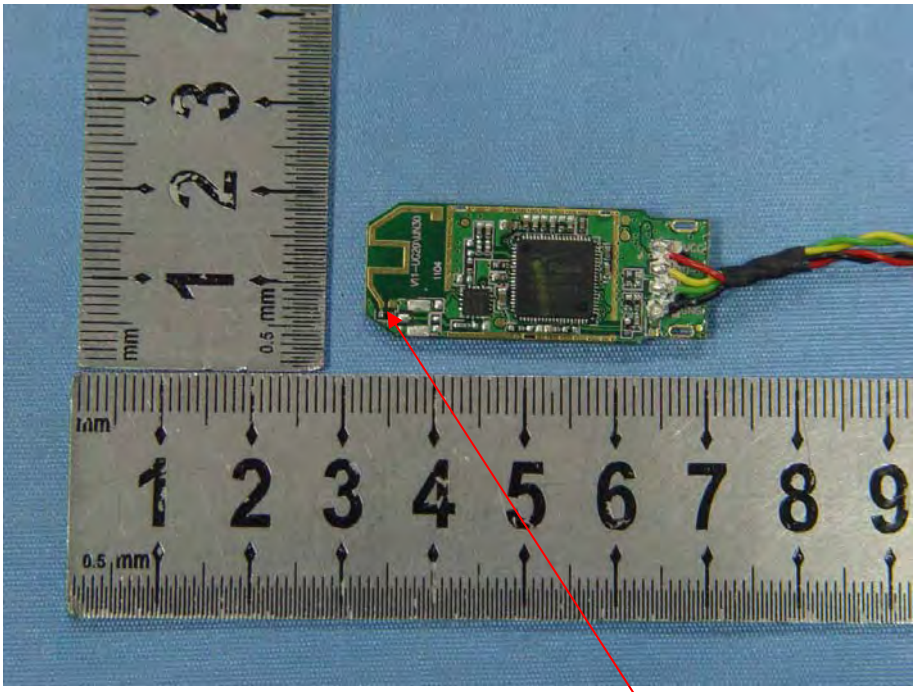
12. ANTENNA REQUIREMENT

12.1. The Requirement

According to Section 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.

12.2. Antenna Construction

Antenna is formed by a copper trace on the PCB. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna