

APPLICATION CERTIFICATION FCC Part 15C
On Behalf of
SPX Transportation & Industrial Solutions (Suzhou) Co., Ltd.

PC-SCAN
Model No.: GIDS, CHDS

FCC ID: YDJGIDSCHDS

Prepared for : SPX Transportation & Industrial Solutions (Suzhou) Co.,
Ltd.
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Report Number : ATE20100831
Date of Test : May 4-6, 2010
Date of Report : May 7, 2010

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Test Report Certification

Applicant : SPX Transportation & Industrial Solutions (Suzhou) Co., Ltd.

Manufacturer : SPX Transportation & Industrial Solutions (Suzhou) Co., Ltd.

EUT Description : PC-SCAN

(A) MODEL NO.: GIDS, CHDS (The two models are only different in plastic enclosures)

(B) SERIAL NO.: N/A

(C) POWER SUPPLY: AC 100-240V, 50-60Hz

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.

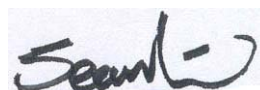
Date of Test : May 4-6, 2010

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	PC-SCAN
Model Number	:	GIDS, CHDS (The two models are only different in plastic enclosures) (Note: only model GIDS is tested.)
Frequency Band	:	2412-2462MHz
Number of Channels	:	11
Antenna Gain	:	0dBi
Power Supply	:	AC 100-240V, 50-60Hz
Adapter	:	Model: GM-120300 Input: 100-240V, 50/60Hz, 1.5A Output: DC 12V, 3A Output line: Non-shielded, non-detachable, 1.4m with one ferrite core
Data Rate	:	IEEE 802.11b: 11/5.5/2/1Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6Mbps
Applicant	:	SPX Transportation & Industrial Solutions (Suzhou) Co., Ltd.
Address	:	No.158-128 Huashan Road, Suzhou New District, Suzhou, 215129, China
Manufacturer	:	SPX Transportation & Industrial Solutions (Suzhou) Co., Ltd.
Address	:	No.158-128 Huashan Road, Suzhou New District, Suzhou, 215129, China
Date of sample received	:	April 22, 2010
Date of Test	:	May 4-6, 2010

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 = 3.08dB, k=2
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2
(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2
(Above 1GHz)

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. 9, 2011
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 9, 2011
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 9, 2011
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 9, 2011
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 9, 2011
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 9, 2011
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 9, 2011
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 9, 2011
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 9, 2011
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 9, 2011

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

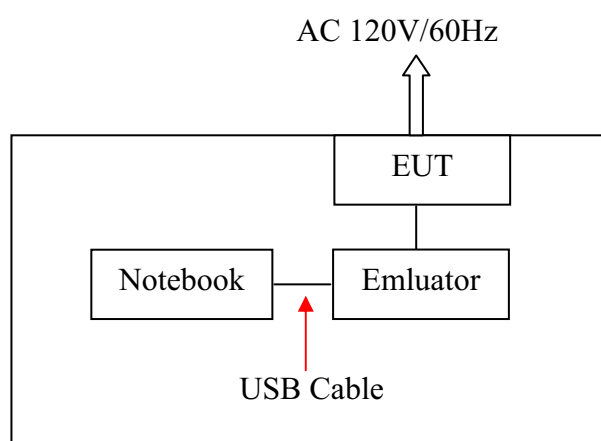


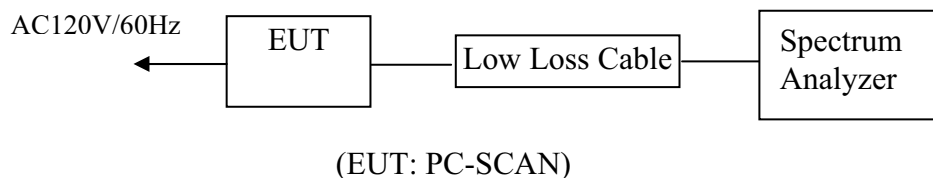
Figure 1 Setup: Transmitting mode

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



5.2. The Requirement For Section 15.247(a)(1)

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. PC-SCAN (EUT)

Model Number	: GIDS
Serial Number	: N/A
Manufacturer	: SPX Transportation & Industrial Solutions (Suzhou) 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:	<u>May 6, 2010</u>	Temperature:	<u>25°C</u>
EUT:	<u>PC-SCAN</u>	Humidity:	<u>50%</u>
Model No.:	<u>GIDS</u>	Power Supply:	<u>AC 120V/60Hz</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Joe</u>

The test was performed with 802.11b, the data was shown the worst case 802.11b 1Mbps.

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	12.040	> 0.5MHz
Middle	2437	12.040	> 0.5MHz
High	2462	12.040	> 0.5MHz

The test was performed with 802.11g, the data was shown the worst case 802.11g 6Mbps.

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	16.360	> 0.5MHz
Middle	2437	16.400	> 0.5MHz
High	2462	16.400	> 0.5MHz

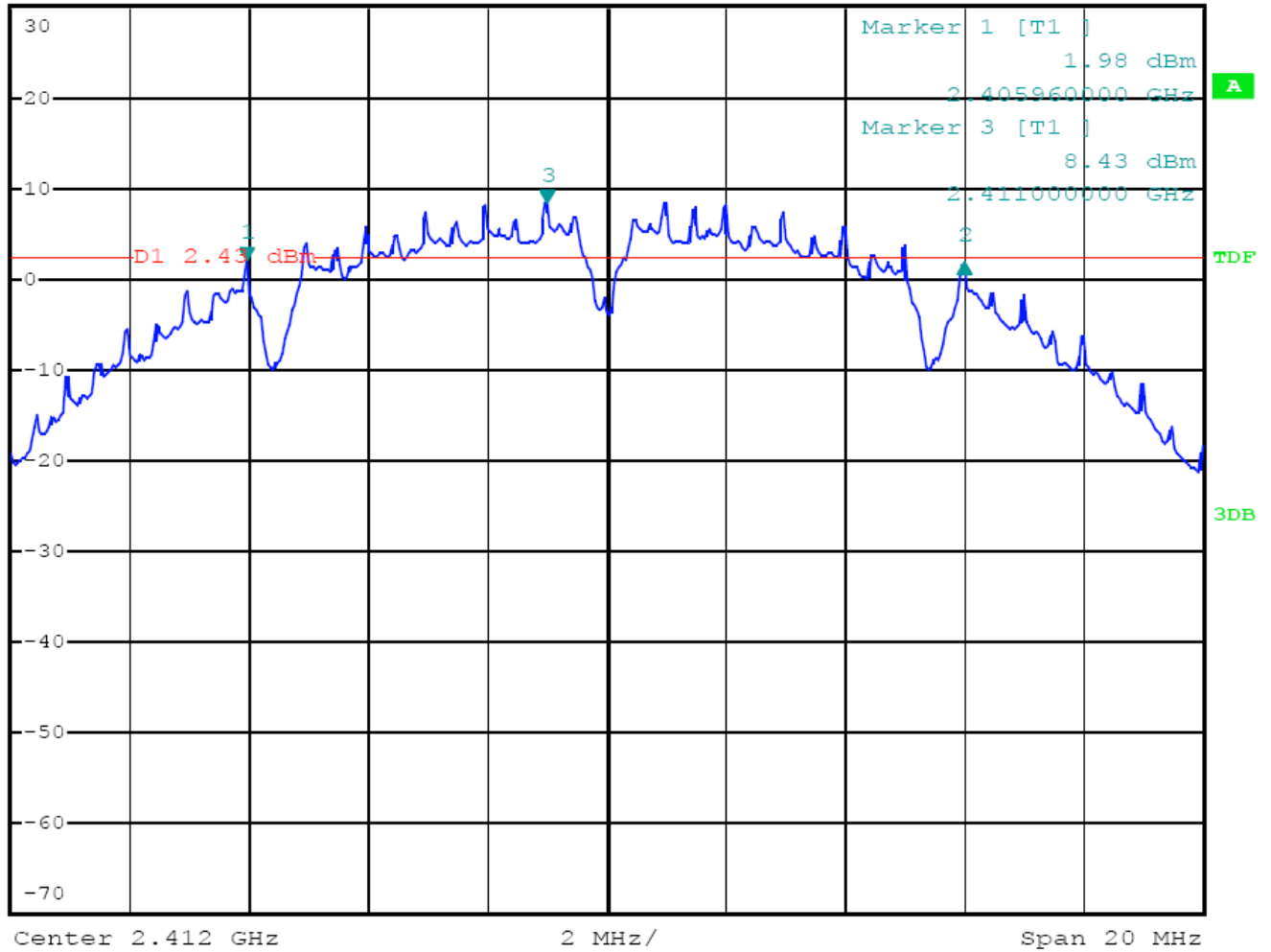
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz

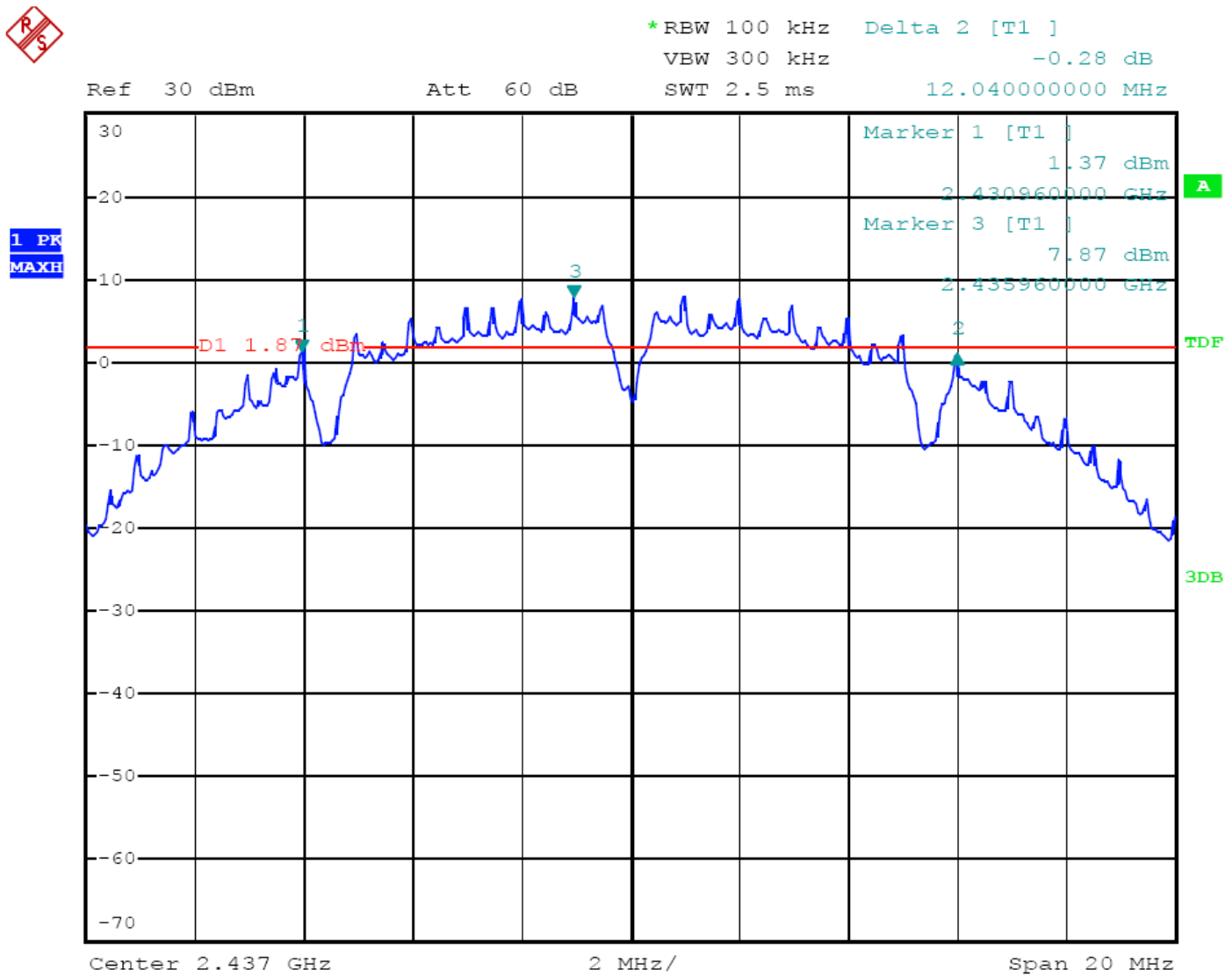


*RBW 100 kHz Delta 2 [T1]
 VBW 300 kHz -0.31 dB
 Ref 30 dBm Att 60 dB SWT 2.5 ms 12.040000000 MHz

1 PK
 MAXH



802.11b Channel Middle 2437MHz



802.11b Channel High 2462MHz



*RBW 100 kHz Delta 2 [T1]
 VBW 300 kHz -0.09 dB
 SWT 2.5 ms 12.040000000 MHz

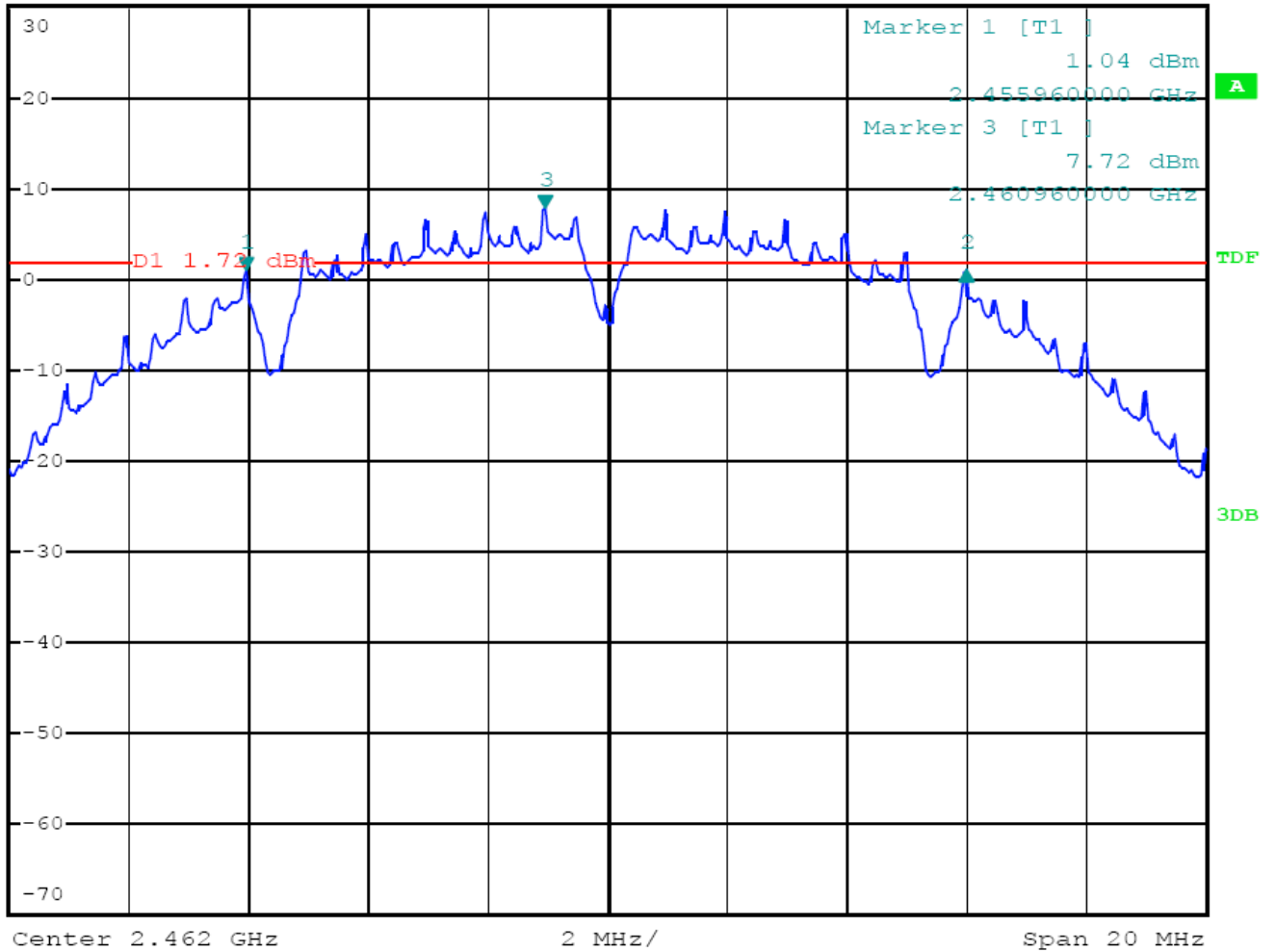
Ref 30 dBm

Att 60 dB

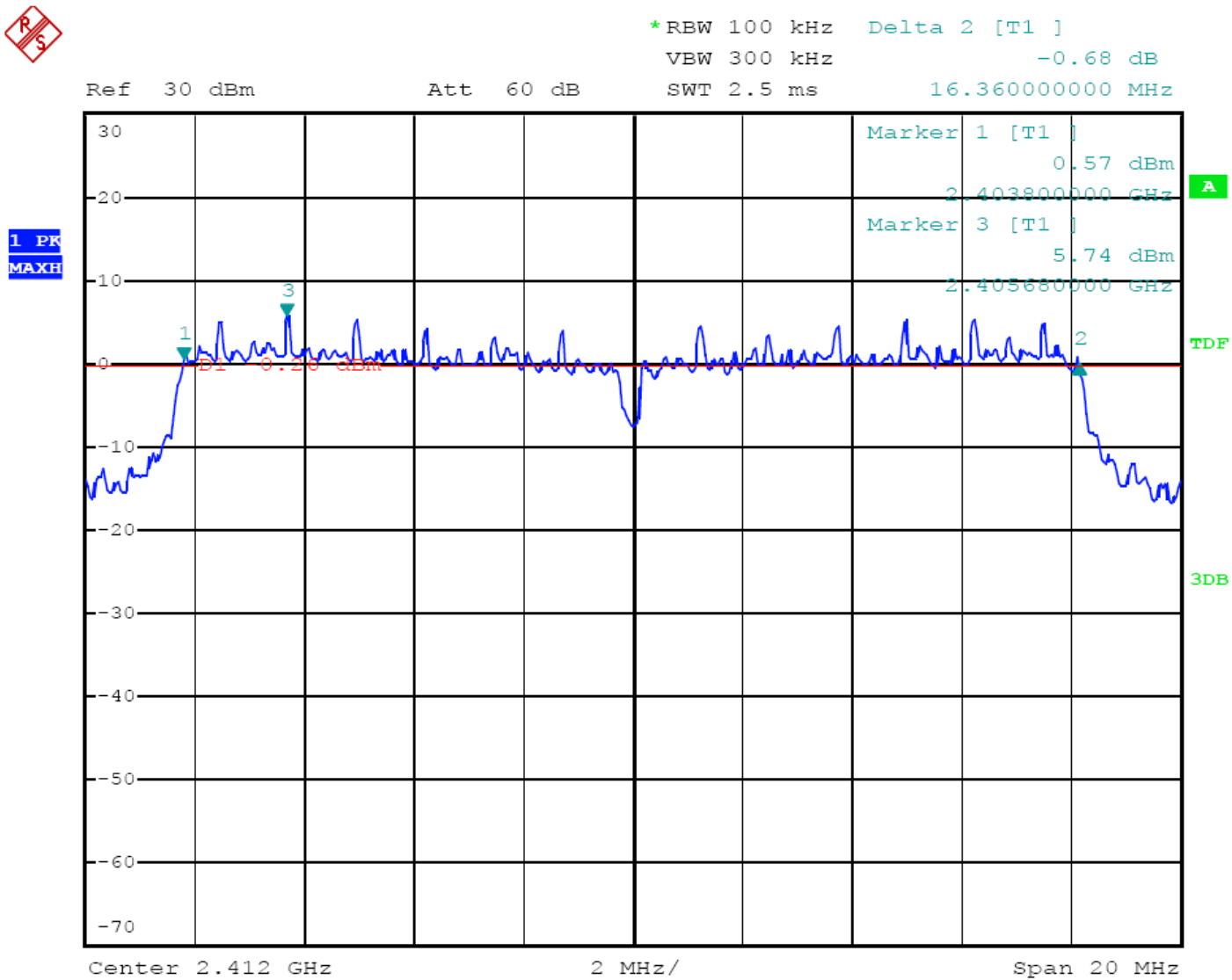
SWT 2.5 ms

12.040000000 MHz

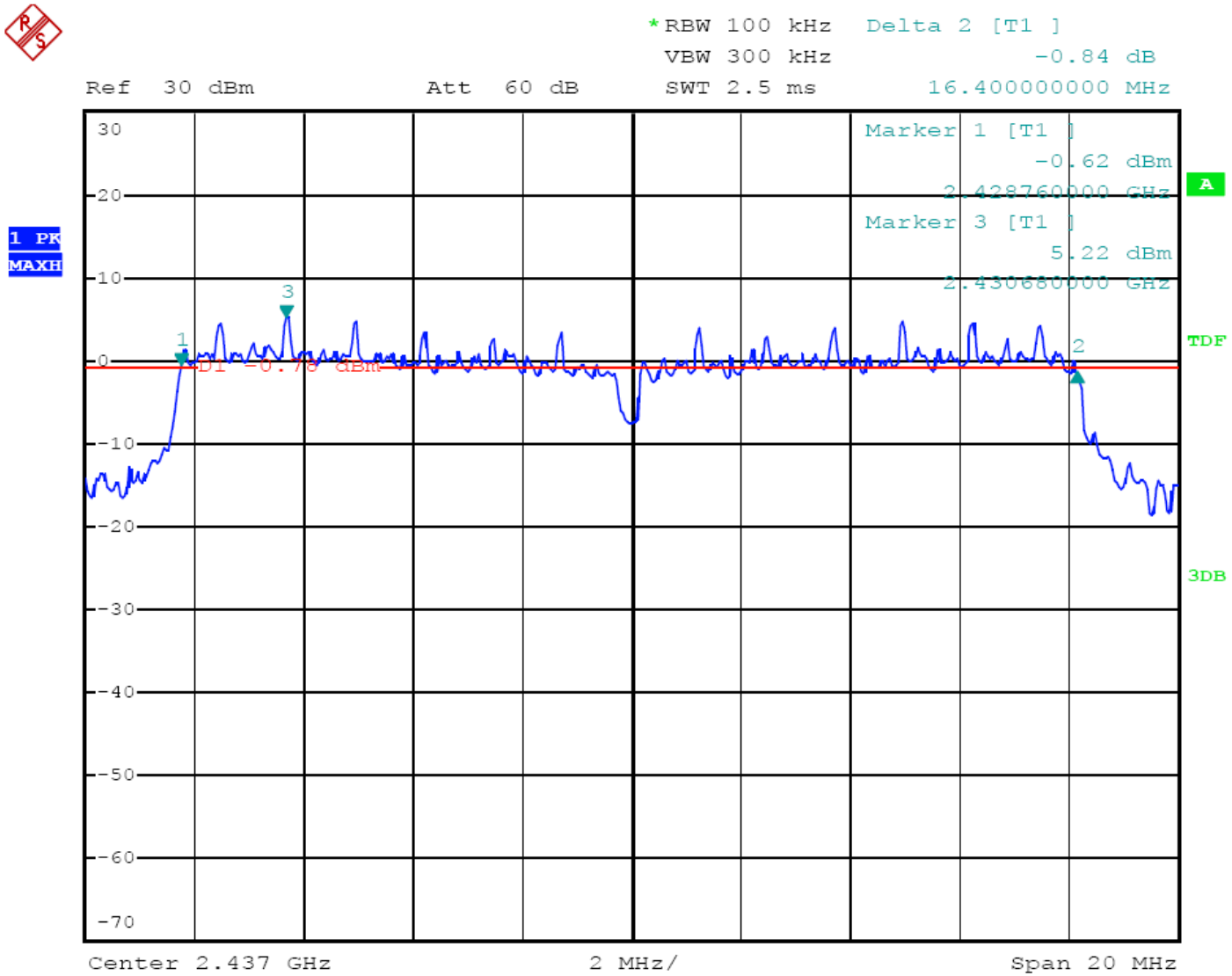
1 PK
 MAXH



802.11g Channel Low 2412MHz



802.11g Channel Middle 2437MHz

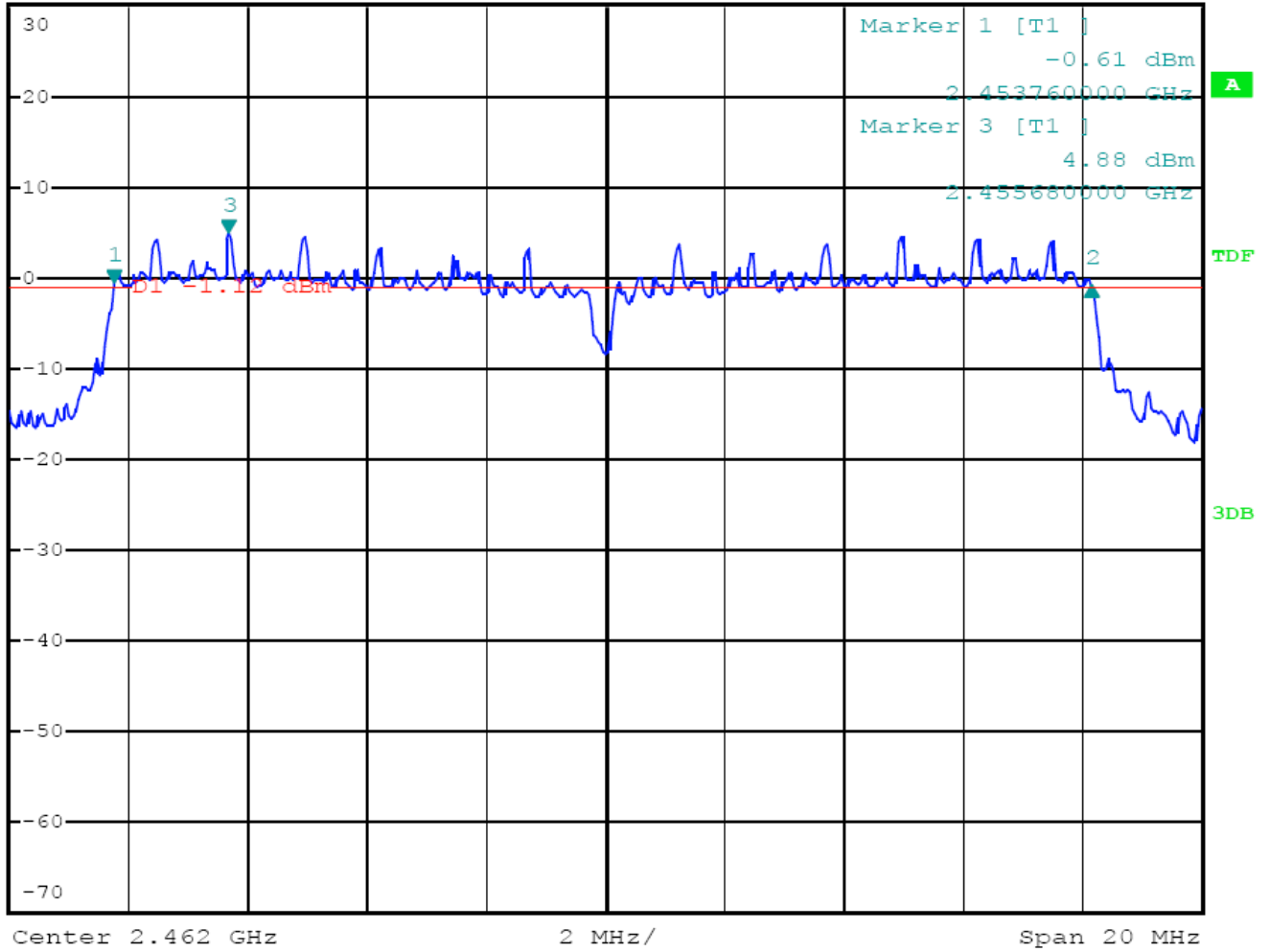


802.11g Channel High 2462MHz



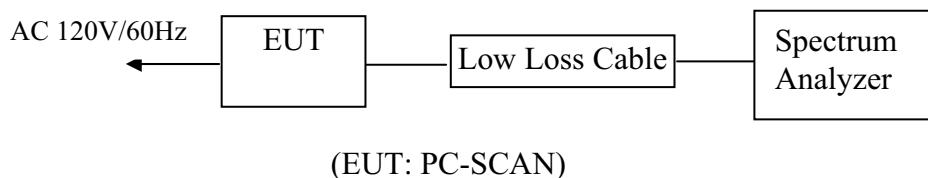
*RBW 100 kHz Delta 2 [T1]
 VBW 300 kHz -0.15 dB
 Ref 30 dBm Att 60 dB SWT 2.5 ms 16.400000000 MHz

1 PK
 MAXH



6. MAXIMUM PEAK OUTPUT POWER

6.1. Block Diagram of Test Setup



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. PC-SCAN (EUT)

Model Number	:	GIDS
Serial Number	:	N/A
Manufacturer	:	SPX Transportation & Industrial Solutions (Suzhou) 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:	<u>May 6, 2010</u>	Temperature:	<u>25°C</u>
EUT:	<u>PC-SCAN</u>	Humidity:	<u>50%</u>
Model No.:	<u>GIDS</u>	Power Supply:	<u>AC 120V/60Hz</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Joe</u>

The test was performed with 802.11b, the data was shown the worst case 802.11b 1Mbps.

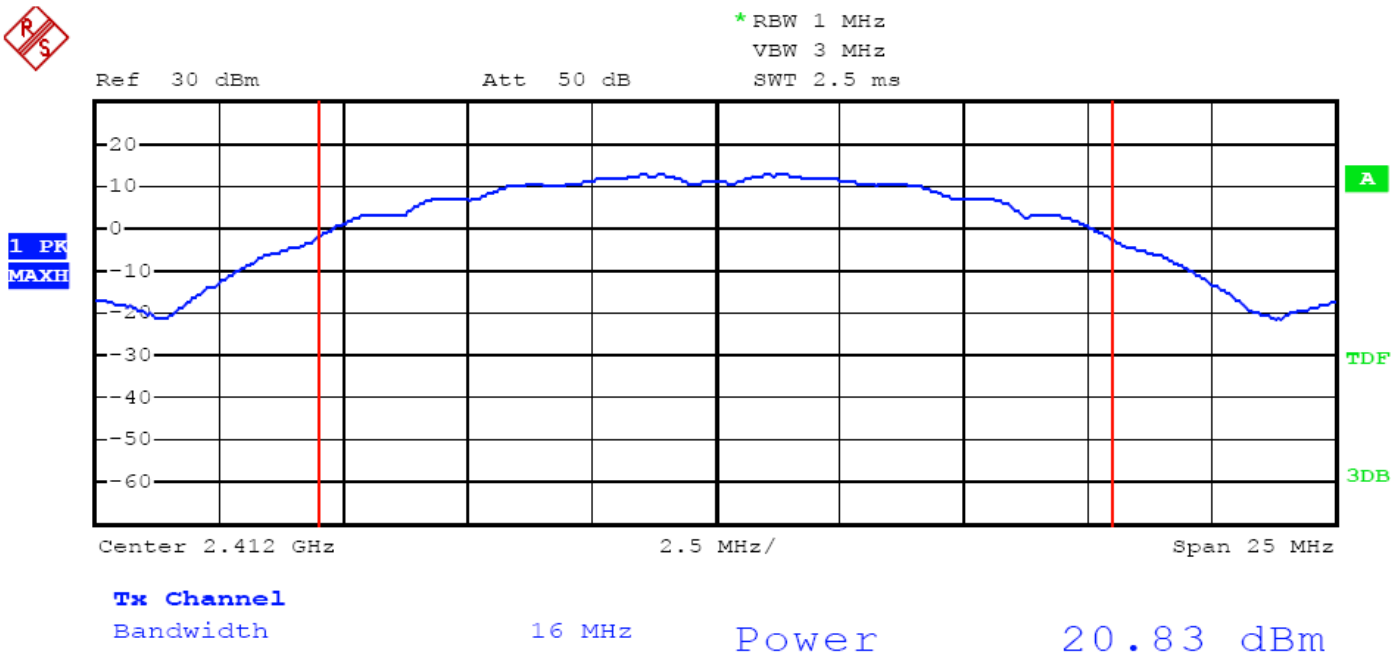
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	20.83	121.1	30 dBm / 1 W
Middle	2437	20.36	108.6	30 dBm / 1 W
High	2462	20.19	104.5	30 dBm / 1 W

The test was performed with 802.11g, the data was shown the worst case 802.11g 6Mbps.

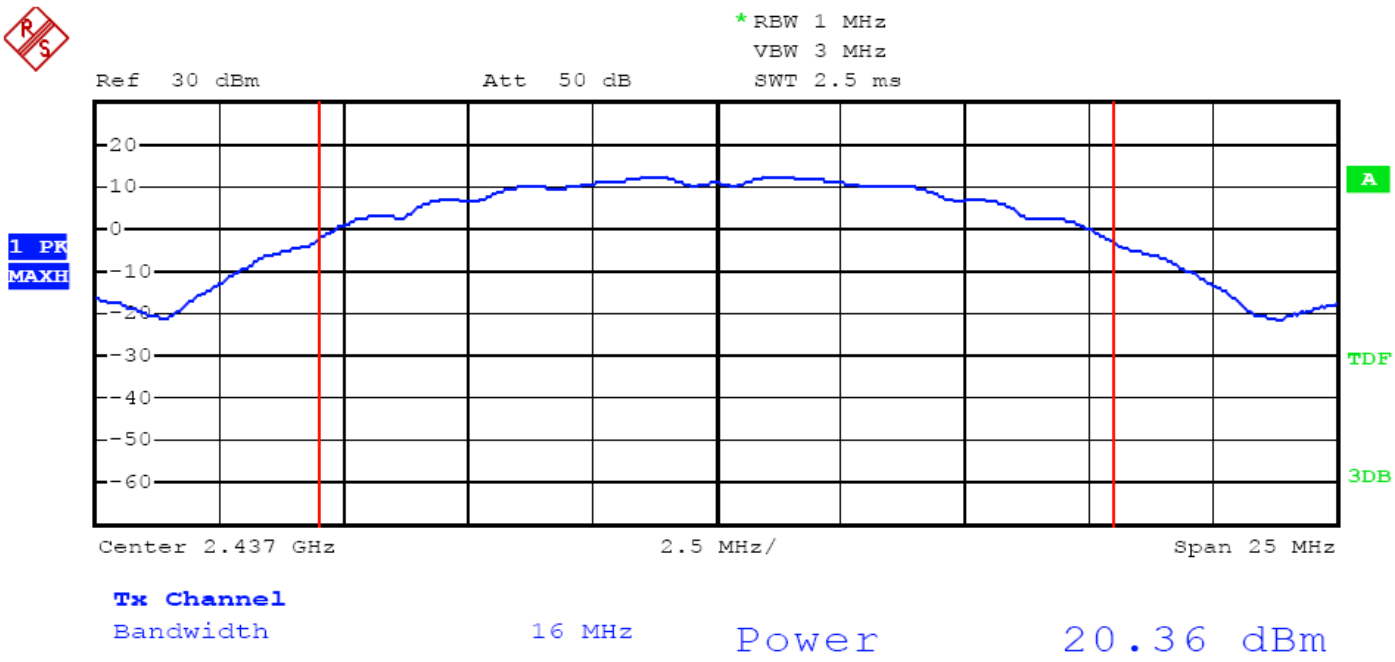
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	23.98	250.0	30 dBm / 1 W
Middle	2437	23.58	228.0	30 dBm / 1 W
High	2462	23.31	214.3	30 dBm / 1 W

The spectrum analyzer plots are attached as below.

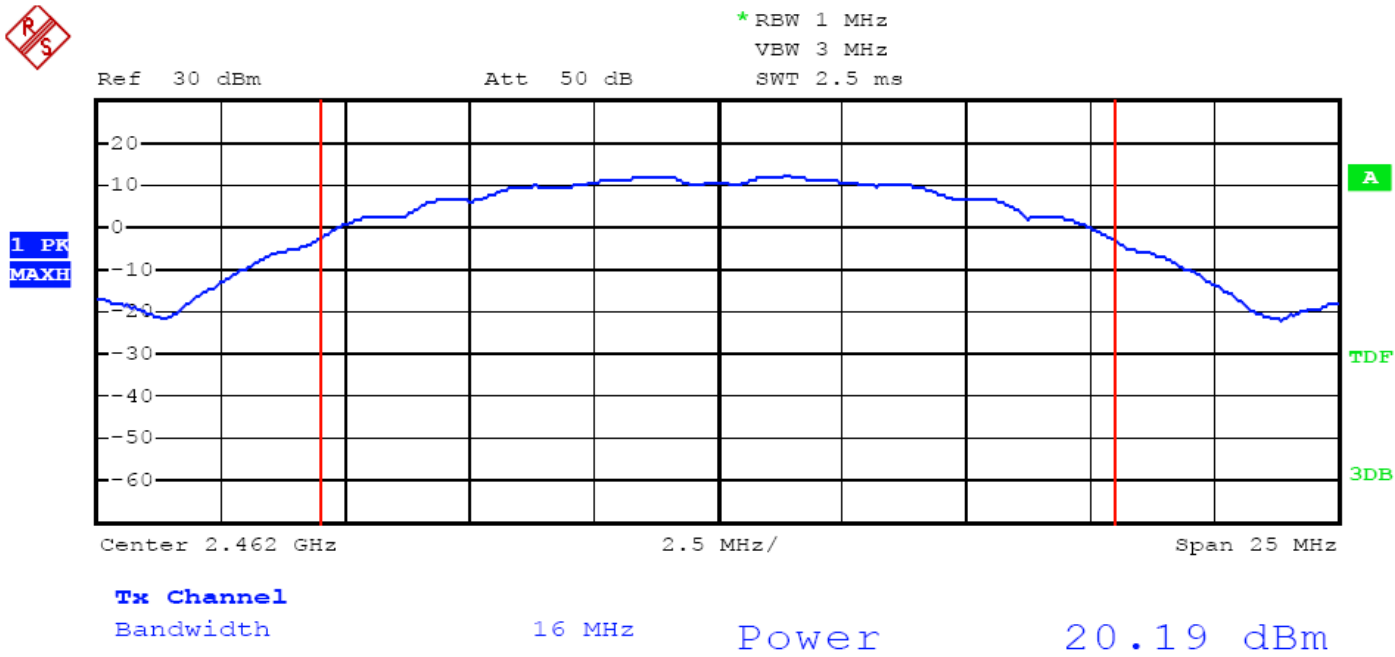
802.11b Channel Low 2412MHz



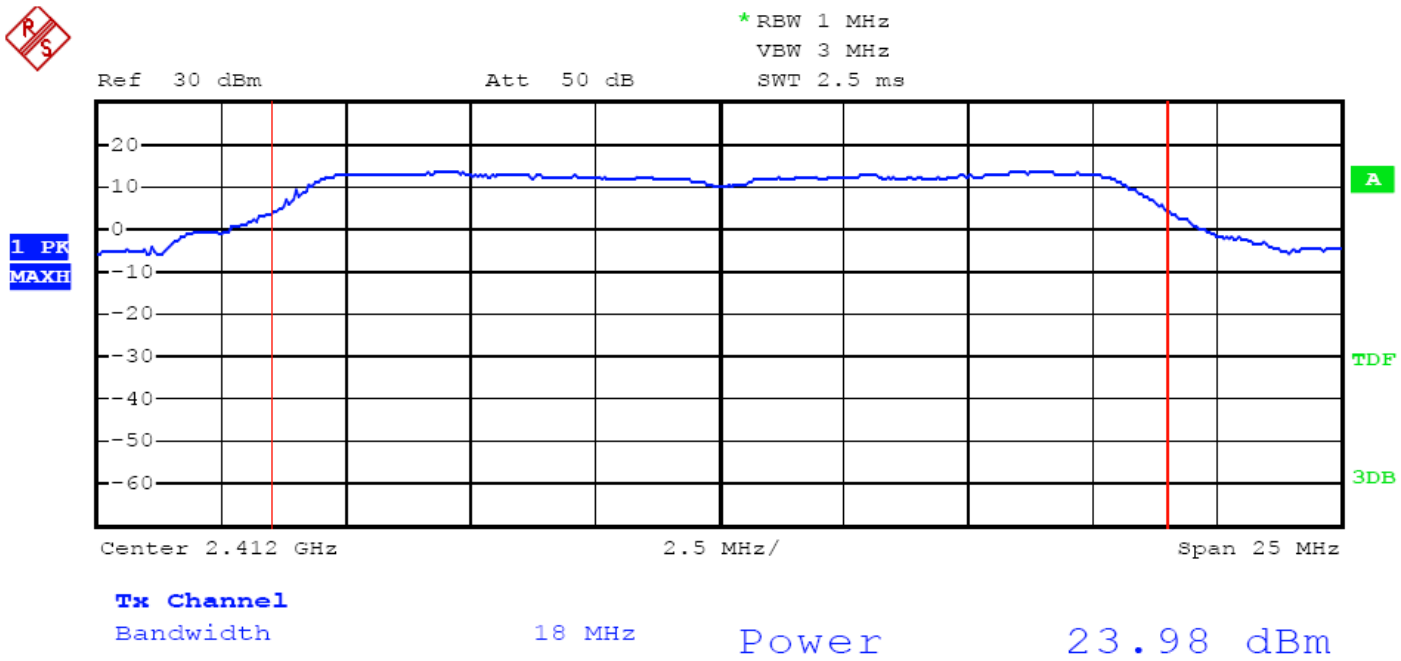
802.11b Channel Middle 2437MHz



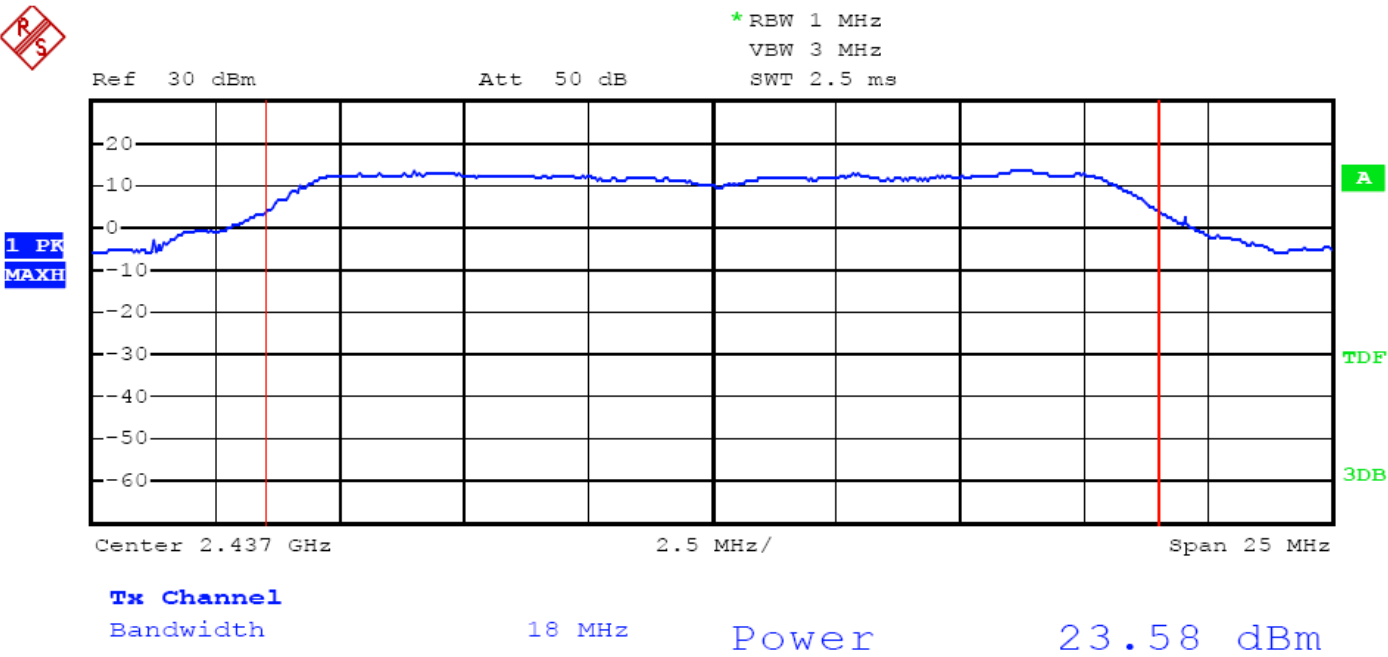
802.11b Channel High 2462MHz



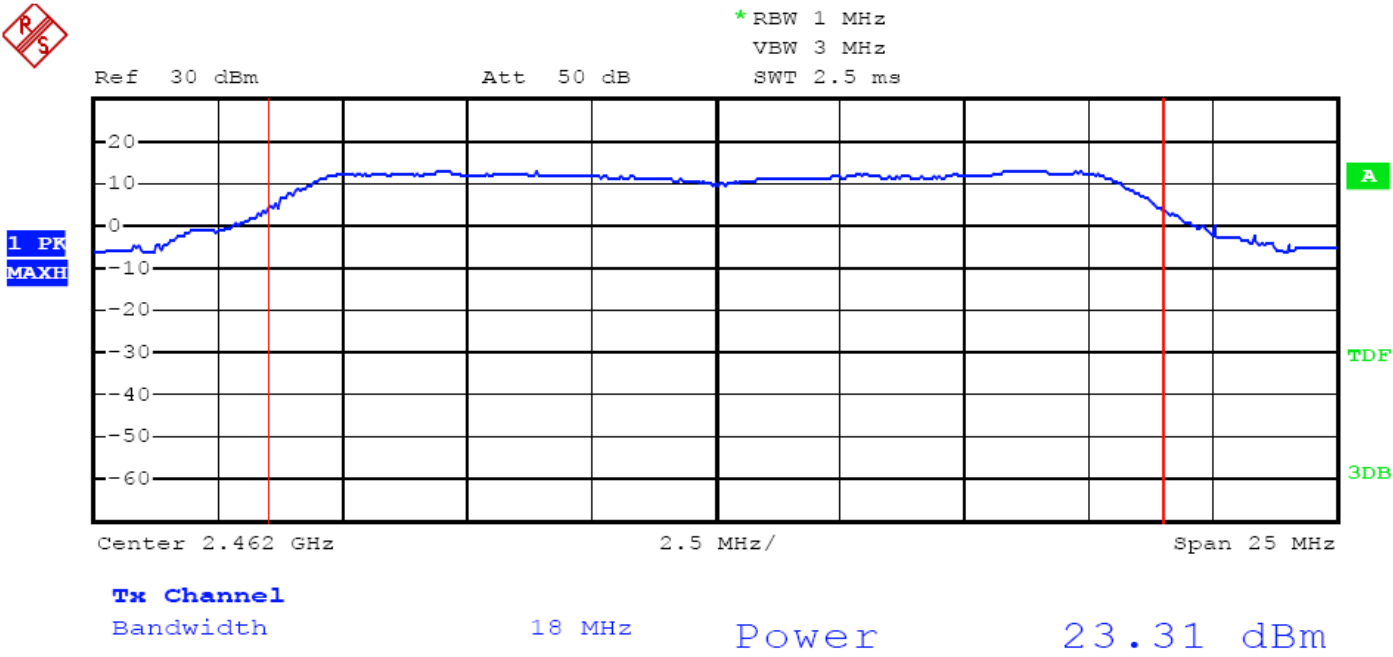
802.11g Channel Low 2412MHz



802.11g Channel Middle 2437MHz

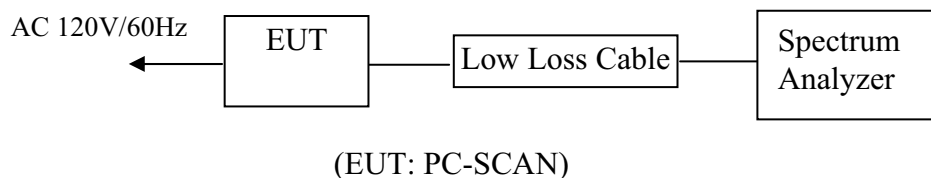


802.11g Channel High 2462MHz



7. POWER SPECTRAL DENSITY MEASUREMENT

7.1. Block Diagram of Test Setup



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. PC-SCAN (EUT)

Model Number	:	GIDS
Serial Number	:	N/A
Manufacturer	:	SPX Transportation & Industrial Solutions (Suzhou) 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:	<u>May 6, 2010</u>	Temperature:	<u>25°C</u>
EUT:	<u>PC-SCAN</u>	Humidity:	<u>50%</u>
Model No.:	<u>GIDS</u>	Power Supply:	<u>AC 120V/60Hz</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Joe</u>

The test was performed with 802.11b, the data was shown the worst case 802.11b 1Mbps.

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	6.35	8 dBm
Middle	2437	4.42	8 dBm
High	2462	3.67	8 dBm

The test was performed with 802.11g, the data was shown the worst case 802.11g 6Mbps.

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-11.12	8 dBm
Middle	2437	-11.48	8 dBm
High	2462	-11.53	8 dBm

The spectrum analyzer plots are attached as below.

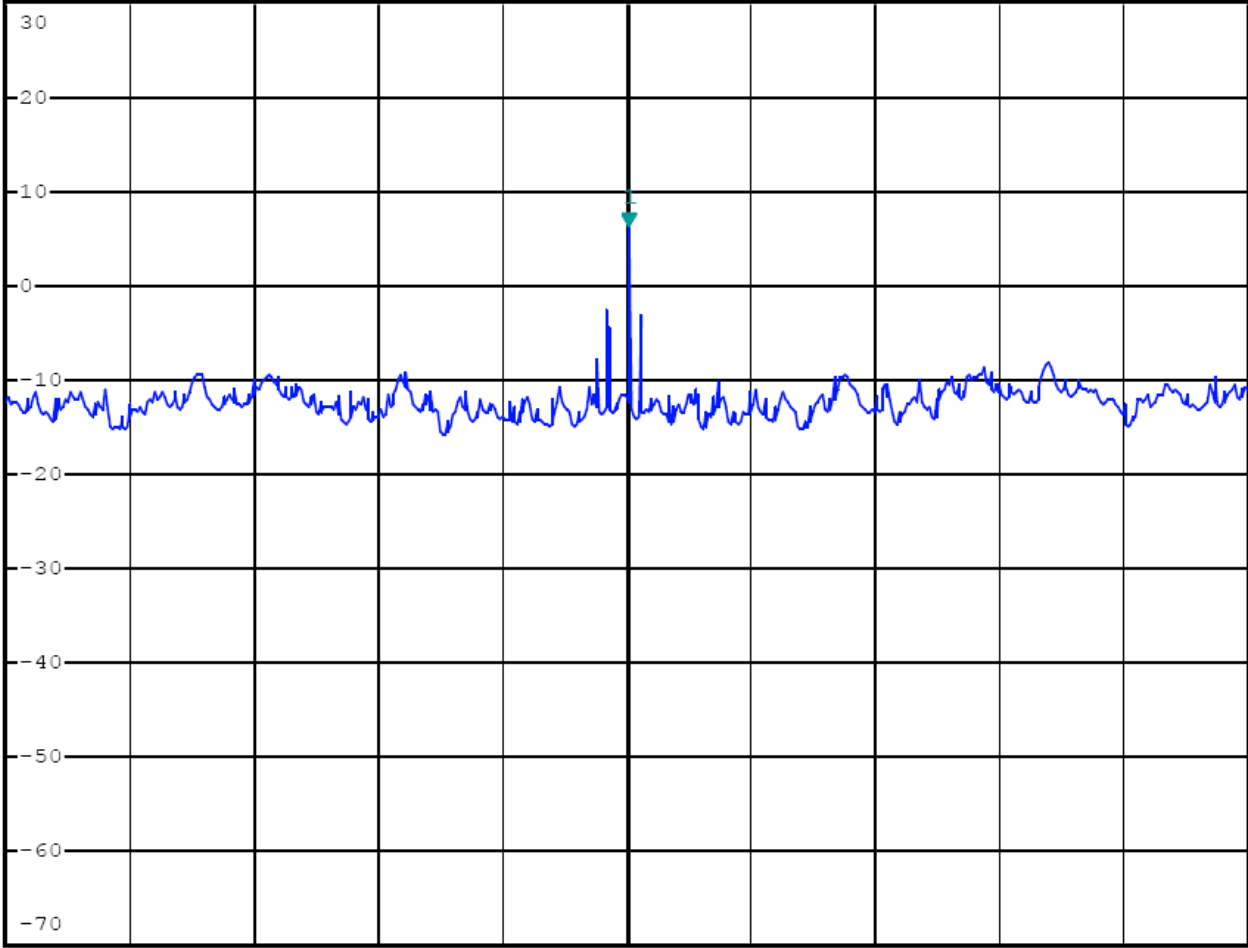
802.11b Channel Low 2412MHz



*RBW 3 kHz Marker 1 [T1]
VBW 10 kHz 6.35 dBm
*SWT 100 s 2.410956400 GHz

Ref 30 dBm Att 60 dB

1 PK
MAXH



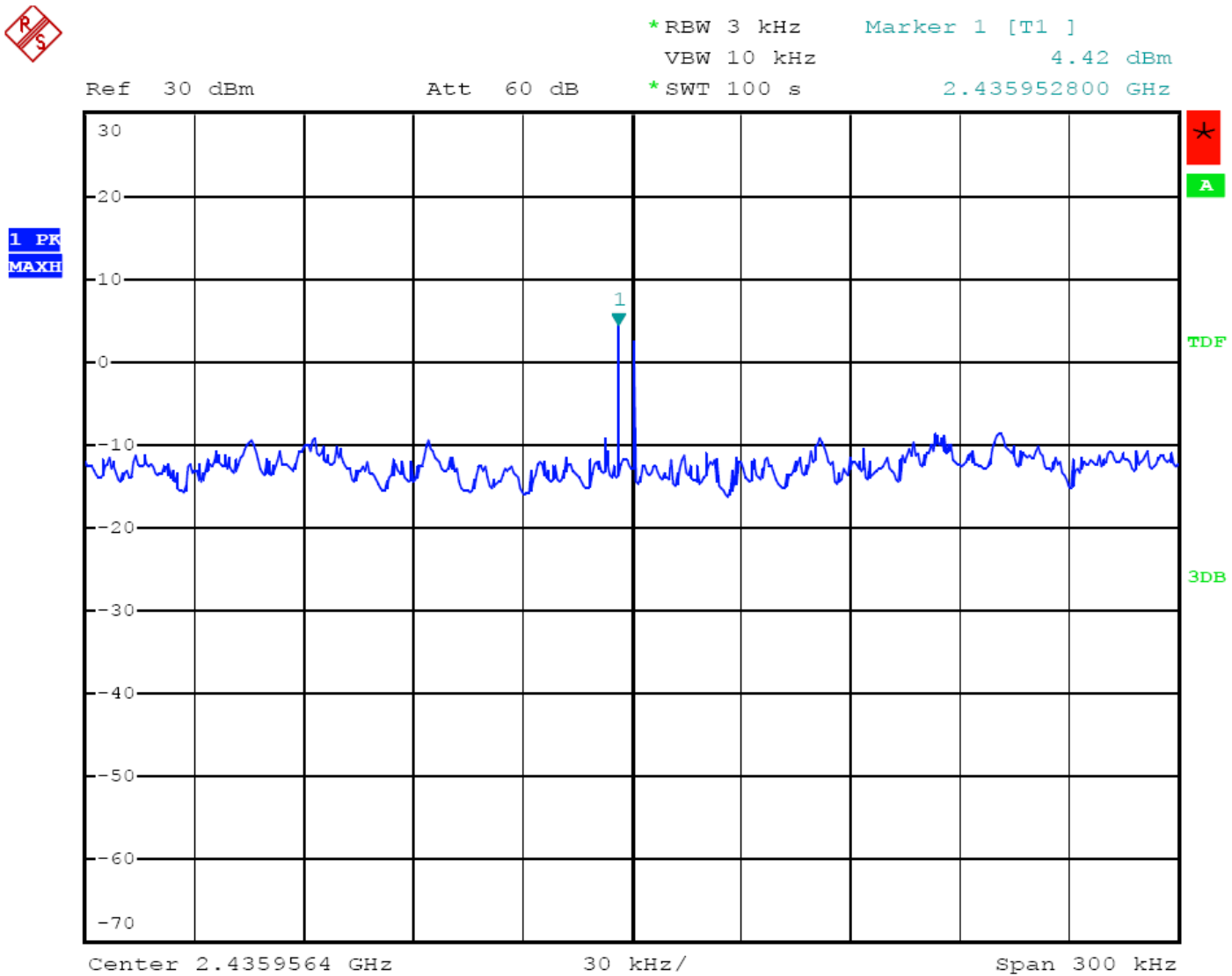
A

TDF

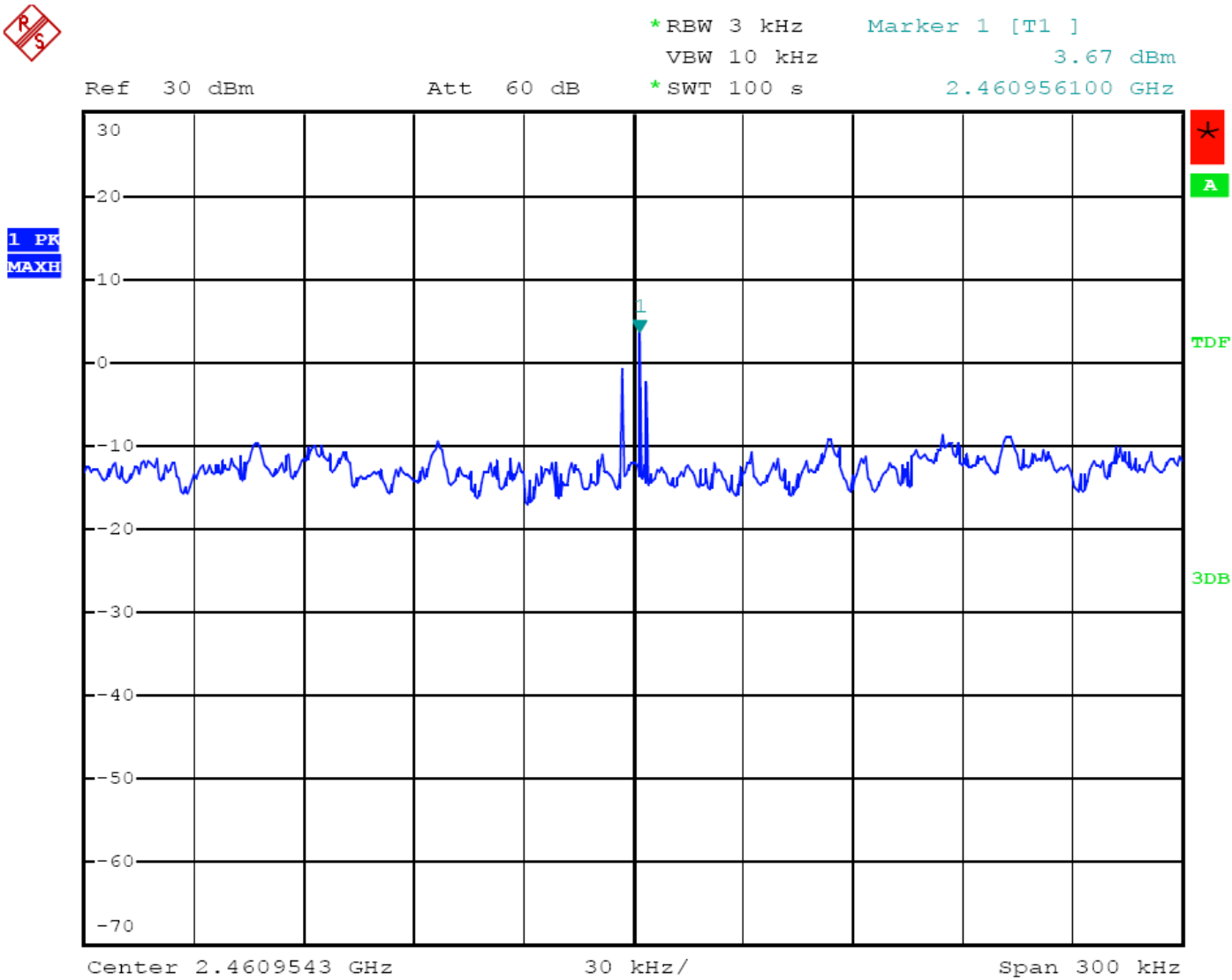
3DB

Center 2.4109558 GHz 30 kHz/ Span 300 kHz

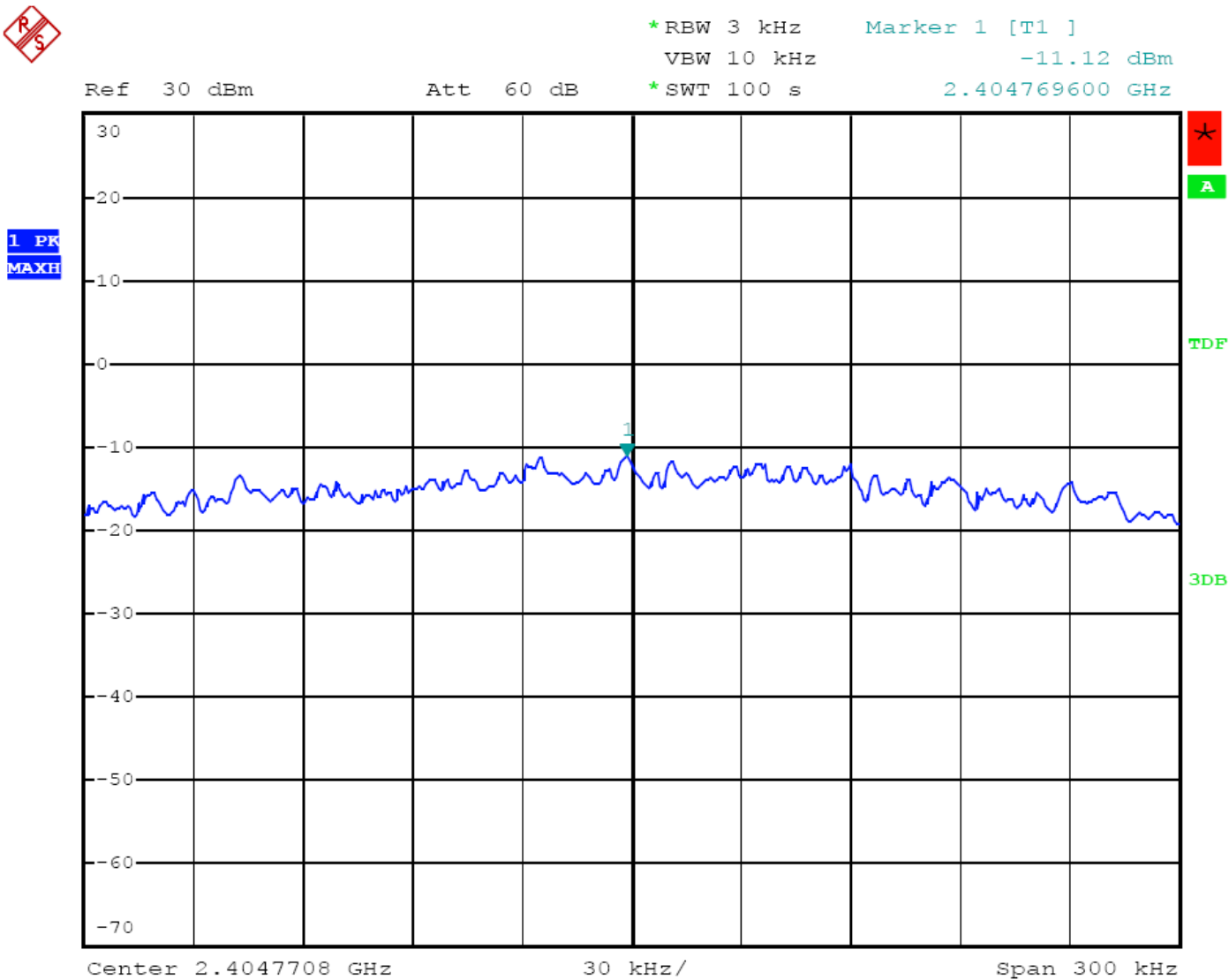
802.11b Channel Middle 2437MHz



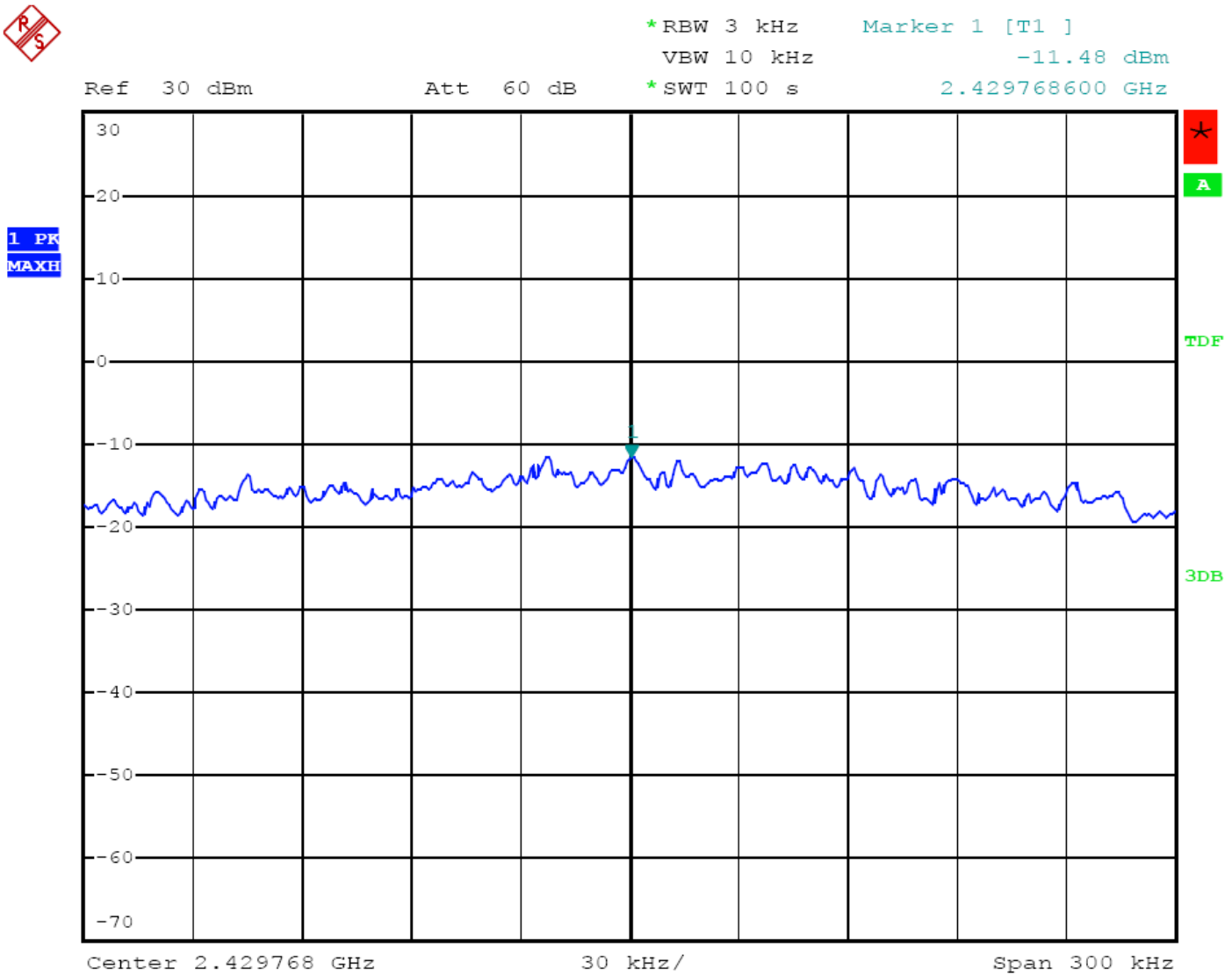
802.11b Channel High 2462MHz



802.11g Channel Low 2412MHz



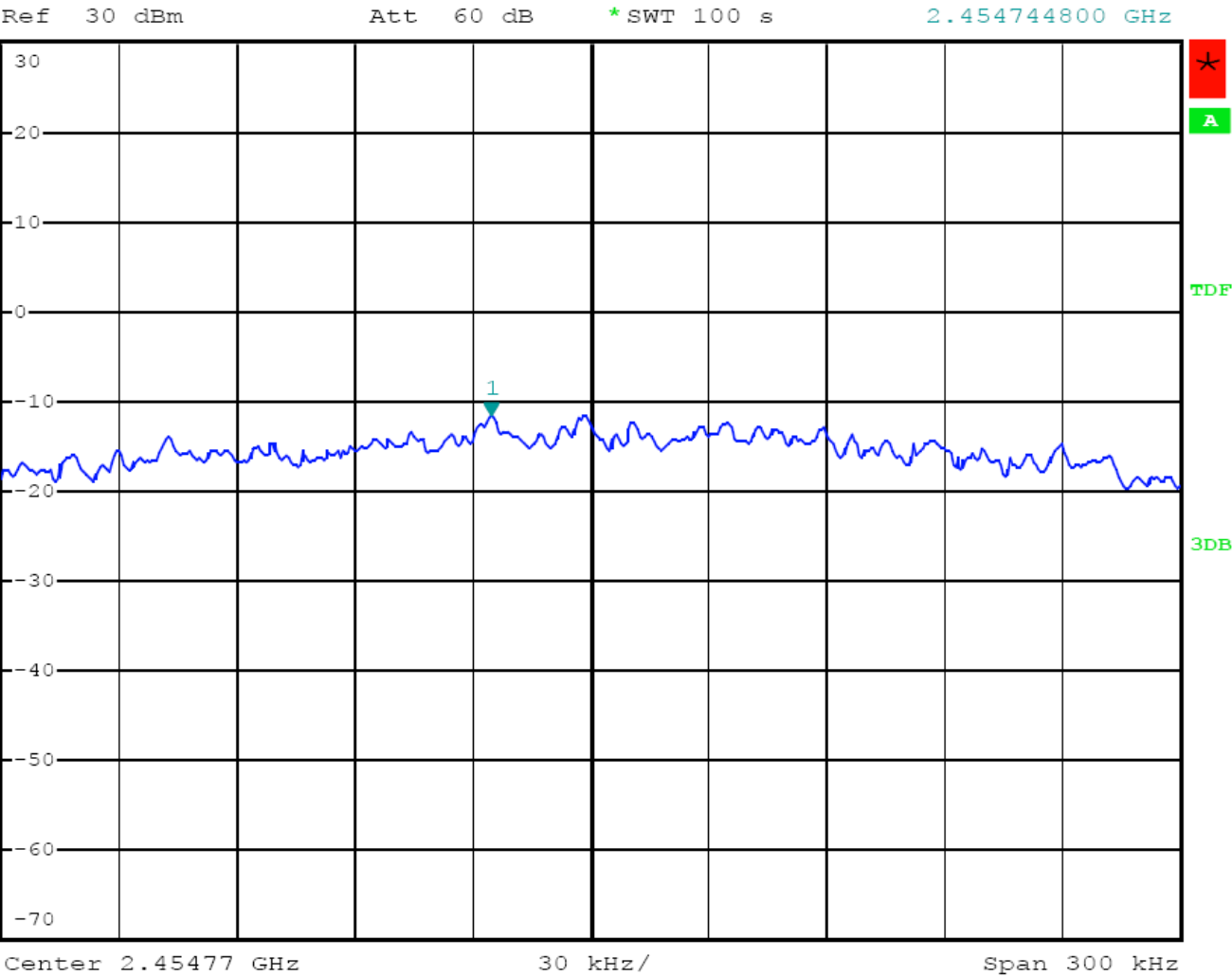
802.11g Channel Middle 2437MHz



802.11g Channel High 2462MHz

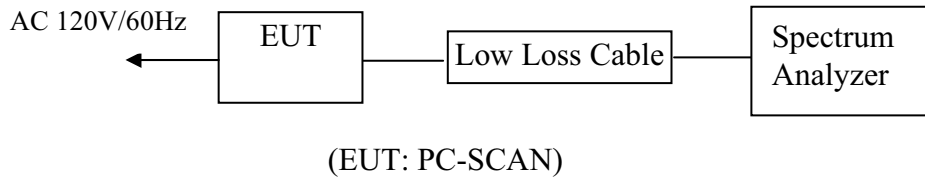


*RBW 3 kHz Marker 1 [T1]
VBW 10 kHz -11.53 dBm
*SWT 100 s 2.454744800 GHz



8. BAND EDGE COMPLIANCE TEST (WI-FI)

8.1. Block Diagram of Test Setup



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. PC-SCAN (EUT)

Model Number	:	GIDS
Serial Number	:	N/A
Manufacturer	:	SPX Transportation & Industrial Solutions (Suzhou) 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

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 with convenient frequency span.

8.5.3. The band edges was measured and recorded.

8.6. Test Result

Pass

Date of Test:	May 6, 2010	Temperature:	25°C
EUT:	PC-SCAN	Humidity:	50%
Model No.:	GIDS	Power Supply:	AC 120V/60Hz
Test Mode:	TX	Test Engineer:	Joe

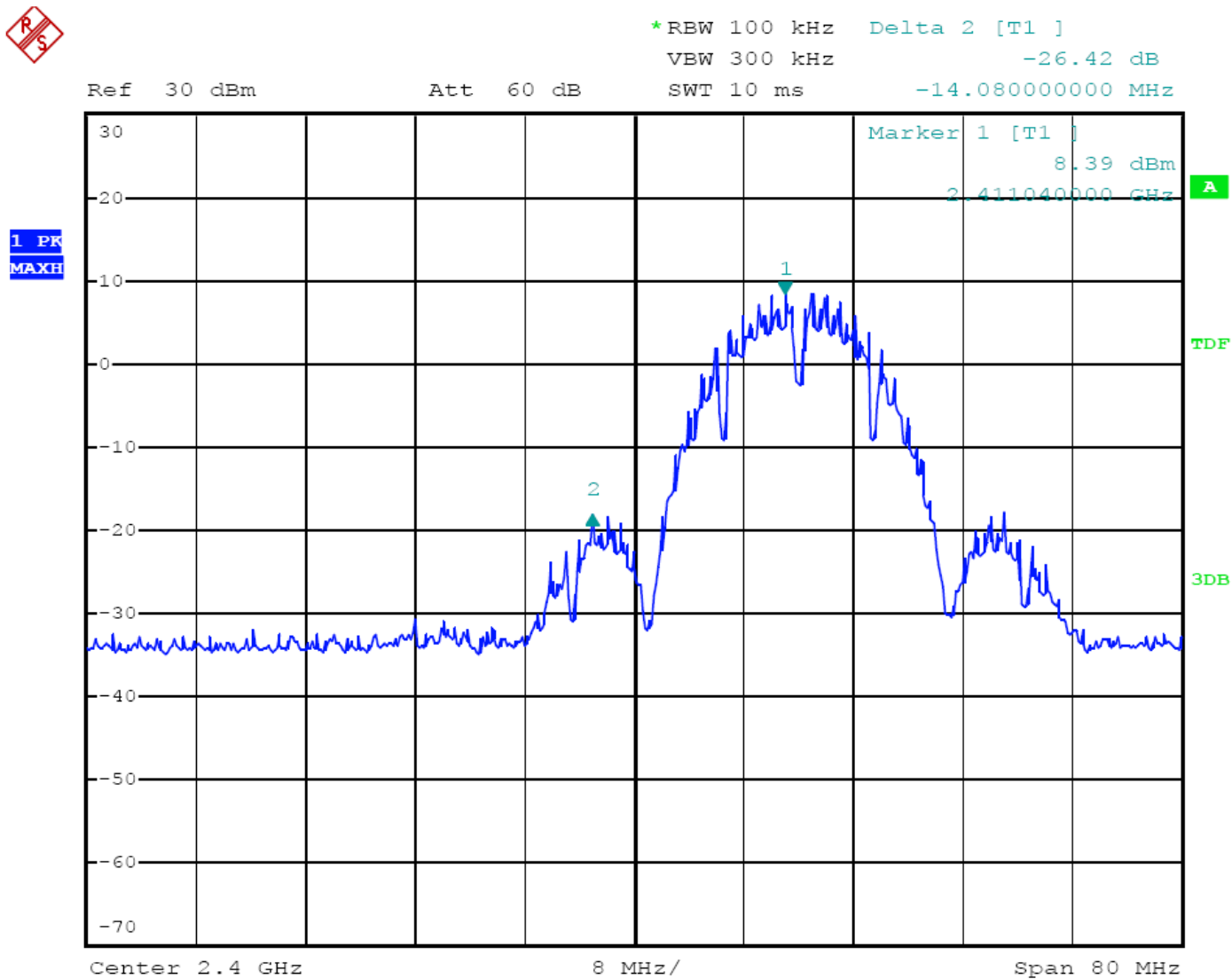
The test was performed with 802.11b, the data was shown the worst case 802.11b 1Mbps.

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	26.42	> 20dBc
2462	39.41	> 20dBc

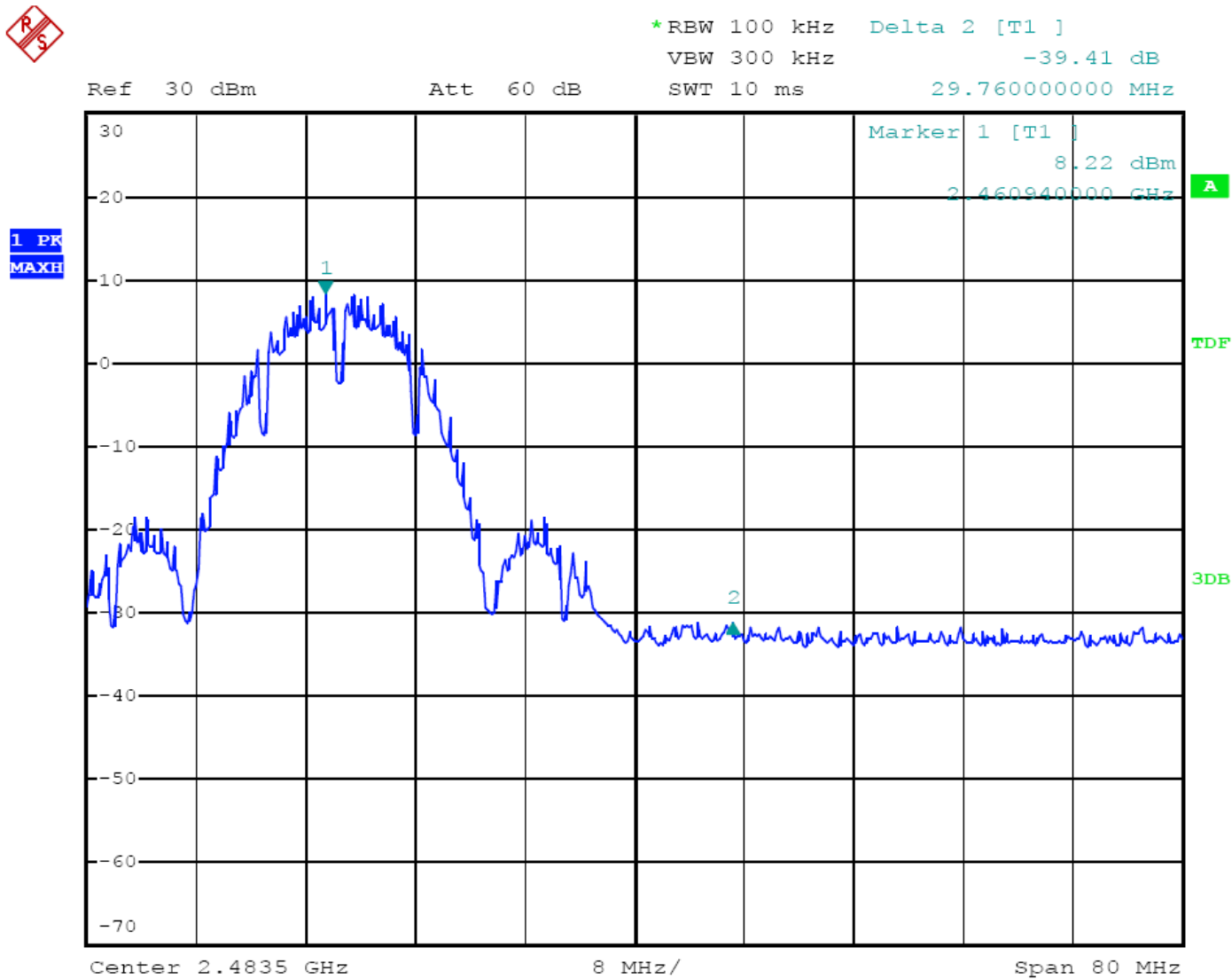
The test was performed with 802.11g, the data was shown the worst case 802.11g 1Mbps.

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	21.24	> 20dBc
2462	29.35	> 20dBc

802.11b Channel Low 2412MHz



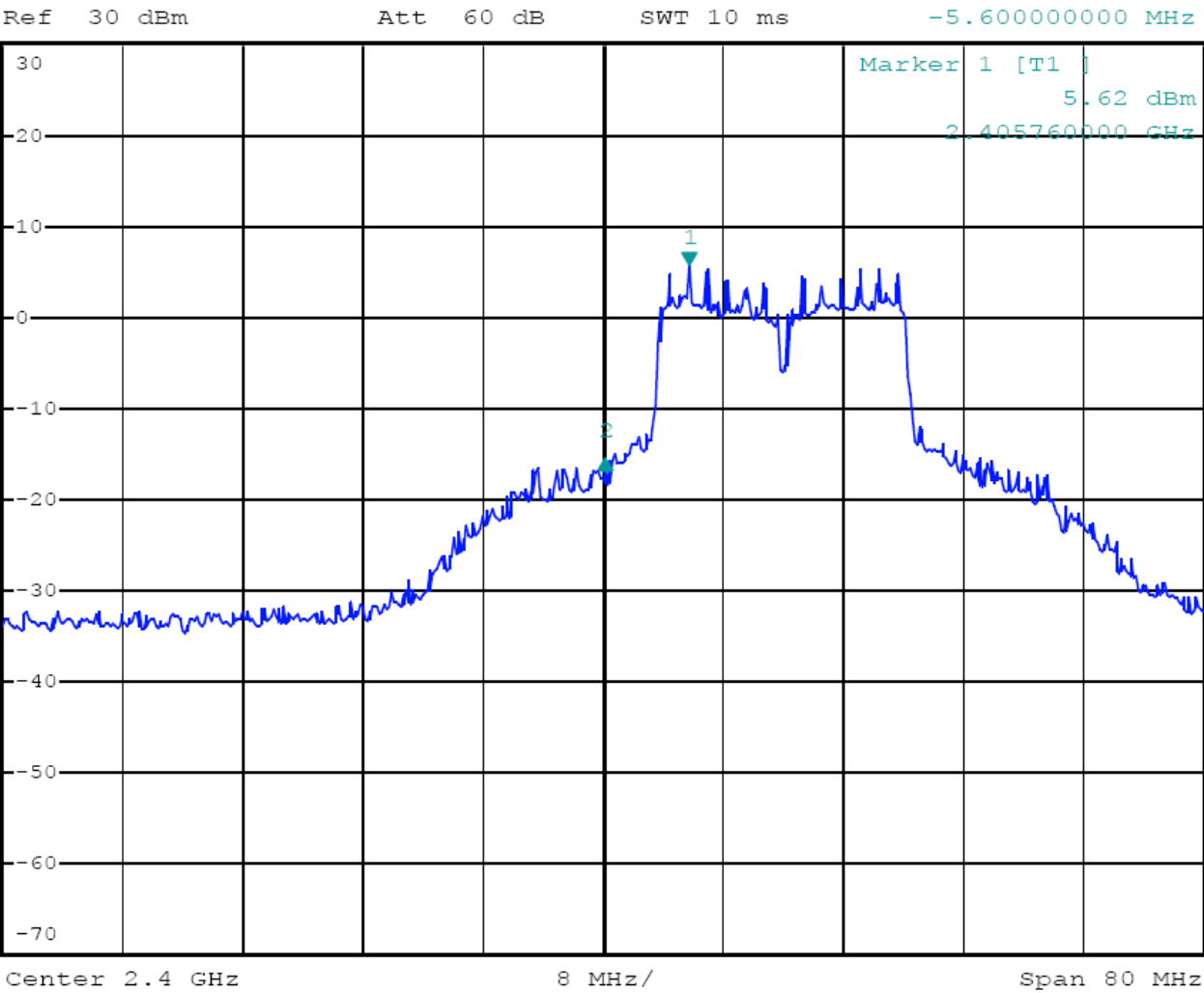
802.11b Channel High 2462MHz



802.11g Channel Low 2412MHz



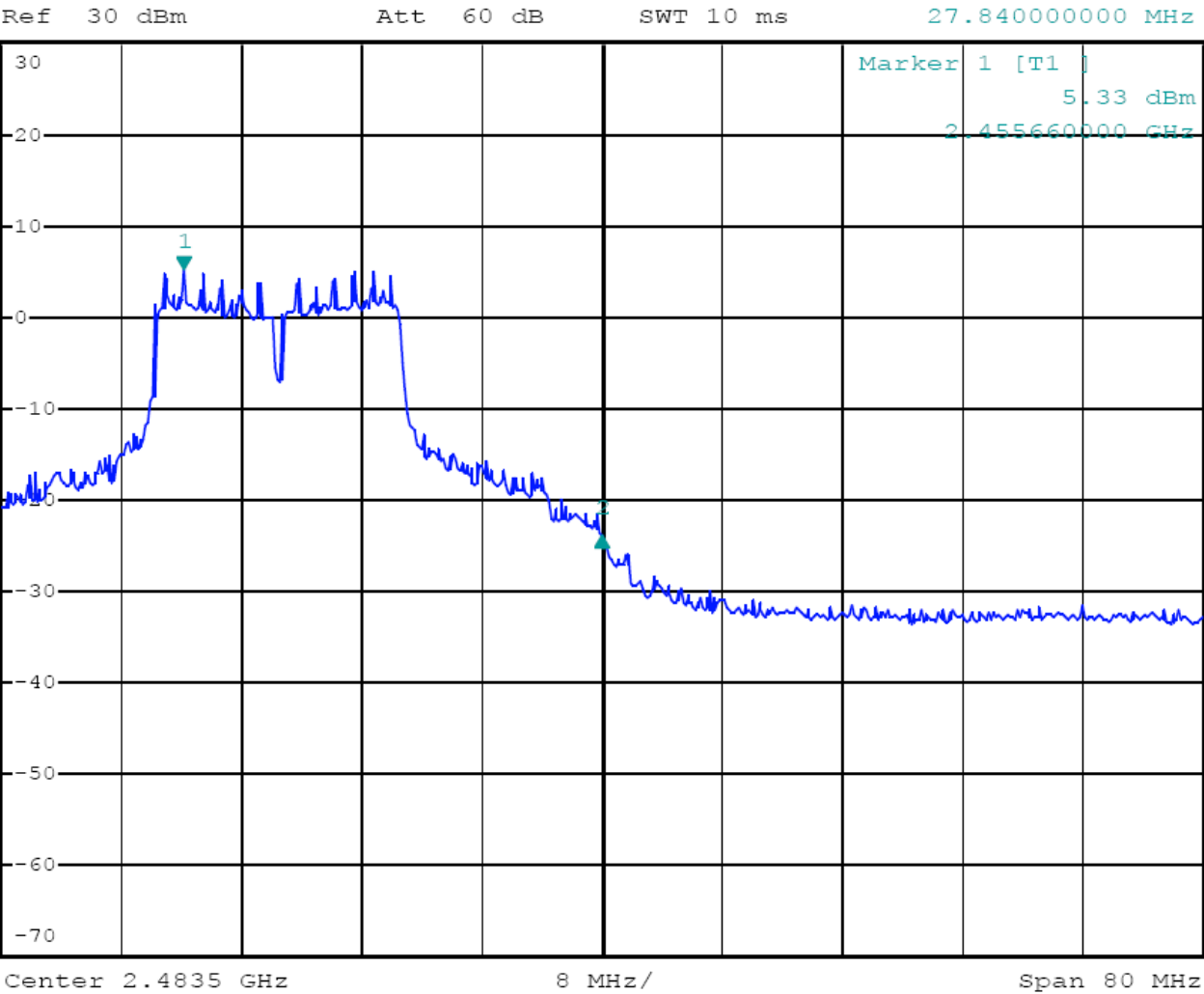
*RBW 100 kHz Delta 2 [T1]
VBW 300 kHz -21.24 dB
SWT 10 ms -5.600000000 MHz



802.11g Channel High 2462MHz



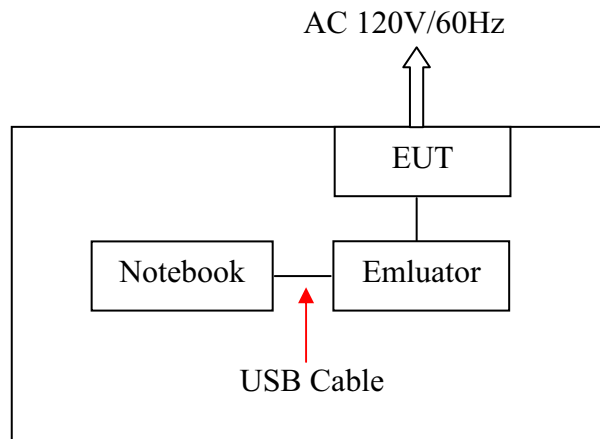
*RBW 100 kHz Delta 2 [T1]
VBW 300 kHz -29.35 dB
SWT 10 ms 27.840000000 MHz



9. RADIATED SPURIOUS EMISSION TEST

9.1. Block Diagram of Test Setup

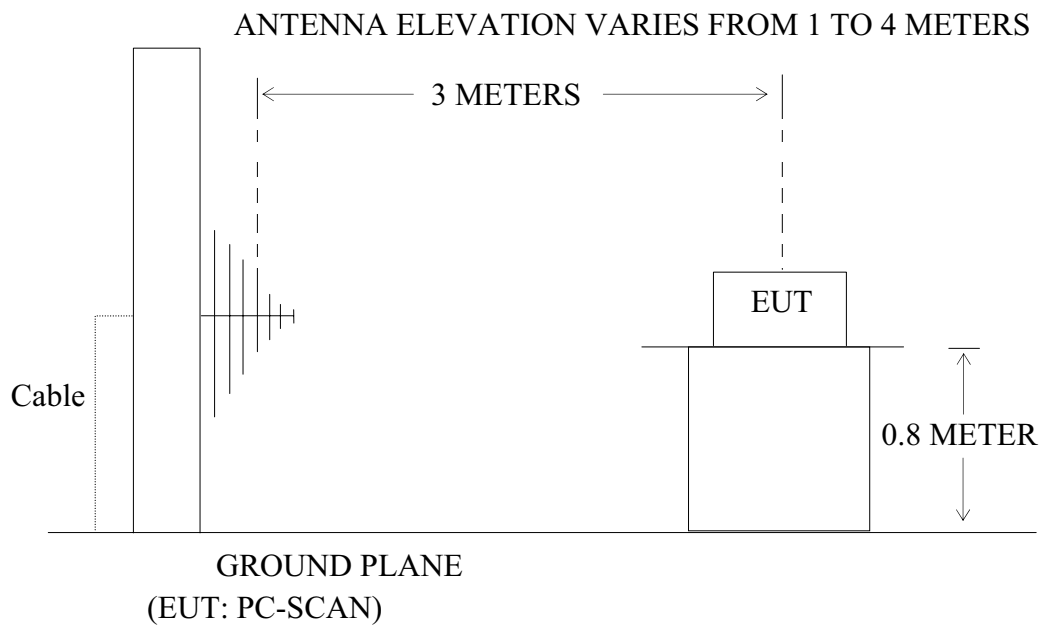
9.1.1. Block diagram of connection between the EUT and simulators



Setup: Transmitting mode

(EUT: PC-SCAN)

9.1.2. Semi-Anechoic Chamber Test Setup Diagram



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			

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

²Above 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 Section 15.209 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. PC-SCAN (EUT)

Model Number	:	GIDS
Serial Number	:	N/A
Manufacturer	:	SPX Transportation & Industrial Solutions (Suzhou) 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 1Mbps for 802.11b mode and 6Mbps 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:	May 5, 2010	Temperature:	25°C
EUT:	PC-SCAN	Humidity:	50%
Model No.:	GIDS	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Joe

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	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	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	43.24	49.26	-7.46	35.78	41.80	54	74	-18.22	-32.20	Vertical
2412.014	106.08	112.13	-7.43	98.65	104.70	-	-	-	-	Vertical
*4824.024	50.39	56.45	-0.19	50.20	56.26	54	74	-3.80	-17.74	Vertical
7236.032	43.41	49.48	3.05	46.46	52.53	54	74	-7.54	-21.47	Vertical
2400.000	42.16	48.19	-7.46	34.70	40.73	54	74	-19.30	-33.27	Horizontal
2412.014	105.91	111.96	-7.43	98.48	104.53	-	-	-	-	Horizontal
*4824.024	48.22	54.27	-0.19	48.03	54.08	54	74	-5.97	-19.92	Horizontal
7236.032	39.53	45.58	3.05	42.58	48.63	54	74	-11.42	-25.37	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:	May 5, 2010	Temperature:	25°C
EUT:	PC-SCAN	Humidity:	50%
Model No.:	GIDS	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel Middle 2437MHz	Test Engineer:	Joe

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	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	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	
2437.013	106.11	112.18	-7.36	98.75	104.82	-	-	-	-	Vertical
*4874.022	47.85	53.91	0.09	47.94	54.00	54	74	-6.06	-20.00	Vertical
*7311.031	41.09	47.17	3.22	44.31	50.39	54	74	-9.69	-23.61	Vertical
2437.013	105.79	111.86	-7.36	98.43	104.50	-	-	-	-	Horizontal
*4874.022	47.95	54.04	0.09	48.04	54.13	54	74	-5.96	-19.87	Horizontal
*7311.031	39.73	45.82	3.22	42.95	49.04	54	74	-11.05	-24.96	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:	May 5, 2010	Temperature:	25°C
EUT:	PC-SCAN	Humidity:	50%
Model No.:	GIDS	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Joe

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	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	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	
2462.014	106.31	112.38	-7.35	98.96	105.03	-	-	-	-	Vertical
*2483.500	40.96	47.00	-7.37	33.59	39.63	54	74	-20.41	-34.37	Vertical
*4924.024	48.49	54.62	0.34	48.83	54.96	54	74	-5.17	-19.04	Vertical
*7386.032	40.76	46.79	3.39	44.15	50.18	54	74	-9.85	-23.82	Vertical
2462.014	106.30	112.43	-7.35	98.95	105.08	-	-	-	-	Horizontal
*2483.500	41.33	47.37	-7.37	33.96	40.00	54	74	-20.04	-34.00	Horizontal
*4924.024	47.95	54.01	0.34	48.29	54.35	54	74	-5.71	-19.65	Horizontal
*7386.032	37.82	43.88	3.39	41.21	47.27	54	74	-12.79	-26.73	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:	May 5, 2010	Temperature:	25°C
EUT:	PC-SCAN	Humidity:	50%
Model No.:	GIDS	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Joe

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr. (dB)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2400.000	42.54	48.59	-7.46	35.08	41.13	54	74	-18.92	-32.87	Vertical
2412.016	106.77	112.89	-7.43	99.34	105.46	-	-	-	-	Vertical
*4824.026	48.67	54.76	-0.19	48.48	54.57	54	74	-5.52	-19.43	Vertical
7236.034	39.10	45.15	3.05	42.15	48.20	54	74	-11.85	-25.80	Vertical
2400.000	43.75	49.86	-7.46	36.29	42.40	54	74	-17.71	-31.60	Horizontal
2412.016	106.32	112.41	-7.43	98.89	104.98	-	-	-	-	Horizontal
*4824.026	49.02	55.09	-0.19	48.83	54.90	54	74	-5.17	-19.10	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:	May 5, 2010	Temperature:	25°C
EUT:	PC-SCAN	Humidity:	50%
Model No.:	GIDS	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel Middle 2437MHz	Test Engineer:	Joe

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	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	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	
2437.015	106.21	112.33	-7.36	98.85	104.97	-	-	-	-	Vertical
*4874.027	48.49	54.61	0.09	48.58	54.70	54	74	-5.42	-19.30	Vertical
*7311.034	39.72	45.85	3.22	42.94	49.07	54	74	-11.06	-24.93	Vertical
2437.015	106.58	112.74	-7.36	99.22	105.38	-	-	-	-	Horizontal
*4874.027	45.69	51.82	0.09	45.78	51.91	54	74	-8.22	-22.09	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:	May 5, 2010	Temperature:	25°C
EUT:	PC-SCAN	Humidity:	50%
Model No.:	GIDS	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Joe

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr. (dB)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2462.016	106.34	112.46	-7.35	98.99	105.11	-	-	-	-	Vertical
*2483.500	41.77	47.92	-7.37	34.40	40.55	54	74	-19.60	-33.45	Vertical
*4924.026	49.08	55.18	0.34	49.42	55.52	54	74	-4.58	-18.48	Vertical
*7386.035	41.54	47.64	3.39	44.93	51.03	54	74	-9.07	-22.97	Vertical
2462.016	106.00	112.08	-7.35	98.65	104.73	-	-	-	-	Horizontal
*2483.500	41.17	47.25	-7.37	33.80	39.88	54	74	-20.20	-34.12	Horizontal
*4924.026	47.65	53.78	0.34	47.99	54.12	54	74	-6.01	-19.88	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

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4714

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 1(802.11b)

Model: GIDS

Manufacturer: SPX

Polarization: Horizontal

Power Source: AC 120V/60Hz

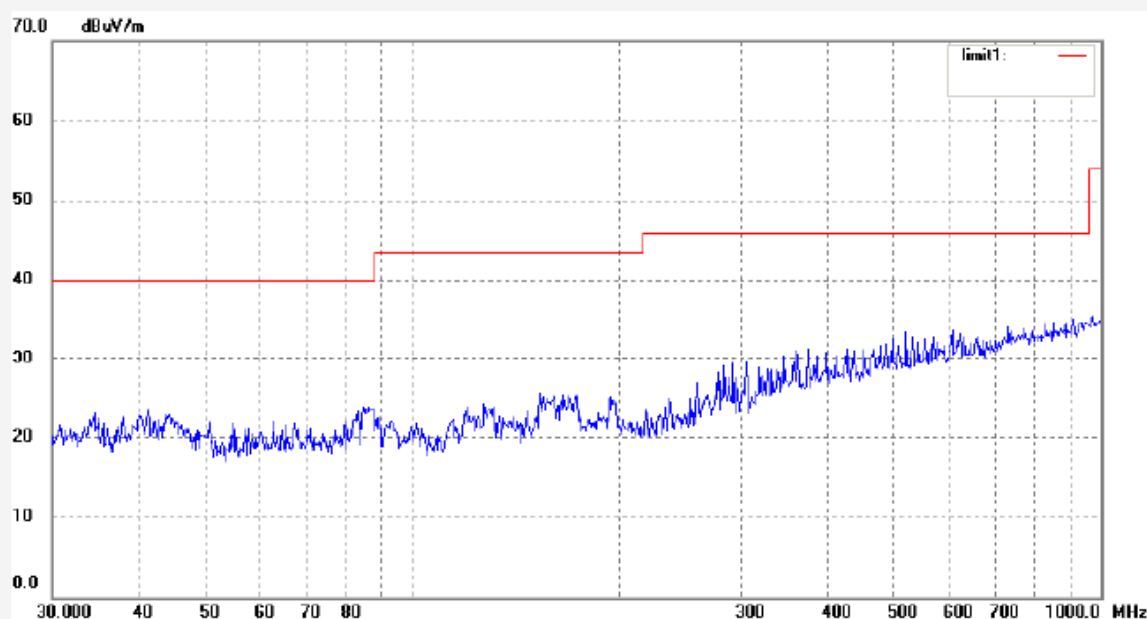
Date: 2010/05/05

Time: 10:51:12

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

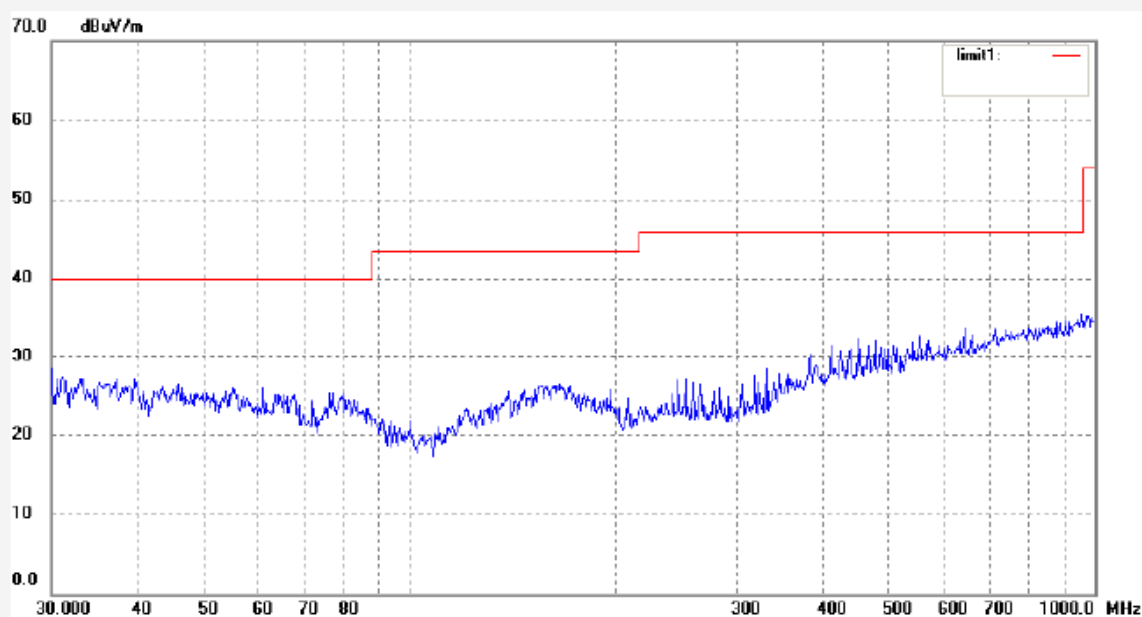
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4715
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channel 1(802.11b)
 Model: GIDS
 Manufacturer: SPX

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 10:54:55
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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

Job No.: RTTE #4726

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 1(802.11b)

Model: GIDS

Manufacturer: SPX

Polarization: Horizontal

Power Source: AC 120V/60Hz

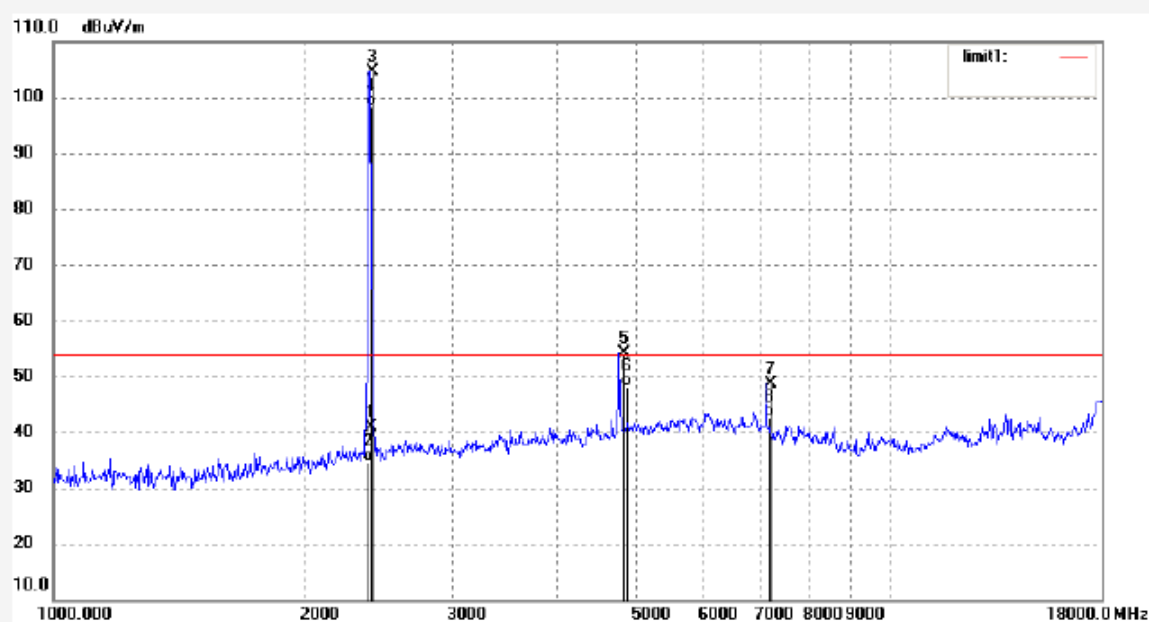
Date: 2010/05/05

Time: 11:50:04

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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	48.19	-7.46	40.73	54.00	-13.27	peak			
2	2400.000	42.16	-7.46	34.70	54.00	-19.30	AVG			
3	2412.014	111.96	-7.43	104.53	54.00	50.53	peak			
4	2412.014	105.91	-7.43	98.48	54.00	44.48	AVG			
5	4824.024	54.27	-0.19	54.08	54.00	0.08	peak			
6	4824.024	48.22	-0.19	48.03	54.00	-5.97	AVG			
7	7236.032	45.58	3.05	48.63	54.00	-5.37	peak			
8	7236.032	39.53	3.05	42.58	54.00	-11.42	AVG			


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

Job No.: RTTE #4727

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 1(802.11b)

Model: GIDS

Manufacturer: SPX

Polarization: Vertical

Power Source: AC 120V/60Hz

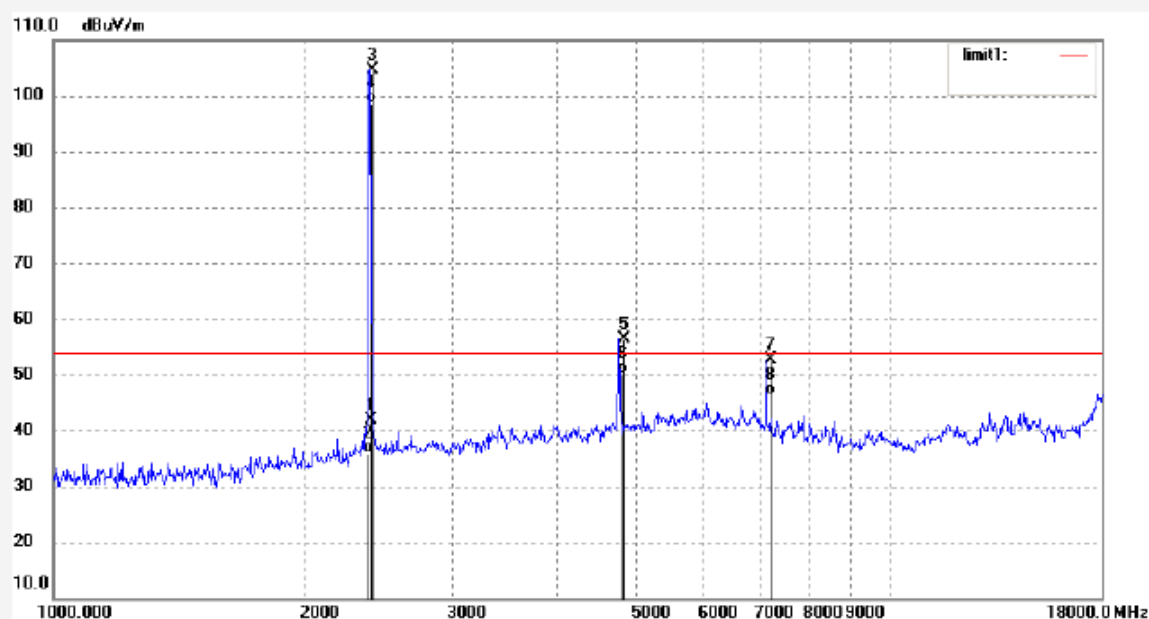
Date: 2010/05/05

Time: 11:54:28

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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	49.26	-7.46	41.80	54.00	-12.20	peak			
2	2400.000	43.24	-7.46	35.78	54.00	-18.22	AVG			
3	2412.014	112.13	-7.43	104.70	54.00	50.70	peak			
4	2412.014	106.08	-7.43	98.65	54.00	44.65	AVG			
5	4824.024	56.45	-0.19	56.26	54.00	2.26	peak			
6	4824.024	50.39	-0.19	50.20	54.00	-3.80	AVG			
7	7236.032	49.48	3.05	52.53	54.00	-1.47	peak			
8	7236.032	43.41	3.05	46.46	54.00	-7.54	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

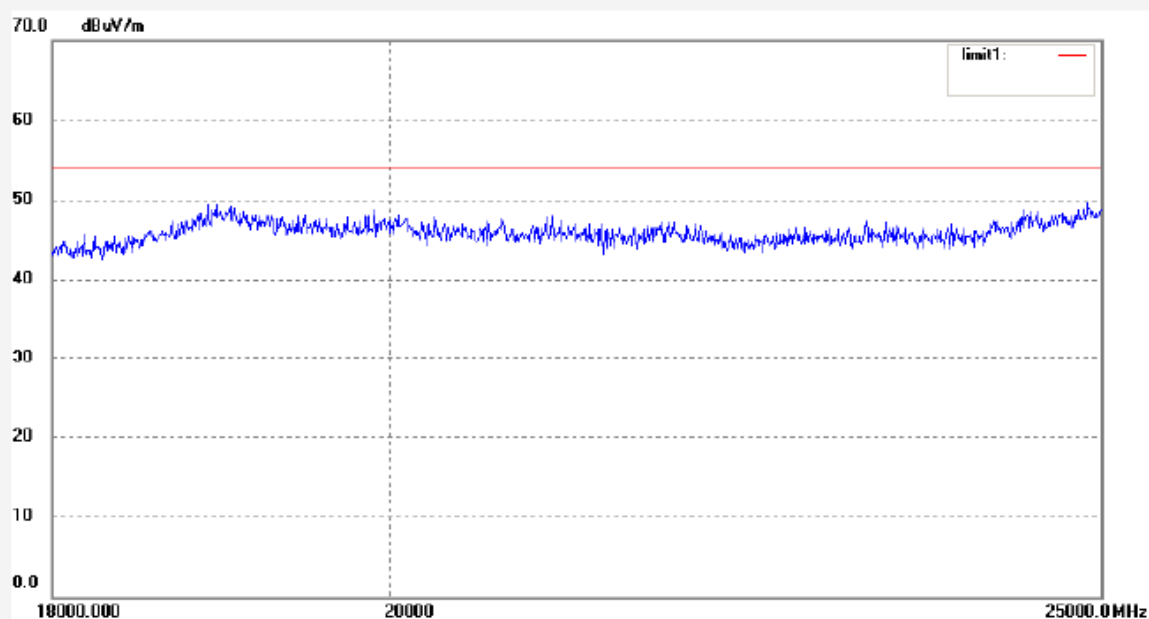
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4738
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 1(802.11b)
 Model: GIDS
 Manufacturer: SPX

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 14:07:23
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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ACCURATE TECHNOLOGY CO., LTD.

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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

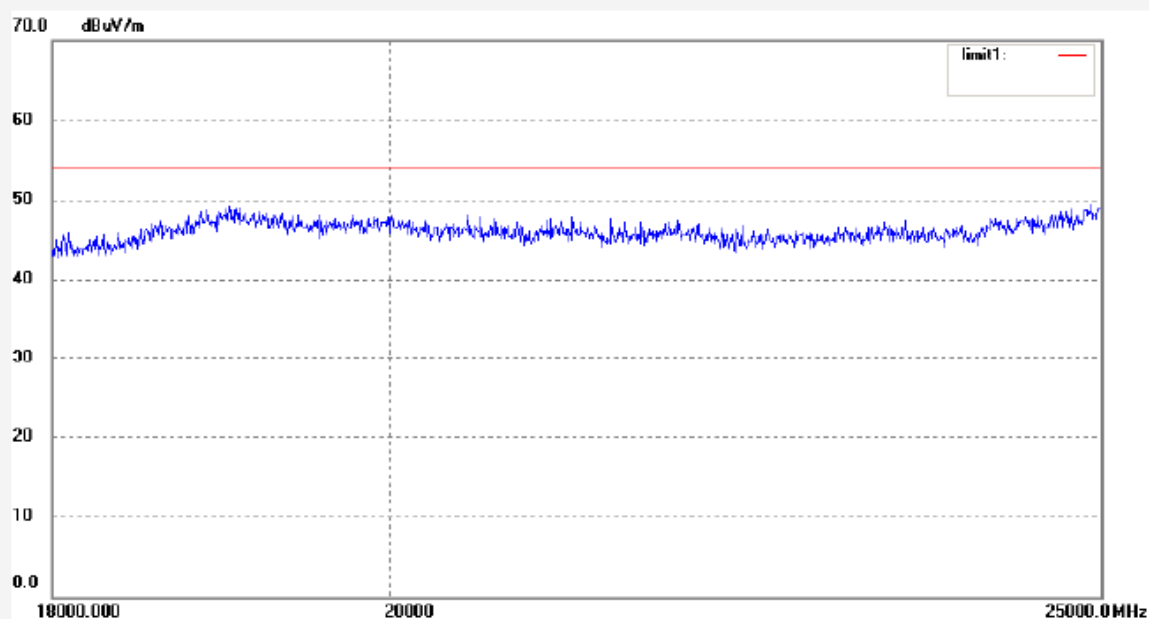
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: RTTE #4739
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 1(802.11b)
 Model: GIDS
 Manufacturer: SPX

 Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 14:11:29
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4717

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 6(802.11b)

Model: GIDS

Manufacturer: SPX

Polarization: Horizontal

Power Source: AC 120V/60Hz

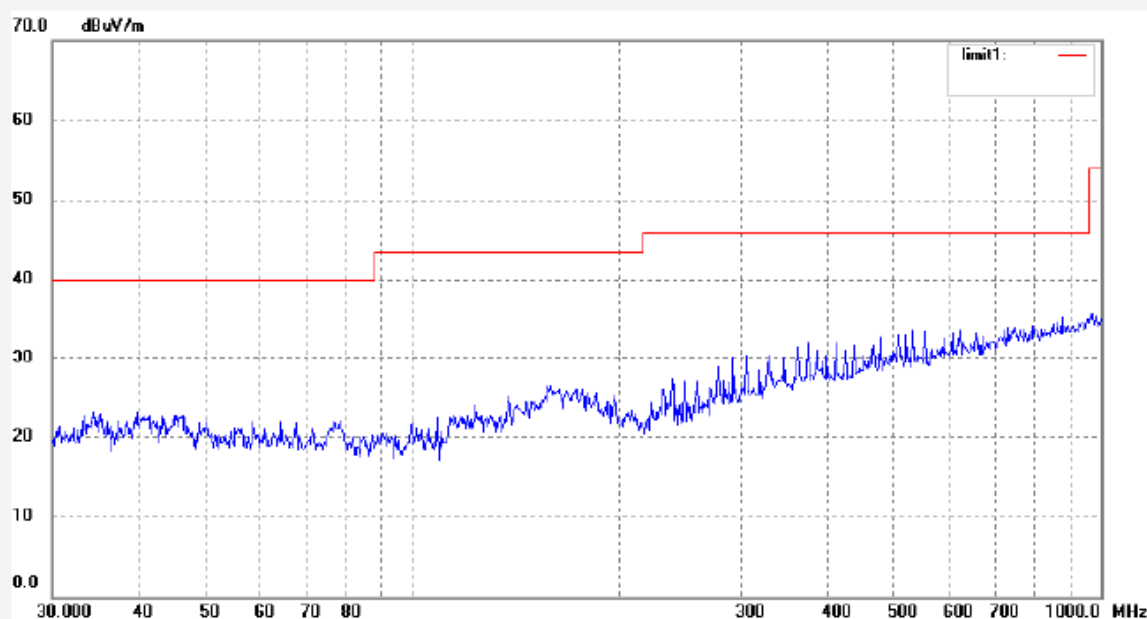
Date: 2010/05/05

Time: 11:03:19

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

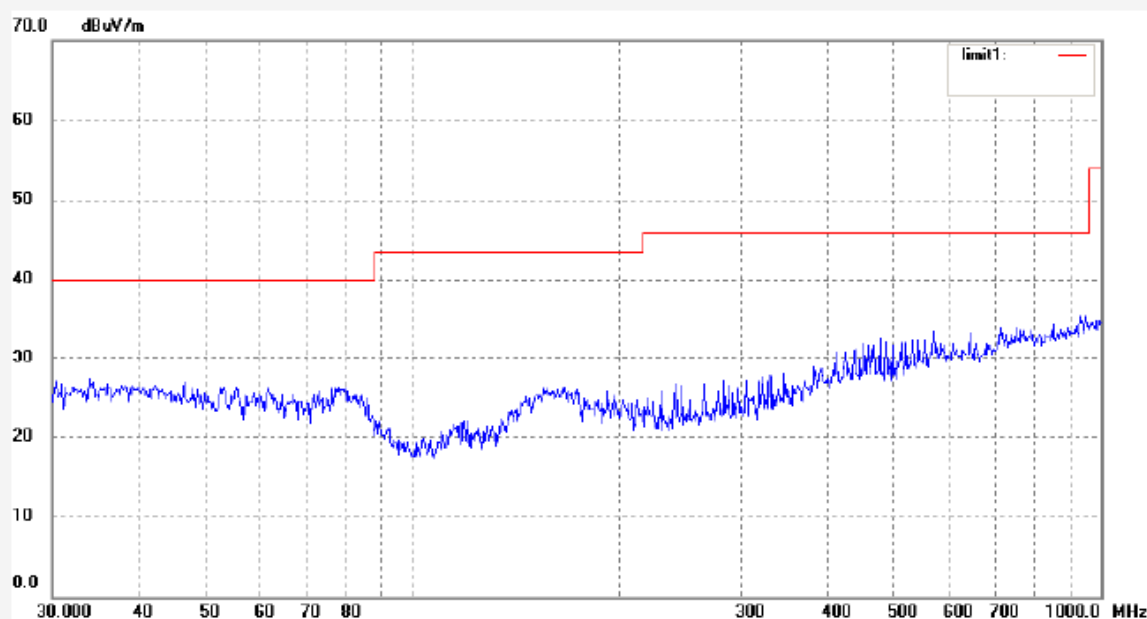
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4716
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 6(802.11b)
 Model: GIDS
 Manufacturer: SPX

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 10:59:37
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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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.: RTTE #4729

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 6(802.11b)

Model: GIDS

Manufacturer: SPX

Polarization: Horizontal

Power Source: AC 120V/60Hz

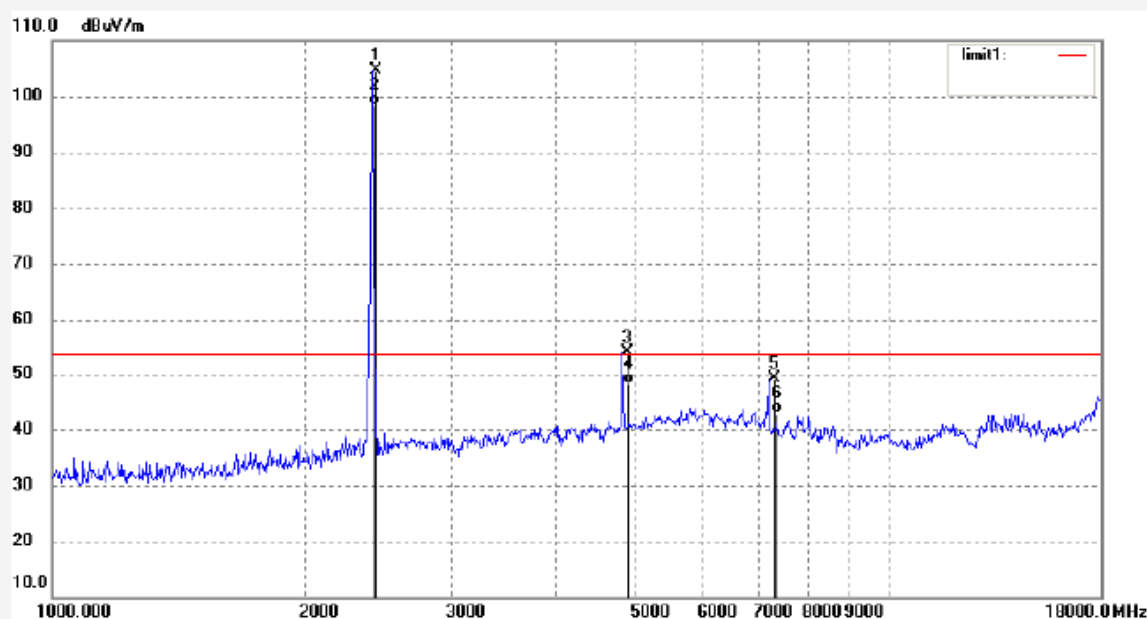
Date: 2010/05/05

Time: 12:04:14

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.013	111.86	-7.36	104.50	54.00	50.50	peak			
2	2437.013	105.79	-7.36	98.43	54.00	44.43	AVG			
3	4874.022	54.04	0.09	54.13	54.00	0.13	peak			
4	4874.022	47.95	0.09	48.04	54.00	-5.96	AVG			
5	7311.031	45.82	3.22	49.04	54.00	-4.96	peak			
6	7311.031	39.73	3.22	42.95	54.00	-11.05	AVG			



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

Job No.: RTTE #4728

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 6(802.11b)

Model: GIDS

Manufacturer: SPX

Polarization: Vertical

Power Source: AC 120V/60Hz

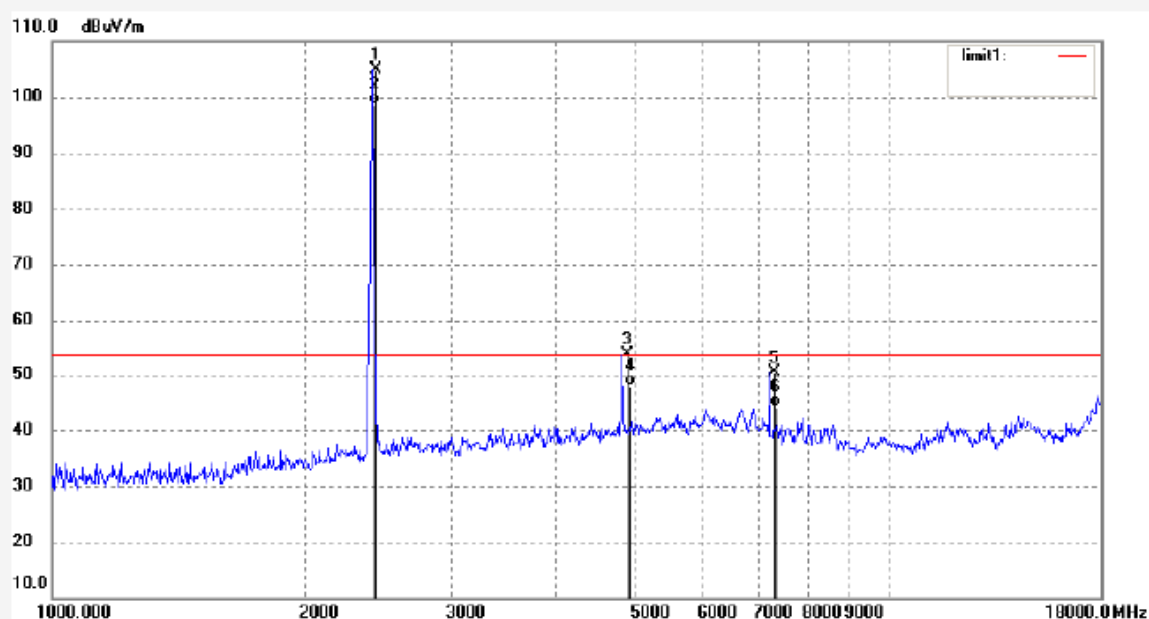
Date: 2010/05/05

Time: 11:59:39

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.013	112.18	-7.36	104.82	54.00	50.82	peak			
2	2437.013	106.11	-7.36	98.75	54.00	44.75	AVG			
3	4874.022	53.91	0.09	54.00	54.00	0.00	peak			
4	4874.022	47.85	0.09	47.94	54.00	-6.06	AVG			
5	7311.031	47.17	3.22	50.39	54.00	-3.61	peak			
6	7311.031	41.09	3.22	44.31	54.00	-9.69	AVG			


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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

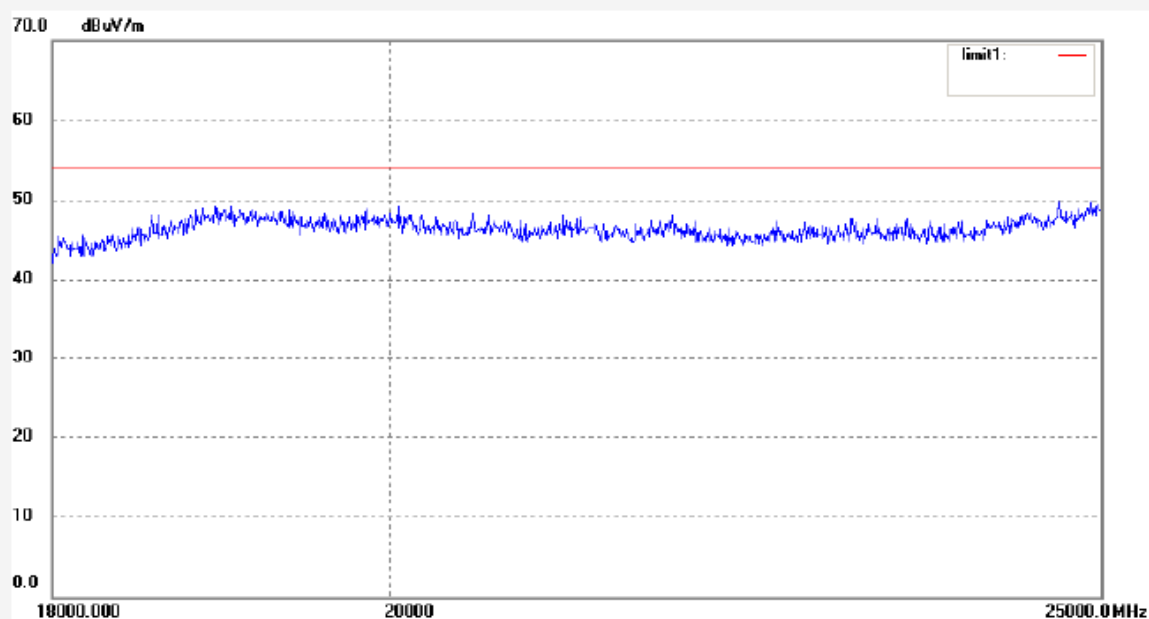
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: RTTE #4741
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 6(802.11b)
 Model: GIDS
 Manufacturer: SPX

 Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 14:20:03
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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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.: RTTE #4740

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 6(802.11b)

Model: GIDS

Manufacturer: SPX

Polarization: Vertical

Power Source: AC 120V/60Hz

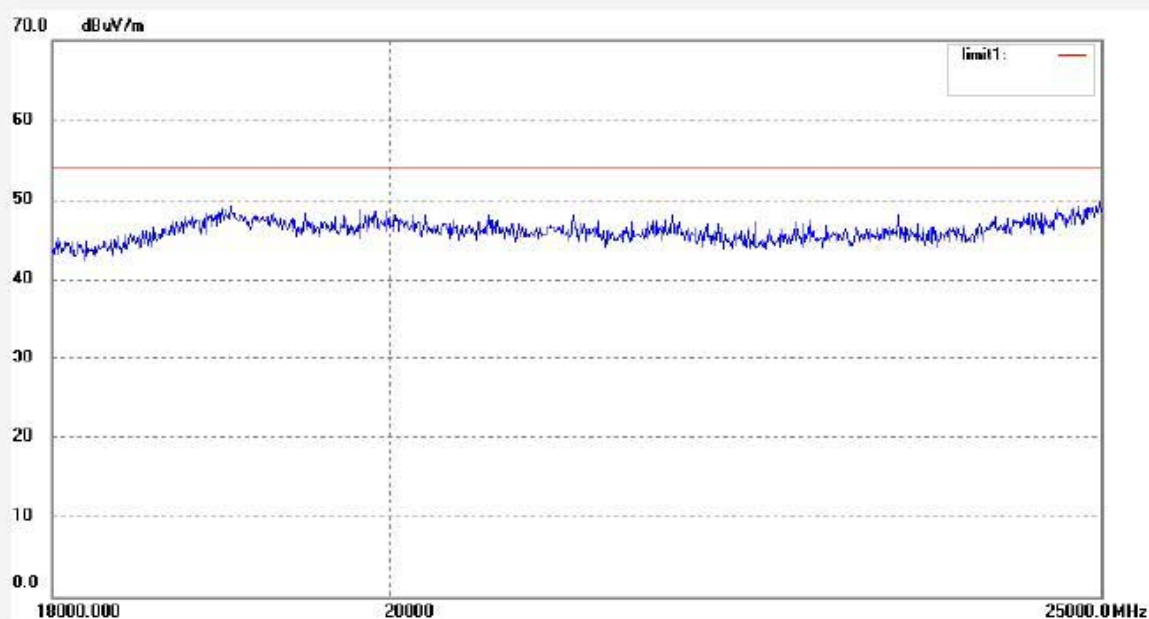
Date: 2010/05/05

Time: 14:15:54

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

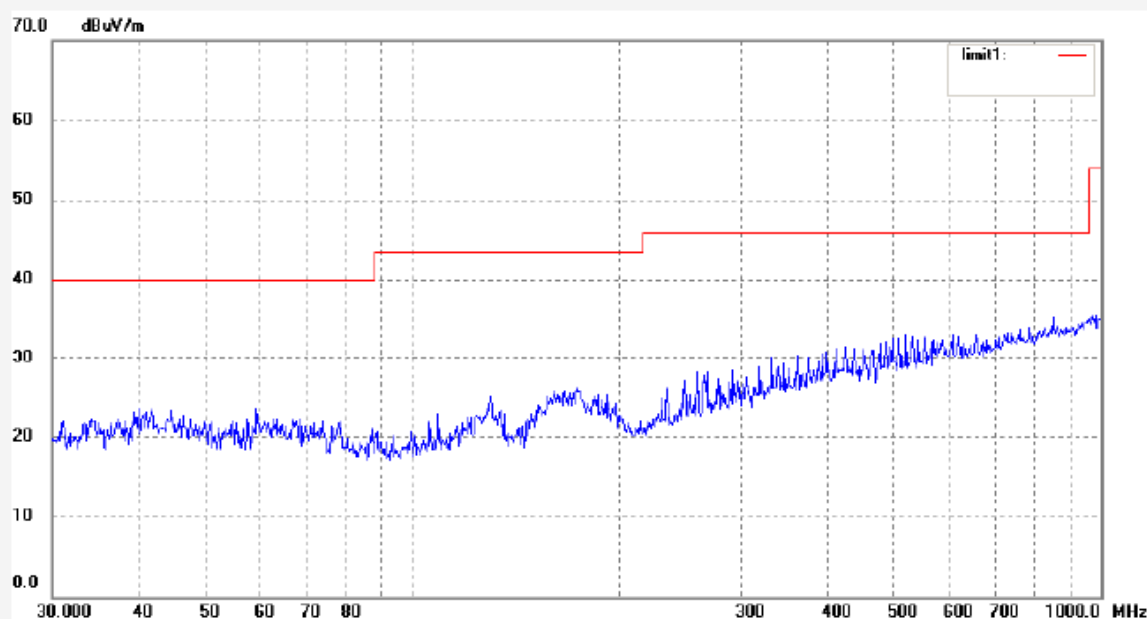
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4718
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 11(802.11b)
 Model: GIDS
 Manufacturer: SPX

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 11:07:54
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

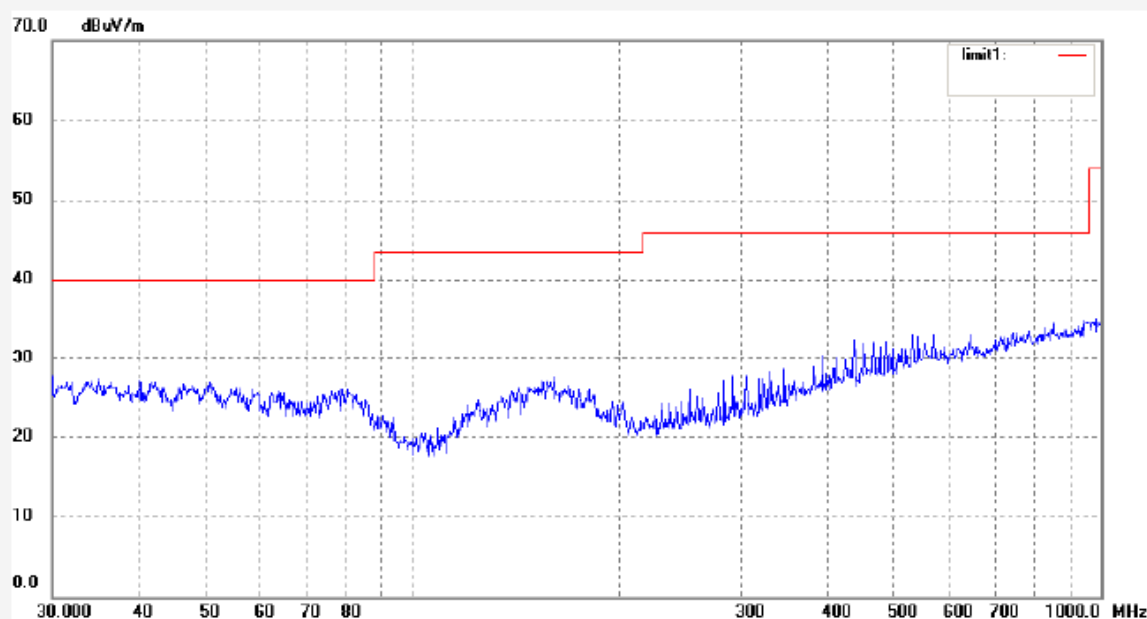
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4719
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 11(802.11b)
 Model: GIDS
 Manufacturer: SPX

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 11:11:39
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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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.: RTTE #4730

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 11(802.11b)

Model: GIDS

Manufacturer: SPX

Polarization: Horizontal

Power Source: AC 120V/60Hz

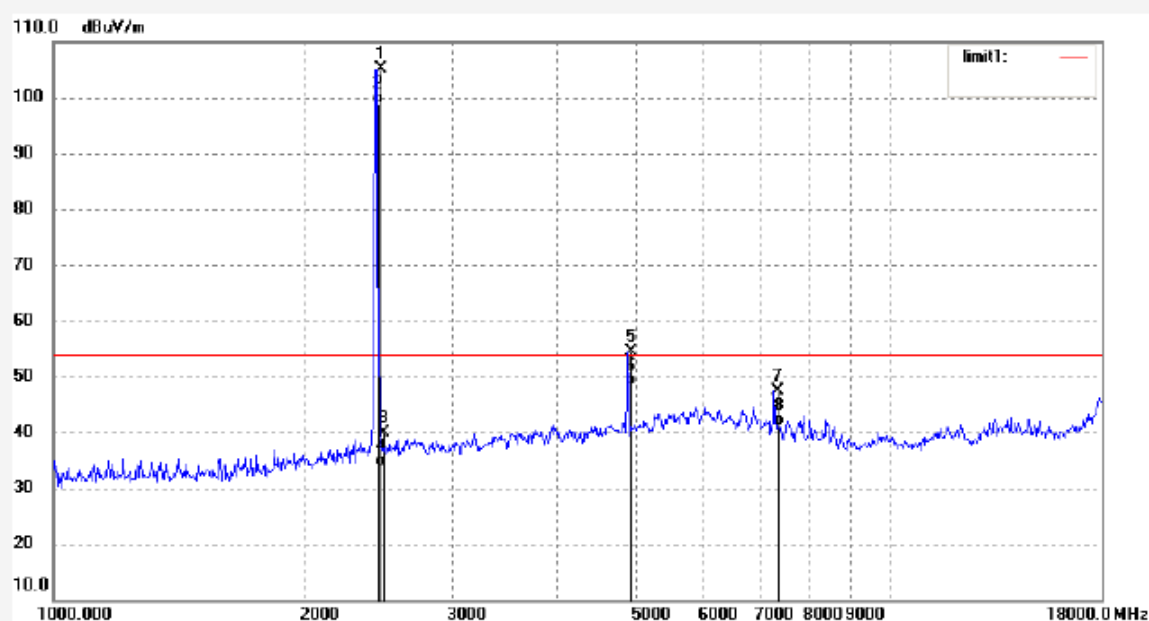
Date: 2010/05/05

Time: 12:09:36

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.014	112.43	-7.35	105.08	54.00	51.08	peak			
2	2462.014	106.30	-7.35	98.95	54.00	44.95	AVG			
3	2483.500	47.37	-7.37	40.00	54.00	-14.00	peak			
4	2483.500	41.33	-7.37	33.96	54.00	-20.04	AVG			
5	4924.024	54.01	0.34	54.35	54.00	0.35	peak			
6	4924.024	47.95	0.34	48.29	54.00	-5.71	AVG			
7	7386.032	43.88	3.39	47.27	54.00	-6.73	peak			
8	7386.032	37.82	3.39	41.21	54.00	-12.79	AVG			


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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4731

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 11(802.11b)

Model: GIDS

Manufacturer: SPX

Polarization: Vertical

Power Source: AC 120V/60Hz

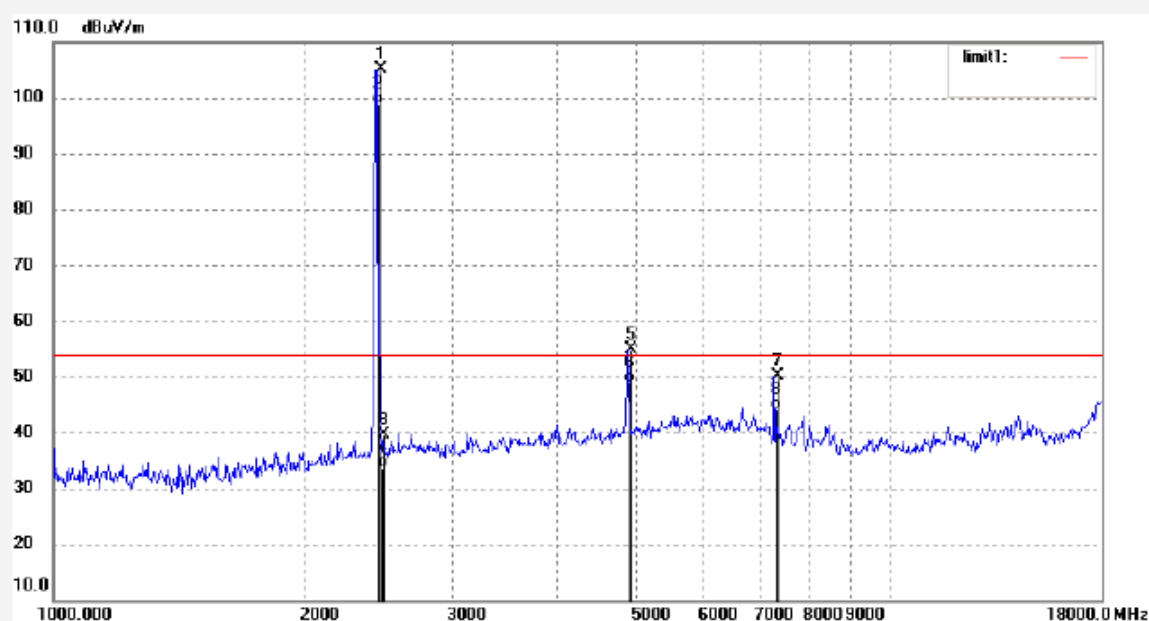
Date: 2010/05/05

Time: 12:13:57

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.014	112.38	-7.35	105.03	54.00	51.03	peak			
2	2462.014	106.31	-7.35	98.96	54.00	44.96	AVG			
3	2483.500	47.00	-7.37	39.63	54.00	-14.37	peak			
4	2483.500	40.96	-7.37	33.59	54.00	-20.41	AVG			
5	4924.024	54.62	0.34	54.96	54.00	0.96	peak			
6	4924.024	48.49	0.34	48.83	54.00	-5.17	AVG			
7	7386.032	46.79	3.39	50.18	54.00	-3.82	peak			
8	7386.032	40.76	3.39	44.15	54.00	-9.85	AVG			


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 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

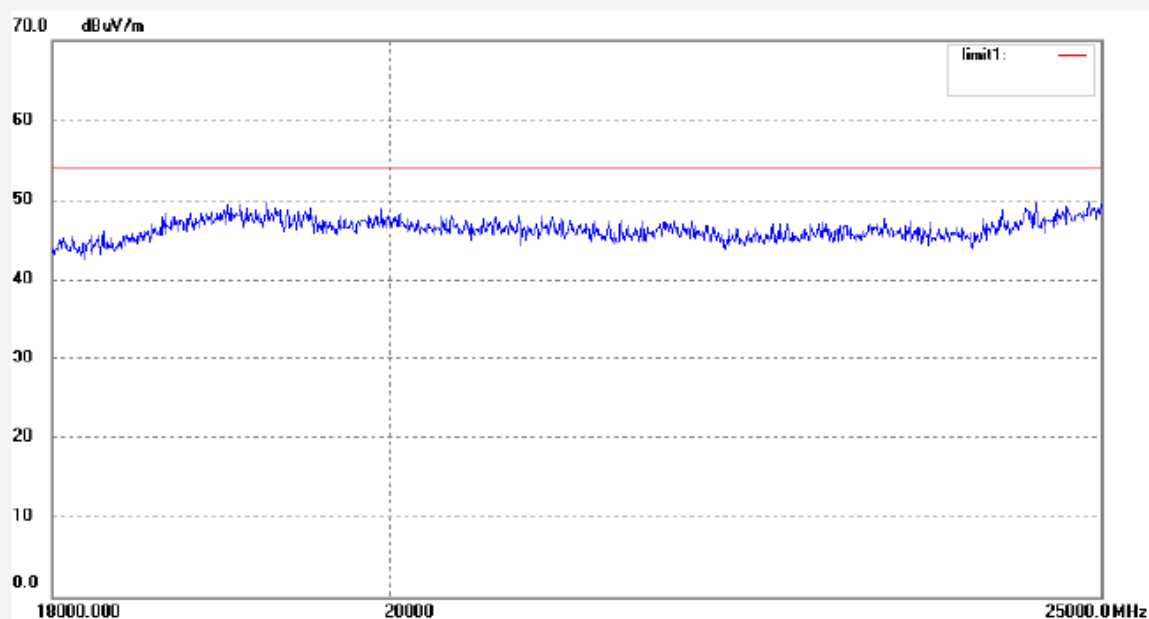
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4742
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 11(802.11b)
 Model: GIDS
 Manufacturer: SPX

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 14:24:36
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

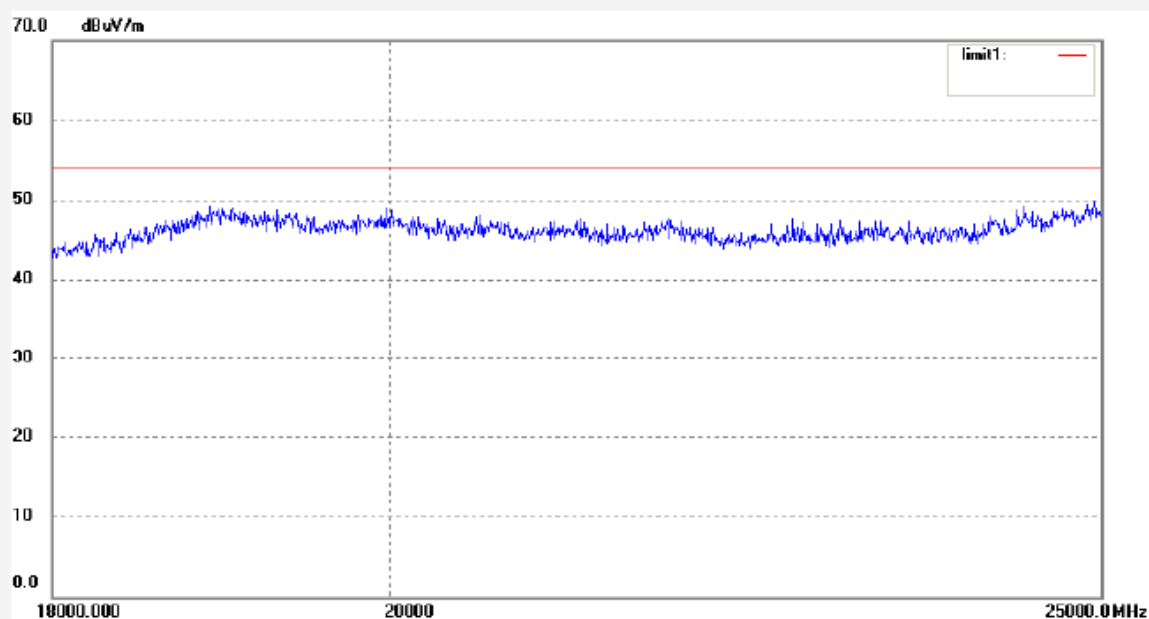
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4743
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 11(802.11b)
 Model: GIDS
 Manufacturer: SPX

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 14:28:47
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4721

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 1(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Horizontal

Power Source: AC 120V/60Hz

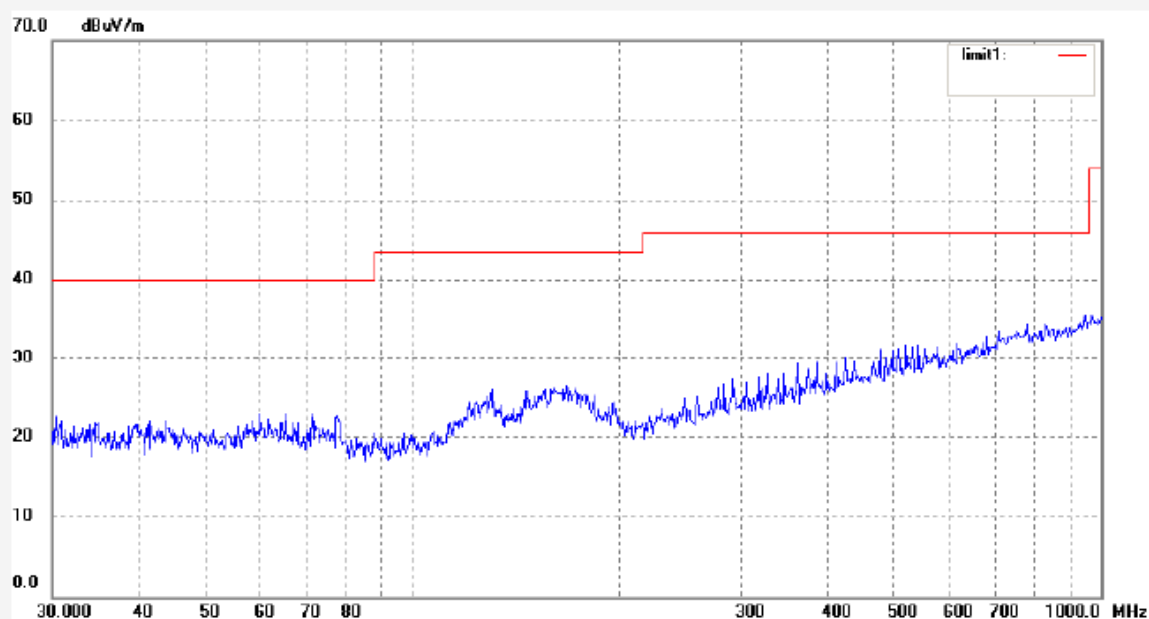
Date: 2010/05/05

Time: 11:22:35

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4720

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 1(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Vertical

Power Source: AC 120V/60Hz

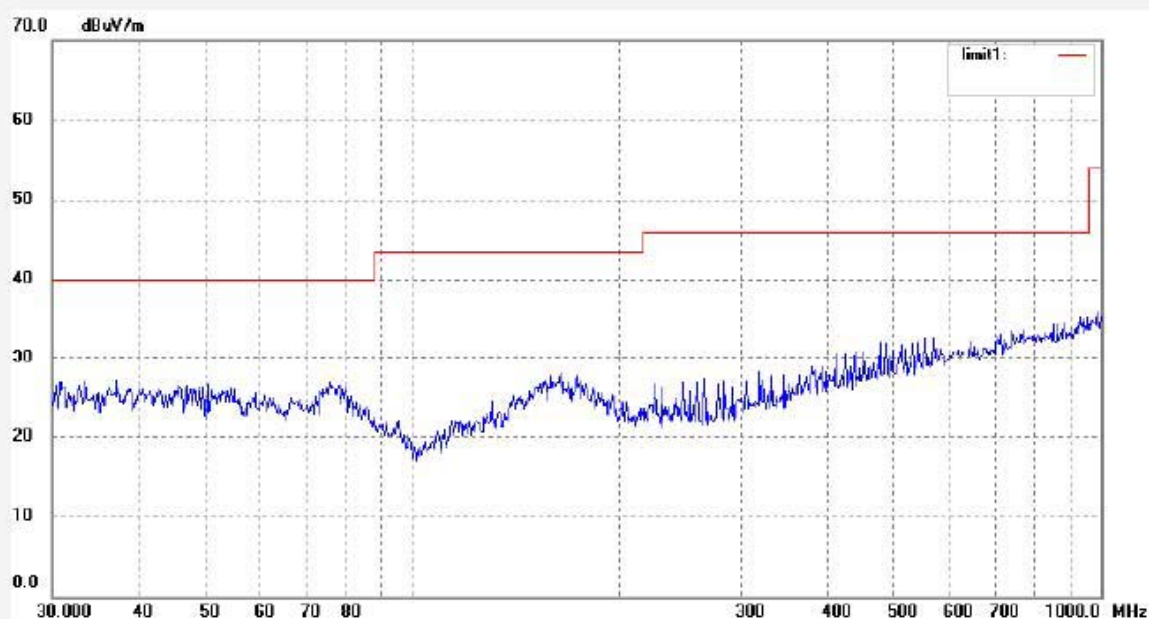
Date: 2010/05/05

Time: 11:17:56

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

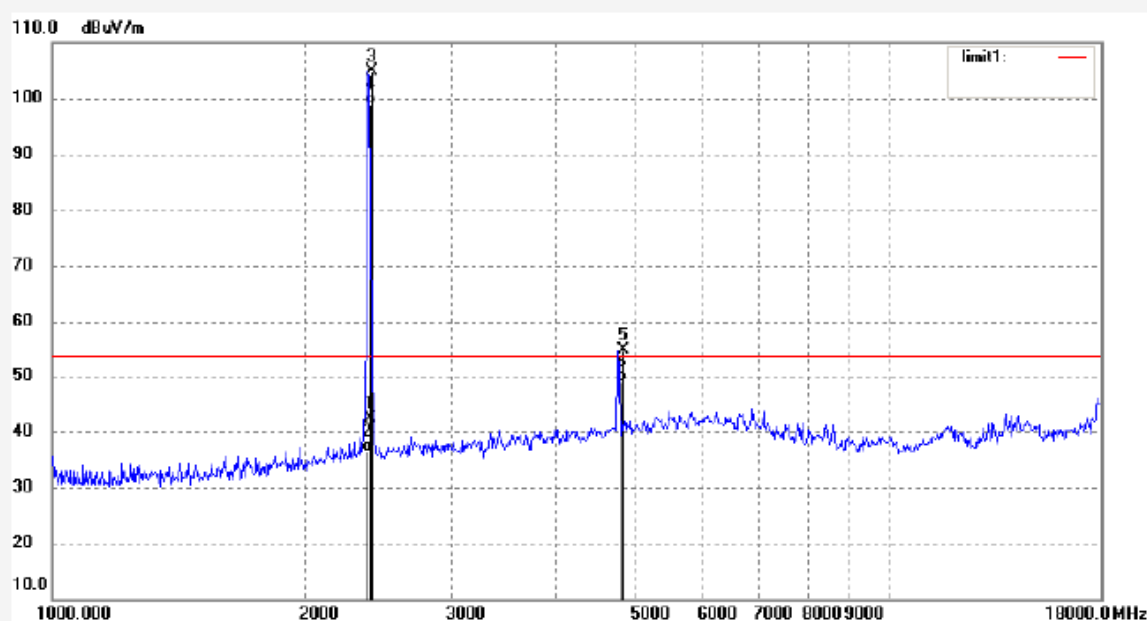
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: RTTE #4733
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 1(802.11g)
 Model: GIDS
 Manufacturer: SPX

 Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 13:39:20
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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	49.86	-7.46	42.40	54.00	-11.60	peak			
2	2400.000	43.75	-7.46	36.29	54.00	-17.71	AVG			
3	2412.016	112.41	-7.43	104.98	54.00	50.98	peak			
4	2412.016	106.32	-7.43	98.89	54.00	44.89	AVG			
5	4824.026	55.09	-0.19	54.90	54.00	0.90	peak			
6	4824.026	49.02	-0.19	48.83	54.00	-5.17	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: RTTE #4732

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 1(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Vertical

Power Source: AC 120V/60Hz

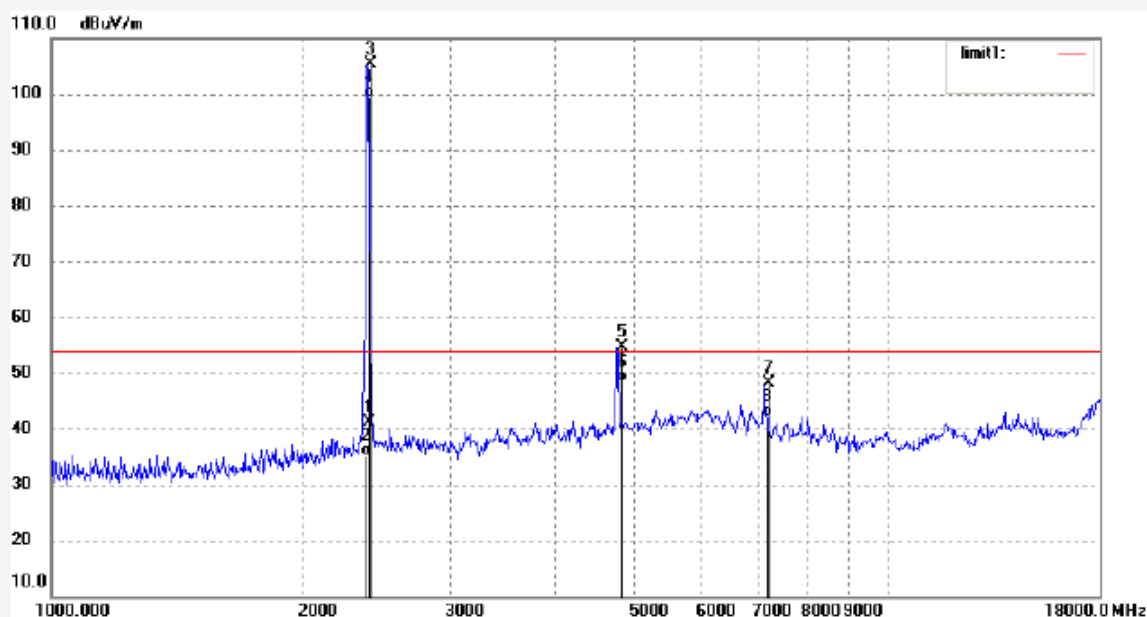
Date: 2010/05/05

Time: 13:34:59

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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	48.59	-7.46	41.13	54.00	-12.87	peak			
2	2400.000	42.54	-7.46	35.08	54.00	-18.92	AVG			
3	2412.016	112.89	-7.43	105.46	54.00	51.46	peak			
4	2412.016	106.77	-7.43	99.34	54.00	45.34	AVG			
5	4824.026	54.76	-0.19	54.57	54.00	0.57	peak			
6	4824.026	48.67	-0.19	48.48	54.00	-5.52	AVG			
7	7236.034	45.15	3.05	48.20	54.00	-5.80	peak			
8	7236.034	39.10	3.05	42.15	54.00	-11.85	AVG			


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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4745

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 1(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Horizontal

Power Source: AC 120V/60Hz

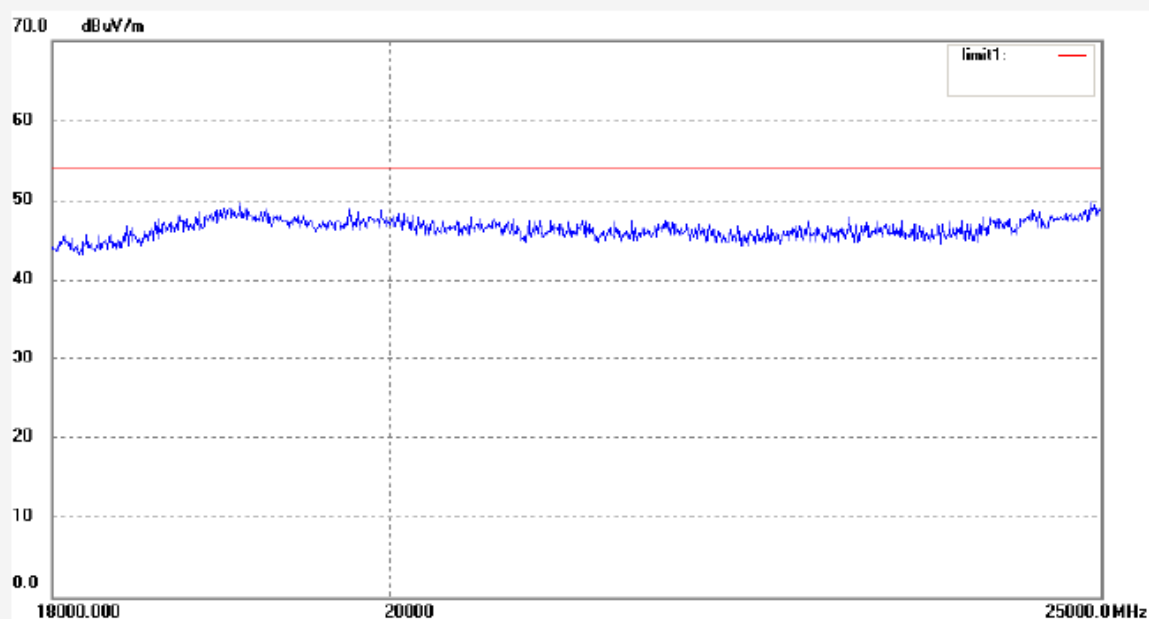
Date: 2010/05/05

Time: 14:39:24

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4744

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 1(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Vertical

Power Source: AC 120V/60Hz

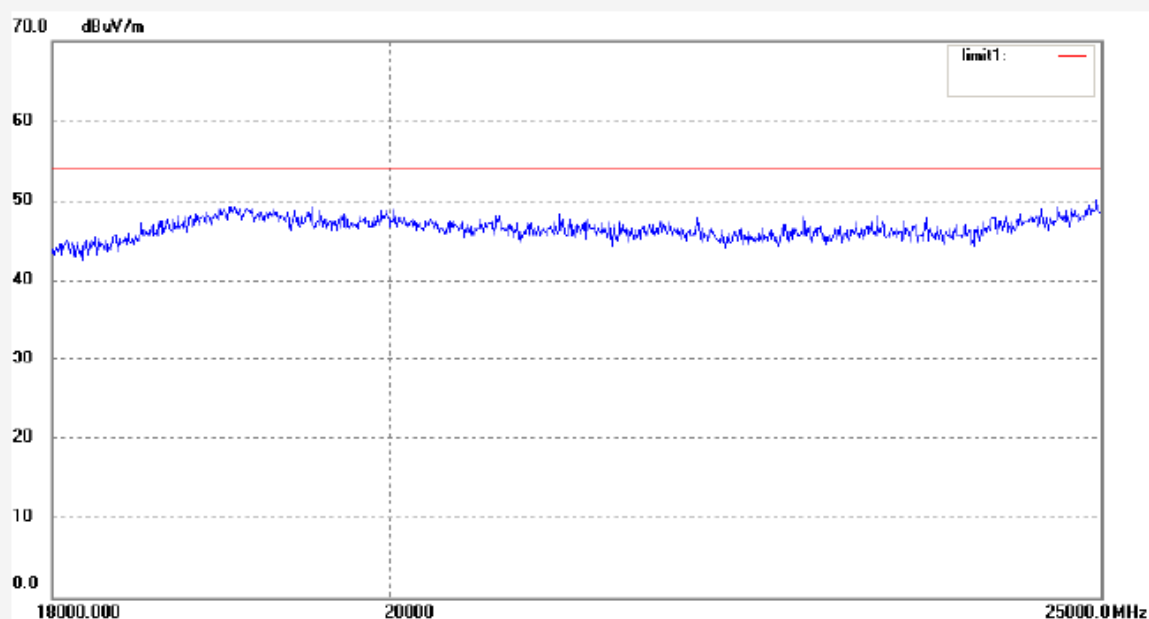
Date: 2010/05/05

Time: 14:35:11

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4722

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 6(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Horizontal

Power Source: AC 120V/60Hz

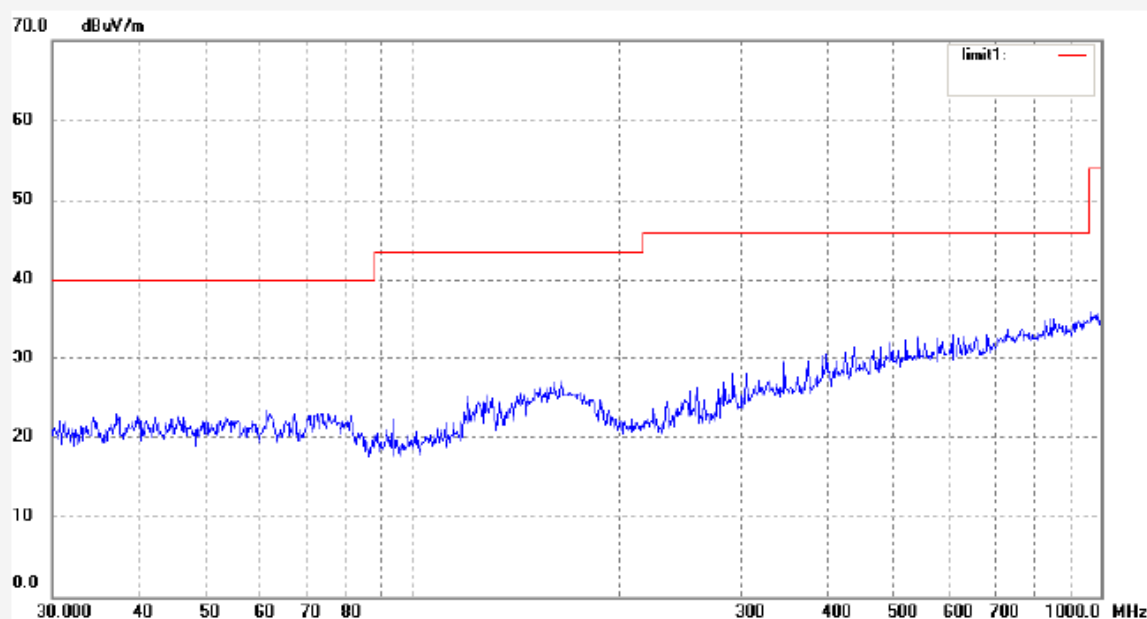
Date: 2010/05/05

Time: 11:27:18

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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Site: 966 chamber

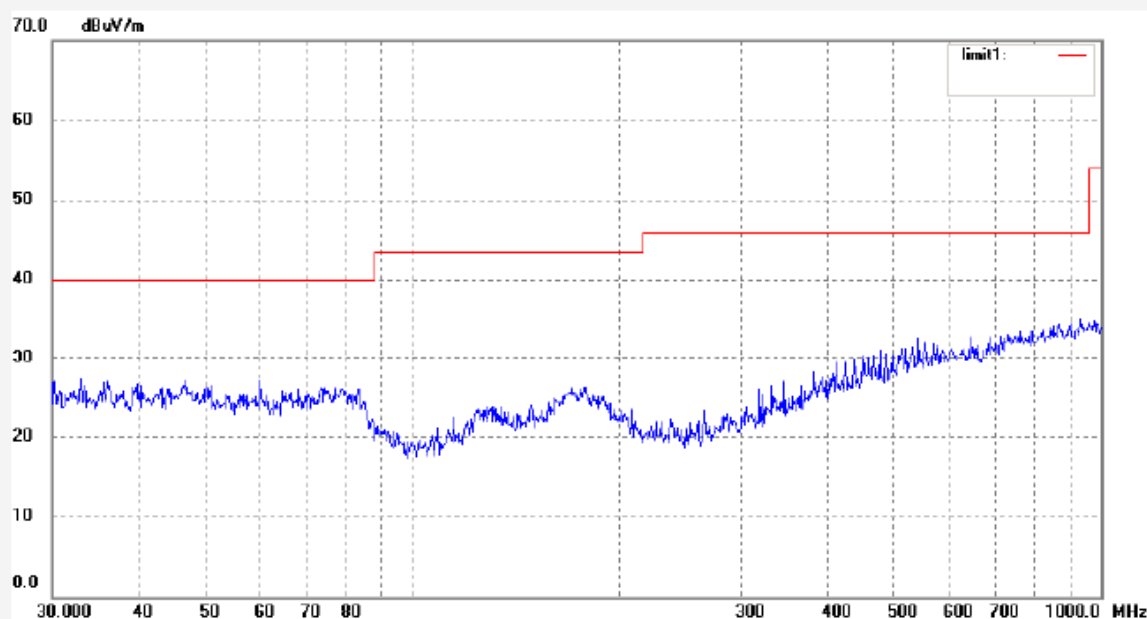
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4723
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: PC-SCAN
Mode: TX Channal 6(802.11g)
Model: GIDS
Manufacturer: SPX

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2010/05/05
Time: 11:31:00
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4734

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 6(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Horizontal

Power Source: AC 120V/60Hz

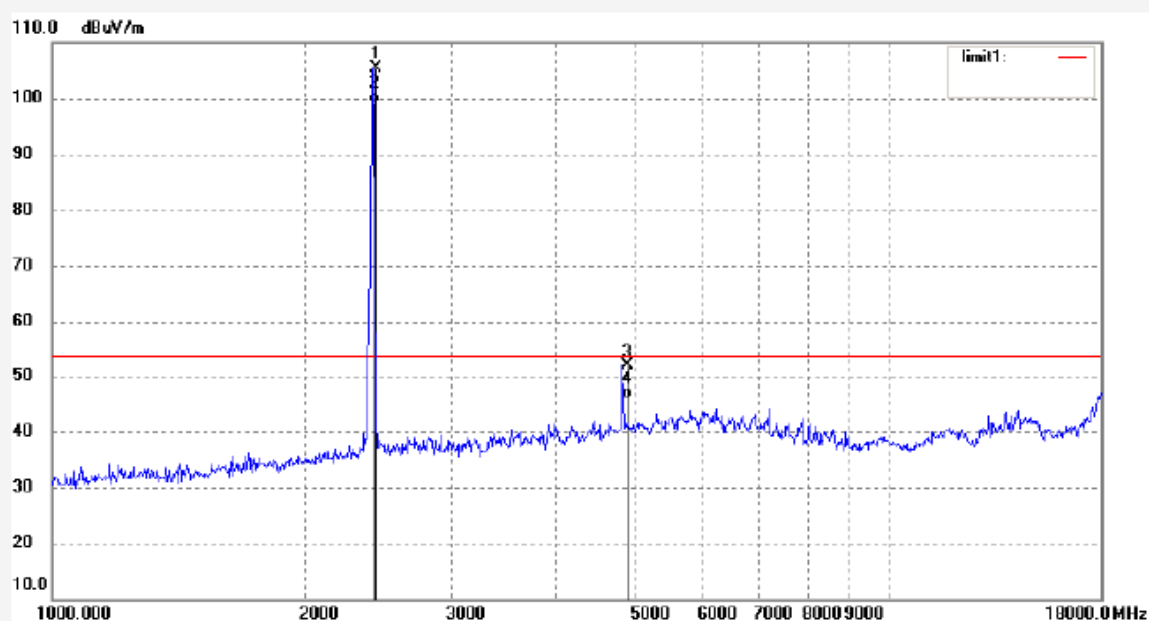
Date: 2010/05/05

Time: 13:44:28

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.015	112.74	-7.36	105.38	54.00	51.38	peak			
2	2437.015	106.58	-7.36	99.22	54.00	45.22	AVG			
3	4874.027	51.82	0.09	51.91	54.00	-2.09	peak			
4	4874.027	45.69	0.09	45.78	54.00	-8.22	AVG			


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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4735

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 6(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Vertical

Power Source: AC 120V/60Hz

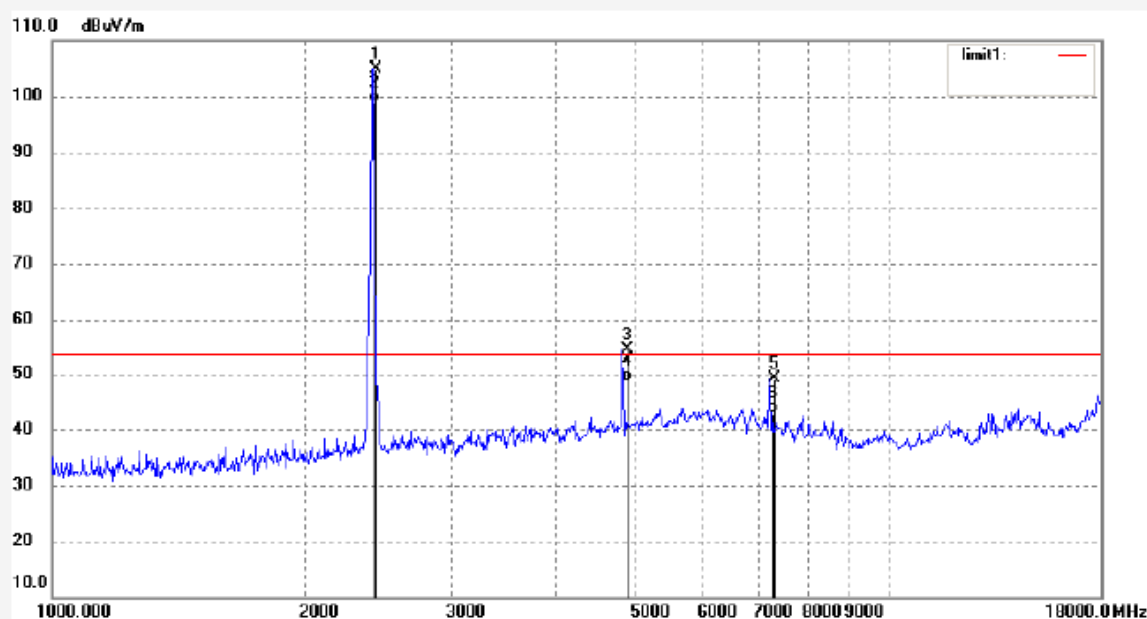
Date: 2010/05/05

Time: 13:48:49

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.015	112.33	-7.36	104.97	54.00	50.97	peak			
2	2437.015	106.21	-7.36	98.85	54.00	44.85	AVG			
3	4874.027	54.61	0.09	54.70	54.00	0.70	peak			
4	4874.027	48.49	0.09	48.58	54.00	-5.42	AVG			
5	7311.034	45.85	3.22	49.07	54.00	-4.93	peak			
6	7311.034	39.72	3.22	42.94	54.00	-11.06	AVG			


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Site: 966 chamber

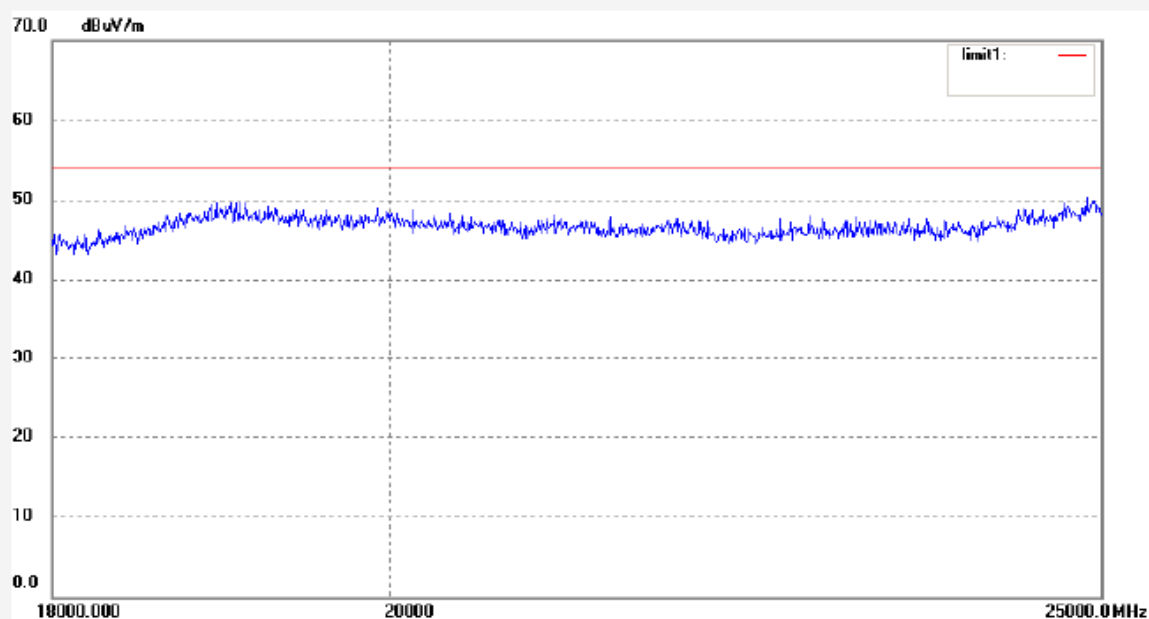
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4746
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 6(802.11g)
 Model: GIDS
 Manufacturer: SPX

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 14:43:57
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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Site: 966 chamber

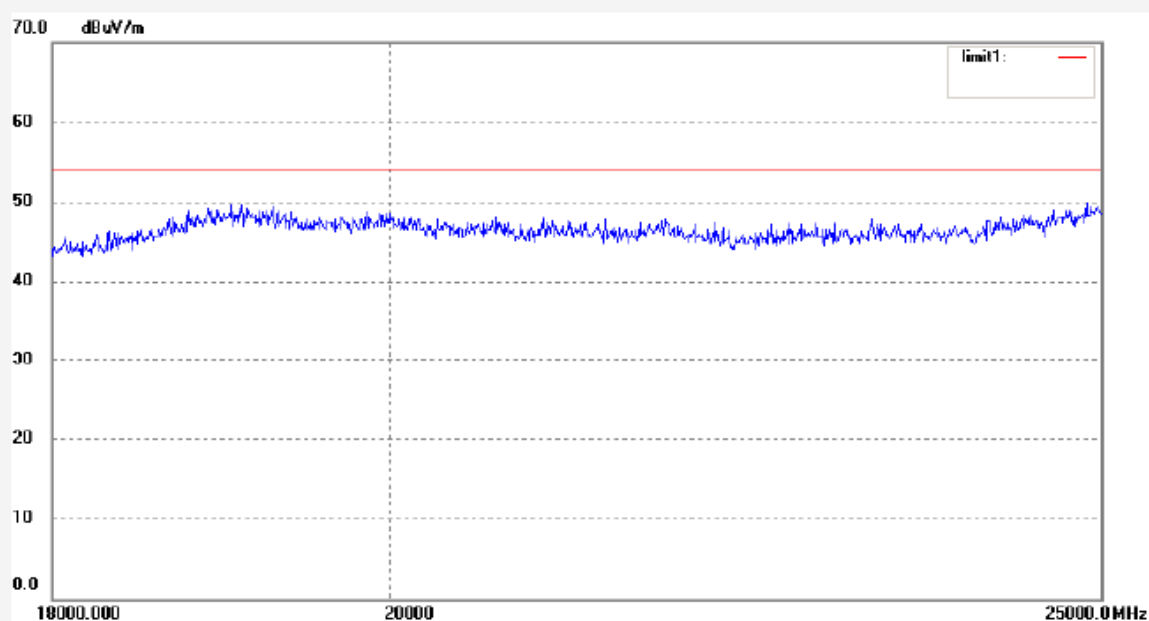
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: RTTE #4747
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 6(802.11g)
 Model: GIDS
 Manufacturer: SPX

 Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 14:48:08
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

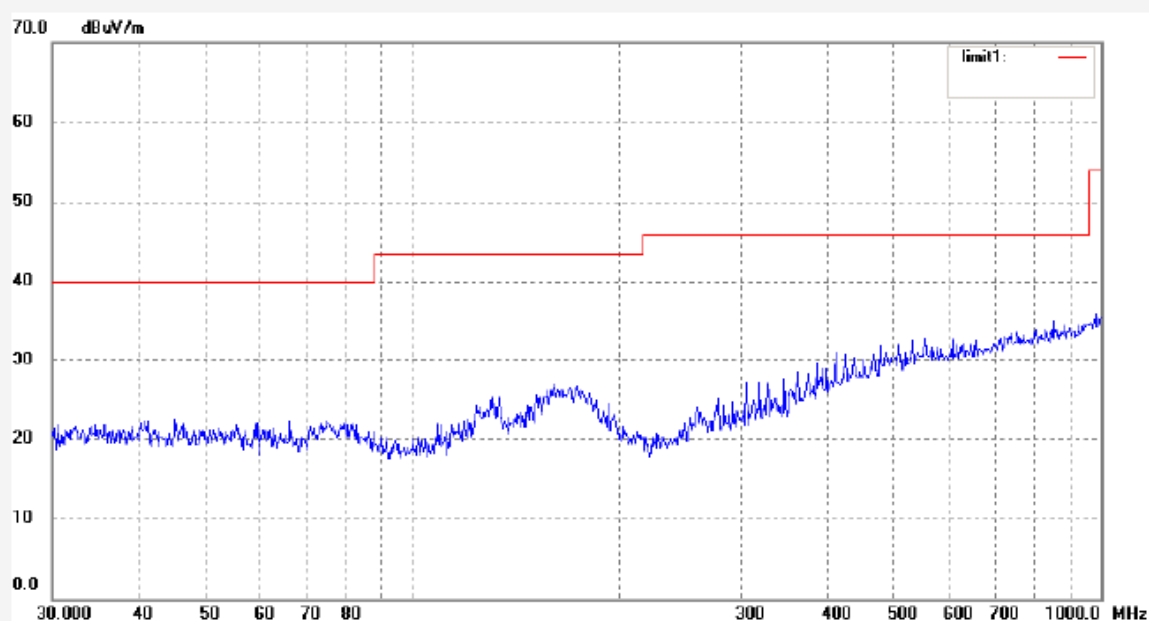
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4725
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 11(802.11g)
 Model: GIDS
 Manufacturer: SPX

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 11:39:26
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4724

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 11(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Vertical

Power Source: AC 120V/60Hz

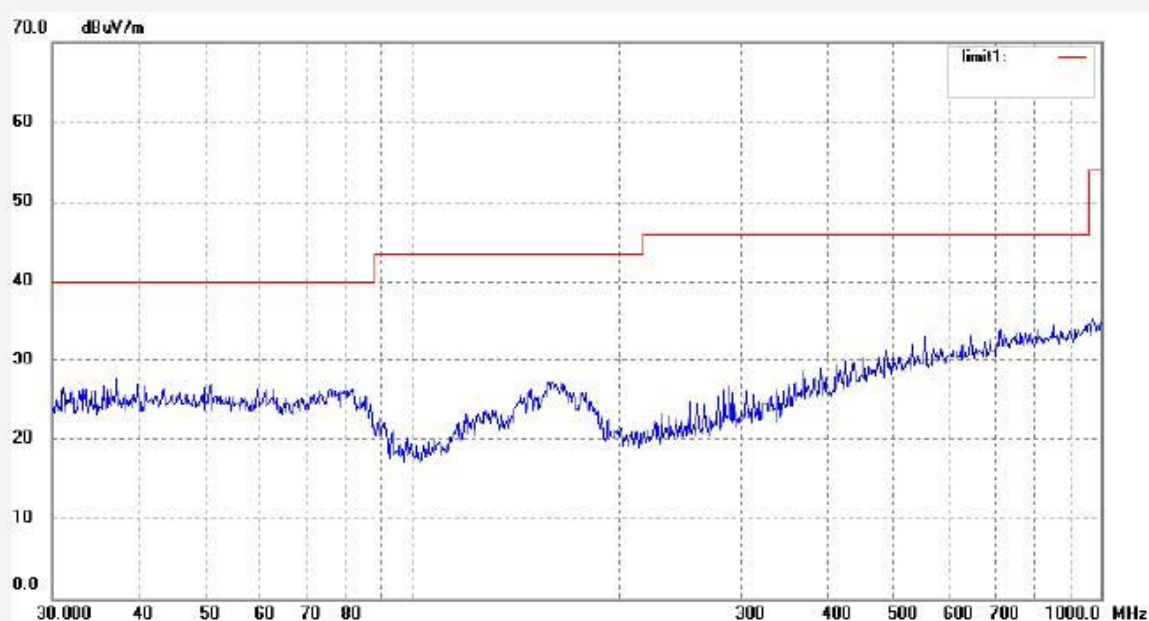
Date: 2010/05/05

Time: 11:35:41

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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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.: RTTE #4737

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 11(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Horizontal

Power Source: AC 120V/60Hz

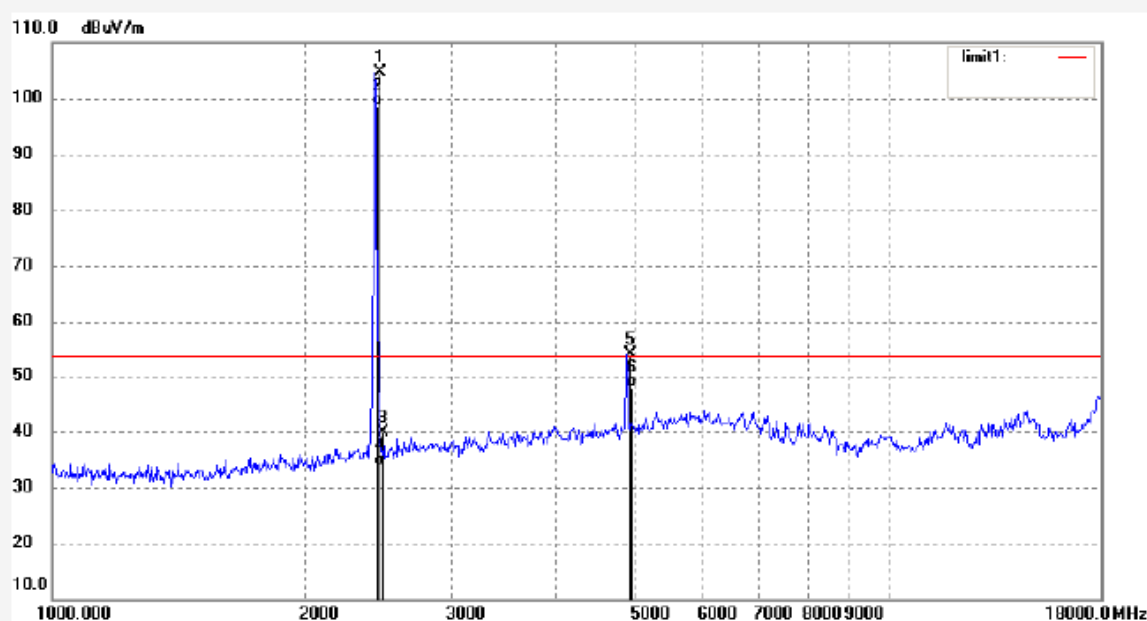
Date: 2010/05/05

Time: 13:58:19

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.016	112.08	-7.35	104.73	54.00	50.73	peak			
2	2462.016	106.00	-7.35	98.65	54.00	44.65	AVG			
3	2483.500	47.25	-7.37	39.88	54.00	-14.12	peak			
4	2483.500	41.17	-7.37	33.80	54.00	-20.20	AVG			
5	4924.026	53.78	0.34	54.12	54.00	0.12	peak			
6	4924.026	47.65	0.34	47.99	54.00	-6.01	AVG			


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

Job No.: RTTE #4736

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 11(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Vertical

Power Source: AC 120V/60Hz

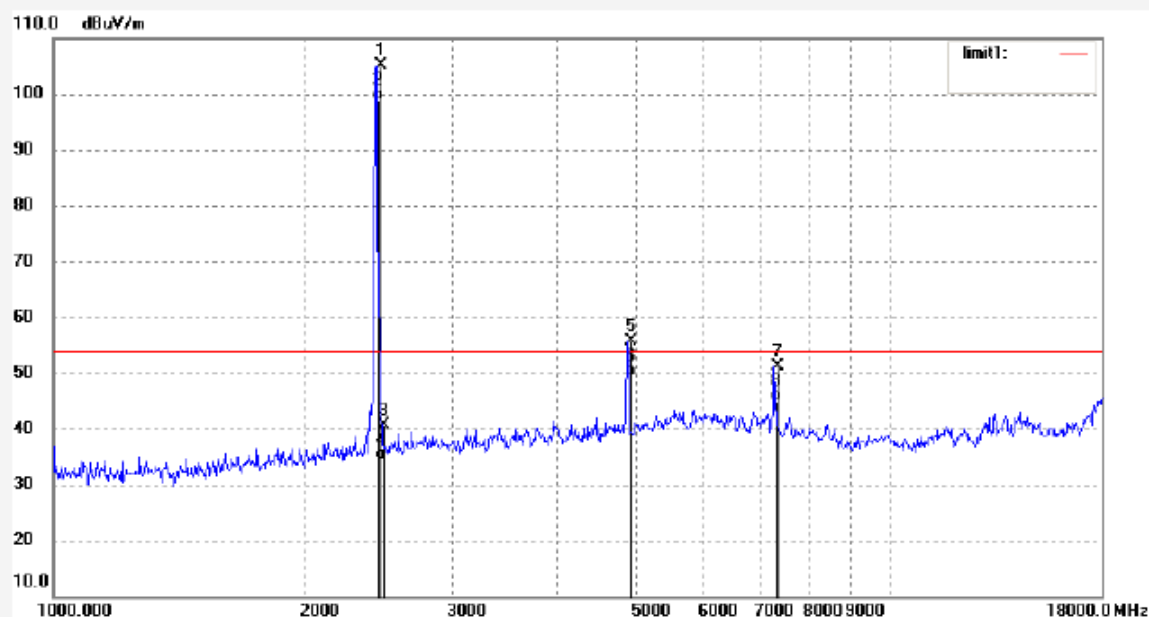
Date: 2010/05/05

Time: 13:53:52

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.016	112.46	-7.35	105.11	54.00	51.11	peak			
2	2462.016	106.34	-7.35	98.99	54.00	44.99	AVG			
3	2483.500	47.92	-7.37	40.55	54.00	-13.45	peak			
4	2483.500	41.77	-7.37	34.40	54.00	-19.60	AVG			
5	4924.026	55.18	0.34	55.52	54.00	1.52	peak			
6	4924.026	49.08	0.34	49.42	54.00	-4.58	AVG			
7	7386.035	47.64	3.39	51.03	54.00	-2.97	peak			
8	7386.035	41.54	3.39	44.93	54.00	-9.07	AVG			


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Site: 966 chamber

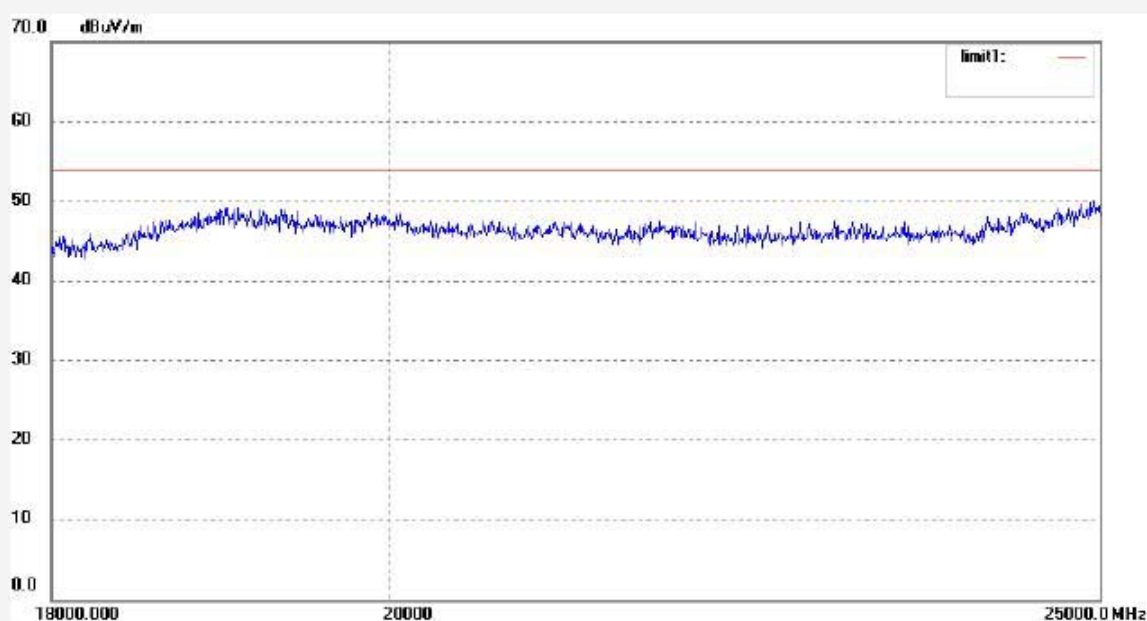
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4749
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: PC-SCAN
 Mode: TX Channal 11(802.11g)
 Model: GIDS
 Manufacturer: SPX

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2010/05/05
 Time: 14:56:58
 Engineer Signature: Joe
 Distance: 3m

Note: Sample No.:100900 Report No.:ATE20100831



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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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #4748

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: PC-SCAN

Mode: TX Channal 11(802.11g)

Model: GIDS

Manufacturer: SPX

Polarization: Vertical

Power Source: AC 120V/60Hz

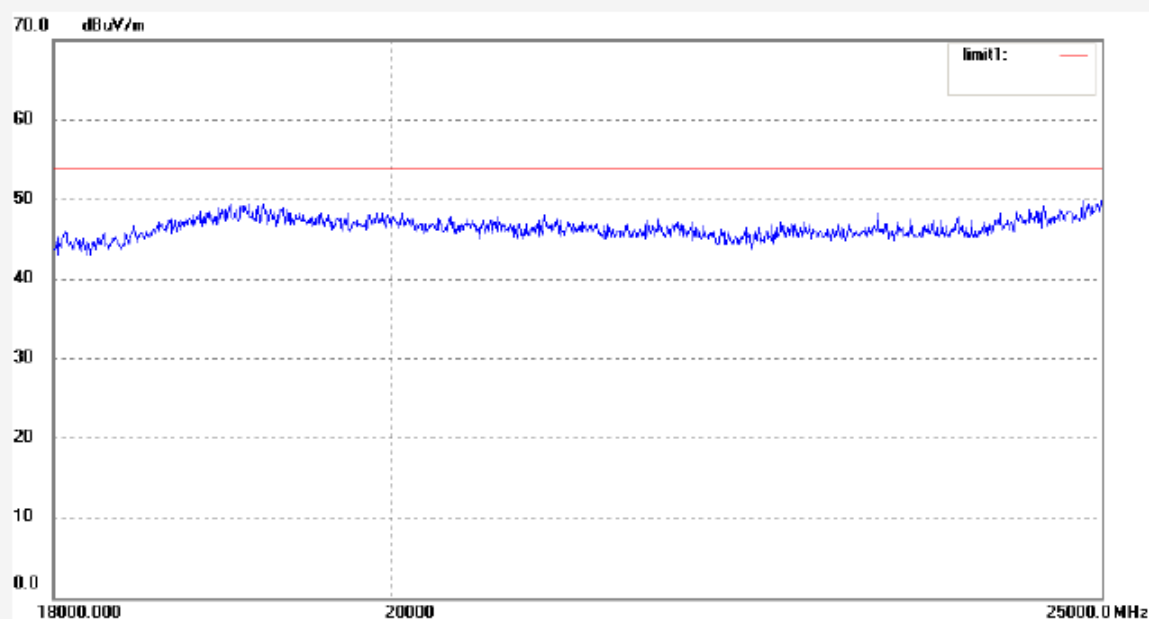
Date: 2010/05/05

Time: 14:52:49

Engineer Signature: Joe

Distance: 3m

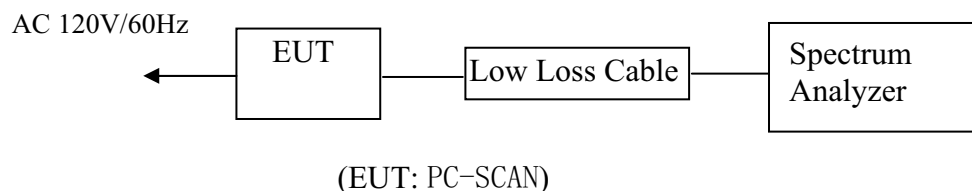
Note: Sample No.:100900 Report No.:ATE20100831



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



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 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.

10.3.1.PC-SCAN (EUT)

Model Number	:	GIDS
Serial Number	:	N/A
Manufacturer	:	SPX Transportation & Industrial Solutions (Suzhou) 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.

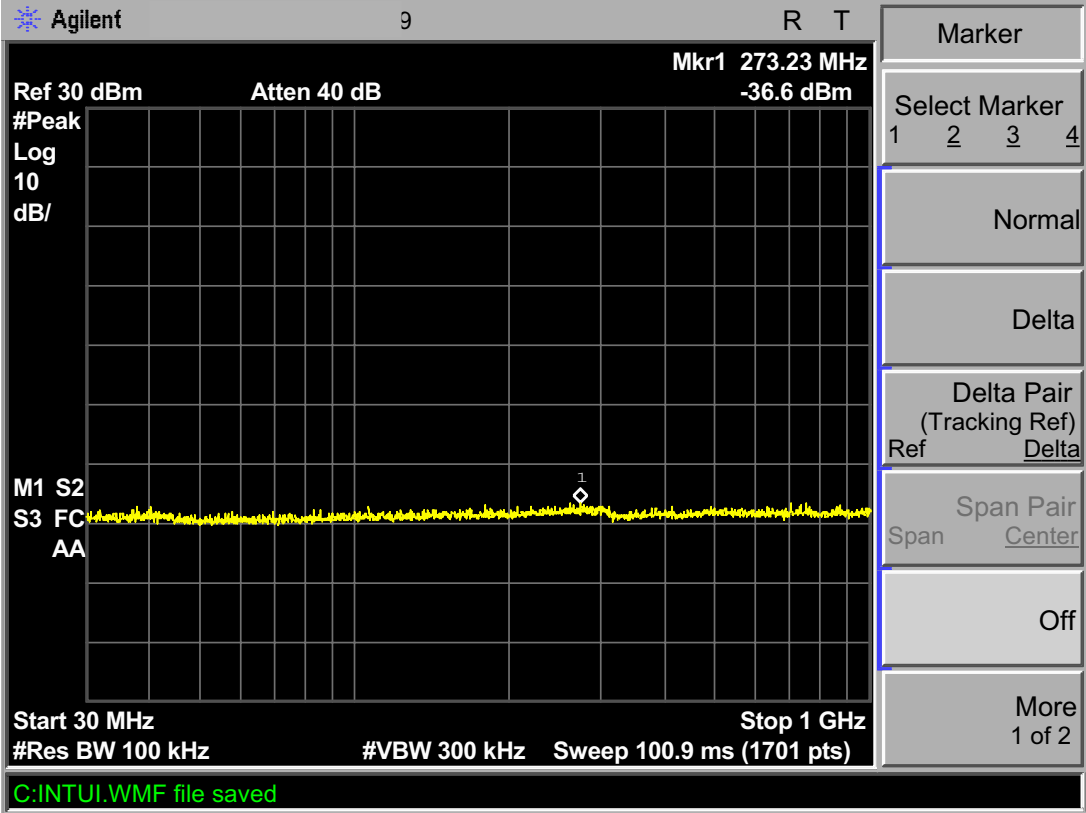
10.5.3.The Conducted Spurious Emission was measured and recorded.

10.6.Test Result

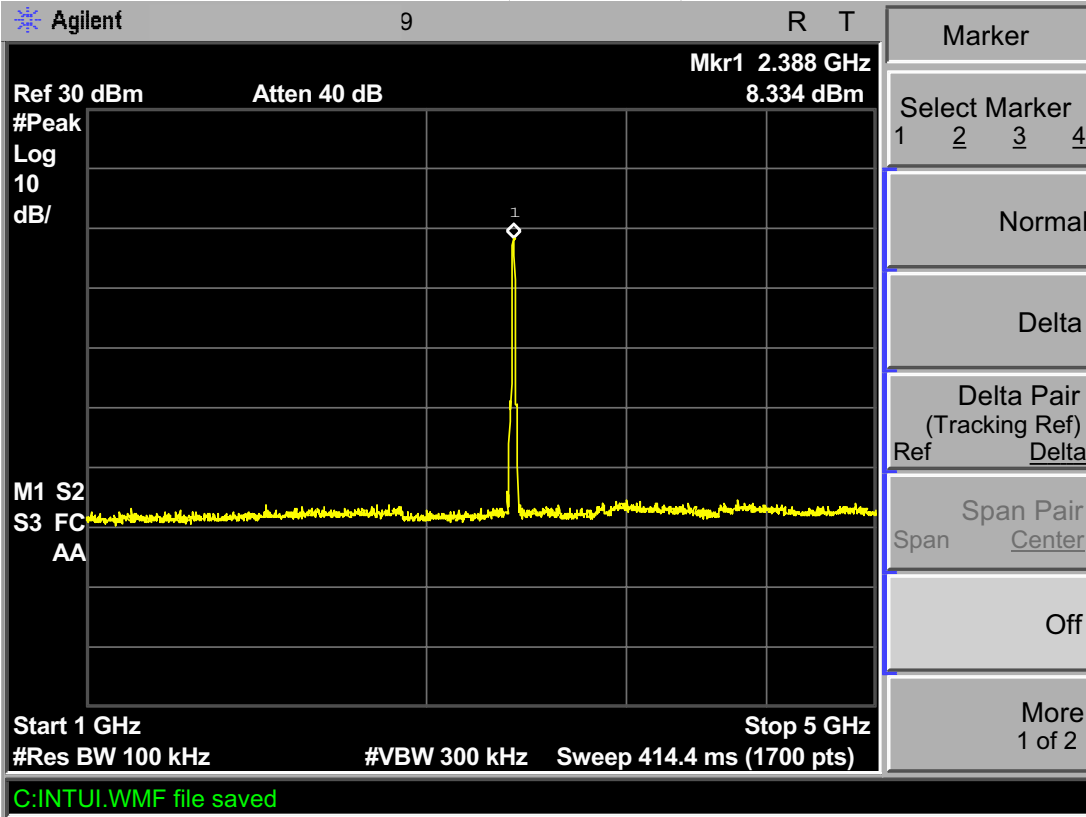
Pass.

The spectrum analyzer plots are attached as below.

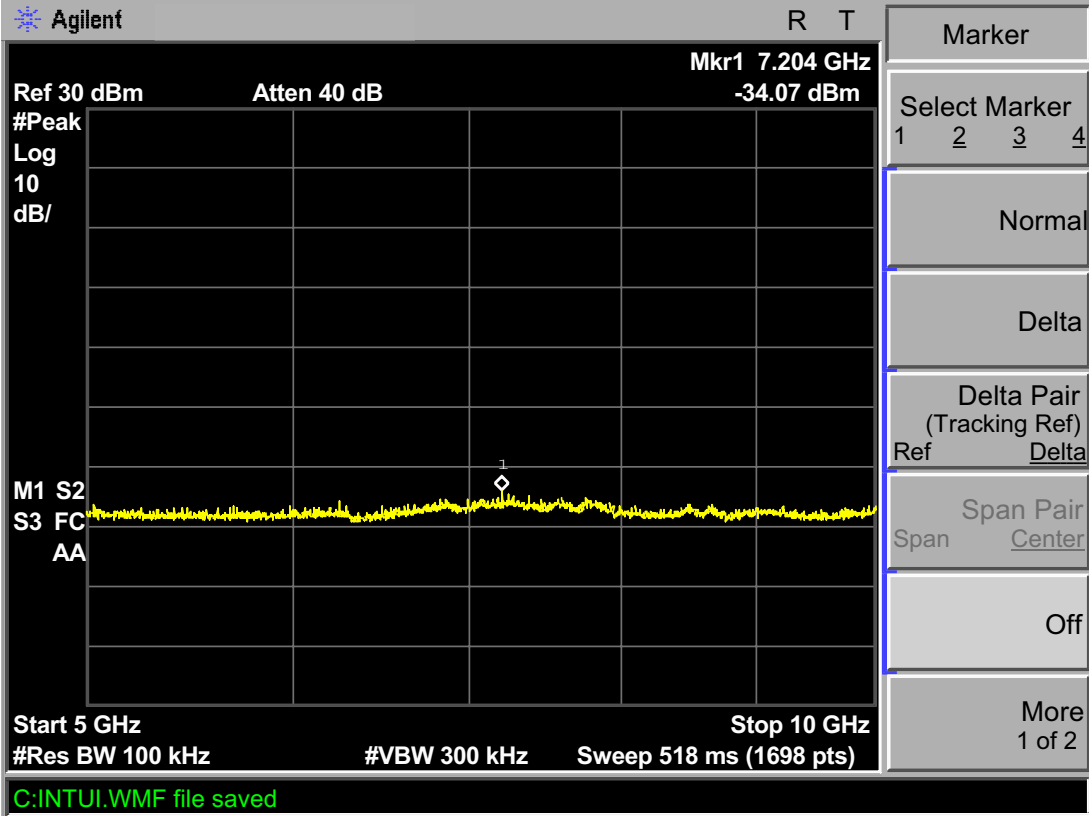
TX 802.11b Channel Low 2412MHz (30MHz-1GHz)



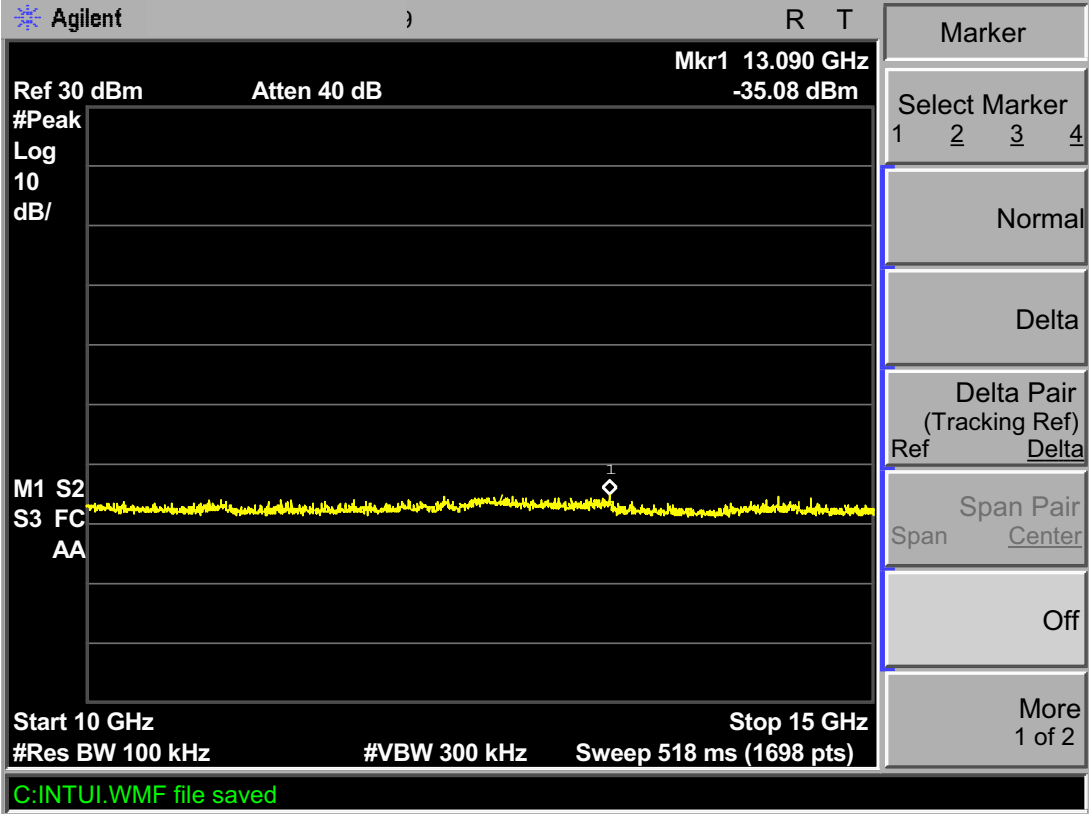
TX 802.11b Channel Low 2412MHz (1GHz-5GHz)



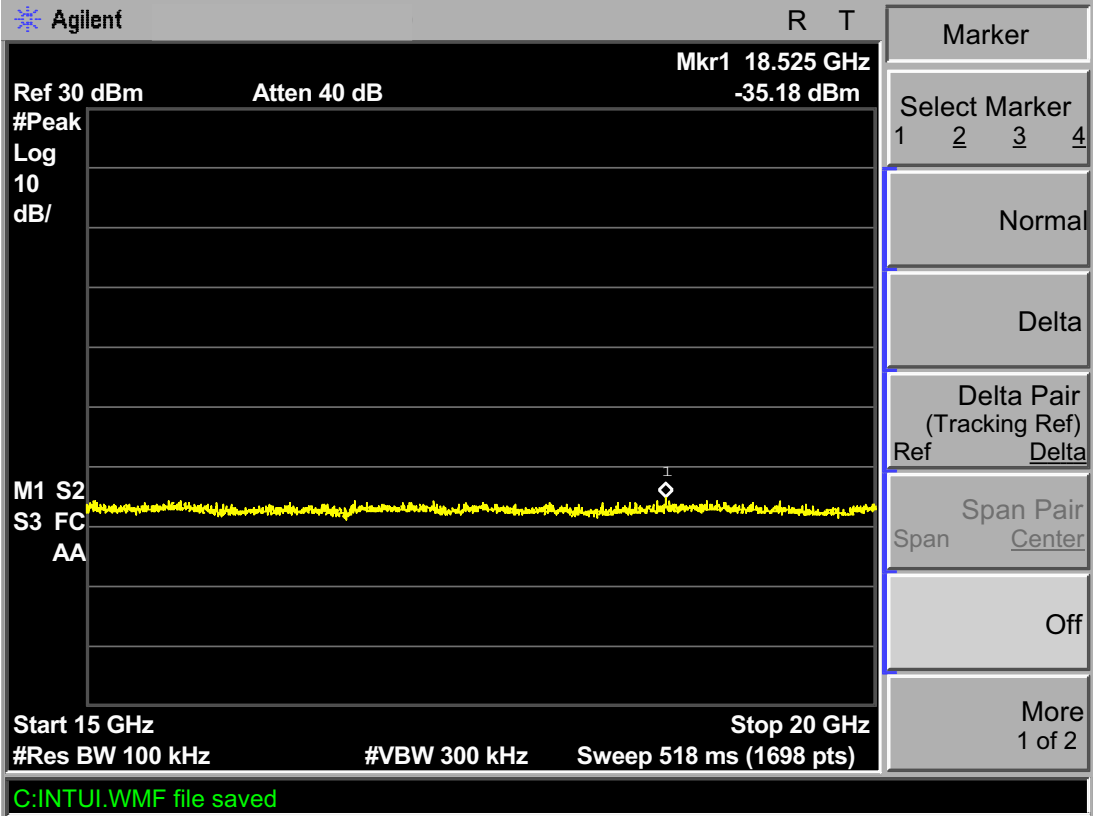
TX 802.11b Channel Low 2412MHz (5GHz-10GHz)



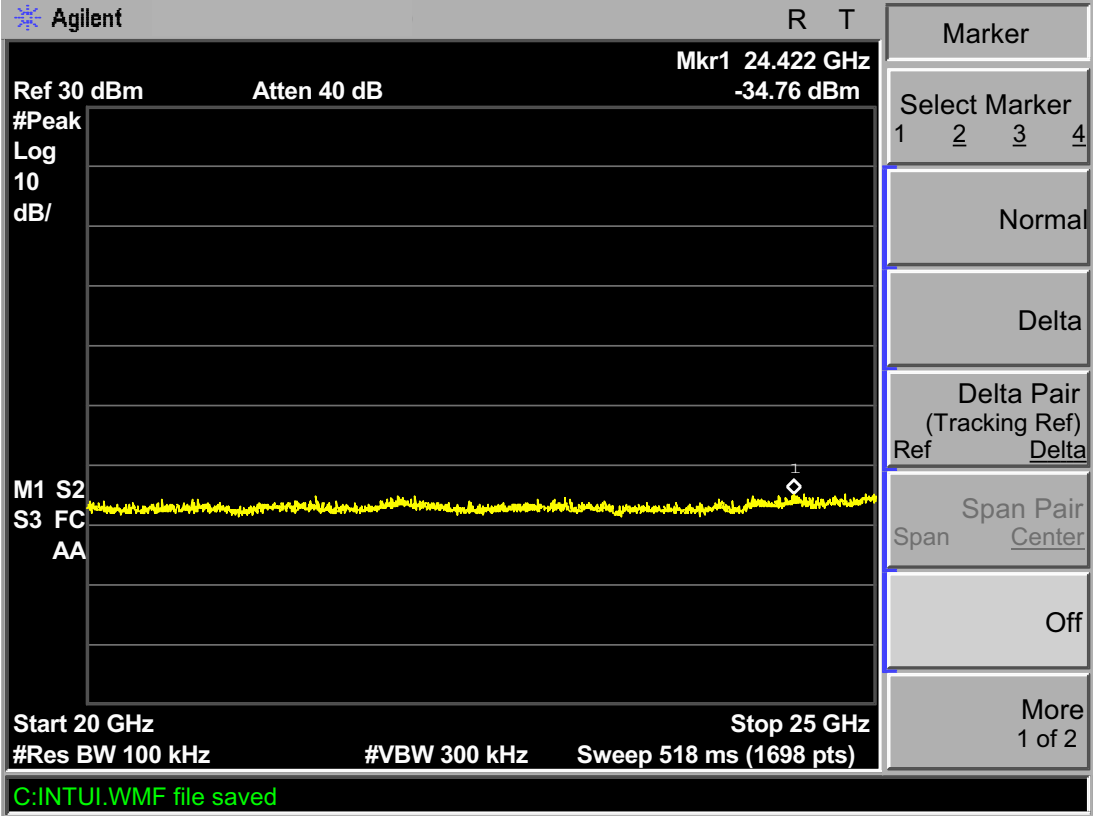
TX 802.11b Channel Low 2412MHz (10GHz-15GHz)



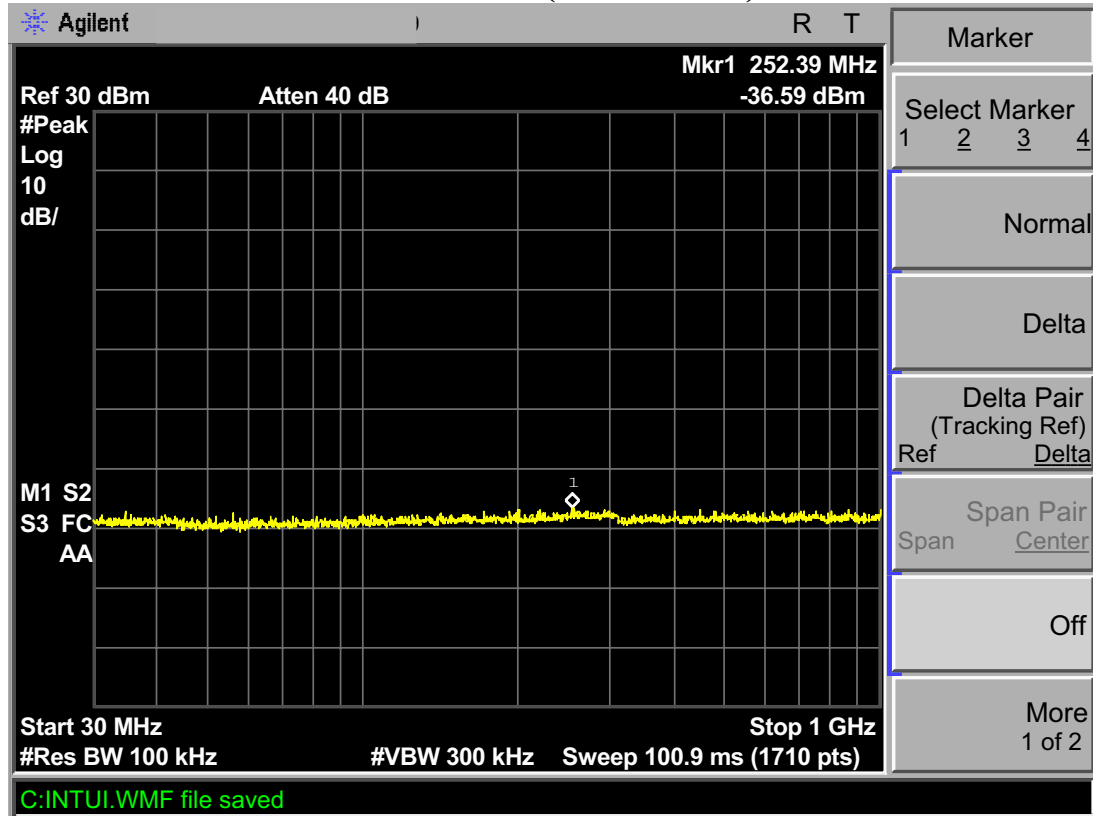
TX 802.11b Channel Low 2412MHz (15GHz-20GHz)



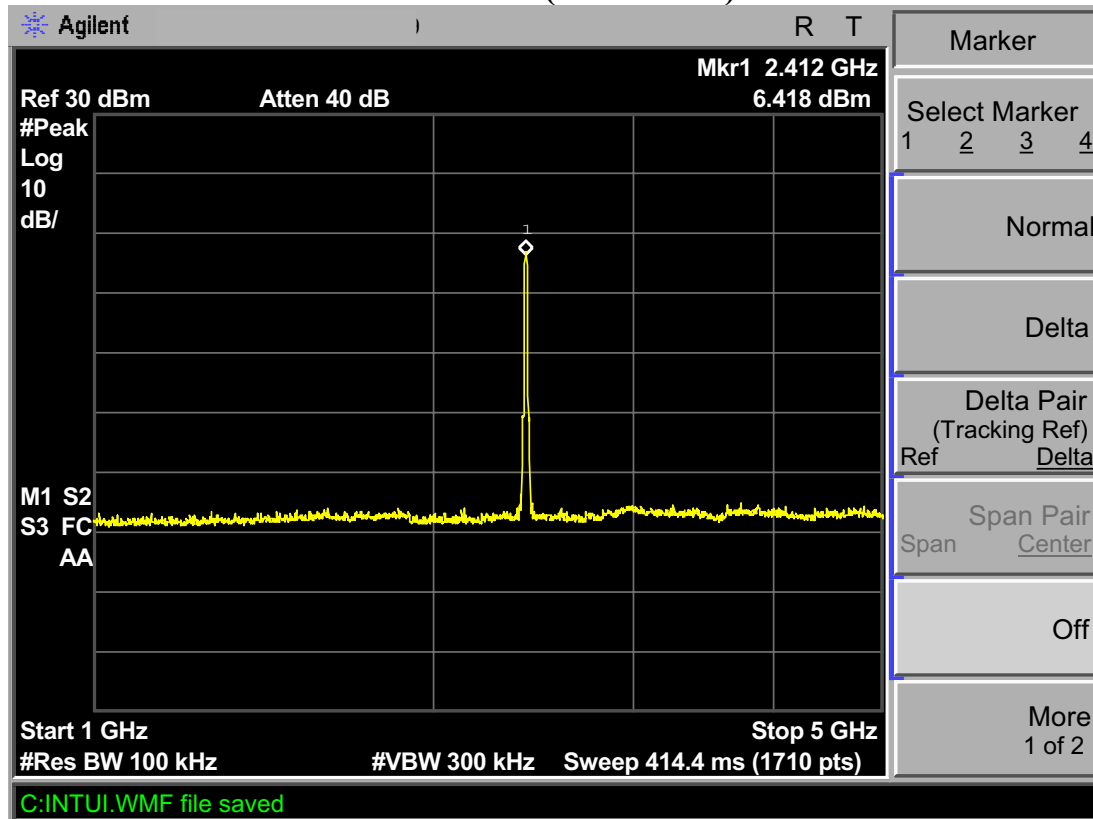
TX 802.11b Channel Low 2412MHz (20GHz-25GHz)



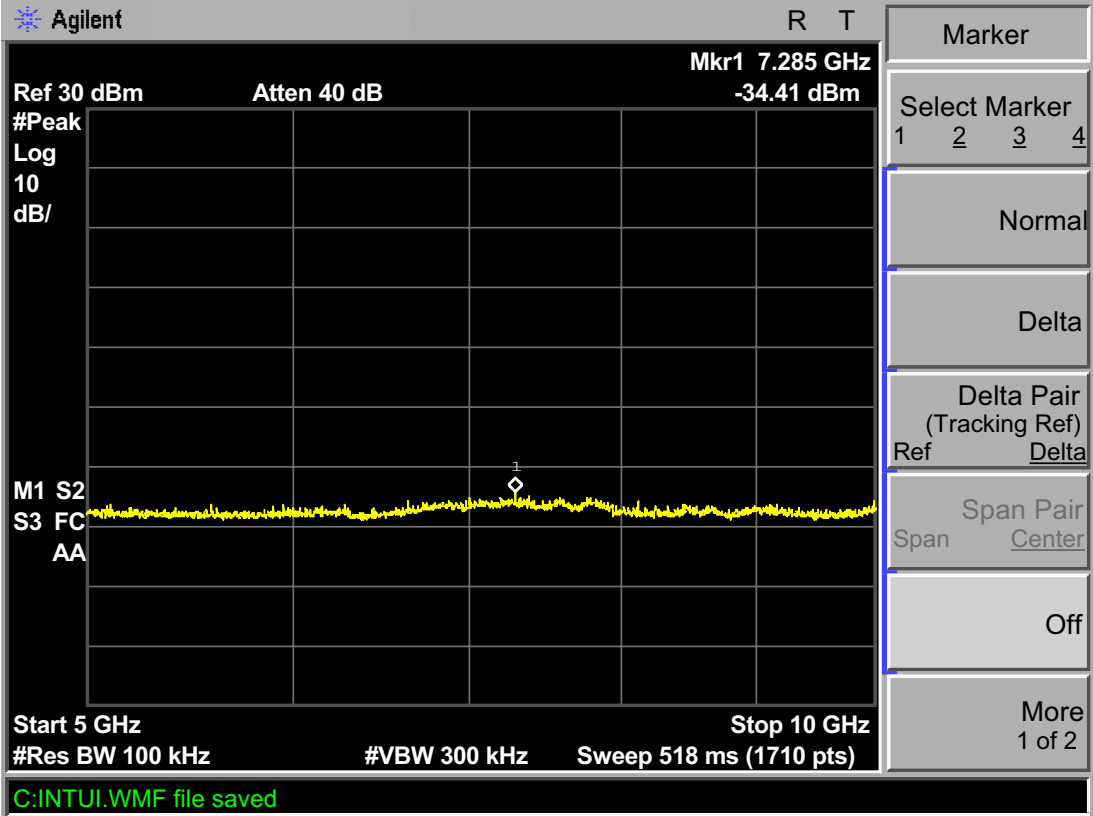
TX 802.11b Channel Middle 2437MHz (30MHz-1GHz)



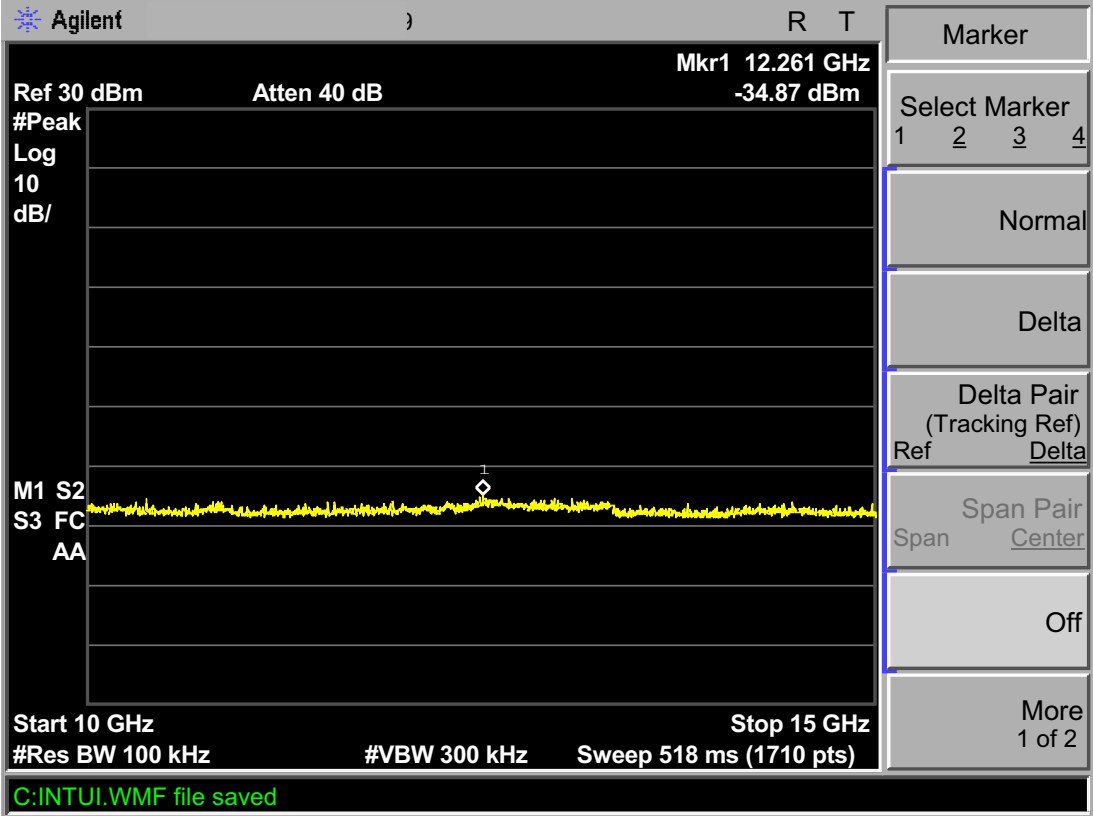
TX 802.11b Channel Middle 2437MHz (1GHz-5GHz)



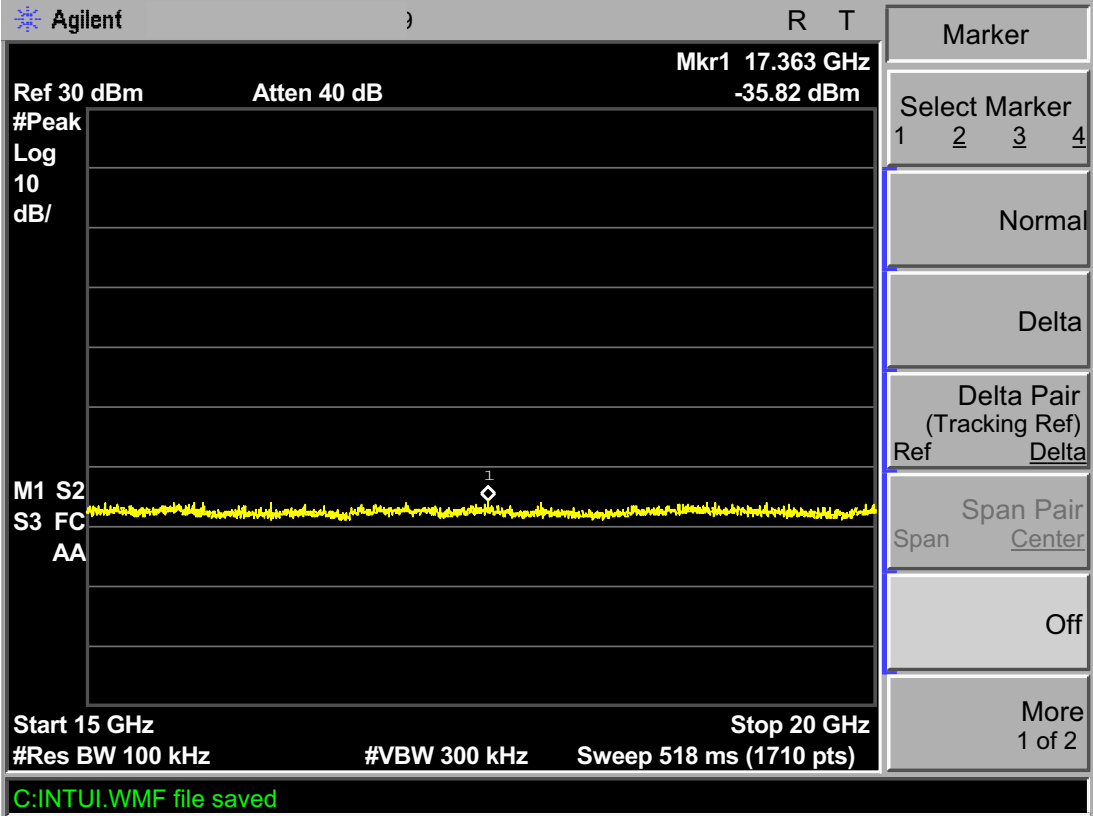
TX 802.11b Channel Middle 2437MHz (5GHz-10GHz)



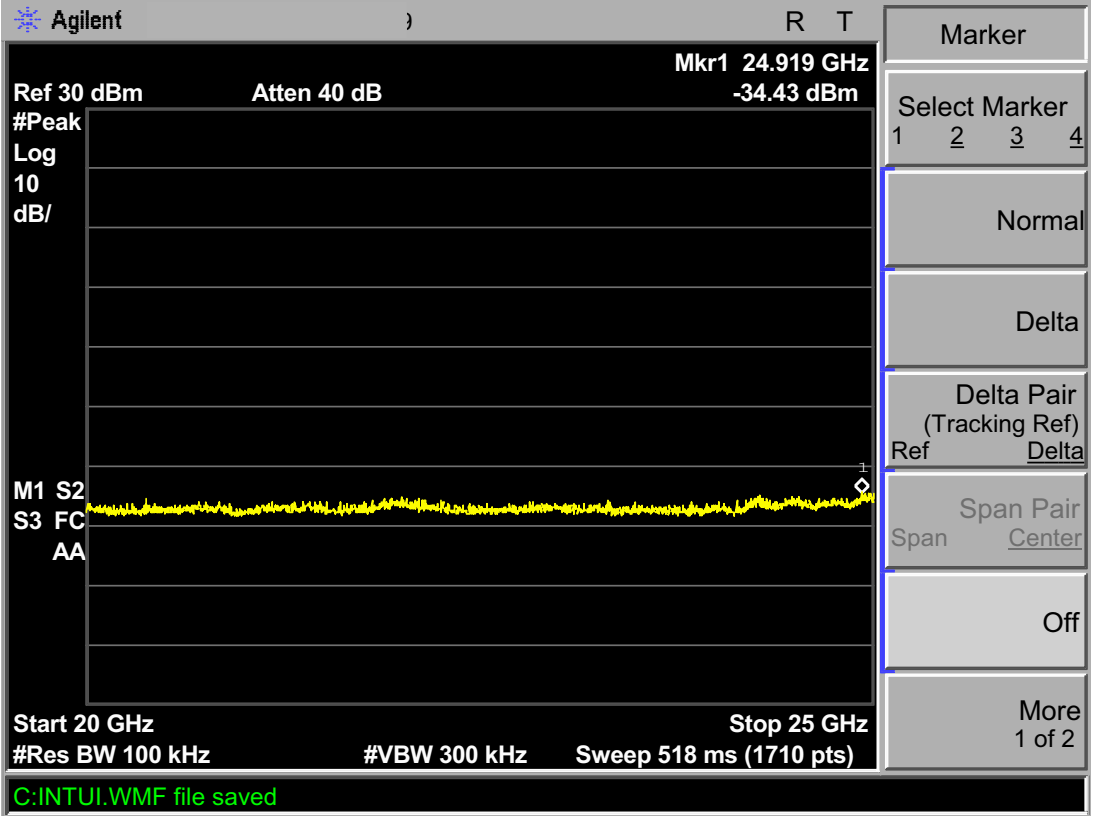
TX 802.11b Channel Middle 2437MHz (10GHz-15GHz)



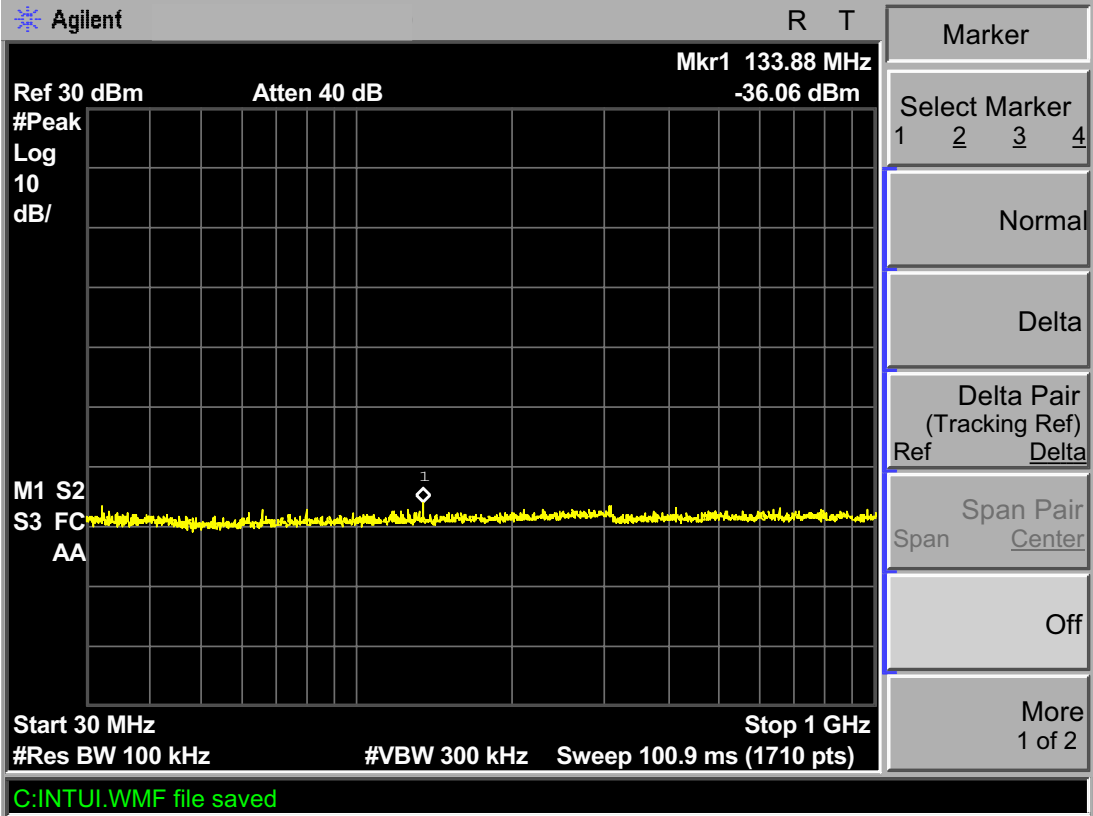
TX 802.11b Channel Middle 2437MHz (15GHz-20GHz)



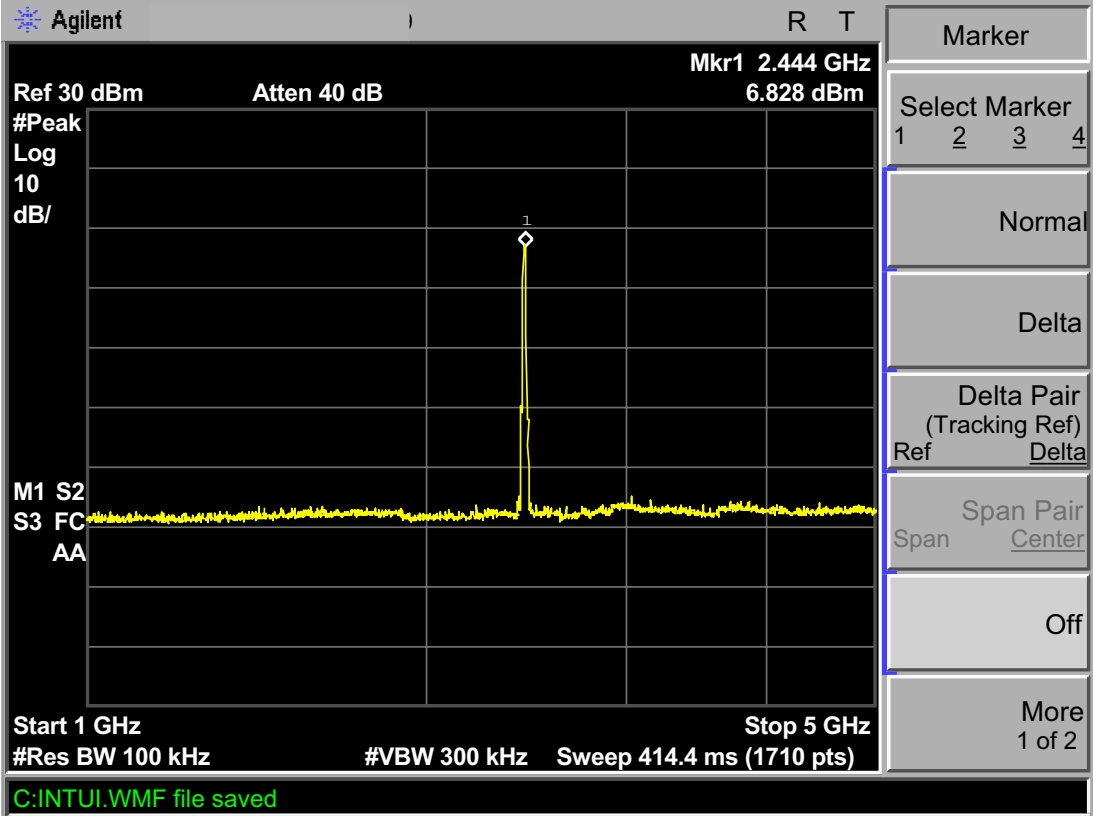
TX 802.11b Channel Middle 2437MHz (20GHz-25GHz)



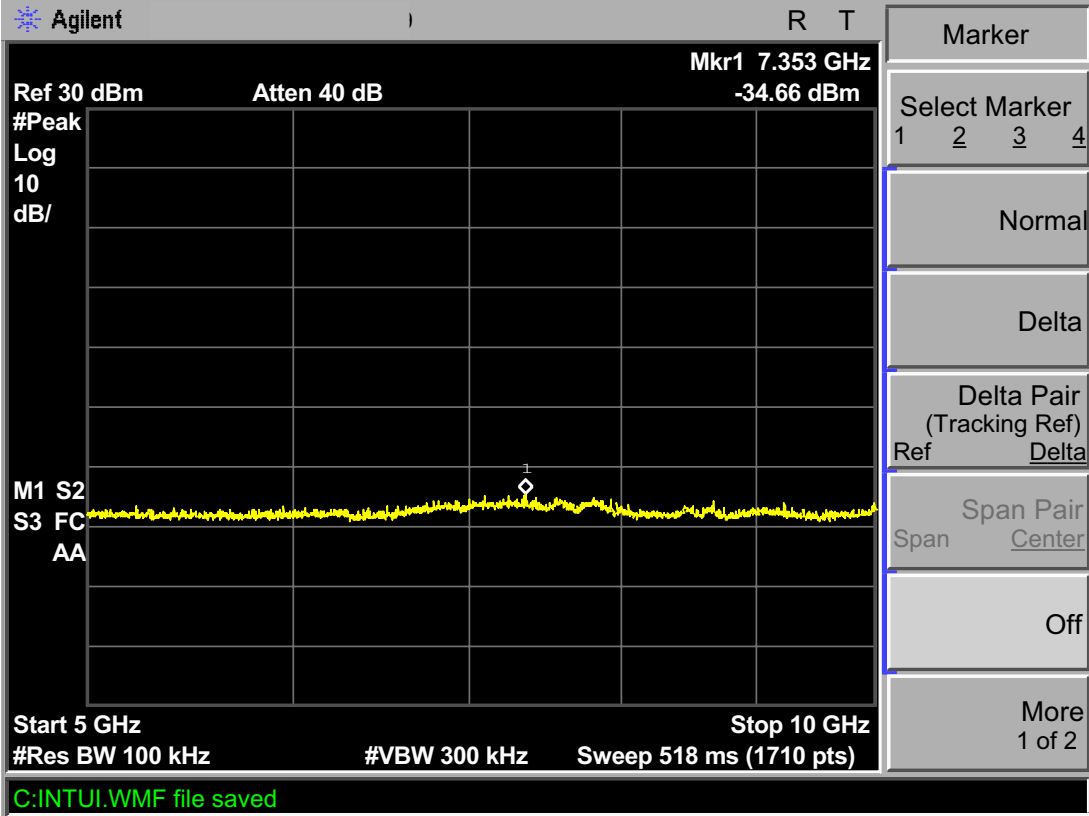
TX 802.11b Channel High 2462MHz (30MHz-1GHz)



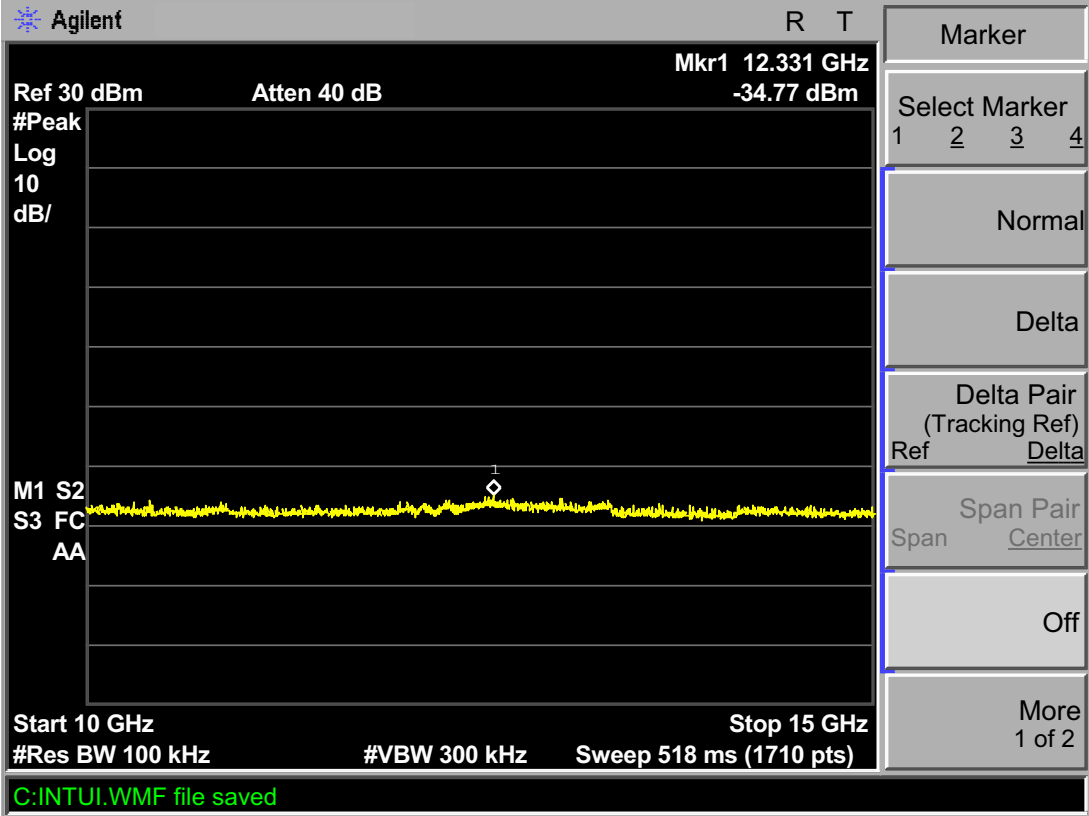
TX 802.11b Channel High 2462MHz (1GHz-5GHz)



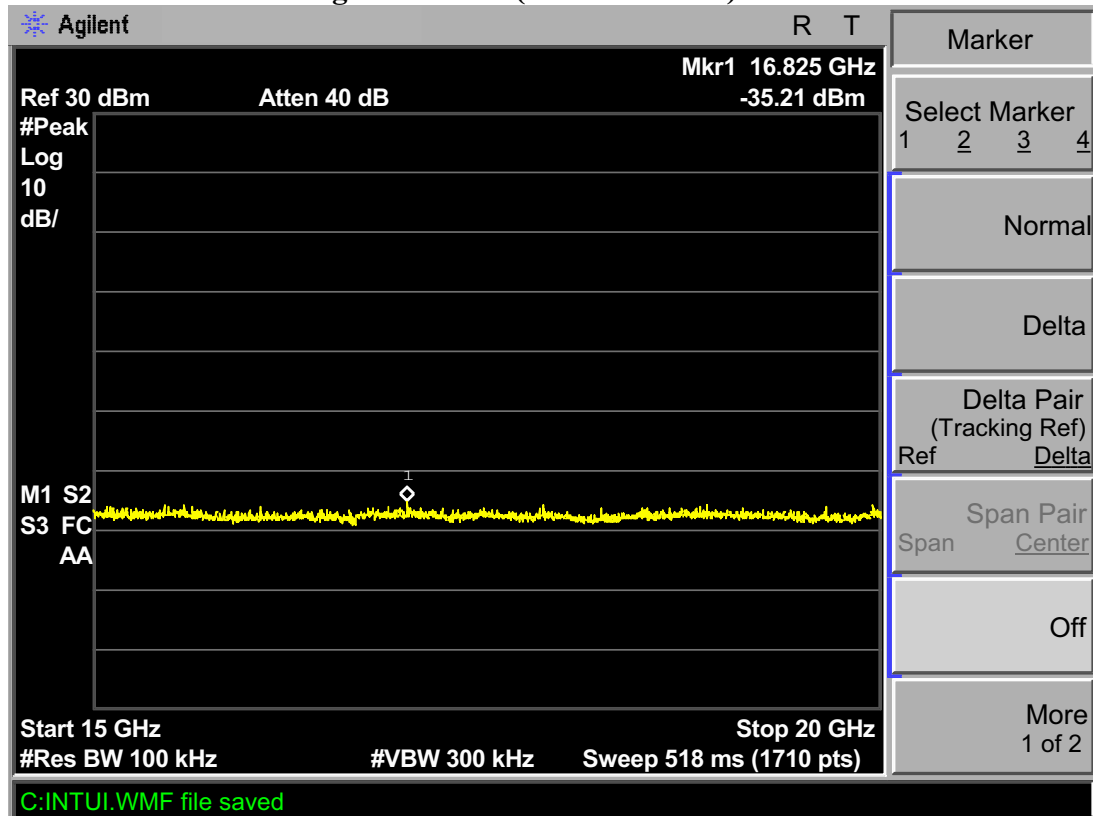
TX 802.11b Channel High 2462MHz (5GHz-10GHz)



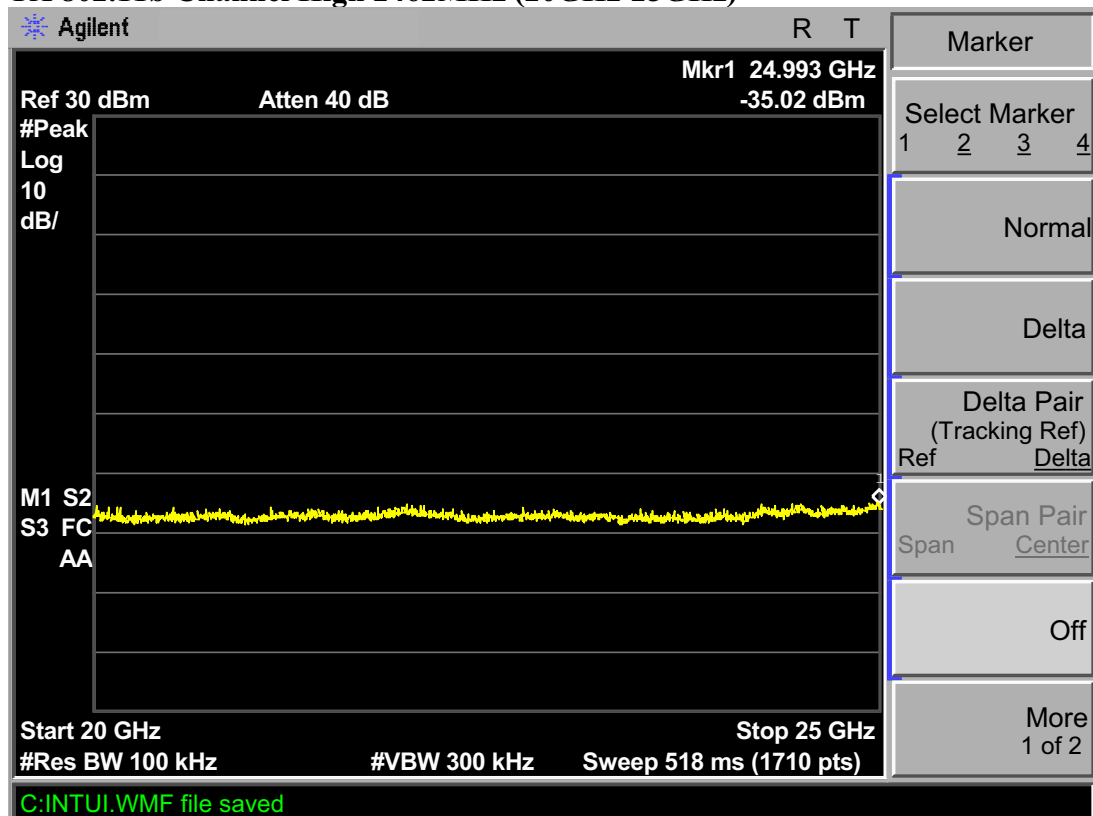
TX 802.11b Channel High 2462MHz (10GHz-15GHz)



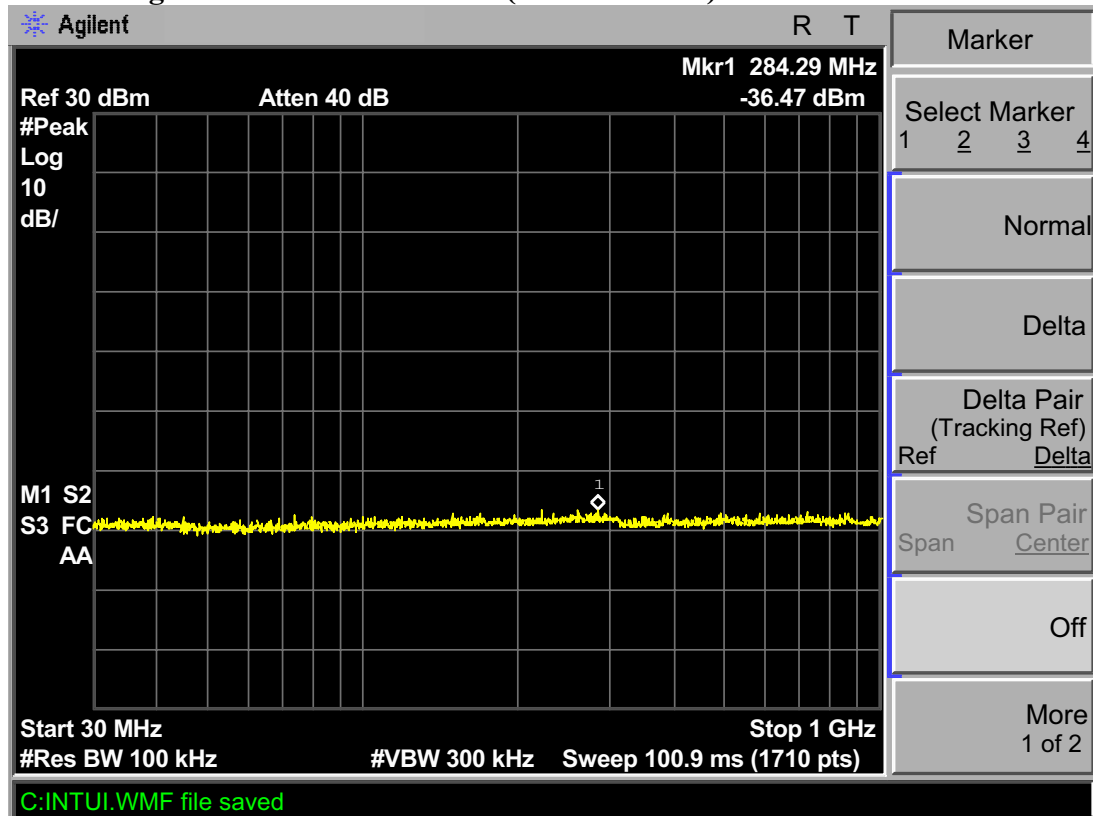
TX 802.11b Channel High 2462MHz (15GHz-20GHz)



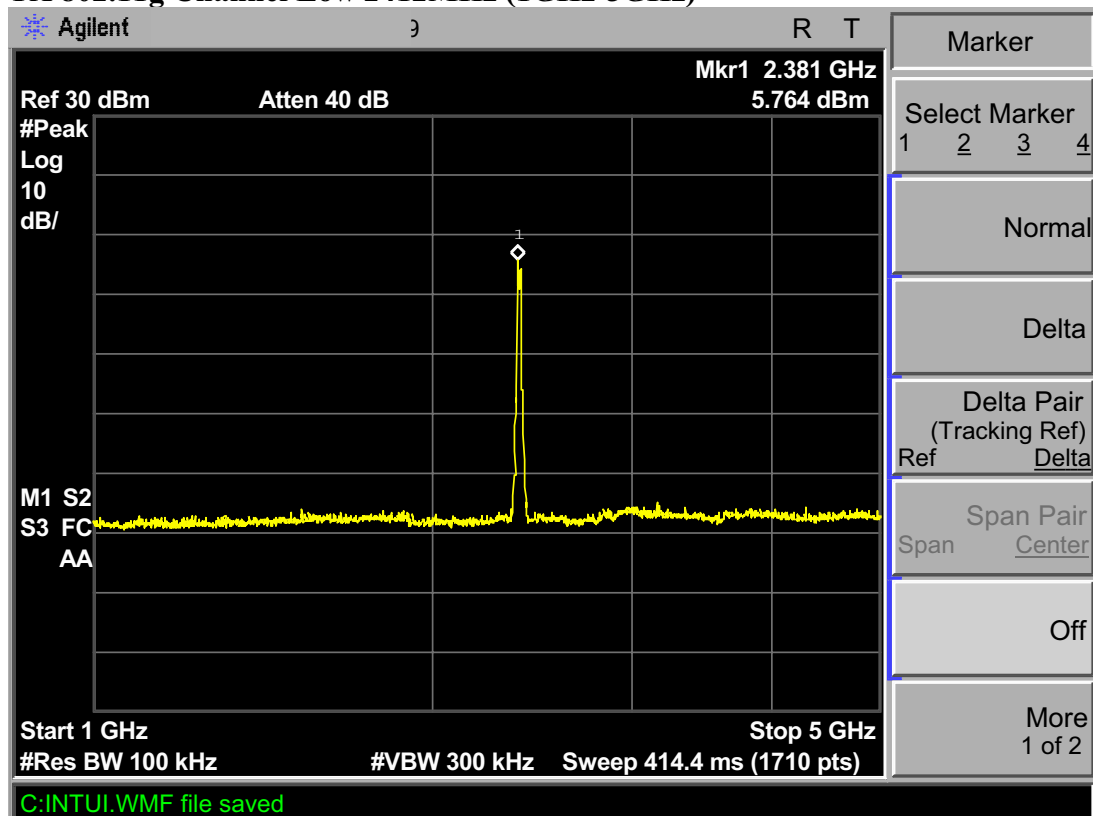
TX 802.11b Channel High 2462MHz (20GHz-25GHz)



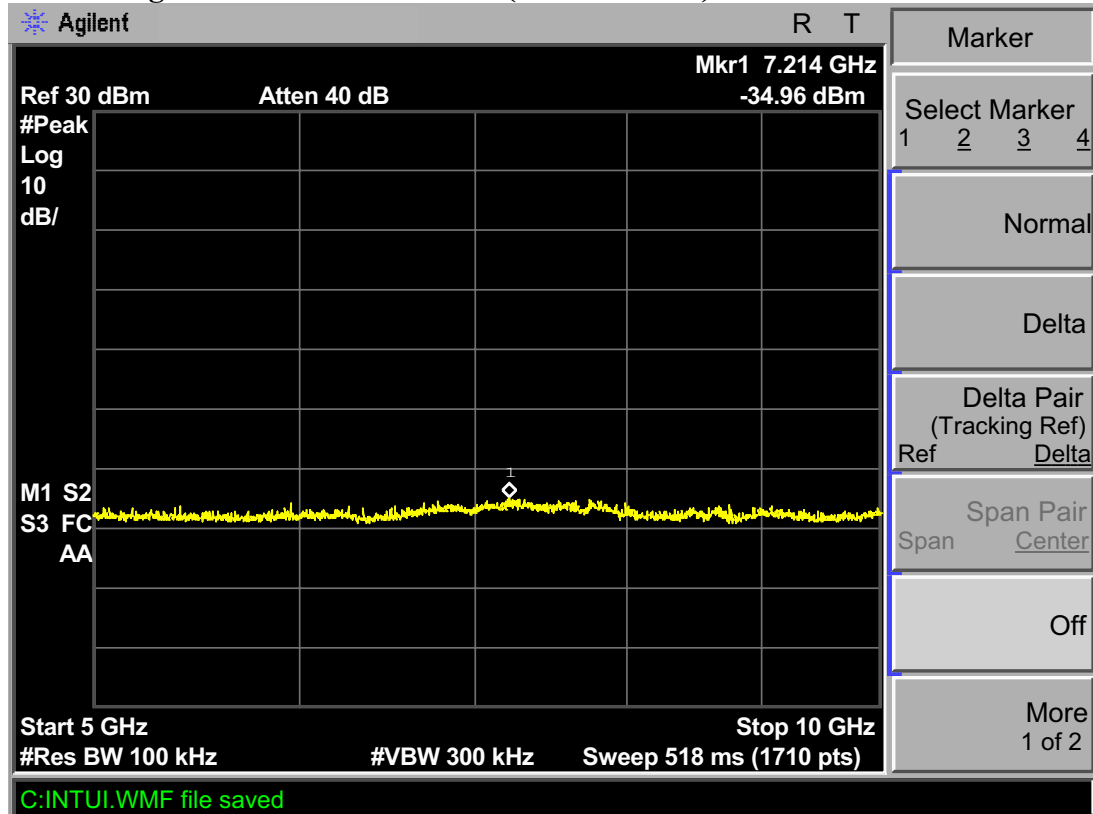
TX 802.11g Channel Low 2412MHz (30MHz-1GHz)



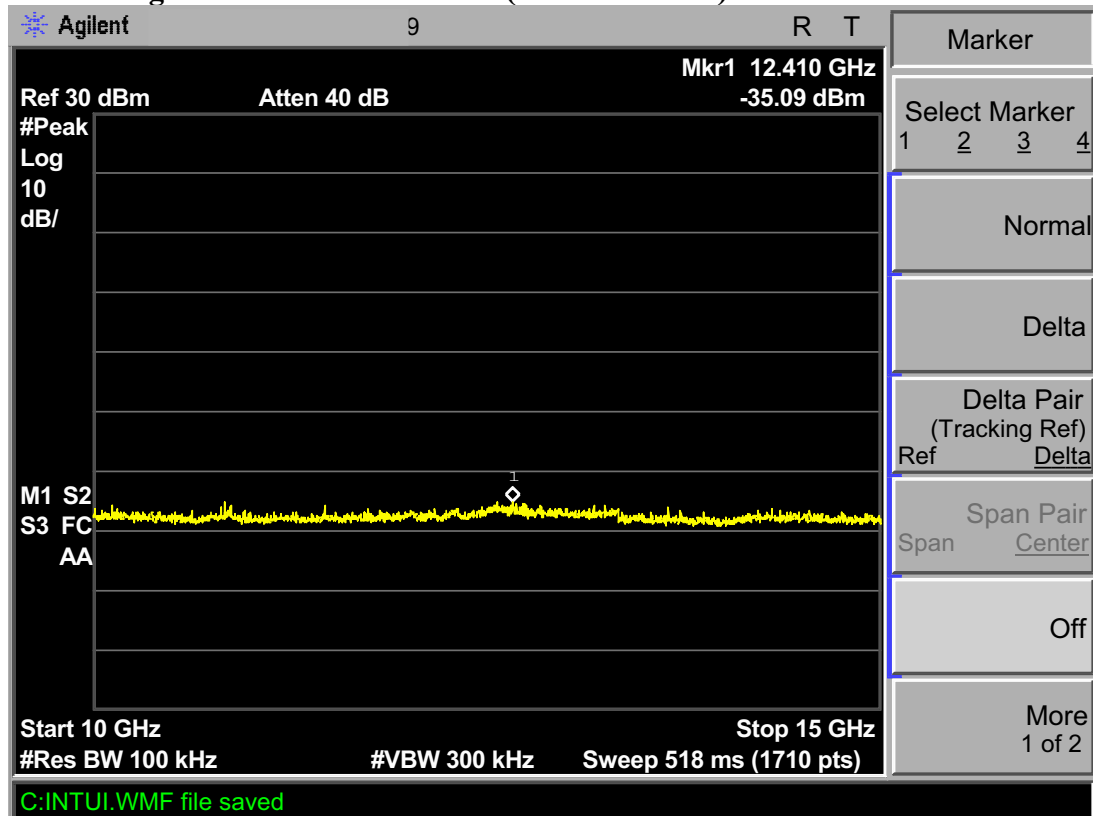
TX 802.11g Channel Low 2412MHz (1GHz-5GHz)



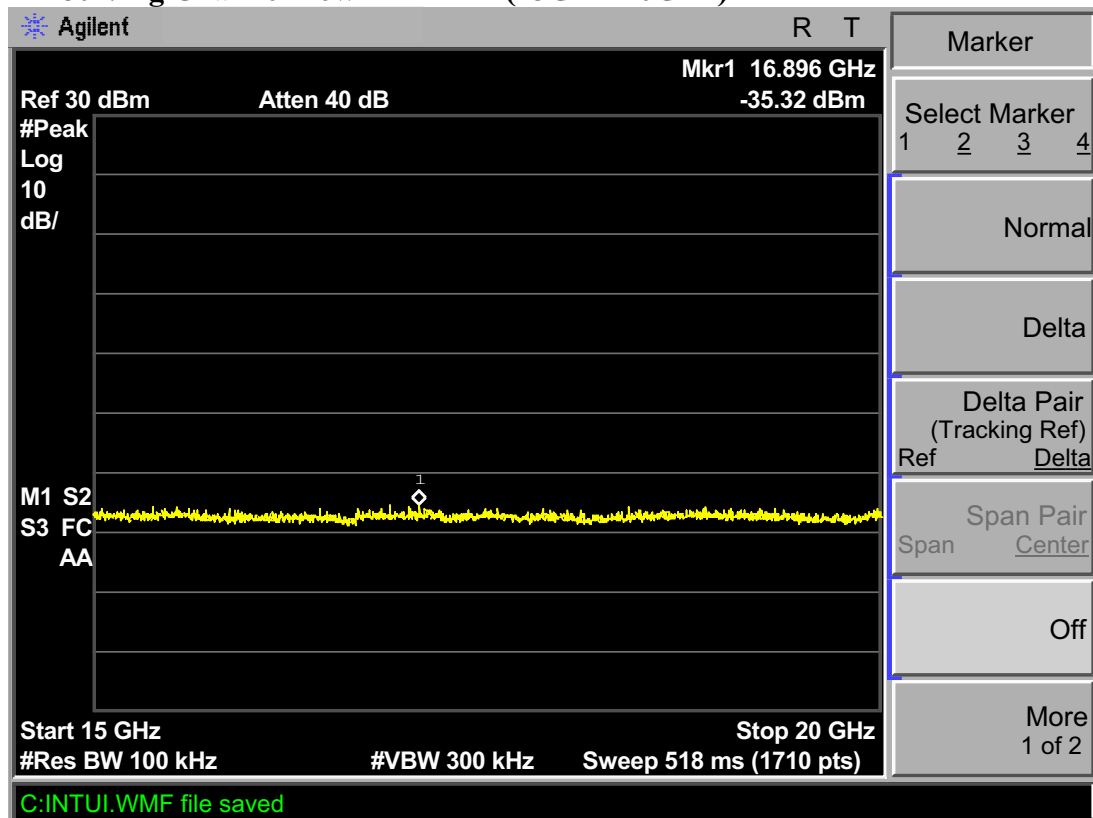
TX 802.11g Channel Low 2412MHz (5GHz-10GHz)



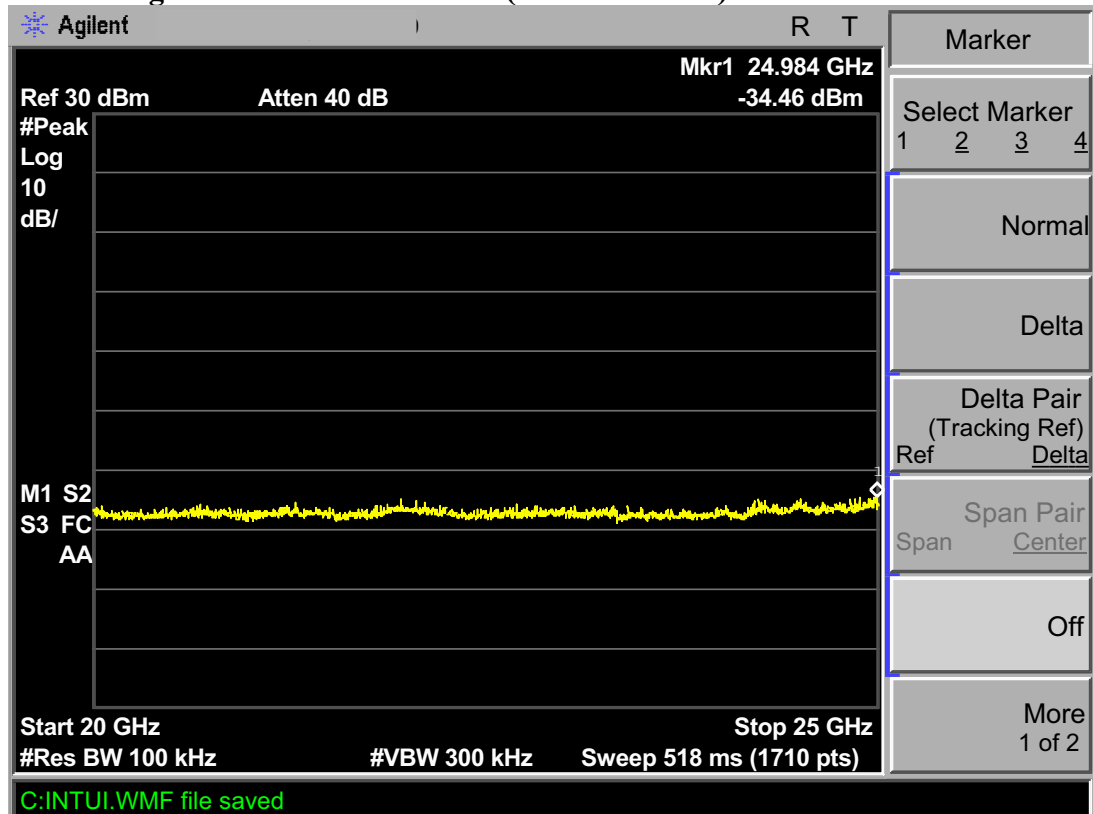
TX 802.11g Channel Low 2412MHz (10GHz-15GHz)



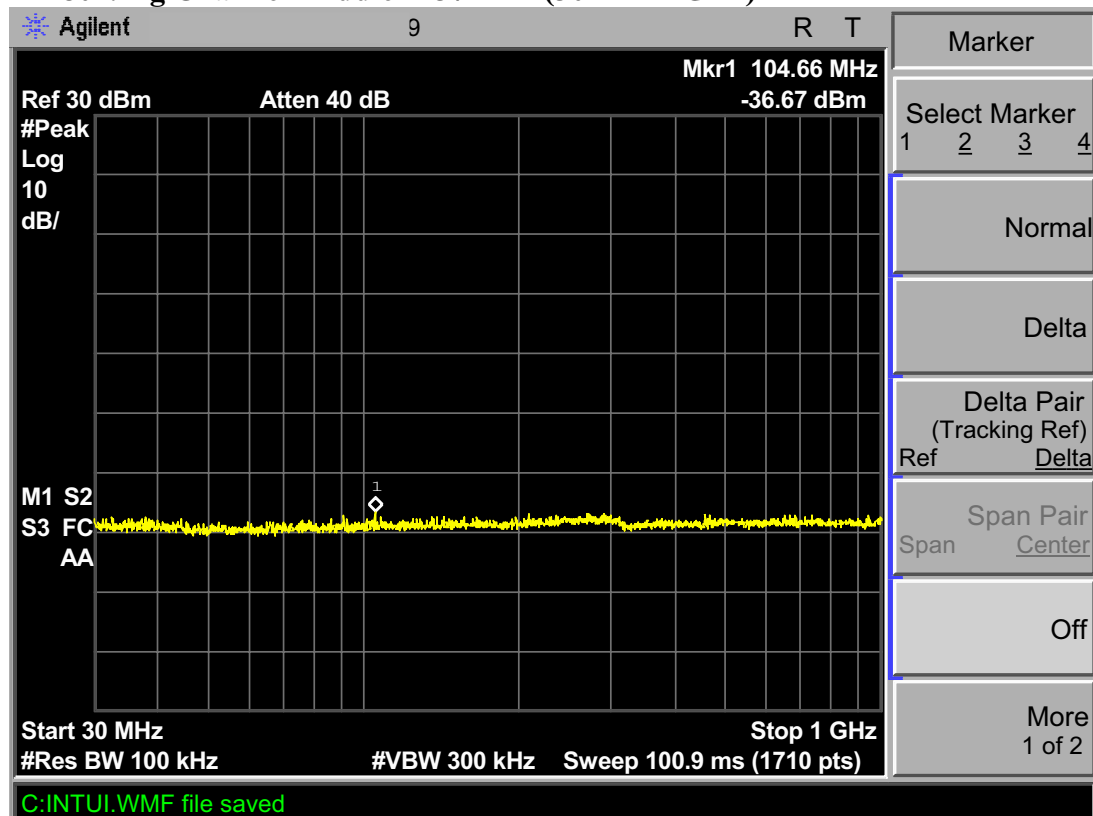
TX 802.11g Channel Low 2412MHz (15GHz-20GHz)



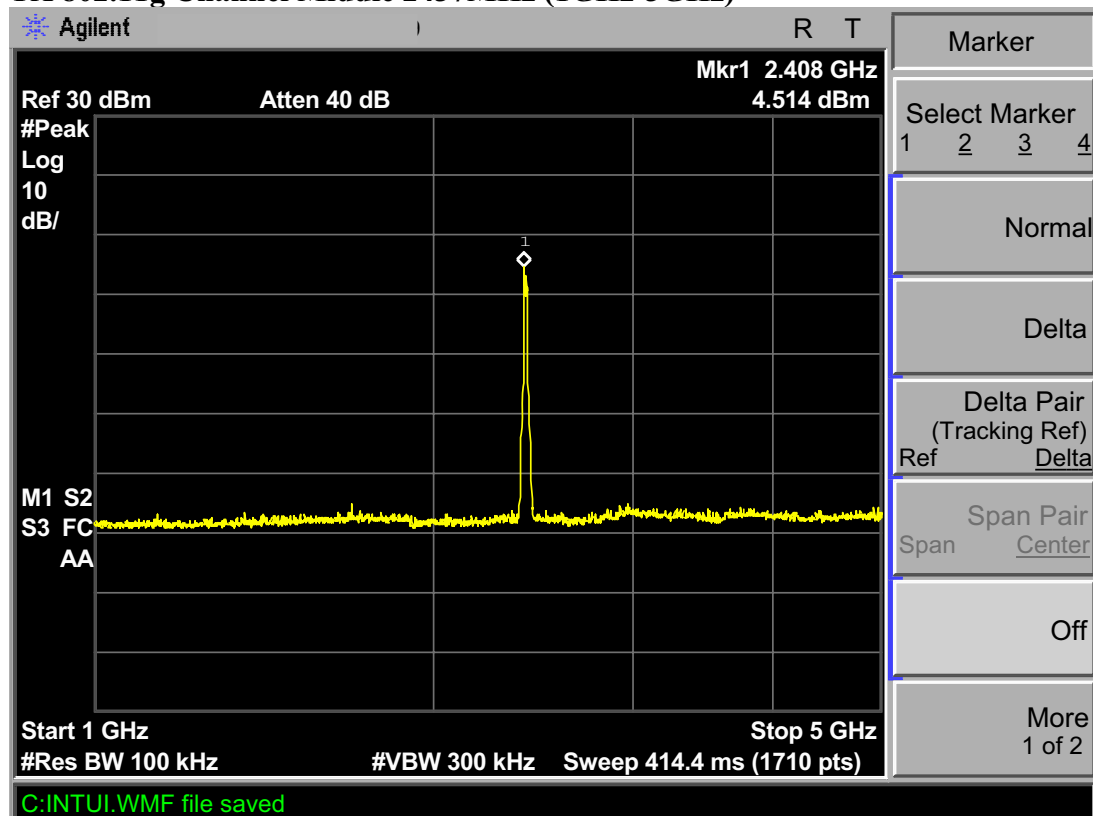
TX 802.11g Channel Low 2412MHz (20GHz-25GHz)



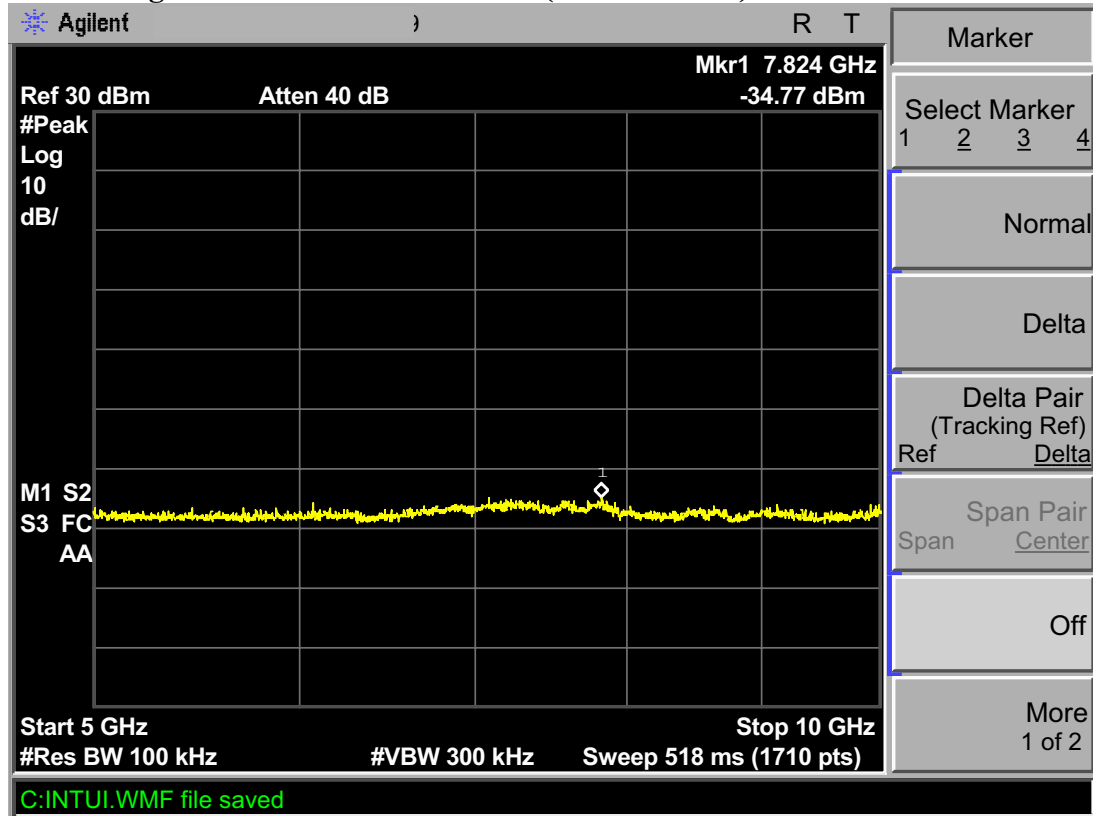
TX 802.11g Channel Middle 2437MHz (30MHz-1GHz)



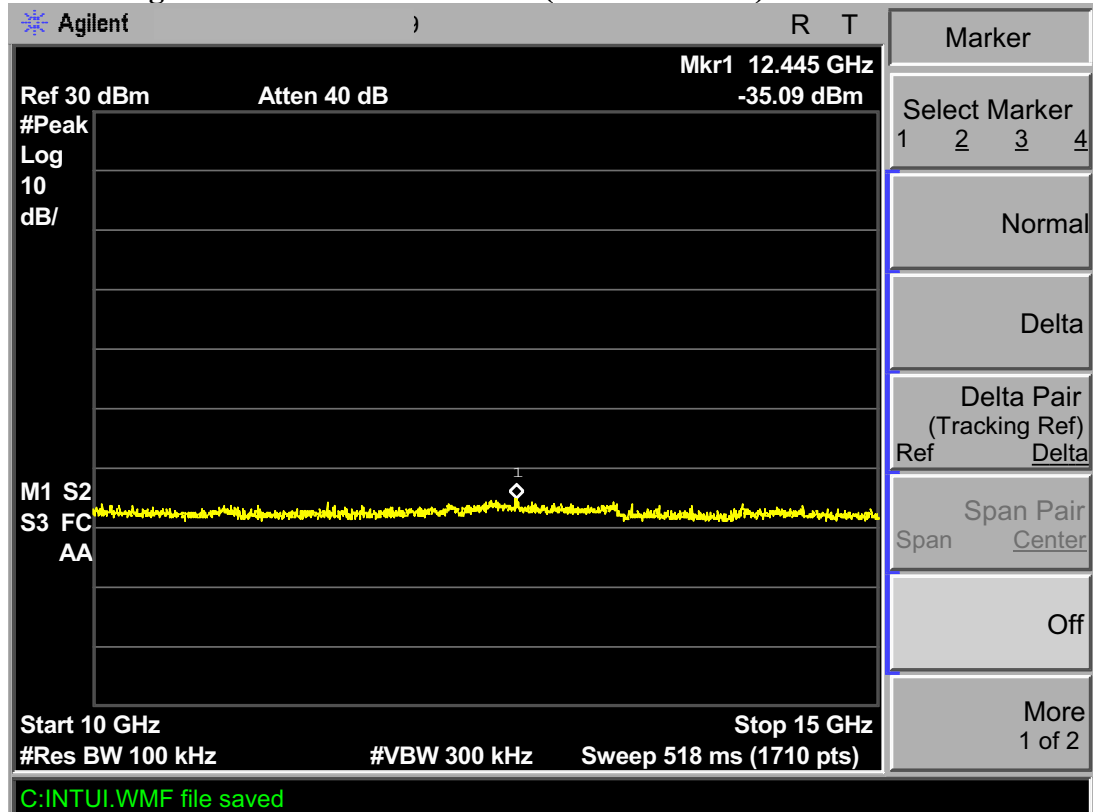
TX 802.11g Channel Middle 2437MHz (1GHz-5GHz)



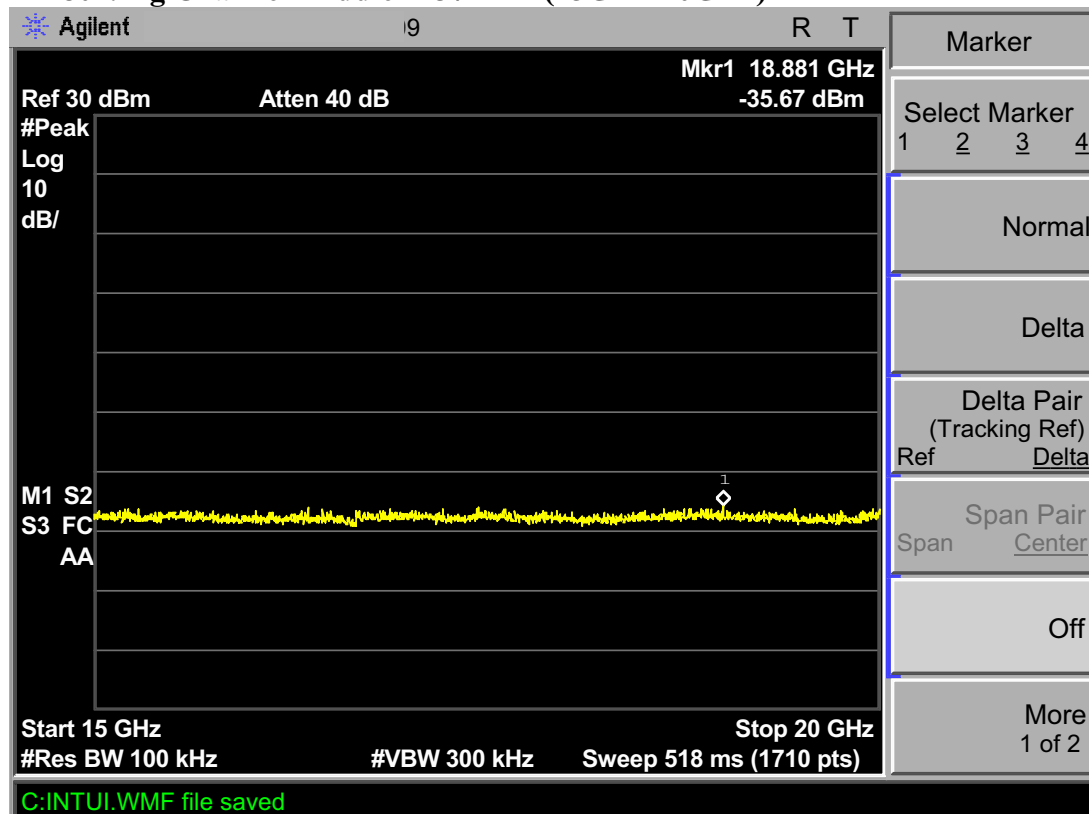
TX 802.11g Channel Middle 2437MHz (5GHz-10GHz)



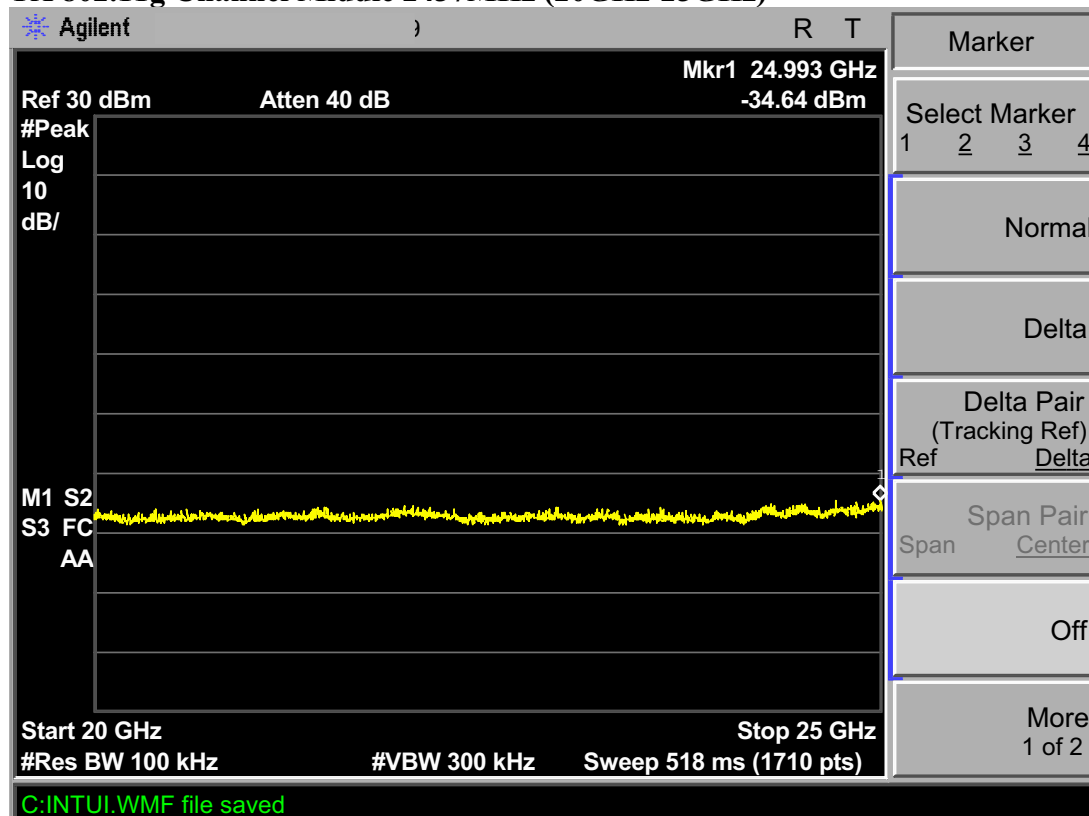
TX 802.11g Channel Middle 2437MHz (10GHz-15GHz)



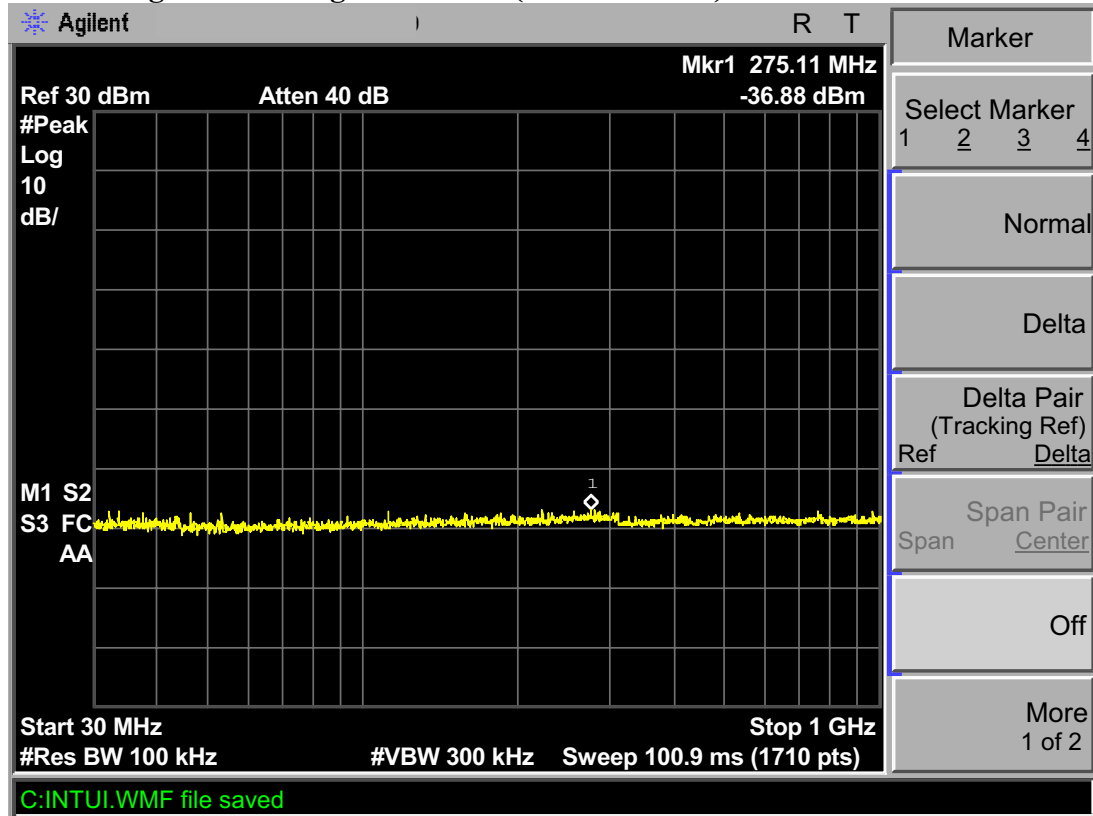
TX 802.11g Channel Middle 2437MHz (15GHz-20GHz)



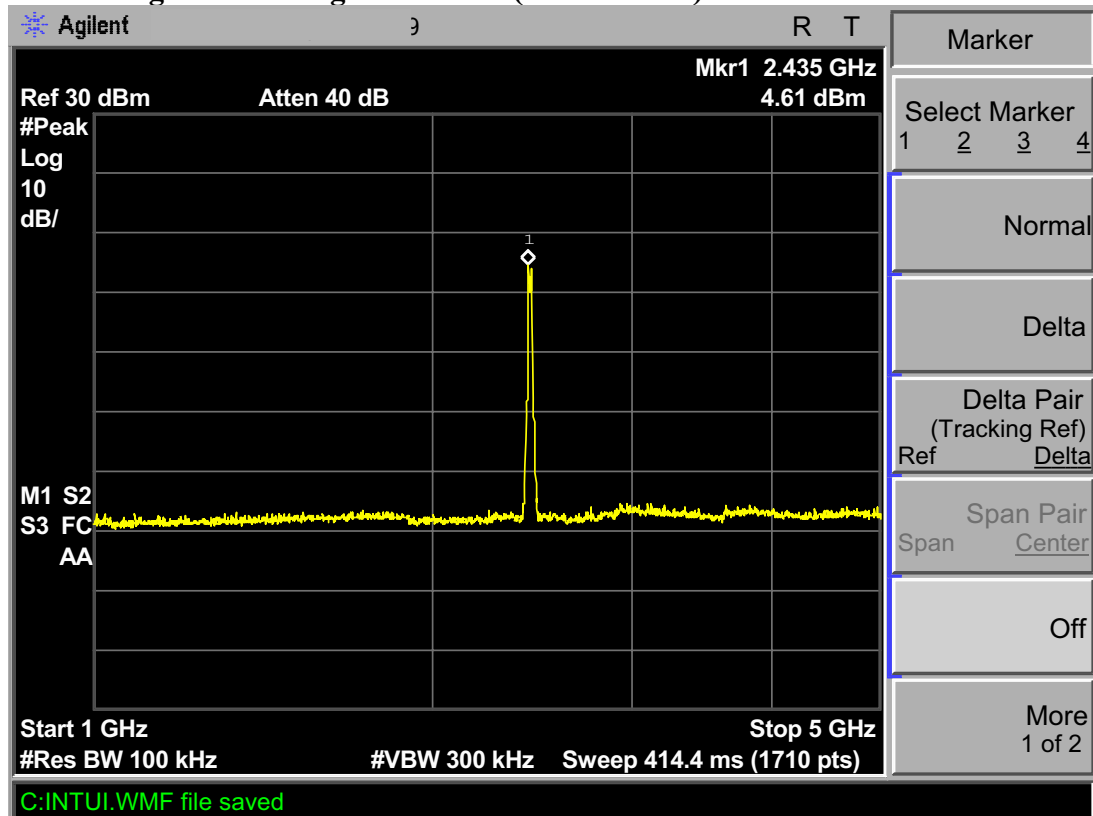
TX 802.11g Channel Middle 2437MHz (20GHz-25GHz)



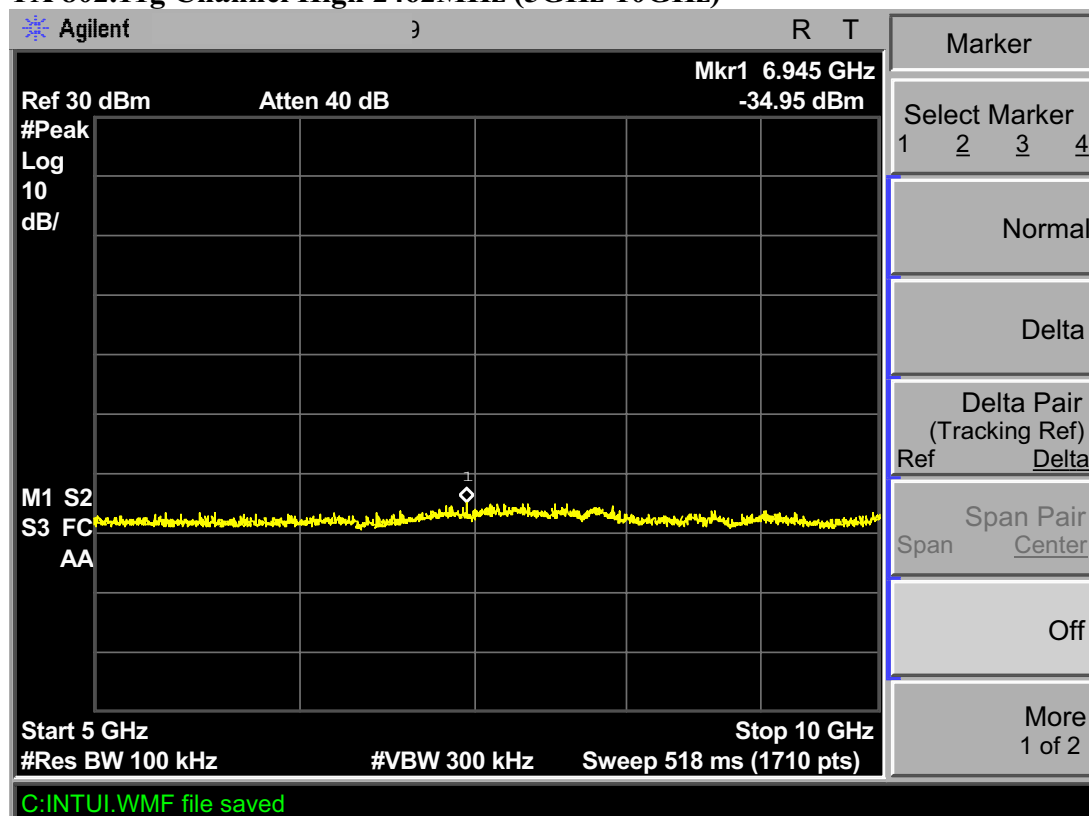
TX 802.11g Channel High 2462MHz (30MHz-1GHz)



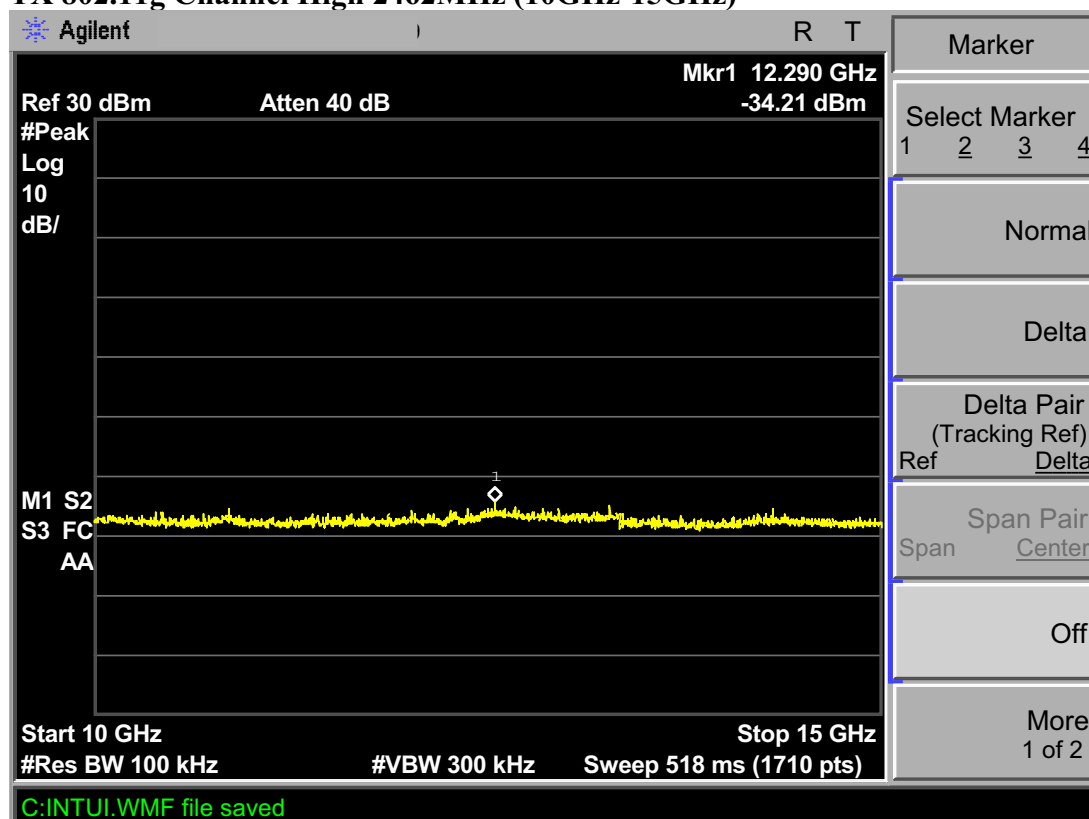
TX 802.11g Channel High 2462MHz (1GHz-5GHz)



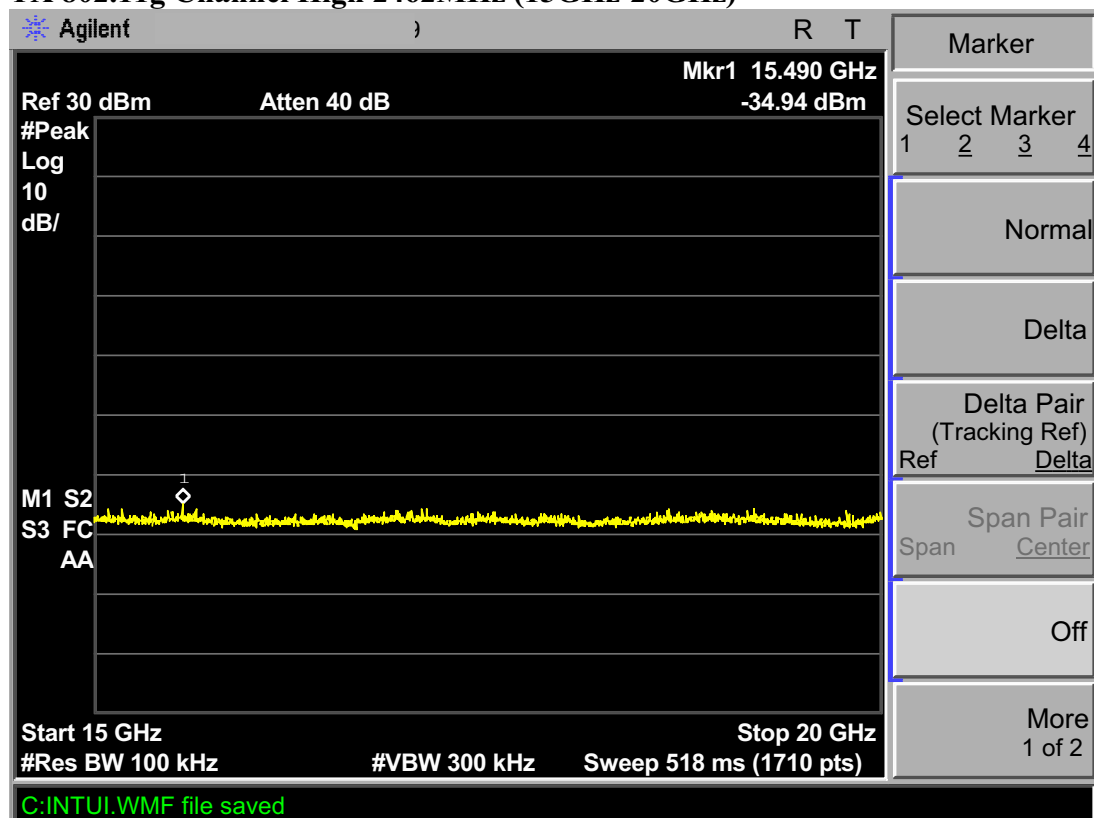
TX 802.11g Channel High 2462MHz (5GHz-10GHz)



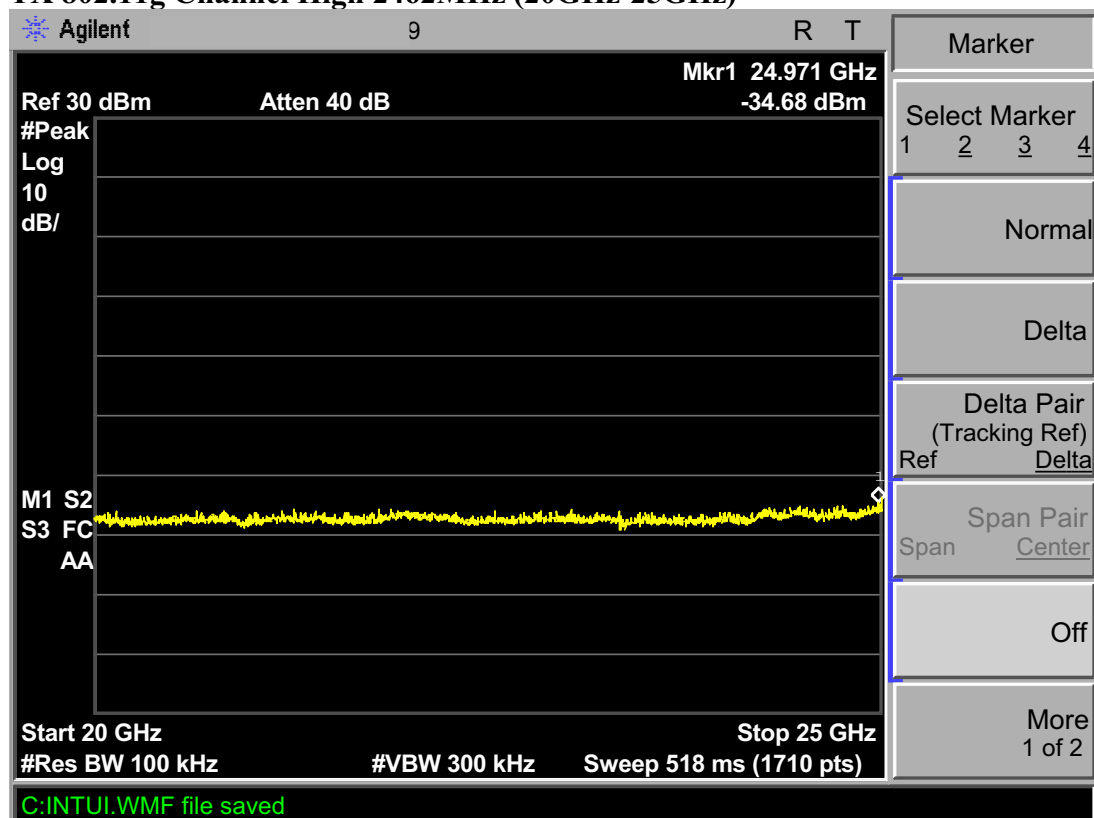
TX 802.11g Channel High 2462MHz (10GHz-15GHz)



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



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

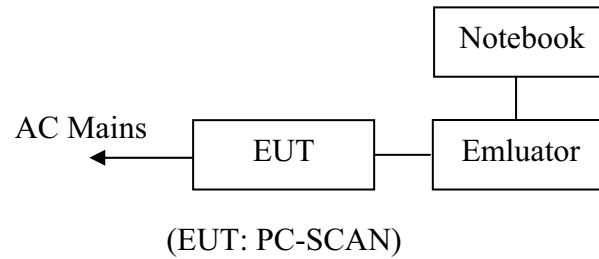


11.AC POWER LINE CONDUCTED EMISSION FOR FCC PART

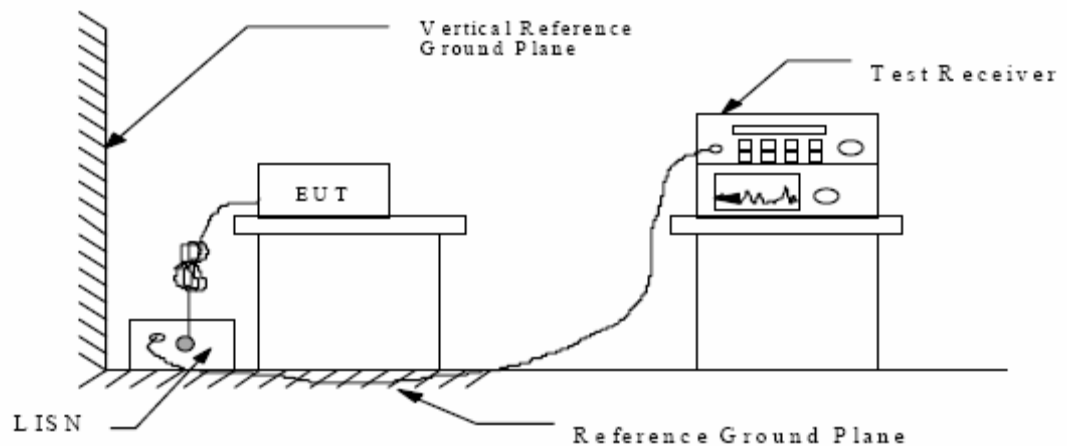
15 SECTION 15.207(A)

11.1.Block Diagram of Test Setup

11.1.1.Block diagram of connection between the EUT and simulators



11.1.2.Shielding Room Test Setup Diagram



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.PC-SCAN (EUT)

Model Number	:	GIDS
Serial Number	:	N/A
Manufacturer	:	SPX Transportation & Industrial Solutions (Suzhou) 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:	<u>May 4, 2010</u>	Temperature:	<u>25°C</u>
EUT:	<u>PC-SCAN</u>	Humidity:	<u>50%</u>
Model No.:	<u>GIDS</u>	Power Supply:	<u>AC 120V/ 60Hz</u>
Test Mode:	<u>TX 802.11b Channel Middle</u>	Test Engineer:	<u>Joe</u>

Frequency (MHz)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector	Line
0.665596	42.90	56	13.1	QP	Neutral
1.108370	42.10	56	13.9	QP	
1.905465	41.50	56	14.5	QP	
0.665596	36.70	46	9.3	AV	
1.108370	35.00	46	11.0	AV	
1.936075	35.00	46	11.0	AV	
0.660314	42.70	56	13.3	QP	Live
1.117237	41.90	56	14.1	QP	
1.890342	41.20	56	14.8	QP	
0.665596	36.70	46	9.3	AV	
1.126175	34.20	46	11.8	AV	
1.905465	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:	May 4, 2010	Temperature:	25°C
EUT:	PC-SCAN	Humidity:	50%
Model No.:	GIDS	Power Supply:	AC 120V/ 60Hz
Test Mode:	TX 802.11g Channel Middle	Test Engineer:	Joe

Frequency (MHz)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector	Line
0.665596	42.90	56	13.1	QP	Neutral
1.108370	42.10	56	13.9	QP	
1.890342	41.30	56	14.7	QP	
0.660314	36.70	46	9.3	AV	
1.108370	35.00	46	11.0	AV	
1.875340	35.20	46	10.8	AV	
0.660314	42.80	56	13.2	QP	Live
1.108370	42.10	56	13.9	QP	
1.905465	41.70	56	14.3	QP	
0.665596	36.70	46	9.3	AV	
1.108370	35.10	46	10.9	AV	
1.905465	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.

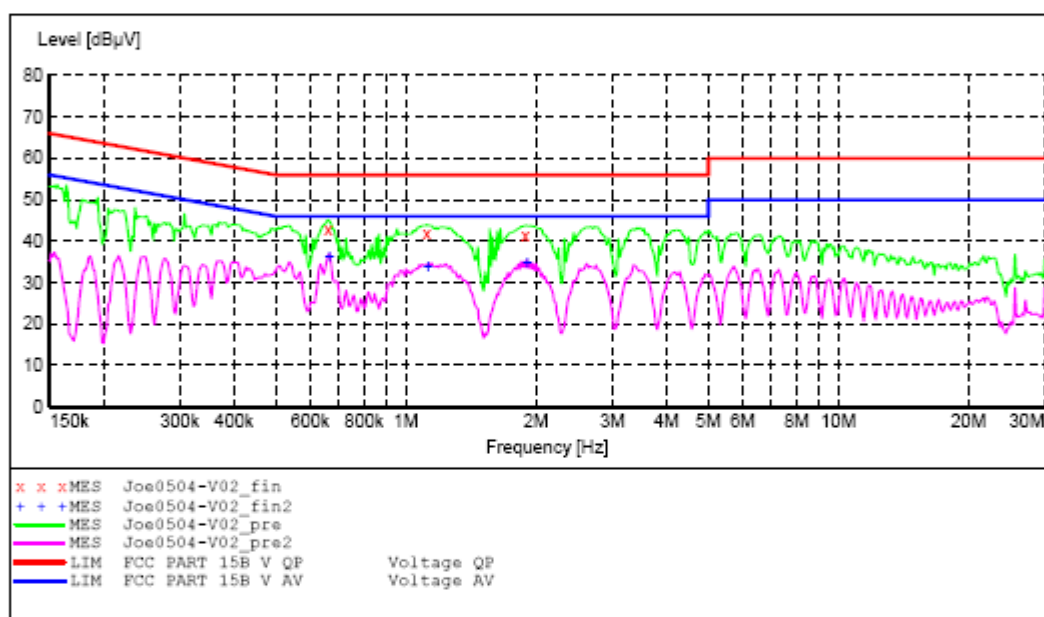
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: PC-SCAN M/N:GIDS
 Manufacturer: SPX
 Operating Condition: TX Channel 6 (802.11b)
 Test Site: 1#Shielding Room
 Operator: Joe
 Test Specification: L 120V/60Hz
 Comment: Report No.:ATE20100831 Sample No.:100900
 Start of Test: 5/4/2010 / 10:32:36AM

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: "Joe0504-V02_fin"

5/4/2010 10:35AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.660314	42.70	11.9	56	13.3	QP	L1	GND
1.117237	41.90	11.8	56	14.1	QP	L1	GND
1.890342	41.20	11.7	56	14.8	QP	L1	GND

MEASUREMENT RESULT: "Joe0504-V02_fin2"

5/4/2010 10:35AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.665596	36.70	11.9	46	9.3	AV	L1	GND
1.126175	34.20	11.8	46	11.8	AV	L1	GND
1.905465	35.20	11.7	46	10.8	AV	L1	GND

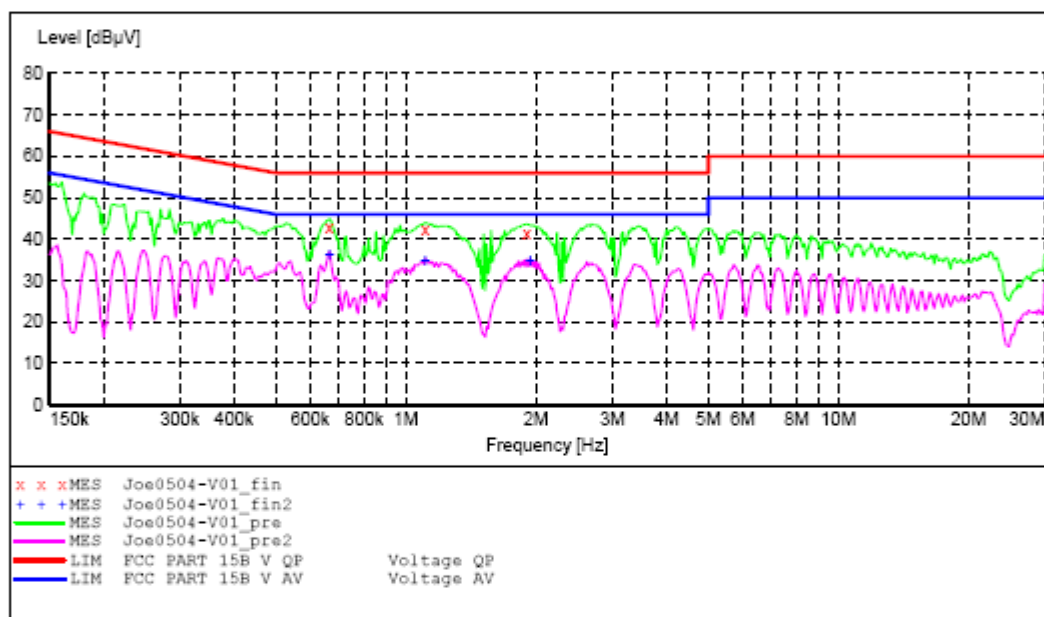
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: PC-SCAN M/N:GIDS
 Manufacturer: SPX
 Operating Condition: TX Channel 6 (802.11b)
 Test Site: 1#Shielding Room
 Operator: Joe
 Test Specification: N 120V/60Hz
 Comment: Report No.: ATE20100831 Sample No.: 100900
 Start of Test: 5/4/2010 / 10:28:58AM

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: "Joe0504-V01_fin"

5/4/2010 10:31AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.665596	42.90	11.9	56	13.1	QP	N	GND
1.108370	42.10	11.8	56	13.9	QP	N	GND
1.905465	41.50	11.7	56	14.5	QP	N	GND

MEASUREMENT RESULT: "Joe0504-V01_fin2"

5/4/2010 10:31AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.665596	36.70	11.9	46	9.3	AV	N	GND
1.108370	35.00	11.8	46	11.0	AV	N	GND
1.936075	35.00	11.7	46	11.0	AV	N	GND

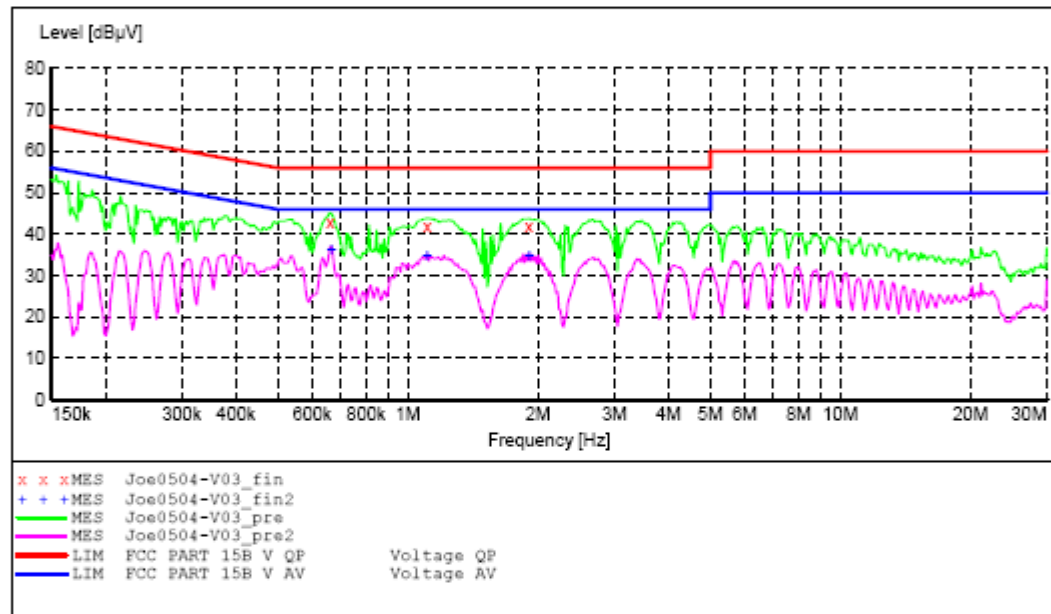
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: PC-SCAN M/N:GIDS
 Manufacturer: SPX
 Operating Condition: TX Channel 6 (802.11g)
 Test Site: 1#Shielding Room
 Operator: Joe
 Test Specification: L 120V/60Hz
 Comment: Report No.: ATE20100831 Sample No.: 100900
 Start of Test: 5/4/2010 / 10:35:42AM

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: "Joe0504-V03_fin"

5/4/2010 10:37AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.660314	42.80	11.9	56	13.2	QP	L1	GND
1.108370	42.10	11.8	56	13.9	QP	L1	GND
1.905465	41.70	11.7	56	14.3	QP	L1	GND

MEASUREMENT RESULT: "Joe0504-V03_fin2"

5/4/2010 10:37AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.665596	36.70	11.9	46	9.3	AV	L1	GND
1.108370	35.10	11.8	46	10.9	AV	L1	GND
1.905465	35.20	11.7	46	10.8	AV	L1	GND

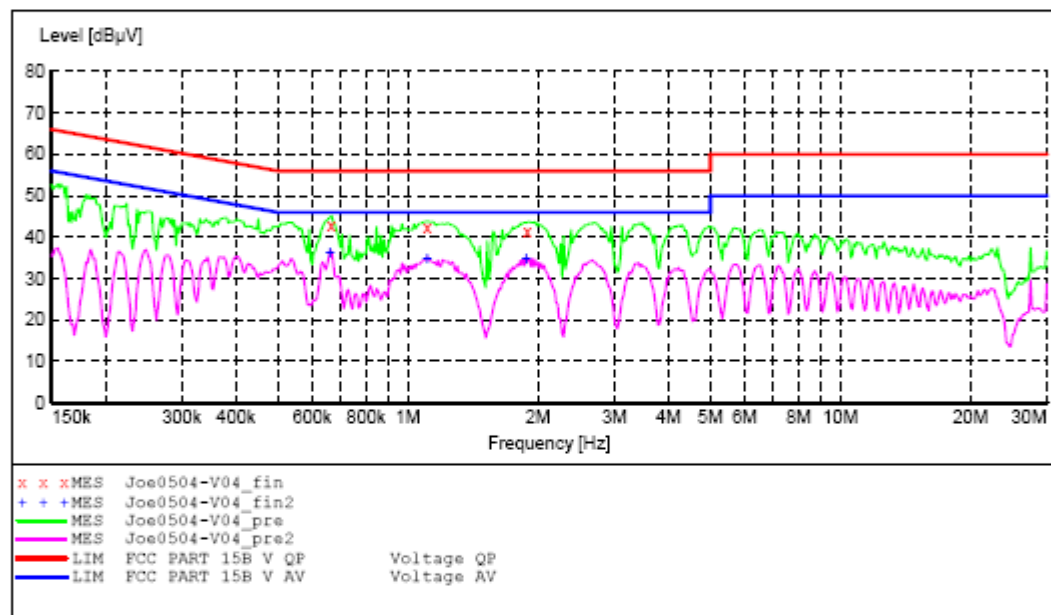
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: PC-SCAN M/N:GIDS
 Manufacturer: SPX
 Operating Condition: TX Channel 6 (802.11g)
 Test Site: 1#Shielding Room
 Operator: Joe
 Test Specification: N 120V/60Hz
 Comment: Report No.: ATE20100831 Sample No.: 100900
 Start of Test: 5/4/2010 / 10:38:33AM

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: "Joe0504-V04_fin"

5/4/2010 10:41AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.665596	42.90	11.9	56	13.1	QP	N	GND
1.108370	42.10	11.8	56	13.9	QP	N	GND
1.890342	41.30	11.7	56	14.7	QP	N	GND

MEASUREMENT RESULT: "Joe0504-V04_fin2"

5/4/2010 10:41AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.660314	36.70	11.9	46	9.3	AV	N	GND
1.108370	35.00	11.8	46	11.0	AV	N	GND
1.875340	35.20	11.7	46	10.8	AV	N	GND

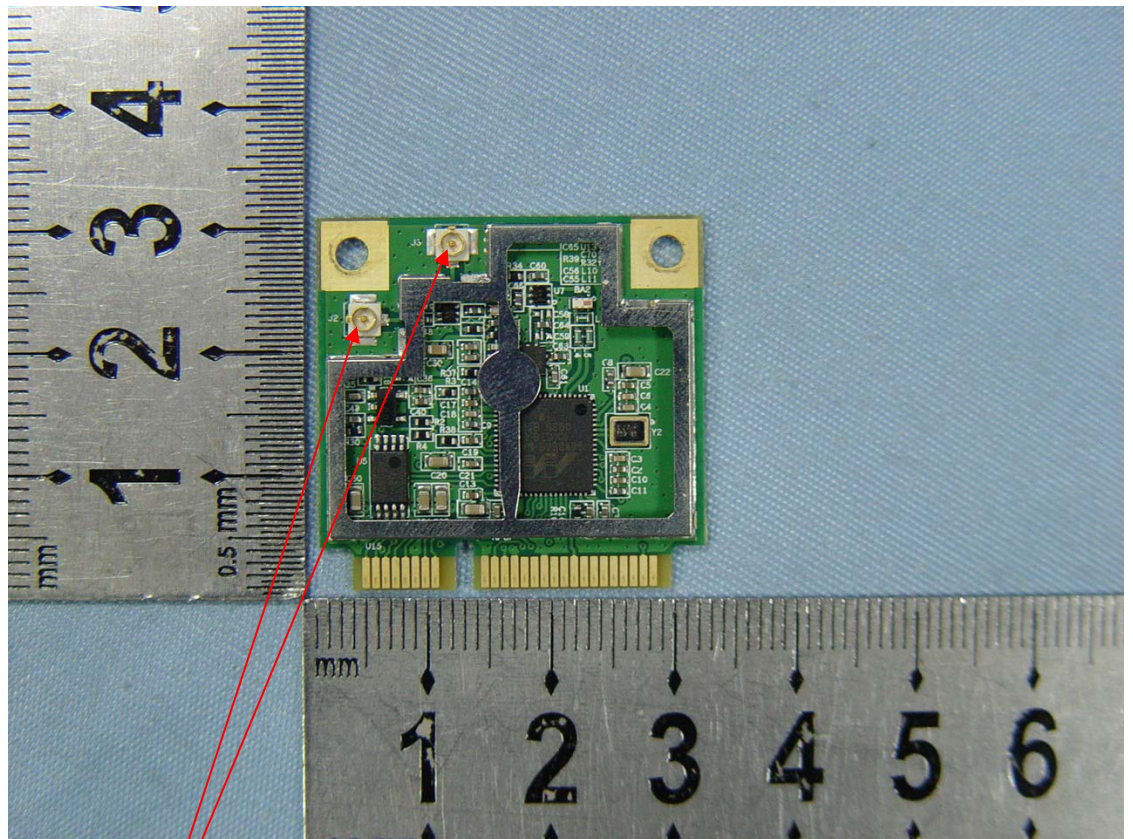
12.ANTENNA REQUIREMENT

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

The transmitter utilizes SMD chip antenna, no consideration of replacement. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna