APPLICATION CERTIFICATION FCC Part 15C
On Behalf of
Hannspree Inc.

HANNSpad
Model No.: HSG1248

FCC ID: VD2HSG1248

Prepared for	:	Hannspree Inc.
Address	:	No.48, Wucyuan Rd., Wugu Industrial Zone, Taipei County, Taiwan
Prepared by	:	ACCURATE TECHNOLOGY CO., LTD
Address	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China
		Tel: (0755) 26503290
		Fax: (0755) 26503396

Report Number	:	ATE20120847
Date of Test	:	April 28-May 19, 2012
Date of Report	:	May 22, 2012

TABLE OF CONTENTS

Description Page

Test Report Certification

Applicant **:** Hannspree Inc.

Manufacturer **:** Hannspree Inc.

Factory **:** Huike Electronics(shenzhen) Co., Ltd.

EUT Description **:** HANNSpad

(A) MODEL NO.: HSG1248

(B) SERIAL NO.: N/A

(C) POWER SUPPLY: DC 3.7V (Lithium polymer battery) or AC 120V/50Hz supplied form Adapter

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247
ANSI C63.10: 2009

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 : April 28-May 19, 2012

Prepared by :

Apple Lv

(Engineer)

Approved & Authorized Signer :

(Manager)

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT	:	HANNSpad
Model Number	:	HSG1248
Frequency Range	:	802.11b/g/n(20MHz): 2412-2462MHz 802.11n(40MHz): 2422-2452MHz
Number of Channels	:	802.11b/g/n (20MHz):11 802.11n (40MHz): 7
Antenna Gain	:	0dBi
Power Supply	:	DC 3.7V (Lithium polymer battery 2×) or AC 120V/60Hz supplied form Adapter
Adapter	:	Model number: JY-05200 Input: AC 100-240V; 50/60Hz 0.5A Max. Output: DC 5V/2A
Data Rate	:	802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n: up to 150Mbps
Applicant	:	Hannspree Inc.
Address	:	No.48, Wucyuan Rd., Wugu Industrial Zone, Taipei County, Taiwan
Manufacturer	:	Hannspree Inc.
Address	:	No.48, Wucyuan Rd., Wugu Industrial Zone, Taipei County, Taiwan
Factory	:	Huike Electronics(shenzhen) Co., Ltd.
Address	:	Building 1, 2, 3, Huike Industrial Park, Mingying Industrial Zone, ShuiTian, ShiYan, Banan, Shenzhen, China 518108
Date of sample received	:	April 28, 2012
Date of Test	:	April 28-May 19, 2012

1.2.Carrier Frequency of Channels

802.11b, 802.11g, 802.11n (20MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	11	2462
06	2437	---	---

802.11n (40MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
---	---	07	2442
---	---	08	2447
03	2422	09	2452
04	2427	---	---
05	2432	---	---
06	2437	---	---

1.3.Special Accessory and Auxiliary Equipment

N/A

1.4.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

1.5.Measurement Uncertainty

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

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 8, 2012	Jan. 7, 2013
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 8, 2012	Jan. 7, 2013
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 8, 2012	Jan. 7, 2013
Pre-Amplifier	Rohde&Schwarz	CBLU1183540-01	3791	Jan. 8, 2012	Jan. 7, 2013
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 8, 2012	Jan. 7, 2013
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 8, 2012	Jan. 7, 2013
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 8, 2012	Jan. 7, 2013
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 8, 2012	Jan. 7, 2013

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The mode is used: **1.802.11b Transmitting mode**

Low Channel: 2412MHz
Middle Channel: 2437MHz
High Channel: 2462MHz

2.802.11g Transmitting mode

Low Channel: 2412MHz
Middle Channel: 2437MHz
High Channel: 2462MHz

3.802.11n (20MHz) Transmitting mode

Low Channel: 2412MHz
Middle Channel: 2437MHz
High Channel: 2462MHz

4.802.11n (40MHz) Transmitting mode

Low Channel: 2422MHz
Middle Channel: 2437MHz
High Channel: 2452MHz

5. Charging

3.2.Configuration and peripherals

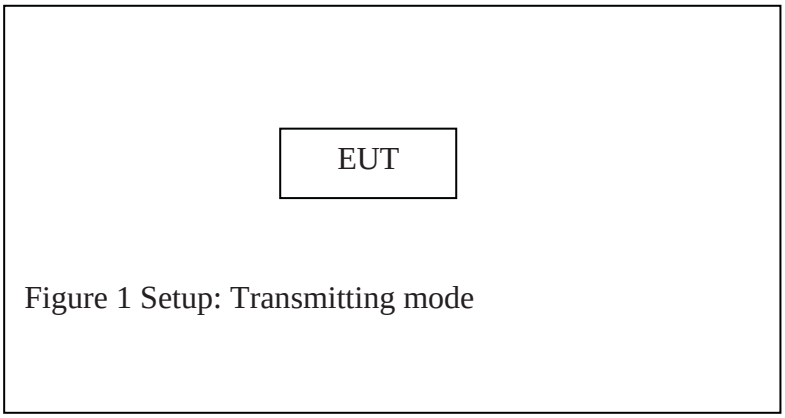


Figure 1 Setup: Transmitting mode

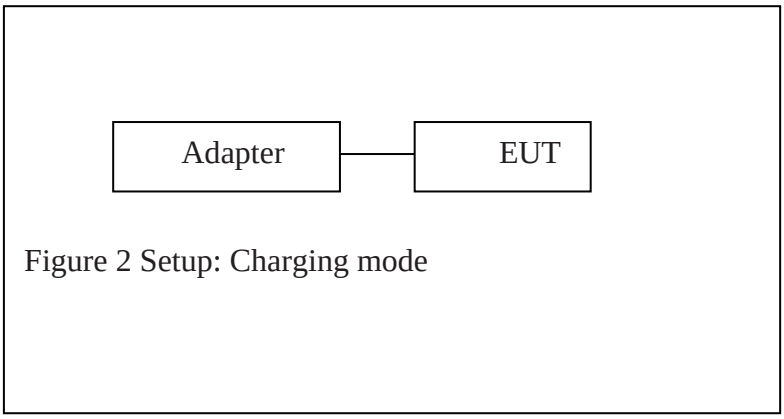


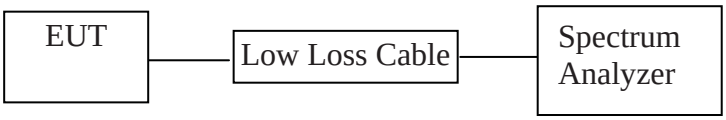
Figure 2 Setup: Charging mode

4. TEST PROCEDURES AND RESULTS

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

5. 6DB BANDWIDTH MEASUREMENT

5.1.Block Diagram of Test Setup



(EUT: HANNSpad)

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

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

5.3.EUT Configuration on Measurement

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

5.3.1.HANNSpad (EUT)

Model Number	:	HSG1248
Serial Number	:	N/A
Manufacturer	:	Hannspree Inc.

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 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz 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:	May 11, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	12.04	> 0.5MHz
Middle	2437	12.00	> 0.5MHz
High	2462	12.04	> 0.5MHz

The test was performed with 802.11g

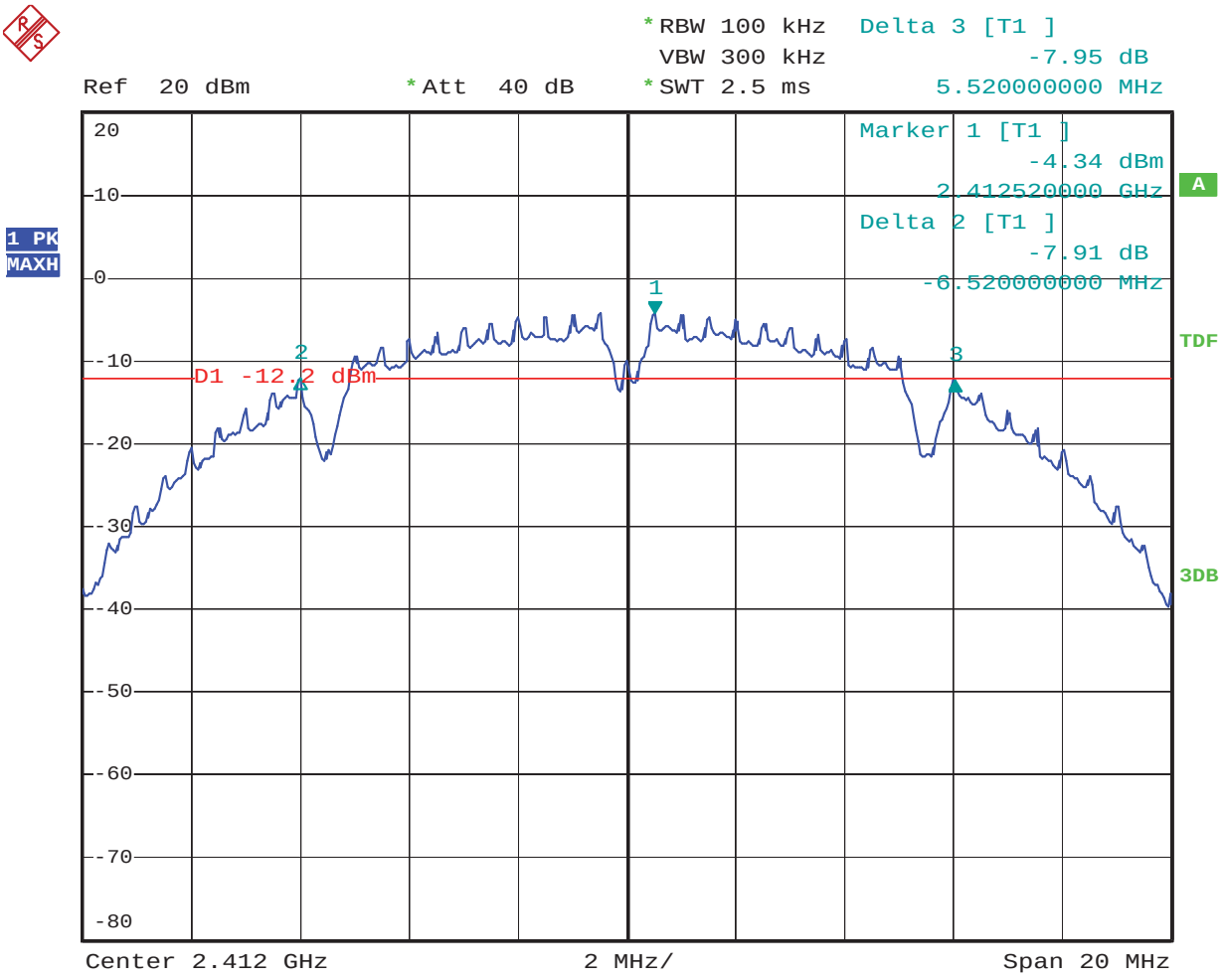
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	16.44	> 0.5MHz
Middle	2437	16.44	> 0.5MHz
High	2462	16.48	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 20 MHz)			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	16.48	> 0.5MHz
Middle	2437	16.52	> 0.5MHz
High	2462	16.48	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 40 MHz)			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2422	34.60	> 0.5MHz
Middle	2437	36.56	> 0.5MHz
High	2452	36.48	> 0.5MHz

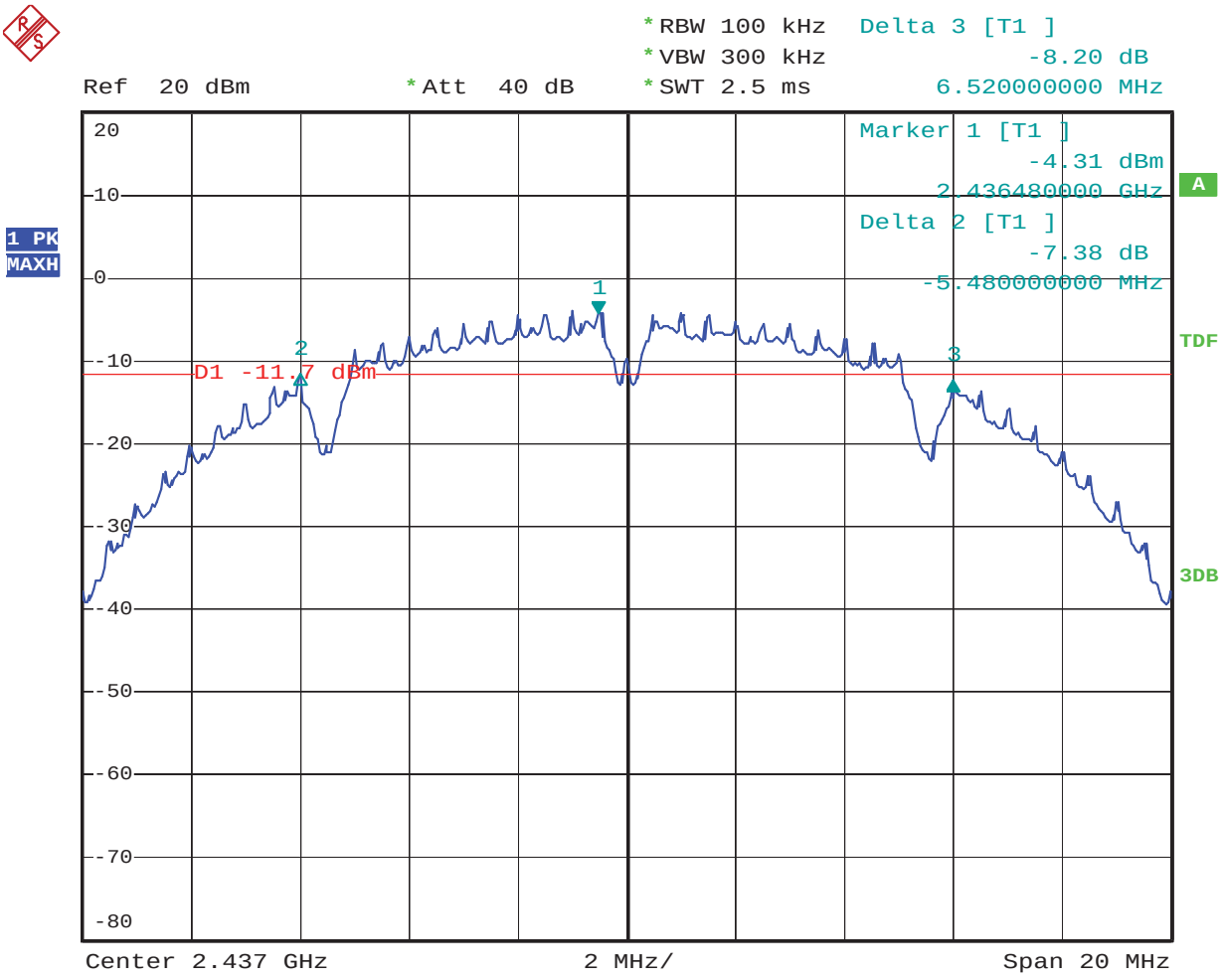
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



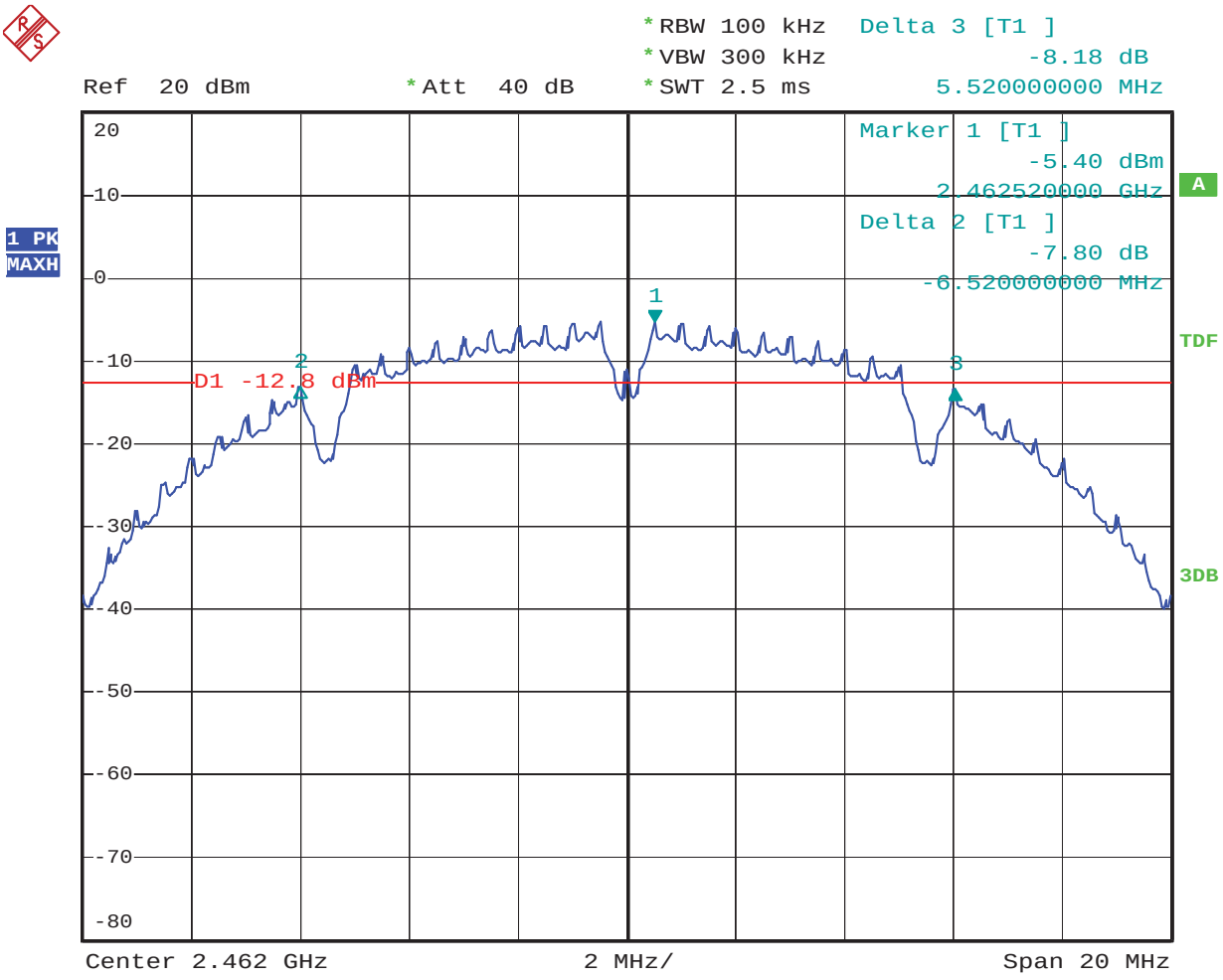
Date: 11.MAY.2012 18:19:18

802.11b Channel Middle 2437MHz



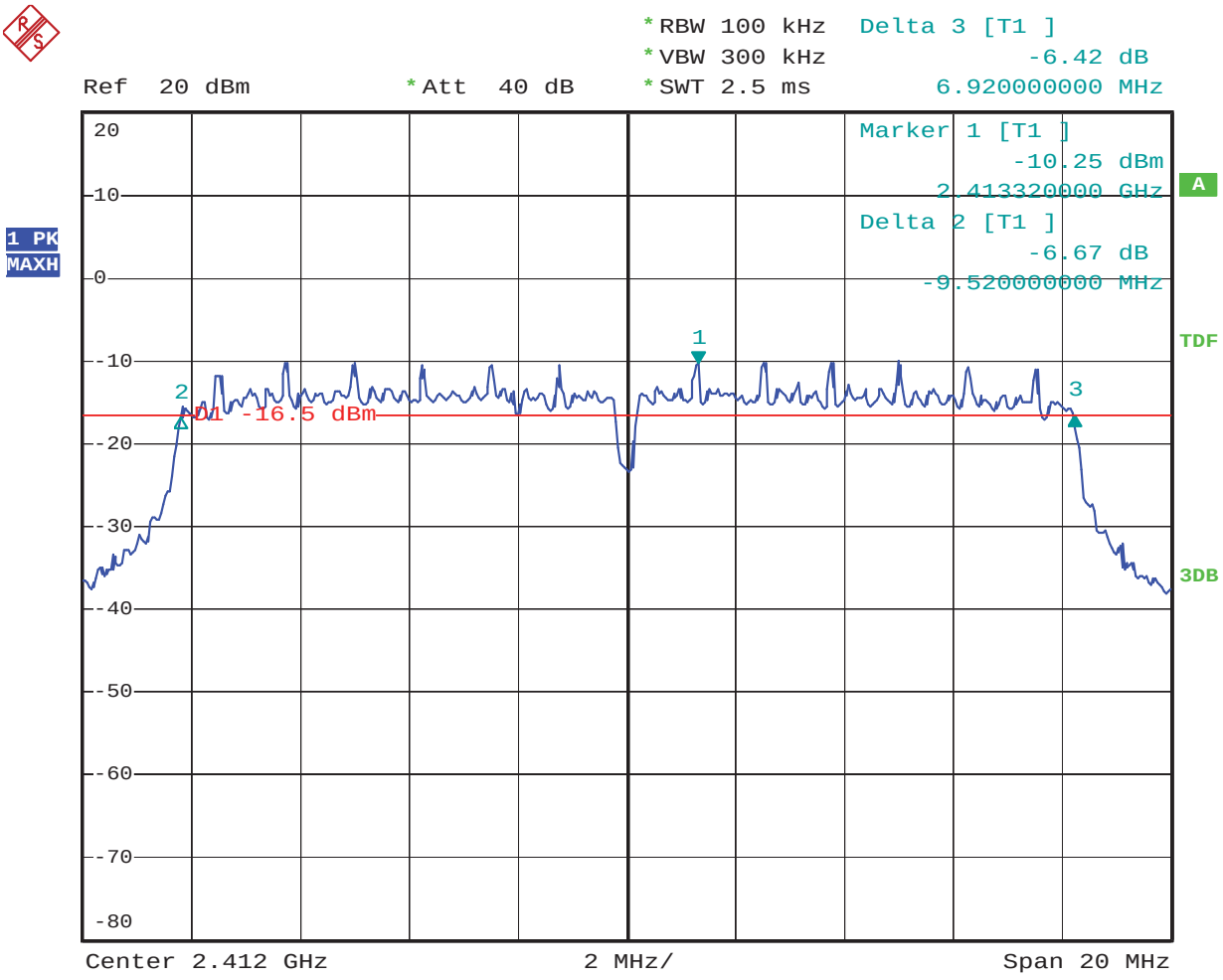
Date: 11.MAY.2012 18:27:56

802.11b Channel High 2462MHz

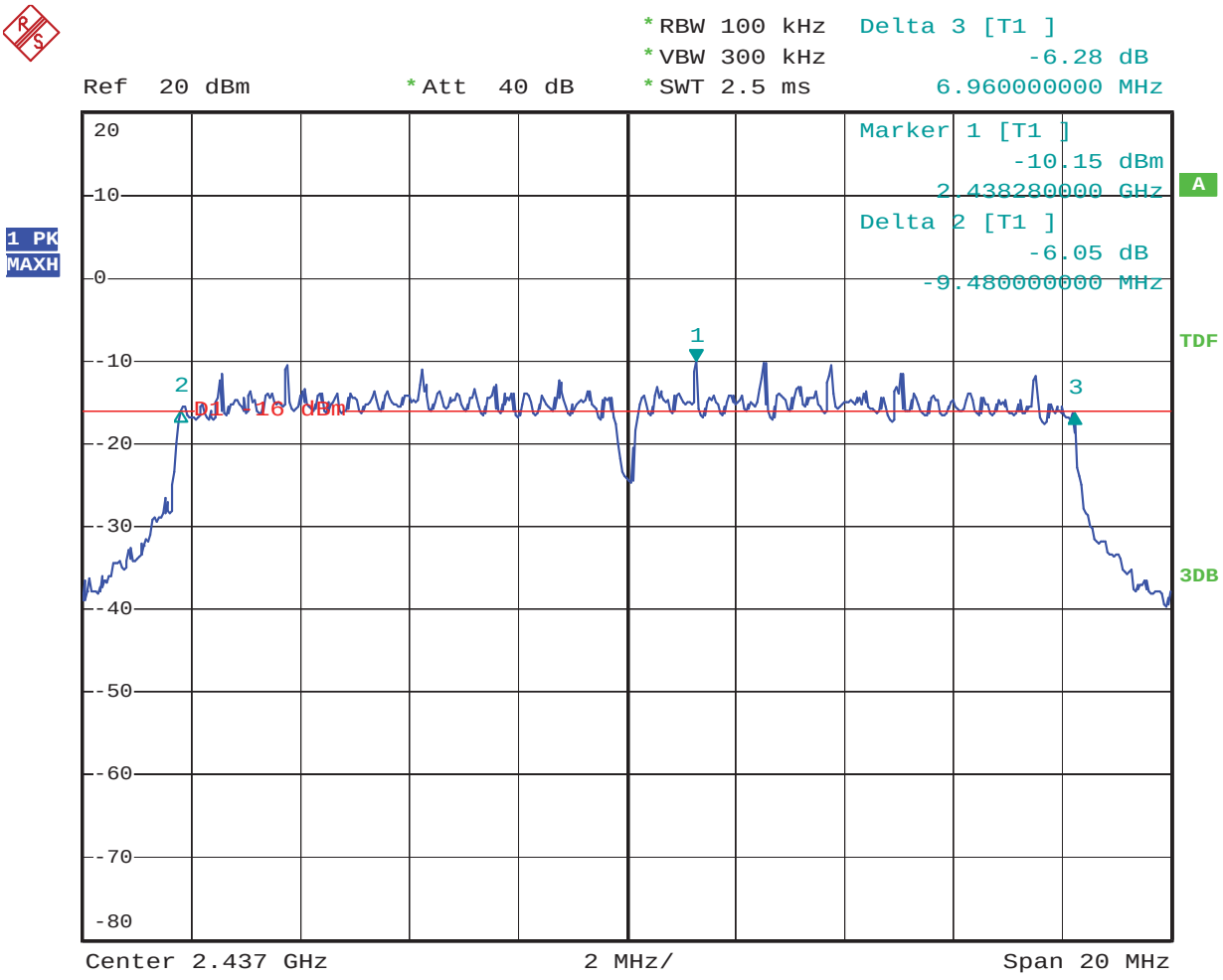


Date: 11.MAY.2012 18:36:05

802.11g Channel Low 2412MHz

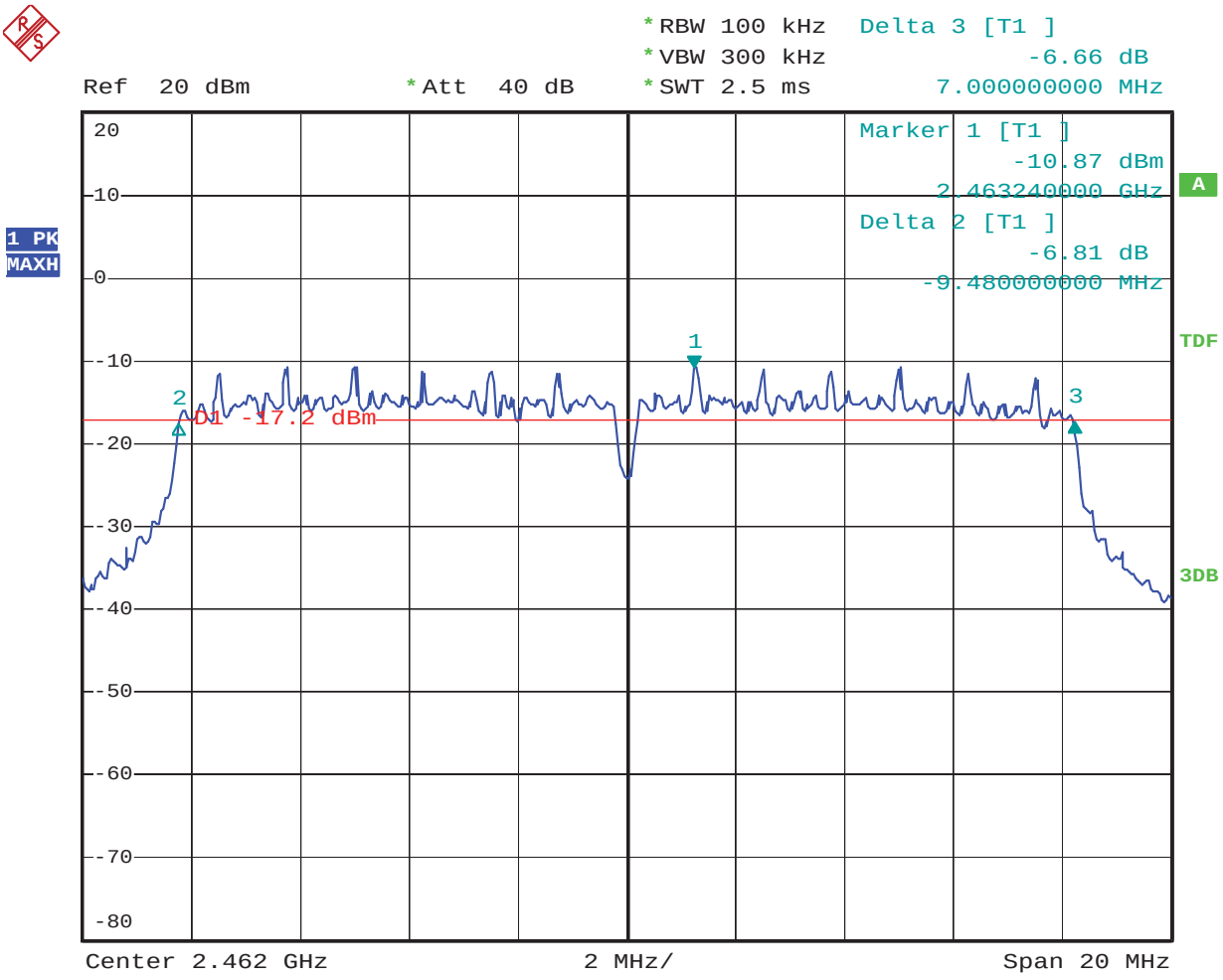


802.11g Channel Middle 2437MHz



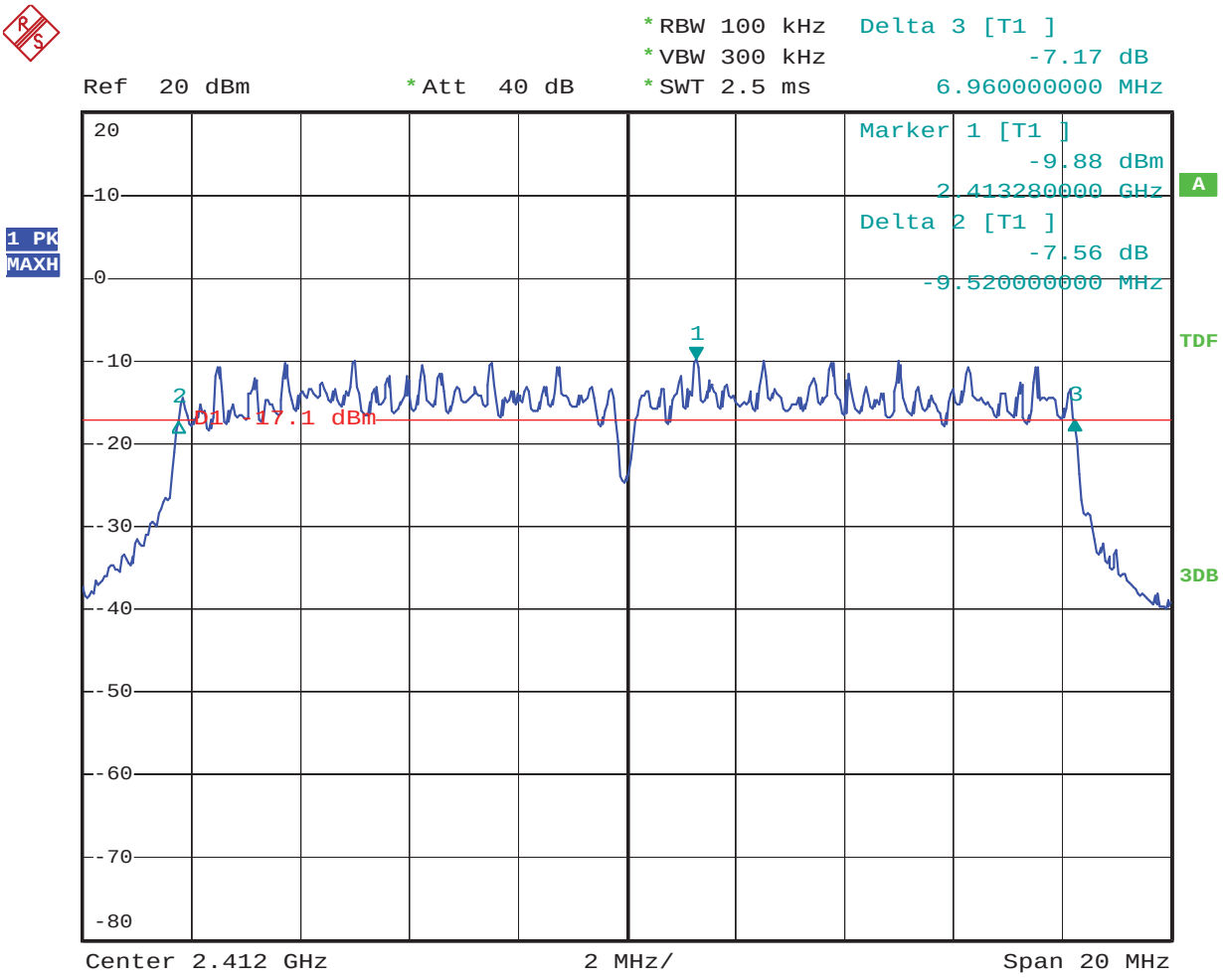
Date: 11.MAY.2012 19:00:06

802.11g Channel High 2462MHz



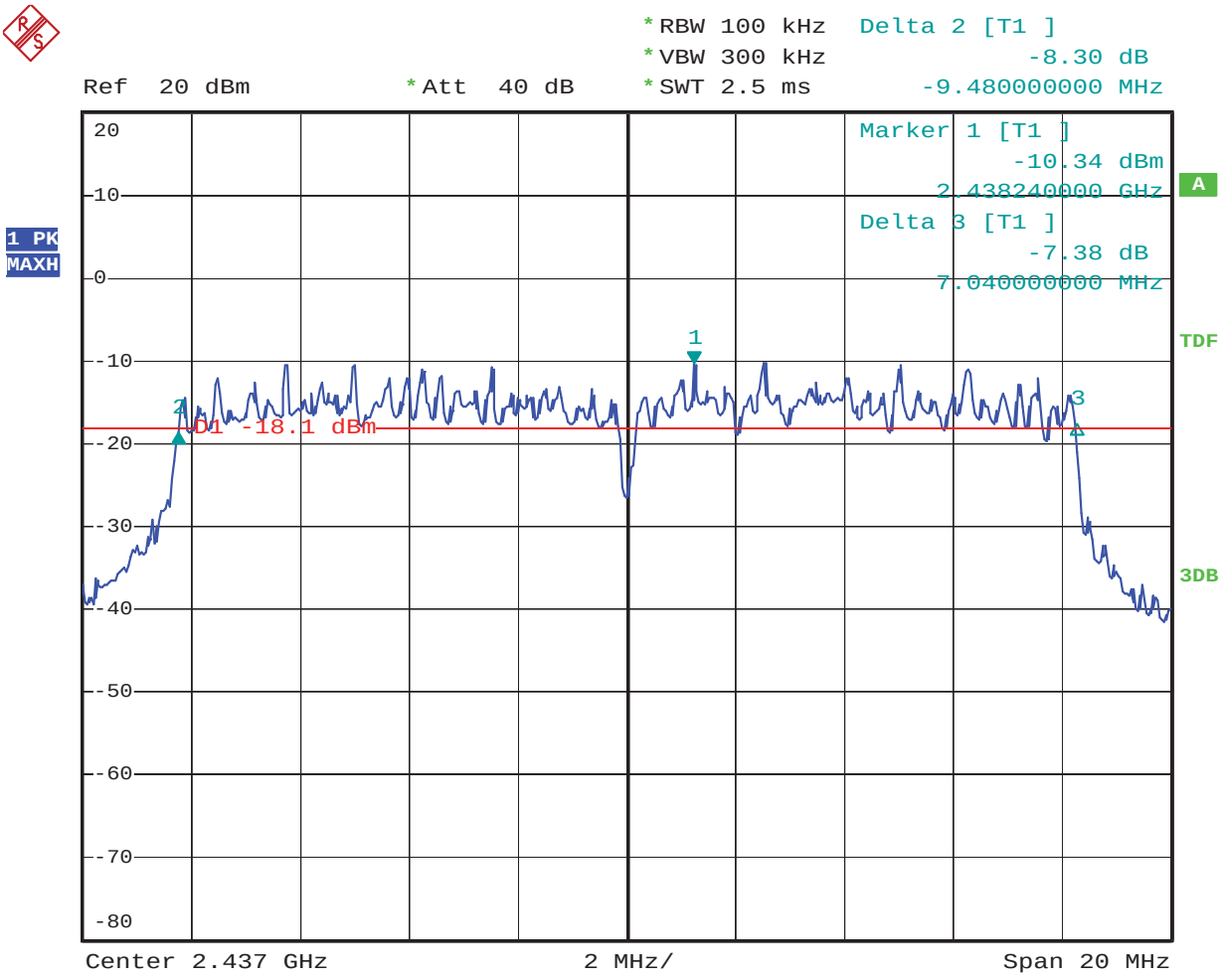
Date: 11.MAY.2012 19:14:55

802.11n Channel Low 2412MHz (20MHz)



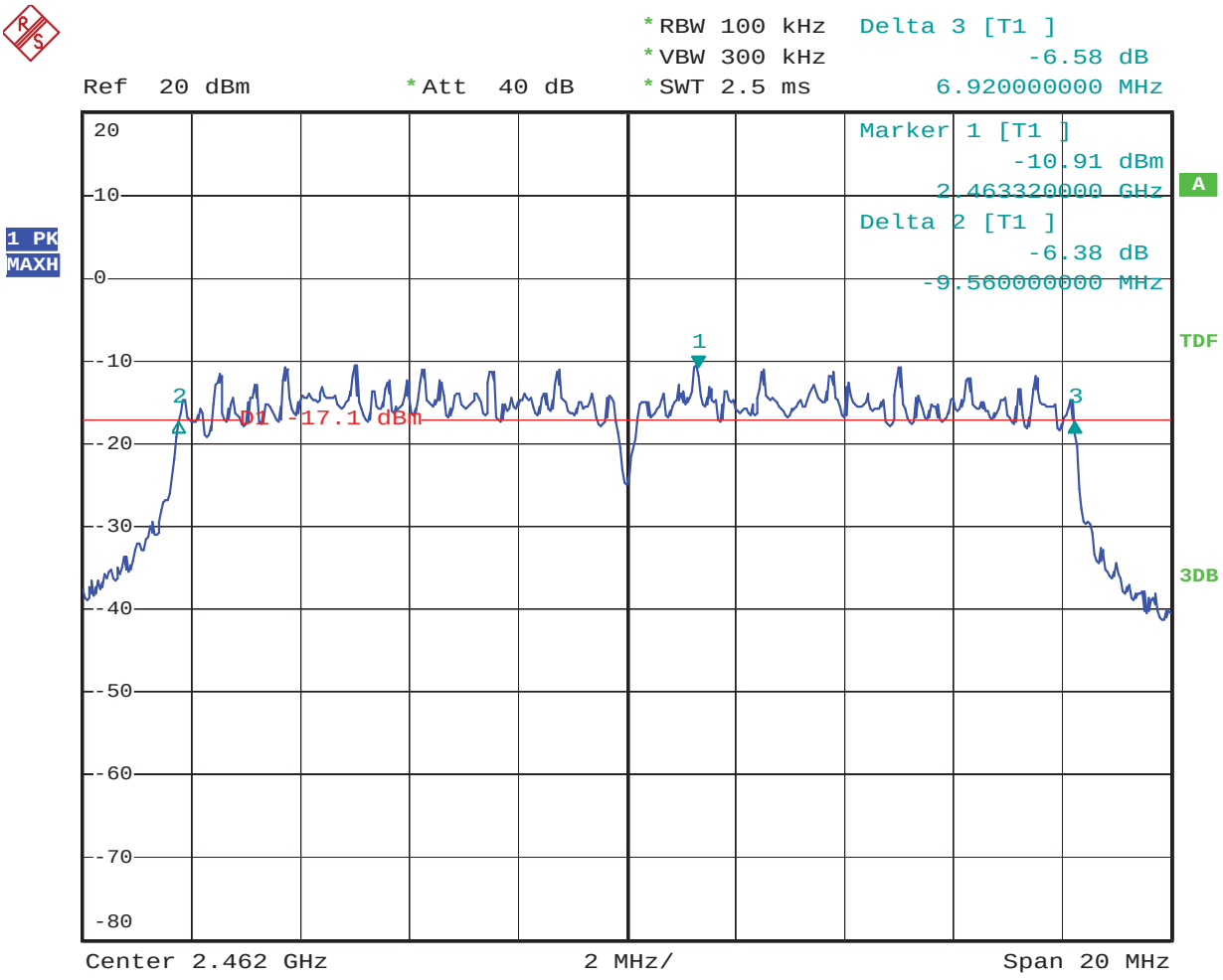
Date: 11.MAY.2012 19:23:52

802.11n Channel Middle 2437MHz(20MHz)



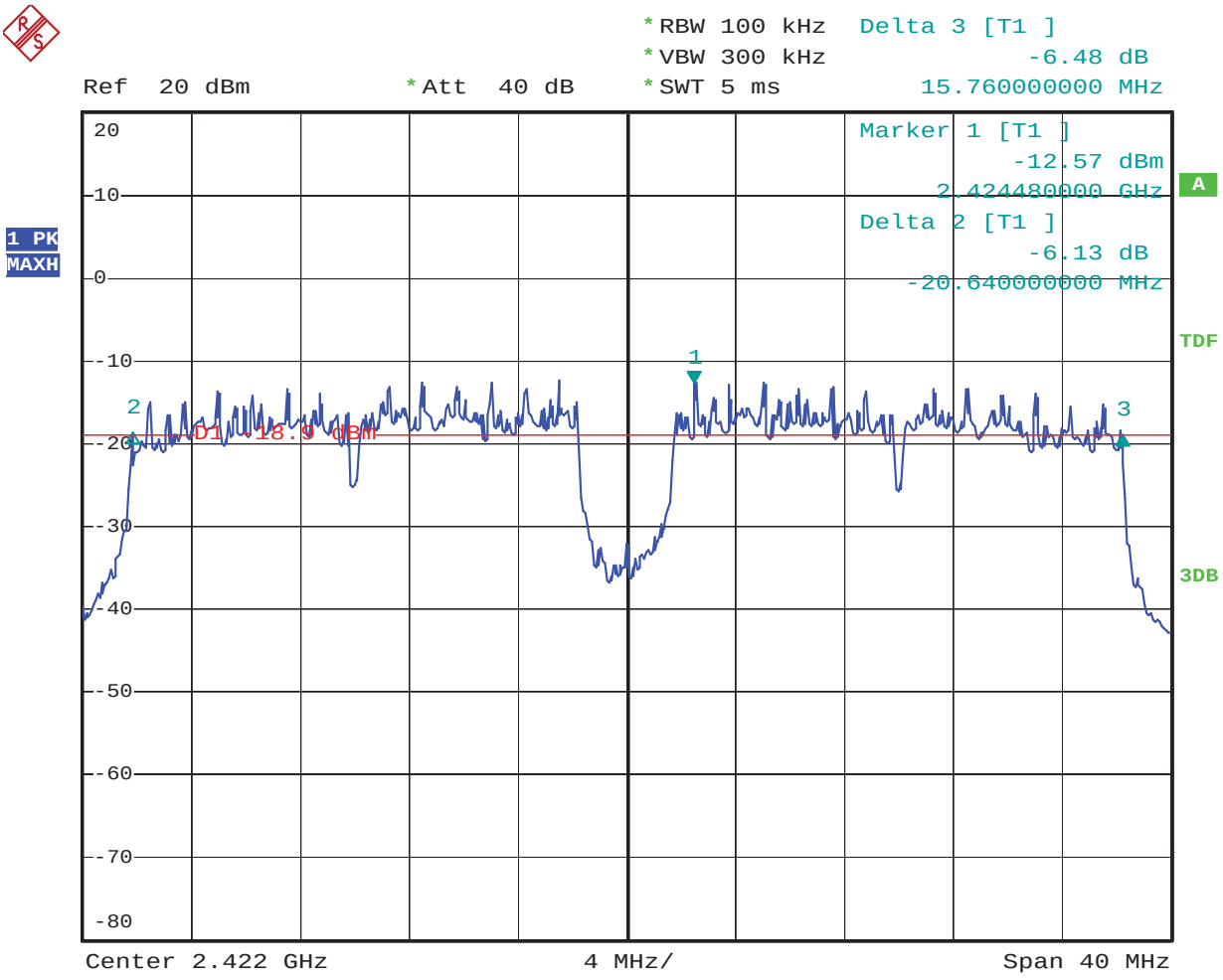
Date: 11.MAY.2012 19:35:13

802.11n Channel High 2462MHz(20MHz)

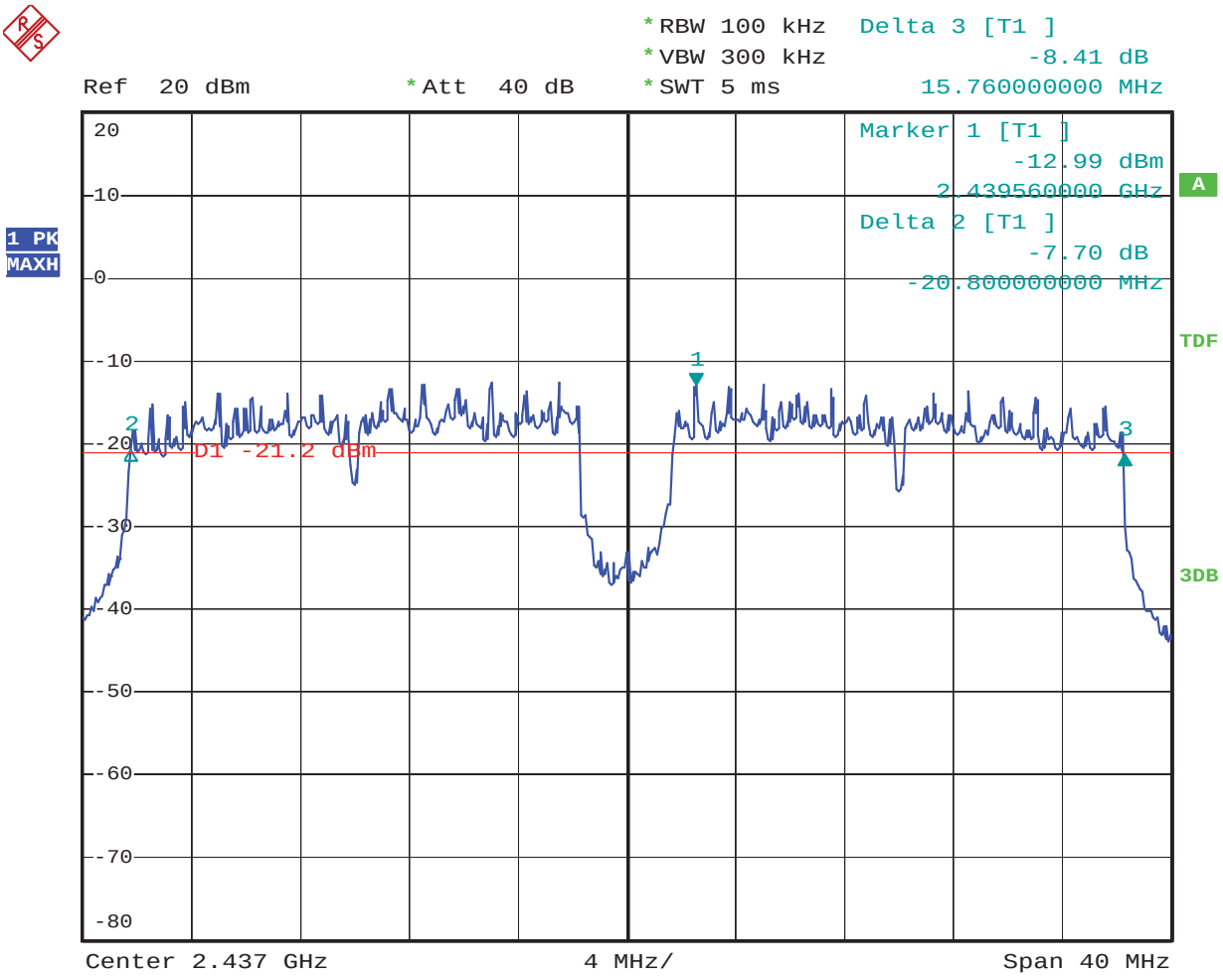


Date: 11.MAY.2012 19:47:47

802.11n Channel Low 2422MHz (40MHz)

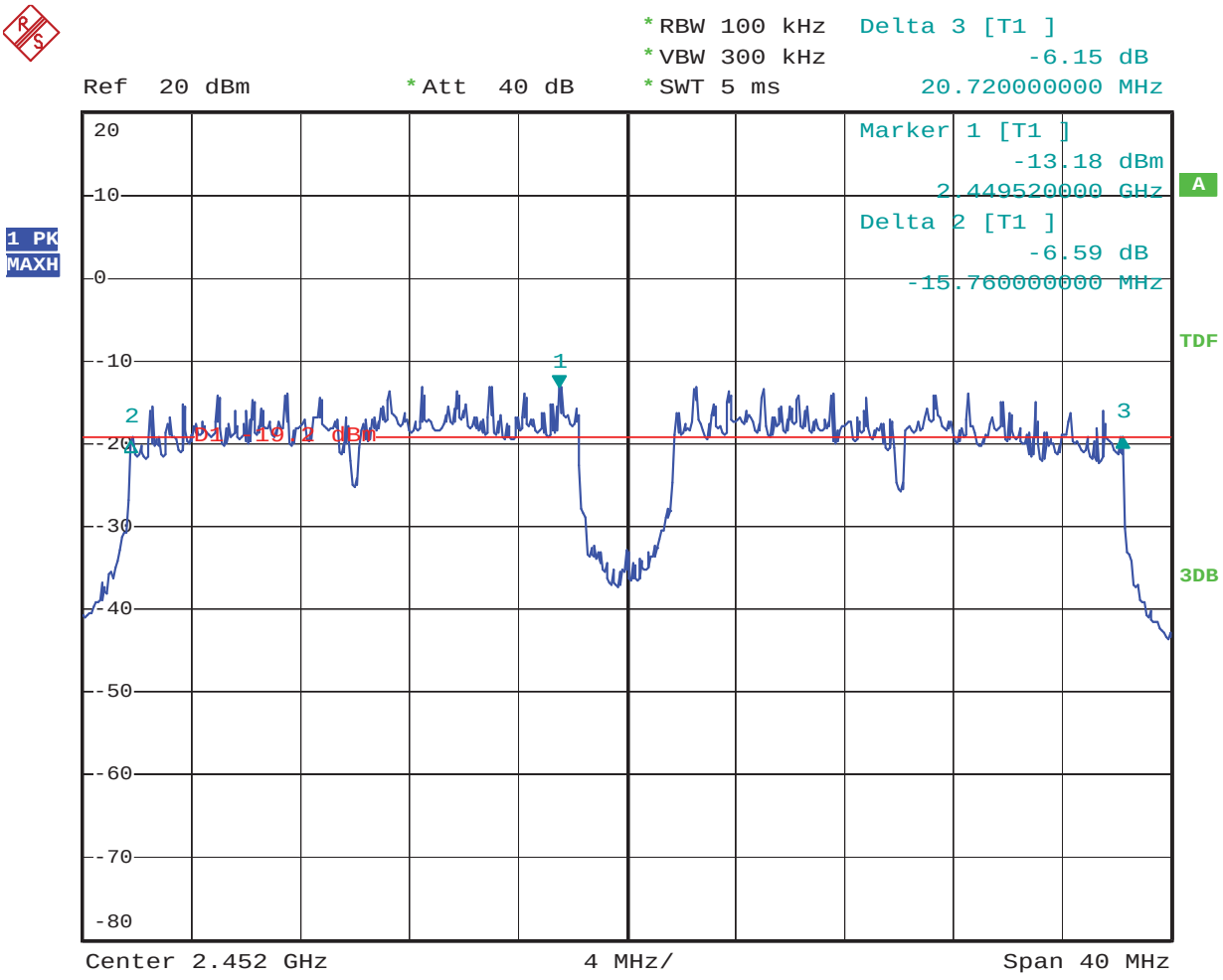


802.11n Channel Middle 2437MHz(40MHz)



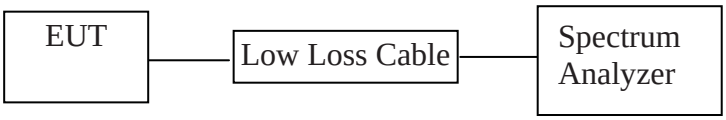
Date: 11.MAY.2012 20:14:08

802.11n Channel High 2452MHz(40MHz)



6. MAXIMUM PEAK OUTPUT POWER

6.1.Block Diagram of Test Setup



(EUT: HANNSpad)

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.HANNSpad (EUT)

Model Number	:	HSG1248
Serial Number	:	N/A
Manufacturer	:	Hannspree Inc.

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 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

6.5. Test Procedure

6.5.1. The EUT was tested according to C63.10:2009, section 6.10.2.

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

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

6.5.4. Measurement the maximum peak output power.

6.6. Test Result

PASS.

Date of Test:	May 11, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	9.78	9.51	30 dBm / 1 W
Middle	2437	9.92	9.82	30 dBm / 1 W
High	2462	9.87	9.71	30 dBm / 1 W

The test was performed with 802.11g

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	8.98	7.91	30 dBm / 1 W
Middle	2437	8.62	7.28	30 dBm / 1 W
High	2462	8.66	7.35	30 dBm / 1 W

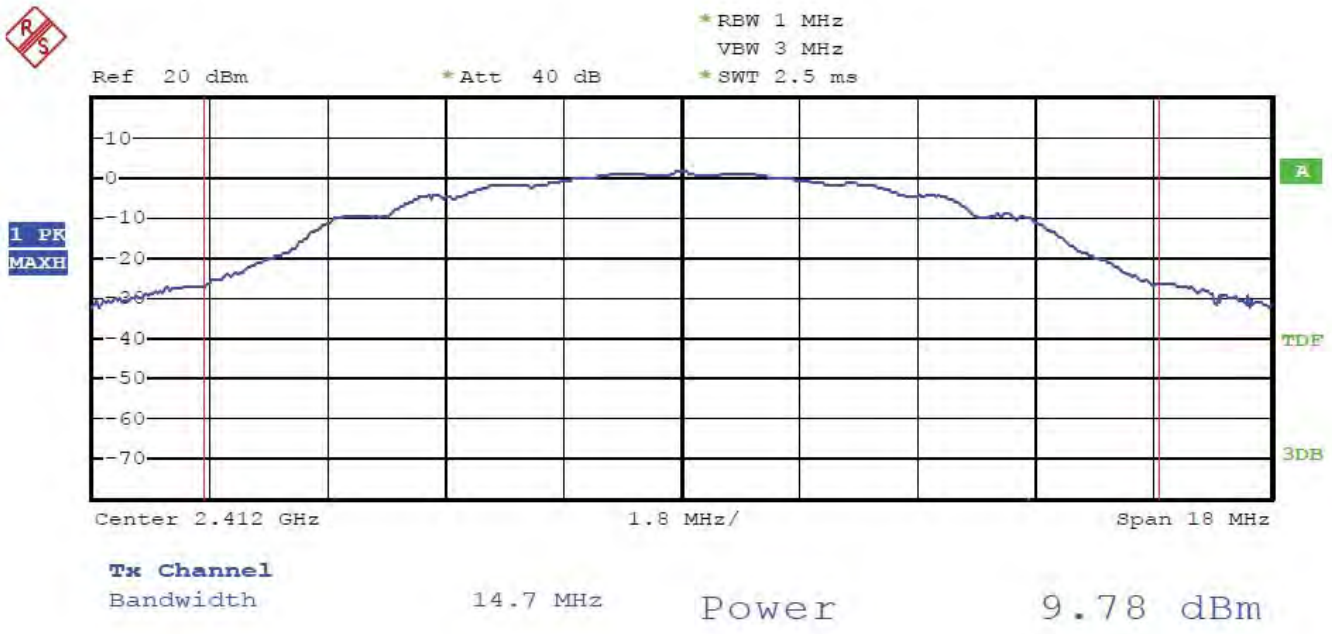
The test was performed with 802.11n (20MHz)

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	8.19	6.59	30 dBm / 1 W
Middle	2437	8.52	7.11	30 dBm / 1 W
High	2462	8.46	7.01	30 dBm / 1 W

The test was performed with 802.11n (40MHz)				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2422	8.08	6.43	30 dBm / 1 W
Middle	2437	8.42	6.95	30 dBm / 1 W
High	2452	8.36	6.85	30 dBm / 1 W

The spectrum analyzer plots are attached as below.

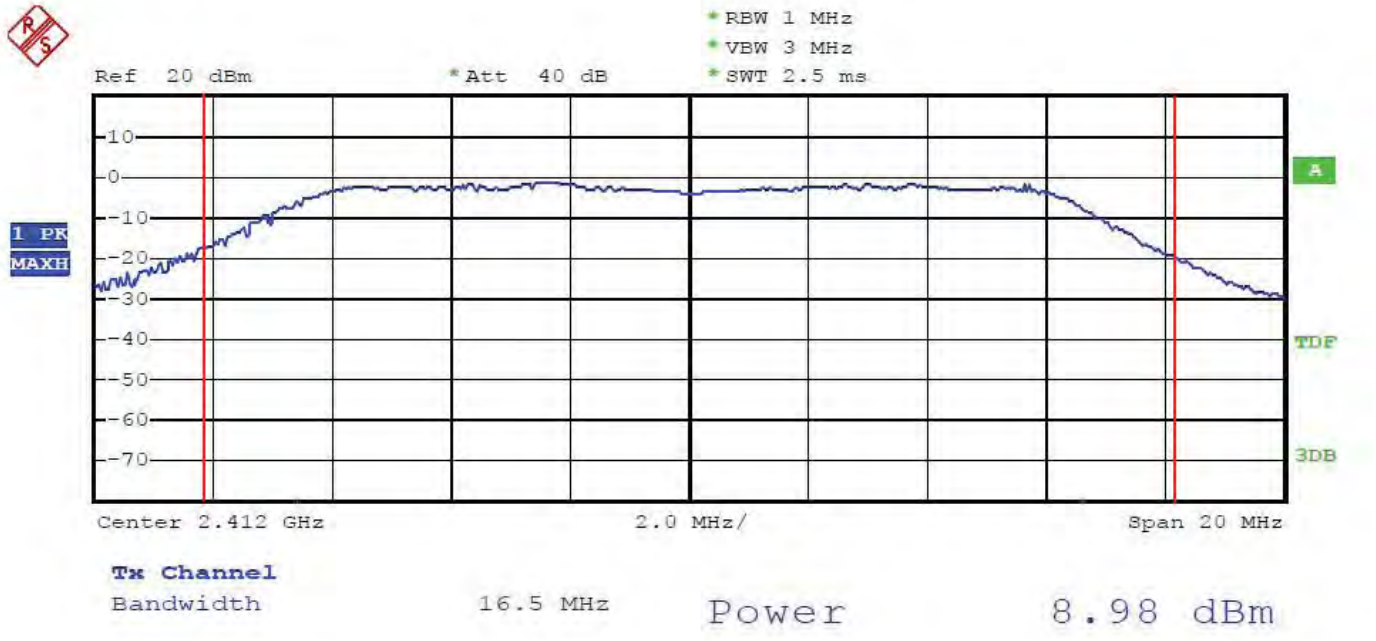
802.11b Channel Low 2412MHz



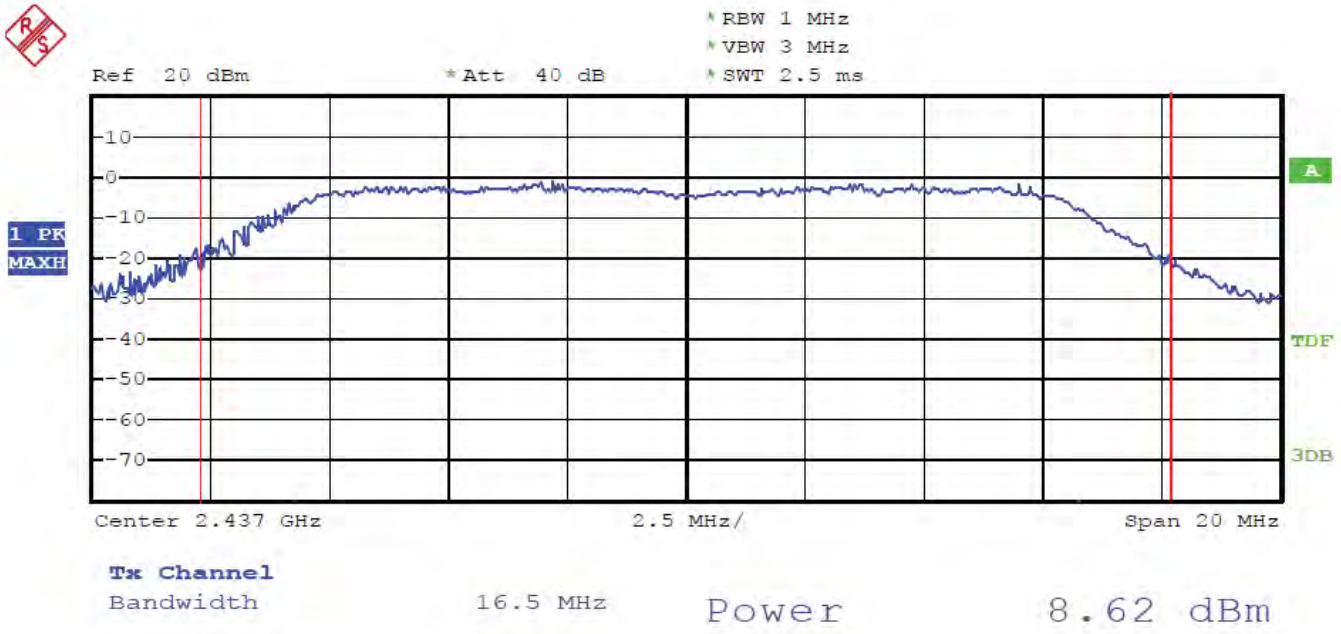
802.11b Channel Middle 2437MHz

802.11b Channel High 2462MHz

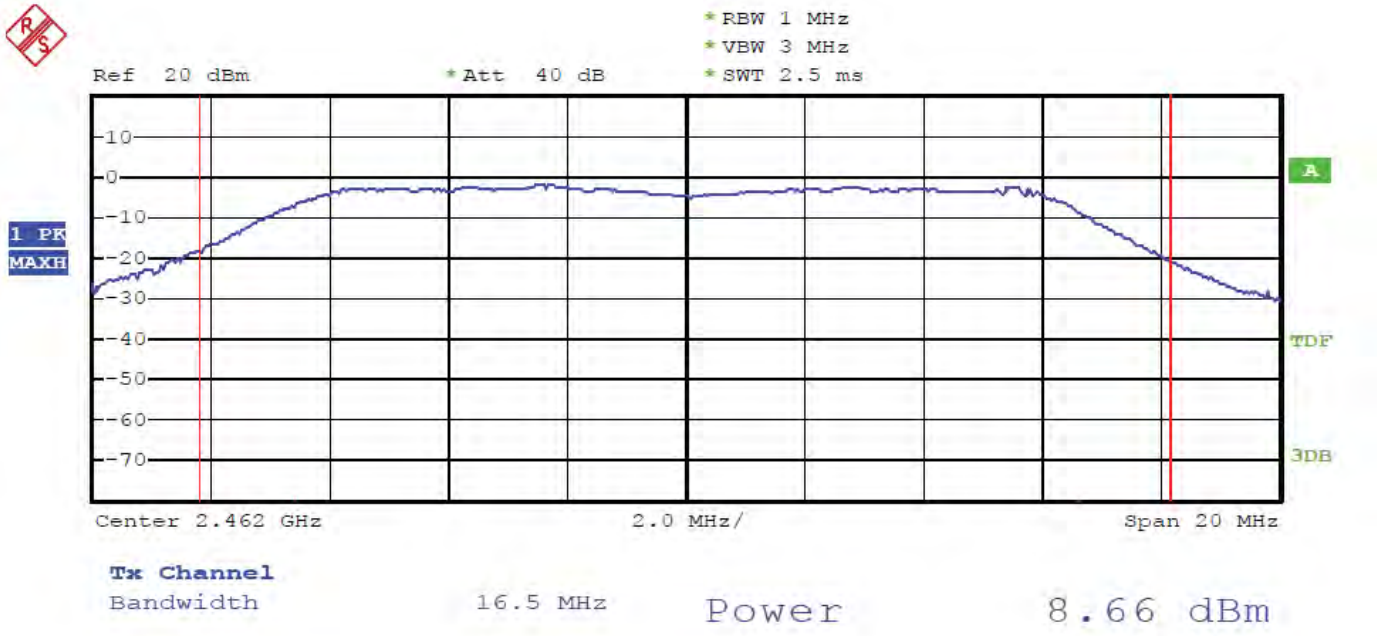
802.11g Channel Low 2412MHz



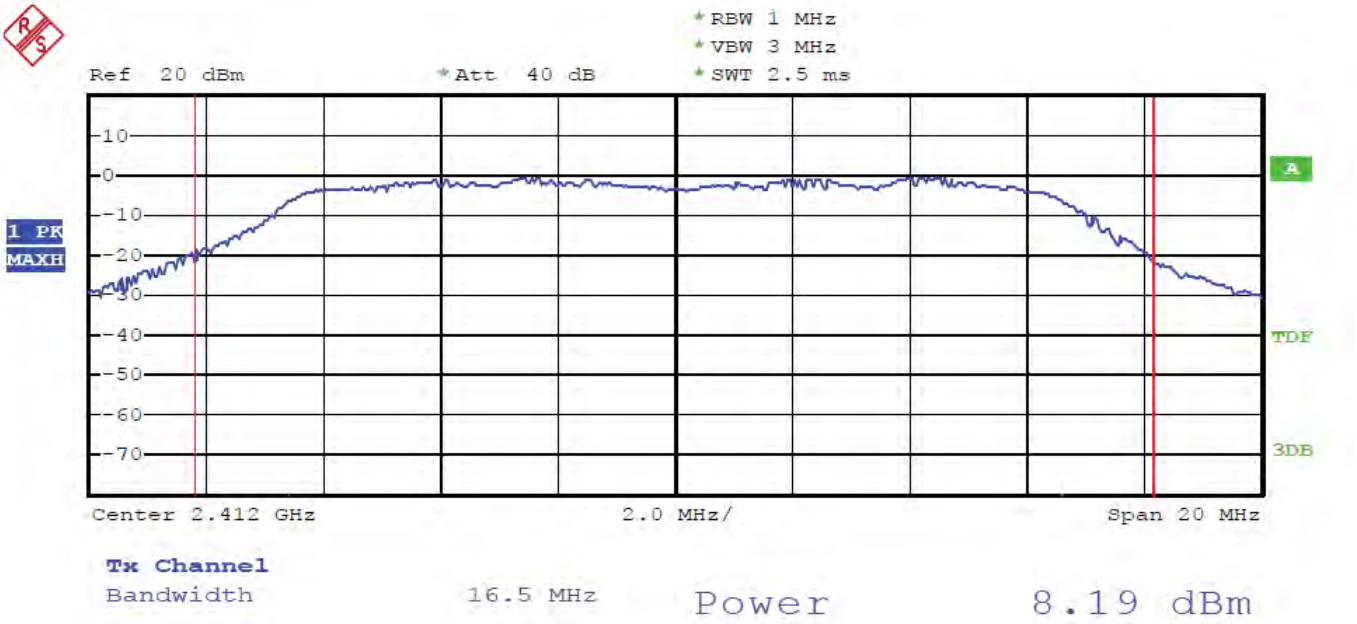
802.11g Channel Middle 2437MHz



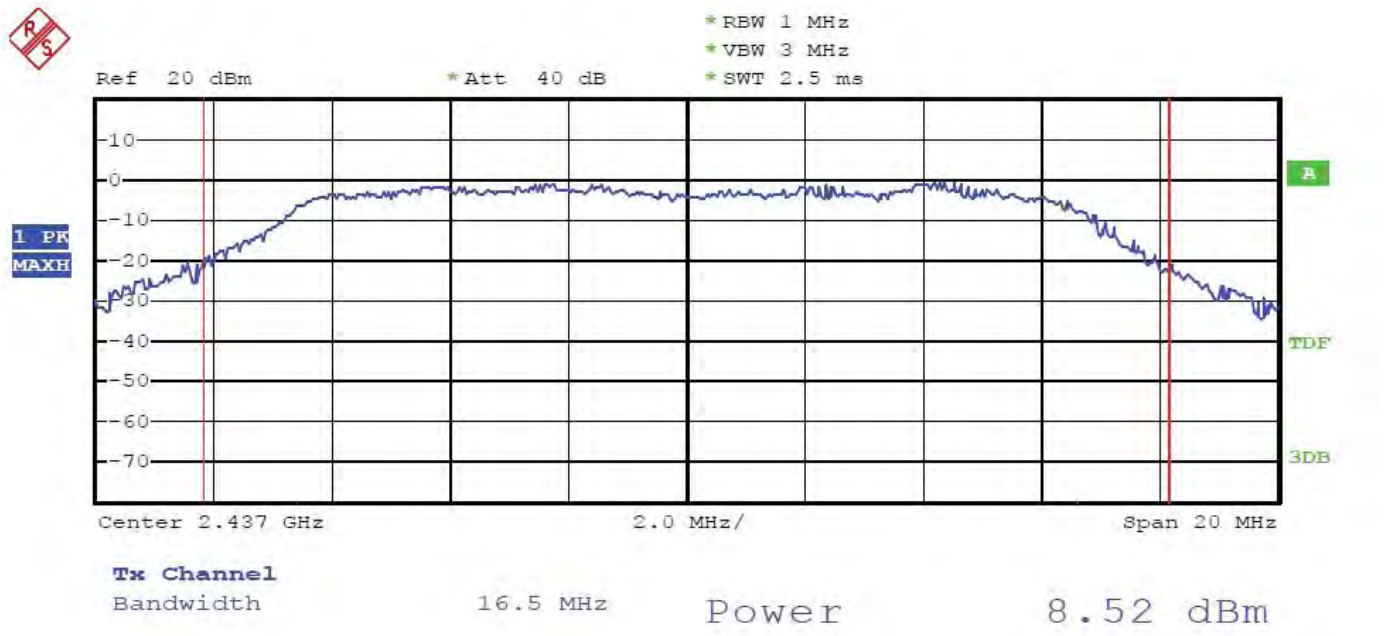
802.11g Channel High 2462MHz



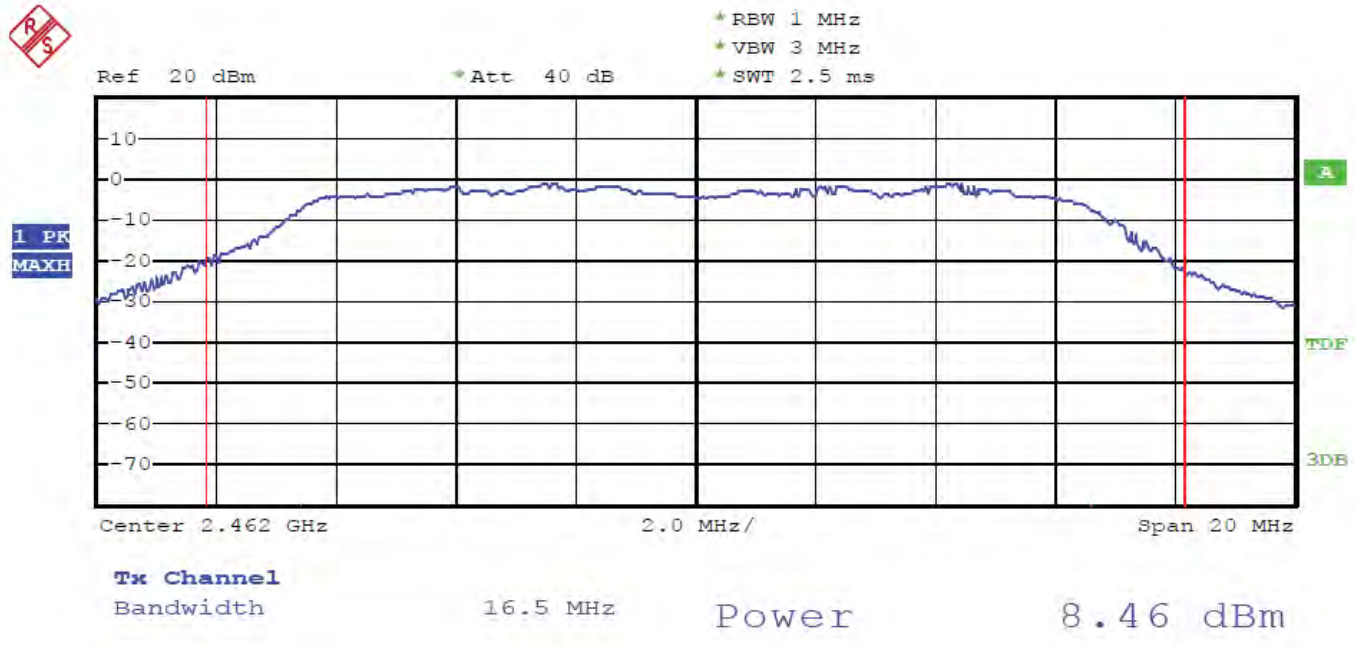
802.11n Channel Low 2412MHz (20MHz)



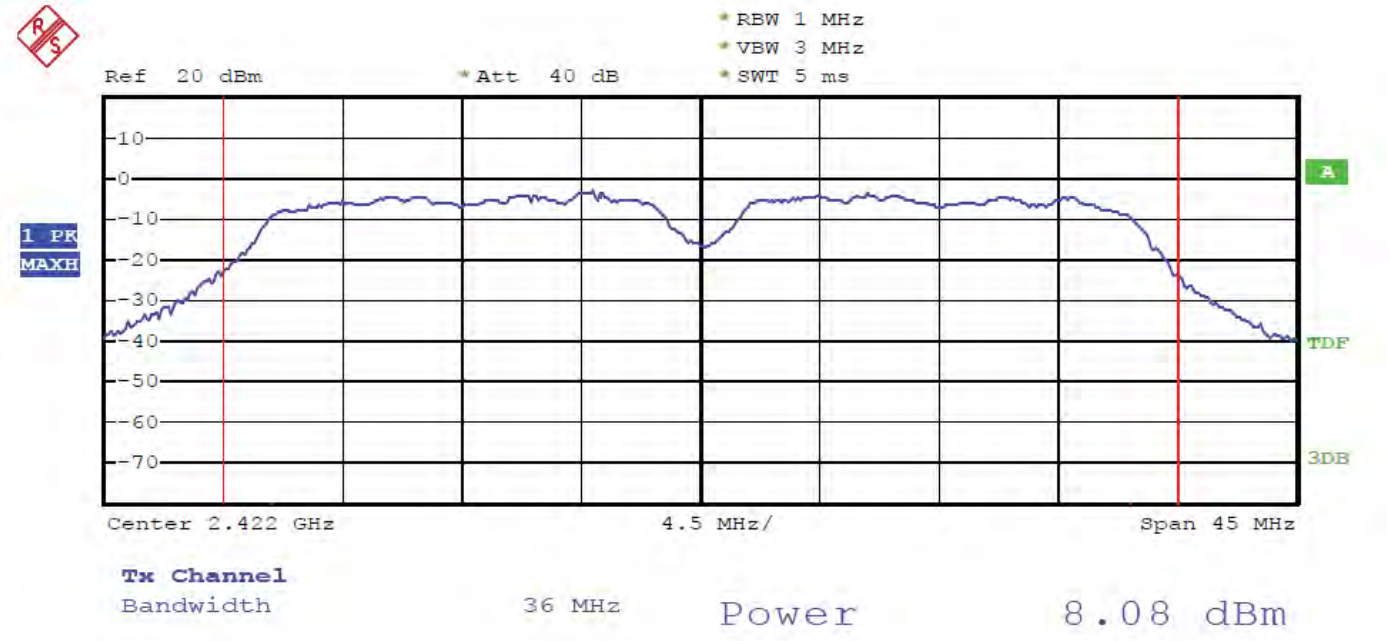
802.11n Channel Middle 2437MHz (20MHz)



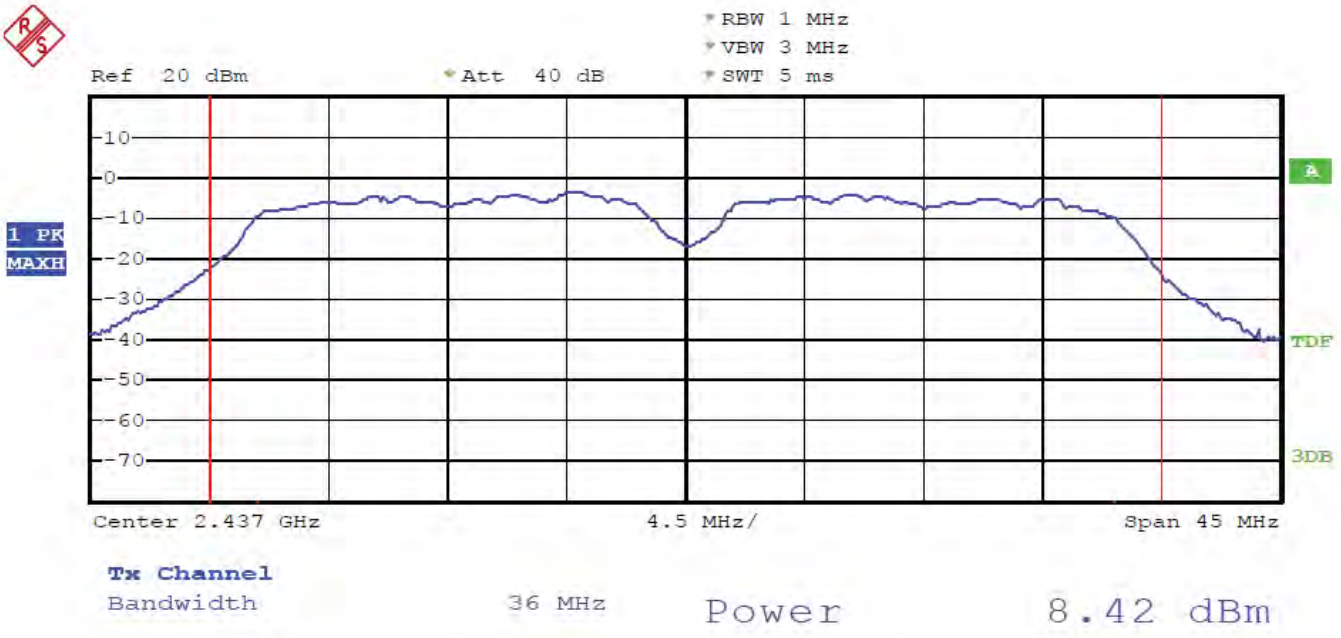
802.11n Channel High 2462MHz (20MHz)



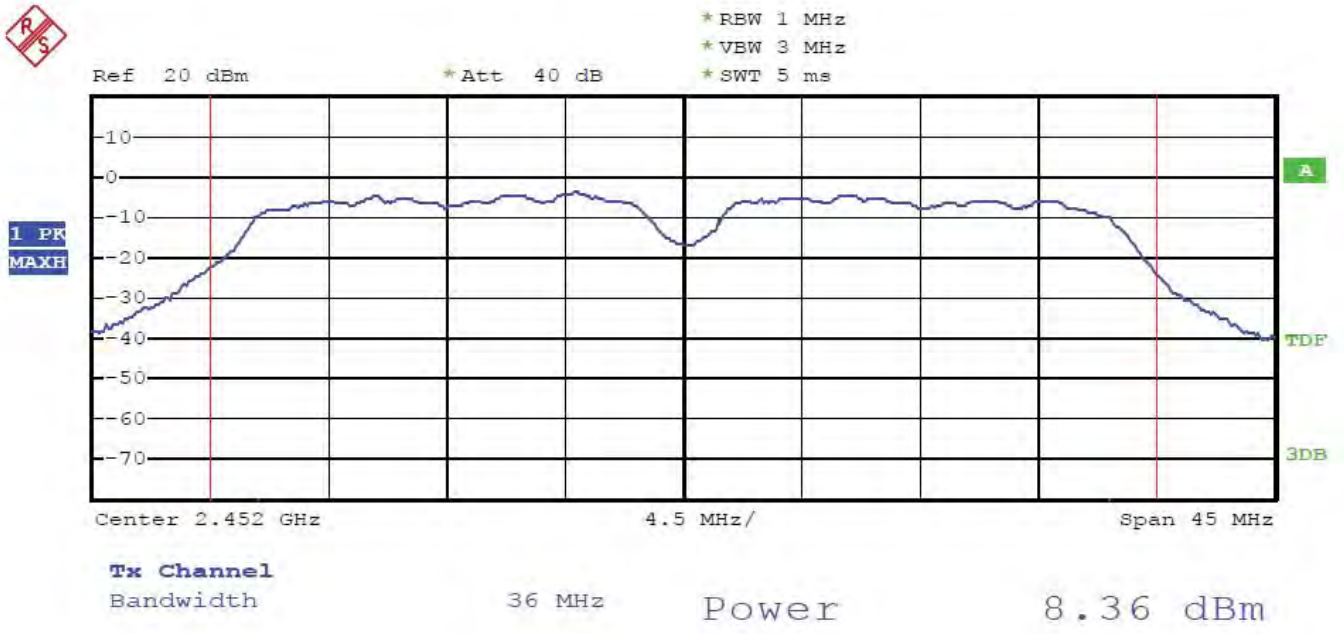
802.11n Channel Low 2422MHz (40MHz)



802.11n Channel Middle 2437MHz (40MHz)

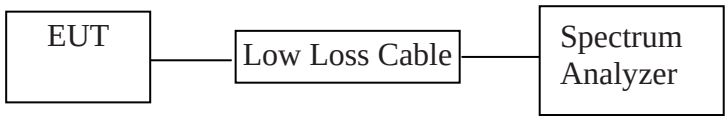


802.11n Channel High 2452MHz (40MHz)



7. POWER SPECTRAL DENSITY MEASUREMENT

7.1.Block Diagram of Test Setup



(EUT: HANNSpad)

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.HANNSpad (EUT)

Model Number	:	HSG1248
Serial Number	:	N/A
Manufacturer	:	Hannspree Inc.

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 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz 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:	May 11, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-12.12	8 dBm
Middle	2437	-13.32	8 dBm
High	2462	-18.95	8 dBm

The test was performed with 802.11g

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-26.24	8 dBm
Middle	2437	-25.91	8 dBm
High	2462	-26.78	8 dBm

The test was performed with 802.11n (20MHz)

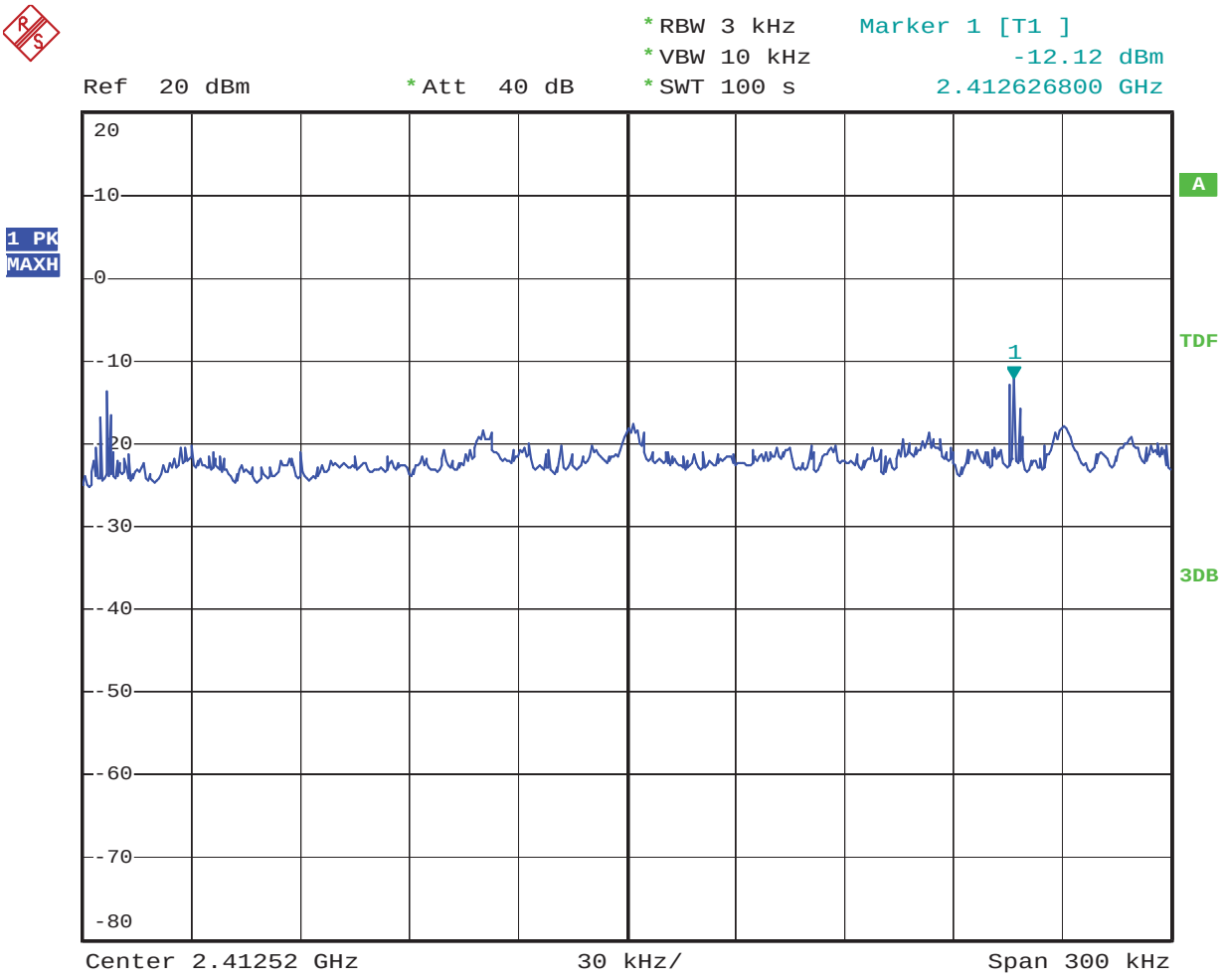
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-27.20	8 dBm
Middle	2437	-26.93	8 dBm
High	2462	-27.46	8 dBm

The test was performed with 802.11n (40MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2422	-30.46	8 dBm
Middle	2437	-28.52	8 dBm
High	2452	-29.54	8 dBm

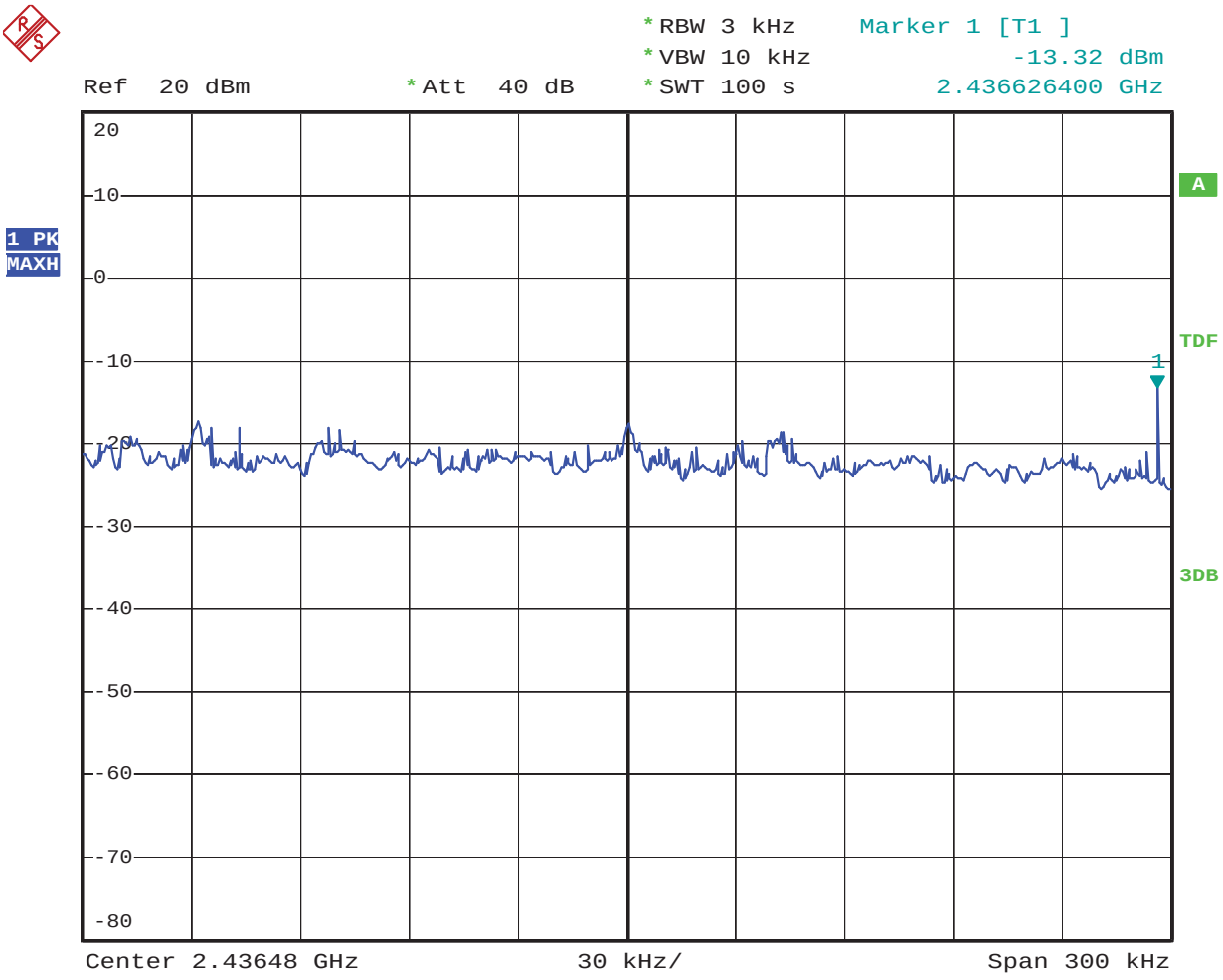
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



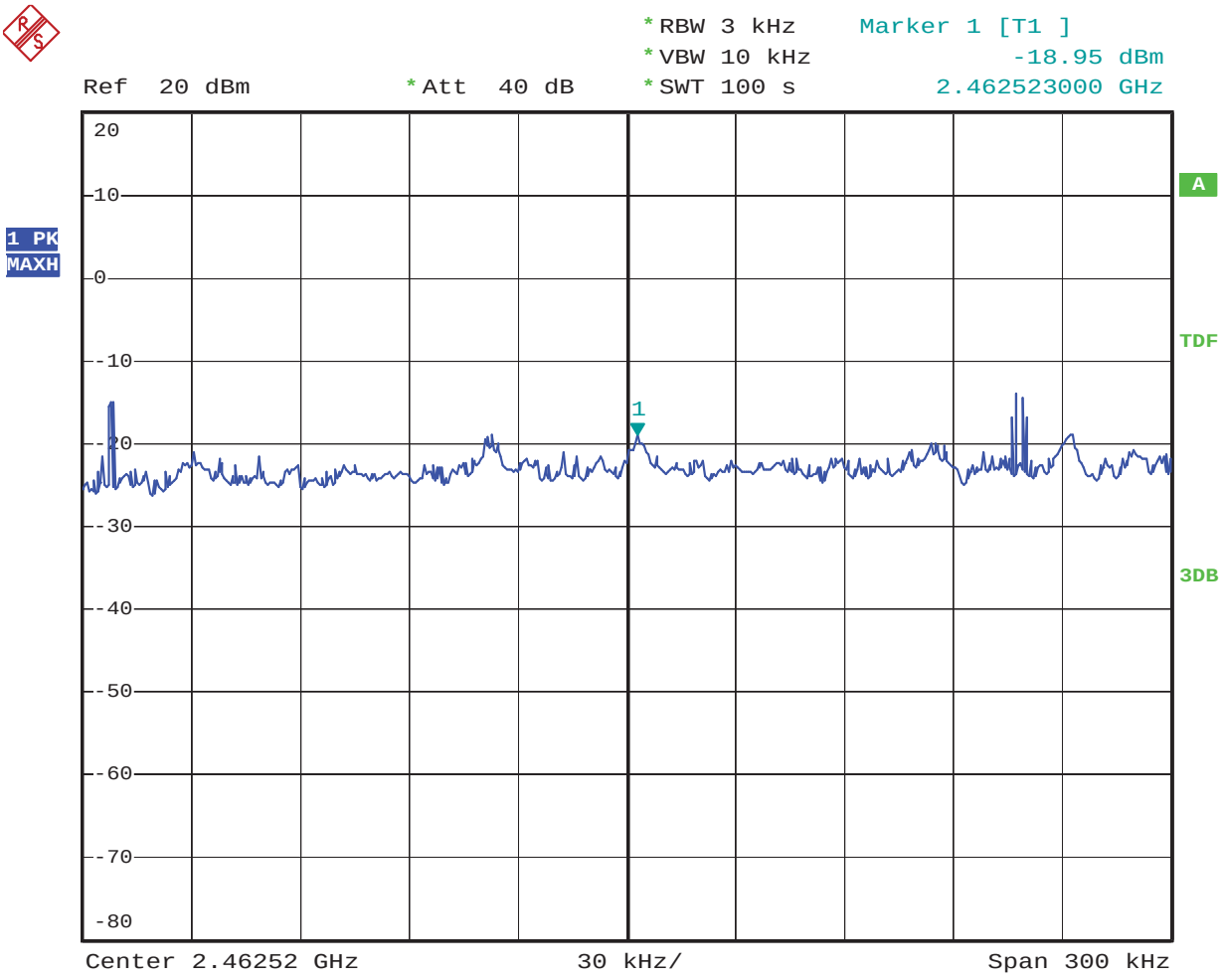
Date: 11.MAY.2012 18:25:29

802.11b Channel Middle 2437MHz



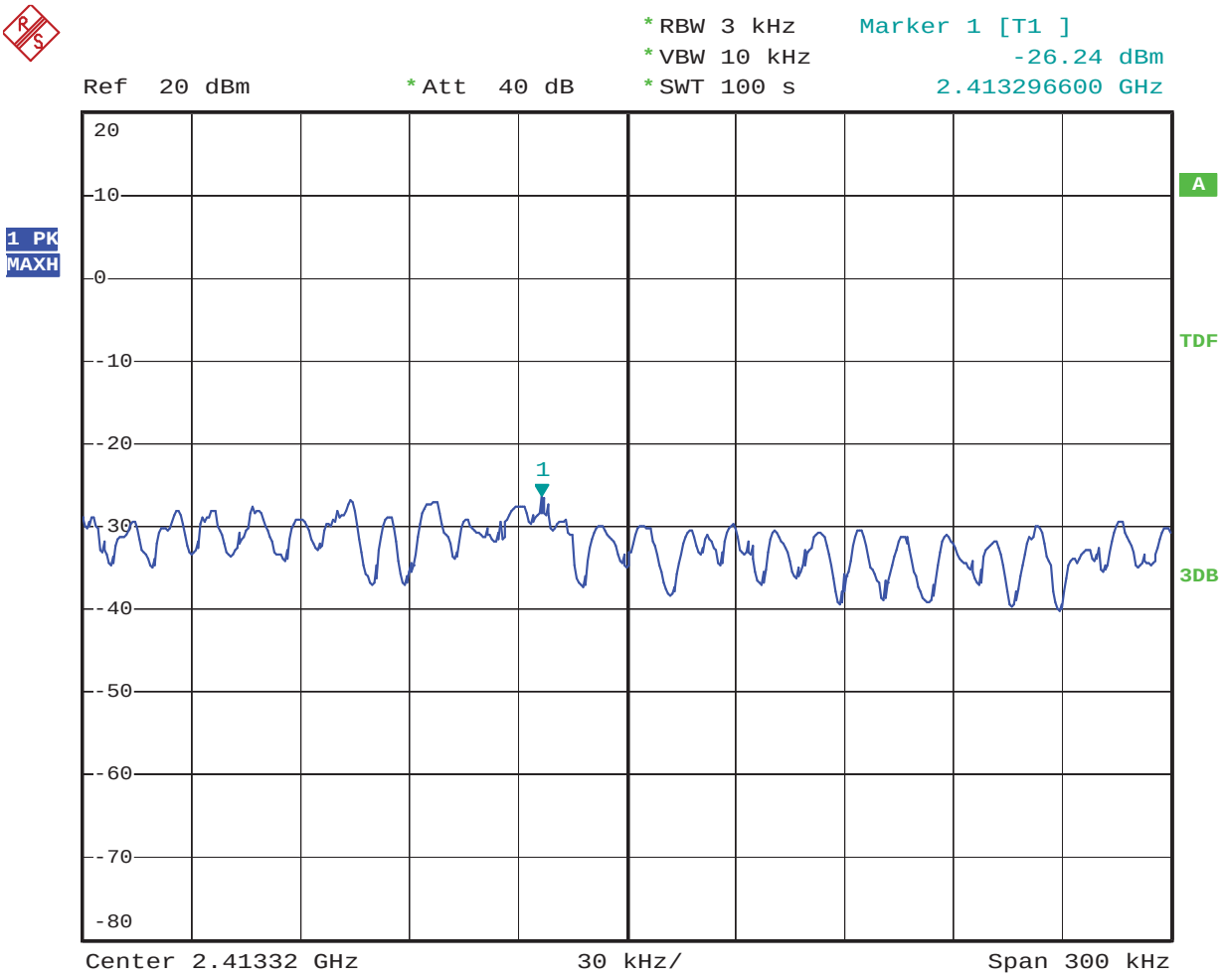
Date: 11.MAY.2012 18:33:56

802.11b Channel High 2462MHz



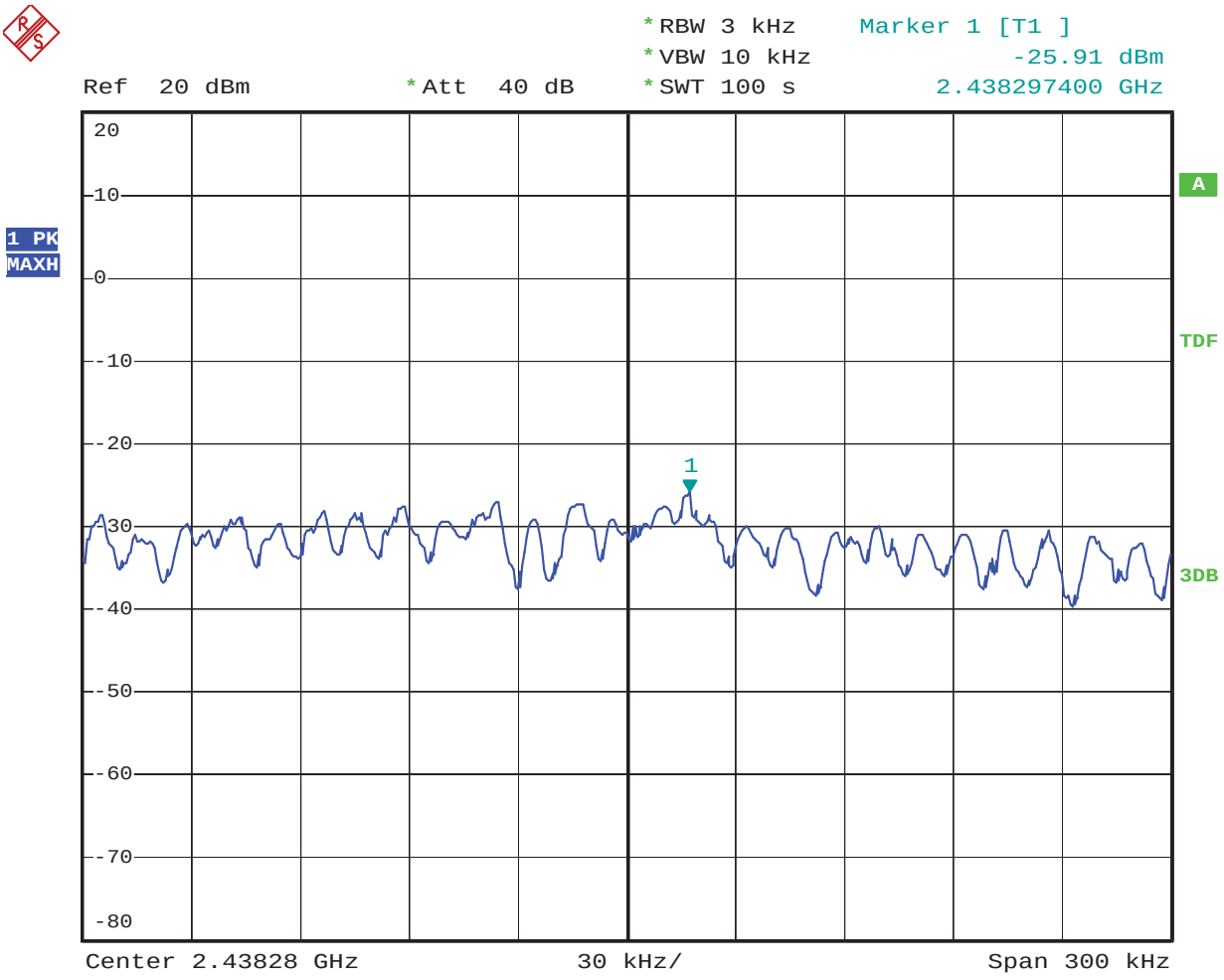
Date: 11.MAY.2012 18:46:50

802.11g Channel Low 2412MHz



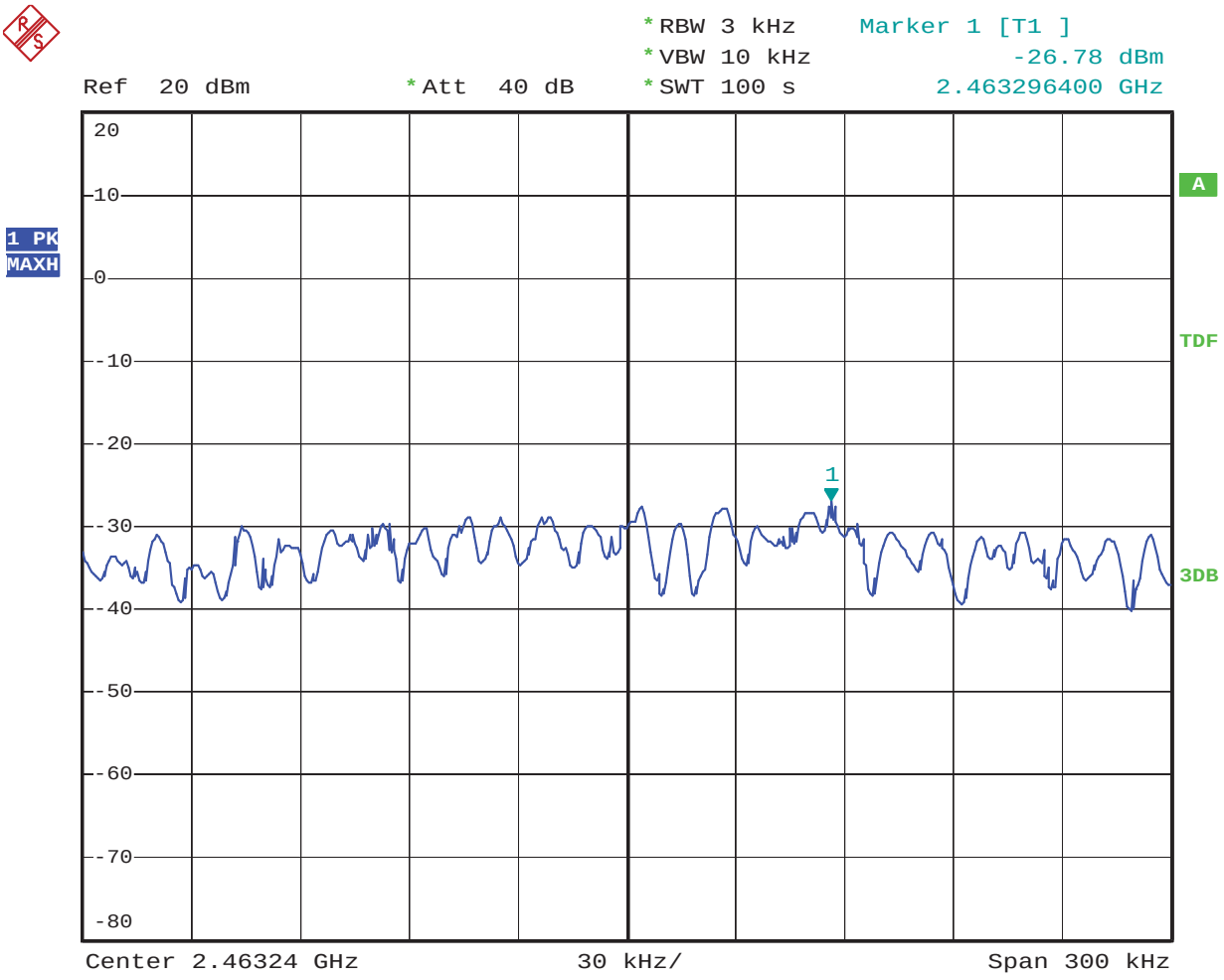
Date: 11.MAY.2012 18:58:02

802.11g Channel Middle 2437MHz



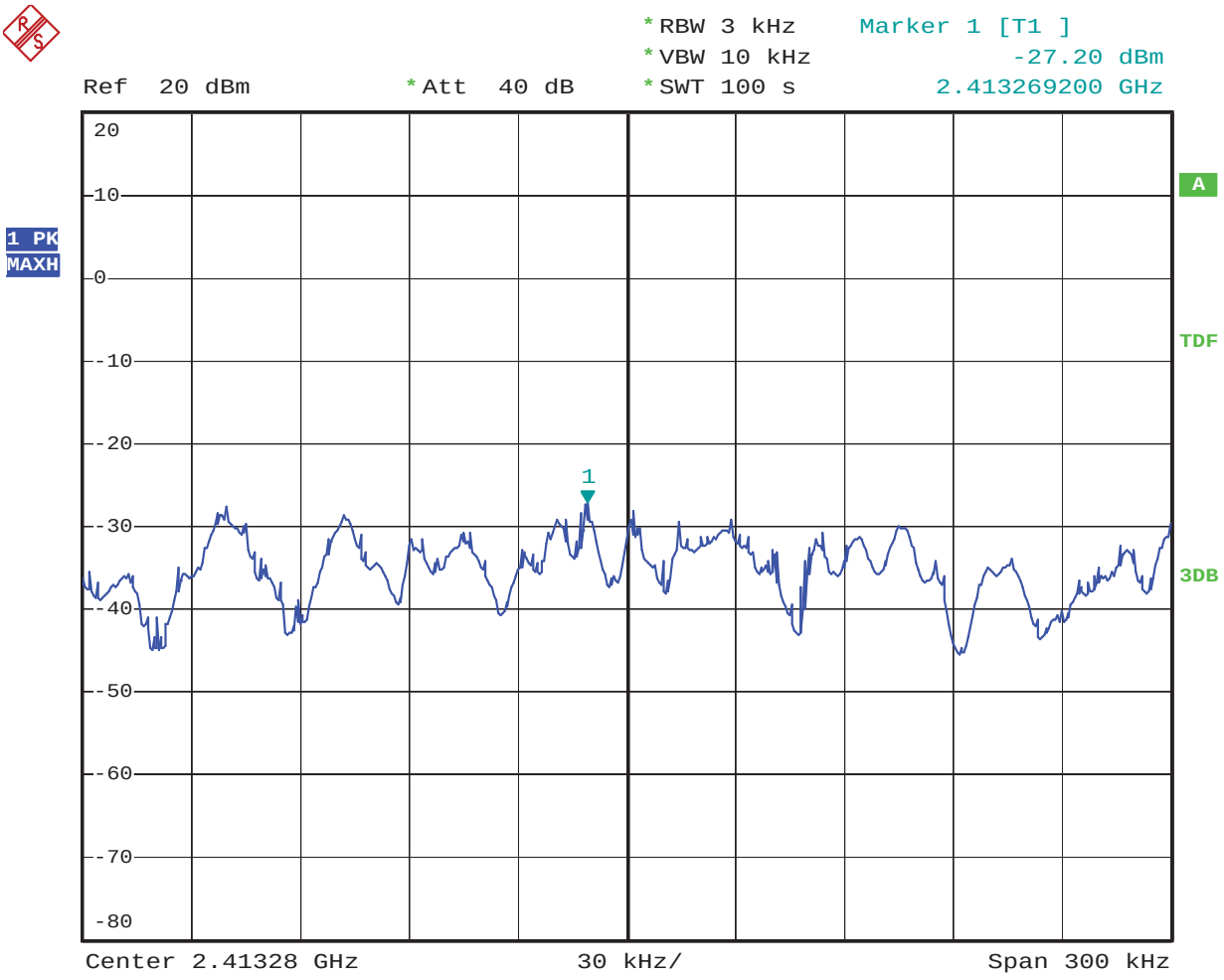
Date: 11.MAY.2012 19:13:26

802.11g Channel High 2462MHz



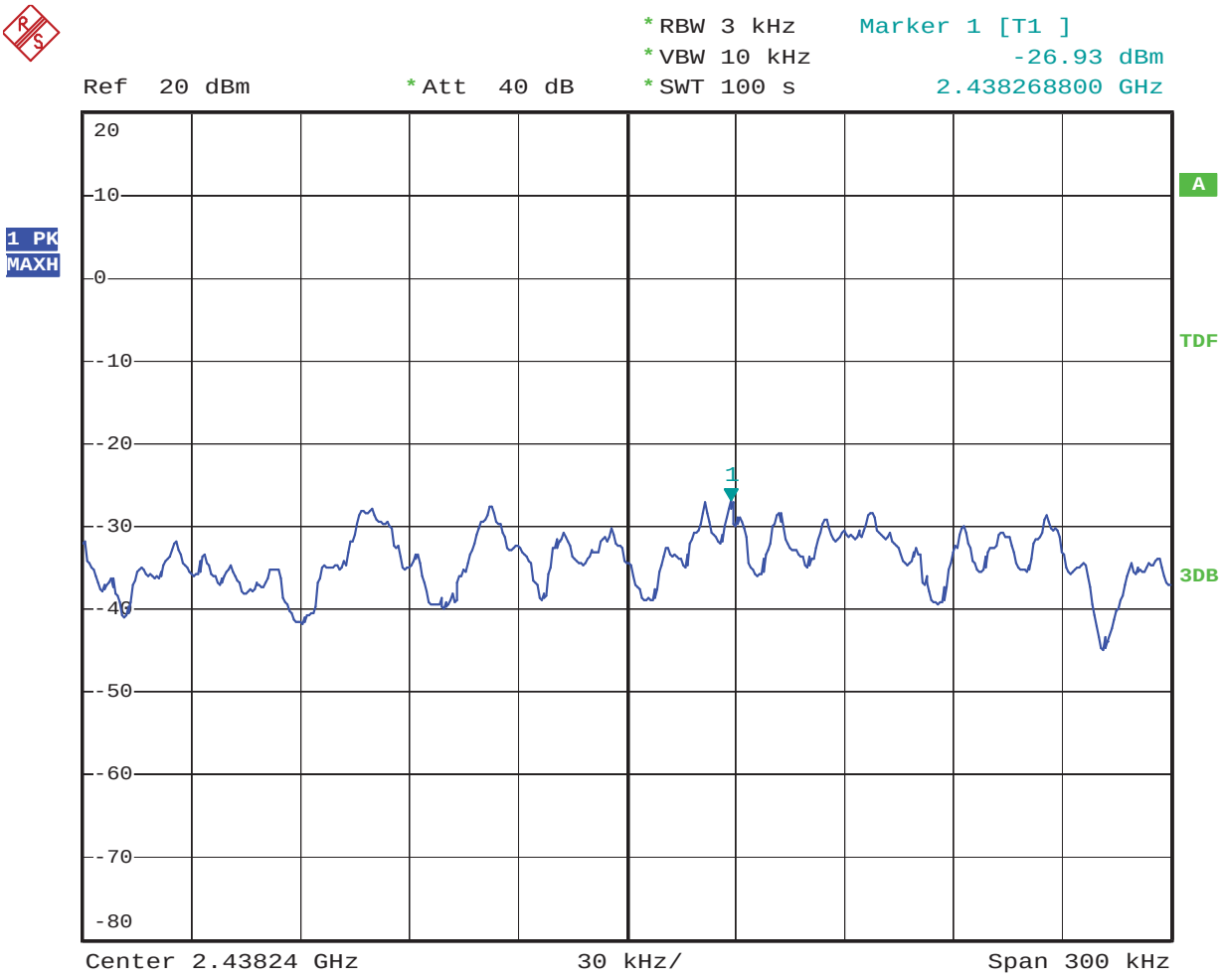
Date: 11.MAY.2012 19:20:28

802.11n Channel Low 2412MHz (20MHz)



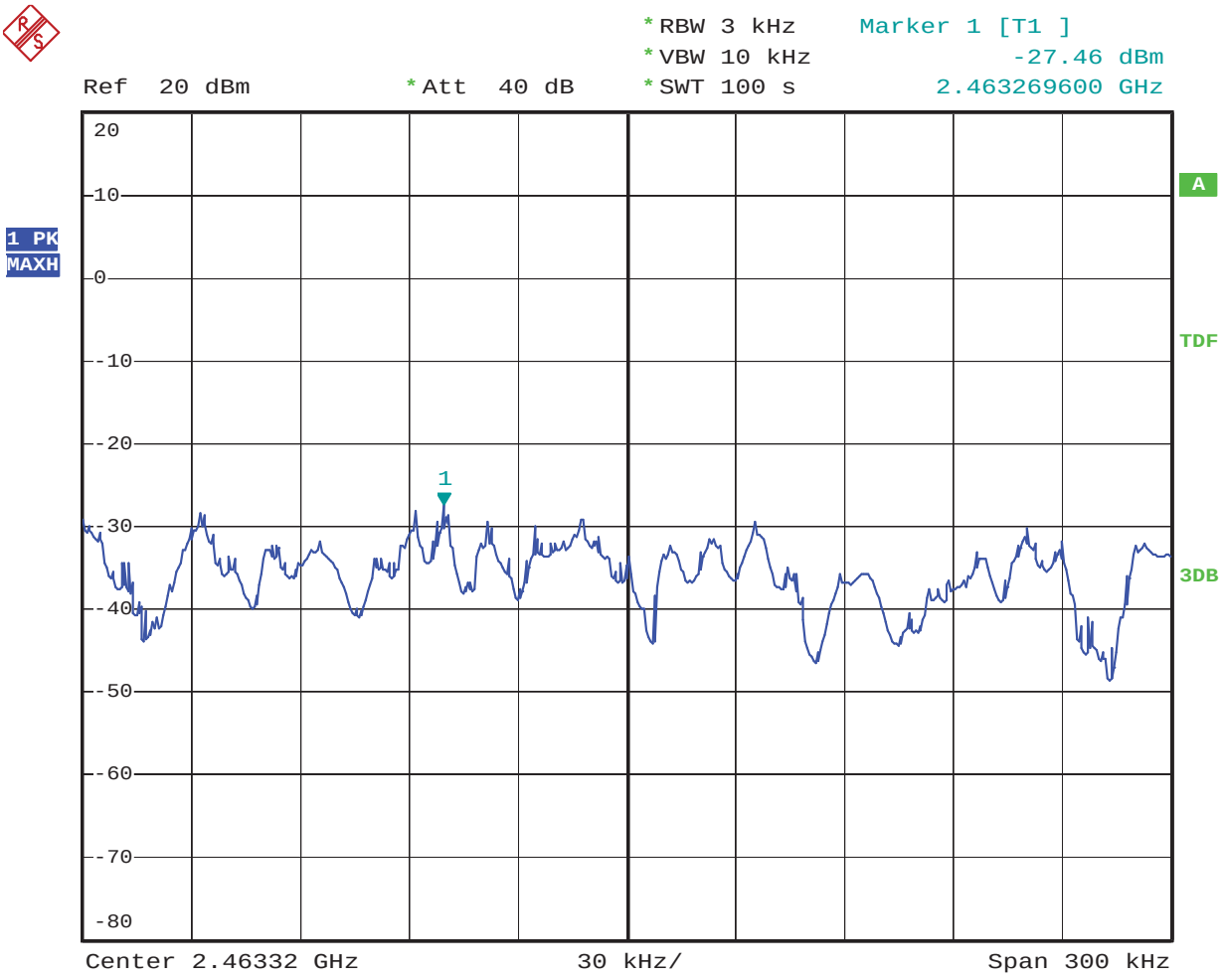
Date: 11.MAY.2012 19:30:37

802.11n Channel Middle 2437MHz (20MHz)



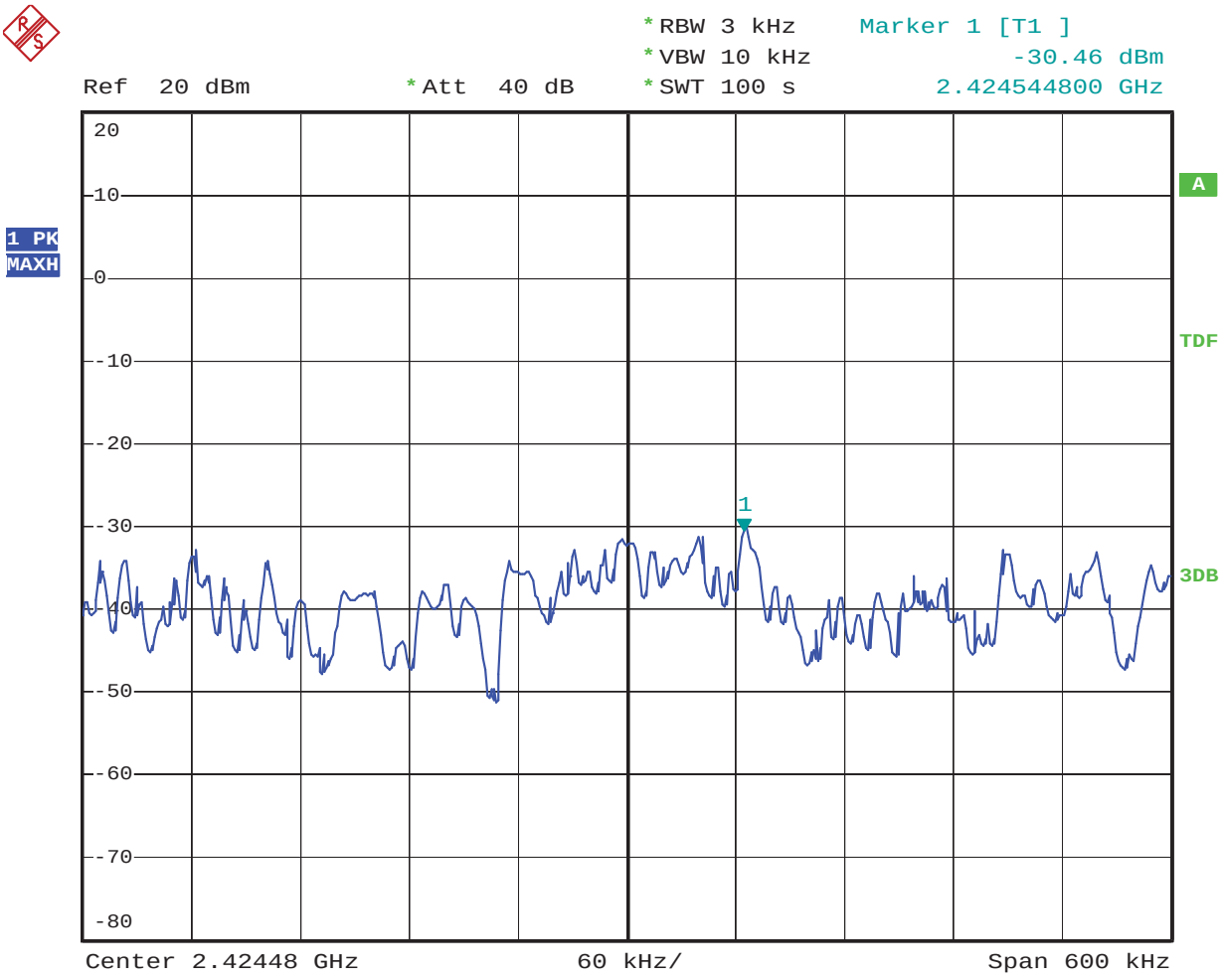
Date: 11.MAY.2012 19:46:02

802.11n Channel High 2462MHz(20MHz)



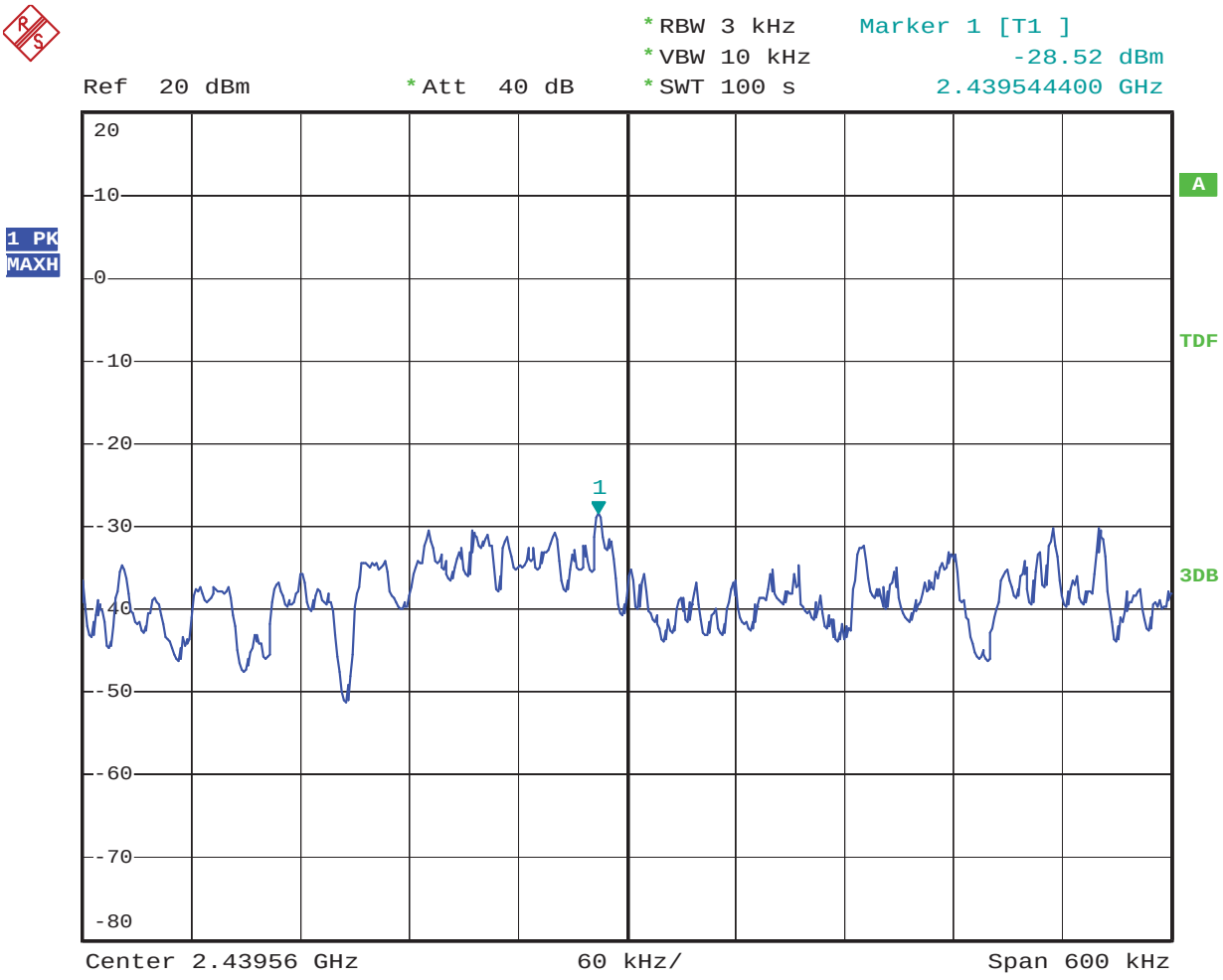
Date: 11.MAY.2012 19:54:33

802.11n Channel Low 2422MHz (40MHz)



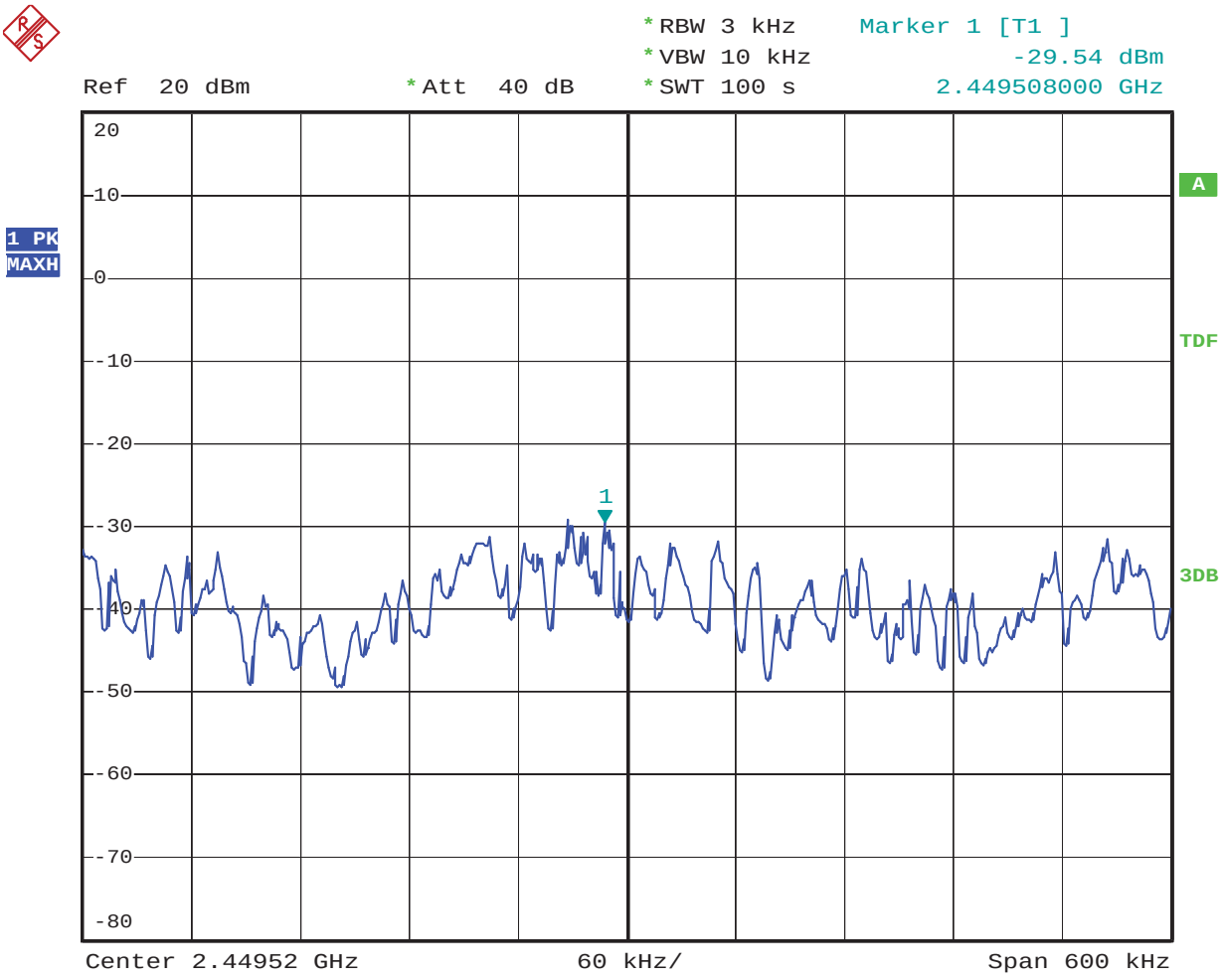
Date: 11.MAY.2012 20:11:49

802.11n Channel Middle 2437MHz(40MHz)



Date: 11.MAY.2012 20:20:36

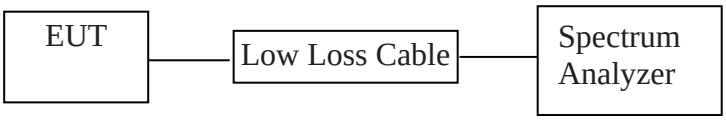
802.11n Channel High 2452MHz(40MHz)



Date: 11.MAY.2012 20:29:33

8. BAND EDGE COMPLIANCE TEST

8.1.Block Diagram of Test Setup



(EUT: HANNSpad)

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.HANNSpad (EUT)

Model Number	:	HSG1248
Serial Number	:	N/A
Manufacturer	:	Hannspree Inc.

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 2412-2462 and 2422-2452MHz MHz. We select 2412MHz, 2462MHz and 2422MHz, 2452MHz TX frequency to transmit.

8.5.Test Procedure

Conducted Band Edge:

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

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

Radiate Band Edge:

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

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

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

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

RBW=1MHz, VBW=1MHz

8.5.7.The band edges was measured and recorded.

8.6.Test Result

Pass

Conducted test

Date of Test:	May 11, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	38.48	> 20dBc
2462	41.95	> 20dBc

The test was performed with 802.11g

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	37.79	> 20dBc
2462	37.27	> 20dBc

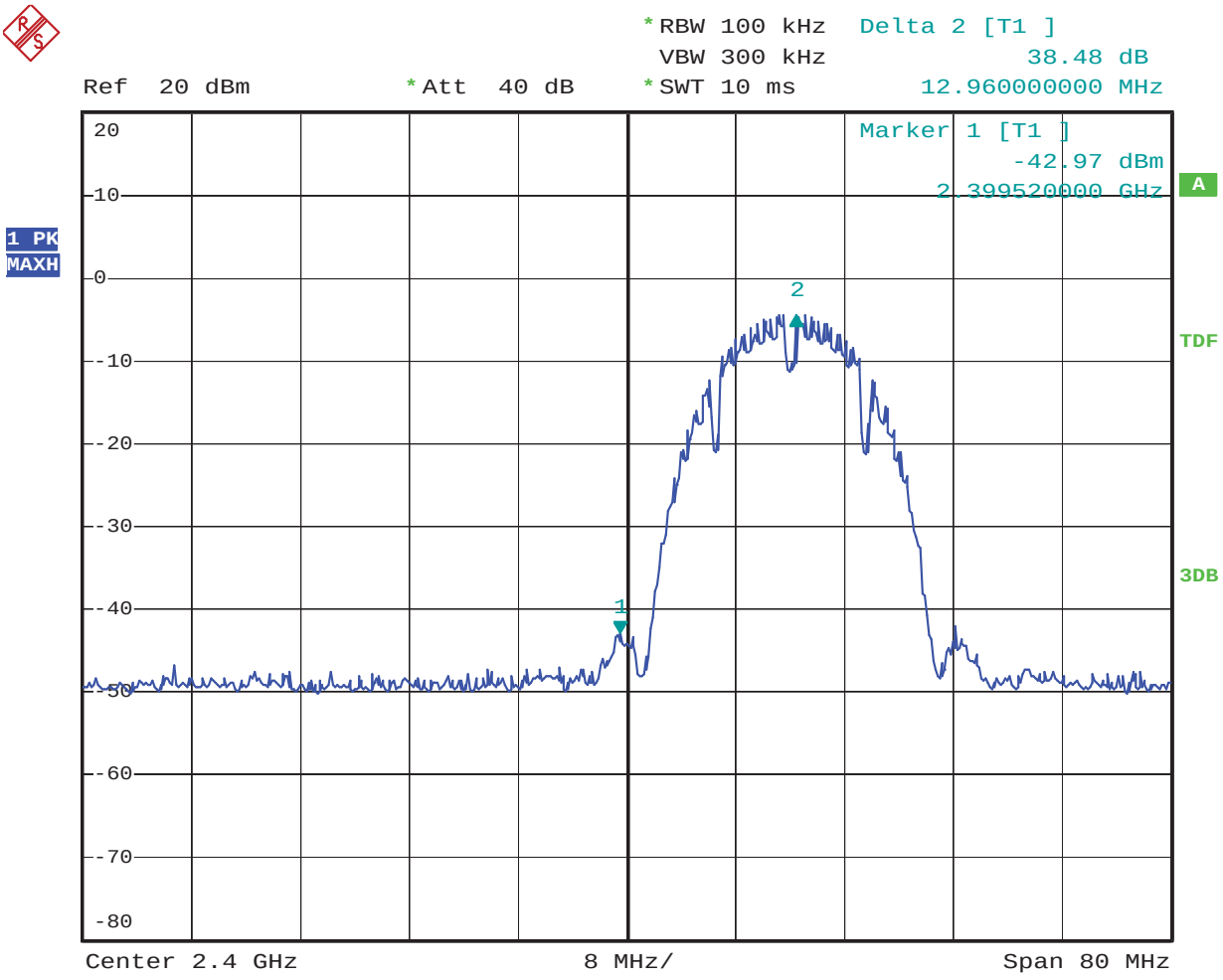
The test was performed with 802.11n (20MHz)

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	33.84	> 20dBc
2462	37.08	> 20dBc

The test was performed with 802.11n (40MHz)

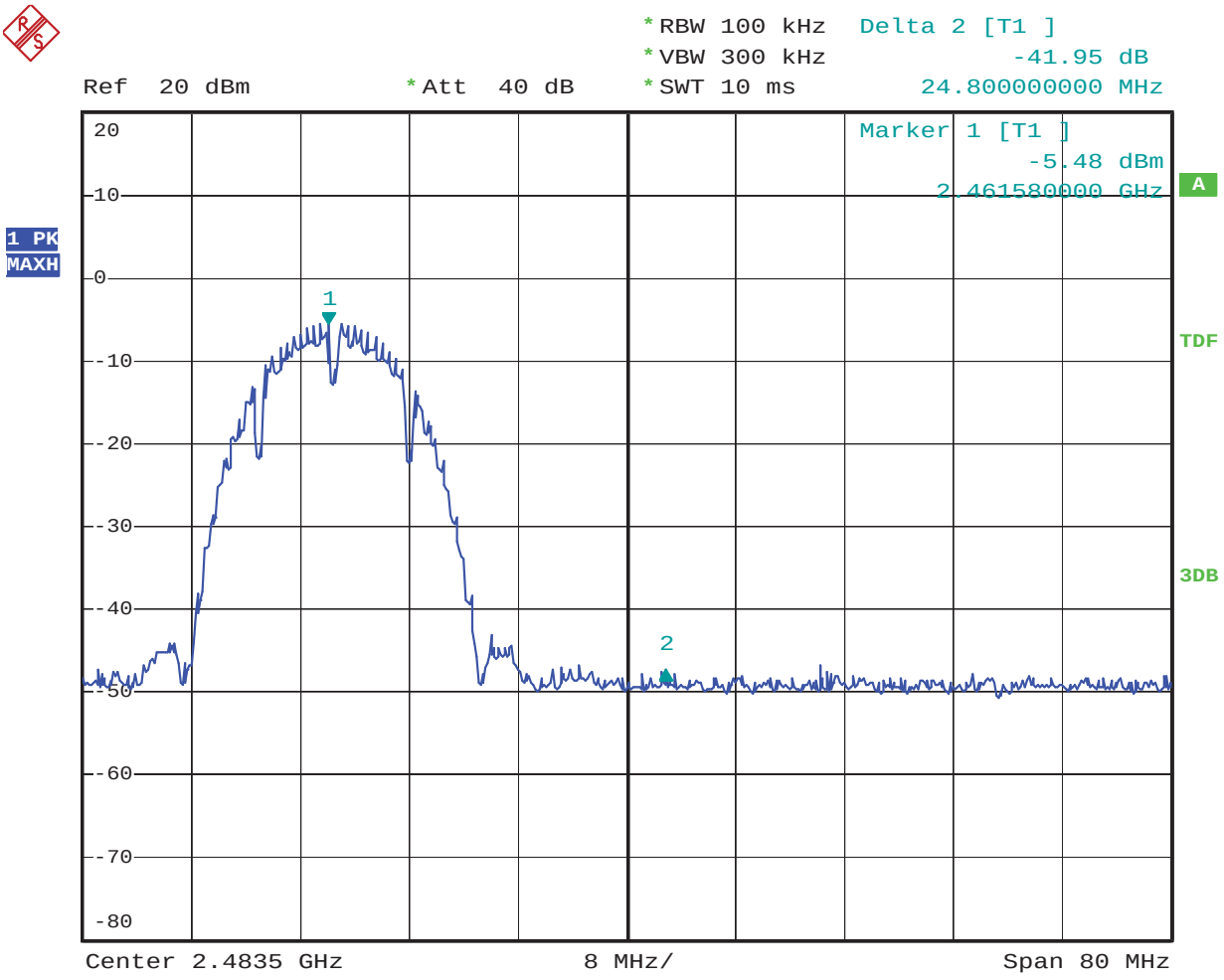
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2422	33.83	> 20dBc
2452	35.12	> 20dBc

802.11b Channel Low 2412MHz



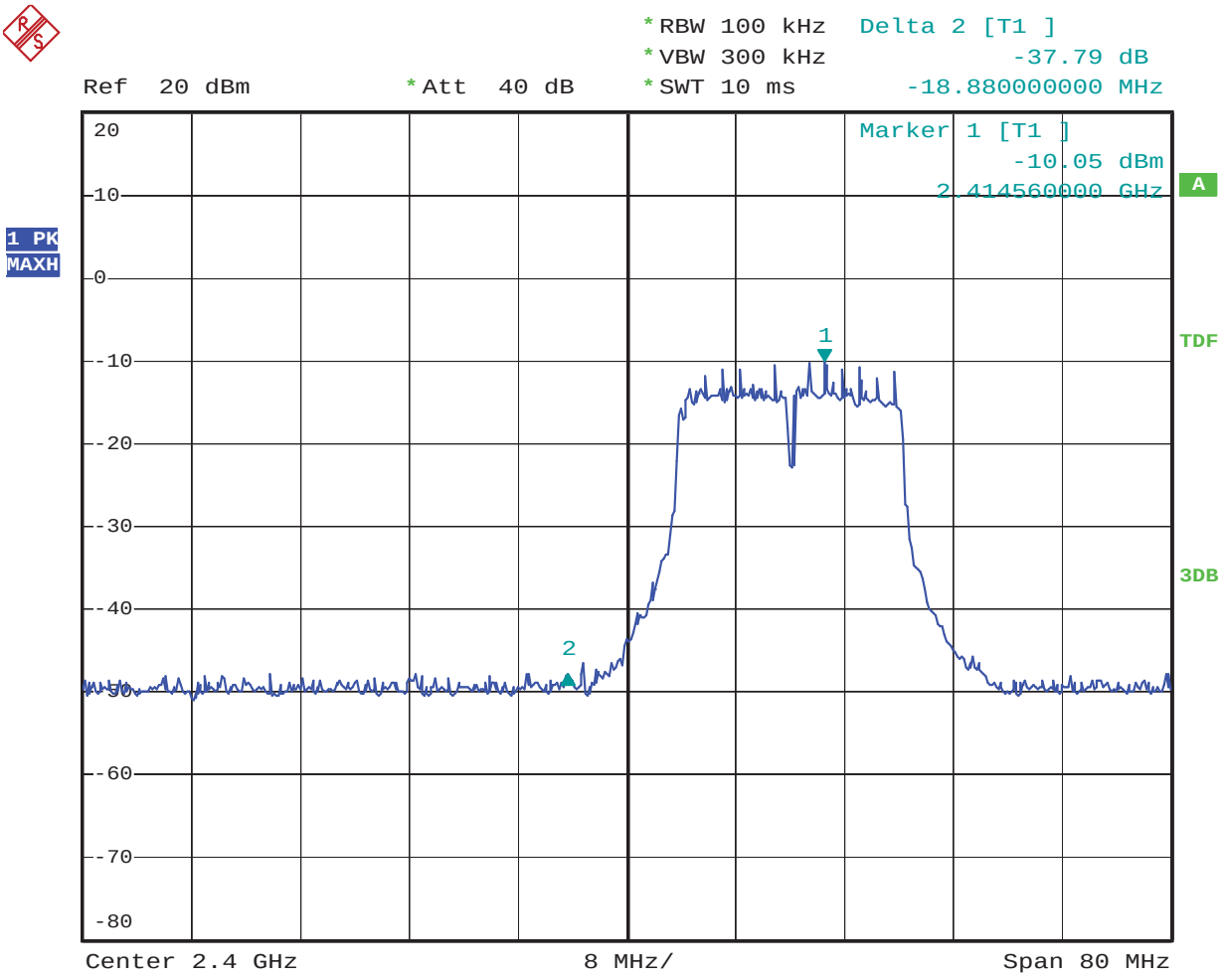
Date: 11.MAY.2012 18:20:56

802.11b Channel High 2462MHz



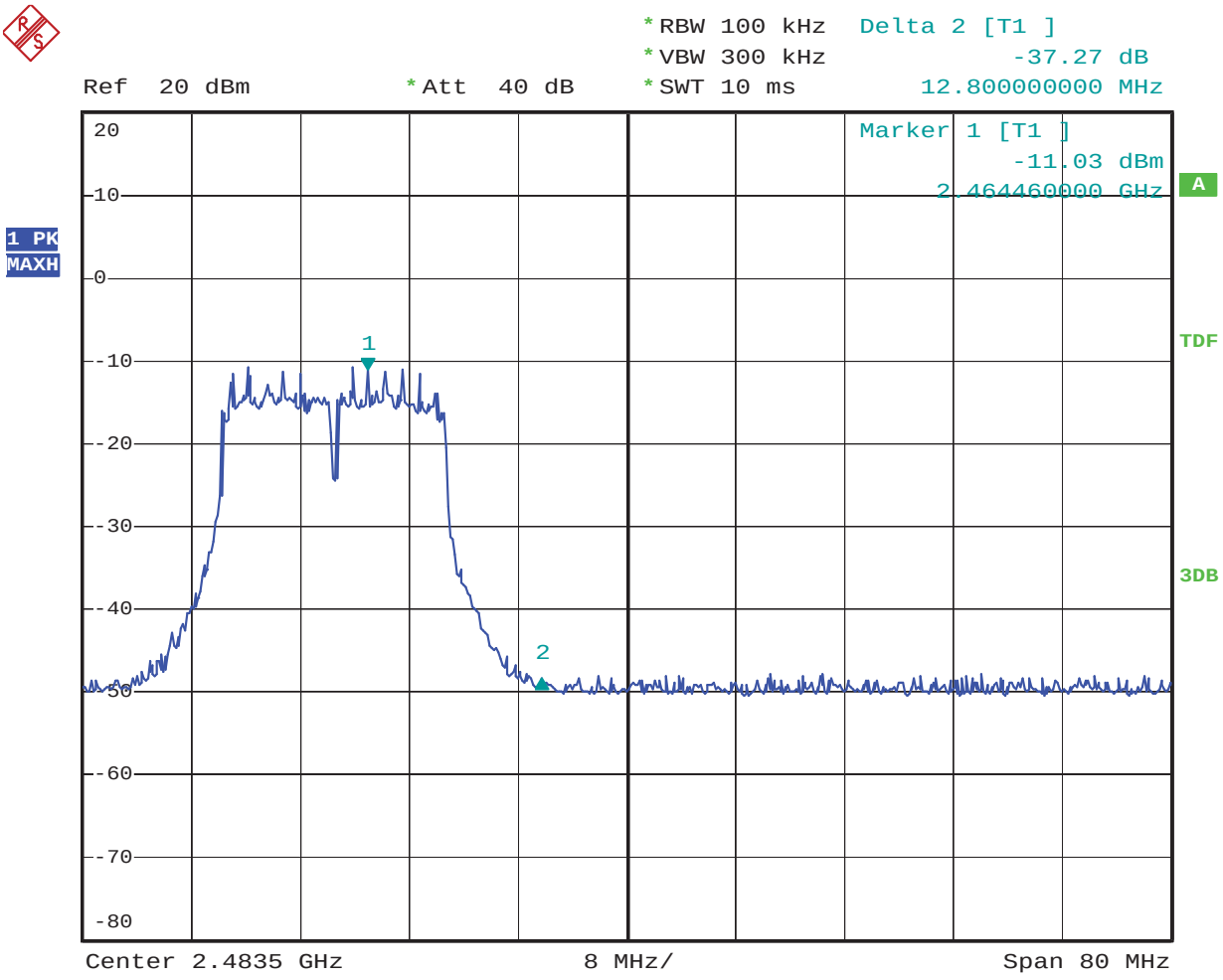
Date: 11.MAY.2012 18:37:59

802.11g Channel Low 2412MHz



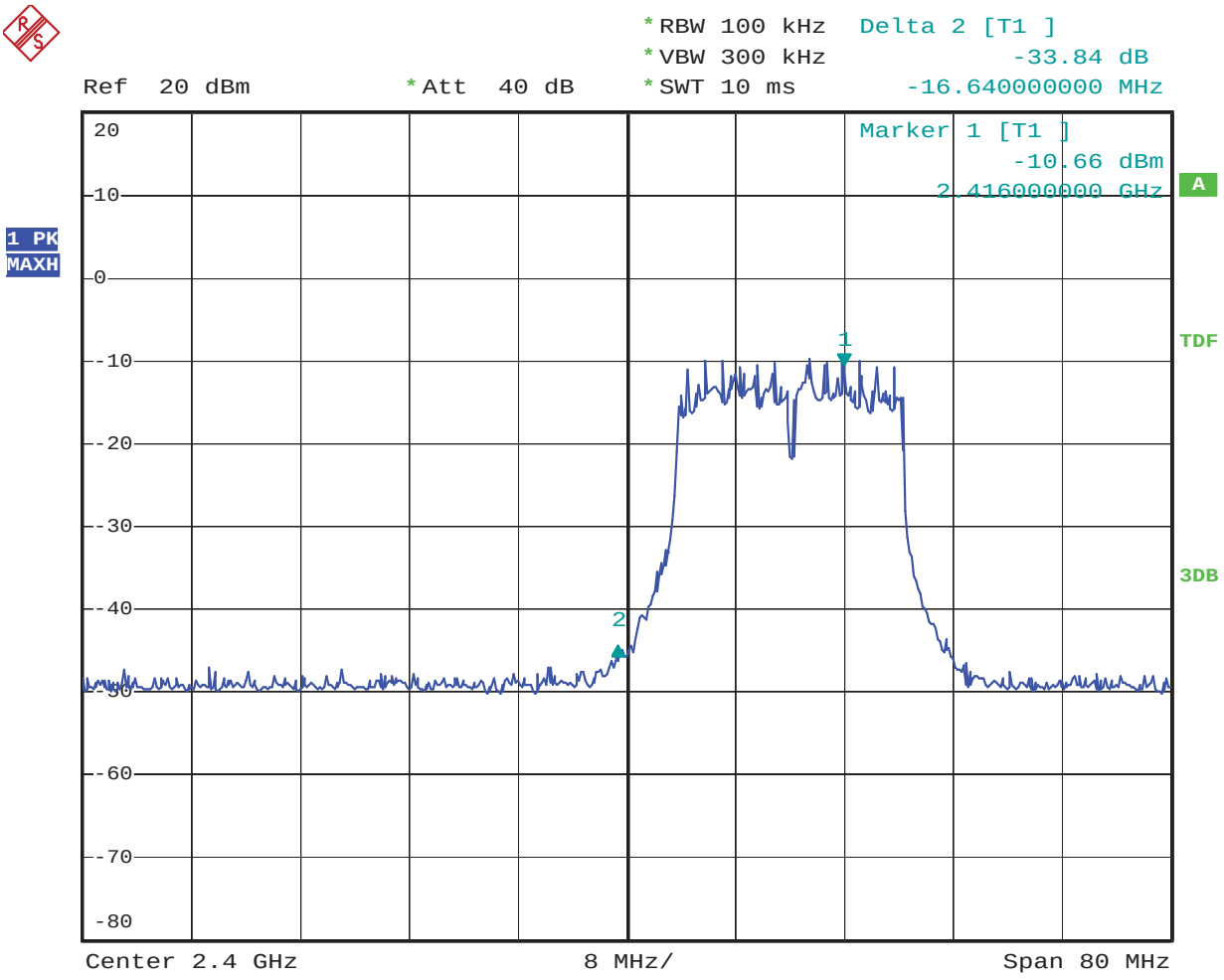
Date: 11.MAY.2012 18:52:59

802.11g Channel High 2462MHz



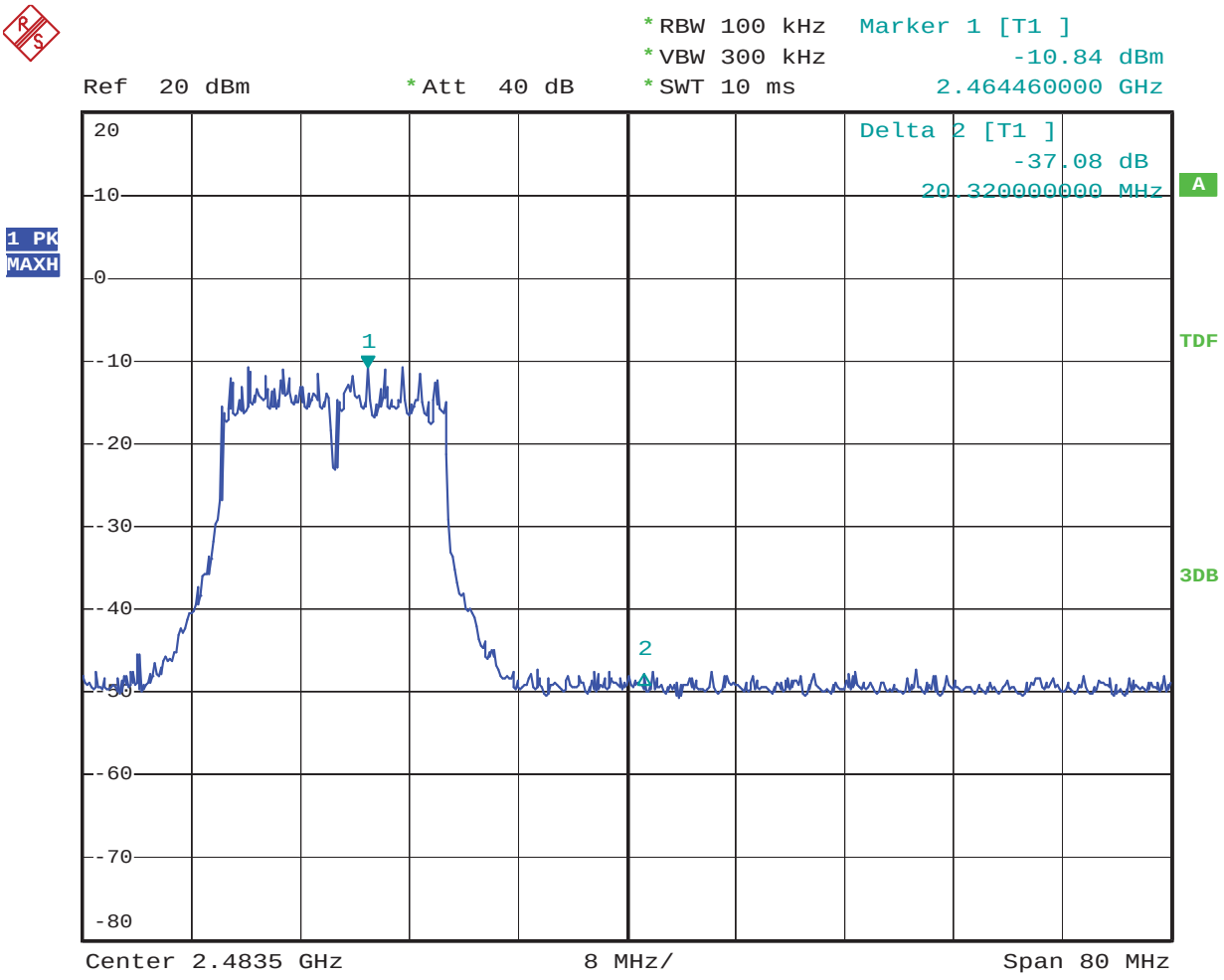
Date: 11.MAY.2012 19:32:14

802.11n Channel Low 2412MHz (20MHz)



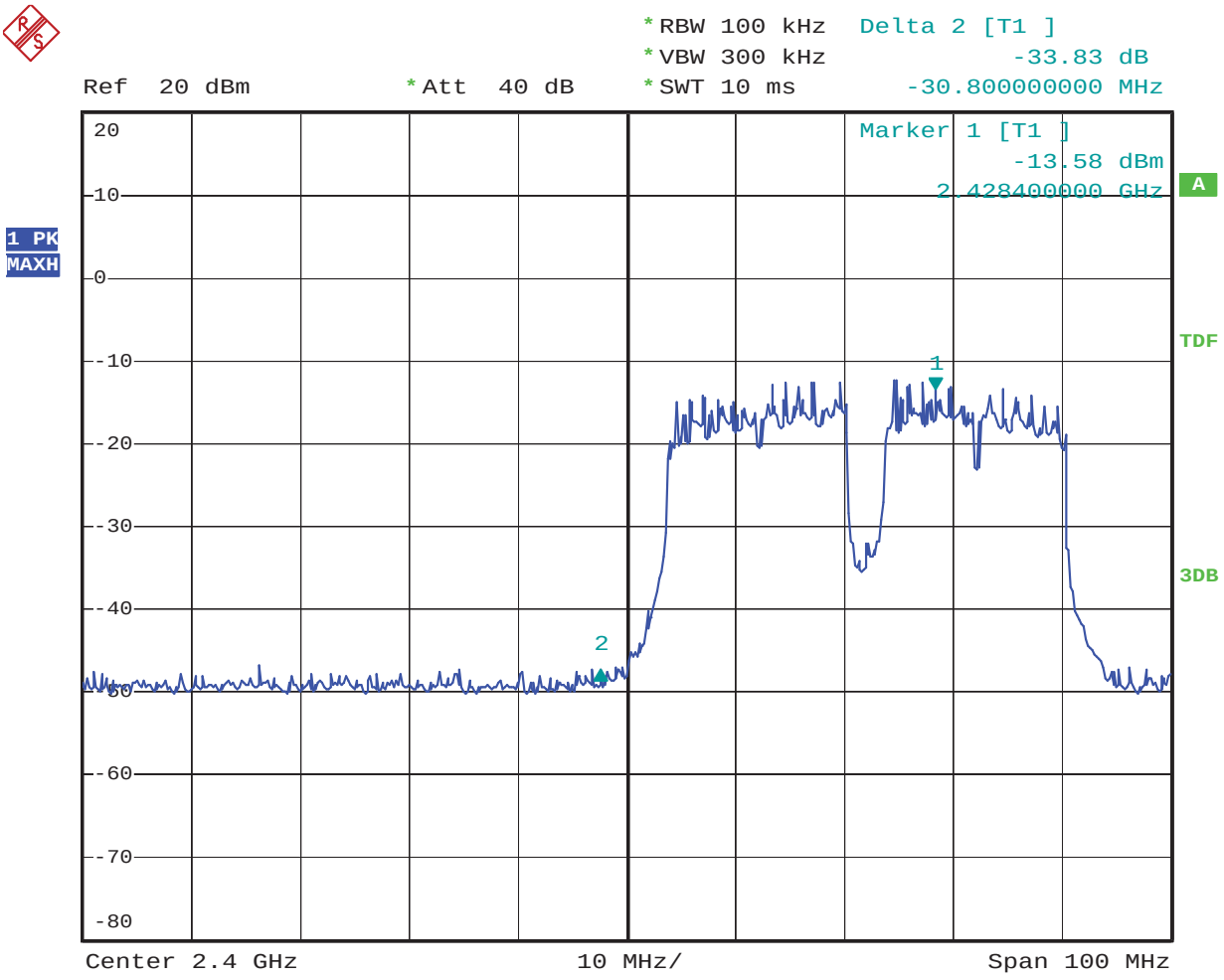
Date: 11.MAY.2012 19:26:41

802.11n Channel High 2462MHz (20MHz)



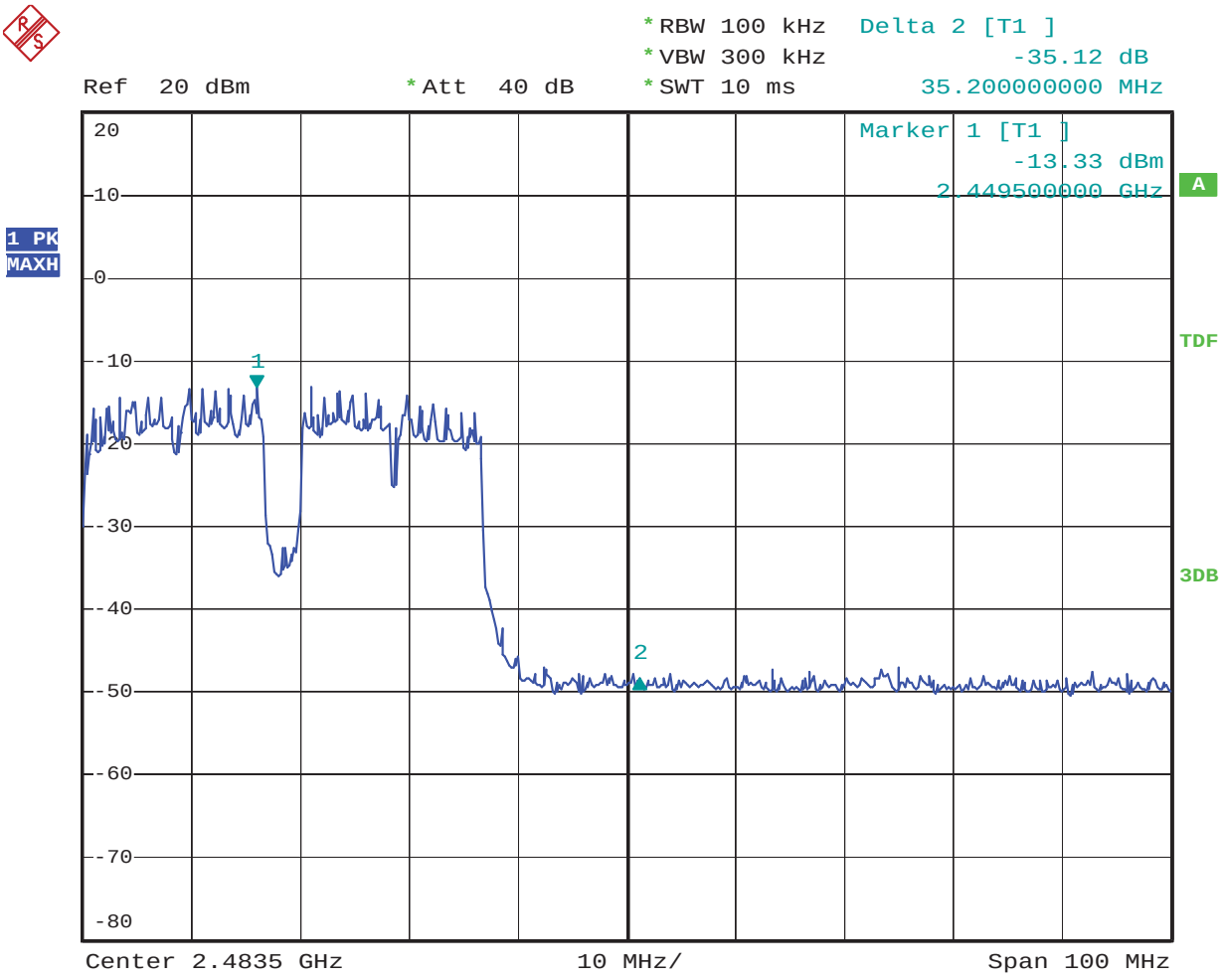
Date: 11.MAY.2012 19:49:44

802.11n Channel Low 2422MHz (40MHz)



Date: 11.MAY.2012 20:07:33

802.11n Channel High 2452MHz (40MHz)



Date: 11.MAY.2012 20:25:37

Radiated Band Edge Result

Date of Test:	May 10, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Pei

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	41.99	47.06	-7.81	34.18	39.25	54	74	-19.82	-34.75	Vertical
2332.164	42.19	47.56	-7.81	34.38	39.75	54	74	-19.62	-34.25	Vertical
2390.000	42.78	47.44	-7.53	35.25	39.91	54	74	-18.75	-34.09	Vertical
2310.000	40.15	45.98	-7.81	32.34	38.17	54	74	-21.66	-35.83	Horizontal
2332.136	41.68	46.94	-7.81	33.87	39.13	54	74	-20.13	-34.87	Horizontal
2390.000	43.18	48.39	-7.53	35.65	40.86	54	74	-18.35	-33.14	Horizontal

Note:

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

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

Date of Test:	May 7, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Pei

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	41.98	46.08	-7.37	34.61	38.71	54	74	-19.39	-35.29	Vertical
2487.904	41.55	46.39	-7.38	34.17	39.01	54	74	-19.83	-34.99	Vertical
2500.000	42.17	47.50	-7.40	34.77	40.10	54	74	-19.23	-33.90	Vertical
2483.500	42.57	47.22	-7.37	35.20	39.85	54	74	-18.80	-34.15	Horizontal
2487.904	41.58	46.28	-7.38	34.20	38.90	54	74	-19.80	-35.10	Horizontal
2500.000	42.22	47.08	-7.40	34.82	39.68	54	74	-19.18	-34.32	Horizontal

Note:

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

Date of Test:	May 7, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Pei

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	42.17	47.01	-7.81	34.36	39.20	54	74	-19.64	-34.80	Vertical
2332.170	43.57	47.74	-7.81	35.76	39.93	54	74	-18.24	-34.07	Vertical
2390.000	42.39	47.44	-7.53	34.86	39.91	54	74	-19.14	-34.09	Vertical
2310.000	41.57	46.74	-7.81	33.76	38.93	54	74	-20.24	-35.07	Horizontal
2332.170	42.58	46.08	-7.81	34.77	38.26	54	74	-19.23	-35.74	Horizontal
2390.000	40.17	45.66	-7.53	32.64	38.13	54	74	-21.36	-35.87	Horizontal

Note:

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

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

Date of Test:	May 7, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	41.68	46.01	-7.37	34.31	38.64	54	74	-19.69	-35.36	Vertical
2487.680	40.58	46.20	-7.38	33.20	38.82	54	74	-20.80	-35.18	Vertical
2500.000	43.58	48.25	-7.40	36.18	40.85	54	74	-17.82	-33.15	Vertical
2483.450	41.47	46.32	-7.37	34.10	38.95	54	74	-19.90	-35.05	Horizontal
2487.910	42.17	47.13	-7.38	34.79	39.75	54	74	-19.21	-34.25	Horizontal
2500.000	41.18	46.34	-7.40	33.78	38.94	54	74	-20.22	-35.06	Horizontal

Note:

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

Date of Test:	May 7, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11n Channel Low 2412MHz (20MHz)	Test Engineer:	Pei

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	43.27	48.21	-7.81	35.46	40.40	54	74	-18.54	-33.60	Vertical
2332.170	42.16	47.33	-7.81	34.35	39.50	54	74	-19.65	-34.48	Vertical
2390.000	43.24	48.50	-7.53	35.71	40.97	54	74	-18.29	-33.03	Vertical
2310.000	42.55	46.72	-7.81	34.74	38.91	54	74	-19.26	-35.09	Horizontal
2332.000	41.58	46.88	-7.81	33.77	39.07	54	74	-20.23	-34.93	Horizontal
2390.000	41.89	46.72	-7.53	34.36	39.19	54	74	-19.64	-34.81	Horizontal

Note:

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

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

Date of Test:	May 7, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11n Channel High 2462MHz (20MHz)	Test Engineer:	Pei

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2483.650	41.47	46.88	-7.37	34.10	39.51	54	74	-19.90	-34.49	Vertical
2487.940	42.58	46.64	-7.38	35.20	39.26	54	74	-18.80	-34.74	Vertical
2500.000	43.55	49.06	-7.40	36.15	41.66	54	74	-17.85	-32.34	Vertical
2483.500	42.68	46.42	-7.37	35.31	39.05	54	74	-18.69	-34.95	Horizontal
2487.940	42.15	46.66	-7.38	34.77	39.28	54	74	-19.23	-34.72	Horizontal
2500.000	41.58	46.34	-7.40	34.18	38.94	54	74	-19.82	-35.06	Horizontal

Note:

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

Date of Test:	May 7, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11n Channel Low 2422MHz (40MHz)	Test Engineer:	Pei

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	43.58	48.20	-7.81	35.77	40.39	54	74	-18.23	-33.61	Vertical
2332.140	41.58	46.85	-7.81	33.77	39.04	54	74	-20.23	-34.96	Vertical
2390.240	44.68	49.54	-7.53	37.15	42.10	54	74	-16.85	-31.99	Vertical
2310.000	42.17	48.12	-7.81	34.36	40.31	54	74	-19.64	-33.69	Horizontal
2332.140	41.68	46.57	-7.81	33.87	38.76	54	74	-20.13	-35.24	Horizontal
2390.000	45.98	50.83	-7.53	38.45	43.30	54	74	-15.55	-30.70	Horizontal

Note:

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

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

Date of Test:	May 7, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11n Channel High 2452MHz (40MHz)	Test Engineer:	Pei

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2483.000	43.58	48.37	-7.37	36.21	41.00	54	74	-17.79	-33.00	Vertical
2487.000	41.68	46.33	-7.38	34.30	38.95	54	74	-19.70	-35.05	Vertical
2500.000	41.35	46.62	-7.40	33.95	39.22	54	74	-20.05	-34.78	Vertical
2483.150	42.57	47.50	-7.37	35.20	40.13	54	74	-18.80	-33.87	Horizontal
2487.000	42.69	47.49	-7.38	35.31	40.11	54	74	-18.69	-33.89	Horizontal
2500.000	42.66	47.21	-7.40	35.26	39.81	54	74	-18.74	-34.19	Horizontal

Note:

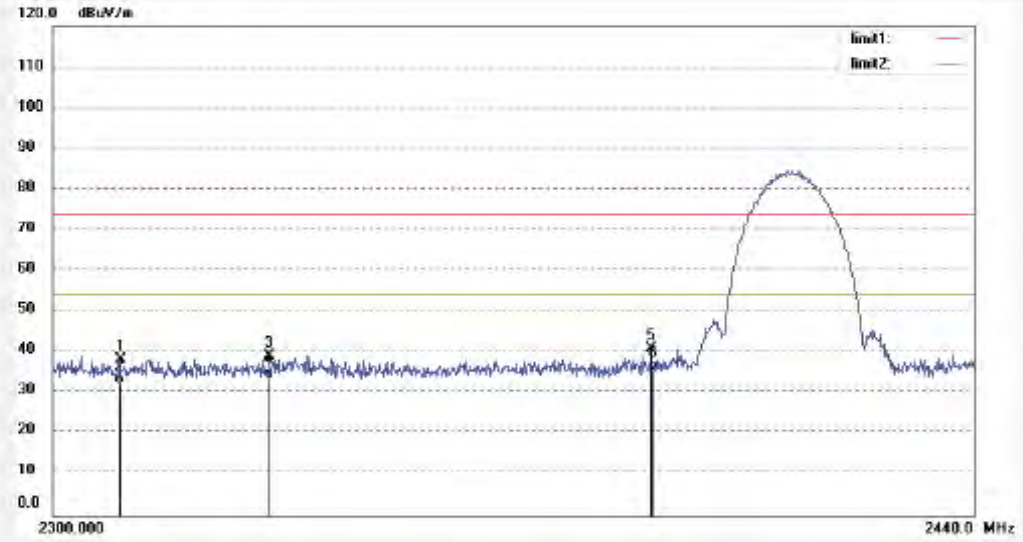
1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is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

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

Job No.: Bob #1831
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 1(802.11b)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2012/05/10
Time: 21:27:16
Engineer Signature:
Distance:

Note: Report NO.:ATE20120847

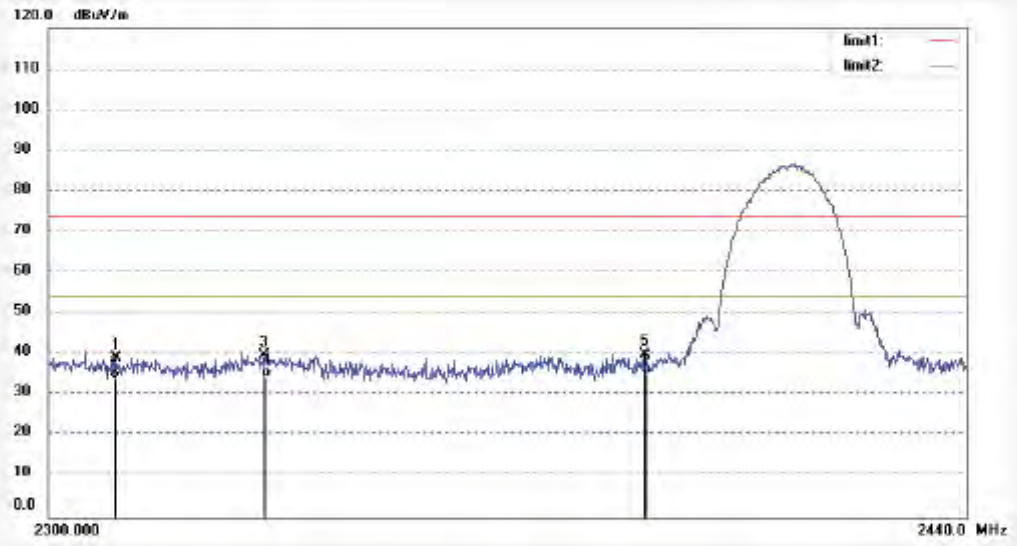


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	45.98	-7.81	38.17	74.00	-35.83	peak			
2	2310.000	40.15	-7.81	32.34	54.00	-21.66	AVG			
3	2332.136	46.94	-7.81	39.13	74.00	-34.87	peak			
4	2332.136	41.68	-7.81	33.87	54.00	-20.13	AVG			
5	2390.000	48.39	-7.53	40.86	74.00	-33.14	peak			
6	2390.000	43.18	-7.53	35.65	54.00	-18.35	AVG			

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

Job No.: Bob #1832	Polarization: Vertical
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/05/10
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 21:31:32
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 1(802.11b)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847



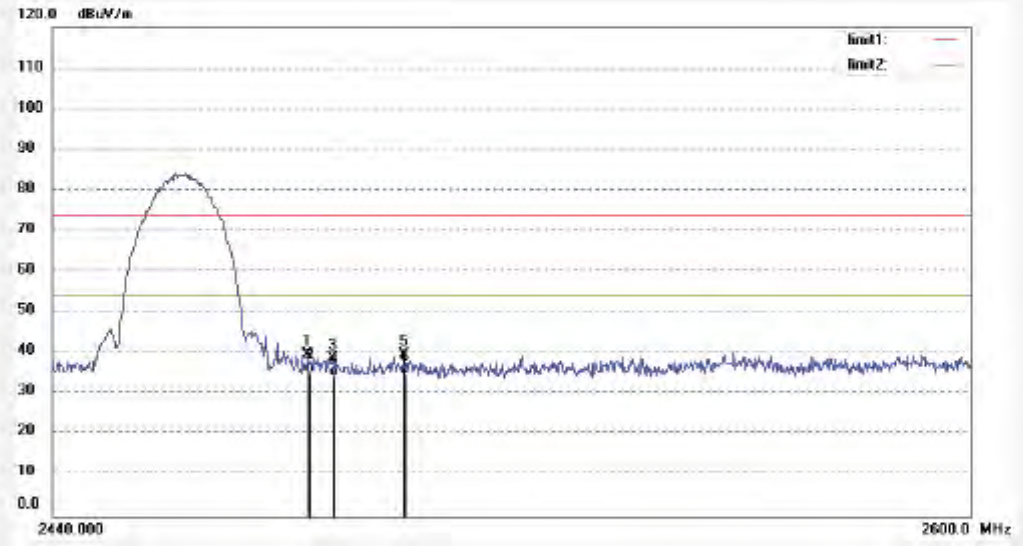
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	47.06	-7.81	39.25	74.00	-34.75	peak			
2	2310.000	41.99	-7.81	34.18	54.00	-19.82	AVG			
3	2332.164	47.56	-7.81	39.75	74.00	-34.25	peak			
4	2332.164	42.19	-7.81	34.38	54.00	-19.62	AVG			
5	2390.000	47.44	-7.53	39.91	74.00	-34.09	peak			
6	2390.000	42.78	-7.53	35.25	54.00	-18.75	AVG			

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

Job No.: Bob #1834
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 11(802.11b)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2012/05/10
Time: 21:38:45
Engineer Signature:
Distance:

Note: Report NO.:ATE20120847



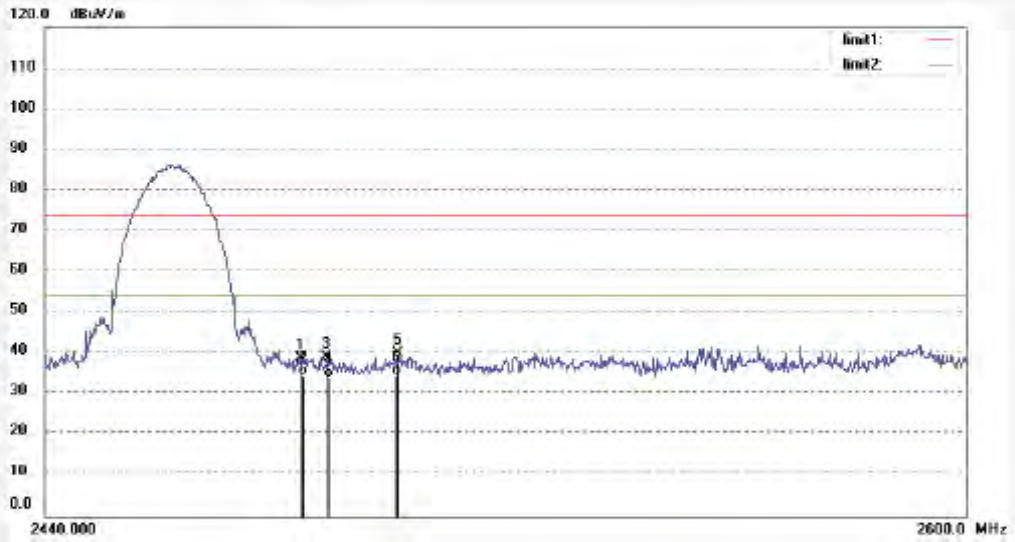
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	47.22	-7.37	39.85	74.00	-34.15	peak			
2	2483.500	42.57	-7.37	35.20	54.00	-18.80	AVG			
3	2487.904	46.28	-7.38	38.90	74.00	-35.10	peak			
4	2487.904	41.58	-7.38	34.20	54.00	-19.80	AVG			
5	2500.000	47.08	-7.40	39.68	74.00	-34.32	peak			
6	2500.000	42.22	-7.40	34.82	54.00	-19.18	AVG			

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

Job No.: Bob #1833
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 11(802.11b)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2012/05/10
Time: 21:35:25
Engineer Signature:
Distance:

Note: Report NO.:ATE20120847



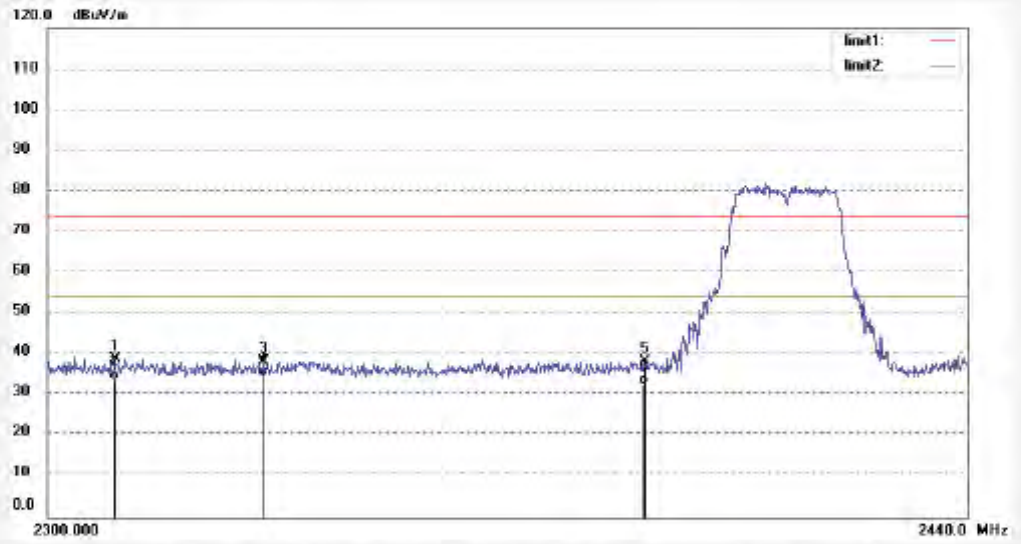
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	46.08	-7.37	38.71	74.00	-35.29	peak			
2	2483.500	41.98	-7.37	34.61	54.00	-19.39	AVG			
3	2487.904	46.39	-7.38	39.01	74.00	-34.99	peak			
4	2487.904	41.55	-7.38	34.17	54.00	-19.83	AVG			
5	2500.000	47.50	-7.40	40.10	74.00	-33.90	peak			
6	2500.000	42.17	-7.40	34.77	54.00	-19.23	AVG			

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

Job No.: Bob #1838
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 1(802.11g)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2012/05/10
Time: 21:53:38
Engineer Signature:
Distance:

Note: Report NO.:ATE20120847



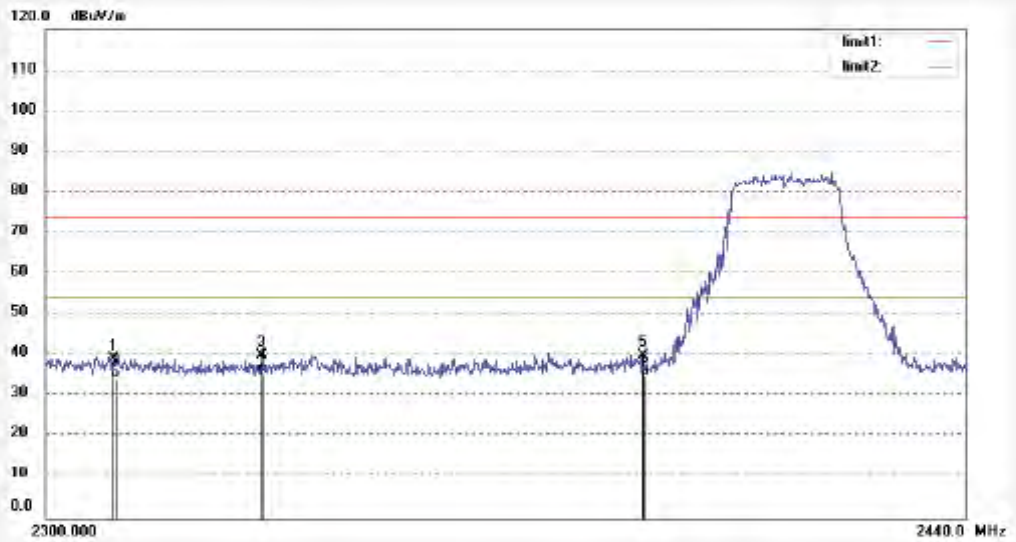
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	46.74	-7.81	38.93	74.00	-35.07	peak			
2	2310.000	41.57	-7.81	33.76	54.00	-20.24	AVG			
3	2332.170	46.07	-7.81	38.26	74.00	-35.74	peak			
4	2332.170	42.58	-7.81	34.77	54.00	-19.23	AVG			
5	2390.000	45.66	-7.53	38.13	74.00	-35.87	peak			
6	2390.000	40.17	-7.53	32.64	54.00	-21.36	AVG			

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

Job No.: Bob #1837
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 1(802.11g)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2012/05/10
Time: 21:49:19
Engineer Signature:
Distance:

Note: Report NO.:ATE20120847



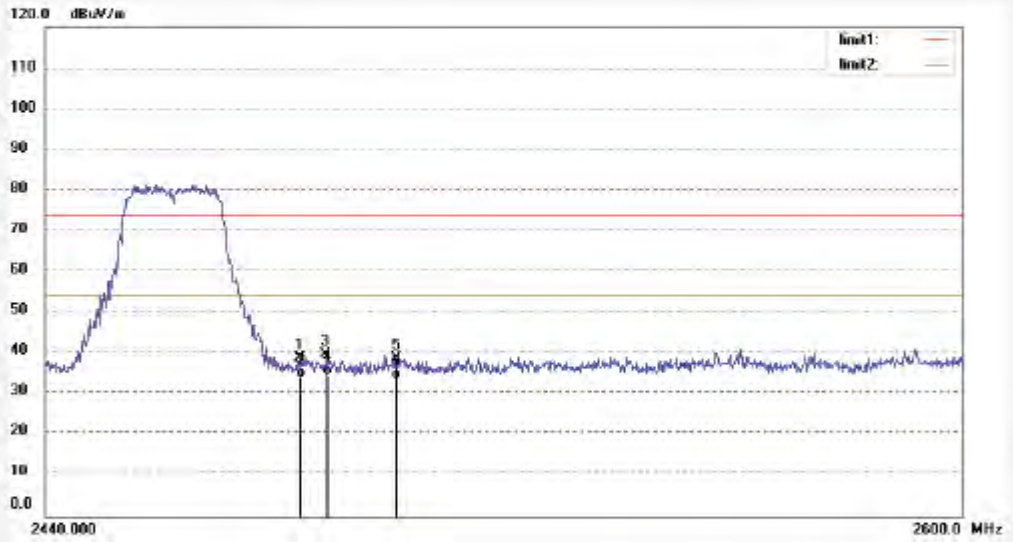
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	47.01	-7.81	39.20	74.00	-34.80	peak			
2	2310.000	42.17	-7.81	34.36	54.00	-19.64	AVG			
3	2332.170	47.74	-7.81	39.93	74.00	-34.07	peak			
4	2332.170	43.57	-7.81	35.76	54.00	-18.24	AVG			
5	2390.000	47.44	-7.53	39.91	74.00	-34.09	peak			
6	2390.000	42.39	-7.53	34.86	54.00	-19.14	AVG			

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

Job No.: Bob #1835
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 11(802.11g)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2012/05/10
Time: 21:43:24
Engineer Signature:
Distance:

Note: Report NO.:ATE20120847



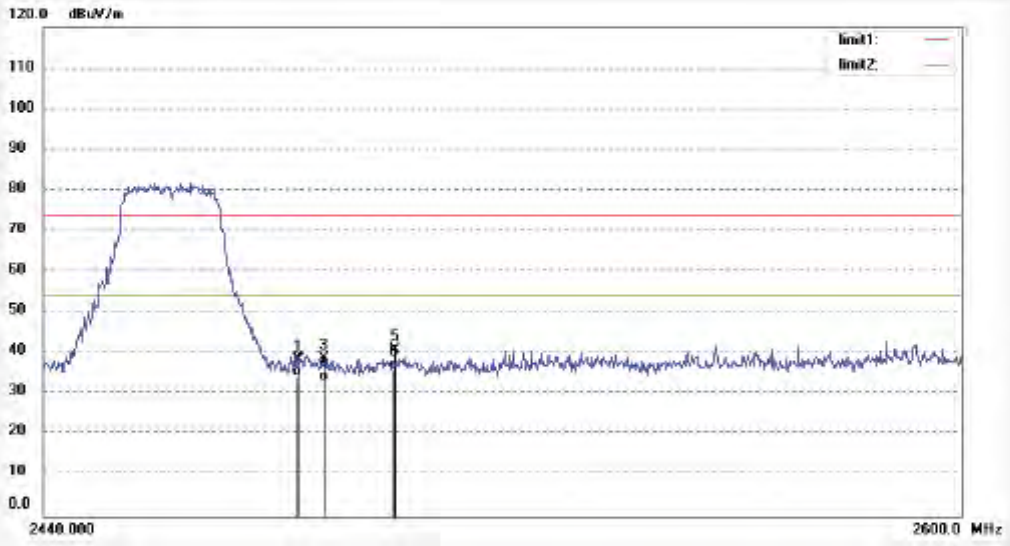
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.450	46.32	-7.37	38.95	74.00	-35.05	peak			
2	2483.450	41.47	-7.37	34.10	54.00	-19.90	AVG			
3	2487.910	47.13	-7.38	39.75	74.00	-34.25	peak			
4	2487.910	42.17	-7.38	34.79	54.00	-19.21	AVG			
5	2500.000	46.34	-7.40	38.94	74.00	-35.06	peak			
6	2500.000	41.18	-7.40	33.78	54.00	-20.22	AVG			

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

Job No.: Bob #1836
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 11(802.11g)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2012/05/10
Time: 21:46:38
Engineer Signature:
Distance:

Note: Report NO.:ATE20120847



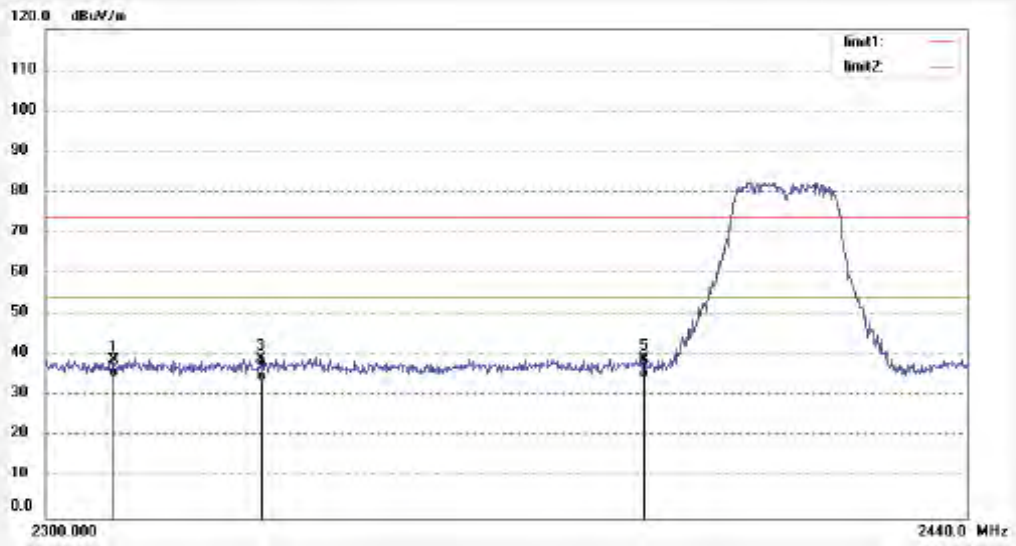
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	46.01	-7.37	38.64	74.00	-35.36	peak			
2	2483.500	41.68	-7.37	34.31	54.00	-19.69	AVG			
3	2487.680	46.20	-7.38	38.82	74.00	-35.18	peak			
4	2487.680	40.58	-7.38	33.20	54.00	-20.80	AVG			
5	2500.000	48.25	-7.40	40.85	74.00	-33.15	peak			
6	2500.000	43.58	-7.40	36.18	54.00	-17.82	AVG			

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

Job No.: Bob #1839
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 1(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2012/05/10
Time: 21:57:55
Engineer Signature:
Distance:

Note: Report NO.:ATE20120847



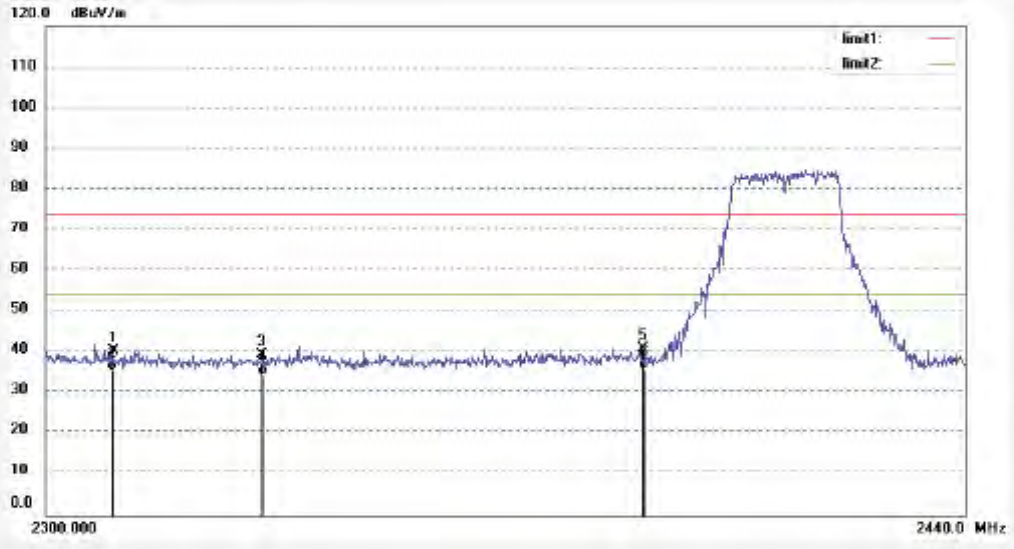
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	46.72	-7.81	38.91	74.00	-35.09	peak			
2	2310.000	42.55	-7.81	34.74	54.00	-19.26	AVG			
3	2332.000	46.88	-7.81	39.07	74.00	-34.93	peak			
4	2332.000	41.58	-7.81	33.77	54.00	-20.23	AVG			
5	2390.000	46.72	-7.53	39.19	74.00	-34.81	peak			
6	2390.000	41.89	-7.53	34.36	54.00	-19.64	AVG			

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

Job No.: Bob #1840
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 1(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2012/05/10
Time: 21:59:58
Engineer Signature:
Distance:

Note: Report NO.:ATE20120847

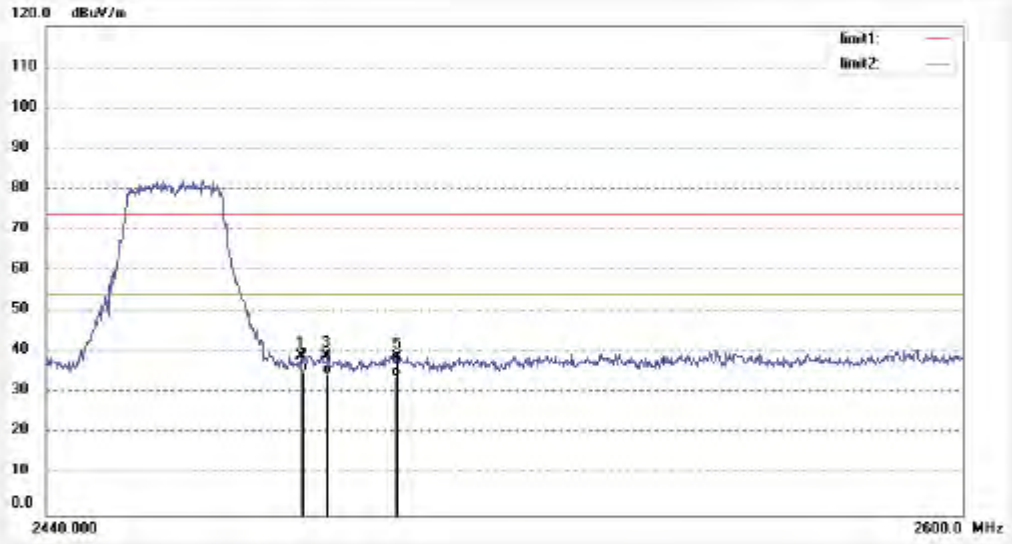


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	48.21	-7.81	40.40	74.00	-33.60	peak			
2	2310.000	43.27	-7.81	35.46	54.00	-18.54	AVG			
3	2332.170	47.33	-7.81	39.52	74.00	-34.48	peak			
4	2332.170	42.16	-7.81	34.35	54.00	-19.65	AVG			
5	2390.000	48.50	-7.53	40.97	74.00	-33.03	peak			
6	2390.000	43.24	-7.53	35.71	54.00	-18.29	AVG			

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

Job No.: Bob #1842	Polarization: Horizontal
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/05/10
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 22:06:27
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 11(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847



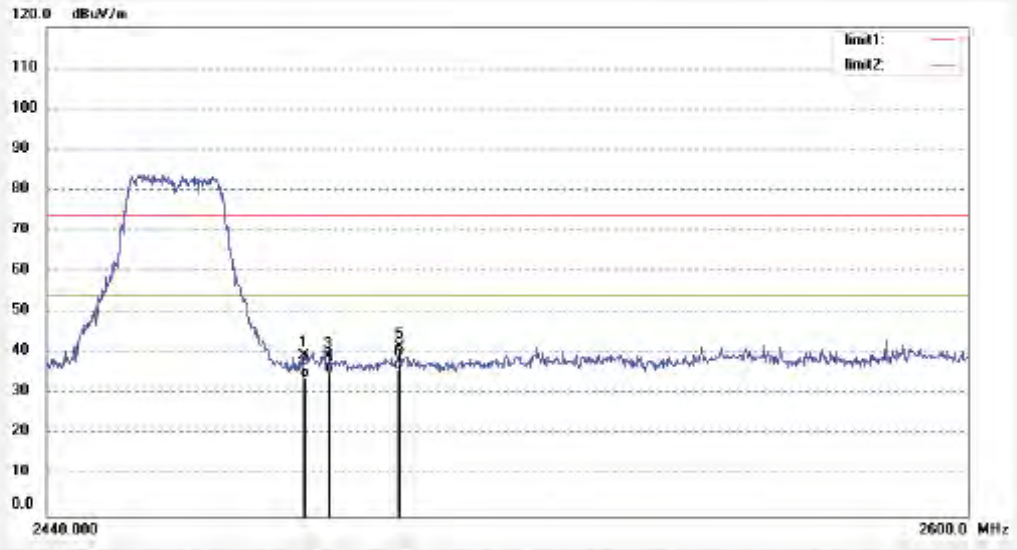
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	46.42	-7.37	39.05	74.00	-34.95	peak			
2	2483.500	42.68	-7.37	35.31	54.00	-18.69	AVG			
3	2487.940	46.66	-7.38	39.28	74.00	-34.72	peak			
4	2487.940	42.15	-7.38	34.77	54.00	-19.23	AVG			
5	2500.000	46.34	-7.40	38.94	74.00	-35.06	peak			
6	2500.000	41.58	-7.40	34.18	54.00	-19.82	AVG			

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

Job No.: Bob #1841
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 11(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2012/05/10
Time: 22:03:07
Engineer Signature:
Distance:

Note: Report NO.:ATE20120847



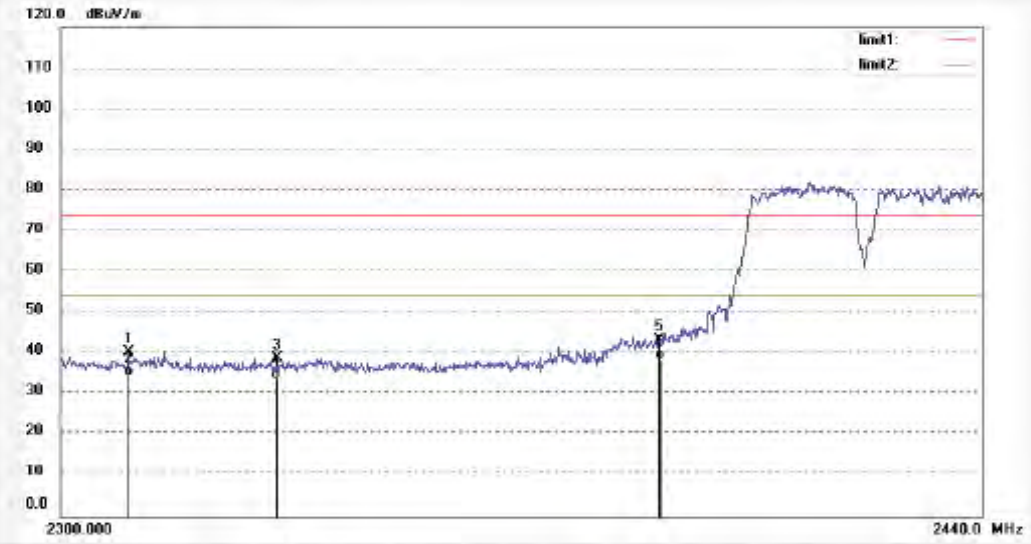
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.650	46.88	-7.37	39.51	74.00	-34.49	peak			
2	2483.650	41.47	-7.37	34.10	54.00	-19.90	AVG			
3	2487.940	46.64	-7.38	39.26	74.00	-34.74	peak			
4	2487.940	42.58	-7.38	35.20	54.00	-18.80	AVG			
5	2500.000	49.06	-7.40	41.66	74.00	-32.34	peak			
6	2500.000	43.55	-7.40	36.15	54.00	-17.85	AVG			

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

Job No.: Bob #1991
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 3(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 13/08/17
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



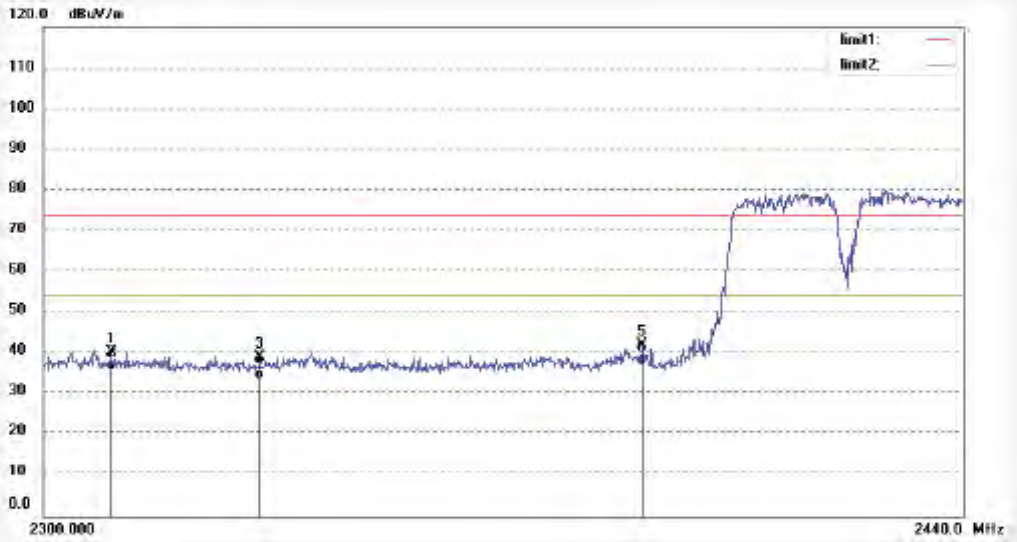
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	48.12	-7.81	40.31	74.00	-33.69	peak			
2	2310.000	42.17	-7.81	34.36	54.00	-19.64	AVG			
3	2332.140	46.57	-7.81	38.76	74.00	-35.24	peak			
4	2332.140	41.68	-7.81	33.87	54.00	-20.13	AVG			
5	2390.000	50.83	-7.53	43.30	74.00	-30.70	peak			
6	2390.000	45.98	-7.53	38.45	54.00	-15.55	AVG			

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

Job No.: Bob #1992
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 3(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 13/11/31
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



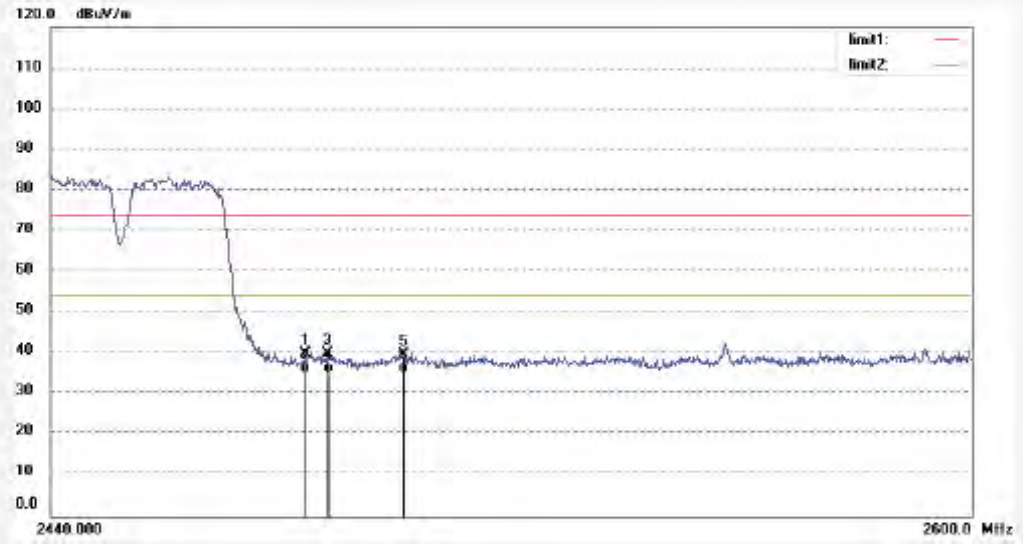
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	48.20	-7.81	40.39	74.00	-33.61	peak			
2	2310.000	43.58	-7.81	35.77	54.00	-18.23	AVG			
3	2332.140	46.85	-7.81	39.04	74.00	-34.96	peak			
4	2332.140	41.58	-7.81	33.77	54.00	-20.23	AVG			
5	2390.240	49.54	-7.53	42.01	74.00	-31.99	peak			
6	2390.240	44.68	-7.53	37.15	54.00	-16.85	AVG			

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

Job No.: Bob #1994
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 9(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 13/19/34
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

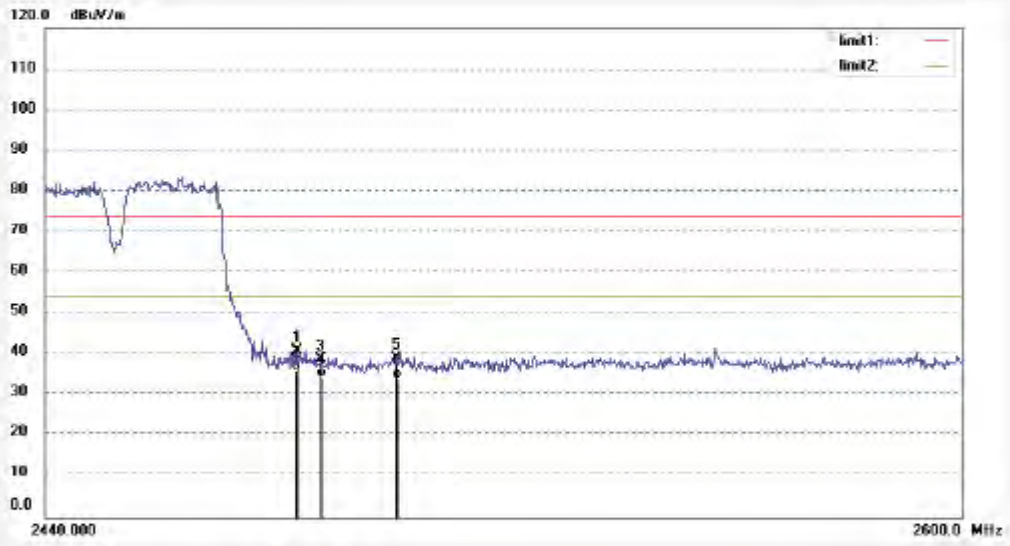


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.150	47.50	-7.37	40.13	74.00	-33.87	peak			
2	2483.150	42.57	-7.37	35.20	54.00	-18.80	AVG			
3	2487.000	47.49	-7.38	40.11	74.00	-33.89	peak			
4	2487.000	42.69	-7.38	35.31	54.00	-18.69	AVG			
5	2500.000	47.21	-7.40	39.81	74.00	-34.19	peak			
6	2500.000	42.66	-7.40	35.26	54.00	-18.74	AVG			

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

Job No.: Bob #1993	Polarization: Vertical
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/12/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 13/14/51
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 9(802.11n)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

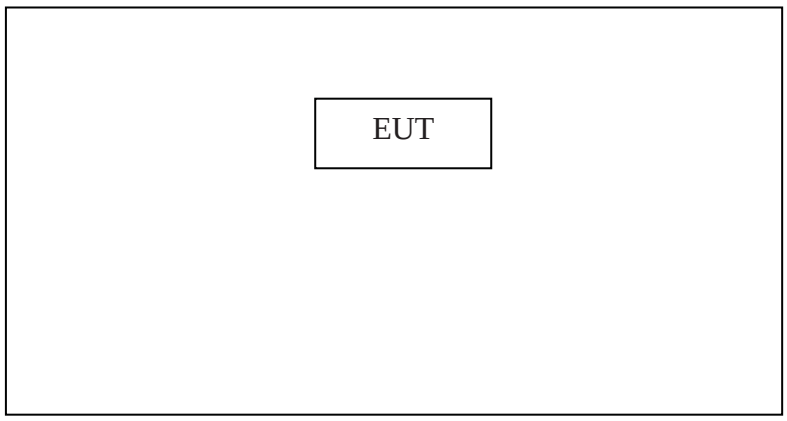


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.000	48.37	-7.37	41.00	74.00	-33.00	peak			
2	2483.000	43.58	-7.37	36.21	54.00	-17.79	AVG			
3	2487.000	46.33	-7.38	38.95	74.00	-35.05	peak			
4	2487.000	41.68	-7.38	34.30	54.00	-19.70	AVG			
5	2500.000	46.62	-7.40	39.22	74.00	-34.78	peak			
6	2500.000	41.35	-7.40	33.95	54.00	-20.05	AVG			

9. RADIATED SPURIOUS EMISSION TEST

9.1.Block Diagram of Test Setup

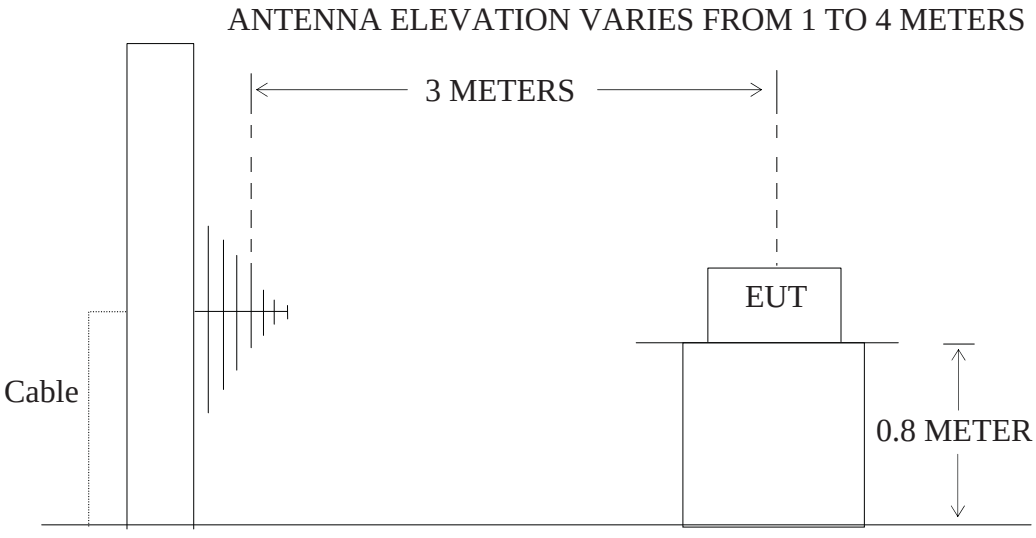
9.1.1.Block diagram of connection between the EUT and peripherals



Setup: Transmitting mode

(EUT: HANNSpad)

9.1.2.Semi-Anechoic Chamber Test Setup Diagram



(EUT: HANNSpad)

9.2.The Limit For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

9.3.Restricted bands of operation

9.3.1.FCC Part 15.205 Restricted bands of operation

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

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

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510
[2]Above 38.6

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

9.4.Configuration of EUT on Measurement

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

9.4.1.HANNSpad (EUT)

Model Number	:	HSG1248
Serial Number	:	N/A
Manufacturer	:	Hannspree Inc.

9.5.Operating Condition of EUT

9.5.1.Setup the EUT and simulator as shown as Section 9.1.

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 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz 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 and 150Mbps for 802.11n mode, based on previous with 802.11 WLAN product design architectures.

The bandwidth of test receiver is set at 9kHz in below 30MHz. and set at 120kHz in 30-1000MHz, and 1MHz in above 1000MHz.

The frequency range from 9kHz to 25GHz 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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

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	
602.9287	13.44	25.59	39.03	46.00	-6.97	Vertical
862.8015	11.04	28.64	39.68	46.00	-6.32	Vertical
945.3336	11.39	29.46	40.85	46.00	-5.15	Vertical
421.3287	15.80	23.16	38.96	46.00	-7.04	Horizontal
815.6352	12.59	28.02	40.61	46.00	-5.39	Horizontal
935.4214	11.01	29.26	40.27	46.00	-5.73	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11b Channel Middle 2437MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m) QP	Factor(dB) Corr.	Result (dBμV/m) QP	Limit (dBμV/m) QP	Margin (dB) QP	Polarization
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m) QP	Factor Corr. (dB)	Result (dBμV/m) QP	Limit (dBμV/m) QP	Margin (dB) QP	Polarization
605.0509	16.02	25.64	41.66	46.00	-4.34	Vertical
716.2038	13.40	27.05	40.45	46.00	-5.55	Vertical
887.3978	11.71	28.77	40.48	46.00	-5.52	Vertical
644.5531	13.43	26.08	39.51	46.00	-6.49	Horizontal
747.0467	13.62	27.57	41.19	46.00	-4.81	Horizontal
850.7603	11.67	28.36	40.03	46.00	-5.97	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m) QP	Factor(dB) Corr.	Result (dBμV/m) QP	Limit (dBμV/m) QP	Margin (dB) QP	Polarization
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m) QP	Factor Corr. (dB)	Result (dBμV/m) QP	Limit (dBμV/m) QP	Margin (dB) QP	Polarization
565.9776	15.02	25.27	40.29	46.00	-5.71	Vertical
644.5531	14.28	26.08	40.36	46.00	-5.64	Vertical
850.7603	12.11	28.36	40.47	46.00	-5.53	Vertical
644.5531	14.60	26.08	40.68	46.00	-5.32	Horizontal
747.0467	12.50	27.57	40.07	46.00	-5.93	Horizontal
850.7603	12.28	28.36	40.64	46.00	-5.36	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m) QP	Factor(dB) Corr.	Result (dBμV/m) QP	Limit (dBμV/m) QP	Margin (dB) QP	Polarization
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m) QP	Factor Corr. (dB)	Result (dBμV/m) QP	Limit (dBμV/m) QP	Margin (dB) QP	Polarization
565.9776	14.29	25.27	39.56	46.00	-6.44	Vertical
605.0509	14.25	25.64	39.89	46.00	-6.11	Vertical
686.6342	12.79	26.37	39.16	46.00	-6.84	Vertical
421.3287	15.17	23.16	38.33	46.00	-7.67	Horizontal
815.6352	12.54	28.02	40.56	46.00	-5.44	Horizontal
887.3978	11.59	28.77	40.36	46.00	-5.64	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11g Channel Middle 2437MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m) QP	Factor(dB) Corr.	Result (dBμV/m) QP	Limit (dBμV/m) QP	Margin (dB) QP	Polarization
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m) QP	Factor Corr. (dB)	Result (dBμV/m) QP	Limit (dBμV/m) QP	Margin (dB) QP	Polarization
498.7303	16.33	23.98	40.31	46.00	-5.69	Vertical
565.9776	15.86	25.27	41.13	46.00	-4.87	Vertical
644.5531	14.95	26.08	41.03	46.00	-4.97	Vertical
389.9874	16.70	21.88	38.58	46.00	-7.42	Horizontal
850.7603	11.78	28.36	40.14	46.00	-5.86	Horizontal
925.6132	11.26	29.16	40.42	46.00	-5.58	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m) QP	Factor(dB) Corr.	Result (dBμV/m) QP	Limit (dBμV/m) QP	Margin (dB) QP	Polarization
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m) QP	Factor Corr. (dB)	Result (dBμV/m) QP	Limit (dBμV/m) QP	Margin (dB) QP	Polarization
565.9776	15.66	25.27	40.93	46.00	-5.07	Vertical
686.6342	14.60	26.37	40.97	46.00	-5.03	Vertical
850.7603	12.50	28.36	40.86	46.00	-5.14	Vertical
747.0467	12.99	27.57	40.56	46.00	-5.44	Horizontal
779.2179	13.02	27.83	40.85	46.00	-5.15	Horizontal
850.7603	13.03	28.36	41.39	46.00	-4.61	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11n Channel Low 2412MHz (20MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

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	
498.7302	13.56	23.98	37.54	46.00	-8.46	Vertical
605.0507	13.75	25.64	39.39	46.00	-6.61	Vertical
815.6352	9.46	28.02	37.48	46.00	-8.52	Vertical
421.3287	14.17	23.16	37.33	46.00	-8.67	Horizontal
815.6352	12.04	28.02	40.06	46.00	-5.94	Horizontal
887.3976	12.59	28.77	41.36	46.00	-4.64	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11n Channel Middle 2437MHz (20MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

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	
498.7303	14.85	23.98	38.83	46.00	-7.17	Vertical
644.5531	14.63	26.08	40.71	46.00	-5.29	Vertical
850.7603	12.92	28.36	41.28	46.00	-4.72	Vertical
421.3287	16.41	23.16	39.57	46.00	-6.43	Horizontal
468.1650	14.81	23.55	38.36	46.00	-7.64	Horizontal
815.6352	10.67	28.02	38.69	46.00	-7.31	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11n Channel High 2462MHz (20MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

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	
565.9776	14.87	25.27	40.14	46.00	-5.86	Vertical
686.6342	13.67	26.37	40.04	46.00	-5.96	Vertical
850.7603	12.19	28.36	40.55	46.00	-5.45	Vertical
644.5531	14.93	26.08	41.01	46.00	-4.99	Horizontal
686.6342	14.47	26.37	40.84	46.00	-5.16	Horizontal
850.7603	12.27	28.36	40.63	46.00	-5.37	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11n Channel Low 2422MHz (40MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

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	
644.5531	11.76	26.08	37.84	46.00	-8.16	Vertical
779.2179	11.58	27.83	39.41	46.00	-6.59	Vertical
850.7603	11.27	28.36	39.63	46.00	-6.37	Vertical
602.9287	12.42	25.59	38.01	46.00	-7.99	Horizontal
644.5531	13.94	26.08	40.02	46.00	-5.98	Horizontal
850.7603	11.81	28.6	40.17	46.00	-5.83	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11n Channel Middle 2437MHz (40MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

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	
565.9776	14.43	25.27	39.70	46.00	-6.30	Vertical
747.0467	10.72	27.57	38.29	46.00	-7.71	Vertical
925.6132	9.53	29.16	38.69	46.00	-7.31	Vertical
605.0509	13.42	25.64	39.06	46.00	-6.94	Horizontal
644.5531	14.83	26.08	40.91	46.00	-5.09	Horizontal
850.7603	12.04	28.36	40.40	46.00	-5.60	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	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 7-13, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60HZ
Test Mode:	802.11n Channel High 2452MHz (40MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

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	
565.9776	12.78	25.27	38.05	46.00	-7.95	Vertical
605.0509	12.69	25.64	38.33	46.00	-7.67	Vertical
850.7603	12.46	28.36	40.82	46.00	-5.18	Vertical
644.5531	13.90	26.08	39.98	46.00	-6.02	Horizontal
850.7603	12.42	28.36	40.78	46.00	-5.22	Horizontal
887.3978	11.53	28.77	40.30	46.00	-5.70	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	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

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

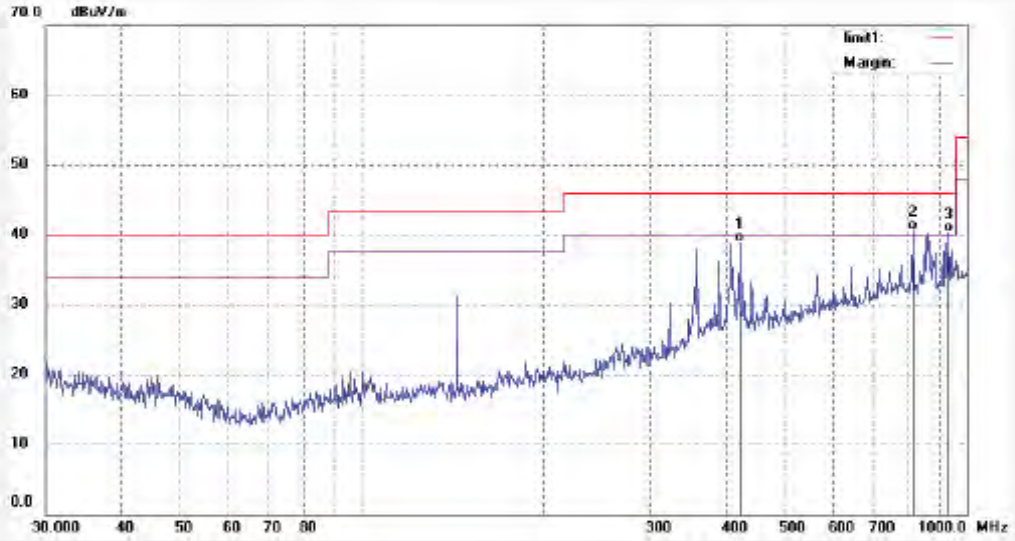
2. *: Denotes restricted band of operation.

ACCURATE TECHNOLOGY CO., LTD.
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.: Bob #1925
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 1(802.11b)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/26/18
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



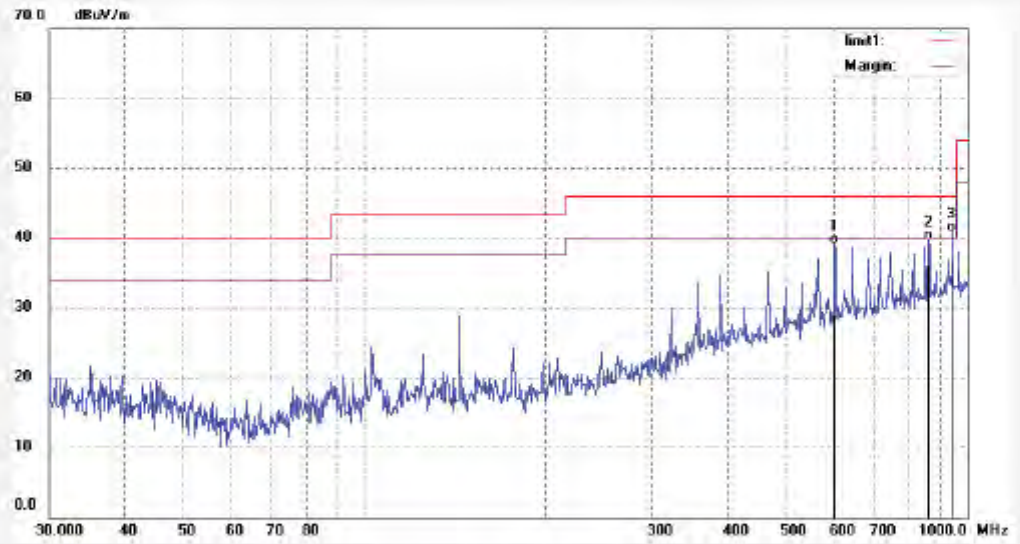
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	421.3287	15.80	23.16	38.96	46.00	-7.04	QP			
2	815.6352	12.59	28.02	40.61	46.00	-5.39	QP			
3	935.4214	11.01	29.26	40.27	46.00	-5.73	QP			

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

Job No.: Bob #1924
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 1(802.11b)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/23/36
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

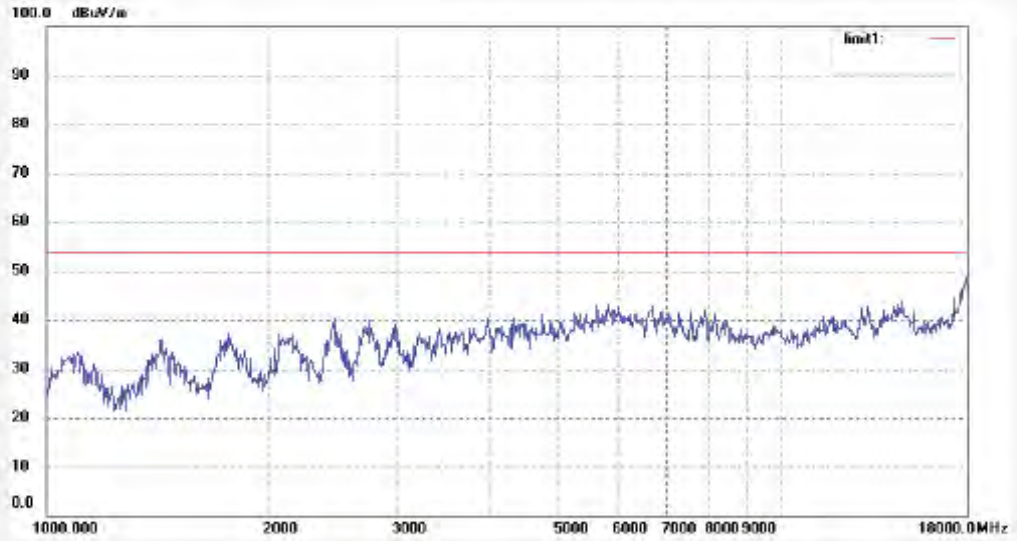


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	602.9287	13.44	25.59	39.03	46.00	-6.97	QP			
2	862.8015	11.04	28.64	39.68	46.00	-6.32	QP			
3	945.3336	11.39	29.46	40.85	46.00	-5.15	QP			

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

Job No.: Bob #1852	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 8/55/31
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 1(802.11b)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

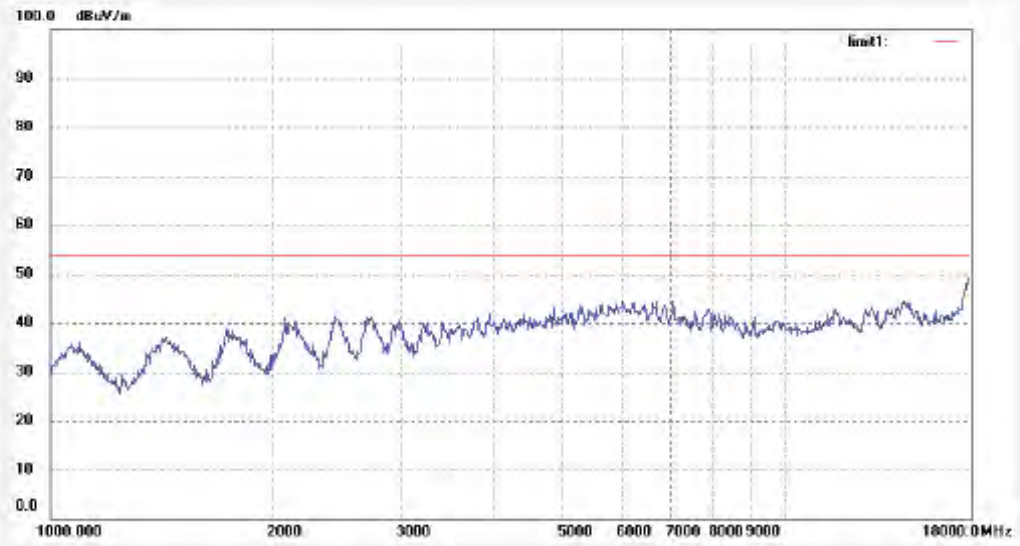


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1853	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 8/58/18
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 1(802.11b)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

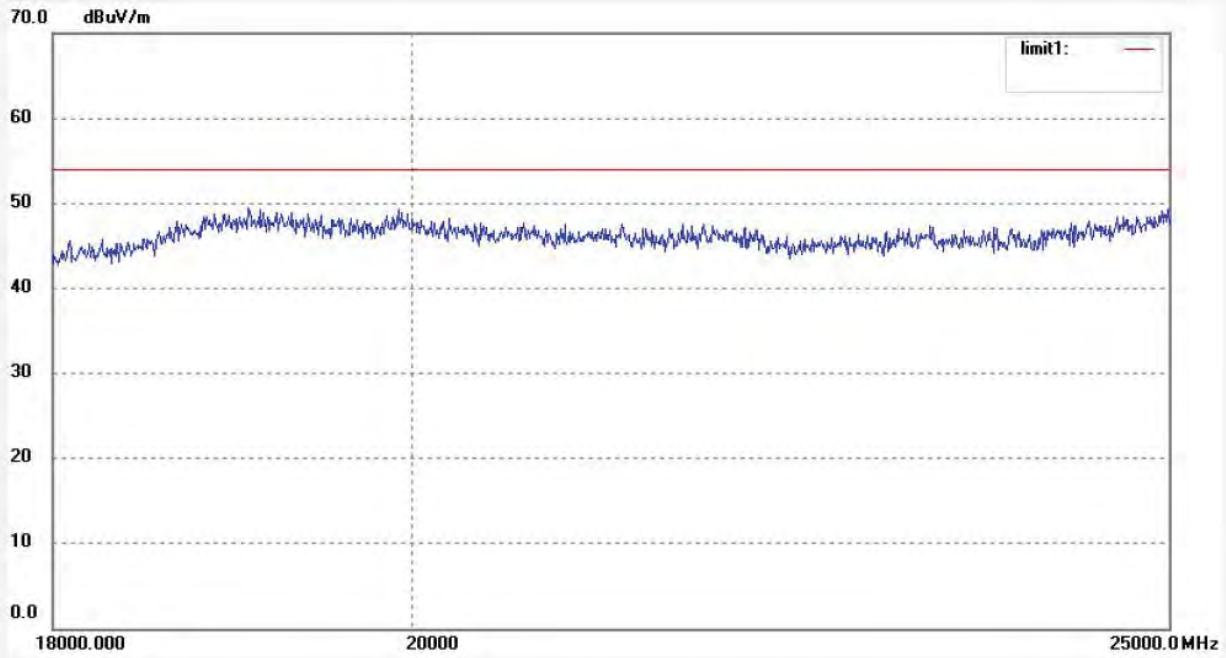


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1601	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:05:15
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 1 (802.11b)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

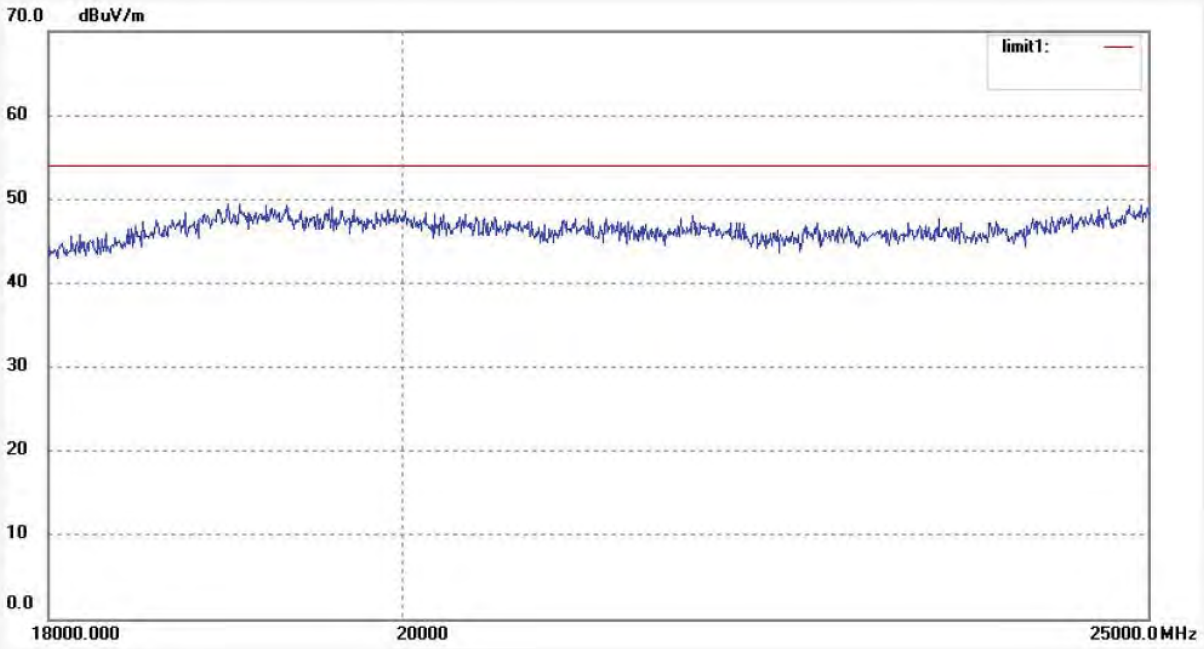


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1602	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:09:22
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 1 (802.11b)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846



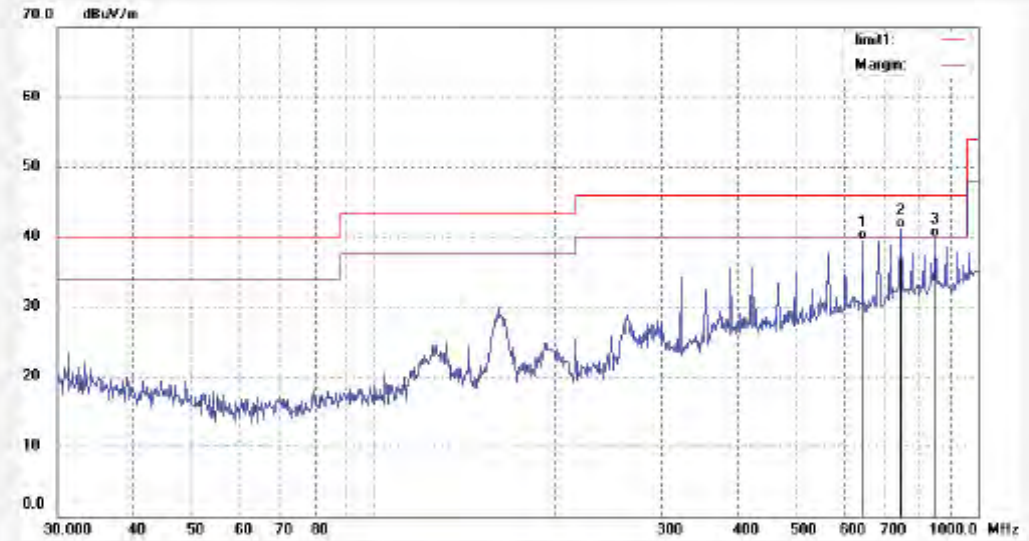
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1934
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 6(802.11b)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/53/45
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



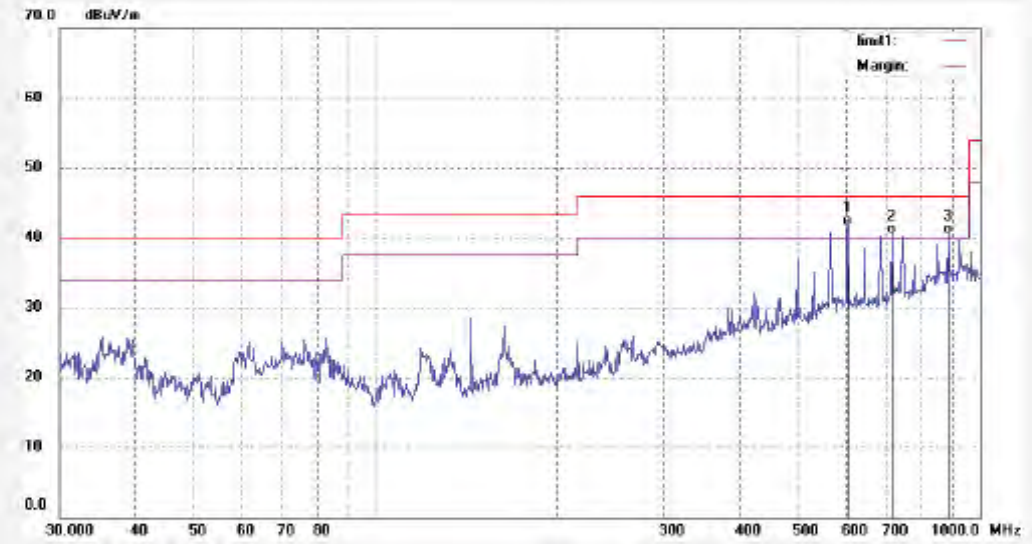
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	13.43	26.08	39.51	46.00	-6.49	QP			
2	747.0467	13.62	27.57	41.19	46.00	-4.81	QP			
3	850.7603	11.67	28.36	40.03	46.00	-5.97	QP			

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

Job No.: Bob #1935
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 6(802.11b)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/55/23
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

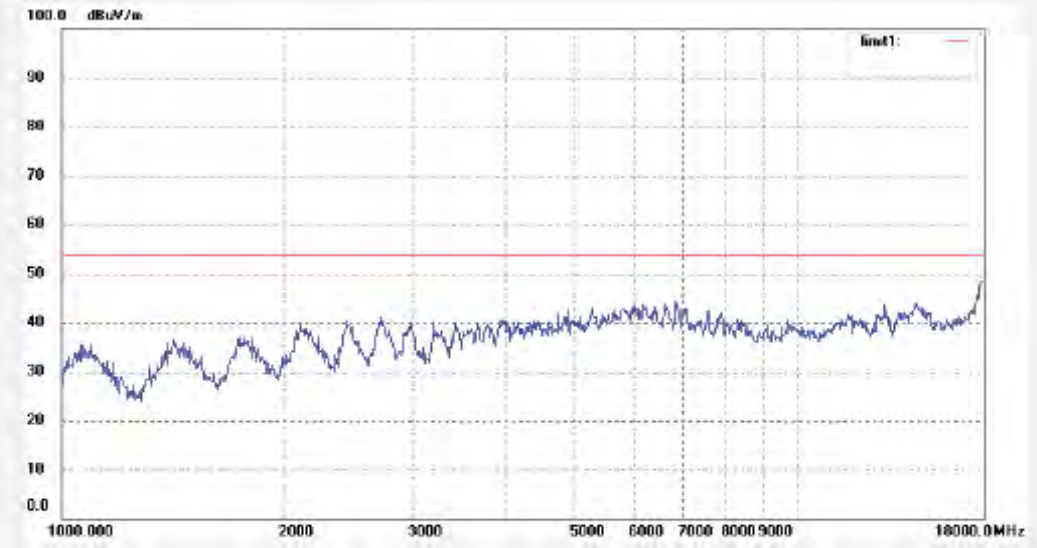


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	605.0509	16.02	25.64	41.66	46.00	-4.34	QP			
2	716.2038	13.40	27.05	40.45	46.00	-5.55	QP			
3	887.3978	11.71	28.77	40.48	46.00	-5.52	QP			

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

Job No.: Bob #1859	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/18/19
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 6(802.11b)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

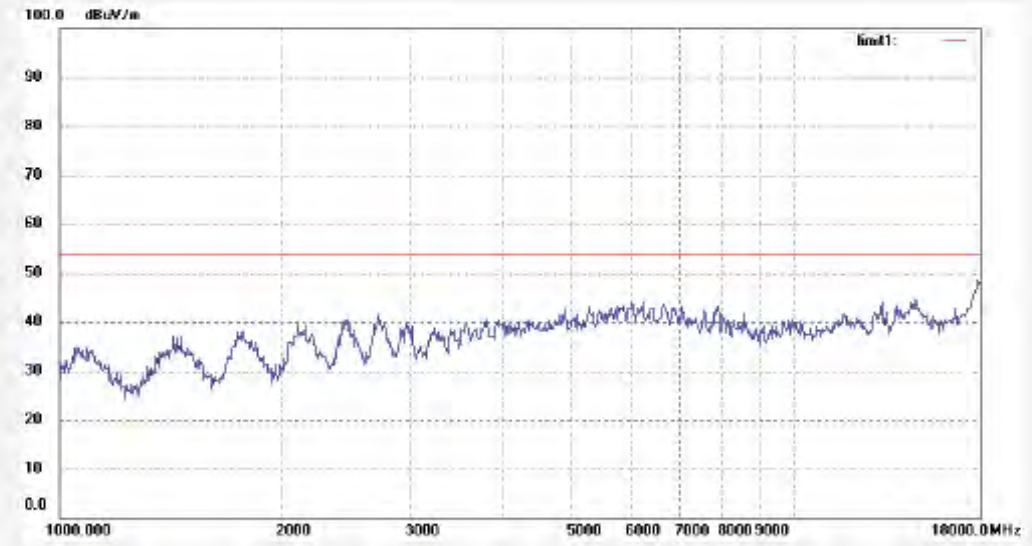


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1858	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/15/37
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 6(802.11b)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

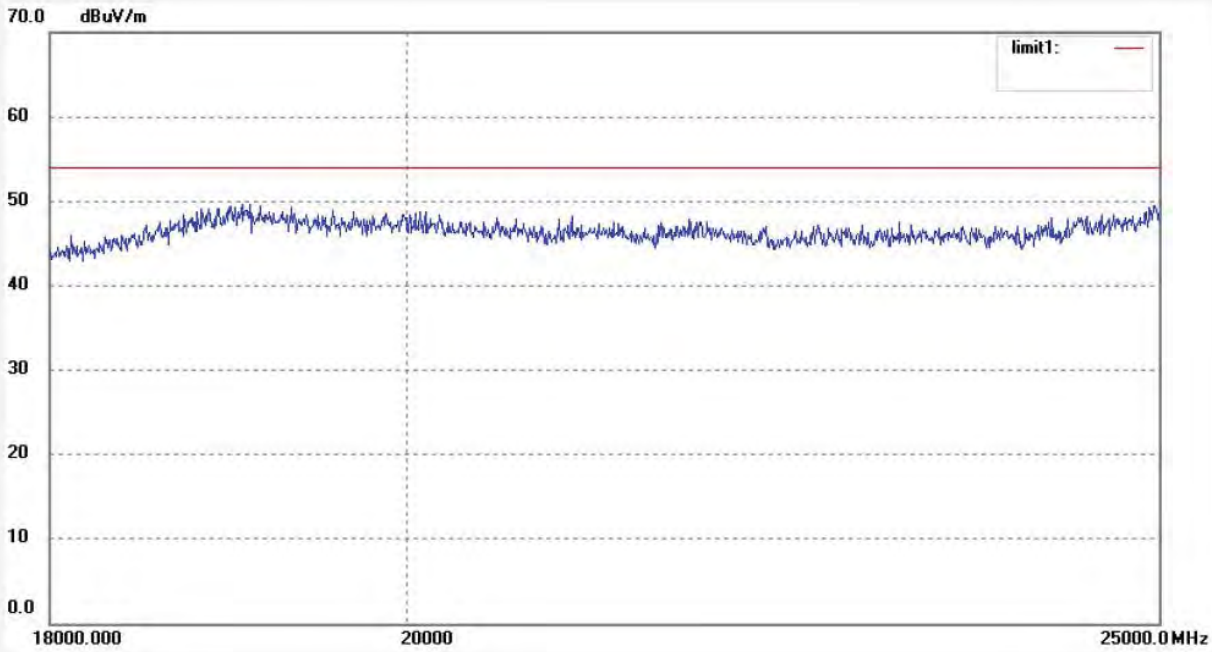


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1604	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:18:36
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 6 (802.11b)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

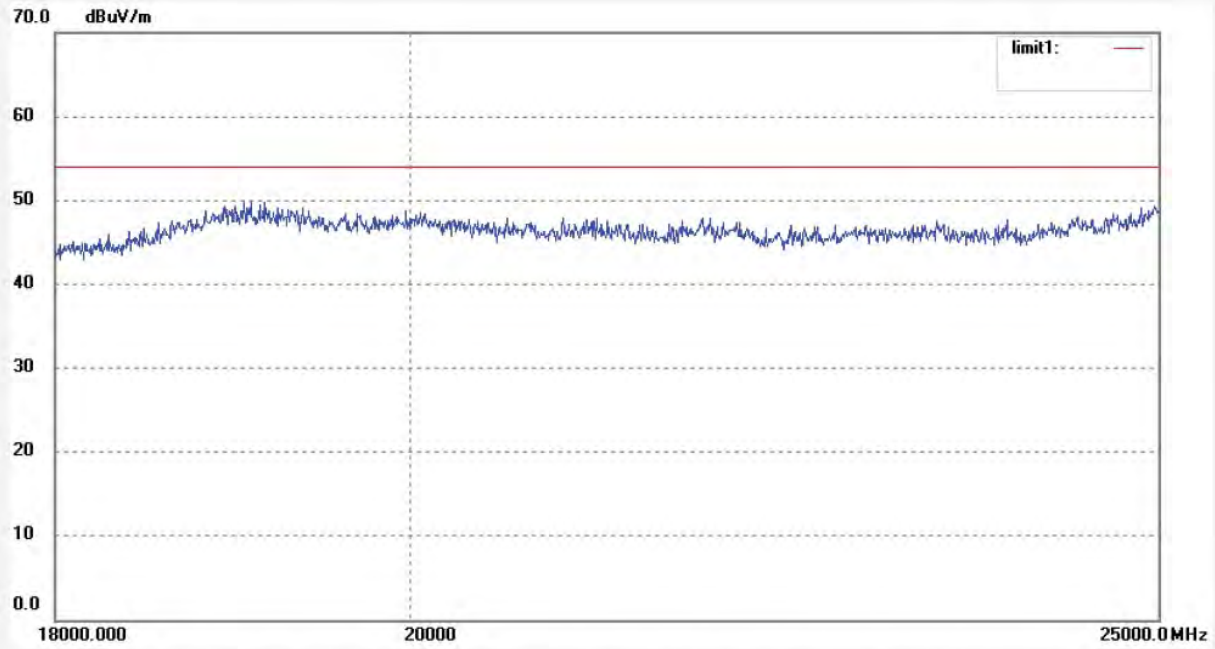


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1603	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:14:45
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 6 (802.11b)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

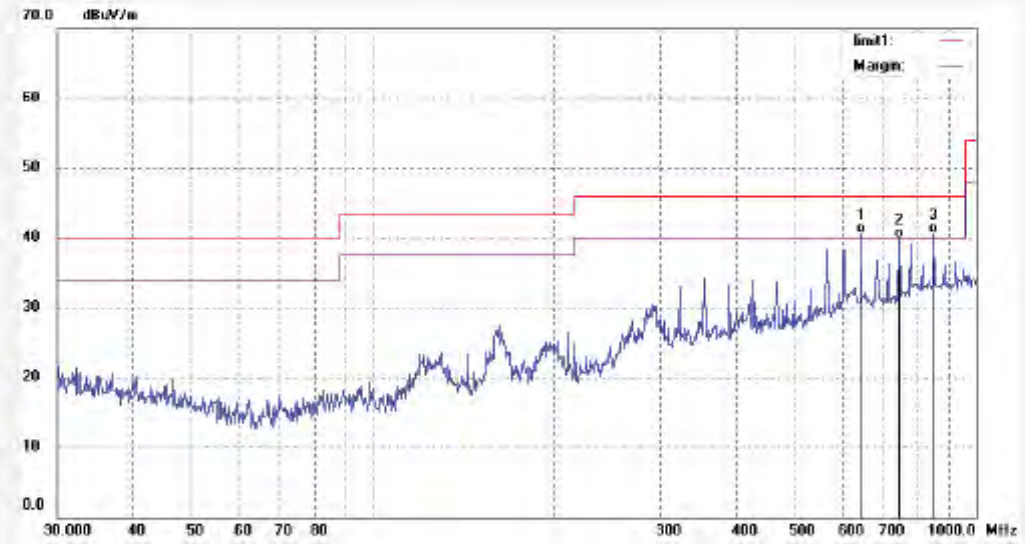


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1937	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/12/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 11/02/39
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847



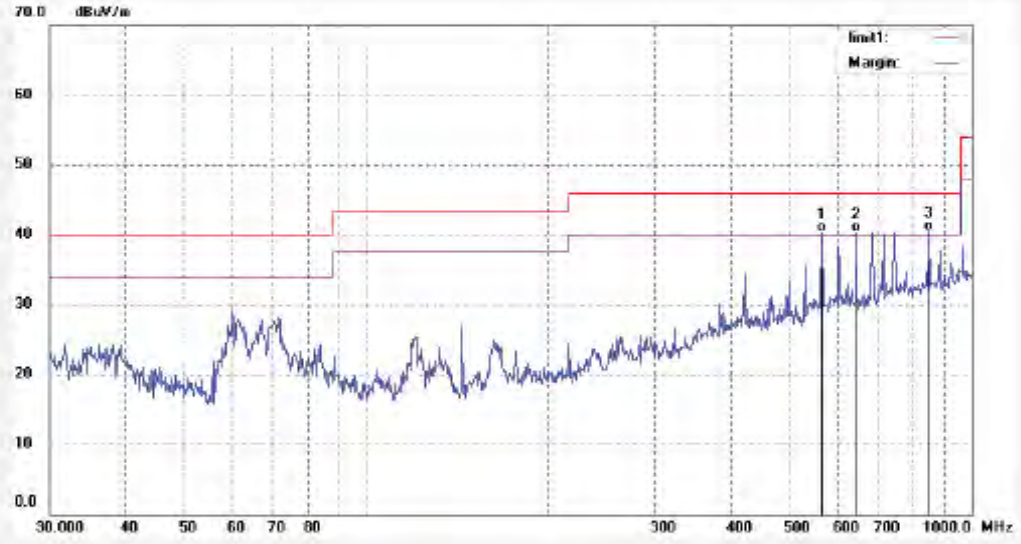
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	14.60	26.08	40.68	46.00	-5.32	QP			
2	747.0467	12.50	27.57	40.07	46.00	-5.93	QP			
3	850.7603	12.28	28.36	40.64	46.00	-5.36	QP			

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

Job No.: Bob #1936
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 11(802.11b)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/58/06
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

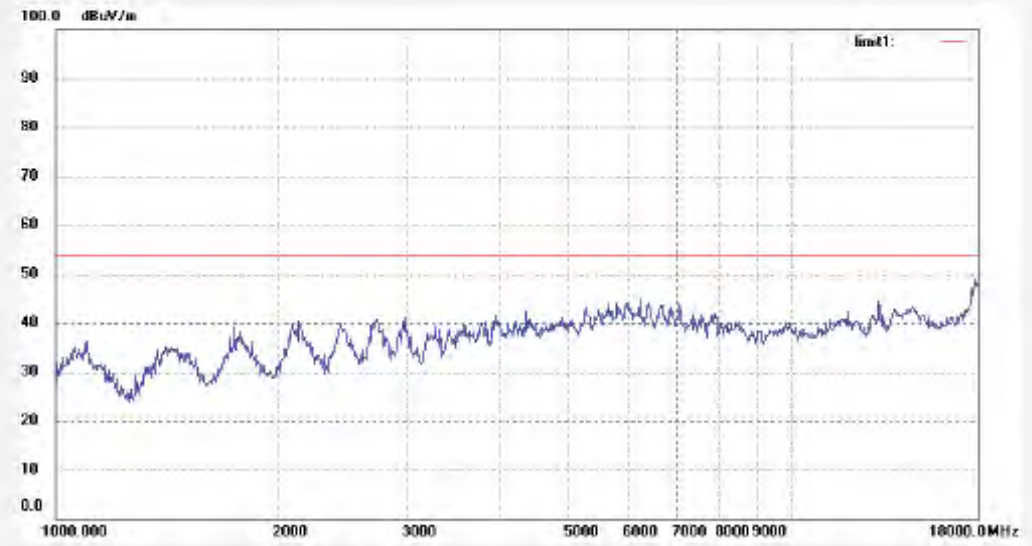


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	15.02	25.27	40.29	46.00	-5.71	QP			
2	644.5531	14.28	26.08	40.36	46.00	-5.64	QP			
3	850.7603	12.11	28.36	40.47	46.00	-5.53	QP			

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

Job No.: Bob #1864	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/35/16
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 11(802.11b)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

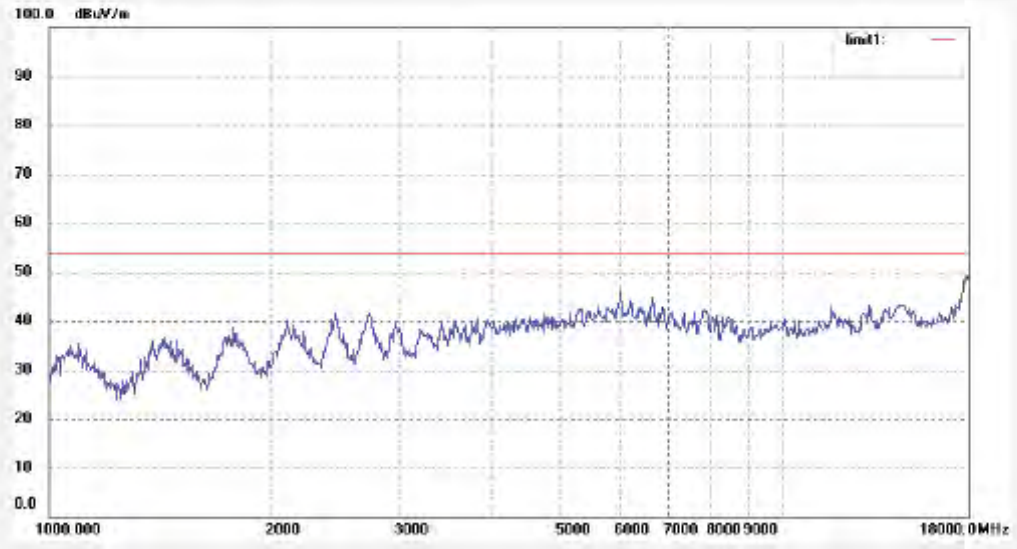


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1865	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/38/57
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 11(802.11b)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

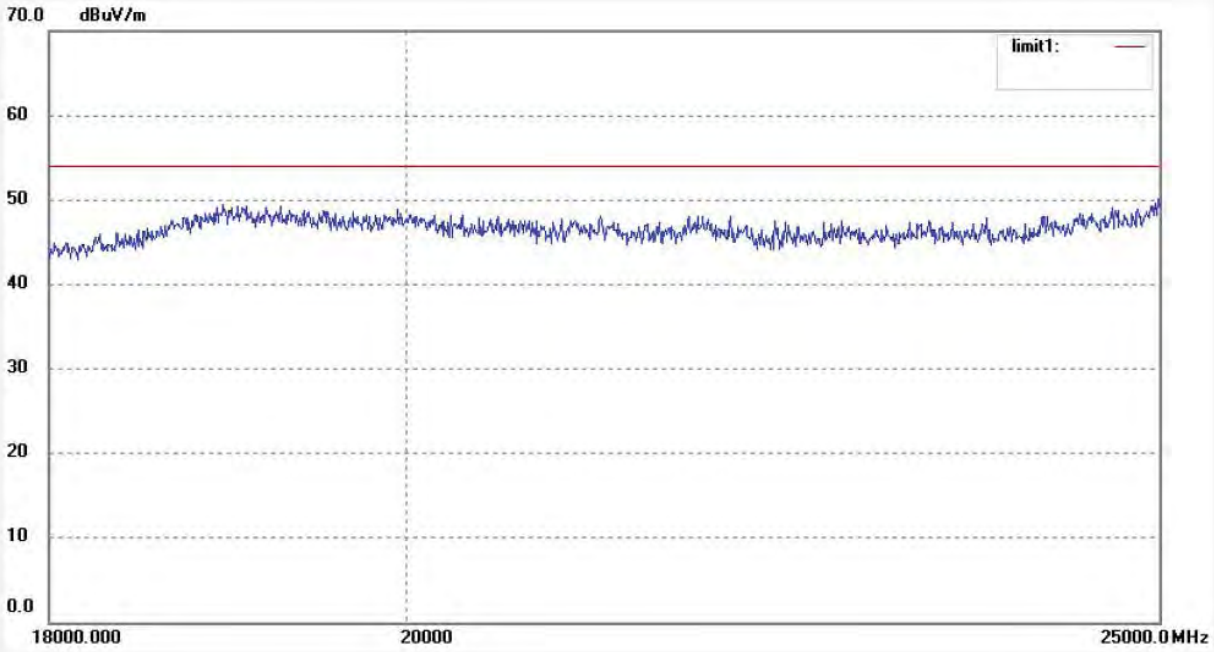


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1605	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:23:55
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 11 (802.11b)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

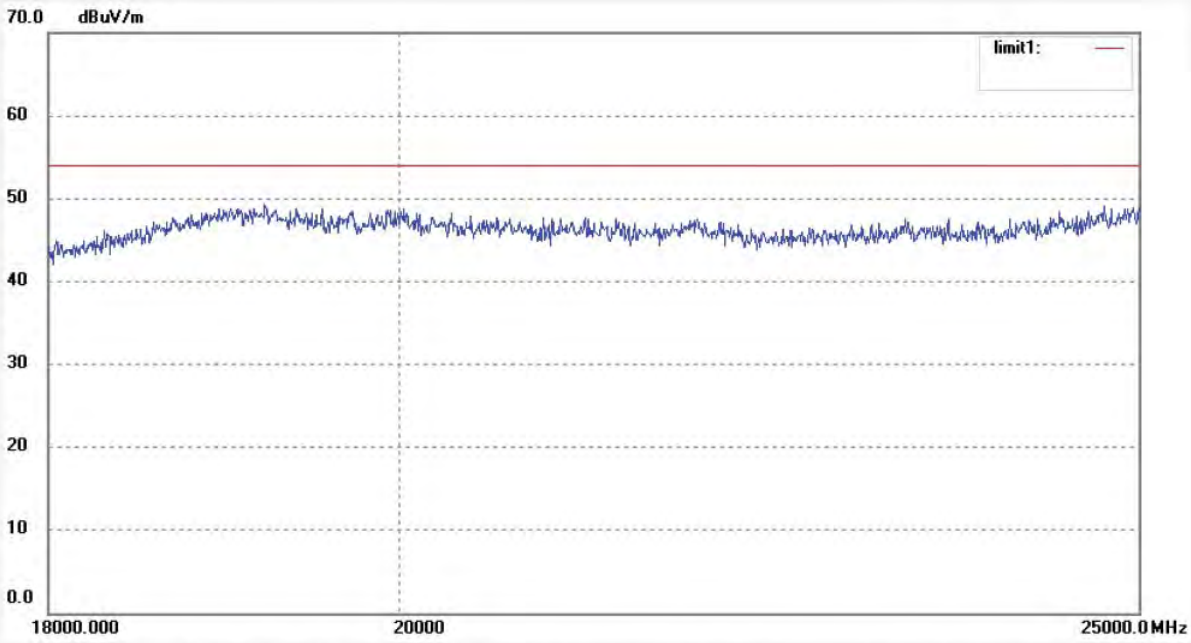


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1606	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:27:11
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 11 (802.11b)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846



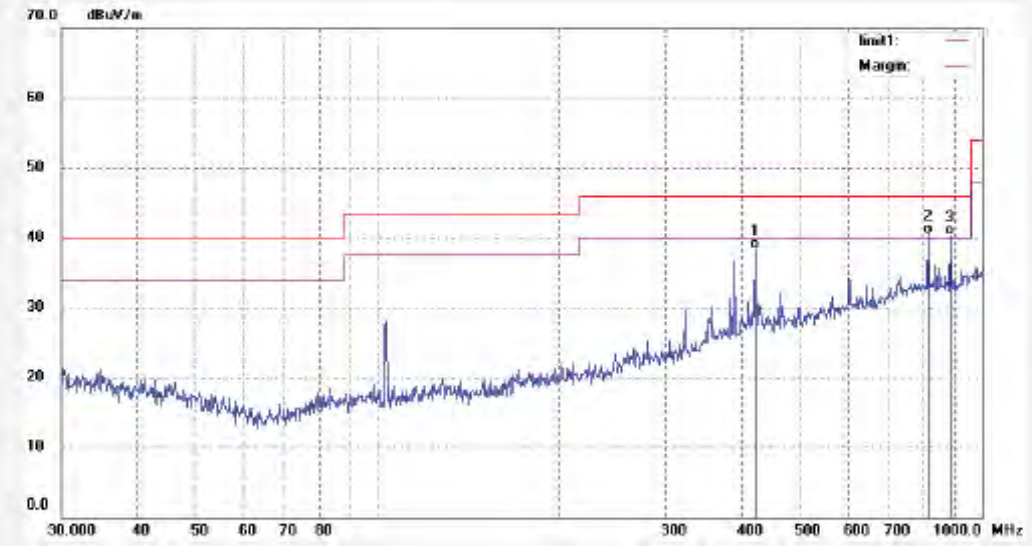
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1926
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 1(802.11g)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/29/35
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



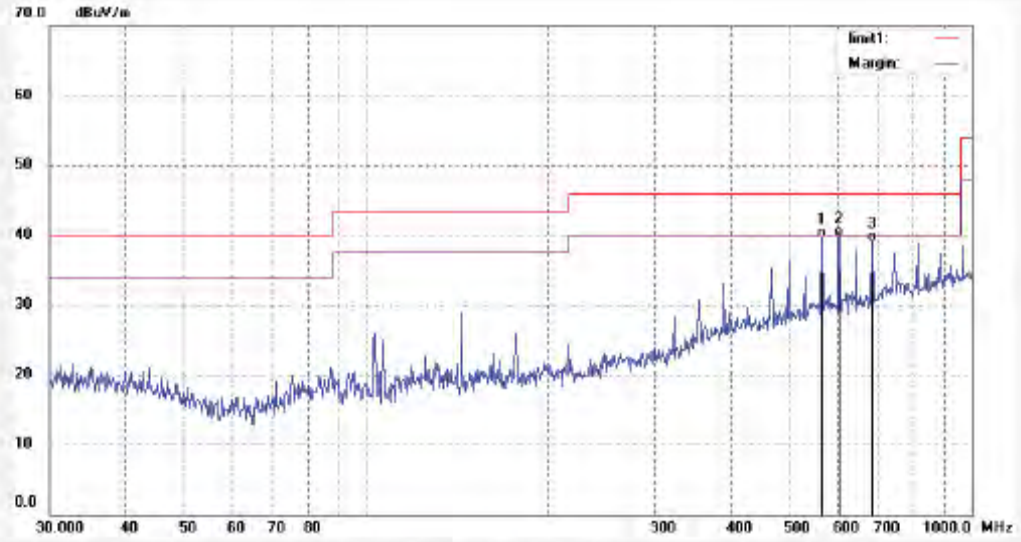
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	421.3287	15.17	23.16	38.33	46.00	-7.67	QP			
2	815.6352	12.54	28.02	40.56	46.00	-5.44	QP			
3	887.3978	11.59	28.77	40.36	46.00	-5.64	QP			

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

Job No.: Bob #1927
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 1(802.11g)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/32/09
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

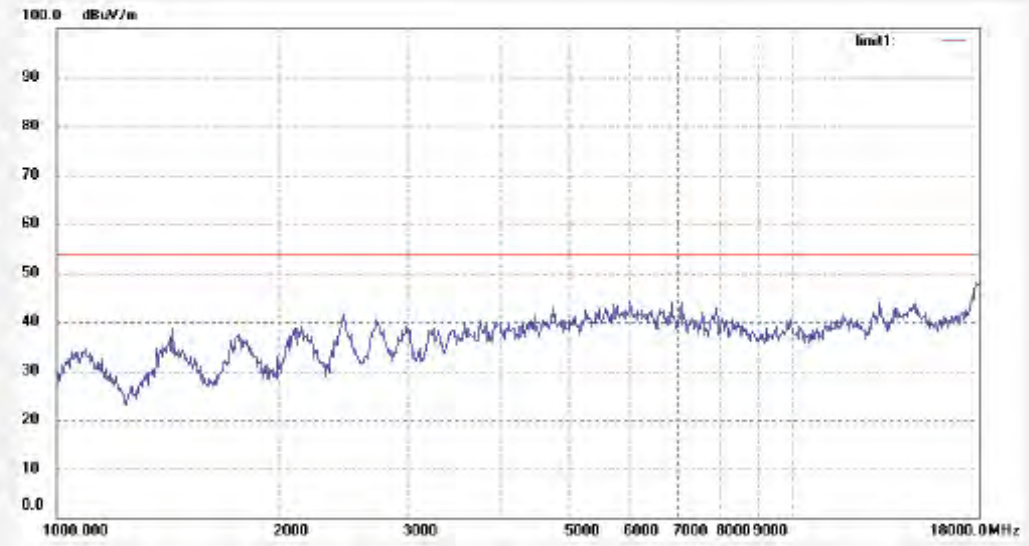


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	14.29	25.27	39.56	46.00	-6.44	QP			
2	605.0509	14.25	25.64	39.89	46.00	-6.11	QP			
3	686.6342	12.79	26.37	39.16	46.00	-6.84	QP			

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

Job No.: Bob #1855	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/05/37
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 1(802.11g)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

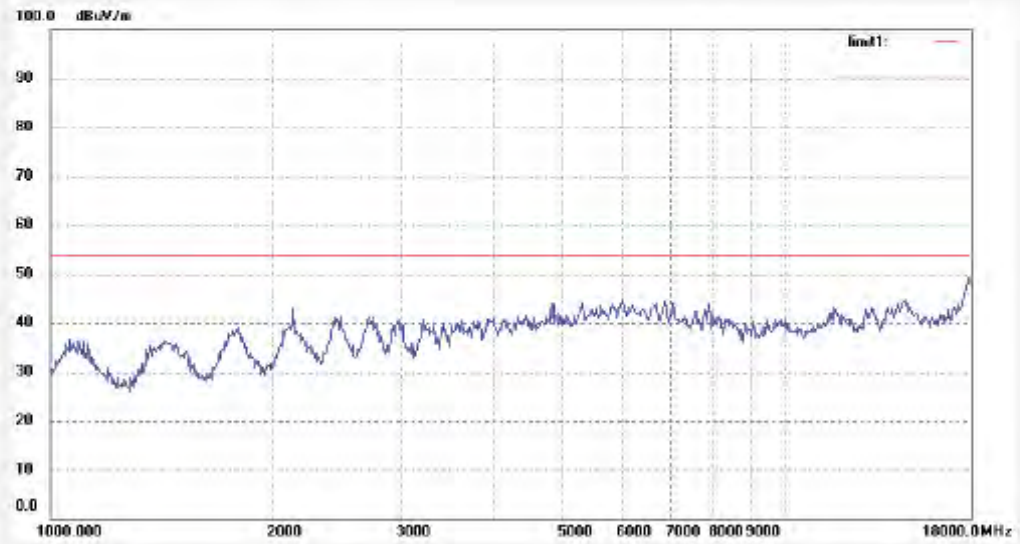


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1854	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/02/30
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 1(802.11g)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

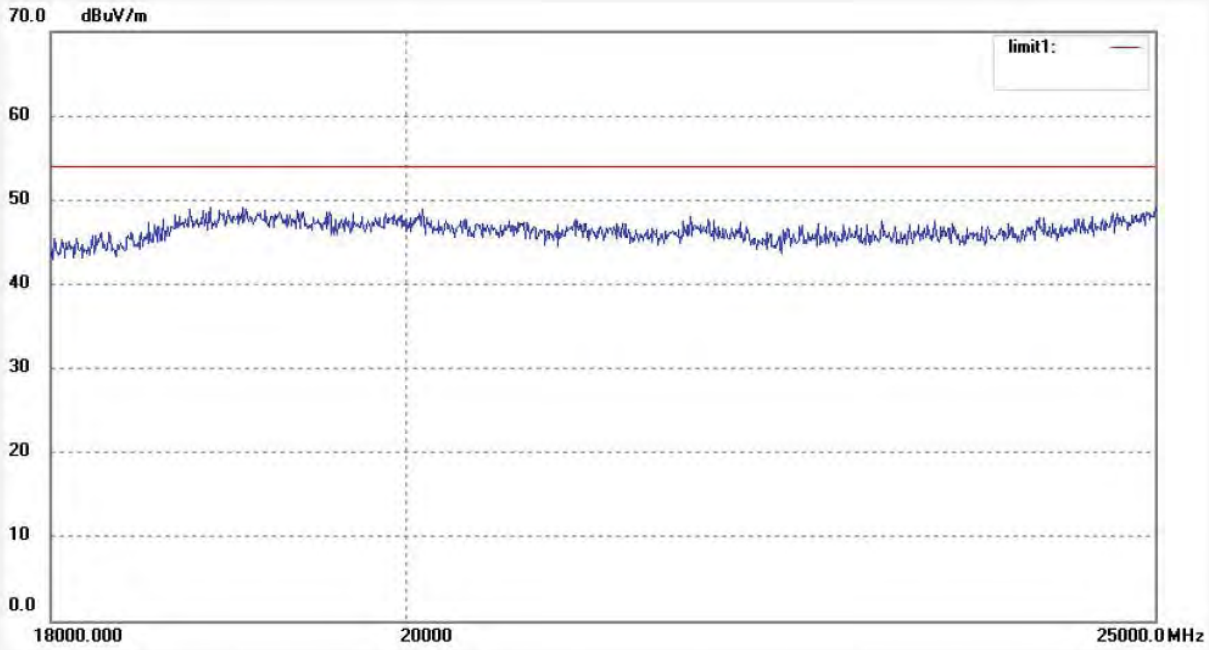


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1608	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:35:56
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 1 (802.11g)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

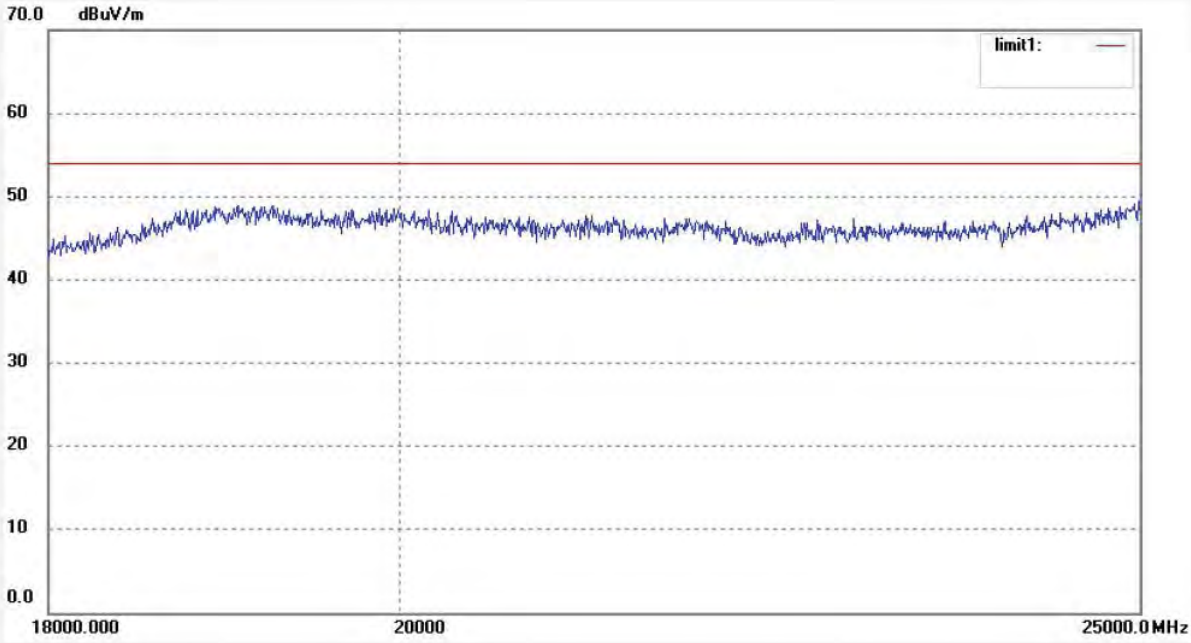


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1607	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:32:05
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 1 (802.11g)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846



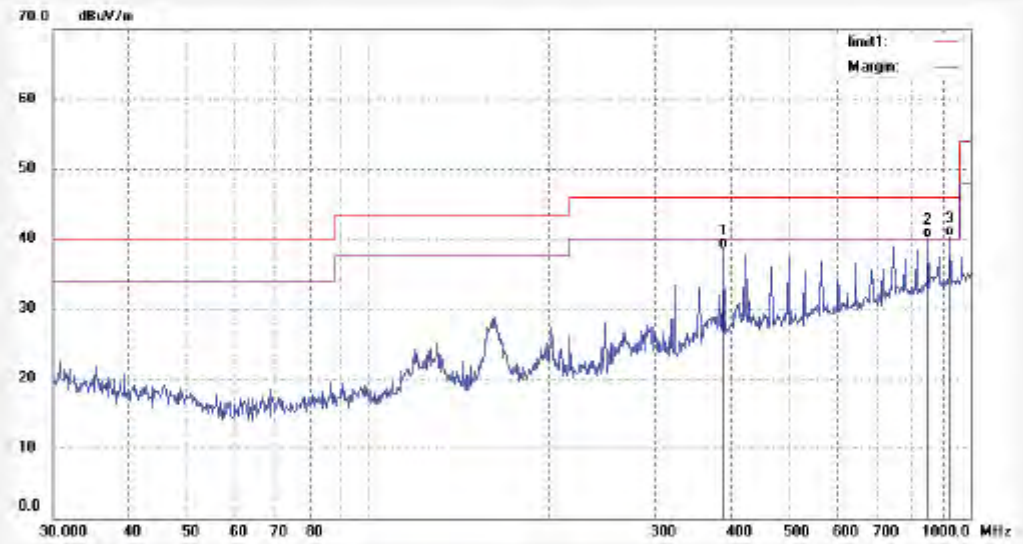
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1933
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 6(802.11g)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/50/02
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



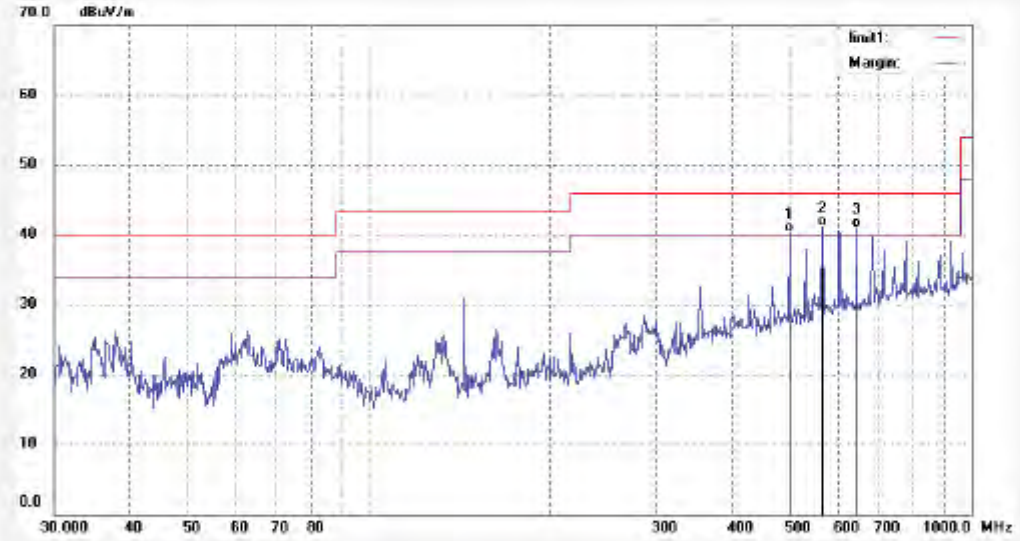
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	389.9874	16.70	21.88	38.58	46.00	-7.42	QP			
2	850.7603	11.78	28.36	40.14	46.00	-5.86	QP			
3	925.6132	11.26	29.16	40.42	46.00	-5.58	QP			

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

Job No.: Bob #1932
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 6(802.11g)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/47/22
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

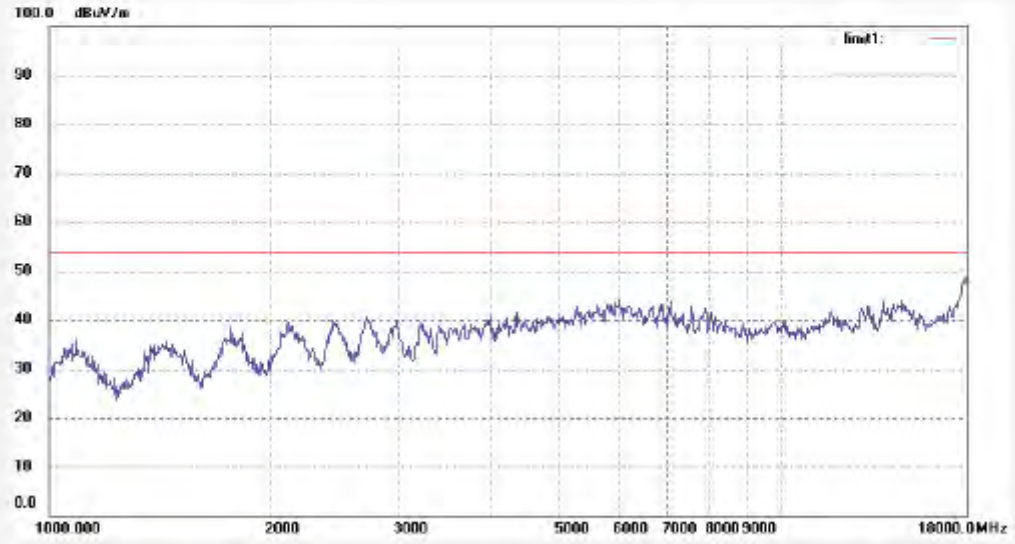


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	498.7303	16.33	23.98	40.31	46.00	-5.69	QP			
2	565.9776	15.86	25.27	41.13	46.00	-4.87	QP			
3	644.5531	14.95	26.08	41.03	46.00	-4.97	QP			

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

Job No.: Bob #1860	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/22/38
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 6(802.11g)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

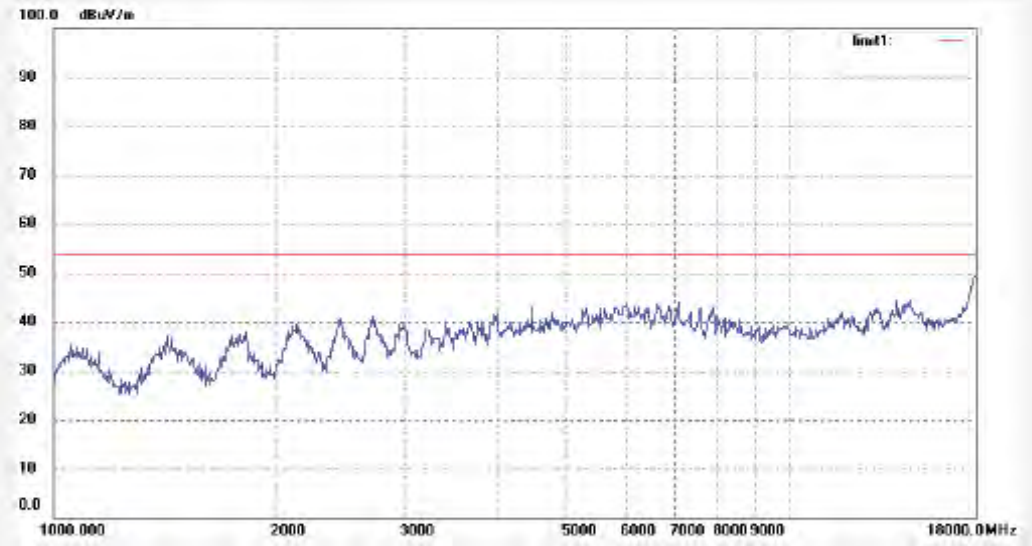


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1861	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/25/22
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 6(802.11g)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

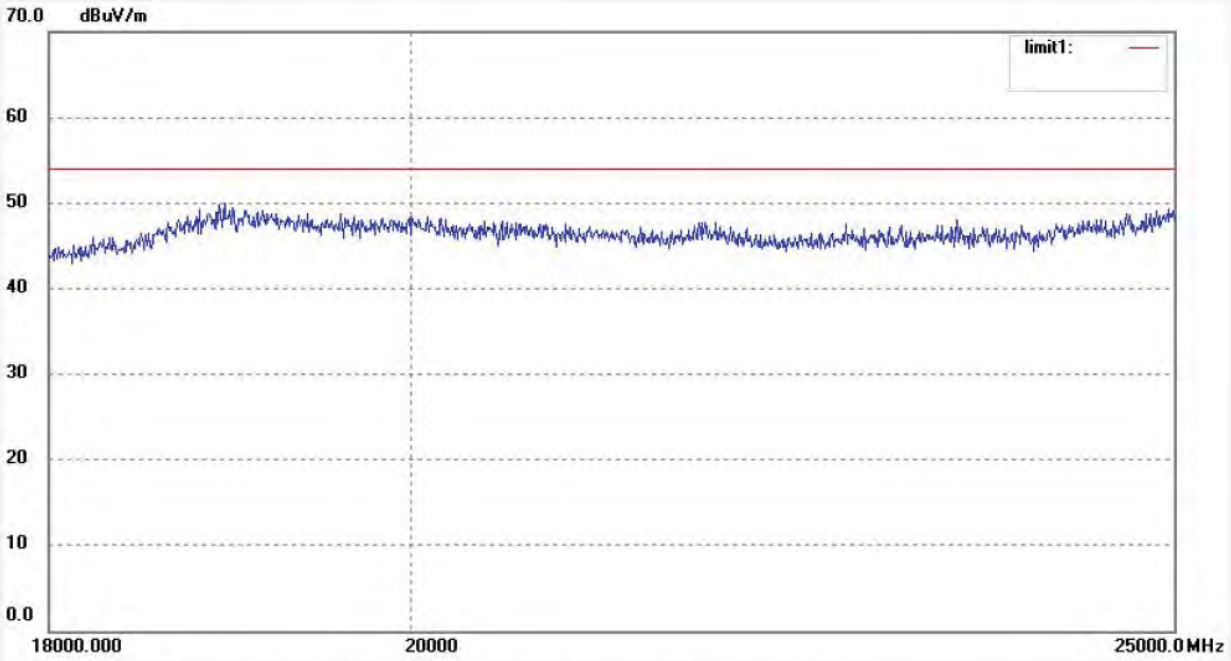


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1609	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:38:38
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 6 (802.11g)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

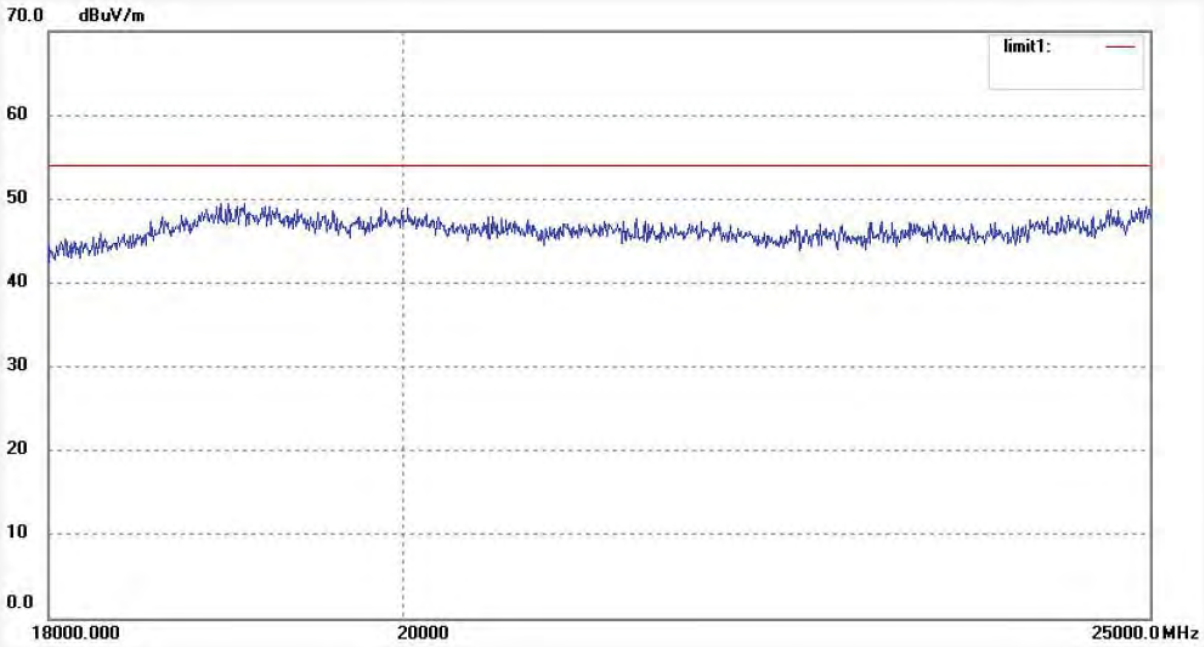


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1610	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:43:17
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 6 (802.11g)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846



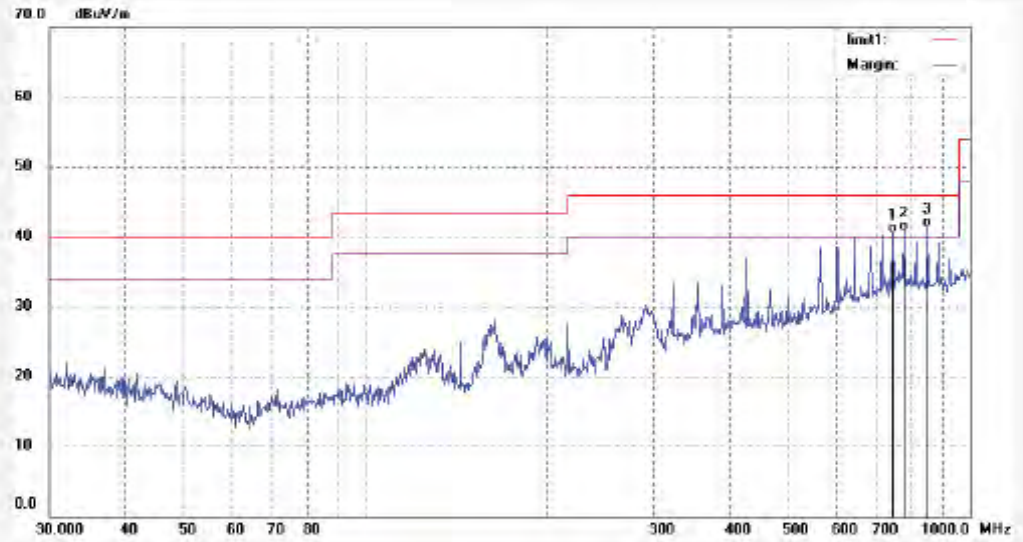
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1938
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 11(802.11g)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 11/05/16
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



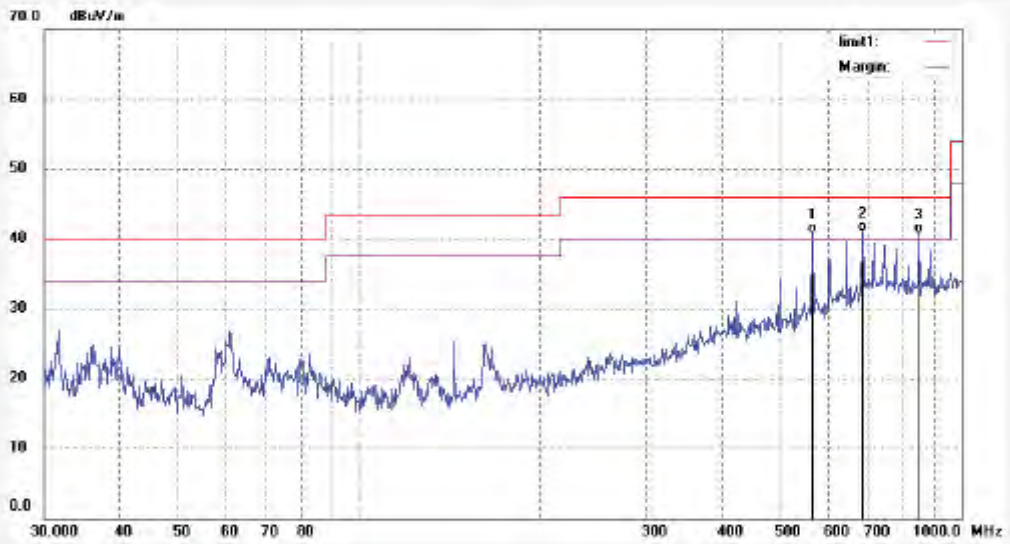
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	747.0467	12.99	27.57	40.56	46.00	-5.44	QP			
2	779.2179	13.02	27.83	40.85	46.00	-5.15	QP			
3	850.7603	13.03	28.36	41.39	46.00	-4.61	QP			

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

Job No.: Bob #1939
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 11(802.11g)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 11/08/46
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

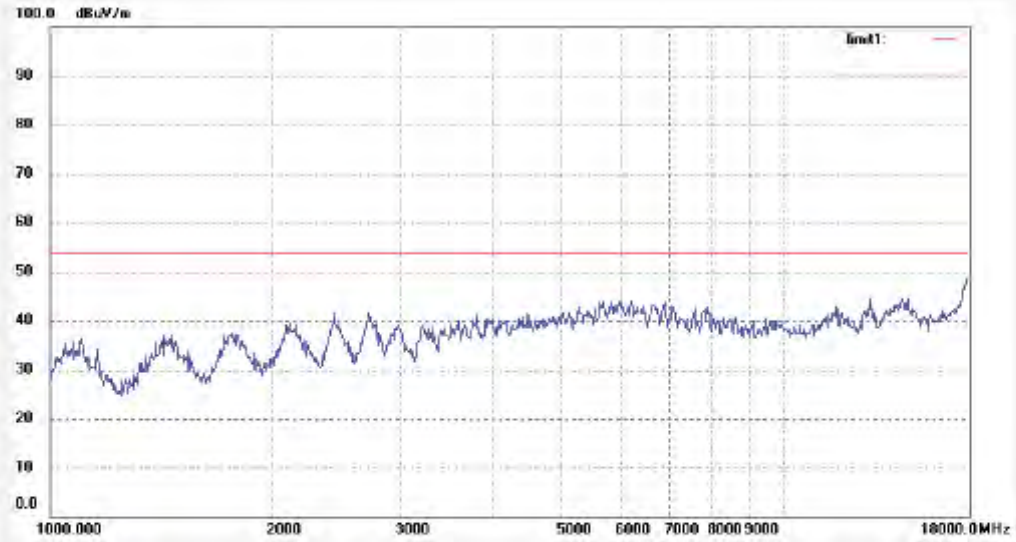


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	15.66	25.27	40.93	46.00	-5.07	QP			
2	686.6342	14.60	26.37	40.97	46.00	-5.03	QP			
3	850.7603	12.50	28.36	40.86	46.00	-5.14	QP			

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

Job No.: Bob #1867	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/44/11
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 11(802.11g)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

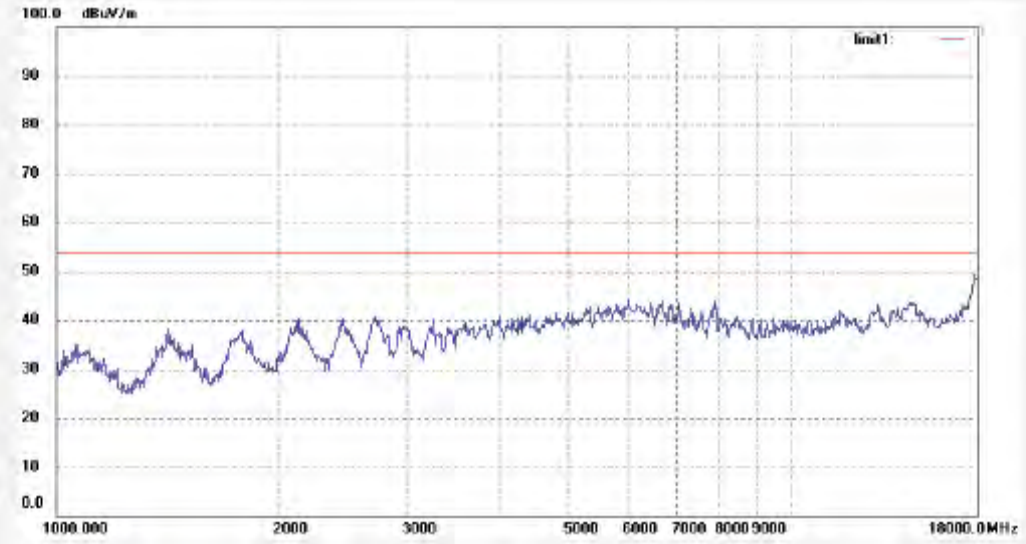


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1866	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/41/20
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 11(802.11g)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

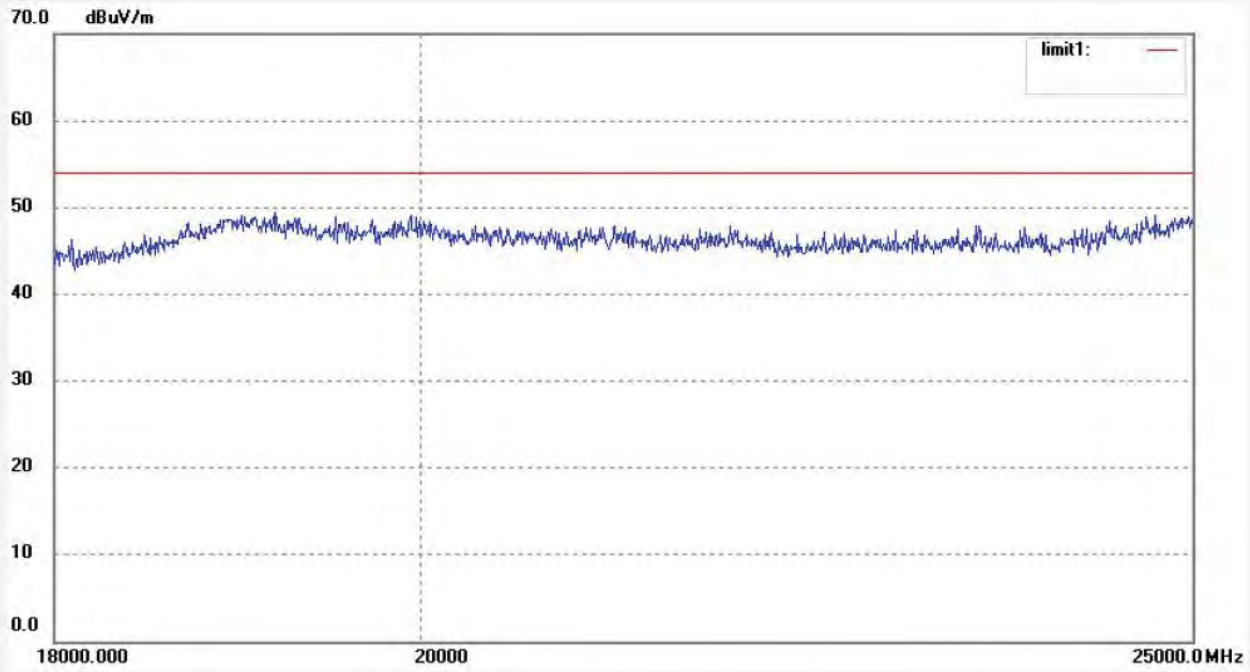


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1612	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:50:47
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

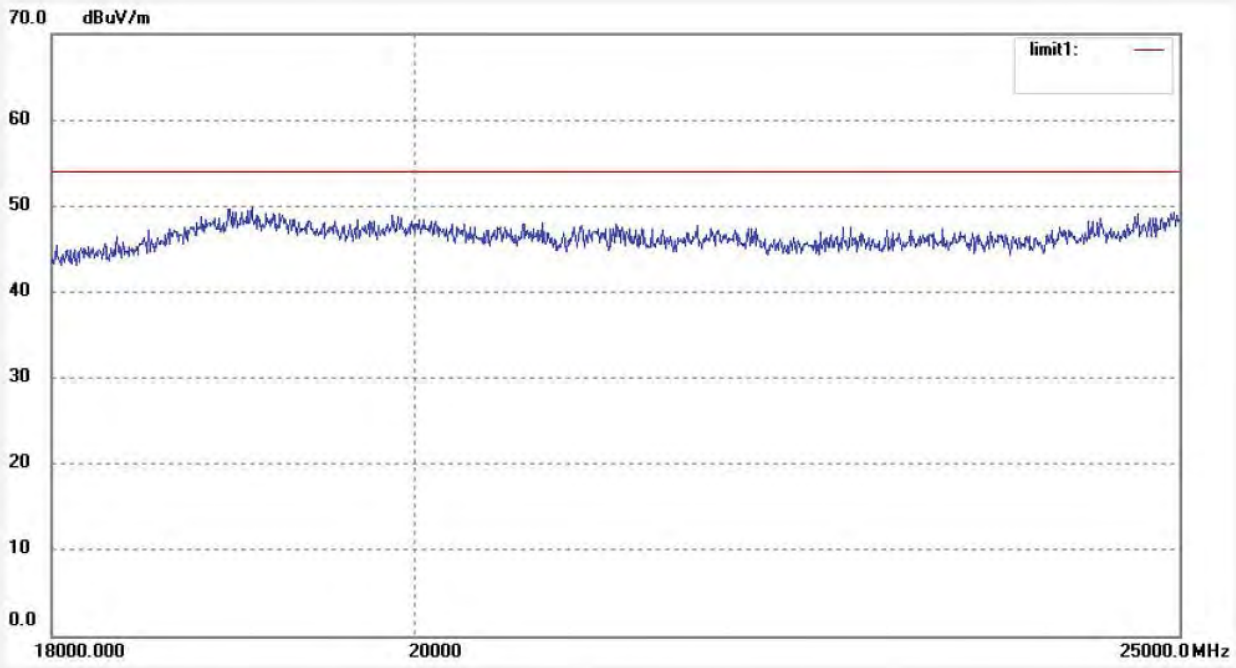


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1611	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:47:55
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846



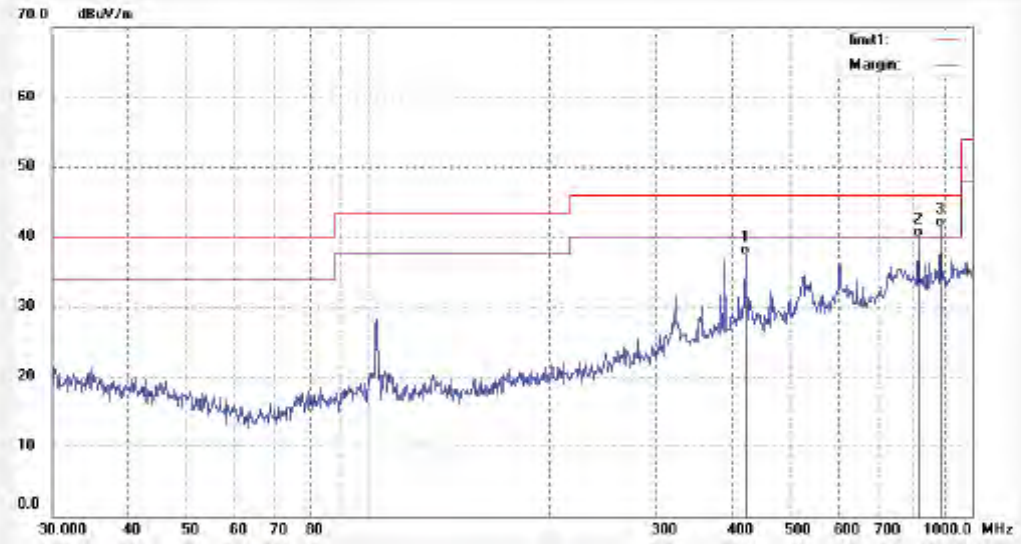
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1929
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 1(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/38/35
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



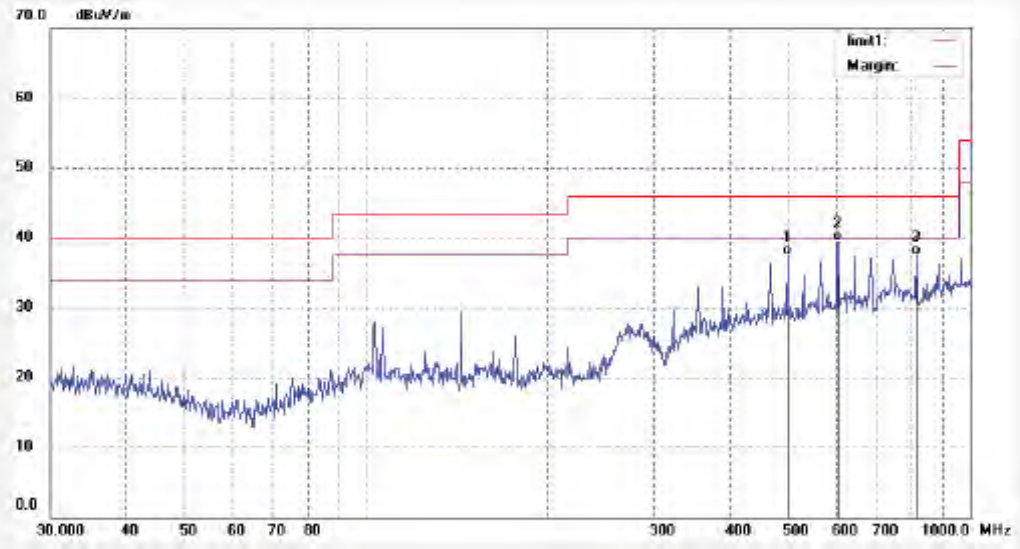
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	421.3287	14.17	23.16	37.33	46.00	-8.67	QP			
2	815.6352	12.04	28.02	40.06	46.00	-5.94	QP			
3	887.3976	12.59	28.77	41.36	46.00	-4.64	QP			

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

Job No.: Bob #1928
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 1(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/35/09
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

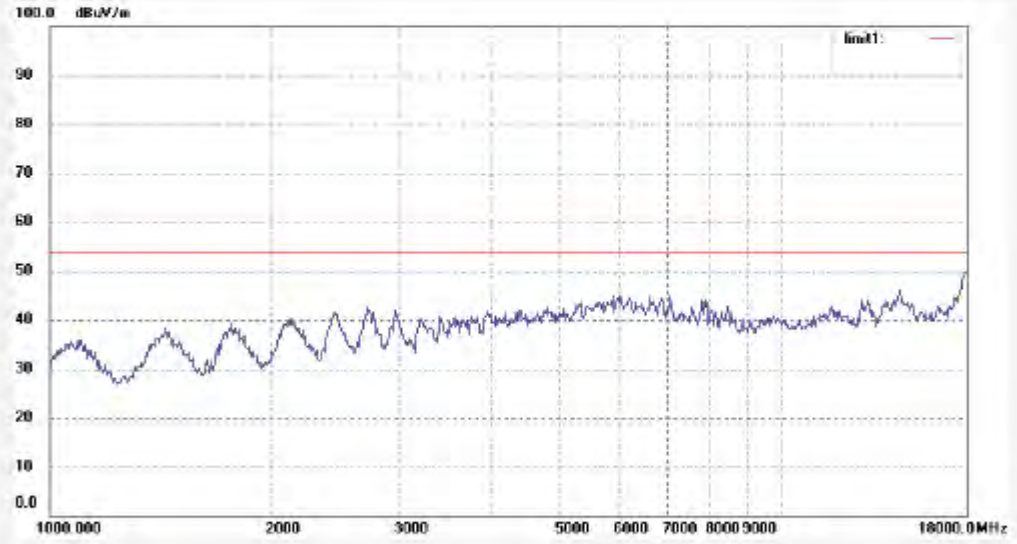


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	498.7302	13.56	23.98	37.54	46.00	-8.46	QP			
2	605.0507	13.75	25.64	39.39	46.00	-6.61	QP			
3	815.6352	9.46	28.02	37.48	46.00	-8.52	QP			

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

Job No.: Bob #1856	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/09/29
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 1(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

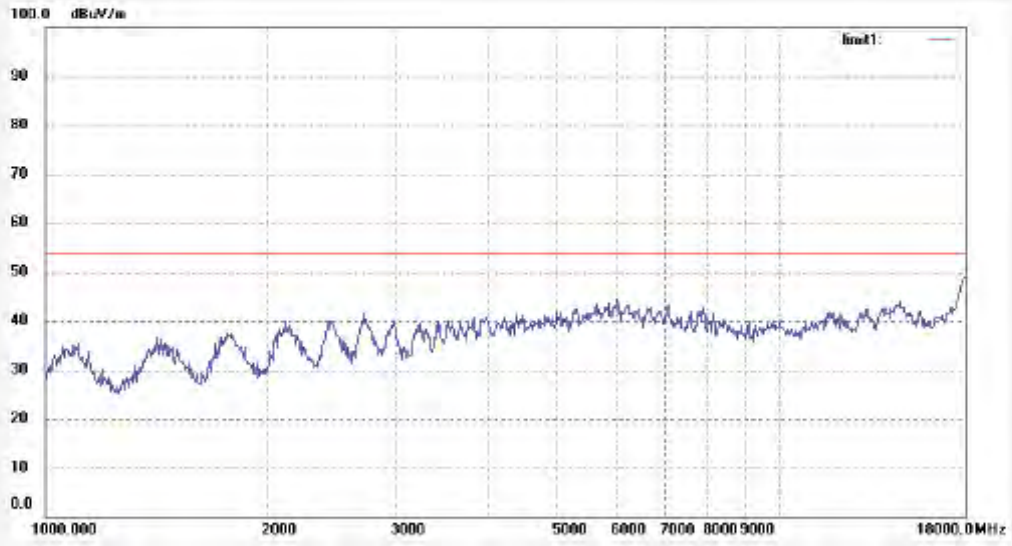


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1857	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/12/15
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 1(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

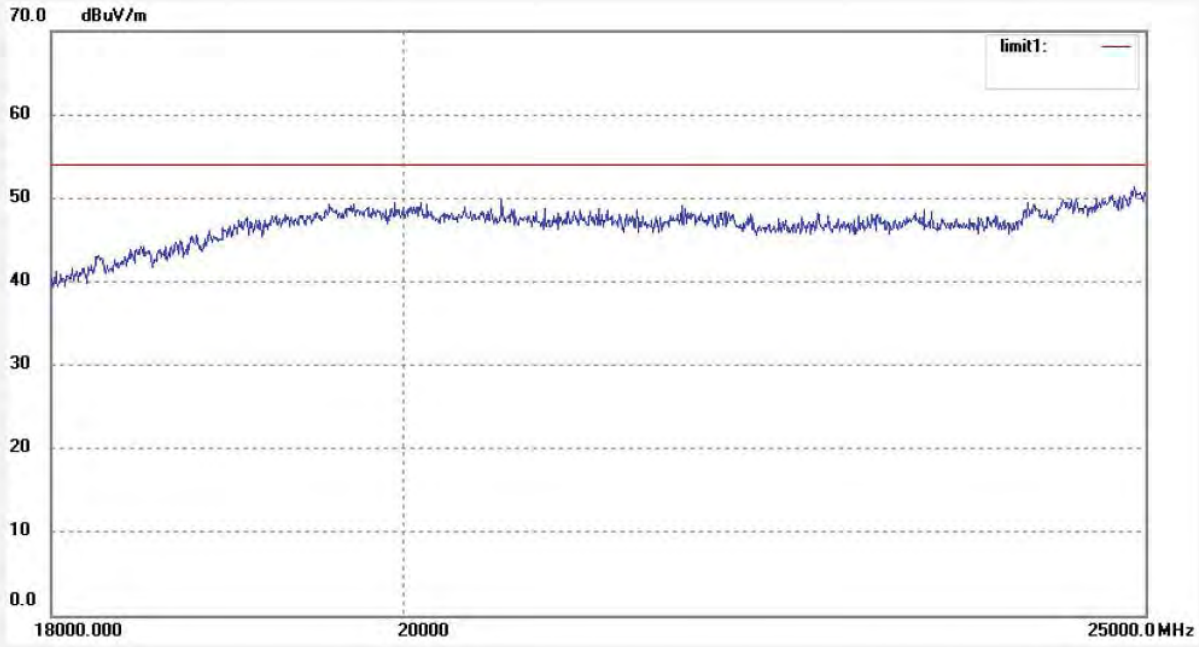


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1617	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 11:09:37
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 1 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

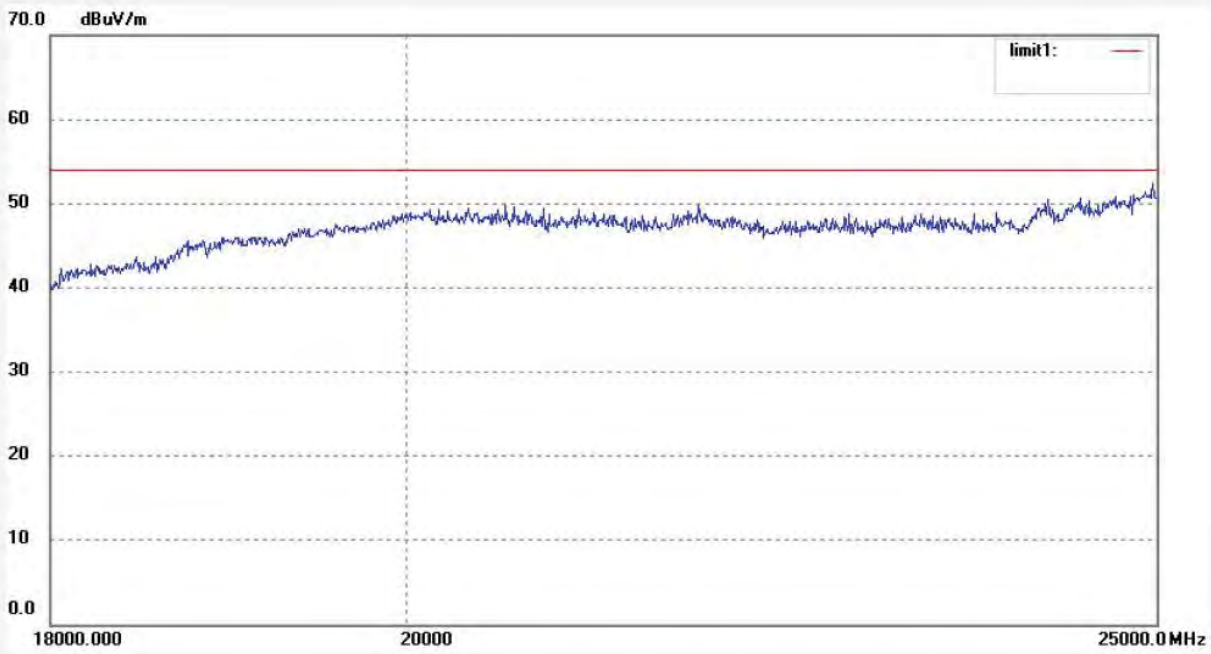


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1618	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 11:14:41
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 1 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846



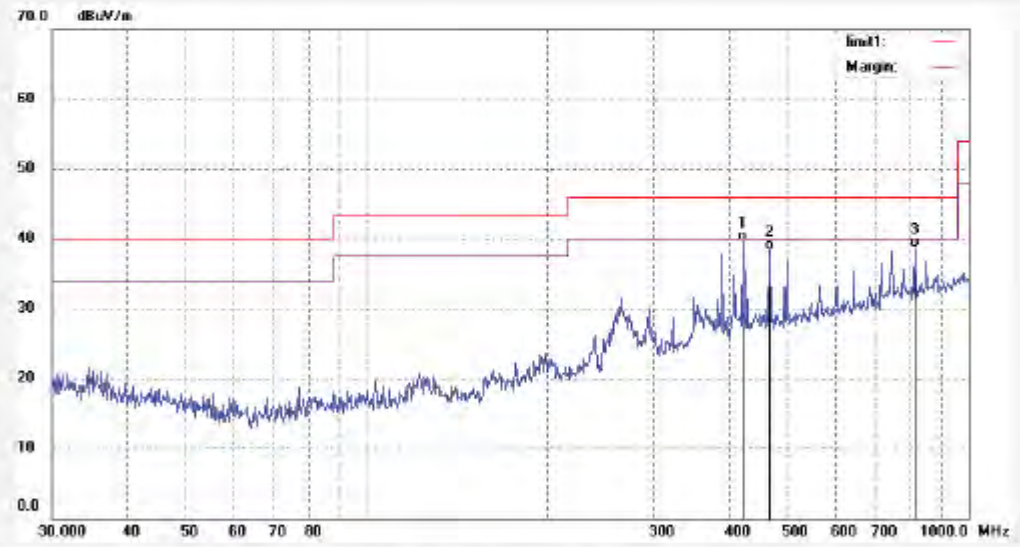
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1930
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 6(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/41/46
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



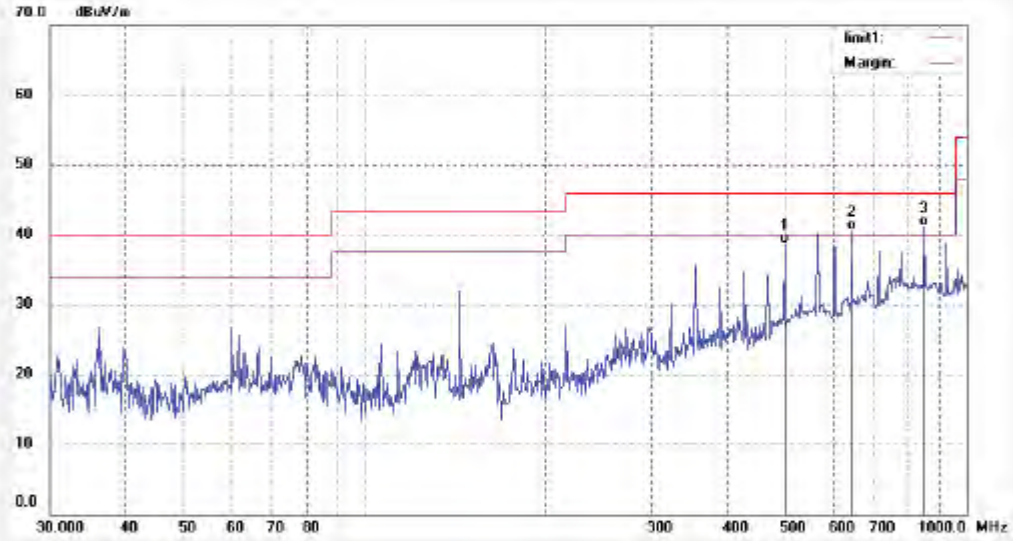
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	421.3287	16.41	23.16	39.57	46.00	-6.43	QP			
2	468.1650	14.81	23.55	38.36	46.00	-7.64	QP			
3	815.6352	10.67	28.02	38.69	46.00	-7.31	QP			

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

Job No.: Bob #1931
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 6(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 10/44/24
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

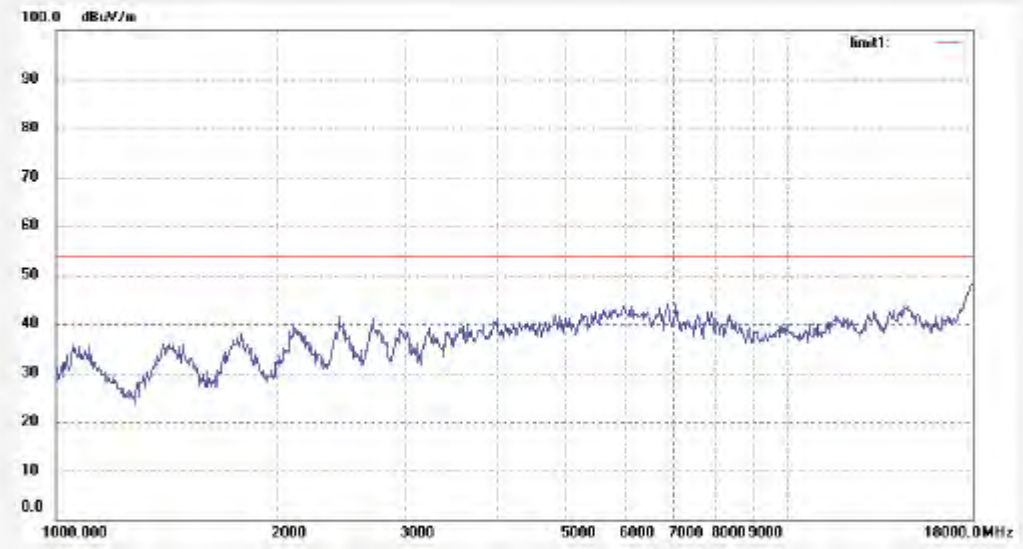


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	498.7303	14.85	23.98	38.83	46.00	-7.17	QP			
2	644.5531	14.63	26.08	40.71	46.00	-5.29	QP			
3	850.7603	12.92	28.36	41.28	46.00	-4.72	QP			

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

Job No.: Bob #1863	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/32/54
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 6(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

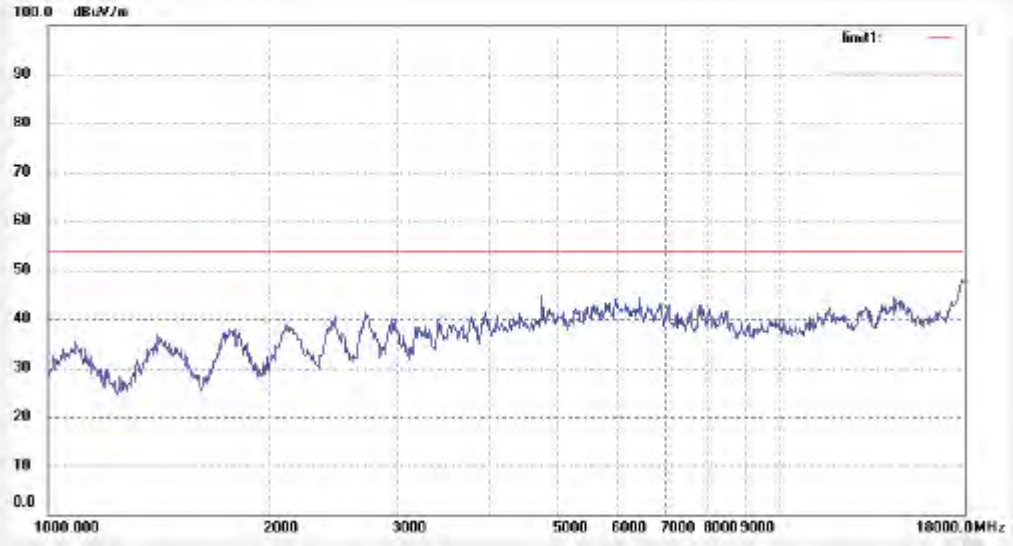


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1862	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/28/51
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 6(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

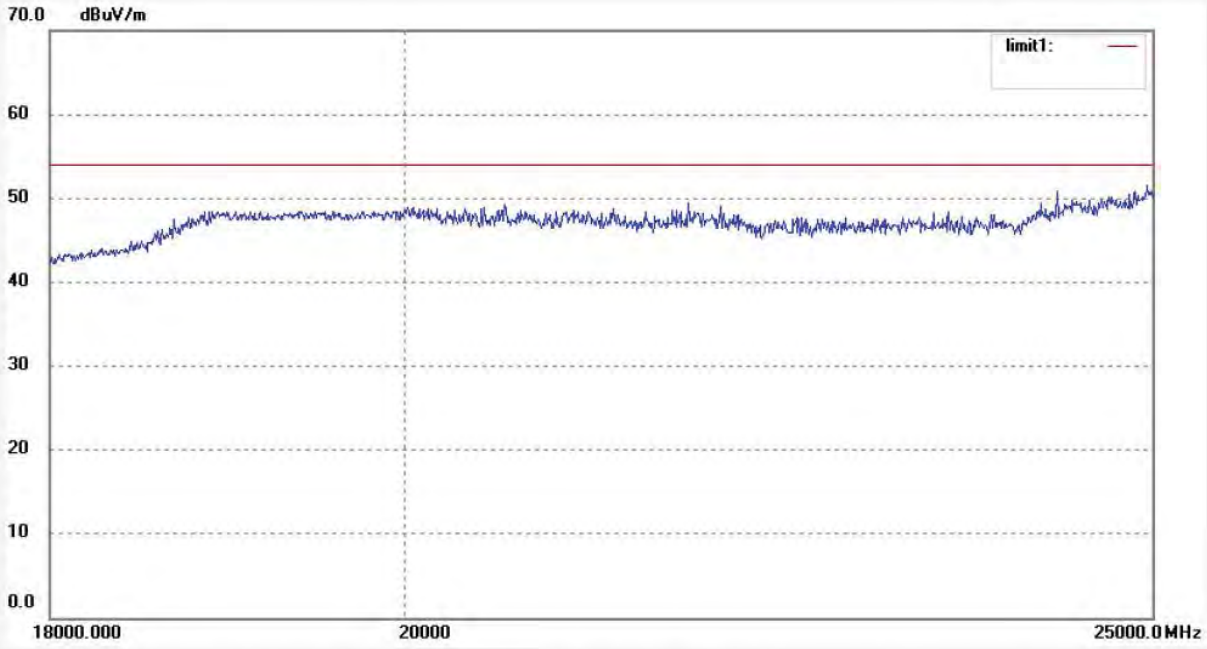


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1616	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 11:05:58
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 6 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

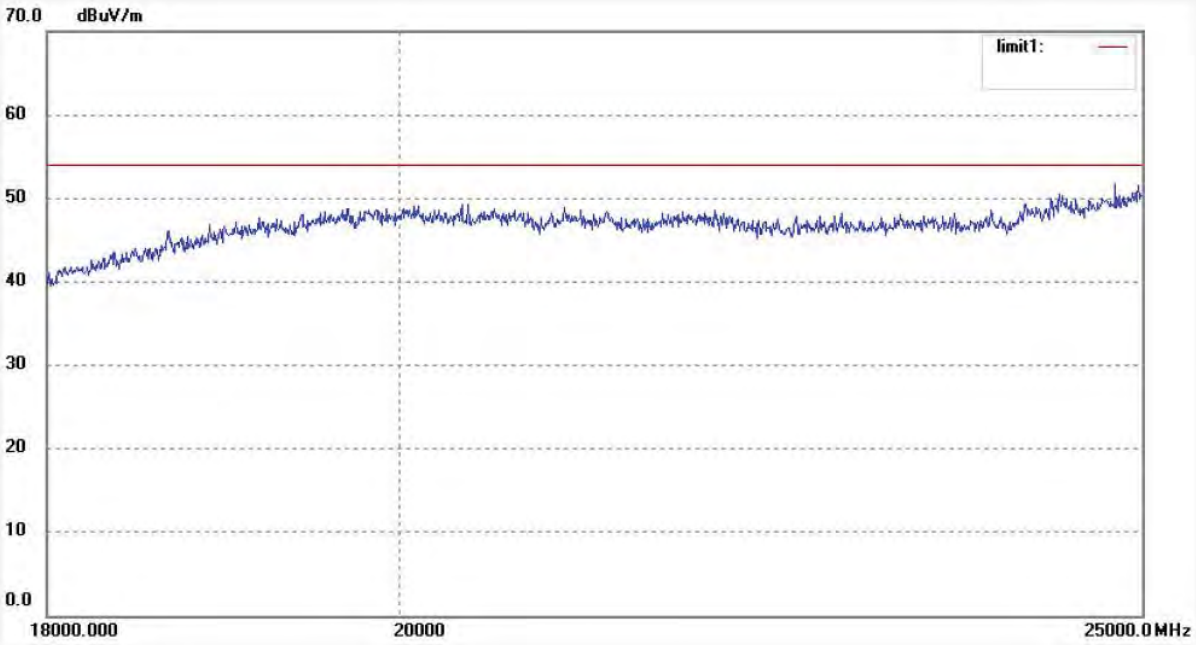


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1615	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 11:02:36
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 6 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846



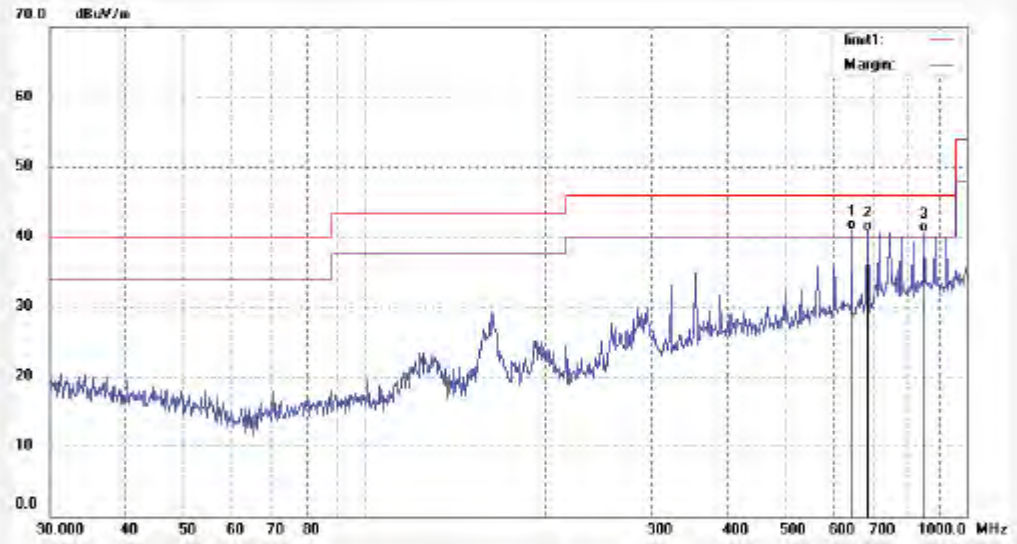
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1941
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 11(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 11/14/57
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



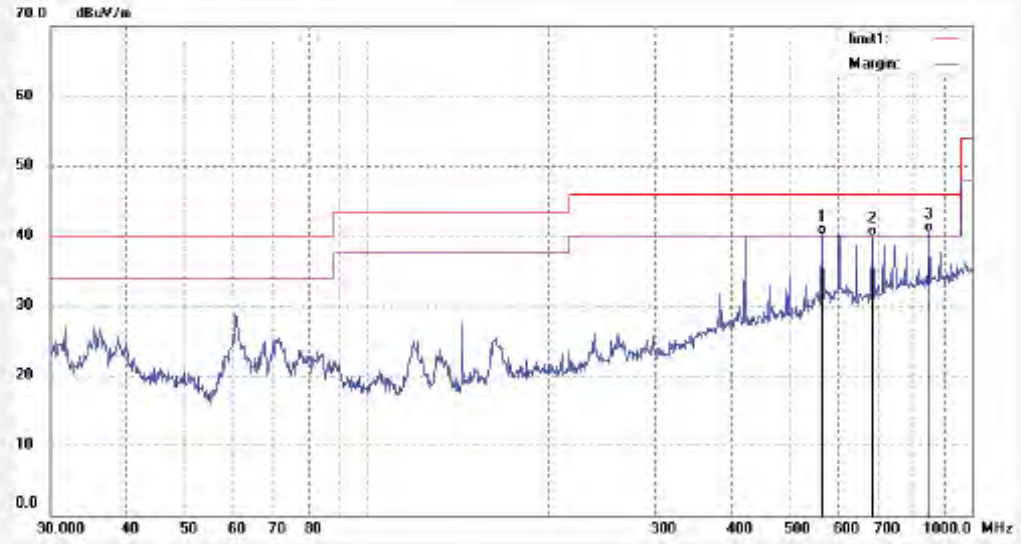
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	14.93	26.08	41.01	46.00	-4.99	QP			
2	686.6342	14.47	26.37	40.84	46.00	-5.16	QP			
3	850.7603	12.27	28.36	40.63	46.00	-5.37	QP			

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

Job No.: Bob #1940
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 11(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 12/05/12/
Time: 11/11/21
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

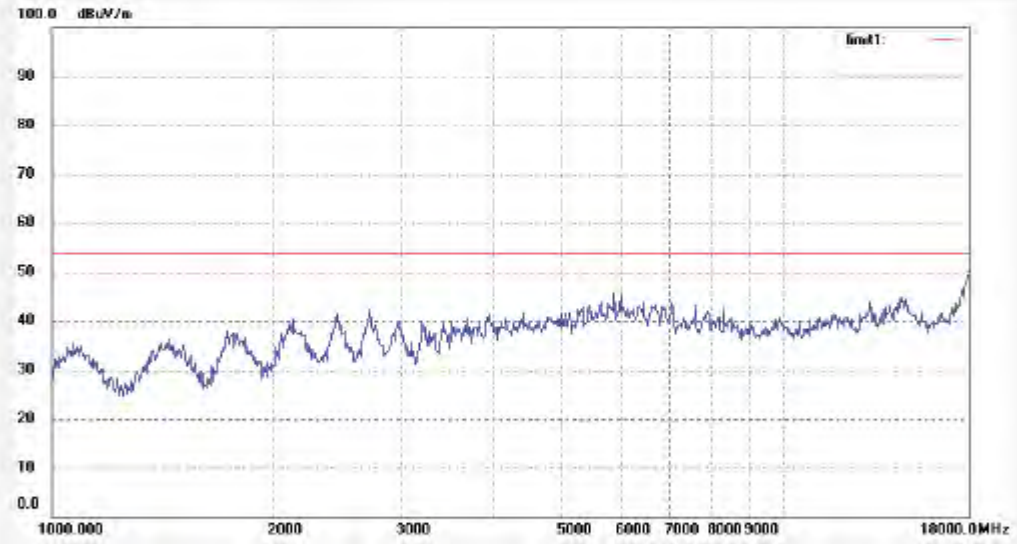


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	14.87	25.27	40.14	46.00	-5.86	QP			
2	686.6342	13.67	26.37	40.04	46.00	-5.96	QP			
3	850.7603	12.19	28.36	40.55	46.00	-5.45	QP			

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

Job No.: Bob #1868	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/47/34
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 11(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

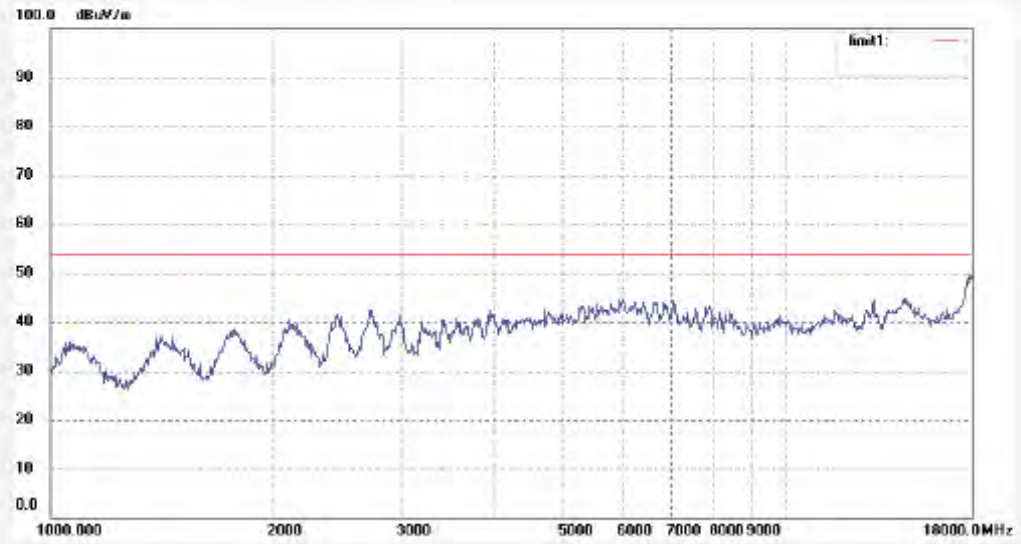


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1869	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/50/48
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 11(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

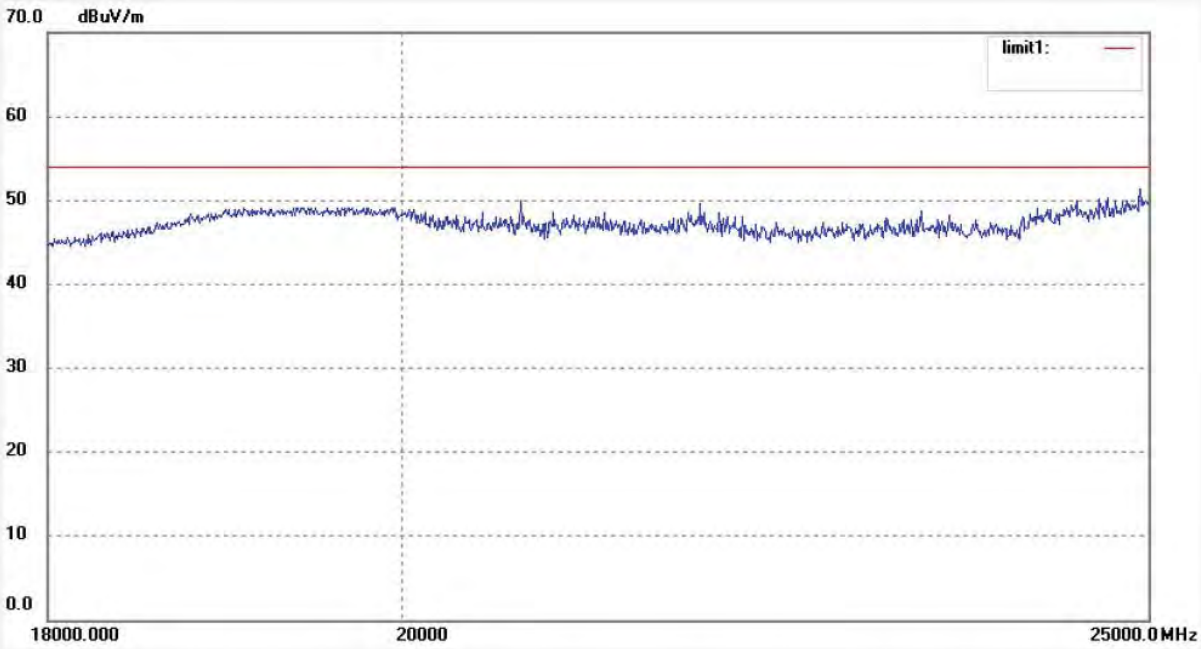


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1613	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 10:53:17
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 11 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

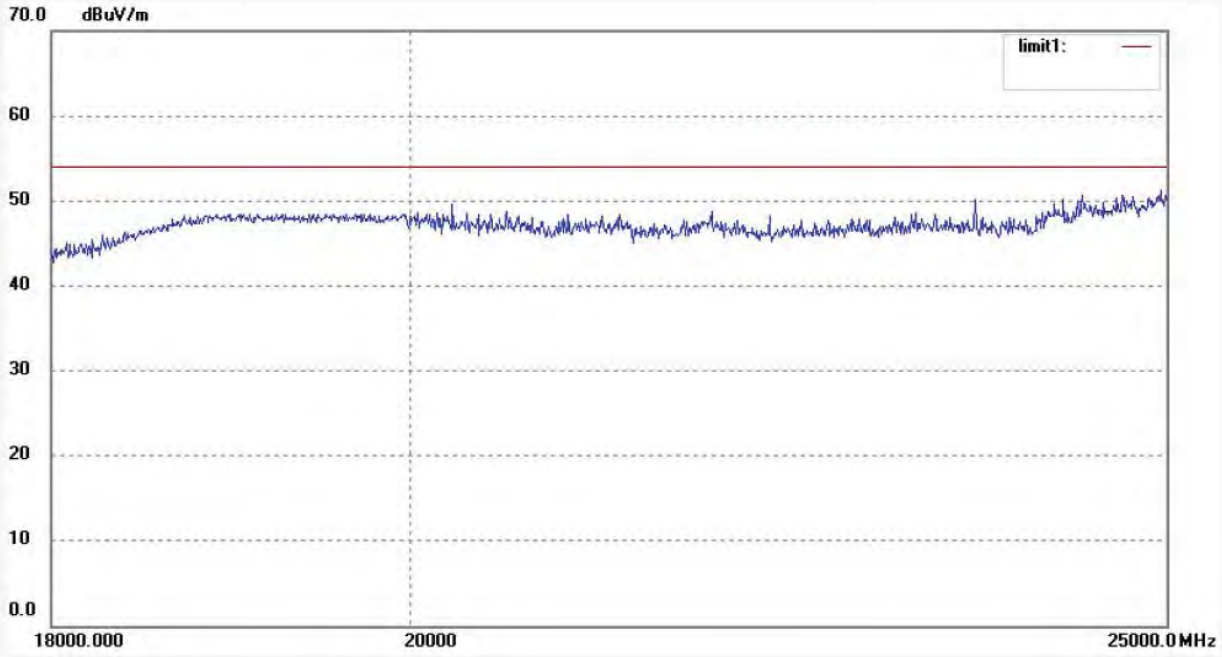


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1614	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/4
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 10:57:05
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 11 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

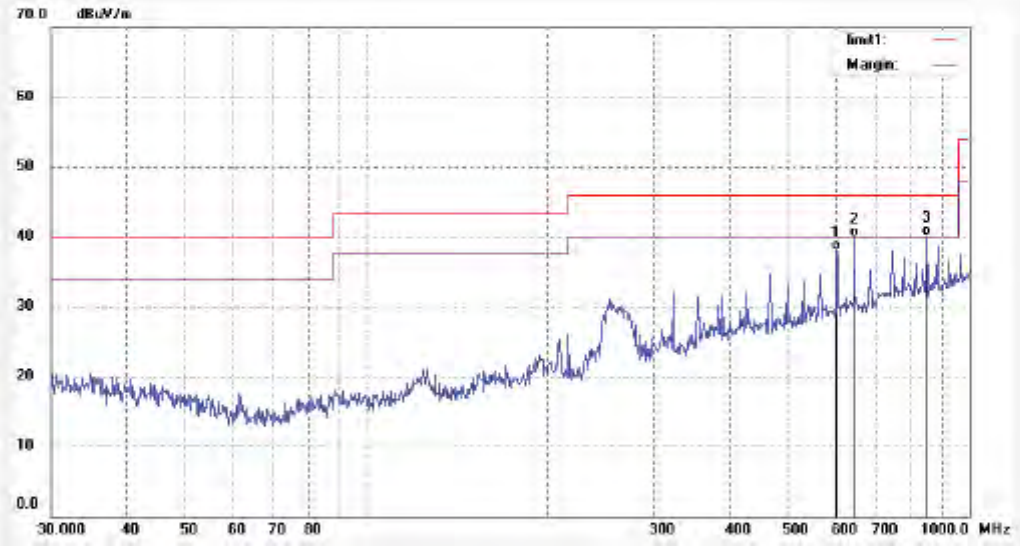


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #2009	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/05/12
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:44:26
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 3(802.11n)	Distance: 3m
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847



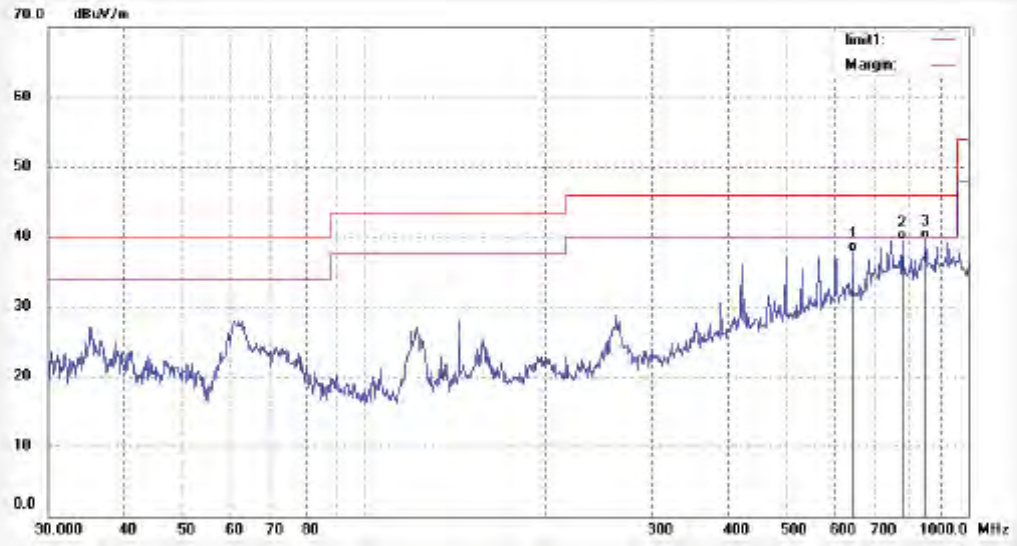
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	602.9287	12.42	25.59	38.01	46.00	-7.99	QP			
2	644.5531	13.94	26.08	40.02	46.00	-5.98	QP			
3	850.7603	11.81	28.36	40.17	46.00	-5.83	QP			

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

Job No.: Bob #2010
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 3(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2012/05/12
Time: 20:47:05
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

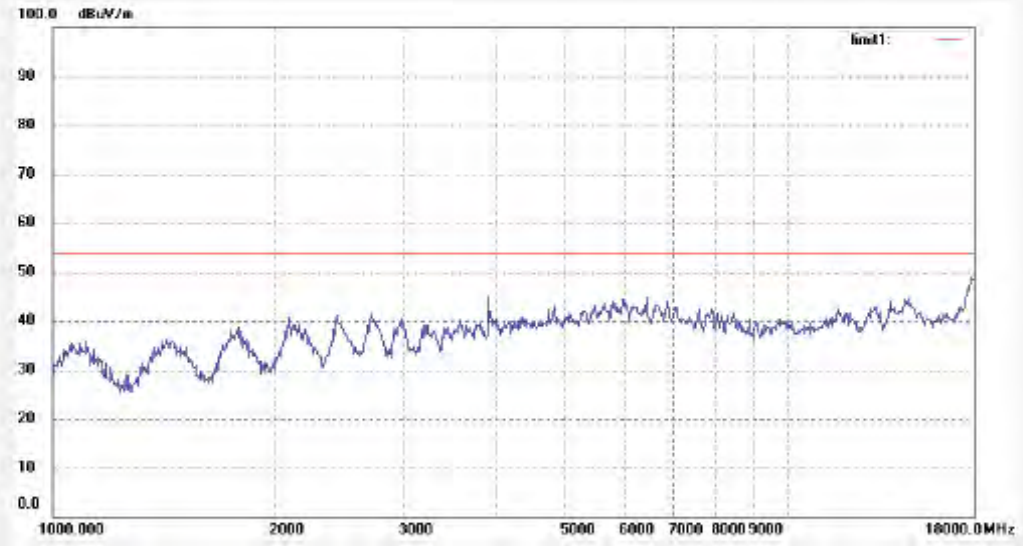


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	11.76	26.08	37.84	46.00	-8.16	QP			
2	779.2179	11.58	27.83	39.41	46.00	-6.59	QP			
3	850.7603	11.27	28.36	39.63	46.00	-6.37	QP			

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

Job No.: Bob #1871	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/56/18
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 3(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

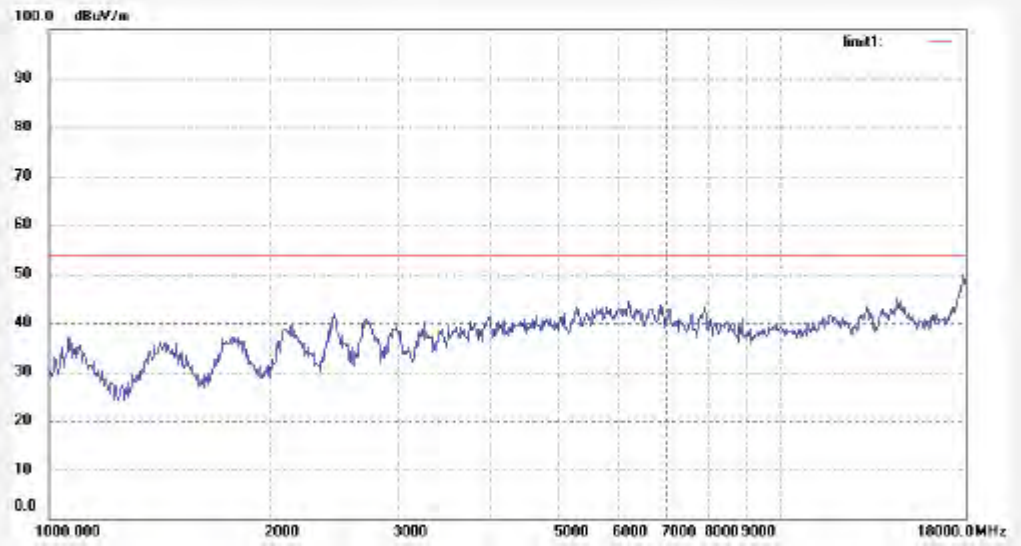


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1870	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9/53/21
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 3(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

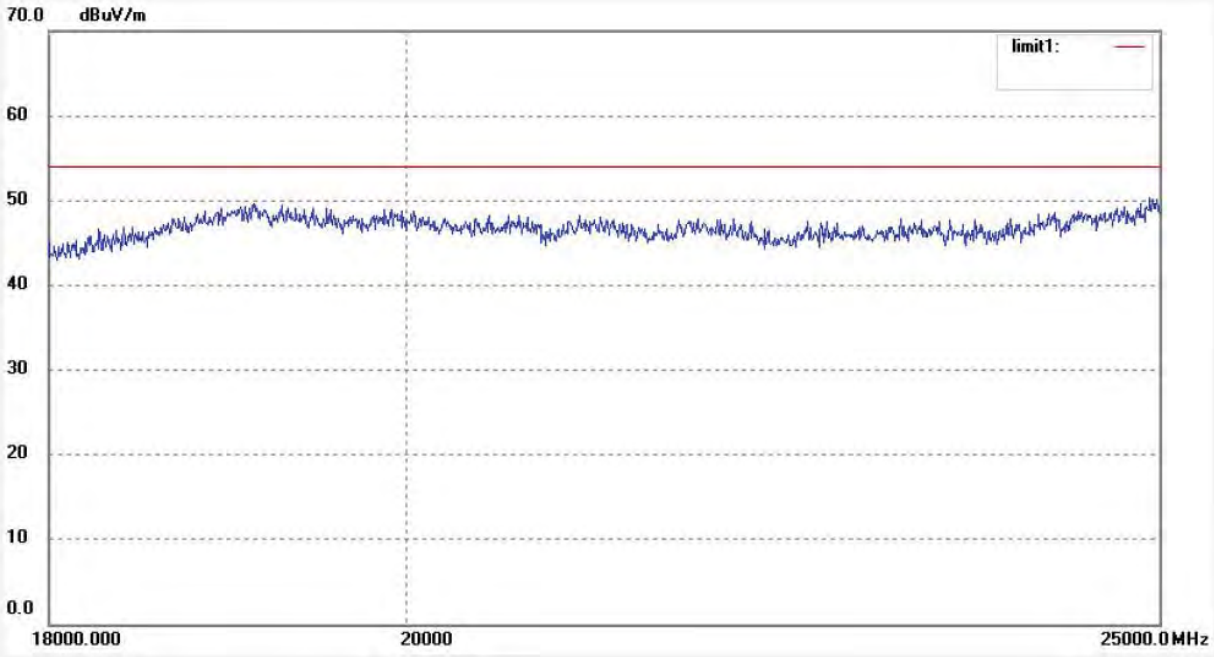


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #5916	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 11:52:09
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 3 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

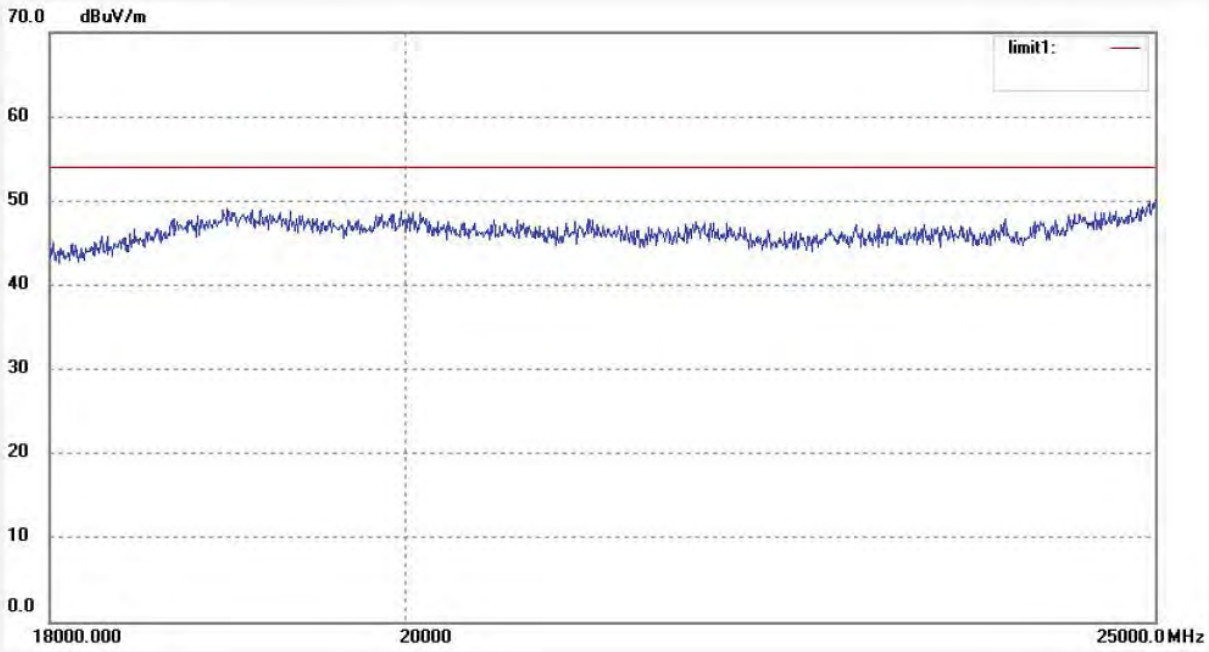


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #5917	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 11:56:43
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 3 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846



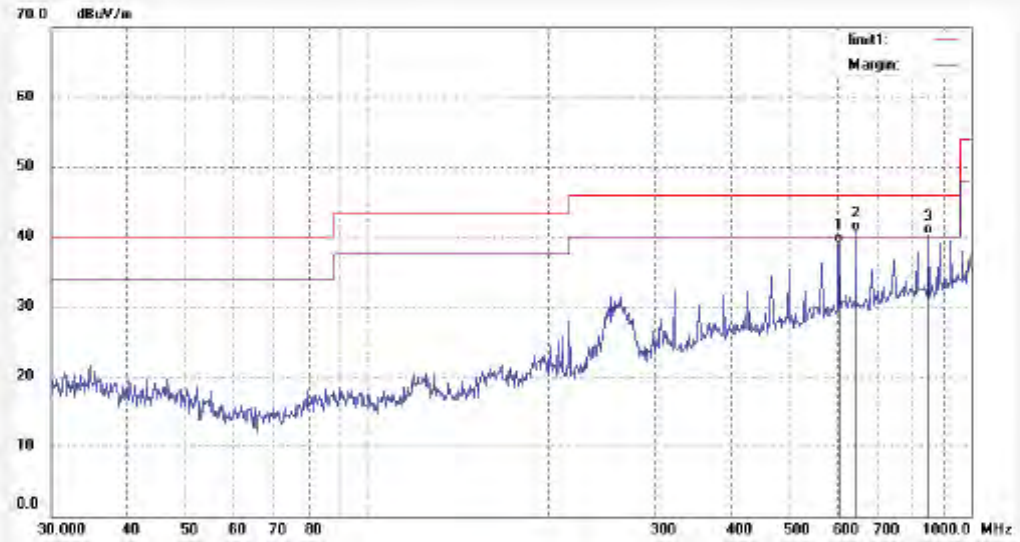
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #2012
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 6(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2012/05/12
Time: 20:53:21
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



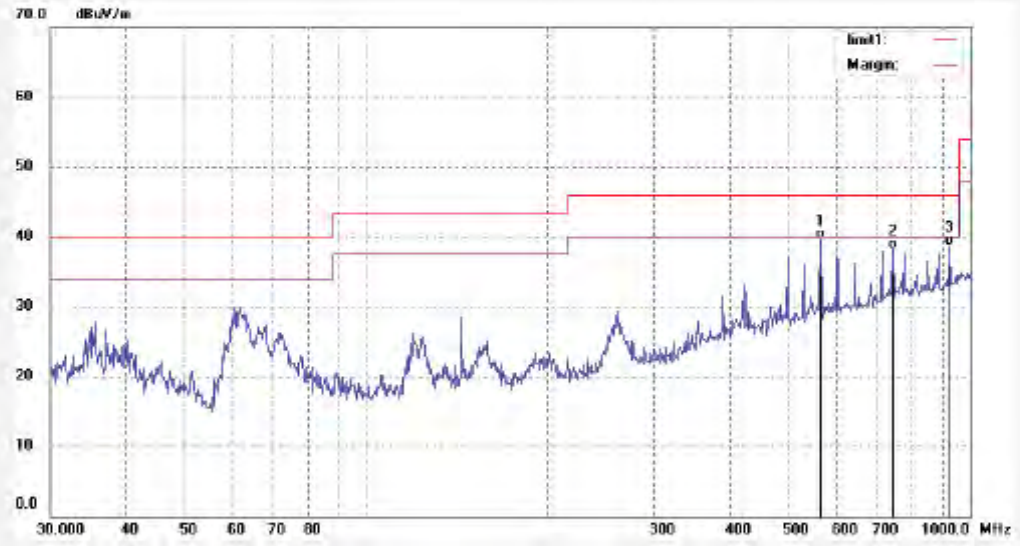
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	605.0509	13.42	25.64	39.06	46.00	-6.94	QP			
2	644.5531	14.83	26.08	40.91	46.00	-5.09	QP			
3	850.7603	12.04	28.36	40.40	46.00	-5.60	QP			

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

Job No.: Bob #2011
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 6(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2012/05/12
Time: 20:50:46
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

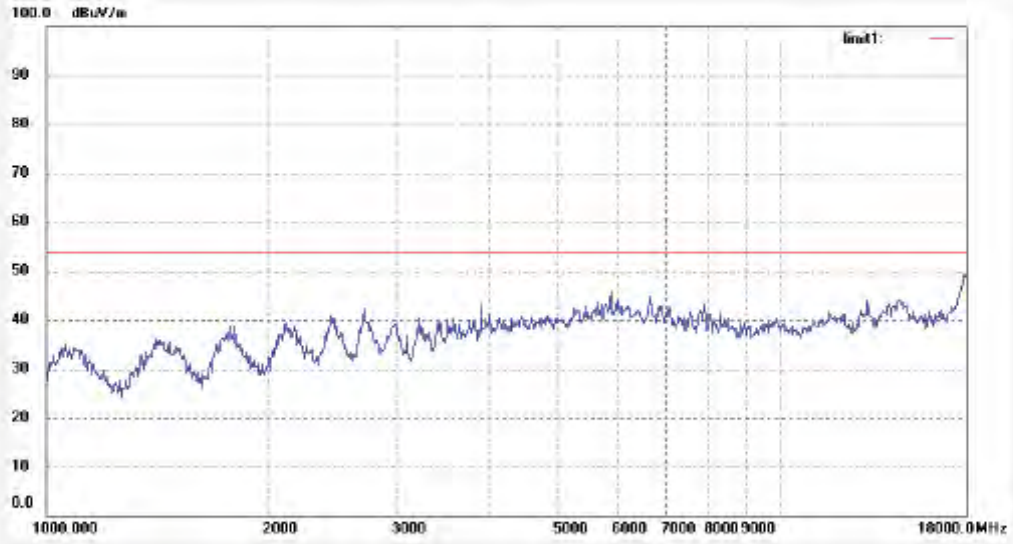


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	14.43	25.27	39.70	46.00	-6.30	QP			
2	747.0467	10.72	27.57	38.29	46.00	-7.71	QP			
3	925.6132	9.53	29.16	38.69	46.00	-7.31	QP			

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

Job No.: Bob #1872	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/00/41
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 6(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

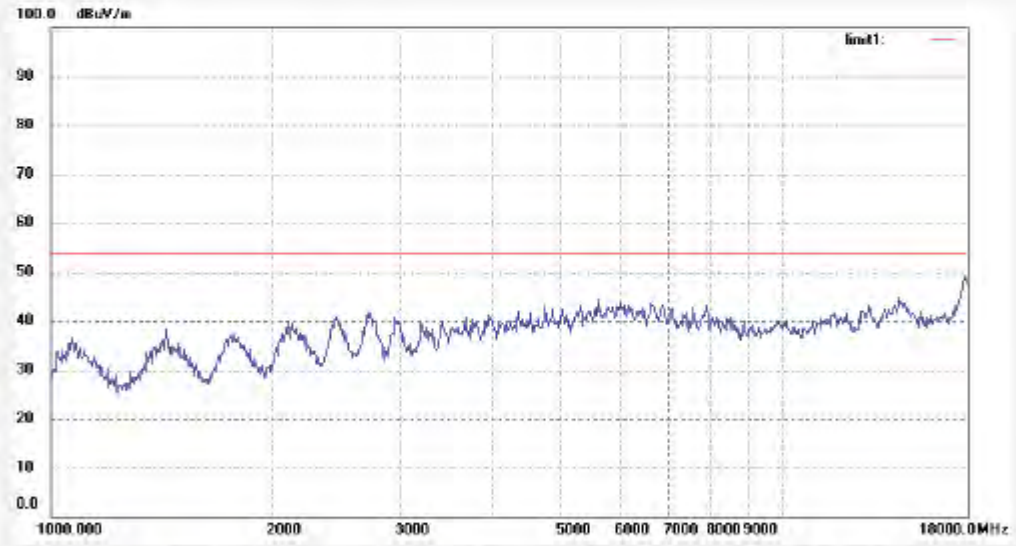


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1873	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/03/50
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 6(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

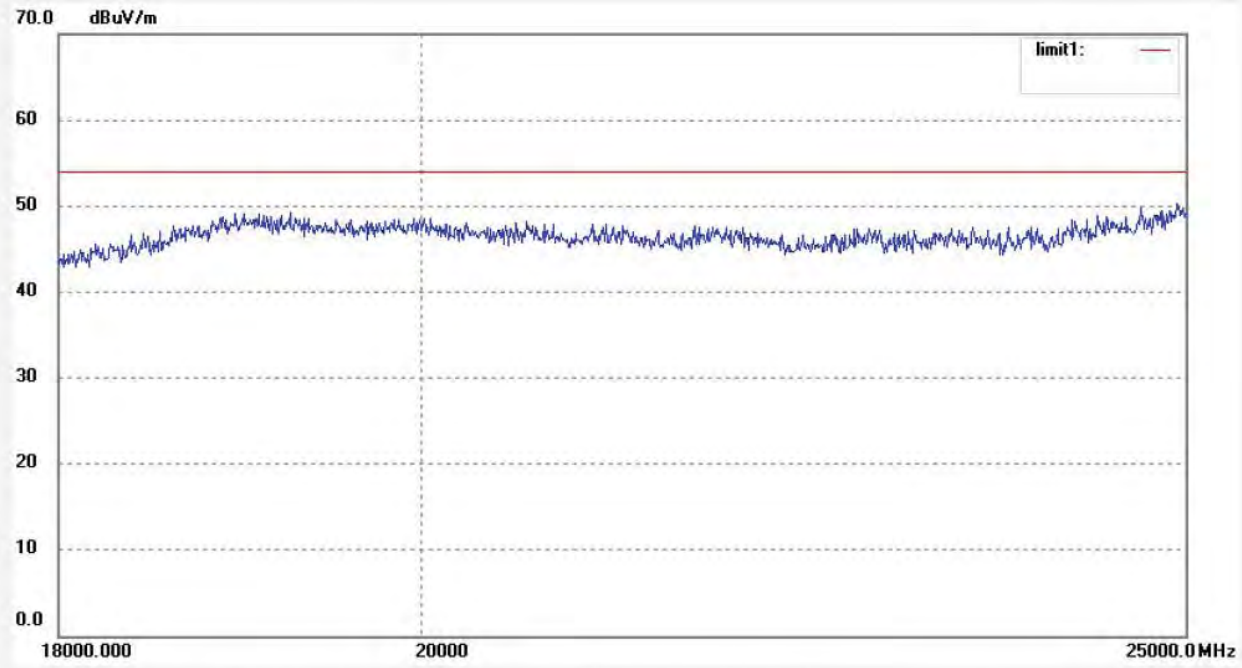


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #5919	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 12:05:30
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 6 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

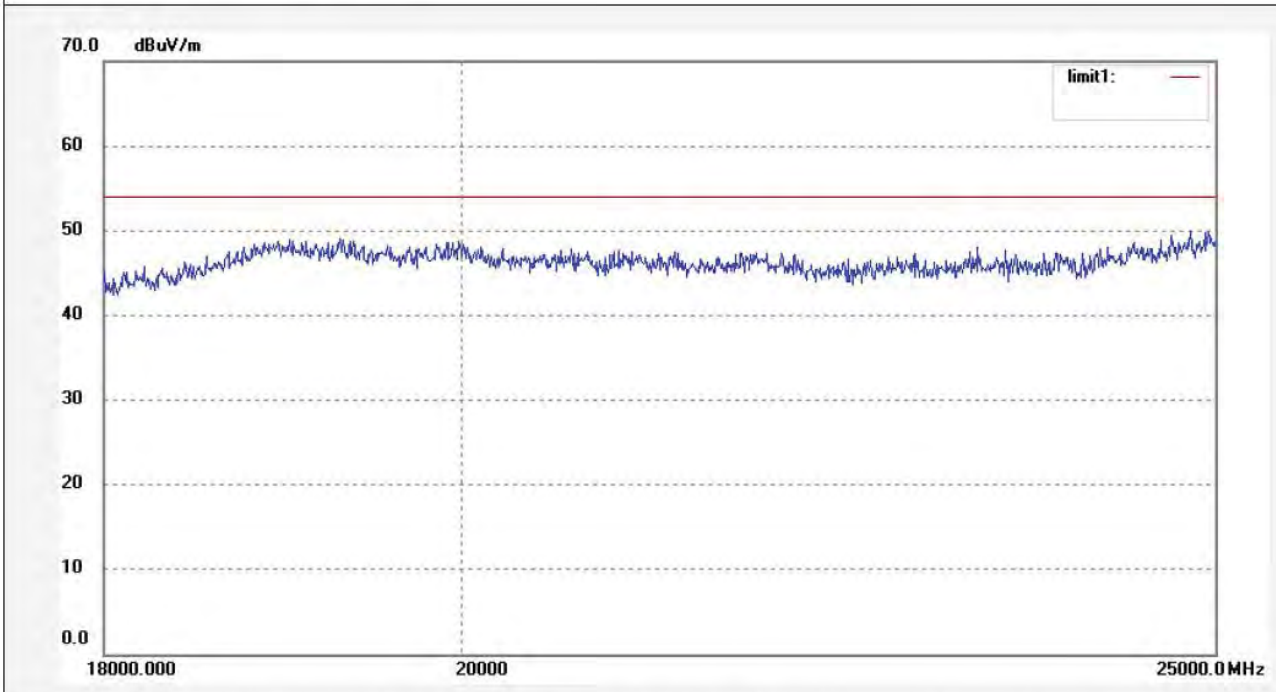


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #5918	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 12:01:19
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 6 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846



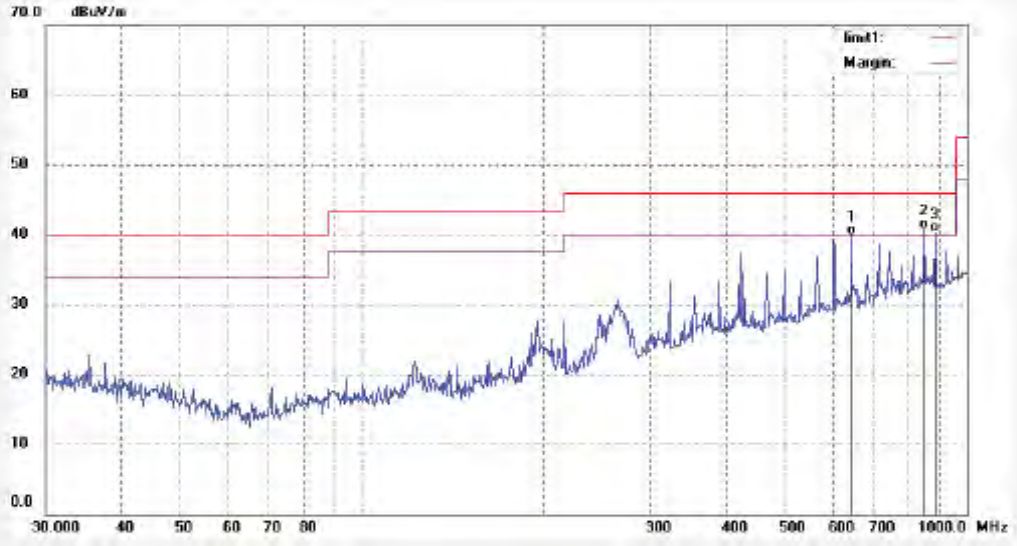
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #2013
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 9(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2012/05/12
Time: 20:56:56
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847



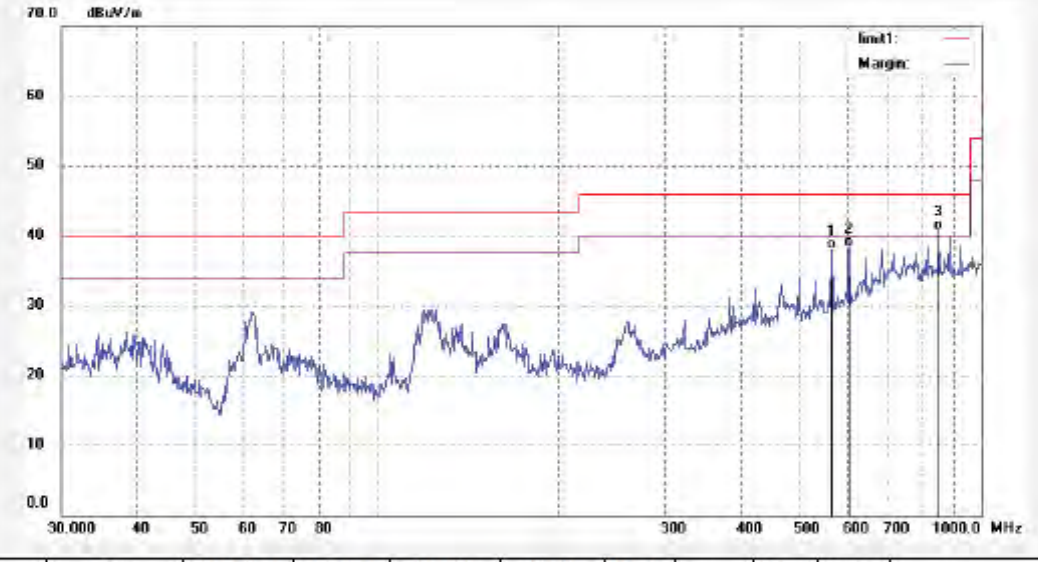
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	13.90	26.08	39.98	46.00	-6.02	QP			
2	850.7603	12.42	28.36	40.78	46.00	-5.22	QP			
3	887.3978	11.53	28.77	40.30	46.00	-5.70	QP			

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

Job No.: Bob #2014
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: HANNSpad
Mode: TX Channel 9(802.11n)
Model: HSG1248
Manufacturer: Hannspree Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2012/05/12
Time: 20:59:39
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20120847

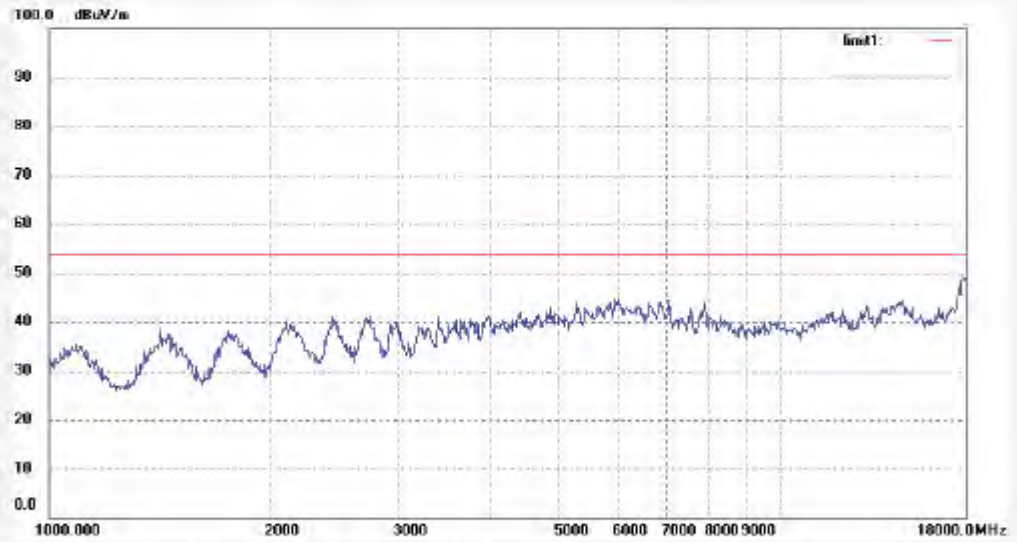


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	12.78	25.27	38.05	46.00	-7.95	QP			
2	605.0509	12.69	25.64	38.33	46.00	-7.67	QP			
3	850.7603	12.46	28.36	40.82	46.00	-5.18	QP			

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

Job No.: Bob #1875	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/09/22
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 9(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

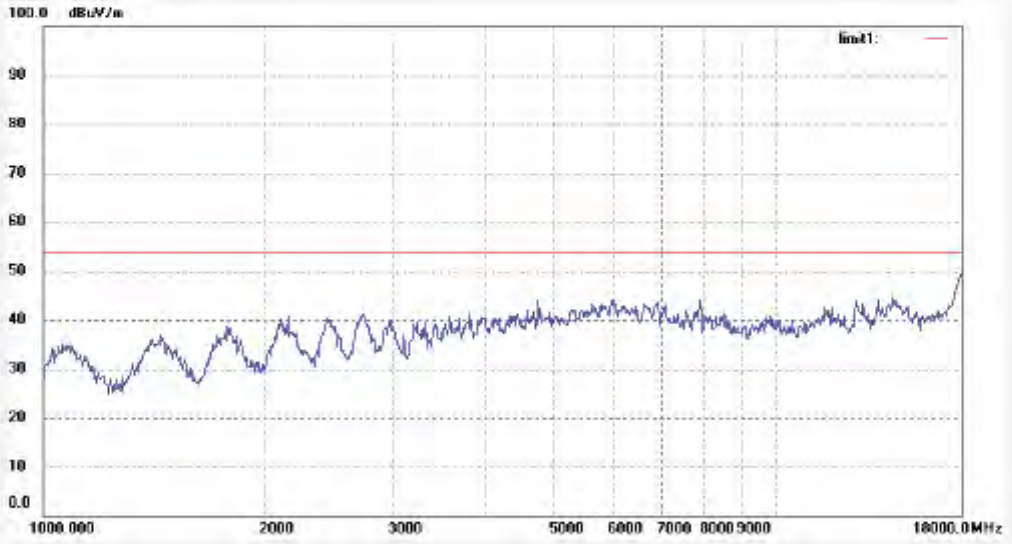


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #1874	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/05/11/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/06/21
EUT: HANNSpad	Engineer Signature:
Mode: TX Channel 9(802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report NO.:ATE20120847

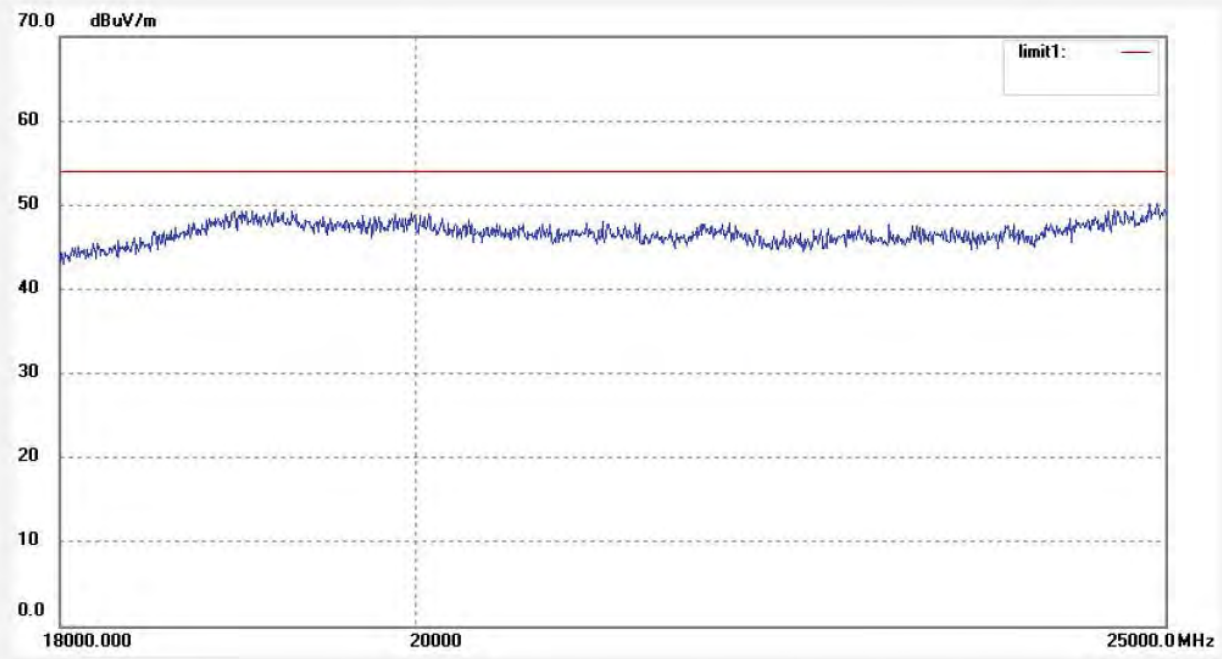


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #5920	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 12:10:41
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 9 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

Note: Report No.:ATE20120846

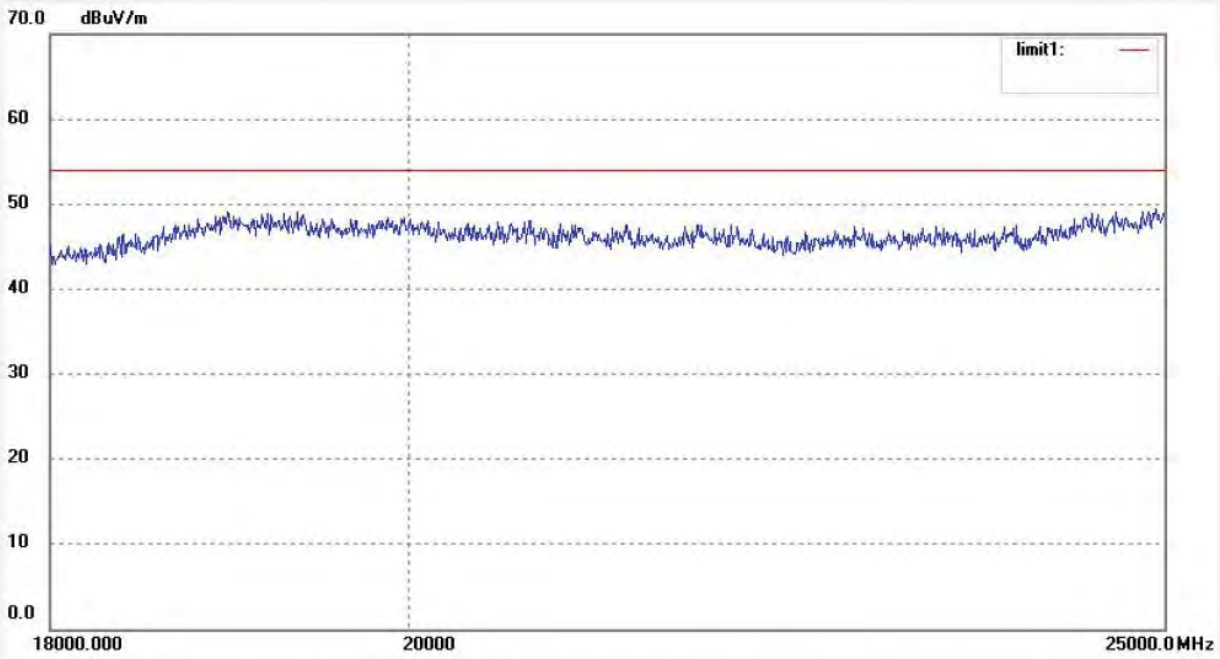


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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

Job No.: Bob #5921	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/05/4
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 12:15:08
EUT: HANNSpad	Engineer Signature: Bob
Mode: TX Channel 9 (802.11n)	Distance:
Model: HSG1248	
Manufacturer: Hannspree Inc.	

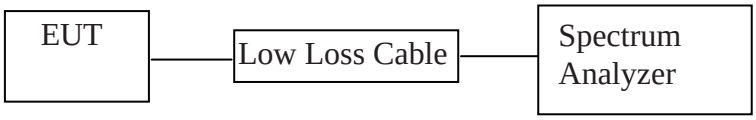
Note: Report No.:ATE20120846



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

10. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

10.1. Block Diagram of Test Setup



(EUT: HANNSpad)

10.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

10.3. EUT Configuration on Measurement

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

10.3.1. HANNSpad (EUT)

Model Number	:	HSG1248
Serial Number	:	N/A
Manufacturer	:	Hannspree Inc.

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 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz 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 (below 1GHz).

10.5.3.Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz (above 1GHz).

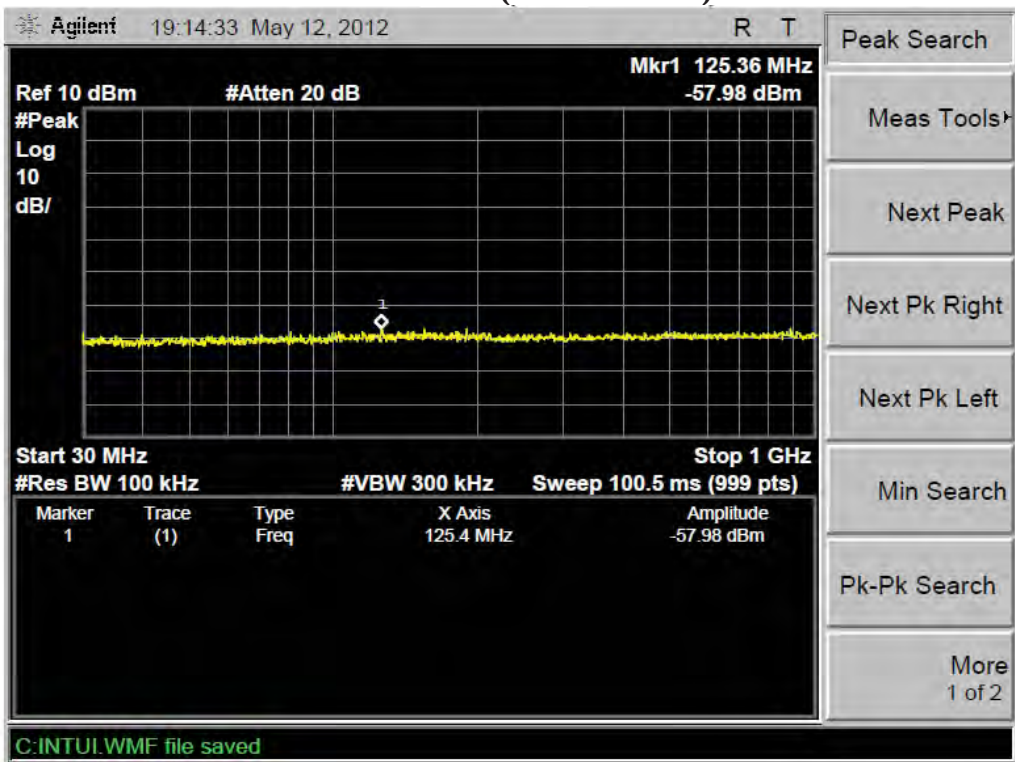
10.5.4.The Conducted Spurious Emission was measured and recorded.

10.6.Test Result

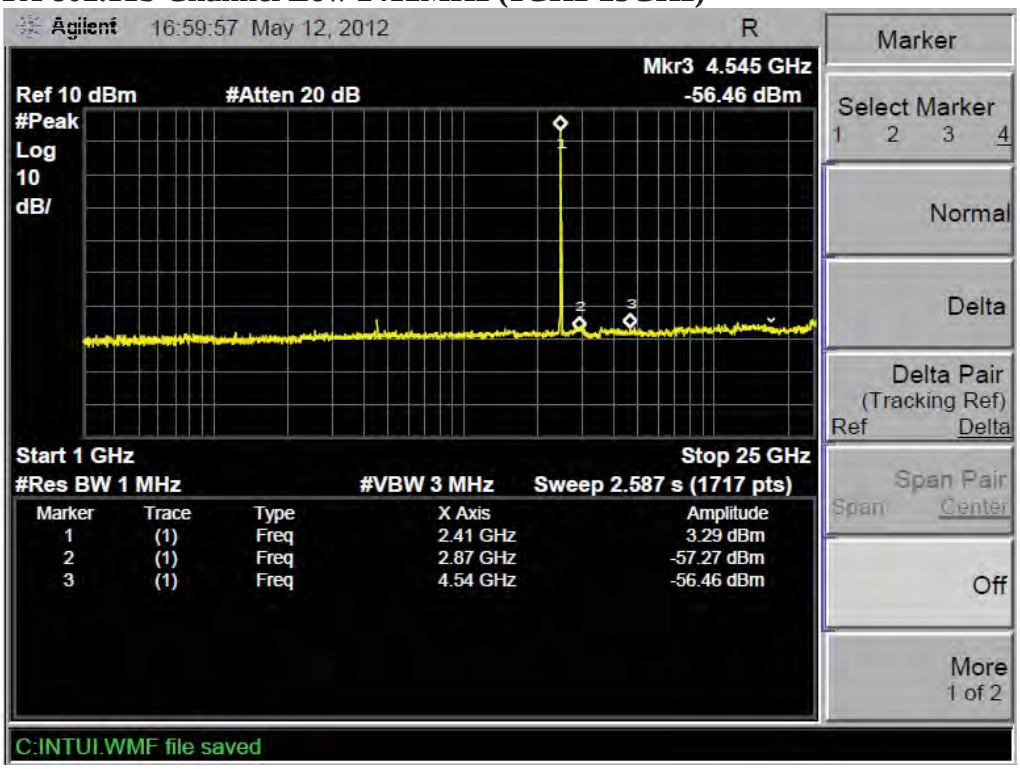
Pass.

The spectrum analyzer plots are attached as below.

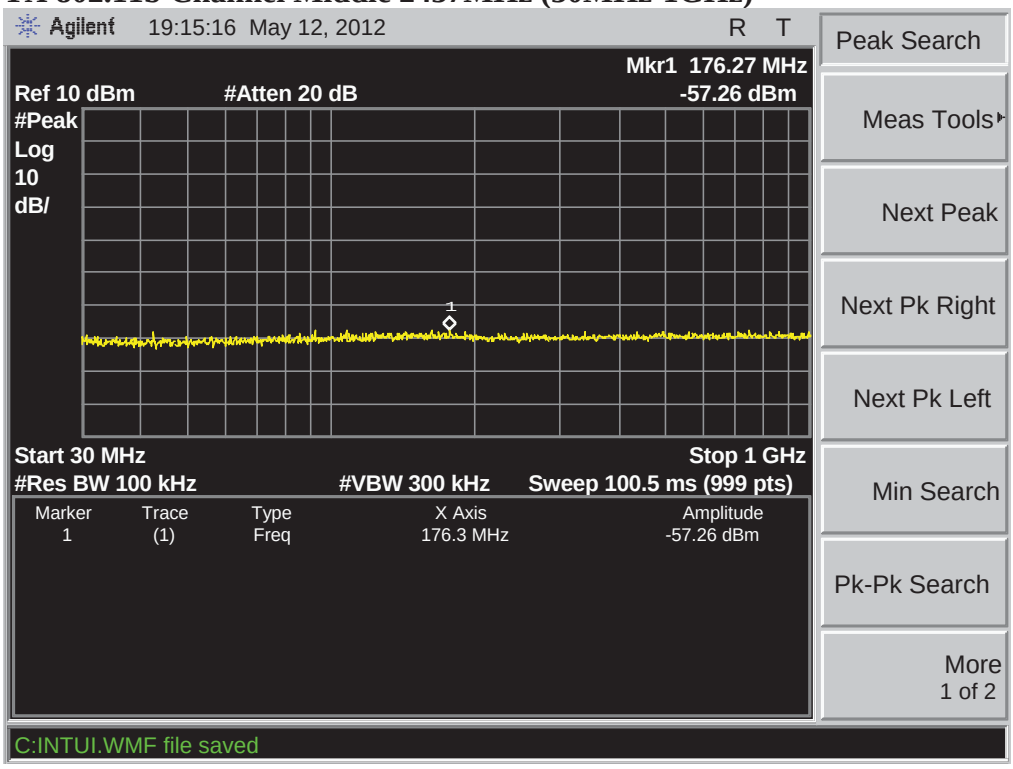
TX 802.11b Channel Low 2412MHz (30MHz-1GHz)



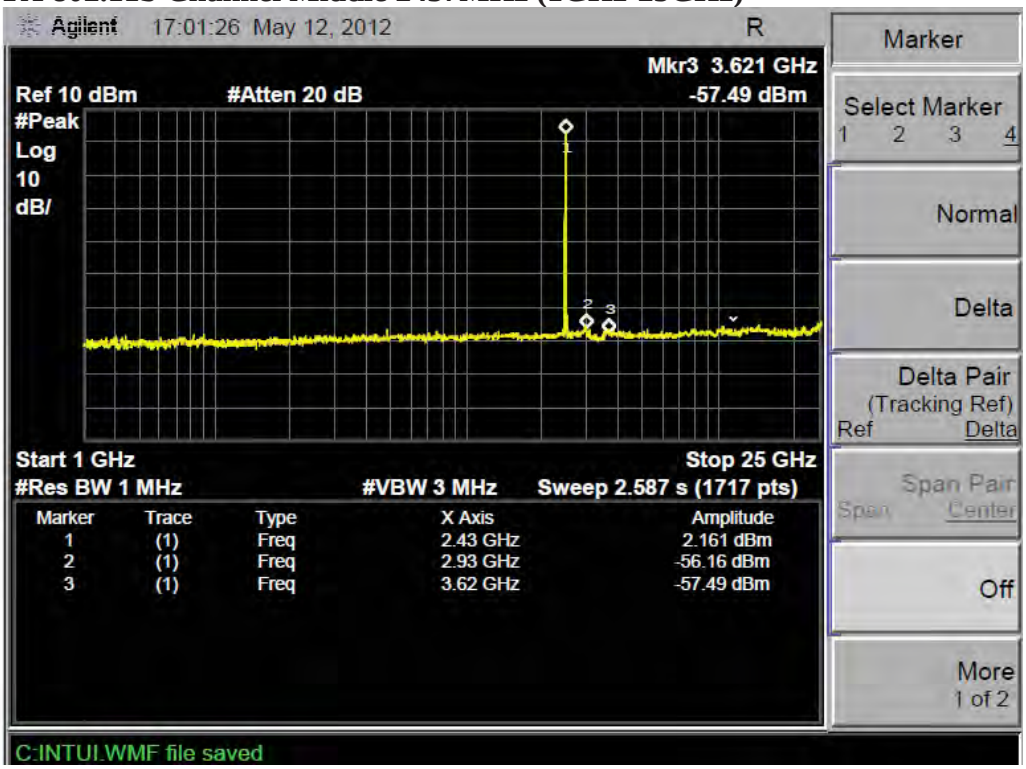
TX 802.11b Channel Low 2412MHz (1GHz-25GHz)



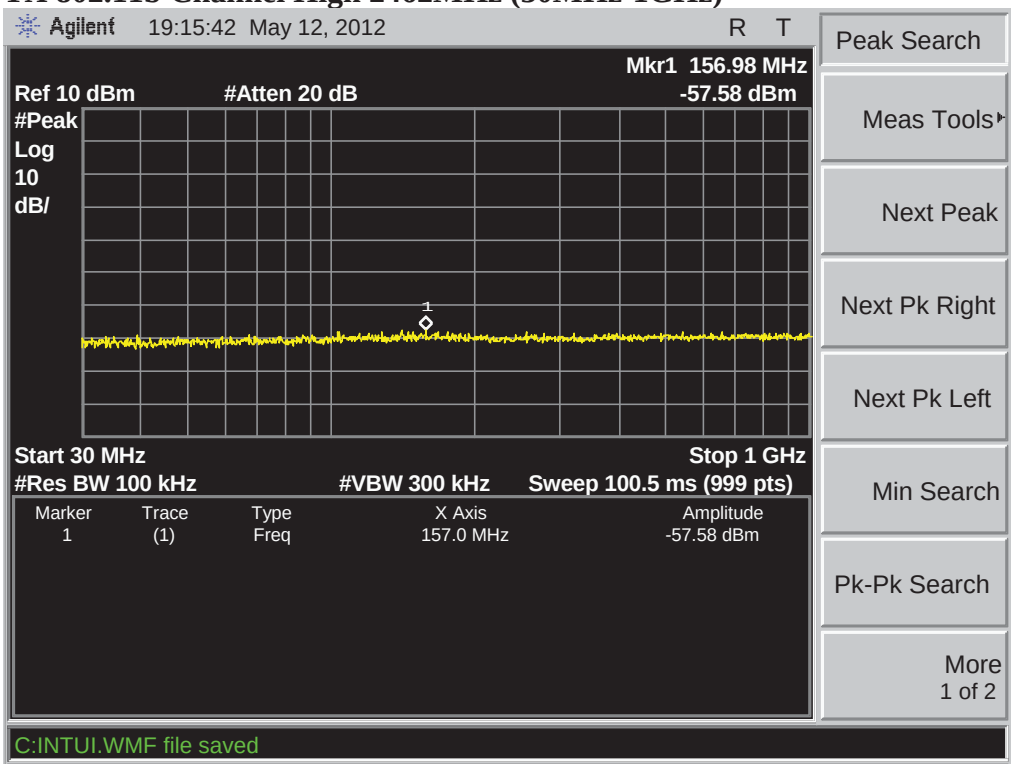
TX 802.11b Channel Middle 2437MHz (30MHz-1GHz)



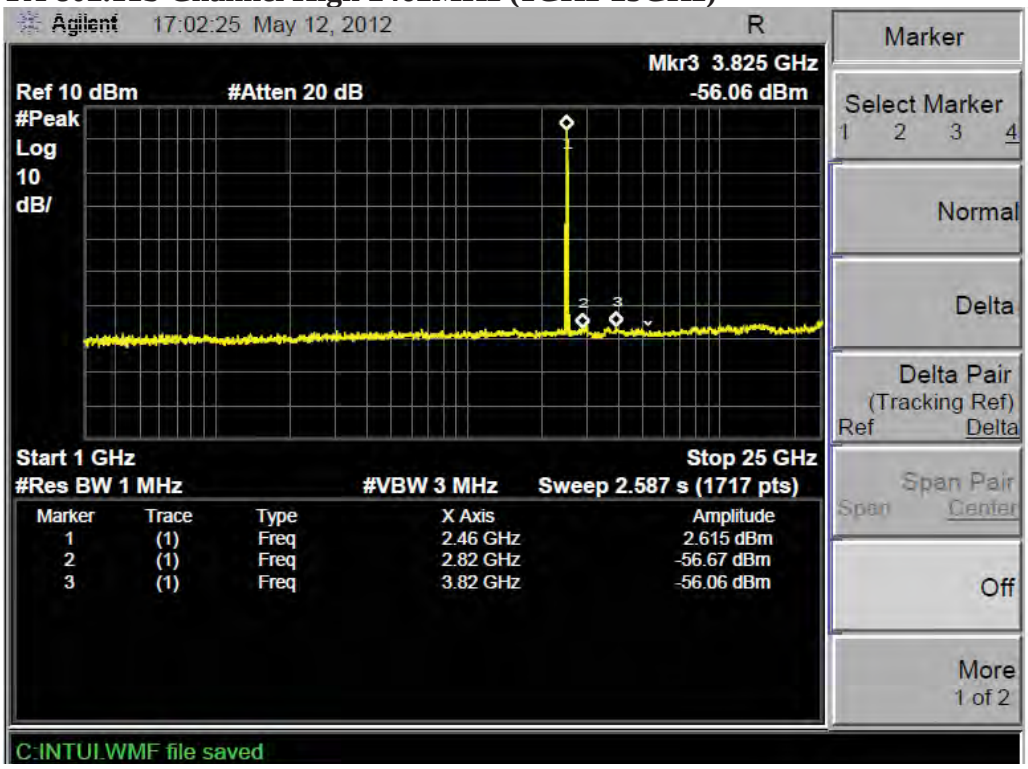
TX 802.11b Channel Middle 2437MHz (1GHz-25GHz)



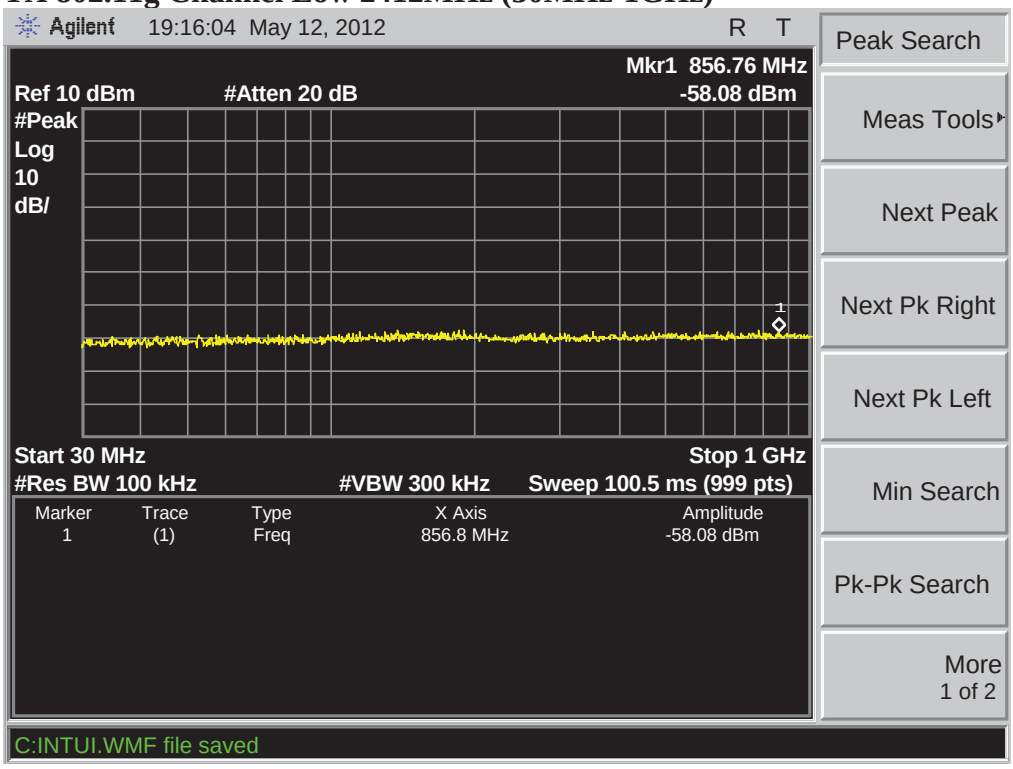
TX 802.11b Channel High 2462MHz (30MHz-1GHz)



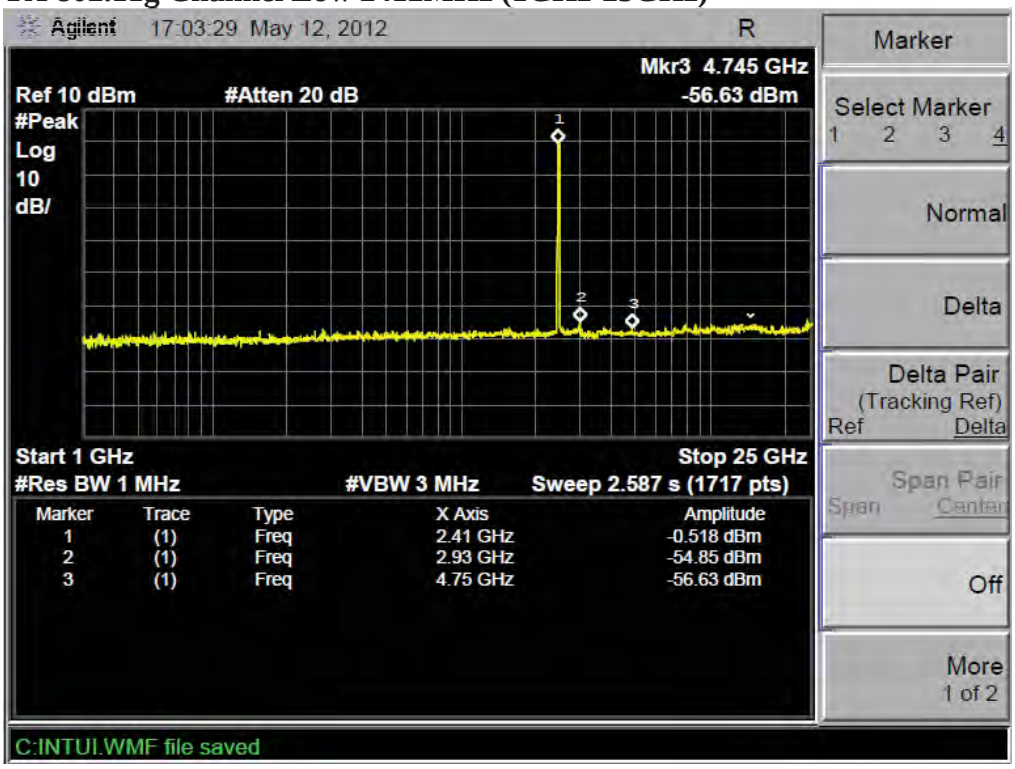
TX 802.11b Channel High 2462MHz (1GHz-25GHz)



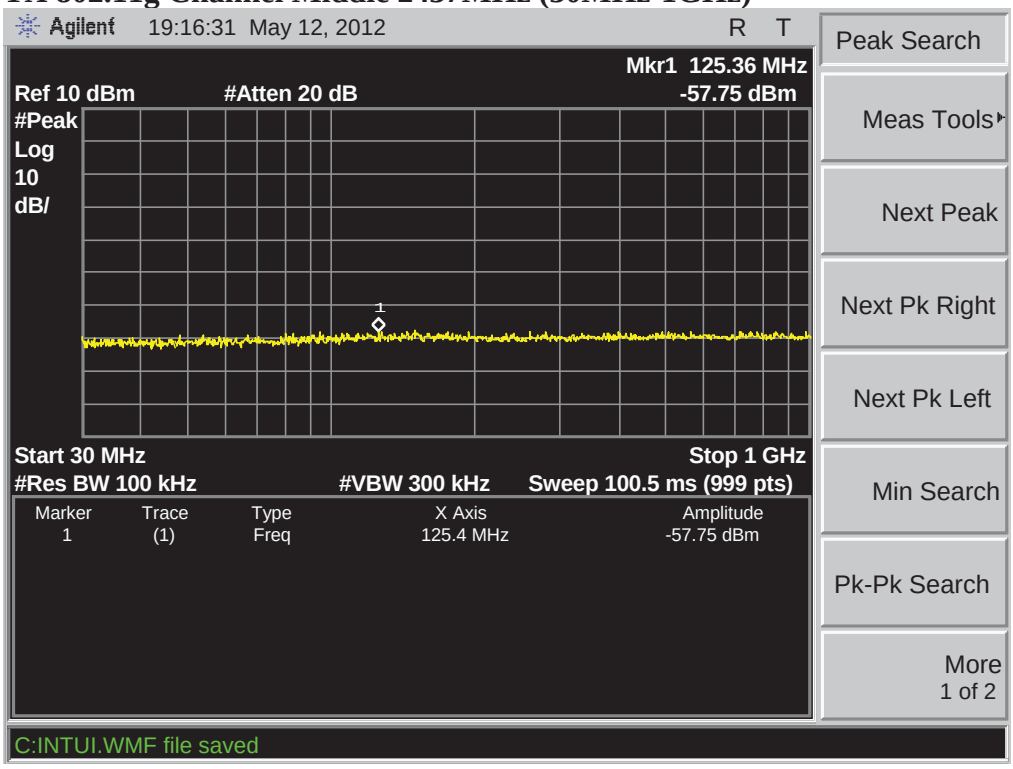
TX 802.11g Channel Low 2412MHz (30MHz-1GHz)



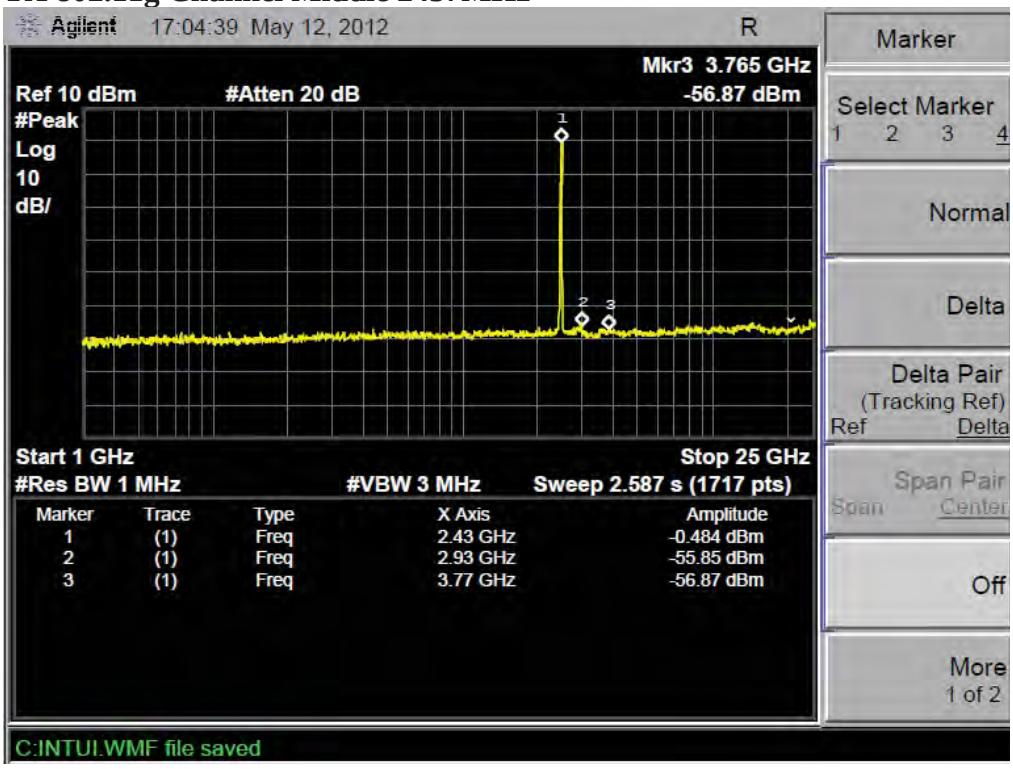
TX 802.11g Channel Low 2412MHz (1GHz-25GHz)



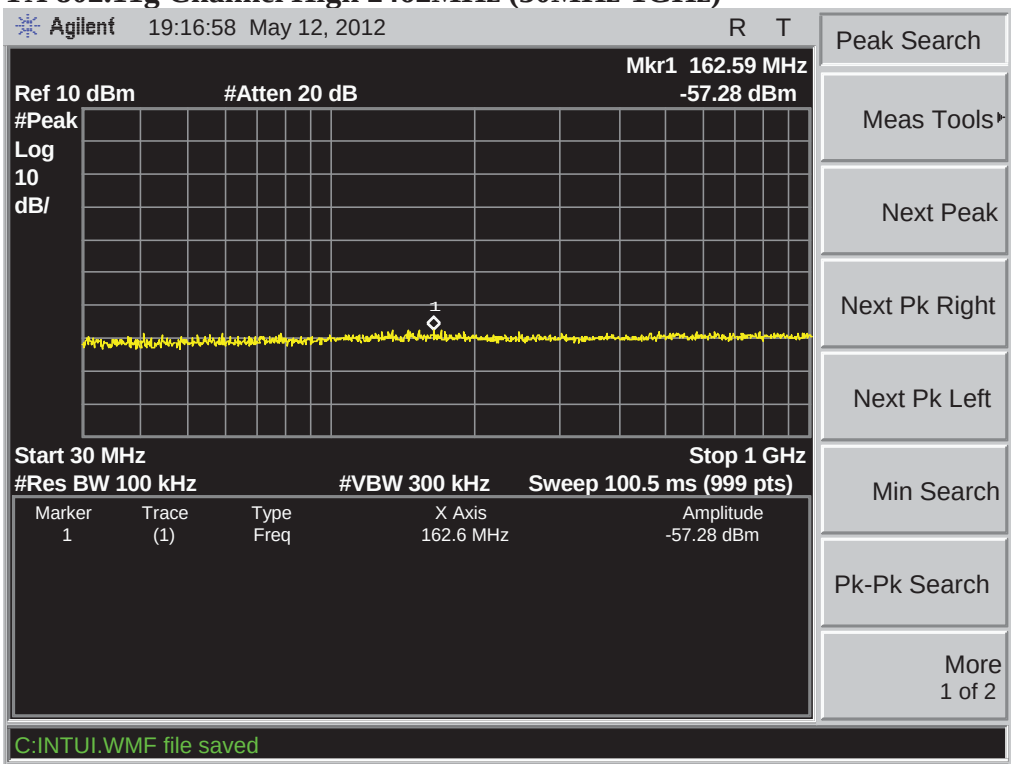
TX 802.11g Channel Middle 2437MHz (30MHz-1GHz)



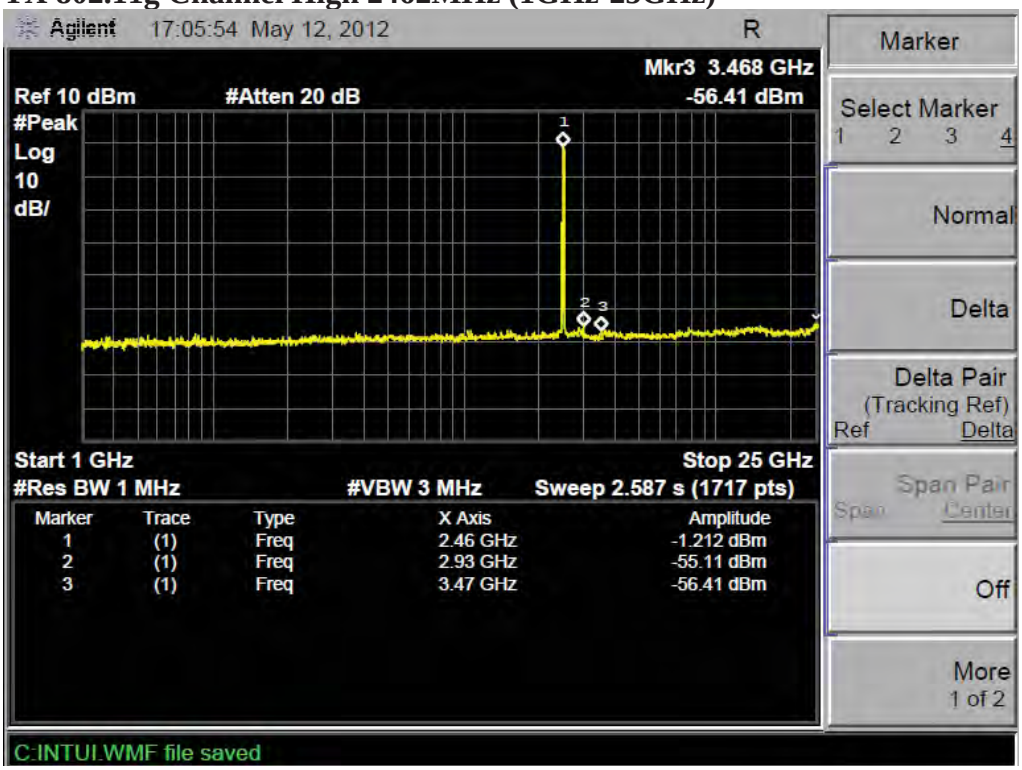
TX 802.11g Channel Middle 2437MHz



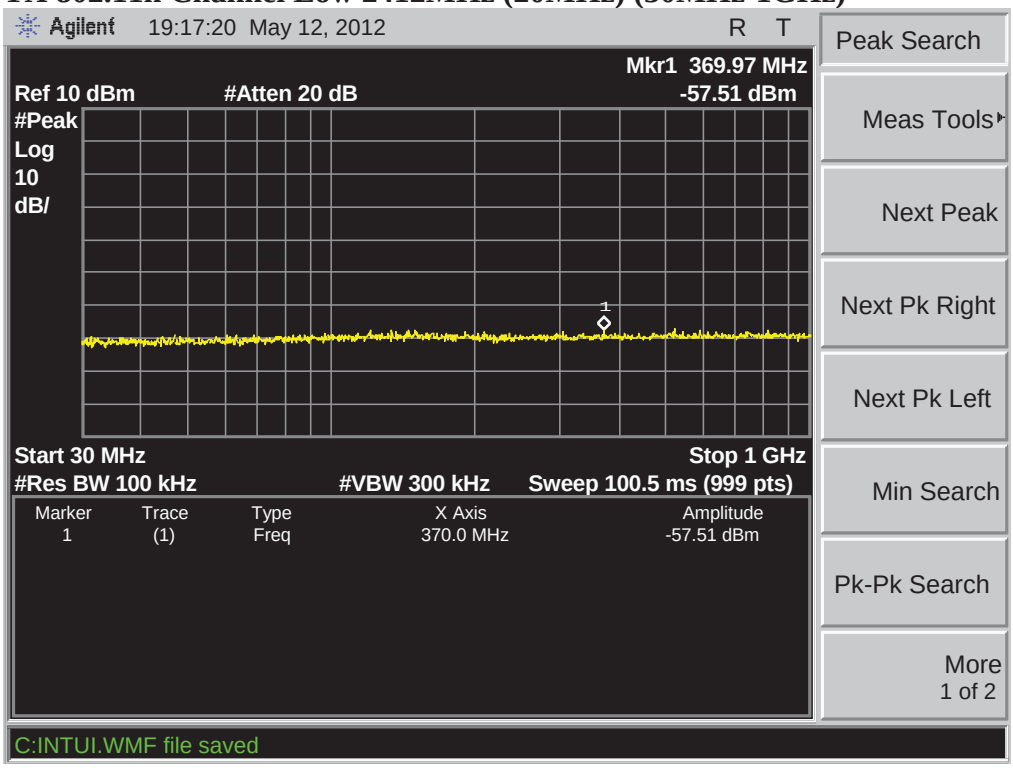
TX 802.11g Channel High 2462MHz (30MHz-1GHz)



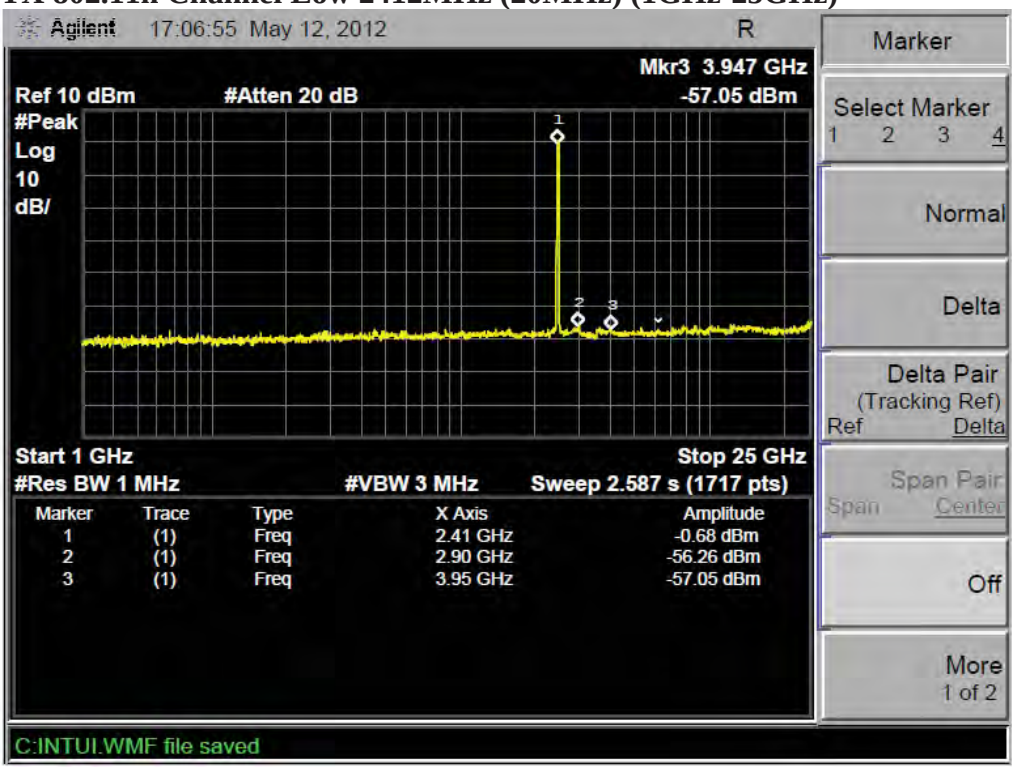
TX 802.11g Channel High 2462MHz (1GHz-25GHz)



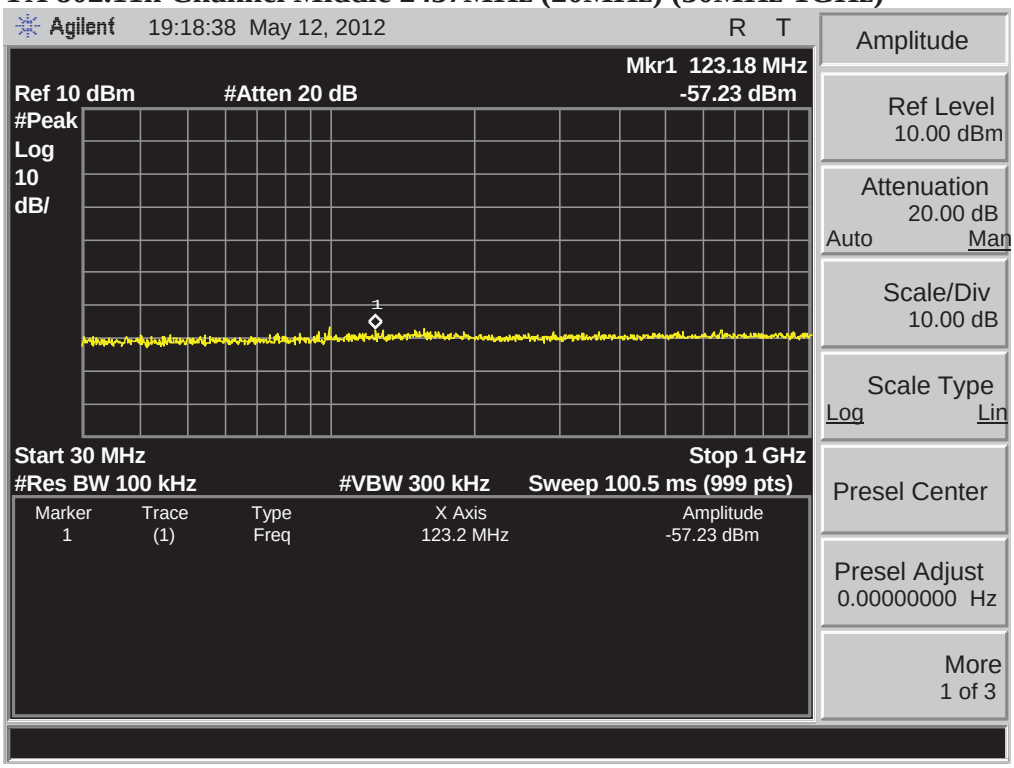
TX 802.11n Channel Low 2412MHz (20MHz) (30MHz-1GHz)



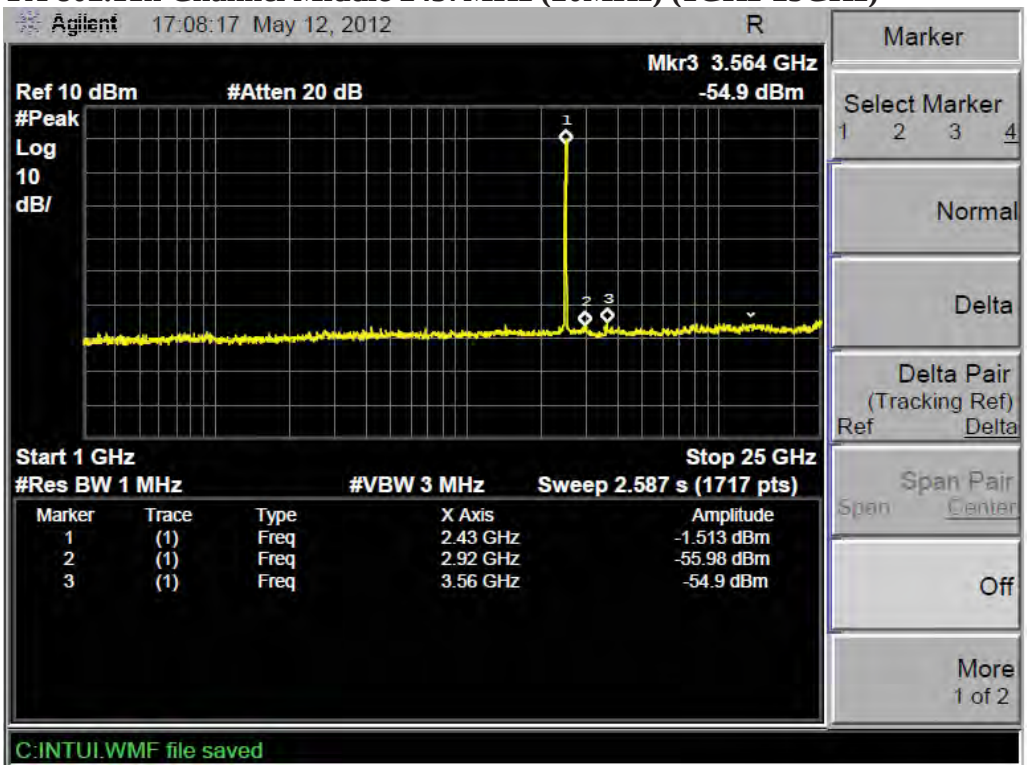
TX 802.11n Channel Low 2412MHz (20MHz) (1GHz-25GHz)



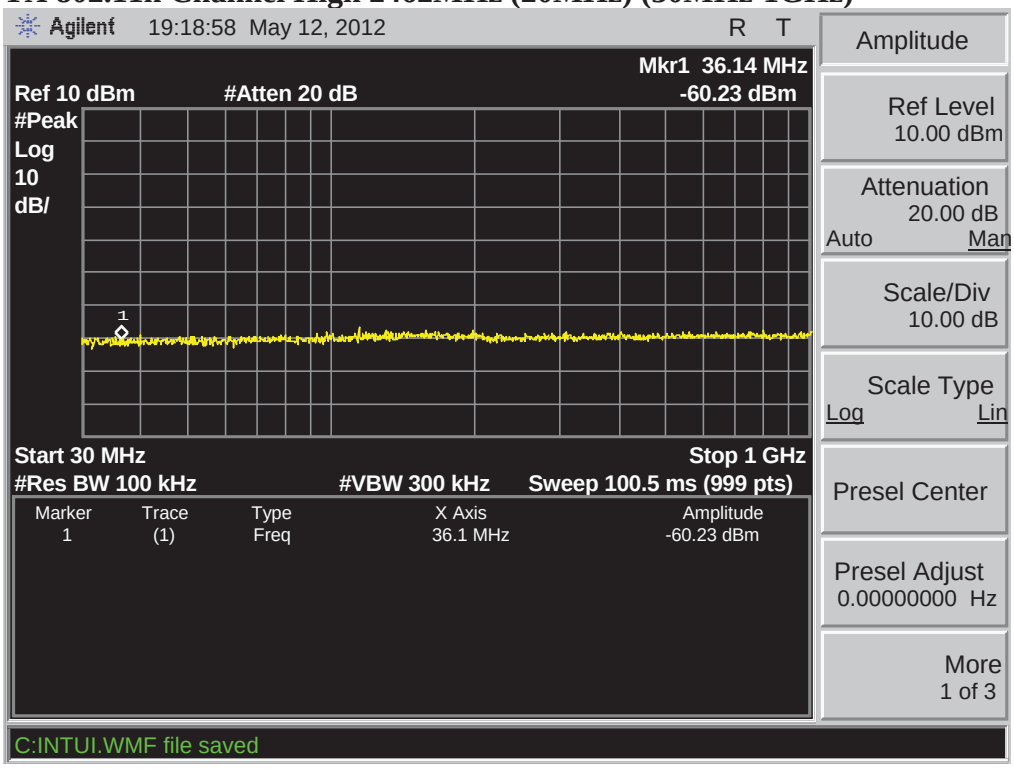
TX 802.11n Channel Middle 2437MHz (20MHz) (30MHz-1GHz)



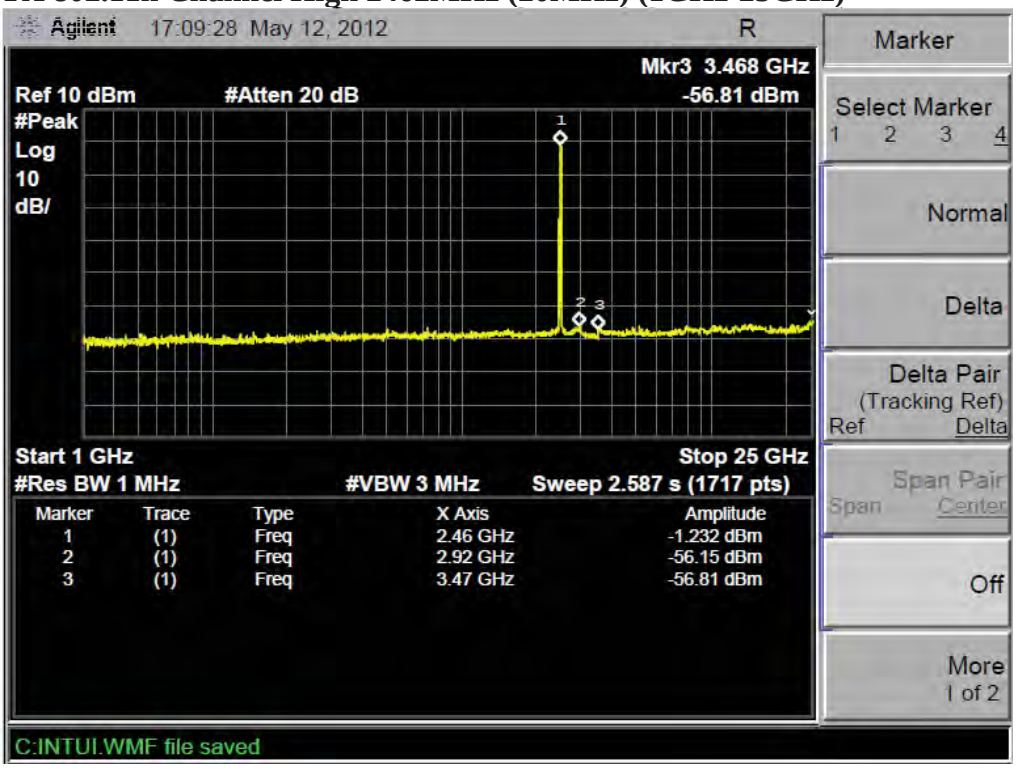
TX 802.11n Channel Middle 2437MHz (20MHz) (1GHz-25GHz)



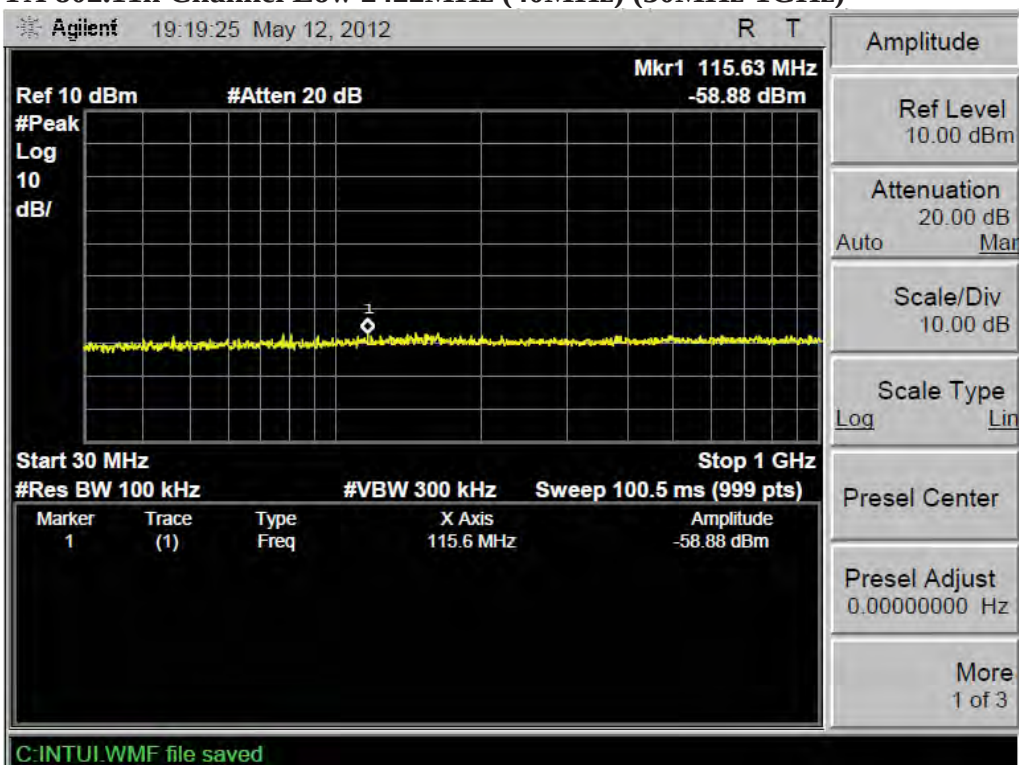
TX 802.11n Channel High 2462MHz (20MHz) (30MHz-1GHz)



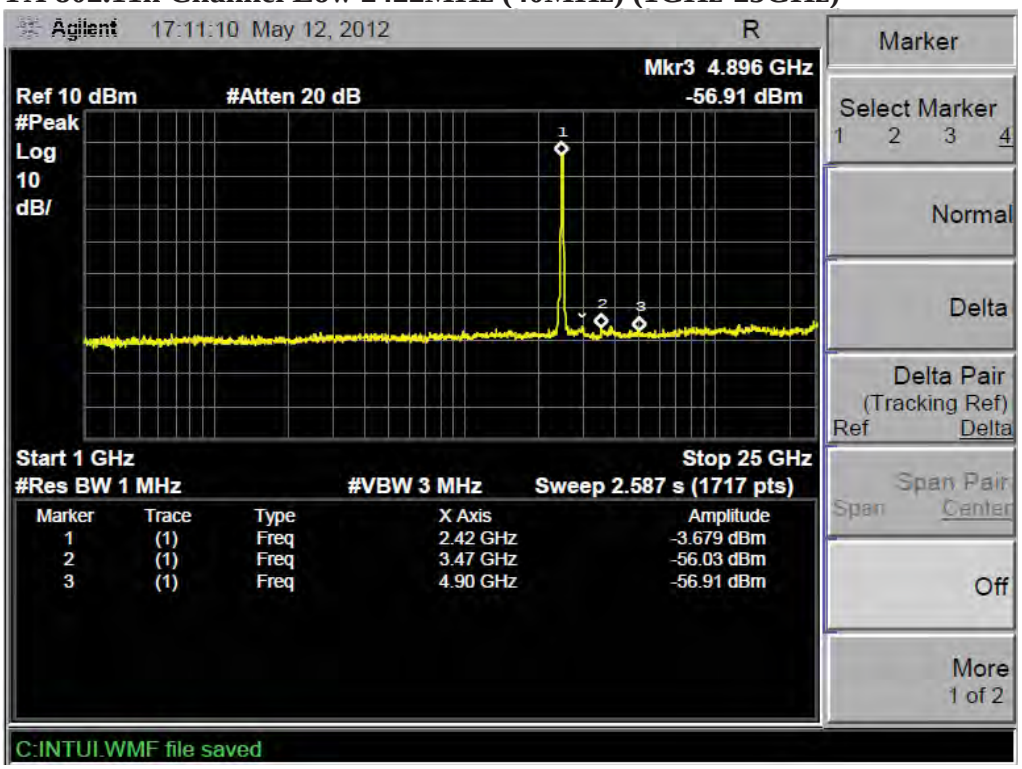
TX 802.11n Channel High 2462MHz (20MHz) (1GHz-25GHz)



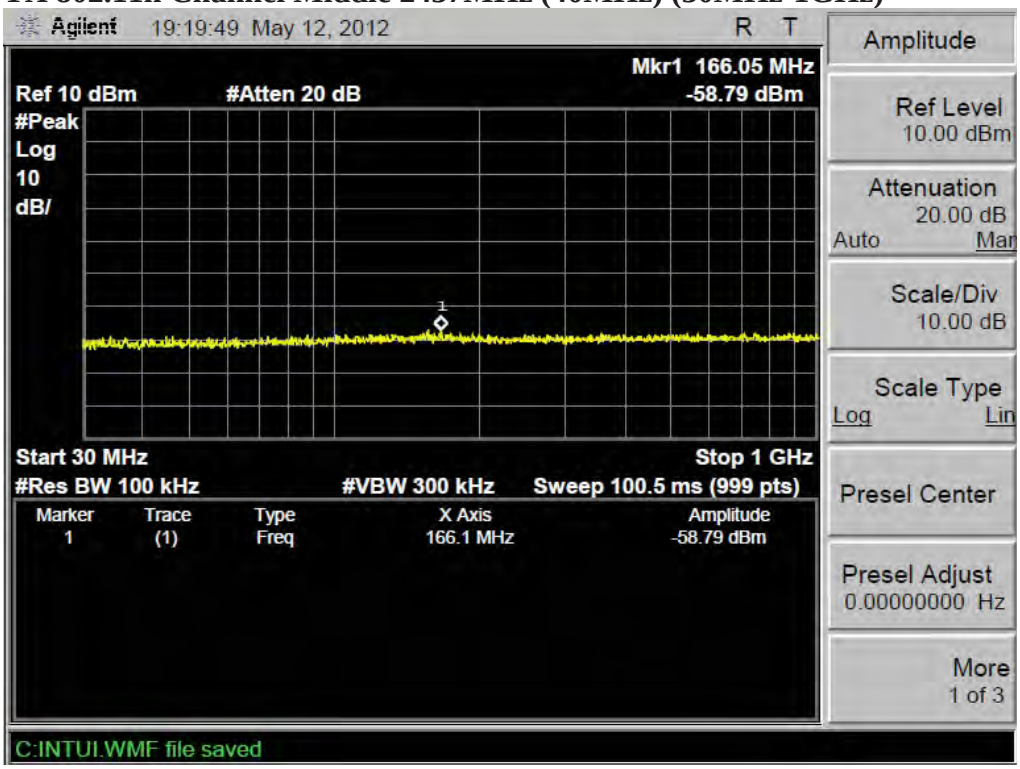
TX 802.11n Channel Low 2422MHz (40MHz) (30MHz-1GHz)



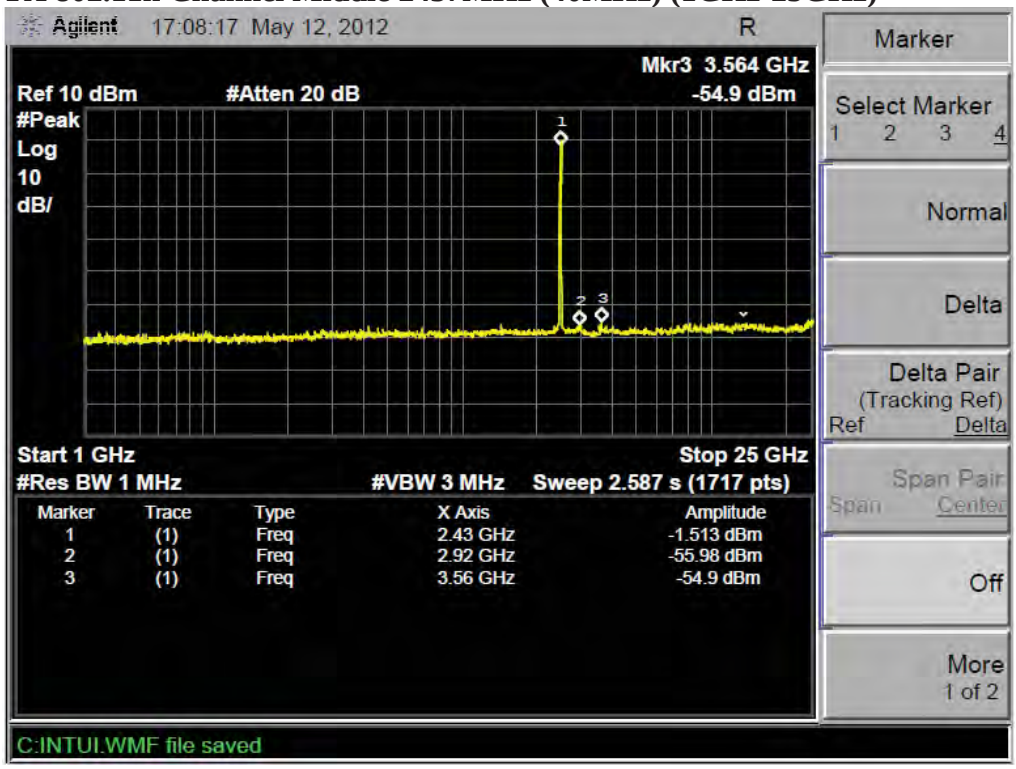
TX 802.11n Channel Low 2422MHz (40MHz) (1GHz-25GHz)



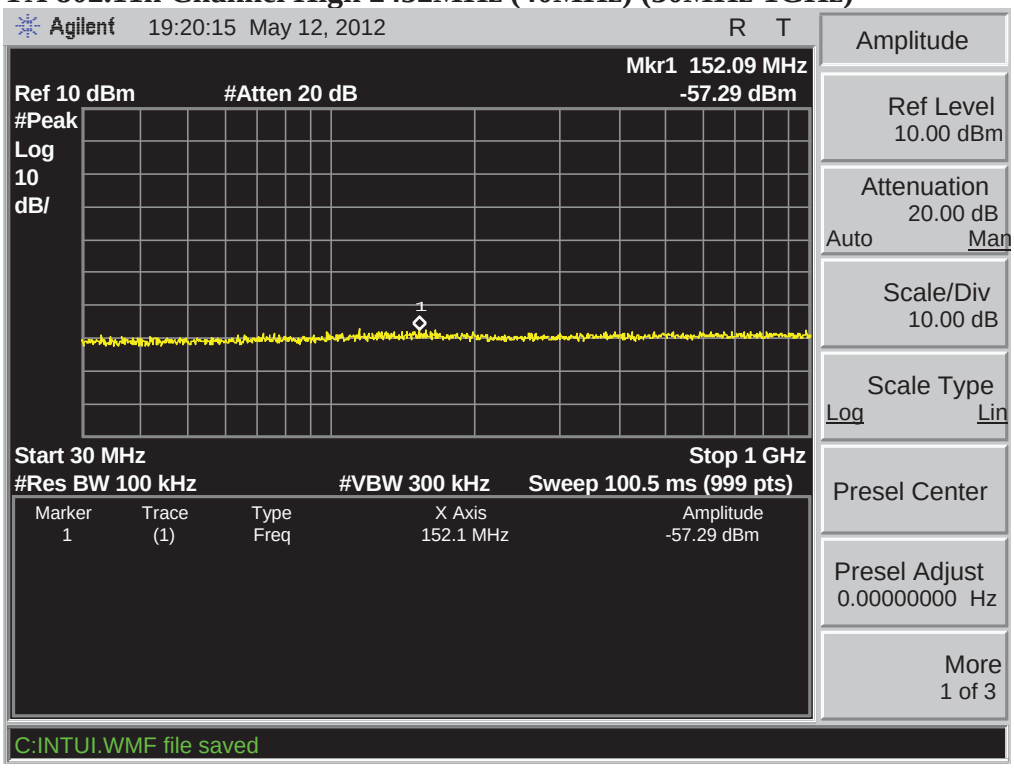
TX 802.11n Channel Middle 2437MHz (40MHz) (30MHz-1GHz)



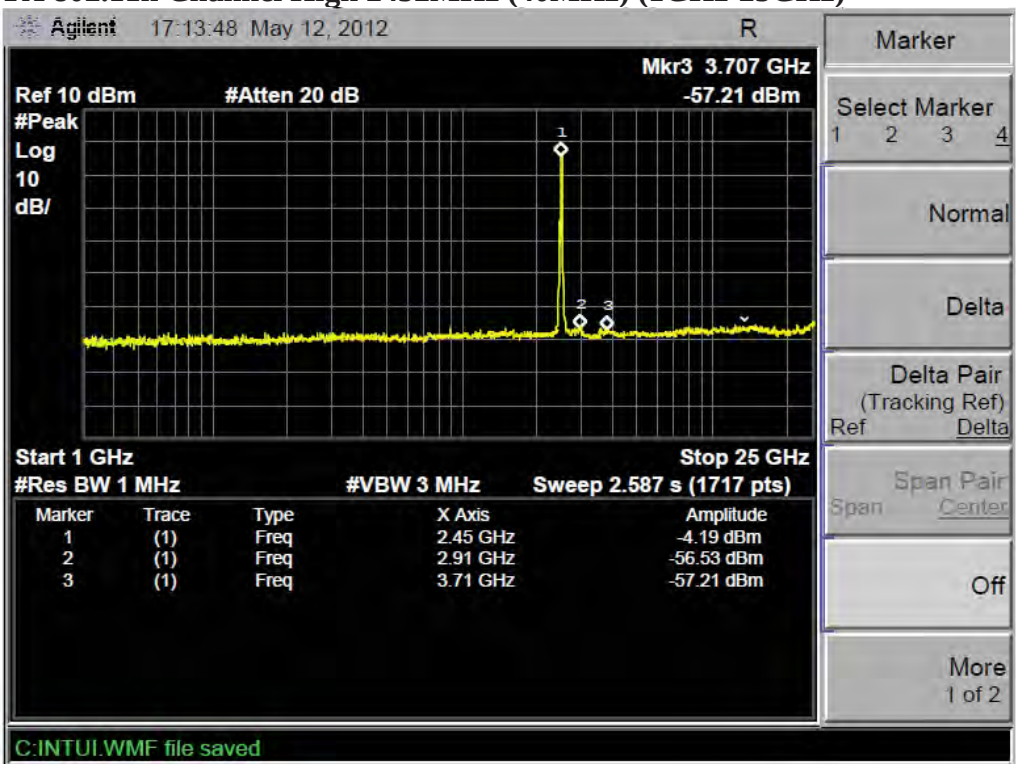
TX 802.11n Channel Middle 2437MHz (40MHz) (1GHz-25GHz)



TX 802.11n Channel High 2452MHz (40MHz) (30MHz-1GHz)



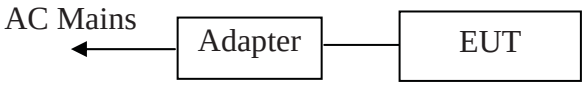
TX 802.11n Channel High 2452MHz (40MHz) (1GHz-25GHz)



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

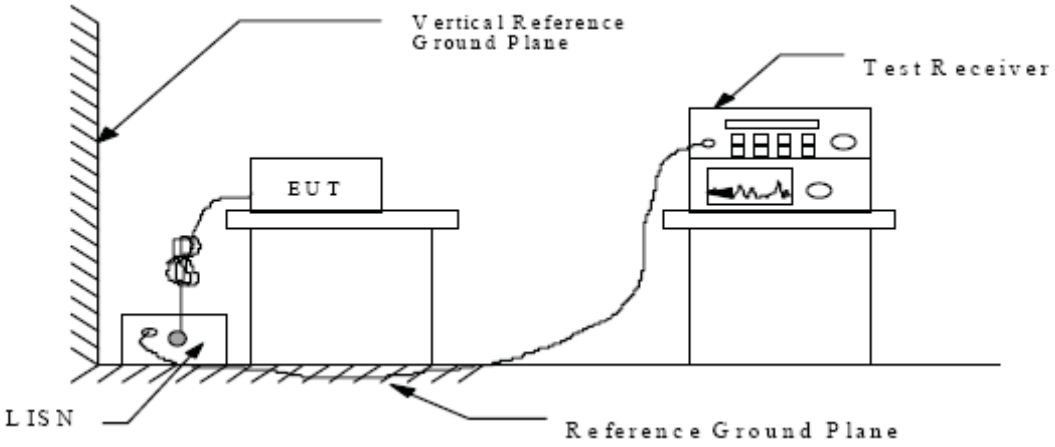
11.1. Block Diagram of Test Setup

11.1.1. Block diagram of connection between the EUT and simulators



(EUT: HANNSpad)

11.1.2. Shielding Room Test Setup Diagram



(EUT: HANNSpad)

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.HANNSpad (EUT)

Model Number	**:**	HSG1248
Serial Number	**:**	N/A
Manufacturer	**:**	Hannspree Inc.

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 (Charging) 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:	April 29, 2012	Temperature:	25°C
EUT:	HANNSpad	Humidity:	50%
Model No.:	HSG1248	Power Supply:	AC 120V/60Hz
Test Mode:	Charging	Test Engineer:	Pei

Frequency (MHz)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector	Line
0.305276	48.70	60.1	-11.4	QP	Neutral
0.318980	48.70	59.7	-11.0	QP	
0.359562	49.60	58.7	-9.1	QP	
0.312676	37.80	49.9	-12.1	AV	
0.356703	38.50	48.8	-10.3	AV	
4.992190	34.40	46	-11.6	AV	
0.362445	49.70	58.7	-9.0	QP	Live
0.519130	47.30	56	-8.7	QP	
0.628773	47.20	56	-8.8	QP	
0.362445	40.30	48.7	-8.4	AV	
0.512950	35.00	46	-11.0	AV	
4.952491	38.50	46	-7.5	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

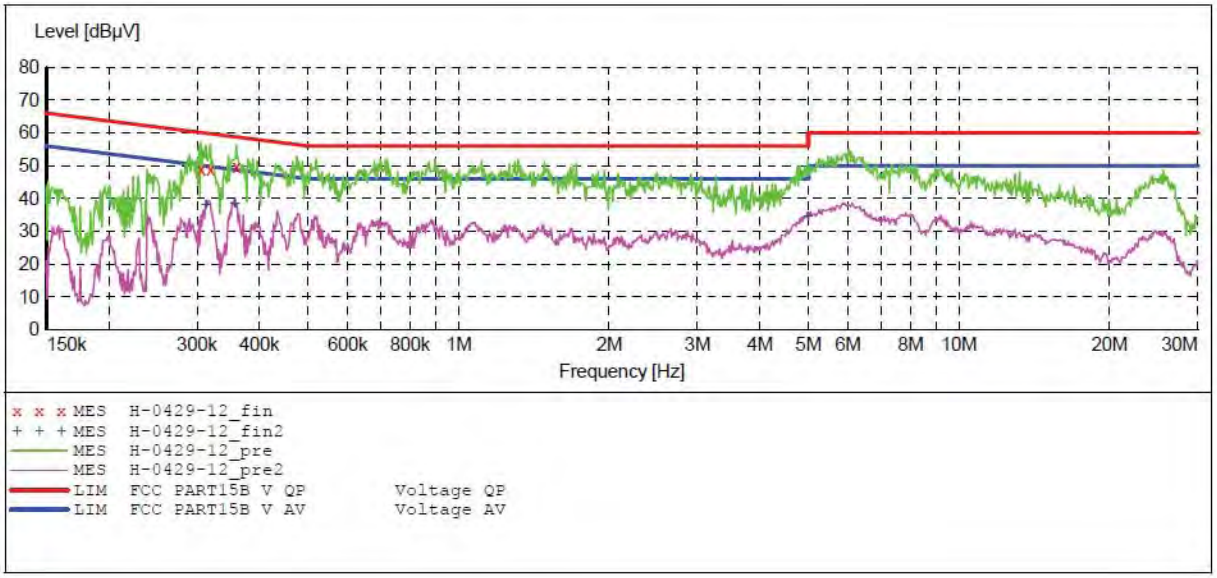
CONDUCTED EMISSION STANDARD FCC PART15B

EUT: HANNSpad M/N:HSG1248
Manufacturer: Hannspree Inc.
Operating Condition: Charging
Test Site: 1#Shielding Room
Operator: Bob
Test Specification: N AC120V/60Hz
Comment: Report NO.:ATE20120846
Start of Test: 4/29/2012 / 2:17:47PM

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

Short Description: _SUB_STD_VTERM2 1.70

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



MEASUREMENT RESULT: "H-0429-12_fin"

4/29/2012 2:19PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.305276	48.70	11.6	60.1	11.4	QP	N	GND
0.318980	48.70	11.6	59.7	11.0	QP	N	GND
0.359562	49.60	11.7	58.7	9.1	QP	N	GND

MEASUREMENT RESULT: "H-0429-12_fin2"

4/29/2012 2:19PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.312676	37.80	11.6	49.9	12.1	AV	N	GND
0.356703	38.50	11.7	48.8	10.3	AV	N	GND
4.992190	34.40	11.4	46	11.6	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

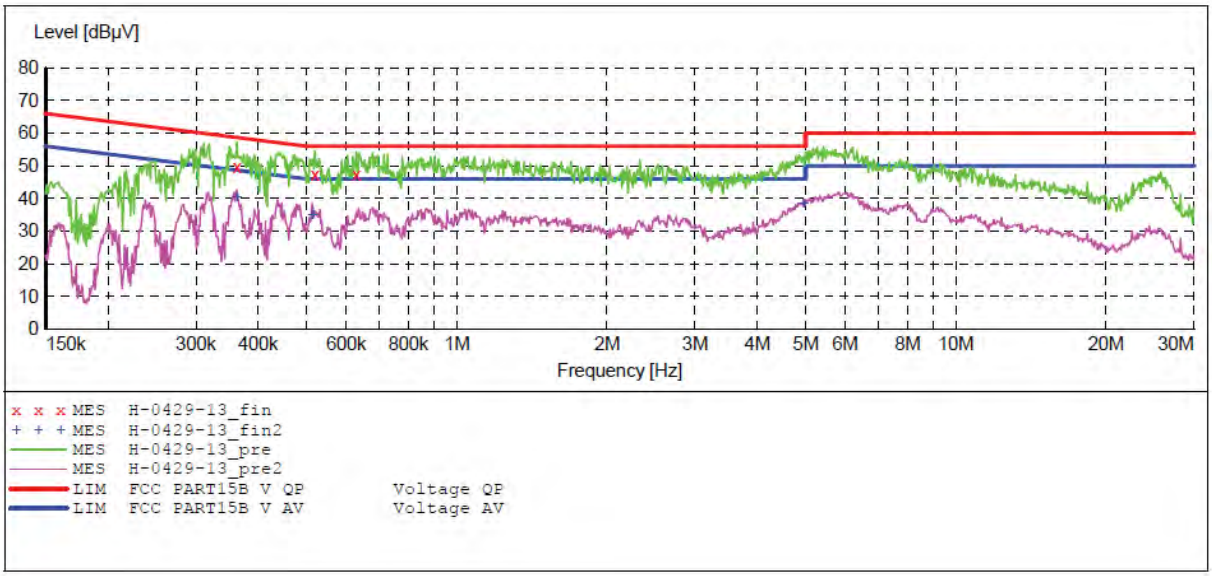
CONDUCTED EMISSION STANDARD FCC PART15B

EUT:	HANNSpad M/N:HSG1248
Manufacturer:	Hannspree Inc.
Operating Condition:	Charging
Test Site:	1#Shielding Room
Operator:	Bob
Test Specification:	L AC120V/60Hz
Comment:	Report NO.:ATE20120846
Start of Test:	4/29/2012 / 2:20:16PM

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

Short Description: _SUB_STD_VTERM2 1.70

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



MEASUREMENT RESULT: "H-0429-13_fin"

4/29/2012 2:22PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.362445	49.70	11.7	58.7	9.0	QP	L1	GND
0.519130	47.30	12.0	56	8.7	QP	L1	GND
0.628773	47.20	11.9	56	8.8	QP	L1	GND

MEASUREMENT RESULT: "H-0429-13_fin2"

4/29/2012 2:22PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.362445	40.30	11.7	48.7	8.4	AV	L1	GND
0.512950	35.00	12.0	46	11.0	AV	L1	GND
4.952491	38.50	11.4	46	7.5	AV	L1	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

Device is equipped with unique antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203.