

APPLICATION CERTIFICATION FCC Part 15C

On Behalf of
Interactive Toy Concepts Limited

WiFli Helicopter
Model No.: 50600

FCC ID: QE850600

Prepared for : Interactive Toy Concepts Limited
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Report Number : ATE20110978
Date of Test : May 30-June 9, 2011
Date of Report : June 9, 2011

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Test Report Certification

Applicant : Interactive Toy Concepts Limited

Manufacturer : Interactive Toy Concepts Limited

EUT Description : WiFli Helicopter

(A) MODEL NO.: 50600

(B) SERIAL NO.: N/A

(C) POWER SUPPLY: DC 3.7V

Measurement Procedure Used:

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

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

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

Date of Test : May 30-June 9, 2011

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	WiFli Helicopter
Model Number	:	50600
Frequency Band	:	2412-2462MHz
Number of Channels	:	11
Antenna Gain	:	0dBi
Power Supply	:	DC 3.7V (Lithium ion battery)
Data Rate	:	IEEE 802.11b: 11/5.5/2/1Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6Mbps
Applicant	:	Interactive Toy Concepts Limited
Address	:	Unit 709, 7/F., Tower 2, Cheung Sha Wan Plaza, No.833 Cheung Sha Wan Rd., Kowloon, Hong Kong
Manufacturer	:	Interactive Toy Concepts Limited
Address	:	Unit 709, 7/F., Tower 2, Cheung Sha Wan Plaza, No.833 Cheung Sha Wan Rd., Kowloon, Hong Kong
Date of sample received	:	May 30, 2011
Date of Test	:	May 30-June 9, 2011

1.2. Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC
The Registration Number is 752051

Listed by Industry Canada
The Registration Number is 5077A-2

Accredited by China National Accreditation Committee
for Laboratories
The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD

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

1.3. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2
(9kHz-30MHz)

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

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

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 15, 2012
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 15, 2012
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 15, 2012
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 15, 2012
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 15, 2012
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 15, 2012
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 15, 2012
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 15, 2012
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 15, 2012
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 15, 2012

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The mode is used: **802.11b Transmitting mode**

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

802.11g Transmitting mode

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

3.2.Configuration and peripherals

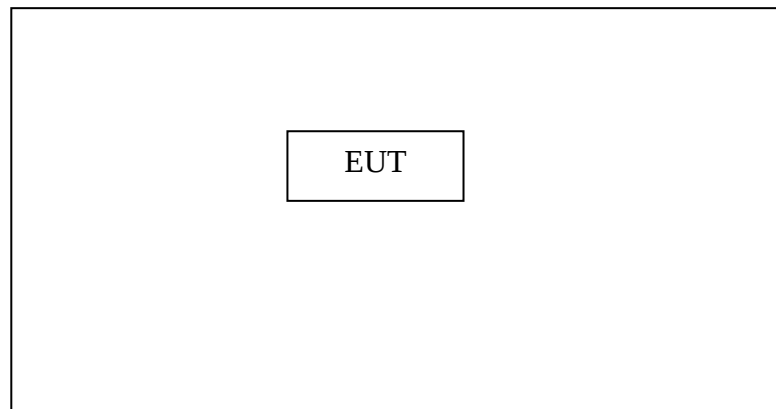


Figure 1 Setup: Transmitting mode

4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.247(a)(2)	6dB Bandwidth Test	Compliant
Section 15.247(e)	Power Spectral Density Test	Compliant
Section 15.247(b)(3)	Maximum Peak Output Power Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.247(d) Section 15.209	Radiated Spurious Emission Test	Compliant
Section 15.207	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: WiFli Helicopter)

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. WiFli Helicopter (EUT)

Model Number	:	50600
Serial Number	:	N/A
Manufacturer	:	Interactive Toy Concepts Limited

5.4. Operating Condition of EUT

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

5.4.2. Turn on the power of all equipment.

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

5.5. Test Procedure

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

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

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

5.6. Test Result

PASS.

Date of Test:	May 31, 2011	Temperature:	25°C
EUT:	WiFi Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	DC 3.7V
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b

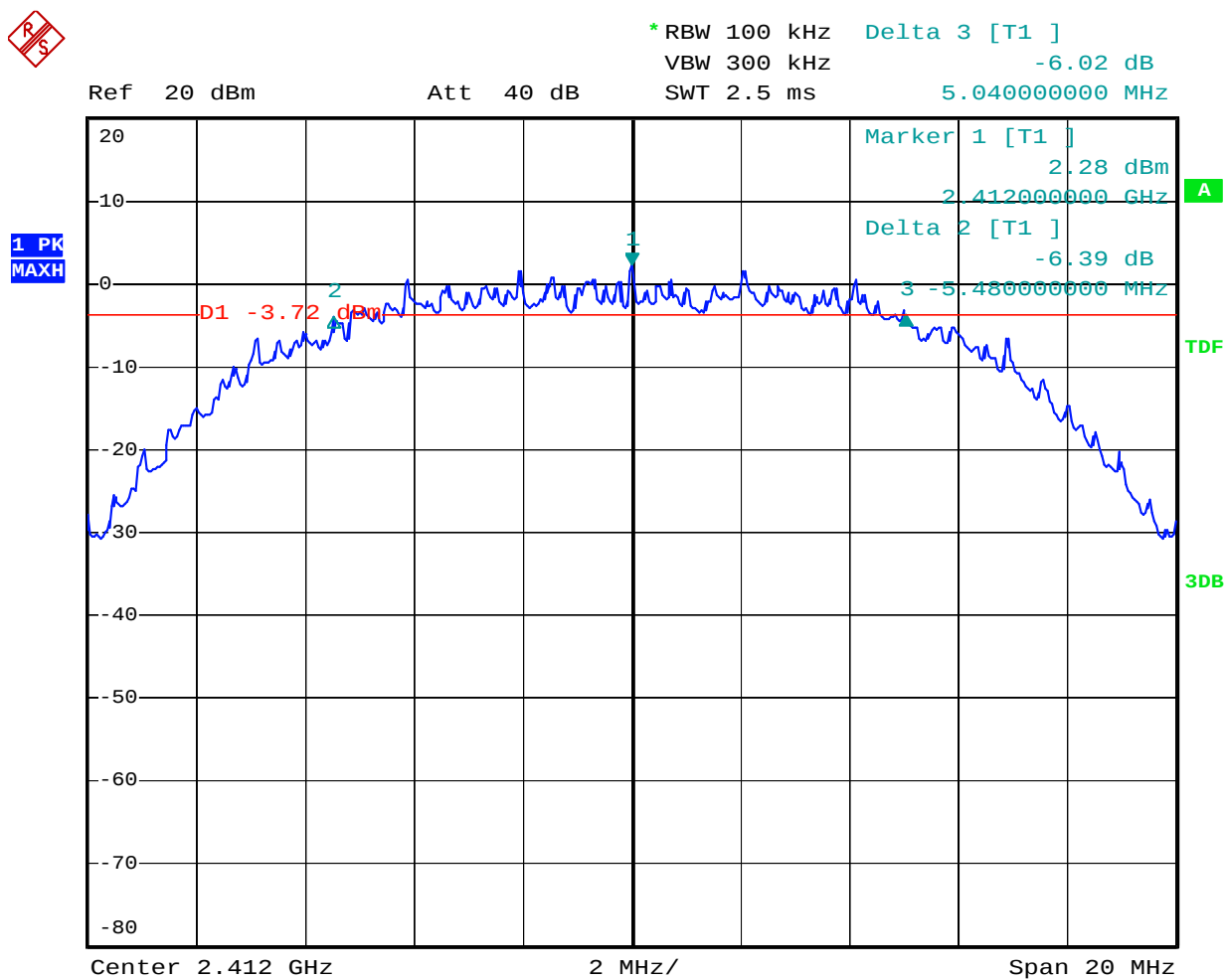
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	5.04	> 0.5MHz
Middle	2437	5.08	> 0.5MHz
High	2462	5.04	> 0.5MHz

The test was performed with 802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	6.96	> 0.5MHz
Middle	2437	7.04	> 0.5MHz
High	2462	6.96	> 0.5MHz

The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



Date: 31.MAY.2011 19:01:31

802.11b Channel Middle 2437MHz

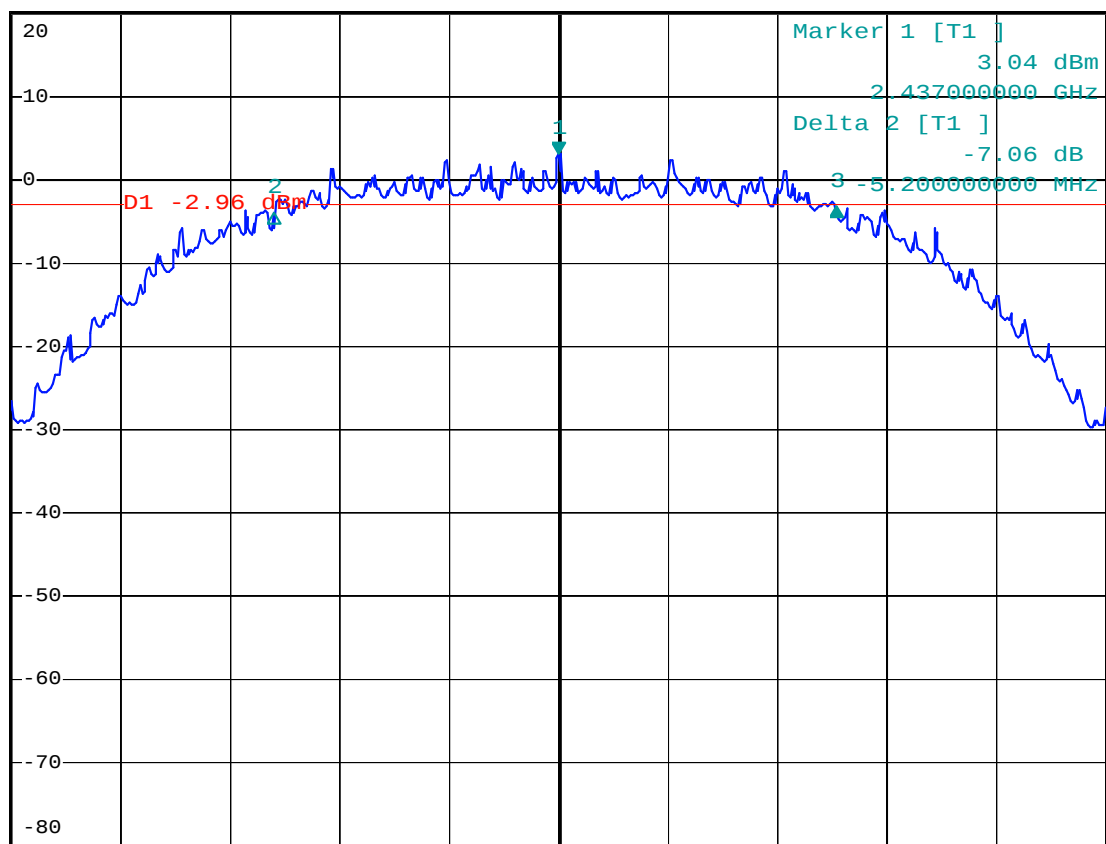


* RBW 100 kHz Delta 3 [T1]
 VBW 300 kHz -6.30 dB
 SWT 2.5 ms 5.080000000 MHz

Ref 20 dBm

Att 40 dB

1 PK
 MAXH



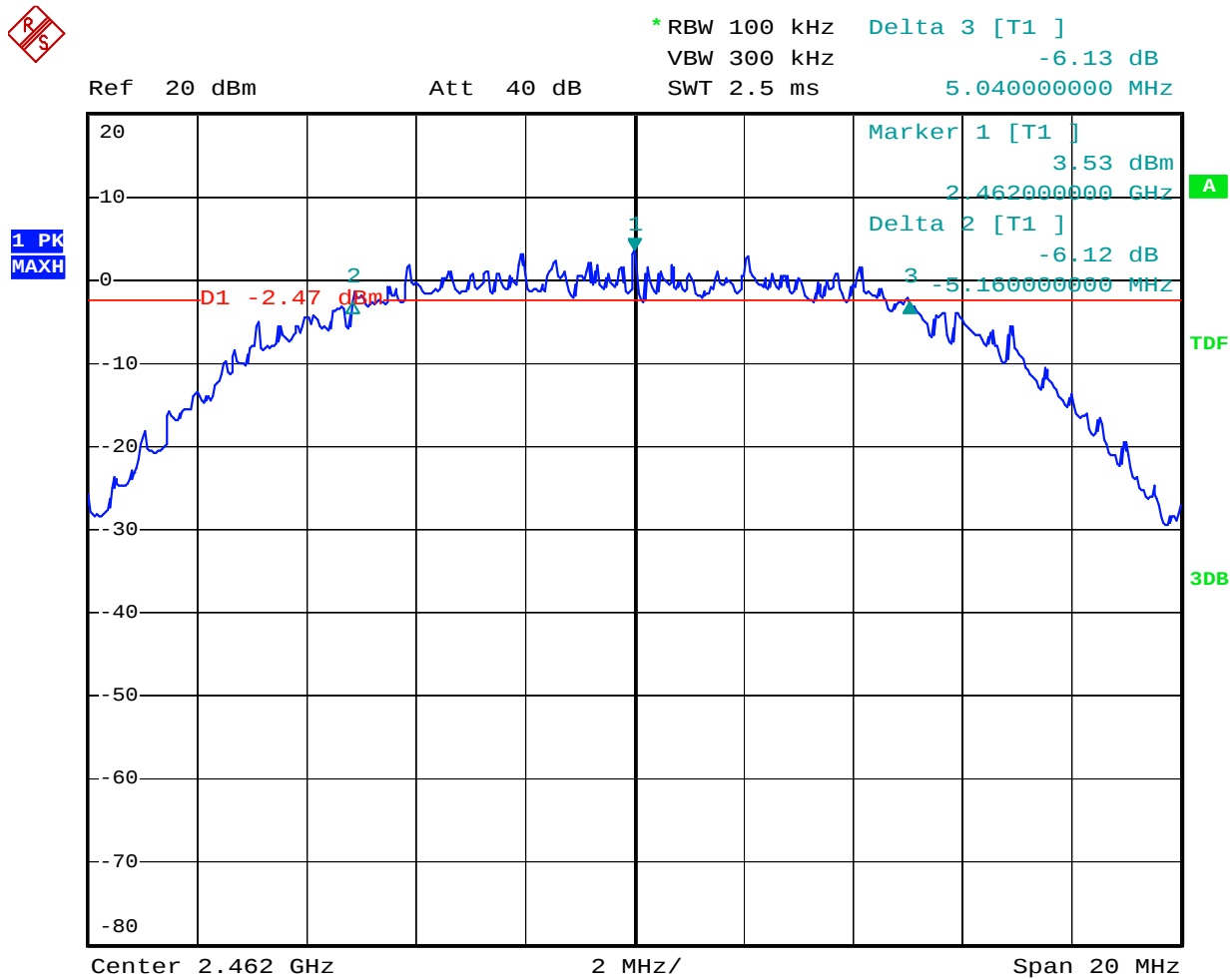
Center 2.437 GHz

2 MHz/

Span 20 MHz

Date: 31.MAY.2011 19:09:45

802.11b Channel High 2462MHz



Date: 31.MAY.2011 19:06:52

802.11g Channel Middle 2437MHz

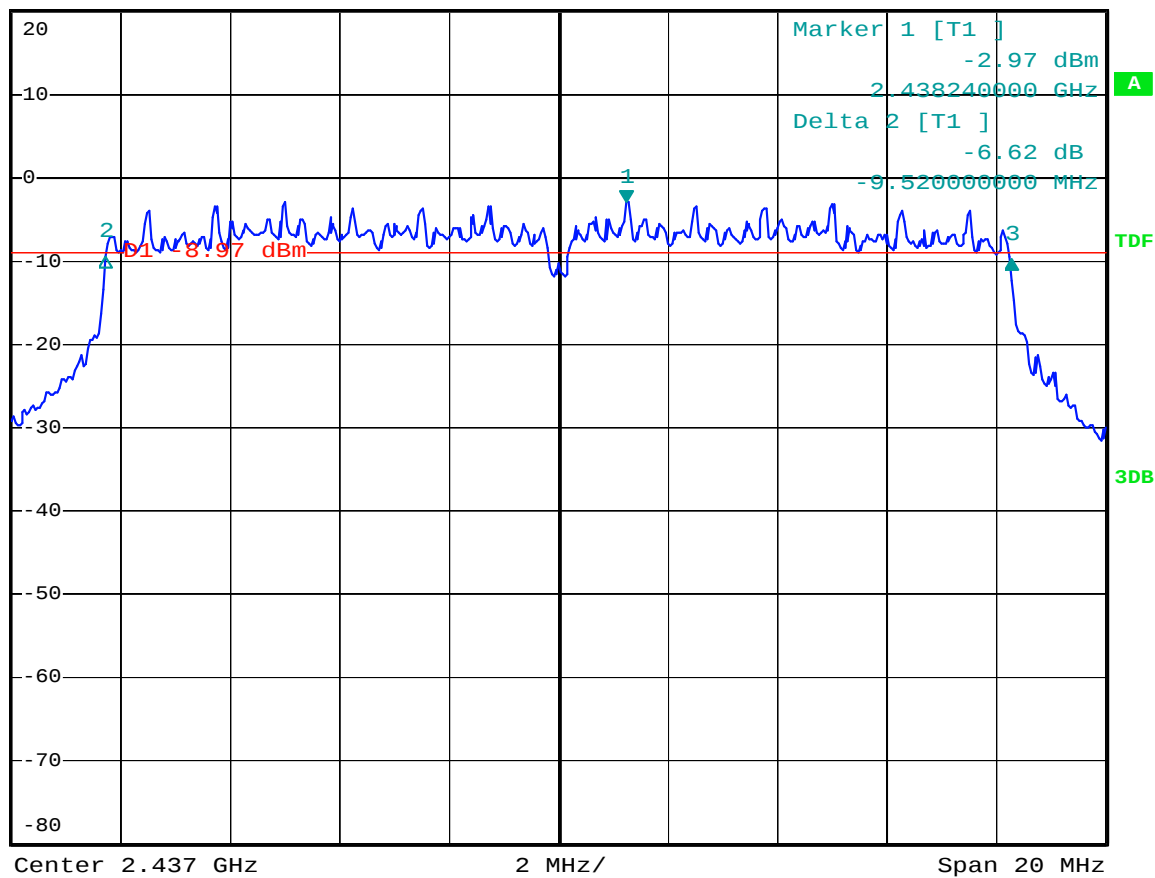


* RBW 100 kHz Delta 3 [T1]
 VBW 300 kHz -6.85 dB
 SWT 2.5 ms 7.040000000 MHz

Ref 20 dBm

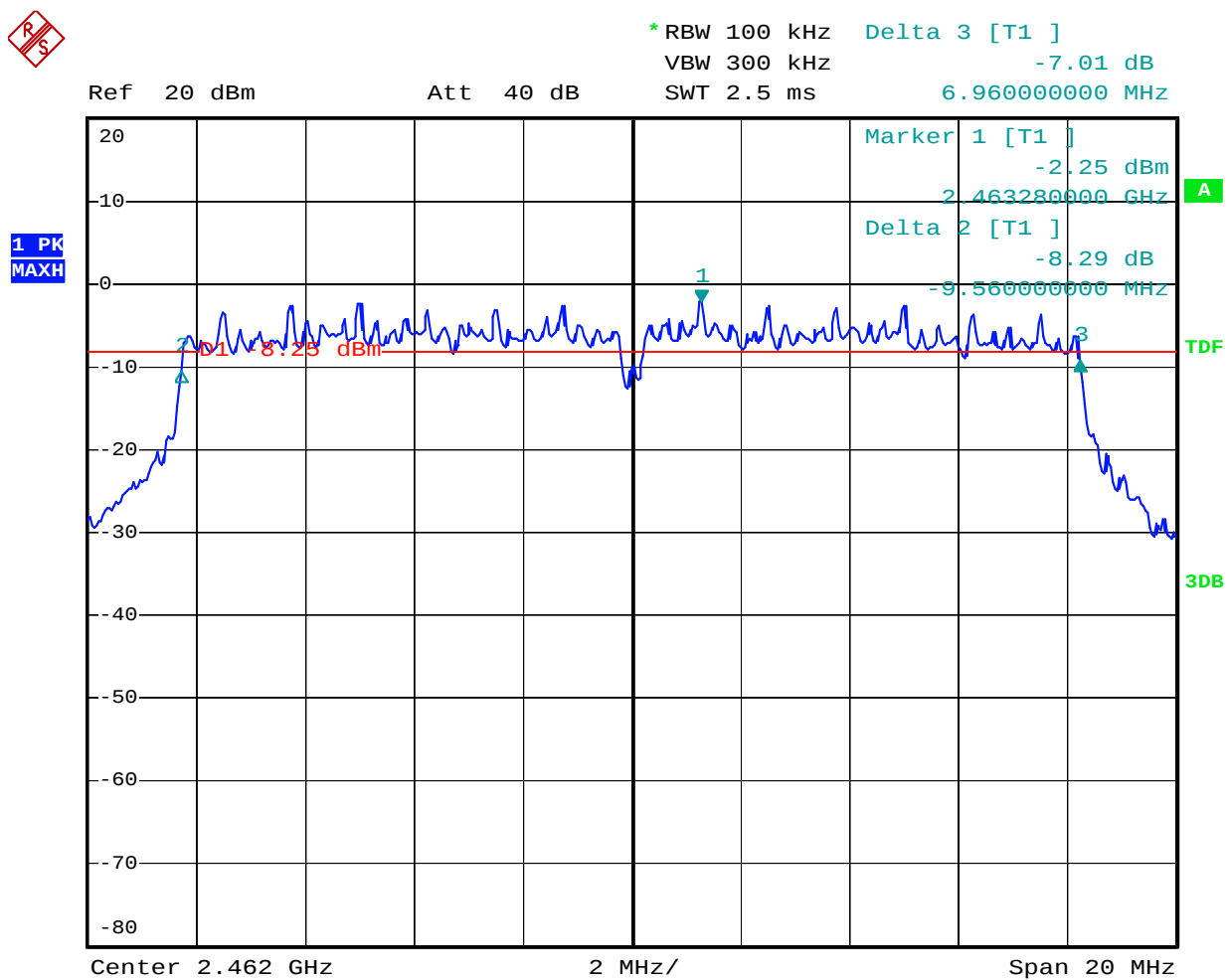
Att 40 dB

1 PK
 MAXH



Date: 31.MAY.2011 19:16:44

802.11g Channel High 2462MHz



Date: 31.MAY.2011 19:19:51

6. MAXIMUM PEAK OUTPUT POWER

6.1. Block Diagram of Test Setup



(EUT: WiFli Helicopter)

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. WiFli Helicopter (EUT)

Model Number	:	50600
Serial Number	:	N/A
Manufacturer	:	Interactive Toy Concepts Limited

6.4. Operating Condition of EUT

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

6.4.2. Turn on the power of all equipment.

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

6.5. Test Procedure

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

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

6.5.3. Measurement the maximum peak output power.

6.6. Test Result

PASS.

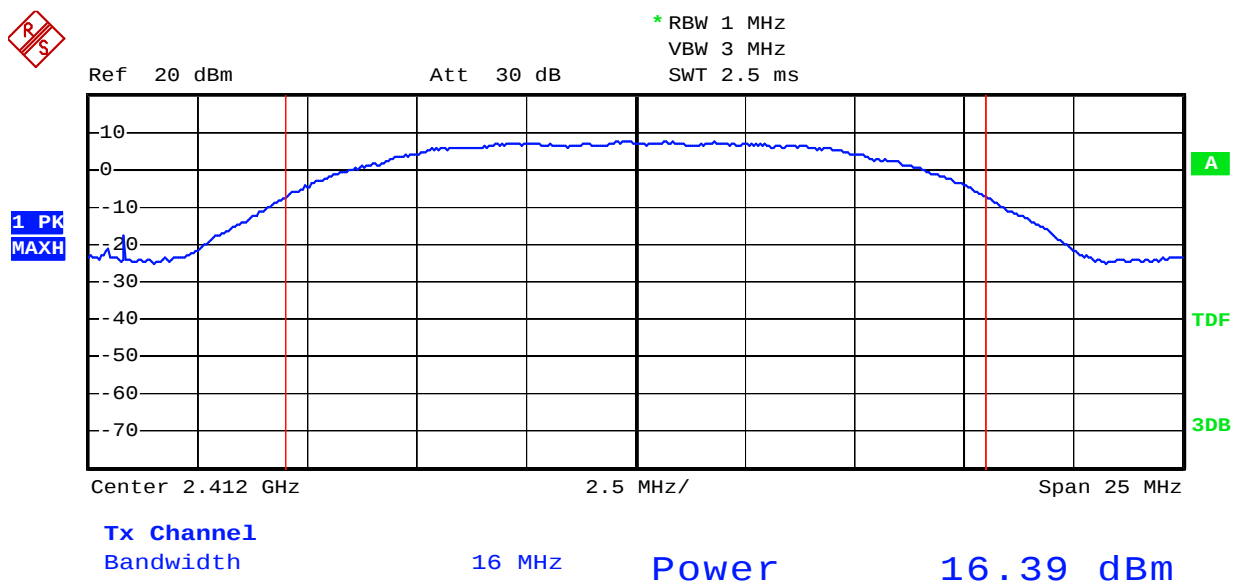
Date of Test:	<u>May 31, 2011</u>	Temperature:	<u>25°C</u>
EUT:	<u>WiFli Helicopter</u>	Humidity:	<u>50%</u>
Model No.:	<u>50600</u>	Power Supply:	<u>DC 3.7V</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Pei</u>

The test was performed with 802.11b				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	16.39	43.55	30 dBm / 1 W
Middle	2437	16.70	46.77	30 dBm / 1 W
High	2462	17.32	53.95	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	14.34	27.16	30 dBm / 1 W
Middle	2437	15.28	33.73	30 dBm / 1 W
High	2462	16.50	44.67	30 dBm / 1 W

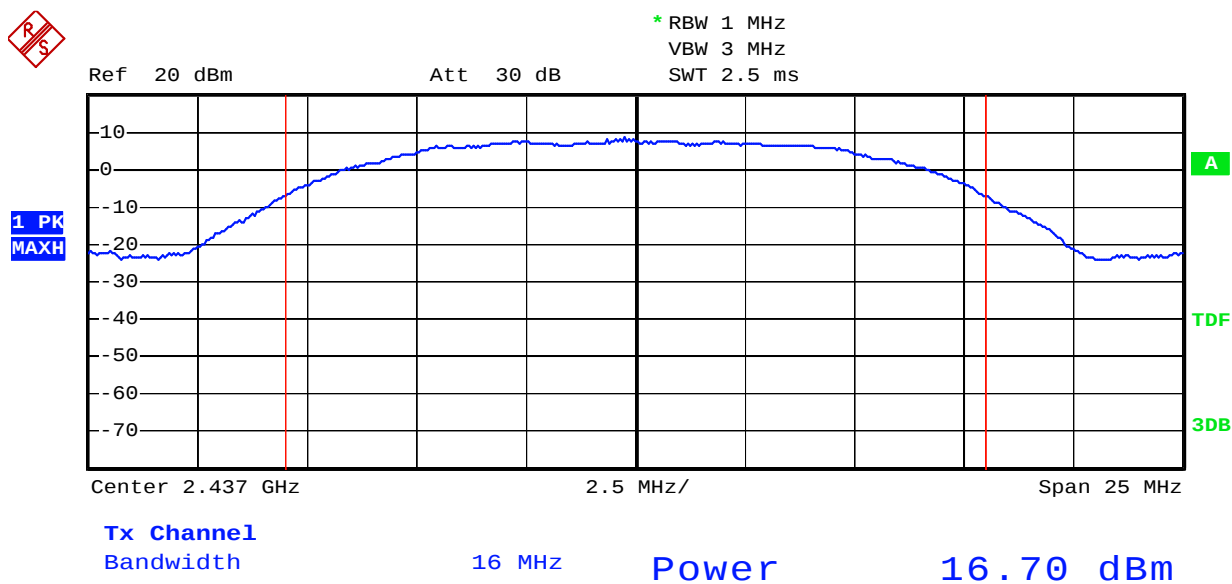
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



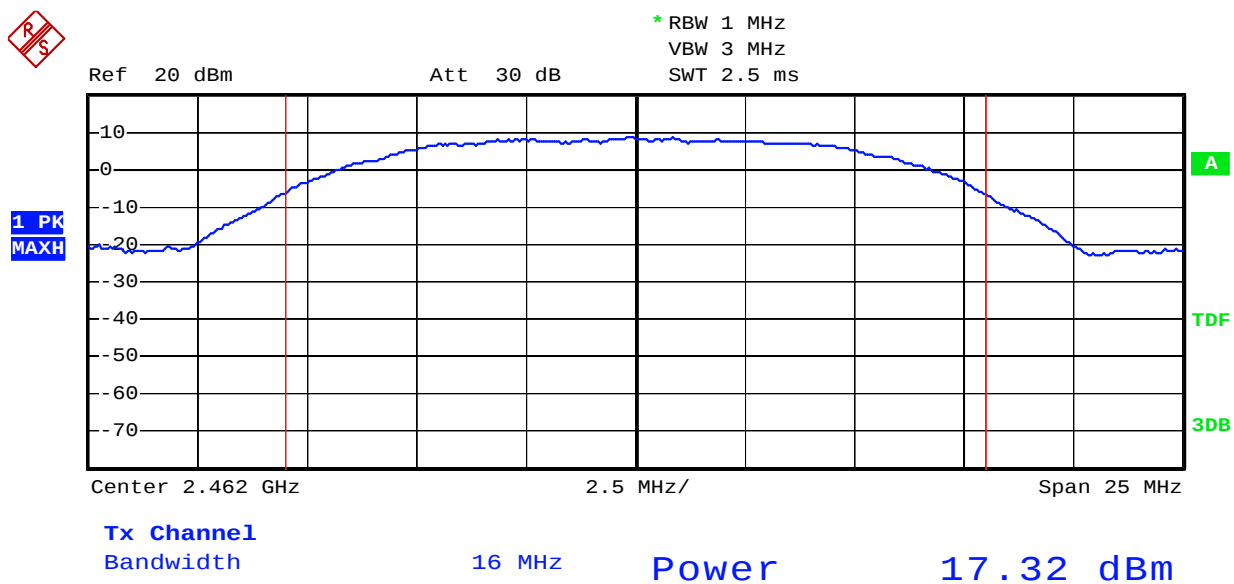
Date: 31.MAY.2011 20:08:14

802.11b Channel Middle 2437MHz



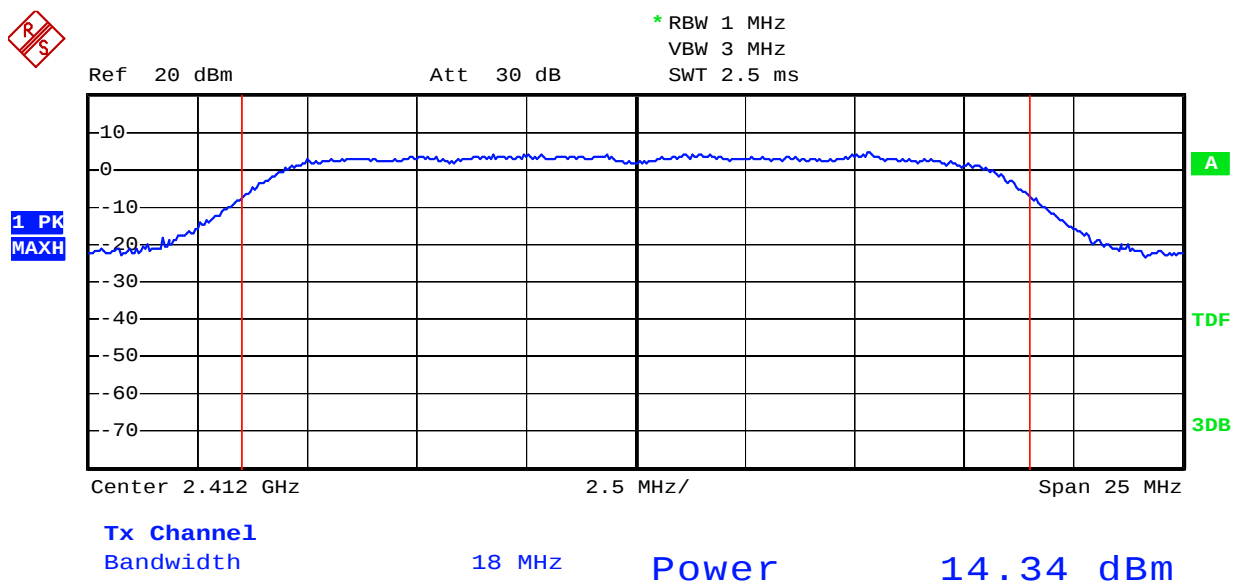
Date: 31.MAY.2011 20:05:42

802.11b Channel High 2462MHz



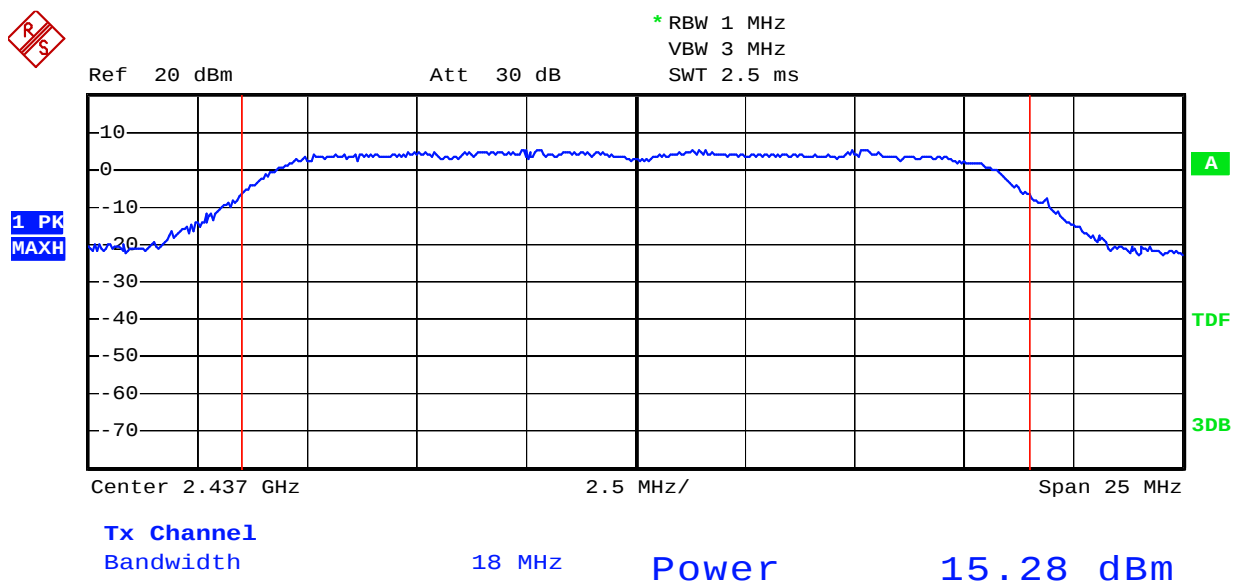
Date: 31.MAY.2011 20:03:23

802.11g Channel Low 2412MHz



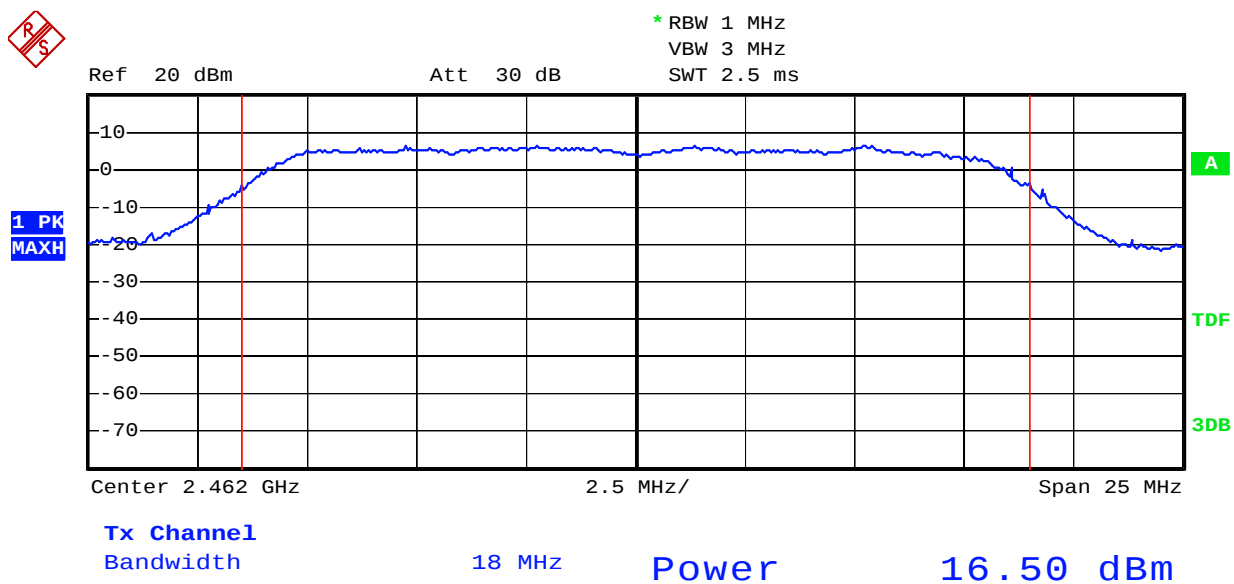
Date: 31.MAY.2011 19:31:54

802.11g Channel Middle 2437MHz



Date: 31.MAY.2011 19:30:05

802.11g Channel High 2462MHz



Date: 31.MAY.2011 20:01:15

7. POWER SPECTRAL DENSITY MEASUREMENT

7.1. Block Diagram of Test Setup



(EUT: WiFli Helicopter)

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. WiFli Helicopter (EUT)

Model Number	:	50600
Serial Number	:	N/A
Manufacturer	:	Interactive Toy Concepts Limited

7.4. Operating Condition of EUT

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

7.4.2. Turn on the power of all equipment.

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

7.5. Test Procedure

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

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

7.5.3. Measurement the maximum power spectral density.

7.6. Test Result

PASS.

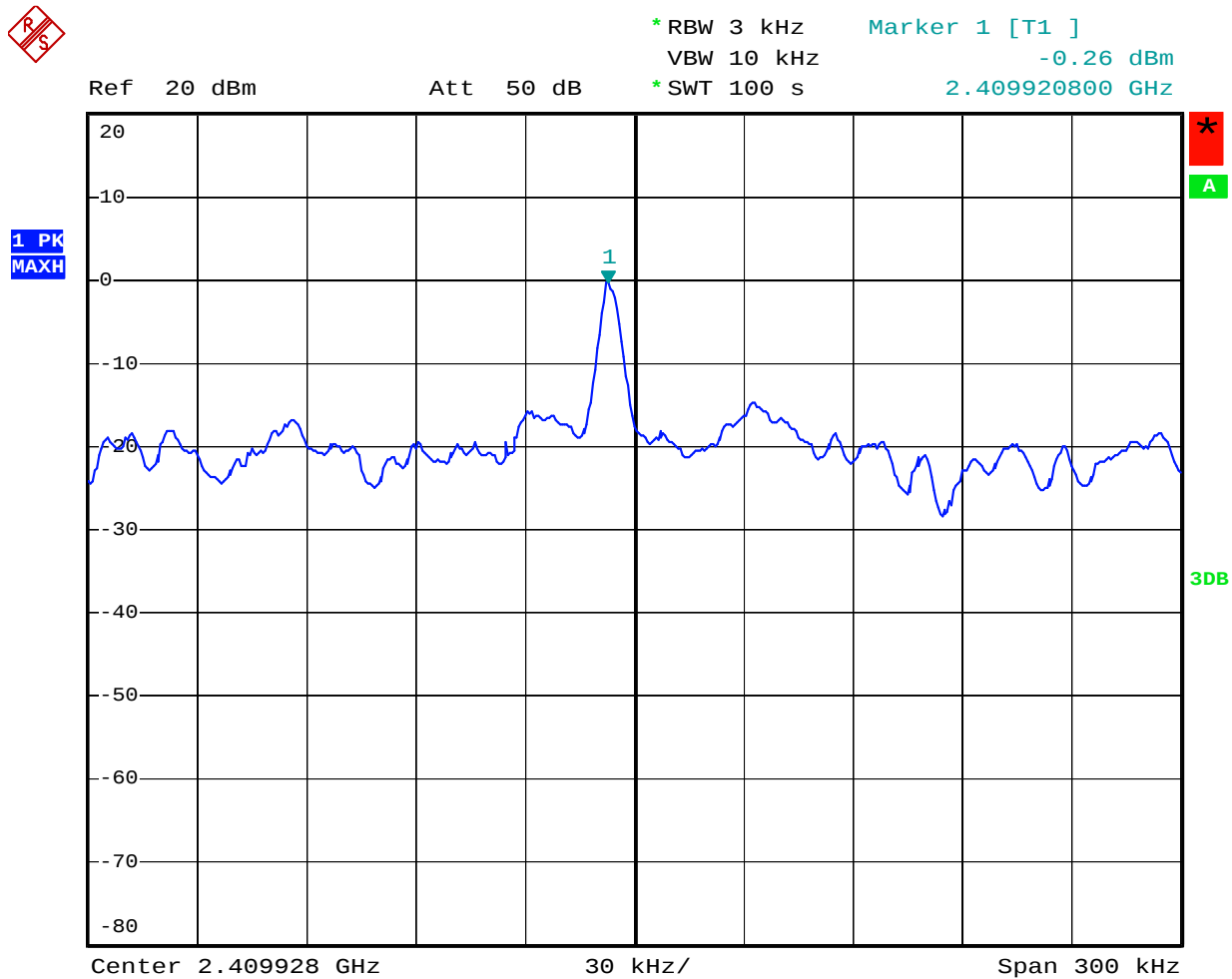
Date of Test:	June 2, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	DC 3.7V
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b			
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-0.26	8 dBm
Middle	2437	-2.03	8 dBm
High	2462	-1.58	8 dBm

The test was performed with 802.11g			
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-24.51	8 dBm
Middle	2437	-22.73	8 dBm
High	2462	-25.52	8 dBm

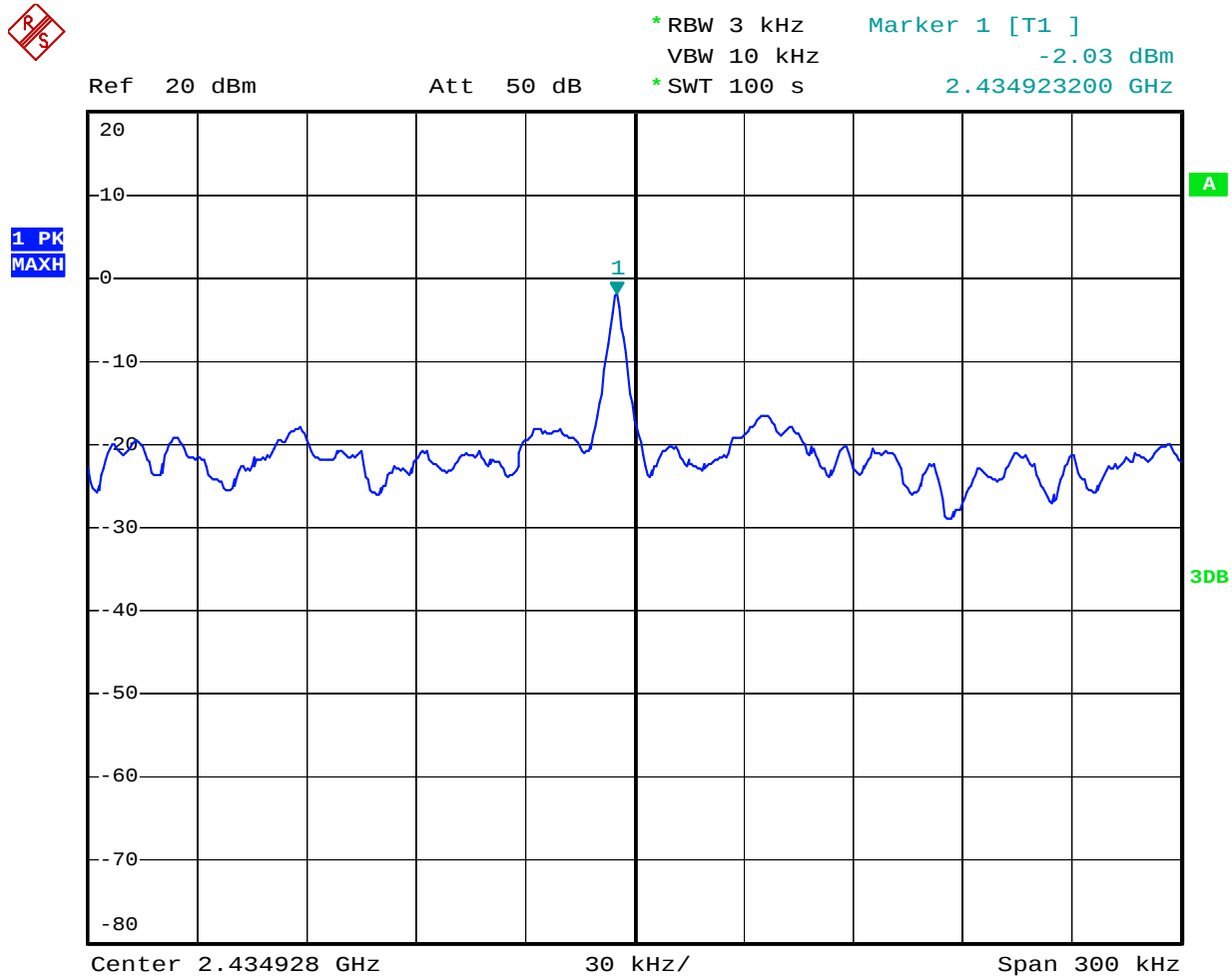
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



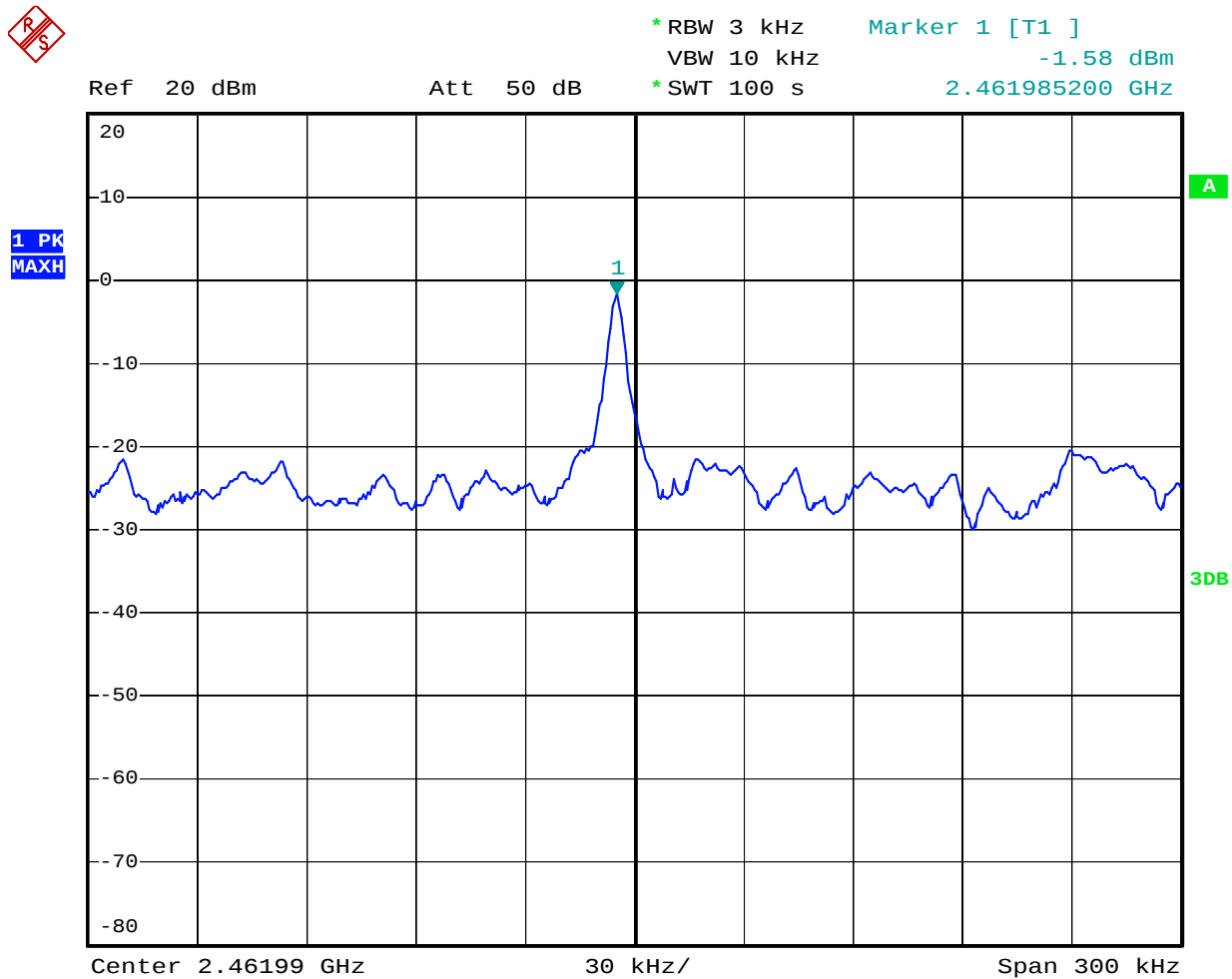
Date: 2.JUN.2011 19:20:48

802.11b Channel Middle 2437MHz



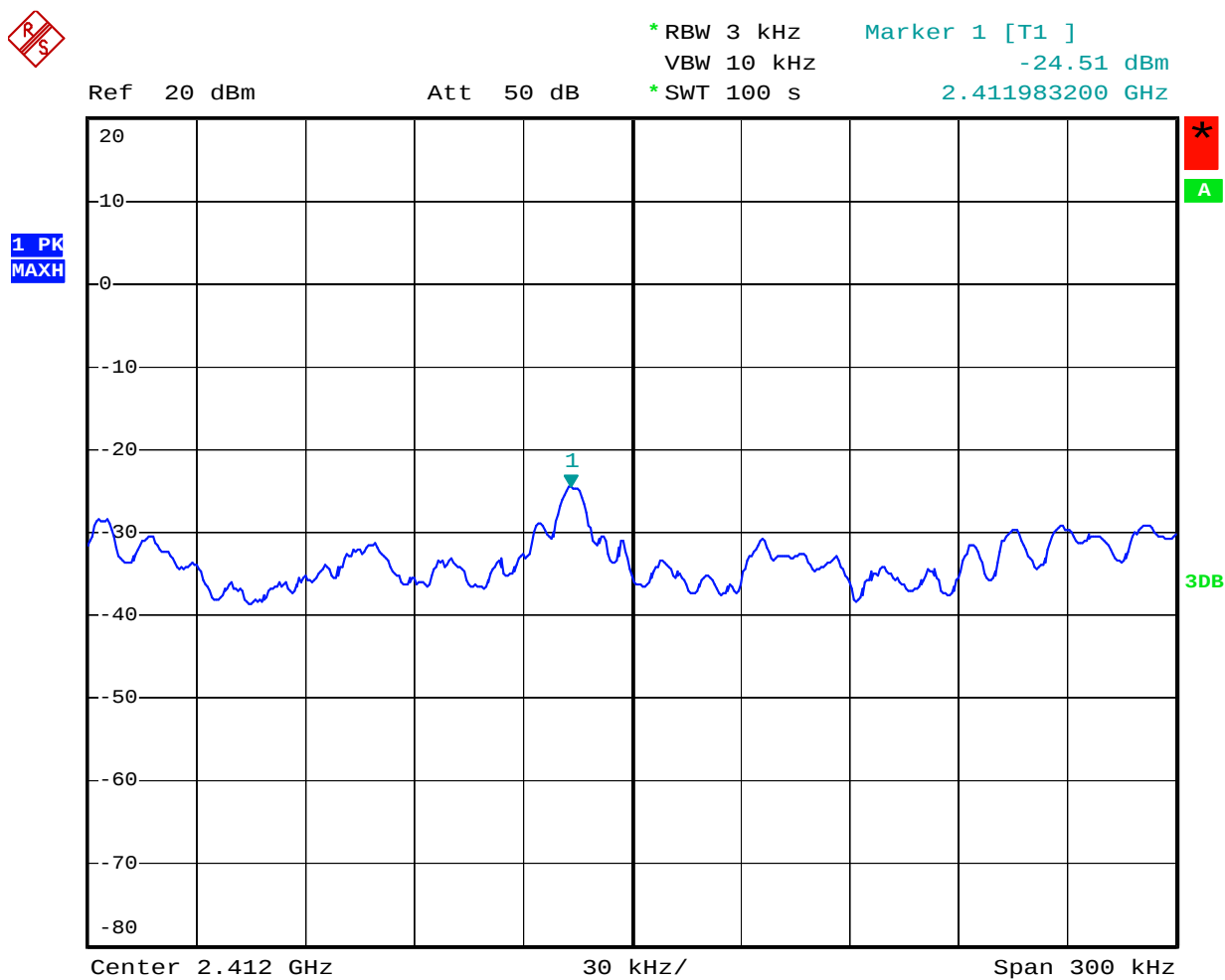
Date: 2.JUN.2011 19:23:26

802.11b Channel High 2462MHz



Date: 2.JUN.2011 19:26:00

802.11g Channel Low 2412MHz



Date: 2.JUN.2011 19:14:14

802.11g Channel Middle 2437MHz



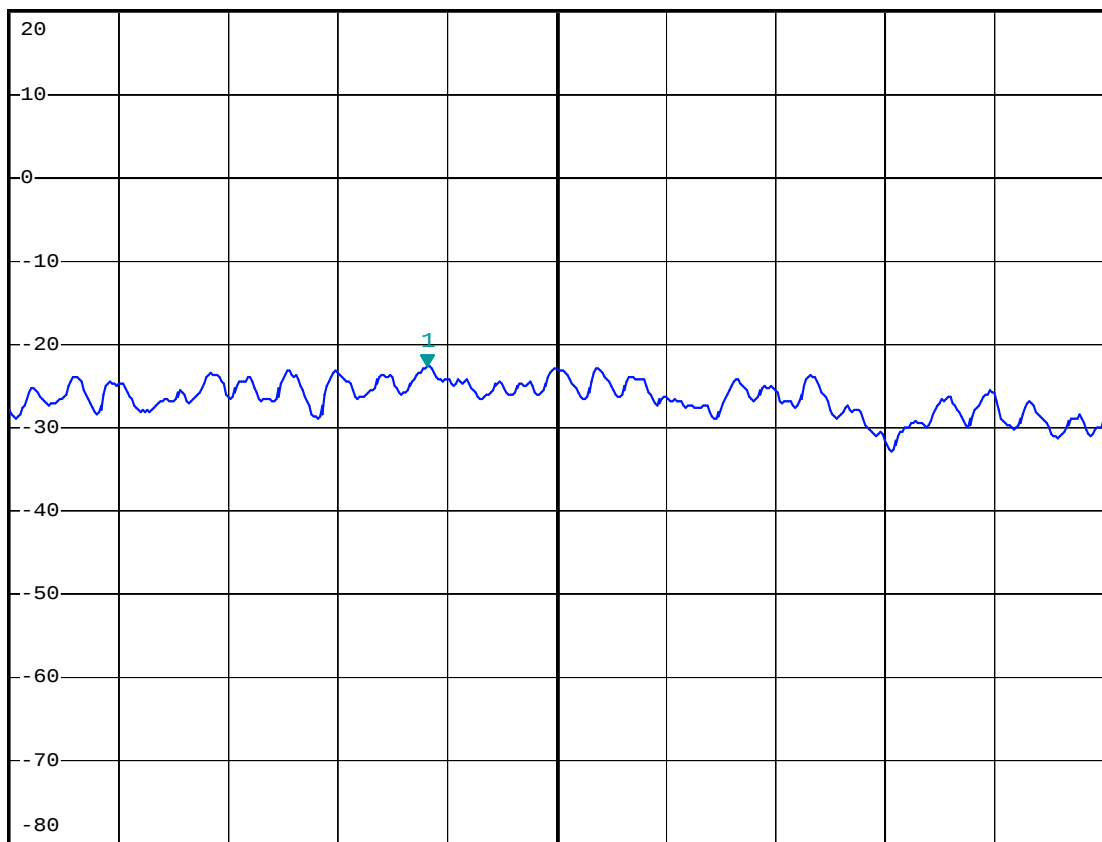
* RBW 3 kHz
 VBW 10 kHz
 * SWT 100 s

Marker 1 [T1]
 -22.73 dBm
 2.439796600 GHz

Ref 20 dBm

Att 50 dB

1 PK
 MAXH



Center 2.439832 GHz

30 kHz/

Span 300 kHz

Date: 2.JUN.2011 19:07:11

802.11g Channel High 2462MHz

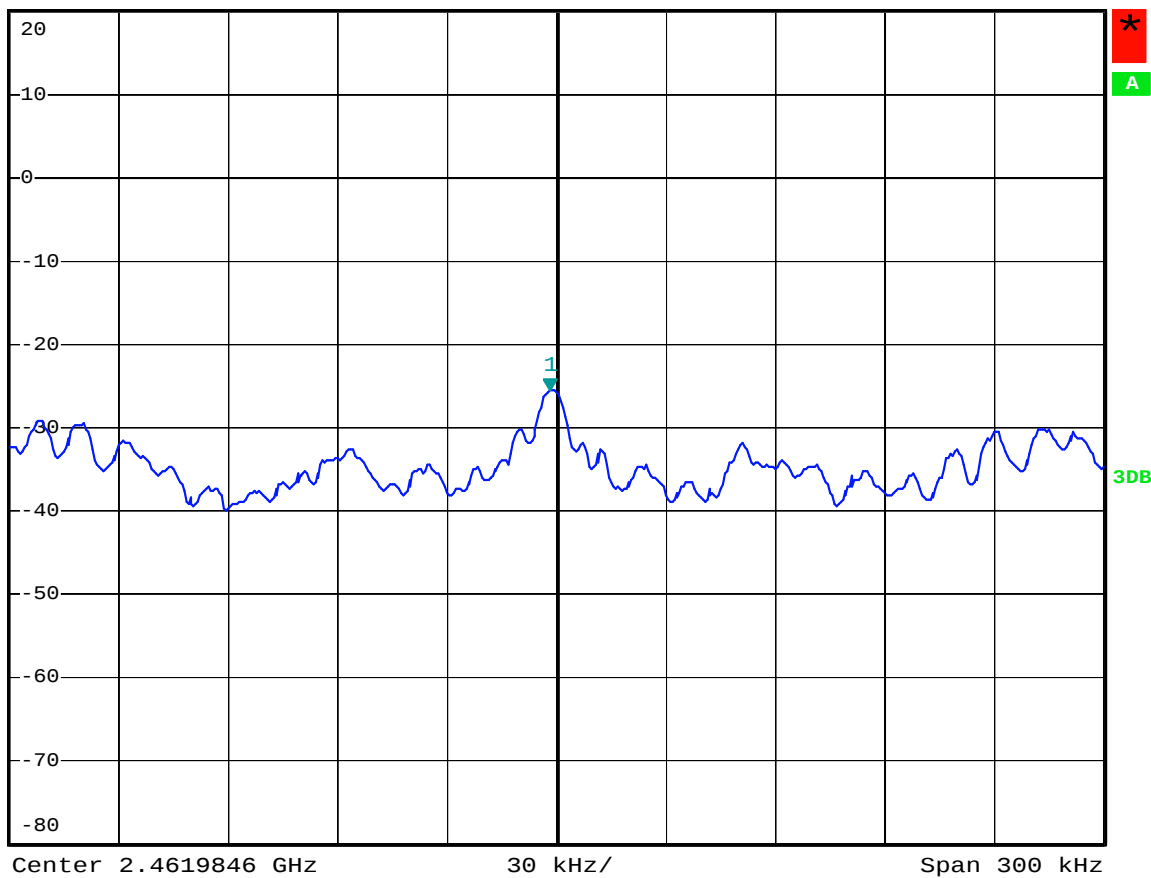


* RBW 3 kHz
 VBW 10 kHz
 * SWT 100 s
 Marker 1 [T1]
 -25.52 dBm
 2.461982800 GHz

Ref 20 dBm

Att 50 dB

1 PK
 MAXH



Date: 2.JUN.2011 19:09:50

8. BAND EDGE COMPLIANCE TEST

8.1. Block Diagram of Test Setup



(EUT: WiFli Helicopter)

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. WiFli Helicopter (EUT)

Model Number	:	50600
Serial Number	:	N/A
Manufacturer	:	Interactive Toy Concepts Limited

8.4. Operating Condition of EUT

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

8.4.2. Turn on the power of all equipment.

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

8.5. Test Procedure

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

8.5.2. Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz with convenient frequency span.

8.5.3. The band edges was measured and recorded.

8.6. Test Result

Pass**Conducted test**

Date of Test:	June 2, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	DC 3.7V
Test Mode:	TX	Test Engineer:	Pei

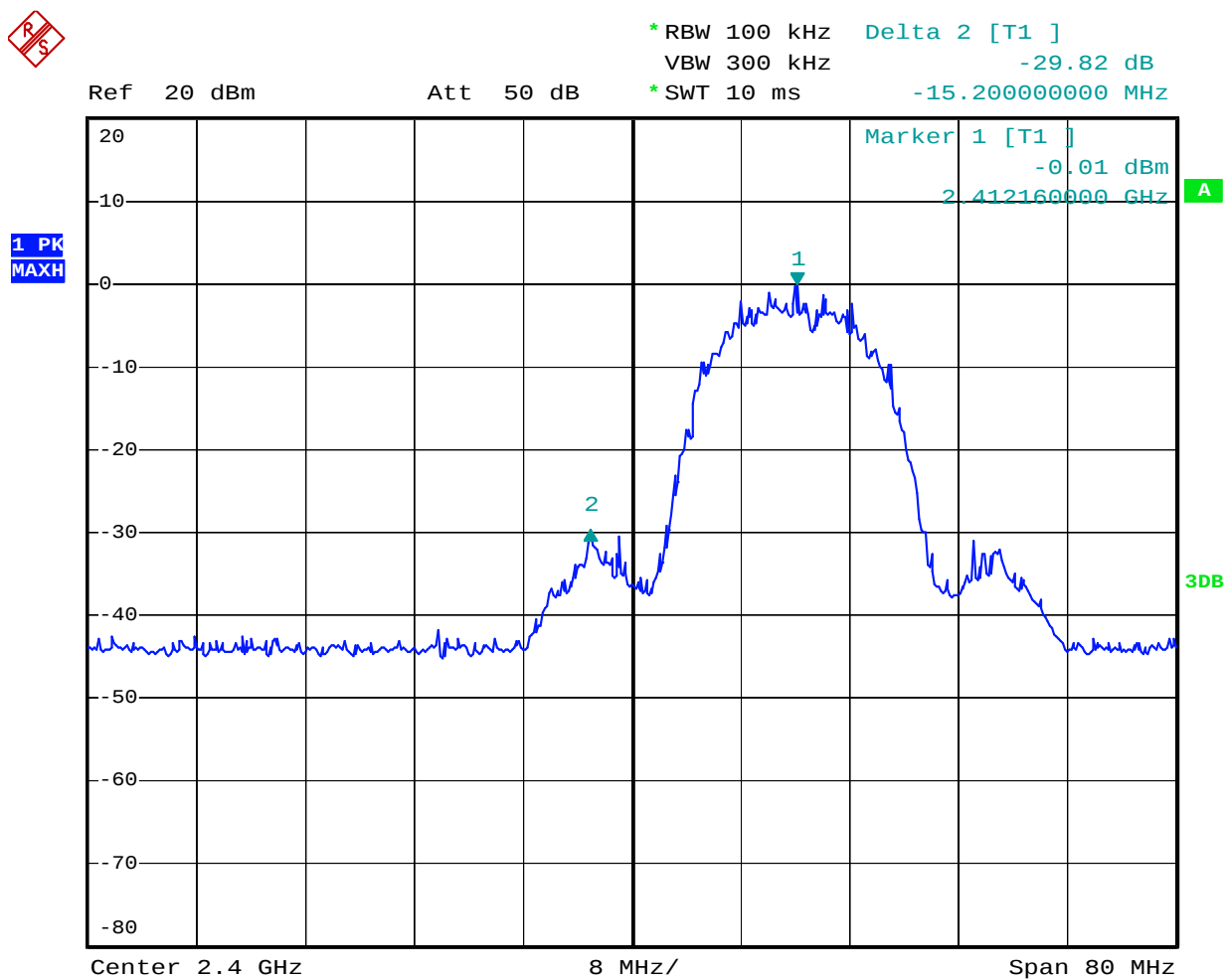
The test was performed with 802.11b

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	29.82	> 20dBc
2462	40.57	> 20dBc

The test was performed with 802.11g

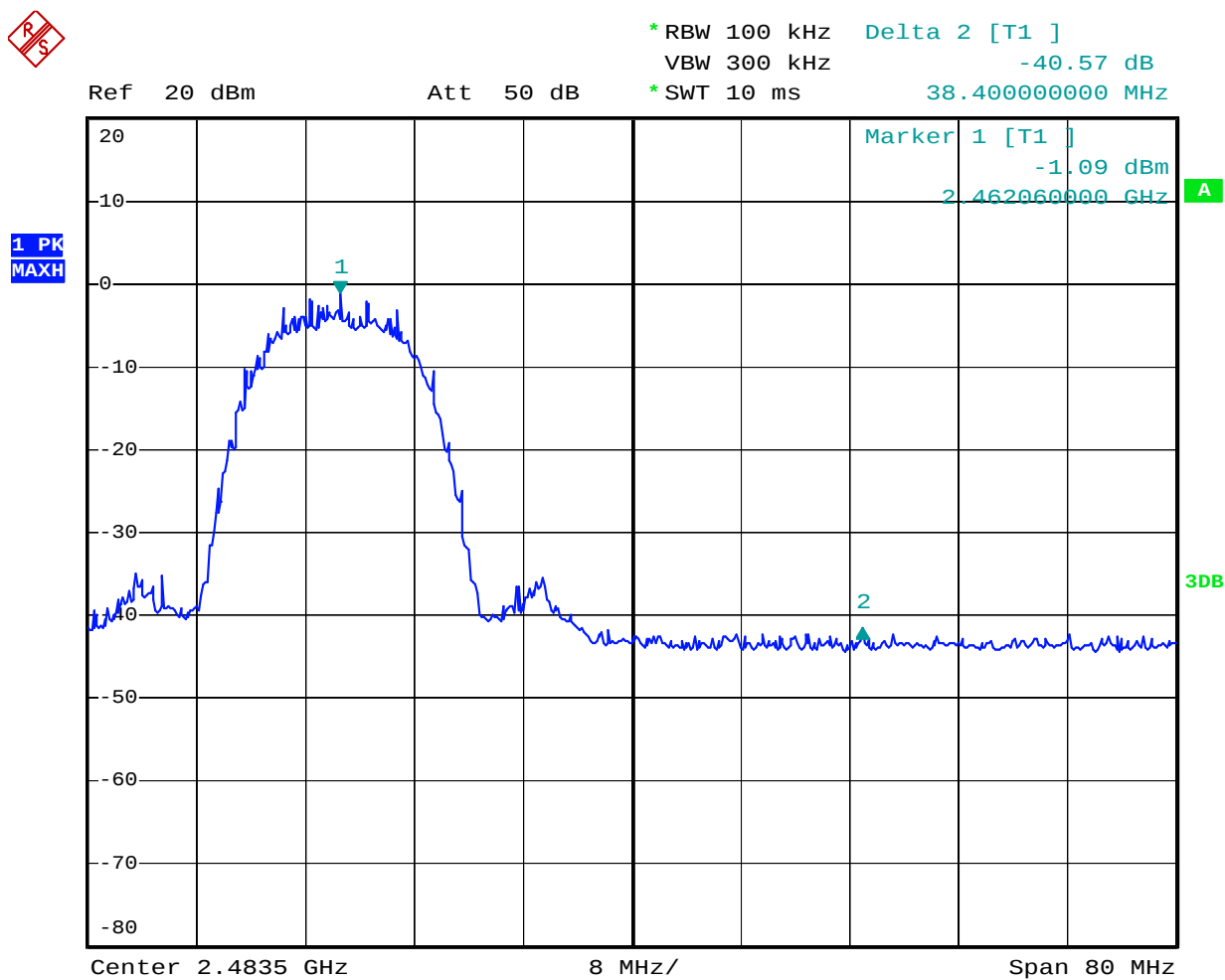
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	25.79	> 20dBc
2462	37.93	> 20dBc

802.11b Channel Low 2412MHz



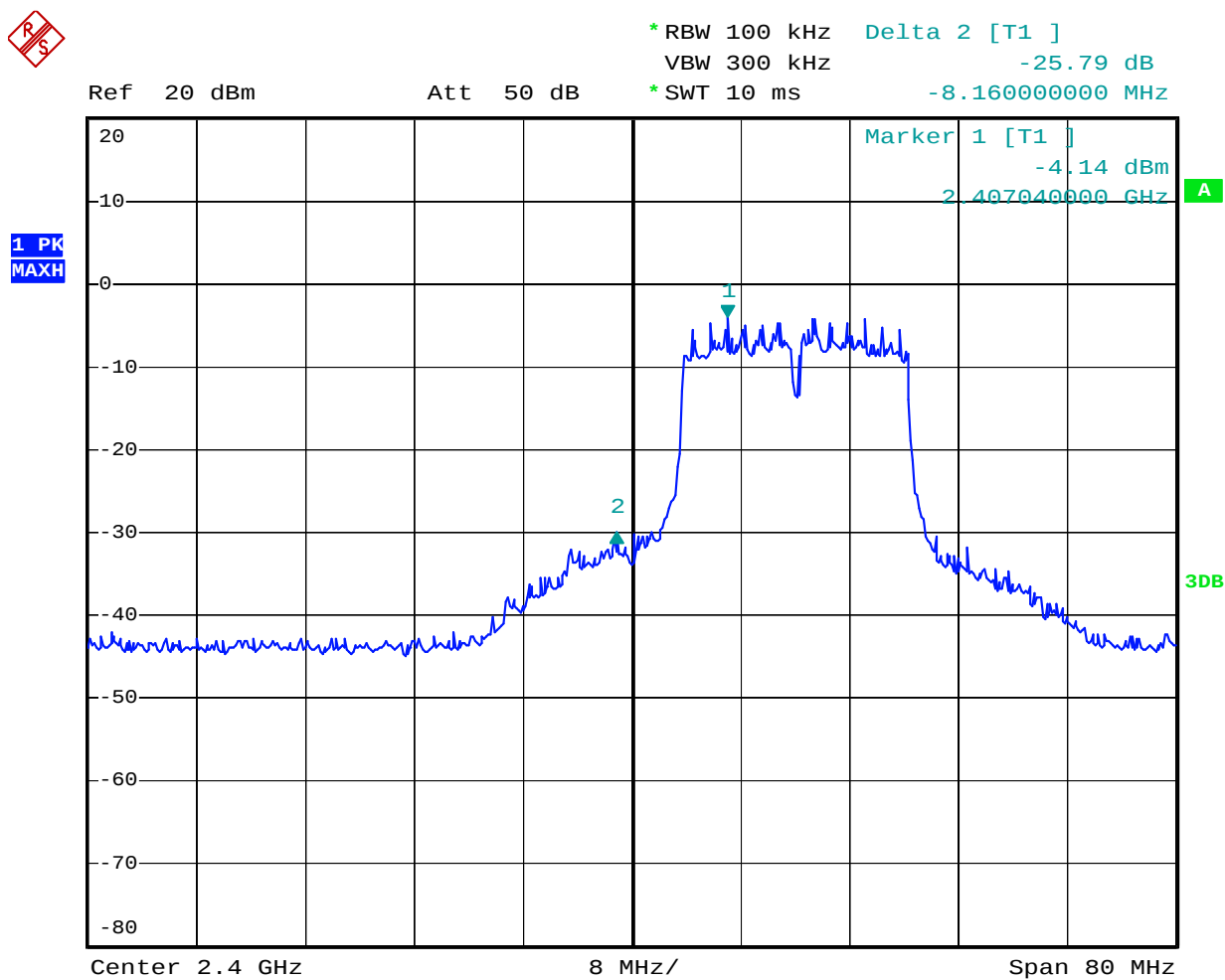
Date: 2.JUN.2011 17:54:20

802.11b Channel High 2462MHz



Date: 2.JUN.2011 19:30:13

802.11g Channel Low 2412MHz



Date: 2.JUN.2011 17:52:10

802.11g Channel High 2462MHz

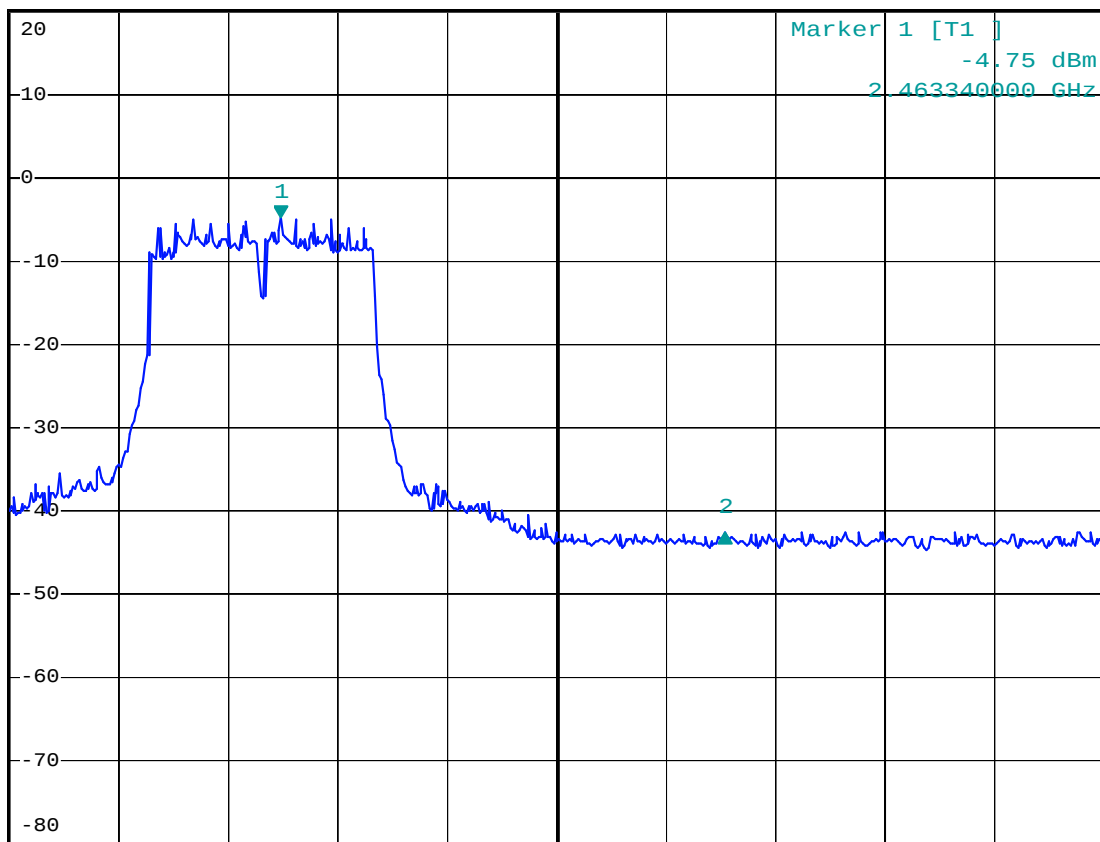


* RBW 100 kHz Delta 2 [T1]
 VBW 300 kHz -37.95 dB
 * SWT 10 ms 32.480000000 MHz

Ref 20 dBm

Att 50 dB

1 PK
 MAXH



Center 2.4835 GHz

8 MHz/

Span 80 MHz

Date: 2.JUN.2011 19:33:46

Radiated Band Edge Result

Date of Test:	<u>May 29, 2011</u>	Temperature:	<u>25°C</u>
EUT:	<u>WiFli Helicopter</u>	Humidity:	<u>50%</u>
Model No.:	<u>50600</u>	Power Supply:	<u>DC 3.7V</u>
Test Mode:	<u>802.11b Channel Low 2412MHz</u>	Test Engineer:	<u>Pei</u>

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

Note:

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

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test:	<u>May 29, 2011</u>	Temperature:	<u>25°C</u>
EUT:	<u>WiFli Helicopter</u>	Humidity:	<u>50%</u>
Model No.:	<u>50600</u>	Power Supply:	<u>DC 3.7V</u>
Test Mode:	<u>802.11b Channel High 2462MHz</u>	Test Engineer:	<u>Pei</u>

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

Note:

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

Date of Test:	May 29, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	DC 3.7V
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Pei

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

Note:

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

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test:	May 29, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	DC 3.7V
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Pei

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

Note:

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


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Site: 966 chamber

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Fax:+86-0755-26503396

Job No.: joe #1194

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: WiFli Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts Limited

Polarization: Horizontal

Power Source: DC 3.7V

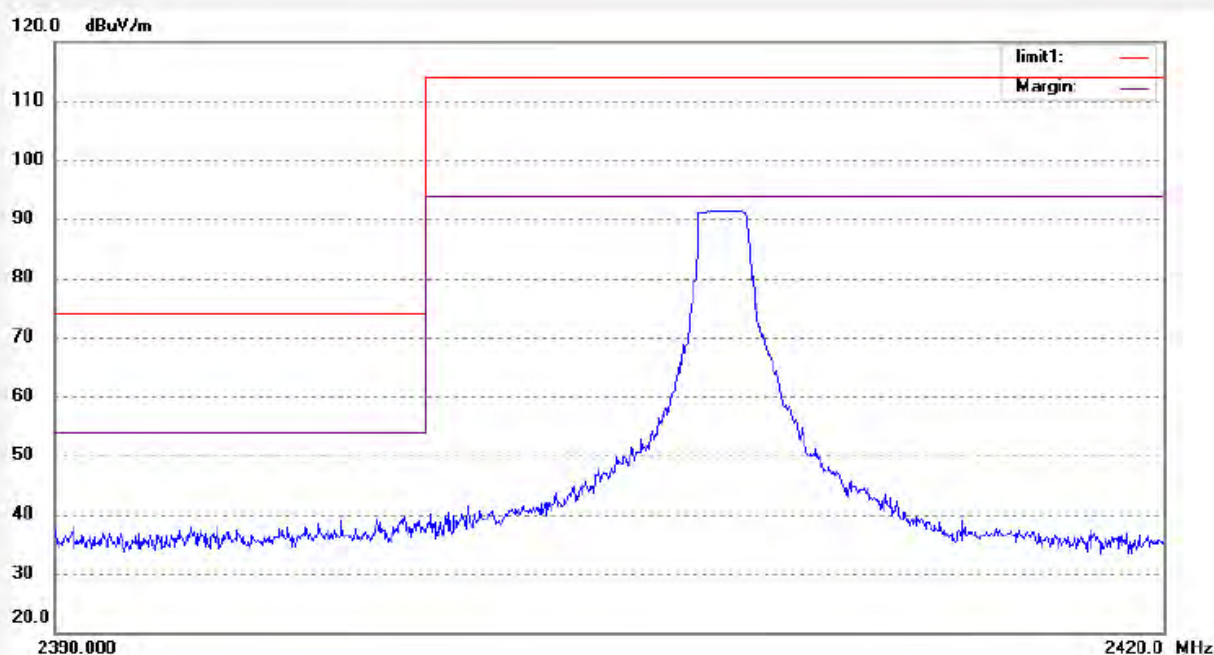
Date: 2011/05/29

Time: 10:33:11

Engineer Signature: Pei

Distance: 3m

Note: Report No.:ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: joe #1195

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: WiFlI Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts Limited

Polarization: Vertical

Power Source: DC 3.7V

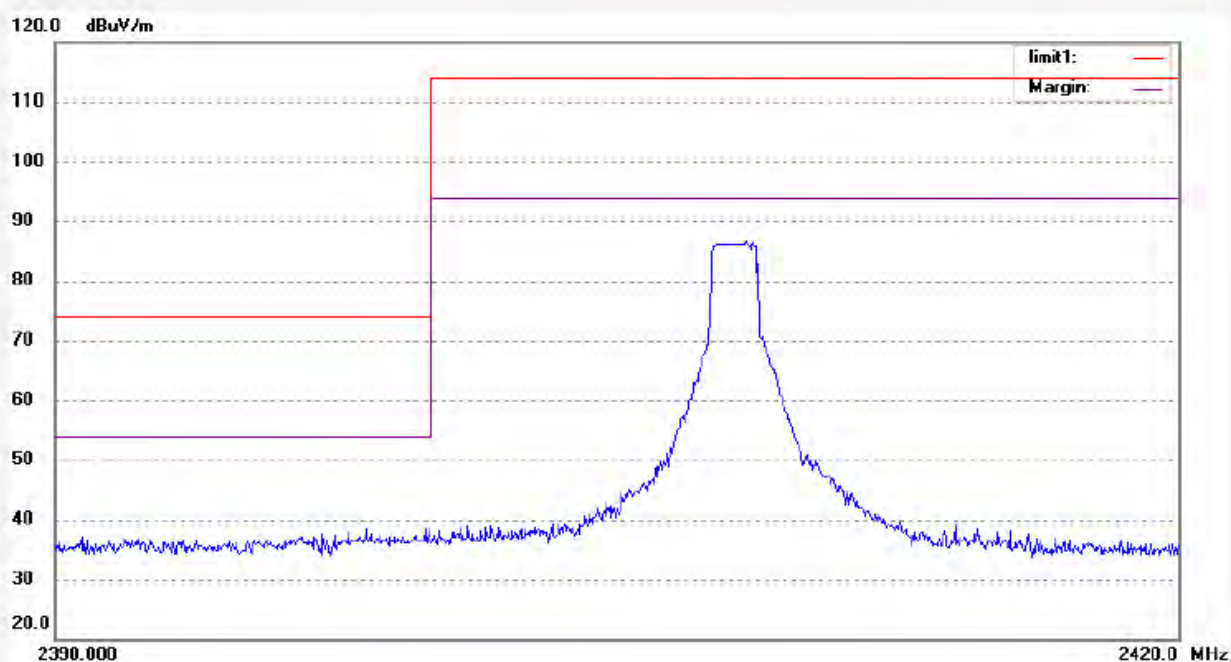
Date: 2011/05/29

Time: 10:37:19

Engineer Signature: Pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Fax:+86-0755-26503396

Job No.: joe #1197

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts Limited

Polarization: Horizontal

Power Source: DC 3.7V

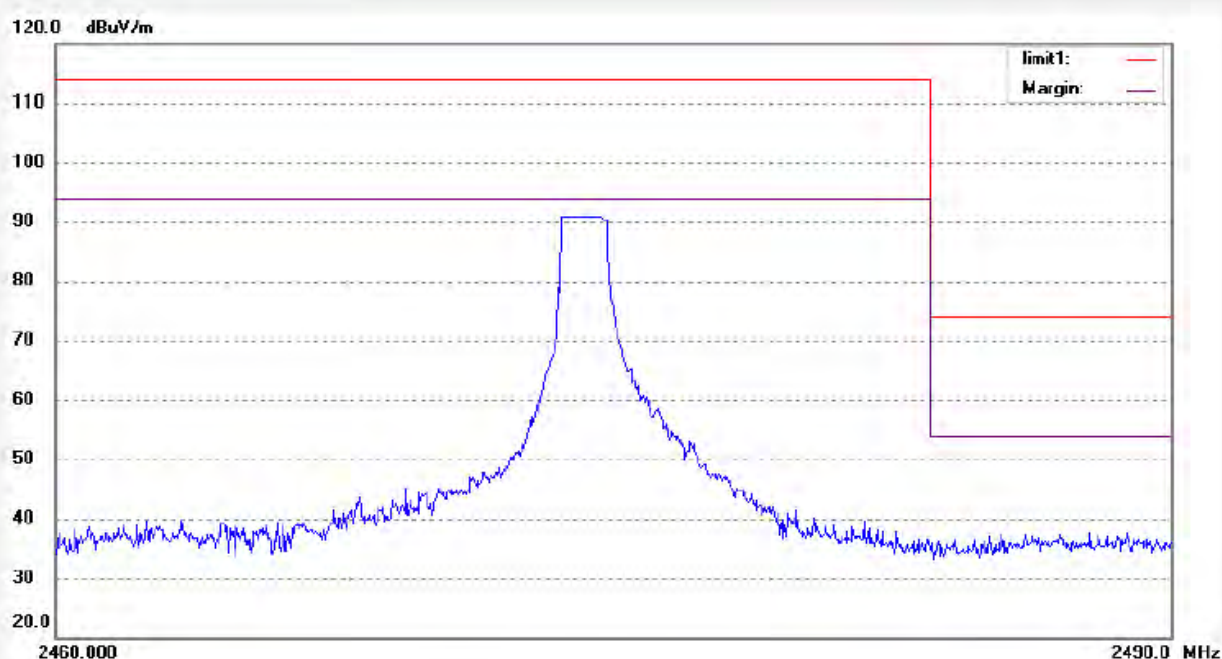
Date: 2011/05/29

Time: 10:47:33

Engineer Signature: Pei

Distance: 3m

Note: Report No.:ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: joe #1196

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: WiFlI Helicopter

Mode: TX Channel 11 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts Limited

Polarization: Vertical

Power Source: DC 3.7V

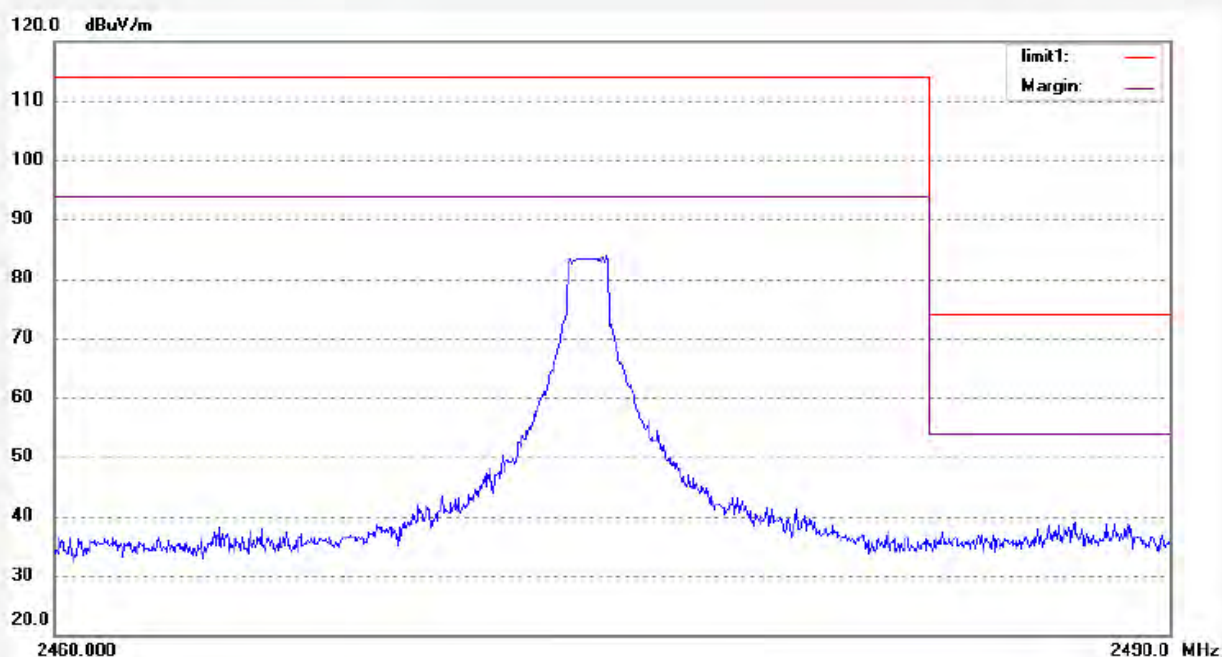
Date: 2011/05/29

Time: 10:43:24

Engineer Signature: Pei

Distance: 3m

Note: Report No.:ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: RTTE #5615

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts Limited

Polarization: Horizontal

Power Source: DC 3.7V

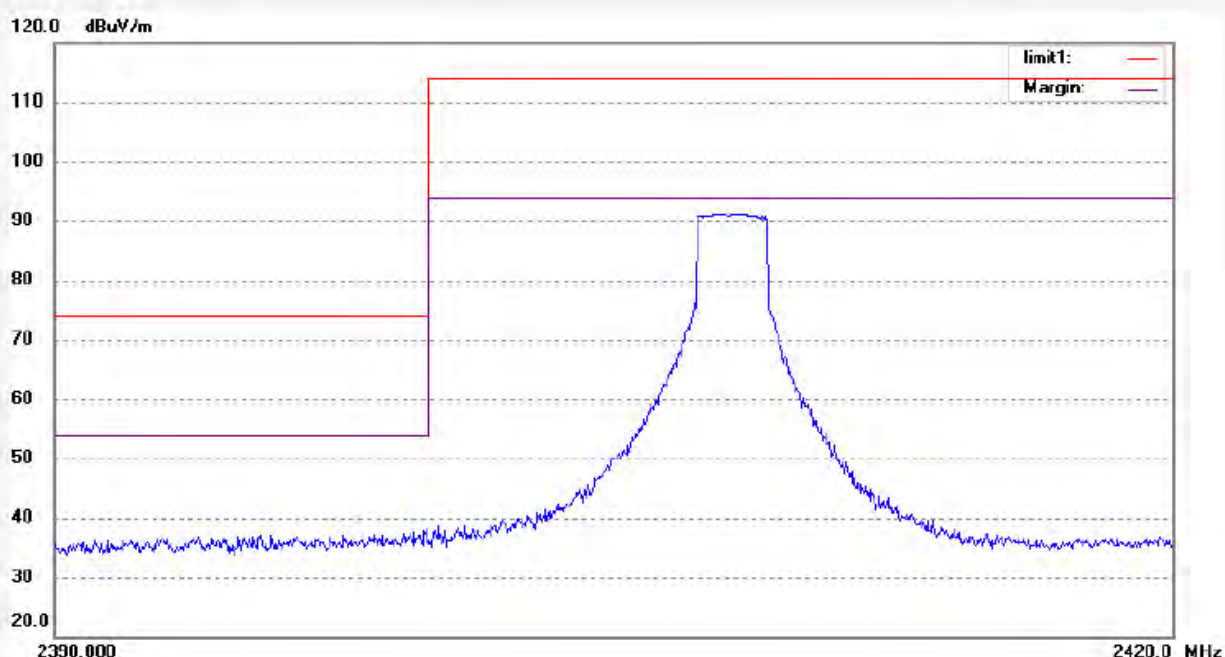
Date: 2011/05/29

Time: 16:32:35

Engineer Signature: Pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: RTTE #5616

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: WiFlI Helicopter

Mode: TX Channel 1 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts Limited

Polarization: Vertical

Power Source: DC 3.7V

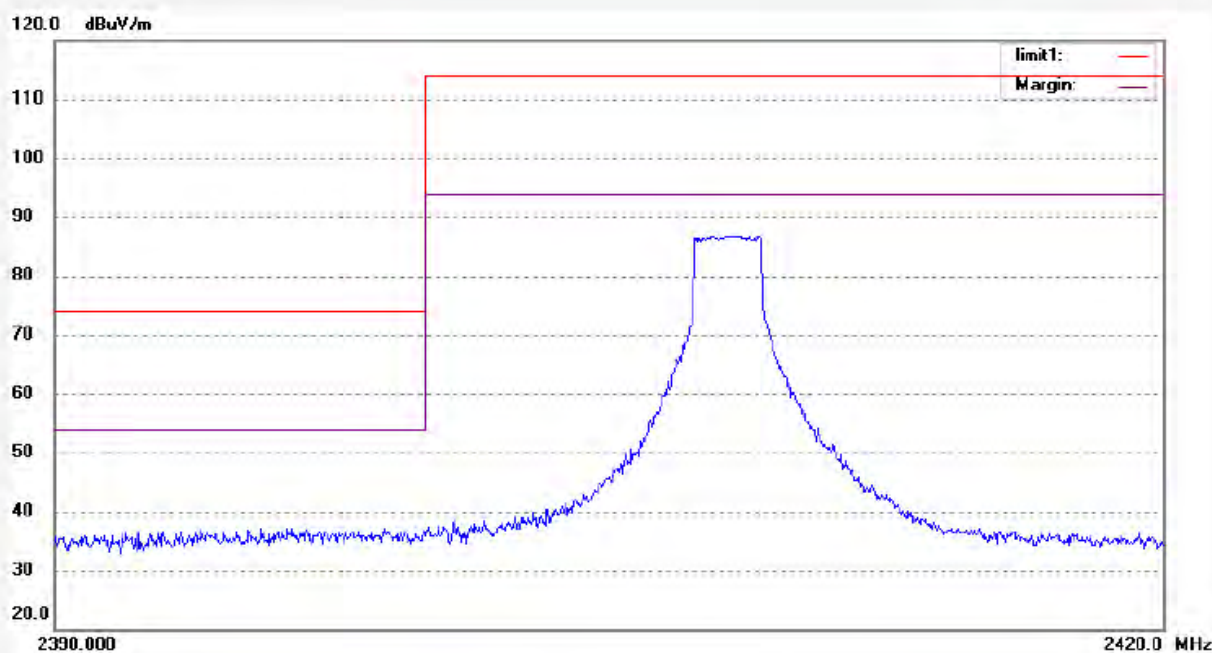
Date: 2011/05/29

Time: 16:36:50

Engineer Signature: Pei

Distance: 3m

Note: Report No.:ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: RTTE #5618

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: WiFlI Helicopter

Mode: TX Channel 11 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts Limited

Polarization: Horizontal

Power Source: DC 3.7V

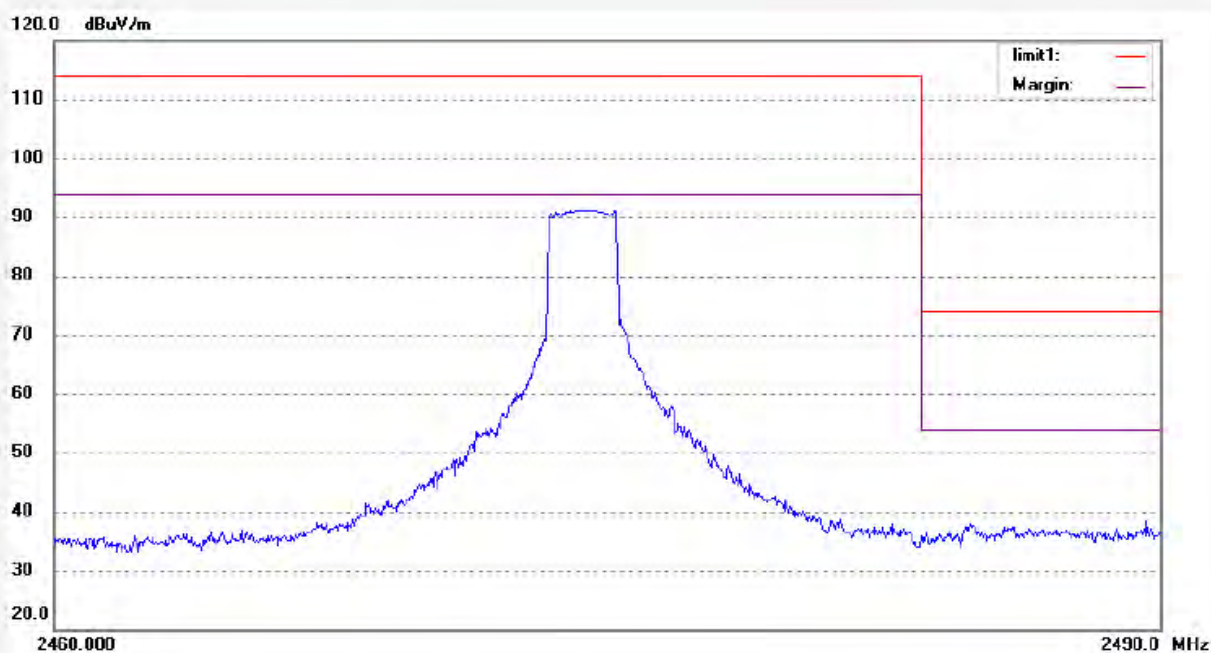
Date: 2011/05/29

Time: 16:46:39

Engineer Signature: Pei

Distance: 3m

Note: Report No.:ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: RTTE #5617

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: WiFlI Helicopter

Mode: TX Channel 11 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts Limited

Polarization: Vertical

Power Source: DC 3.7V

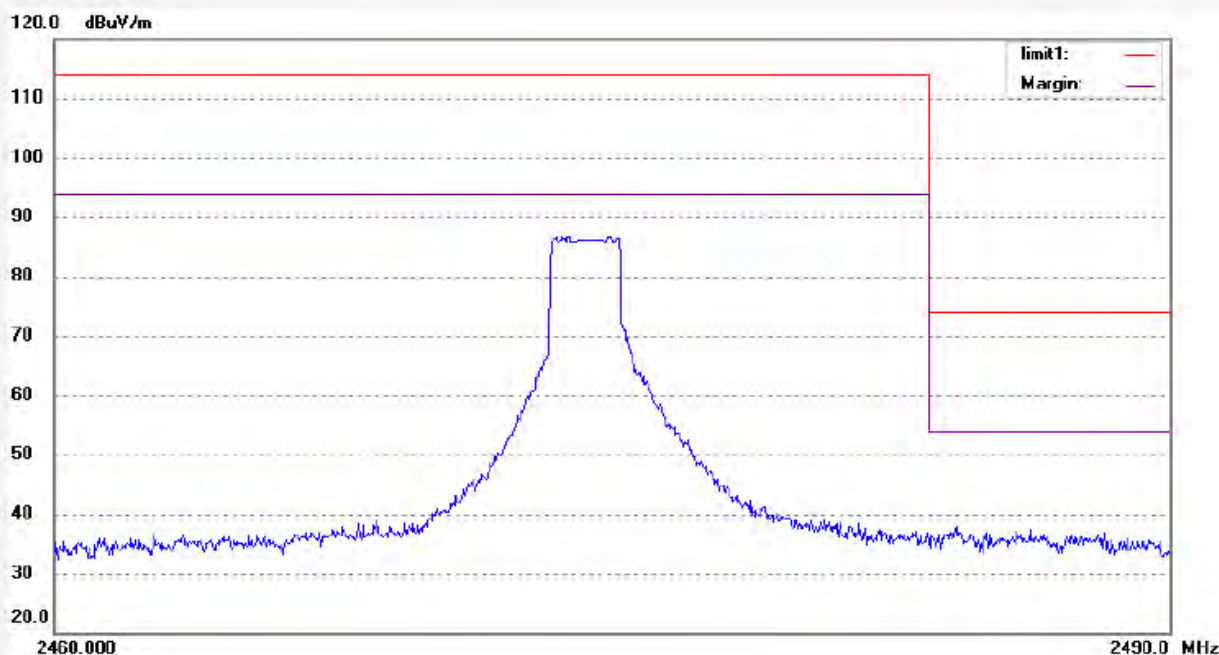
Date: 2011/05/29

Time: 16:42:28

Engineer Signature: Pei

Distance: 3m

Note: Report No.:ATE20110978

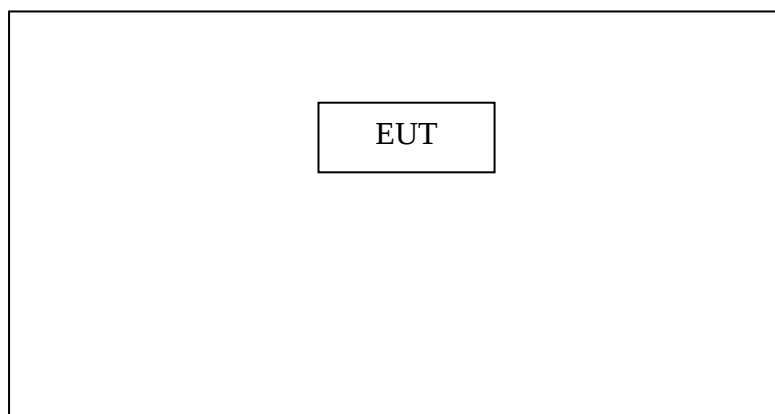


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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9. RADIATED SPURIOUS EMISSION TEST

9.1. Block Diagram of Test Setup

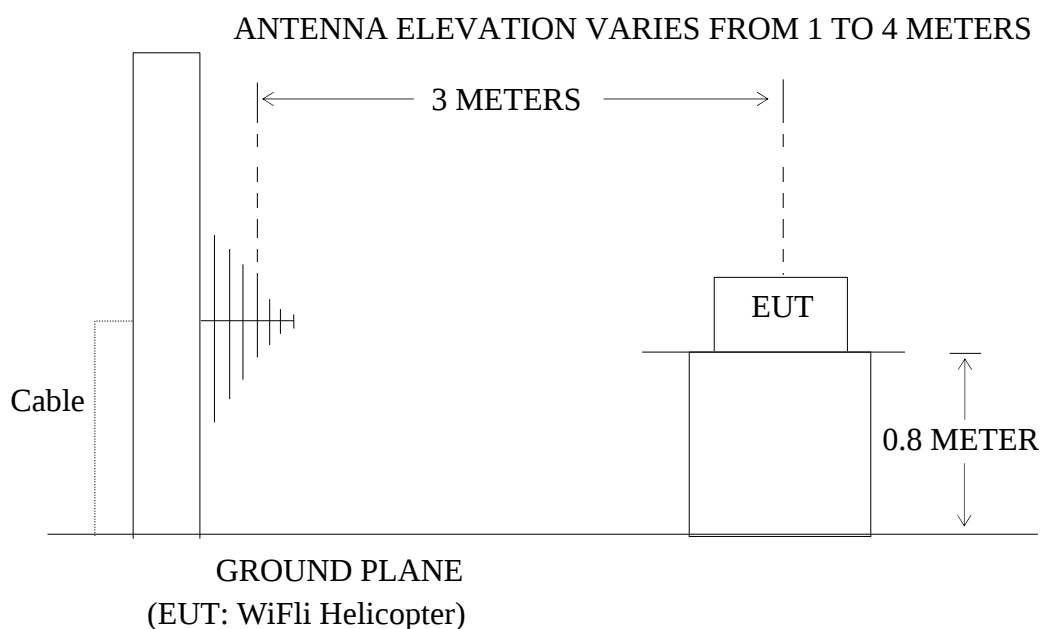
9.1.1. Block diagram of connection between the EUT and peripherals



Setup: Transmitting mode

(EUT: WiFli Helicopter)

9.1.2. Semi-Anechoic Chamber Test Setup Diagram



9.2.The Limit For Section 15.247(d)

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

9.3.Restricted bands of operation

9.3.1.FCC Part 15.205 Restricted bands of operation

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

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

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

²Above 38.6

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

9.4.Configuration of EUT on Measurement

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

9.4.1.WiFli Helicopter (EUT)

Model Number : 50600
 Serial Number : N/A
 Manufacturer : Interactive Toy Concepts Limited

9.5.Operating Condition of EUT

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

9.5.2.Turn on the power of all equipment.

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

9.6.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The worst-case data rate for this channel to be 11Mbps for 802.11b mode and 54Mbps for 802.11g mode, based on previous with 802.11 WLAN product design architectures.

The bandwidth of test receiver (R&S ESI26) is set at 120kHz in 30-1000MHz. and set at 1MHz in above 1000MHz.

The frequency range from 30MHz to 25000MHz is checked.

The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

9.7.The Field Strength of Radiation Emission Measurement Results

PASS.

Date of Test:	May 29, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	DC 3.7V
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
*4824.053	49.02	54.29	-0.19	48.83	54.10	54	74	-5.17	-19.9	Vertical
7236.071	42.81	47.44	3.05	45.86	50.49	54	74	-8.14	-23.51	Vertical
*4824.053	46.84	52.83	-0.19	46.65	52.64	54	74	-7.35	-21.36	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 29, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	DC 3.7V
Test Mode:	802.11b Channel Middle 2437MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
*4874.053	49.36	53.97	0.09	49.45	54.06	54	74	-4.55	-19.94	Vertical
*7311.074	42.70	47.67	3.22	45.92	50.89	54	74	-8.08	-23.11	Vertical
*4874.053	47.66	52.69	0.09	47.75	52.78	54	74	-6.25	-21.22	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 29, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	DC 3.7V
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
*4924.052	48.53	53.35	0.34	48.87	53.69	54	74	-5.13	-20.31	Vertical
*7386.076	41.87	47.70	3.39	45.26	51.09	54	74	-8.74	-22.91	Vertical
*4924.052	47.40	52.08	0.34	47.74	52.42	54	74	-6.26	-21.58	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 29, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	DC 3.7V
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
*4824.054	48.79	54.50	-0.19	48.60	54.31	54	74	-5.40	-19.69	Vertical
7236.080	42.92	48.36	3.05	45.97	51.41	54	74	-8.03	-22.59	Vertical
*4824.054	45.84	51.96	-0.19	45.65	51.77	54	74	-8.35	-22.23	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 29, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	DC 3.7V
Test Mode:	802.11g Channel Middle 2437MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
*4874.053	48.63	54.57	0.09	48.72	54.66	54	74	-5.28	-19.34	Vertical
*7311.076	43.74	49.28	3.22	46.96	52.50	54	74	-7.04	-21.50	Vertical
*4874.053	47.98	53.19	0.09	48.07	53.28	54	74	-5.93	-20.72	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 29, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	DC 3.7V
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
*4924.050	46.95	53.55	0.34	47.29	53.89	54	74	-6.71	-20.11	Vertical
*7386.075	41.81	47.73	3.39	45.20	51.12	54	74	-8.80	-22.88	Vertical
*4924.050	46.51	52.03	0.34	46.85	52.37	54	74	-7.15	-21.63	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**


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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4080

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

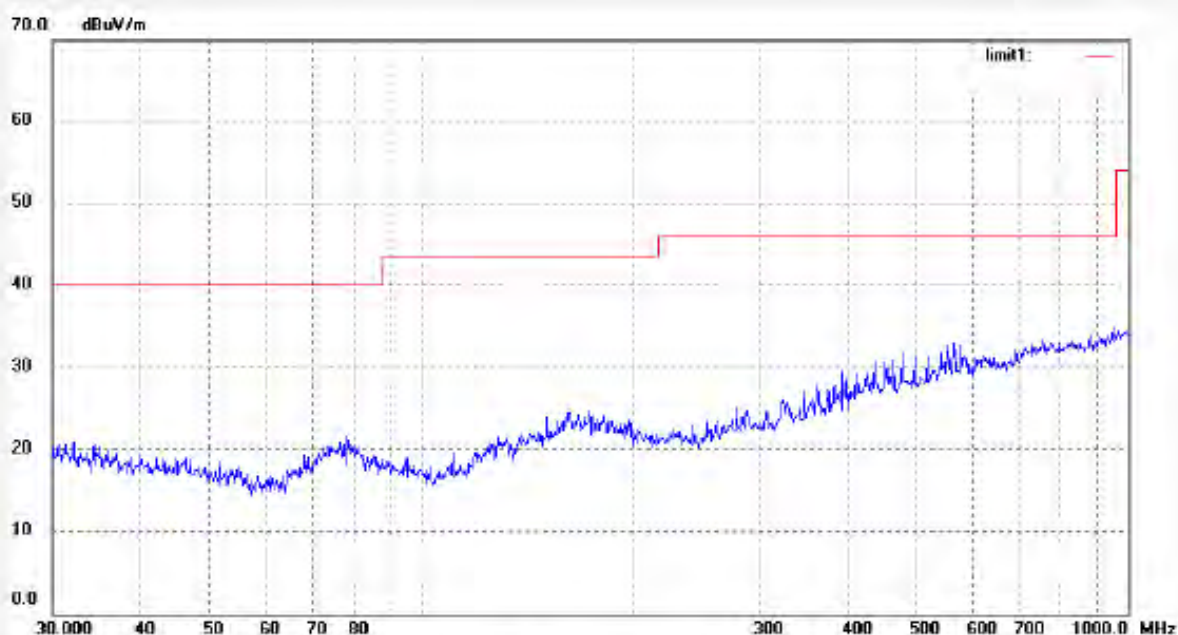
Date: 2011/05/29

Time: 15:01:24

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4081

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

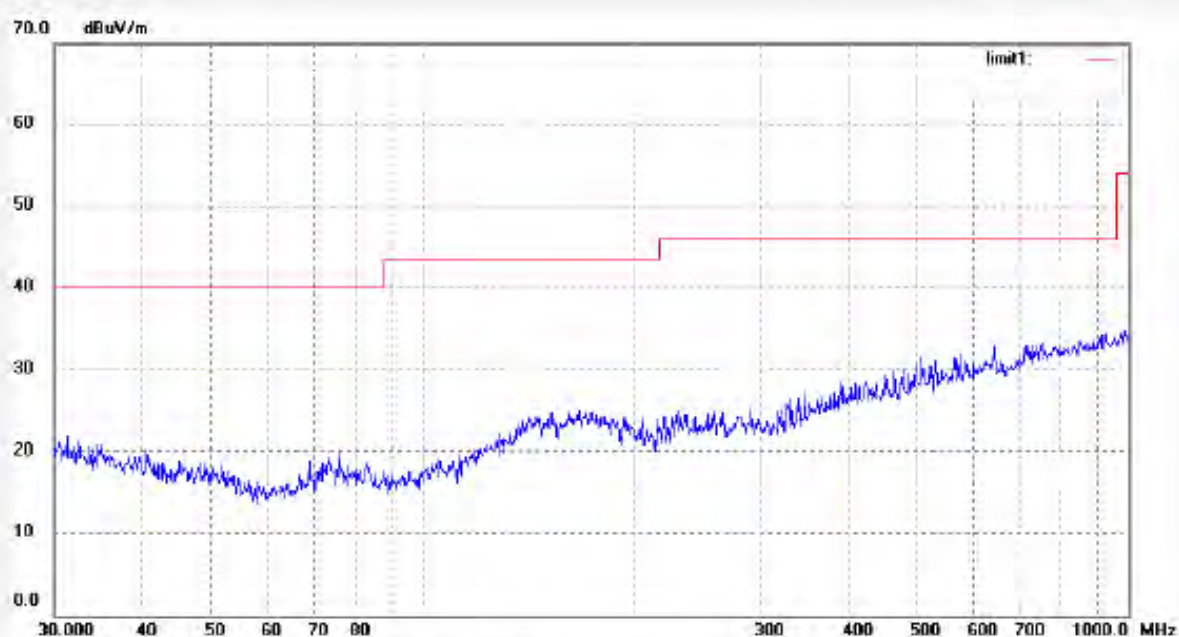
Date: 2011/05/29

Time: 15:05:27

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4092

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

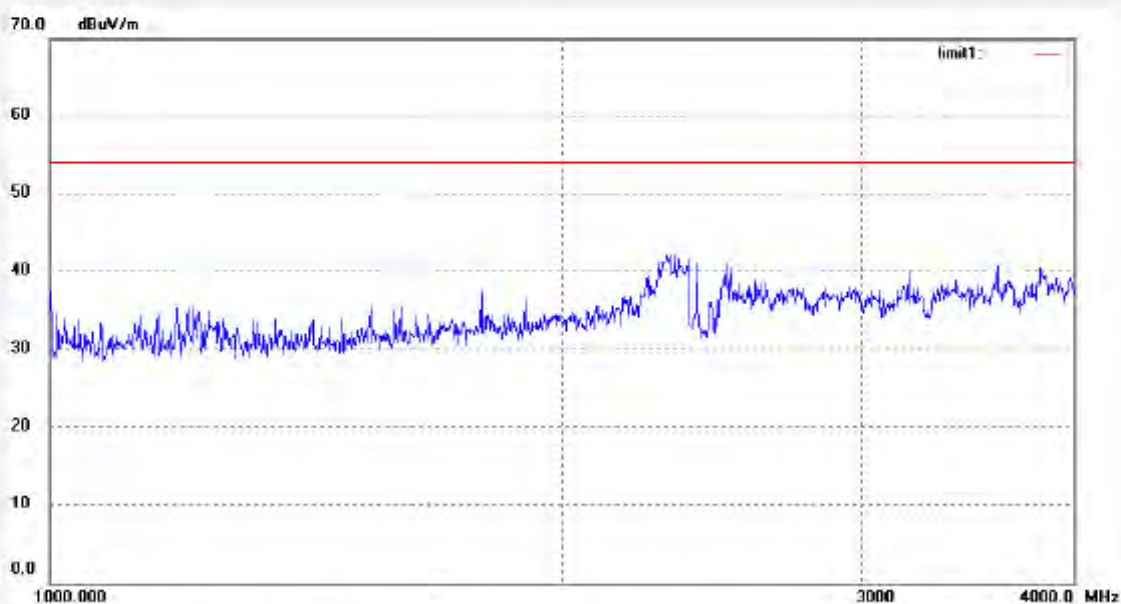
Date: 2011/05/30

Time: 10:13:57

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4093

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

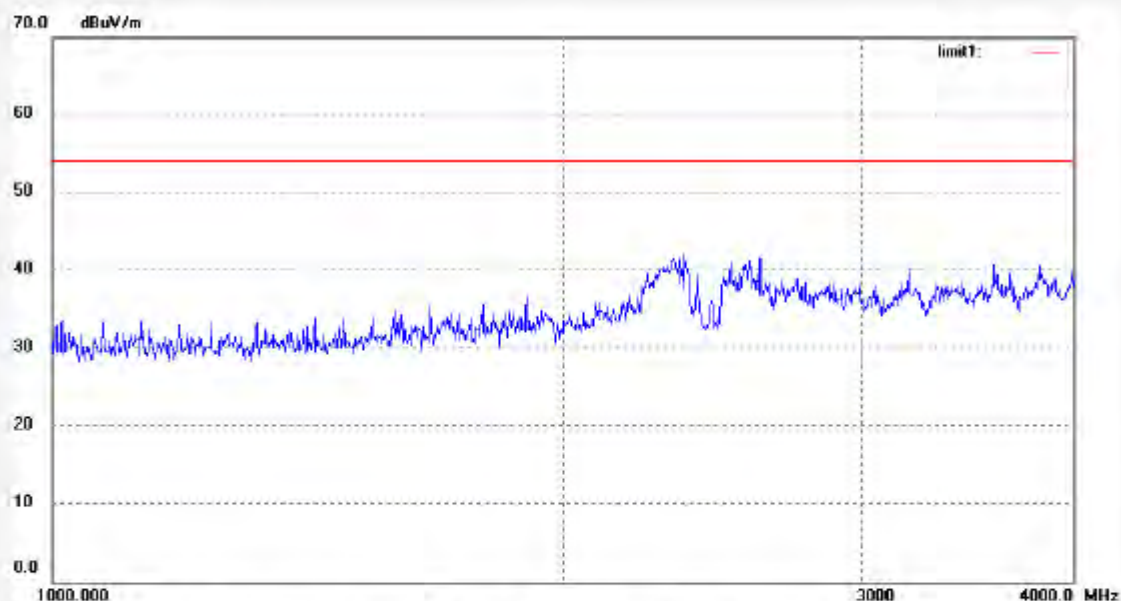
Date: 2011/05/30

Time: 10:18:36

Engineer Signature: pei

Distance: 3m

Note: Report No.:ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #4126

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

Date: 2011/05/30

Time: 12:53:27

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.053	52.83	-0.19	52.64	74.00	-21.36	peak			
2	4824.053	46.84	-0.19	46.65	54.00	-7.35	AVG			



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

Job No.: pei #4127

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

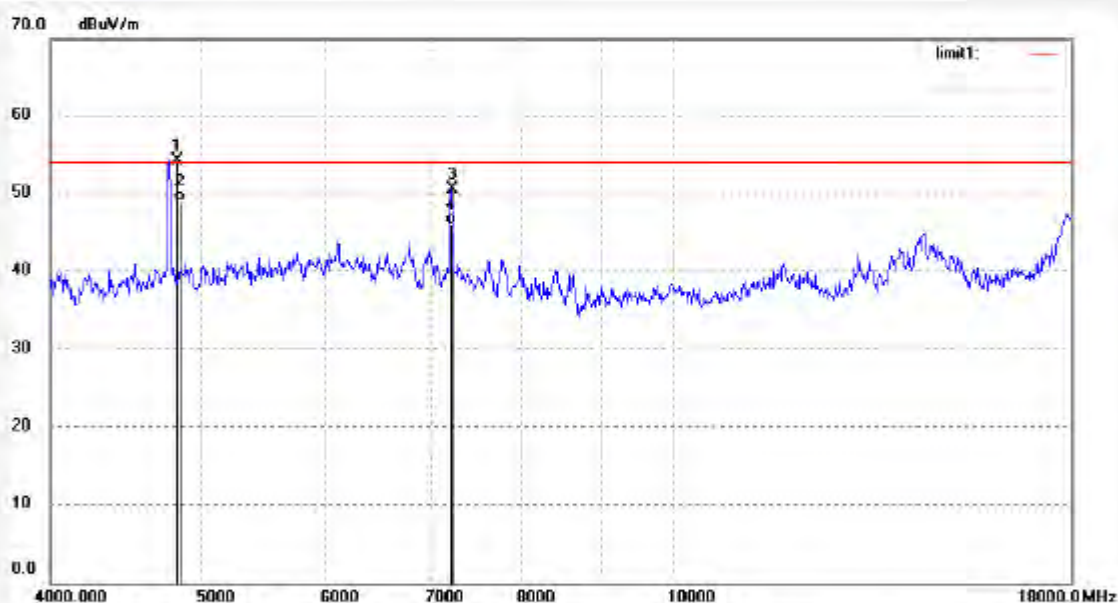
Date: 2011/05/30

Time: 13:01:17

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.053	54.29	-0.19	54.10	74.00	-19.9	peak			
2	4824.053	49.02	-0.19	48.83	54.00	-5.17	AVG			
3	7236.071	47.44	3.05	50.49	74.00	-23.51	peak			
4	7236.071	42.81	3.05	45.86	54.00	-8.14	AVG			


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

Job No.: pei #4220

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

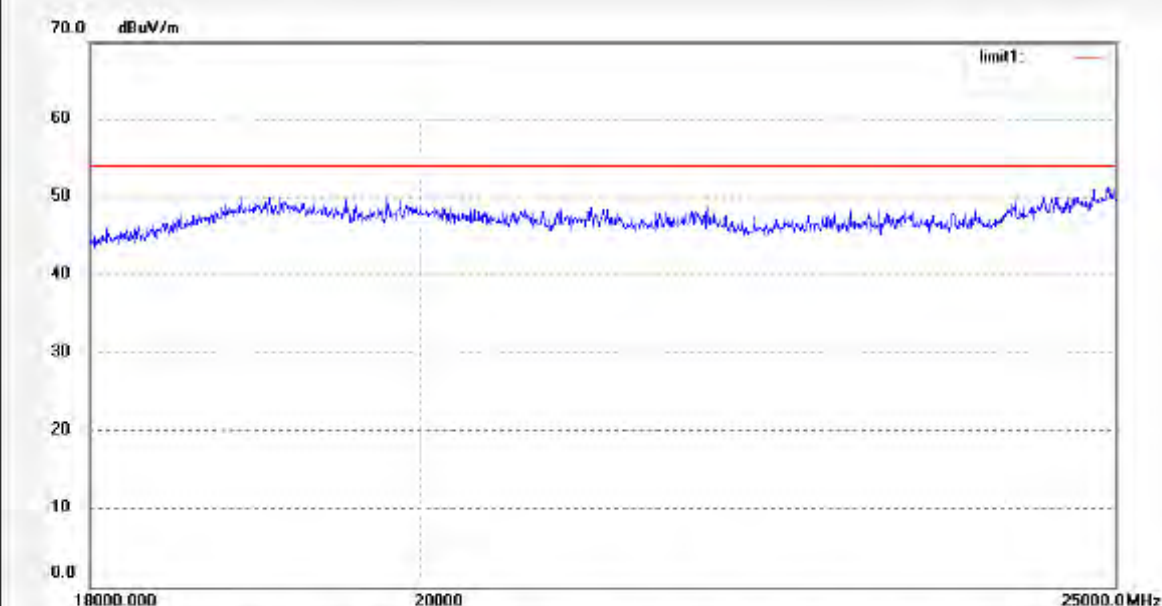
Date: 2011/05/31

Time: 9:22:42

Engineer Signature: pei

Distance: 3m

Note: Report No.:ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4221

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

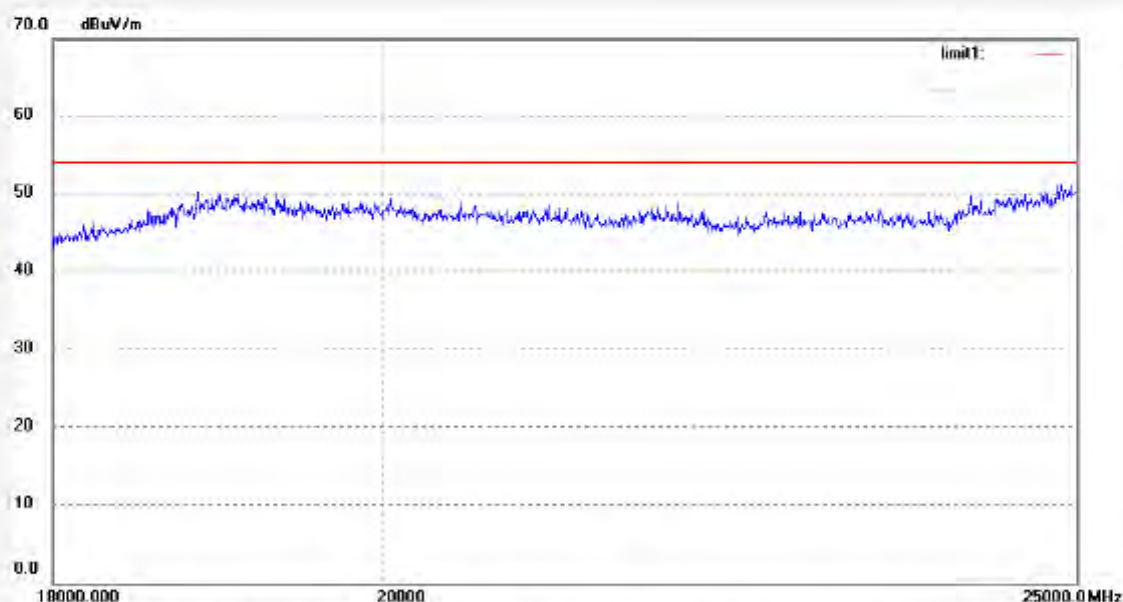
Date: 2011/05/31

Time: 9:27:54

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4083

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

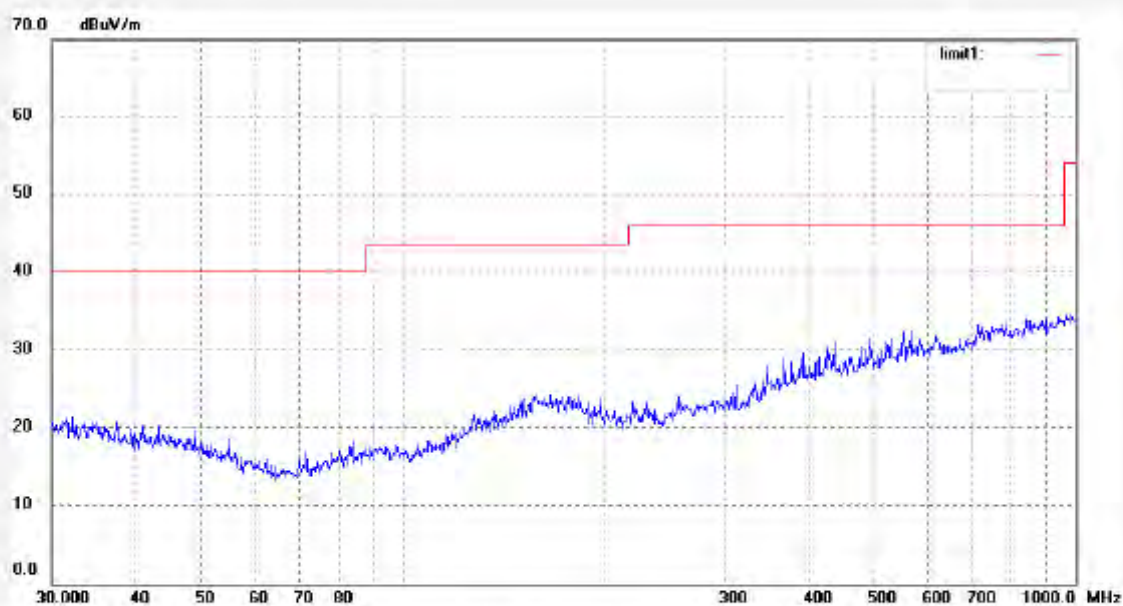
Date: 2011/05/29

Time: 15:14:30

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
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Job No.: pei #4082

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

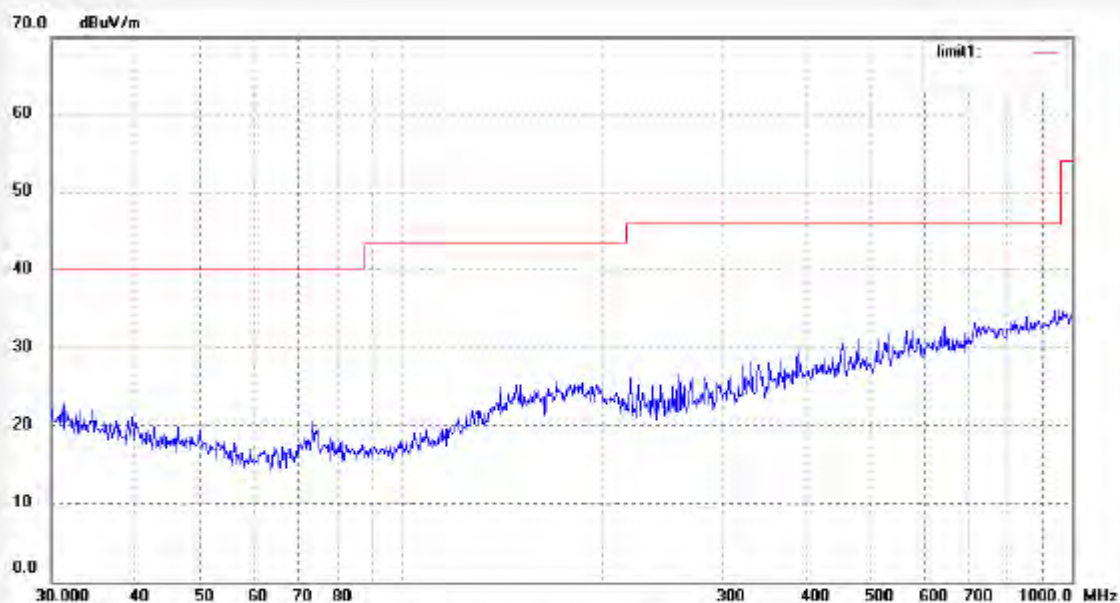
Date: 2011/05/29

Time: 15:10:22

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4095

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

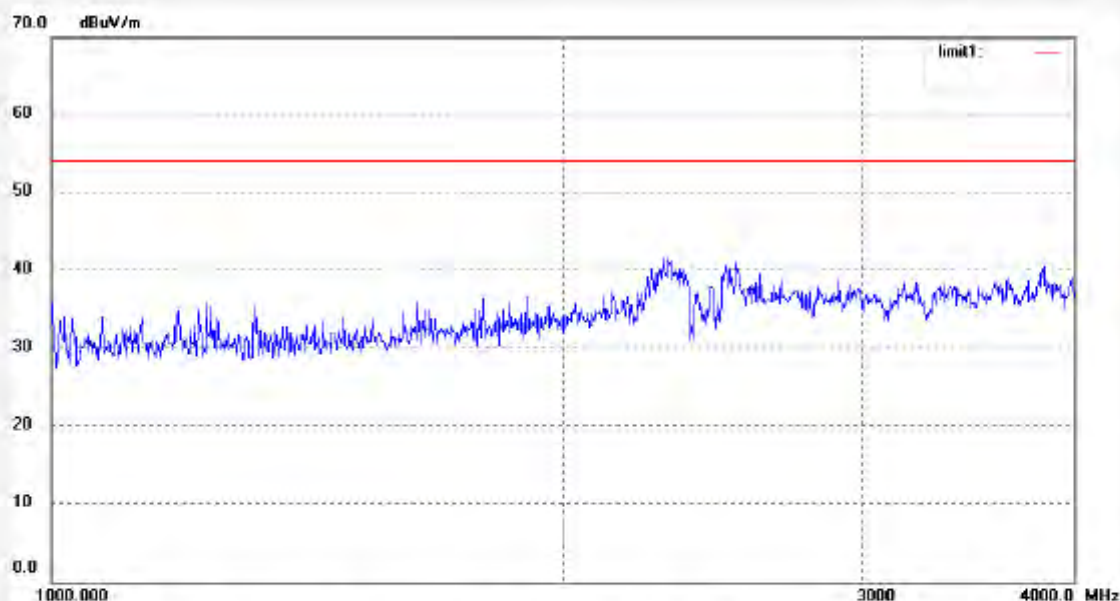
Date: 2011/05/30

Time: 10:29:35

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4094

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

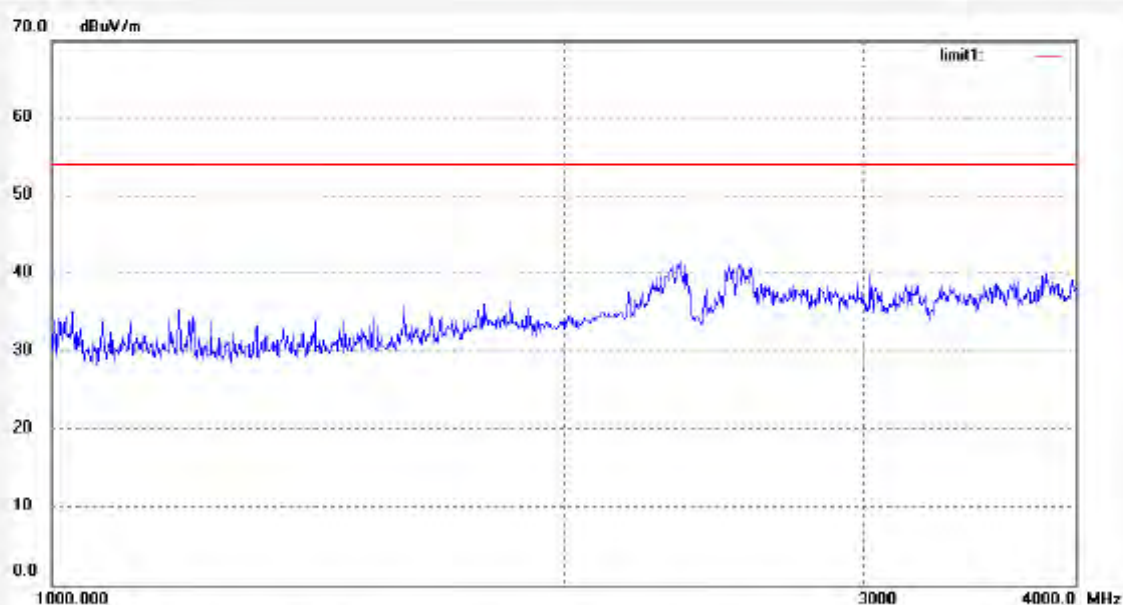
Date: 2011/05/30

Time: 10:23:28

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4126

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

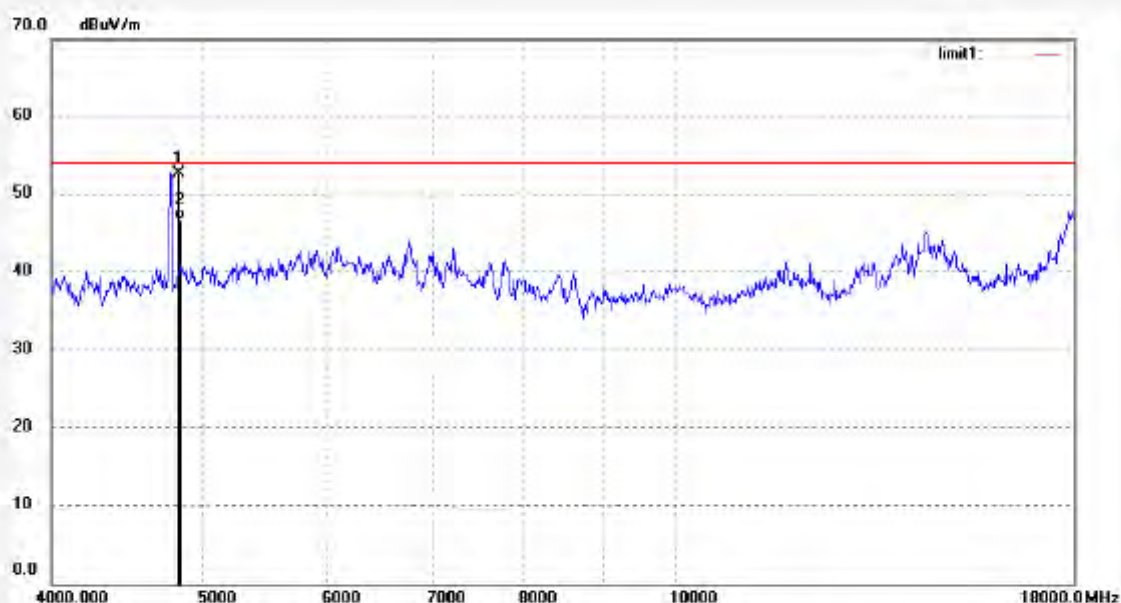
Date: 2011/05/30

Time: 12:53:27

Engineer Signature: pei

Distance: 3m

Note: Report No.:ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.053	52.83	-0.19	52.64	74.00	-21.36	peak			
2	4824.053	46.84	-0.19	46.65	54.00	-7.35	AVG			


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Site: 966 chamber

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Fax:+86-0755-26503396

Job No.: pei #4127

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

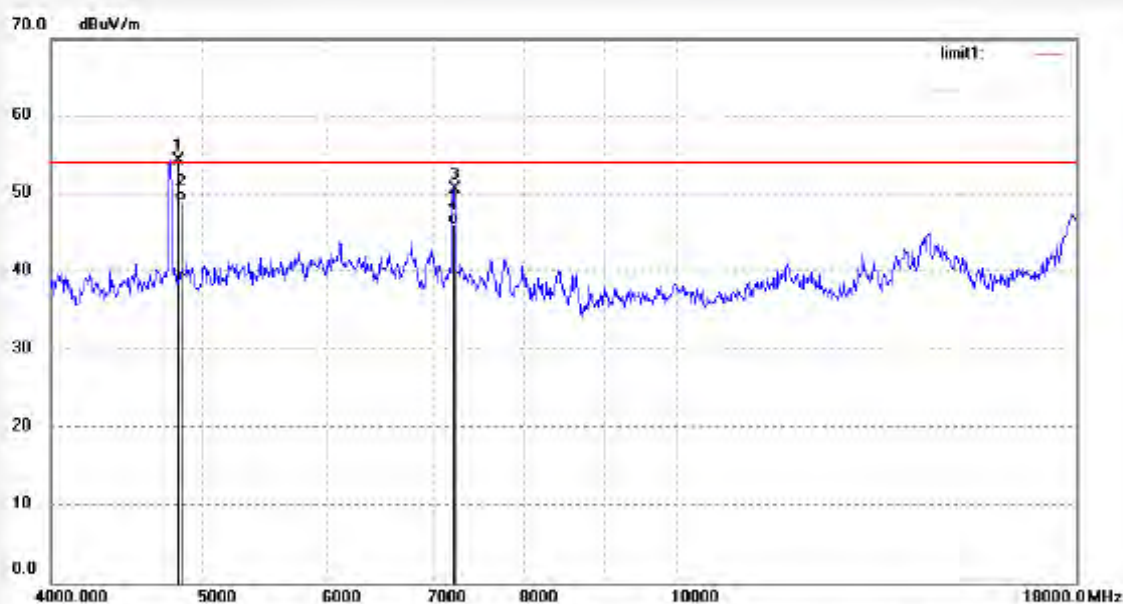
Date: 2011/05/30

Time: 13:01:17

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.053	54.29	-0.19	54.10	74.00	-19.9	peak			
2	4824.053	49.02	-0.19	48.83	54.00	-5.17	AVG			
3	7236.071	47.44	3.05	50.49	74.00	-23.51	peak			
4	7236.071	42.81	3.05	45.86	54.00	-8.14	AVG			


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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4223

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

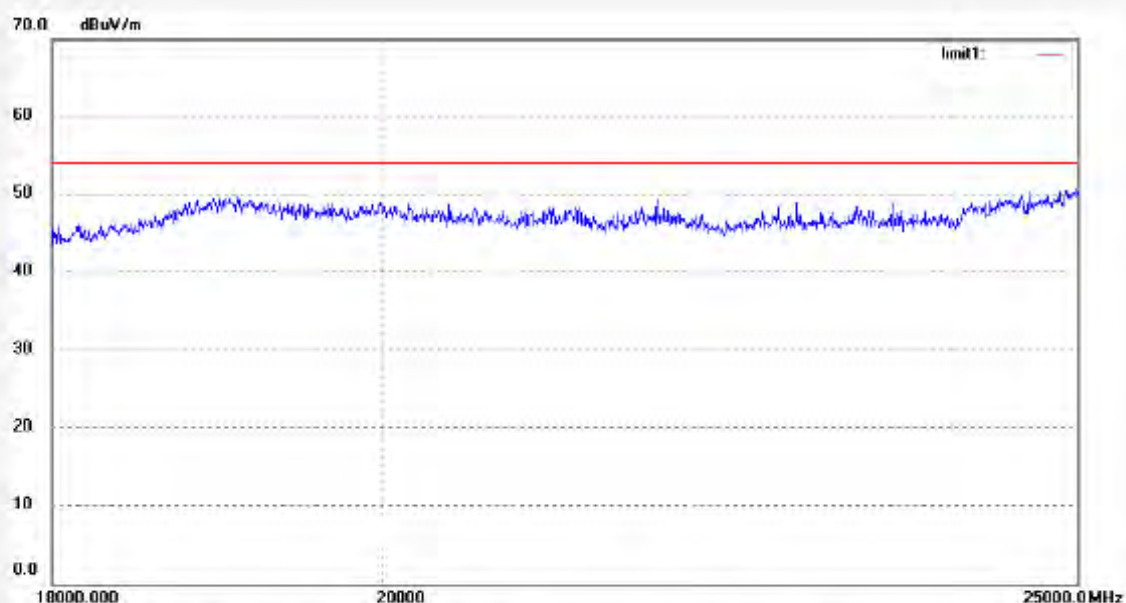
Date: 2011/05/31

Time: 9:37:56

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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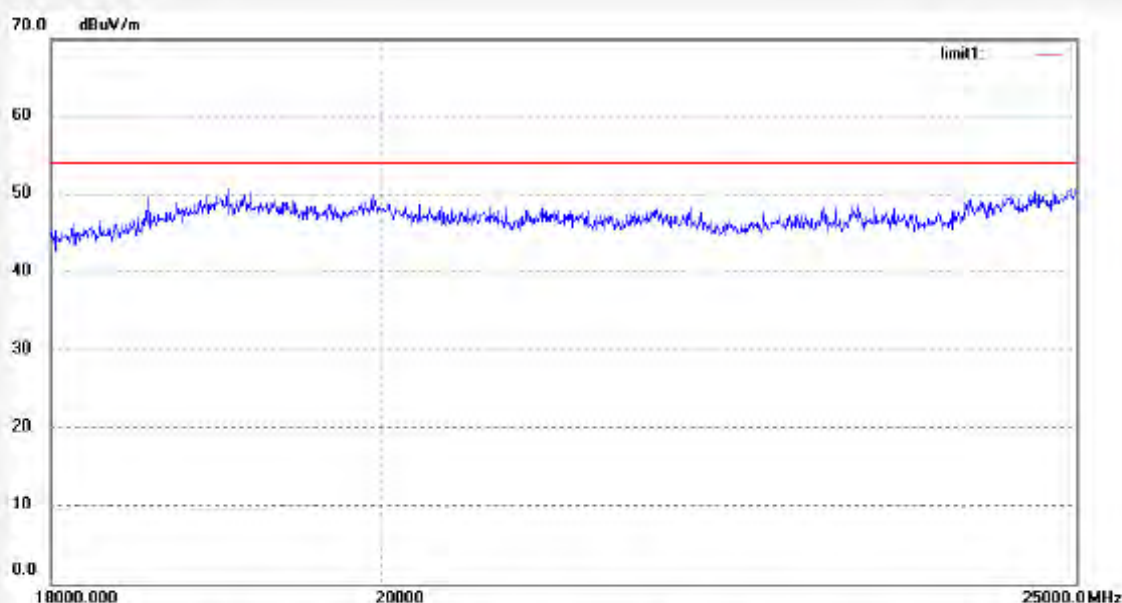

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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: pei #4222	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2011/05/31
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9:32:46
EUT: WiFi Helicopter	Engineer Signature: pei
Mode: TX Channel 6 (802.11b)	Distance: 3m
Model: 50600	
Manufacturer: Interactive Toy Concepts (HK) Limited	

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: pei #4084

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

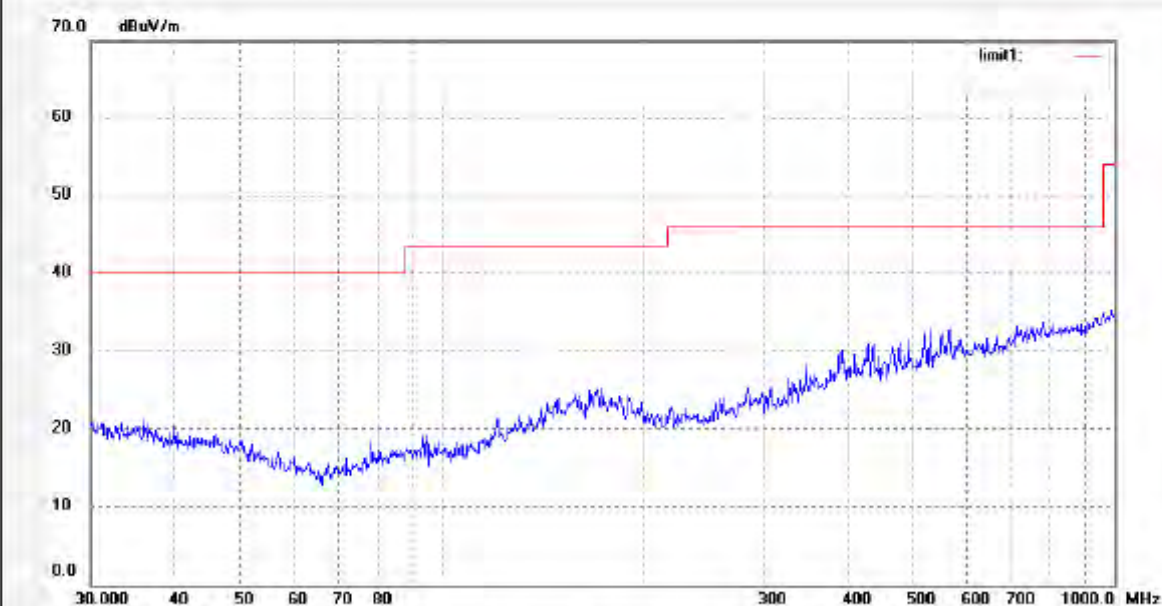
Date: 2011/05/29

Time: 15:19:41

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4085

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

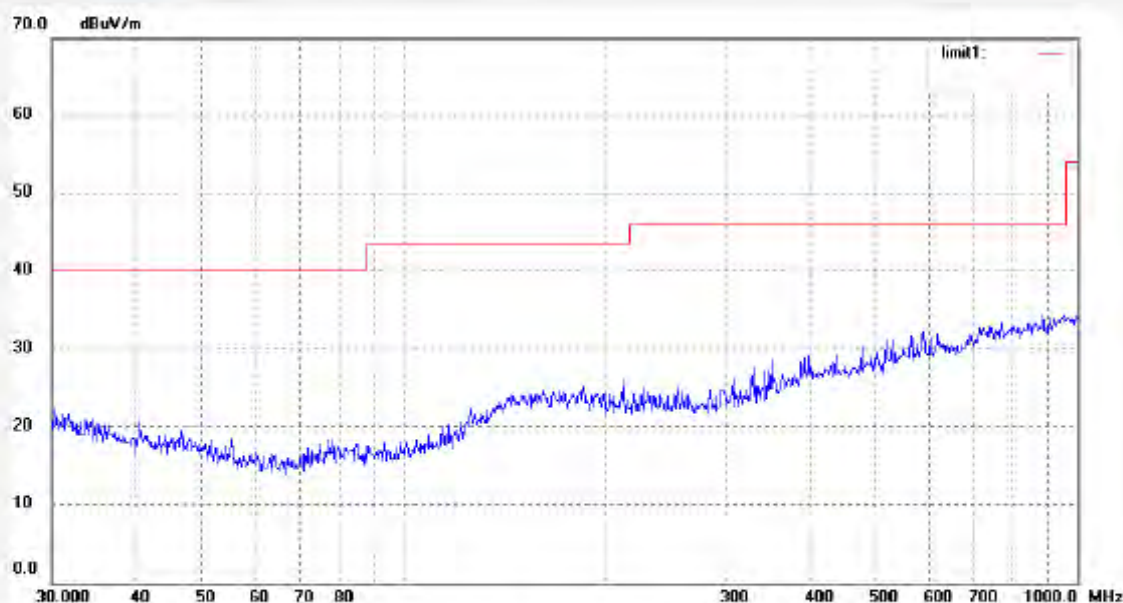
Date: 2011/05/29

Time: 15:23:50

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4096

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

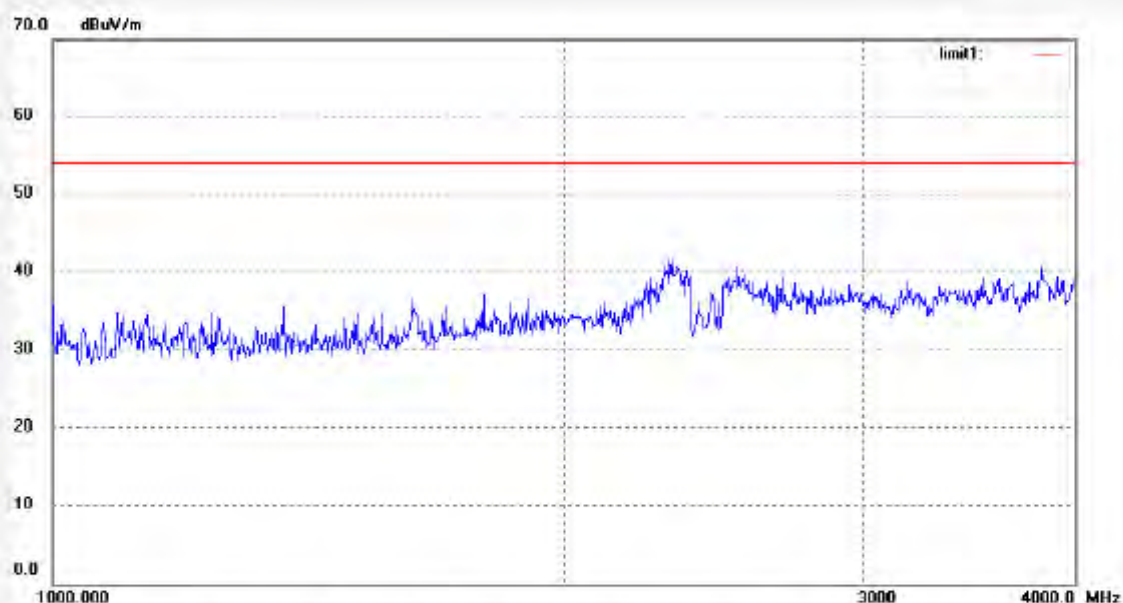
Date: 2011/05/30

Time: 10:33:15

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4097

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

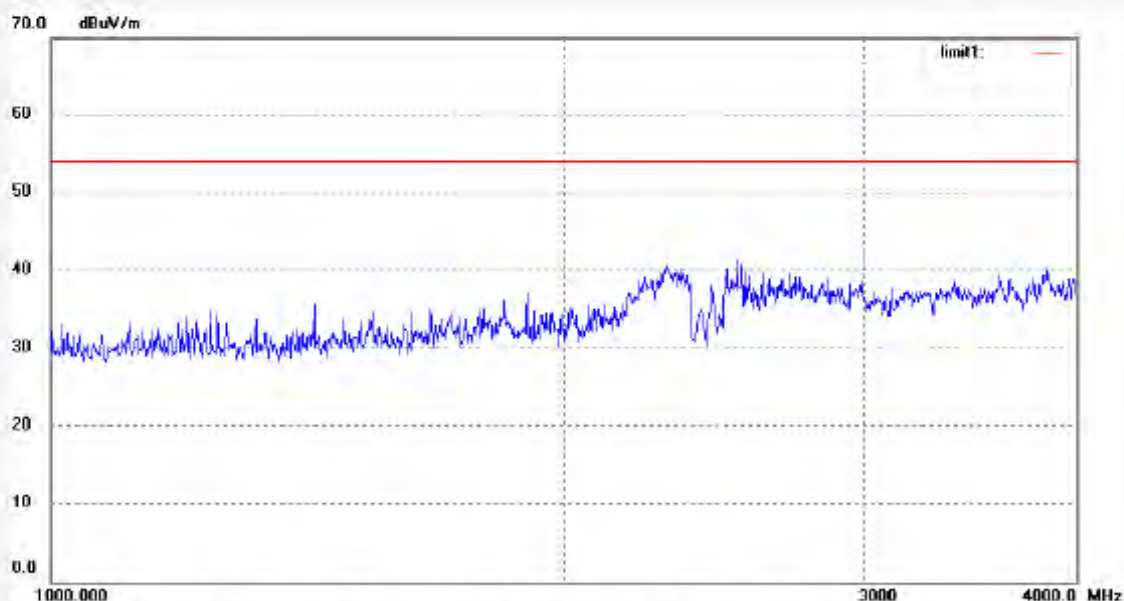
Date: 2011/05/30

Time: 10:38:45

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4122

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

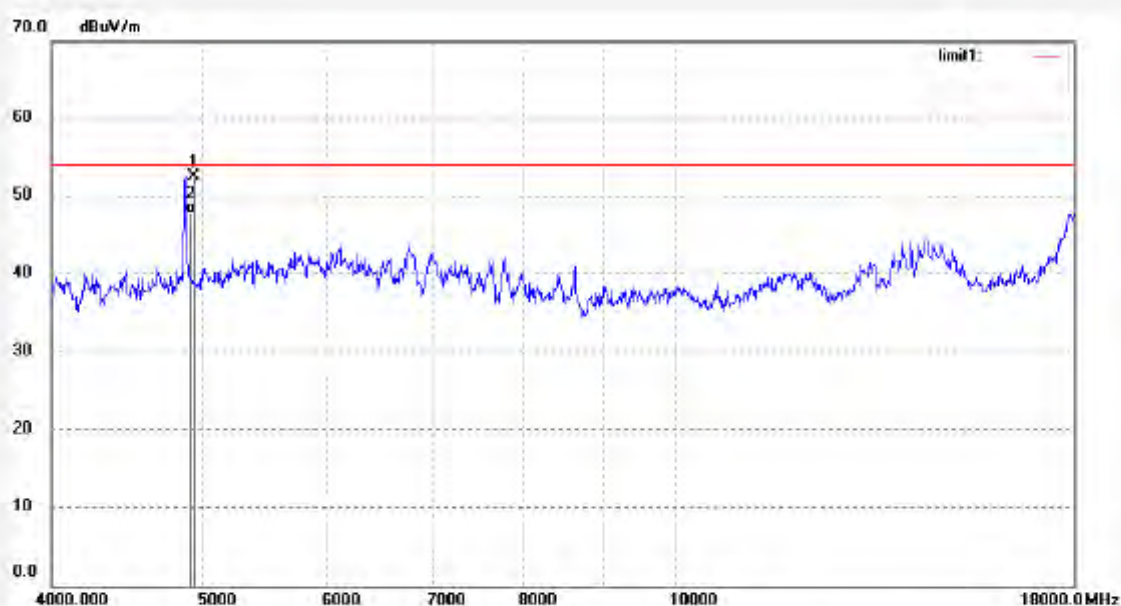
Date: 2011/05/30

Time: 12:18:54

Engineer Signature: pei

Distance: 3m

Note: Report No.:ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.052	52.08	0.34	52.42	74.00	-21.58	peak			
2	4924.052	47.40	0.34	47.74	54.00	-6.26	AVG			



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

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

Job No.: pei #4123

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

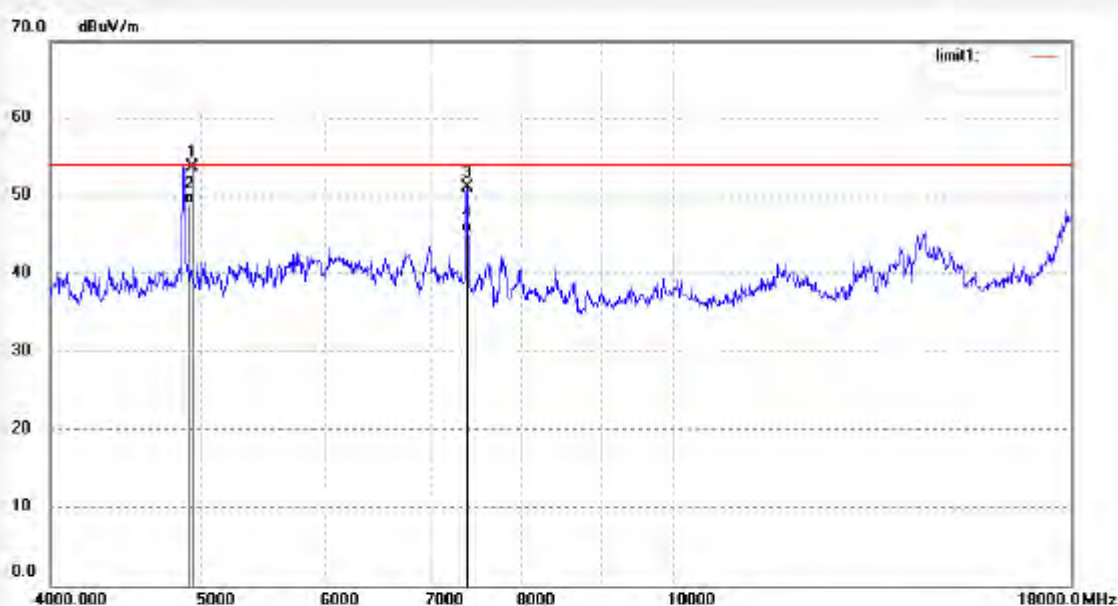
Date: 2011/05/30

Time: 12:27:23

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.052	53.35	0.34	53.69	74.00	-20.31	peak			
2	4924.052	48.53	0.34	48.87	54.00	-5.13	AVG			
3	7386.076	47.70	3.39	51.09	74.00	-22.91	peak			
4	7386.076	41.87	3.39	45.26	54.00	-8.74	AVG			


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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4224

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11b)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

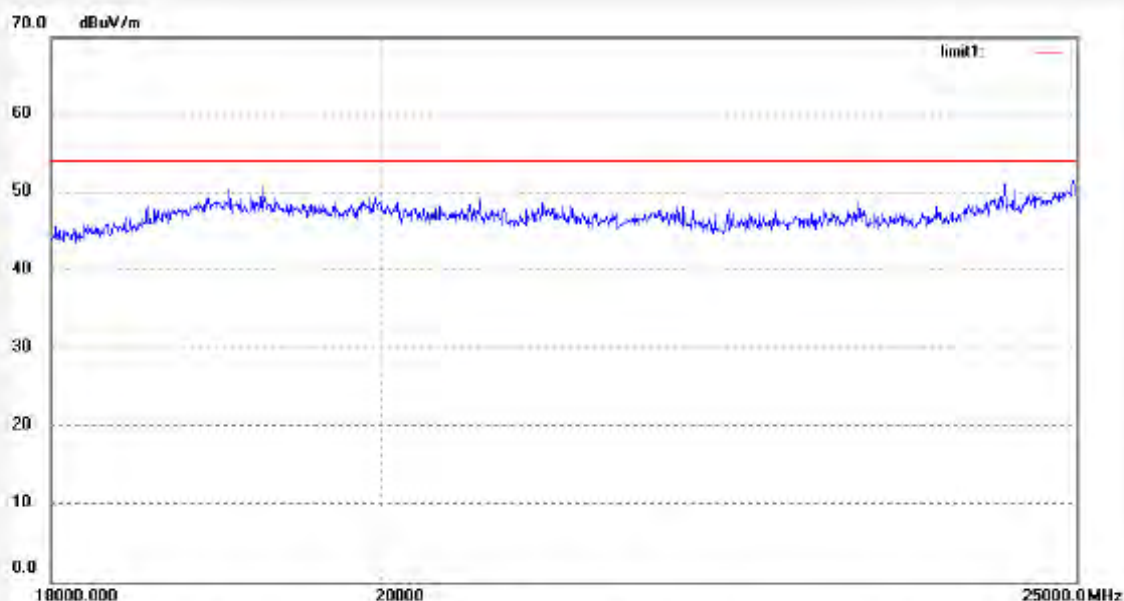
Date: 2011/05/31

Time: 9:42:44

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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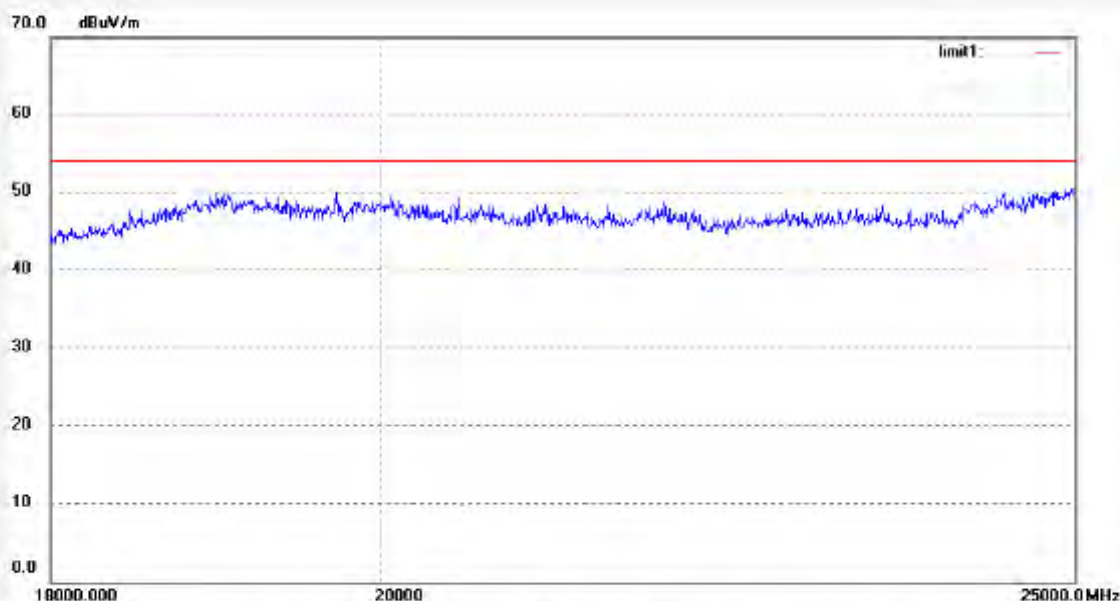

ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: pei #4225	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2011/05/31
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 9:47:45
EUT: WiFi Helicopter	Engineer Signature: pei
Mode: TX Channel 11 (802.11b)	Distance: 3m
Model: 50600	
Manufacturer: Interactive Toy Concepts (HK) Limited	

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4087

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

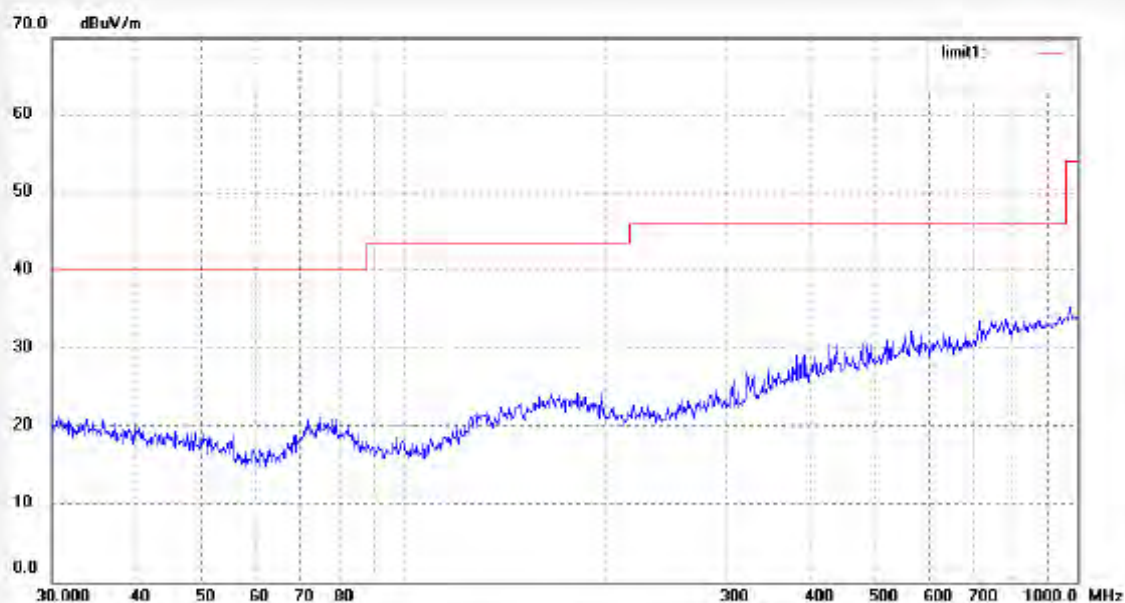
Date: 2011/05/29

Time: 15:34:25

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4086

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

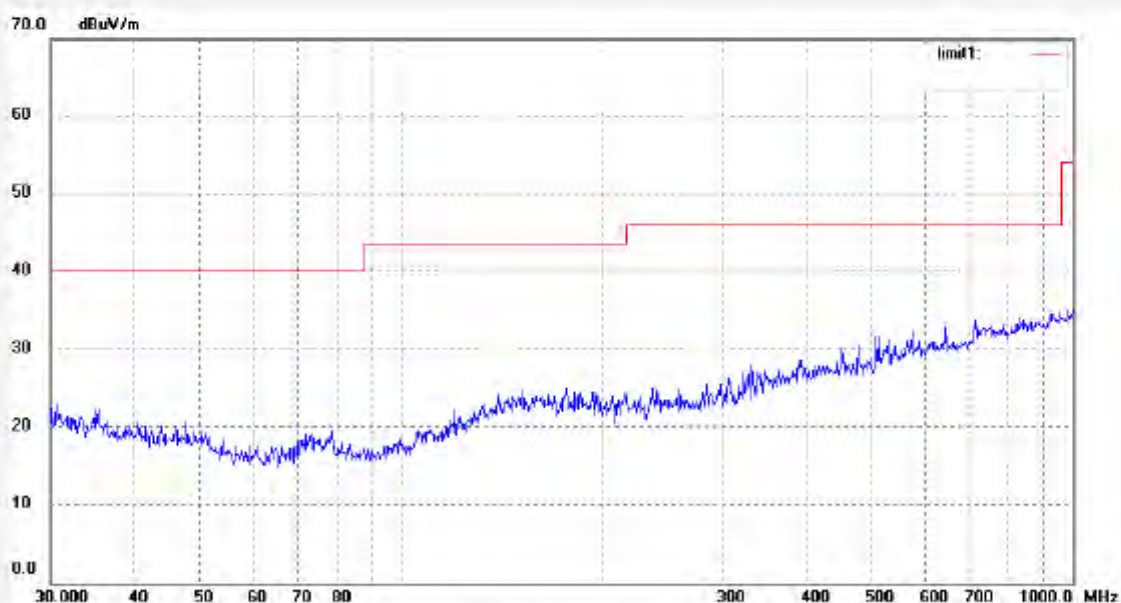
Date: 2011/05/29

Time: 15:30:21

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4103

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

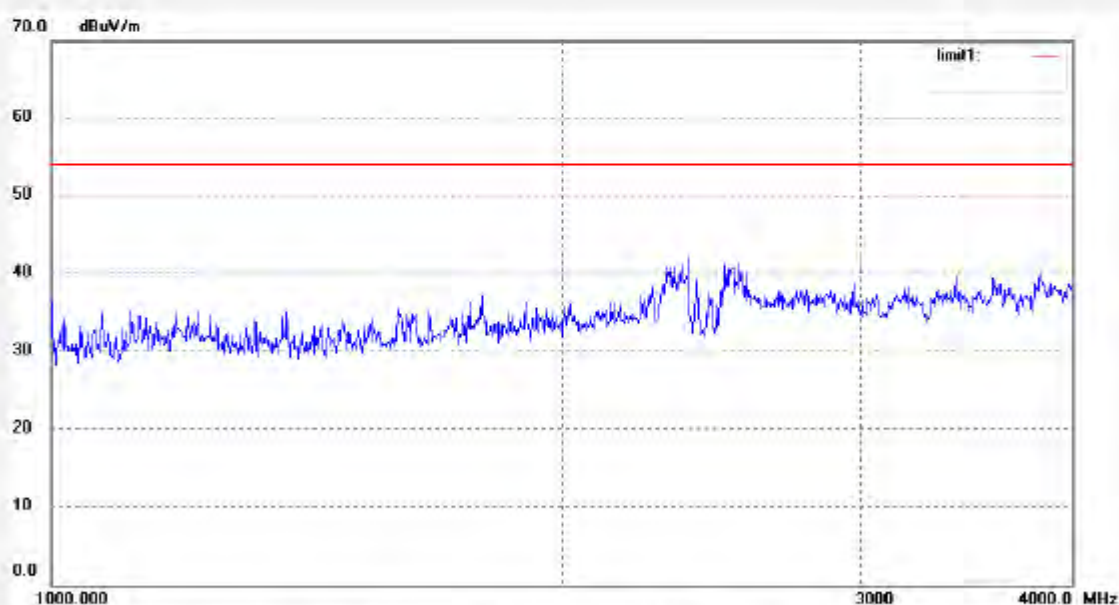
Date: 2011/05/30

Time: 11:16:39

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

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

Job No.: pei #4102

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

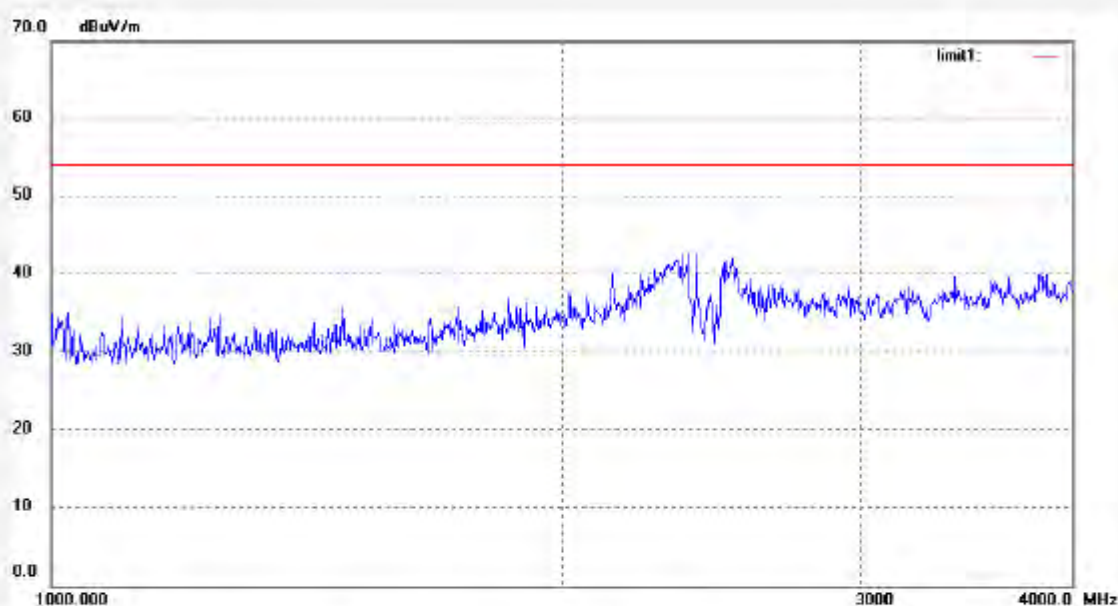
Date: 2011/05/30

Time: 11:12:15

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: pei #4116

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

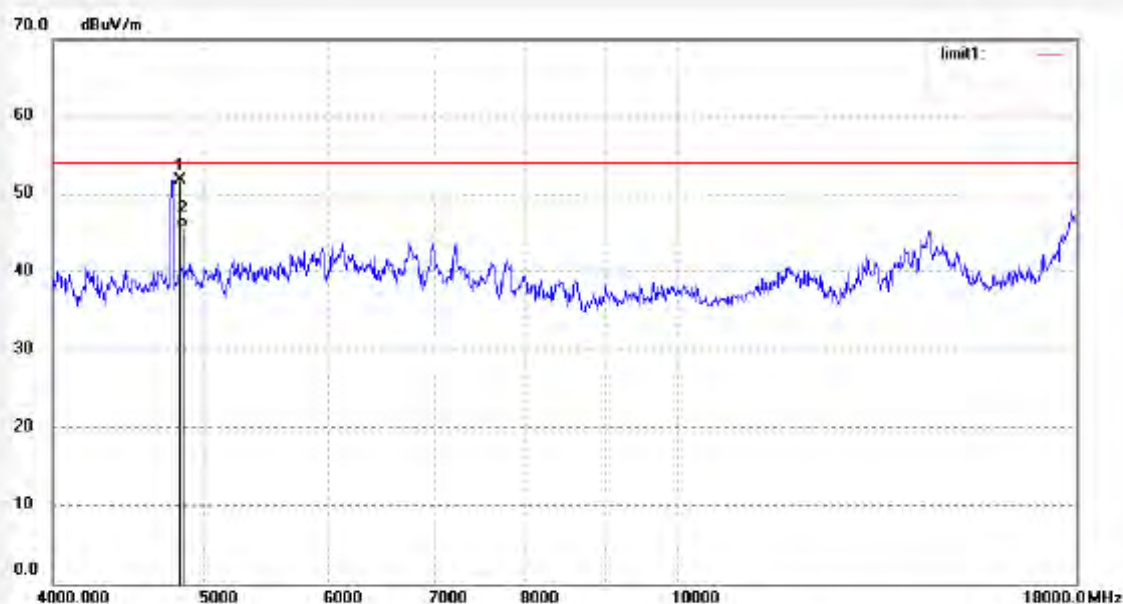
Date: 2011/05/30

Time: 11:25:34

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.054	51.96	-0.19	51.77	74.00	-22.23	peak			
2	4824.054	45.84	-0.19	45.65	54.00	-8.35	AVG			


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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4117

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

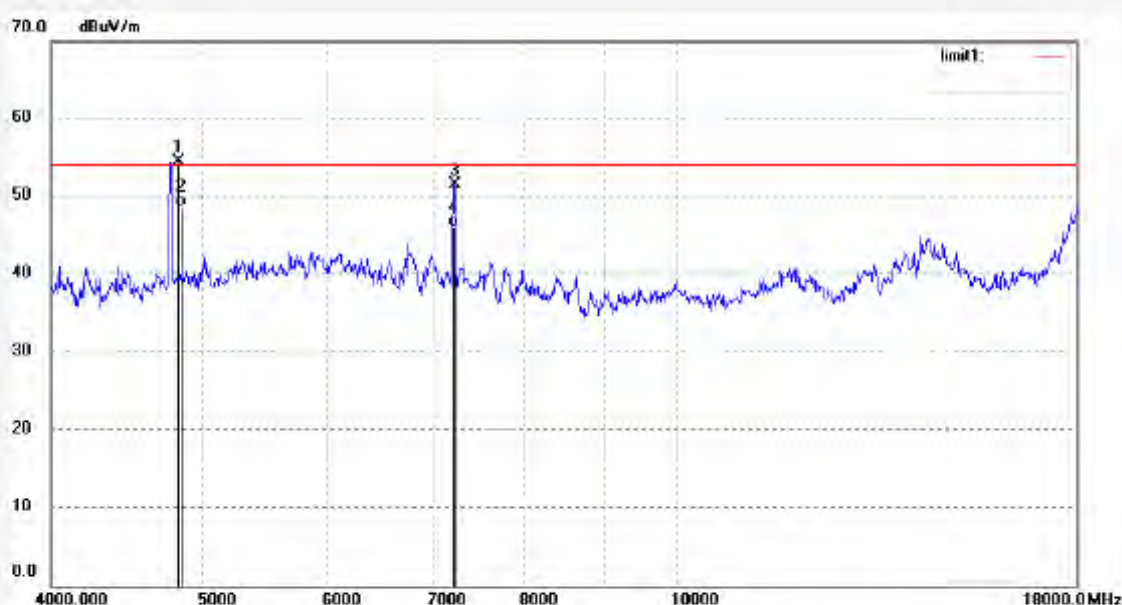
Date: 2011/05/30

Time: 11:34:59

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.054	54.50	-0.19	54.31	74.00	-19.69	peak			
2	4824.054	48.79	-0.19	48.60	54.00	-5.40	AVG			
3	7236.080	48.36	3.05	51.41	74.00	-22.59	peak			
4	7236.080	42.92	3.05	45.97	54.00	-8.03	AVG			



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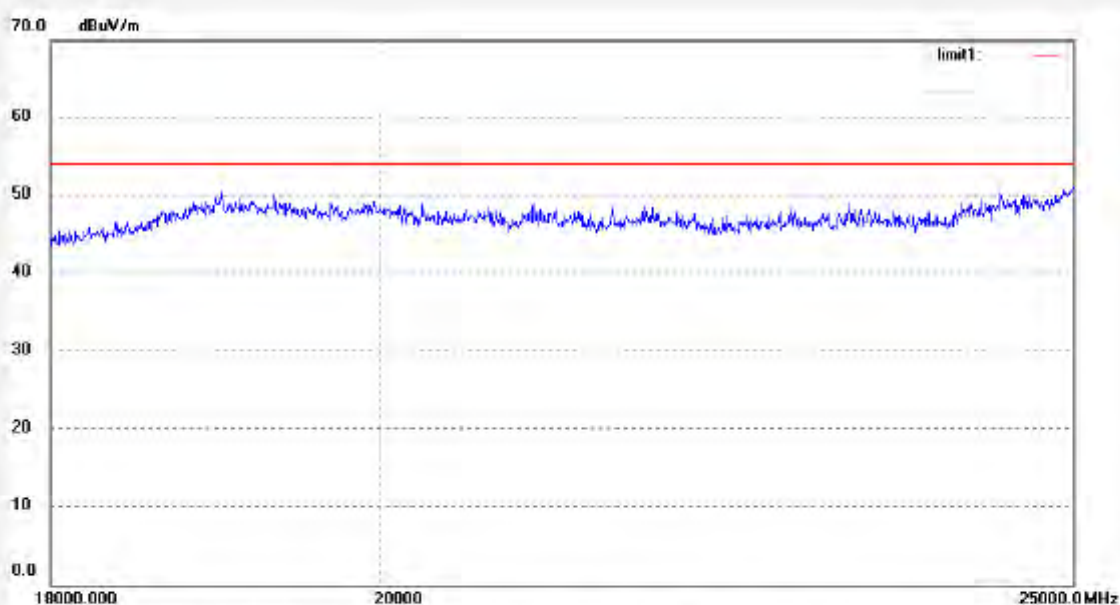
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: pei #4231
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: WiFi Helicopter
Mode: TX Channel 1 (802.11g)
Model: 50600
Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2011/05/31
Time: 10:22:15
Engineer Signature: pei
Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBUV/m)	Factor (dB)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: pei #4230

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 1 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

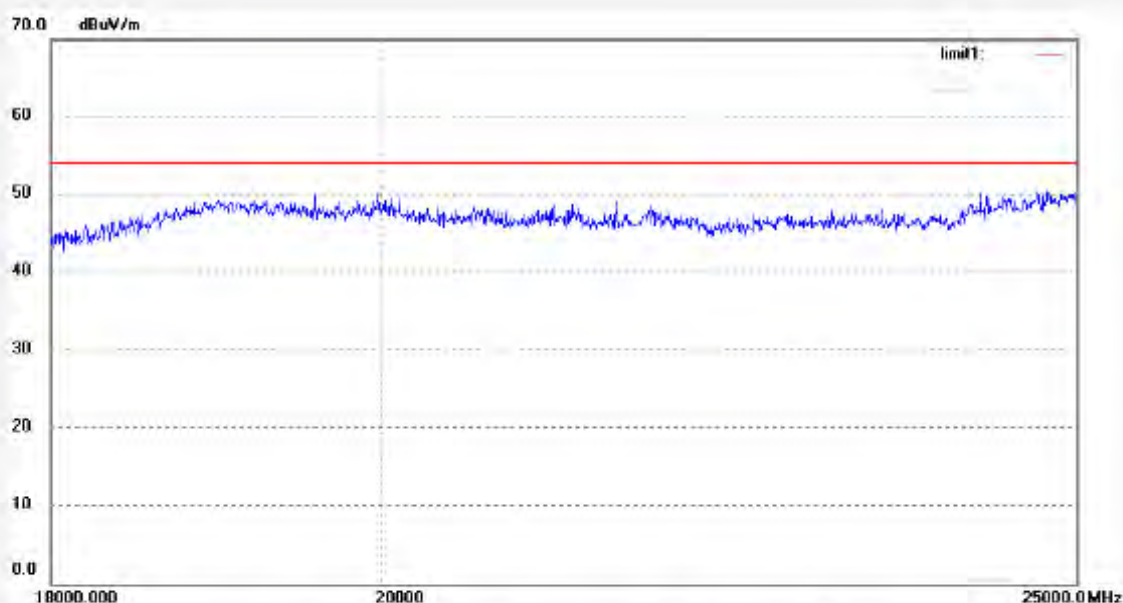
Date: 2011/05/31

Time: 10:16:19

Engineer Signature: pei

Distance: 3m

Note: Report No.:ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4088

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

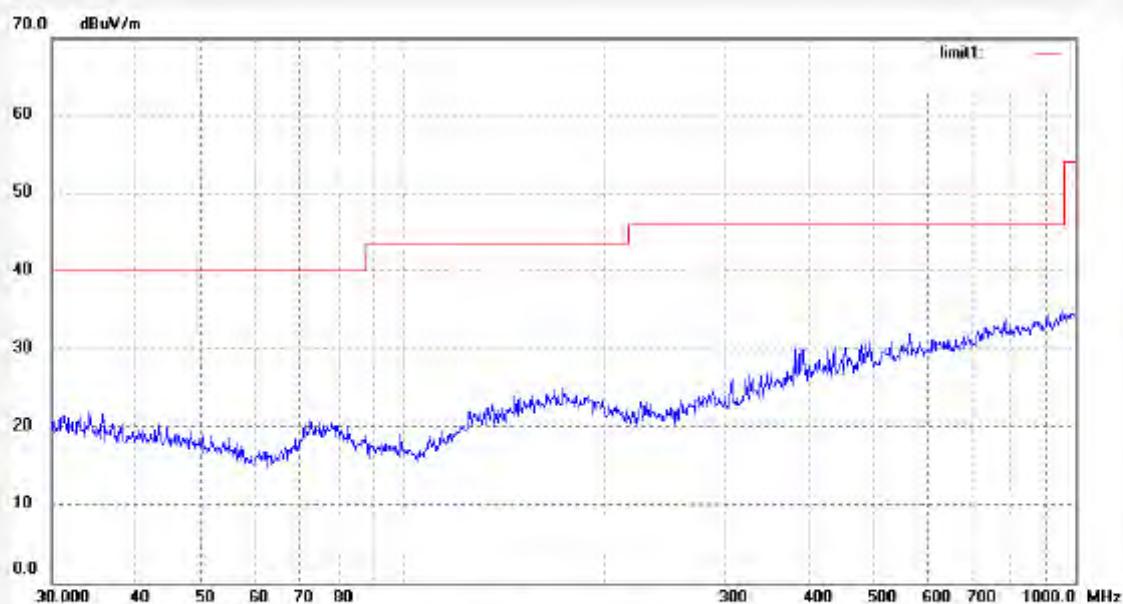
Date: 2011/05/29

Time: 15:39:32

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4089

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

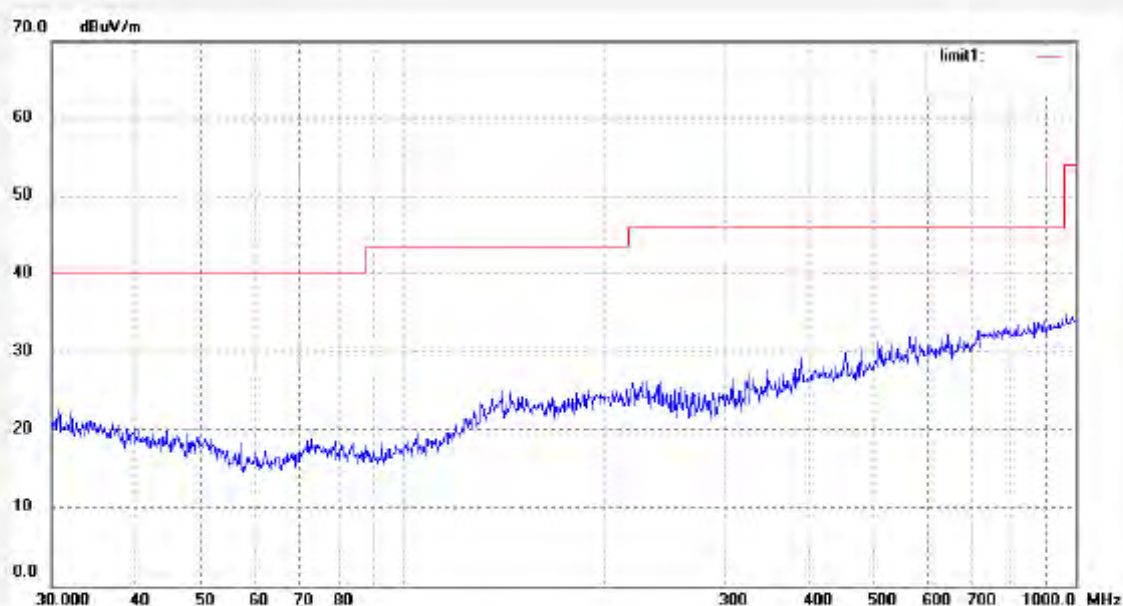
Date: 2011/05/29

Time: 15:43:40

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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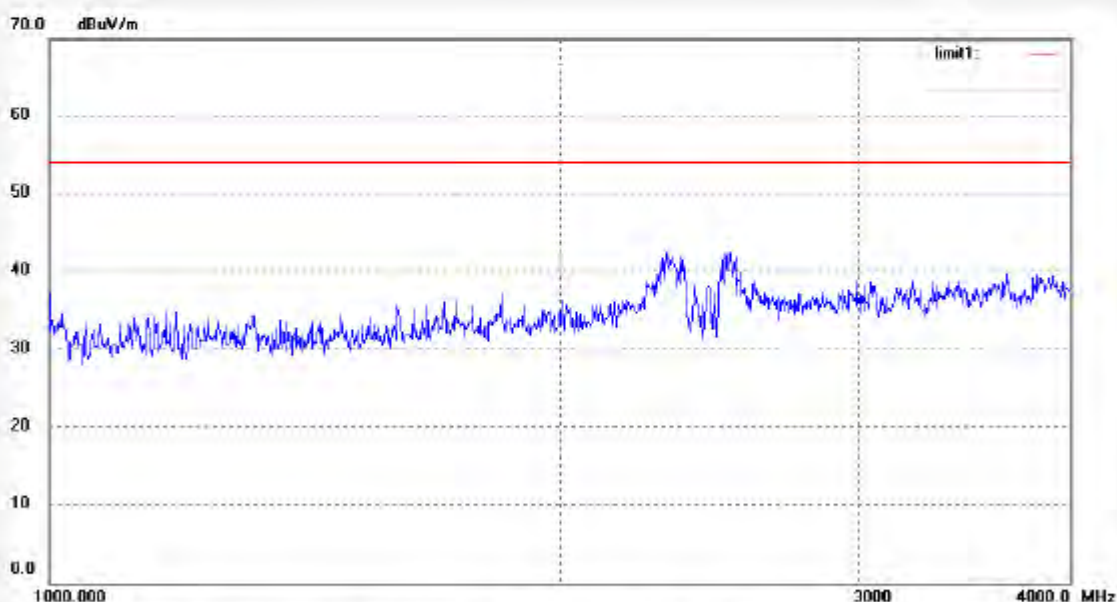
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: pei #4100
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 51 %
EUT: WiFi Helicopter
Mode: TX Channel 6 (802.11g)
Model: 50600
Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2011/05/30
Time: 11:02:24
Engineer Signature: pei
Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4101

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

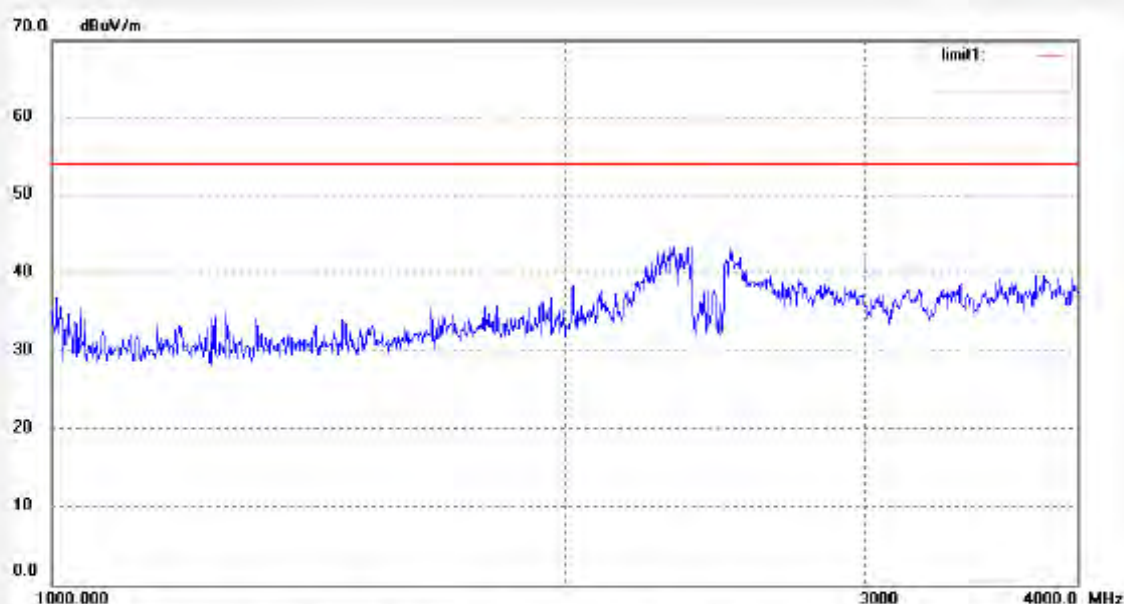
Date: 2011/05/30

Time: 11:07:56

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4119

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

Date: 2011/05/30

Time: 11:50:25

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.053	53.19	0.09	53.28	74.00	-20.72	peak			
2	4874.053	47.98	0.09	48.07	54.00	-5.93	AVG			



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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4118

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

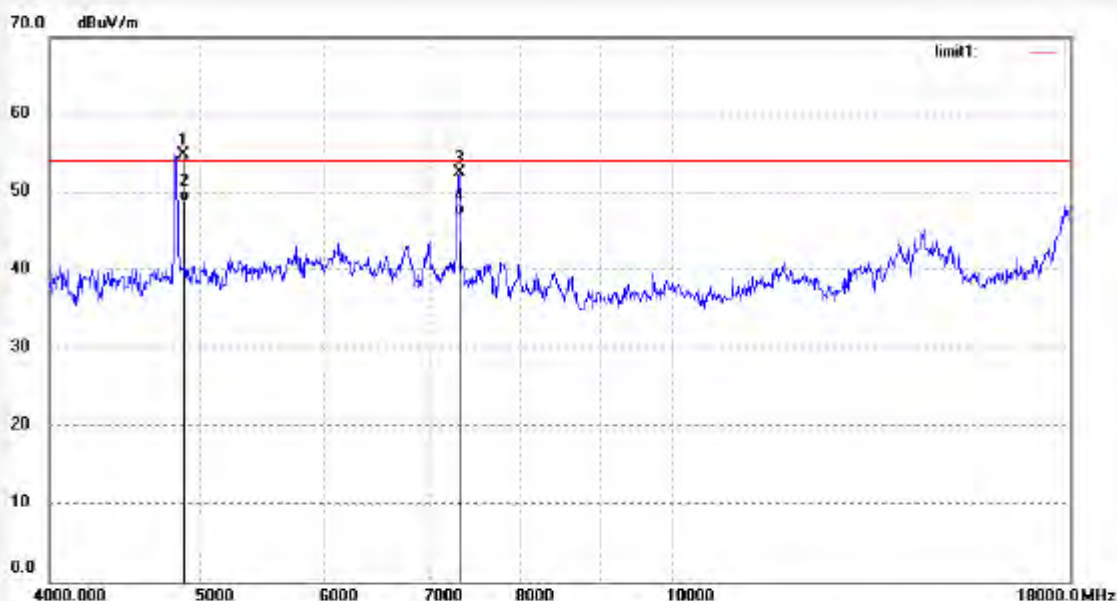
Date: 2011/05/30

Time: 11:42:53

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.053	54.57	0.09	54.66	74.00	-19.34	peak			
2	4874.053	48.63	0.09	48.72	54.00	-5.28	AVG			
3	7311.076	49.28	3.22	52.50	74.00	-21.50	peak			
4	7311.076	43.74	3.22	46.96	54.00	-7.04	AVG			



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

Job No.: pei #4228

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

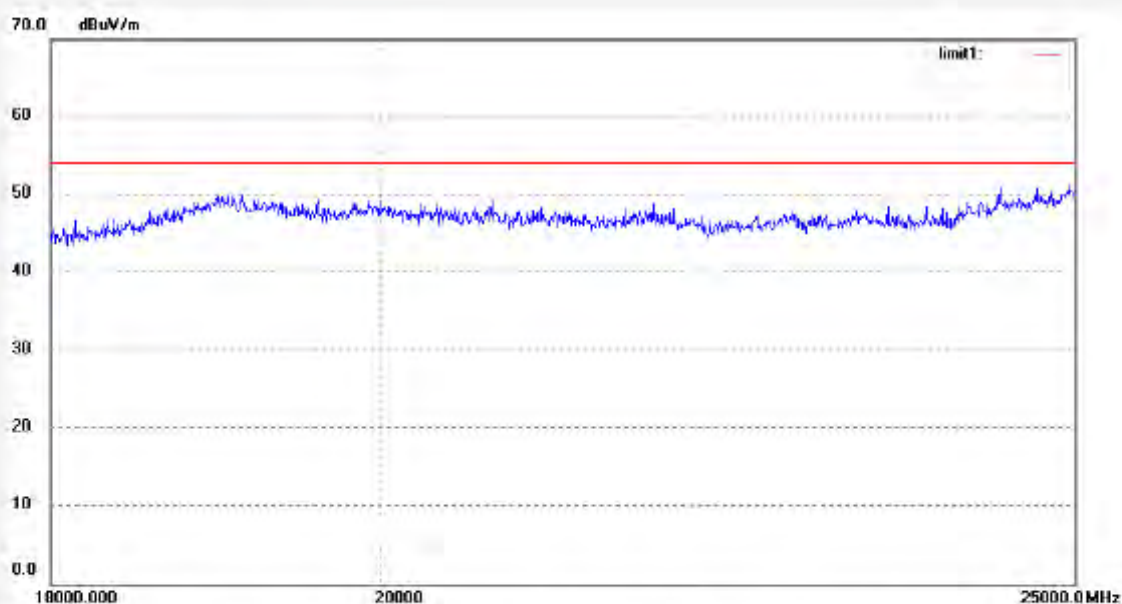
Date: 2011/05/31

Time: 10:04:50

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4229

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 6 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

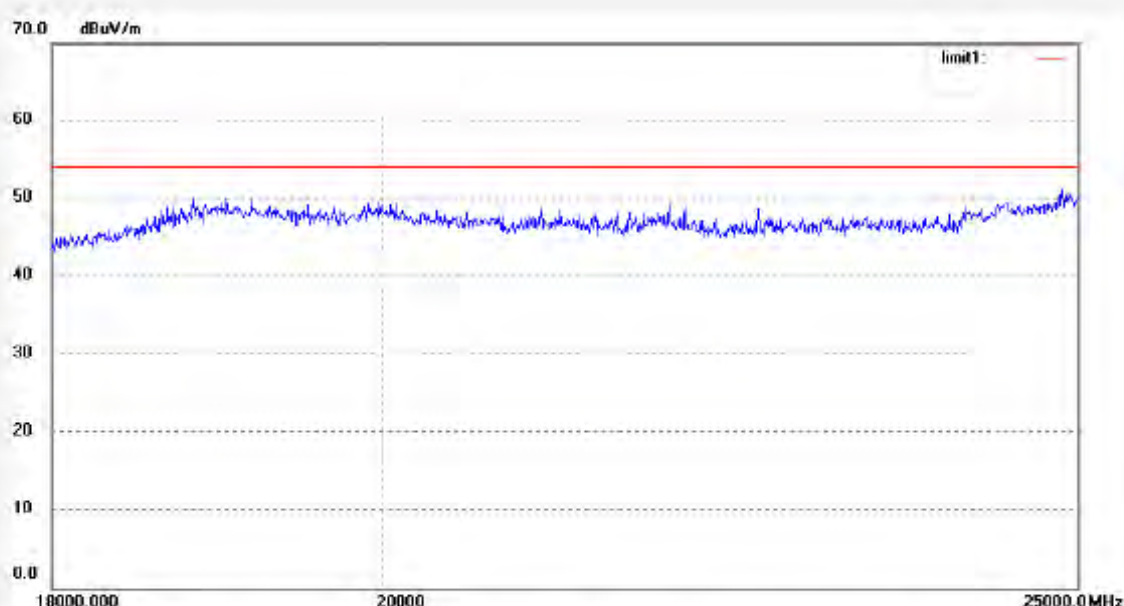
Date: 2011/05/31

Time: 10:11:58

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4091

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

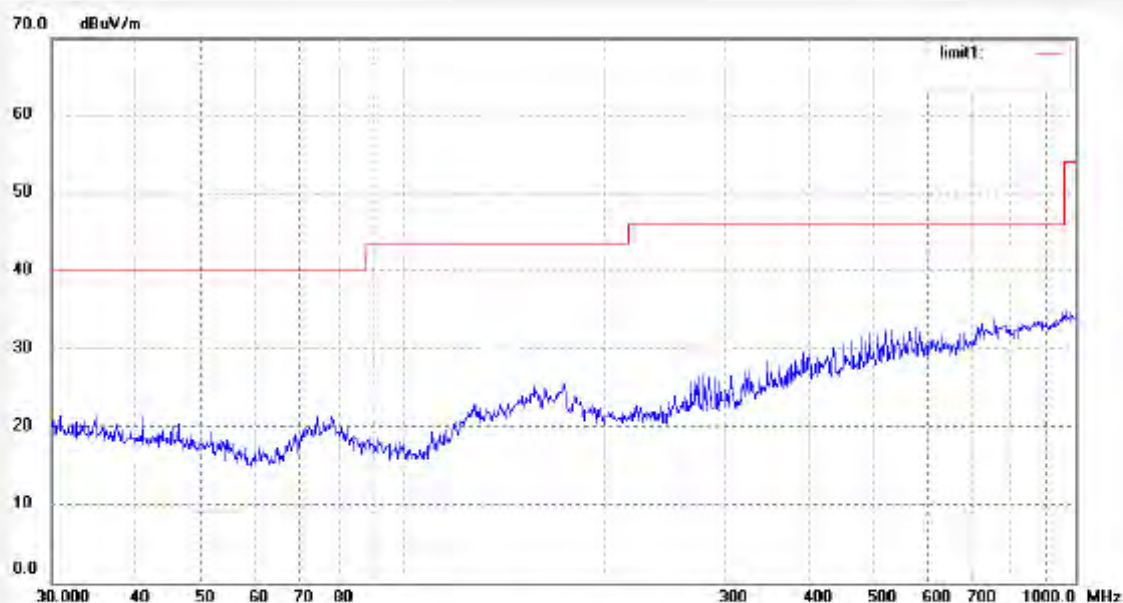
Date: 2011/05/29

Time: 15:53:06

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4090

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

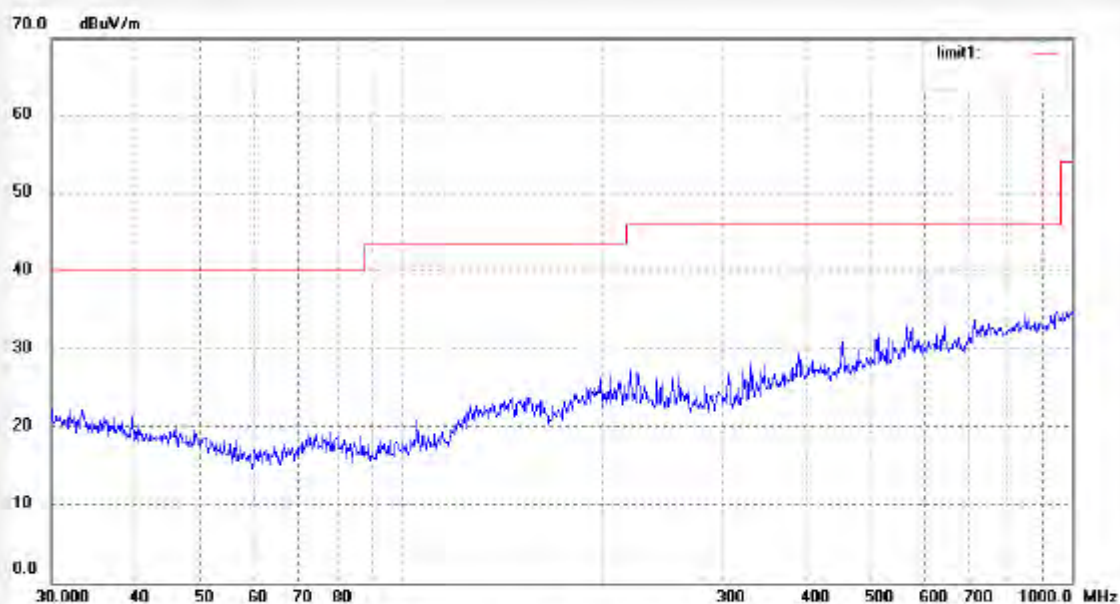
Date: 2011/05/29

Time: 15:48:55

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4099

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

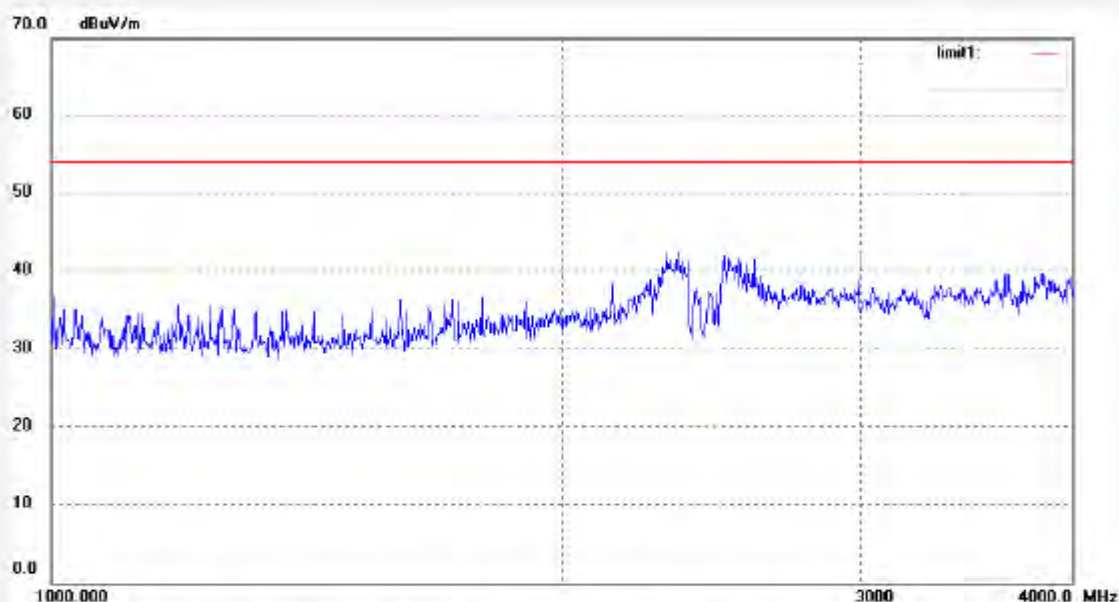
Date: 2011/05/30

Time: 10:57:48

Engineer Signature: pei

Distance: 3m

Note: Report No.:ATE20110978



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4098

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

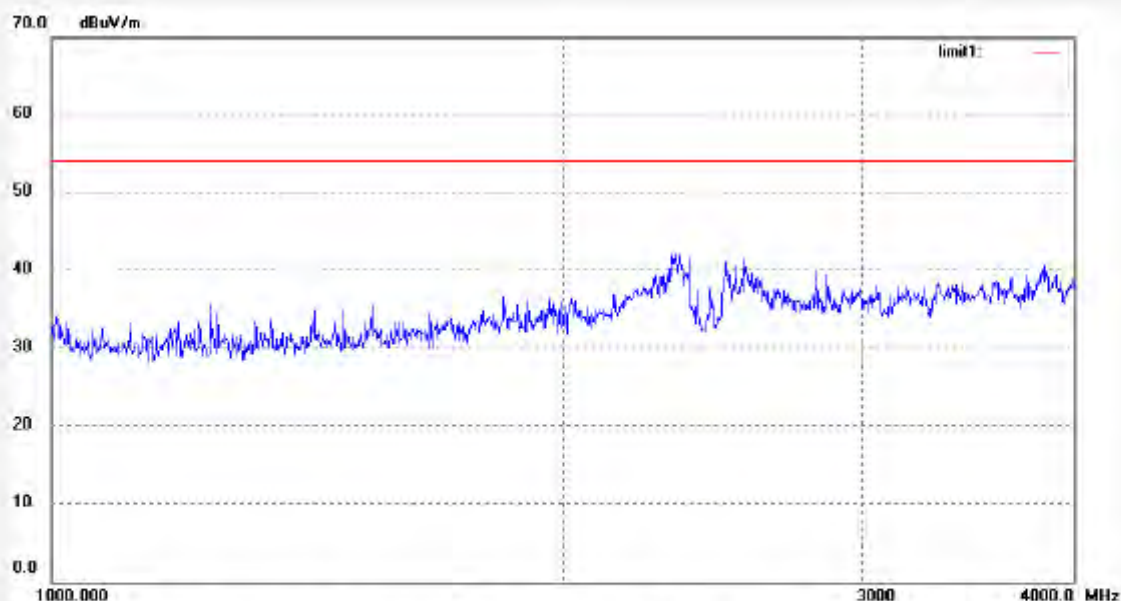
Date: 2011/05/30

Time: 10:42:13

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4120

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

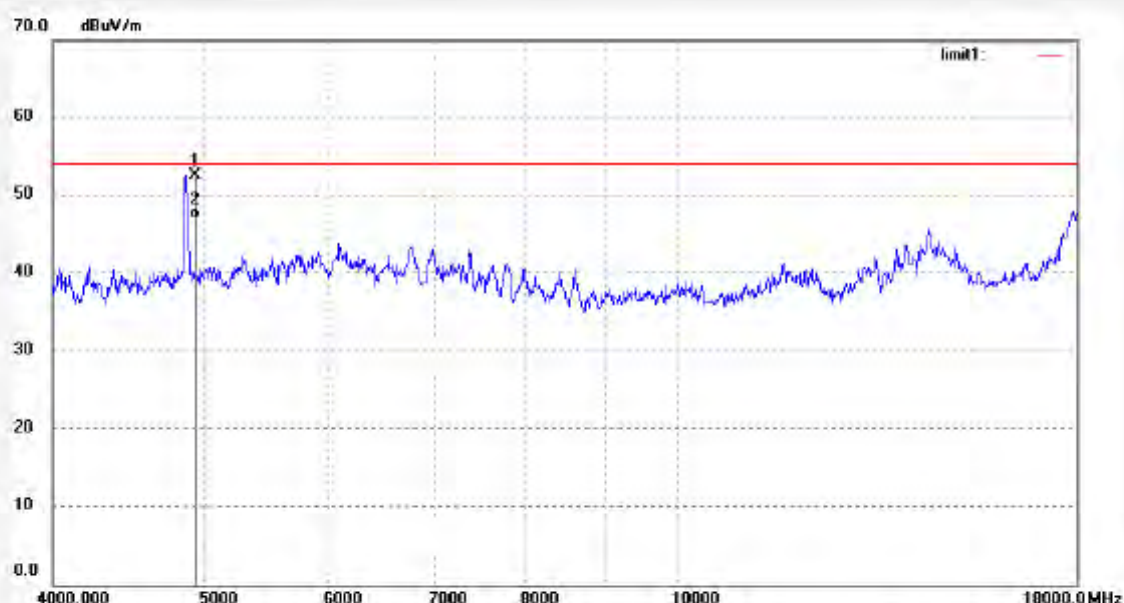
Date: 2011/05/30

Time: 11:59:58

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.050	52.03	0.34	52.37	74.00	-21.63	peak			
2	4924.050	46.51	0.34	46.85	54.00	-7.15	AVG			


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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4121

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

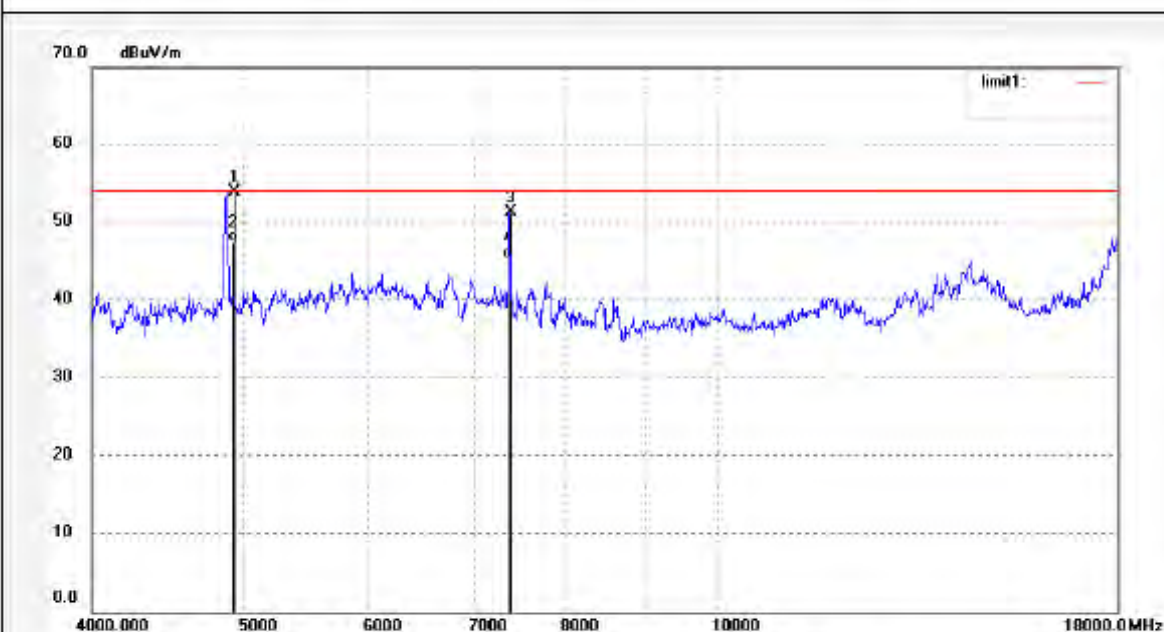
Date: 2011/05/30

Time: 12:11:36

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.050	53.55	0.34	53.89	74.00	-20.11	peak			
2	4924.050	46.95	0.34	47.29	54.00	-6.71	AVG			
3	7386.075	47.73	3.39	51.12	74.00	-22.88	peak			
4	7386.075	41.81	3.39	45.20	54.00	-8.80	AVG			



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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4227

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Horizontal

Power Source: DC 3.7V

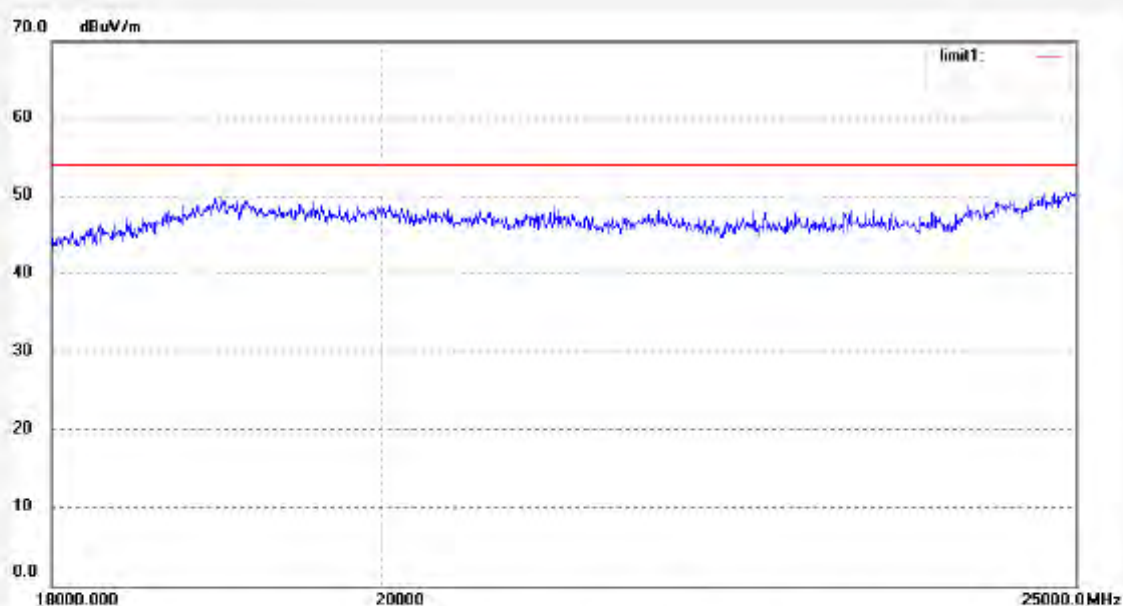
Date: 2011/05/31

Time: 9:59:51

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4226

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 51 %

EUT: WiFi Helicopter

Mode: TX Channel 11 (802.11g)

Model: 50600

Manufacturer: Interactive Toy Concepts (HK) Limited

Polarization: Vertical

Power Source: DC 3.7V

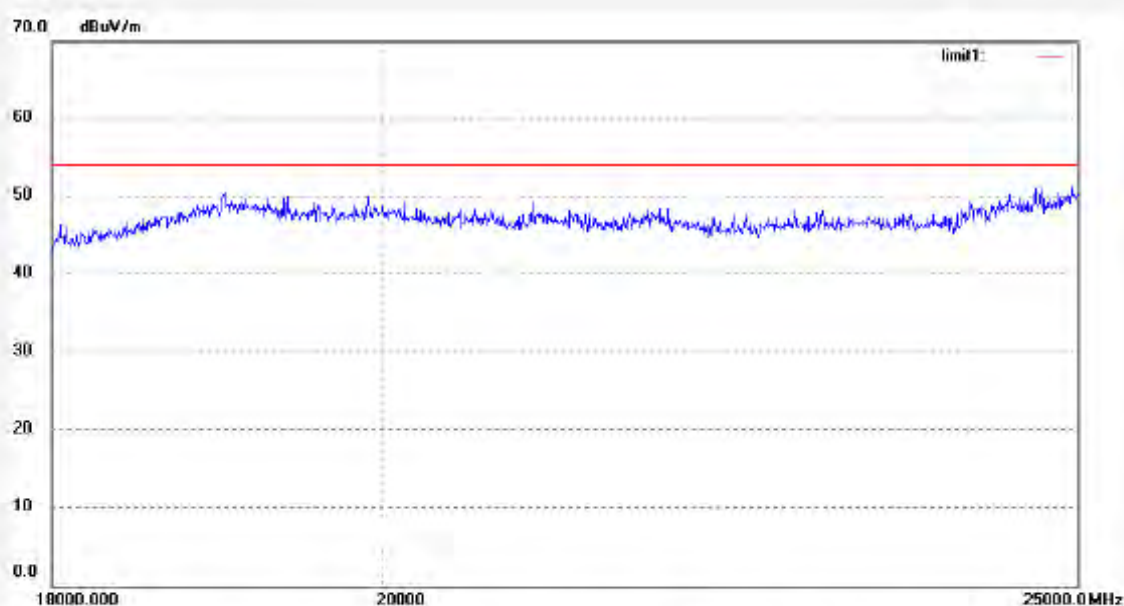
Date: 2011/05/31

Time: 9:53:46

Engineer Signature: pei

Distance: 3m

Note: Report No.: ATE20110978



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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10.3.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.

10.3.1.WiFli Helicopter (EUT)

Model Number : 50600
Serial Number : N/A
Manufacturer : Interactive Toy Concepts Limited

10.4.Operating Condition of EUT

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

10.4.2.Turn on the power of all equipment.

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

10.5.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.

10.6.Power Line Conducted Emission Measurement Results

PASS.

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

Date of Test:	June 2, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	AC 120V/60Hz
Test Mode:	TX 802.11b Channel Middle	Test Engineer:	Pei

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

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

Date of Test:	June 2, 2011	Temperature:	25°C
EUT:	WiFli Helicopter	Humidity:	50%
Model No.:	50600	Power Supply:	AC 120V/60Hz
Test Mode:	TX 802.11g Channel Middle	Test Engineer:	Pei

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

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

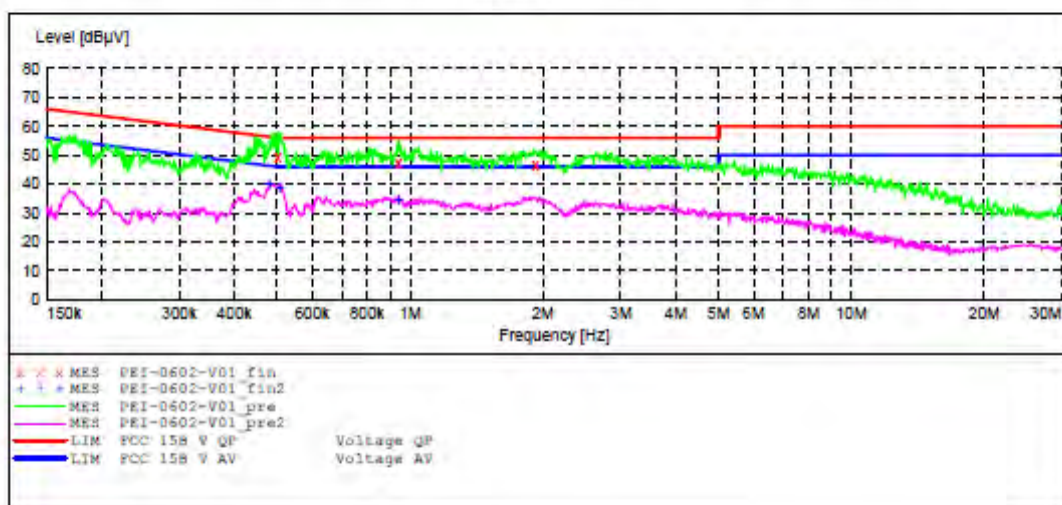
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Wifi Helicopter M/N:50600
 Manufacturer: Interactive Toy Concepts (HK) Limited
 Operating Condition: TX Channel 6 (802.11b)
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Report No.:ATE20110978
 Start of Test: 6/2/2011 / 7:47:53PM

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

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



MEASUREMENT RESULT: "PEI-0602-V01_fin"

6/2/2011 7:53PM

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

MEASUREMENT RESULT: "PEI-0602-V01_fin2"

6/2/2011 7:53PM

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

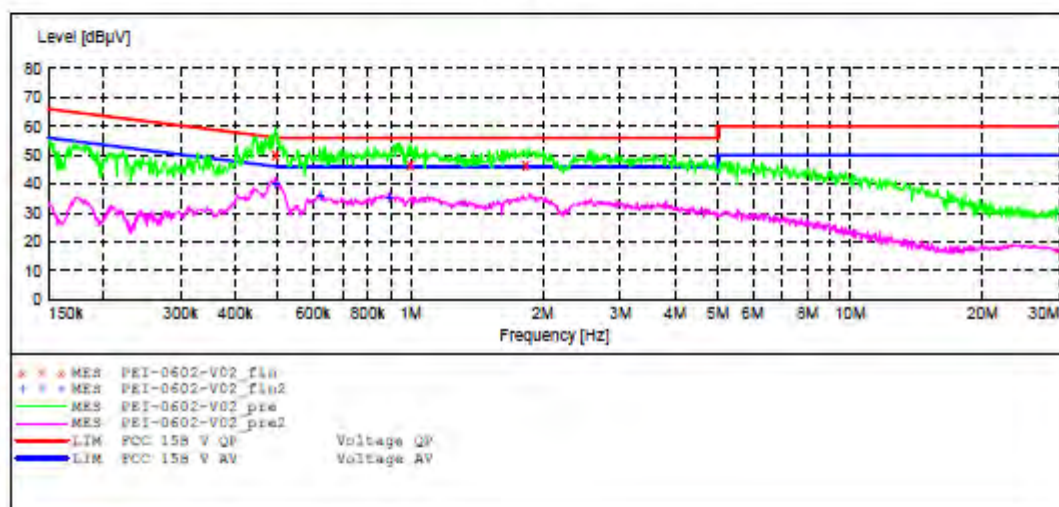
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Wifi Helicopter M/N:50600
 Manufacturer: Interactive Toy Concepts (HK) Limited
 Operating Condition: TX Channel 6 (802.11b)
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Report No.: ATE20110978
 Start of Test: 6/2/2011 / 7:54:09PM

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

Short Description: SUB STD VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "PEI-0602-V02_fin"

6/2/2011 7:56PM

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

MEASUREMENT RESULT: "PEI-0602-V02_fin2"

6/2/2011 7:56PM

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

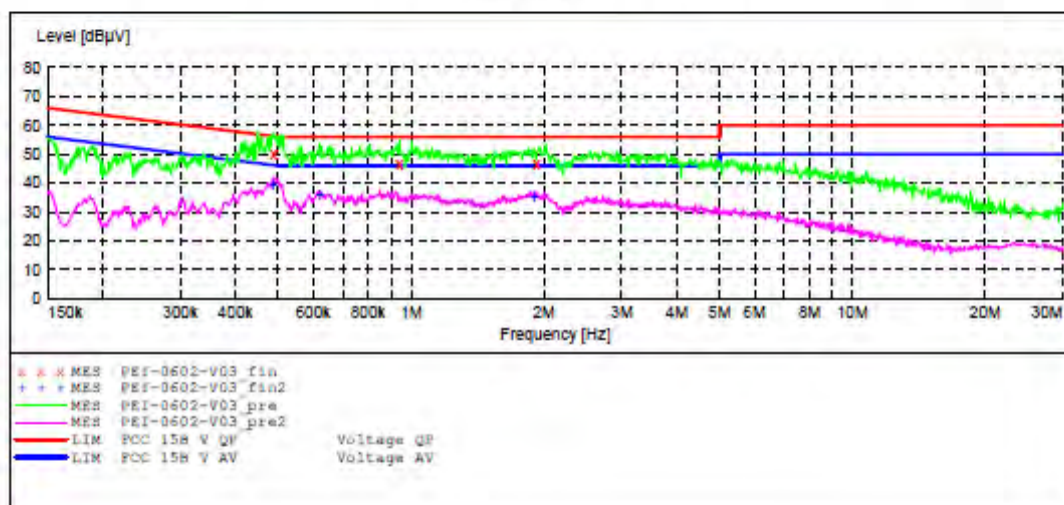
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Wifi Helicopter M/N:50600
 Manufacturer: Interactive Toy Concepts (HK) Limited
 Operating Condition: TX Channel 6 (802.11g)
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Report No.: ATE20110978
 Start of Test: 6/2/2011 / 7:57:07PM

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

Short Description: _SUB STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "PEI-0602-V03_fin"

6/2/2011 7:59PM

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

MEASUREMENT RESULT: "PEI-0602-V03_fin2"

6/2/2011 7:59PM

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

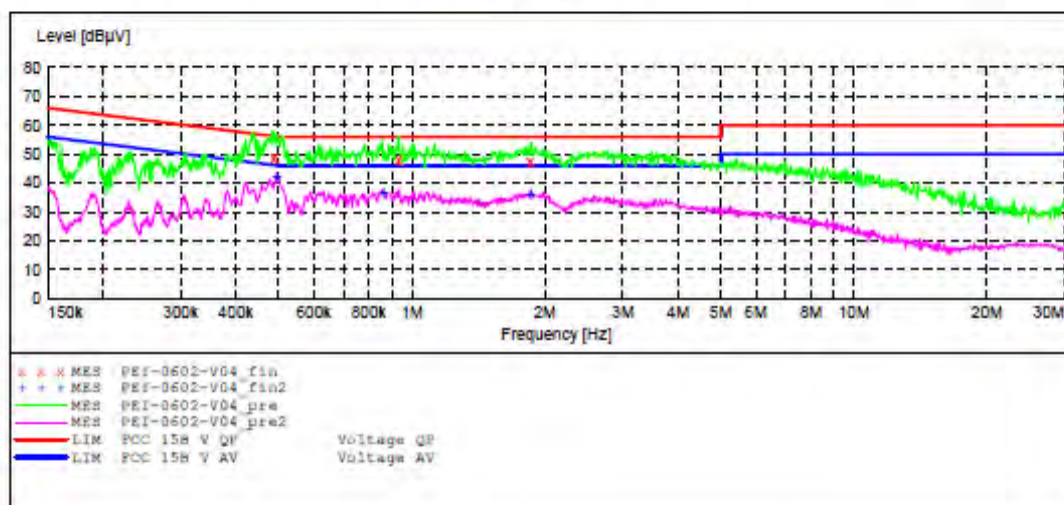
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Wifi Helicopter M/N:50600
 Manufacturer: Interactive Toy Concepts (HK) Limited
 Operating Condition: TX Channel 6 (802.11g)
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Report No.: ATE20110978
 Start of Test: 6/2/2011 / 8:00:19PM

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

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



MEASUREMENT RESULT: "PEI-0602-V04_fin"

6/2/2011 8:02PM

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

MEASUREMENT RESULT: "PEI-0602-V04_fin2"

6/2/2011 8:02PM

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

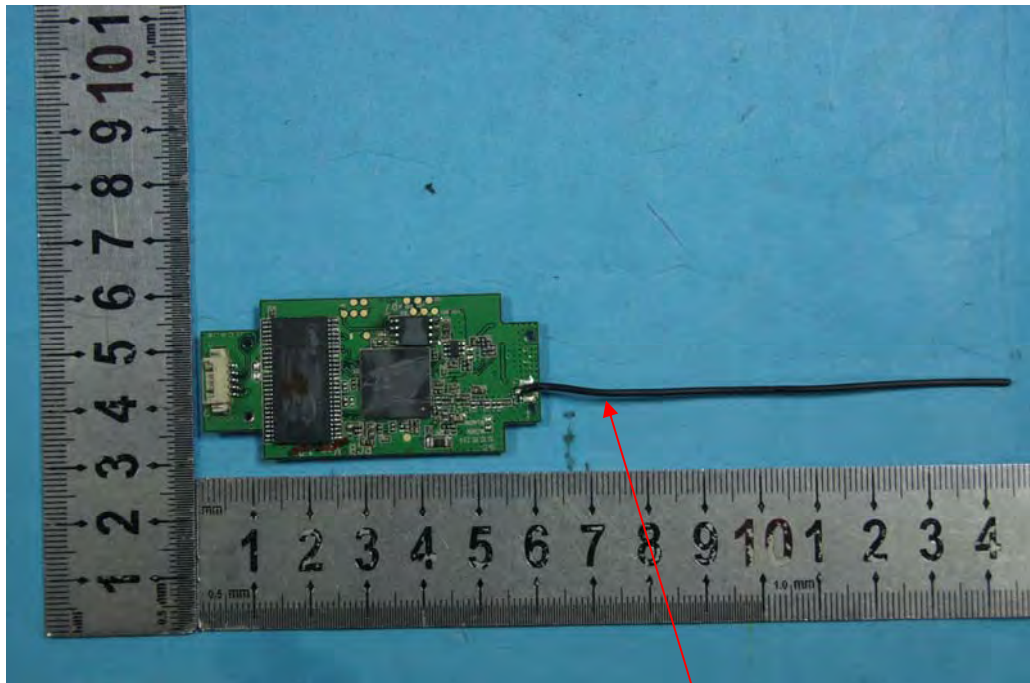
11.ANTENNA REQUIREMENT

11.1.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.

11.2.Antenna Construction

Device is equipped with unique antenna, which a wire antenna linked to PCB. The antenna is omnidirectional with nominal 0dBi gain. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna