FCC CERTIFICATION
On Behalf of
Interactive Toy Concepts Limited

2.4G Flier
Model No.: 22033RX

FCC ID: RSD-22033RX

Prepared for	:	Interactive Toy Concepts Limited
Address	:	Unit 709, 7/F., Tower 2, Cheung Sha Wan Plaza, No.833 Cheung Sha Wan Rd., Kowloon, Hong Kong
Prepared by	:	ACCURATE TECHNOLOGY CO. LTD
Address	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China Tel: (0755) 26503290 Fax: (0755) 26503396

Report Number	:	ATE20130949
Date of Test	:	May 20-25, 2013
Date of Report	:	May 25, 2013

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Description Page

Test Report Certification

Applicant	:	Interactive Toy Concepts Limited
Manufacturer	:	Interactive Toy Concepts Limited
EUT Description	:	2.4G Flier

(A) MODEL NO.: 22033RX

(B) POWER SUPPLY: 3.7V DC (Power by Li-Ion battery) and AC120V/60Hz (Power by USB Port)

Measurement Procedure Used:

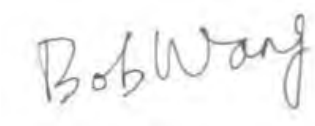
FCC Rules and Regulations Part 15 Subpart C Section 15.249
ANSI C63.4: 2009

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section15.249 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 : December 27, 2012-January 5, 2013

Prepared by :



(Engineer)

Approved & Authorized Signer :

(Manager)

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT	:	2.4G Flier
Model Number	:	22033RX
Power Supply	:	3.7V DC (Power by Li-Ion battery) and AC120V/60Hz (Power by USB Port)
Operate Frequency	:	2414.000-2473.000MHz
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 13, 2012
Date of Test	:	May 20-25, 2013

1.2.Description of Test Facility

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

1.3.Measurement Uncertainty

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

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated date	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 12, 2013	Jan. 11, 2014
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 12, 2013	Jan. 11, 2014
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 12, 2013	Jan. 11, 2014
Pre-Amplifier	Rohde&Schwarz	CBLU1183540-01	3791	Jan. 12, 2013	Jan. 11, 2014
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Feb. 06, 2013	Feb. 05, 2014
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Feb. 06, 2013	Feb. 05, 2014
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Feb. 06, 2013	Feb. 05, 2014
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Feb. 06, 2013	Feb. 05, 2014
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 12, 2013	Jan. 11, 2014
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 12, 2013	Jan. 11, 2014

3. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission	Compliant
Section 15.249(a)	Fundamental and Harmonics Radiated Emission	Compliant
Section 15.249(d)	Spurious Radiated Emission	Compliant
Section 15.249(d)	Band Edge	Compliant
Section 15.203	Antenna Requirement	Compliant
Section 15.207	AC Power Line Conducted Emission Test	Compliant

Remark: “N/A” means “Not applicable”.

4. FUNDAMENTAL AND HARMONICS RADIATED EMISSION FOR SECTION 15.249(A)

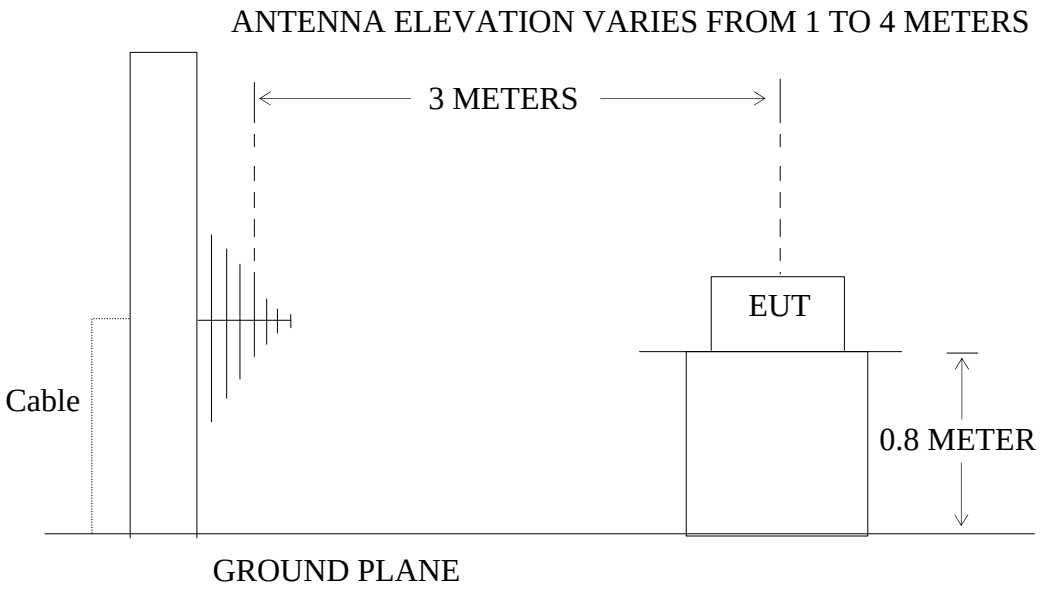
4.1.Block Diagram of Test Setup

4.1.1.Block diagram of connection between the EUT and simulators

EUT

(EUT: 2.4G Flier)

4.1.2.Semi-Anechoic Chamber Test Setup Diagram



(EUT: 2.4G Flier)

4.2.The Emission Limit

4.2.1.For intentional radiators, According to section 15.249(a), Operation within the frequency band of 2.4 to 2.4835GHz, The fundamental field strength shall not exceed 94 dBμV/m and the harmonics shall not exceed 54 dBμV/m.

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of harmonics (microvolts/meter)
902-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

4.2.2.According to section 15.249(e), as shown in section 15.35(b), the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

4.3.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.

4.3.1. 2.4G Flier (EUT)

Model Number : 22033RX
Serial Number : N/A
Manufacturer : Interactive Toy Concepts Limited

4.4.Operating Condition of EUT

4.4.1.Setup the EUT and simulator as shown as Section 4.1.

4.4.2.Turn on the power of all equipment.

4.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2414.000 - 2473.000 MHz MHz. We are select 2414.000MHz, 2447.000MHz, 2473.000MHz TX frequency to transmit.

4.5. 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 bi-log 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: 2009 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

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

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

4.6. The Field Strength of Radiation Emission Measurement Results

PASS.

Date of Test:	May 24, 2013	Temperature:	25°C
EUT:	2.4G Flier	Humidity:	50%
Model No.:	22033RX	Power Supply:	DC 3.7V
Test Mode:	TX 2414.000MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2414.000	98.32	103.55	-7.42	90.90	96.13	94.00	114.00	-3.10	-17.87	Vertical
2414.000	97.62	102.67	-7.42	90.20	95.25	94.00	114.00	-3.80	-18.75	Horizontal

Harmonics Radiated Emissions

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
4828.000	47.69	50.42	-0.17	47.52	50.25	54.00	74.00	-6.48	-23.75	Vertical
4828.000	43.33	47.43	-0.17	43.16	47.26	54.00	74.00	-10.84	-26.74	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

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	May 24, 2013	Temperature:	25°C
EUT:	2.4G Flier	Humidity:	50%
Model No.:	22033RX	Power Supply:	DC 3.7V
Test Mode:	TX 2447.000MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

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	
2447.000	97.30	102.42	-7.34	89.96	95.08	94.00	114.00	-4.04	-18.92	Vertical
2447.000	98.62	103.78	-7.34	91.28	96.44	94.00	114.00	-2.72	-17.56	Horizontal

Harmonics Radiated Emissions

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	
4894.000	48.81	50.20	0.20	49.01	50.40	54.00	74.00	-4.99	-23.60	Vertical
4894.000	43.33	48.20	0.20	43.53	48.40	54.00	74.00	-10.47	-25.60	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

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	May 24, 2013	Temperature:	25°C
EUT:	2.4G Flier	Humidity:	50%
Model No.:	22033RX	Power Supply:	DC 3.7V
Test Mode:	TX 2473.000MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

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	
2473.000	98.01	10.60	-7.36	90.65	96.24	94.00	114.00	-3.35	-17.76	Vertical
2473.000	96.37	102.64	-7.36	89.01	95.28	94.00	114.00	-4.99	-18.72	Horizontal

Harmonics Radiated Emissions

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	
4946.000	47.35	50.57	0.46	47.81	51.03	54.00	74.00	-6.19	-22.97	Vertical
4946.000	48.21	50.45	0.46	48.67	50.91	54.00	74.00	-5.33	-23.09	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

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain
3. The spectral diagrams in appendix I display the measurement of peak values.

5. SPURIOUS RADIATED EMISSION FOR SECTION 15.249(D)

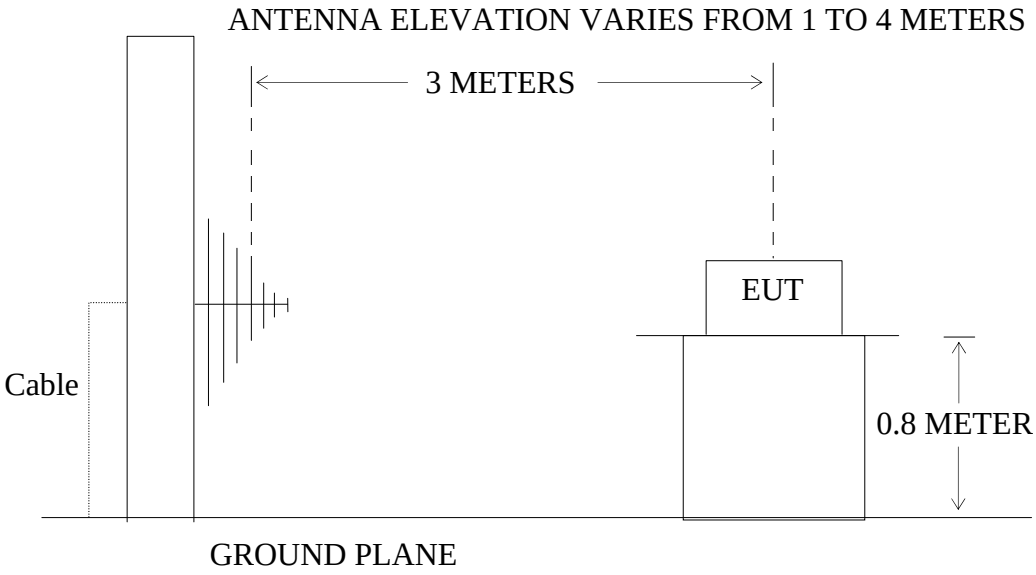
5.1.Block Diagram of Test Setup

5.1.1.Block diagram of connection between the EUT and simulators

EUT

(EUT: 2.4G Flier)

5.1.2.Semi-Anechoic Chamber Test Setup Diagram



(EUT: 2.4G Flier)

5.2.The Emission Limit For Section 15.249(d)

5.2.1.Emission radiated outside of the specified frequency bands, except for harmonics, shall be comply with the general radiated emission limits in Section 15.209.

Radiation Emission Measurement Limits According to Section 15.209

Frequency (MHz)	Limit		
	Field Strength (microvolts/meter)	Measurement Distance (meters)	The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector.
0.009 – 0.490	2400/F(kHz)	300	

0.490 – 1.705	24000/F(kHz)	30	Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.
1.705 – 30.0	30	30	
30 - 88	100	3	
88 - 216	150	3	
216 - 960	200	3	
Above 960	500	3	

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. 2.4G Flier (EUT)

Model Number **:** 22033RX
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 2414.000 - 2473.000 MHz. We are select 2414.000MHz, 2447.000MHz, 2473.000MHz TX frequency to transmit.

5.5. 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: 2009 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

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

The frequency range from 9kHz to 25GHz is checked.

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

5.6. The Emission Measurement Result

PASS.

Date of Test:	May 24, 2013	Temperature:	25°C
EUT:	2.4G Flier	Humidity:	50%
Model No.:	22033RX	Power Supply:	DC 3.7V
Test Mode:	TX 2414.000MHz	Test Engineer:	Pei

Below 30MHz

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

30MHz-25GHz

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

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	May 24, 2013	Temperature:	25°C
EUT:	2.4G Flier	Humidity:	50%
Model No.:	22033RX	Power Supply:	DC 3.7V
Test Mode:	TX 2447.000MHz	Test Engineer:	Pei

Below 30MHz

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

30MHz-25GH

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

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	May 24, 2013	Temperature:	25°C
EUT:	2.4G Flier	Humidity:	50%
Model No.:	22033RX	Power Supply:	DC 3.7V
Test Mode:	TX 2473.000MHz	Test Engineer:	Pei

Below 30MHz

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

30MHz-25GH

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

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain
3. The spectral diagrams in appendix I display the measurement of peak values.

6. BAND EDGES

6.1.The Requirement

6.1.1.Band Edge from 2400MHz to 2483.5MHz. Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

6.2.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.

6.2.1. 2.4G Flier (EUT)

Model Number	**:**	22033RX
Serial Number	**:**	N/A
Manufacturer	**:**	Interactive Toy Concepts Limited

6.3.Operating Condition of EUT

6.3.1.Setup the EUT and simulator as shown as Section 4.1.

6.3.2.Turn on the power of all equipment.

6.3.3. Let the EUT work in TX modes measure it. The transmit frequency are 2414.000-2473.000MHz MHz. We are select 2414.000MHz, 2473.000MHz TX frequency to transmit.

6.4.Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
   RBW=1MHz, VBW=1MHz

6.5.The Measurement Result

Pass.

Date of Test:	May 24, 2013	Temperature:	25°C
EUT:	2.4G Flier	Humidity:	50%
Model No.:	22033RX	Power Supply:	DC 3.7V
Test Mode:	TX 2414.000MHz	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	
2310.000	43.21	48.59	-7.81	35.40	40.78	54.00	74.00	-18.60	-33.22	Vertical
2350.000	42.65	48.86	-7.79	34.86	41.07	54.00	74.00	-19.14	-32.92	Vertical
2390.000	45.58	50.38	-7.53	38.05	42.85	54.00	74.00	-15.95	-31.15	Vertical
2310.000	41.57	46.78	-7.81	33.76	38.97	54.00	74.00	-20.24	-35.03	Horizontal
2350.000	42.36	47.34	-7.79	34.57	39.55	54.00	74.00	-19.43	-34.45	Horizontal
2390.000	43.68	48.64	-7.53	36.15	41.11	54.00	74.00	-17.85	-32.89	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

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	May 24, 2013	Temperature:	25°C
EUT:	2.4G Flier	Humidity:	50%
Model No.:	22033RX	Power Supply:	DC 3.7V
Test Mode:	TX 2473.000MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	47.65	52.38	-7.37	40.28	45.01	54.00	74.00	-13.72	-28.99	Vertical
2493.000	44.16	49.77	-7.39	36.77	42.38	54.00	74.00	-17.23	-31.62	Vertical
2500.000	44.79	49.24	-7.40	37.39	41.84	54.00	74.00	-16.61	-32.16	Vertical
2483.500	47.62	51.38	-7.37	40.25	44.01	54.00	74.00	-13.75	-29.99	Horizontal
2493.000	44.69	49.16	-7.39	37.30	41.77	54.00	74.00	-16.70	-32.23	Horizontal
2500.000	42.24	47.35	-7.40	34.84	39.95	54.00	74.00	-19.16	-34.05	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:

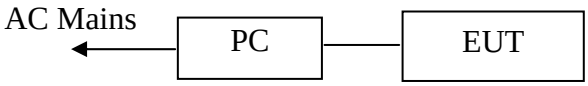
   Result = Reading + Corrected Factor

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain
3. The spectral diagrams in appendix I display the measurement of peak values.

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

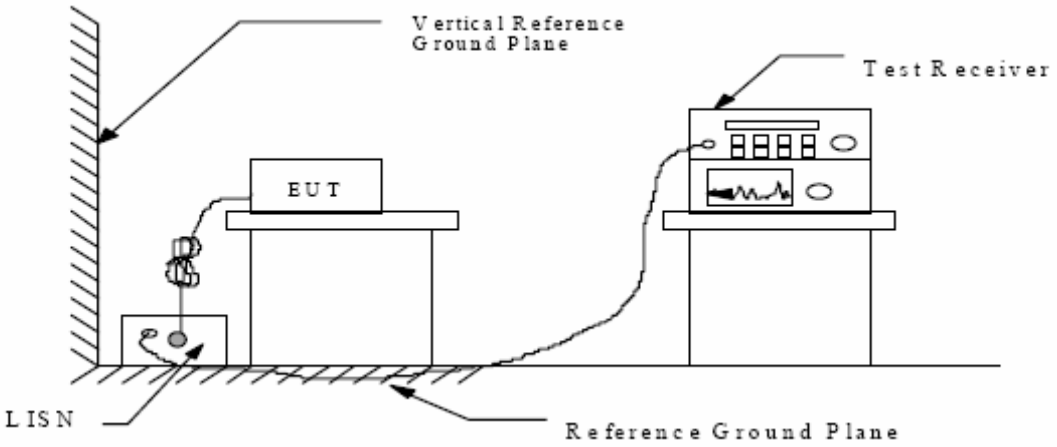
7.1.Block Diagram of Test Setup

7.1.1.Block diagram of connection between the EUT and simulators



(EUT: 2.4G Flier)

7.1.2.Shielding Room Test Setup Diagram



(EUT: 2.4G Flier)

7.2.The Emission Limit

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

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

* Decreases with the logarithm of the frequency.

7.3.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.

7.3.1.2.4G Flier (EUT)

Model Number	**:**	22033RX
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 charging mode measure it.

7.5.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.

7.6.Power Line Conducted Emission Measurement Results

PASS.

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

Date of Test:	May 24, 2013	Temperature:	25°C
EUT:	2.4G Flier	Humidity:	50%
Model No.:	22033RX	Power Supply:	AC 120/60Hz
Test Mode:	Charging	Test Engineer:	Pei

Frequency (MHz)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector	Line
0.182408	47.40	64	-17.0	QP	Neutral
0.451436	42.10	57	-14.7	QP	
18.638731	34.80	60	-25.2	QP	
0.453242	32.80	47	-14.0	AV	
1.007099	30.00	46	-16.0	AV	
19.397844	28.40	50	-21.6	AV	
0.188327	48.40	64	-15.7	QP	Live
0.410192	40.80	58	-16.8	QP	
18.938744	34.80	60	-25.2	QP	
0.410192	30.50	48	-17.1	AV	
4..72.0838	26.50	46	-19.5	AV	
18.713286	27.60	50	-22.4	AV	

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

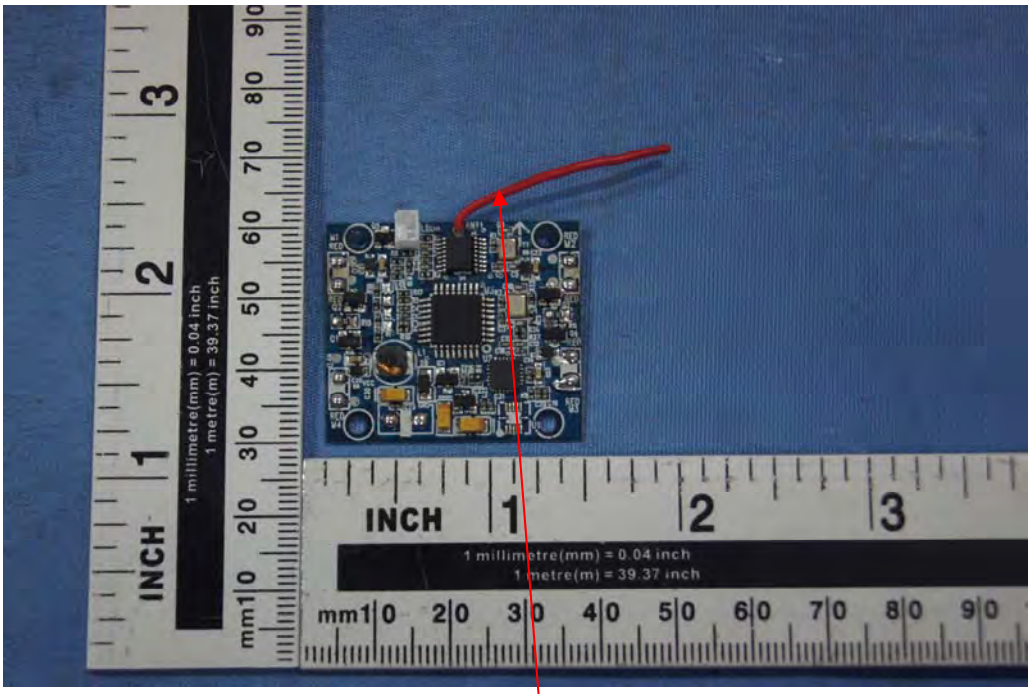
8. ANTENNA REQUIREMENT

8.1. The Requirement

8.1.1. 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.

8.2. Antenna Construction

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



APPENDIX I
(Test Curves)

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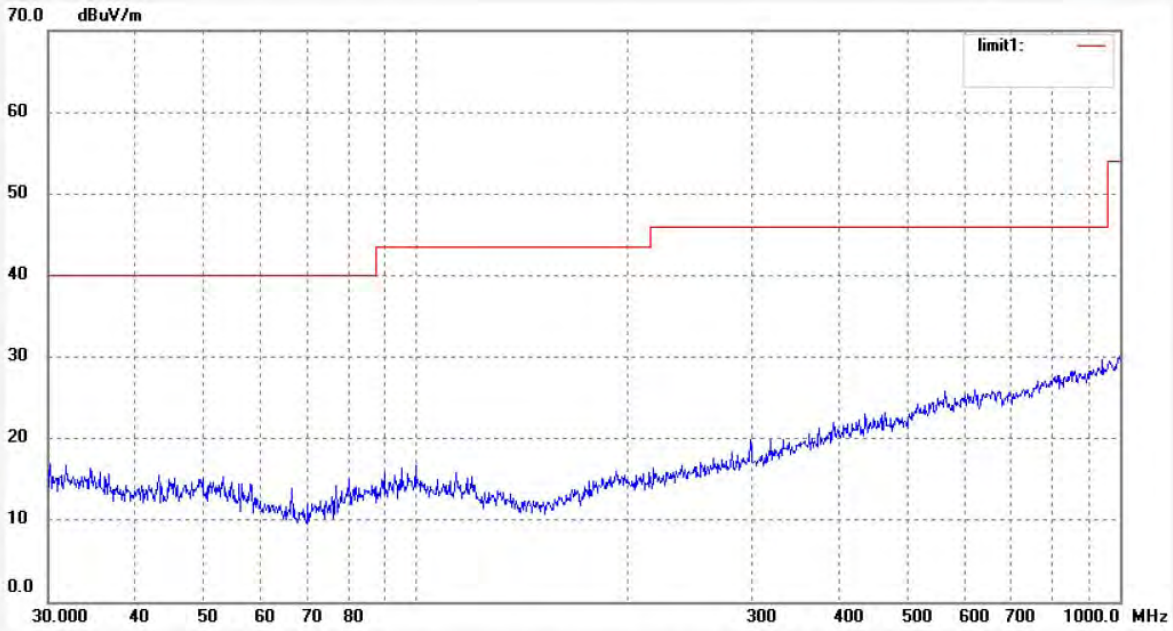
Job No.: Bob #5549	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/40/42
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2414MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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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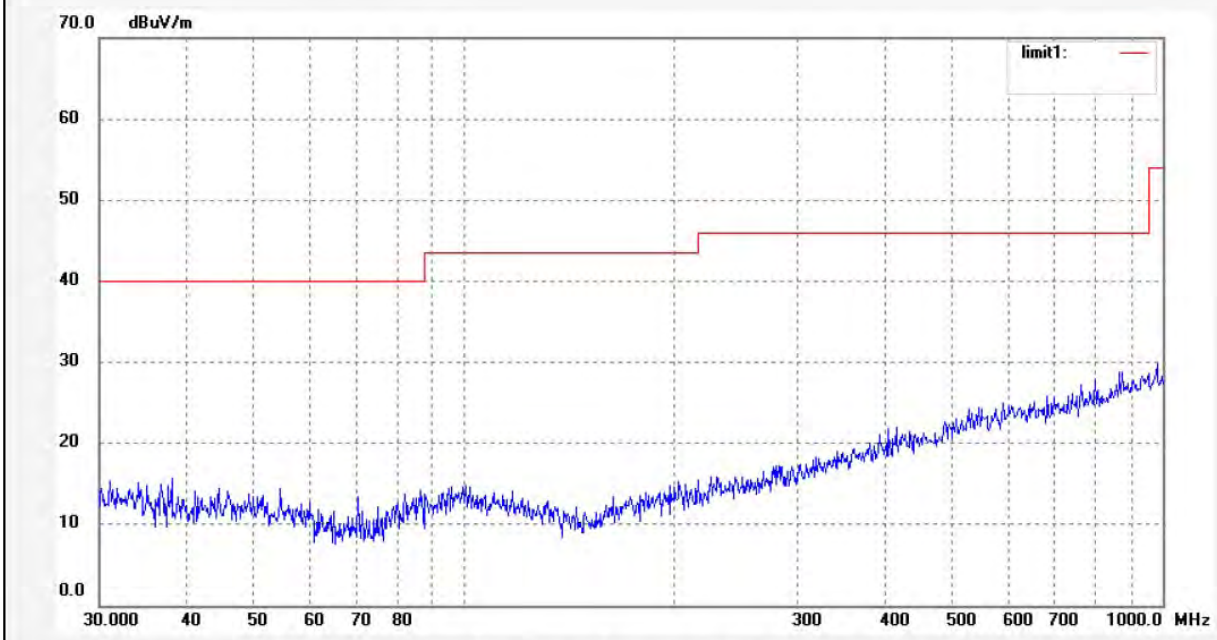
Job No.: Bob #5550	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/42/13
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2414MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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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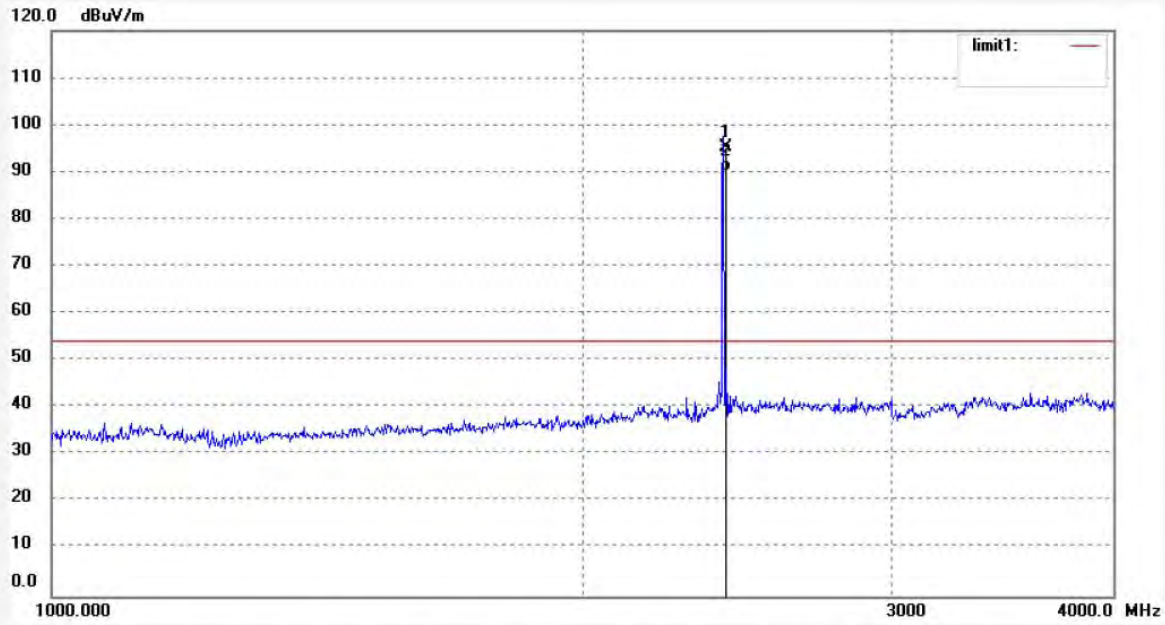
Job No.: Bob #5517	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/00/11
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2414MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2414.000	102.67	-7.42	95.25	114.00	-18.75	peak			
2	2414.000	97.62	-7.42	90.20	94.00	-3.80	AVG			

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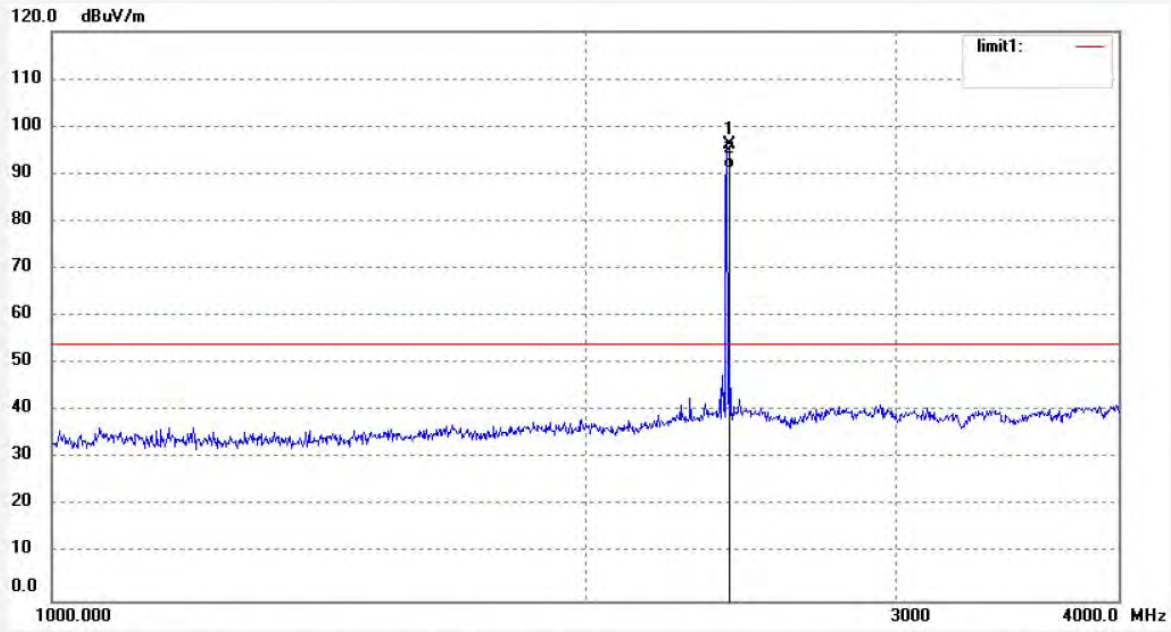
Job No.: Bob #5518	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/03/31
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2414MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2414.000	103.55	-7.42	96.13	114.00	-17.87	peak			
2	2414.000	98.32	-7.42	90.90	94.00	-3.10	AVG			

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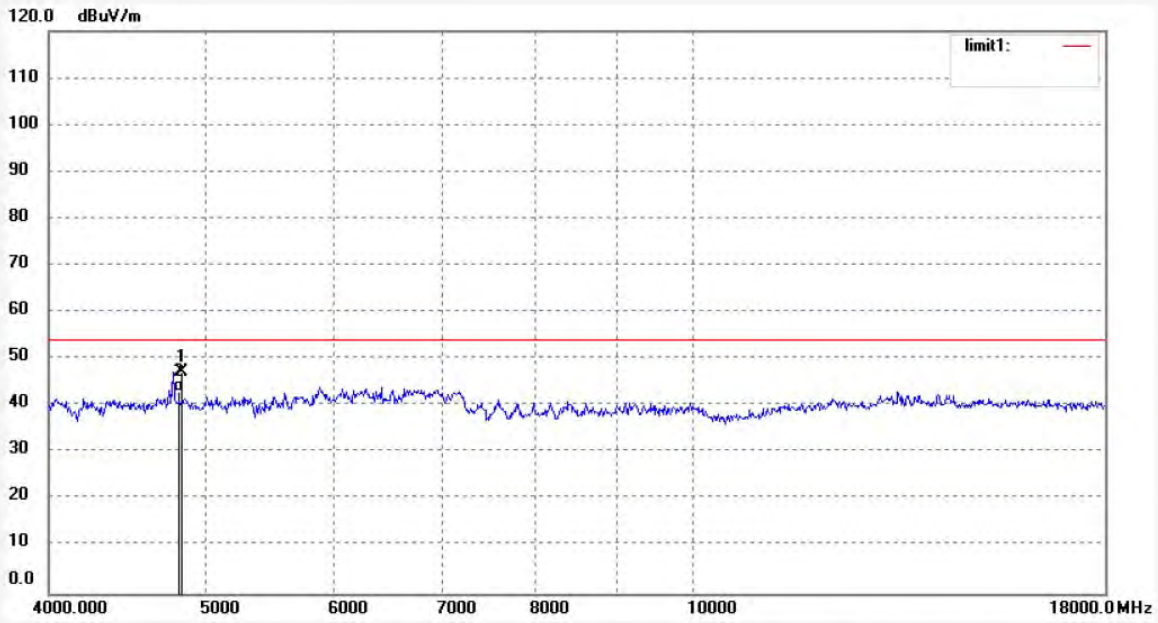
Job No.: Bob #5521
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 2.4G Flier
Mode: TX 2414MHz
Model: 22033RX
Manufacturer: Interactive Toy Concepts(HK)Ltd.

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/05/24/
Time: 9/12/41
Engineer Signature: Bob
Distance: 3m

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4828.000	47.43	-0.17	47.26	74.00	-26.74	peak			
2	4828.000	43.33	-0.17	43.16	54.00	-10.84	AVG			

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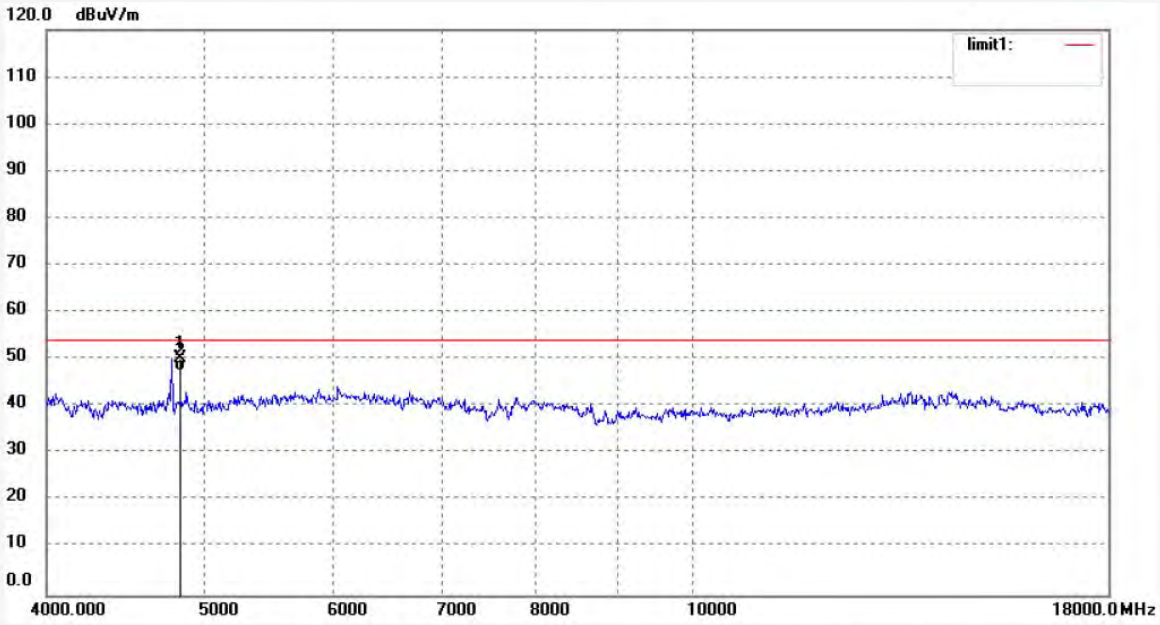
Job No.: Bob #5522	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/14/15
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2414MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4828.000	50.42	-0.17	50.25	74.00	-23.75	peak			
2	4828.000	47.69	-0.17	47.52	54.00	-6.48	AVG			

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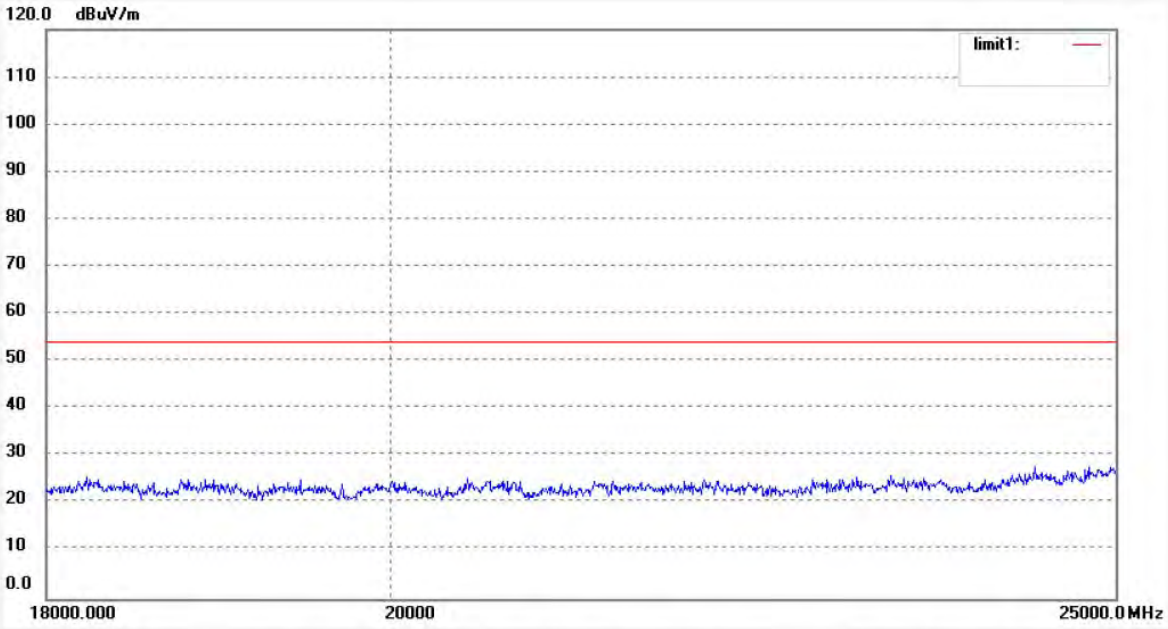
Job No.: Bob #5630	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2013/05/24
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13:19:34
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2414MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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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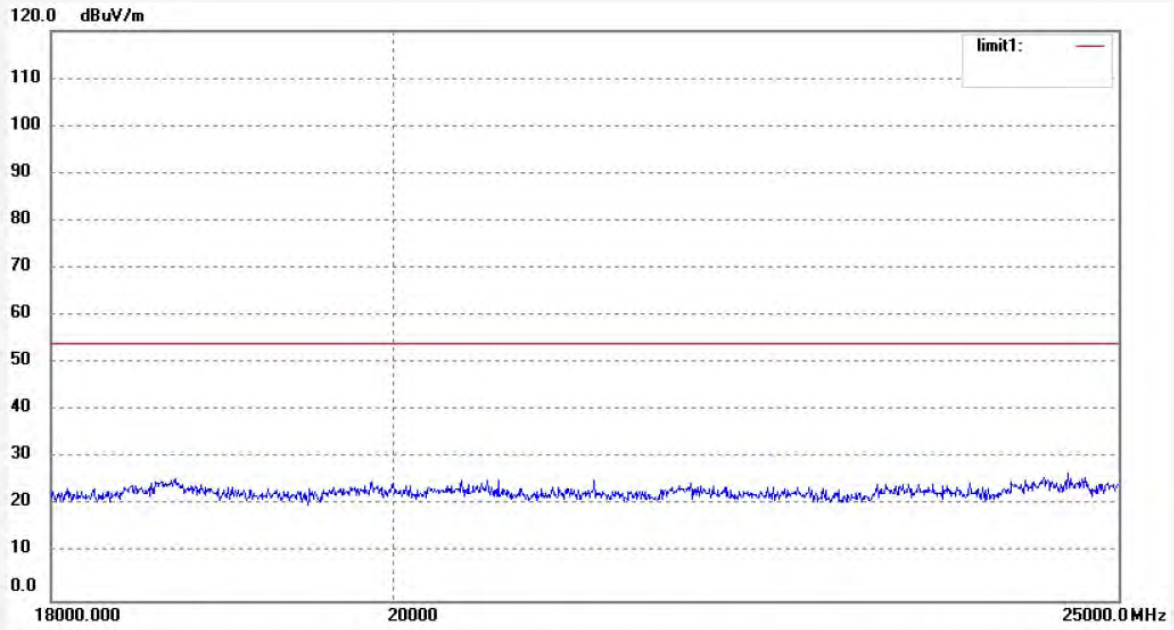
Job No.: Bob #5631	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2013/05/24
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13:22:41
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2414MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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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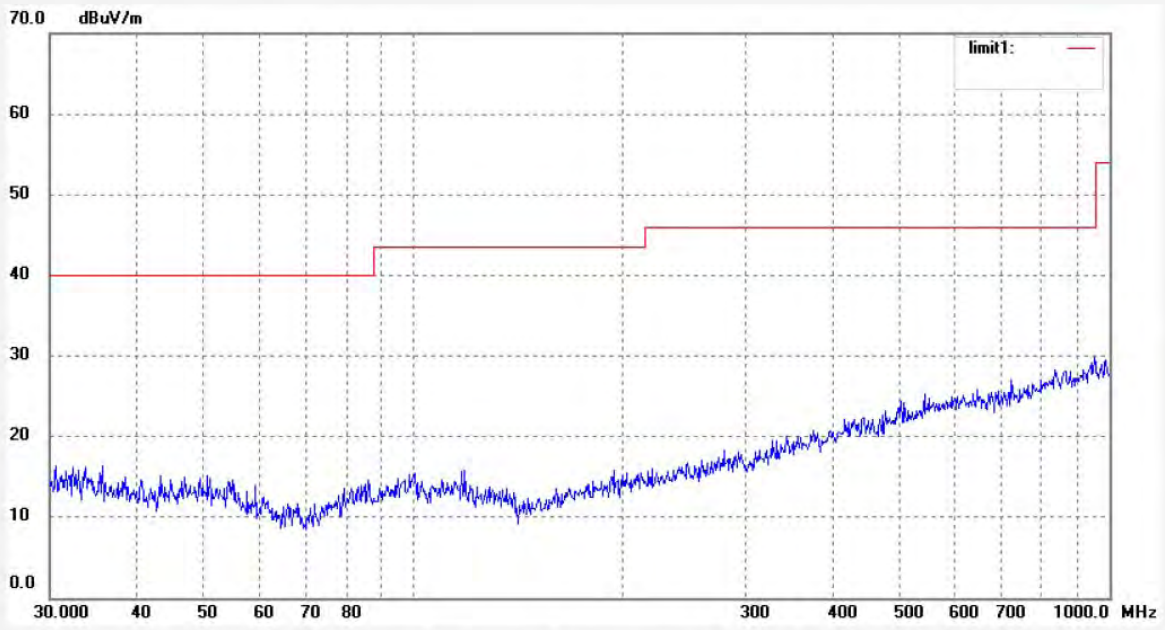
Job No.: Bob #5551	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/45/12
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2447MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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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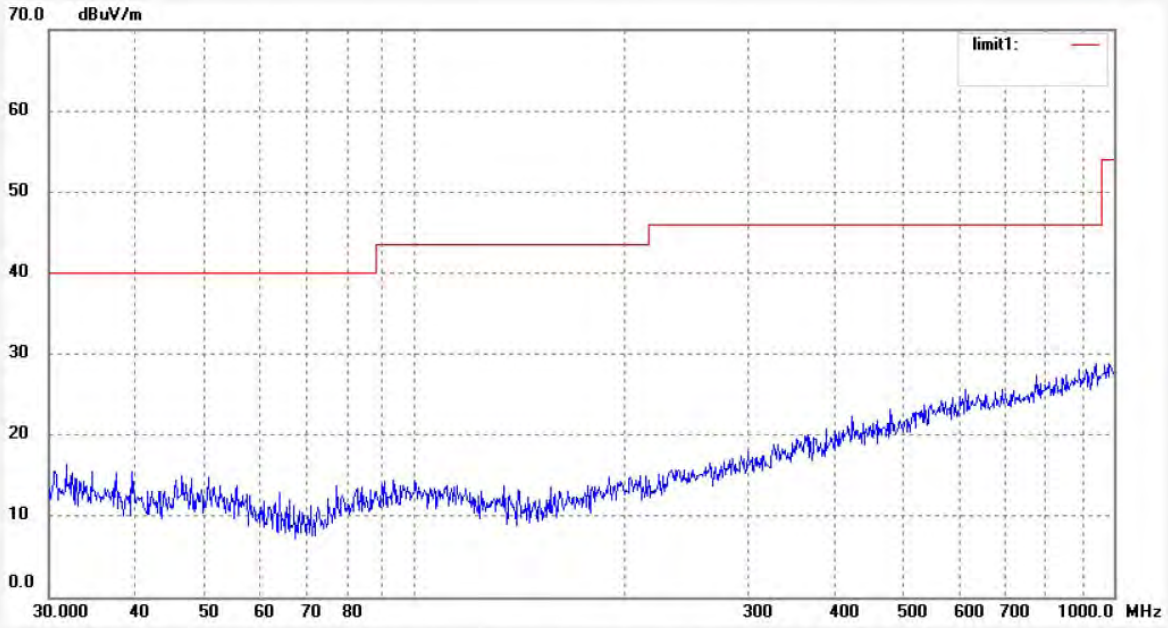
Job No.: Bob #5552	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/48/10
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2447MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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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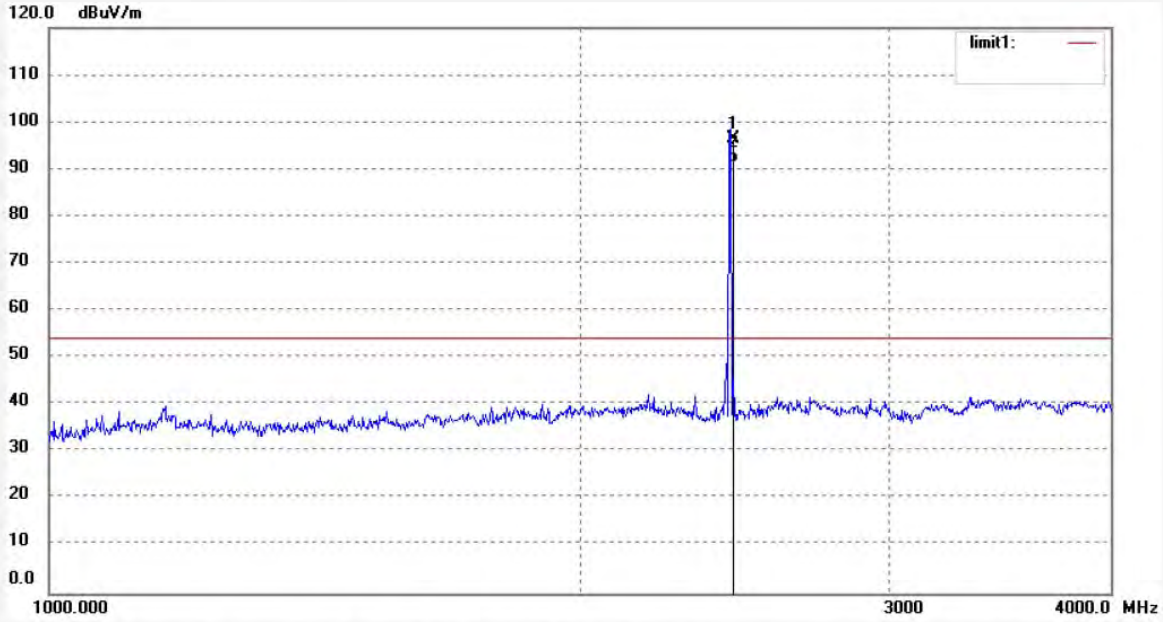
Job No.: Bob #5525	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/23/47
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2447MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2447.000	103.78	-7.34	96.44	114.00	-17.56	peak			
2	2447.000	98.62	-7.34	91.28	94.00	-2.72	AVG			

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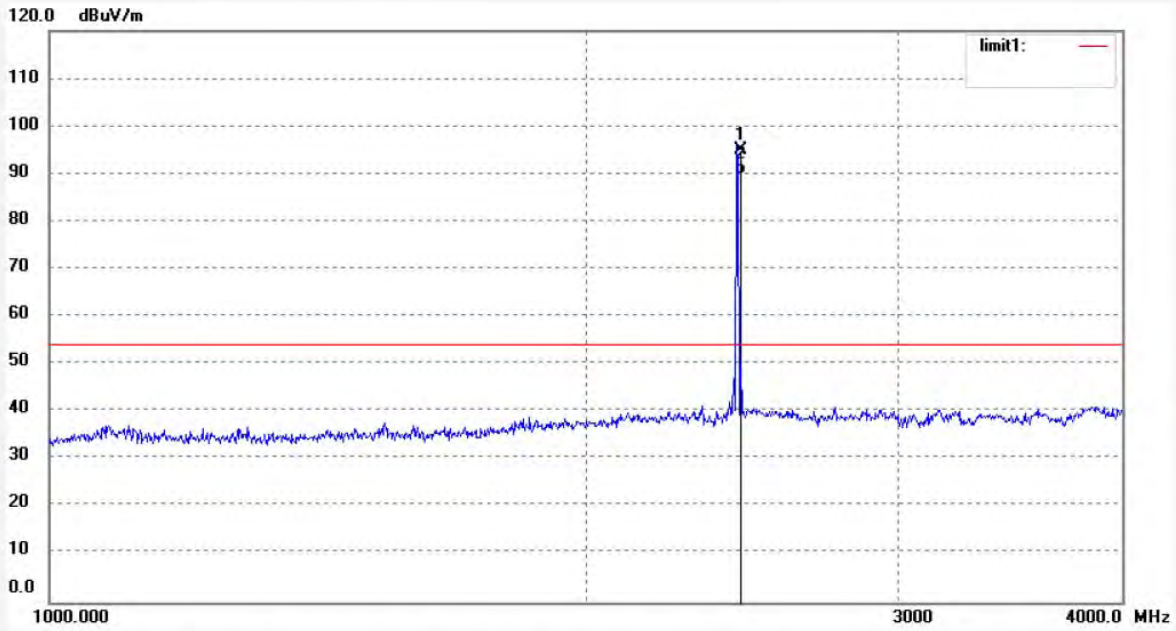
Job No.: Bob #5526
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 2.4G Flier
Mode: TX 2447MHz
Model: 22033RX
Manufacturer: Interactive Toy Concepts(HK)Ltd.

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/05/24/
Time: 9/26/37
Engineer Signature: Bob
Distance: 3m

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2447.000	102.42	-7.34	95.08	114.00	-18.92	peak			
2	2447.000	97.30	-7.34	89.96	94.00	-4.04	AVG			

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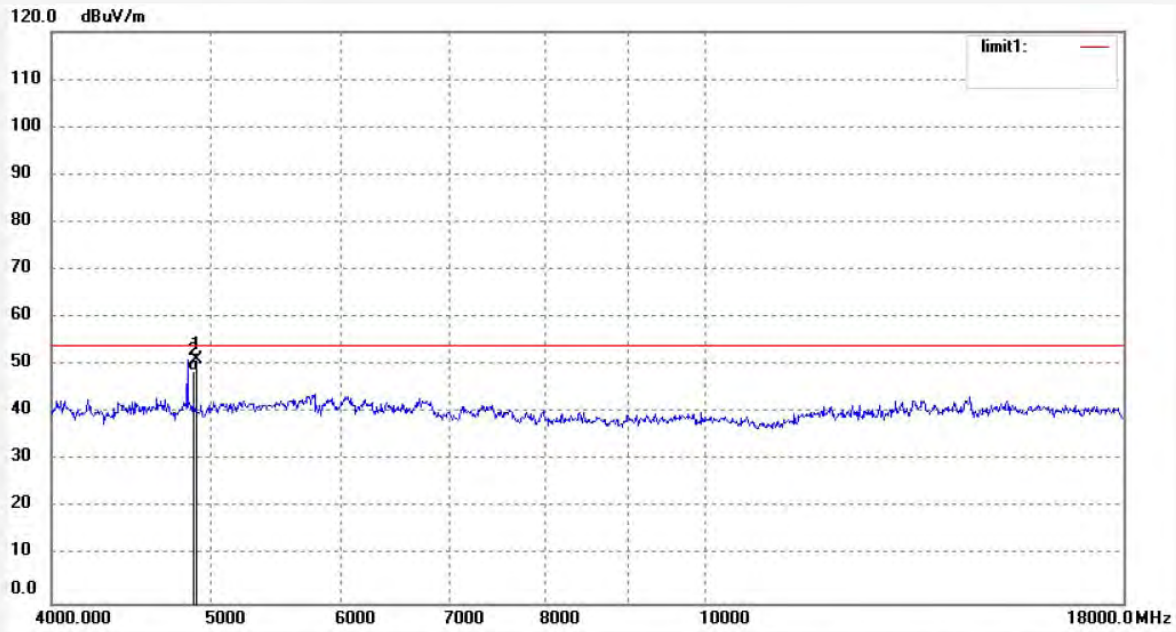
Job No.: Bob #5523	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/16/11
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2447MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4894.000	51.07	0.20	51.27	74.00	-22.73	peak			
2	4894.000	48.60	0.20	48.80	54.00	-5.20	AVG			

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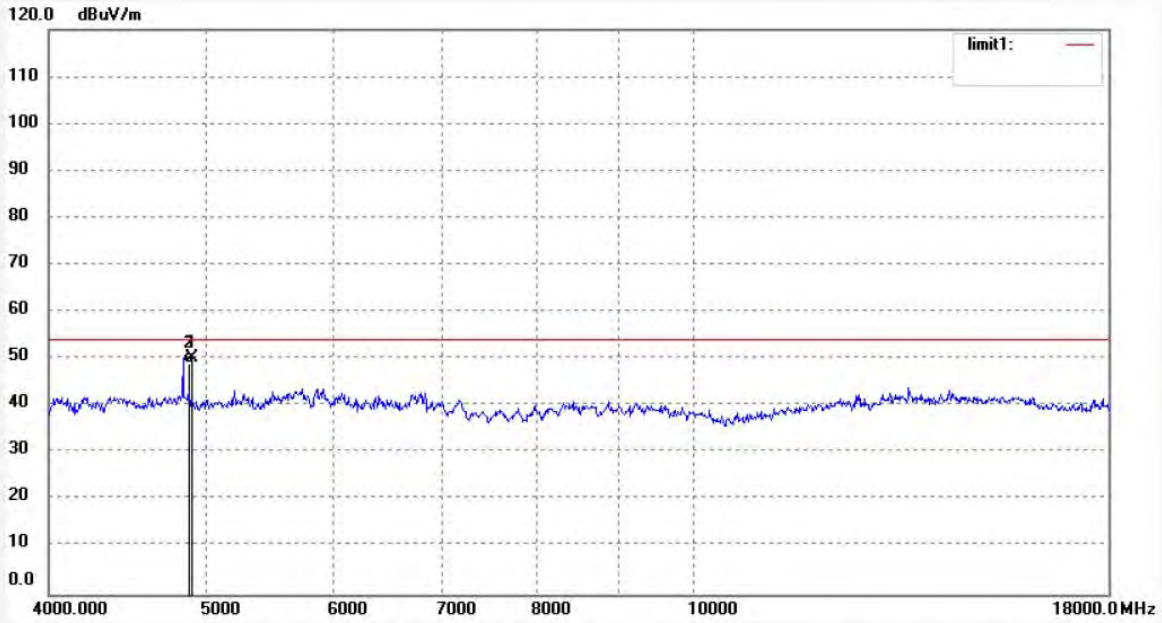
Job No.: Bob #5524	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/19/01
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2447MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4894.000	50.20	0.20	50.40	74.00	-23.60	peak			
2	4894.000	48.81	0.20	49.01	54.00	-4.99	AVG			

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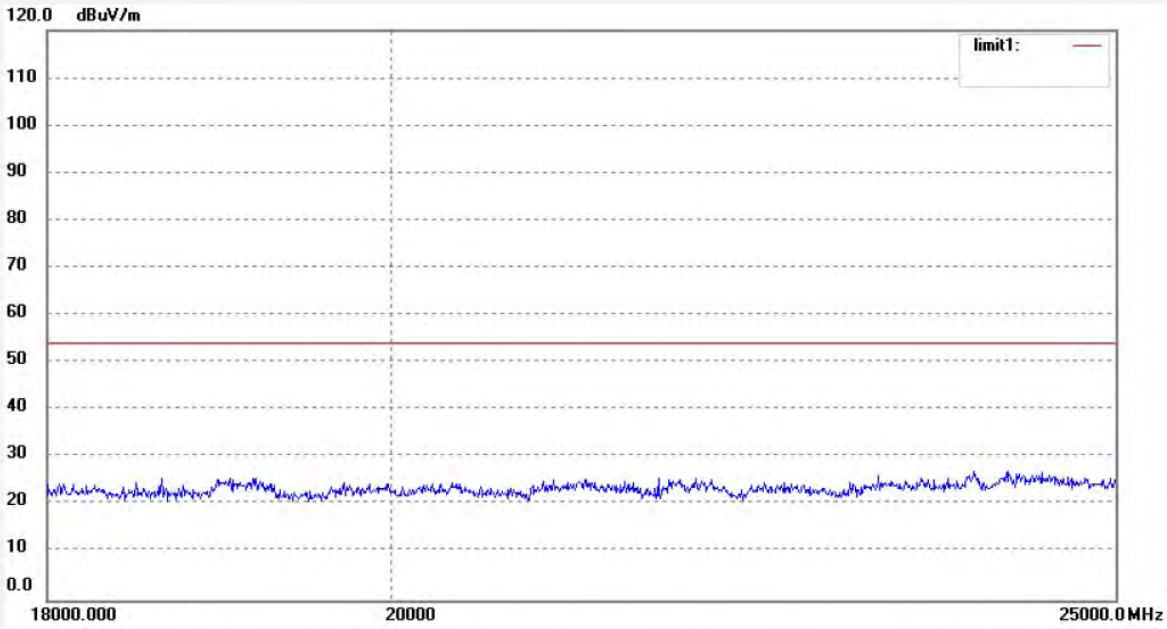
Fax:+86-0755-26503396

Job No.: Bob #5632	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2013/05/24
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13:25:44
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2447MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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

ACCURATE TECHNOLOGY CO., LTD.
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Site: 2# Chamber
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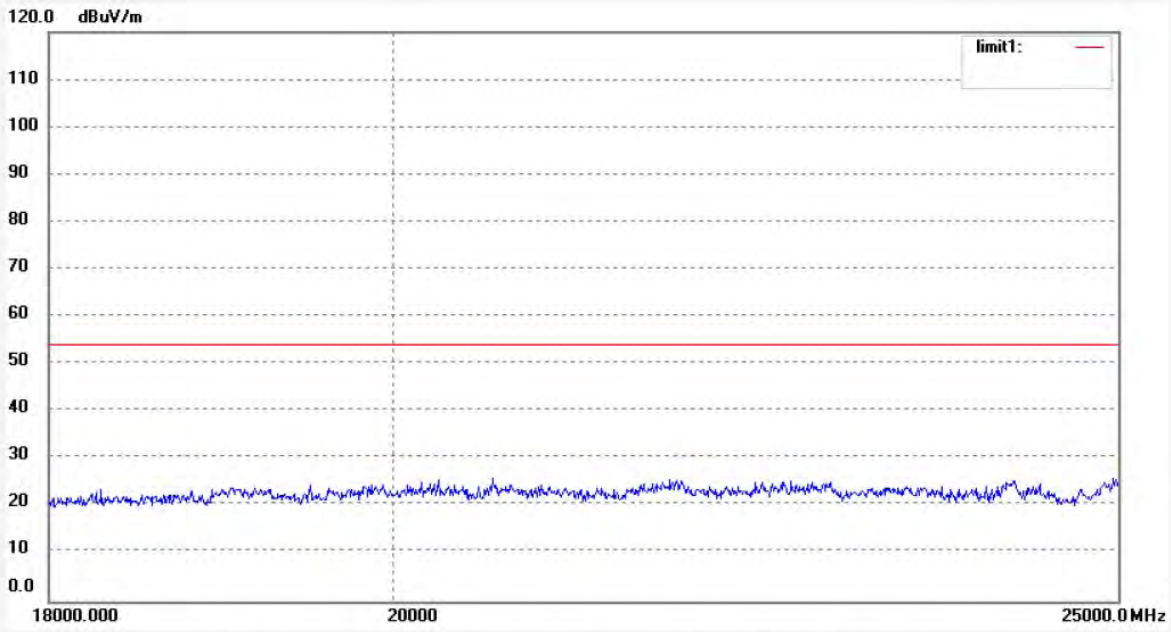
Fax:+86-0755-26503396

Job No.: Bob #5633	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2013/05/24
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13:28:42
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2447MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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: 2# Chamber
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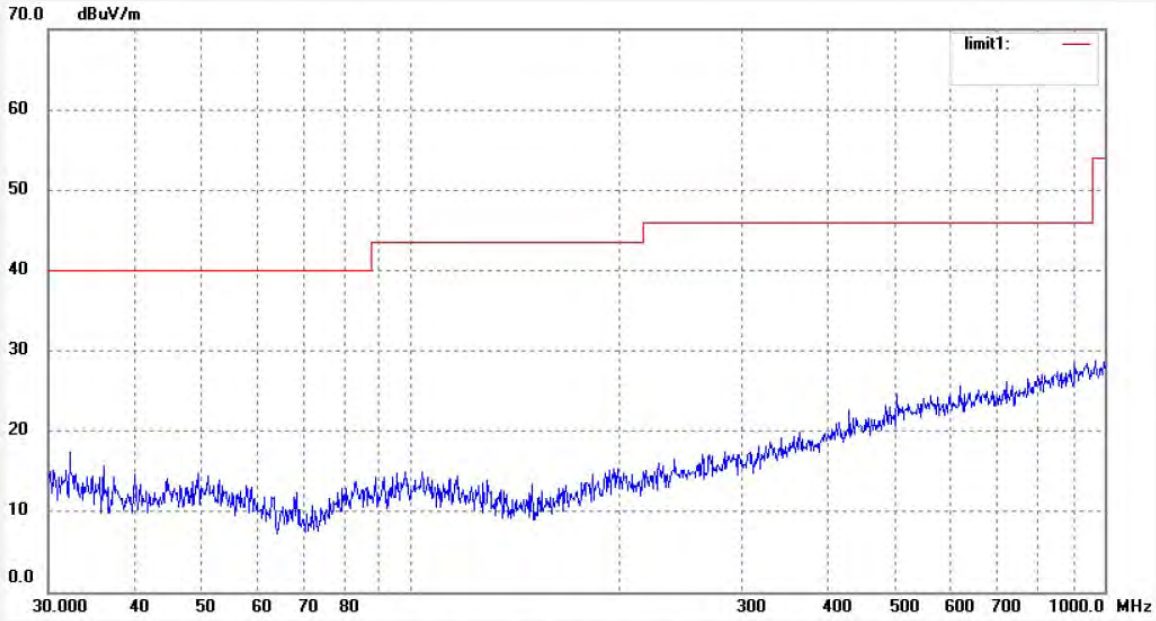
Fax:+86-0755-26503396

Job No.: Bob #5553	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/50/26
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2473MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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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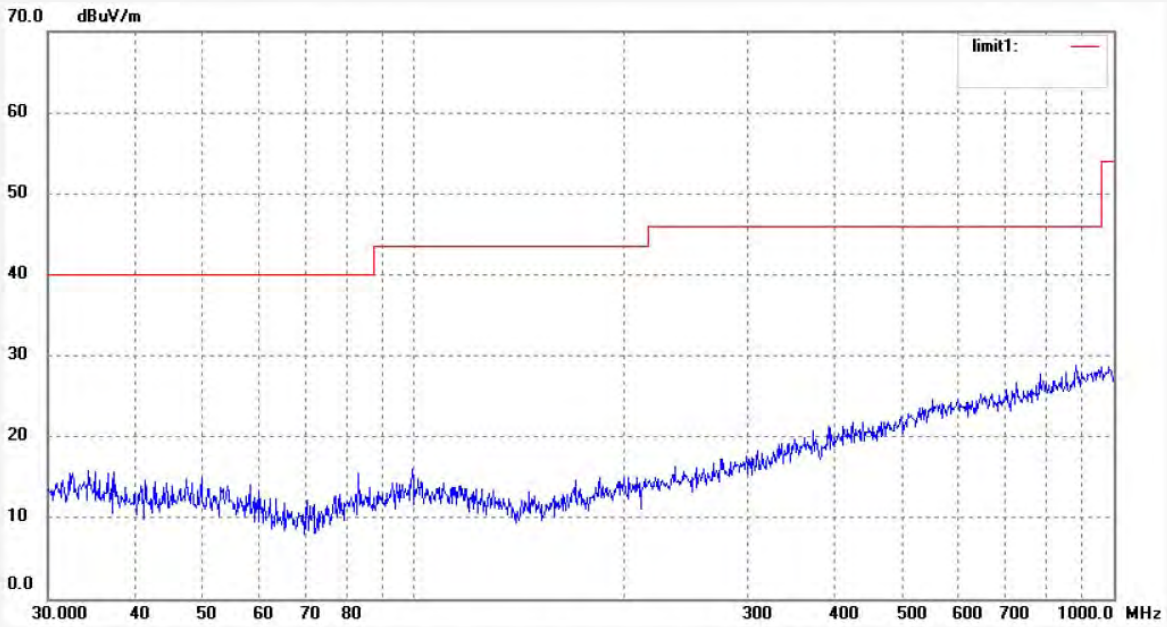
Job No.: Bob #5554	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/52/01
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2473MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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: 2# Chamber
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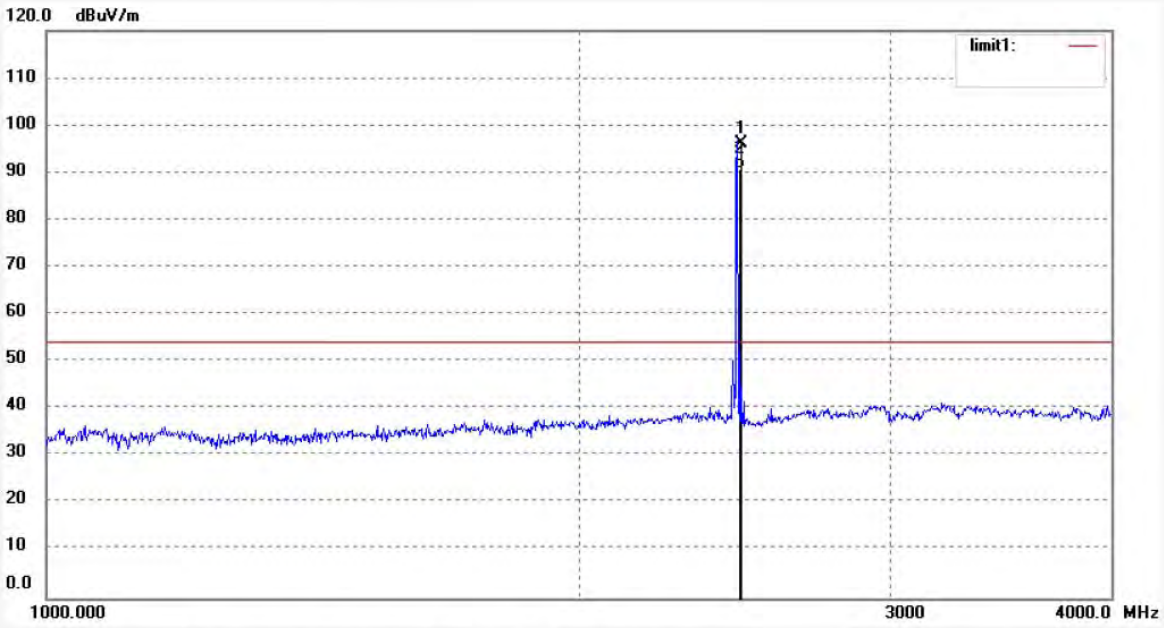
Job No.: Bob #5527	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/29/05
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2473MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2473.000	103.60	-7.36	96.24	114.00	-17.76	peak			
2	2473.000	98.01	-7.36	90.65	94.00	-3.35	AVG			

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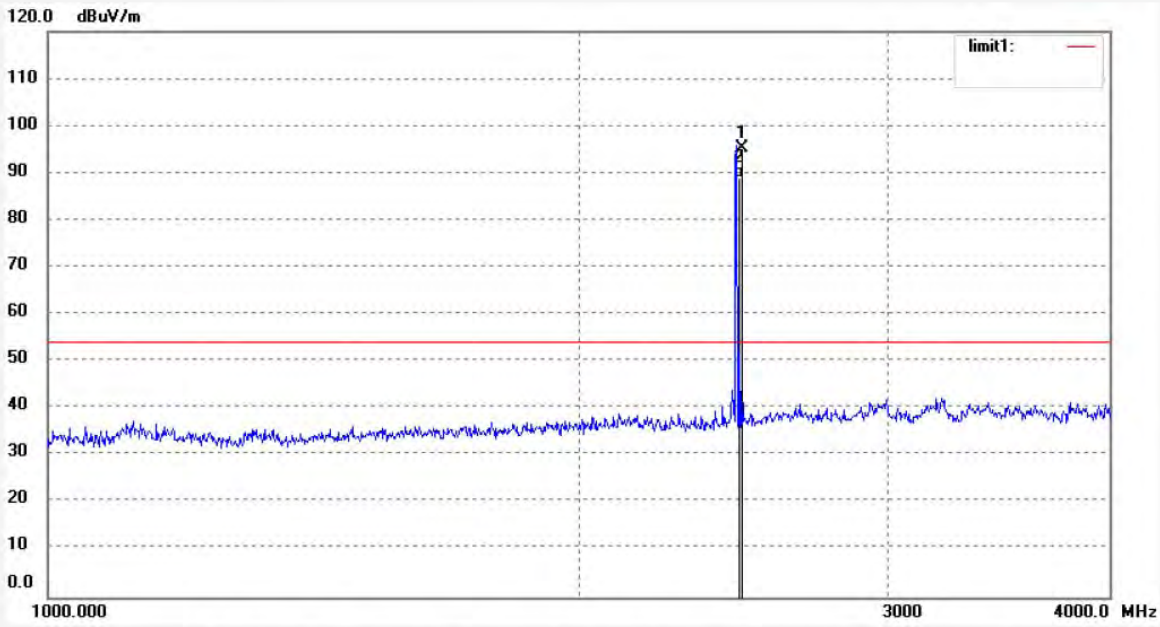
Fax:+86-0755-26503396

Job No.: Bob #5528
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 2.4G Flier
Mode: TX 2473MHz
Model: 22033RX
Manufacturer: Interactive Toy Concepts(HK)Ltd.

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/05/24/
Time: 9/32/11
Engineer Signature: Bob
Distance: 3m

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2473.000	102.64	-7.36	95.28	114.00	-18.72	peak			
2	2473.000	96.37	-7.36	89.01	94.00	-4.99	AVG			

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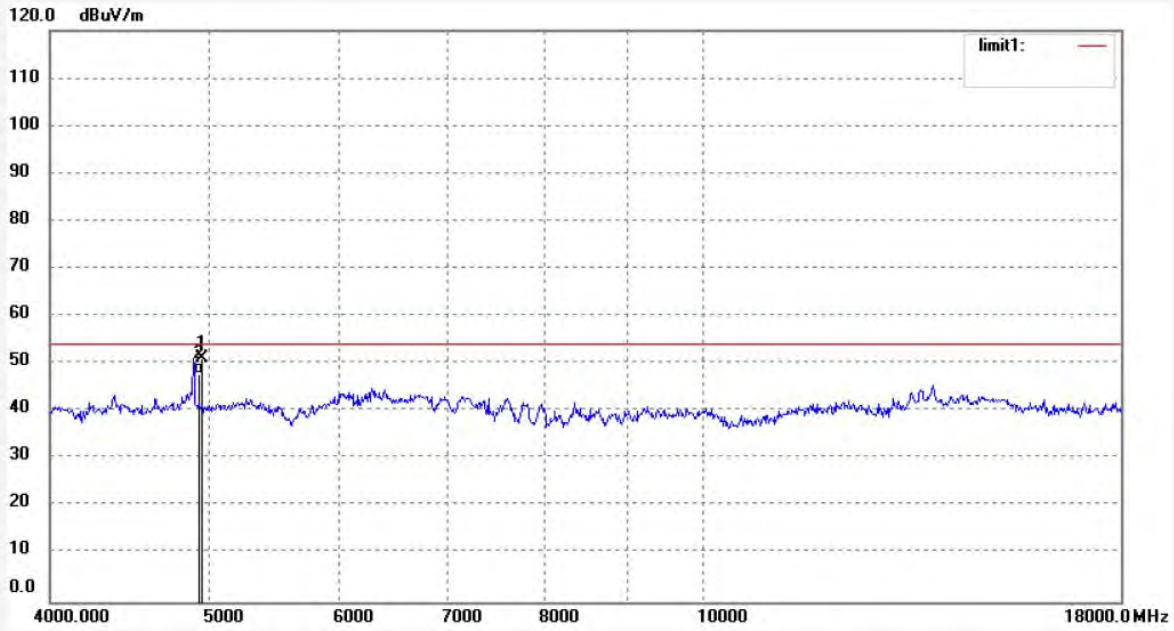
Job No.: Bob #5531	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/41/11
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2473MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4946.000	50.57	0.46	51.03	74.00	-22.97	peak			
2	4946.000	47.35	0.46	47.81	54.00	-6.19	AVG			

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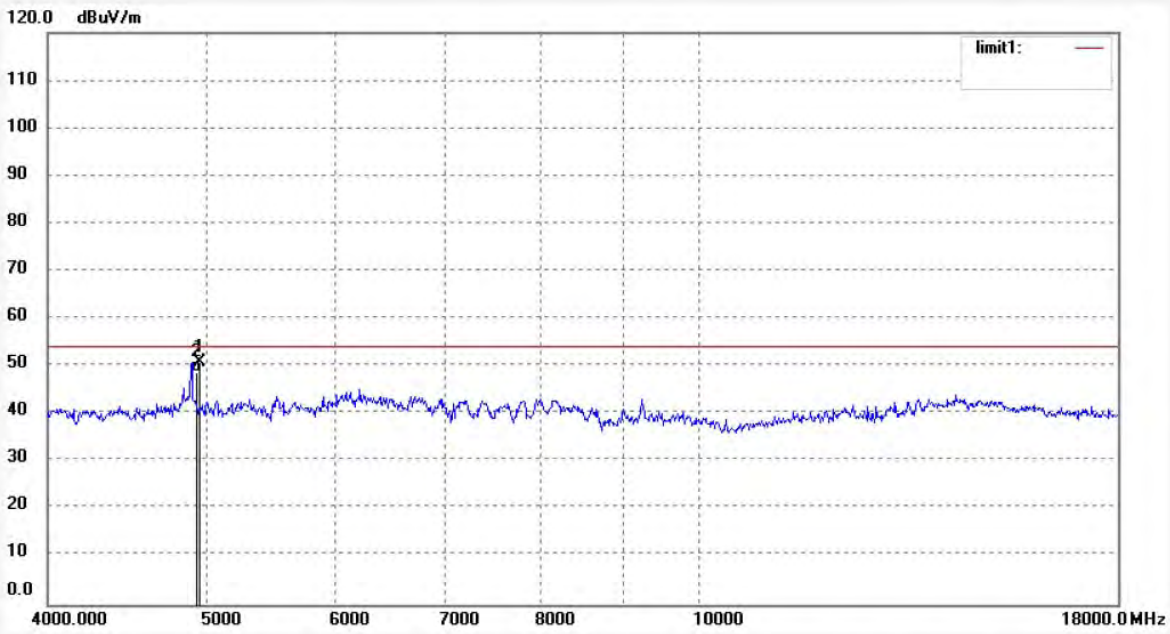
Fax:+86-0755-26503396

Job No.: Bob #5532	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/44/37
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2473MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4946.000	50.45	0.46	50.91	74.00	-23.09	peak			
2	4946.000	48.21	0.46	48.67	54.00	-5.33	AVG			

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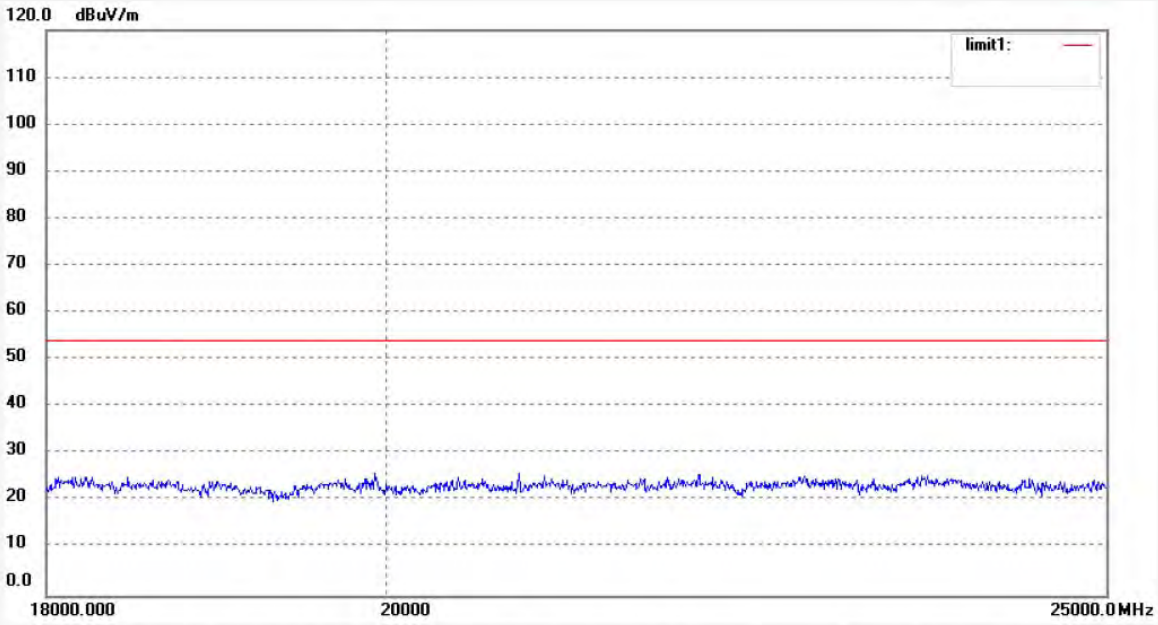
Job No.: Bob #5634	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2013/05/24
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13:32:17
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2473MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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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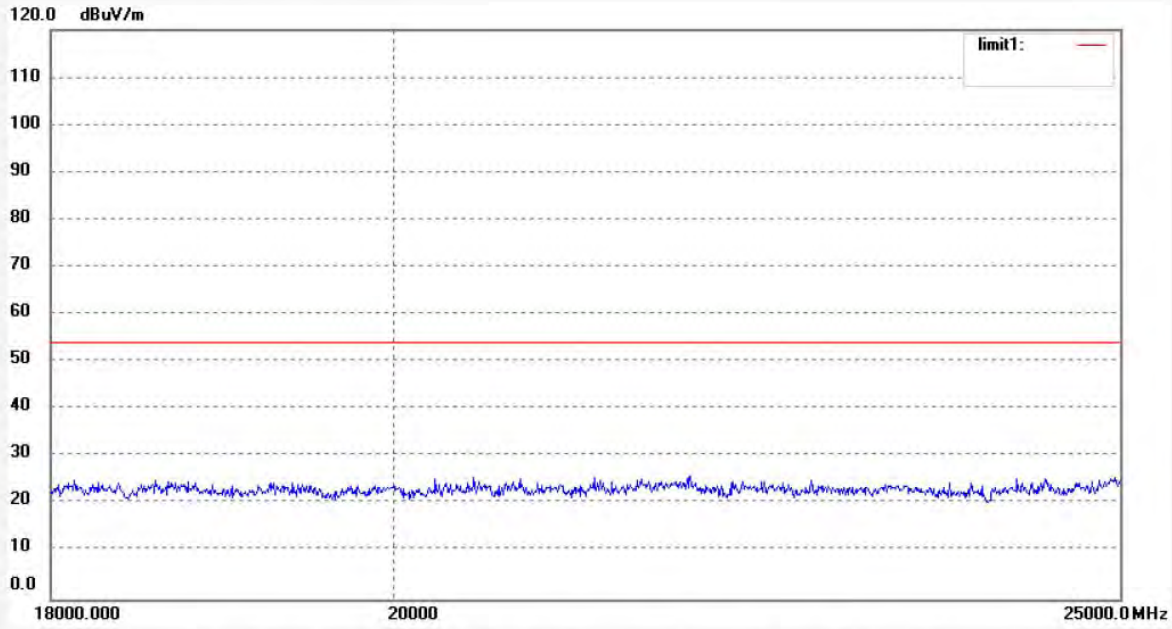
Job No.: Bob #5635	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2013/05/24
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13:35:21
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2473MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



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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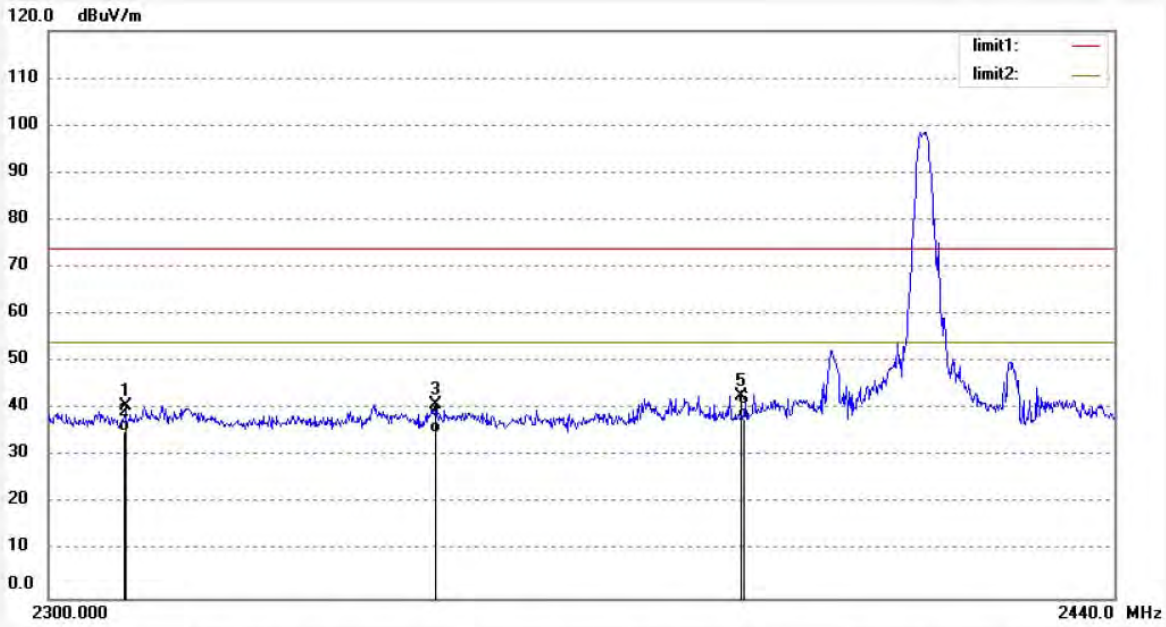
Fax:+86-0755-26503396

Job No.: Bob #5519
Standard: RSS-210 Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 2.4G Flier
Mode: TX 2414MHz
Model: 22033RX
Manufacturer: Interactive Toy Concepts(HK)Ltd.

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/05/24/
Time: 9/06/47
Engineer Signature: Bob
Distance: 3m

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	48.59	-7.81	40.78	74.00	-33.22	peak			
2	2310.000	43.21	-7.81	35.40	54.00	-18.60	AVG			
3	2350.000	48.86	-7.79	41.07	74.00	-32.93	peak			
4	2350.000	42.65	-7.79	34.86	54.00	-19.14	AVG			
5	2390.000	50.38	-7.53	42.85	74.00	-31.15	peak			
6	2390.000	45.58	-7.53	38.05	54.00	-15.95	AVG			

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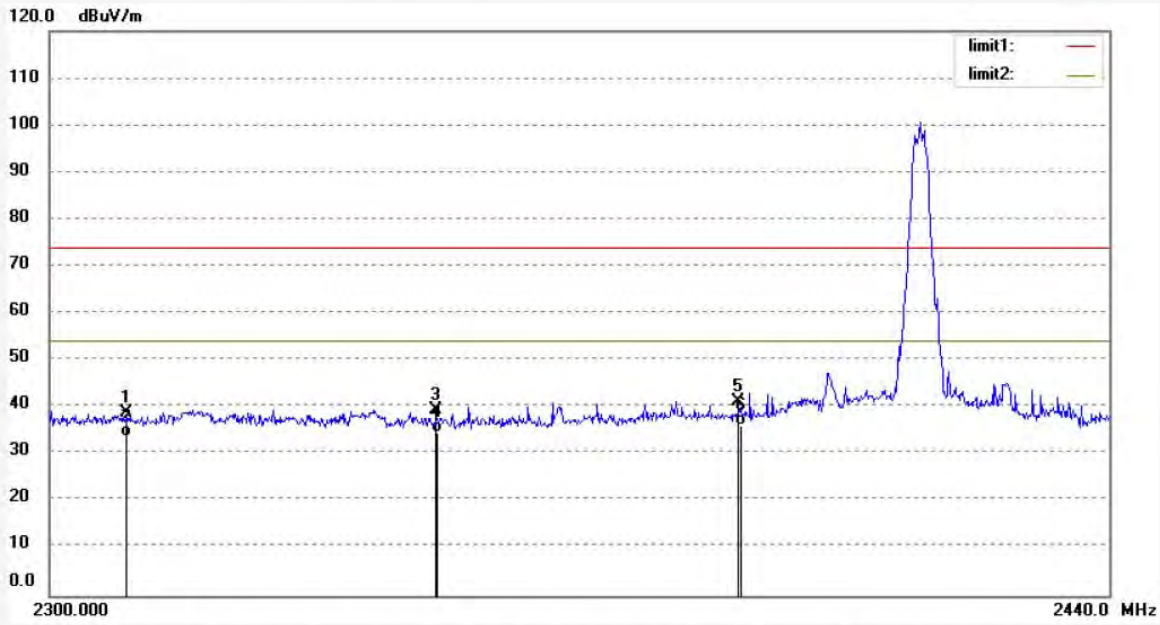
Fax:+86-0755-26503396

Job No.: Bob #5520
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 2.4G Flier
Mode: TX 2414MHz
Model: 22033RX
Manufacturer: Interactive Toy Concepts(HK)Ltd.

Polarization: Horizontal
Power Source: DC 3.7V
Date: 13/05/24/
Time: 9/09/24
Engineer Signature: Bob
Distance: 3m

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	46.78	-7.81	38.97	74.00	-35.03	peak			
2	2310.000	41.57	-7.81	33.76	54.00	-20.24	AVG			
3	2350.000	47.34	-7.79	39.55	74.00	-34.45	peak			
4	2350.000	42.36	-7.79	34.57	54.00	-19.43	AVG			
5	2390.000	48.64	-7.53	41.11	74.00	-32.89	peak			
6	2390.000	43.68	-7.53	36.15	54.00	-17.85	AVG			

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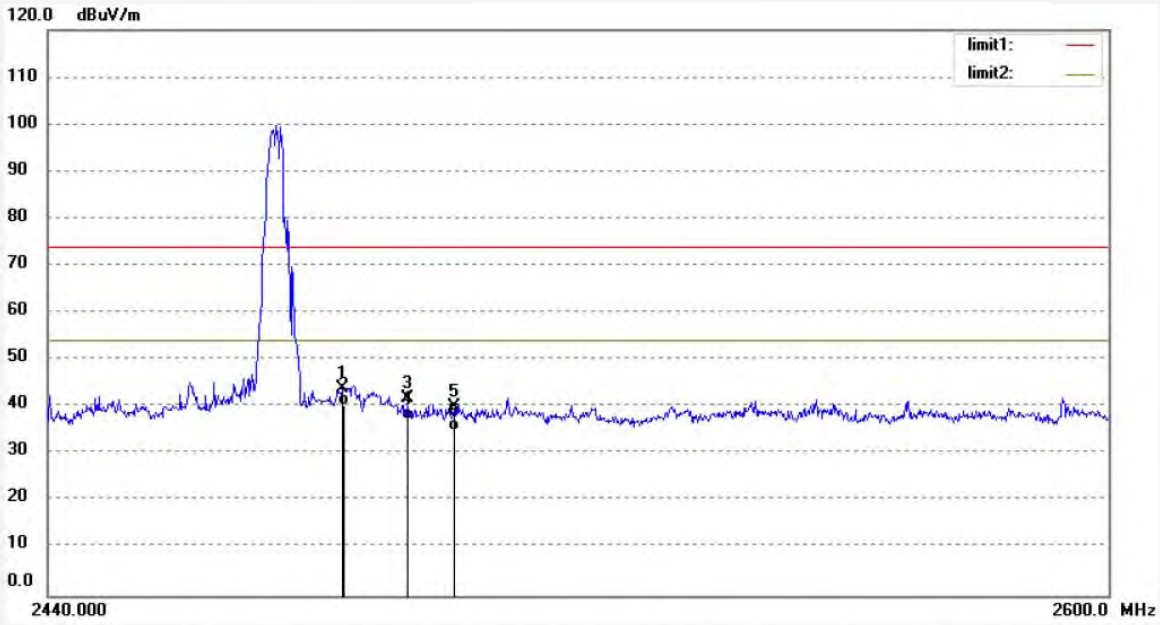
Job No.: Bob #5529	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/05/24/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/35/38
EUT: 2.4G Flier	Engineer Signature: Bob
Mode: TX 2473MHz	Distance: 3m
Model: 22033RX	
Manufacturer: Interactive Toy Concepts(HK)Ltd.	

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	51.38	-7.37	44.01	74.00	-29.99	peak			
2	2483.500	47.62	-7.37	40.25	54.00	-13.75	AVG			
3	2493.000	49.16	-7.39	41.77	74.00	-32.23	peak			
4	2493.000	44.69	-7.39	37.30	54.00	-16.70	AVG			
5	2500.000	47.35	-7.40	39.95	74.00	-34.05	peak			
6	2500.000	42.24	-7.40	34.84	54.00	-19.16	AVG			

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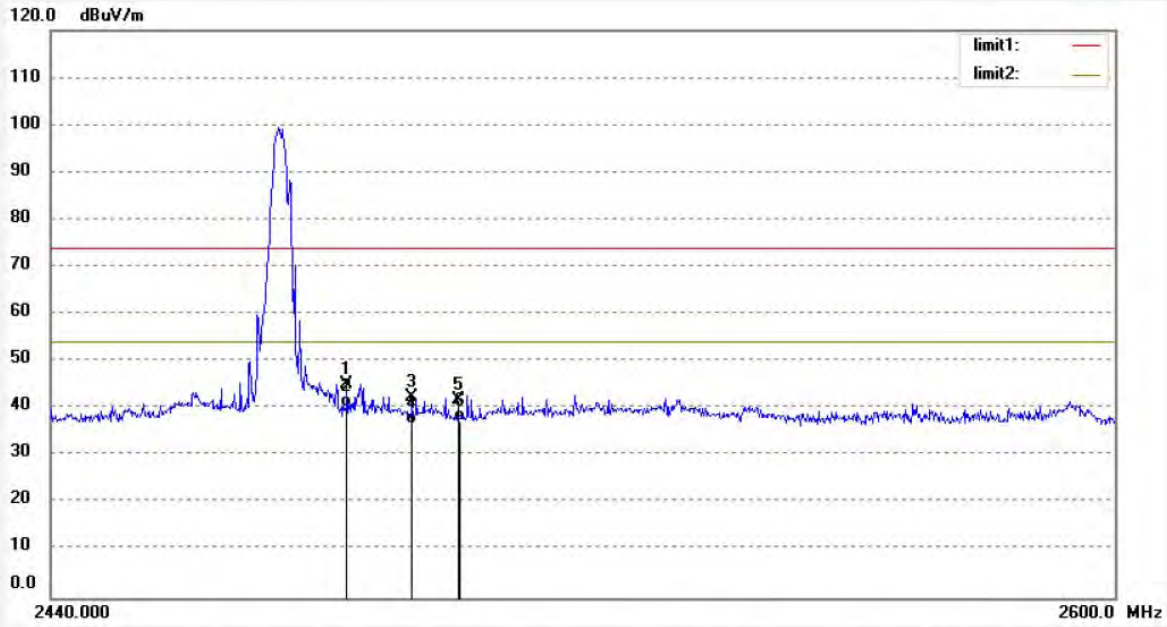
Job No.: Bob #5530
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 2.4G Flier
Mode: TX 2473MHz
Model: 22033RX
Manufacturer: Interactive Toy Concepts(HK)Ltd.

Polarization: Vertical
Power Source: DC 3.7V
Date: 13/05/24/
Time: 9/38/32
Engineer Signature: Bob
Distance: 3m

Note: Report NO.:ATE20130949



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	52.38	-7.37	45.01	74.00	-28.99	peak			
2	2483.500	47.65	-7.37	40.28	54.00	-13.72	AVG			
3	2493.000	49.77	-7.39	42.38	74.00	-31.62	peak			
4	2493.000	44.16	-7.39	36.77	54.00	-17.23	AVG			
5	2500.000	49.24	-7.40	41.84	74.00	-32.16	peak			
6	2500.000	44.79	-7.40	37.39	54.00	-16.61	AVG			

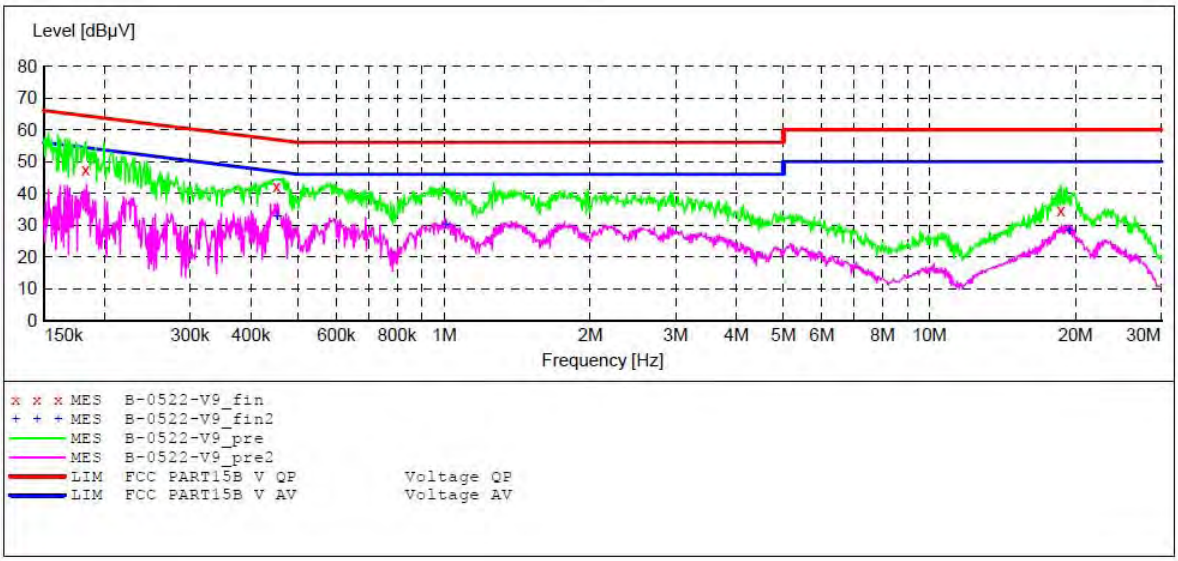
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART15B

```
EUT:                  2.4G Flier  M/N:22033RX
Manufacturer:         Interactive Toy Concepts(HK)Ltd.
Operating Condition:  Charging
Test Site:            1#Shielding Room
Operator:             Bob
Test Specification:   N   120V/60Hz
Comment:              Mains port
Start of Test:        5/24/2013 / 4:15:46PM
```

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   4.5 kHz   QuasiPeak 1.0 s    9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "B-0522-V9_fin"

5/24/2013 4:17PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.182408	47.40	11.7	64	17.0	QP	N	GND
0.451436	42.10	12.5	57	14.7	QP	N	GND
18.638731	34.80	12.1	60	25.2	QP	N	GND

MEASUREMENT RESULT: "B-0522-V9_fin2"

5/24/2013 4:17PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.453242	32.80	12.5	47	14.0	AV	N	GND
1.007099	30.00	12.5	46	16.0	AV	N	GND
19.397844	28.40	12.1	50	21.6	AV	N	GND

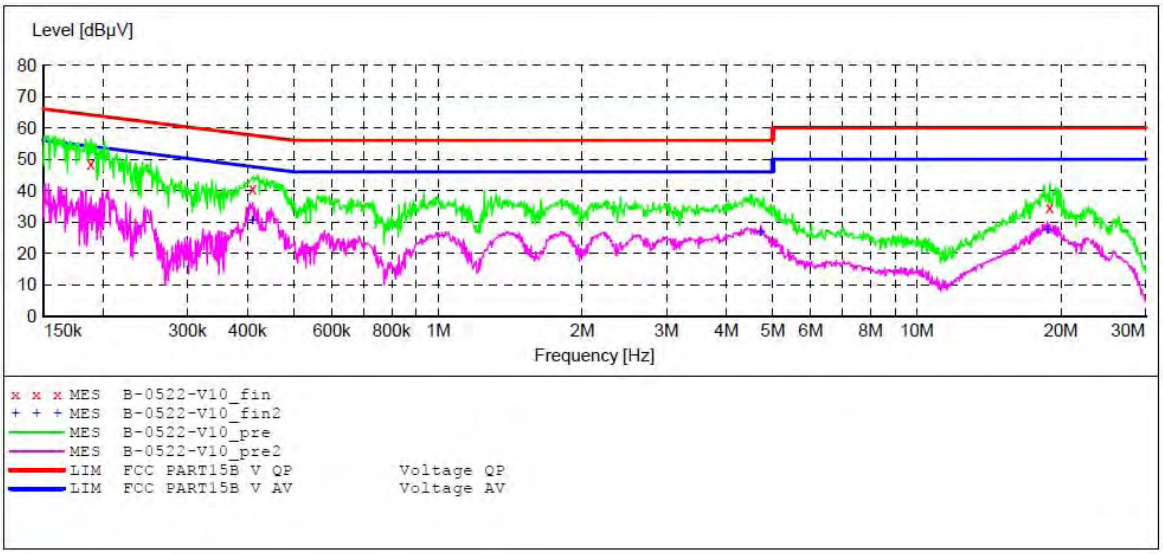
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART15B

```
EUT:                  2.4G Flier  M/N:22033RX
Manufacturer:         Interactive Toy Concepts(HK)Ltd.
Operating Condition:  Charging
Test Site:            1#Shielding Room
Operator:             Bob
Test Specification:   L   120V/60Hz
Comment:              Mains port
Start of Test:        5/24/2013 / 4:18:41PM
```

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   4.5 kHz   QuasiPeak 1.0 s    9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "B-0522-V10_fin"

5/24/2013 4:20PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.188327	48.40	11.7	64	15.7	QP	L1	GND
0.410192	40.80	12.4	58	16.8	QP	L1	GND
18.938744	34.80	12.1	60	25.2	QP	L1	GND

MEASUREMENT RESULT: "B-0522-V10_fin2"

5/24/2013 4:20PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.410192	30.50	12.4	48	17.1	AV	L1	GND
4.720838	26.50	12.3	46	19.5	AV	L1	GND
18.713286	27.60	12.1	50	22.4	AV	L1	GND