

FCC CERTIFICATION
On Behalf of
Interactive Toy Concepts Limited

2.4G VEHICLE
Model No.: 425XXTX

FCC ID: RSD-425XXTX

Prepared for : Interactive Toy Concepts Limited
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Cheung Sha Wan Rd., Kowloon, Hong Kong

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Date of Test : May 8, 2014
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APPENDIX I (TEST CURVES) (24pages)

Test Report Certification

Applicant : Interactive Toy Concepts Limited
Manufacturer : Interactive Toy Concepts Limited
EUT Description : 2.4G VEHICLE
(A) MODEL NO.: 425XXTX
(B) POWER SUPPLY: DC 9V

Measurement Procedure Used:

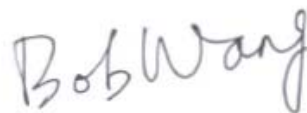
FCC Rules and Regulations Part 15 Subpart C Section 15.249
ANSI C63.4: 2009

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 Section 15.249 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 : May 8, 2014

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	2.4G VEHICLE
Model Number	:	425XXTX
Power Supply	:	DC 9V
Operate Frequency	:	2405-2468MHz
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 4, 2014
Date of Test	:	May 8, 2014

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. 11, 2014	Jan. 10, 2015
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 11, 2014	Jan. 10, 2015
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 11, 2014	Jan. 10, 2015
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 11, 2014	Jan. 10, 2015
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 15, 2014	Jan. 14, 2015
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 15, 2014	Jan. 14, 2015
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 15, 2014	Jan. 14, 2015
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 15, 2014	Jan. 14, 2015
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 11, 2014	Jan. 10, 2015
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 11, 2014	Jan. 10, 2015

3. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission	N/A
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	N/A

Remark: “N/A” means “Not applicable”.

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

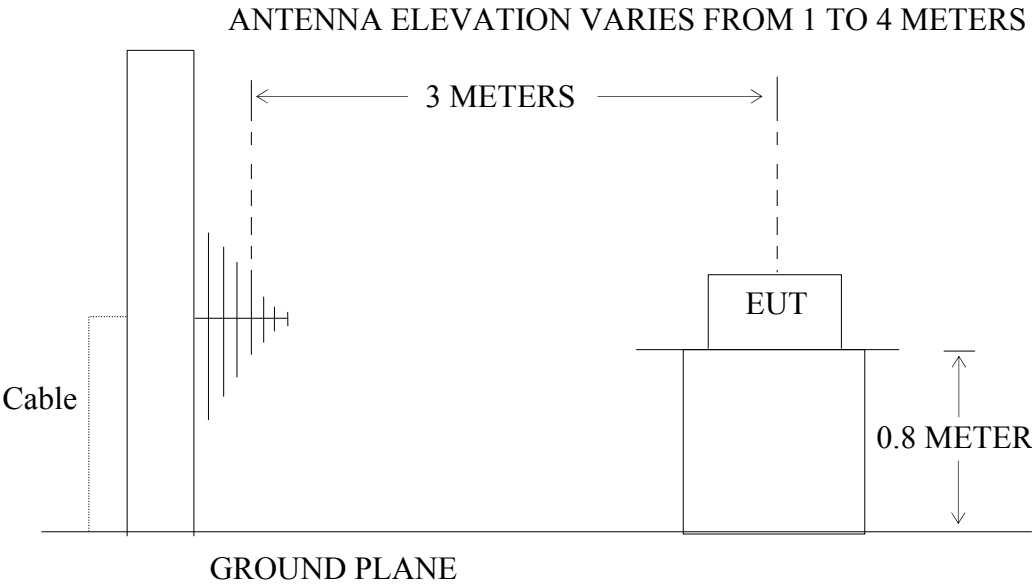
4.1. Block Diagram of Test Setup

4.1.1. Block diagram of connection between the EUT and simulators



(EUT: 2.4G VECHICLE)

4.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: 2.4G VECHICLE)

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 dB μ V/m and the harmonics shall not exceed 54 dB μ V/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 VEHICLE (EUT)

Model Number : 425XXTX
 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 2405.000MHz-2468.000MHz. We are select 2405.000MHz, 2442.000MHz, 2468.000MHz 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 8, 2014	Temperature:	25°C
EUT:	2.4G VEHICLE	Humidity:	50%
Model No.:	425XXTX	Power Supply:	DC 9V
Test Mode:	TX 2405.000MHz	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	
2405	88.14	94.70	-6.76	81.39	87.95	94	114	-12.61	-26.05	Vertical
2405	86.47	93.35	-6.75	79.72	86.60	94	114	-14.28	-27.40	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	
4810.000	51.40	57.61	-1.59	49.81	56.02	54	74	-4.19	-17.98	Vertical
7215.000	46.20	51.74	1.30	47.50	53.04	54	74	-6.50	-20.96	Vertical
4810.000	52.20	58.91	-1.59	50.61	57.32	54	74	-3.39	-16.68	Horizontal
7215.000	47.10	53.90	1.30	48.40	55.20	54	74	-5.60	-18.80	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

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 8, 2014	Temperature:	25°C
EUT:	2.4G VEHICLE	Humidity:	50%
Model No.:	425XXTX	Power Supply:	DC 9V
Test Mode:	TX 2442.000MHz	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	
2442	90.40	96.23	-6.64	83.76	89.59	94	114	-10.24	-24.41	Vertical
2442	87.00	94.29	-6.64	80.36	87.65	94	114	-13.64	-26.35	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	
4884.000	50.60	57.64	-1.37	49.23	56.27	54	74	-4.77	-17.73	Vertical
7326.000	45.96	51.48	1.40	47.36	52.88	54	74	-6.64	-21.12	Vertical
4884.000	51.70	57.17	-1.37	50.33	55.80	54	74	-3.67	-18.20	Horizontal
7326.000	47.20	53.05	1.40	48.60	54.45	54	74	-5.40	-19.55	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	May 8, 2014	Temperature:	25°C
EUT:	2.4G VEHICLE	Humidity:	50%
Model No.:	425XXTX	Power Supply:	DC 9V
Test Mode:	TX 2468.000MHz	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	
2468	89.38	96.75	-6.57	82.81	90.18	94	114	-11.19	-23.82	Vertical
2468	87.14	95.80	-6.57	80.57	89.23	94	114	-13.43	-24.77	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	
4936.000	52.22	57.67	-1.21	51.01	56.46	54	74	-2.99	-17.54	Vertical
7404.000	47.69	52.75	1.47	49.16	54.22	54	74	-4.89	-19.78	Vertical
4936.000	52.00	57.63	-1.18	50.82	56.45	54	74	-3.18	-17.55	Horizontal
7404.000	47.00	51.12	1.47	48.47	52.59	54	74	-5.53	-21.41	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

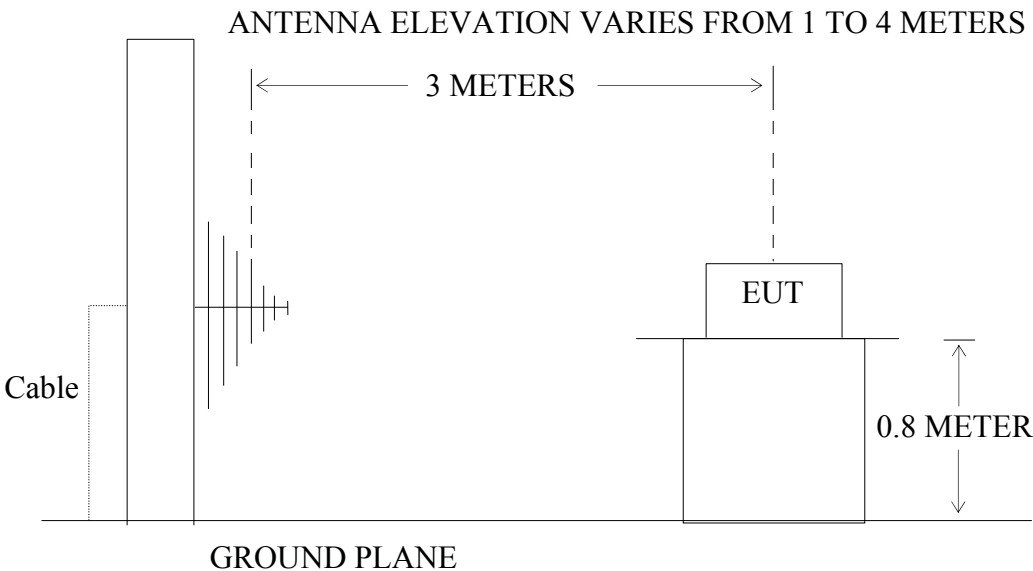
5. SPURIOUS RADIATED EMISSION FOR SECTION 15.249(D)

5.1. Block Diagram of Test Setup

5.1.1. Block diagram of connection between the EUT and simulators



5.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: 2.4G VEHICLE)

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		The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector.
	Field Strength (microvolts/meter)	Measurement Distance (meters)	
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 VEHICLE (EUT)

Model Number : 425XXTX
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 2405.000MHz-2468.000MHz. We are select 2405.000MHz, 2442.000MHz, 2468.000MHz 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 8, 2014	Temperature:	25°C
EUT:	2.4G VEHICLE	Humidity:	50%
Model No.:	425XXTX	Power Supply:	DC 9V
Test Mode:	TX 2405.000MHz	Test Engineer:	Pei

30MHz-25GHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
372.0045	36.87	-15.84	21.03	46.00	-24.97	Vertical
366.8231	49.75	-15.87	33.88	46.00	-12.12	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 8, 2014	Temperature:	25°C
EUT:	2.4G VEHICLE	Humidity:	50%
Model No.:	425XXTX	Power Supply:	DC 9V
Test Mode:	TX 2442.000MHz	Test Engineer:	Pei

30MHz-25GH

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
372.0045	36.29	-15.84	20.45	46.00	-25.55	Vertical
366.8231	49.75	-15.87	33.88	46.00	-12.12	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	May 8, 2014	Temperature:	25°C
EUT:	2.4G VEHICLE	Humidity:	50%
Model No.:	425XXTX	Power Supply:	DC 9V
Test Mode:	TX 2468.000MHz	Test Engineer:	Pei

30MHz-25GH

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
372.0045	36.09	-15.84	20.25	46.00	-25.75	Vertical
366.8231	49.64	-15.87	33.77	46.00	-12.23	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

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 VEHICLE (EUT)

Model Number : 425XXTX
 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 2405-2468MHz MHz. We are select 2405.000MHz, 2468.000MHz 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 8, 2014	Temperature:	25°C
EUT:	2.4G VEHICLE	Humidity:	50%
Model No.:	425XXTX	Power Supply:	DC 9V
Test Mode:	TX 2405.000MHz	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	33.47	42.67	-6.99	26.48	35.69	54.00	74.00	-27.52	-38.31	Vertical
2390.000	32.56	41.82	-6.78	25.78	35.04	54.00	74.00	-28.22	-38.96	Vertical
2310.000	33.90	42.65	-6.99	26.91	35.66	54.00	74.00	-27.09	-38.34	Horizontal
2390.000	34.14	42.20	-6.78	27.36	35.42	54.00	74.00	-26.64	-38.58	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	May 8, 2014	Temperature:	25°C
EUT:	2.4G VEHICLE	Humidity:	50%
Model No.:	425XXTX	Power Supply:	DC 9V
Test Mode:	TX 2468.000MHz	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	34.58	43.56	-6.54	28.04	37.02	54.00	74.00	-25.96	-36.98	Vertical
2500.000	35.00	43.16	-6.50	28.50	36.66	54.00	74.00	-25.50	-37.34	Vertical
2483.500	34.81	43.03	-6.54	28.27	36.49	54.00	74.00	-25.73	-37.51	Horizontal
2500.000	33.58	42.12	-6.50	27.08	35.62	54.00	74.00	-26.92	-38.38	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

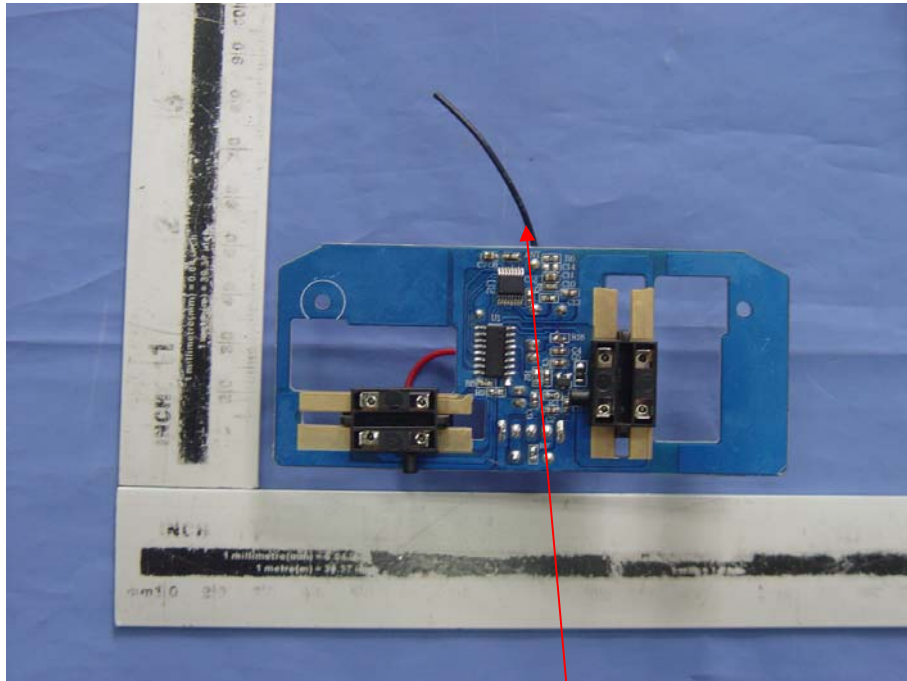
7. ANTENNA REQUIREMENT

7.1.The Requirement

7.1.1.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.

7.2.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.



Antenna

APPENDIX I (Test Curves)



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #233

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2405MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Vertical

Power Source: DC 9V

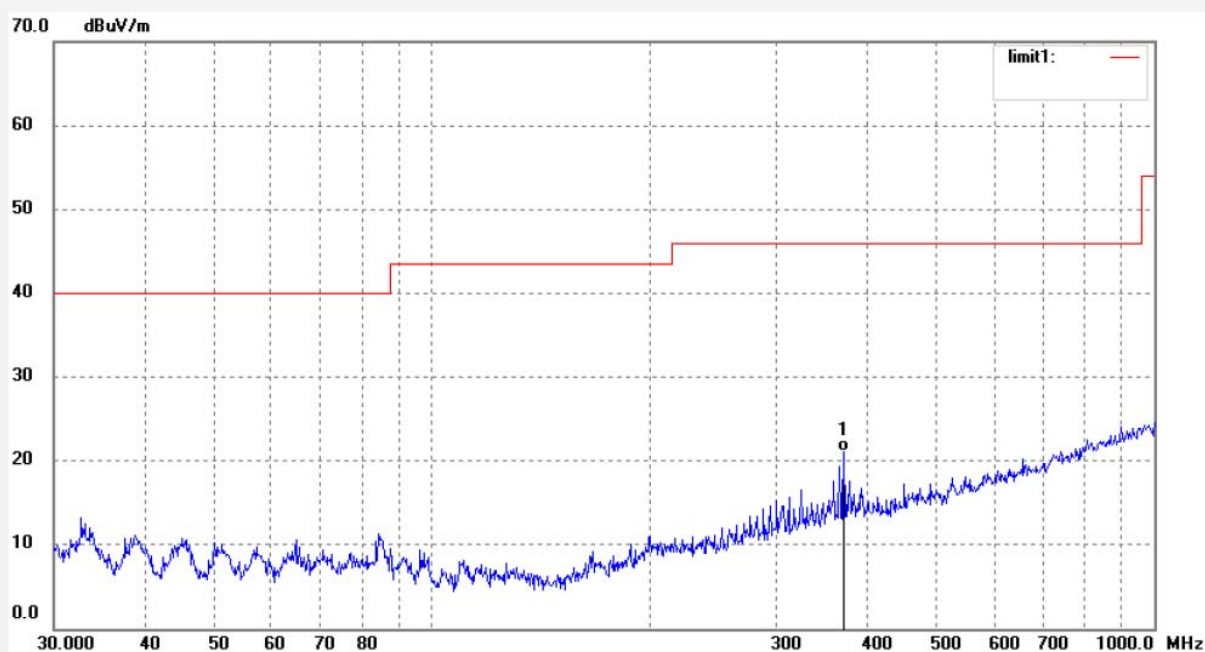
Date: 14/05/08/

Time: 14/15/43

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	372.0045	36.87	-15.84	21.03	46.00	-24.97	QP			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #234

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VECHICLE

Mode: TX 2405MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

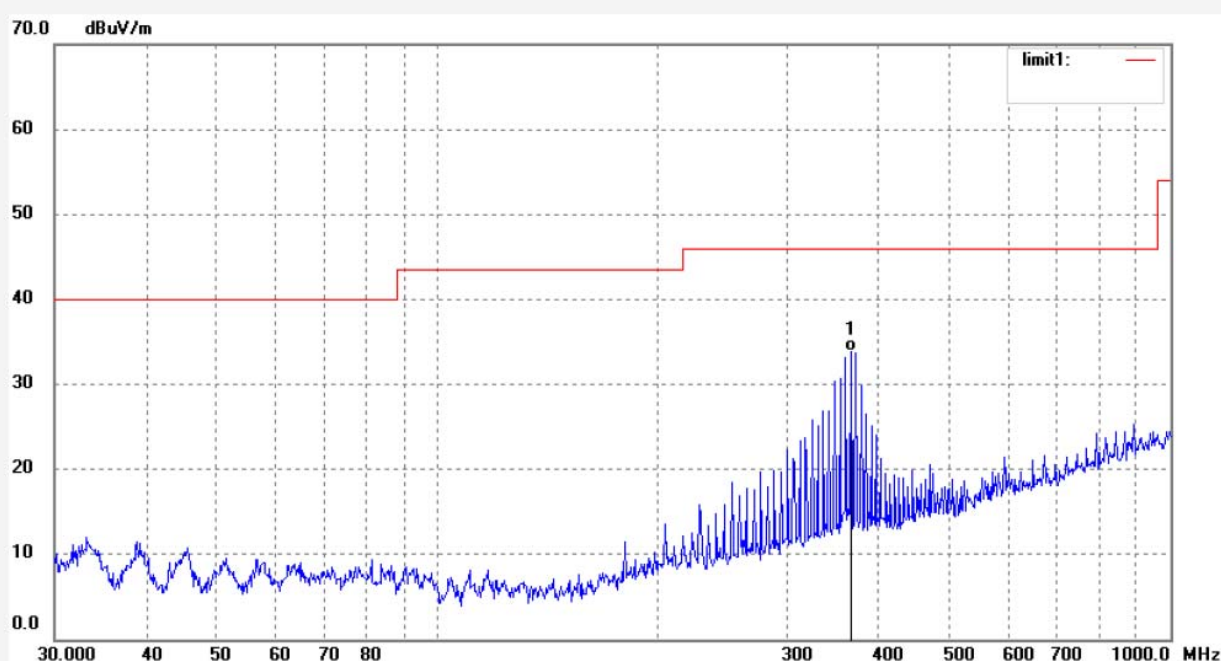
Date: 14/05/08/

Time: 14/18/26

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	366.8231	49.75	-15.87	33.88	46.00	-12.12	QP			



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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #239

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2405MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

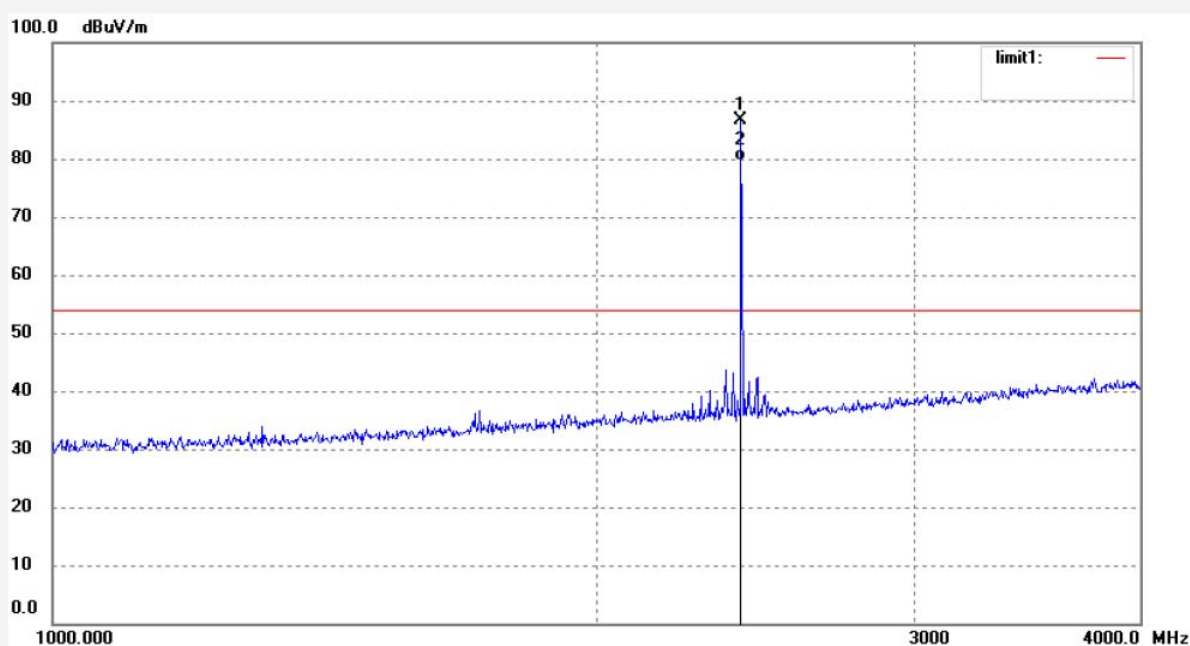
Date: 14/05/08/

Time: 14/37/10

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2405.000	93.35	-6.75	86.60	114.00	-27.40	peak			
2	2405.000	86.47	-6.75	79.72	94.00	-14.28	AVG			



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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star2014 #240

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2405MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Vertical

Power Source: DC 9V

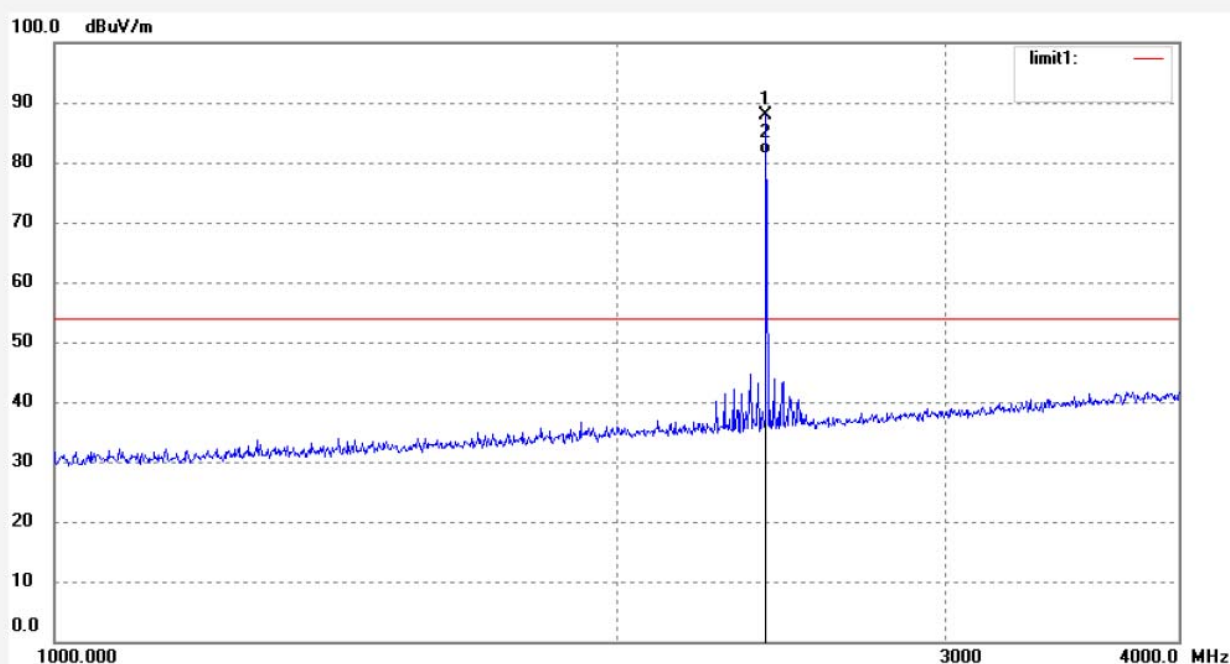
Date: 14/05/08/

Time: 14/42/10

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2405.000	94.70	-6.75	87.95	114.00	-26.05	peak			
2	2405.000	88.14	-6.75	81.39	94.00	-12.61	AVG			



ACCURATE TECHNOLOGY CO., LTD.

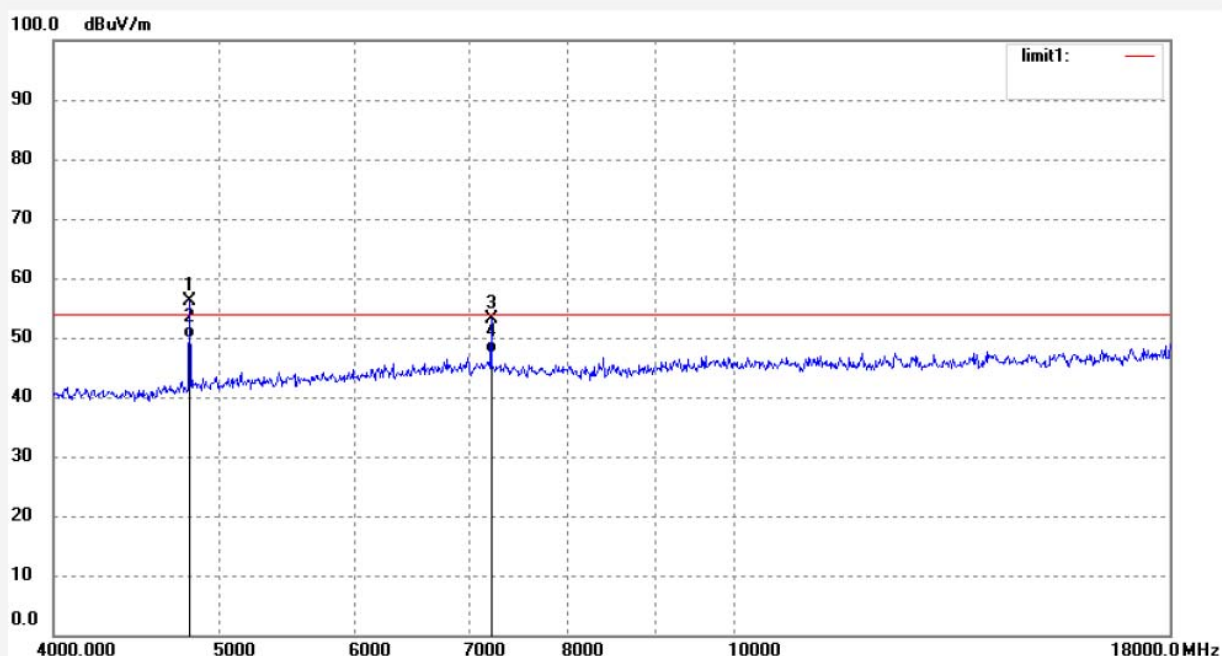
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star2014 #249
Standard: FCC PART 15B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 2.4G VEHICLE
Mode: TX 2405MHz
Model: 425XXTX
Manufacturer: Interactive

Polarization: Vertical
Power Source: DC 9V
Date: 14/05/08/
Time: 15/15/32
Engineer Signature: STAR
Distance: 3m

Note: Report No.: ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4810.000	57.61	-1.59	56.02	74.00	-17.98	peak			
2	4810.000	51.40	-1.59	49.81	54.00	-4.19	AVG			
3	7215.000	51.74	1.30	53.04	74.00	-20.96	peak			
4	7215.000	46.20	1.30	47.50	54.00	-6.50	AVG			


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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #250

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VECHICLE

Mode: TX 2405MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

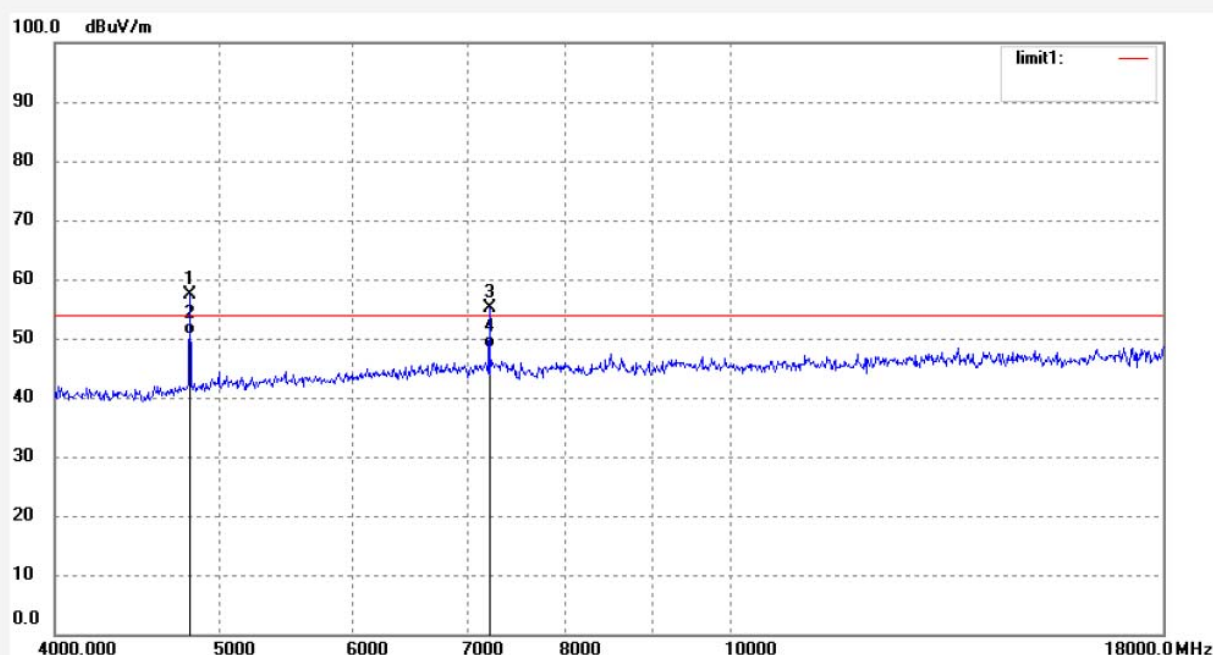
Date: 14/05/08/

Time: 15/19/26

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4810.000	58.91	-1.59	57.32	74.00	-16.68	peak			
2	4810.000	52.20	-1.59	50.61	54.00	-3.39	AVG			
3	7215.000	53.90	1.30	55.20	74.00	-18.80	peak			
4	7215.000	47.10	1.30	48.40	54.00	-5.60	AVG			


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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #251

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2405MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

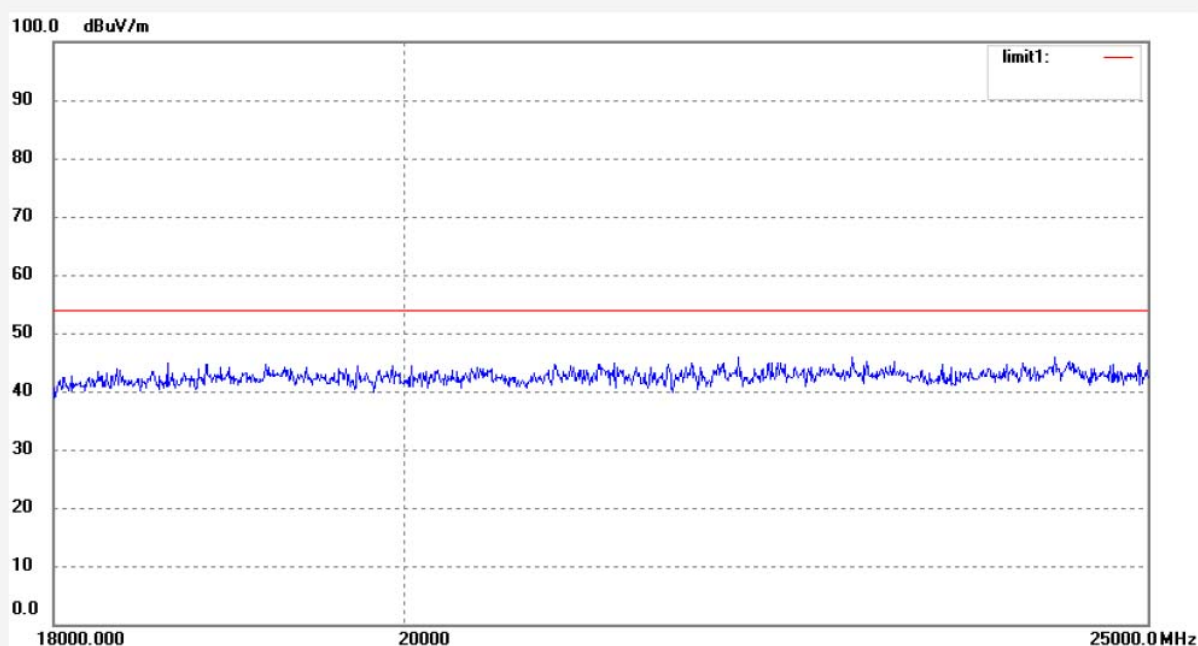
Date: 14/05/08/

Time: 15/25/18

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



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

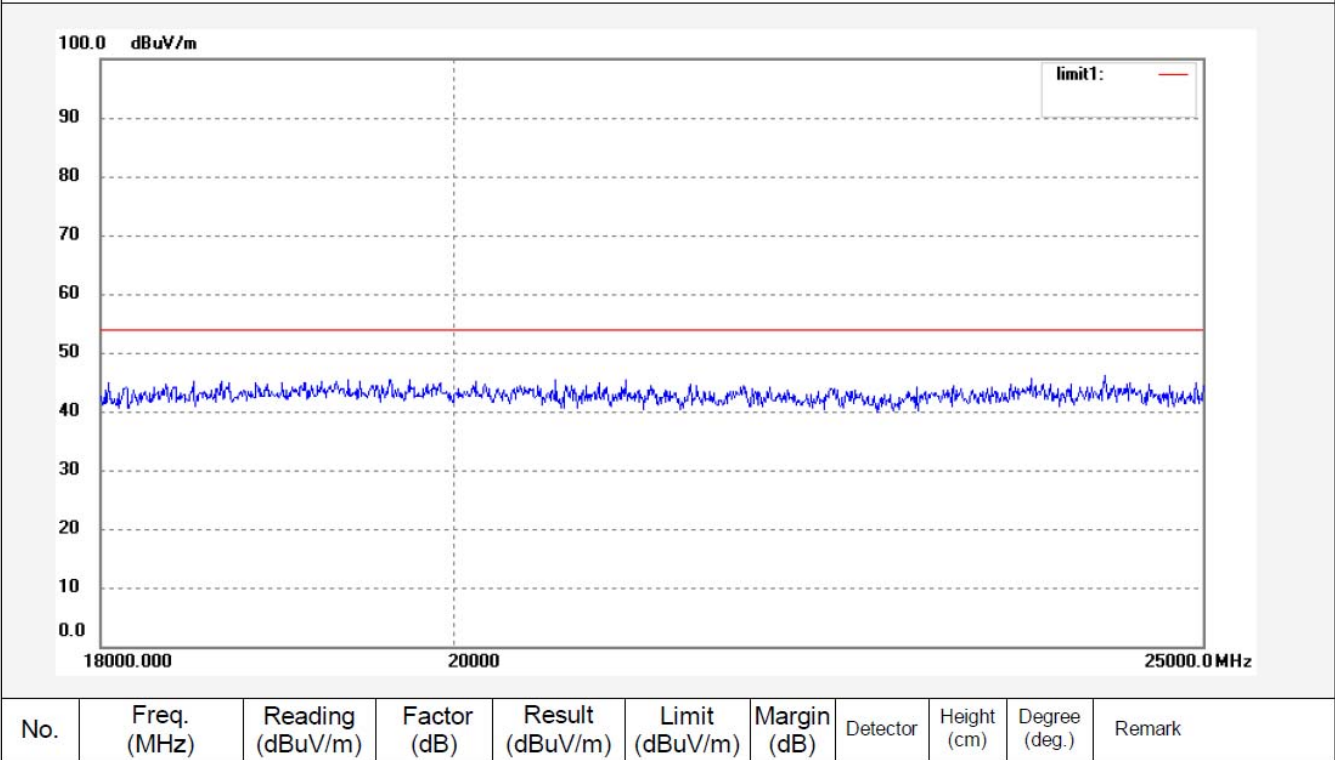
Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #252	Polarization: Vertical
Standard: FCC PART 15B 3M Radiated	Power Source: DC 9V
Test item: Radiation Test	Date: 14/05/08/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 15/29/44
EUT: 2.4G VEHICLE	Engineer Signature: STAR
Mode: TX 2405MHz	Distance: 3m
Model: 425XXTX	
Manufacturer: Interactive	

Note: Report No.:ATE20140684





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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #235

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2442MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

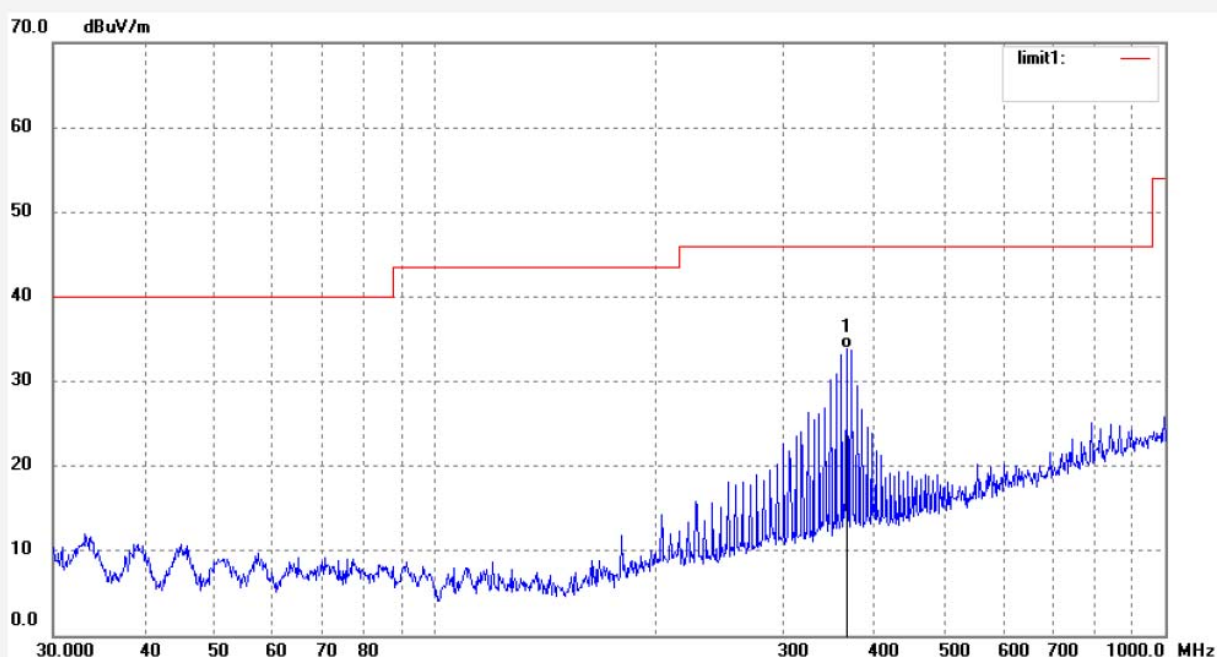
Date: 14/05/08/

Time: 14/22/08

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	366.8231	49.75	-15.87	33.88	46.00	-12.12	QP			


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

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star2014 #236

Polarization: Vertical

Standard: FCC PART 15B 3M Radiated

Power Source: DC 9V

Test item: Radiation Test

Date: 14/05/08/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 14/25/49

EUT: 2.4G VEHICLE

Engineer Signature: STAR

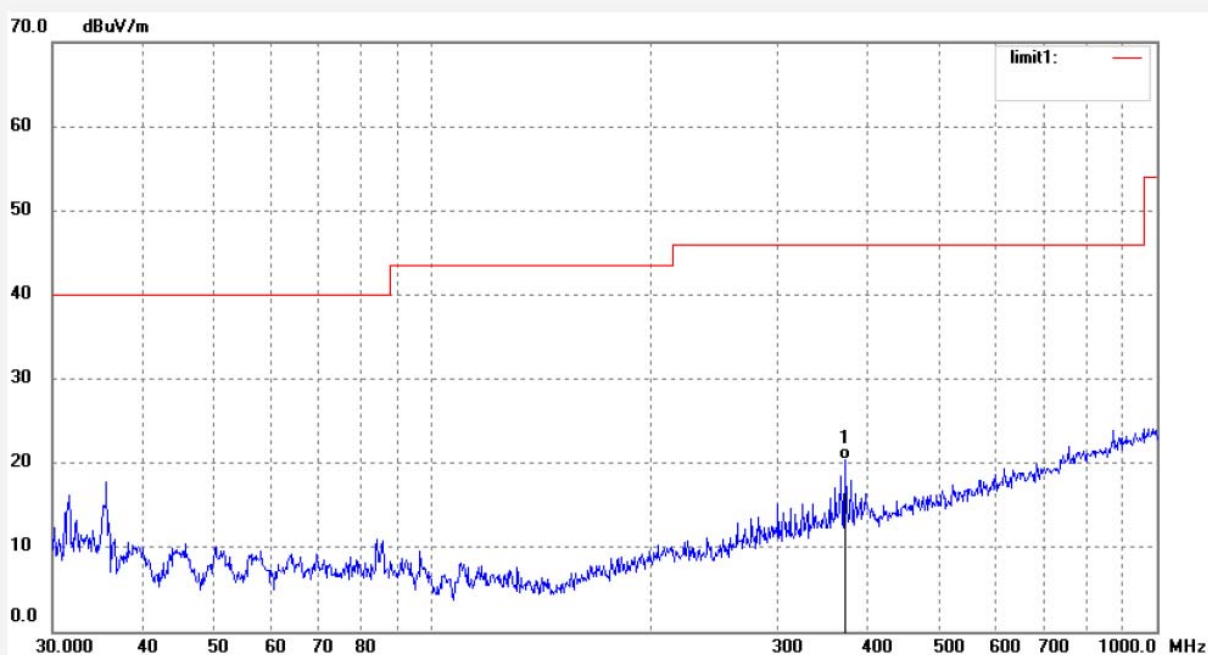
Mode: TX 2442MHz

Distance: 3m

Model: 425XXTX

Manufacturer: Interactive

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	372.0045	36.29	-15.84	20.45	46.00	-25.55	QP			


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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #241

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2442MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Vertical

Power Source: DC 9V

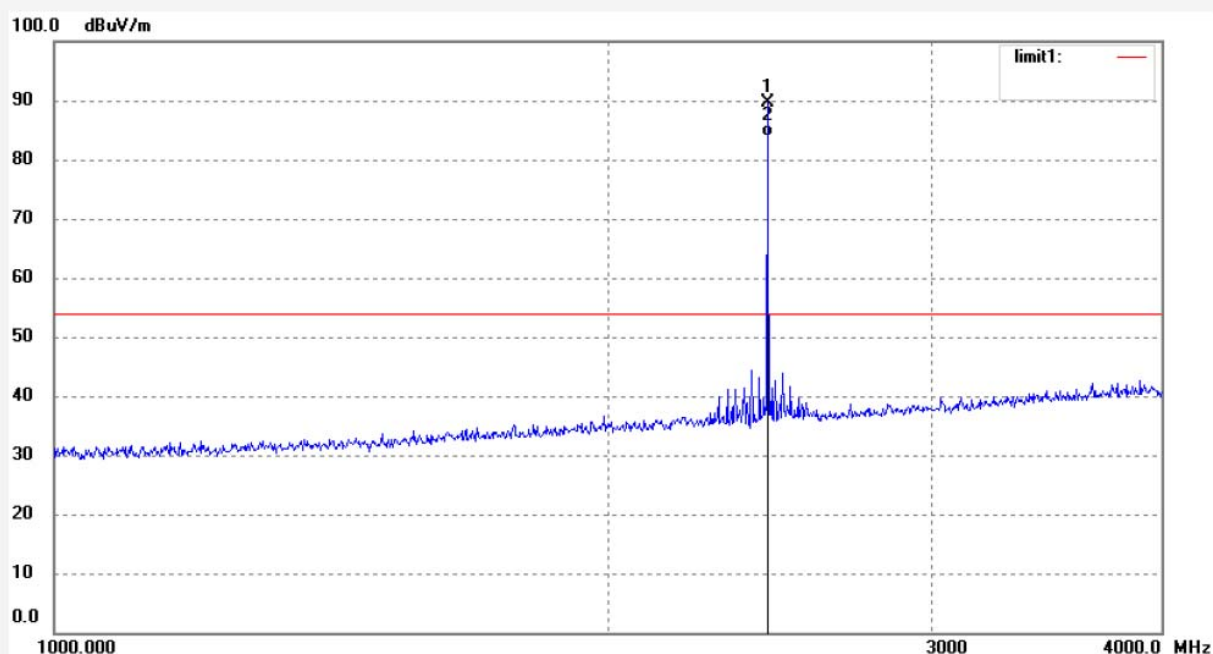
Date: 14/05/08/

Time: 14/46/08

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2442.000	96.23	-6.64	89.59	114.00	-24.41	peak			
2	2442.000	90.40	-6.64	83.76	94.00	-10.24	AVG			


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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #242

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2442MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

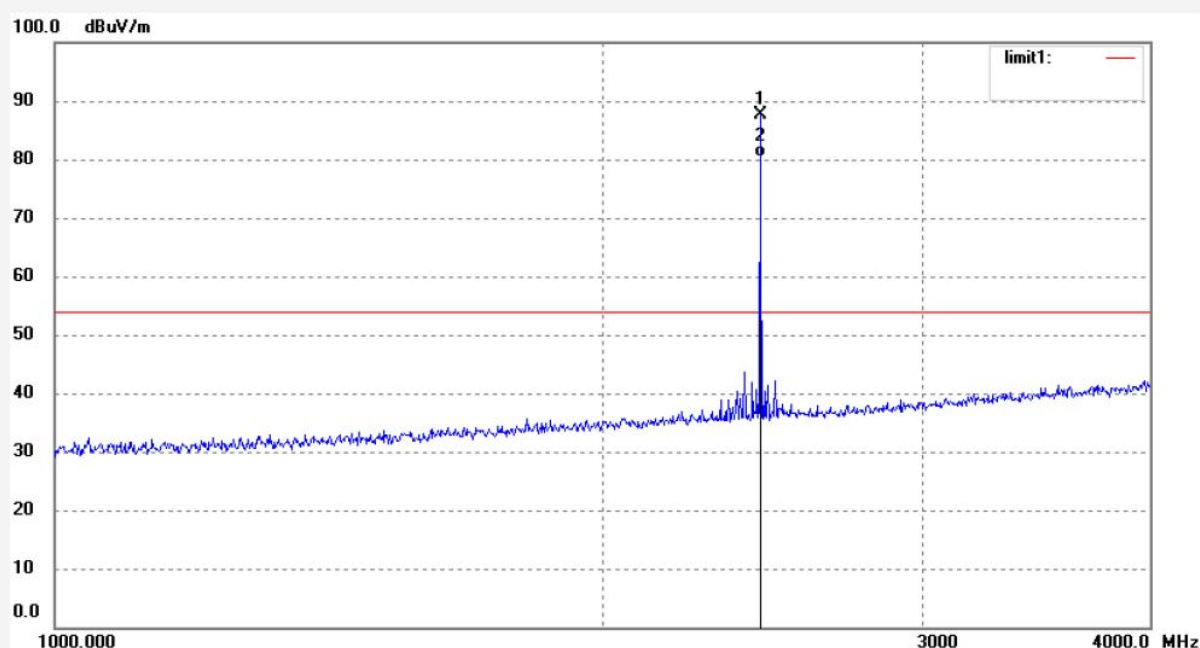
Date: 14/05/08/

Time: 14/50/05

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2442.000	94.29	-6.64	87.65	114.00	-26.35	peak			
2	2442.000	87.00	-6.64	80.36	94.00	-13.64	AVG			


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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #247

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2442MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

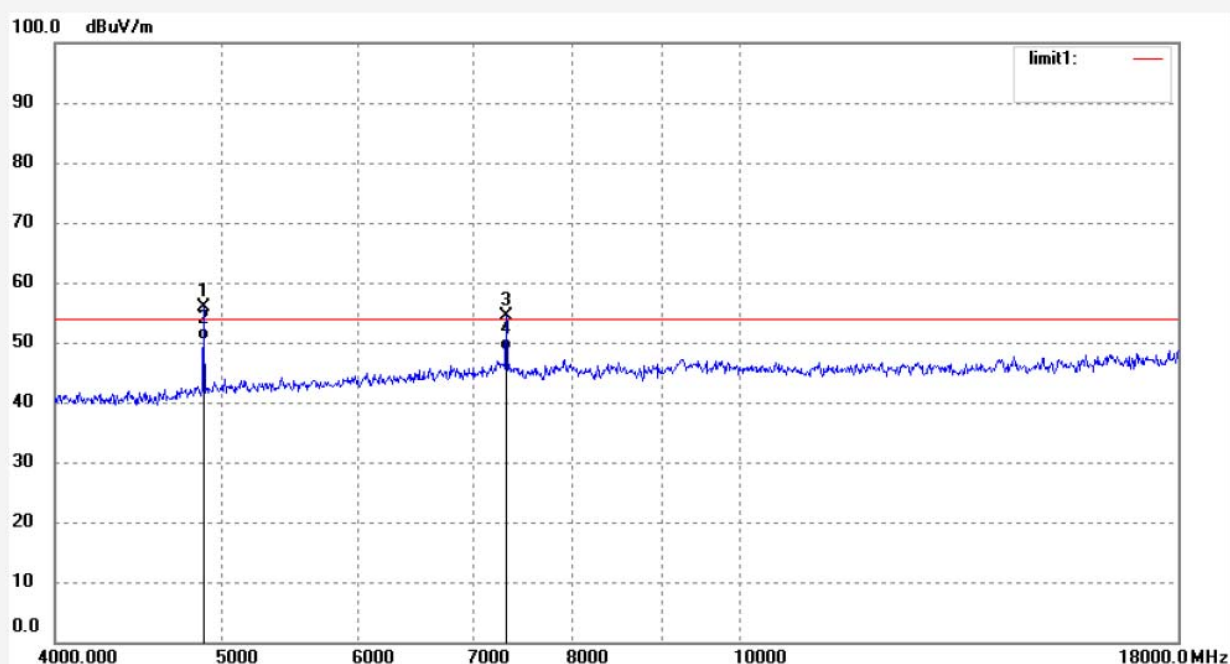
Date: 14/05/08/

Time: 15/08/07

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4884.000	57.17	-1.37	55.80	74.00	-18.20	peak			
2	4884.000	51.70	-1.37	50.33	54.00	-3.67	AVG			
3	7326.000	53.05	1.40	54.45	74.00	-19.55	peak			
4	7326.000	47.20	1.40	48.60	54.00	-5.40	AVG			



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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #248

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2442MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Vertical

Power Source: DC 9V

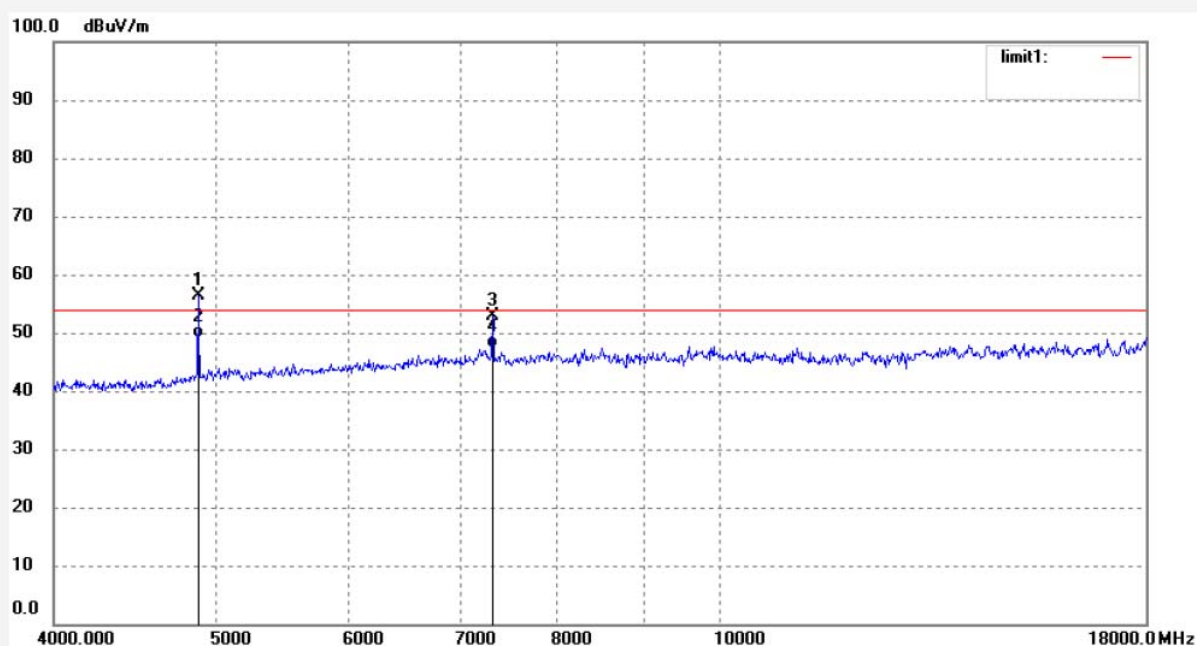
Date: 14/05/08/

Time: 15/11/27

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4884.000	57.64	-1.37	56.27	74.00	-17.73	peak			
2	4884.000	50.60	-1.37	49.23	54.00	-4.77	AVG			
3	7326.000	51.48	1.40	52.88	74.00	-21.12	peak			
4	7326.000	45.96	1.40	47.36	54.00	-6.64	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #253

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2442MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Vertical

Power Source: DC 9V

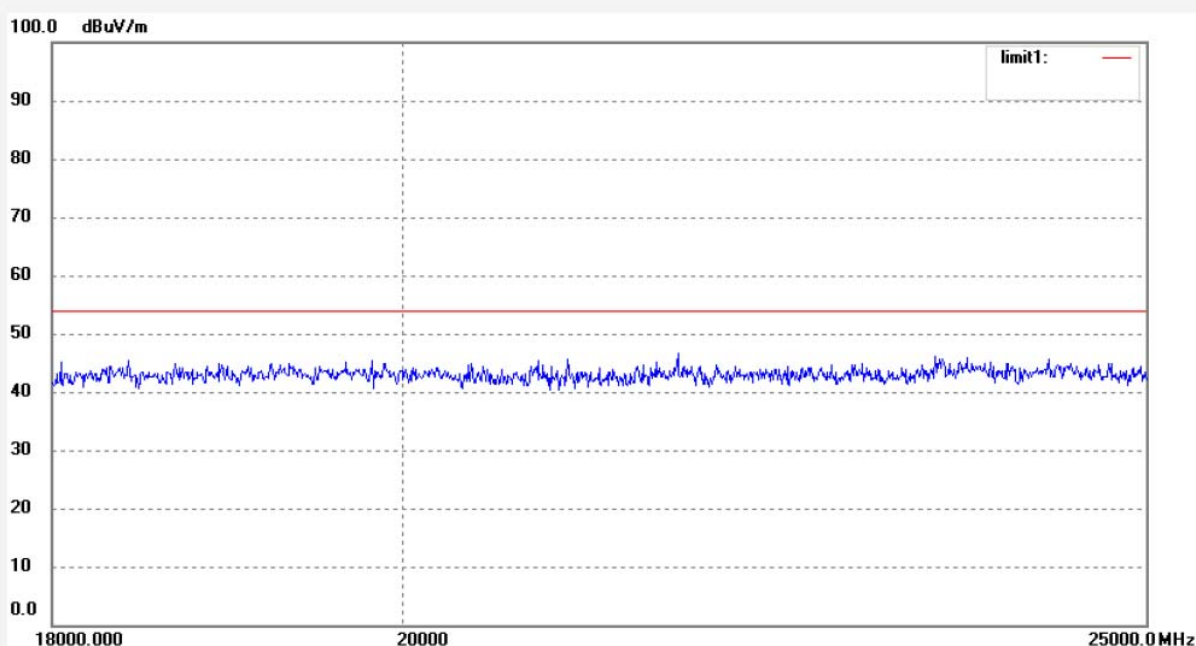
Date: 14/05/08/

Time: 15/33/18

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



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: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #254

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2442MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

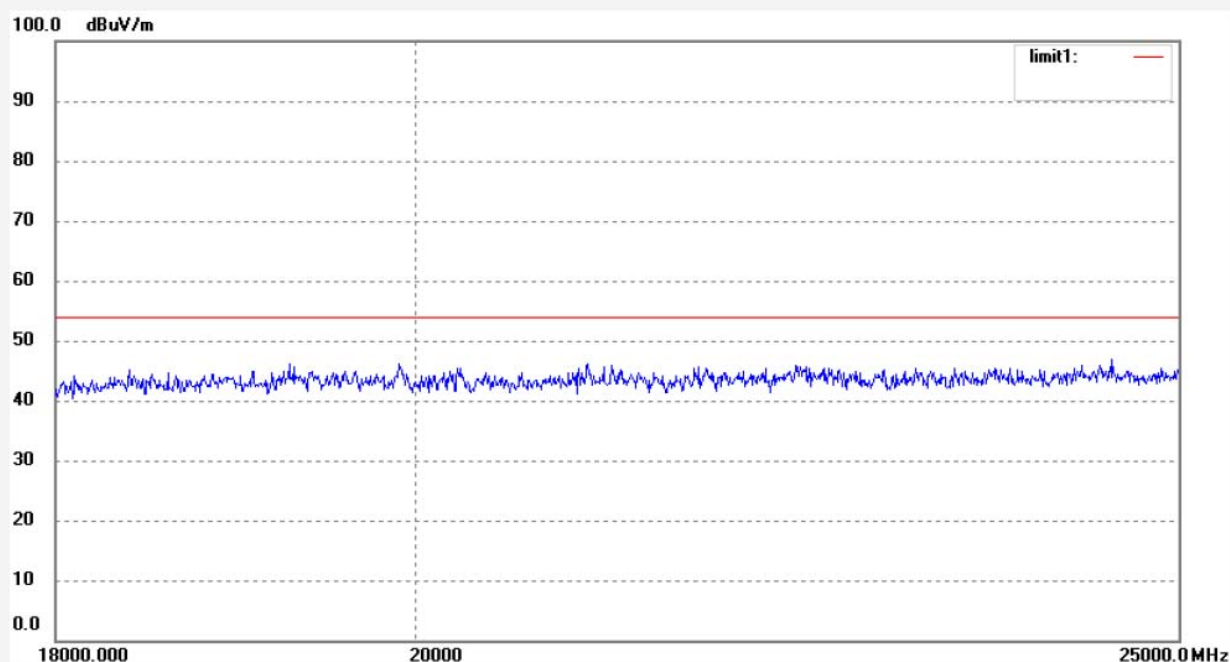
Date: 14/05/08/

Time: 15/38/46

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



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: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #237

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2468MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Vertical

Power Source: DC 9V

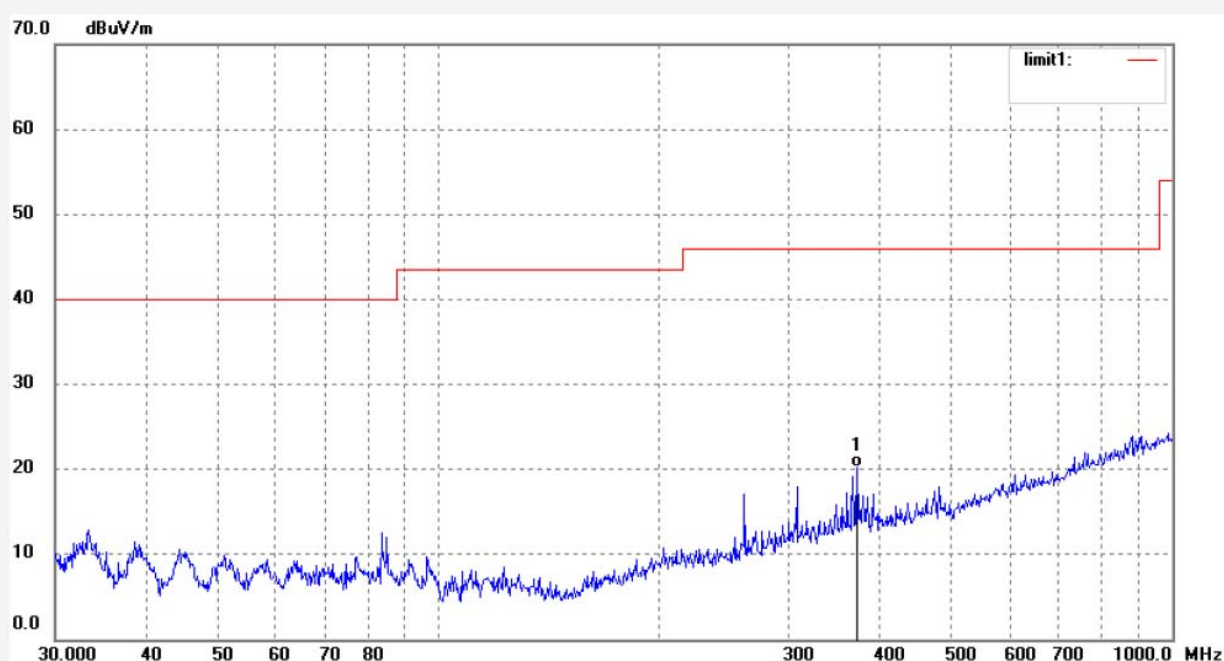
Date: 14/05/08/

Time: 14/28/41

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	372.0045	36.09	-15.84	20.25	46.00	-25.75	QP			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #238

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2468MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

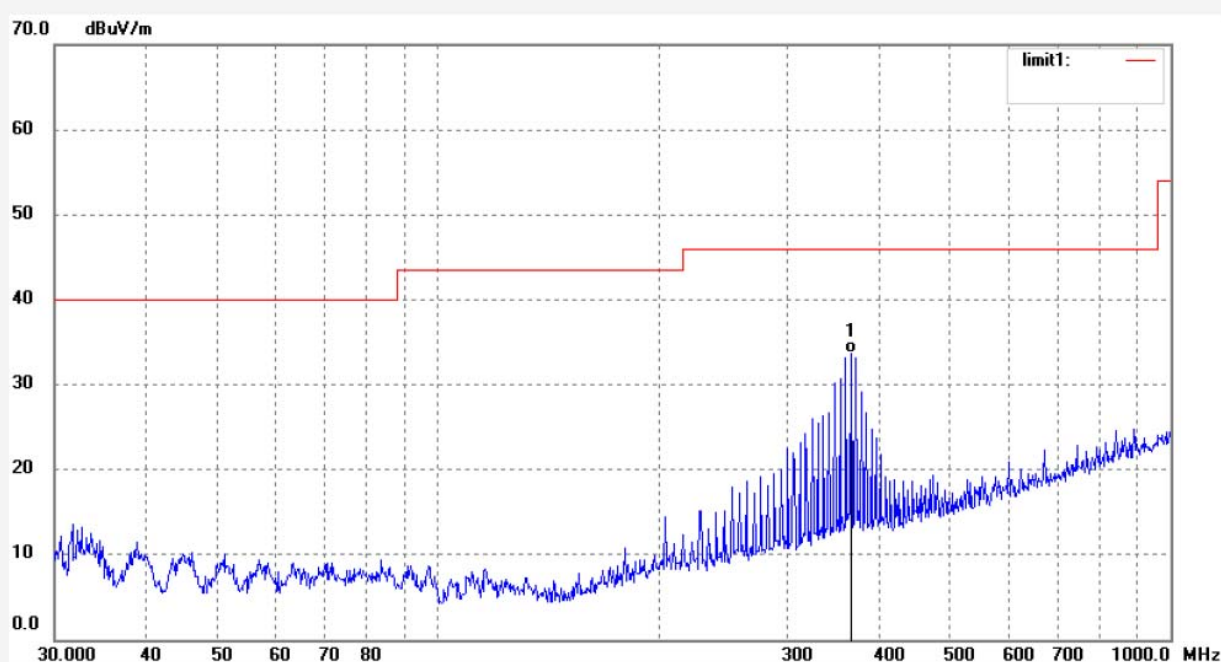
Date: 14/05/08/

Time: 14/32/22

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	366.8231	49.64	-15.87	33.77	46.00	-12.23	QP			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #243

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2468MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

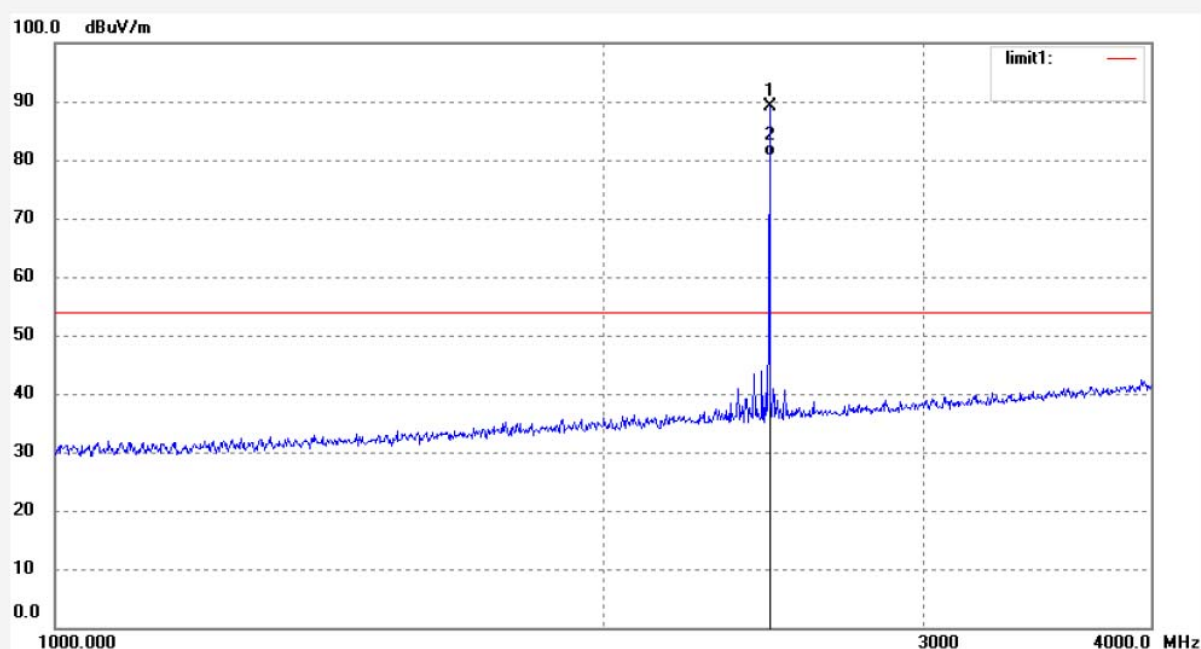
Date: 14/05/08/

Time: 14/53/00

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2468.000	95.80	-6.57	89.23	114.00	-24.77	peak			
2	2468.000	87.14	-6.57	80.57	94.00	-13.43	AVG			


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Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: star2014 #244

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2468MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Vertical

Power Source: DC 9V

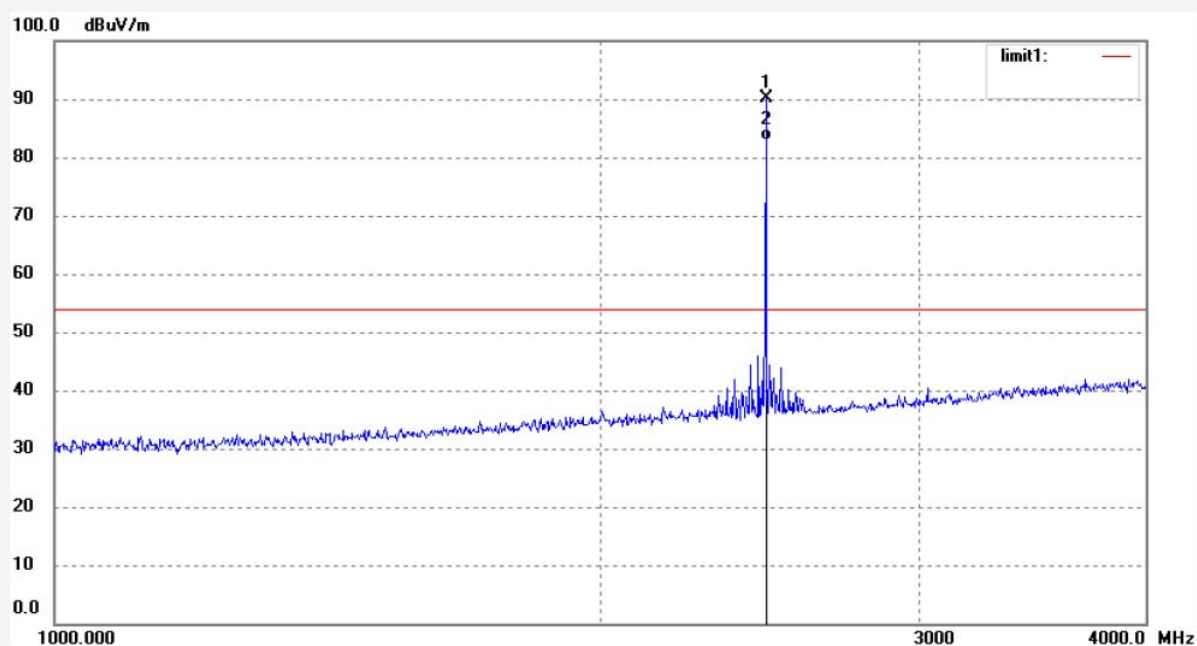
Date: 14/05/08/

Time: 14/57/58

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2468.000	96.75	-6.57	90.18	114.00	-23.82	peak			
2	2468.000	89.38	-6.57	82.81	94.00	-11.19	AVG			



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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: star2014 #245

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2468MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Vertical

Power Source: DC 9V

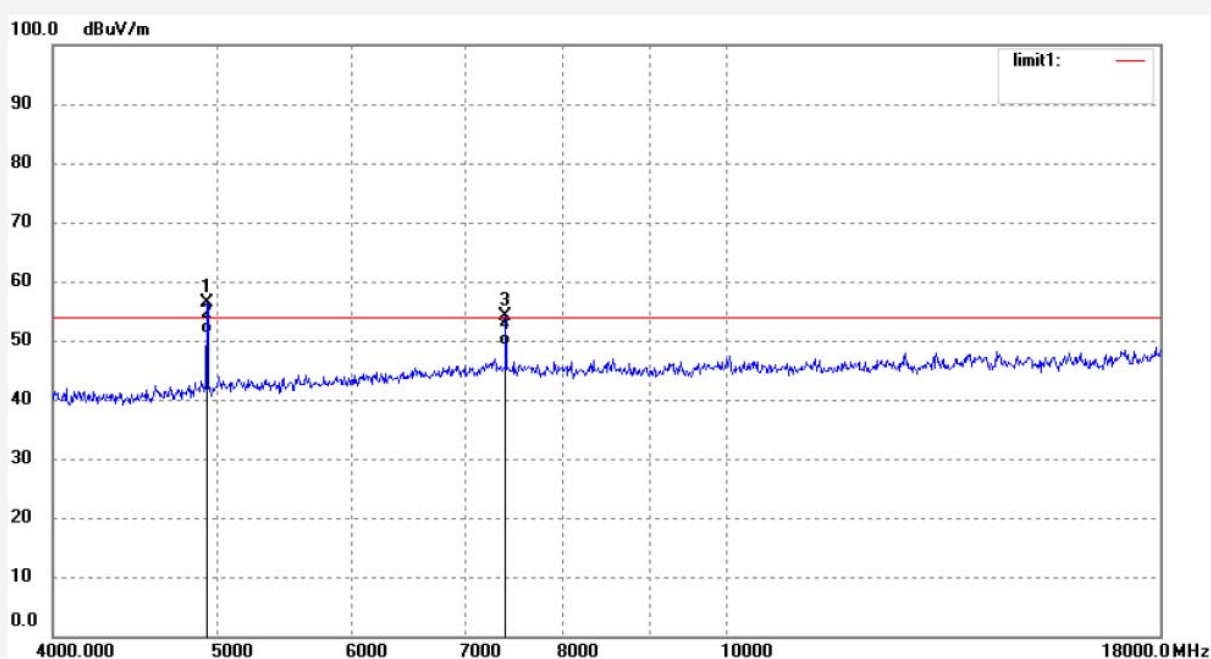
Date: 14/05/08/

Time: 15/01/58

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4936.000	57.67	-1.21	56.46	74.00	-17.54	peak			
2	4936.000	52.22	-1.21	51.01	54.00	-2.99	AVG			
3	7404.000	52.75	1.47	54.22	74.00	-19.78	peak			
4	7404.000	47.69	1.47	49.16	54.00	-4.84	AVG			



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Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: star2014 #246

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2468MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

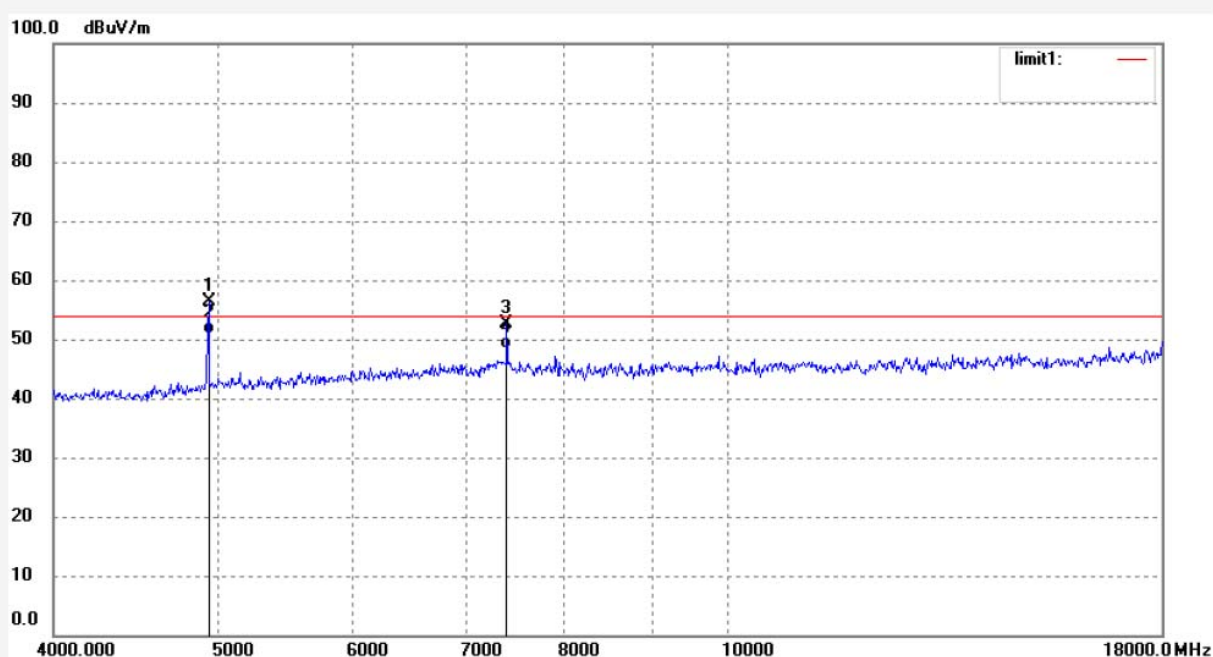
Date: 14/05/08/

Time: 15/05/05

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4936.000	57.63	-1.18	56.45	74.00	-17.55	peak			
2	4936.000	52.00	-1.18	50.82	54.00	-3.18	AVG			
3	7404.000	51.12	1.47	52.59	74.00	-21.41	peak			
4	7404.000	47.00	1.47	48.47	54.00	-5.53	AVG			


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Fax:+86-0755-26503396

Job No.: star2014 #255

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2468MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Horizontal

Power Source: DC 9V

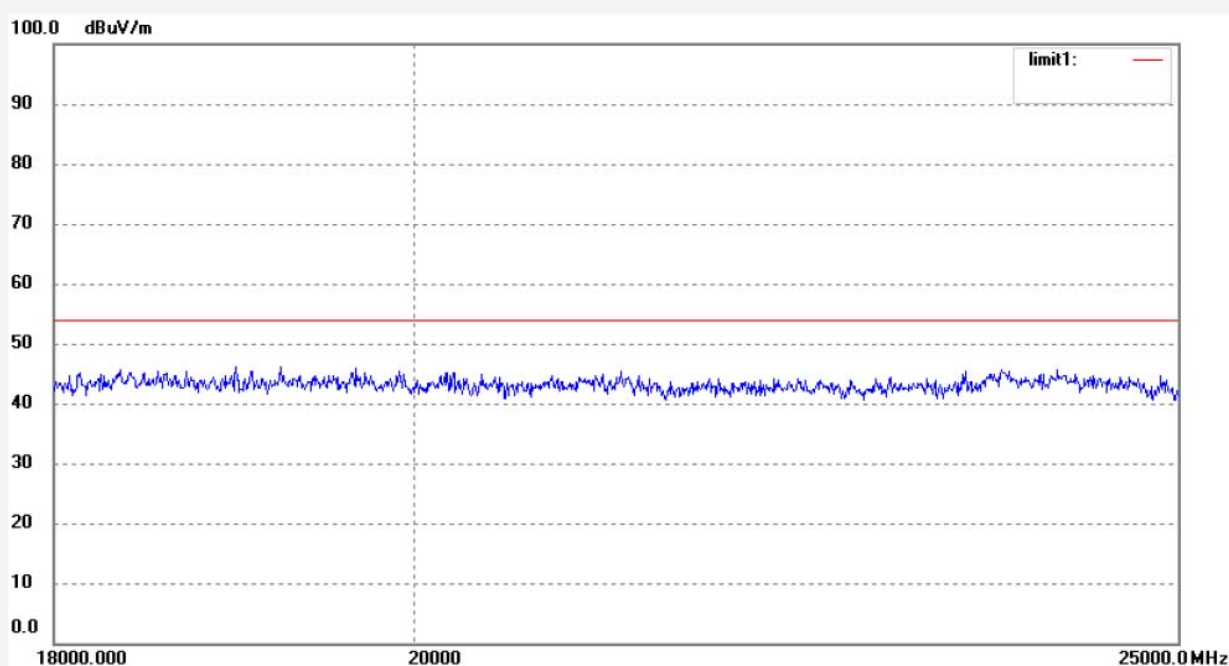
Date: 14/05/08/

Time: 15/41/17

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



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: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #256

Standard: FCC PART 15B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2468MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Vertical

Power Source: DC 9V

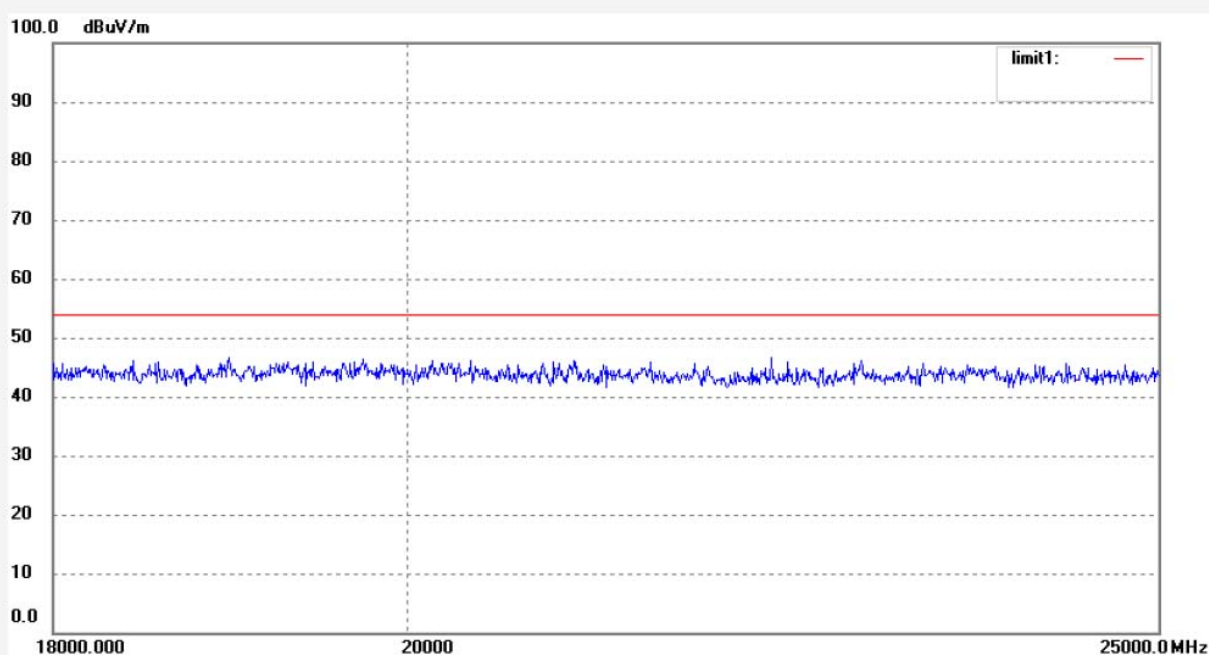
Date: 14/05/08/

Time: 15/44/49

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



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: 1# Chamber

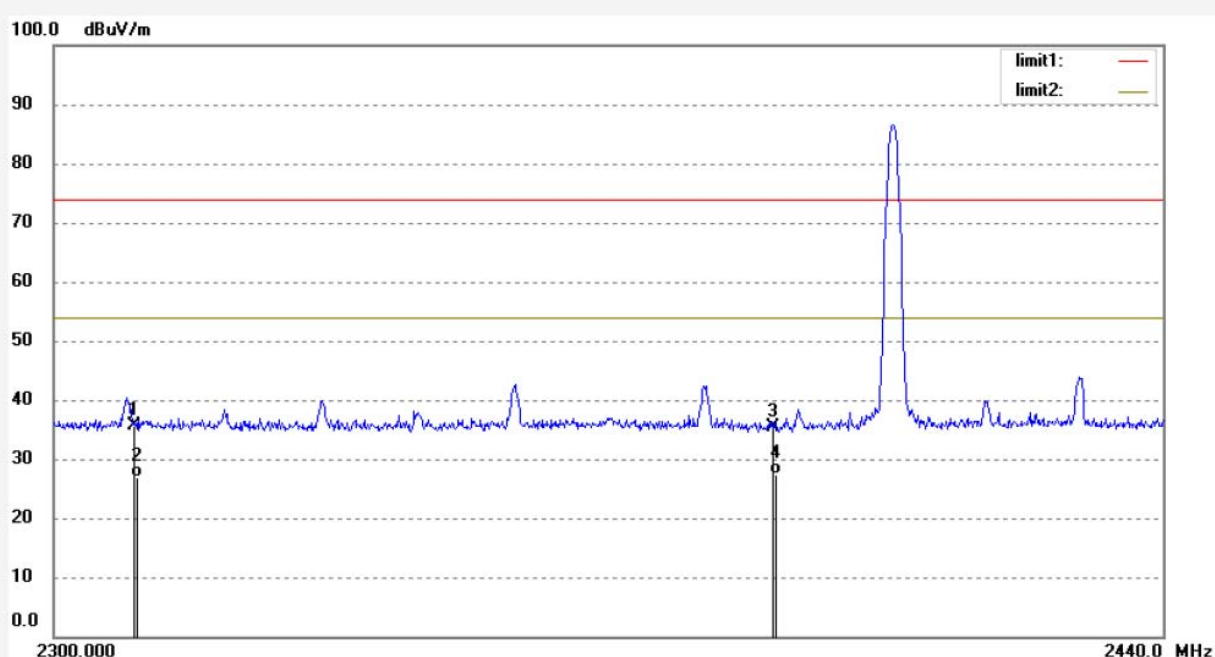
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #257
 Standard: FCC PK
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: 2.4G VEHICLE
 Mode: TX 2405MHz
 Model: 425XXTX
 Manufacturer: Interactive

Polarization: Horizontal
 Power Source: DC 9V
 Date: 14/05/08/
 Time: 15/52/00
 Engineer Signature: STAR
 Distance: 3m

Note: Report No.:ATE20140684



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	42.65	-6.99	35.66	74.00	-38.34	peak			
2	2310.000	33.90	-6.99	26.91	54.00	-27.09	AVG			
3	2390.000	42.20	-6.78	35.42	74.00	-38.58	peak			
4	2390.000	34.14	-6.78	27.36	54.00	-26.64	AVG			



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Site: 1# Chamber

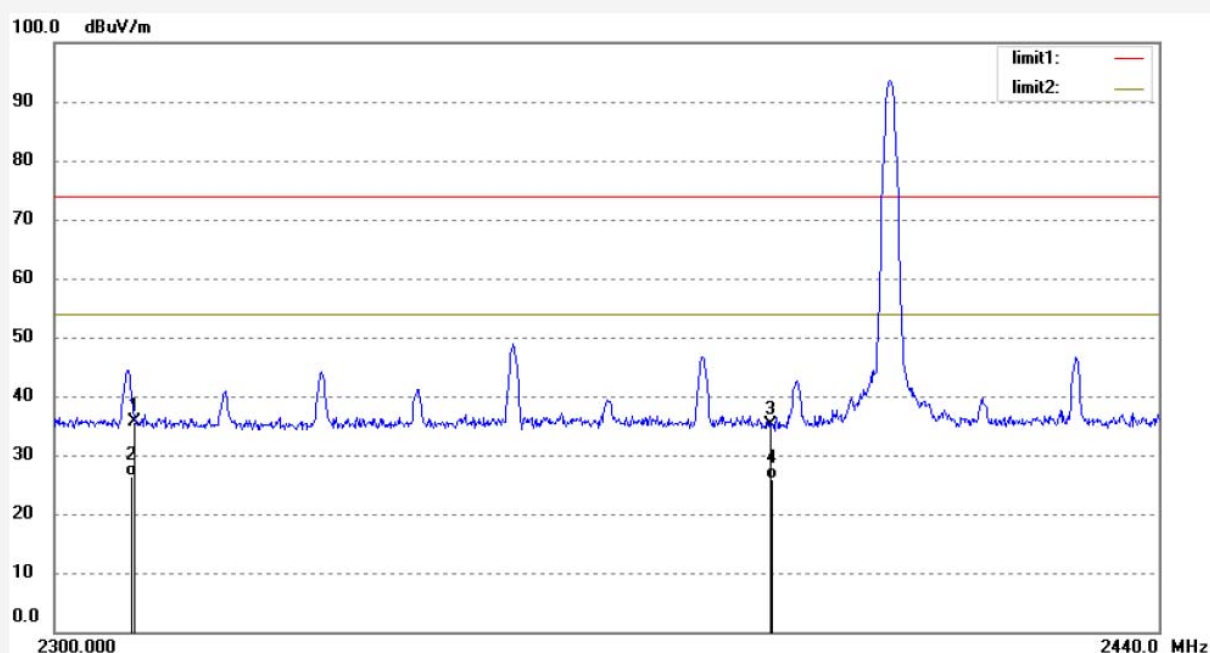
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #258
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 2.4G VEHICLE
Mode: TX 2405MHz
Model: 425XXTX
Manufacturer: Interactive

Polarization: Vertical
Power Source: DC 9V
Date: 14/05/08/
Time: 15/55/02
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20140684



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	42.68	-6.99	35.69	74.00	-38.31	peak			
2	2310.000	33.47	-6.99	26.48	54.00	-27.52	AVG			
3	2390.000	41.82	-6.78	35.04	74.00	-38.96	peak			
4	2390.000	32.56	-6.78	25.78	54.00	-28.22	AVG			



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Fax:+86-0755-26503396

Job No.: star2014 #259

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: 2.4G VEHICLE

Mode: TX 2468MHz

Model: 425XXTX

Manufacturer: Interactive

Polarization: Vertical

Power Source: DC 9V

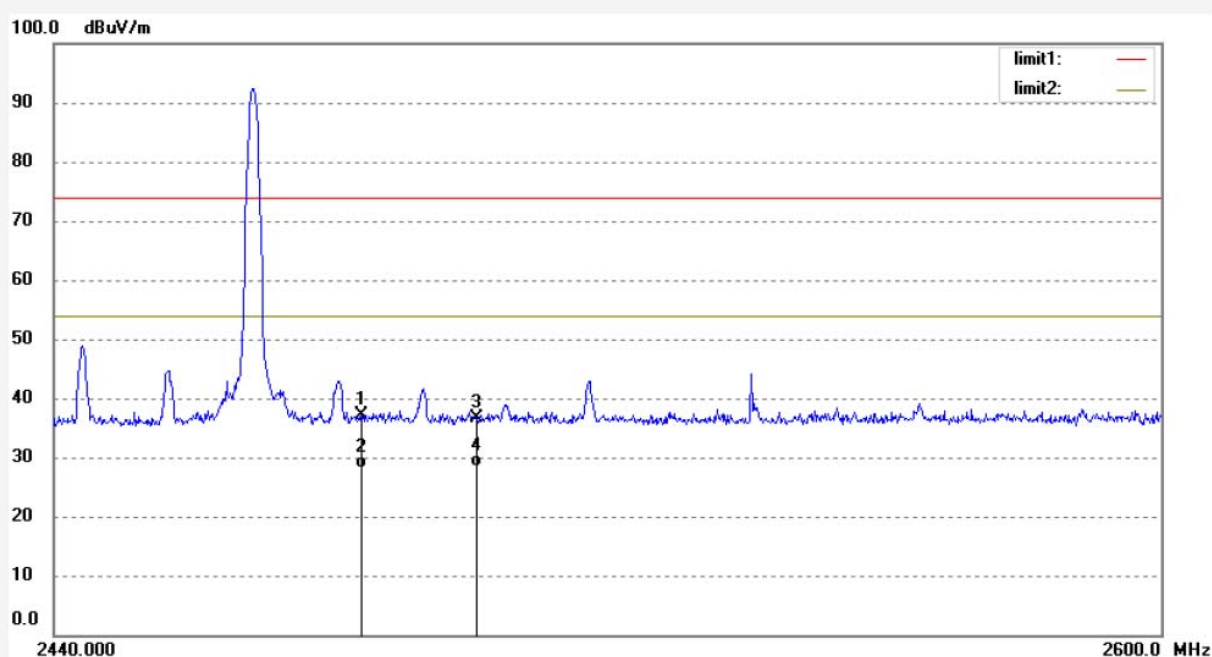
Date: 14/05/08/

Time: 15/59/31

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140684



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	43.56	-6.54	37.02	74.00	-36.98	peak			
2	2483.500	34.58	-6.54	28.04	54.00	-25.96	AVG			
3	2500.000	43.16	-6.50	36.66	74.00	-37.34	peak			
4	2500.000	35.00	-6.50	28.50	54.00	-25.50	AVG			



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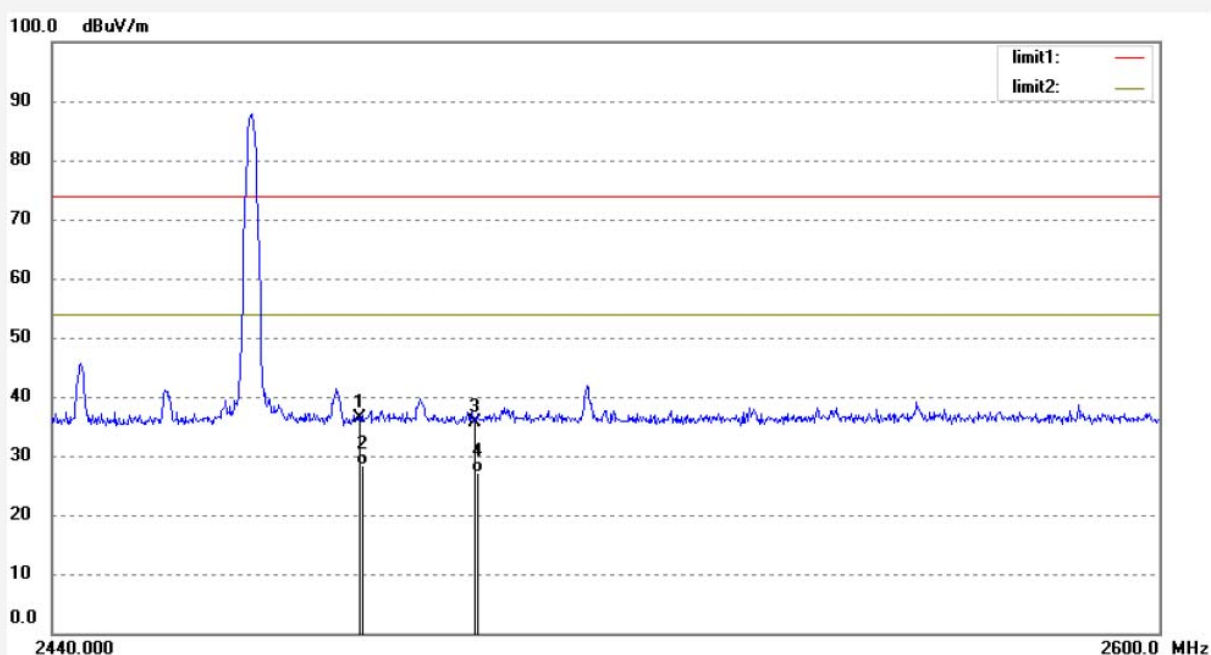
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star2014 #260
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 2.4G VEHICLE
Mode: TX 2468MHz
Model: 425XXTX
Manufacturer: Interactive

Polarization: Horizontal
Power Source: DC 9V
Date: 14/05/08/
Time: 16/03/35
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20140684



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	43.03	-6.54	36.49	74.00	-37.51	peak			
2	2483.500	34.81	-6.54	28.27	54.00	-25.73	AVG			
3	2500.000	42.12	-6.50	35.62	74.00	-38.38	peak			
4	2500.000	33.58	-6.50	27.08	54.00	-26.92	AVG			