

FCC CERTIFICATION
On Behalf of
Eastern Times Technology Co., Ltd.

2.4G Wireless Optical Mouse
Model No.: DS-2425, DS-2470, DS-2469, DS-2461

FCC ID: TUVDS-2425

Prepared for : Eastern Times Technology Co., Ltd.
Address : Building D, Nan An Industry Park, Youganpu Village
Fenggang Town, Dongguan City, Guangdong, China

Prepared by : ACCURATE TECHNOLOGY CO. LTD
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Report Number : ATE20122844
Date of Test : December 19-25, 2012
Date of Report : December 25, 2012

TABLE OF CONTENTS

Description	Page
Test Report Certification	
1. GENERAL INFORMATION	4
1.1. Description of Device (EUT).....	4
1.2. Description of Test Facility	4
1.3. Measurement Uncertainty.....	5
2. MEASURING DEVICE AND TEST EQUIPMENT	6
3. SUMMARY OF TEST RESULTS.....	7
4. FUNDAMENTAL AND HARMONICS RADIATED EMISSION FOR SECTION 15.249(A) 8	8
4.1. Block Diagram of Test Setup.....	8
4.2. The Emission Limit	9
4.3. Configuration of EUT on Measurement	9
4.4. Operating Condition of EUT	9
4.5. Test Procedure	10
4.6. The Field Strength of Radiation Emission Measurement Results	11
5. SPURIOUS RADIATED EMISSION FOR SECTION 15.249(D)	14
5.1. Block Diagram of Test Setup.....	14
5.2. The Emission Limit For Section 15.249(d)	14
5.3. EUT Configuration on Measurement	15
5.4. Operating Condition of EUT	15
5.5. Test Procedure	16
5.6. The Emission Measurement Result	17
6. BAND EDGES	20
6.1. The Requirement	20
6.2. EUT Configuration on Measurement	20
6.3. Operating Condition of EUT	20
6.4. Test Procedure	20
6.5. The Measurement Result	21
7. ANTENNA REQUIREMENT.....	23
7.1. The Requirement	23
7.2. Antenna Construction	23

APPENDIX I (TEST CURVES) (28 pages)

Test Report Certification

Applicant : Eastern Times Technology Co., Ltd.
 Manufacturer : Eastern Times Technology Co., Ltd.
 EUT Description : 2.4G Wireless Optical Mouse
 (A) MODEL NO.: DS-2425, DS-2470, DS-2469, DS-2461
 (B) POWER SUPPLY: 1.5V DC ("AA" batteries 1×)

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.

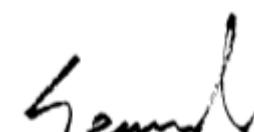
Date of Test : _____ December 19-25, 2012 _____

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : 2.4G Wireless Optical Mouse
 Model Number : DS-2425, DS-2470, DS-2469, DS-2461
 (Note: These samples are identical, except the appearance color is difference. Therefore only model DS-2425 is tested for EMC tests.)
 Power Supply : 1.5V DC (“AA” batteries 1×)
 Operate Frequency : 2408.000-2474.000MHz
 Applicant : Eastern Times Technology Co., Ltd.
 Address : Building D, Nan An Industry Park, Youganpu Village Fenggang Town, Dongguan City, Guangdong, China
 Manufacturer : Eastern Times Technology Co., Ltd.
 Address : Building D, Nan An Industry Park, Youganpu Village Fenggang Town, Dongguan City, Guangdong, China
 Date of sample received : December 19, 2012
 Date of Test : December 19-25, 2012

1.2. Description of Test Facility

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

1.3.Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

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

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

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

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 8, 2012	Jan. 7, 2013
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 8, 2012	Jan. 7, 2013
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 8, 2012	Jan. 7, 2013
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 8, 2012	Jan. 7, 2013
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 8, 2012	Jan. 7, 2013
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 8, 2012	Jan. 7, 2013
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 8, 2012	Jan. 7, 2013
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 8, 2012	Jan. 7, 2013

3. 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	Compliant

Remark: “N/A” means “Not applicable”.

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

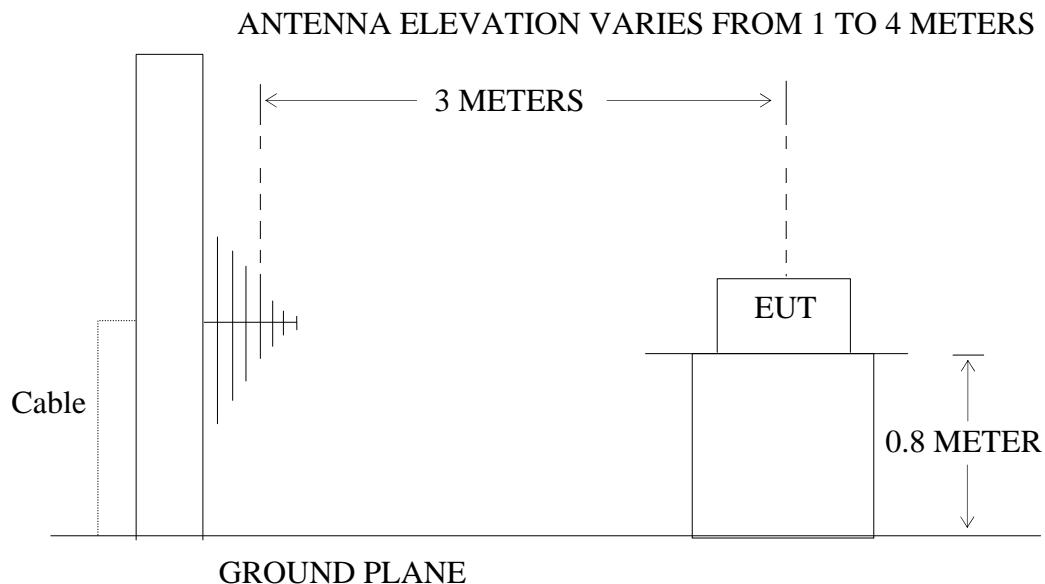
4.1. Block Diagram of Test Setup

4.1.1. Block diagram of connection between the EUT and simulators



(EUT: 2.4G Wireless Optical Mouse)

4.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: 2.4G Wireless Optical Mouse)

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 Wireless Optical Mouse (EUT)

Model Number : DS-2425
 Serial Number : N/A
 Manufacturer : Eastern Times Technology Co., Ltd.

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 2408.000 - 2474.000 MHz MHz. We are select 2408.000MHz, 2440.000MHz, 2474.000MHz 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:	December 21, 2012	Temperature:	25°C
EUT:	2.4G Wireless Optical Mouse	Humidity:	50%
Model No.:	DS-2425	Power Supply:	DC 1.5V
Test Mode:	TX 2408.000MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2408.000	93.91	98.76	-7.44	85.87	91.32	94.00	114.00	-8.13	-22.68	Vertical
2408.000	96.05	101.57	-7.44	88.61	94.13	94.00	114.00	-5.39	-19.87	Horizontal

Harmonics Radiated Emissions

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

Note:

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

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

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:	December 21, 2012	Temperature:	25°C
EUT:	2.4G Wireless Optical Mouse	Humidity:	50%
Model No.:	DS-2425	Power Supply:	DC 1.5V
Test Mode:	TX 2440.000MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2440.000	94.95	100.63	-7.36	87.59	93.27	94.00	114.00	-6.41	-20.73	Vertical
2440.000	96.66	101.58	-7.36	89.30	94.22	94.00	114.00	-4.70	-19.78	Horizontal

Harmonics Radiated Emissions

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

Note:

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

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

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:	December 21, 2012	Temperature:	25°C
EUT:	2.4G Wireless Optical Mouse	Humidity:	50%
Model No.:	DS-2425	Power Supply:	DC 1.5V
Test Mode:	TX 2474.000MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2474.000	95.61	98.78	-7.37	88.24	91.41	94.00	114.00	-5.76	-22.59	Vertical
2474.000	95.47	100.04	-7.37	88.10	92.67	94.00	114.00	-5.90	-21.33	Horizontal

Harmonics Radiated Emissions

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

Note:

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

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

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)

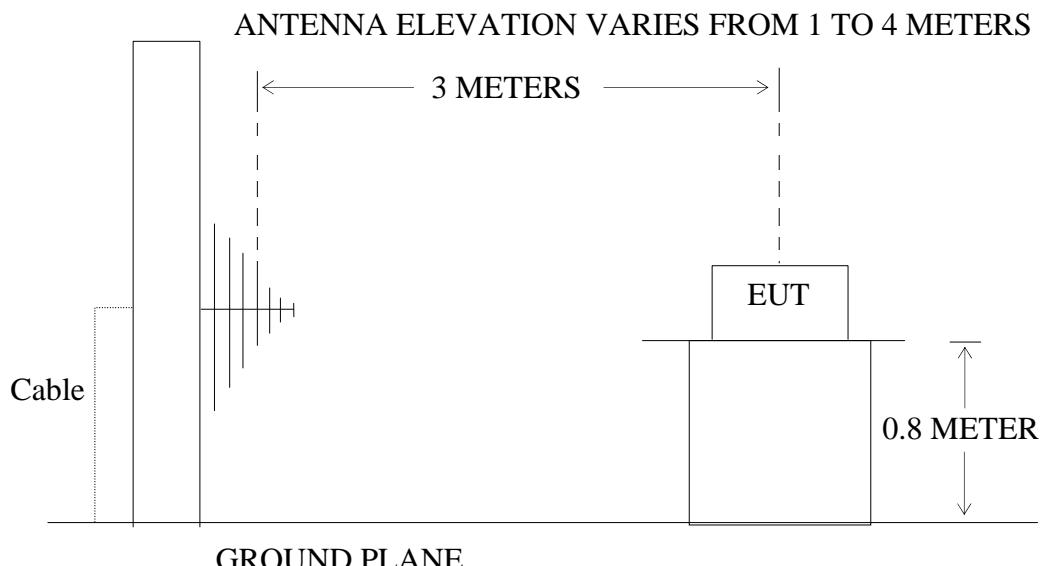
5.1. Block Diagram of Test Setup

5.1.1. Block diagram of connection between the EUT and simulators



(EUT: 2.4G Wireless Optical Mouse)

5.1.2. Semi-Anechoic Chamber Test Setup Diagram



GROUND PLANE

(EUT: 2.4G Wireless Optical Mouse)

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 Wireless Optical Mouse (EUT)

Model Number : DS-2425
 Serial Number : N/A
 Manufacturer : Eastern Times Technology Co., Ltd.

5.4.Operating Condition of EUT

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

5.4.2.Turn on the power of all equipment.

5.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2408.000 - 2474.000 MHz. We are select 2408.000MHz, 2440.000MHz, 2474.000MHz 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:	December 21, 2012	Temperature:	25°C
EUT:	2.4G Wireless Optical Mouse	Humidity:	50%
Model No.:	DS-2425	Power Supply:	DC 1.5V
Test Mode:	TX 2408.000MHz	Test Engineer:	Pei

Below 30MHz

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

30MHz-25GHz

Frequency (MHz)	Reading (dB μ V/m)	Factor(dB) Corr.	Result	Limit	Margin	Polarization
			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:

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

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:	December 21, 2012	Temperature:	25°C
EUT:	2.4G Wireless Optical Mouse	Humidity:	50%
Model No.:	DS-2425	Power Supply:	DC 1.5V
Test Mode:	TX 2440.000MHz	Test Engineer:	Pei

Below 30MHz

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

30MHz-25GH

Frequency (MHz)	Reading (dB μ V/m)	Factor(dB) Corr.	Result (dB μ V/m)	Limit (dB μ V/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:

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

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:	December 21, 2012	Temperature:	25°C
EUT:	2.4G Wireless Optical Mouse	Humidity:	50%
Model No.:	DS-2425	Power Supply:	DC 1.5V
Test Mode:	TX 2474.000MHz	Test Engineer:	Pei

Below 30MHz

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

30MHz-25GH

Frequency (MHz)	Reading (dB μ V/m)	Factor(dB) Corr.	Result (dB μ V/m)	Limit (dB μ V/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:

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

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.

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 Wireless Optical Mouse (EUT)

Model Number	:	DS-2425
Serial Number	:	N/A
Manufacturer	:	Eastern Times Technology Co., Ltd.

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 2408.000-2474.000MHz MHz. We are select 2408.000MHz, 2474.000MHz 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:	December 21, 2012	Temperature:	25°C
EUT:	2.4G Wireless Optical Mouse	Humidity:	50%
Model No.:	DS-2425	Power Supply:	DC 1.5V
Test Mode:	TX 2408.000MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	43.31	48.58	-7.81	35.50	40.77	54.00	74.00	-18.50	-33.23	Vertical
2350.000	43.05	48.73	-7.79	35.26	40.94	54.00	74.00	-18.74	-33.06	Vertical
2390.000	42.29	48.50	-7.53	34.76	40.97	54.00	74.00	-19.24	-33.03	Vertical
2310.000	47.65	53.97	-7.81	39.84	46.16	54.00	74.00	-14.16	-27.84	Horizontal
2350.000	45.57	50.94	-7.79	37.78	43.15	54.00	74.00	-16.22	-30.85	Horizontal
2390.000	45.55	50.51	-7.53	38.02	42.98	54.00	74.00	-15.98	-31.02	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:	December 21, 2012	Temperature:	25°C
EUT:	2.4G Wireless Optical Mouse	Humidity:	50%
Model No.:	DS-2425	Power Supply:	DC 3.0V
Test Mode:	TX 2474.000MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.543	52.21	57.74	-7.37	44.84	50.37	54.00	74.00	-9.16	-23.63	Vertical
2493.000	43.18	48.43	-7.39	35.79	41.04	54.00	74.00	-18.21	-32.96	Vertical
2500.000	42.67	47.62	-7.40	35.27	40.22	54.00	74.00	-18.73	-33.78	Vertical
2483.564	52.47	58.92	-7.37	45.10	51.55	54.00	74.00	-8.90	-22.45	Horizontal
2493.000	44.96	49.77	-7.39	37.57	42.38	54.00	74.00	-16.43	-31.62	Horizontal
2500.000	41.21	46.28	-7.40	33.81	38.88	54.00	74.00	-20.19	-35.12	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:

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

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.

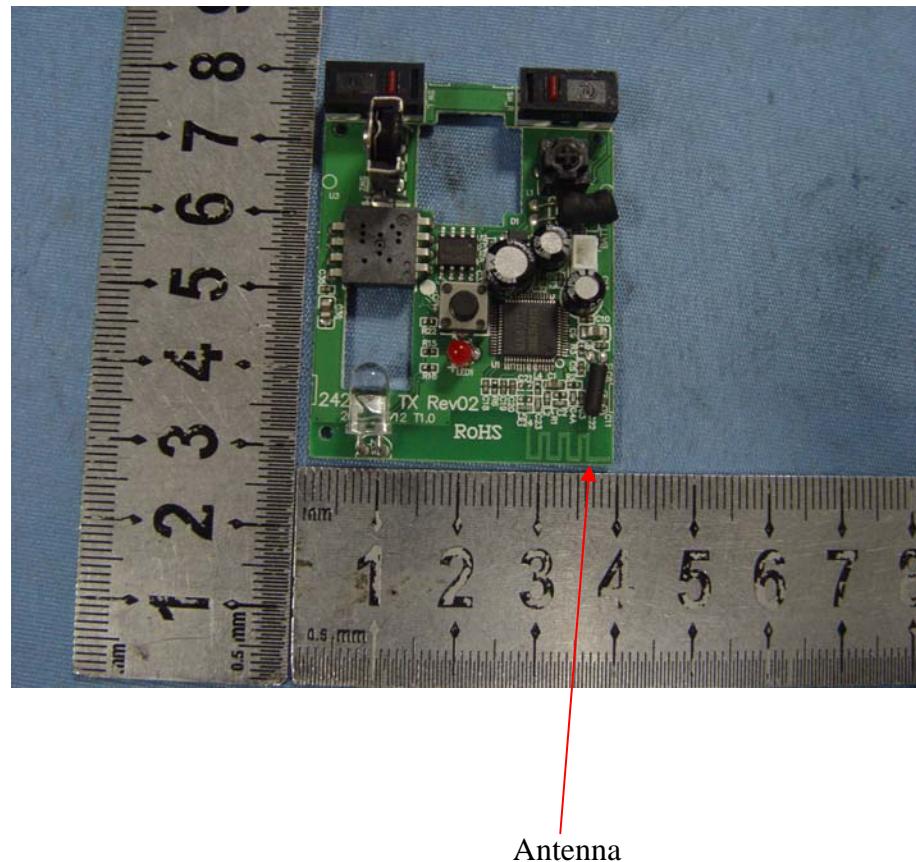
7. ANTENNA REQUIREMENT

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

The antenna is PCB Layout antenna, no consideration of replacement.



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

Job No.: Bob #4510

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC1.5V

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 20:31:57

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

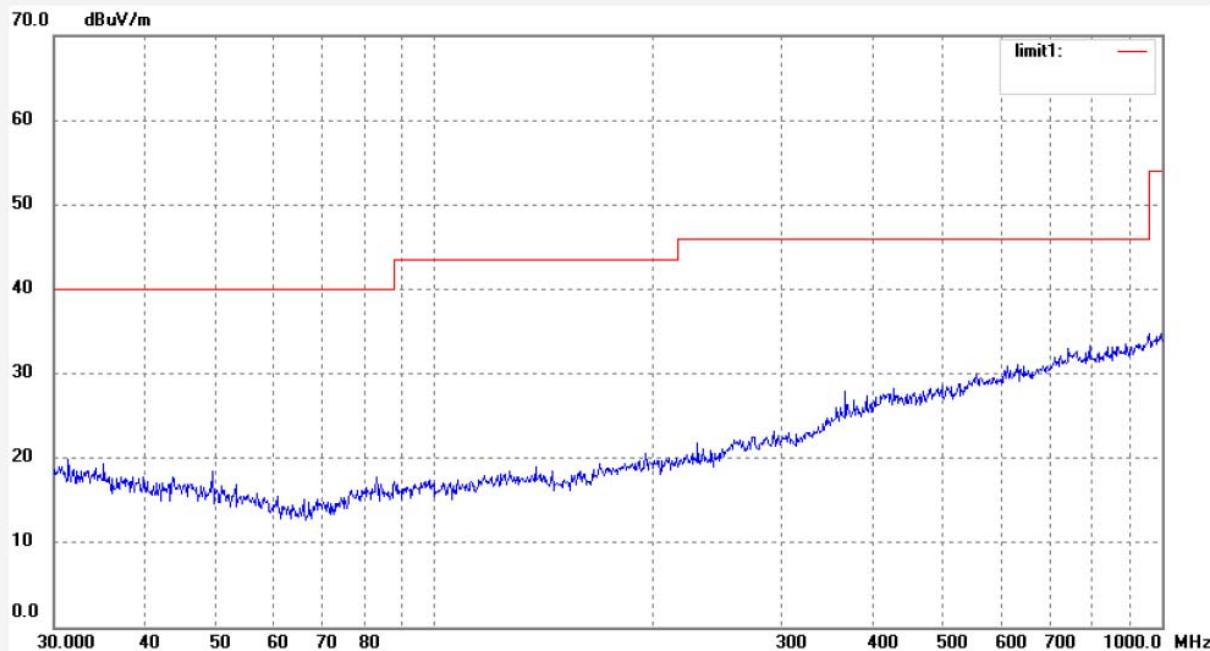
Mode: TX 2408

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #4511

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC1.5V

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 20:32:30

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

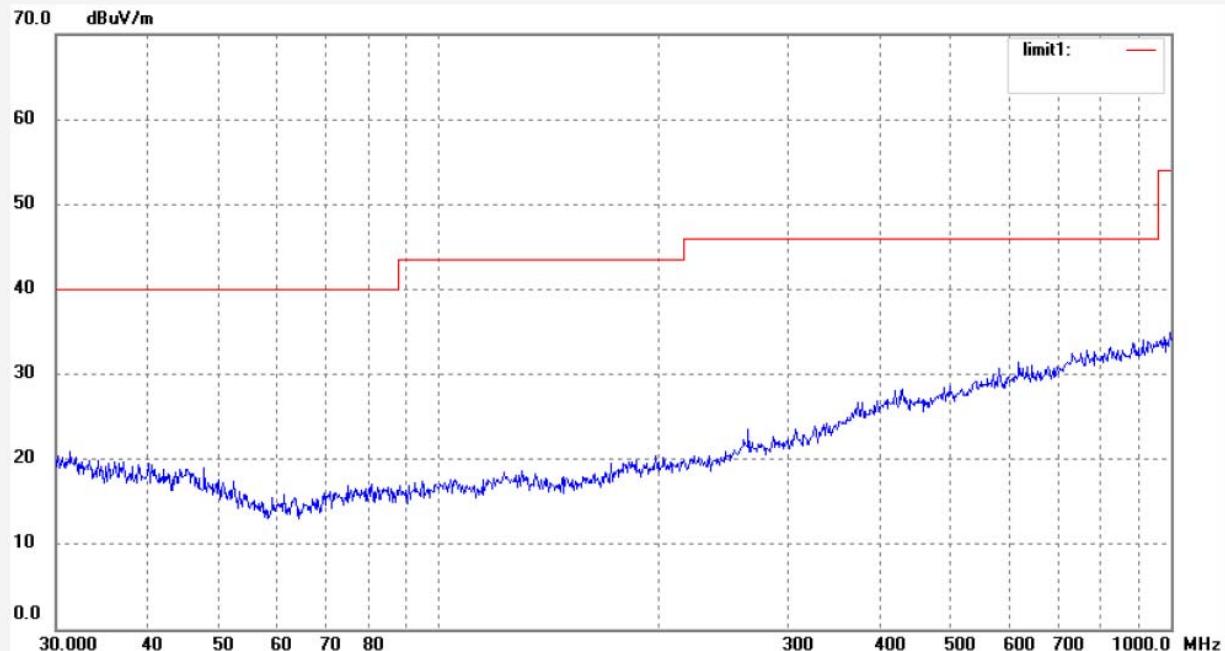
Mode: TX 2408

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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


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

 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: Bob #4181

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:05:42

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

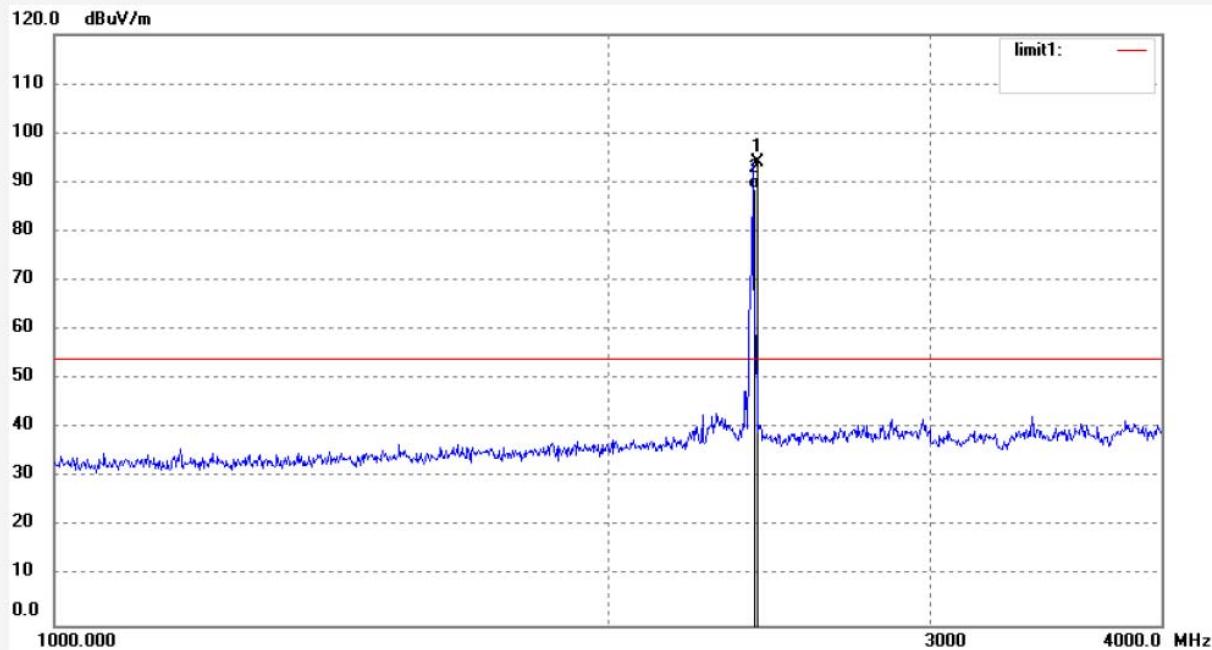
Mode: TX 2408MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2408.000	101.57	-7.44	94.13	114.00	-19.87	peak			
2	2408.000	96.05	-7.44	88.61	94.00	-5.39	AVG			


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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #4182

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: 2.4G Wireless Optical Mouse

Mode: TX 2408MHz

Model: DS-2425

Manufacturer: Eastern Times

Polarization: Vertical

Power Source: DC 1.5

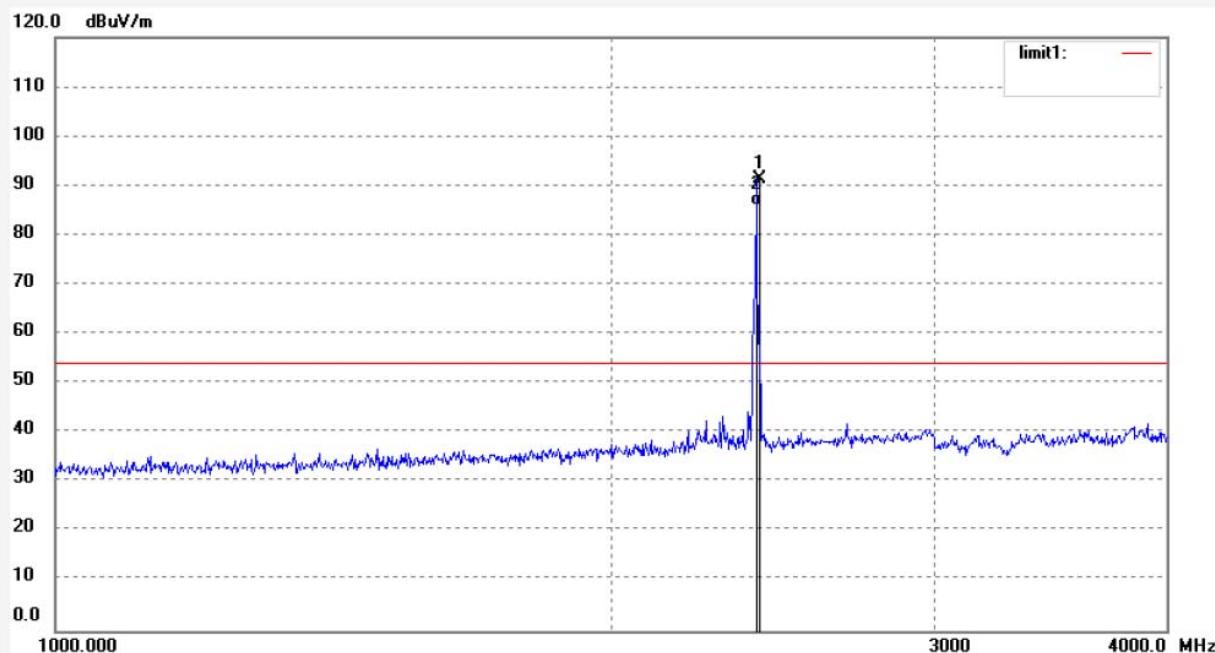
Date: 2012/12/21

Time: 14:07:21

Engineer Signature: Bob

Distance: 3m

Note: Report NO.:ATE20122844



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2408.000	98.76	-7.44	91.32	114.00	-22.68	peak			
2	2408.000	93.31	-7.44	85.87	94.00	-8.13	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #4185

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:14:16

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

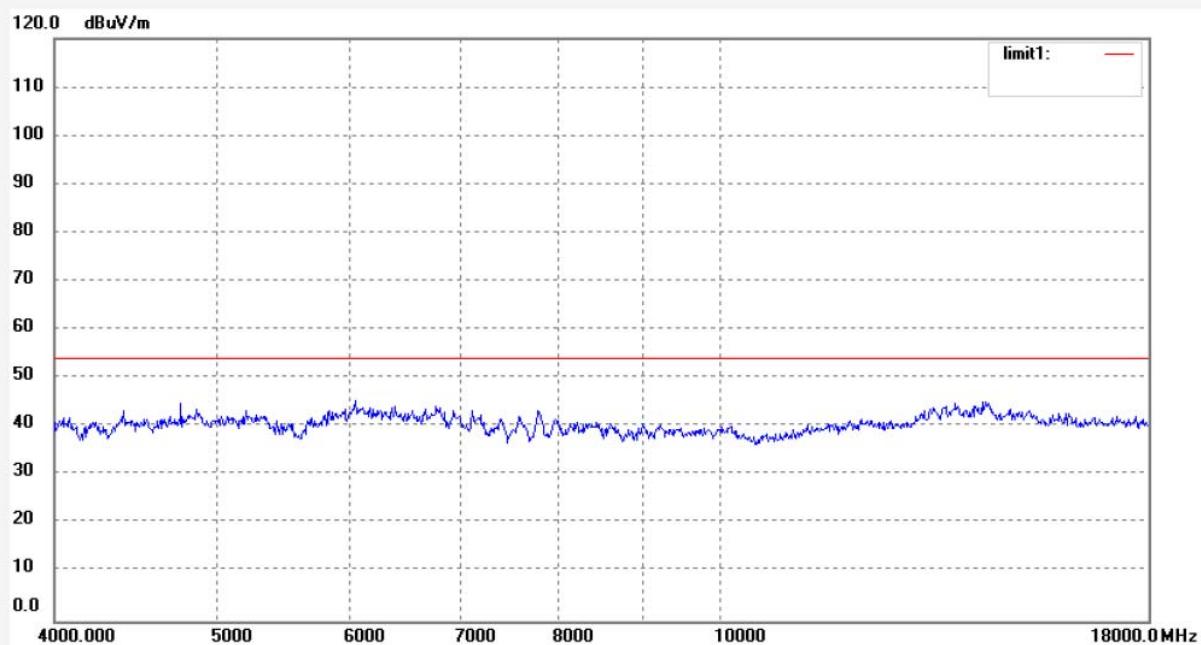
Mode: TX 2408MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #4186

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:15:56

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

Mode: TX 2408MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #4186

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:15:56

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

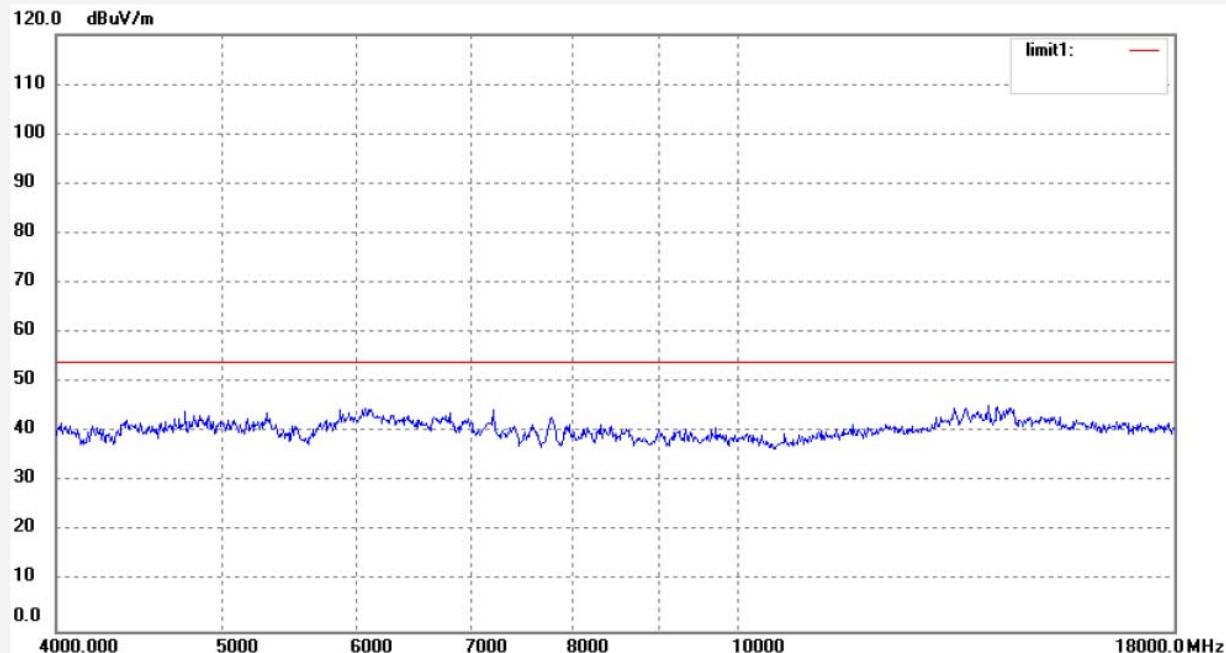
Mode: TX 2408MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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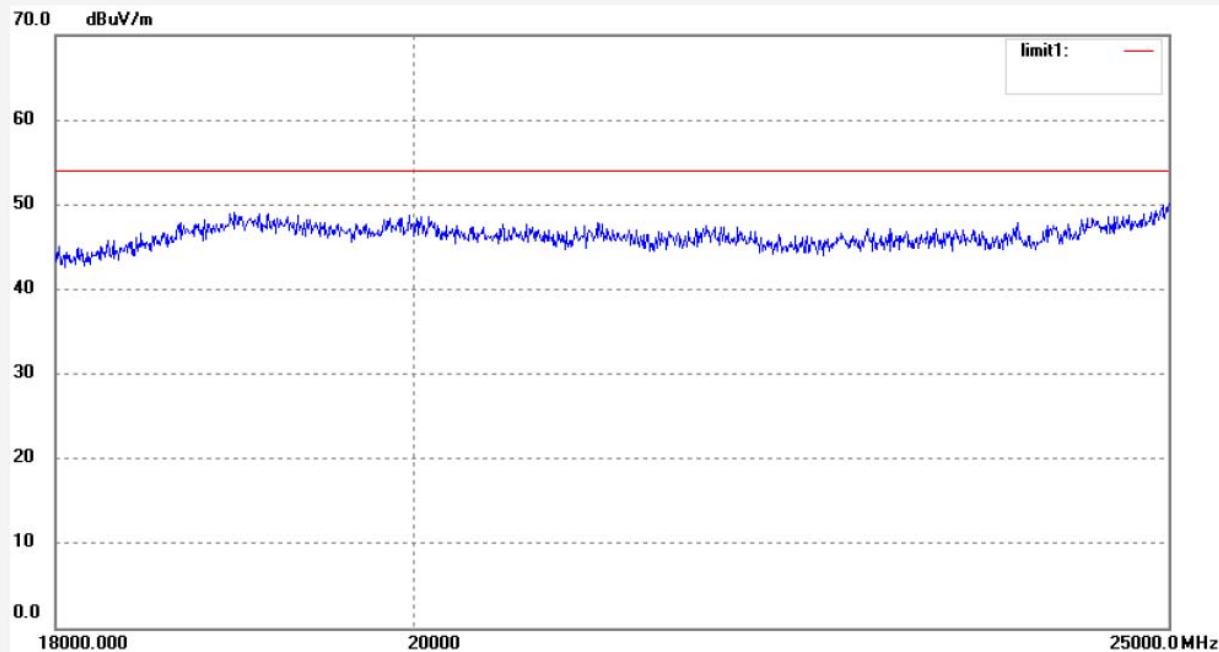

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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Bob #4518	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC1.5V
Test item: Radiation Test	Date: 2012/12/21
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 20:42:32
EUT: 2.4G Wireless Optical Mouse	Engineer Signature: Bob
Mode: TX 2408	Distance: 3m
Model: DS-2425	
Manufacturer: Eastern Times	

Note: Report No.:ATE20122844



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


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

Job No.: Bob #4512

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC1.5V

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 20:33:10

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

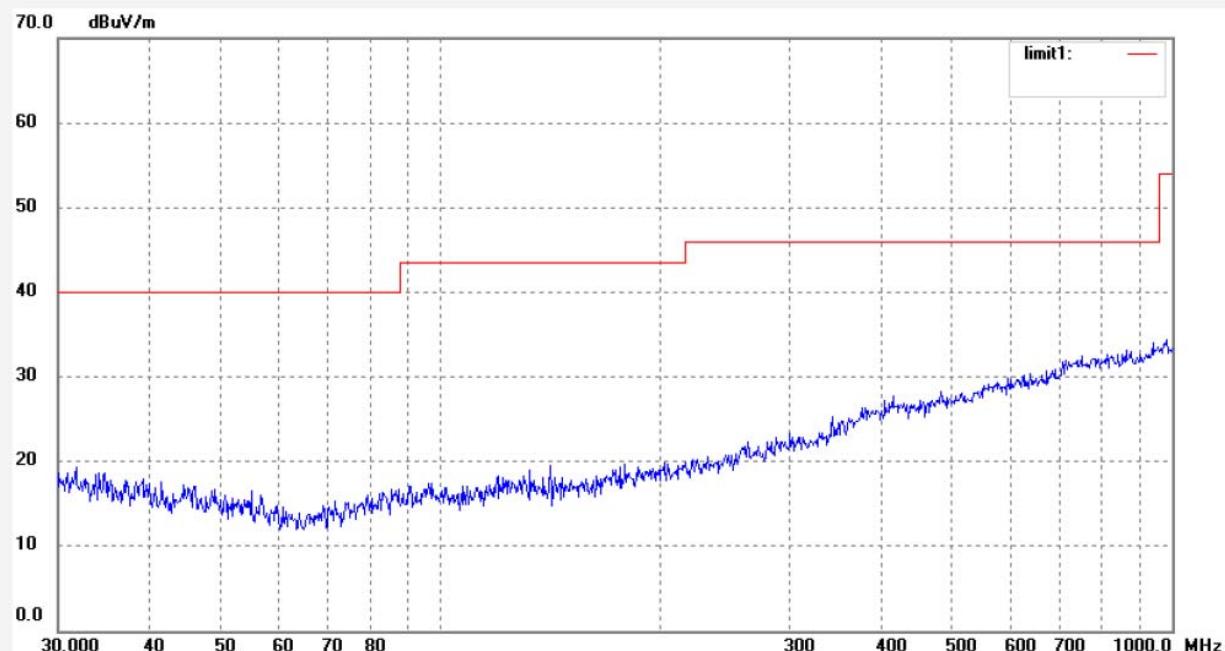
Mode: TX 2440

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #4513

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC1.5V

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 20:33:39

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

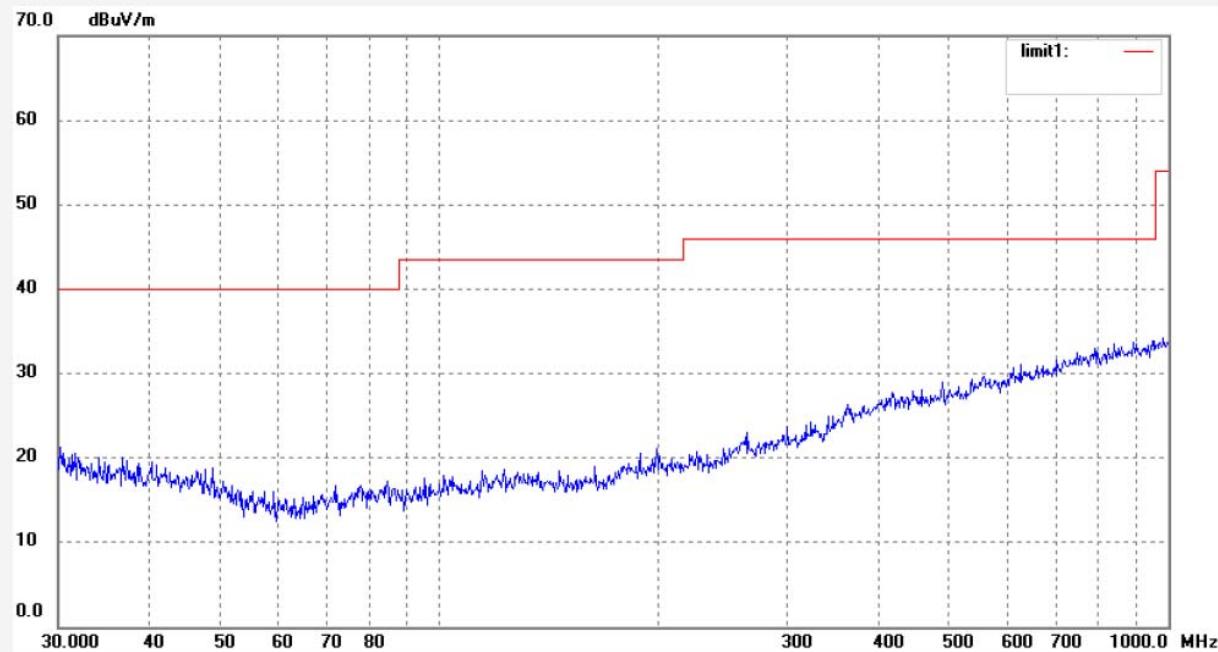
Mode: TX 2440

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #4189

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:20:32

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

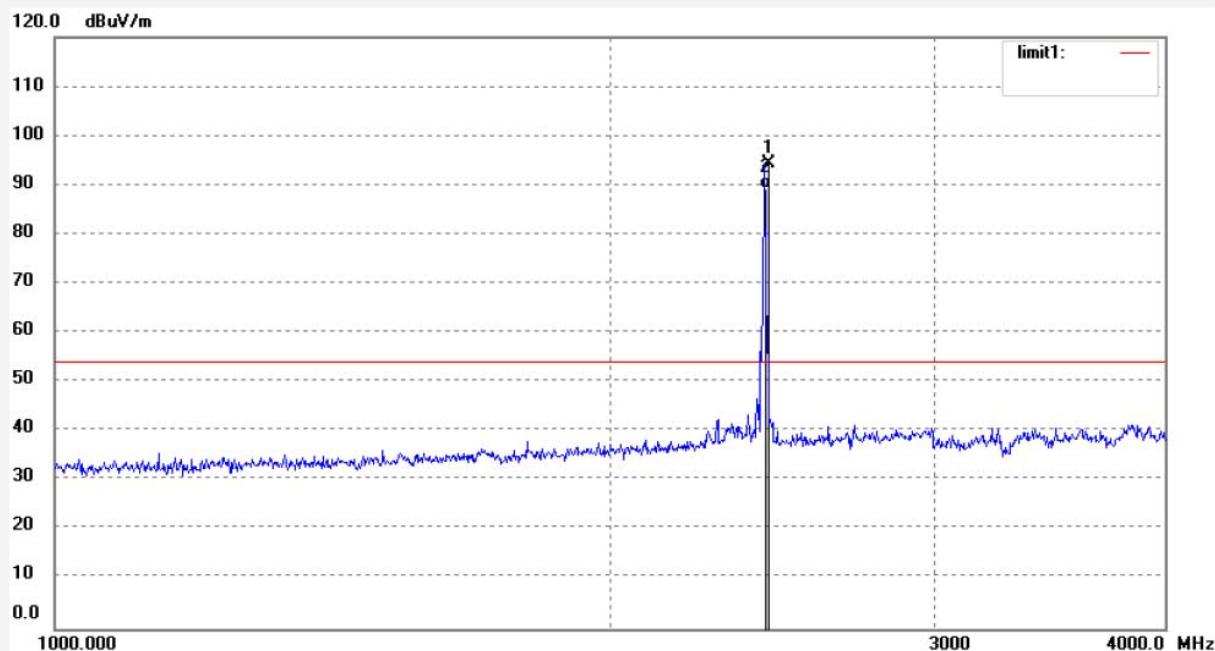
Mode: TX 2440MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	101.58	-7.36	94.22	114.00	-19.78	peak			
2	2440.000	96.66	-7.36	89.30	94.00	-4.70	AVG			


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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #4190

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:22:21

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

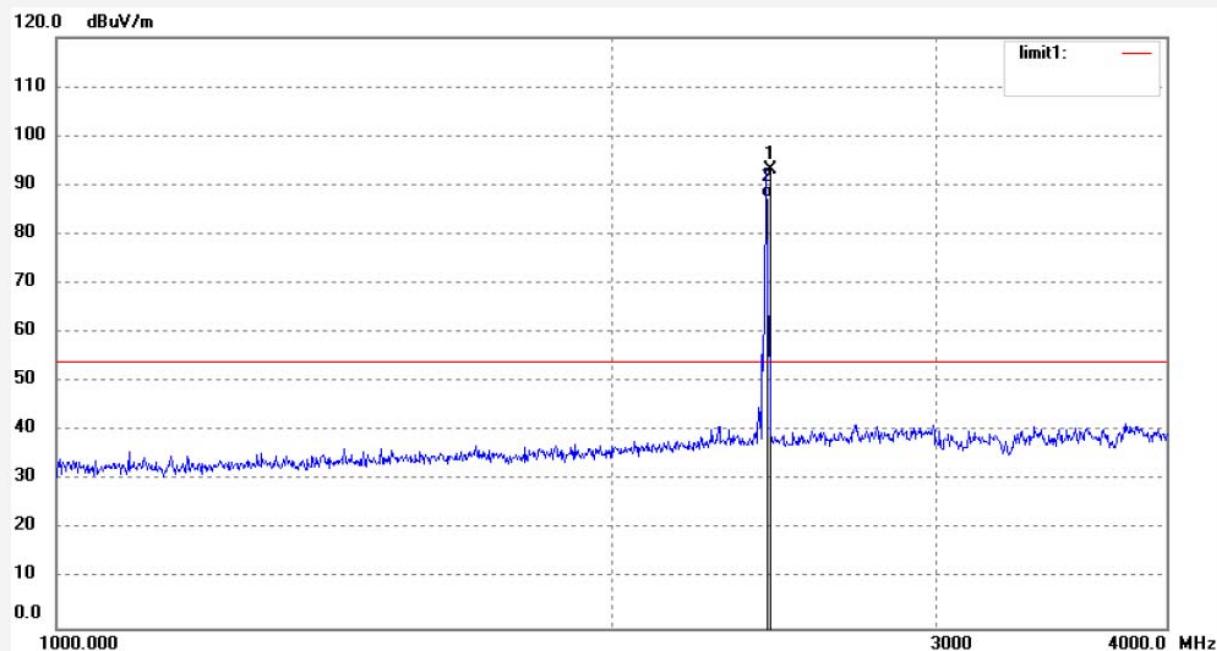
Mode: TX 2440MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	100.63	-7.36	93.27	114.00	-20.73	peak			
2	2440.000	94.95	-7.36	87.59	94.00	-6.41	AVG			


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

 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: Bob #4188

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:19:03

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

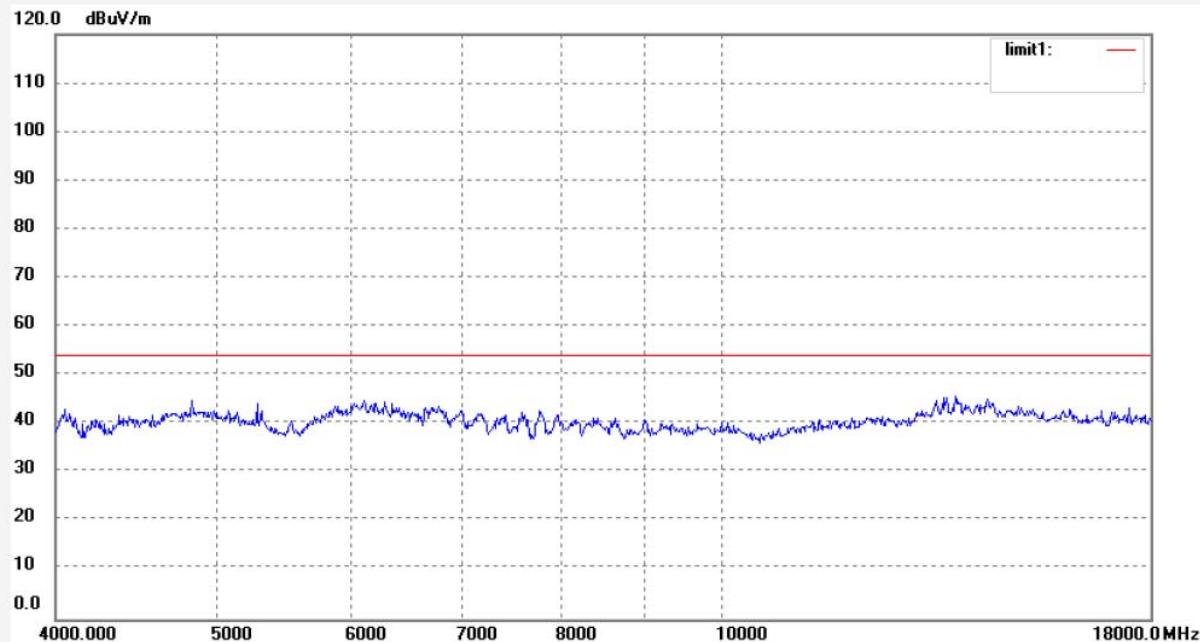
Mode: TX 2440MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #4187

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:17:22

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

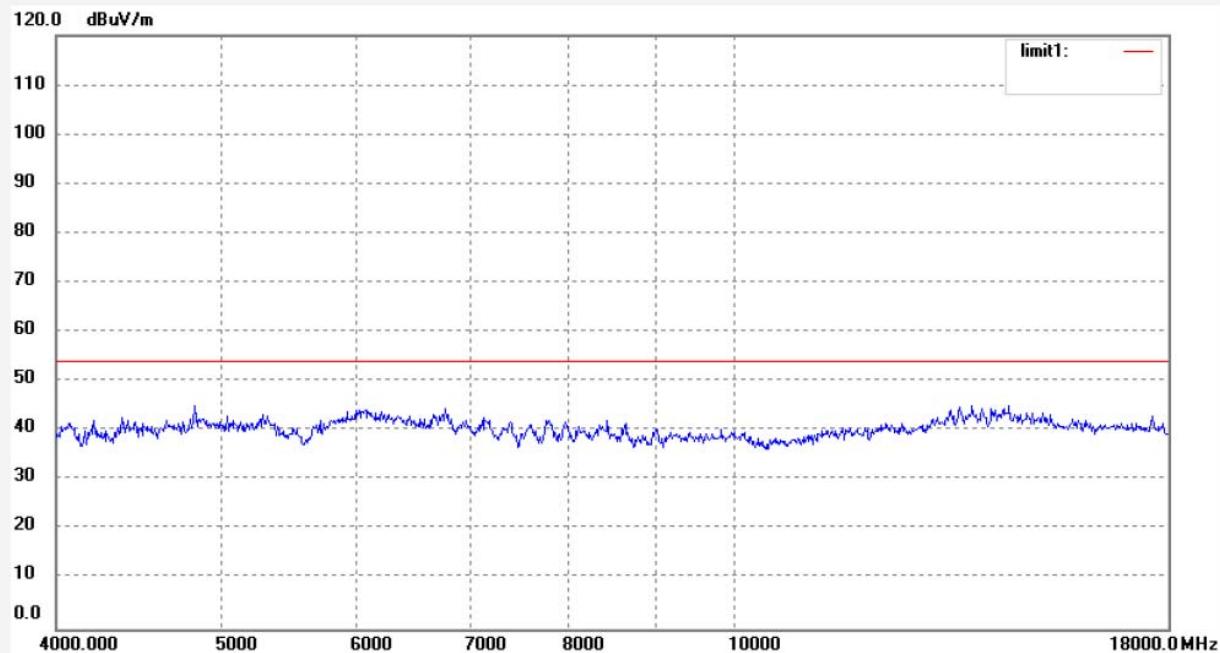
Mode: TX 2440MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



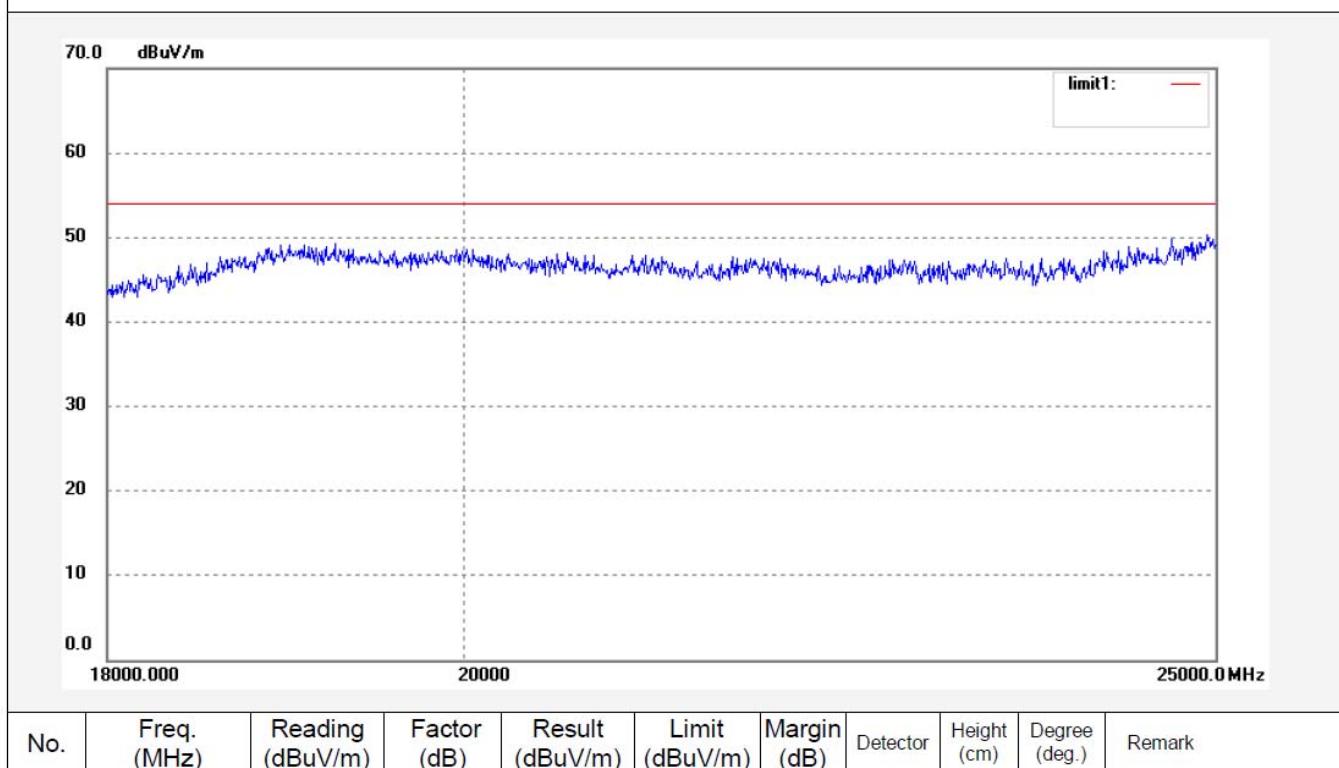
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
-----	----------------	---------------------	----------------	--------------------	-------------------	----------------	----------	----------------	------------------	--------


ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: Bob #4520	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC1.5V
Test item: Radiation Test	Date: 2012/12/21
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 20:49:26
EUT: 2.4G Wireless Optical Mouse	Engineer Signature: Bob
Mode: TX 2440	Distance: 3m
Model: DS-2425	
Manufacturer: Eastern Times	
Note: Report No.:ATE20122844	



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


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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #4519

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC1.5V

Test item: Radiation Test

Date: 2012/12/21

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

Time: 20:45:17

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

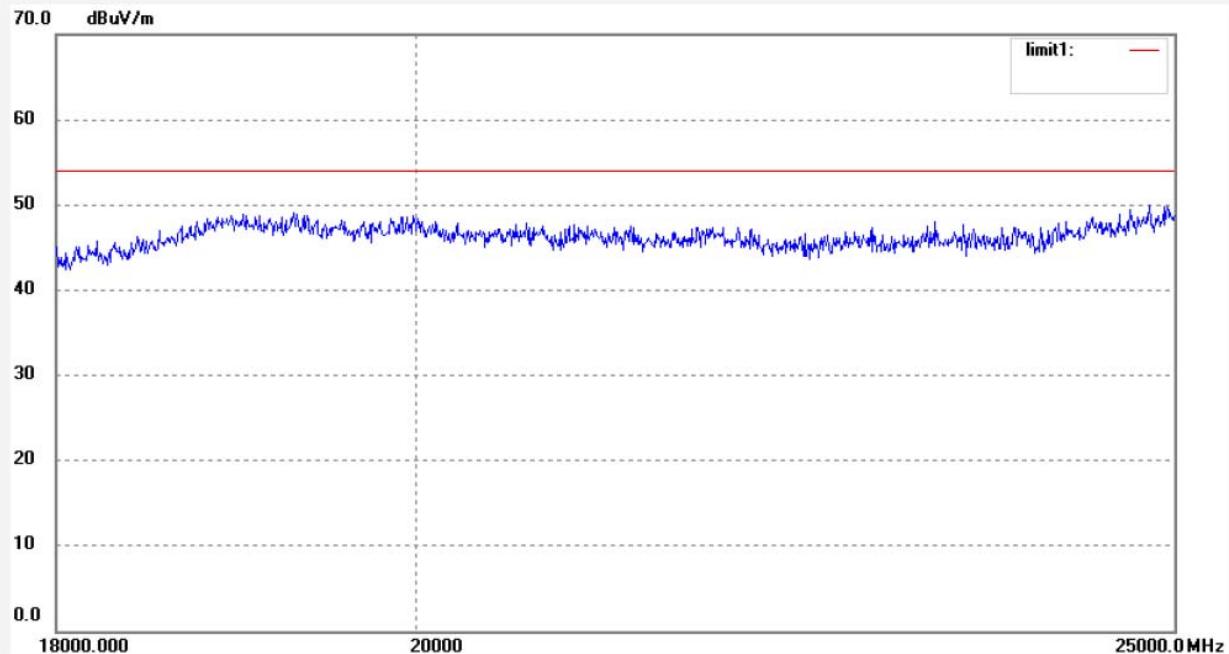
Mode: TX 2440

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report No.:ATE20122844



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


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #4514

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC1.5V

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 20:34:15

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

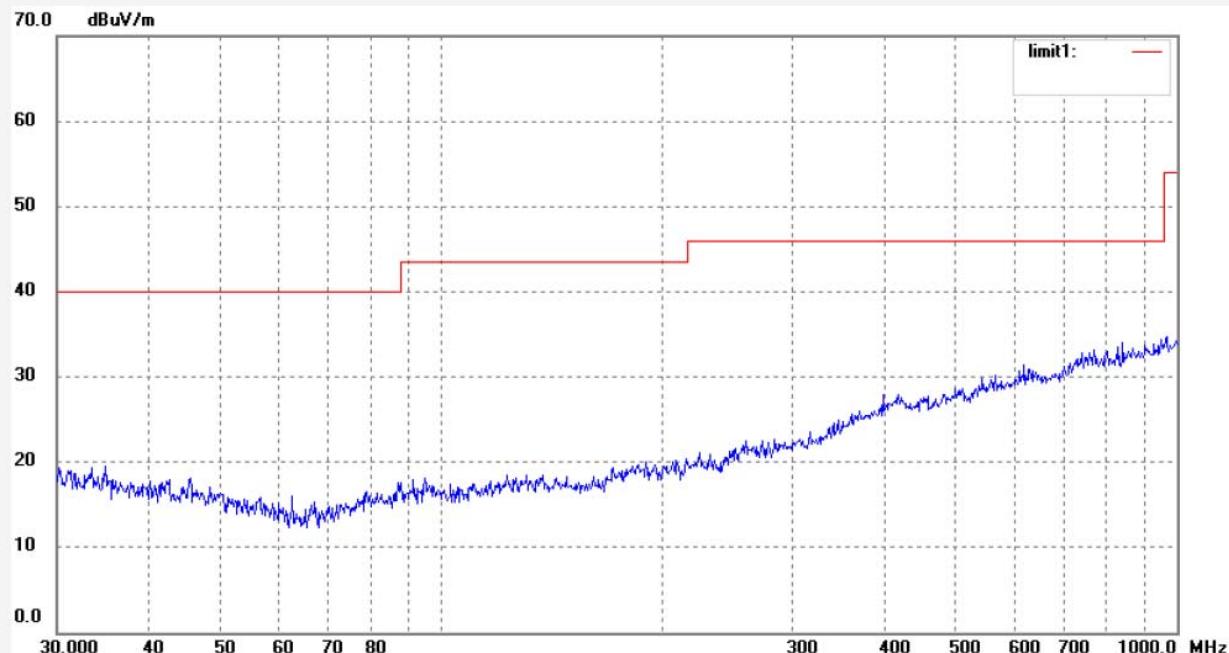
Mode: TX 2474

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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


ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: Bob #4516

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC1.5V

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 20:35:26

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

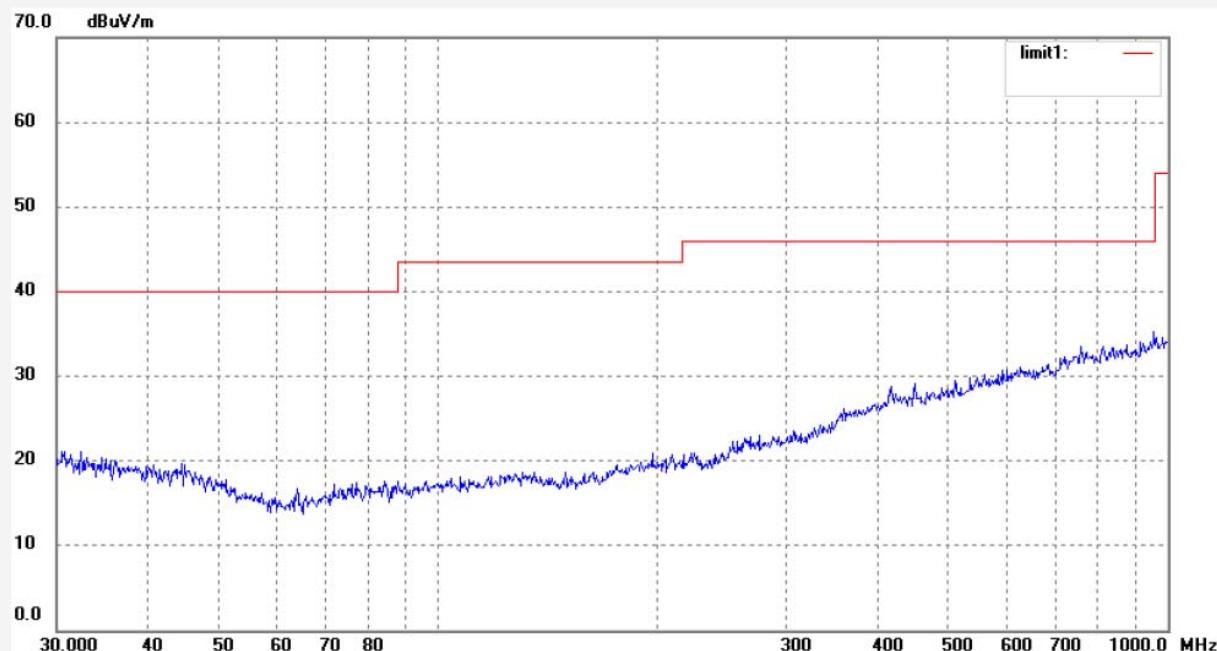
Mode: TX 2474

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #4192

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:26:16

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

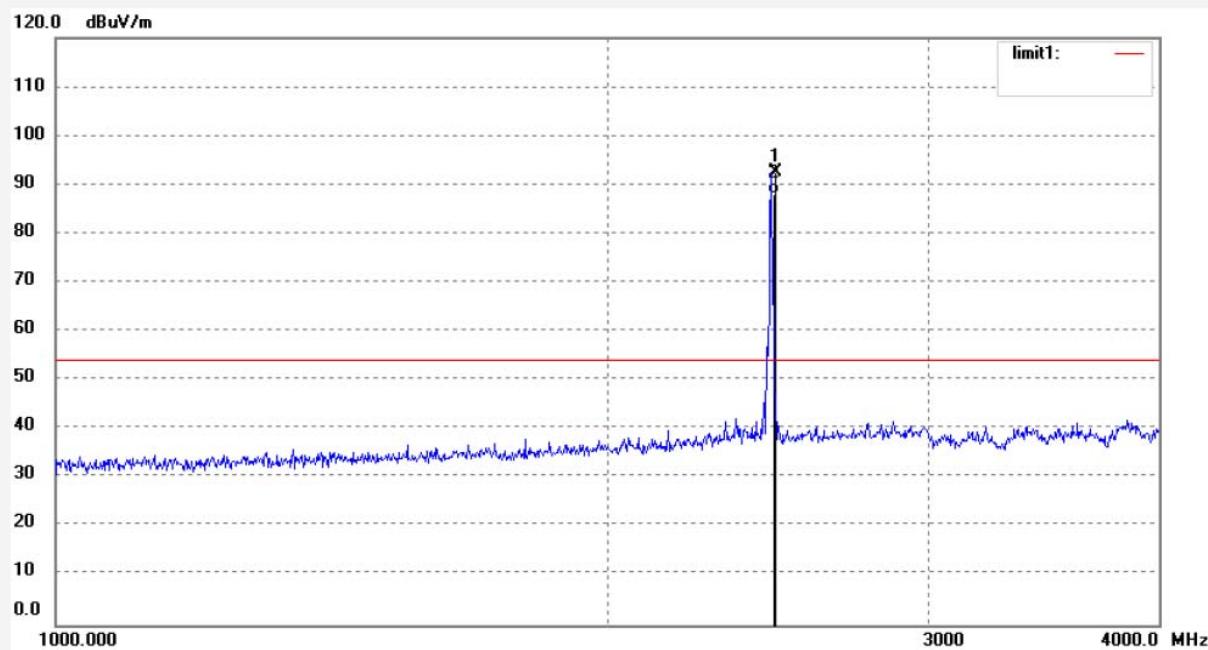
Mode: TX 2474MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2474.000	100.04	-7.37	92.67	114.00	-22.59	peak			
2	2474.000	95.47	-7.37	88.10	94.00	-5.76	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #4191

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:23:59

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

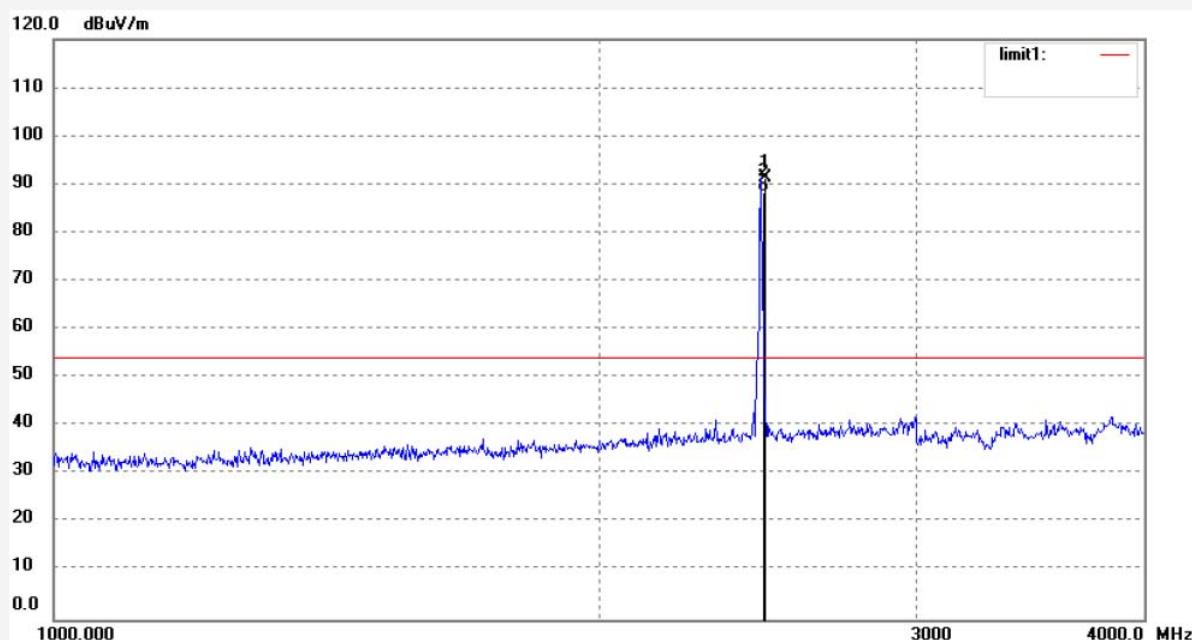
Mode: TX 2474MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



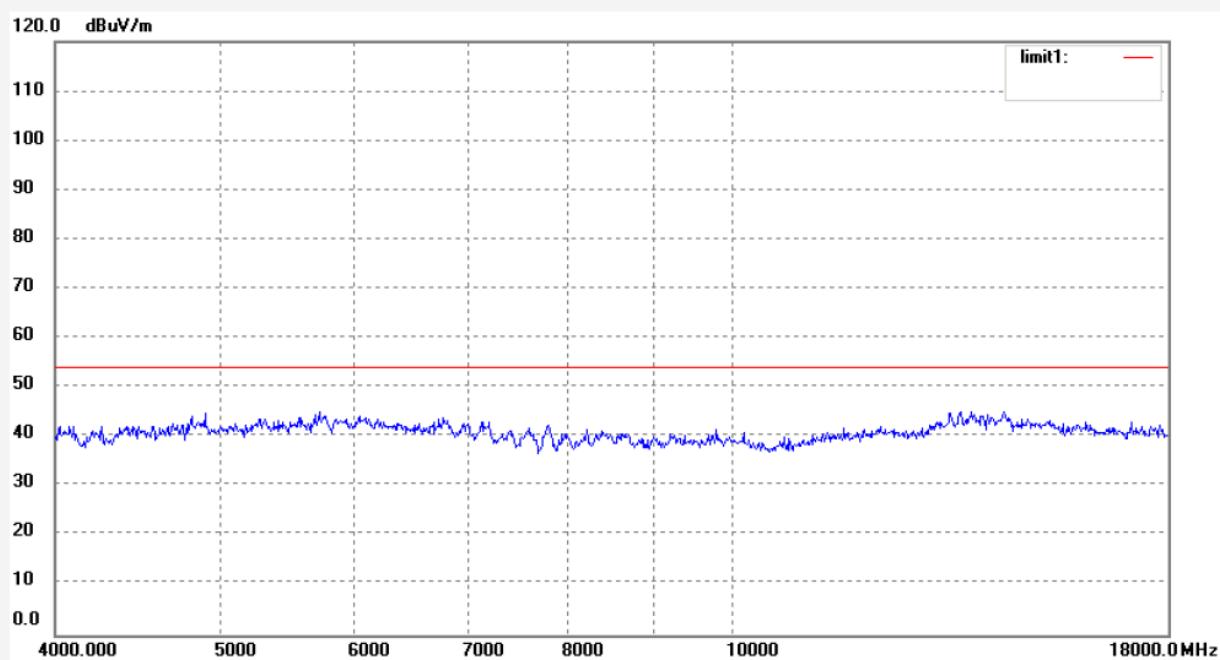
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2474.000	98.78	-7.37	91.41	114.00	-21.33	peak			
2	2474.000	95.61	-7.37	88.24	94.00	-5.90	AVG			


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

 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: Bob #4196	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 1.5
Test item: Radiation Test	Date: 2012/12/21
Temp.(C)/Hum.(%) 26 C / 60 %	Time: 14:38:35
EUT: 2.4G Wireless Optical Mouse	Engineer Signature: Bob
Mode: TX 2474MHz	Distance: 3m
Model: DS-2425	
Manufacturer: Eastern Times	
Note: Report NO.:ATE20122844	



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
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #4195

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:35:55

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

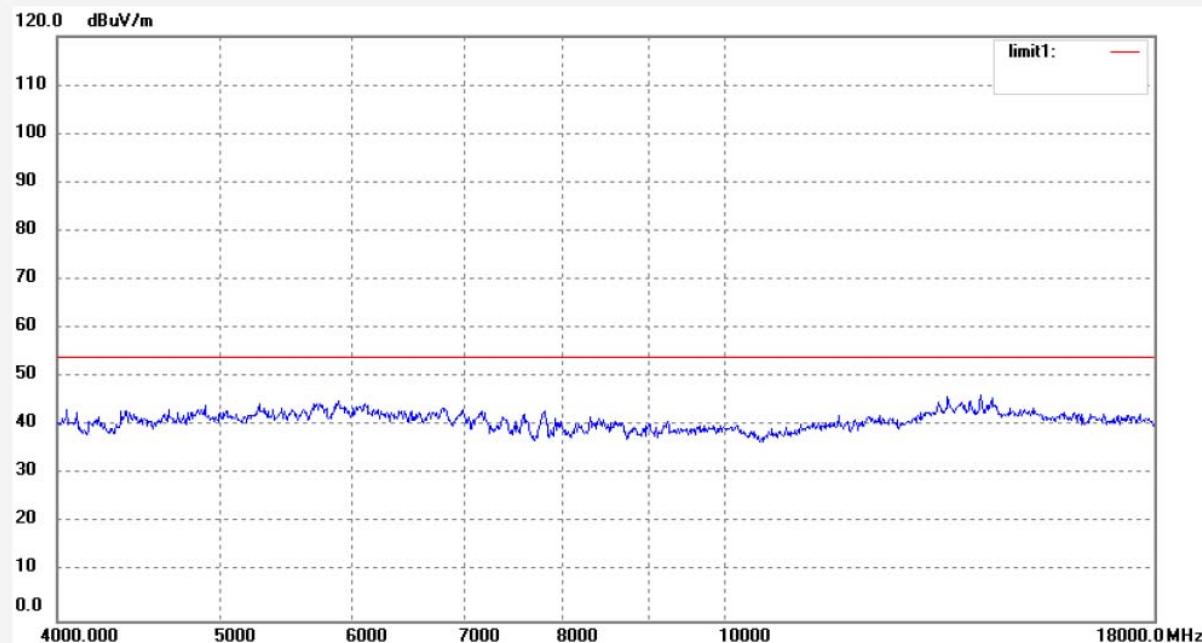
Mode: TX 2474MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



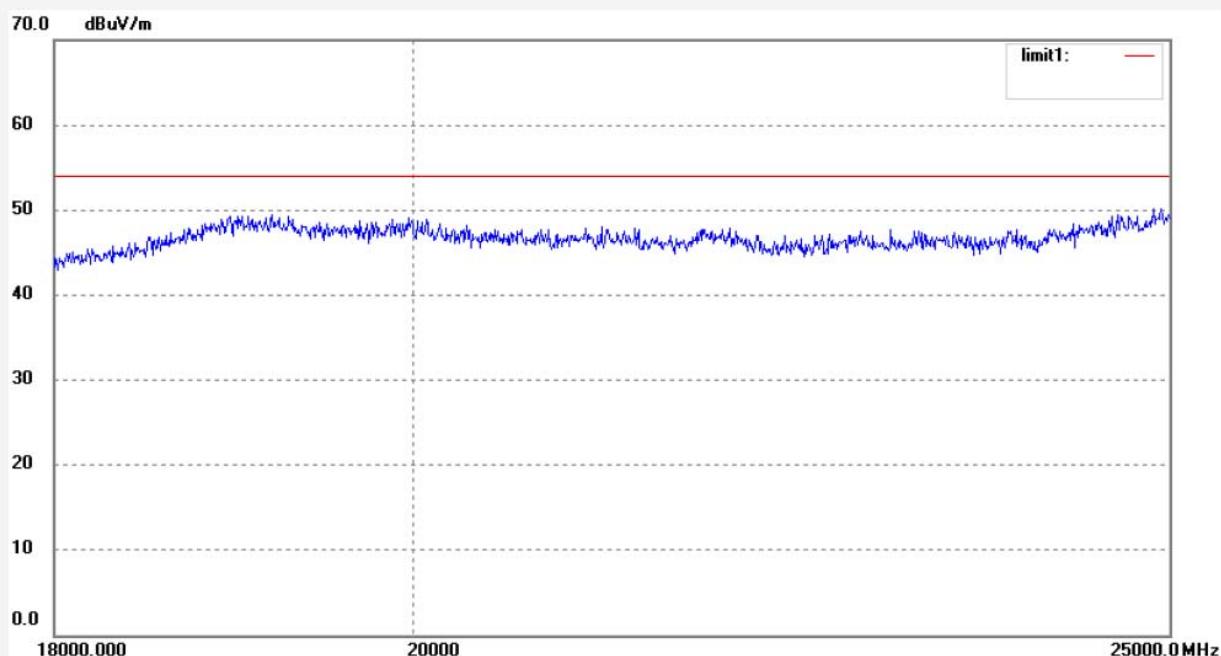
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 966 chamber
Tel:+86-0755-26503290
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Job No.: Bob #4521	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC1.5V
Test item: Radiation Test	Date: 2012/12/21
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 20:52:36
EUT: 2.4G Wireless Optical Mouse	Engineer Signature: Bob
Mode: TX 2474	Distance: 3m
Model: DS-2425	
Manufacturer: Eastern Times	
Note: Report No.:ATE20122844	



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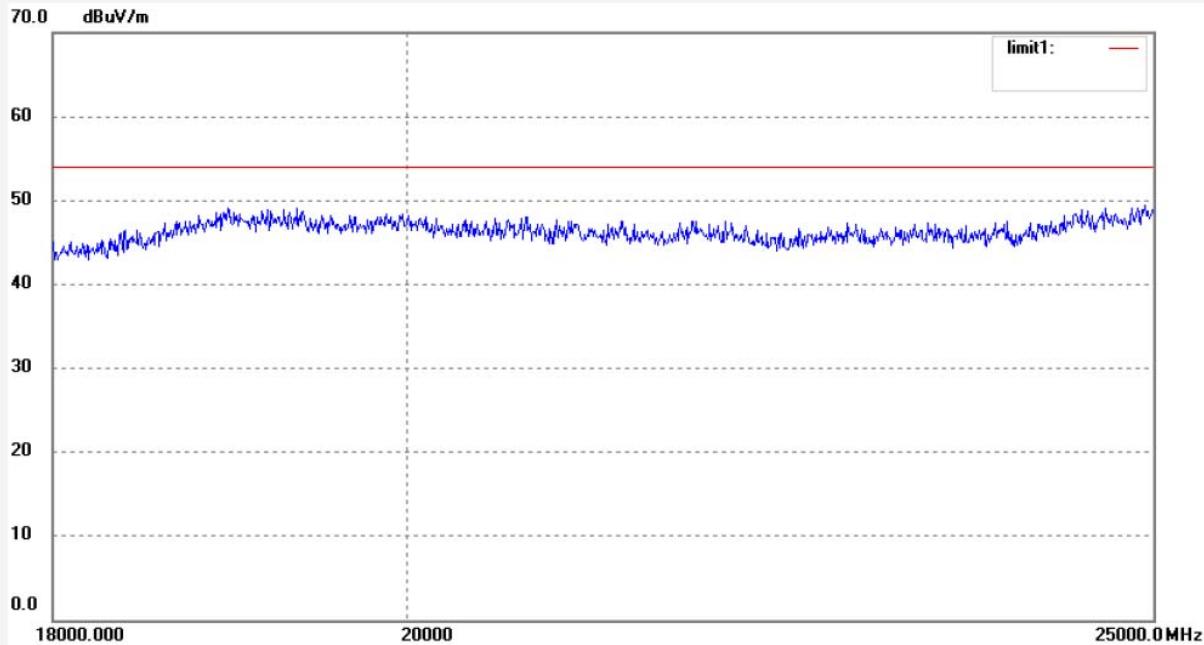

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 Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: Bob #4522	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC1.5V
Test item: Radiation Test	Date: 2012/12/21
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 20:58:26
EUT: 2.4G Wireless Optical Mouse	Engineer Signature: Bob
Mode: TX 2474	Distance: 3m
Model: DS-2425	
Manufacturer: Eastern Times	

Note: Report No.:ATE20122844



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 #4184

Polarization: Horizontal

Standard: FCC PK

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:11:52

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

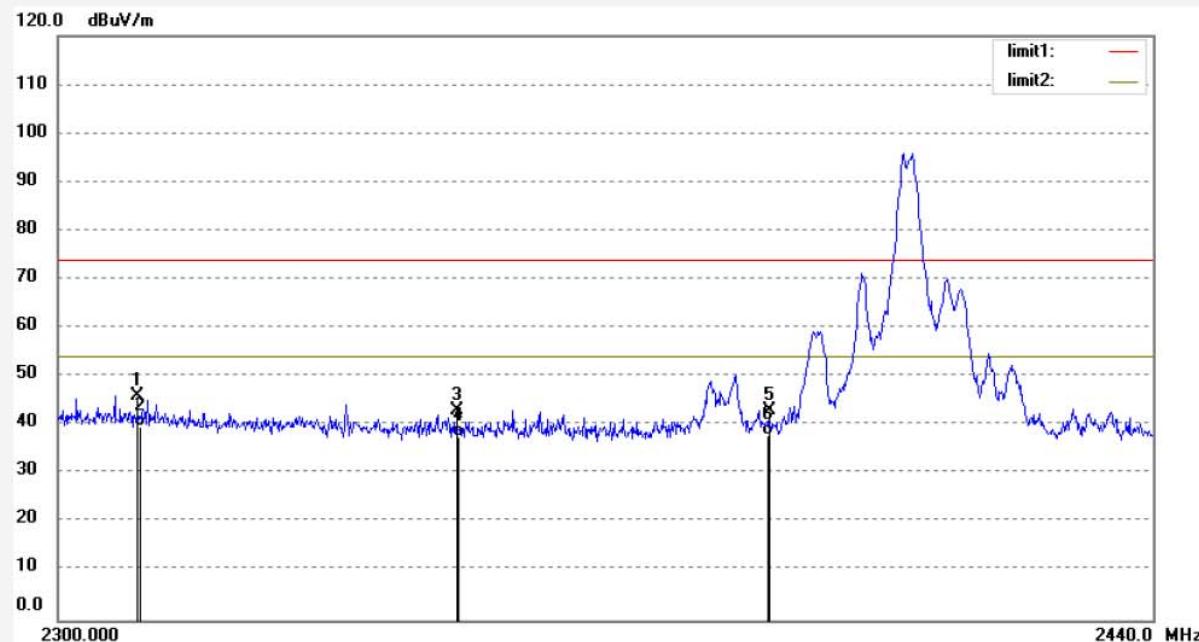
Mode: TX 2408MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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	53.97	-7.81	46.16	74.00	-27.84	peak			
2	2310.000	47.65	-7.81	39.84	54.00	-14.16	AVG			
3	2350.000	50.94	-7.79	43.15	74.00	-30.85	peak			
4	2350.000	45.57	-7.79	37.78	54.00	-16.22	AVG			
5	2390.000	50.51	-7.53	42.98	74.00	-31.02	peak			
6	2390.000	45.55	-7.53	38.02	54.00	-15.98	AVG			


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Fax:+86-0755-26503396

Job No.: Bob #4183

Polarization: Vertical

Standard: FCC PK

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:09:36

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

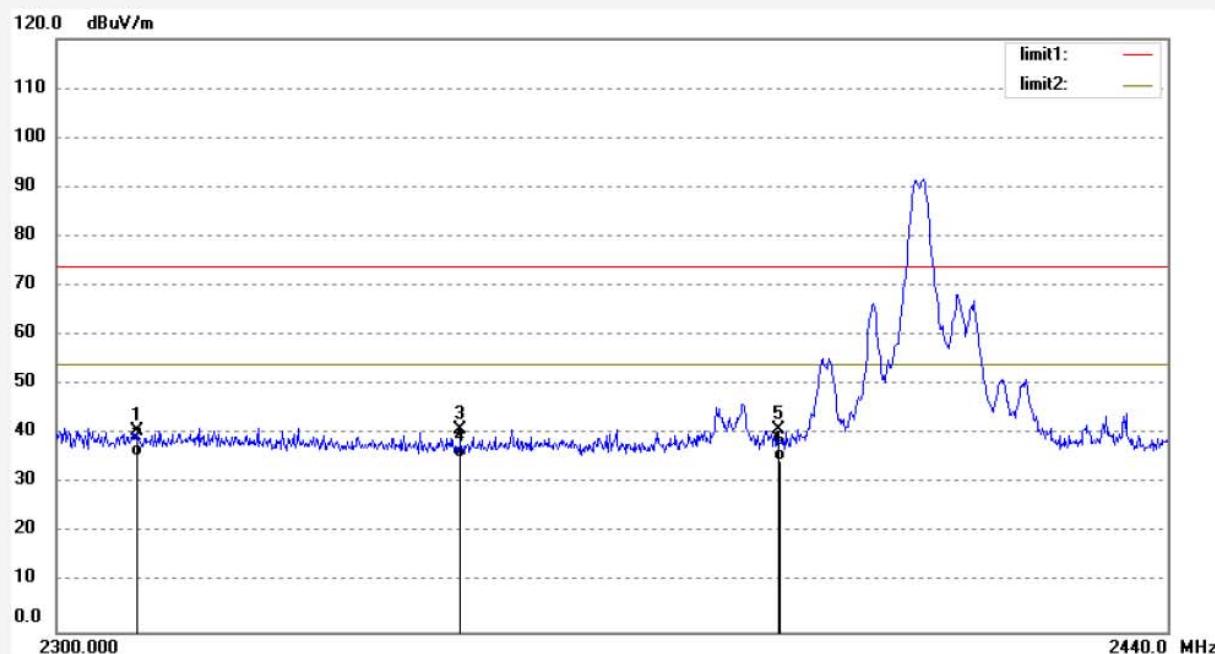
Mode: TX 2408MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



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	48.58	-7.81	40.77	74.00	-33.23	peak			
2	2310.000	43.31	-7.81	35.50	54.00	-18.50	AVG			
3	2350.000	48.73	-7.79	40.94	74.00	-33.06	peak			
4	2350.000	43.05	-7.79	35.26	54.00	-18.74	AVG			
5	2390.000	48.50	-7.53	40.97	74.00	-33.03	peak			
6	2390.000	42.29	-7.53	34.76	54.00	-19.24	AVG			


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

Job No.: Bob #4193

Polarization: Horizontal

Standard: FCC PK

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:28:36

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

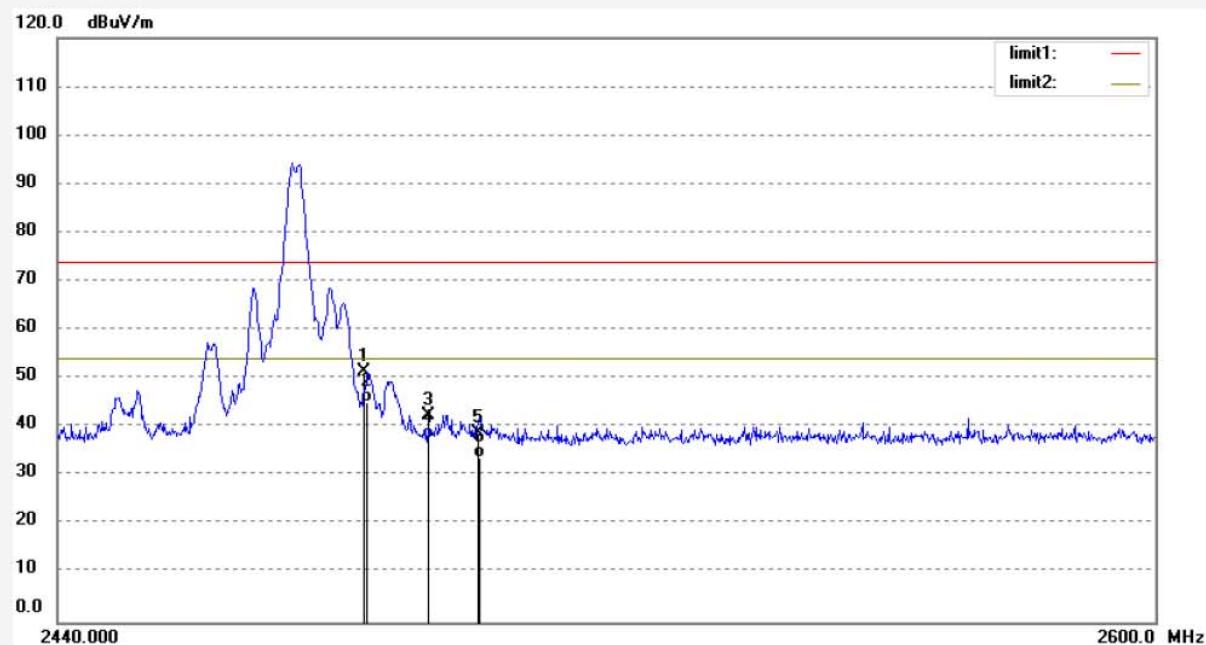
Mode: TX 2474MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.564	58.92	-7.37	51.55	74.00	-22.45	peak			
2	2483.564	52.47	-7.37	45.10	54.00	-8.90	AVG			
3	2493.000	49.77	-7.39	42.38	74.00	-31.62	peak			
4	2493.000	44.96	-7.39	37.57	54.00	-16.43	AVG			
5	2500.000	46.28	-7.40	38.88	74.00	-35.12	peak			
6	2500.000	41.21	-7.40	33.81	54.00	-20.19	AVG			


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

Job No.: Bob #4194

Polarization: Vertical

Standard: FCC PK

Power Source: DC 1.5

Test item: Radiation Test

Date: 2012/12/21

Temp.(C)/Hum.(%) 26 C / 60 %

Time: 14:31:44

EUT: 2.4G Wireless Optical Mouse

Engineer Signature: Bob

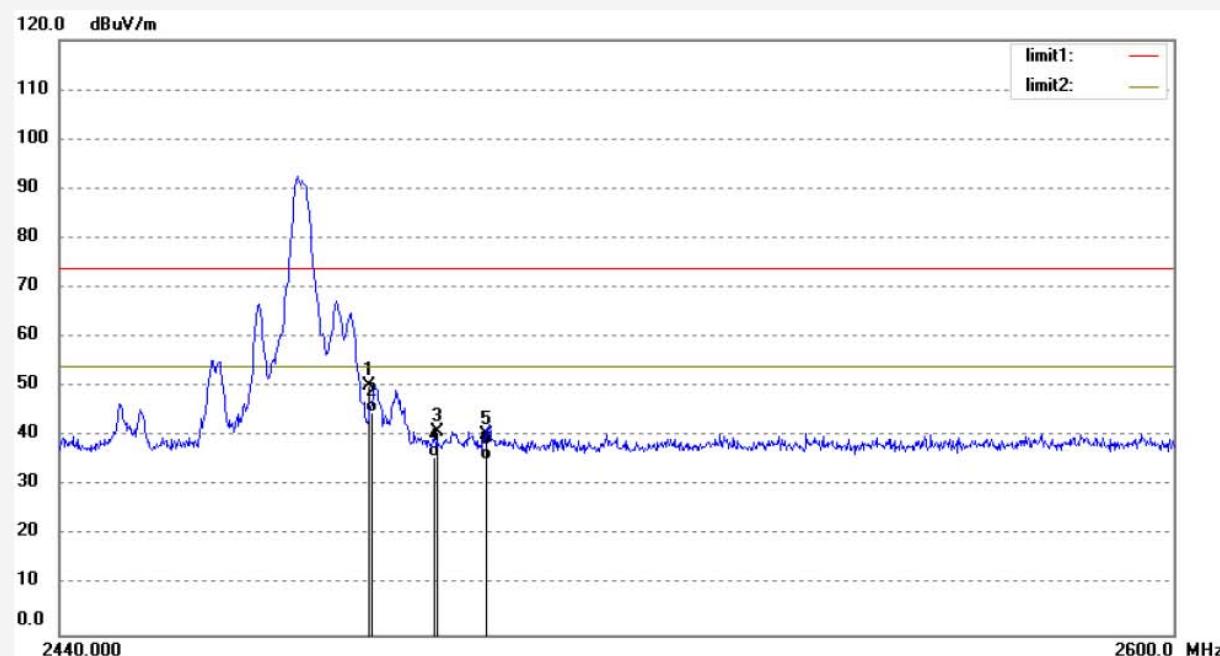
Mode: TX 2474MHz

Distance: 3m

Model: DS-2425

Manufacturer: Eastern Times

Note: Report NO.:ATE20122844



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.543	57.74	-7.37	50.37	74.00	-23.63	peak			
2	2483.543	52.21	-7.37	44.84	54.00	-9.16	AVG			
3	2493.000	48.43	-7.39	41.04	74.00	-32.96	peak			
4	2493.000	43.18	-7.39	35.79	54.00	-18.21	AVG			
5	2500.000	47.62	-7.40	40.22	74.00	-33.78	peak			
6	2500.000	42.67	-7.40	35.27	54.00	-18.73	AVG			