FCC CERTIFICATION
On Behalf of
Comat Electronic (Shenzhen) Co., Ltd.

2.4G Wireless Mouse
Model No.: CM9135G

FCC ID: RTX-CM9135G

Prepared for	:	Comat Electronic (Shenzhen) Co., Ltd.
Address	:	No.2 Lane 1, Xin'an 3rd 28 District, Baoan, Shenzhen, China
Prepared by	:	ACCURATE TECHNOLOGY CO. LTD
Address	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China
		Tel: (0755) 26503290
		Fax: (0755) 26503396

Report Number	:	ATE20121913
Date of Test	:	August 18-31, 2012
Date of Report	:	September 5, 2012

TABLE OF CONTENTS

Description Page

Test Report Certification

Applicant	:	Comat Electronic (Shenzhen) Co., Ltd.
Manufacturer	:	Comat Electronic (Shenzhen) Co., Ltd.
EUT Description	:	2.4G Wireless Mouse
		(A) MODEL NO.: CM9135G
		(B) POWER SUPPLY: 3V DC ("AAA" batteries 2×)

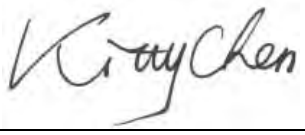
Measurement Procedure Used:

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

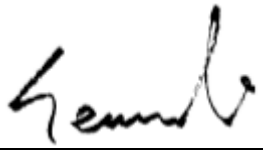
The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section15.249 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

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

Date of Test : August 18-31, 2012

Prepared by : 

(Kitty Chen, Engineer)

Approved & Authorized Signer : 

(Sean Liu, Manager)

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT	:	2.4G Wireless Mouse
Model Number	:	CM9135G
Trade Name	:	COMAT
Power Supply	:	3V DC (“AAA” batteries 2×)
Operate Frequency	:	2408.000-2474.000MHz
Applicant	:	Comat Electronic (Shenzhen) Co., Ltd.
Address	:	No.2 Lane 1, Xin’an 3rd 28 District, Baoan, Shenzhen, China
Manufacturer	:	Comat Electronic (Shenzhen) Co., Ltd.
Address	:	No.2 Lane 1, Xin’an 3rd 28 District, Baoan, Shenzhen, China
Date of sample received	:	August 17, 2012
Date of Test	:	August 18-31, 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 (9kHz-30MHz)	=	3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	=	4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	=	4.06dB, k=2

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

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

3. 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)

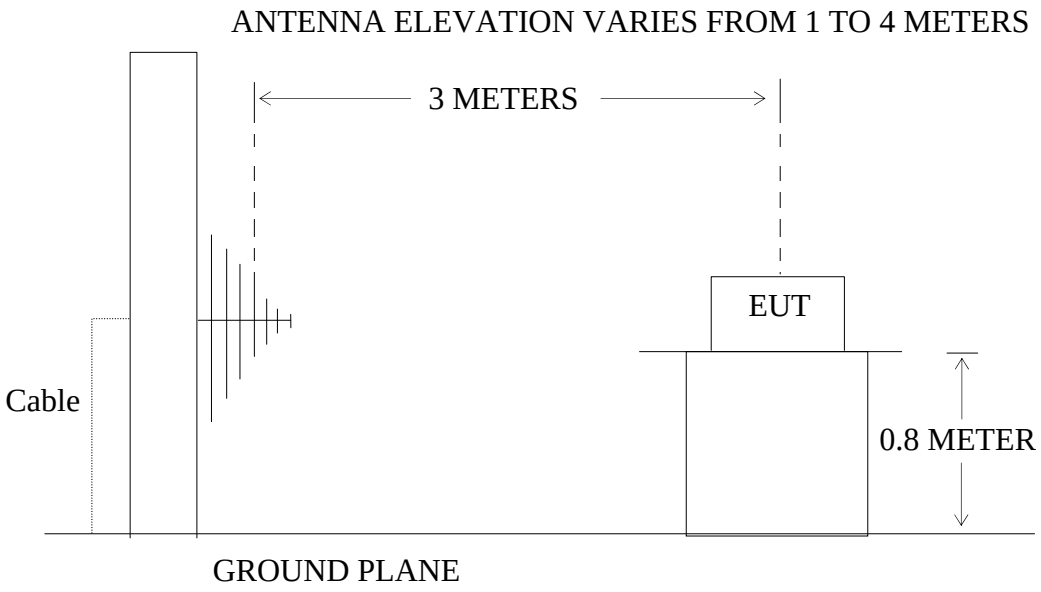
4.1.Block Diagram of Test Setup

4.1.1.Block diagram of connection between the EUT and simulators

EUT

(EUT: 2.4G Wireless Mouse)

4.1.2.Semi-Anechoic Chamber Test Setup Diagram



(EUT: 2.4G Wireless 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 dBμV/m and the harmonics shall not exceed 54 dBμV/m.

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

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

4.3.Configuration of EUT on Measurement

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

4.3.1. 2.4G Wireless Mouse (EUT)

Model Number : CM9135G
Serial Number : N/A
Manufacturer : Comat Electronic (Shenzhen) 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. 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:	August 18, 2012	Temperature:	25°C
EUT:	2.4G Wireless Mouse	Humidity:	50%
Model No.:	CM9135G	Power Supply:	DC 3V
Test Mode:	TX 2408.000MHz	Test Engineer:	Star

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	
2408.000	88.15	93.53	-7.44	80.71	86.09	94.00	114.00	-13.29	-27.91	Vertical
2408.000	89.36	95.62	-7.44	81.92	88.18	94.00	114.00	-12.08	-25.82	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	
4816.000	45.15	49.75	-0.23	44.92	49.52	54.00	74.00	-9.08	-24.48	Vertical
4816.000	43.28	47.86	-0.23	43.05	47.63	54.00	74.00	-10.95	-26.37	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:	August 18, 2012	Temperature:	25°C
EUT:	2.4G Wireless Mouse	Humidity:	50%
Model No.:	CM9135G	Power Supply:	DC 3V
Test Mode:	TX 2440.000MHz	Test Engineer:	Star

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	
2440.000	88.74	93.54	-7.36	81.38	86.18	94.00	114.00	-12.62	-27.82	Vertical
2440.000	90.02	95.23	-7.36	82.66	87.87	94.00	114.00	-11.34	-26.13	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	
4880.000	44.66	48.27	0.13	44.79	48.40	54.00	74.00	-9.21	-25.60	Vertical
4880.000	42.58	46.82	0.13	42.71	46.95	54.00	74.00	-11.29	-27.05	Horizontal

Note:

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

   Result = Reading + Corrected Factor

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

Date of Test:	August 18, 2012	Temperature:	25°C
EUT:	2.4G Wireless Mouse	Humidity:	50%
Model No.:	CM9135G	Power Supply:	DC 3V
Test Mode:	TX 2474.000MHz	Test Engineer:	Star

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	
2474.000	88.15	94.24	-7.37	80.78	86.87	94.00	114.00	-13.22	-11.38	Vertical
2474.000	89.99	95.42	-7.37	82.62	88.05	94.00	114.00	-11.38	-25.95	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	
4948.000	42.05	45.70	0.46	42.51	46.16	54.00	74.00	-11.49	-27.84	Vertical
4948.000	44.58	47.46	0.46	45.04	47.92	54.00	74.00	-8.96	-26.08	Horizontal

Note:

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

   Result = Reading + Corrected Factor

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

5. SPURIOUS RADIATED EMISSION FOR SECTION 15.249(D)

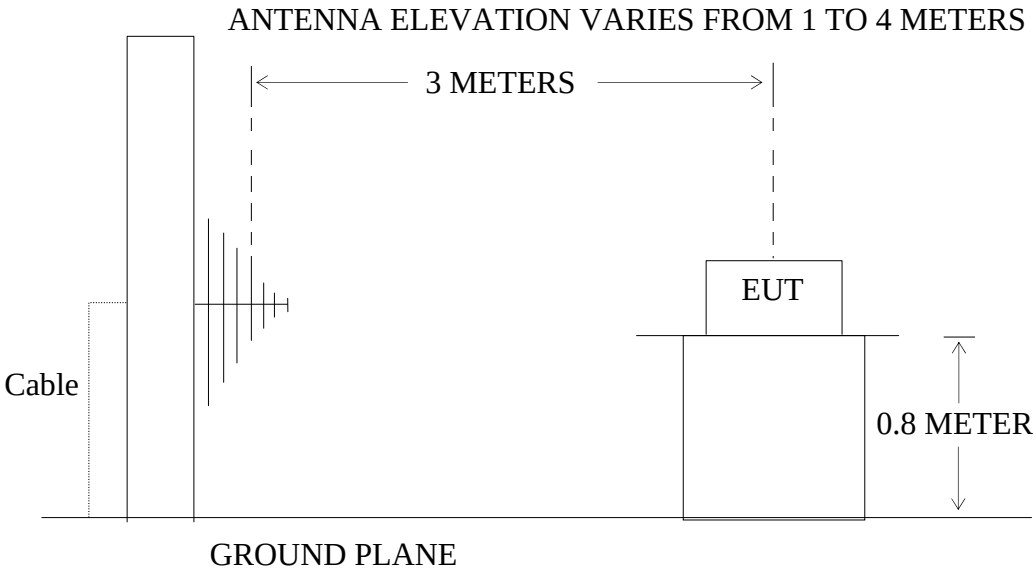
5.1.Block Diagram of Test Setup

5.1.1.Block diagram of connection between the EUT and simulators

EUT

(EUT: 2.4G Wireless Mouse)

5.1.2.Semi-Anechoic Chamber Test Setup Diagram



(EUT: 2.4G Wireless 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		
	Field Strength (microvolts/meter)	Measurement Distance (meters)	
0.009 – 0.490	2400/F(kHz)	300	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.
0.490 – 1.705	24000/F(kHz)	30	
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 Mouse (EUT)

Model Number : CM9135G
Manufacturer : Comat Electronic (Shenzhen) 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, and 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:	August 20, 2012	Temperature:	25°C
EUT:	2.4G Wireless Mouse	Humidity:	50%
Model No.:	CM9135G	Power Supply:	DC 3V
Test Mode:	TX 2408.000MHz	Test Engineer:	Star

Below 30MHz

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

30MHz-25GHz

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

Note:

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

   Result = Reading + Corrected Factor

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

Date of Test:	August 20, 2012	Temperature:	25°C
EUT:	2.4G Wireless Mouse	Humidity:	50%
Model No.:	CM9135G	Power Supply:	DC 3V
Test Mode:	TX 2440.000MHz	Test Engineer:	Star

Below 30MHz

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

30MHz-25GH

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

Note:

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

   Result = Reading + Corrected Factor

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

Date of Test:	August 20, 2012	Temperature:	25°C
EUT:	2.4G Wireless Mouse	Humidity:	50%
Model No.:	CM9135G	Power Supply:	DC 3V
Test Mode:	TX 2474.000MHz	Test Engineer:	Star

Below 30MHz

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

30MHz-25GH

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

Note:

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

   Result = Reading + Corrected Factor

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

6. BAND EDGES

6.1.The Requirement

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

6.2.EUT Configuration on Measurement

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

6.2.1. 2.4G Wireless Mouse (EUT)

Model Number	**:**	CM9135G
Serial Number	**:**	N/A
Manufacturer	**:**	Comat Electronic (Shenzhen) 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:	August 18, 2012	Temperature:	25°C
EUT:	2.4G Wireless Mouse	Humidity:	50%
Model No.:	CM9135G	Power Supply:	DC 3V
Test Mode:	TX 2408.000MHz	Test Engineer:	Star

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	35.58	43.80	-7.81	27.77	35.99	54.00	74.00	-26.23	-38.01	Vertical
2382.610	41.35	49.70	-7.58	33.77	42.12	54.00	74.00	-20.23	-31.88	Vertical
2390.000	38.22	45.13	-7.53	30.69	37.60	54.00	74.00	-23.31	-36.40	Vertical
2310.000	38.25	45.18	-7.81	30.44	37.37	54.00	74.00	-23.56	-36.63	Horizontal
2382.328	46.22	54.89	-7.58	38.64	47.31	54.00	74.00	-15.36	-26.69	Horizontal
2390.000	38.37	44.84	-7.53	30.84	37.31	54.00	74.00	-23.16	-36.69	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:	August 18, 2012	Temperature:	25°C
EUT:	2.4G Wireless Mouse	Humidity:	50%
Model No.:	CM9135G	Power Supply:	DC 3.0V
Test Mode:	TX 2474.000MHz	Test Engineer:	Star

Frequency	Reading(dBμV/m)		Factor(dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	43.69	49.38	-7.37	36.32	42.01	54.00	74.00	-17.68	-31.99	Vertical
2487.349	44.69	52.87	-7.38	37.31	45.49	54.00	74.00	-16.69	-28.51	Vertical
2500.000	38.22	44.90	-7.40	30.82	37.50	54.00	74.00	-23.18	-36.50	Vertical
2483.500	42.57	48.11	-7.37	35.20	40.74	54.00	74.00	-18.80	-33.26	Horizontal
2497.349	40.00	46.87	-7.40	32.60	39.47	54.00	74.00	-21.40	-34.53	Horizontal
2500.000	39.69	45.44	-7.40	32.29	38.04	54.00	74.00	-21.71	-35.96	Horizontal

Note:

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

   Result = Reading + Corrected Factor

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

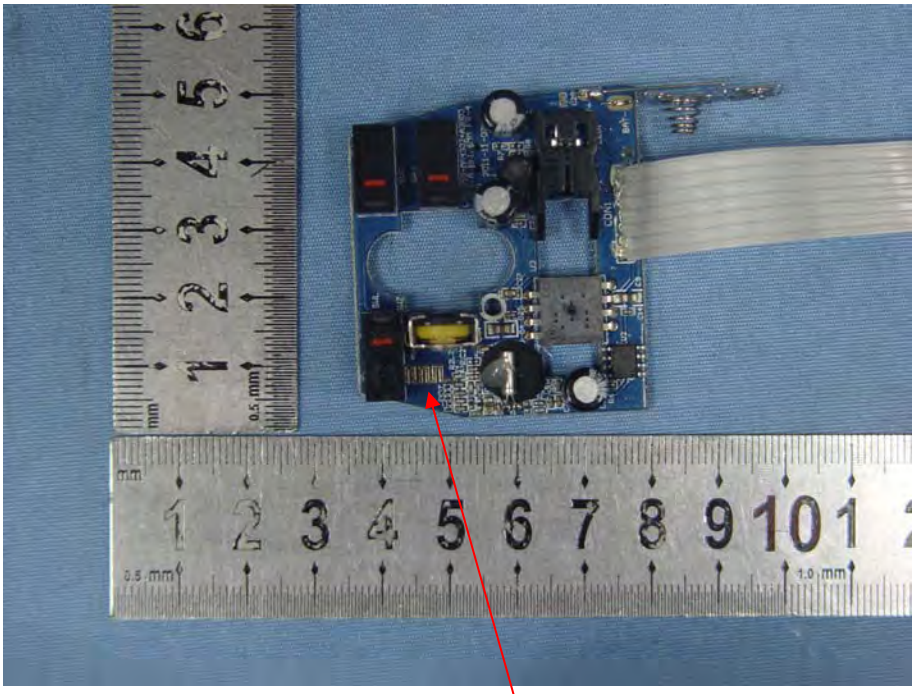
7. ANTENNA REQUIREMENT

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.

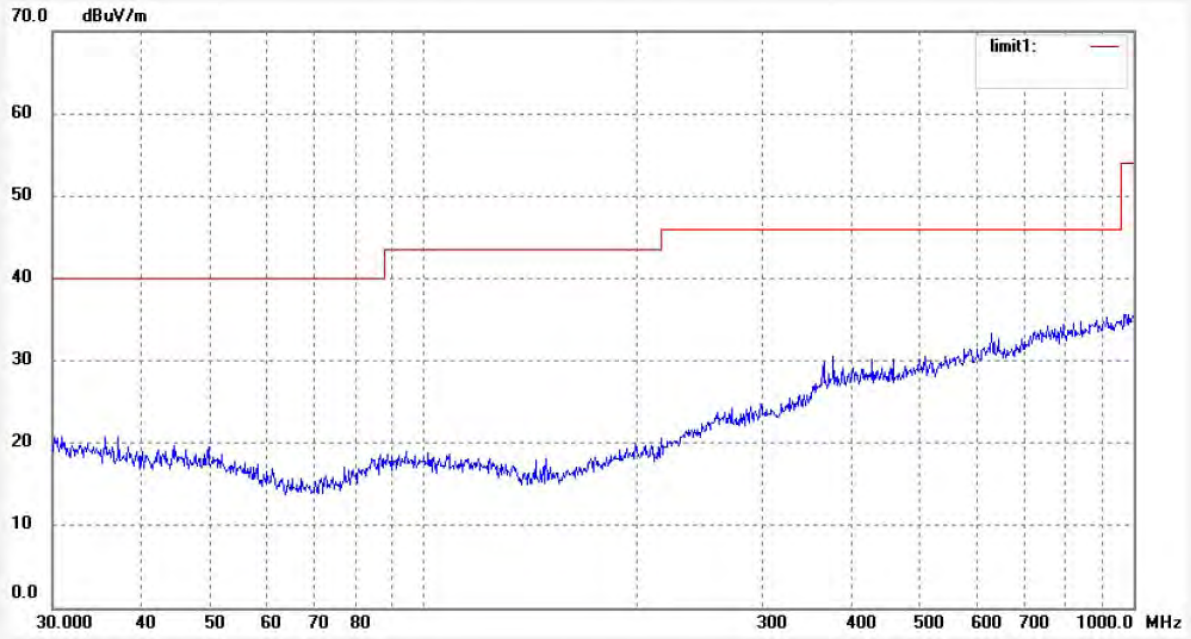


APPENDIX I
(Test Curves)

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.: STAR #2025	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 8/36/57
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2408MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

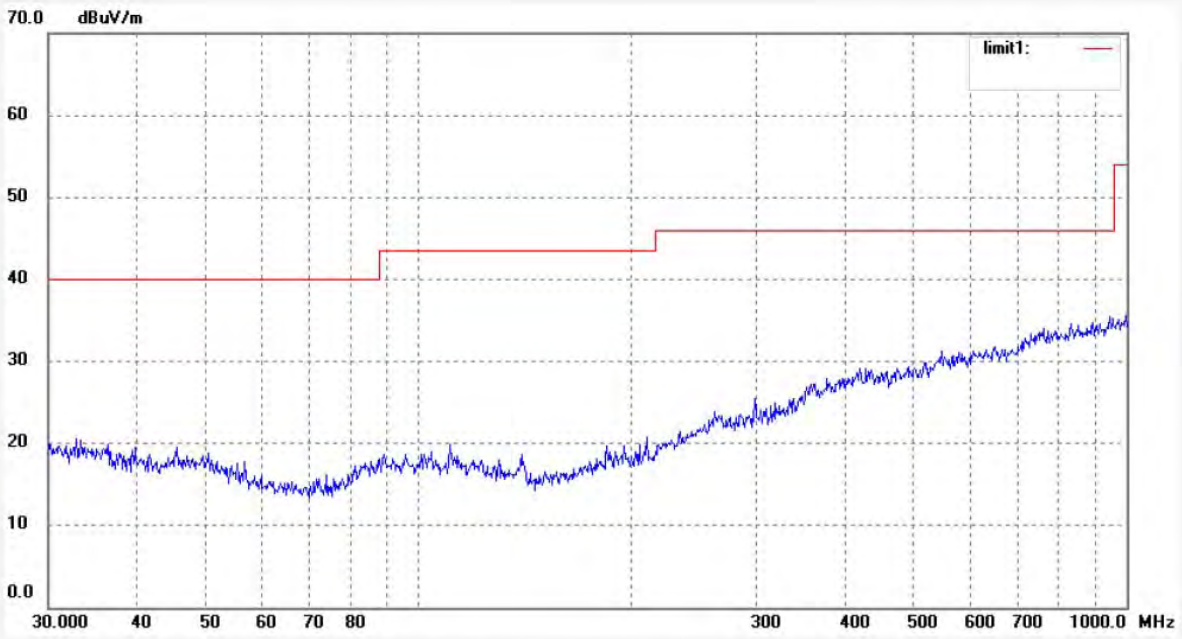


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: STAR #2026	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 8/37/43
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2408MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

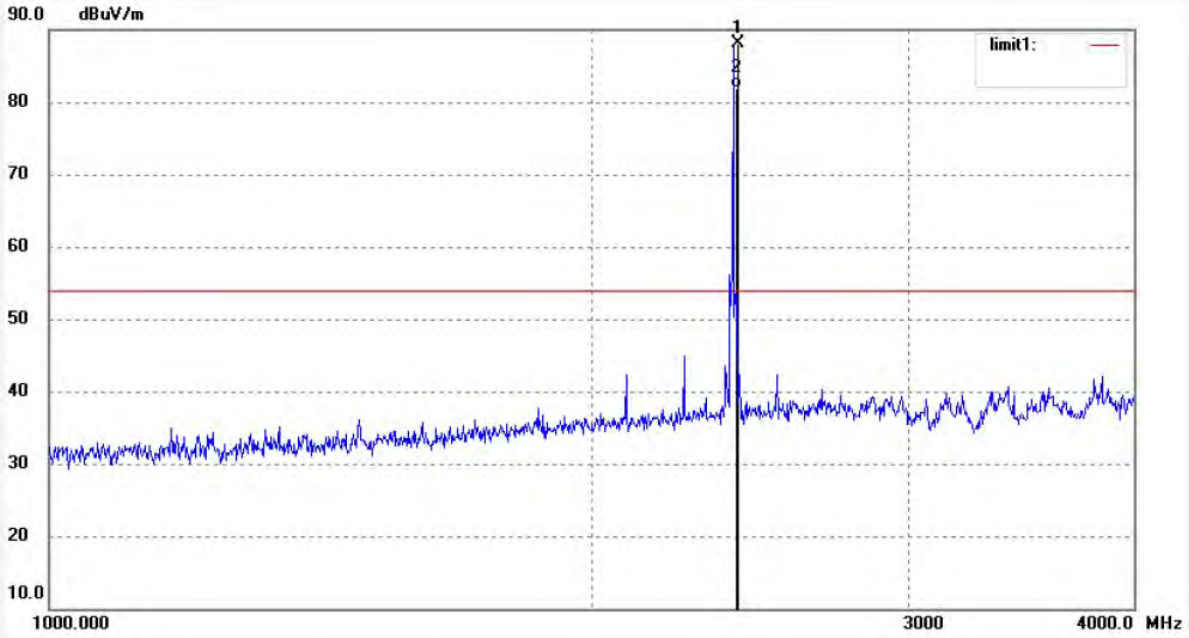


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: star #2049	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 9/01/31
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2408MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

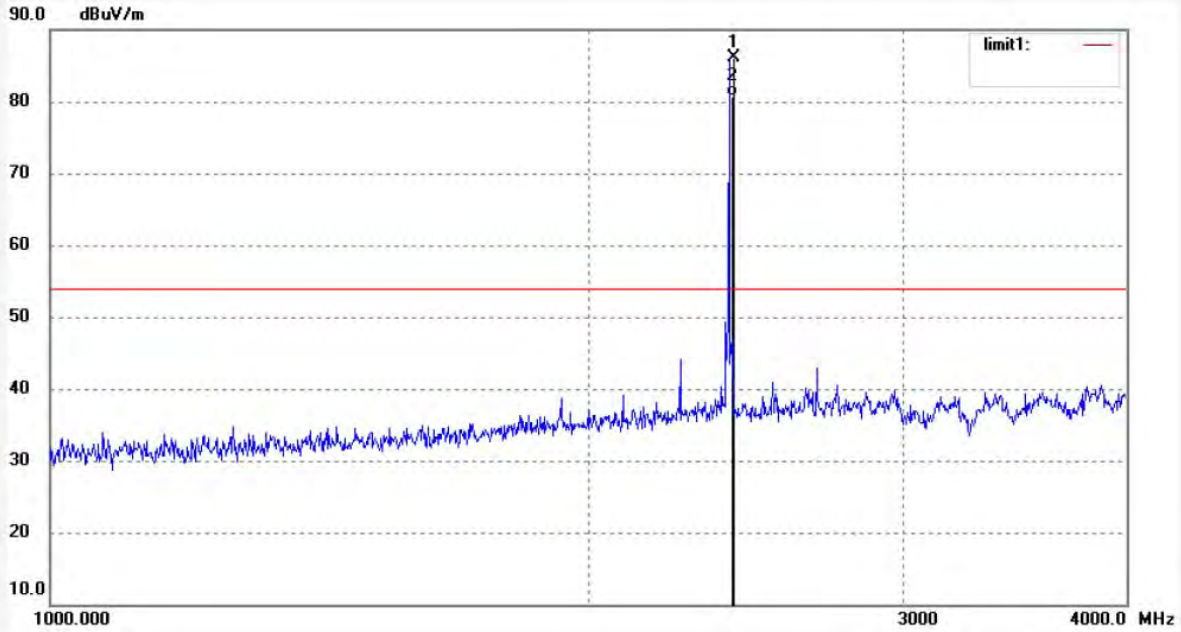


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2408.000	95.62	-7.44	88.18	114.00	-25.82	peak			
2	2408.000	89.36	-7.44	81.92	94.00	-12.08	AVG			

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

Job No.: star #2050	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 9/03/01
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2408MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913



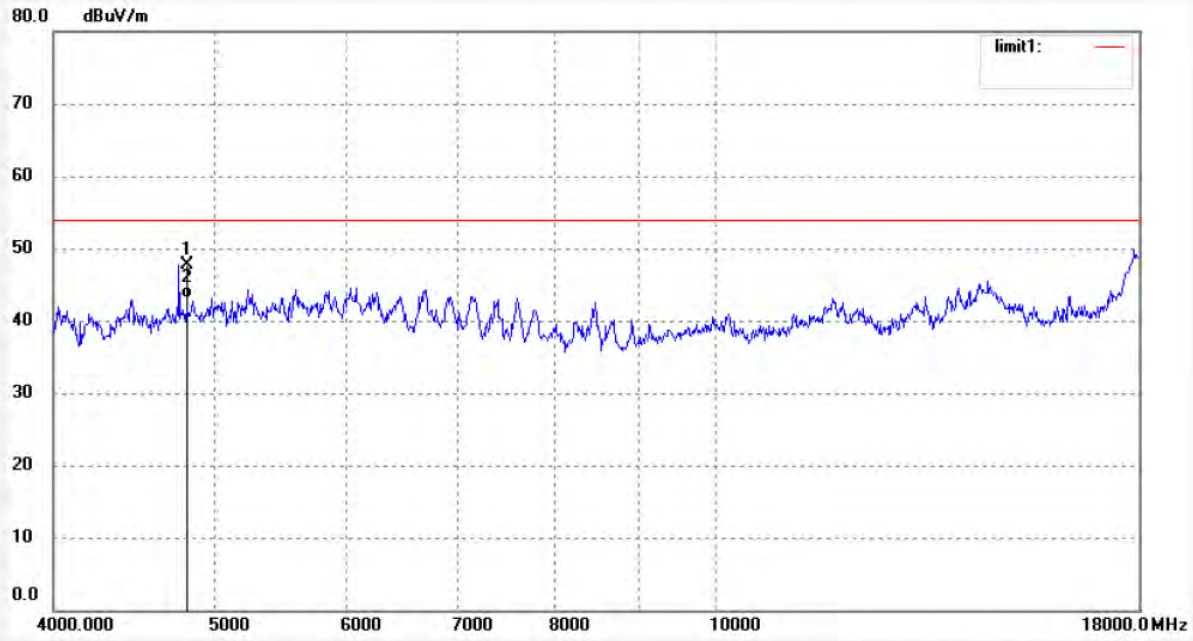
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2408.000	93.53	-7.44	86.09	114.00	-27.91	peak			
2	2408.000	88.15	-7.44	80.71	94.00	-13.29	AVG			

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

Job No.: star #2056
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: 2.4G Wireless mouse
Mode: TX 2408MHz
Model: CM9135G
Manufacturer: COMAT

Polarization: Horizontal
Power Source: DC 3V
Date: 12/08/18/
Time: 9/15/11
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20121913



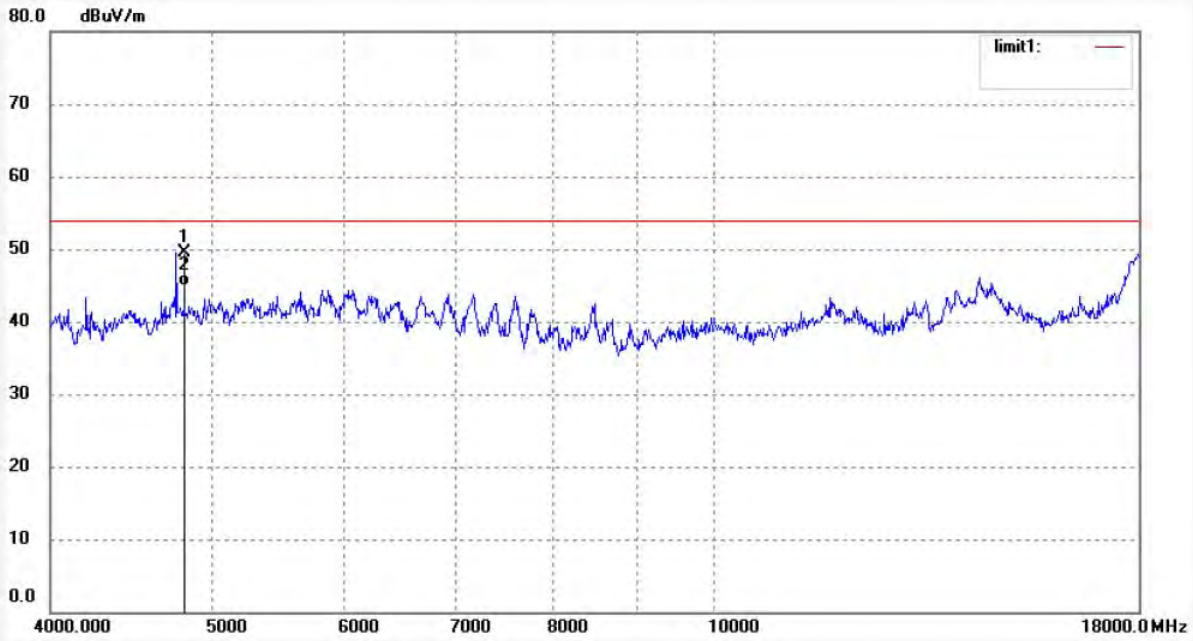
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4816.000	47.86	-0.23	47.63	74.00	-26.37	peak			
2	4816.000	43.28	-0.23	43.05	54.00	-10.95	AVG			

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

Job No.: star #2055
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: 2.4G Wireless mouse
Mode: TX 2408MHz
Model: CM9135G
Manufacturer: COMAT

Polarization: Vertical
Power Source: DC 3V
Date: 12/08/18/
Time: 9/13/49
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20121913

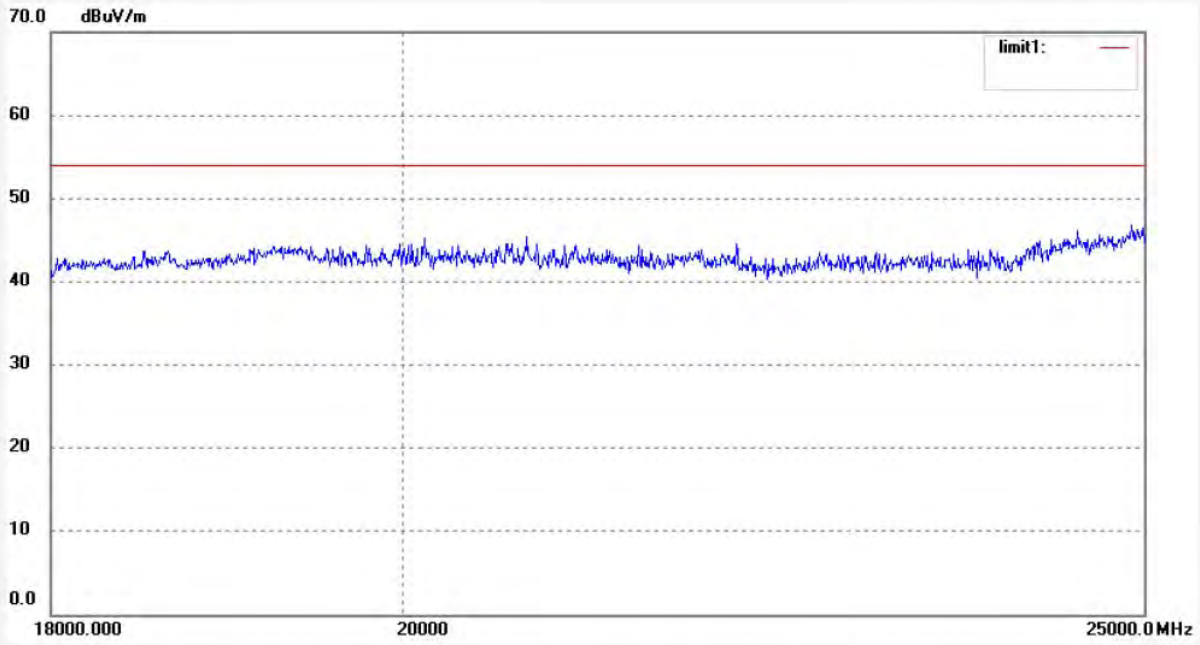


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4816.000	49.75	-0.23	49.52	74.00	-24.48	peak			
2	4816.000	45.15	-0.23	44.92	54.00	-9.08	AVG			

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

Job No.: Star_tmp #194	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2012/08/22
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 18:43:43
EUT: 2.4G Wireless mouse	Engineer Signature: Star
Mode: TX 2408MHz	Distance:
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

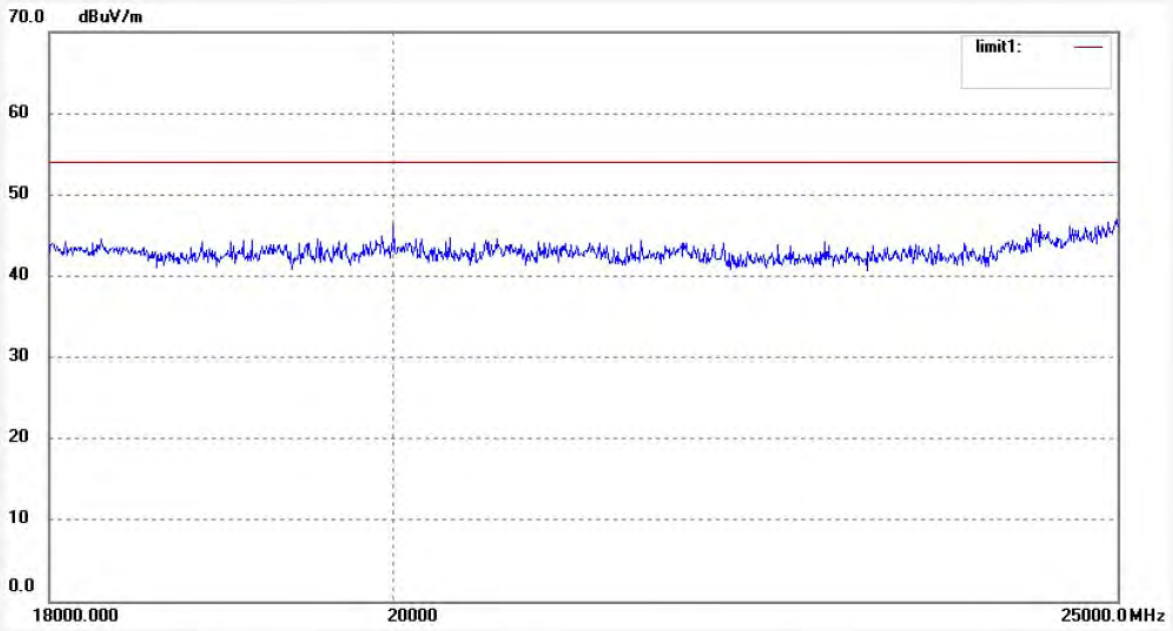


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: Star_tmp #195	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2012/08/22
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 18:44:15
EUT: 2.4G Wireless mouse	Engineer Signature: Star
Mode: TX 2408MHz	Distance:
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

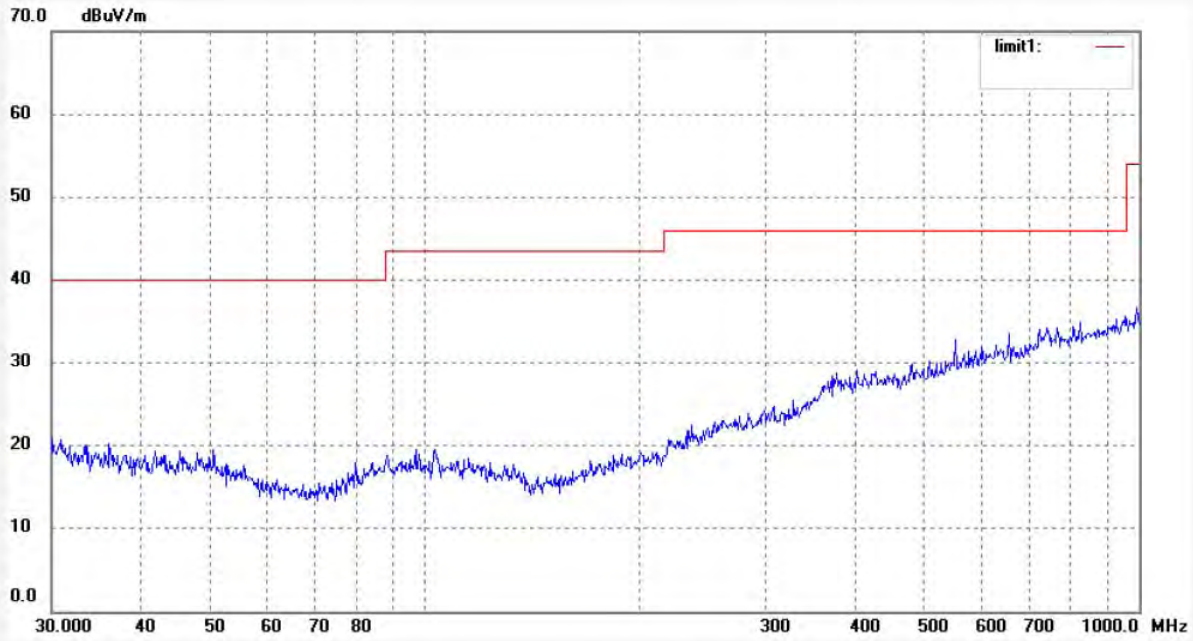


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: STAR #2028	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 8/38/49
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2440MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

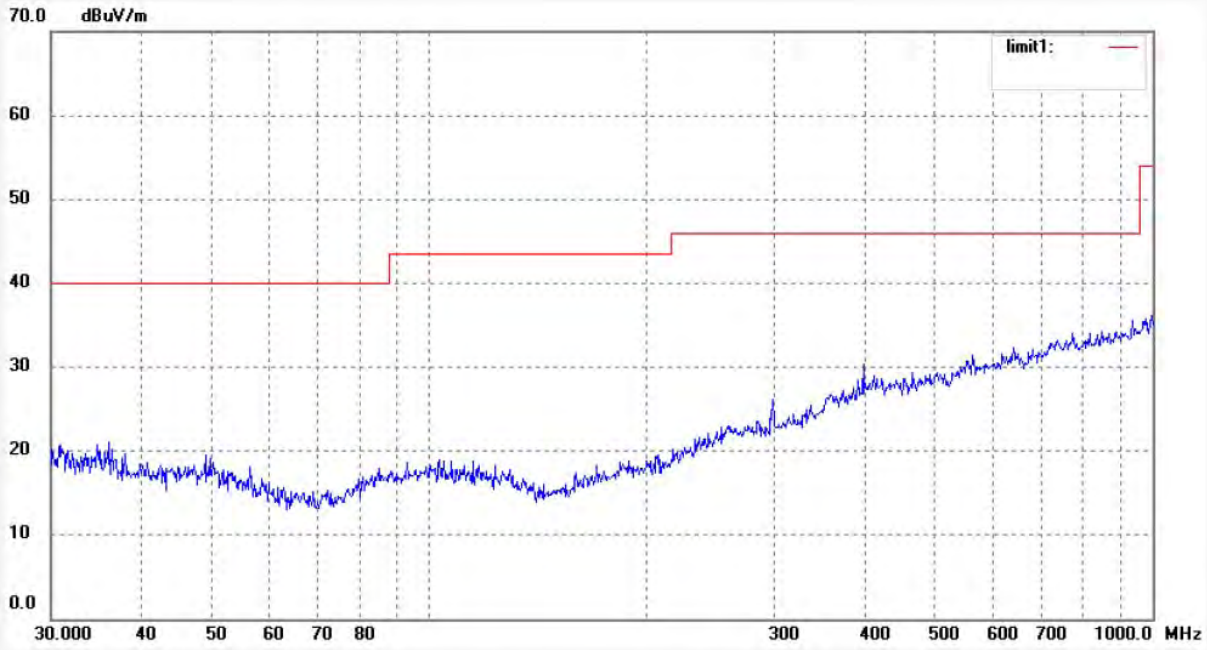


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: STAR #2027	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 8/38/10
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2440MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913



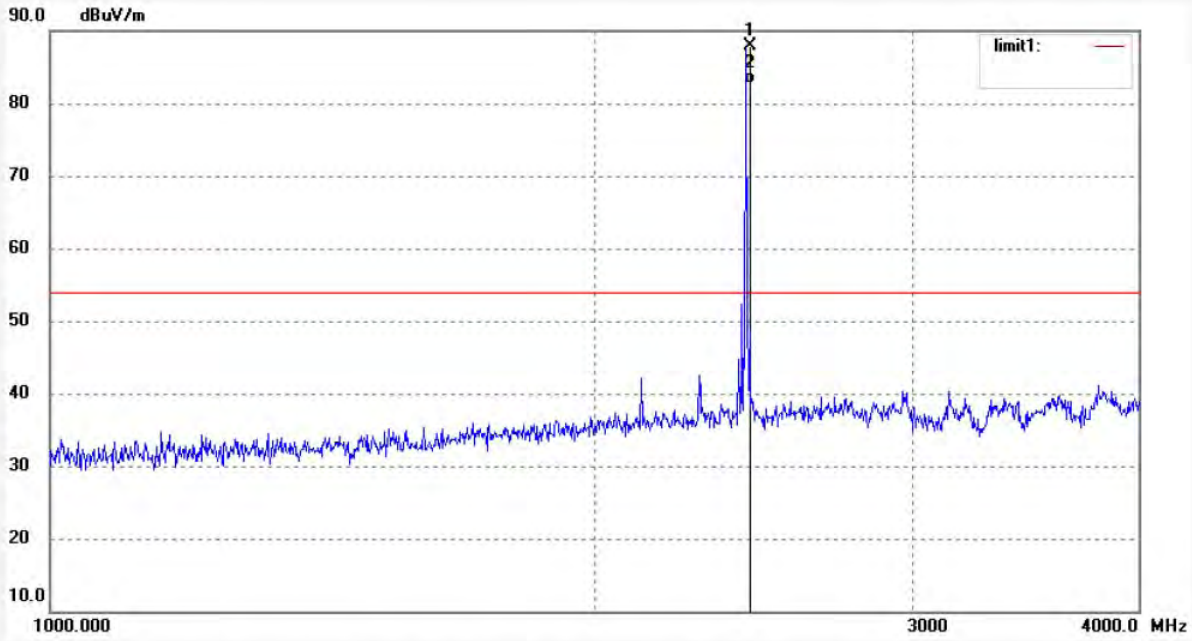
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: star #2052
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: 2.4G Wireless mouse
Mode: TX 2440MHz
Model: CM9135G
Manufacturer: COMAT

Polarization: Horizontal
Power Source: DC 3V
Date: 12/08/18/
Time: 9/06/08
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20121913

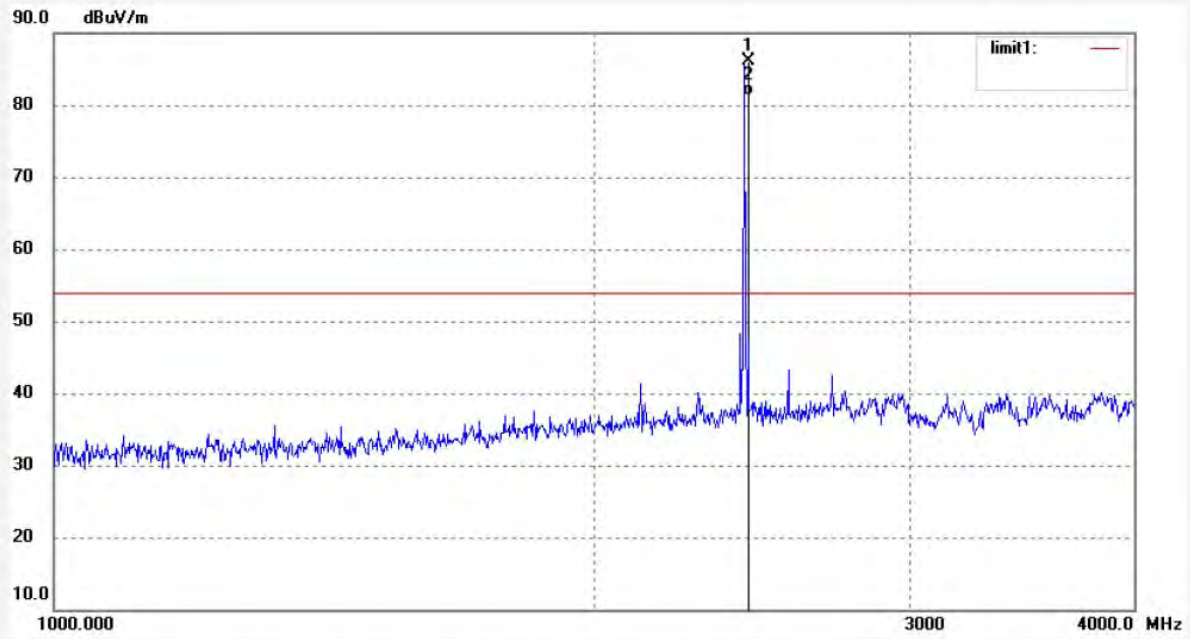


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	95.23	-7.36	87.87	114.00	-26.13	peak			
2	2440.000	90.02	-7.36	82.66	94.00	-11.34	AVG			

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

Job No.: star #2051	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 9/04/47
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2440MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913



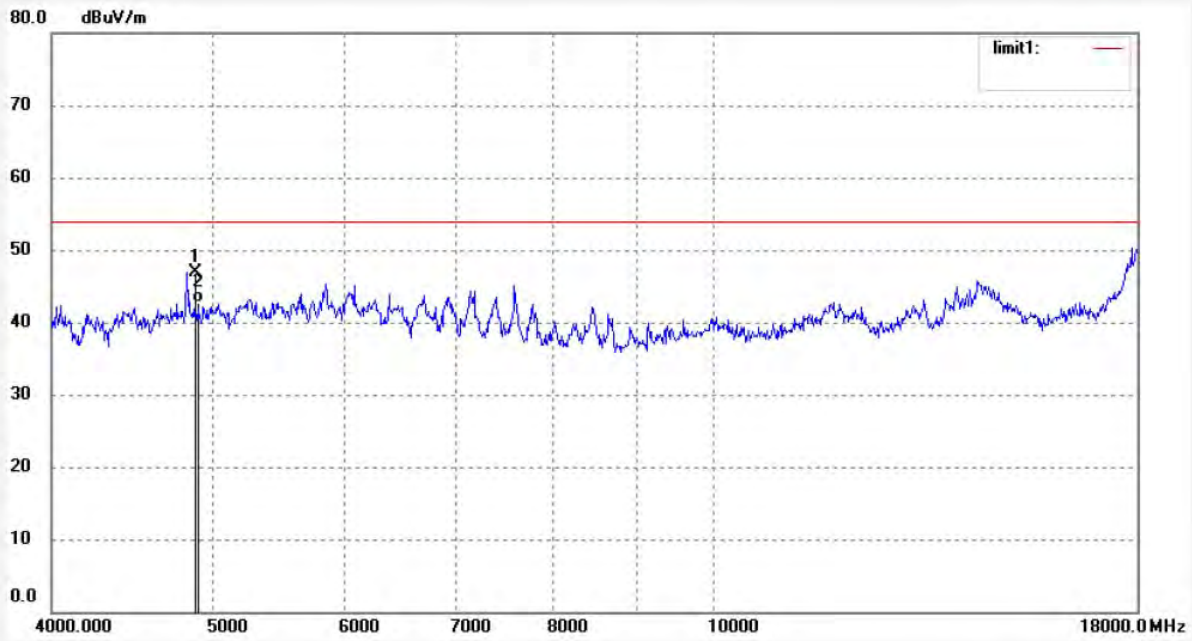
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	93.54	-7.36	86.18	114.00	-27.82	peak			
2	2440.000	88.74	-7.36	81.38	94.00	-12.62	AVG			

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

Job No.: star #2057
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: 2.4G Wireless mouse
Mode: TX 2440MHz
Model: CM9135G
Manufacturer: COMAT

Polarization: Horizontal
Power Source: DC 3V
Date: 12/08/18/
Time: 9/16/39
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20121913

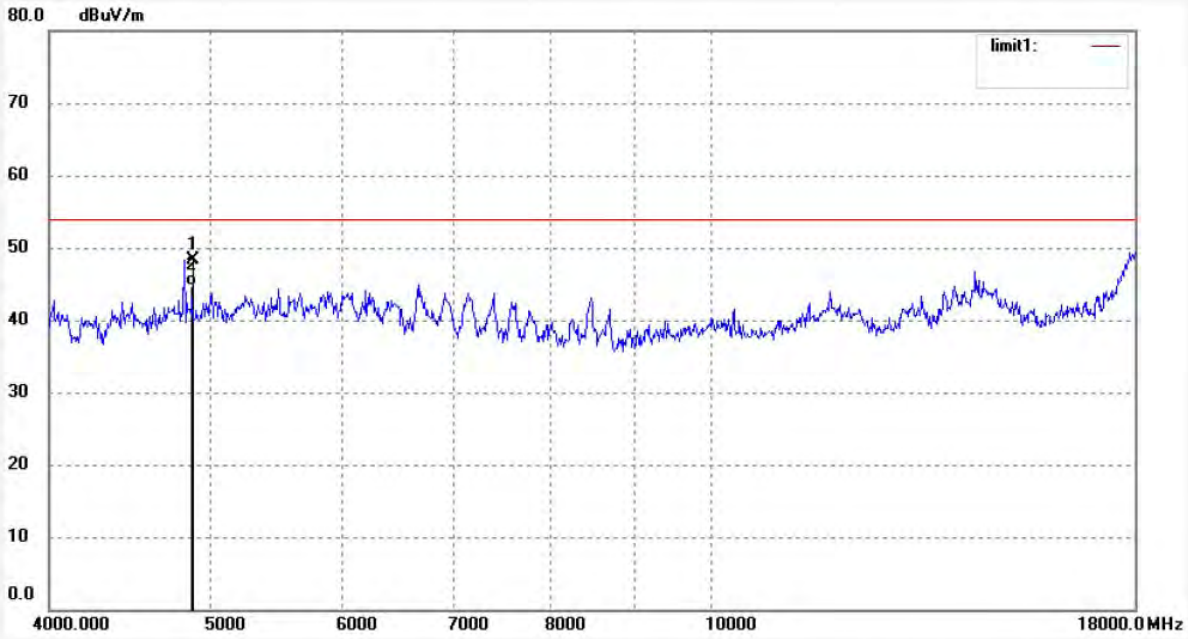


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4880.000	46.82	0.13	46.95	74.00	-27.05	peak			
2	4880.000	42.58	0.13	42.71	54.00	-11.29	AVG			

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

Job No.: star #2058	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 9/17/53
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2440MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

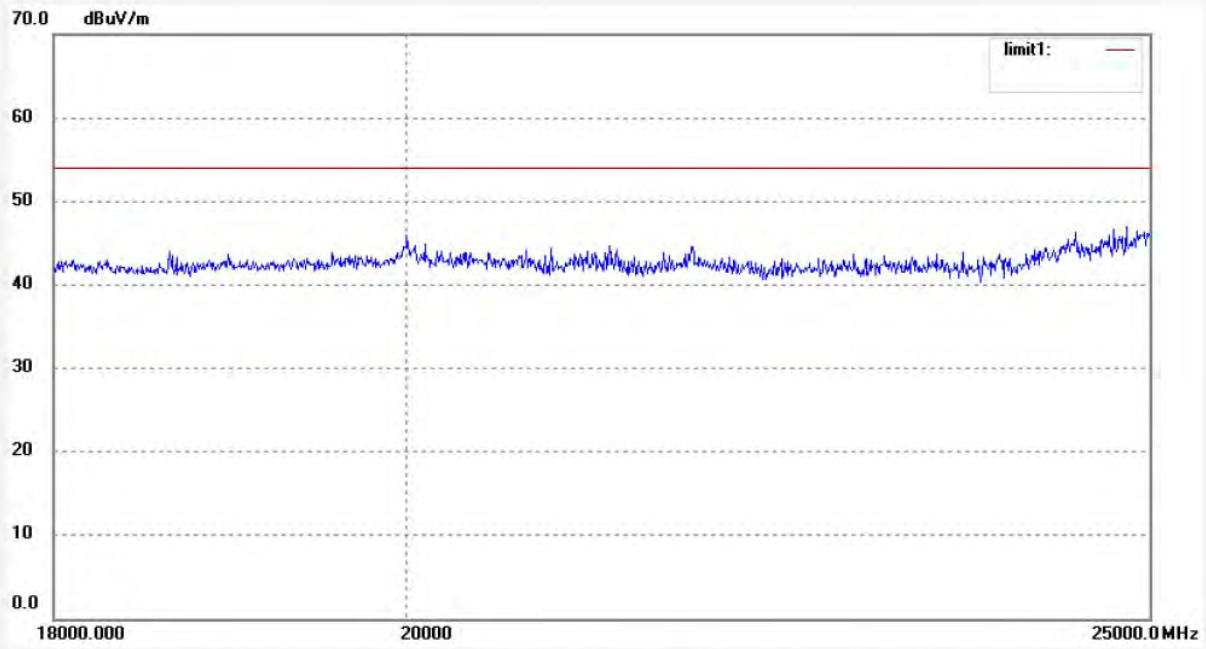


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4880.000	48.27	0.13	48.40	74.00	-25.60	peak			
2	4880.000	44.66	0.13	44.79	54.00	-9.21	AVG			

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

Job No.: Star_tmp #197	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2012/08/22
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 18:44:50
EUT: 2.4G Wireless mouse	Engineer Signature: Star
Mode: TX 2440MHz	Distance:
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

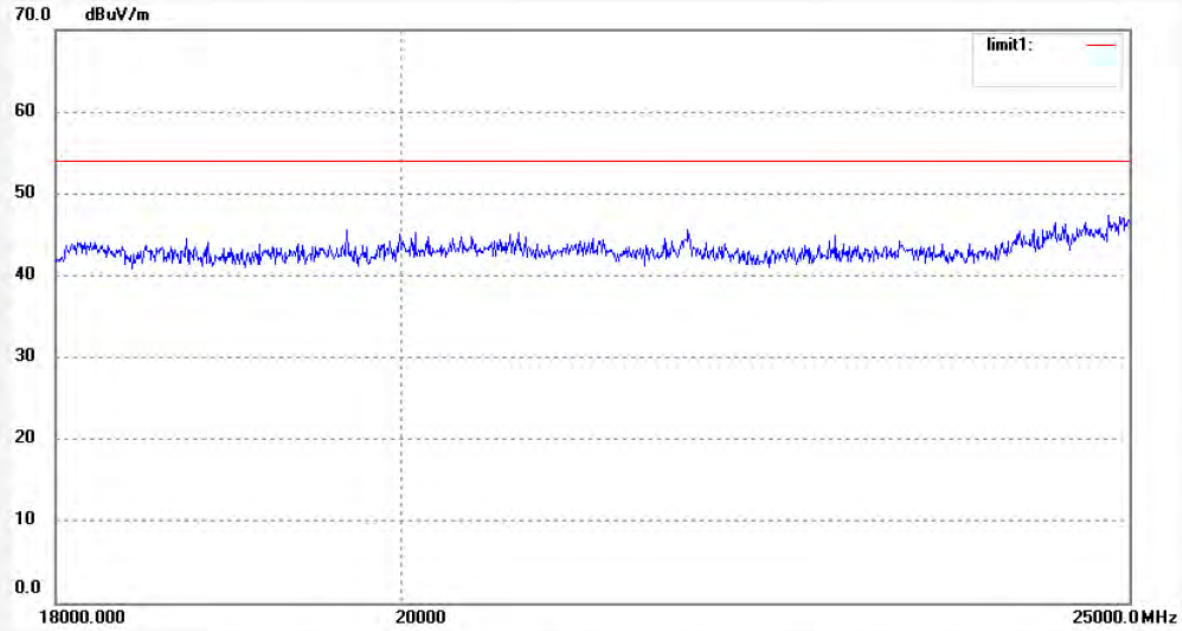


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: Star_tmp #196	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2012/08/22
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 18:44:34
EUT: 2.4G Wireless mouse	Engineer Signature: Star
Mode: TX 2440MHz	Distance:
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

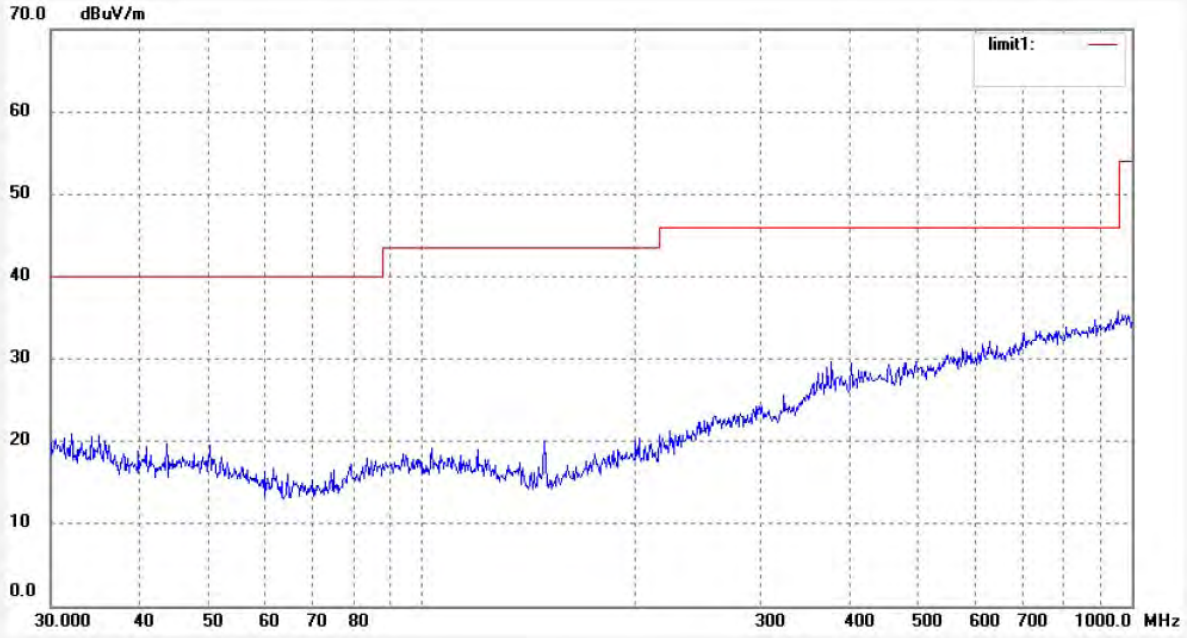


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: STAR #2029	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 8/39/13
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2474MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

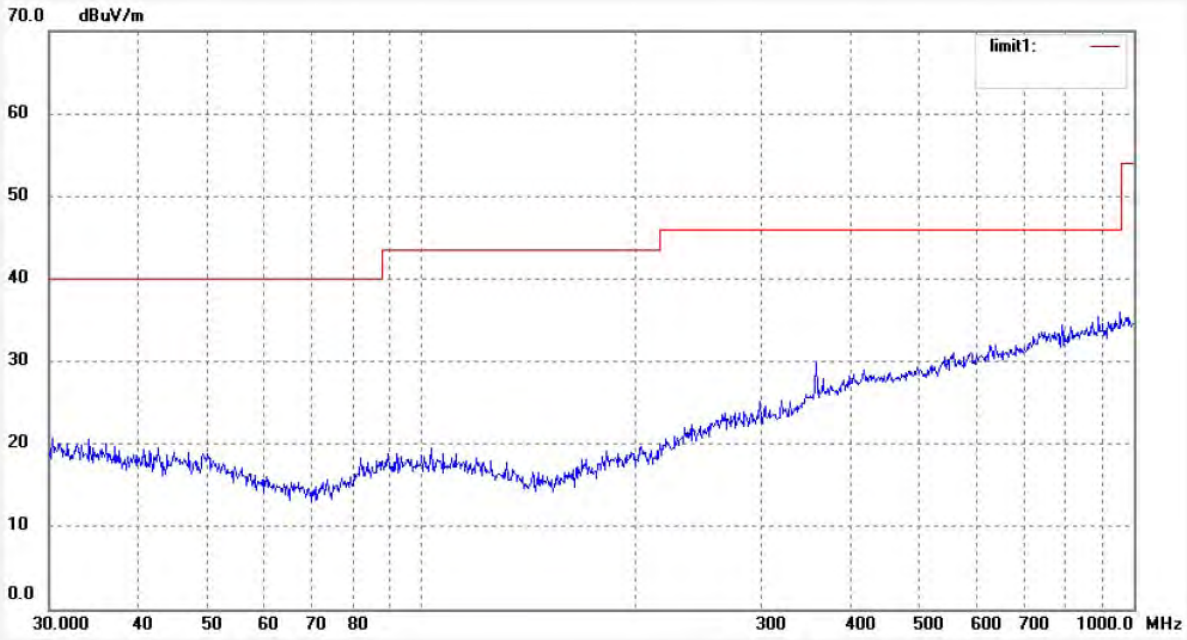


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: STAR #2030	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 8/39/56
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2474MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913



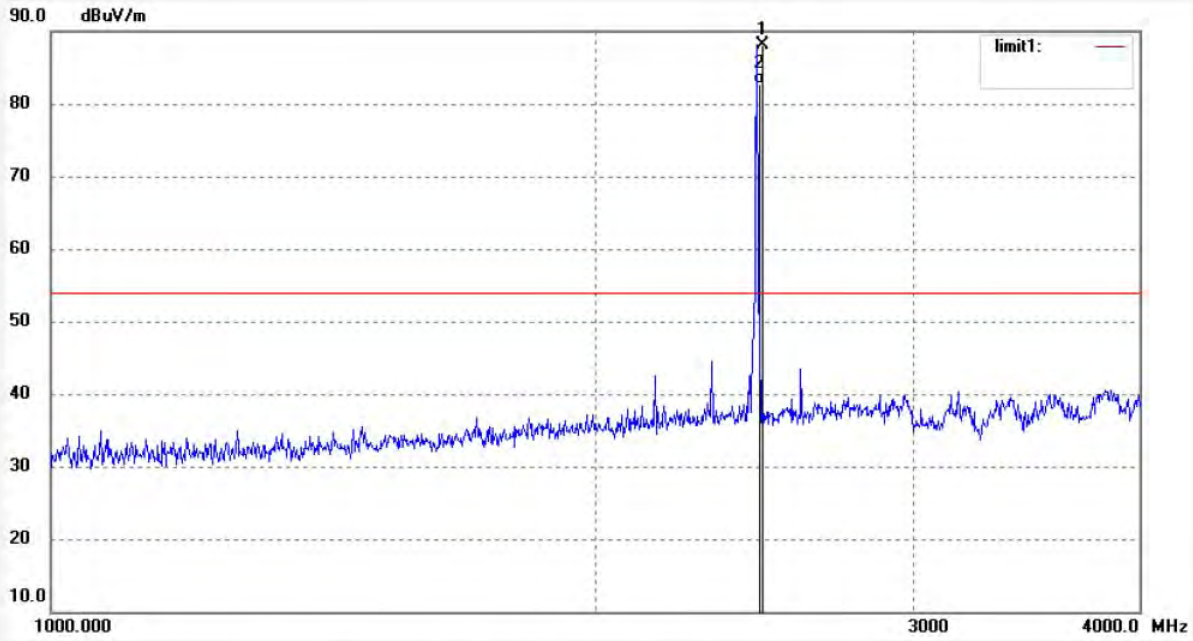
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: star #2053
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: 2.4G Wireless mouse
Mode: TX 2474MHz
Model: CM9135G
Manufacturer: COMAT

Polarization: Horizontal
Power Source: DC 3V
Date: 12/08/18/
Time: 9/08/09
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20121913



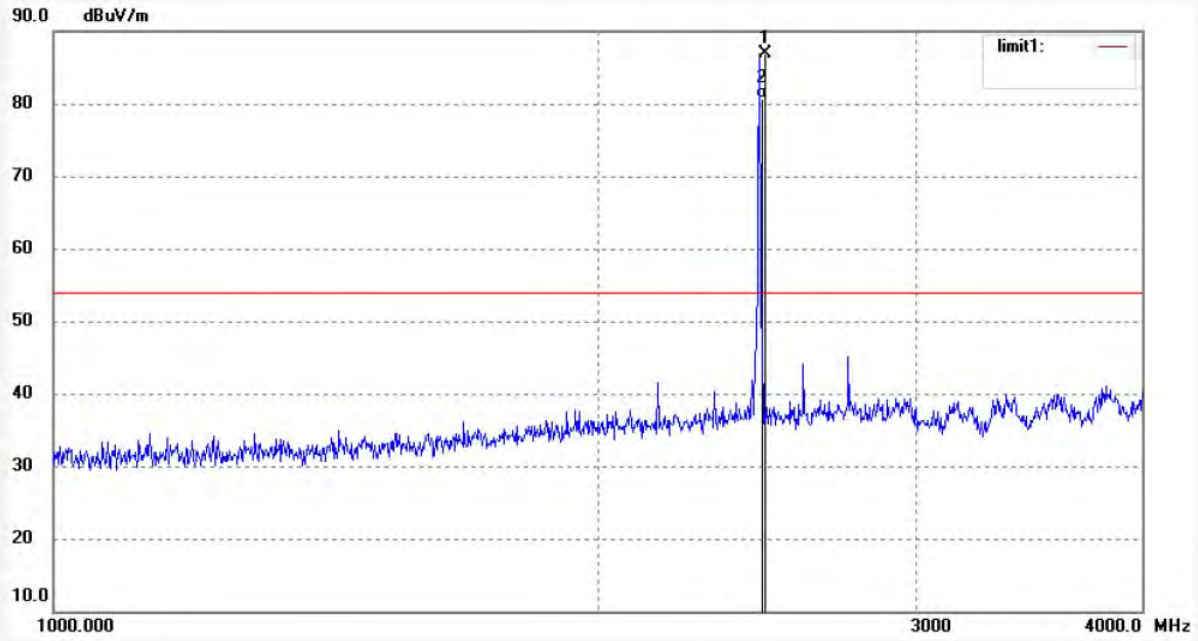
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2474.000	95.42	-7.37	88.05	114.00	-25.95	peak			
2	2474.000	89.99	-7.37	82.62	94.00	-11.38	AVG			

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

Job No.: star #2054
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: 2.4G Wireless mouse
Mode: TX 2474MHz
Model: CM9135G
Manufacturer: COMAT

Polarization: Vertical
Power Source: DC 3V
Date: 12/08/18/
Time: 9/09/29
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20121913

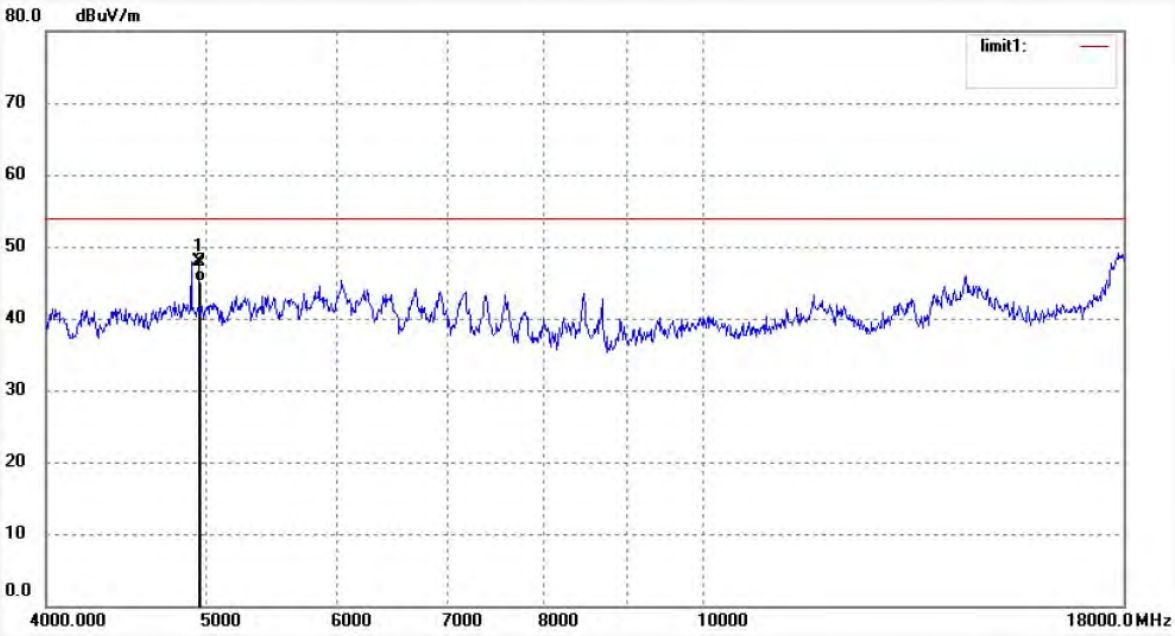


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2474.000	94.24	-7.37	86.87	114.00	-11.38	peak			
2	2474.000	88.15	-7.37	80.78	94.00	-13.22	AVG			

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

Job No.: star #2060	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 9/20/28
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2474MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

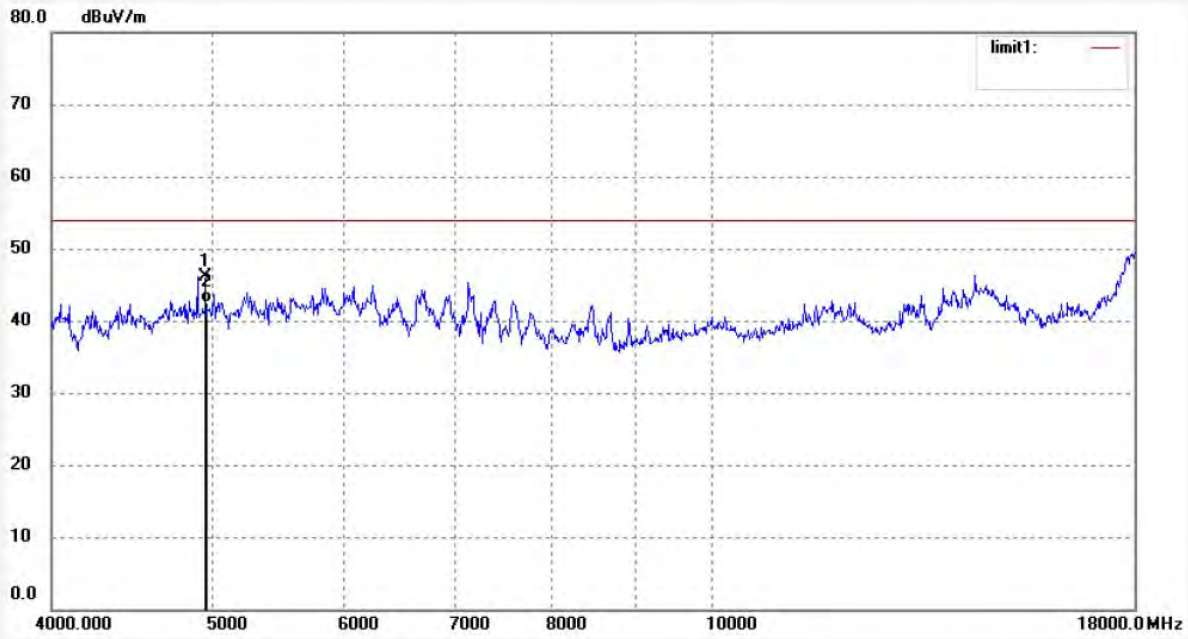


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4948.000	47.46	0.46	47.92	74.00	-26.08	peak			
2	4948.000	44.58	0.46	45.04	54.00	-8.96	AVG			

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

Job No.: star #2059	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 12/08/18/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 9/19/14
EUT: 2.4G Wireless mouse	Engineer Signature:
Mode: TX 2474MHz	Distance: 3m
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

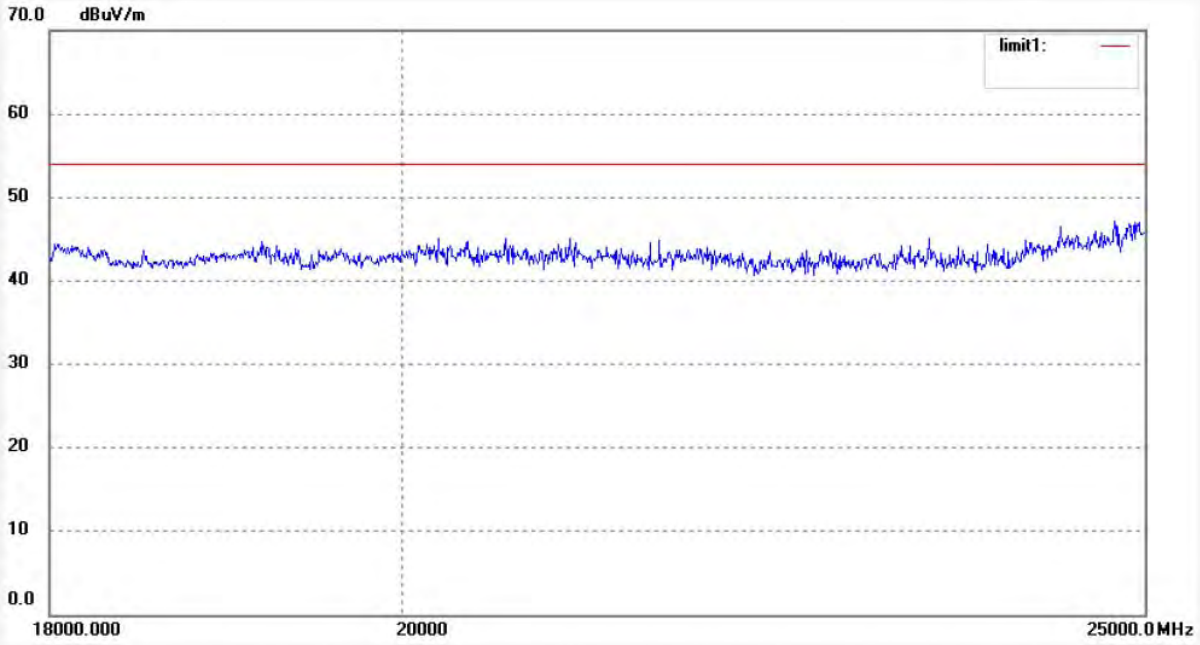


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4948.000	45.70	0.46	46.16	74.00	-27.84	peak			
2	4948.000	42.05	0.46	42.51	54.00	-11.49	AVG			

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

Job No.: Star_tmp #198	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2012/08/22
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 18:45:04
EUT: 2.4G Wireless mouse	Engineer Signature: Star
Mode: TX 2474MHz	Distance:
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913

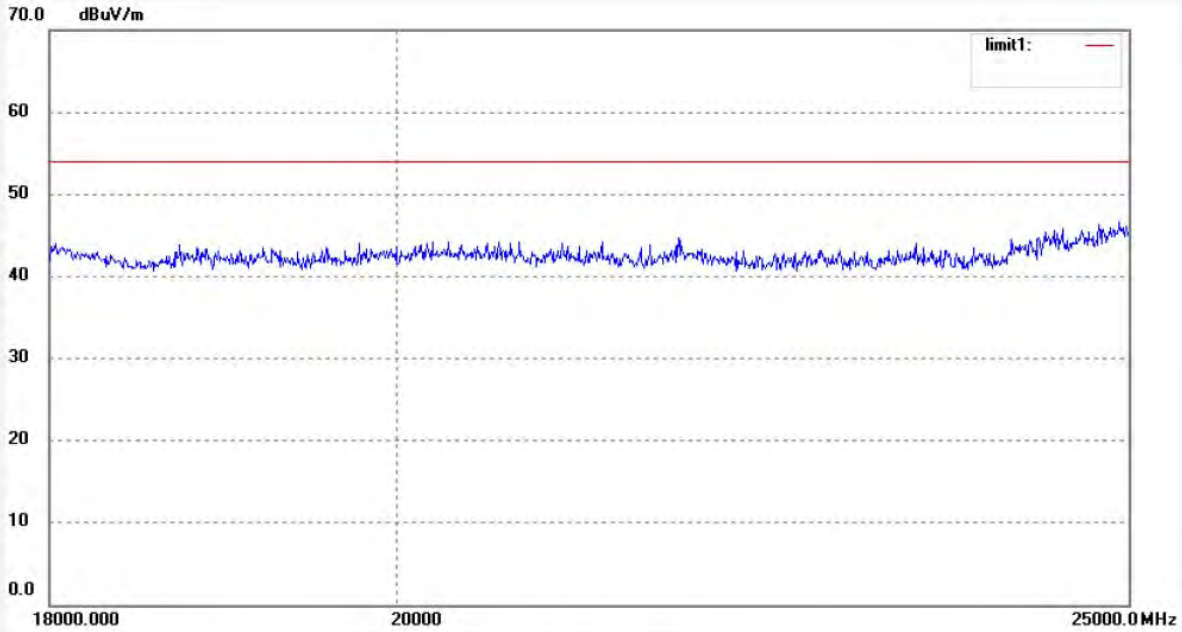


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: Star_tmp #199	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2012/08/22
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 18:45:22
EUT: 2.4G Wireless mouse	Engineer Signature: Star
Mode: TX 2474MHz	Distance:
Model: CM9135G	
Manufacturer: COMAT	

Note: Report No.:ATE20121913



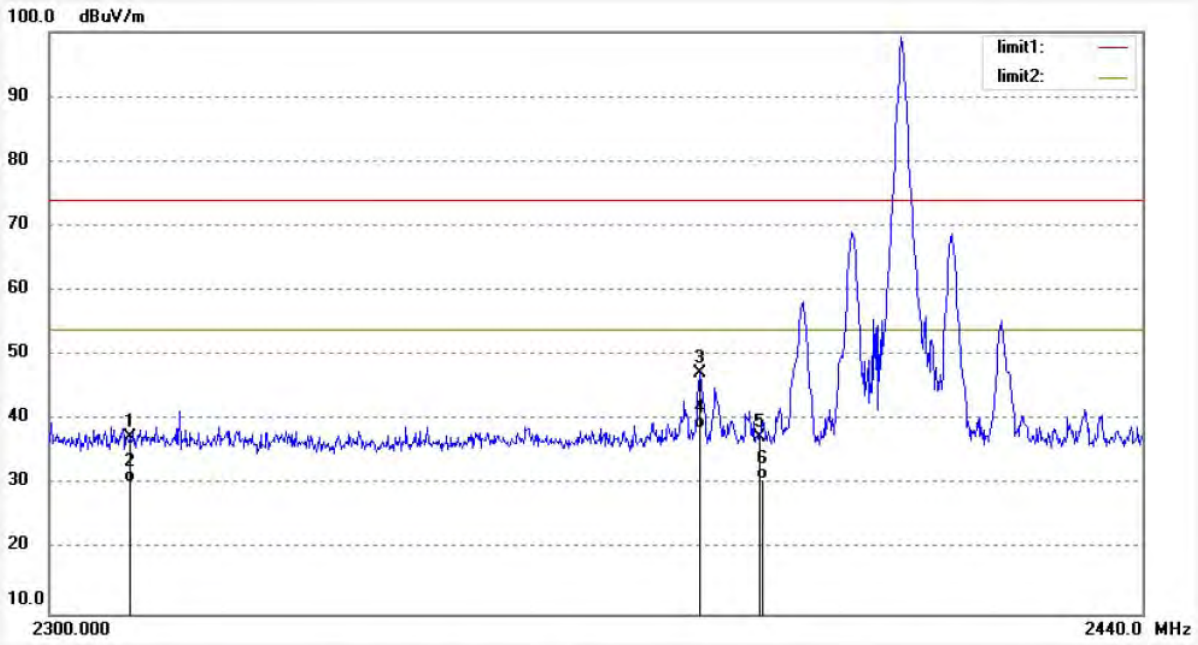
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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.: star #2064
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: 2.4G Wireless mouse
Mode: TX 2408MHz
Model: CM9135G
Manufacturer: COMAT

Polarization: Horizontal
Power Source: DC 3V
Date: 12/08/18/
Time: 9/30/33
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20121913



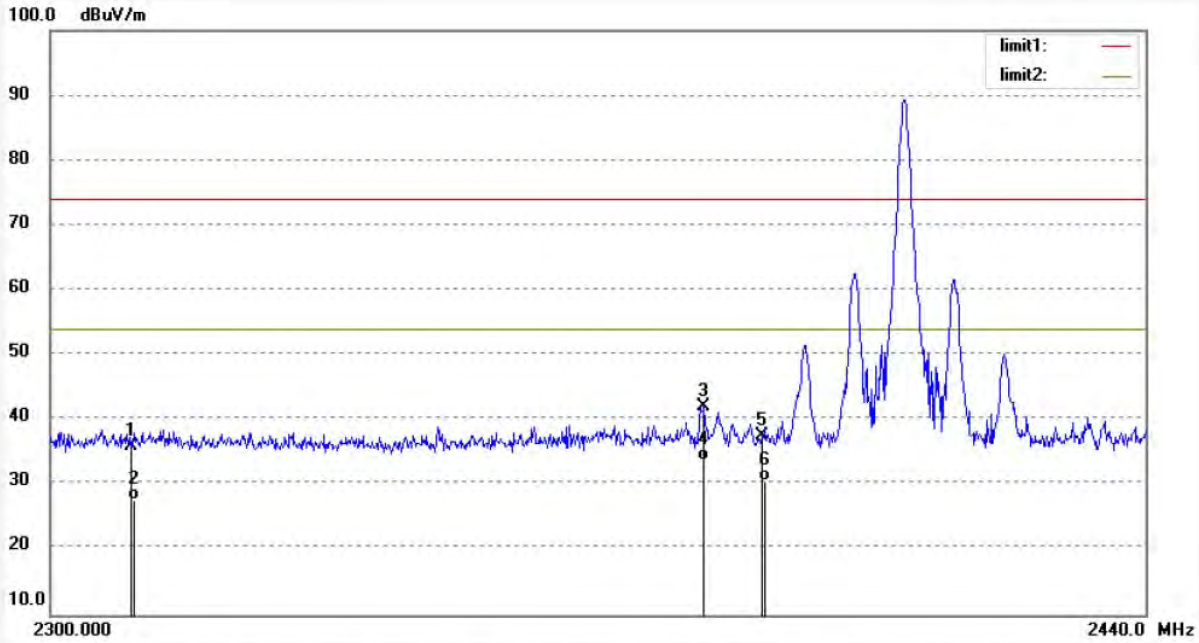
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	45.18	-7.81	37.37	74.00	-36.63	peak			
2	2310.000	38.25	-7.81	30.44	54.00	-23.56	AVG			
3	2382.328	54.89	-7.58	47.31	74.00	-26.69	peak			
4	2382.328	46.22	-7.58	38.64	54.00	-15.36	AVG			
5	2390.000	44.84	-7.53	37.31	74.00	-36.69	peak			
6	2390.000	38.37	-7.53	30.84	54.00	-23.16	AVG			

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

Job No.: star #2063
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: 2.4G Wireless mouse
Mode: TX 2408MHz
Model: CM9135G
Manufacturer: COMAT

Polarization: Vertical
Power Source: DC 3V
Date: 12/08/18/
Time: 9/29/13
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20121913



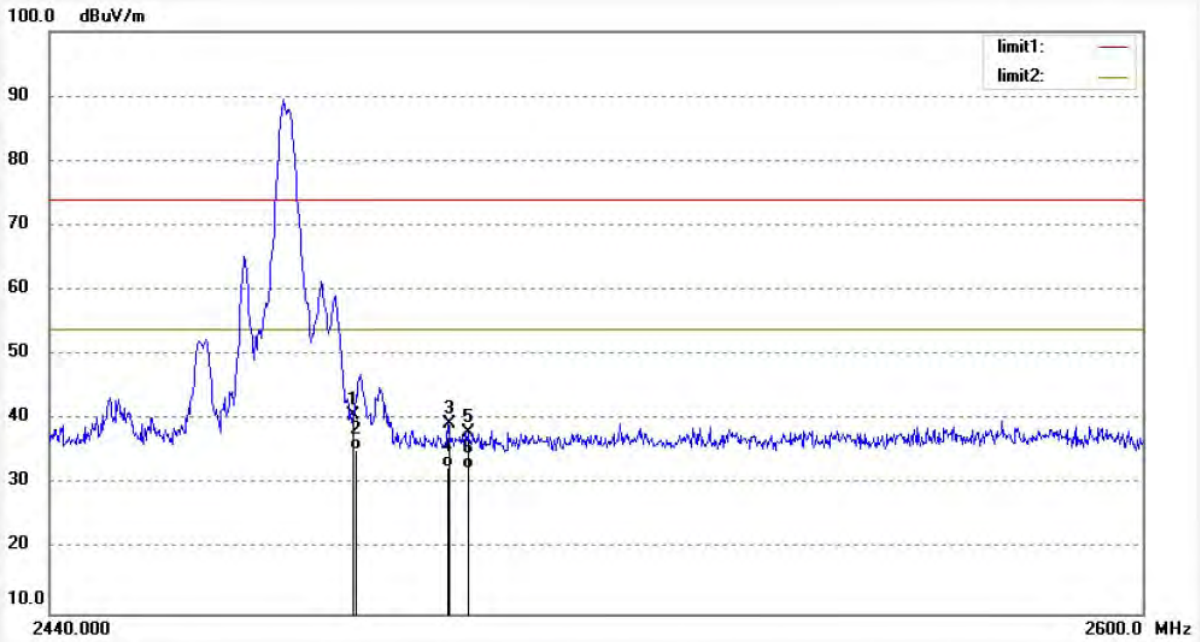
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	43.80	-7.81	35.99	74.00	-38.01	peak			
2	2310.000	35.58	-7.81	27.77	54.00	-26.23	AVG			
3	2382.610	49.70	-7.58	42.12	74.00	-31.88	peak			
4	2382.610	41.35	-7.58	33.77	54.00	-20.23	AVG			
5	2390.000	45.13	-7.53	37.60	74.00	-36.40	peak			
6	2390.000	38.22	-7.53	30.69	54.00	-23.31	AVG			

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

Job No.: star #2061
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: 2.4G Wireless mouse
Mode: TX 2474MHz
Model: CM9135G
Manufacturer: COMAT

Polarization: Horizontal
Power Source: DC 3V
Date: 12/08/18/
Time: 9/26/04
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20121913



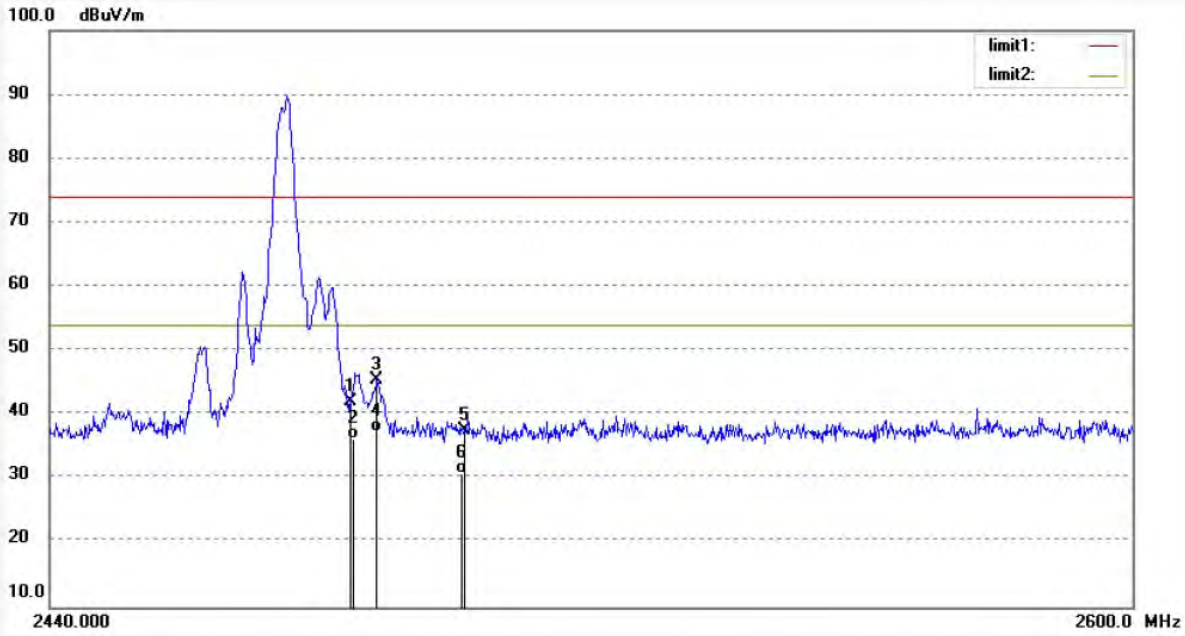
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	48.11	-7.37	40.74	74.00	-33.26	peak			
2	2483.500	42.57	-7.37	35.20	54.00	-18.80	AVG			
3	2497.183	46.87	-7.40	39.47	74.00	-34.53	peak			
4	2497.183	40.00	-7.40	32.60	54.00	-21.40	AVG			
5	2500.000	45.44	-7.40	38.04	74.00	-35.96	peak			
6	2500.000	39.69	-7.40	32.29	54.00	-21.71	AVG			

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

Job No.: star #2062
Standard: FCC 15C PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: 2.4G Wireless mouse
Mode: TX 2474MHz
Model: CM9135G
Manufacturer: COMAT

Polarization: Vertical
Power Source: DC 3V
Date: 12/08/18/
Time: 9/27/34
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20121913



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	49.38	-7.37	42.01	74.00	-31.99	peak			
2	2483.500	43.69	-7.37	36.32	54.00	-17.68	AVG			
3	2487.349	52.87	-7.38	45.49	74.00	-28.51	peak			
4	2487.349	44.69	-7.38	37.31	54.00	-16.69	AVG			
5	2500.000	44.90	-7.40	37.50	74.00	-36.50	peak			
6	2500.000	38.22	-7.40	30.82	54.00	-23.18	AVG			