Prüfbericht-Nr.: *Test Report No.:*	**50047492 001**	**Auftrags-Nr.:** *Order No.:*	164031439	Seite 1 von 60 *Page 1 of 60*
Kunden-Referenz-Nr.: *Client Reference No.:*	N/A	**Auftragsdatum:** *Order date:*	06.06.2016	
Auftraggeber: *Client:*	PRIMAX ELECTRONICS LTD No. 669, Ruey Kuang Road, Neihu 114 Taipei, Taiwan, R.O.C.			
Prüfgegenstand: *Test item:*	Lenovo Professional Wireless Laser Mouse			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	MORFJVL (Lenovo)			
Auftrags-Inhalt: *Order content:*	FCC/IC Certification			
Prüfgrundlage: *Test specification:*	CFR47 FCC Part 15: Subpart C Section 15.249 RSS-210 Issue 8 December 2010 FCC KDB Publication 447498 D01 v06		CFR47 FCC Part 15: Subpart C Section 15.209 RSS-Gen Issue 4 November 2014 RSS-102 Issue 5 March 2015	
Wareneingangsdatum: *Date of receipt:*	04.06.2016			
Prüfmuster-Nr.: *Test sample No.:*	A000368939-001, A000368939-002			
Prüfzeitraum: *Testing period:*	04.06.2016 - 22.06.2016			
Ort der Prüfung: *Place of testing:*	Accurate Technology Co., Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			

geprüft von / *tested by*:

04.07.2016	Lin Lin/Project Manager	
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

kontrolliert von / *reviewed by*:

04.07.2016	Owen Tian/Technical Certicier	
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other*:

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery:*	Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged*

* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut	3 = befriedigend F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	4 = ausreichend N/A = nicht anwendbar	5 = mangelhaft N/T = nicht getestet
Legend:	*1 = very good* *P(ass) = passed a.m. test specification(s)*	*2 = good*	*3 = satisfactory* *F(ail) = failed a.m. test specification(s)*	*4 = sufficient* *N/A = not applicable*	*5 = poor* *N/T = not tested*

V04

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT
RESULT: Pass

5.1.2 20DB BANDWIDTH AND 99% BANDWIDTH
RESULT: Pass

5.1.3 FUNDAMENTAL & HARMONICS RADIATED EMISSION
RESULT: Pass

5.1.4 RADIATED EMISSIONS OUTSIDE OF THE BAND
RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS
RESULT: Pass

Contents

1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

(FCC Registration No.: 752051)
(Test site Industry Canada No.: 5077A-2)

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

The tests at the test site have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Transmitter spurious emissions				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2017-01-09
Test Receiver	Rohde & Schwarz	ESCS30	100307	2017-01-09
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2017-01-09
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2017-01-09
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2017-01-09
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2017-01-09
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	2017-01-09
Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	2017-01-09
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2017-01-09
RF Coaxial Cable	SUHNER	N-3m	No.8	2017-01-09
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2017-01-09
RF Coaxial Cable	SUHNER	N-6m	No.10	2017-01-09
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2017-01-09
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2017-01-09
Radio Spectrum Test				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2017-01-09
Vector Signal Generator	Rohde & Schwarz	SMBV100A	260434	2017-01-09
Signal Generator	Rohde & Schwarz	SMB100A	108362	2017-01-09
Open Switch and Control Unit	Rohde & Schwarz	OSP120 + OSP-B157	101244 + 100866	2017-01-09

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Spectrum	< ± 0.60 dB
Radiated emission of transmitter, valid up to 26.5 GHz	< ± 4.42 dB
Conducted Emission	< ± 2.23 dB
Radiated Emission	< ± 4.42 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a wireless mouse, it operates at 2.4GHz ISM band.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	Lenovo Professional Wireless Laser Mouse
Type Designation	MORFJVL
FCC ID	EMJMMORFJVL
IC	4251A-MMORFJVL
Operating Frequency Band	2400MHz ~ 2483.5MHz
Operating Frequency	2402MHz ~ 2479MHz
Channel Separation	1MHz
Number of Channel	78
Extreme Temperature Range	0~+40℃
Operation Voltage	DC 1.5V (via 'AA' size battery)
Modulation	GFSK
Antenna Gain	0.5dBi

3.3 Independent Operation Modes

The basic operation modes are:

A. On
    1. Transmitting
    2. Receiving
B. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Circuit Diagram
- Instruction Manual
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013.

4.3 Special Accessories and Auxiliary Equipment

None.

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test for below 1GHz

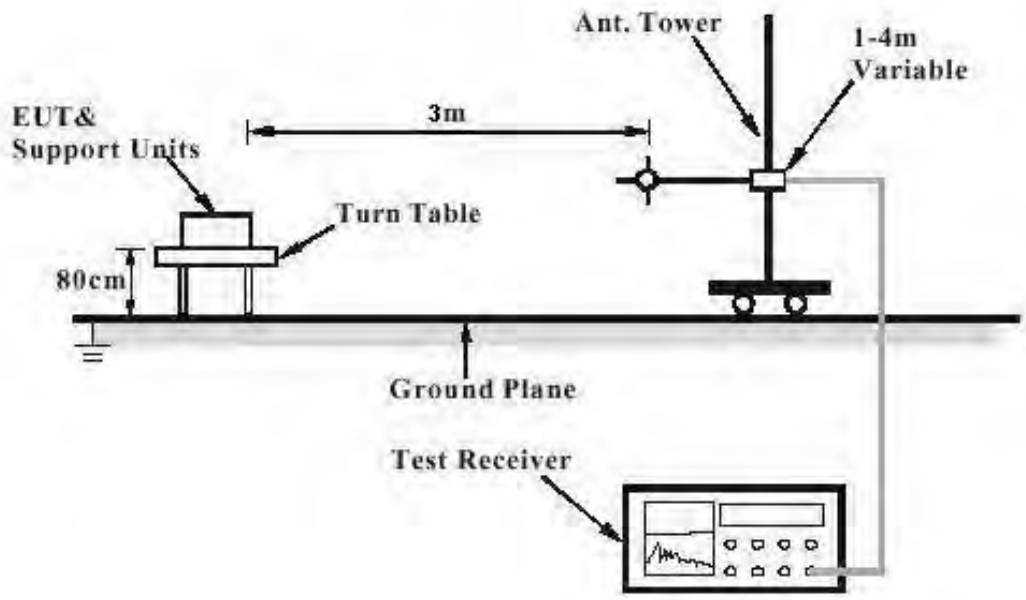


Diagram of Measurement Configuration for Radiation Test for above 1GHz

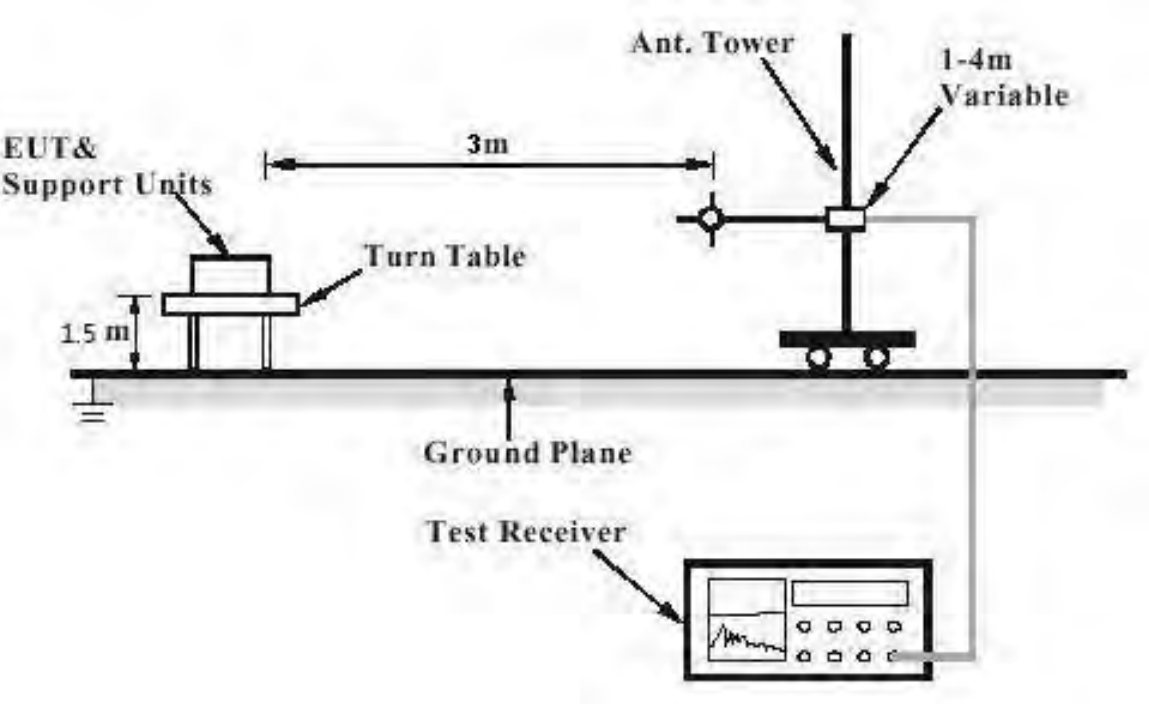
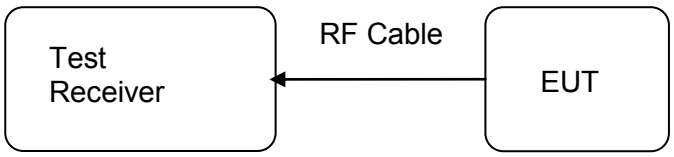


Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Pass**

Test standard	:	Part 15.203 RSS-Gen 8.3
Limit	:	the use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 0.5dBi, therefore the EUT is considered sufficient to comply with the provision.

5.1.2 20dB Bandwidth and 99% Bandwidth

RESULT: **Pass**

Date of testing	:	2016-06-22
Test standard	:	FCC Part 15.215 (c) RSS-Gen clause 6.6
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded room

Test setup

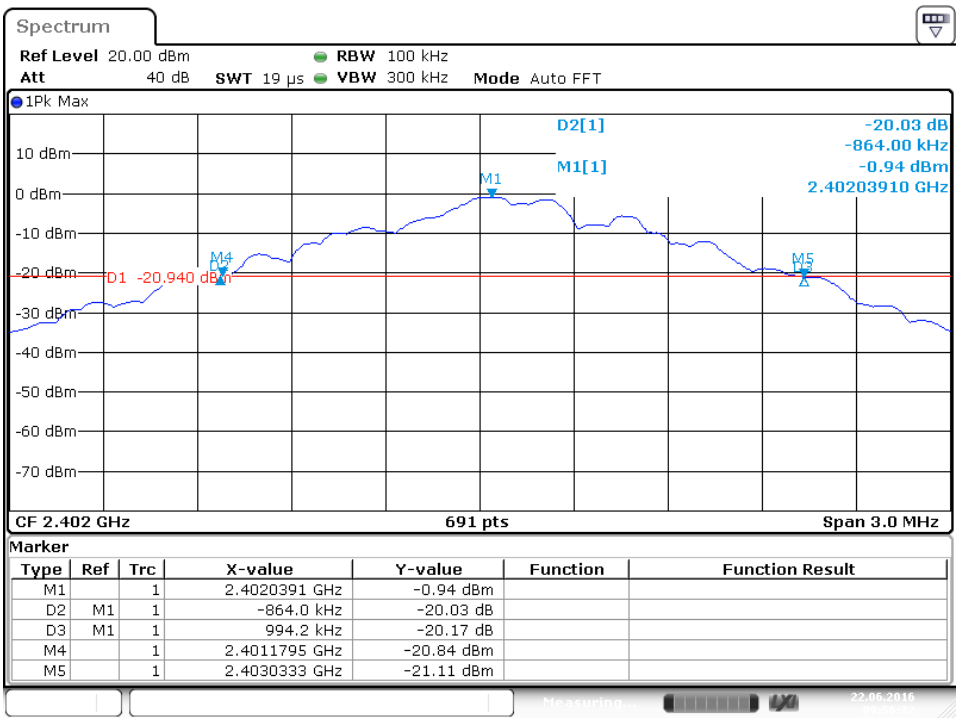
Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1
Ambient temperature	:	21℃
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 4: Test result of 20dB & 99% Bandwidth

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	1.858	1.810
Mid Channel	2441	2.002	1.780
High Channel	2479	1.928	1.789

For details refer to following test plot.

Test Plot of 20dB Bandwidth



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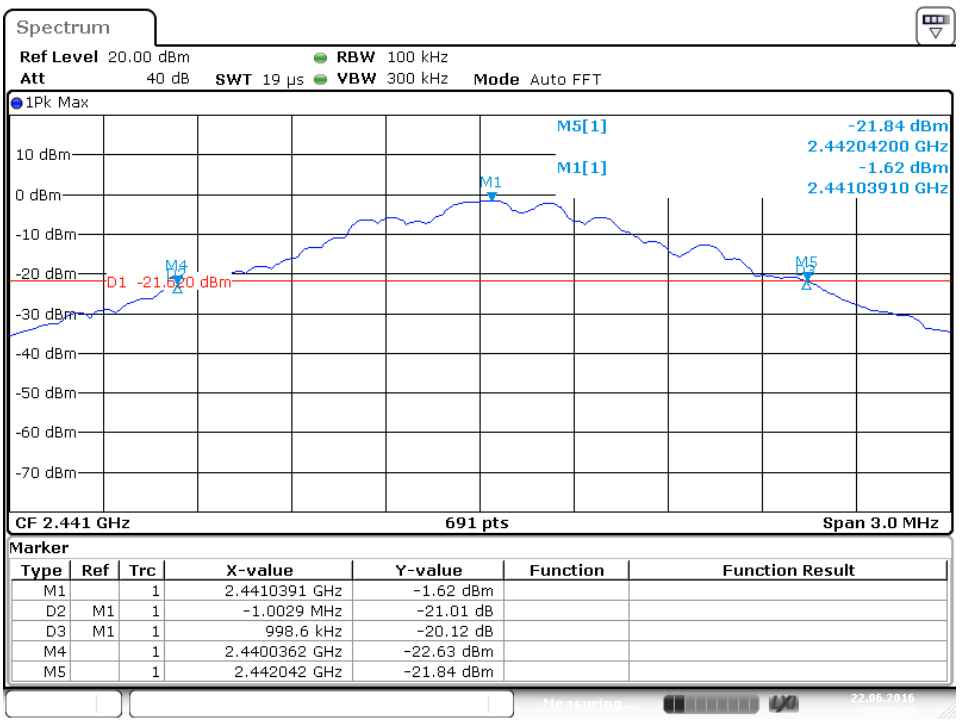

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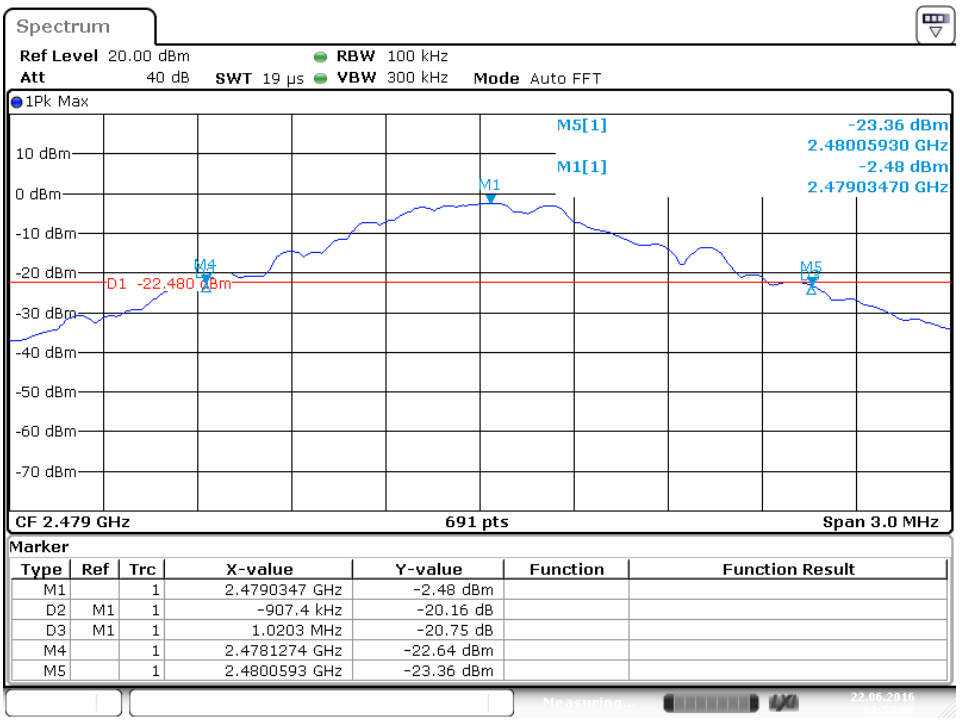

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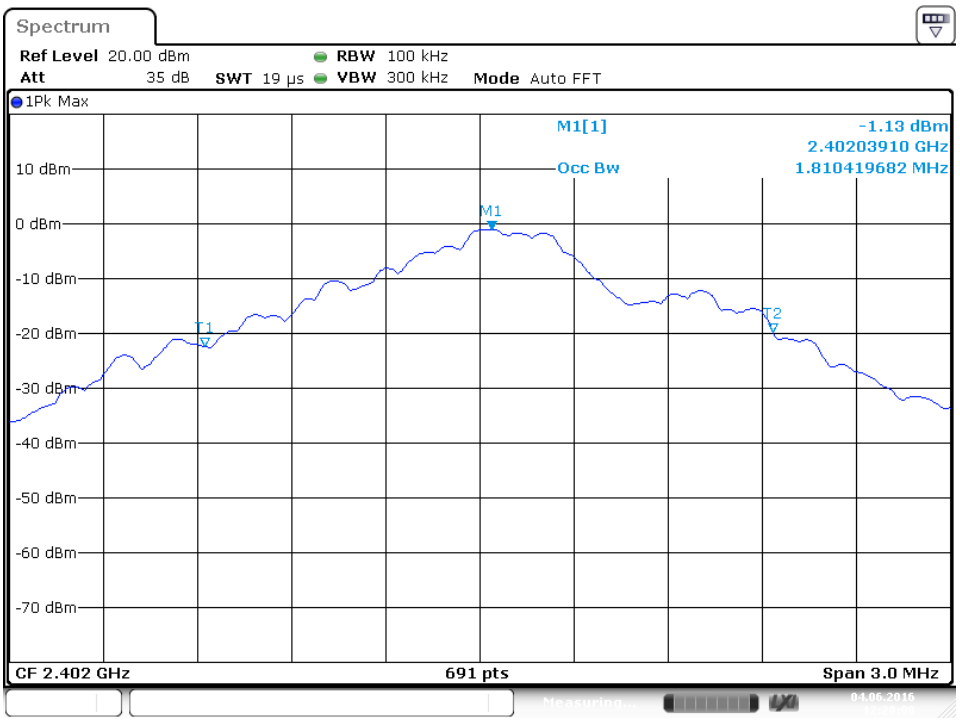
Test Plot of 99% Bandwidth



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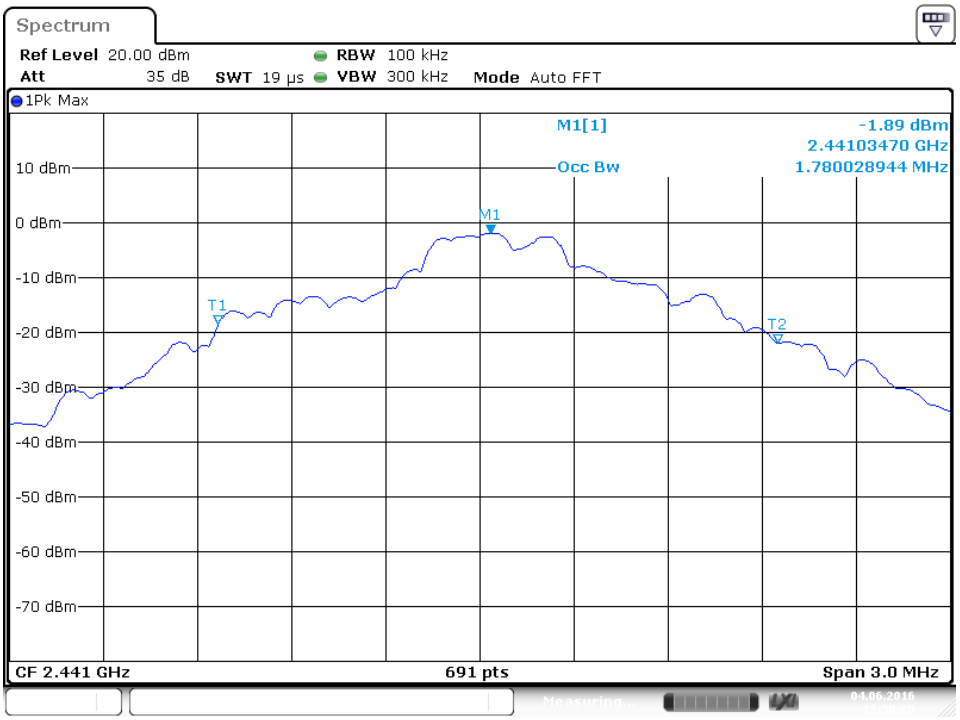

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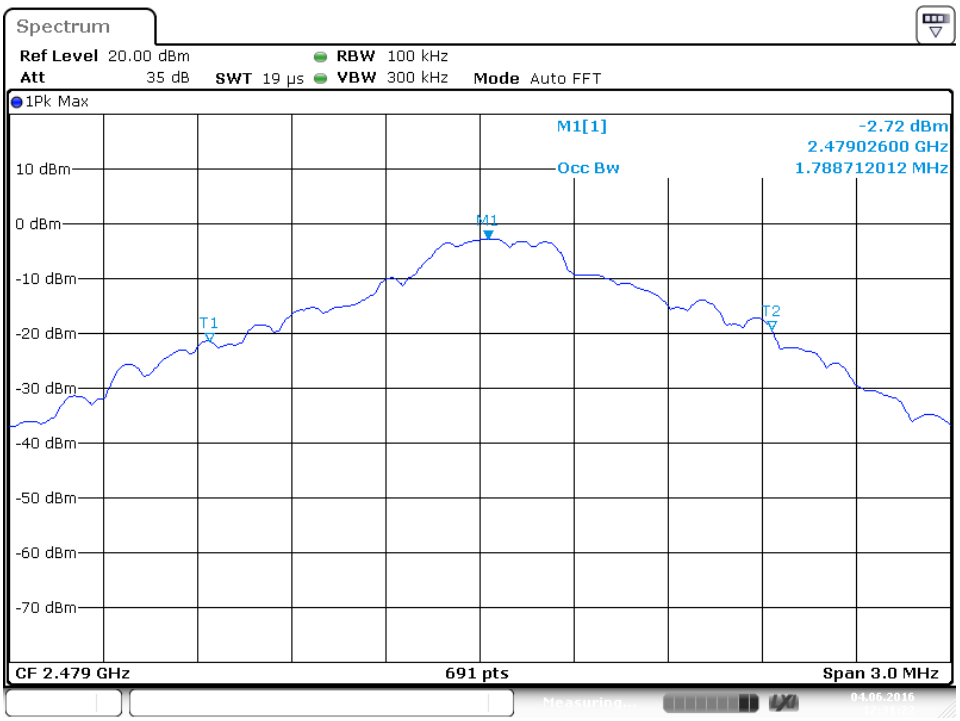


Date: 4.JUN.2016 12:31:22

5.1.3 Fundamental & Harmonics Radiated Emission

RESULT: **Pass**

Date of testing	:	2016-06-07
Test standard	:	FCC part 15.249(a) RSS-210 Clause A2.9
Basic standard	:	ANSI C63.10: 2013
Limits	:	FCC part 15.249(a)
Kind of test site	:	3m Semi-Anechoic Chamber & Anechoic Chamber

Test setup

Test channel	:	Low/ Middle/ High
Operation mode	:	A.1
Ambient temperature	:	23℃
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

Table 5: Polarization of the measurement for the larger power level channel 2402MHz: Vertical

Test conditions		Fundamental Frequency		Harmonic Frequency	
		2402MHz		---	
	Unit	(dBµV/m)	(mV/m)	(dBµV/m)	(µV/m)
T_{nom}(25ºC)	Horizontal	86.20	20.417	---	---
	Vertical	86.75	21.752	---	---
Limit		94	50	54	500

The final measurement for frequencies below 1000MHz is performed with Quasi Peak detector; the final measurement for frequencies above 1000MHz is performed with Average detector.

The worst case was shown in above Table 5.

Disturbance other than those mentioned are small or not detectable.

For details refer to following test plot.

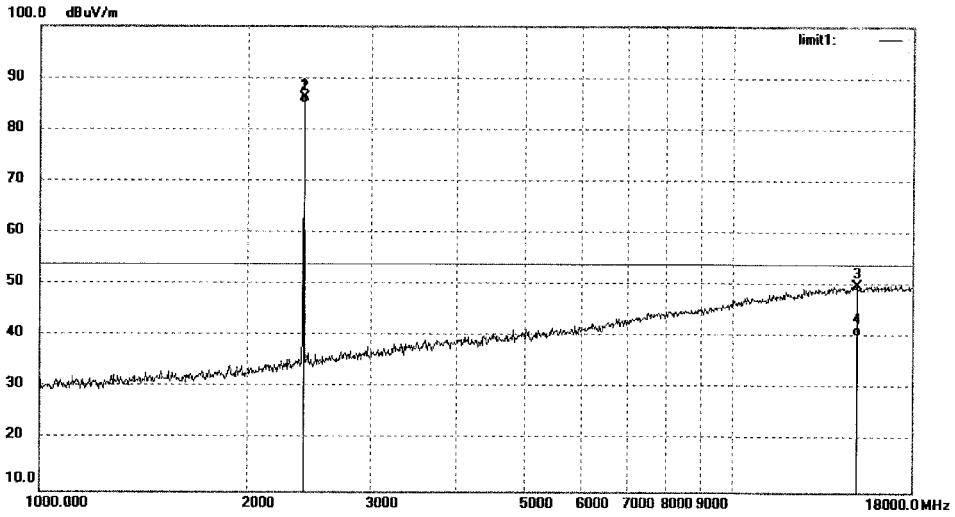
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lenovo #1046
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2402MHz
Model: MORFJVL
Manufacturer:

Polarization: Horizontal
Power Source: DC 3V
Date: 16/06/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



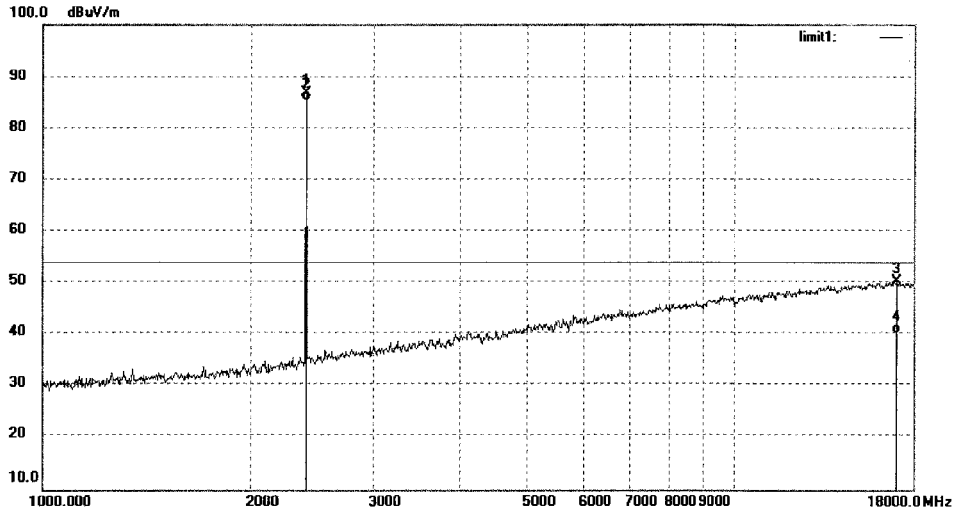
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	93.66	-7.46	86.20	114.00	-27.80	peak			
2	2402.000	92.46	-7.46	85.00	94.00	-9.00	AVG			
3	14960.120	8.83	41.22	50.05	74.00	-23.95	peak			
4	14960.120	-0.86	41.22	40.36	54.00	-13.64	AVG			

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.: lenovo #1045	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: MORFJVL	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	94.21	-7.46	86.75	114.00	-27.25	peak			
2	2402.000	92.71	-7.46	85.25	94.00	-8.75	AVG			
3	17038.146	8.45	41.85	50.30	74.00	-23.70	peak			
4	17038.146	-1.62	41.85	40.23	54.00	-13.77	AVG			

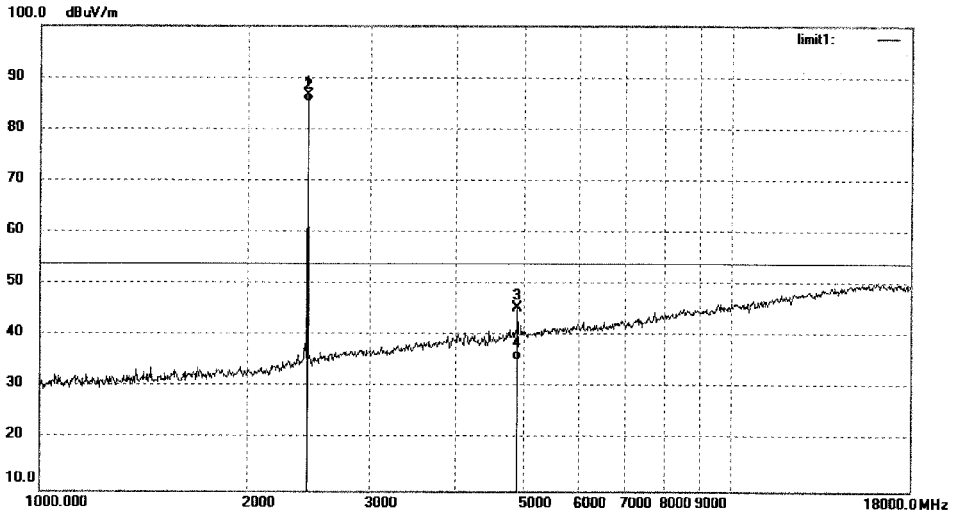
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lenovo #1047
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2441MHz
Model: MORFJVL
Manufacturer:

Polarization: Horizontal
Power Source: DC 3V
Date: 16/06/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	93.97	-7.35	86.62	114.00	-27.38	peak			
2	2441.000	92.58	-7.35	85.23	94.00	-8.77	AVG			
3	4882.025	45.16	0.17	45.33	74.00	-28.67	peak			
4	4882.025	35.10	0.17	35.27	54.00	-18.73	AVG			

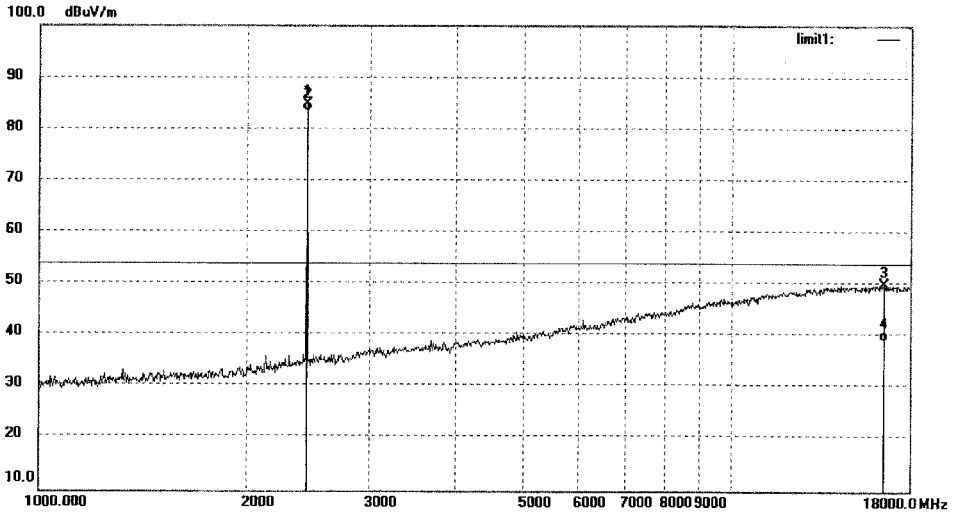
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lenovo #1048
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2441MHz
Model: MORFJVL
Manufacturer:

Polarization: Vertical
Power Source: DC 3V
Date: 16/06/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



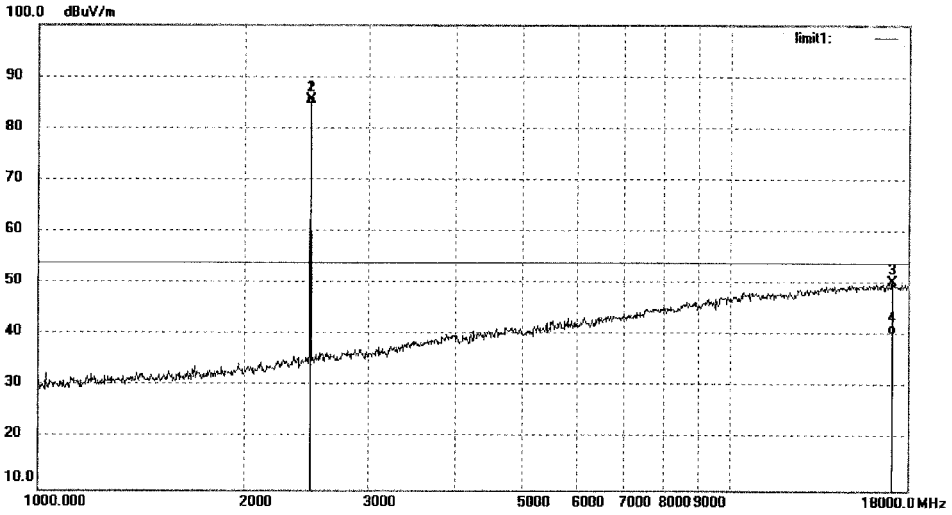
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	92.10	-7.35	84.75	114.00	-29.25	peak			
2	2441.000	90.87	-7.35	83.52	94.00	-10.48	AVG			
3	16504.954	9.54	40.31	49.85	74.00	-24.15	peak			
4	16504.954	-1.07	40.31	39.24	54.00	-14.76	AVG			

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.: lenovo #1050	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2479MHz	Distance: 3m
Model: MORFJVL	
Manufacturer:	

Note:



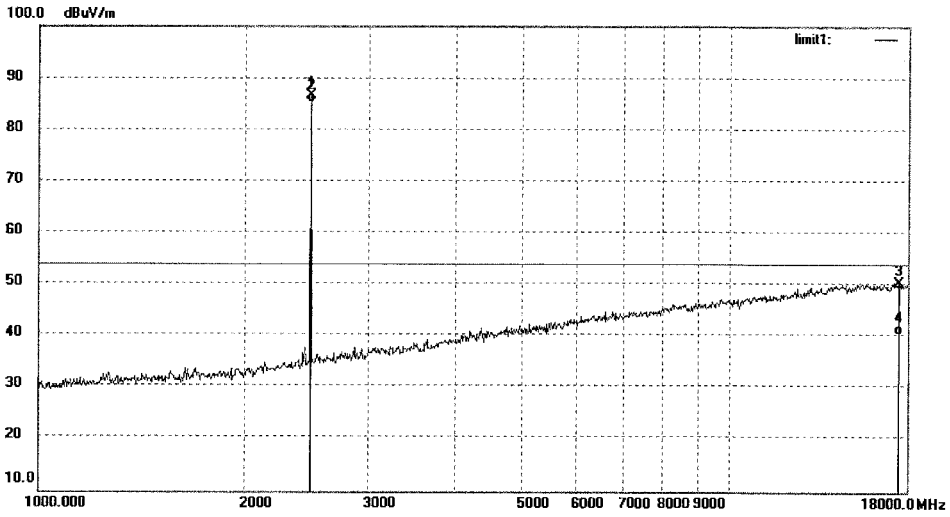
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2479.000	92.82	-7.37	85.45	114.00	-28.55	peak			
2	2479.000	91.96	-7.37	84.59	94.00	-9.41	AVG			
3	17087.464	8.35	42.05	50.40	74.00	-23.60	peak			
4	17087.464	-1.82	42.05	40.23	54.00	-13.77	AVG			

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.: lenovo #1049	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2479MHz	Distance: 3m
Model: MORFJVL	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2479.000	93.94	-7.37	86.57	114.00	-27.43	peak			
2	2479.000	92.60	-7.37	85.23	94.00	-8.77	AVG			
3	17487.180	6.80	43.65	50.45	74.00	-23.55	peak			
4	17487.180	-3.12	43.65	40.53	54.00	-13.47	AVG			

5.1.4 Radiated emissions outside of the band

RESULT: **Pass**

Date of testing	:	2016-06-10
Test standard	:	FCC Part 15.209(a) FCC Part 15.249(d) RSS-210 Clause A2.9(b)
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	0.009 – 26500MHz*
Limits	:	FCC Part 15.209(a) FCC Part 15.249(d)
Kind of test site	:	3m Semi-Anechoic Chamber & Anechoic Chamber

Test Setup

Test channel	:	Low/ Middle/ High
Operation mode	:	A.1
Ambient temperature	:	23℃
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

Test Plot of Radiated emissions outside band

ACCURATE TECHNOLOGY CO., LTD.

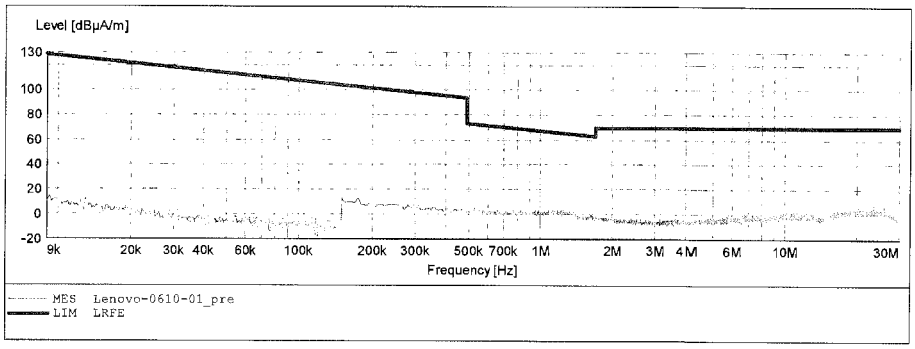
FCC Class B 3M Radiated

EUT:	Lenovo Professional Wireless Laser Mouse M/N:MORFJVL
Manufacturer:	
Operating Condition:	TX 2402MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 3V
Comment:	X
Start of Test:	2016-06-10 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO., LTD.

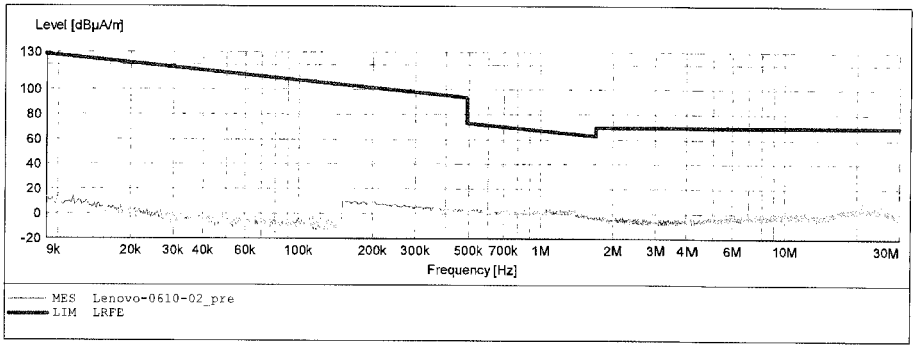
FCC Class B 3M Radiated

EUT:	Lenovo Professional Wireless Laser Mouse M/N:MORFJVL
Manufacturer:	
Operating Condition:	TX 2402MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 3V
Comment:	Y
Start of Test:	2016-06-10 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO., LTD.

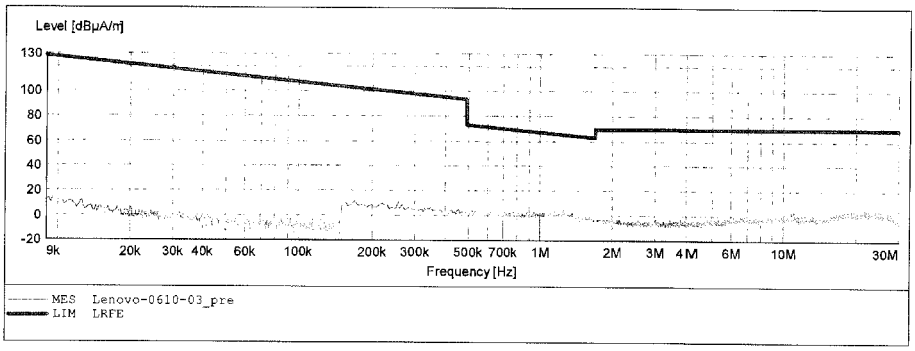
FCC Class B 3M Radiated

EUT: Lenovo Professional Wireless Laser Mouse M/N:MORFJVL
Manufacturer:
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: DC 3V
Comment: Z
Start of Test: 2016-06-10 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO., LTD.

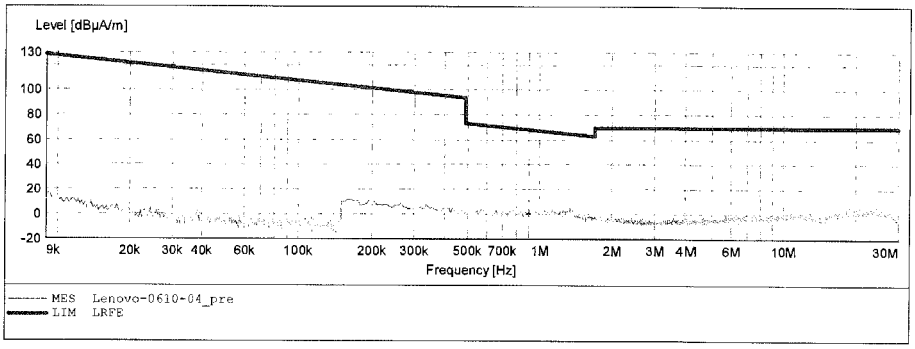
FCC Class B 3M Radiated

EUT:	Lenovo Professional Wireless Laser Mouse M/N:MORFJVL
Manufacturer:	
Operating Condition:	TX 2441MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 3V
Comment:	X
Start of Test:	2016-06-10 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO., LTD.

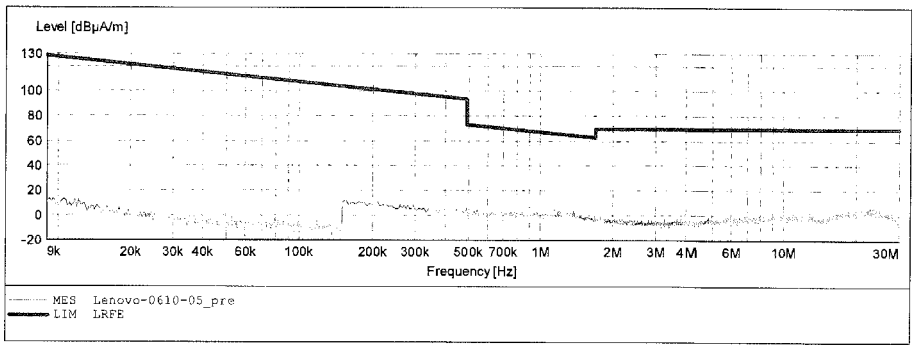
FCC Class B 3M Radiated

EUT: Lenovo Professional Wireless Laser Mouse M/N:MORFJVL
Manufacturer:
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: DC 3V
Comment: Y
Start of Test: 2016-06-10 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO., LTD.

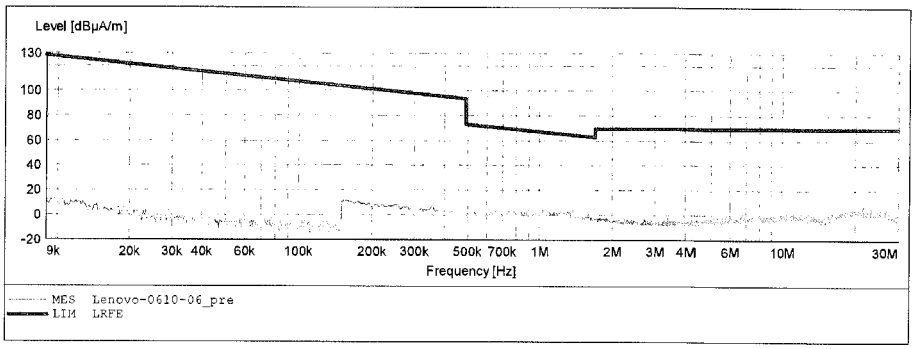
FCC Class B 3M Radiated

EUT: Lenovo Professional Wireless Laser Mouse M/N:MORFJVL
Manufacturer:
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: DC 3V
Comment: Z
Start of Test: 2016-06-10 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO., LTD.

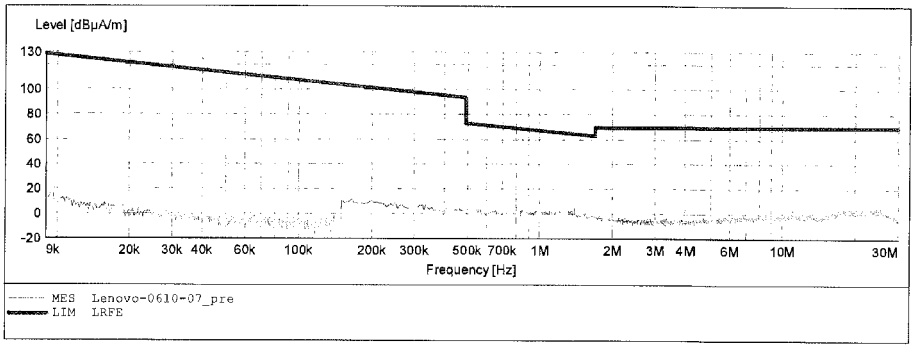
FCC Class B 3M Radiated

EUT: Lenovo Professional Wireless Laser Mouse M/N:MORFJVL
Manufacturer:
Operating Condition: TX 2479MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: DC 3V
Comment: X
Start of Test: 2016-06-10 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO., LTD.

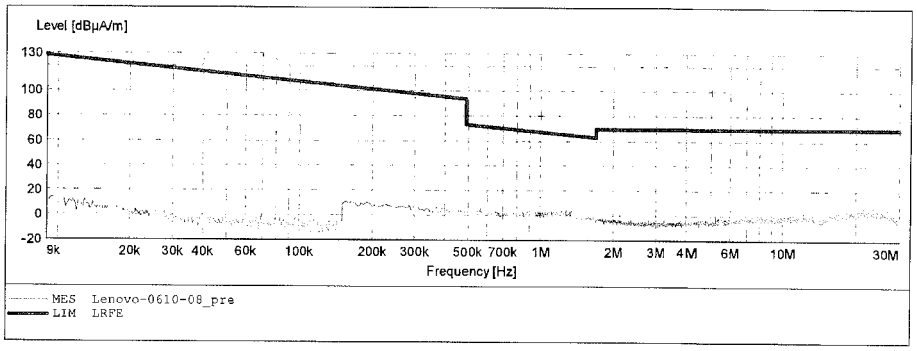
FCC Class B 3M Radiated

EUT:	Lenovo Professional Wireless Laser Mouse M/N:MORFJVL
Manufacturer:	
Operating Condition:	TX 2479MHz
Test Site:	2# Chamber
Operator:	LGWADE
Test Specification:	DC 3V
Comment:	Y
Start of Test:	2016-06-10 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



ACCURATE TECHNOLOGY CO., LTD.

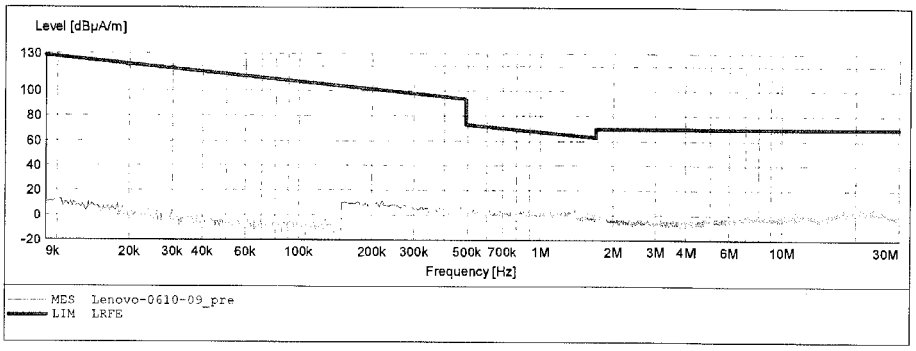
FCC Class B 3M Radiated

EUT: Lenovo Professional Wireless Laser Mouse M/N:MORFJVL
Manufacturer:
Operating Condition: TX 2479MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: DC 3V
Comment: Z
Start of Test: 2016-06-10 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



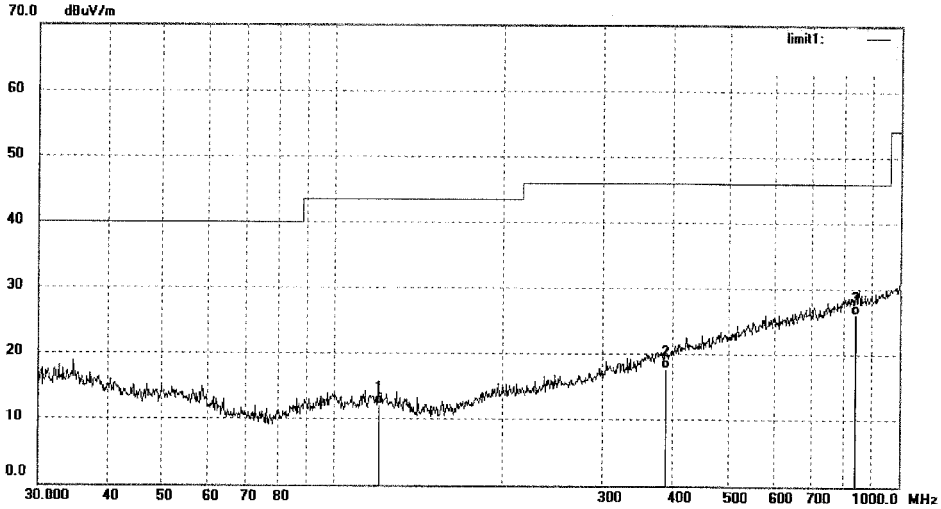
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lenovo #1015
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2402MHz
Model: MORFJVL
Manufacturer:

Polarization: Horizontal
Power Source: DC 3V
Date: 16/06/04/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	120.2766	25.35	-13.18	12.17	43.50	-31.33	QP			
2	387.9920	25.06	-7.25	17.81	46.00	-28.19	QP			
3	839.1817	25.60	0.64	26.24	46.00	-19.76	QP			

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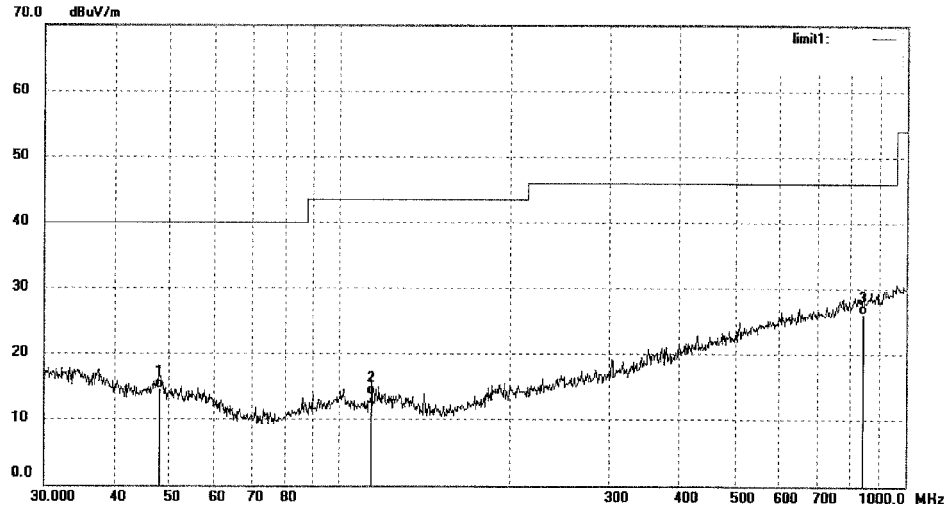
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lenovo #1016	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/04/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: MORFJVL	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	48.1625	27.15	-12.61	14.54	40.00	-25.46	QP			
2	114.1137	27.06	-13.29	13.77	43.50	-29.73	QP			
3	842.1295	25.59	0.66	26.25	46.00	-19.75	QP			

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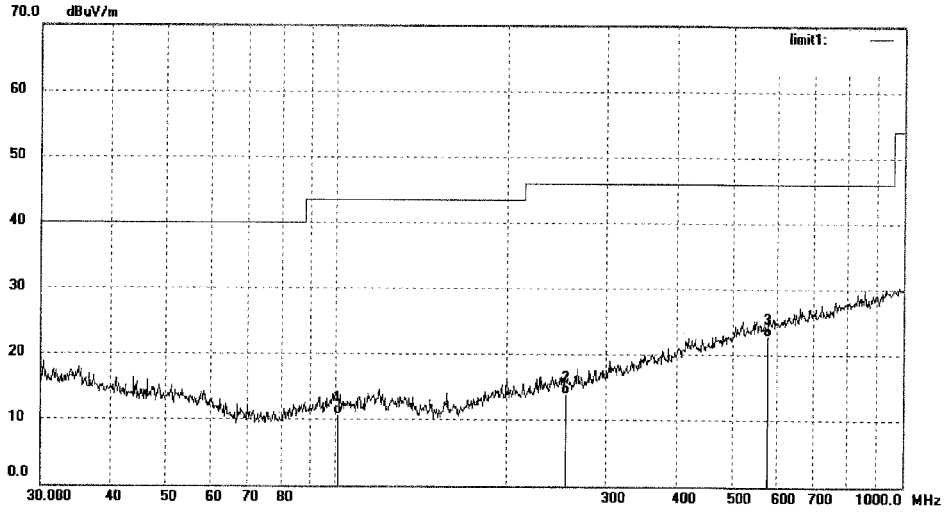
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lenovo #1018	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/04/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: MORFJVL	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	100.9339	24.00	-13.28	10.72	43.50	-32.78	QP			
2	254.7283	24.61	-10.76	13.85	46.00	-32.15	QP			
3	580.7025	25.95	-3.12	22.83	46.00	-23.17	QP			

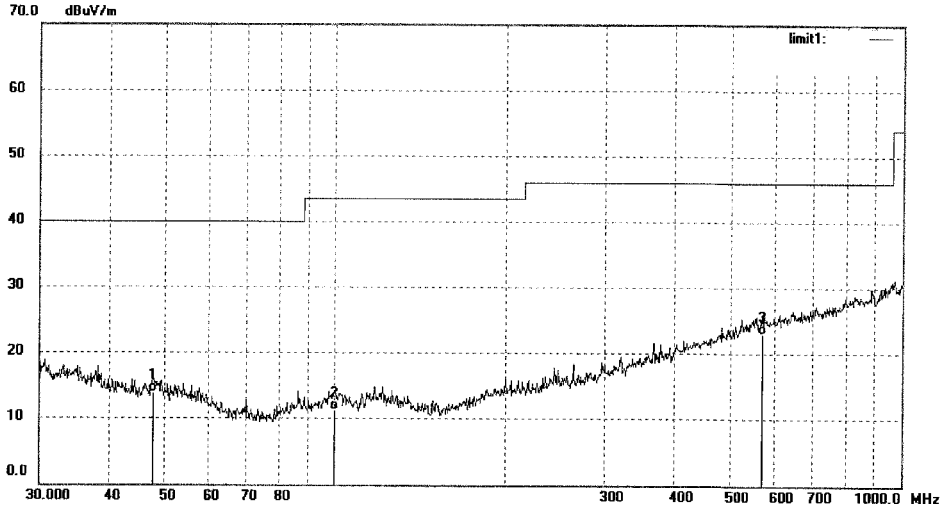
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lenovo #1017
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2441MHz
Model: MORFJVL
Manufacturer:

Polarization: Vertical
Power Source: DC 3V
Date: 16/06/04/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	47.8260	26.45	-12.62	13.83	40.00	-26.17	QP			
2	99.8777	24.37	-13.16	11.21	43.50	-32.29	QP			
3	568.6127	26.37	-3.34	23.03	46.00	-22.97	QP			

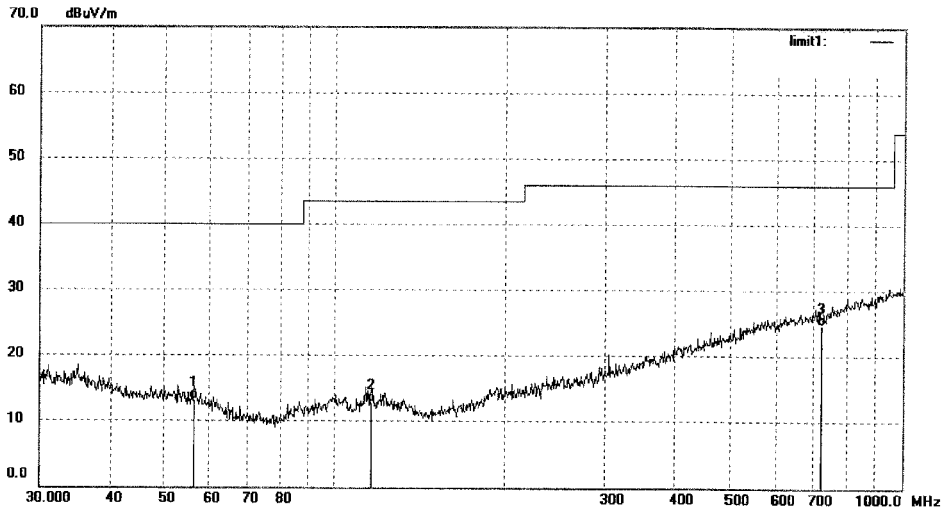
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lenovo #1019
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2479MHz
Model: MORFJVL
Manufacturer:

Polarization: Horizontal
Power Source: DC 3V
Date: 16/06/04/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	56.1974	26.39	-13.21	13.18	40.00	-26.82	QP			
2	116.1320	26.02	-13.15	12.87	43.50	-30.63	QP			
3	721.7259	26.15	-1.46	24.69	46.00	-21.31	QP			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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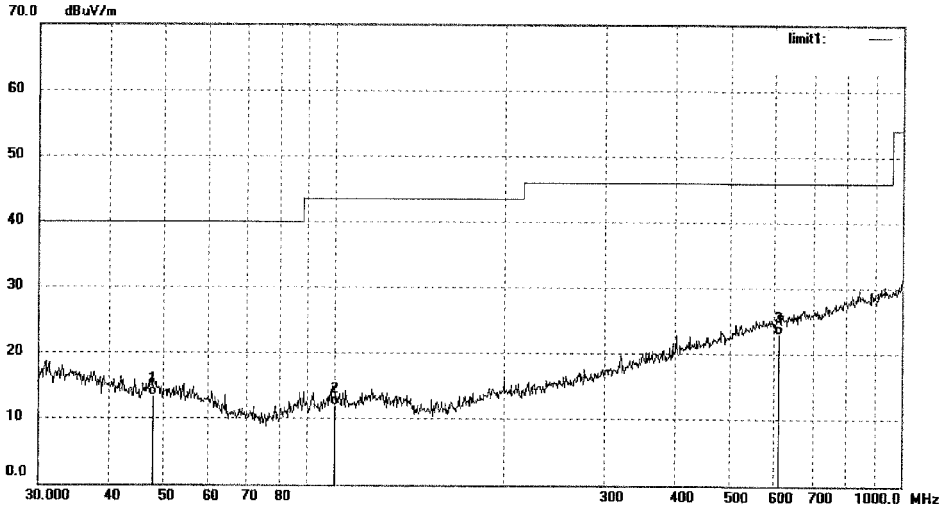
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1020
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2479MHz
Model: MORFJVL
Manufacturer:

Polarization: Vertical
Power Source: DC 3V
Date: 16/06/04/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	47.8260	26.00	-12.62	13.38	40.00	-26.62	QP			
2	100.2286	25.07	-13.16	11.91	43.50	-31.59	QP			
3	609.9215	25.87	-2.79	23.08	46.00	-22.92	QP			

ACCURATE TECHNOLOGY CO., LTD.
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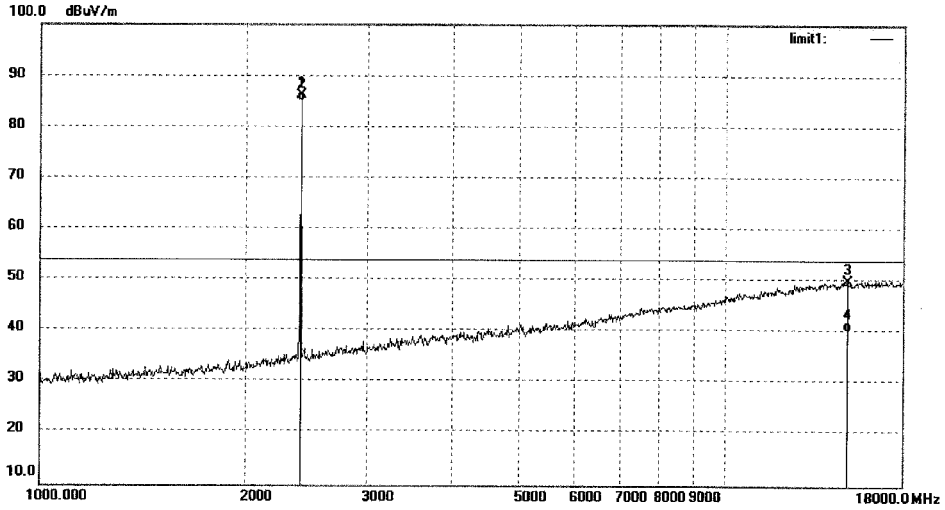
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1046	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: MORFJVL	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	93.66	-7.46	86.20	/	/	peak			
2	2402.000	92.46	-7.46	85.00	/	/	AVG			
3	14960.120	8.83	41.22	50.05	74.00	-23.95	peak			
4	14960.120	-0.86	41.22	40.36	54.00	-13.64	AVG			

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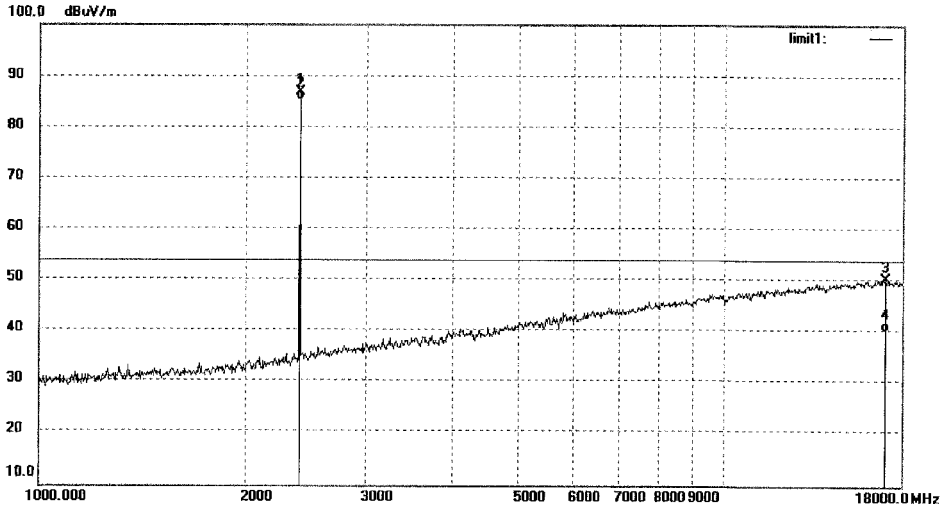
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1045	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: MORFJVL	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	94.21	-7.46	86.75	/	/	peak			
2	2402.000	92.71	-7.46	85.25	/	/	AVG			
3	17038.146	8.45	41.85	50.30	74.00	-23.70	peak			
4	17038.146	-1.62	41.85	40.23	54.00	-13.77	AVG			

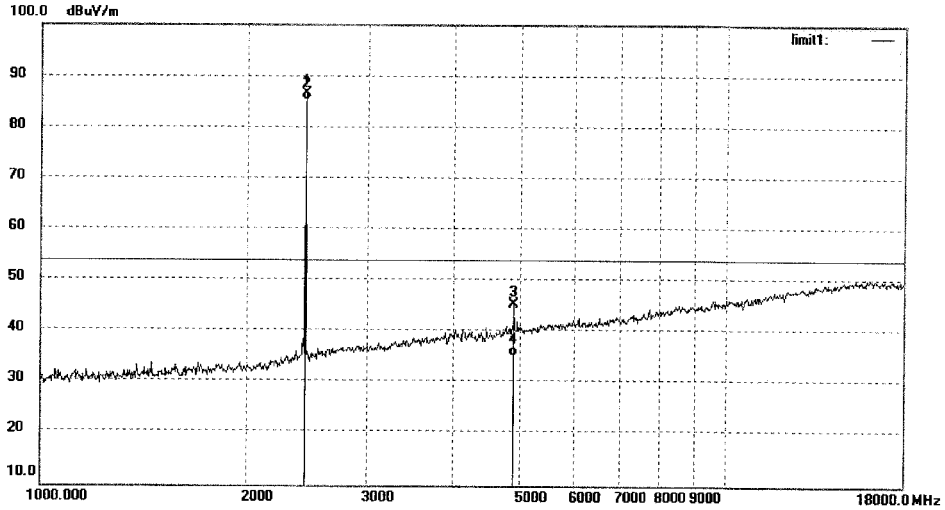
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lenovo #1047
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2441MHz
Model: MORFJVL
Manufacturer:

Polarization: Horizontal
Power Source: DC 3V
Date: 16/06/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:

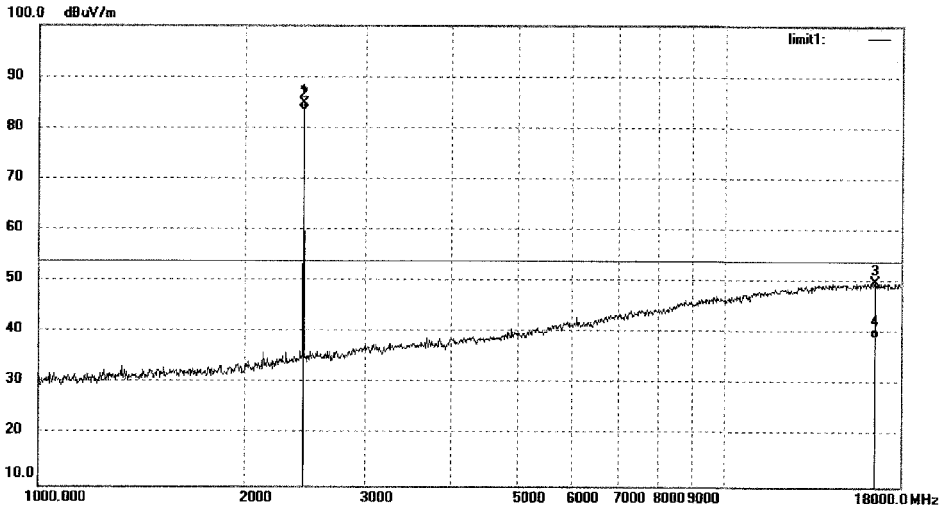


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	93.97	-7.35	86.62	/	/	peak			
2	2441.000	92.58	-7.35	85.23	/	/	AVG			
3	4882.025	45.16	0.17	45.33	74.00	-28.67	peak			
4	4882.025	35.10	0.17	35.27	54.00	-18.73	AVG			

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.: lenovo #1048	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: MORFJVL	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	92.10	-7.35	84.75	/	/	peak			
2	2441.000	90.87	-7.35	83.52	/	/	AVG			
3	16504.954	9.54	40.31	49.85	74.00	-24.15	peak			
4	16504.954	-1.07	40.31	39.24	54.00	-14.76	AVG			

ACCURATE TECHNOLOGY CO., LTD.
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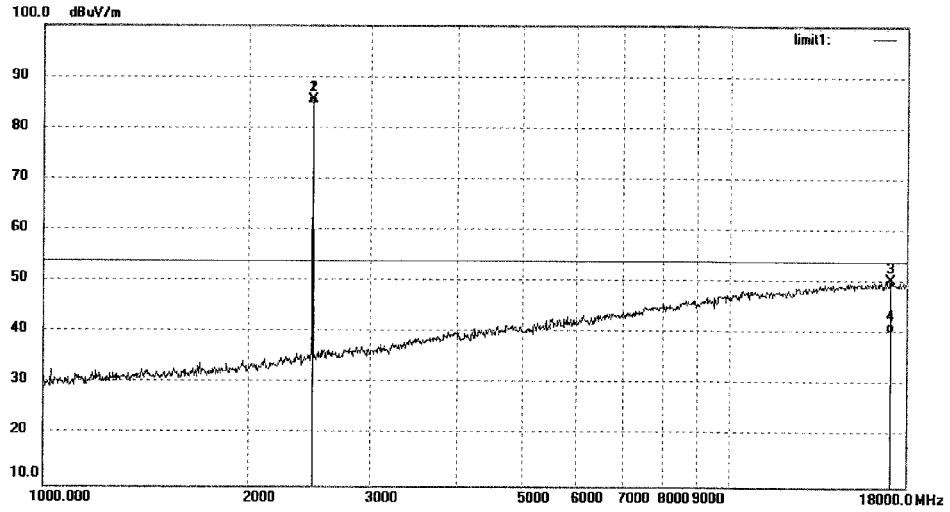
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ienovo #1050	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2479MHz	Distance: 3m
Model: MORFJVL	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2479.000	92.82	-7.37	85.45	/	/	peak			
2	2479.000	91.96	-7.37	84.59	/	/	AVG			
3	17087.464	8.35	42.05	50.40	74.00	-23.60	peak			
4	17087.464	-1.82	42.05	40.23	54.00	-13.77	AVG			

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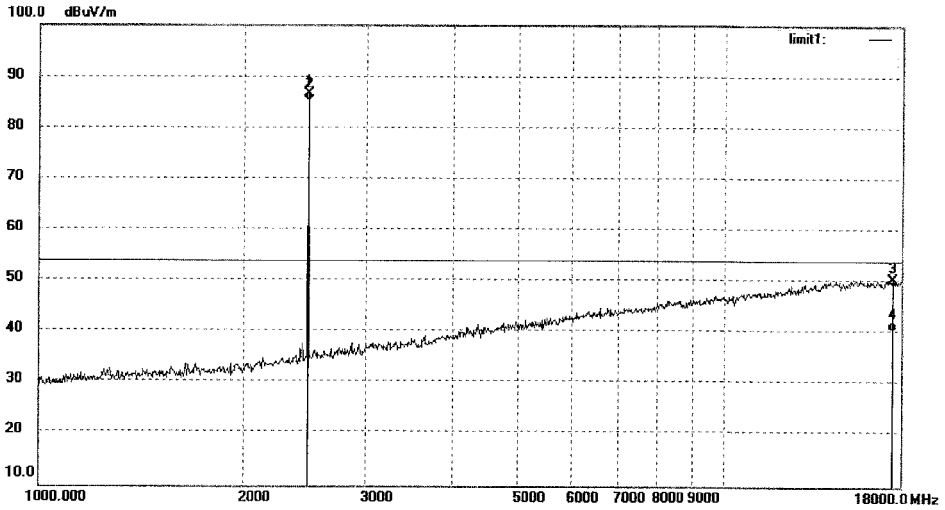
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ienovo #1049	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2479MHz	Distance: 3m
Model: MORFJVL	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2479.000	93.94	-7.37	86.57	/	/	peak			
2	2479.000	92.60	-7.37	85.23	/	/	AVG			
3	17487.180	6.80	43.65	50.45	74.00	-23.55	peak			
4	17487.180	-3.12	43.65	40.53	54.00	-13.47	AVG			

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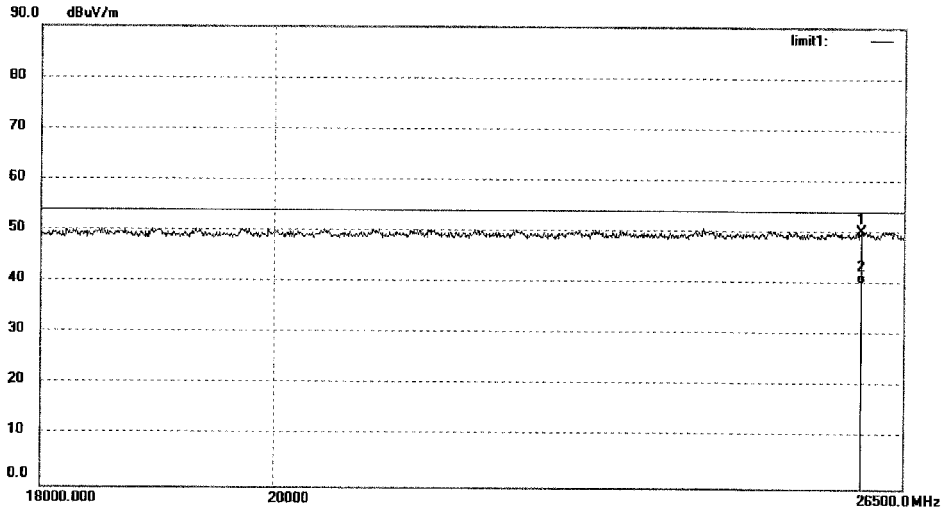
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1055
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2402MHz
Model: MORFJVL
Manufacturer:

Polarization: Horizontal
Power Source: DC 3V
Date: 16/06/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26002.504	33.80	16.50	50.30	74.00	-23.70	peak			
2	26002.504	23.75	16.50	40.25	54.00	-13.75	AVG			

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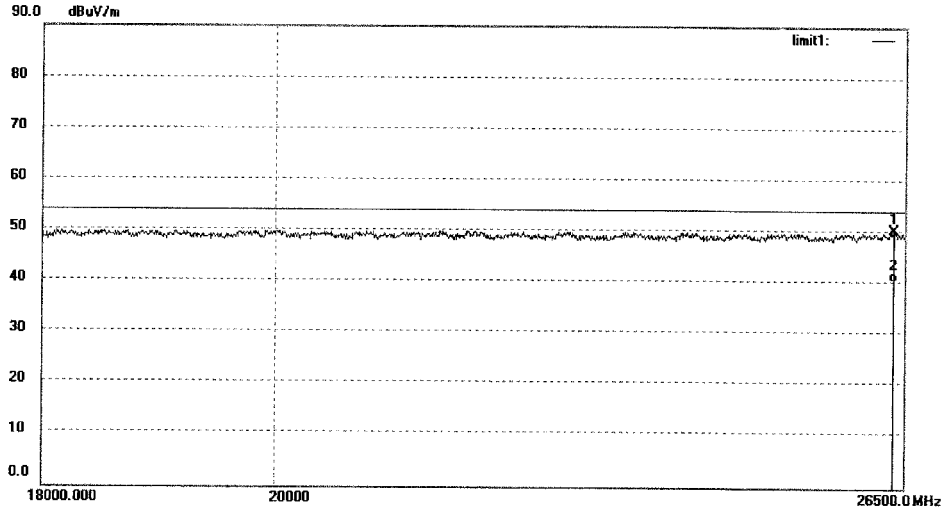
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1056
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2402MHz
Model: MORFJVL
Manufacturer:

Polarization: Vertical
Power Source: DC 3V
Date: 16/06/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26367.091	33.22	16.99	50.21	74.00	-23.79	peak			
2	26367.091	23.29	16.99	40.28	54.00	-13.72	QP			

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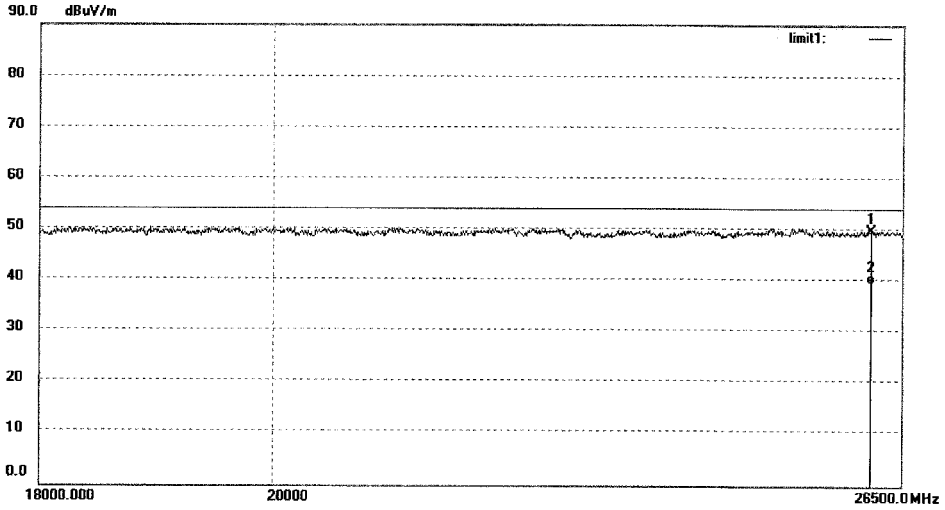
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1058	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: MORFJVL	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26133.575	33.39	16.50	49.89	74.00	-24.11	peak			
2	26133.575	22.95	16.50	39.45	54.00	-14.55	AVG			

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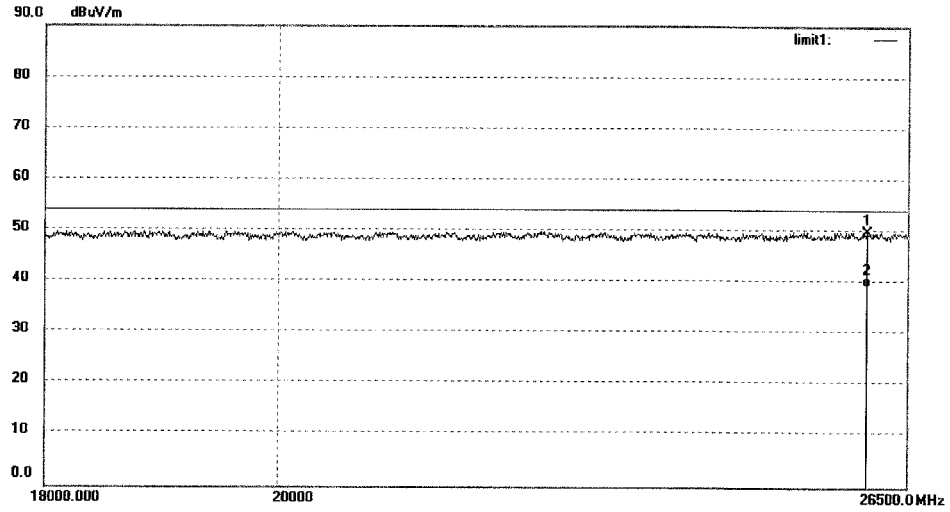
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1057
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2441MHz
Model: MORFJVL
Manufacturer:

Polarization: Vertical
Power Source: DC 3V
Date: 16/06/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26032.693	32.63	17.21	49.84	74.00	-24.16	peak			
2	26032.693	22.04	17.21	39.25	54.00	-14.75	AVG			

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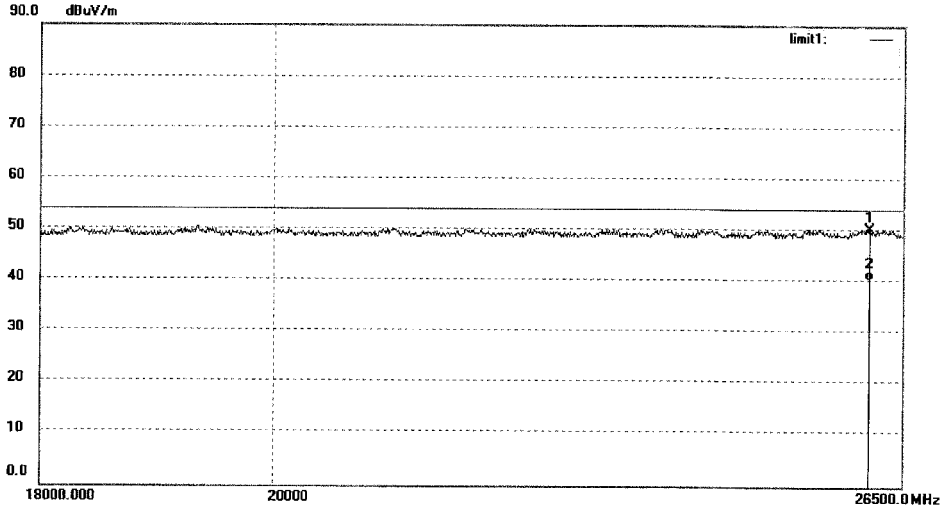
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lenovo #1059
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2479MHz
Model: MORFJVL
Manufacturer:

Polarization: Horizontal
Power Source: DC 3V
Date: 16/06/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26113.368	33.77	16.50	50.27	74.00	-23.73	peak			
2	26113.368	23.89	16.50	40.39	54.00	-13.61	AVG			

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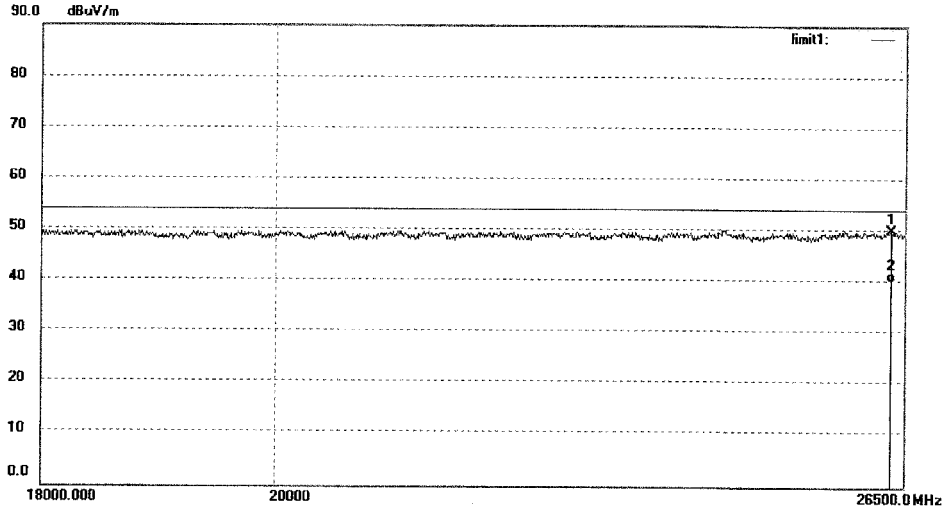
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1060
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2479MHz
Model: MORFJVL
Manufacturer:

Polarization: Vertical
Power Source: DC 3V
Date: 16/06/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26336.515	33.06	17.01	50.07	74.00	-23.93	peak			
2	26336.515	23.22	17.01	40.23	54.00	-13.77	AVG			

Test Plot of Frequency Band Edge

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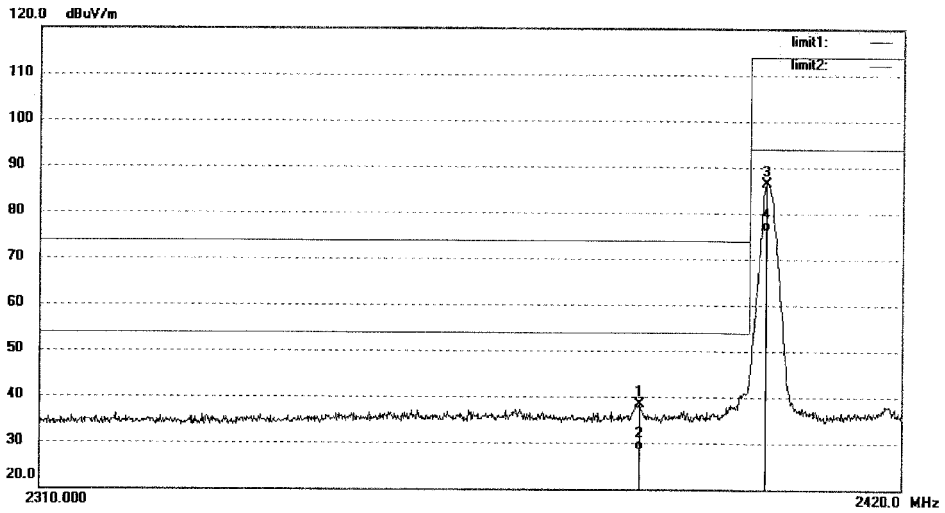
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1051	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: MORFJVL	
Manufacturer: Lenovo	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2386.340	45.85	-7.55	38.30	74.00	-35.70	peak			
2	2386.340	35.94	-7.55	28.39	54.00	-25.61	AVG			
3	2402.000	93.76	-7.45	86.31	114.00	-27.69	peak			
4	2402.000	83.70	-7.45	76.25	94.00	-17.75	AVG			

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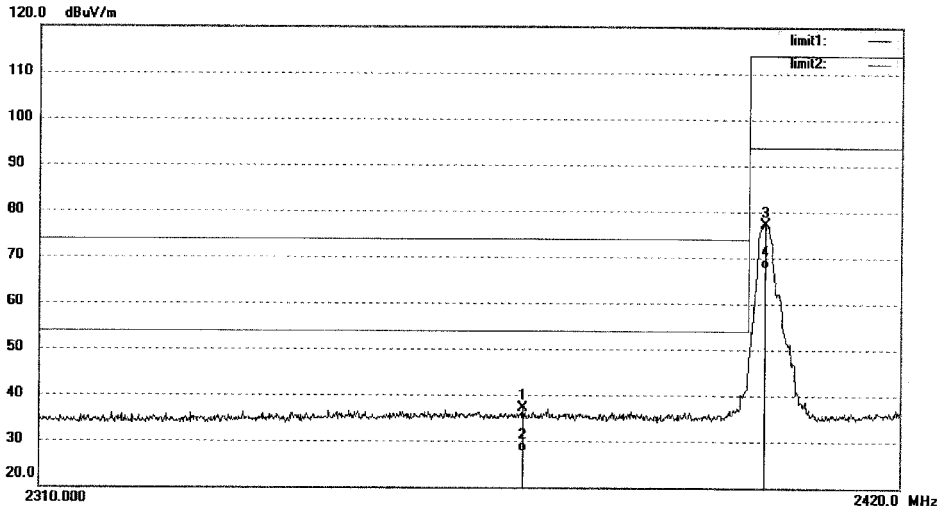
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: lenovo #1052	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: MORFJVL	
Manufacturer: Lenovo	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2371.270	44.85	-7.64	37.21	74.00	-36.79	peak			
2	2371.270	35.18	-7.64	27.54	54.00	-26.46	AVG			
3	2402.000	84.68	-7.45	77.23	114.00	-36.77	peak			
4	2402.000	75.04	-7.45	67.59	94.00	-26.41	AVG			

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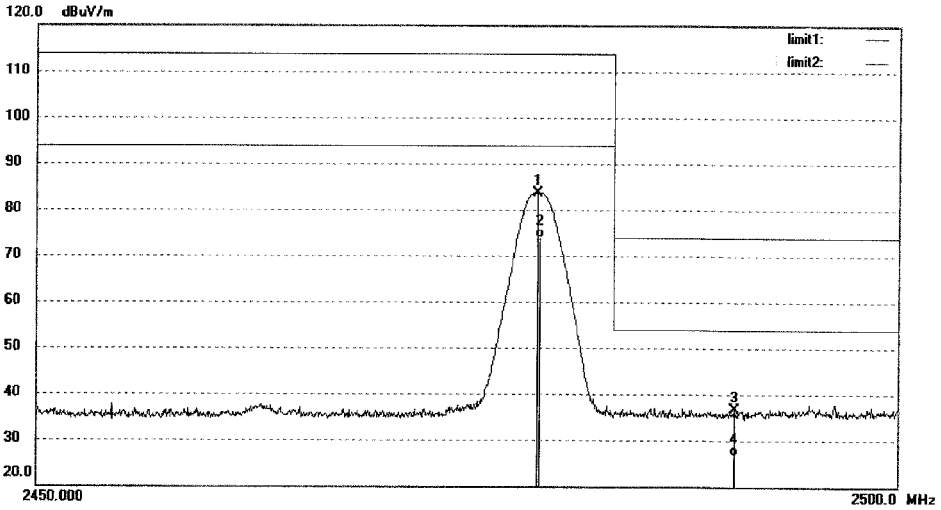
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1054
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Lenovo Professional Wireless Laser Mouse
Mode: TX 2479MHz
Model: MORFJVL
Manufacturer: Lenovo

Polarization: Horizontal
Power Source: DC 3V
Date: 16/06/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2479.000	90.98	-7.37	83.61	114.00	-30.39	peak			
2	2479.000	81.26	-7.37	73.89	94.00	-20.11	AVG			
3	2490.350	44.07	-7.39	36.68	74.00	-37.32	peak			
4	2490.350	33.95	-7.39	26.56	54.00	-27.44	AVG			

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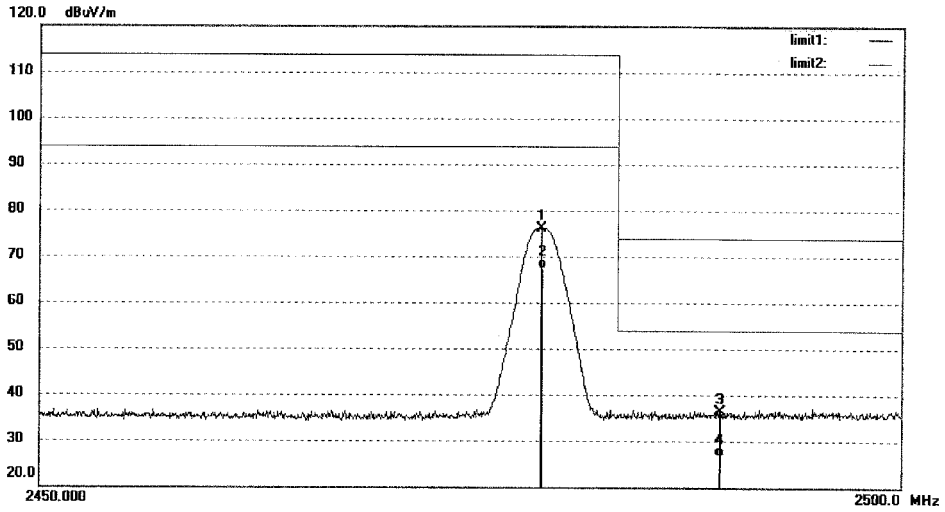
Fax:+86-0755-26503396

Job No.: lenovo #1053	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3V
Test item: Radiation Test	Date: 16/06/07/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Lenovo Professional Wireless Laser Mouse	Engineer Signature: LGWADE
Mode: TX 2479MHz	Distance: 3m
Model: MORFJVL	
Manufacturer: Lenovo	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2479.000	83.50	-7.37	76.13	114.00	-37.87	peak			
2	2479.000	74.72	-7.37	67.35	94.00	-26.65	AVG			
3	2489.450	43.71	-7.39	36.32	74.00	-37.68	peak			
4	2489.450	33.93	-7.39	26.54	54.00	-27.46	AVG			

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Pass**

Test standard : RSS-102 Issue 5 March 2015
FCC KDB Publication 447498 D01 v06

The maximum radiated power of the transmitter is 0.805mW (-0.94dBm) only, which less than 4mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.

Since maximum radiated power of the transmitter is 0.19mW<10mW, and the distance from EUT to human is 5mm, hence the EUT is exclueded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.

8. List of Tables

9. List of Photographs