

Prüfbericht-Nr.: <i>Test Report No.:</i>	17037987 001	Auftrags-Nr.: <i>Order No.:</i>	164010423	Seite 1 von 49 <i>Page 1 of 49</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	09.01.2014	
Auftraggeber: <i>Client:</i>	Mae Tay Precision Co., Ltd. 6F., No.99, Ruihu St., Neihsu Dist., Taipei City, 114, Taiwan			
Prüfgegenstand: <i>Test item:</i>	Wireless Keyboard			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	NS-PNK5011			
Auftrags-Inhalt: <i>Order content:</i>	FCC Certification			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.249 CFR47 FCC Part 15: Subpart C Section 15.209 FCC KDB Publication 447498 v05r01			
Wareneingangsdatum: <i>Date of receipt:</i>	N/A			
Prüfmuster-Nr.: <i>Test sample No.:</i>	N/A			
Prüfzeitraum: <i>Testing period:</i>	04.01.2014 - 06.01.2014			
Ort der Prüfung: <i>Place of testing:</i>	Accurate Technology Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
 29.01.2014 Owen Tian/Project Manager Datum Name / Stellung <i>Date</i> <i>Name / Position</i>		 29.01.2014 Winnie Hou/Technical Certifier Datum Name / Stellung <i>Date</i> <i>Name / Position</i>		
Unterschrift <i>Signature</i>		Unterschrift <i>Signature</i>		
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Details im vorherigen Abschnitt <i>Details in the previous section</i>		
<p>* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet</p> <p>Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p>				
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>				

Prüfbericht - Nr.: 17037987 001*Test Report No.***Seite 2 von 49***Page 2 of 49*

TEST SUMMARY

5.1.1 FUNDAMENTAL & HARMONICS RADIATED EMISSION

RESULT: Pass

5.1.2 RADIATED EMISSIONS OUTSIDE OF THE BAND

RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Pass

Contents

1.	GENERAL REMARKS	4
1.1	COMPLEMENTARY MATERIALS	4
2.	TEST SITES	4
2.1	TEST FACILITIES	4
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS.....	5
2.3	TRACEABILITY	6
2.4	CALIBRATION	6
2.5	MEASUREMENT UNCERTAINTY.....	6
2.6	LOCATION OF ORIGINAL DATA.....	6
2.7	STATUS OF FACILITY USED FOR TESTING.....	6
3.	GENERAL PRODUCT INFORMATION	7
3.1	PRODUCT FUNCTION AND INTENDED USE.....	7
3.2	RATINGS AND SYSTEM DETAILS	7
3.3	INDEPENDENT OPERATION MODES	7
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	7
3.5	SUBMITTED DOCUMENTS	8
4.	TEST SET-UP AND OPERATION MODES	9
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	9
4.2	TEST OPERATION AND TEST SOFTWARE	9
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	9
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....	9
4.5	TEST SETUP DIAGRAM	10
5.	TEST RESULTS	11
5.1	TRANSMITTER REQUIREMENT & TEST SUITES	11
5.1.1	<i>Fundamental & Harmonics Radiated Emission</i>	<i>11</i>
5.1.2	<i>Radiated emissions outside of the band</i>	<i>18</i>
6.	SAFETY HUMAN EXPOSURE	46
6.1	RADIO FREQUENCY EXPOSURE COMPLIANCE.....	46
6.1.1	<i>Electromagnetic Fields.....</i>	<i>46</i>
7.	PHOTOGRAPHS OF THE TEST SET-UP	47
8.	LIST OF TABLES	49
9.	LIST OF PHOTOGRAPHS	49

Prüfbericht - Nr.: 17037987 001
*Test Report No.***Seite 4 von 49**
Page 4 of 49

1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

(FCC Registration No.: 752051)

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 & Receiver spurious emissions				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-07
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-07
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2015-01-07
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2015-01-07
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2015-01-07
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2015-01-07
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2015-01-07
RF Coaxial Cable	SUHNER	N-3m	No.8	2015-01-07
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2015-01-07
RF Coaxial Cable	SUHNER	N-6m	No.10	2015-01-07
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2015-01-07
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2015-01-07
Pre-Amplifier	Rohde & Schwarz	CBLU1183540-01	3791	2015-01-07
Radio Spectrum Test				
Spectrum Analyzer	Rohde & Schwarz	ESPI3	100396/003	2015-01-07
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-07
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	2015-01-07
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-07
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2015-01-07
L.I.S.N.	Rohde & Schwarz	ESH3-Z5	100310	2015-01-07
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2015-01-07
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015-01-07
RF Coaxial Cable	SUHNER	N-2m	No.3	2015-01-07
Radiated Emission				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-07
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-07
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2015-01-07
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2015-01-07
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2015-01-07
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2015-01-07
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2015-01-07
RF Coaxial Cable	SUHNER	N-3m	No.8	2015-01-07
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2015-01-07
RF Coaxial Cable	SUHNER	N-6m	No.10	2015-01-07
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2015-01-07
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2015-01-07
Pre-Amplifier	Rohde & Schwarz	CBLU1183540-01	3791	2015-01-07

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 basis using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Spectrum	$< \pm 0.60$ dB
Radiated emission of transmitter, valid up to 12.75 GHz	$< \pm 4.42$ dB
Radiated emission of receiver, valid up to 12.75 GHz	$< \pm 4.42$ dB
Conducted Emission	$< \pm 2.23$ dB
Radiated Emission	$< \pm 4.42$ 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 and 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 keyboard used with a USB dongle. It operates at 2.4GHz ISM frequency 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	Wireless Keyboard
Type Designation	NS-PNK5011
FCC ID	2AAIL-PNK5011
Operating Frequency band	2408 – 2474MHz
Channel separation	2MHz
Channel number	34
Extreme Temperature Range	-20~+45°C
Operation Voltage	DC 3V (2 x AAA size battery)
Modulation	FSK
Antenna Gain	4.78dBi

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.

Prüfbericht - Nr.: 17037987 001
*Test Report No.***Seite 8 von 49**
Page 8 of 49

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 C63.4: 2003.

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

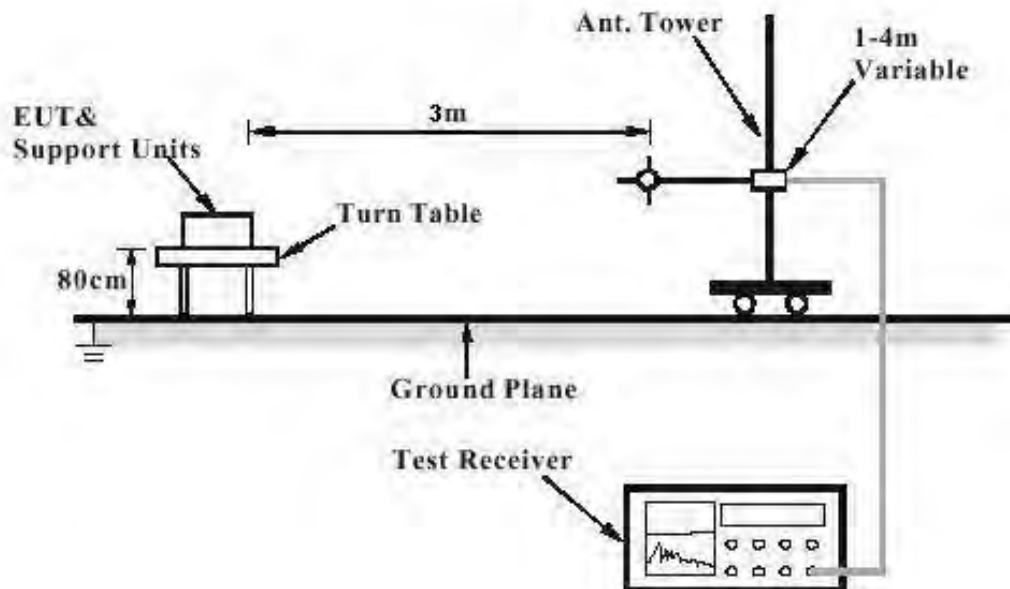
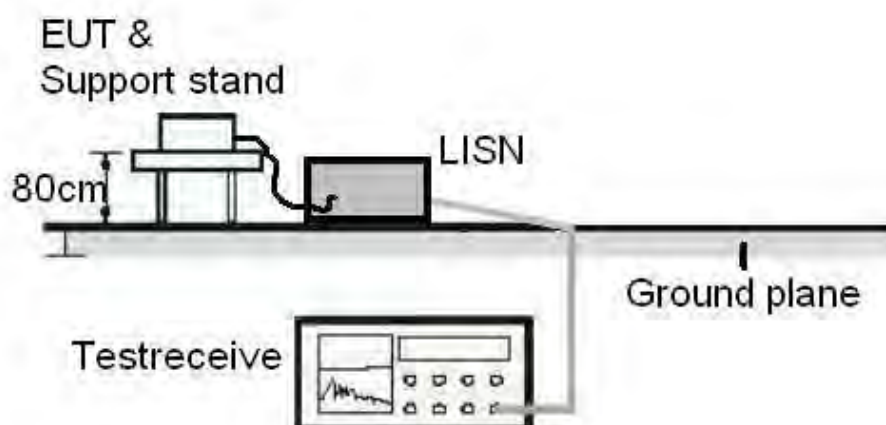


Diagram of Measurement Equipment Configuration for Conduction Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Fundamental & Harmonics Radiated Emission

RESULT:
Pass

Date of testing : 2014-01-04
 Test standard : FCC part 15.249(a)
 Basic standard : ANSI C63.4: 2003
 Limits : FCC part 15.249(a)
 Kind of test site : 3m Semi-Anechoic Chamber

Test setup

Test channel : Low/ Middle/ High
 Input voltage : DC 3V (2 x AAA size battery)
 Operation mode : A.1
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa

Table 4: Polarization of the measurement for the larger power level channel 2440MHz: Vertical

Test conditions		Fundamental Frequency		2 nd Harmonic Frequency	
		2440MHz		4948MHz	
T _{nom} (25°C)	Unit	(dBµV/m)	(mV/m)	(dBµV/m)	(µV/m)
	Horizontal	80.61	20.18	45.05	178.85
	Vertical	87.02	22.44	46.28	206.06
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.

Prüfbericht - Nr.: 17037987 001
Test Report No.
Seite 12 von 49
Page 12 of 49

Test Plot of fundamental & harmonics radiated emission


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

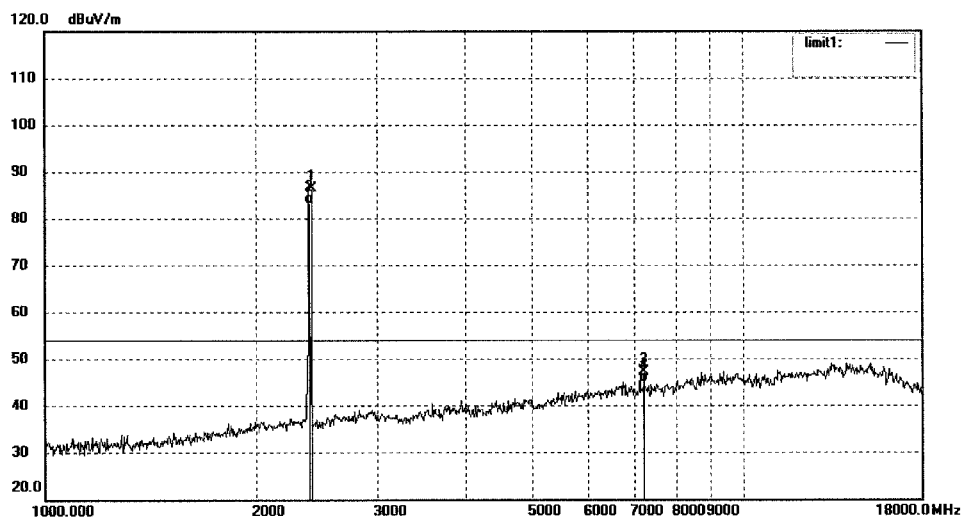
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1967
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2408MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 14/01/04/
Time: 15/07/51
Engineer Signature: PEI
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	2408.020	93.76	-7.44	86.32	/	/	peak			
2	2408.020	90.59	-7.44	83.15	/	/	AVG			
3	7224.034	44.10	3.01	47.11	74.00	-26.89	peak			
4	7224.034	41.95	3.01	44.96	54.00	-9.04	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

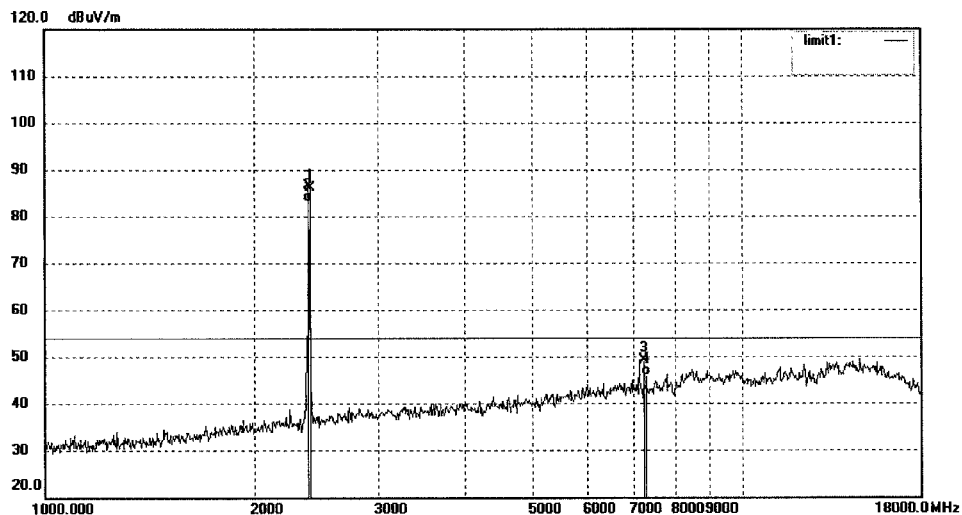
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1966
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2408MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 14/01/04/
Time: 14/55/02
Engineer Signature: PEI
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	2408.015	93.67	-7.44	86.23	/	/	peak			
2	2408.015	90.54	-7.44	83.10	/	/	AVG			
3	7224.126	46.15	3.01	49.16	74.00	-24.84	peak			
4	7224.126	42.99	3.01	46.00	54.00	-8.00	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

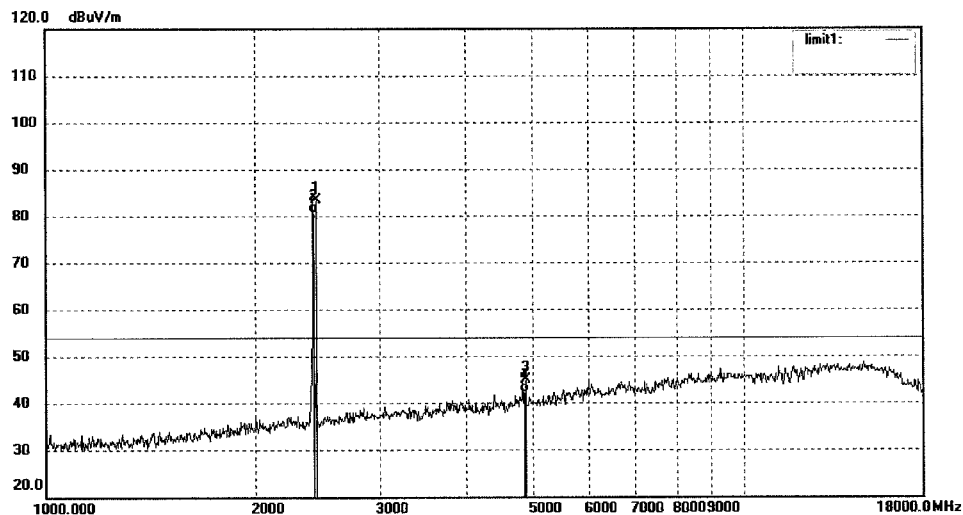
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1968
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2440MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 14/01/04/
Time: 15/19/20
Engineer Signature: PEI
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	2440.024	90.73	-7.35	83.38	/	/	peak			
2	2440.024	87.96	-7.35	80.61	/	/	AVG			
3	4880.040	44.68	0.13	44.81	74.00	-29.19	peak			
4	4880.040	42.08	0.13	42.21	54.00	-11.79	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

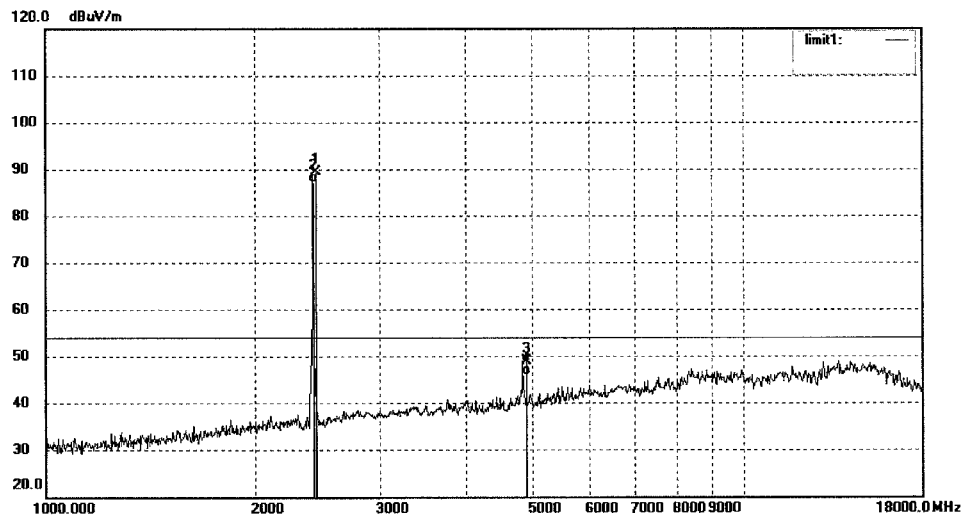
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1969
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2440MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 14/01/04/
Time: 15/31/42
Engineer Signature: PEI
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	2440.031	96.78	-7.35	89.43	/	/	peak			
2	2440.031	94.37	-7.35	87.02	/	/	AVG			
3	4880.049	48.78	0.13	48.91	74.00	-25.09	peak			
4	4880.049	45.84	0.13	45.97	54.00	-8.03	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

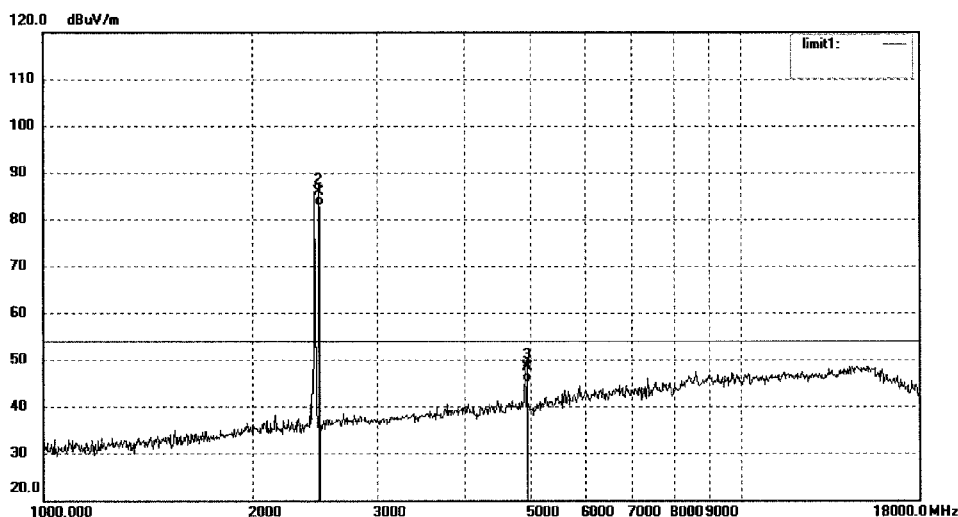
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1971
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2474MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 14/01/04/
Time: 15/54/24
Engineer Signature: PEI
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	2474.026	90.34	-7.37	82.97	/	/	AVG			
2	2474.026	93.20	-7.37	85.83	/	/	peak			
3	4948.046	47.94	0.47	48.41	74.00	-25.59	peak			
4	4948.046	44.58	0.47	45.05	54.00	-8.95	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

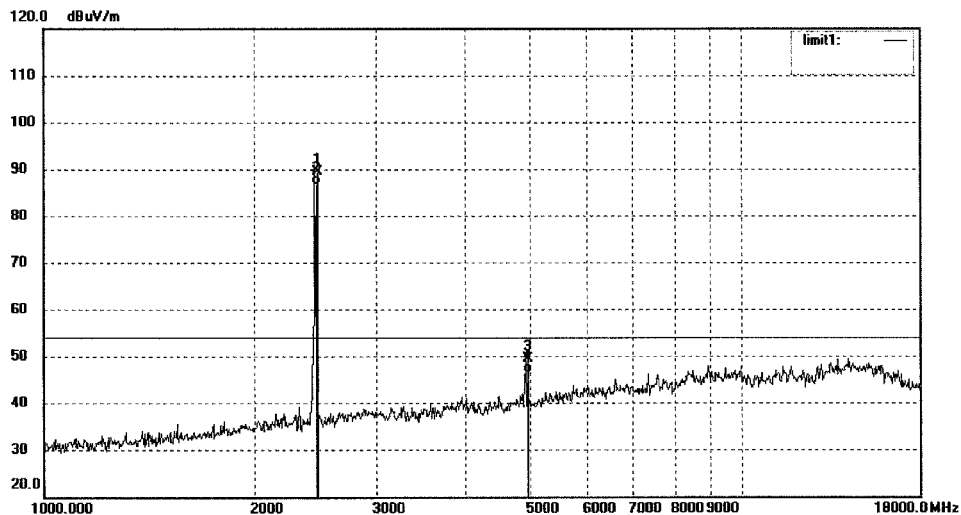
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1970
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2474MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 14/01/04/
Time: 15/43/32
Engineer Signature: PEI
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	2474.035	96.71	-7.37	89.34	/	/	peak			
2	2474.035	93.93	-7.37	86.56	/	/	AVG			
3	4948.060	48.95	0.47	49.42	74.00	-24.58	peak			
4	4948.060	45.81	0.47	46.28	54.00	-7.72	AVG			

5.1.2 Radiated emissions outside of the band**RESULT:****Pass**

Date of testing	:	2014-01-06
Test standard	:	FCC Part 15.209(a) FCC Part 15.249(d)
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.009 – 25000MHz*
Limits	:	FCC Part 15.209(a) FCC Part 15.249(d)
Kind of test site	:	3m Semi-Anechoic Chamber

Test Setup

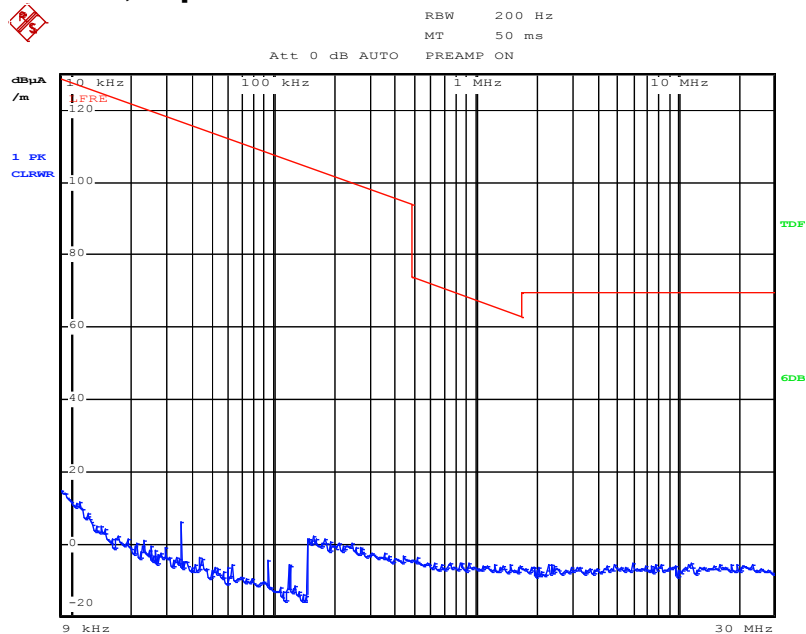
Test channel	:	Low/ Middle/ High
Input voltage	:	DC 3V (2 x AAA size battery)
Operation mode	:	A.1
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

*- The EUT's highest frequency generated and used is 2474MHz, hence the highest scan frequency is up to 25GHz.

For details refer to following test plot.

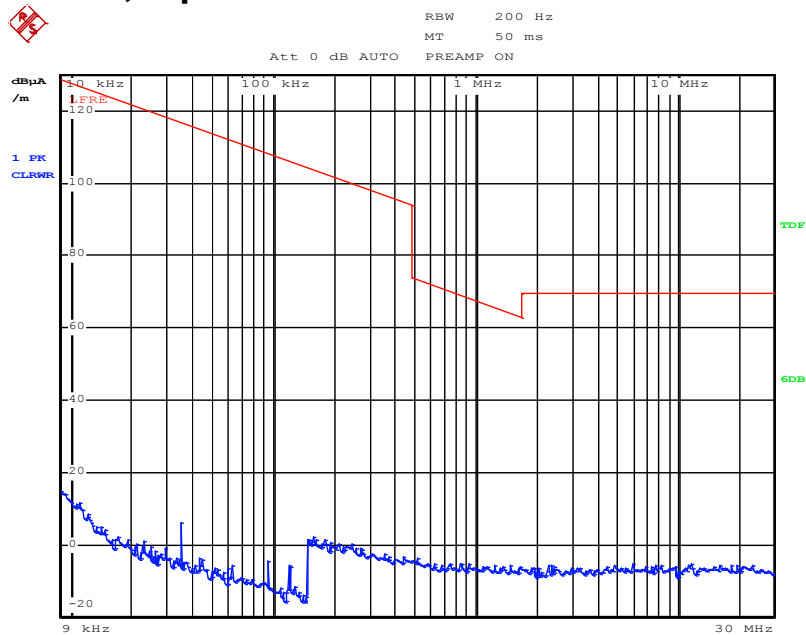
Test Plot of radiated emissions outside of the band

Low channel, X polarization:



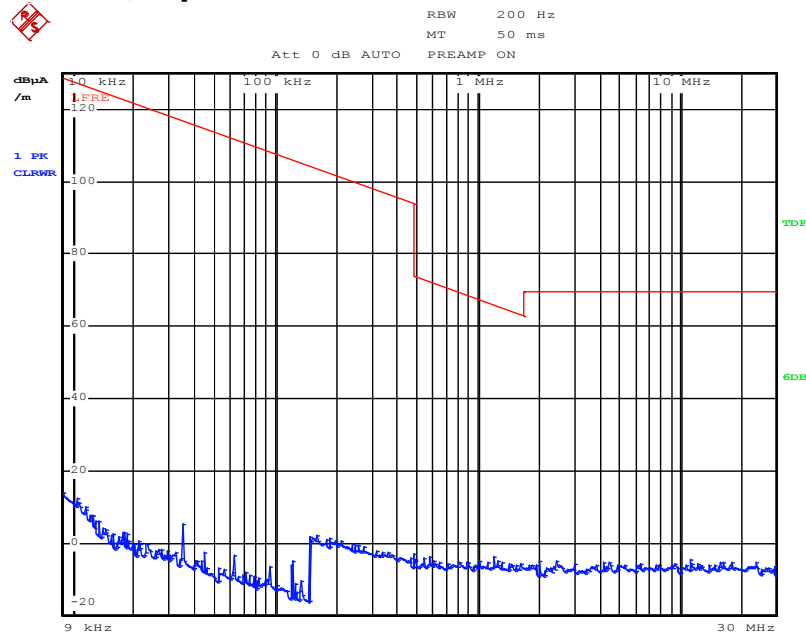
Date: 6.JAN.2014 11:43:02

Low channel, Y polarization:



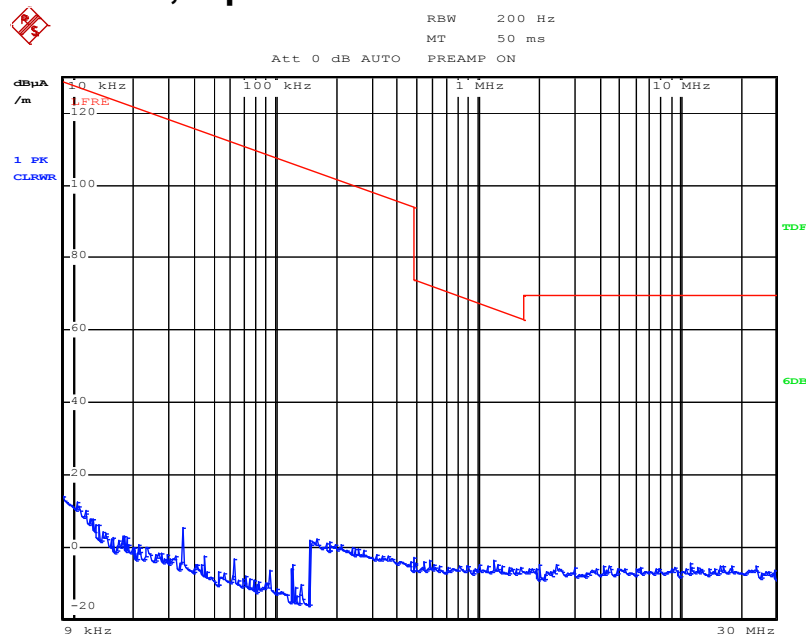
Date: 6.JAN.2014 11:46:25

Low channel, Z polarization:



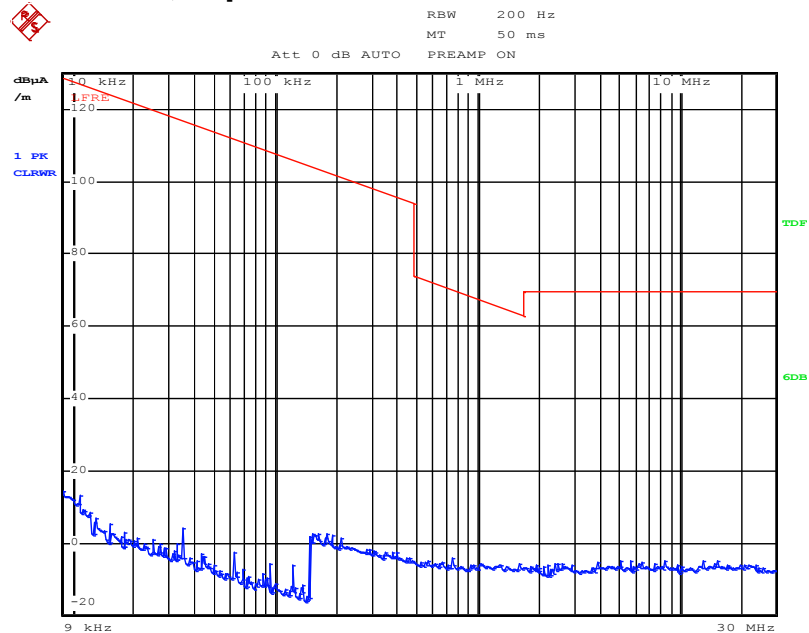
Date: 6.JAN.2014 11:48:44

Middle channel, X polarization:



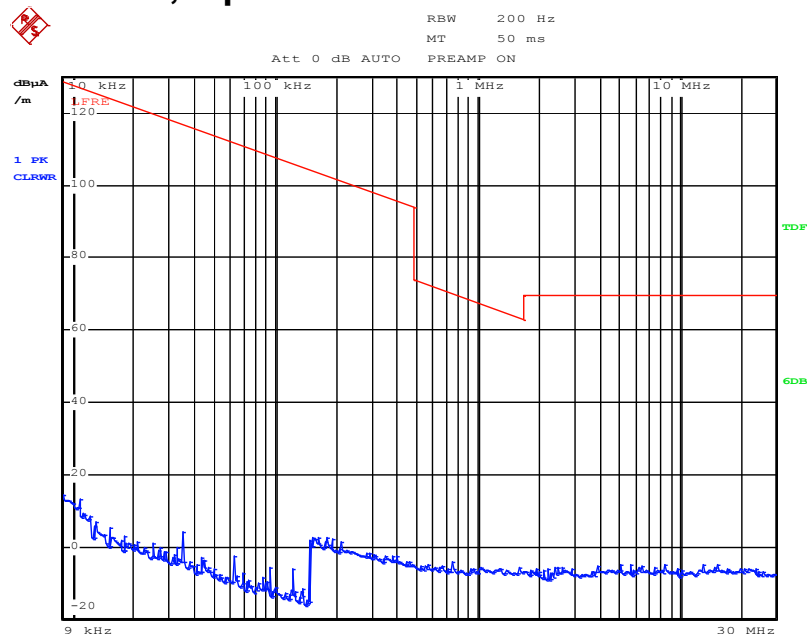
Date: 6.JAN.2014 11:53:00

Middle channel, Y polarization:



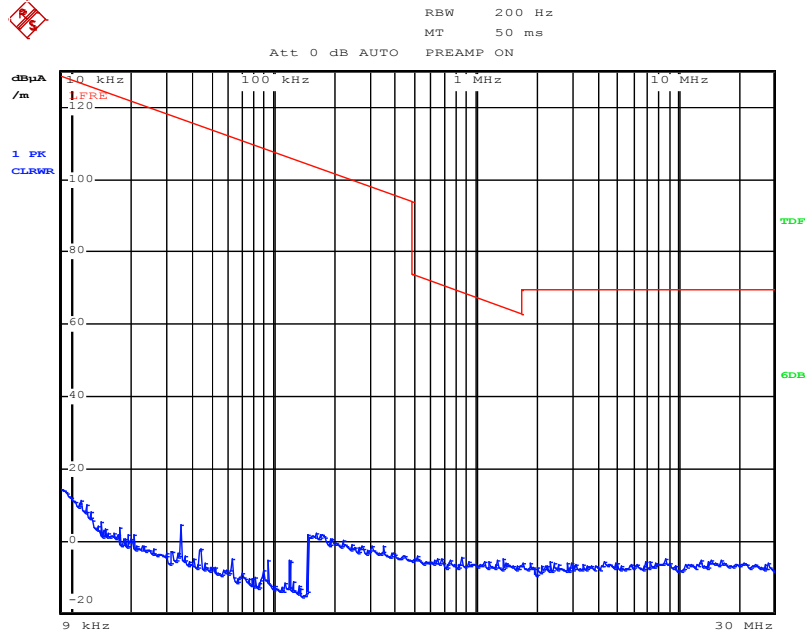
Date: 6.JAN.2014 11:55:15

Middle channel, Z polarization:



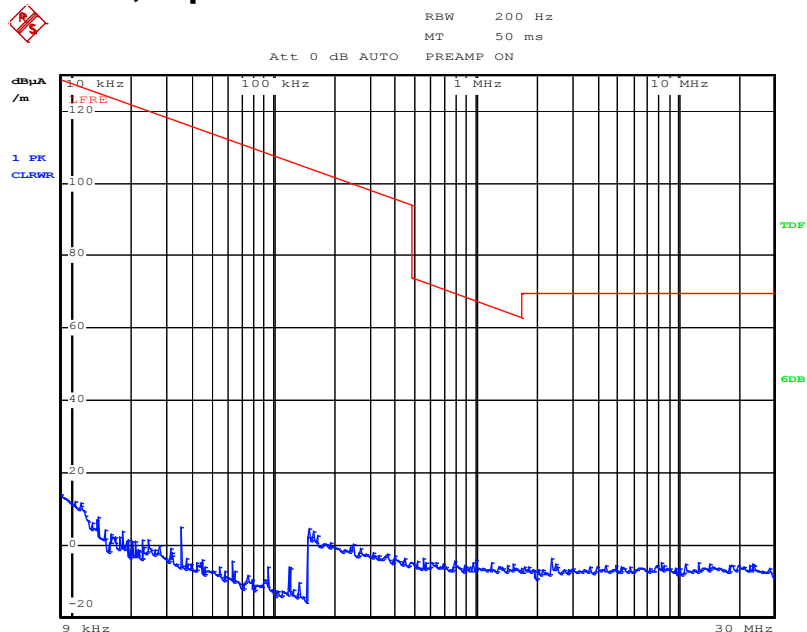
Date: 6.JAN.2014 11:58:35

High channel, X polarization:



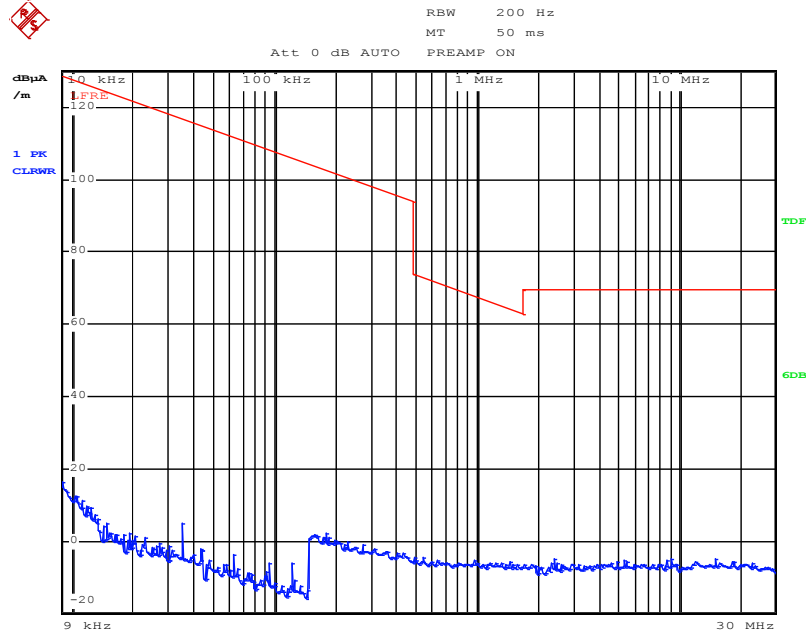
Date: 6.JAN.2014 12:01:47

High channel, Y polarization:



Date: 6.JAN.2014 12:03:58

High channel, Z polarization:



Date: 6.JAN.2014 12:06:11


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

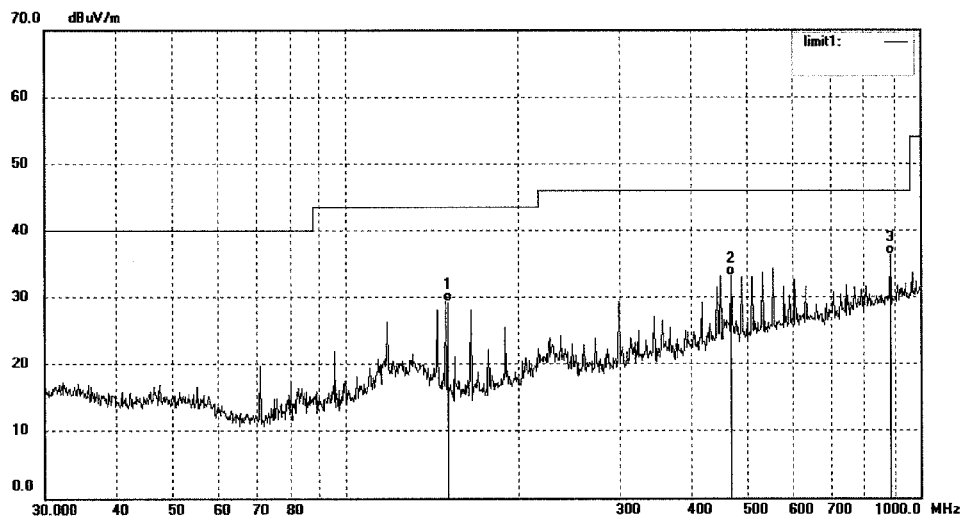
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: lan #1924
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2408MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 14/01/04/
Time: 8/34/40
Engineer Signature: PEI
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	150.9175	44.50	-15.14	29.36	43.50	-14.14	QP			
2	468.1650	38.65	-5.53	33.12	46.00	-12.88	QP			
3	887.3978	35.13	1.23	36.36	46.00	-9.64	QP			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

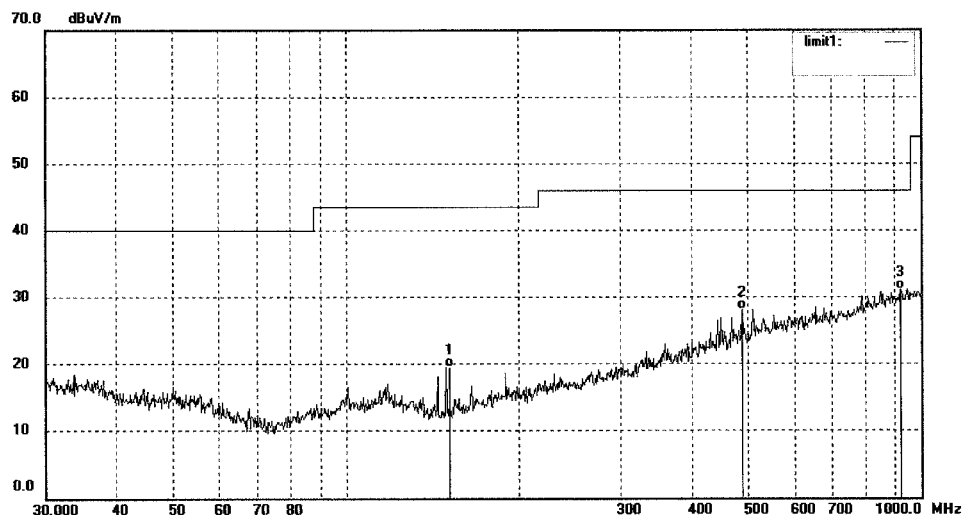
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1925
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Wireless Keyboard
 Mode: TX 2408MHz
 Model: NS-PNK5011
 Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
 Power Source: DC 3V
 Date: 14/01/04/
 Time: 8/43/49
 Engineer Signature: PEI
 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	151.9175	34.62	-15.14	19.48	43.50	-24.02	QP			
2	488.3263	33.28	-5.21	28.07	46.00	-17.93	QP			
3	922.3667	29.41	1.65	31.06	46.00	-14.94	QP			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

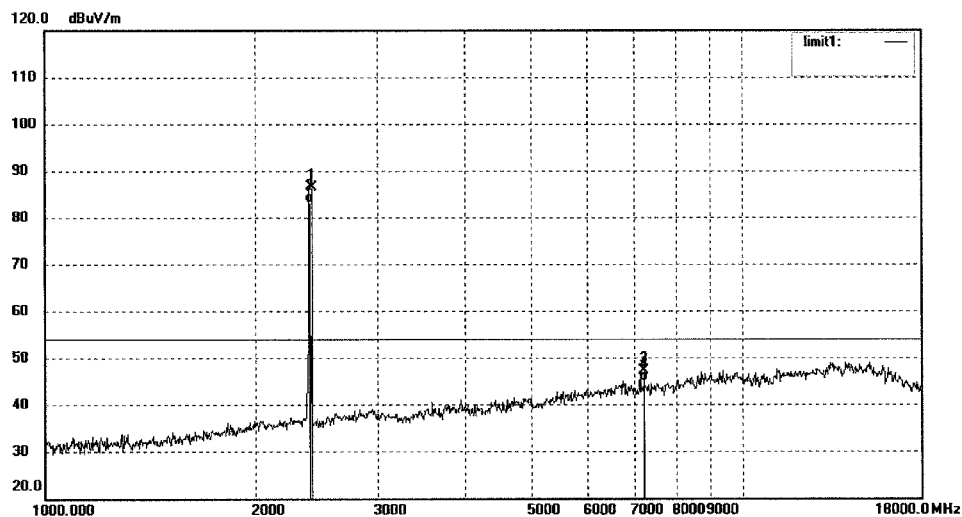
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1967
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2408MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 14/01/04/
Time: 15/07/51
Engineer Signature: PEI
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	2408.020	93.76	-7.44	86.32	/	/	peak			
2	2408.020	90.59	-7.44	83.15	/	/	AVG			
3	7224.034	44.10	3.01	47.11	74.00	-26.89	peak			
4	7224.034	41.95	3.01	44.96	54.00	-9.04	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

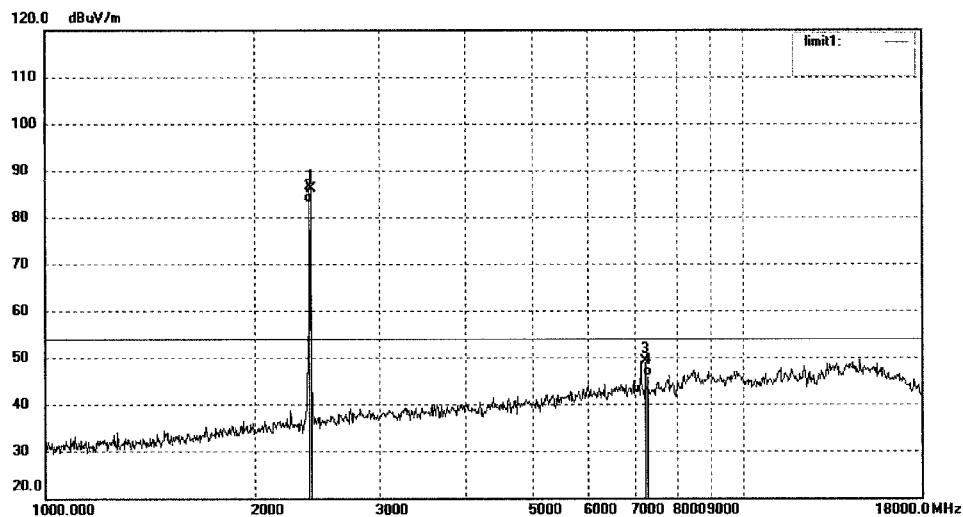
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1966
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2408MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 14/01/04/
Time: 14/55/02
Engineer Signature: PEI
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	2408.015	93.67	-7.44	86.23	/	/	peak			
2	2408.015	90.54	-7.44	83.10	/	/	AVG			
3	7224.126	46.15	3.01	49.16	74.00	-24.84	peak			
4	7224.126	42.99	3.01	46.00	54.00	-8.00	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

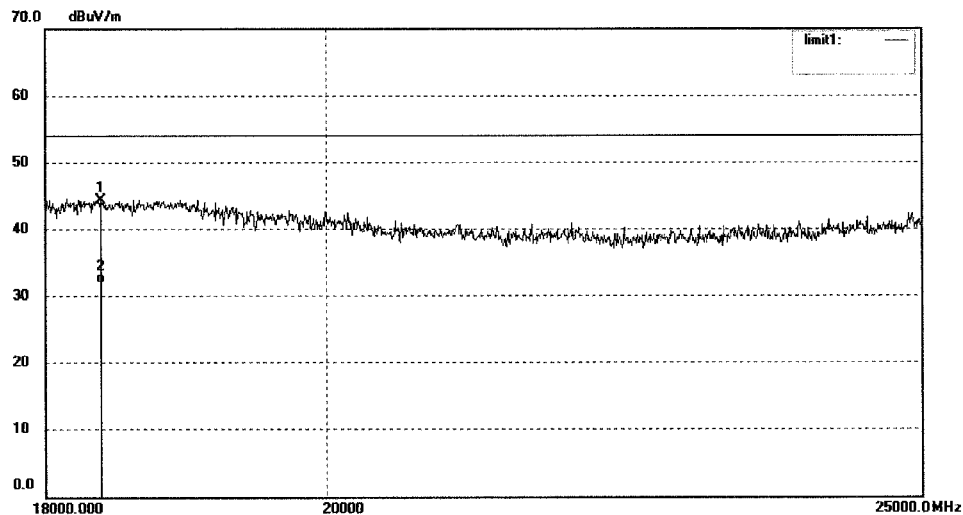
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1994
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2408MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 14/01/04/
Time: 19/33/46
Engineer Signature: PEI
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	18377.167	27.47	16.93	44.40	74.00	-29.60	peak			
2	18377.167	15.03	16.93	31.96	54.00	-22.04	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

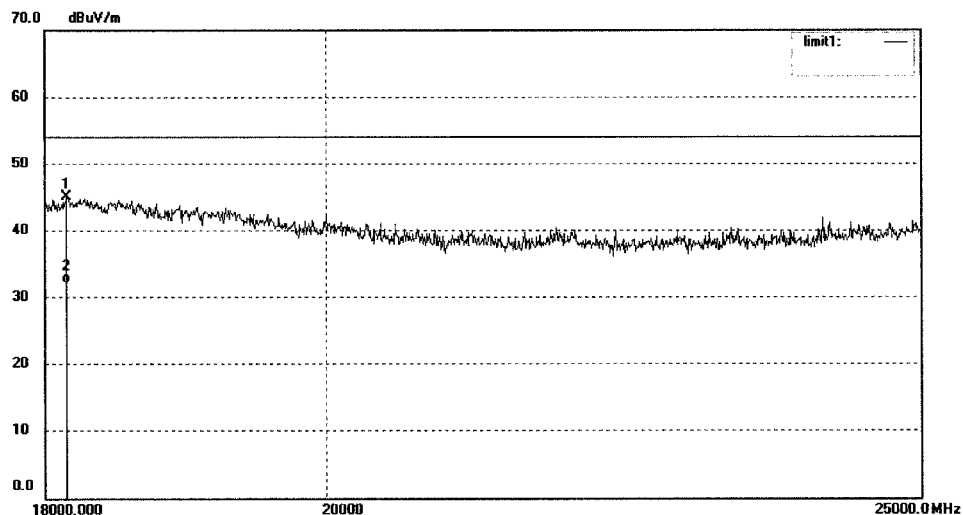
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Ian #1995
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Wireless Keyboard
 Mode: TX 2408MHz
 Model: NS-PNK5011
 Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
 Power Source: DC 3V
 Date: 14/01/04/
 Time: 19/42/37
 Engineer Signature: PEI
 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	18148.734	28.55	16.43	44.98	74.00	-29.02	peak			
2	18148.734	15.68	16.43	32.11	54.00	-21.89	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

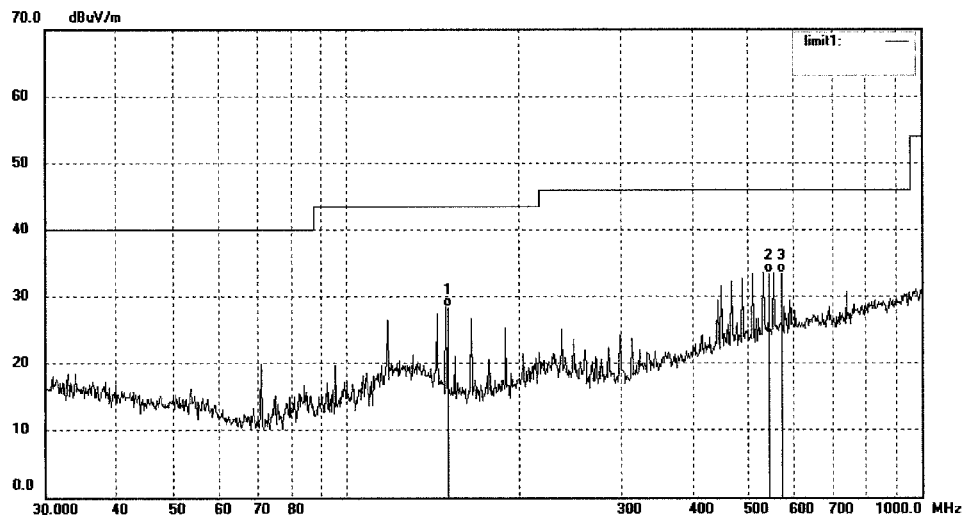
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1927
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2440MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 14/01/04/
Time: 9/00/06
Engineer Signature: PEI
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	150.9175	43.57	-15.14	28.43	43.50	-15.07	QP			
2	540.2910	37.29	-3.85	33.44	46.00	-12.56	QP			
3	564.1708	36.95	-3.40	33.55	46.00	-12.45	QP			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

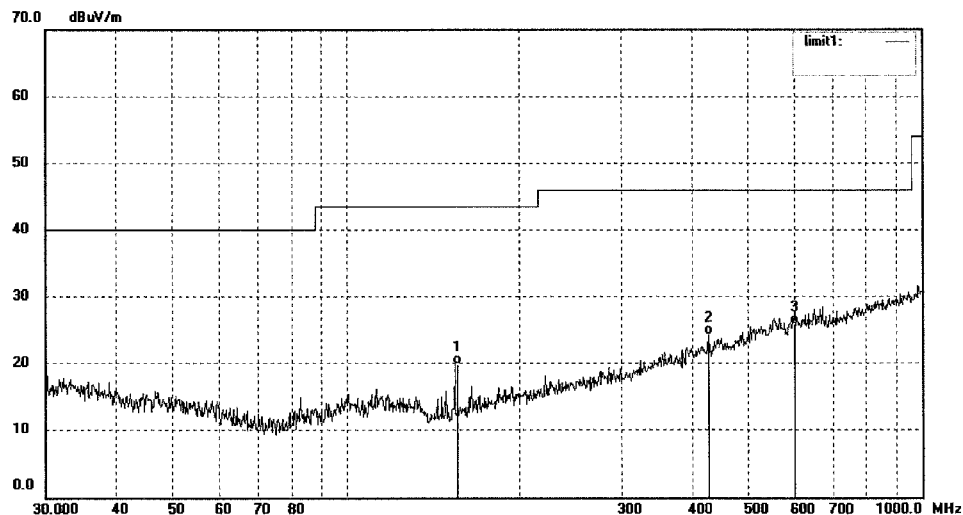
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1926
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2440MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 14/01/04/
Time: 8/52/00
Engineer Signature: PEI
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	156.2427	34.83	-14.97	19.86	43.50	-23.64	QP			
2	425.7932	30.45	-6.15	24.30	46.00	-21.70	QP			
3	602.9287	28.73	-2.93	25.80	46.00	-20.20	QP			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

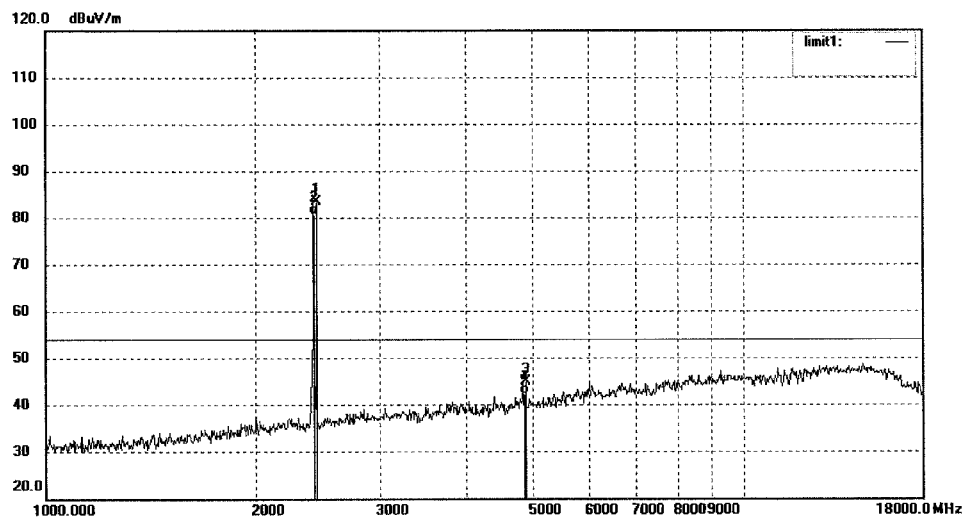
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1968
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2440MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 14/01/04/
Time: 15/19/20
Engineer Signature: PEI
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	2440.024	90.73	-7.35	83.38	/	/	peak			
2	2440.024	87.96	-7.35	80.61	/	/	AVG			
3	4880.040	44.68	0.13	44.81	74.00	-29.19	peak			
4	4880.040	42.08	0.13	42.21	54.00	-11.79	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

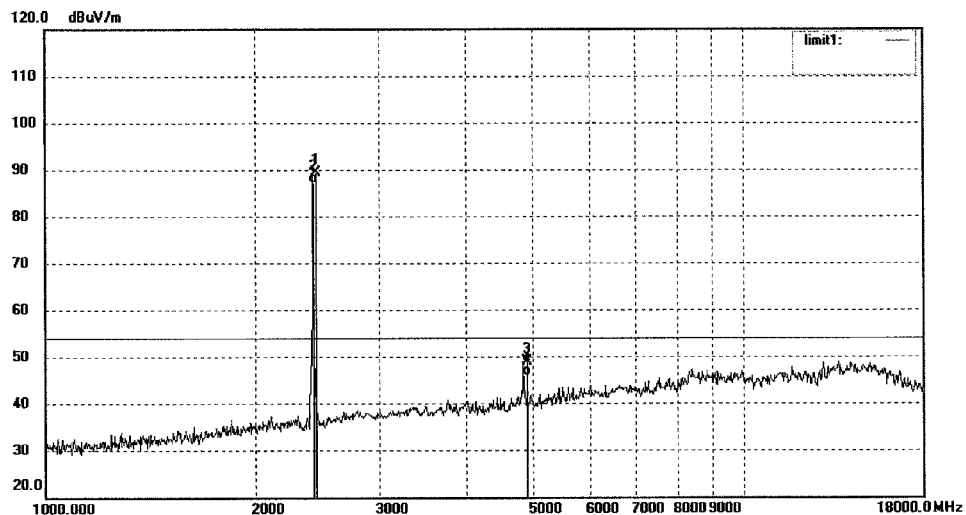
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Ian #1969
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2440MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 14/01/04/
Time: 15/31/42
Engineer Signature: PEI
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	2440.031	96.78	-7.35	89.43	/	/	peak			
2	2440.031	94.37	-7.35	87.02	/	/	AVG			
3	4880.049	48.78	0.13	48.91	74.00	-25.09	peak			
4	4880.049	45.84	0.13	45.97	54.00	-8.03	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

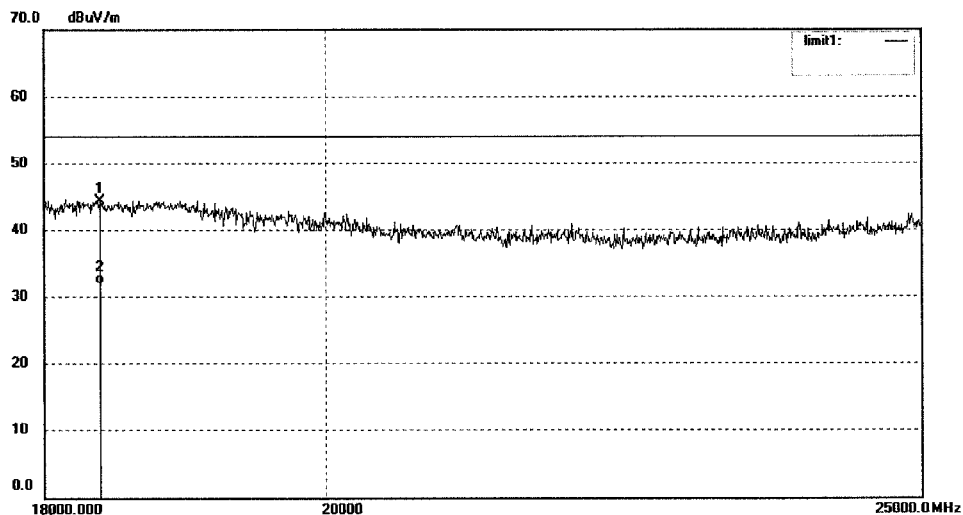
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Ian #1996
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum. (%) 23 C / 48 %
 EUT: Wireless Keyboard
 Mode: TX 2440MHz
 Model: NS-PNK5011
 Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
 Power Source: DC 3V
 Date: 14/01/04/
 Time: 19/50/46
 Engineer Signature: PEI
 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	18377.167	27.47	16.93	44.40	74.00	-29.60	peak			
2	18377.167	15.03	16.93	31.96	54.00	-22.04	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

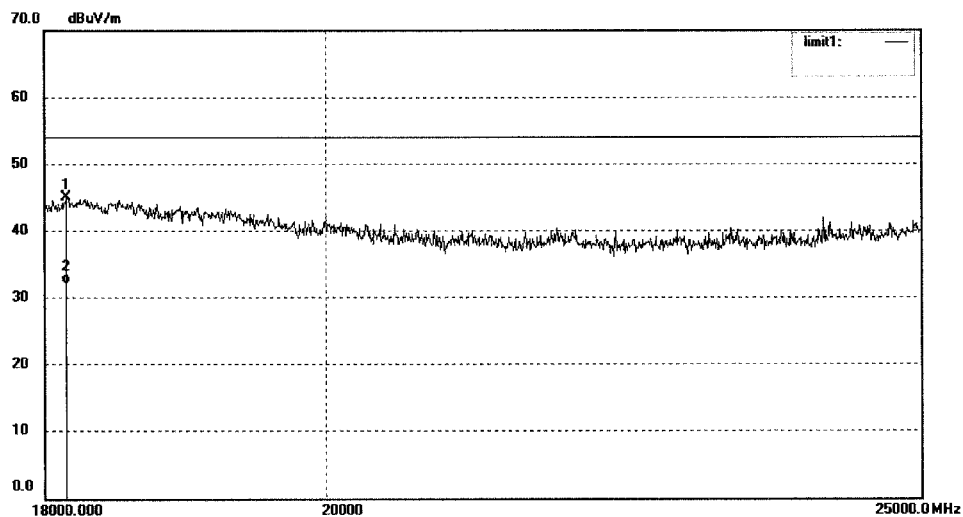
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1997
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2440MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 14/01/04/
Time: 19/57/37
Engineer Signature: PEI
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	18148.734	28.55	16.43	44.98	74.00	-29.02	peak			
2	18148.734	15.68	16.43	32.11	54.00	-21.89	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

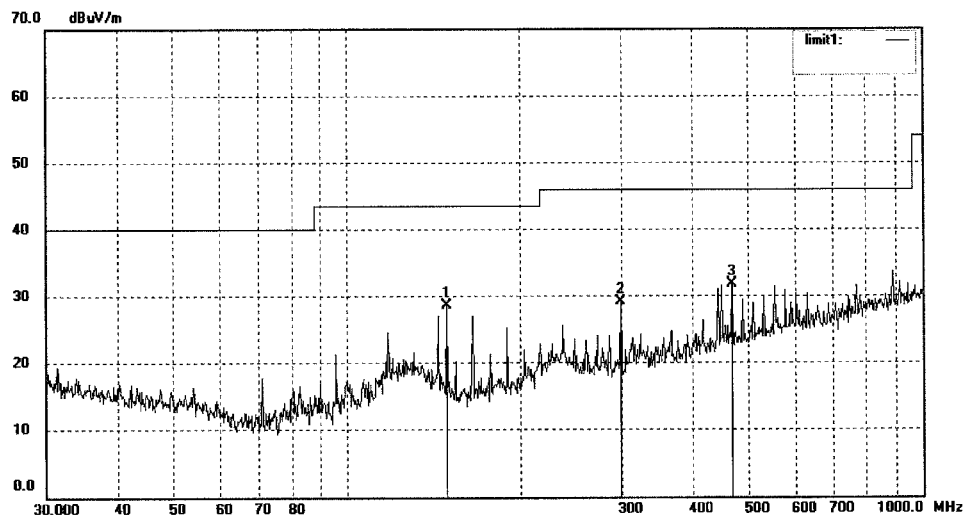
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1929
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Wireless Keyboard
 Mode: TX 2474MHz
 Model: NS-PNK5011
 Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
 Power Source: DC 3V
 Date: 14/01/04/
 Time: 9/17/07
 Engineer Signature: PEI
 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	148.9175	43.77	-15.17	28.60	43.50	-14.90	peak			
2	298.5932	38.54	-9.32	29.22	46.00	-16.78	peak			
3	468.1650	37.21	-5.53	31.68	46.00	-14.32	peak			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

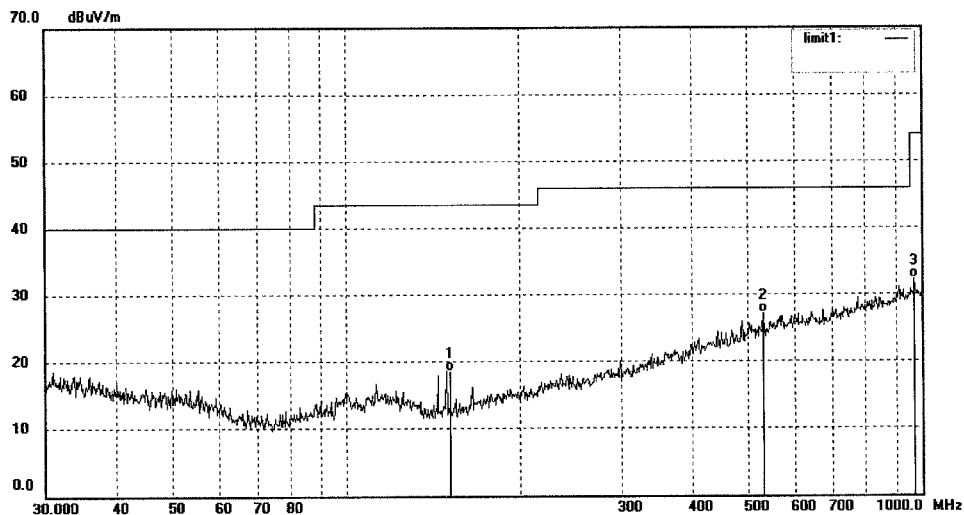
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1928
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2474MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 14/01/04/
Time: 9/08/41
Engineer Signature: PEI
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	151.9173	33.71	-15.14	18.57	43.50	-24.93	QP			
2	533.2910	31.19	-4.03	27.16	46.00	-18.84	QP			
3	974.2826	29.79	2.48	32.27	54.00	-21.73	QP			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

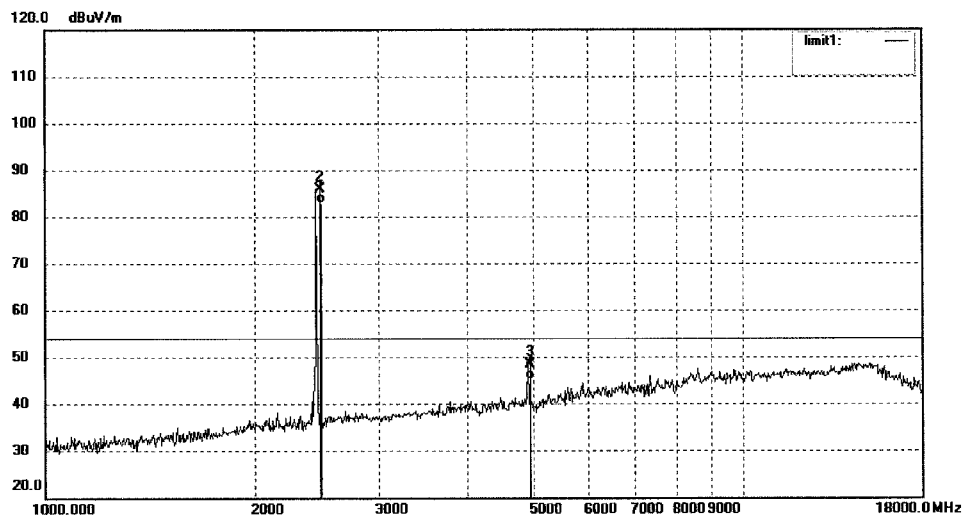
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1971
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Wireless Keyboard
 Mode: TX 2474MHz
 Model: NS-PNK5011
 Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
 Power Source: DC 3V
 Date: 14/01/04/
 Time: 15/54/24
 Engineer Signature: PEI
 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	2474.026	90.34	-7.37	82.97	/	/	AVG			
2	2474.026	93.20	-7.37	85.83	/	/	peak			
3	4948.046	47.94	0.47	48.41	74.00	-25.59	peak			
4	4948.046	44.58	0.47	45.05	54.00	-8.95	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

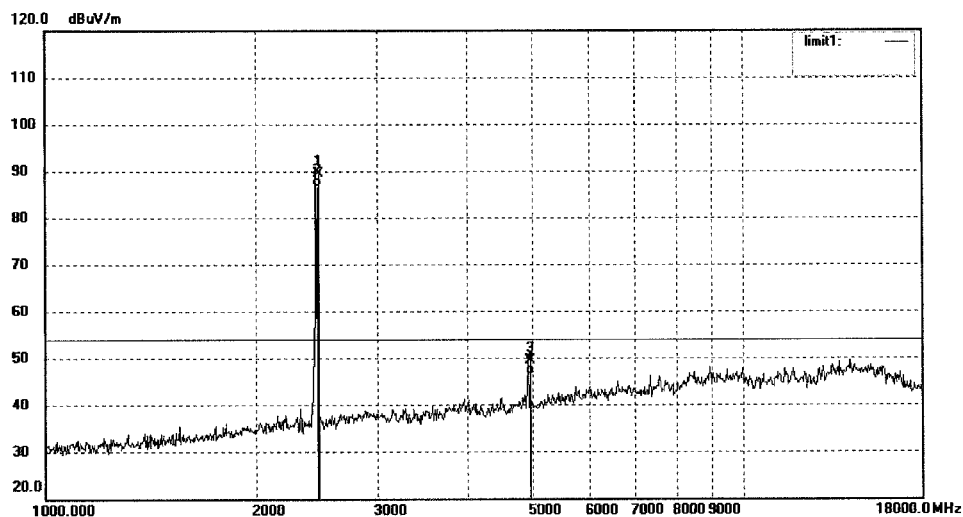
Site: 1# Chamber

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

Job No.: Ian #1970
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2474MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 14/01/04/
Time: 15/43/32
Engineer Signature: PEI
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	2474.035	96.71	-7.37	89.34	/	/	peak			
2	2474.035	93.93	-7.37	86.56	/	/	AVG			
3	4948.060	48.95	0.47	49.42	74.00	-24.58	peak			
4	4948.060	45.81	0.47	46.28	54.00	-7.72	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

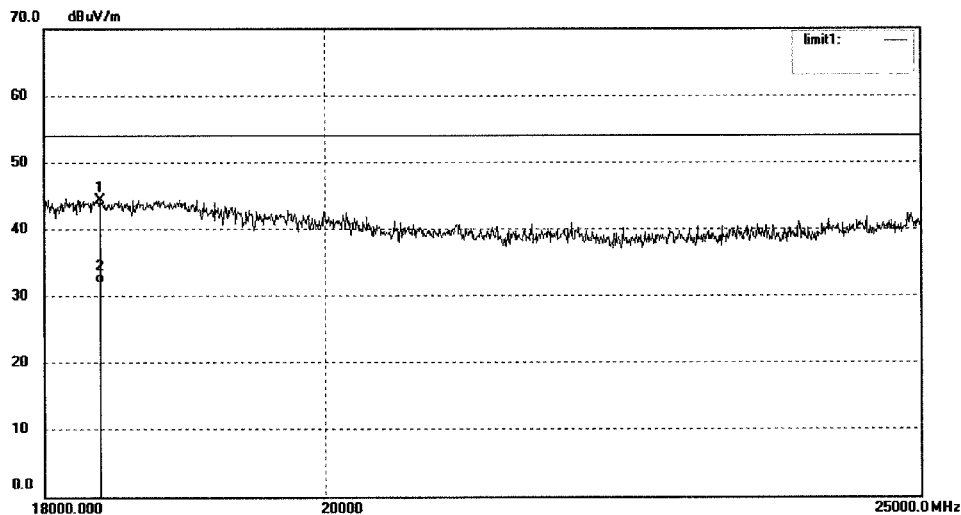
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1998
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2474MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 14/01/04/
Time: 20/05/46
Engineer Signature: PEI
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	18377.167	27.47	16.93	44.40	74.00	-29.60	peak			
2	18377.167	15.03	16.93	31.96	54.00	-22.04	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

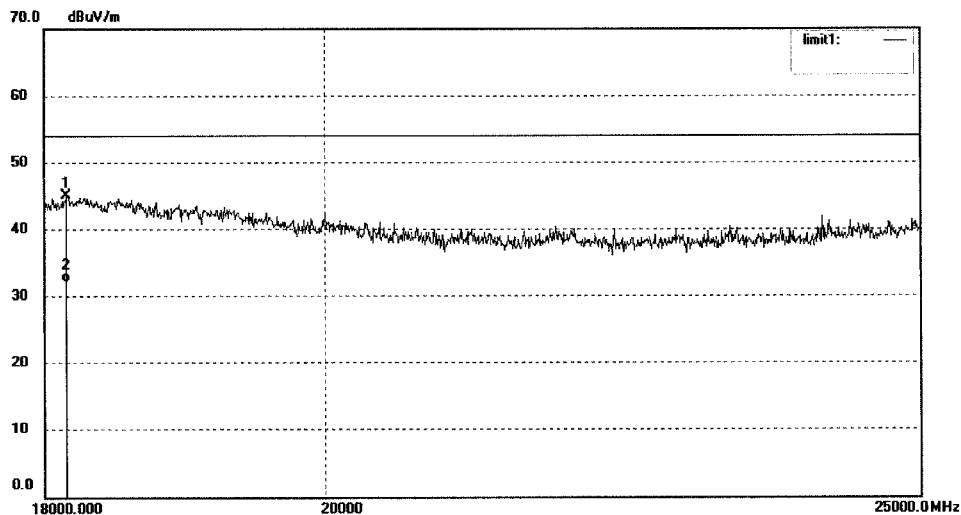
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1999
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Wireless Keyboard
 Mode: TX 2474MHz
 Model: NS-PNK5011
 Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
 Power Source: DC 3V
 Date: 14/01/04/
 Time: 20/13/37
 Engineer Signature: PEI
 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	18148.734	28.55	16.43	44.98	74.00	-29.02	peak			
2	18148.734	15.68	16.43	32.11	54.00	-21.89	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

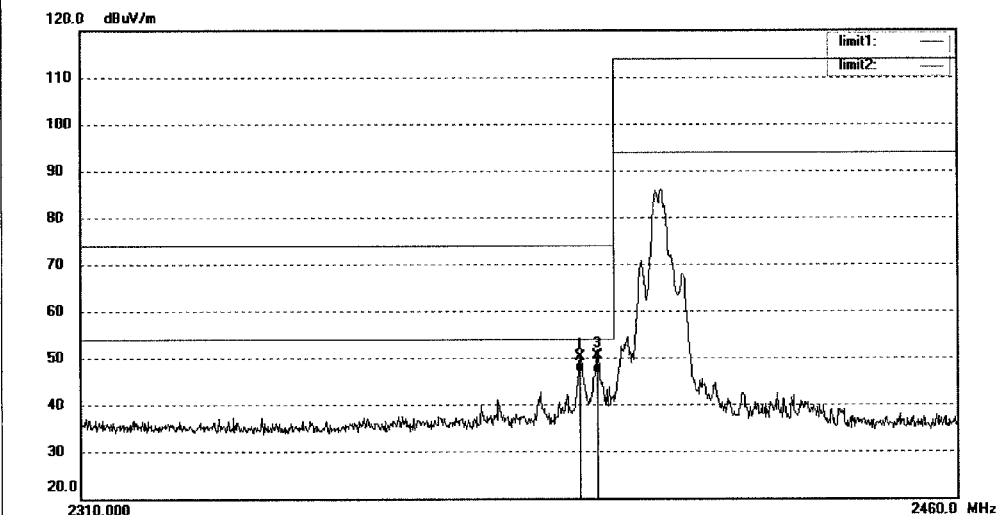
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1979
Standard: FCC Part 15 Band Edge (2.4G)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2408MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 14/01/04/
Time: 17/09/25
Engineer Signature: PEI
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	2394.363	57.57	-7.49	50.08	74.00	-23.92	peak			
2	2394.363	54.39	-7.49	46.90	54.00	-7.10	AVG			
3	2397.384	57.94	-7.48	50.46	74.00	-23.54	peak			
4	2397.384	54.08	-7.48	46.60	54.00	-7.40	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

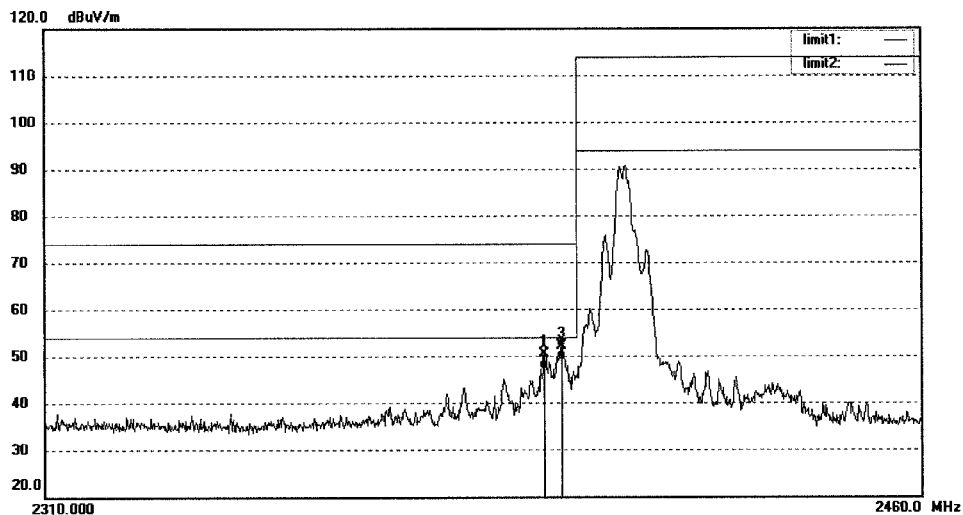
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1978
Standard: FCC Part 15 Band Edge (2.4G)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2408MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 14/01/04/
Time: 16/57/35
Engineer Signature: PEI
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	2394.363	57.87	-7.49	50.38	74.00	-23.62	peak			
2	2394.363	54.63	-7.49	47.14	54.00	-6.86	AVG			
3	2397.384	59.54	-7.48	52.06	74.00	-21.94	peak			
4	2397.384	56.56	-7.48	49.08	54.00	-4.92	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

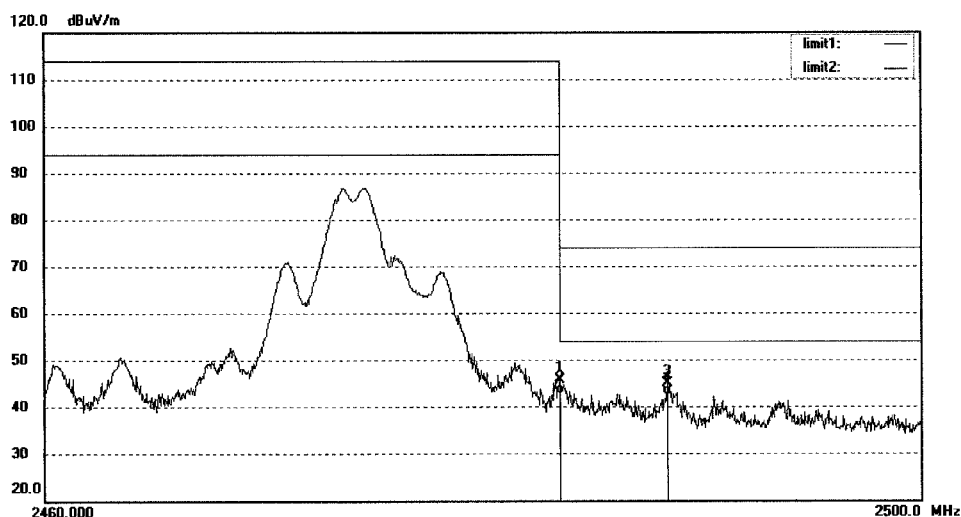
Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1980	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: DC 3V
Test item: Radiation Test	Date: 14/01/04/
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 17/20/01
EUT: Wireless Keyboard	Engineer Signature: PEI
Mode: TX 2474MHz	Distance: 3m
Model: NS-PNK5011	
Manufacturer: Mae Tay Precision Co., Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.449	53.00	-7.37	45.63	114.00	-68.37	peak			
2	2483.449	50.11	-7.37	42.74	94.00	-51.26	AVG			
3	2488.391	52.29	-7.38	44.91	74.00	-29.09	peak			
4	2488.391	49.64	-7.38	42.26	54.00	-11.74	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

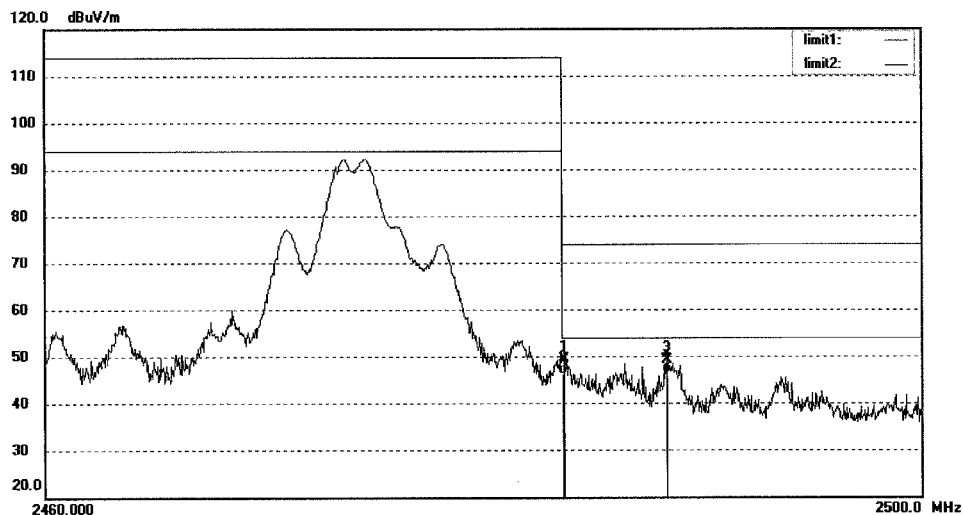
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #1981
Standard: FCC Part 15 Band Edge (2.4G)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Wireless Keyboard
Mode: TX 2474MHz
Model: NS-PNK5011
Manufacturer: Mae Tay Precision Co., Ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 14/01/04/
Time: 17/31/43
Engineer Signature: PEI
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	2483.650	56.66	-7.37	49.29	74.00	-24.71	peak			
2	2483.650	53.54	-7.37	46.17	54.00	-7.83	AVG			
3	2488.350	56.58	-7.38	49.20	74.00	-24.80	peak			
4	2488.350	53.67	-7.38	46.29	54.00	-7.71	AVG			

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Pass**

Test standard : FCC KDB Publication 447498 D01 v05r01

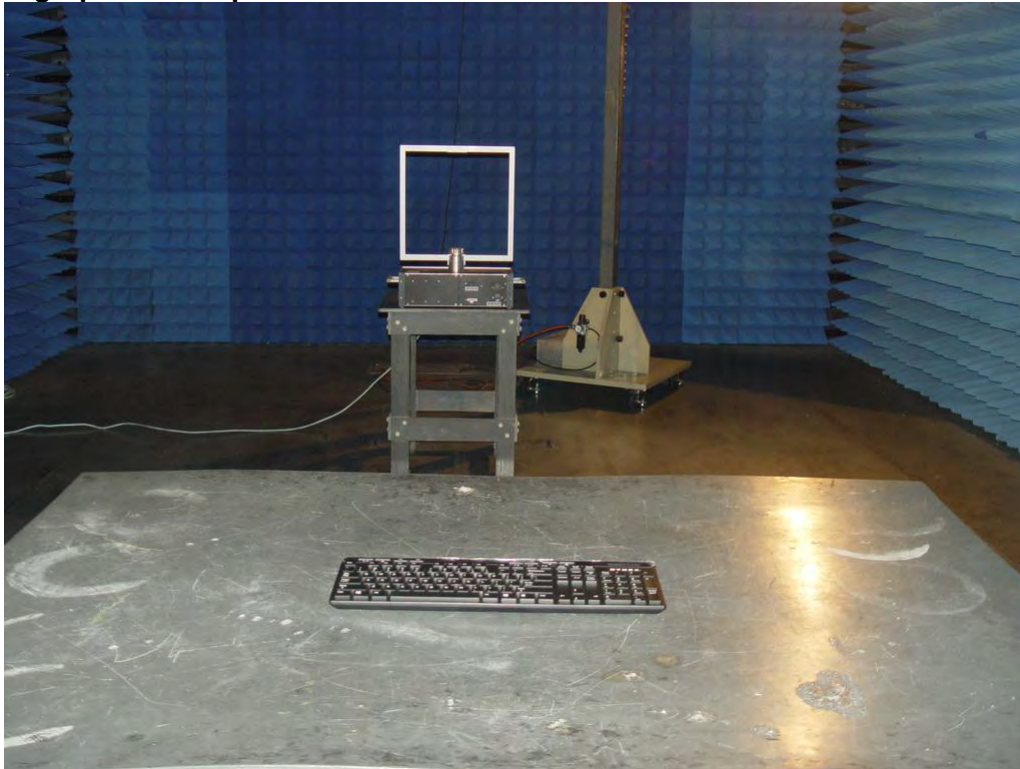
The maximum peak output power of the transmitter is 0.15mW (-8.2dBm), which far below than the SAR exclusion threshold level (Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm):

MHz	5	10	15	20	25	30	35	40	45	50	mm
2450	10	19	29	38	48	57	67	77	86	96	mW

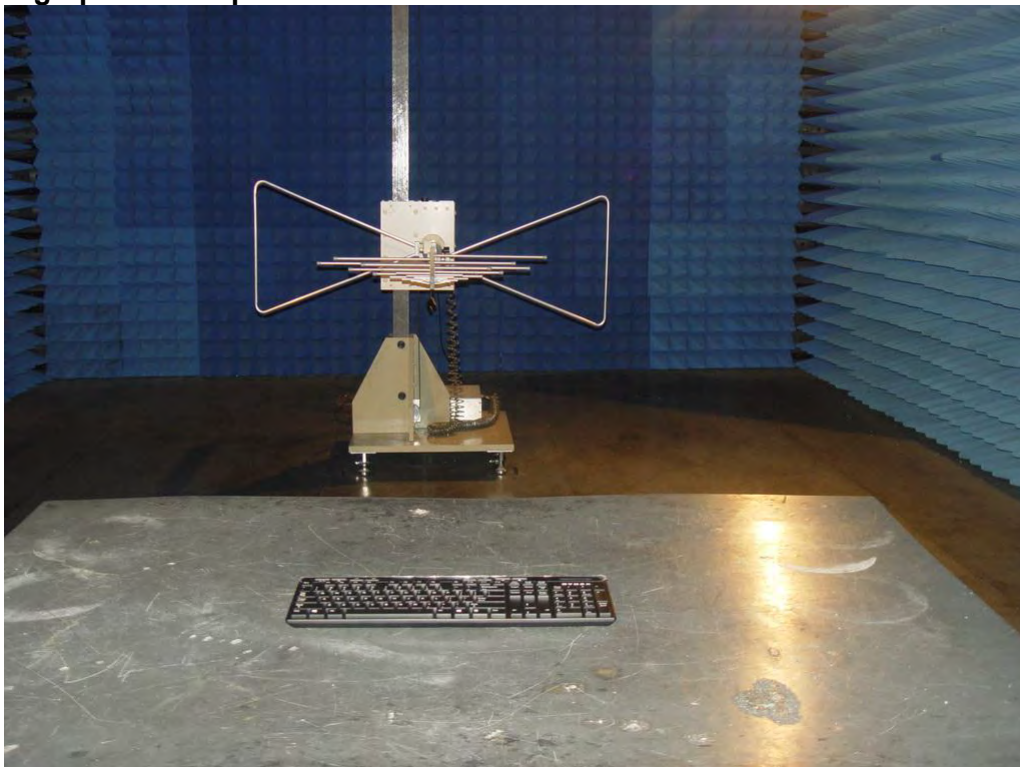
Therefore the transmitter is deemed comply with the requirement without SAR testing.

7. Photographs of the Test Set-Up

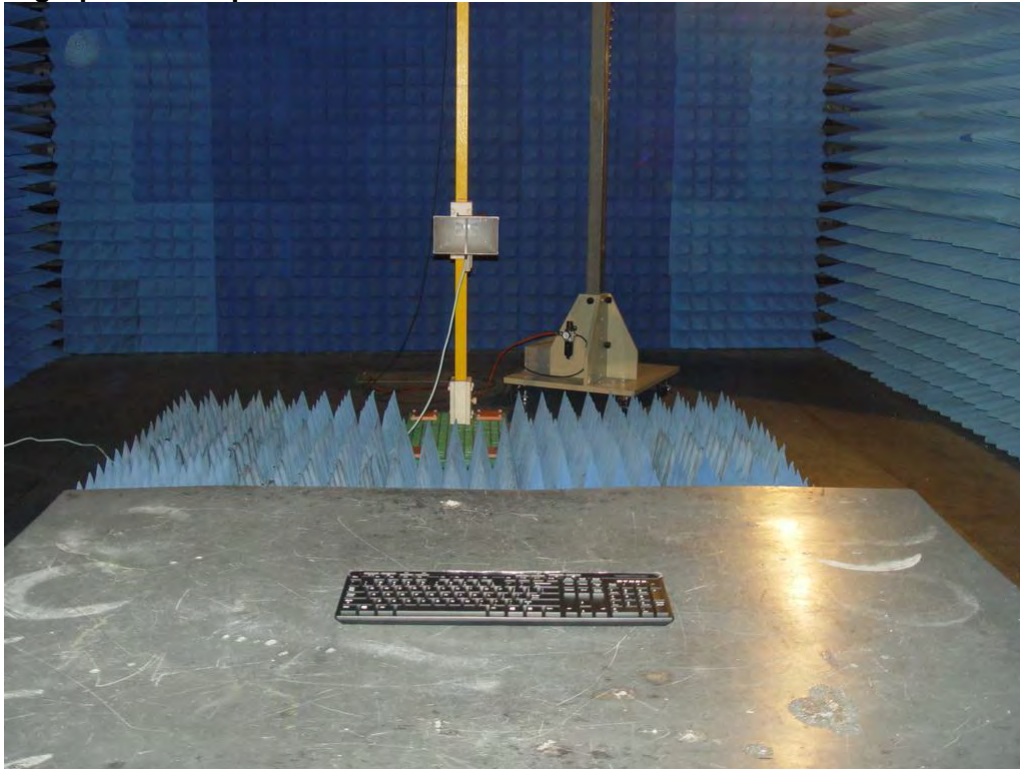
Photograph 1: Set-up for Radiated Emissions below 30MHz



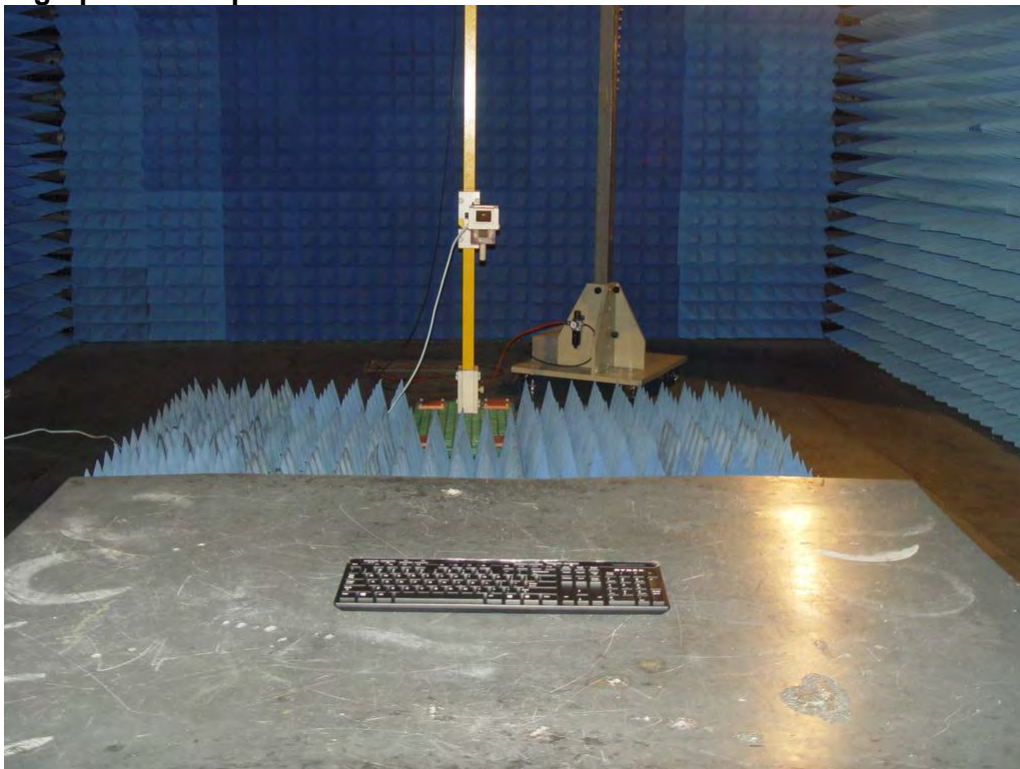
Photograph 2: Set-up for Radiated Emissions for 30MHz - 1GHz



Photograph 3: Set-up for Radiated Emissions for 1 – 18GHz



Photograph 4: Set-up for Radiated Emissions for 18 – 26.5GHz



8. List of Tables

Table 1: List of Test and Measurement Equipment	5
Table 2: Measurement Uncertainty	6
Table 3: Technical Specification of EUT	7
Table 4: Polarization of the measurement for the larger power level channel 2440MHz: Vertical	11

9. List of Photographs

Photograph 1: Set-up for Radiated Emissions below 30MHz	47
Photograph 2: Set-up for Radiated Emissions for 30MHz - 1GHz	47
Photograph 3: Set-up for Radiated Emissions for 1 – 18GHz.....	48
Photograph 4: Set-up for Radiated Emissions for 18 – 26.5GHz.....	48