

TEST REPORT

Report No...... : **ATA2603121E-02**
FCC ID..... : **2BVHI-T2**
Applicant..... : **Shenzhen Qupan Technology Co., Ltd.**
Address..... : **210-A108,Building B1,Block B,Phase II,Longfa Road Commercial Center,Longhua District,Shenzhen**
Manufacturer..... : **Shenzhen Qupan Technology Co., Ltd.**
Address..... : **210-A108,Building B1,Block B,Phase II,Longfa Road Commercial Center,Longhua District,Shenzhen**
Product Name : **Bluetooth wireless mouse**
Trade Mark..... : **N/A**
Test Model..... : **T2**
Series Model(s)..... : **ML003**
Standard..... : **FCC Part 15.249**
Test procedure : **IEEE/ANSI C63.10-2020**
Date of Receipt : **Mar. 20, 2026**
Date of Test Date : **Mar. 23, 2026~ Apr. 21, 2026**
Date of issue : **Apr. 21, 2026**
Test result..... : **Pass**

Compiled by:

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Travis Young

Approved by:

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Jason chen

Testing Laboratory Name..... : **SHENZHEN ATA TESTING LAB. INC.**

Address..... : **4th Floor, Building 10, No. 60 Nanchang Road, Nanchang Community,Xixiang Street, Bao'an District, Shenzhen City, China**

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1. TEST SUMMARY

1.1. Report version

Revised No.	Date of issue	Description
01	Apr. 02, 2026	Original

1.2. Test Description

FCC Part 15 Subpart C(15.249)			
Test Item	Standard Section	Result	Remark
	FCC		
Antenna Requirement	15.203	Pass	
Conducted Emission	15.207(a)	Pass	
Restricted Band of Operation	15.205	Pass	
Radiated Emission	15.209 15.249(a)	Pass	
20dB Bandwidth	15.215(c)	Pass	

Note:(1) "N/A" denotes test is not applicable to this device.

1.3. Test Facility

Test Site	Shenzhen ATA Testing Lab. Inc
Test Site Location	4th Floor, Building 10, No. 60 Nanchang Road, Nanchang Community, Xixiang Street, Bao'an District, Shenzhen City, China
Telephone:	+86 0755-2783-0095
Fax:	+86 0755-2783-0095

The test facility is recognized, certified, or accredited by the se organizations:	A2LA Accreditation Lab Certificate Number: 839205
	FCC Accredited Lab Designation Number: CN1455

1.4. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the Shenzhen ATA Testing Lab. Inc. system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device. Below is the best measurement capability for Shenzhen ATA Testing Lab. Inc.

Test Items	Measurement Uncertainty	U(k=2)
Radiated Emissions 9K-30MHz	± 2.70 dB	1.96
Radiated Emissions 30~1000MHz	± 5.432 dB	1.96
Radiated Emissions 1~18GHz	± 3.88 dB	1.96
Radiated Emissions 18~40GHz	± 5.32 dB	1.96
Conducted Emissions 9kHz~150KHz	± 3.90 dB	1.96
Conducted Emissions 150Hz~30MHz	± 3.52 dB	1.96
Occupied Bandwidth	$\pm 0.463\%$	1.96
Humidity uncertainty	$\pm 2.0\%$ RH	1.96
Temperature uncertainty	$\pm 0.6^{\circ}\text{C}$	1.96
Barometric pressure uncertainty	0.5hPa	1.96

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

1.5. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
Relative Humidity:	30~60 %
Air Pressure:	950~1050mba

2. GENERAL INFORMATION

2.1. General Description of EUT

Product Name:	Bluetooth wireless mouse
Trade Mark:	N/A
Test Model:	T2
Series Model(s):	ML003
Model Difference:	All the models are only different in appearance and color, these product are same PCB Layout, Schematics, BOM.
Power Source:	DC 5V
Hardware version:	REV 1.0
Software version:	V1.0
Modulation type:	GFSK
Operation frequency:	2411MHz-2471MHz
Channel number:	31
Bit Rate of transmitter:	1 Mbps
Antenna type:	PCB Antenna
Antenna gain:	1.0 dBi
Note:(1)All antenna information is provided by the manufacturer, test laboratory will not be responsible if any error. (2) The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity. (3) "N/A" Indicates inapplicability	

2.2. DESCRIPTION OF THE TEST MODES

Operation Frequency List: The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing. 31 channels are provided to the EUT. Channels 01/16/31 were selected for testing.

Operation Frequency List:

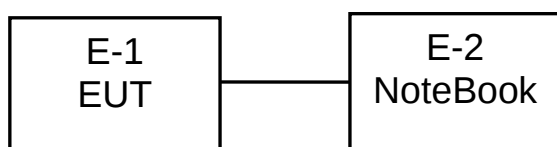
Channel	Frequency (MHz)
01	2411
02	2413
:	:
15	2439
16	2441
17	2443
:	:
30	2469
31	2471

Following channel(s) was (were) selected for the test as listed below.

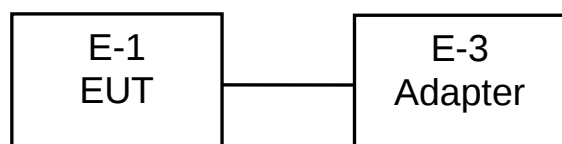
TESTED CHANNEL	TESTED FREQUENCY
Low	2411
Middle	2439
High	2471

2.3. BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

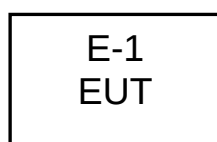
Radiated Spurious Emission Test



AC Conducted Emission Test



RF Conducted Test



4. DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Length	Note
E-2	Computer	Lenovo	ThinkPad R14 Gen 2	
E-3	Adapter	San gu	SG-0502000AU	

Item	Equipment	Mfr/Brand	Length	Note
C-1				

Note : (1) For detachable type VO cables should be specified the length in cm in Length column.

(2) "YES" is means "with core"; "NO" is means "without core".

2.5. Measurement Instruments List

Radiation emission							
Item	Equipment No.	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	ATA-E-001	966 chamber	CRT	9*6*6M	CRTNDCR966	2025-03-21	2028-03-20
2	ATA-E-011	AC Power Source	XINOUEHUA	APW-1300N	202504292663	2025-05-08	2026-05-07
3	ATA-E-013	DC Power Source	XINOUEHUA	ADC250-32D	202504292667	2025-05-08	2026-05-07
4	ATA-E-033	Receiver	R&S	ESPI7	100092	2025-05-08	2026-05-07
5	ATA-E-034	Broadband antenna	Schwarzbeck	VULB9168	01839	2025-07-17	2026-07-17
6	ATA-E-035	High Frequency Horn Antenna	Schwarzbeck	BBHA 9120D	03169	2025-07-17	2026-07-17
7	ATA-E-038	Cable	Times	0-18GHz	/	2025-05-08	2026-05-07
9	ATA-E-040	6dB attenuator	Zhengchang Liubo	6dB	/	2025-05-08	2026-05-07
10	ATA-E-039	Cable	Times	0-1GHz	/	2025-05-08	2026-05-07
11	ATA-E-041	Preamplifier	COM MV	DLNA8-1-18G-2705	10241234	2025-05-08	2026-05-07
12	ATA-E-042	Preamplifier	COM MV	DLNA8-0.09-1000-1034	5252881	2025-05-08	2026-05-07
13	ATA-E-044	Filter	MWRFTesT	ZHPF6-C3 000-18000-3129	08252098	2025-05-08	2026-05-07
14	ATA-E-045	Filter	MWRFTesT	ZHPF6-C6 500-18000-175	08252097	2025-05-08	2026-05-07
15	ATA-E-046	Filter	MWRFTesT	ZBSF6-C2 400-2483.5-543	08252096	2025-05-08	2026-05-07
16	ATA-E-047	Filter	MWRFTesT	ZBSF6-C5 100-5900-5713	08252095	2025-05-08	2026-05-07
17	ATA-E-051	Spectrum Analyzer	R&S	FSV40-N	101779	2025-07-29	2026-07-28
18	ATA-E-052	Cable	HELPLIGHT	2.92J/2.92J 10M	/	2026-01-19	2027-01-18
19	ATA-E-054	Cable	HELPLIGHT	2.92J/2.92J 0.8M	/	2026-01-19	2027-01-18
20	ATA-E-059	Antenna Tower	CRT	AT-1	/	/	/
21	ATA-E-005	Temperature and humidity meter	deli	LE502-WH	/	2025-05-08	2026-05-07
22	ATA-E-064	Barometer	Qingping	CGP23W	/	2026-01-28	2027-01-27
23	ATA-E-048	Loop Antenna	ZHINA	ZN30900C	21104CCUT SE019	2025-05-08	2026-05-07
24	ATA-E-049	Horn Antenna	ECHO MICrowave.,Ltd.	OBH100400	12221225	2025-05-08	2026-05-07
25	ATA-E-051	Spectrum Analyzer	R&S	FSV40-N	101779	2025-05-08	2026-05-07

Conduction emission							
Item	Equipment No.	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	ATA-E-032	EMI TEST RECEIVER	Schwarzbeck	ESCI3	1009300	2025-05-08	2026-05-08
2	ATA-E-037	Pulse Limiter	Schwarzbeck	VTSD 9561 F-N	/	2025-05-08	2026-05-08
3	ATA-E-069	Conductive test cable	Schwarzbeck	2.5m	N/A	2026-01-28	2027-01-27
4	ATA-E-036	LISN	Schwarzbeck	NSLK 8127	01169	2025-05-08	2026-05-08
5	ATA-E-072	Three-Line V-Network	ZHINAN	2N33770A	13003	2026-01-26	2026-01-27
6	ATA-E-009	Temperature and humidity meter	deli	LE502-WH	/	2025-05-08	2026-05-08
7	ATA-E-010	Barometer	Qingping	CGP23W	/	2025-05-08	2026-05-08

RF Conducted Test							
Item	Equipment No.	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
	ATA-E-029	Spectrum Analyzer	Keysight	N9020A	MY50530404	2025-05-08	2026-05-07
1	ATA-E-030	MXG AnaioG Signal Generator	Agilent	N5181A	MY47420598	2025-05-08	2026-05-07
2	ATA-E-031	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW500	161163	2025-05-08	2026-05-07
3	ATA-E-043	Radio Control Unit	MWRFTest	MW100-RFCB	MW250428A TA-55	2025-05-08	2026-05-07

Note:

1)The Cal. Interval was one year.

2)The cable loss has calculated in test result which connection between each test instruments.

2.5. Test Software

Software name	Model	Version
Conducted emission Measurement Software	EZ-EMC	FARAD-3A1.1+
Radiated emission Measurement Software	EZ-EMC	FARAD-3A1.1+
Bluetooth and WIFI Test System	MWRF8310	2.0.0.0

3. TEST ITEM AND RESULTS

3.1. Antenna requirement

Requirement

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (c), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Test Result

The directional gain of the antenna less than 6dBi, please refer to the EUT internal photographs antenna photo.

Antenna Information

The maximum gain of antenna was 1.0 dBi.

Note: The antenna gain is provided by the customer , if the data provided by the customer is not accurate, SHENZHEN ATA TESTING LAB. INC. does not assume any responsibility.

3.2. Conducted Emission

Limit

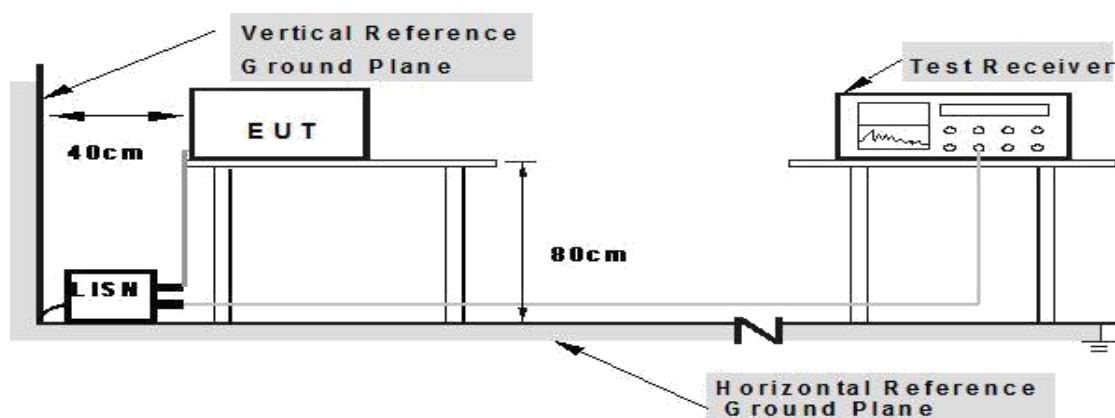
Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage (dB μ V)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

Test Configuration



Test Procedure

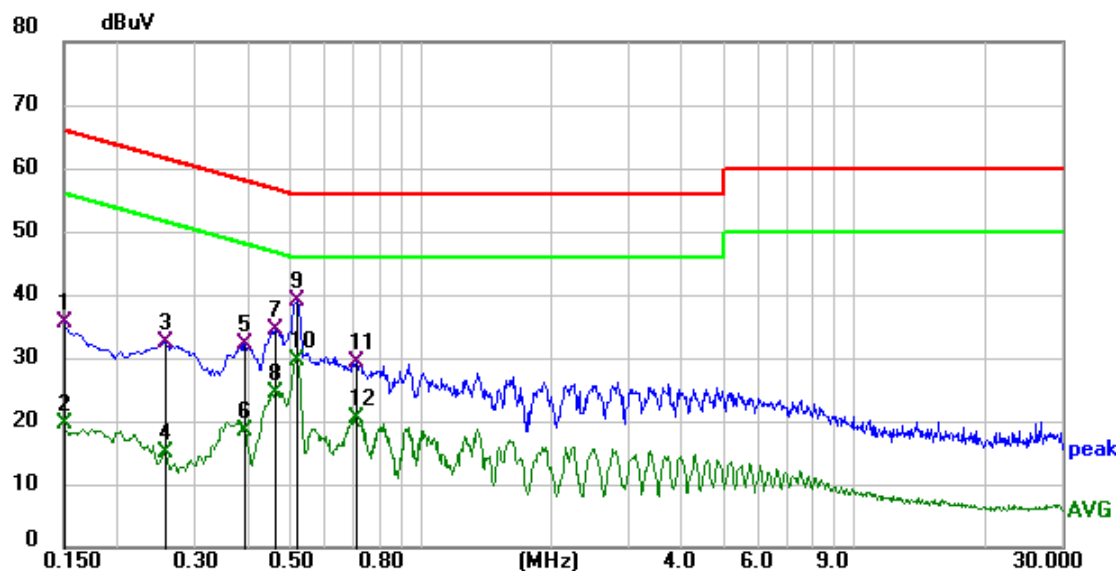
1. The EUT was setup according to ANSI C63.10:2020 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 0.8m above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 0.8m from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
4. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
5. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
6. Conducted Emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
7. During the above scans, the emissions were maximized by cable manipulation.

Test Mode: Please refer to the clause 2.3.

Test Results

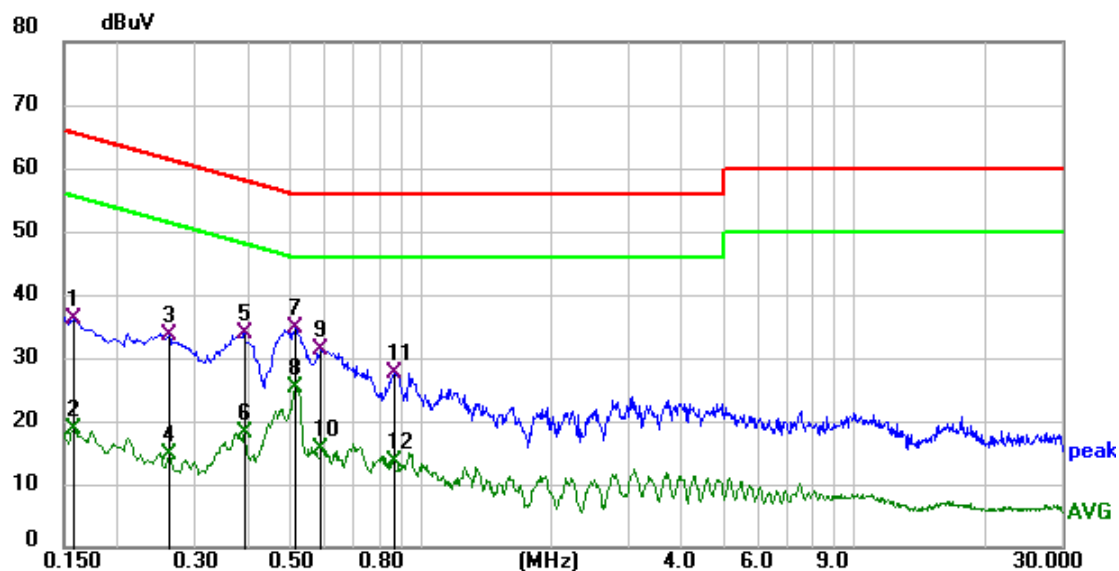
Pre-scan CH01, CH16 and CH31 channel, and found CH31 channel which it is worse case, so only show the test data for worse case.

EUT:	Bluetooth wireless mouse	Model Name:	T2
Pressure:	1010 hPa	Phase:	L
Temperature	24.8°C	Humidity	52.1%
Test Mode:	Charging+TX	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	25.35	10.11	35.46	66.00	-30.54	QP
2	0.1500	9.54	10.11	19.65	56.00	-36.35	AVG
3	0.2580	22.46	10.11	32.57	61.50	-28.93	QP
4	0.2580	4.79	10.11	14.90	51.50	-36.60	AVG
5	0.3899	22.16	10.12	32.28	58.07	-25.79	QP
6	0.3899	8.34	10.12	18.46	48.07	-29.61	AVG
7	0.4620	24.25	10.13	34.38	56.66	-22.28	QP
8	0.4620	14.24	10.13	24.37	46.66	-22.29	AVG
9	0.5180	28.92	10.13	39.05	56.00	-16.95	QP
10 *	0.5180	19.58	10.13	29.71	46.00	-16.29	AVG
11	0.7100	19.19	10.16	29.35	56.00	-26.65	QP
12	0.7100	10.28	10.16	20.44	46.00	-25.56	AVG

EUT:	Bluetooth wireless mouse	Model Name:	T2
Pressure:	1010 hPa	Phase:	N
Temperature	24.8°C	Humidity	52.1%
Test Mode:	Charging+TX	Test Voltage:	DC 5V



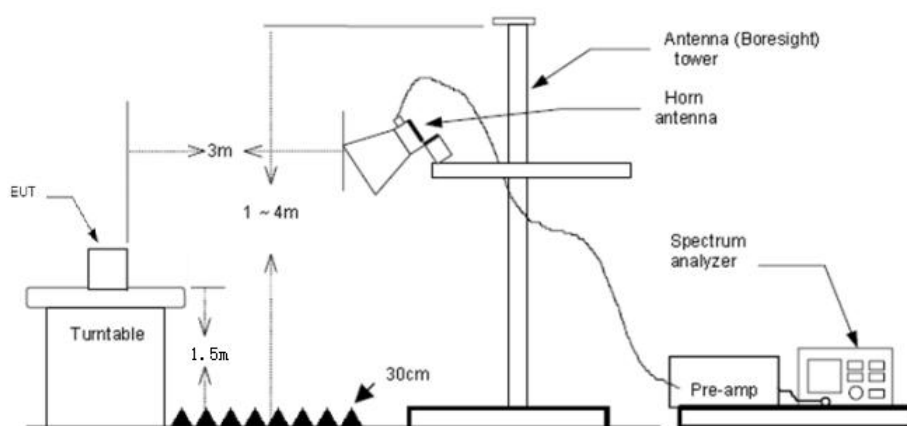
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1580	25.93	10.11	36.04	65.57	-29.53	QP
2	0.1580	8.55	10.11	18.66	55.57	-36.91	AVG
3	0.2620	23.50	10.11	33.61	61.37	-27.76	QP
4	0.2620	4.62	10.11	14.73	51.37	-36.64	AVG
5	0.3899	23.79	10.12	33.91	58.07	-24.16	QP
6	0.3899	7.97	10.12	18.09	48.07	-29.98	AVG
7	0.5140	24.66	10.13	34.79	56.00	-21.21	QP
8 *	0.5140	15.19	10.13	25.32	46.00	-20.68	AVG
9	0.5899	21.02	10.14	31.16	56.00	-24.84	QP
10	0.5899	5.57	10.14	15.71	46.00	-30.29	AVG
11	0.8700	17.35	10.15	27.50	56.00	-28.50	QP
12	0.8700	3.46	10.15	13.61	46.00	-32.39	AVG

3.3. Band Edge Emissions(Radiated)

Limit

Restricted Frequency Band (MHz)	(dBuV/m)(at 3m)	
	Peak	Average
2310 ~2390	74	54
2483.5 ~2500	74	54
Note: All restriction bands have been tested, only the worst case is reported.		

Test Configuration



Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2020 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2020 on radiated measurement.
5. The receiver set as follow:
 RBW=1MHz, VBW=3MHz PEAK detector for Peak value.
 RBW=1MHz, VBW=10Hz with PEAK Detector for Average Value.

Test Mode

Please refer to the clause 2.3.

Test Results

Note:

Measurement = Reading level + Correct Factor

Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector	Polarization
(MHz)	(dBμV)	(dB/m)	(dBμV/m)	(dBμV/m)	(dB)	Peak/AVG	H/V
GFSK – Low band-edge							
(MHz)	(dBμV)	(dB/m)	(dBμV/m)	(dBμV/m)	(dB)	Peak/AVG	H/V
2390	50.48	-6.23	44.25	74	-29.75	Peak	V
2390	40.28	-6.23	34.05	54	-19.95	AVG	V
2400	50.14	-6.21	43.93	74	-30.07	Peak	V
2400	40.5	-6.21	34.29	54	-19.71	AVG	V
2390	50.14	-6.23	43.91	74	-30.09	Peak	H
2390	40.18	-6.23	33.95	54	-20.05	AVG	H
2400	50.17	-6.21	43.96	74	-30.04	Peak	H
2400	40.14	-6.21	33.93	54	-20.07	AVG	H
GFSK – High band-edge							
2483.5	52.08	-5.79	46.29	74	-27.71	Peak	V
2483.5	43.52	-5.79	37.73	54	-16.27	AVG	V
2500	51.97	-5.72	46.25	74	-27.75	Peak	V
2500	43.5	-5.72	37.78	54	-16.22	AVG	V
2483.5	51.85	-5.79	46.06	74	-27.94	Peak	H
2483.5	43.18	-5.79	37.39	54	-16.61	AVG	H
2500	52.56	-5.72	46.84	74	-27.16	Peak	H
2500	43.25	-5.72	37.53	54	-16.47	AVG	H

3.4. Spurious Emission (Radiated)

Limit

Radiated Emission Limits (9 kHz~1000 MHz)

Frequency (MHz)	Field Strength (microvolt/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

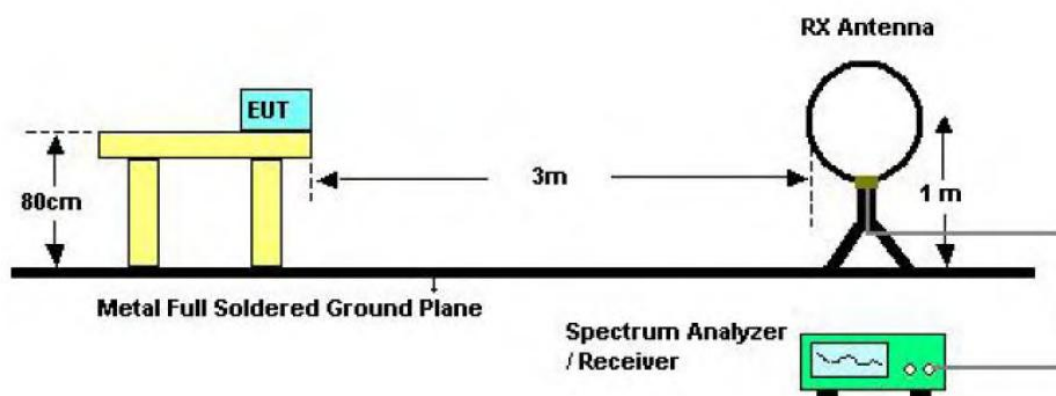
Radiated Emission Limit (Above 1000MHz)

Frequency (MHz)	Distance Meters(at 3m)	
	Peak	Average
Above 1000	74	54

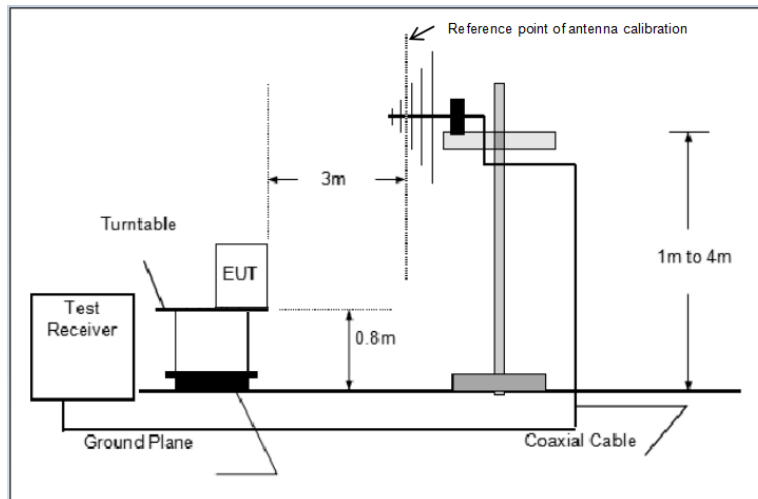
Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dBuV/m)=20log Emission Level (uV/m).

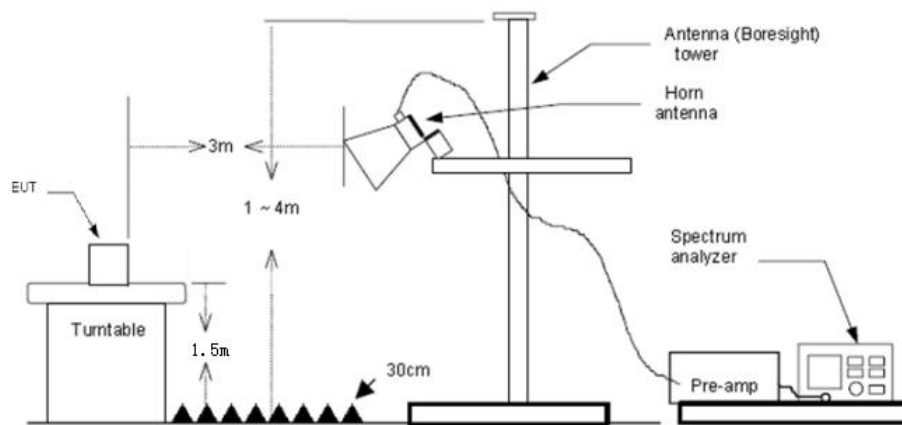
Test Configuration



Below 30MHz Test Setup



Below 1000MHz Test Setup



Above 1GHz Test Setup

Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2020
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 1 GHz:
RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;
If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
 - (3) From 1 GHz to 10th harmonic:
RBW=1MHz, VBW=3MHz Peak detector for Peak value.
RBW=1MHz, VBW=10Hz RMS detector for Average value.

Test Mode

Please refer to the clause 2.3.

Test Result**9 KHz~30 MHz and 18GHz~25GHz**

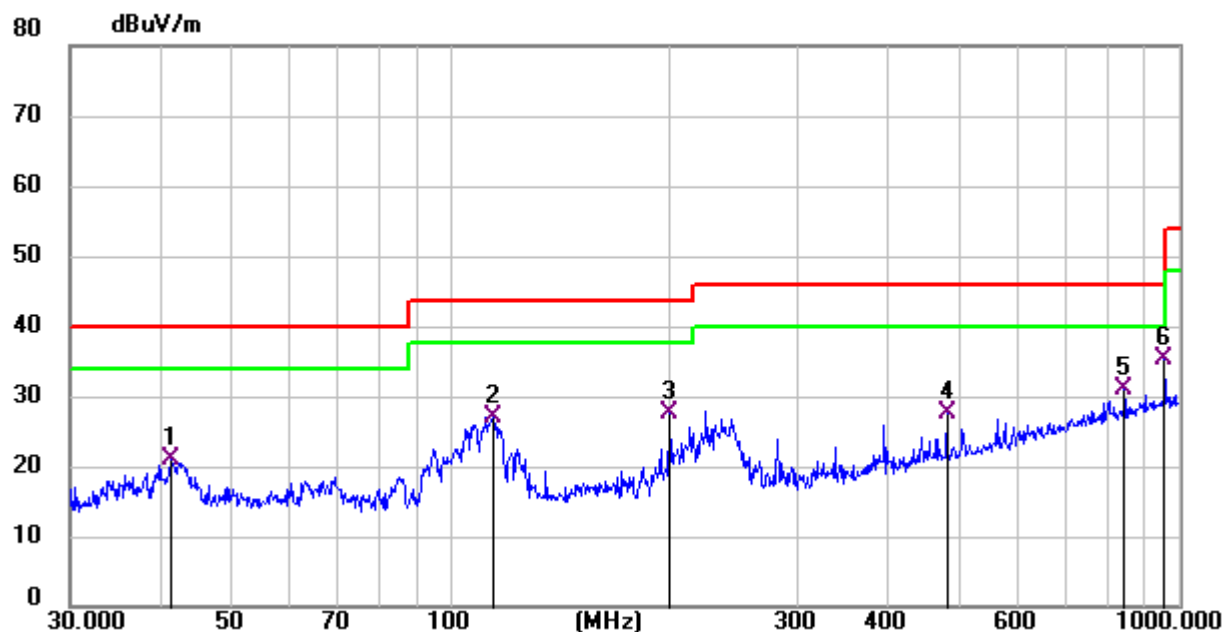
From 9 KHz~30 MHz and 18GHz~25GHz: Conclusion: PASS

Note:

- 1) Measurement = Reading level + Correct Factor
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor
- 2) The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
- 3) The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4) The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 5) Pre-scan CH01, CH16 and CH31 modulation, and found the CH31 which it is worse case for 30MHz-1GHz , so only show the test data for worse case.

Results of Radiated Emissions (30MHz~ 1000MHz)

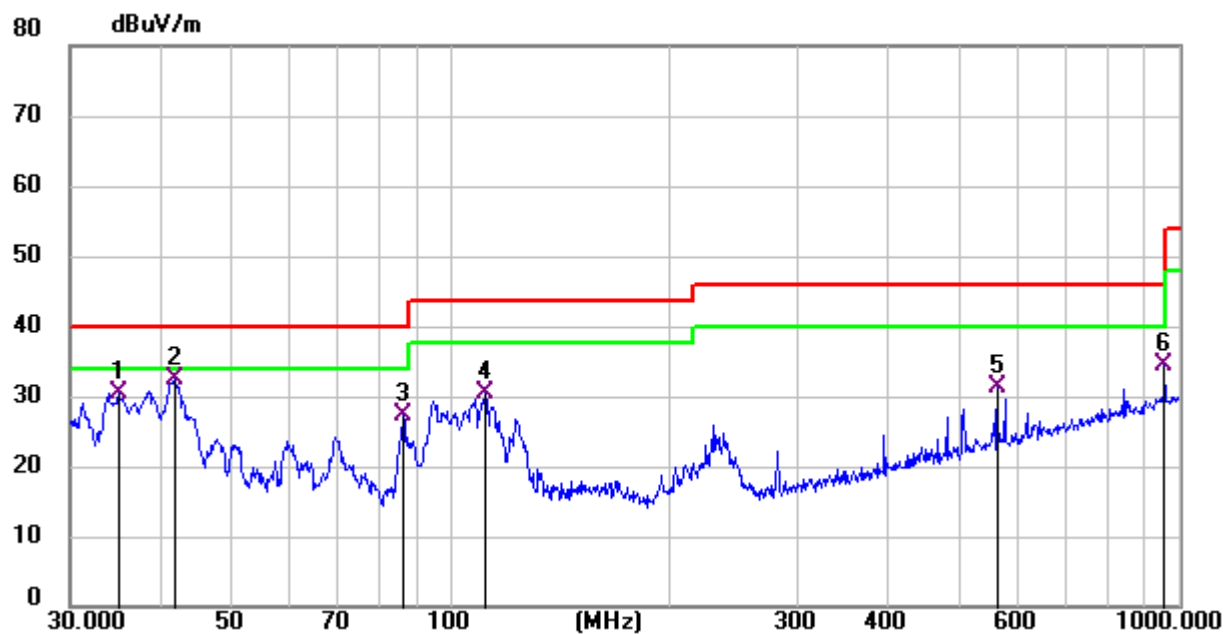
EUT:	Bluetooth wireless mouse	Model Name:	T2
Pressure:	1010 hPa	Phase:	Horizontal
Temperature	24.8℃	Humidity	52.1%
Test Mode:	TX	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.4215	33.53	-12.66	20.87	40.00	-19.13	QP
2	114.1137	41.36	-14.23	27.13	43.50	-16.37	QP
3	199.9855	42.99	-15.34	27.65	43.50	-15.85	QP
4	480.5276	34.96	-7.32	27.64	46.00	-18.36	QP
5	842.1296	31.91	-0.84	31.07	46.00	-14.93	QP
6 *	955.4381	34.49	0.68	35.17	46.00	-10.83	QP

Emission Level= Read Level+ Correct Factor

EUT:	Bluetooth wireless mouse	Model Name:	T2
Pressure:	1010 hPa	Phase:	Horizontal
Temperature	24.8℃	Humidity	52.1%
Test Mode:	TX	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	35.0048	43.72	-13.28	30.44	40.00	-9.56	QP
2 *	41.7129	45.04	-12.69	32.35	40.00	-7.65	QP
3	86.2000	43.97	-16.80	27.17	40.00	-12.83	QP
4	111.7380	45.10	-14.57	30.53	43.50	-12.97	QP
5	562.6623	36.84	-5.45	31.39	46.00	-14.61	QP
6	955.4381	33.74	0.68	34.42	46.00	-11.58	QP

Emission Level= Read Level+ Correct Factor

Results of Radiated Emissions (Above 1GHz)

Frequency	Reading	Correct	Emission level	Limits	Margin	Polar	Detector
(MHz)	dBμV/m	dB/m	dBμV/m	dBμV/m	dB	H/V	PK/AV
Lowest Channel (2411MHz)							
2411	112.17	-20.89	91.28	114	-22.72	H	PK
2411	89.49	-20.89	68.6	94	-25.4	H	AV
4822	79.58	-14.72	64.86	74	-9.14	H	PK
4822	59.6	-14.72	44.88	54	-9.12	H	AV
7233	63.46	-8.41	55.05	74	-18.95	H	PK
7233	50.35	-8.41	41.94	54	-12.06	H	AV
2411	103.65	-20.7	82.95	114	-31.05	V	PK
2411	86.68	-20.7	65.98	94	-28.02	V	AV
4822	77.27	-14.72	62.55	74	-11.45	V	PK
4822	59.36	-14.72	44.64	54	-9.36	V	AV
7233	63.5	-8.41	55.09	74	-18.91	V	PK
7233	50.41	-8.41	42.00	54	-12.00	V	AV
Middle Channel (2441MHz)							
2441	113.32	-20.55	92.77	114	-21.23	H	PK
2441	90.07	-20.55	69.52	94	-24.48	H	AV
4882	78.27	-14.64	63.63	74	-10.37	H	PK
4882	61.16	-14.64	46.52	54	-7.48	H	AV
7323	65.19	-8.28	56.91	74	-17.09	H	PK
7323	48.55	-8.28	40.27	54	-13.73	H	AV
2441	107.31	-20.55	86.76	114	-27.24	V	PK
2441	87.76	-20.55	67.21	94	-26.79	V	AV
4882	78.07	-14.64	63.43	74	-10.57	V	PK
4882	59.62	-14.64	44.98	54	-9.02	V	AV
7323	65.69	-8.28	57.41	74	-16.59	V	PK
7323	50.27	-8.28	41.99	54	-12.01	V	AV

Highest Channel (2471MHz)							
Frequency	Reading	Correct	Emission level	Limits	Margin	Polar	Detector
(MHz)	dBμV/m	dB/m	dBμV/m	dBμV/m	dB	H/V	PK/AV
2471	109.2	-20.89	88.31	114	-25.69	H	PK
2471	92.09	-20.89	71.2	94	-22.8	H	AV
4942	76.79	-14.53	62.26	74	-11.74	H	PK
4942	62.75	-14.53	48.22	54	-5.78	H	AV
7413	63.82	-8.13	55.69	74	-18.31	H	PK
7413	51.03	-8.13	42.90	54	-11.10	H	AV
2471	104.85	-20.89	83.96	114	-30.04	V	PK
2471	90.66	-20.89	69.77	94	-24.23	V	AV
4942	74.28	-14.53	59.75	74	-14.25	V	PK
4942	60.32	-14.53	45.79	54	-8.21	V	AV
7413	63.76	-8.13	55.63	74	-18.37	V	PK
7413	50.4	-8.13	42.27	54	-11.73	V	AV

3.5. 20dB and 99% Bandwidth

Limit

FCC §15.215(c)

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

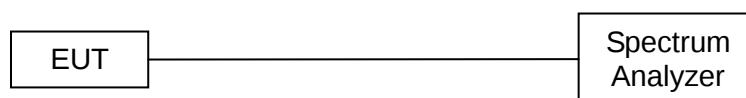
Test Procedure

Use the following spectrum analyzer settings:

For 20 dB bandwidth

1. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel
2. RBW $\geq 1\%$ of the 20 dB bandwidth
3. VBW $\geq$ RBW
4. Sweep = auto
5. Detector function = peak
6. Trace = max hold
7. The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth and 99% occupied bandwidth of the emission

Test Setup



Test Results

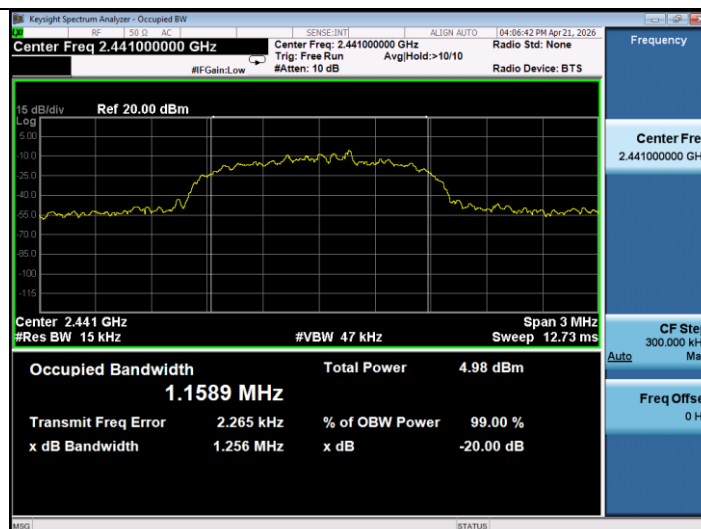
Frequency (MHz)	20dB bandwidth (MHz)
2411	1.245
2441	1.256
2471	1.256

Test plots

2411MHz



2441MHz



2471MHz



4. EUT TEST PHOTOS

Note: Refer to the attached test photos

5. PHOTOGRAPHS OF EUT CONSTRUCTIONAL

Note: Refer to the attached exterior and interior photos

*****THE END*****