

FCC RADIO TEST REPORT FCC ID:2AEFF-M001

Product: TeckNet M001 Gaming Mouse Wireless

Trade Name: TECKNET

Model Name: M001

Serial Model: N/A

Report No.: NTEK-2015NT0724364F2

Prepared for

SHENZHEN UNICHAIN TECHNOLOGY CO.,LTD.

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Prepared by

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TEST RESULT CERTIFICATION

Report No.: NTEK-2015NT0724364F2

Address: Manufacture's Name: Address:	SHENZHEN UNICHAIN TECHNOLOGY CO.,LTD. 5/F, Block17, Lishan Industrial Park, Nanshan District, Shenzhen,China. Eastern Times Technology Co.LTD. Building D,Nan An Industrial Area, Youganpu Village,Fenggang Town, Dongguan City,Guangdong, China				
Product description					
Product name:		M001 Gaming Mouse Wireless			
Model and/or type reference :	M001				
Serial Model:	N/A				
Rating(s)::	DC 1.5V				
Standards:	FCC Part	t15.249 01 Oct. 2014			
Test procedure	ANSI C63	3.10-2013			
	n compliar	sted by NTEK, and the test results show that the nee with the FCC requirements. And it is applicable only rt.			
·	vised by N	ot in full, without the written approval of NTEK, this TEK, personnel only, and shall be noted in the revision of			
Date (s) of performance of tests	:	24 Jul. 2015 ~02 Sep. 2015			
Date of Issue	:	02 Sep. 2015			
Test Result	:	Pass			
Testing Engine	eer :	Eileen Wu.			
Technical Mar	nager :	(Eileen Liu) Rewn Lu (Brown Lu)			
Authorized Sig	gnatory :	(Sam Chen)			



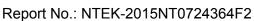
Table of Contents	Page
1 . SUMMARY OF TEST RESULTS	4
1.1 TEST FACILITY	5
1.2 MEASUREMENT UNCERTAINTY	5
2 . GENERAL INFORMATION	6
2.1 GENERAL DESCRIPTION OF EUT	6
2.2 DESCRIPTION OF TEST MODES	8
2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTE	D 9
2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)	10
2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS	11
3 . ANTENNA REQUIREMENT	12
3.1 STANDARD REQUIREMENT	12
3.2 EUT ANTENNA	12
3.3 CONDUCTED EMISSION MEASUREMENT	13
3.3.1 POWER LINE CONDUCTED EMISSION LIMITS	13
3.3.2 TEST PROCEDURE	14
3.3.3 DEVIATION FROM TEST STANDARD 3.3.4 TEST SETUP	14 14
3.2.5 TEST RESULT	15
3.4 RADIATED EMISSION MEASUREMENT	16
3.4.1 RADIATED EMISSION LIMITS	16
3.4.2 TEST PROCEDURE	17
3.4.3 DEVIATION FROM TEST STANDARD 3.4.4 TEST SETUP	17 18
3.4.5 TEST RESULTS (BLOW 30MHZ)	20
3.4.6 TEST RESULTS (BETWEEN 30 – 1000 MHZ)	21
3.4.7 TEST RESULTS (ABOVE 1000 MHZ)	23
3.4.8 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)	29
4 . BANDWIDTH TEST	33
4.1 TEST PROCEDURE	33
4.2 DEVIATION FROM STANDARD	33
4.3 TEST SETUP 4.4 TEST RESULTS	33 34
5 . EUT TEST PHOTO APPENDIX-PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS	36



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15, Subpart C (15.249)					
Standard Section	Test Item	Judgment	Remark		
15.207	Conducted Emission	N/A			
15.203	Antenna Requirement	Pass			
15.249	Radiated Spurious Emission	Pass			
15.205	Band Edge Emission	Pass			
15.249	Occupied Bandwidth	Pass			





1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd

Add.: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District,

Shenzhen P.R. China.

FCC FRN Registration No.:238937; IC Registration No.:9270A-1

CNAS Registration No.:L5516

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95 % $^{\circ}$

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	TeckNet M001 Gaming Mouse Wireless			
Trade Name	TECKNET			
Model Name	M001			
Serial Model	N/A			
Model Difference	N/A			
Product Description	The EUT is a TeckNet M001 Gaming Mouse Wireless Operation Frequency: 2408-2474MHz			
Channel List	Please refer to the Note 2.			
Adapter	N/A			
Battery	DC 1.5V			

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2408	18	2442
02	2410	19	2444
03	2412	20	2446
04	2414	21	2448
05	2416	22	2450
06	2418	23	2452
07	2420	24	2454
08	2422	25	2456
09	2424	26	2458
10	2426	27	2460
11	2428	28	2462
12	2430	29	2464
13	2432	30	2466
14	2434	31	2468
15	2436	32	2470
16	2438	33	2472
17	2440	34	2474

Table for Filed Antenna

 40.0	7 101 1 1104 7 1	11011110				
Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	PCB Antenna	N/A	1.0	Antenna



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	CH 01
Mode 2	CH 17
Mode 3	CH 34
Mode 4	Link Mode

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The EUT use new battery.



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2.3	BLOCK DIGR	AM SHOWING	THE CONFIGURATION	OF SYSTEM TESTED

Radiated Spurious Emission Test

E-1 EUT

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2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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	Model/Type No.	Series No.	Note
E-1	TeckNet M001 Gaming Mouse Wireless	TECKNET	M001	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>『Length』</code> column.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Page 11 of 36

Radiation Test equipment

	ation root oquipino				
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	Agilent	E4407B	160400005	Jul. 06. 2016
2	Test Receiver	R&S	ESPI	101318	Jul. 06. 2016
3	Bilog Antenna	TESEQ	CBL6111D	31216	Jul. 06. 2016
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	Jul. 06. 2016
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	Jul. 06. 2016
6	Horn Antenna	EM	EM-AH-10180	2011071402	Jul. 06. 2016
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	Jul. 06. 2016
8	Amplifier	EM	EM-30180	060538	Jul. 06. 2016
9	Loop Antenna	ARA	PLA-1030/B	1029	Jul. 06. 2016
10	Power Meter	R&S	NRVS	100696	Jul. 06. 2016

Conduction Test equipment

COIL	Conduction rest equipment							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until			
1	Test Receiver	R&S	ESCI	101160	Jul. 06. 2016			
2	LISN	R&S	ENV216	101313	Jul. 06. 2016			
3	LISN	EMCO	3816/2	00042990	Jul. 06. 2016			
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	Jul. 06. 2016			
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	Jul. 06. 2016			
6	Absorbing clamp	R&S	MOS-21	100423	Jul. 06. 2016			



3. ANTENNA REQUIREMENT

3.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 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.

3.2 EUT ANTENNA



3.3 CONDUCTED EMISSION MEASUREMENT

3.3.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

	Class A (dBuV)		Class B (dBuV)		Standard	
FREQUENCY (MHz)	Quasi-peak	Average	Quasi-peak	Average	Standard	
0.15 -0.5			66 - 56 *	56 - 46 *	CISPR	
0.50 -5.0			56.00	46.00	CISPR	
5.0 -30.0			60.00	50.00	CISPR	

0.15 -0.5		66 - 56 *	56 - 46 *	LP002.
0.50 -5.0		56.00	46.00	LP002.
5.0 -30.0		60.00	50.00	LP002.

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



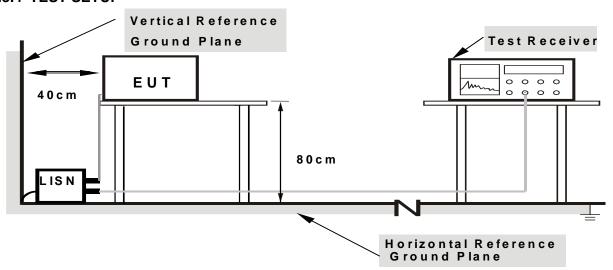
3.3.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3.3 DEVIATION FROM TEST STANDARD

No deviation

3.3.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes



3.2.5 TEST RESULT

EUT:	TeckNet M001 Gaming Mouse Wireless	Model Name. :	M001
Temperature :	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	N/A
Test Voltage :	N/A	Test Mode:	N/A

Page 15 of 36



3.4 RADIATED EMISSION MEASUREMENT

3.4.1 Radiated Emission Limits (FCC 15.209)

Frequencies (MHz)	Field Strength (micorvolts/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
Frequency (MHz)	Limit (dBuV)	
30~88	40	3
88~216	43.5	3
216~960	46	3
960 -10000	54.00	3
*902 - 928	94.00	3

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).
- (3) *Note: This is the limit for the fundamental frequency.

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.249)

Frequency of Emission (MHz)	Field Strength of fundamental ((millivolts /meter)	Field Strength of Harmonics (microvolts/meter)	
902-928	50	500	

Notes:

(1) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP



3.4.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos. Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

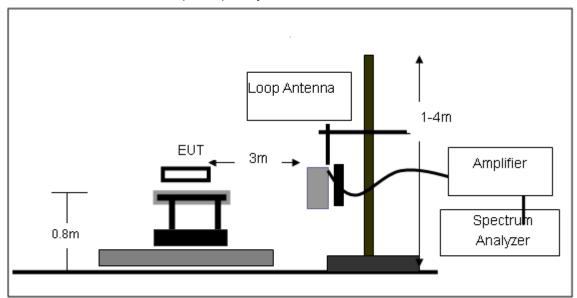
3.4.3 DEVIATION FROM TEST STANDARD

No deviation



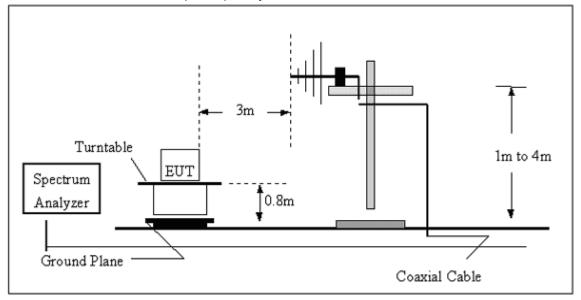
3.4.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz



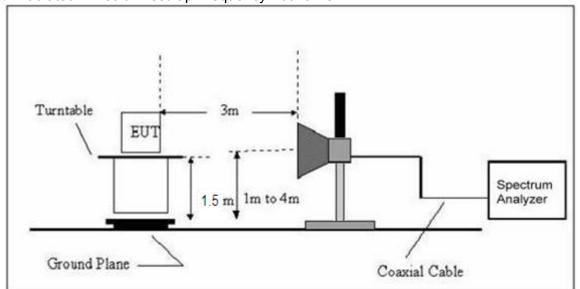
Page 18 of 36

(B) Radiated Emission Test-Up Frequency 30MHz~1GHz





(C) Radiated Emission Test-Up Frequency Above 1GHz



Page 19 of 36



3.4.5 TEST RESULTS (BLOW 30MHz)

FUI.	TeckNet M001 Gaming Mouse Wireless	Model Name. :	M001
Temperature :	20 ℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 1.5V
Test Mode :	TX	Polarization :	

Page 20 of 36

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
				PASS
			1	PASS

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =20 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.



3.4.6 TEST RESULTS (BETWEEN 30 – 1000 MHZ)

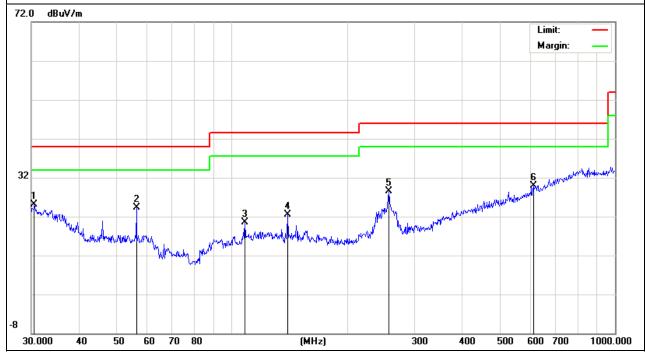
EUT:	TeckNet M001 Gaming Mouse Wireless	Model Name :	M001
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 1.5V
Test Mode :	TX	Polarization :	Vertical

Page 21 of 36

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
30.5304	5.90	19.14	25.04	40.00	-14.96	QP
56.3947	15.36	8.87	24.23	40.00	-15.77	QP
108.2667	10.80	9.78	20.58	43.50	-22.92	QP
139.8505	11.00	11.42	22.42	43.50	-21.08	QP
257.4221	14.88	13.68	28.56	46.00	-17.44	QP
614.2142	7.19	22.70	29.89	46.00	-16.11	QP

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.





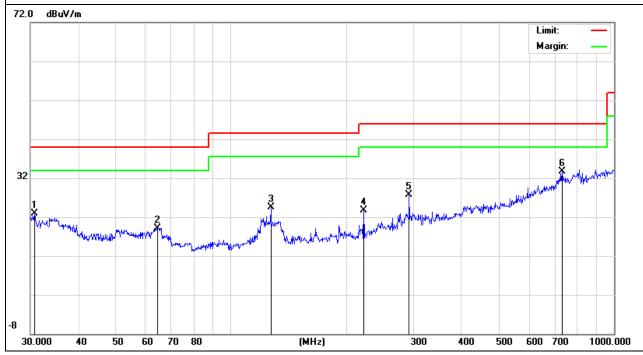
EUT:	TeckNet M001 Gaming Mouse Wireless	Model Name :	M001
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 1.5V
Test Mode :	TX	Polarization :	Horizontal

Page 22 of 36

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
30.7454	3.84	19.03	22.87	40.00	-17.13	QP
64.4330	12.34	6.84	19.18	40.00	-20.82	QP
127.2176	12.48	11.95	24.43	43.50	-19.07	QP
222.1698	11.47	12.28	23.75	46.00	-22.25	QP
292.0581	13.61	14.06	27.67	46.00	-18.33	QP
731.9202	8.09	25.63	33.72	46.00	-12.28	QP

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.





3.4.7 TEST RESULTS (ABOVE 1000 MHZ)

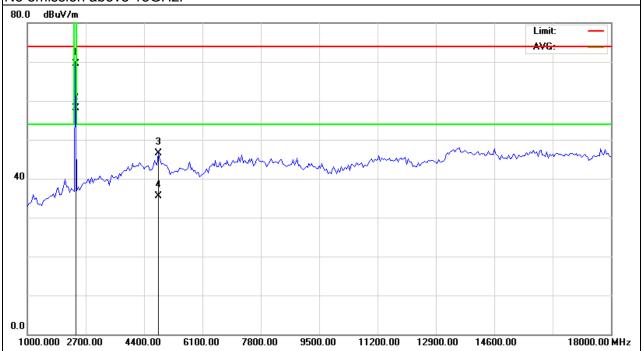
EUT:	TeckNet M001 Gaming Mouse Wireless	Model Name :	M001
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 1.5V
Test Mode :	TX-2408MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2408.00	78.77	-9.21	69.56	114.00	-44.44	peak
2408.00	67.41	-9.21	58.20	94.00	-35.80	AVG
4816.00	46.34	0.17	46.51	74.00	-27.49	peak
4816.00	35.43	0.17	35.60	54.00	-18.40	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission above 18GHz.





EUT:	TeckNet M001 Gaming Mouse Wireless	Model Name :	M001
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 1.5V
Test Mode :	TX-2408MHz	Polarization :	Vertical

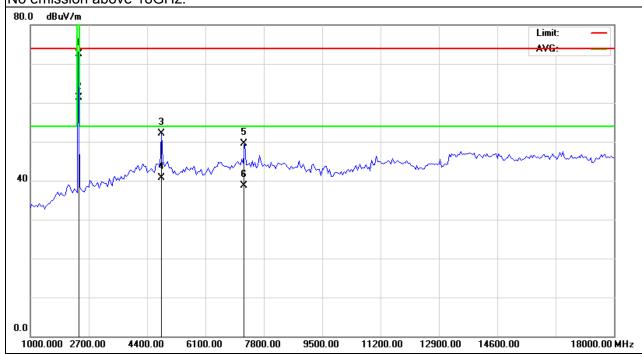
Page 24 of 36

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2408.00	81.67	-9.21	72.46	114.00	-41.54	peak
2408.00	70.51	-9.21	61.30	94.00	-32.70	AVG
4816.00	51.93	0.17	52.10	74.00	-21.90	peak
4816.00	40.53	0.17	40.70	54.00	-13.30	AVG
7224.00	47.16	2.25	49.41	74.00	-24.59	peak
7224.00	36.55	2.25	38.80	54.00	-15.20	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission above 18GHz.





TeckNet M001 Gaming Mouse Model Name : EUT: M001 Wireless 20 ℃ Relative Humidity: 48% Temperature: Test Voltage : Pressure: 1010 hPa DC 1.5V Test Mode : Polarization: TX-2440MHz Horizontal

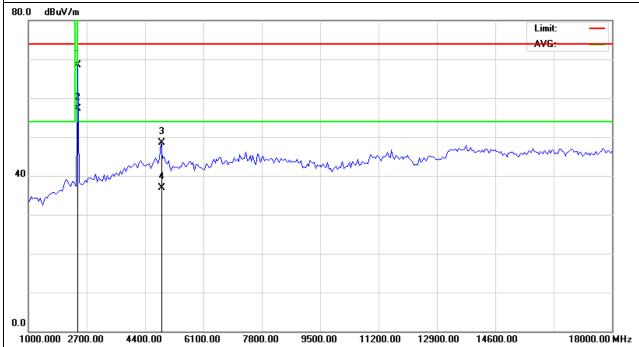
Page 25 of 36

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2440.00	77.71	-9.15	68.56	114.00	-45.44	peak
2440.00	66.45	-9.15	57.30	94.00	-36.70	AVG
4880.00	48.51	0.08	48.59	74.00	-25.41	peak
4880.00	36.82	0.08	36.90	54.00	-17.10	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission above 18GHz.





TeckNet M001 Gaming Mouse Model Name : EUT: M001 Wireless 20 ℃ Relative Humidity: 48% Temperature: Test Voltage : Pressure: 1010 hPa DC 1.5V Test Mode : Polarization: TX-2440MHz Vertical

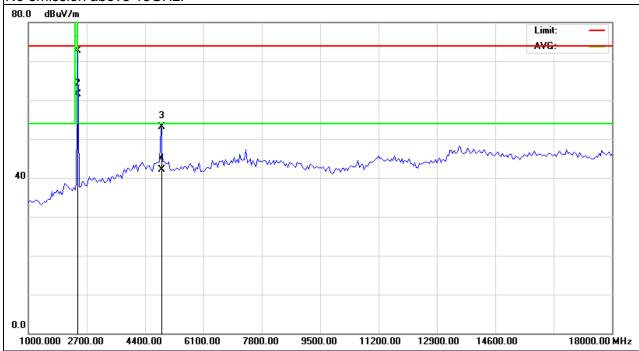
Page 26 of 36

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2440.00	81.78	-9.15	72.63	114.00	-41.37	peak
2440.00	70.65	-9.15	61.50	94.00	-32.50	AVG
4880.00	53.00	0.08	53.08	74.00	-20.92	peak
4880.00	42.02	0.08	42.10	54.00	-11.90	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission above 18GHz.





EUT:	TeckNet M001 Gaming Mouse Wireless	Model Name :	M001
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 1.5V
Test Mode :	TX-2474MHz	Polarization :	Horizontal

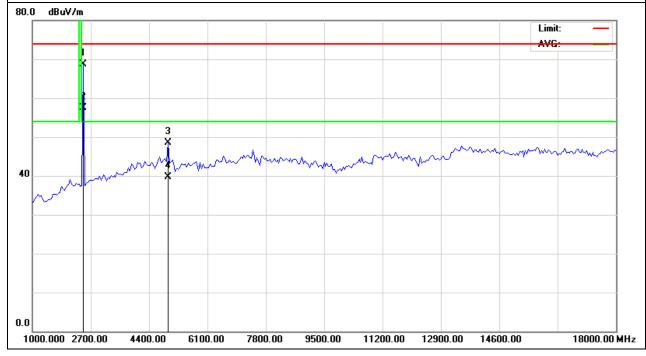
Page 27 of 36

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2474.00	77.67	-9.03	68.64	114.00	-45.36	peak
2474.00	66.63	-9.03	57.60	94.00	-36.40	AVG
4948.00	48.32	0.17	48.49	74.00	-25.51	peak
4948.00	39.53	0.17	39.70	54.00	-14.30	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission above 18GHz.



.



EUT:	TeckNet M001 Gaming Mouse	Model Name :	M001
	vvireless	Relative Humidity:	
Pressure :	1010 hPa	Test Voltage :	DC 1.5V
Test Mode :	TX-2474MHz	Polarization :	Vertical

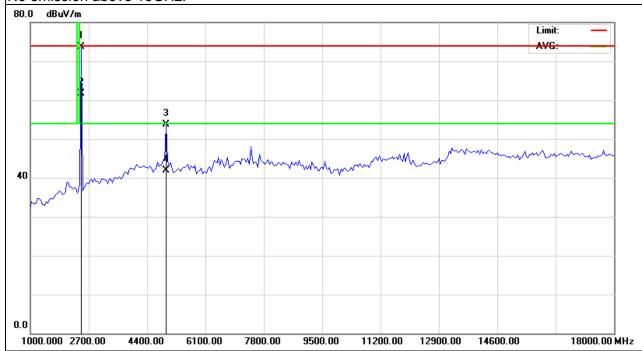
Page 28 of 36

Frequ	uency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(M	Hz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
247	4.00	82.74	-9.03	73.71	114.00	-40.29	peak
247	4.00	70.73	-9.03	61.70	94.00	-32.30	AVG
494	8.00	53.45	0.17	53.62	74.00	-20.38	peak
494	8.00	41.83	0.17	42.00	54.00	-12.00	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission above 18GHz.



Note: EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report(X orientation).



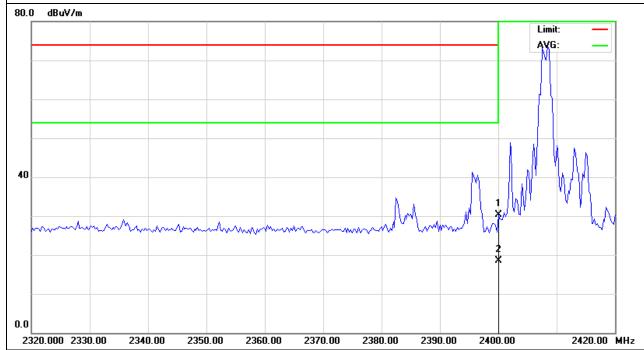
3.4.8 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT:	TeckNet M001 Gaming Mouse Wireless	Model Name :	M001
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 1.5V
Test Mode :	TX-2408MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400.00	39.49	-9.22	30.27	74.00	-43.73	peak
2400.00	27.82	-9.22	18.60	54.00	-35.40	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.





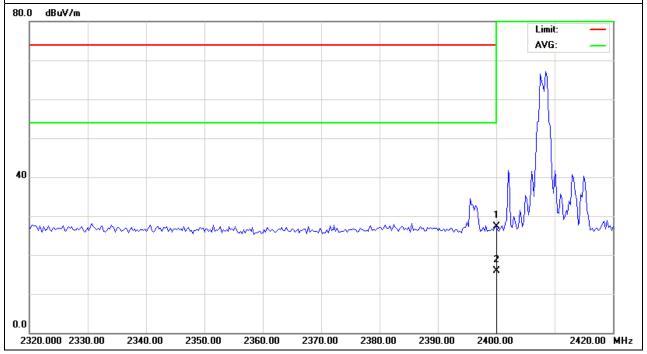
Page 30 of 36

EUT:	TeckNet M001 Gaming Mouse Wireless	Model Name :	M001
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 1.5V
Test Mode :	TX-2408MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400.00	36.47	-9.22	27.25	74.00	-46.75	peak
2400.00	25.12	-9.22	15.90	54.00	-38.10	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.





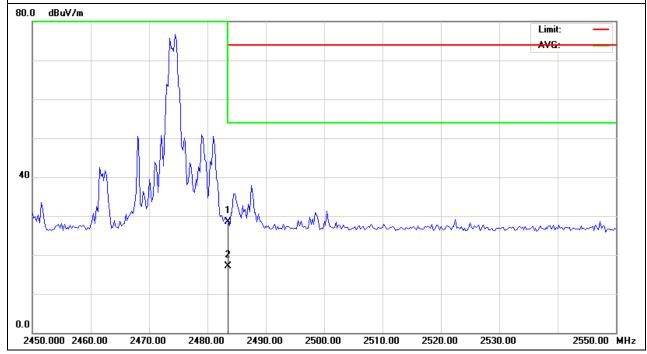
EUT:	TeckNet M001 Gaming Mouse Wireless	Model Name :	M001
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 1.5V
Test Mode :	TX-2474MHz	Polarization :	Horizontal

Page 31 of 36

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.500	37.51	-8.99	28.52	74.00	-45.48	peak
2483.500	26.19	-8.99	17.20	54.00	-36.80	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.





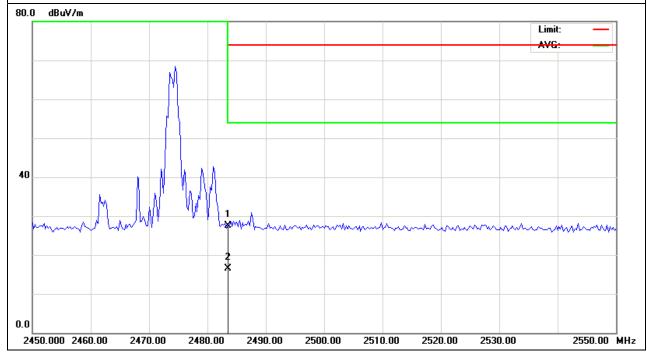
EUT:	TeckNet M001 Gaming Mouse Wireless	Model Name :	M001
Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 1.5V
Test Mode :	TX-2474MHz	Polarization ·	Vertical

Page 32 of 36

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.500	36.45	-8.99	27.46	74.00	-46.54	peak
2483.500	25.59	-8.99	16.60	54.00	-37.40	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.





4. BANDWIDTH TEST

4.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

Page 33 of 36

b. Spectrum Setting : RBW= 100KHz, VBW≥RBW, Sweep time = Auto.

4.2 DEVIATION FROM STANDARD

No deviation.

4.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER



4.4 TEST RESULTS

EUT:	TeckNet M001 Gaming Mouse Wireless	Model Name :	M001
Temperature :	26 ℃	Relative Humidity:	53%
Pressure:	1020 hPa	Test Power :	DC 1.5V
Test Mode :	TX		

Page 34 of 36

Test Channel	Frequency (MHz)	20 dBc Bandwidth (MHz)
CH01	2408	2.307
CH17	2440	2.320
CH34	2474	2.307

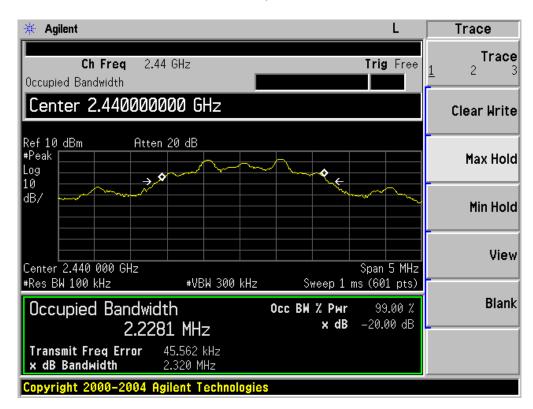
2408 MHz



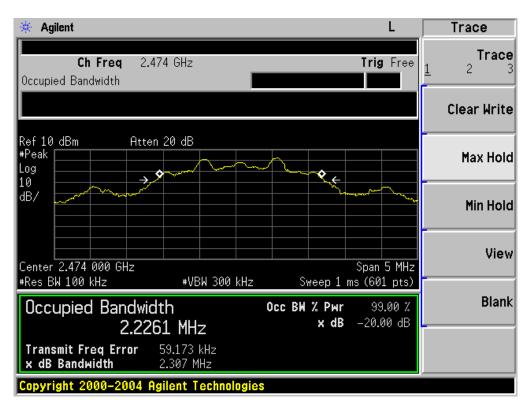


2440MHz

Page 35 of 36



2474 MHz





5. EUT TEST PHOTO



