

# FCC TEST REPORT

**Product** RF mouse

Trade mark N/A

Model/Type reference 1TIPS-1000

N/A **Serial Number** 

**Report Number** EED32H00263201

**FCC ID** : 2AG55AA0602

Date of Issue : Jan. 14, 2016

47 CFR Part 15 Subpart B (2015) **Test Standards** 

Test result **PASS** 

## Prepared for:

uHDevice Electronics Jiangsu Co., Ltd. No 168, Lengyu Road, Dantu District, Zhengjiang City, Jiangsu Province

### Prepared by:

Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

> TEL: +86-755-3368 3668 FAX: +86-755-3368 3385

Compiled by:

Reviewed by:

Report Seal

Date:

Jan. 14, 2016

Sheek Luo

Lab supervisor

Check No.: 2254788607

Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com









2 Version

Version No.	Date	Description
00	Jan. 14, 2016	Original

















































































# 3 Test Summary

Test Item	Test Requirement	Test method	Result
Radiated Emission	47 CFR Part 15B	ANSI C63.4-2014	PASS
Conducted Emission (150KHz to 30MHz)	47 CFR Part 15B	ANSI C63.4-2014	PASS

### Remark:

The tested sample(s) and the sample information are provided by the client.

N/A: In this whole report not application.





Report No. : EED32H00263201 Page 4 of 23

# 4 Contents

							Page
1 COVER PAG	E		•••••	•••••	•••••	•••••	1
2 VERSION		•••••	•••••	•••••	•••••	•••••	2
3 TEST SUMM	ARY	•••••		•••••	•••••	•••••	3
4 CONTENTS		•••••		•••••		•••••	4
5 GENERAL IN	FORMATION	••••••	•••••	•••••	•••••	•••••	5
5.2 GENERAL 5.3 PRODUCT 5.4 TEST ENV 5.5 DESCRIPT 5.6 TEST LOC 5.7 TEST FAC 5.8 DEVIATION 5.9 ABNORMA 5.10 OTHER I	FORMATION  DESCRIPTION O SPECIFICATION FIRONMENT AND FION OF SUPPOR FATION  ILITY  FROM STANDA LITIES FROM ST NFORMATION RE EMENT UNCERT	F EUTSUBJECTIVE TO MODET UNITST UNITS	O THIS STANDA	NRD			55
6 EQUIPMENT		`		,			
7 TEST RESUL	TS AND MEAS	SUREMENT D	OATA		•••••		10
	ED EMISSIONS						
APPENDIX 1 P	HOTOGRAPH	S OF TEST S	ETUP	••••••	••••••	••••••	18
APPENDIX 2 P	HOTOGRAPH	S OF EUT	••••••	••••••	••••••	••••••	19



Report No. : EED32H00263201 Page 5 of 23

## 5 General Information

## 5.1 Client Information

Applicant:	uHDevice Electronics Jiangsu Co., Ltd.
Address of Applicant:	No 168, Lengyu Road, Dantu District , Zhengjiang City, Jiangsu Province
Manufacturer:	uHDevice Electronics Jiangsu Co., Ltd.
Address of Manufacturer:	No 168, Lengyu Road, Dantu District , Zhengjiang City, Jiangsu Province
Factory:	uHDevice Electronics Jiangsu Co., Ltd.
Address of Factory:	No 168, Lengyu Road, Dantu District , Zhengjiang City, Jiangsu Province

# 5.2 General Description of EUT

Product Name:	RF mouse	(C)	(6,2)
Model No.:	1TIPS-1000		
Trade mark:	N/A		
EUT Supports Radios application:	2402MHz-2480MHz		
Power Supply:	DC 5V by PC		(0)

## 5.3 Product Specification subjective to this standard

Carrier Frequency:	2402MHz-2480MHz	/°>
Modulation Technique:	GFSK	(2.11)
Number of Channels:	16	
Sample Type:	Portable production	
Test voltage:	AC 120V/60Hz	
Sample Received Date:	Dec. 23, 2015	
Sample tested Date:	Dec. 23, 2015 to Jan. 14, 2016	(0.)

## 5.4 Test Environment and Mode

Operating Environment:				
Temperature:	24 °C	(6.57)	(6.77)	
Humidity:	54 % RH			
Atmospheric Pressure:	1010mbar			
Test mode:	(2)		(*)	/°>
Normal operation	Keep the EUT at PC com	munication mode	(T)	(61)

## 5.5 Description of Support Units

The EUT has been tested with associated equipment below.

Description	ption Manufacturer Model No.		Certification	Supplied by
PC	Dell	DPTIPLE×755	FCC DOC	CTI
Monitor	Dell	E157FPC	FCC DOC	CTI
Keyboard	L.Selectron	N/A	FCC DOC	CTI

Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com



Report No. : EED32H00263201 Page 6 of 23

### 5.6 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd.

Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China 518101

Telephone: +86 (0) 755 3368 3668 Fax:+86 (0) 755 3368 3385

No tests were sub-contracted.

## 5.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L1910

Centre Testing International Group Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories..

### A2LA-Lab Cert. No. 3061.01

Centre Testing International Group Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

### FCC-Registration No.: 565659

Centre Testing International Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 565659.

#### IC-Registration No.: 7408A

The 3m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408A.

#### IC-Registration No.: 7408B

The 10m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408B.

### NEMKO-Aut. No.: ELA503

Centre Testing International Group Co., Ltd. has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10.

#### VCCI

The Radiation 3 &10 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-4096.

Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com



Report No.: EED32H00263201 Page 7 of 23

Main Ports Conducted Interference Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-4563.

Telecommunication Ports Conducted Disturbance Measurement of

Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-2146.

The Radiation 3 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-758

### 5.8 Deviation from Standards

None.

## 5.9 Abnormalities from Standard Conditions

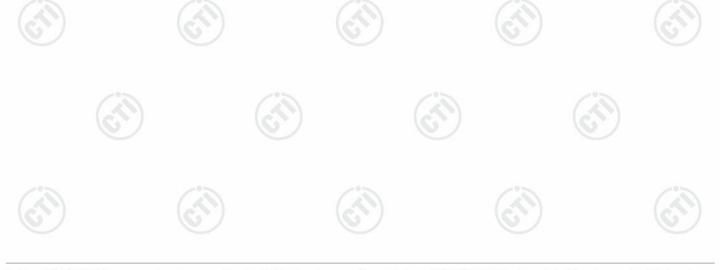
None

## 5.10 Other Information Requested by the Customer

None.

## 5.11 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
91/	Radio Frequency	7.9 x 10 <sup>-8</sup>
2	Padiated Spurious emission	4.5dB (30MHz-1GHz)
2	Radiated Spurious emission	4.8dB (1GHz-12.75GHz)
3	Conduction emission	3.6dB (9kHz to 150kHz)
3	Conduction emission	3.2dB (150kHz to 30MHz)
4	Temperature	0.64°C
5	Humidity	2.8%
6	DC power voltages	0.025%





Report No. : EED32H00263201 Page 8 of 23

# 6 Equipment List

	3	M Semi/full-anech	oic Chamber		
Equipment	Manufacturer	Mode No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
3M Chamber	TDK	SAC-3		06-02-2013	06-01-2016
3M Chamber	ETS-LINDGREN	FACT-3	3510	07-13-2013	07-12-2016
TRILOG Broadband Antenna	schwarzbeck	VULB9163	9163-617	07-31-2015	07-29-2016
Microwave Preamplifier	Agilent	8449B	3008A02425	02-05-2015	02-04-2016
Horn Antenna	ETS-LINDGREN	3117	00057410	06-30-2015	06-28-2018
Loop Antenna	ETS	6502	00071730	07-30-2015	07-28-2017
Spectrum Analyzer	R&S	FSP40	100416	06-30-2015	06-28-2016
Receiver	R&S	ESCI	100435	06-30-2015	06-28-2016
Multi device Controller	maturo	NCD/070/10711112		01-13-2015	01-12-2016
Multi device Controller	maturo	NCD/070/10711112		01-12-2016	01-10-2017
LISN	schwarzbeck	NNBM8125	81251547	06-30-2015	06-28-2016
LISN	schwarzbeck	NNBM8125	81251548	06-30-2015	06-28-2016
Signal Generator	Agilent	E4438C	MY45095744	04-19-2015	04-18-2016
Signal Generator	Keysight	E8257D	MY53401106	04-14-2015	04-13-2016
Temperature/ Humidity Indicator	TAYLOR	1451	1905	07- 08-2015	07-06-2016
Communication test set	Agilent	E5515C	GB47050533	12-31-2014	12-29-2015
Communication test set	Agilent	E5515C	GB47050533	12-31-2015	12-29-2016
Cable line	Fulai(7M)	SF106	5219/6A	01-13-2015	01-12-2016
Cable line	Fulai(7M)	SF106	5219/6A	01-12-2016	01-10-2017
Cable line	Fulai(6M)	SF106	5220/6A	01-13-2015	01-12-2016
Cable line	Fulai(6M)	SF106	5220/6A	01-12-2016	01-10-2017
Cable line	Fulai(3M)	SF106	5216/6A	01-13-2015	01-12-2016
Cable line	Fulai(3M)	SF106	5216/6A	01-12-2016	01-10-2017
Cable line	Fulai(3M)	SF106	5217/6A	01-13-2015	01-12-2016
Cable line	Fulai(3M)	SF106	5217/6A	01-12-2016	01-10-2017
Communication test set	R&S	CMW500	152394	04-19-2015	04-18-2016
High-pass filter(3- 18GHz)	Sinoscite	FL3CX03WG18NM1 2-0398-002		01-13-2015	01-12-2016
High-pass filter(3- 18GHz)	Sinoscite	FL3CX03WG18NM1 2-0398-002	(S1)	01-12-2016	01-10-2017
High-pass filter(5- 18GHz)	MICRO- TRONICS	SPA-F-63029-4		01-13-2015	01-12-2016
High-pass filter(5- 18GHz)	MICRO- TRONICS	SPA-F-63029-4		01-12-2016	01-10-2017
band rejection filter	Sinoscite	FL5CX01CA09CL12 -0395-001	(	01-13-2015	01-12-2016
band rejection filter	Sinoscite	FL5CX01CA09CL12 -0395-001		01-12-2016	01-10-2017
band rejection filter	Sinoscite	FL5CX01CA08CL12 -0393-001		01-13-2015	01-12-2016
band rejection filter	Sinoscite	FL5CX01CA08CL12 -0393-001		01-12-2016	01-10-2017
band rejection filter	Sinoscite	FL5CX02CA04CL12 -0396-002		01-13-2015	01-12-2016
band rejection filter	Sinoscite	FL5CX02CA04CL12 -0396-002		01-12-2016	01-10-2017
band rejection filter	Sinoscite	FL5CX02CA03CL12 -0394-001		01-13-2015	01-12-2016
band rejection filter	Sinoscite	FL5CX02CA03CL12 -0394-001	(	01-12-2016	01-10-2017

Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com









Page	9	of	23
	_	•	

Conducted disturbance Test						
Equipment	Manufacturer	Mode No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
Receiver	R&S	ESCI	100435	06-30-2015	06-28-2016	
Receiver	R&S	ESCI	100009	06-30-2015	06-28-2016	
Temperature/ Humidity Indicator	Belida	TT-512	101	01-13-2015	01-12-2016	
Temperature/ Humidity Indicator	Belida	TT-512	101	01-13-2016	01-11-2017	
Communication test set	Agilent	E5515C	GB47050533	12-31-2014	12-29-2015	
Communication test set	Agilent	E5515C	GB47050533	12-31-2015	12-29-2016	
Communication test set	R&S	CMW500	152394	04-19-2015	04-18-2016	
LISN	R&S	ENV216	100098	06-30-2015	06-28-2016	
LISN	schwarzbeck	NNLK8121	8121-529	06-30-2015	06-28-2016	
LISN	ETS-LINDGREN	3850/2	00051952	11-13-2015	11-10-2016	
Voltage Probe	R&S	ESH2-Z3	100042	07-09-2014	07-08-2017	
Current Probe	R&S	EZ17	100106	07-09-2014	07-08-2017	
ISN	TESEQ GmbH	ISN T800	30297	01-29-2015	01-28-2016	









## 7 Test results and Measurement Data

## 7.1 Conducted Emissions

Test Requirement: 47 CFR Part 15B

Test Method: ANSI C63.4

Test frequency range: 150kHz to 30MHz

Limit:

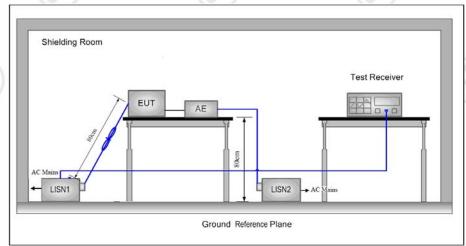
Fraguenov rango (MUZ)	Limit (dBμV)						
Frequency range (MHz)	Quasi-peak	Average					
0.15-0.5	66 to 56*	56 to 46*					
0.5-5	56	46					
5-30	60	50					

<sup>\*</sup> Decreases with the logarithm of the frequency.

**Test Procedure:** 

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a  $50\Omega/50\mu H + 5\Omega$  linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4 on conducted measurement.

Test Setup:



Instruments Used:

Refer to section 6 for details

Test Results:

Pass

Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com







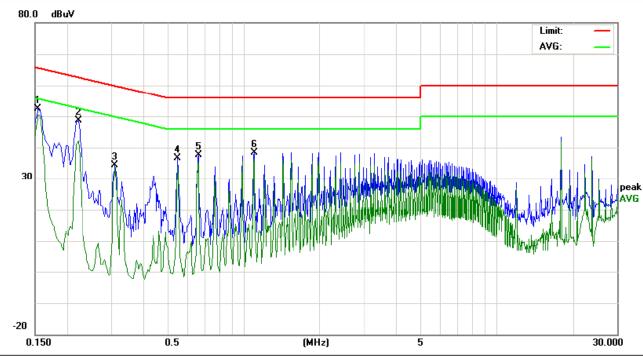


### **Measurement Data**

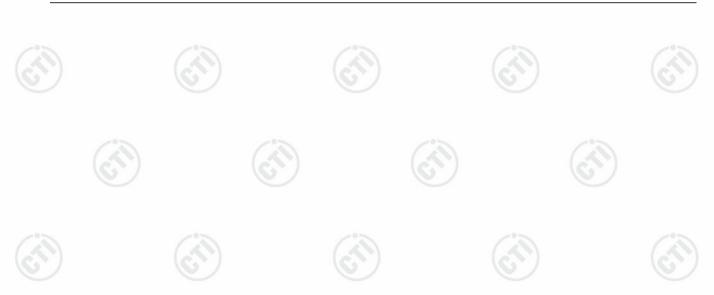
An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

### Live Line:



	_		ding_Le	vel	Correct	N	Measurement			Limit Margin				
No	. Freq.	(	dBuV)		Factor		(dBuV)			(dBuV) (dB)				
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1539	42.48	42.14	41.32	9.80	52.28	51.94	51.12	65.78	55.78	-13.84	-4.66	Р	
2	0.2220	38.81	35.97	31.75	9.80	48.61	45.77	41.55	62.74	52.74	-16.97	-11.19	Р	
3	0.3100	24.67	23.65	23.67	9.81	34.48	33.46	33.48	59.97	49.97	-26.51	-16.49	Р	
4	0.5500	26.67	25.56	23.74	9.90	36.57	35.46	33.64	56.00	46.00	-20.54	-12.36	Р	
5	0.6620	27.83	27.15	25.48	9.90	37.73	37.05	35.38	56.00	46.00	-18.95	-10.62	Р	
6	1.1019	28.43	27.95	26.44	10.00	38.43	37.95	36.44	56.00	46.00	-18.05	-9.56	Р	







#### Neutral Line: 80.0 dBuV Limit: AVG: 30 -20 0.5 (MHz) 30.000 0.150 Reading\_Level Measurement Limit Margin Correct No. Freq. (dBuV) (dB) (dBuV) Factor (dBuV) MHz Peak AVG dΒ QΡ AVG QΡ AVG QΡ AVG peak P/F Comment Р 0.1539 42.88 41.43 40.38 52.68 51.23 50.18 65.78 55.78 -14.55 -5.60 9.80 49.39 -15.86 2 0.2220 39.59 37.08 32.16 9.80 46.88 41.96 62.74 52.74 -10.78 Ρ

### Notes:

5

6

0.6620

1.4299

2.4219

29.47

27.55

18.0020 32.55 31.07

28.33 27.16

28.64

26.28

27.21

25.54

24.37

31.26

1. The following Quasi-Peak and Average measurements were performed on the EUT:

39.37

38.33

37.55

42.89

38.54

37.16

36.28

41.41

37.11

35.54

34.37

41.60

56.00

56.00

56.00

60.00

46.00

46.00

46.00

50.00

-17.46

-18.84

-19.72

-18.59

-8.89

-10.46

-11.63

-8.40

Ρ

Ρ

Ρ

Ρ

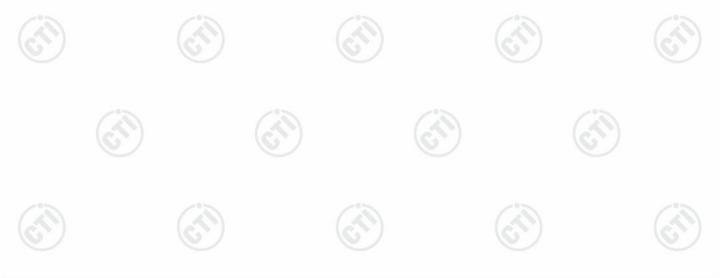
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

9.90

10.00

10.00

10.34





Report No.: EED32H00263201 Page 13 of 23

## 7.2 Radiated Emission

**Test Requirement:** 47 CFR Part 15B

Test Method: ANSI C63.4

Test site: Measurement Distance: 3m (Semi-Anechoic Chamber)

Receiver setup:

Limit:

	Frequency	Detector		RBW	VBW	Remark		
	30MHz-1GHz	Quasi-pea	k	120kHz	300kHz	Quasi-peak Value		
	Above 1GHz	Peak		1MHz	3MHz	Peak Value		
	Freque	ency	L	_imit (dBµV/	m @3m)	Remark		
	30MHz-8	8MHz		40.0	)	Quasi-peak Value		
	88MHz-21	16MHz	6	43.5	5	Quasi-peak Value		
216MHz-960MHz				46.0	)	Quasi-peak Value		
	960MHz-	1GHz		54.0	)	Quasi-peak Value		
	88MHz-216MHz 216MHz-960MHz 960MHz-1GHz Above 1GHz			54.0	)	Average Value		
	Above i	GUZ		74.0		Peak Value		

#### Test Procedure:

### Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

### Above 1GHz test procedure as below:

- g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber ( Above 18GHz the distance is 1 meter).
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse
- i. Repeat above procedures until all frequencies measured was complete.







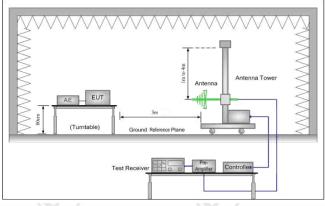


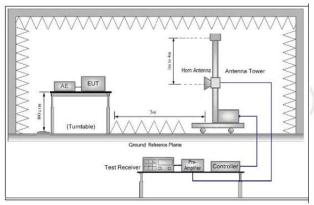


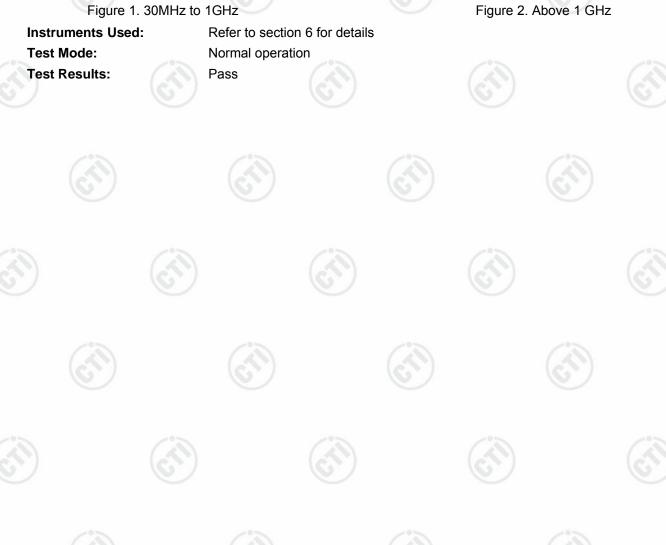




## **Test Setup:**











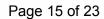






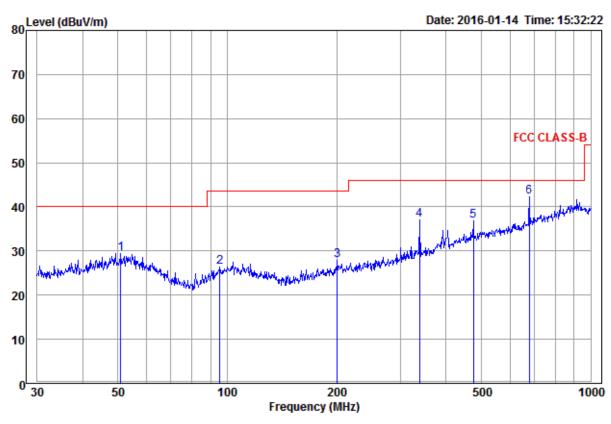


Cil



QP value: Below 1GHz Horizontal:





		Ant	Cable	Read		Limit	0ver		
	Freq	Factor	Loss	Level	Level	Line	Limit	Pol/Phase	Remark
	-								
-	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
		,				,			
1	50.94	14.97	1.40	13.15	29.52	40.00	-10.48	Horizontal	
2	95.43	12.31	1.58	12.50	26.39	43.50	-17.11	Horizontal	
3	200.69	11.61	2.21	14.11	27.93	43.50	-15.57	Horizontal	
4	338.40	14.52	2.64	19.93	37.09	46.00	-8.91	Horizontal	
5	475.50	17.78	3.06	16.09	36.93	46.00	-9.07	Horizontal	
6 pp	677.58	20.22	3.75	18.25	42.22	46.00	-3.78	Horizontal	





















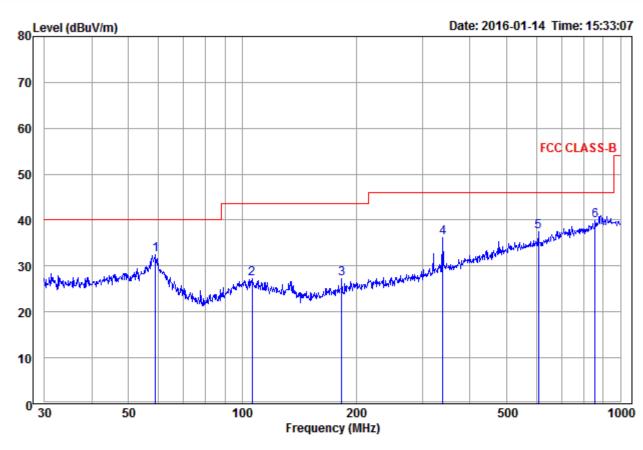






Vertical:

Page 16 of 23



		Ant	Cable	Read		Limit	0ver		
	Freq	Factor	Loss	Level	Level	Line	Limit	Pol/Phase	Remark
	-								
_	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
		,			,	,			
1	59.03	13.92	1.43	17.10	32.45	40.00	-7.55	Vertical	
2	106.01	12.70	1.57	12.99	27.26	43.50	-16.24	Vertical	
3	183.20	11.02	2.02	14.30	27.34	43.50	-16.16	Vertical	
4	339.59	14.55	2.65	19.07	36.27	46.00	-9.73	Vertical	
5	607.79	18.93	3.52	15.08	37.53	46.00	-8.47	Vertical	
6 рр	857.02	21.97	4.20	13.69	39.86	46.00	-6.14	Vertical	



































**Above 1GHz:** 

Frequency (MHz)	Antenna Factor (dB/m)	Preamp Gain (dB)	Cable Loss (dB)	Read Level (dBµV)	Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Result	Antenna Polaxis
1597.401	31.05	37.82	2.92	49.19	45.34	74	-28.66	Pass	Н
2229.645	32.21	37.25	3.87	45.18	44.01	74	-29.99	Pass	Н
2995.538	33.59	37.10	5.61	47.70	49.80	74	-24.20	Pass	Н
4107.316	33.07	36.89	5.39	44.28	45.85	74	-28.15	Pass	ЭН
7227.389	36.42	37.45	6.68	43.15	48.80	74	-25.20	Pass	Н
10669.020	38.98	37.70	7.48	42.14	50.90	74	-23.10	Pass	Н
1326.513	30.52	38.25	2.66	47.84	42.77	74	-31.23	Pass	V
1659.574	31.16	37.73	2.97	49.18	45.58	74	-28.42	Pass	V
2487.555	32.72	37.19	4.52	44.99	45.04	74	-28.96	Pass	V
3766.785	32.97	36.94	5.48	45.80	47.31	74	-26.69	Pass	V
5125.515	35.21	36.79	5.37	41.86	45.65	74	-28.35	Pass	V
7920.996	36.49	37.31	7.29	44.07	50.54	74	-23.46	Pass	V

### Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
  - Final Test Level =Receiver Reading Correct Factor
  - Correct Factor = Preamplifier Factor—Antenna Factor—Cable Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 1GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.





































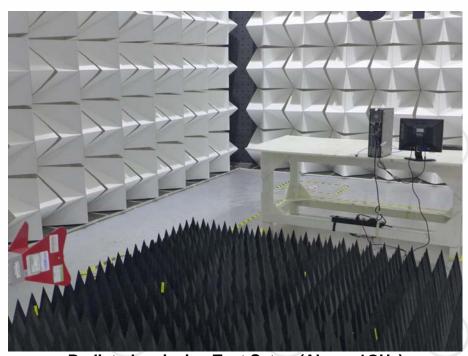
Report No. : EED32H00263201 Page 18 of 23

# **APPENDIX 1 PHOTOGRAPHS OF TEST SETUP**

Test Model No.: 1TIPS-1000



Radiated emission Test Setup (30MHz~1GHz)



Radiated emission Test Setup (Above 1GHz)









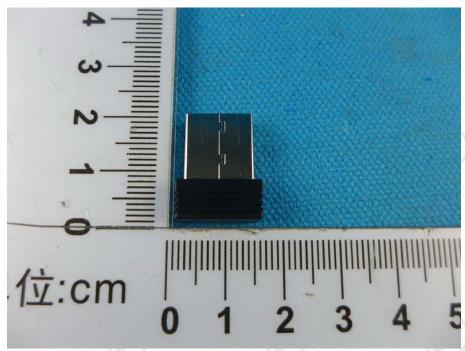




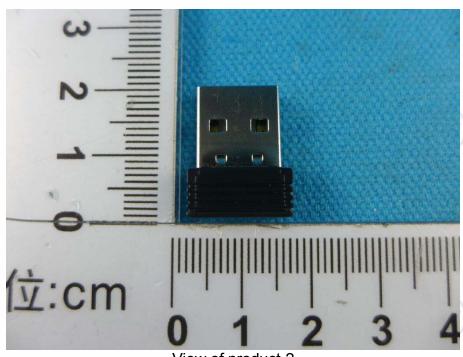


# **APPENDIX 2 PHOTOGRAPHS OF EUT**

Test Model No.: 1TIPS-1000



View of product-1



View of product-2



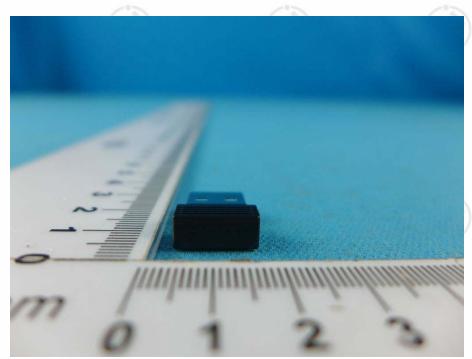




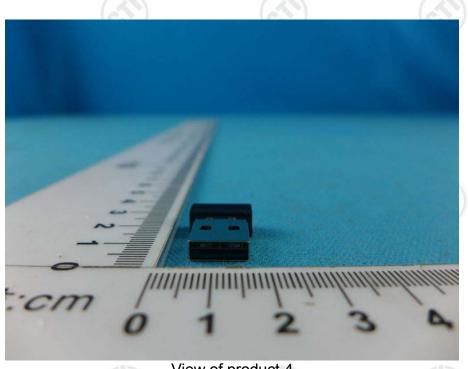








View of product-3



View of product-4











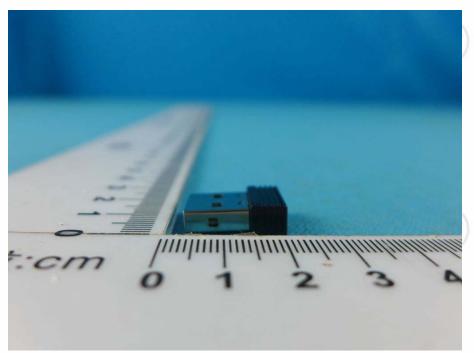






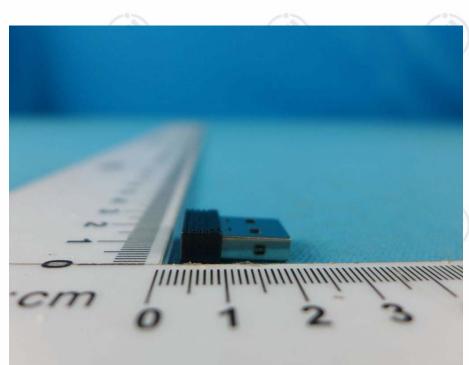






View of product-5





View of product-6













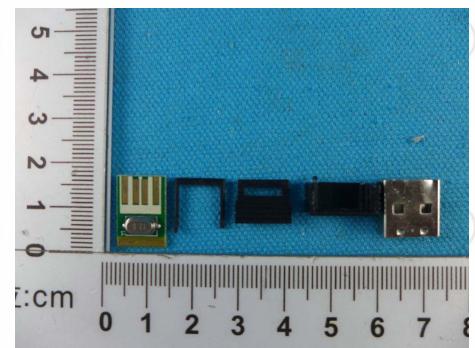




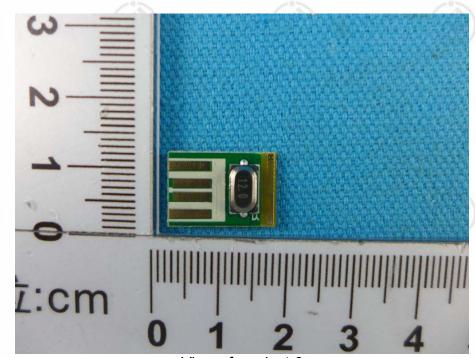




Report No. : EED32H00263201 Page 22 of 23



View of product-7



View of product-8











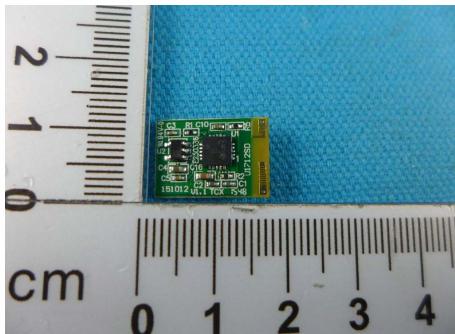


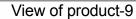


Page 23 of 23



Report No.: EED32H00263201













\*\*\* End of Report \*\*\*

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.



































