
FCC Test Report

Report No.: AGC06504160301FE01

FCC ID : 2AHXQ30402209

PRODUCT DESIGNATION : SILICONE DOG USB

BRAND NAME : PINK

MODEL NAME : 30402209, 30402210

CLIENT : IXIN GLOBAL TRADE

DATE OF ISSUE : Apr.08, 2016

STANDARD(S) : FCC Part 15 Rules

REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Apr.08, 2016	Valid	Original Report

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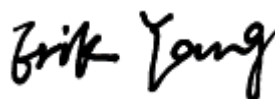
1. VERIFICATION OF CONFORMITY

Applicant	IXIN GLOBAL TRADE
Address	ROOM 603, DONGTIAN TOWER, NO.19 HAIAN ROAD, TIANHE DISTRICT, GUANGZHOU, CHINA 510627
Manufacturer	DONGGUAN KEXIN RUBBER & METAL PRODUCT CO LTD
Address	JINXIULU, TUANJIE ROAD, CUNTOU INDUSTRIAL ZONE, HUMEN TOWN, DONGGUAN, CHINA
Product Designation	SILICONE DOG USB
Brand Name	PINK
Test Model	30402209
Series Model	30402210
Model Difference	All the same except for the model name and color.
Measurement Procedure	ANSI C63.4: 2009
Date of test	Mar.29, 2016 to Mar.30, 2016
Deviation	None
Condition of Test Sample	Normal
Test Result	Pass
Report Template	AGCRT-US-IT/AC(2013-03-01)

The above equipment was tested by Dongguan Precise Testing Service Co., Ltd. and complied with the requirements set forth in the FCC Rules and Regulations Part 15, the measurement procedure according to ANSI C63.4:2009. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements.

The test results of this report relate only to the tested sample identified in this report.

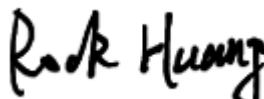
Tested By



Erik Yang(Yang Jianmin)

Apr.08, 2016

Reviewed By



Rock Huang(Huang Dinglue)

Apr.08, 2016

Approved By



Solger Zhang(Zhang Hongyi)
Authorized Officer

Apr.08, 2016

2. SYSTEM DESCRIPTION

TEST MODE DESCRIPTION		
NO.	TEST MODE DESCRIPTION	WORST
1	Data Exchange	V
Note: 1. V means EMI worst mode		

3. MEASUREMENT UNCERTAINTY

Conducted measurement: ±3.18dB
Radiated measurement: ±3.91dB

4. PRODUCT INFORMATION

Housing Type	Plastic and metal
Frequency	Highest frequency generated or used in the device or on which the device operates or tunes is Between 1.705MHz and 108MHz, Upper frequency of measurement range shall be made up to 1GHz
EUT Input Rating	DC 5V

I/O Port Information (☒Applicable ☐Not Applicable)

I/O Port of EUT			
I/O Port Type	Number	Cable Description	Tested With
USB	1	--	1

5. SUPPORT EQUIPMENT

Device Type	Manufacturer	Model Name	Serial No.	Data Cable	Power Cable
PC	TOSHIBA	PSKTBA-001001	9E208859C	--	0.8m Unshielded
TP-LINK	PU LIAN	TL-WR845N	--	--	0.8m Unshielded
Mouse	TOSHIBA	--	--	--	--

6. TEST FACILITY

Site	Dongguan Precise Testing Service Co., Ltd.
Location	Building D, Baoding Technology Park, Guangming Road2, Dongcheng District, Dongguan, Guangdong, China.
FCC Registration No.	371540
Description	The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2009.

Radiated Emission Test Site					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI Test Receiver	Rohde & Schwarz	ESCI	101417	2015.07.04	2016.07.03
Trilog Broadband Antenna (25M-1GHz)	SCHWARZBECK	VULB9160	9160-3355	2015.07.04	2016.07.03
Signal Amplifier	SCHWARZBECK	BBV 9475	9745-0013	2015.07.04	2016.07.03
RF Cable	SCHWARZBECK	AK9515E	96221	2015.07.04	2016.07.03
3m Anechoic Chamber	CHENGYU	966	PTS-001	2015.06.06	2016.06.05
MULTI-DEVICE Positioning Controller	Max-Full	MF-7802	MF780208339	N/A	N/A
Active loop antenna (9K-30MHz)	Schwarzbeck	FMZB1519	1519-038	2015.06.06	2016.06.05
Spectrum analyzer	Agilent	E4407B	MY46185649	2015.06.06	2016.06.05

Conducted Emission Test Site					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI Test Receiver	Rohde & Schwarz	ESCI	101417	2015.07.04	2016.07.03
Artificial Mains Network	Narda	L2-16B	000WX31025	2015.07.08	2016.07.07
Artificial Mains Network (AUX)	Narda	L2-16B	000WX31026	2015.07.08	2016.07.07
RF Cable	SCHWARZBECK	AK9515E	96222	2015.07.04	2016.07.03
Shielded Room	CHENGYU	843	PTS-002	2015.06.06	2016.06.05

7. TEST ITEMS AND THE RESULTS

Test item	Test Requirement	Test Method	Class/Severity	Result
CONDUCTED EMISSION	FCC Part 15 Rules	ANSI C63.4	Class B	Pass
RADIATED EMISSION	FCC Part 15 Rules	ANSI C63.4	Class B	Pass

8. FCC LINE CONDUCTED EMISSION TEST

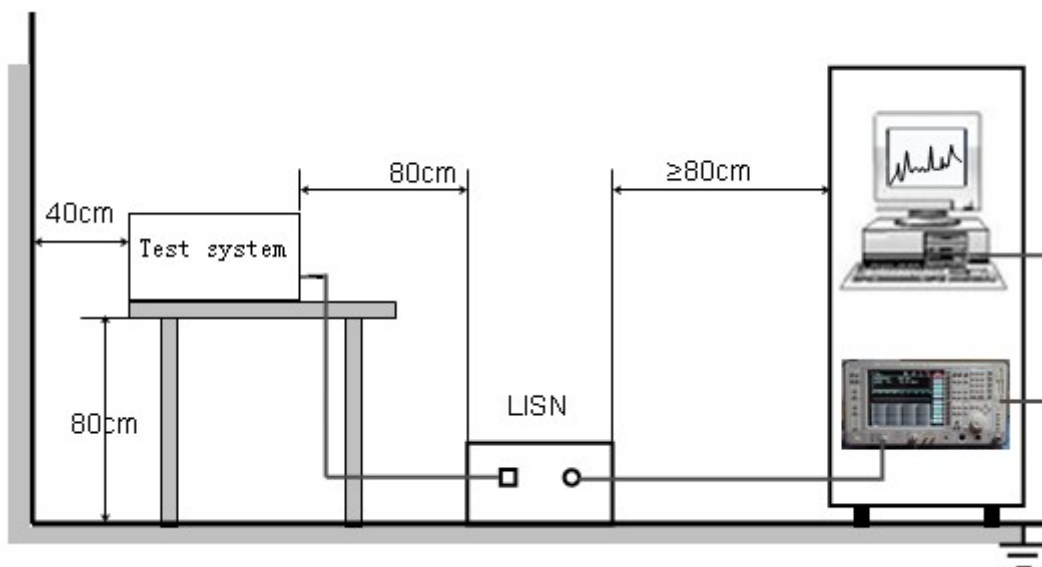
8.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	Q.P.(dBuV)	Average(dBuV)
150kHz-500kHz	66-56	56-46
500kHz-5MHz	56	46
5MHz-30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50MHz.

8.2. BLOCK DIAGRAM OF TEST SETUP



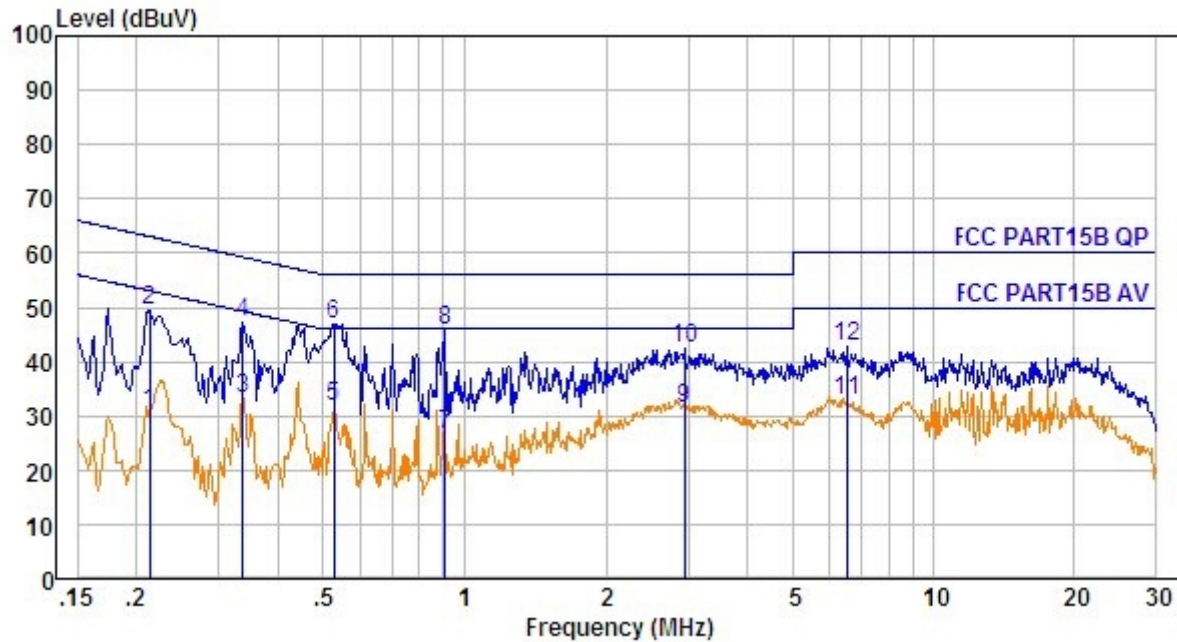
8.3. PROCEDURE OF LINE CONDUCTED EMISSION TEST

- (1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- (2) Support equipment, if needed, was placed as per ANSI C63.4.
- (3) All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- (4) The EUT received DC 5V power from pc which received 120V/60Hz power from a LISN.
- (5) The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- (6) Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- (7) During the above scans, the emissions were maximized by cable manipulation.
- (8) A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions.
- (9) Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less -2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.

The test data of the worst case condition was reported.

8.4. TEST RESULT OF LINE CONDUCTED EMISSION TEST

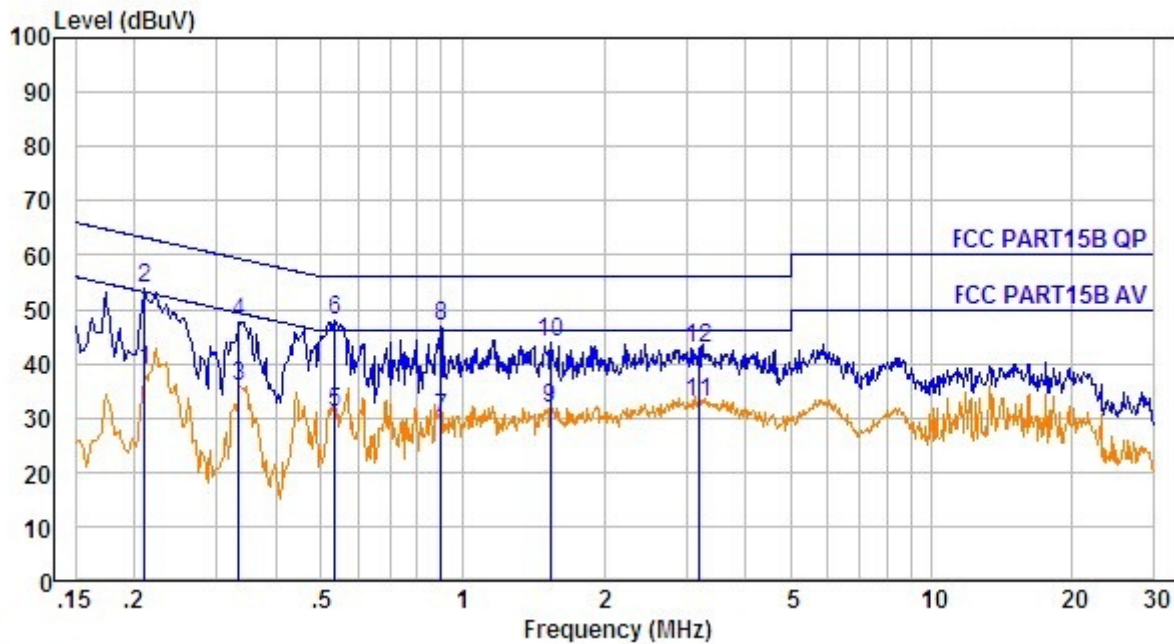
LINE CONDUCTED EMISSION TEST-L



No.	Freq MHz	Cable Loss dB	AMN Factor dB	Receiver Reading dBuV	Emission Level dBuV	Limit dBuV	Over Limit dB	Remark
1.	0.214	10.61	0.60	19.24	30.45	53.05	-22.60	Average
2.	0.214	10.61	0.60	38.24	49.45	63.05	-13.60	QP
3.	0.337	10.63	0.60	21.87	33.10	49.27	-16.17	Average
4.	0.337	10.63	0.60	35.87	47.10	59.27	-12.17	QP
5.	0.527	10.65	0.60	20.66	31.91	46.00	-14.09	Average
6.	0.527	10.65	0.60	35.66	46.91	56.00	-9.09	QP
7.	0.909	10.67	0.60	15.41	26.68	46.00	-19.32	Average
8.	0.909	10.67	0.60	34.41	45.68	56.00	-10.32	QP
9.	2.946	10.71	0.60	20.16	31.47	46.00	-14.53	Average
10.	2.946	10.71	0.60	31.16	42.47	56.00	-13.53	QP
11.	6.523	10.74	0.60	21.33	32.67	50.00	-17.33	Average
12.	6.523	10.74	0.60	31.33	42.67	60.00	-17.33	QP

RESULT: PASS

LINE CONDUCTED EMISSION TEST-N



No.	Freq MHz	Cable Loss dB	AMN Factor dB	Receiver Reading dBuV	Emission Level dBuV	Limit dBuV	Over Limit dB	Remark
1.	0.211	10.61	0.60	27.57	38.78	53.18	-14.40	Average
2.	0.211	10.61	0.60	42.57	53.78	63.18	-9.40	QP
3.	0.334	10.63	0.60	24.50	35.73	49.35	-13.62	Average
4.	0.334	10.63	0.60	36.50	47.73	59.35	-11.62	QP
5.	0.535	10.65	0.60	19.83	31.08	46.00	-14.92	Average
6.	0.535	10.65	0.60	36.83	48.08	56.00	-7.92	QP
7.	0.899	10.67	0.60	18.50	29.77	46.00	-16.23	Average
8.	0.899	10.67	0.60	35.50	46.77	56.00	-9.23	QP
9.	1.535	10.69	0.60	20.52	31.81	46.00	-14.19	Average
10.	1.535	10.69	0.60	32.52	43.81	56.00	-12.19	QP
11.	3.190	10.72	0.60	21.40	32.72	46.00	-13.28	Average
12.	3.190	10.72	0.60	31.40	42.72	56.00	-13.28	QP

RESULT: PASS

9. FCC RADIATED EMISSION TEST

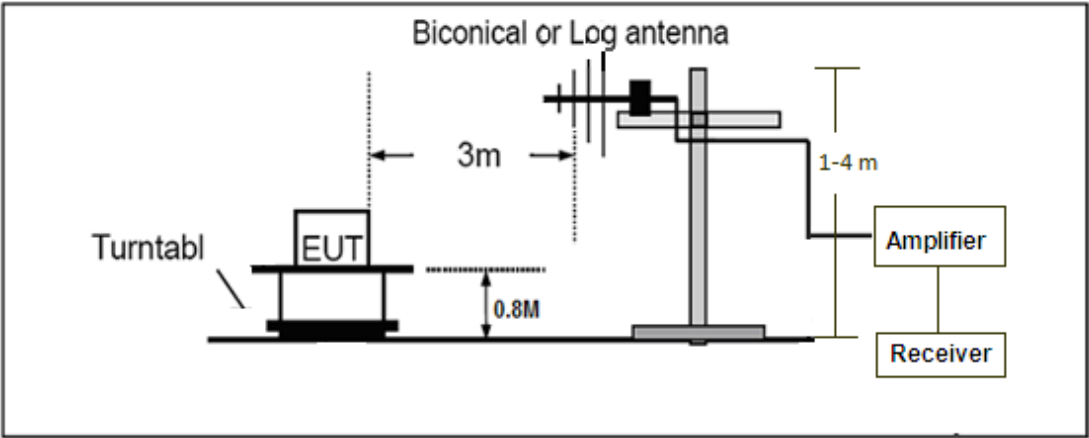
9.1. LIMITS OF RADIATED EMISSION TEST

Frequency (MHz)	Distance (m)	Maximum Field Strength Limit (dBuV/m/ Q.P.)
30~88	3	40.0
88~216	3	43.5
216~960	3	46.0
Above 960	3	54.0

Note: The lower limit shall apply at the transition frequency.

9.2. BLOCK DIAGRAM OF TEST SETUP

System Diagram of Connections between EUT and Simulators



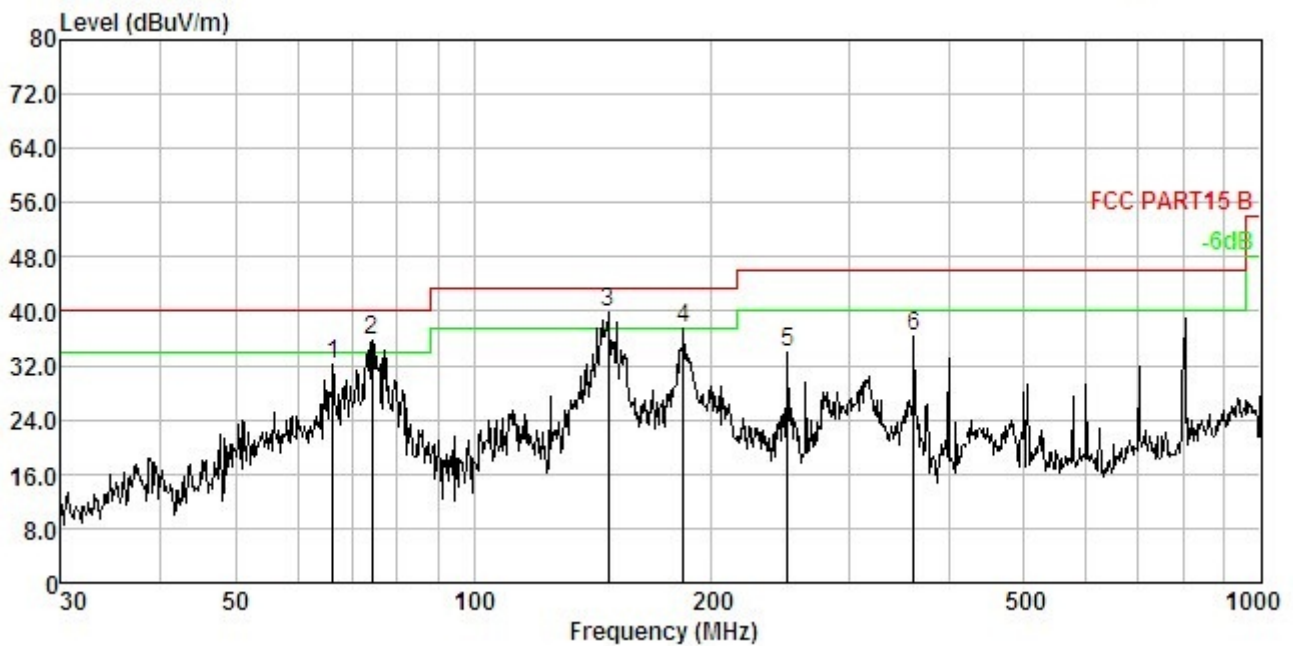
9.3. PROCEDURE OF RADIATED EMISSION TEST

- (1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- (2) Support equipment, if needed, was placed as per ANSI C63.4.
- (3) All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- (4) The EUT was connected to pc for data exchange. All support equipments received AC120V/60Hz power from socket under the turntable, if any.
- (5) The antenna was placed at 3 meter away from the EUT as stated in FCC Part 15. The antenna connected to the Analyzer via a cable and at times a pre-amplifier would be used.
- (6) The Analyzer / Receiver quickly scanned from 30MHz to 1000MHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- (7) The test mode(s) were scanned during the test:
- (8) Recorded at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and Q.P./Peak reading is presented.

The test data of the worst case condition (mode 1) was reported on the Summary Data page.

9.4. TEST RESULT OF RADIATED EMISSION TEST

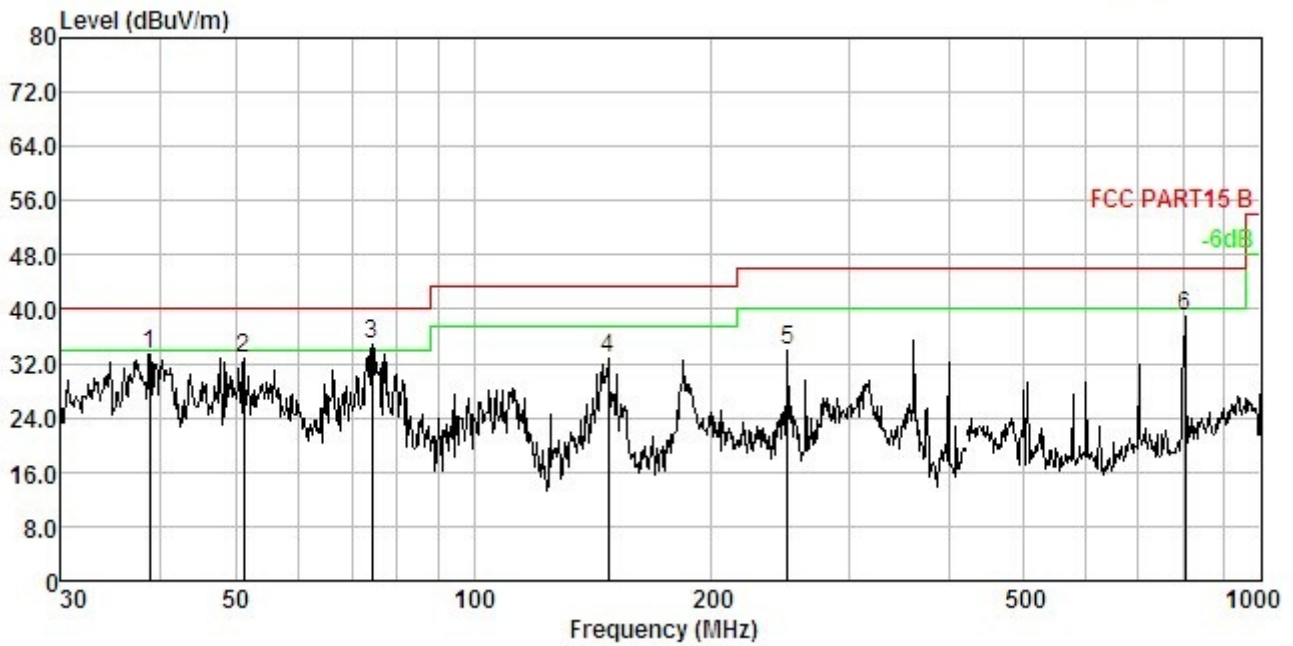
Radiated Emission Test at 3m Distance-Horizontal



No.	Freq MHz	Cable Loss dB	ANT Factor dB/m	Receiver Reading dBuV	Preamp Factor dB	Emission Level dBuV/m	Limit dBuV/m	Over Limit dB	Remark
1.	66.266	1.77	11.36	49.21	30.25	32.09	40.00	-7.91	Peak
2.	74.396	1.88	9.88	54.34	30.29	35.81	40.00	-4.19	Peak
3.	147.921	2.50	13.79	54.01	30.53	39.77	43.50	-3.73	Peak
4.	184.490	2.70	11.83	53.67	30.60	37.60	43.50	-5.90	Peak
5.	250.301	2.98	11.93	49.60	30.71	33.80	46.00	-12.20	Peak
6.	361.714	3.31	14.43	49.40	30.84	36.30	46.00	-9.70	Peak

RESULT: PASS

Radiated Emission Test at 3m Distance-Vertical



No.	Freq MHz	Cable Loss dB	ANT Factor dB/m	Receiver Reading dBuV	Preamp Factor dB	Emission Level dBuV/m	Limit dBuV/m	Over Limit dB	Remark
1.	38.888	1.29	13.62	48.43	30.06	33.28	40.00	-6.72	Peak
2.	51.121	1.54	12.18	49.16	30.16	32.72	40.00	-7.28	Peak
3.	74.396	1.88	9.88	53.34	30.29	34.81	40.00	-5.19	Peak
4.	147.921	2.50	13.79	47.01	30.53	32.77	43.50	-10.73	Peak
5.	250.301	2.98	11.93	49.60	30.71	33.80	46.00	-12.20	Peak
6.	801.786	4.03	21.77	44.27	31.11	38.96	46.00	-7.04	Peak

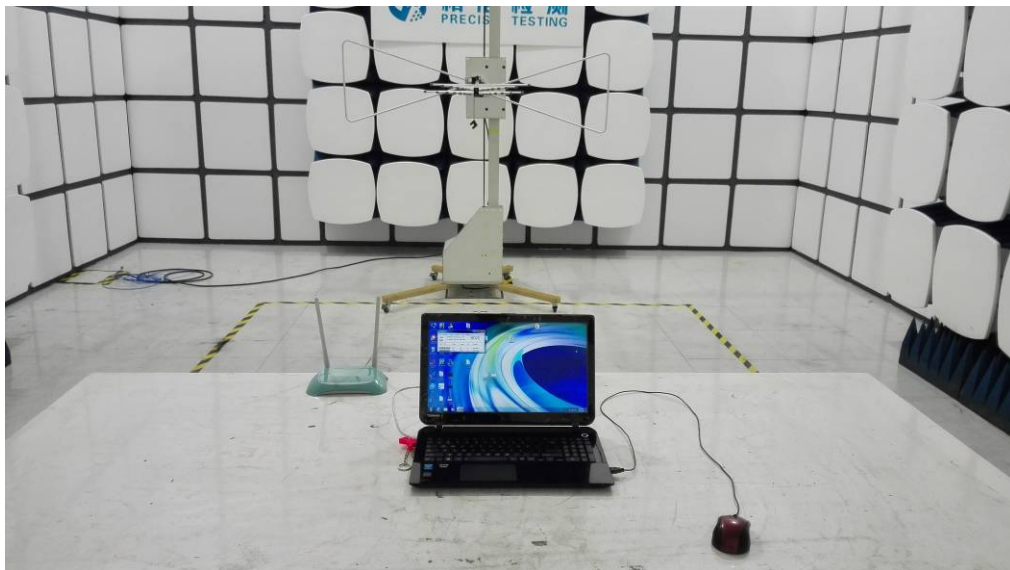
RESULT: PASS

APPENDIX A: PHOTOGRAPHS OF TEST SETUP

FCC LINE CONDUCTED EMISSION TEST SETUP



FCC RADIATED EMISSION TEST SETUP



APPENDIX B: PHOTOGRAPHS OF EUT

ALL VIEW OF EUT-1



ALL VIEW OF EUT-2



TOP VIEW OF EUT



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



LEFT VIEW OF EUT



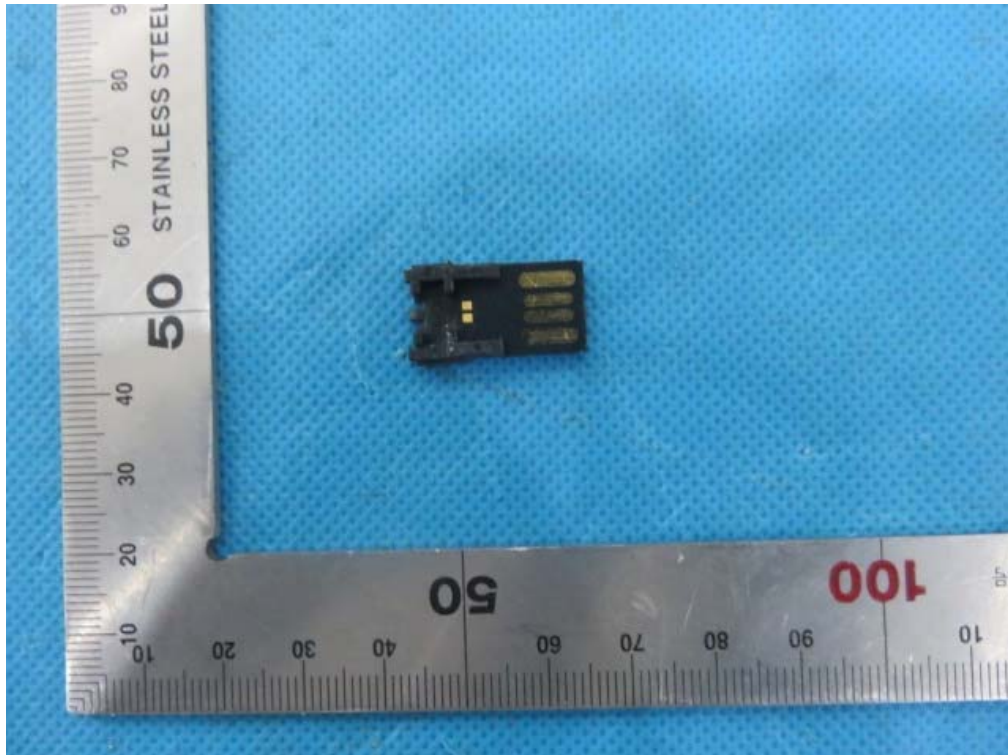
RIGHT VIEW OF EUT



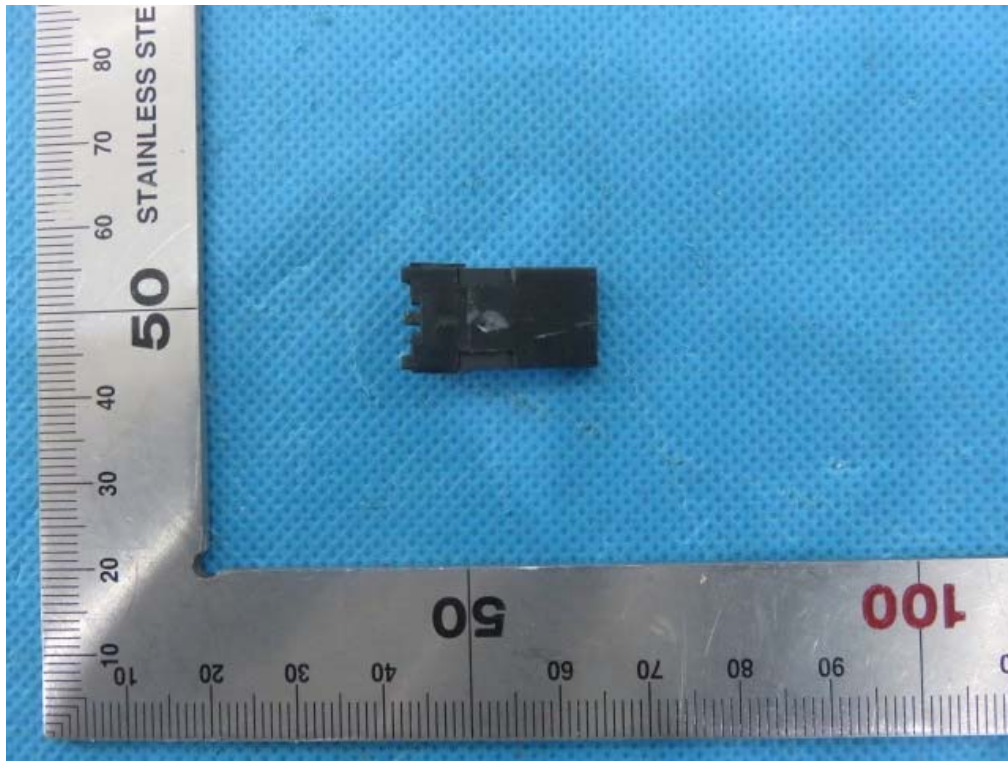
OPEN VIEW OF EUT



INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2



----END OF REPORT----