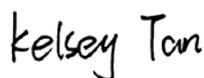


TEST REPORT

Product Name: UVC sterilization bag
Trademark: N/A
JUVC-HC-01
XXXX-XX-XX
Model Number: The 1st to 6th "X" can be replaced by "A" to "Z", or by blank, to represent the product feature description.
The 7th to 8th "X" can be replaced by "0" to "9", or by blank, to represent the product feature.
Prepared For: JAVA Innovation Co., Limited
Address: A515 Founder Technology Industrial park,
North of Songbai Road, Shiyan Town, Bao'an District,
Shenzhen.
Manufacturer: JAVA Innovation Co., Limited
Address: A515 Founder Technology Industrial park,
North of Songbai Road, Shiyan Town, Bao'an District,
Shenzhen.
Prepared By: Shenzhen BCTC Testing Co., Ltd.
Address: BCTC Building & 1-2F, East of B Building, Pengzhou
Industrial, Fuyuan 1st Road, Qiaotou Community, Fuyong
Street, Bao'an District, Shenzhen, China
Sample Received Date: Apr. 20, 2020
Sample tested Date: Apr. 20, 2020 to Apr. 28, 2020
Issue Date: Apr. 28, 2020
Report No.: BCTC2004001363E
Test Standards 47 CFR FCC Part 15 Subpart B
Test Results PASS

Compiled by:



Kelsey Tan

Reviewed by:



Eric Yang

Approved by:



Zero Zhou/Manager

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

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(Note: N/A means not applicable)

1. VERSION

Report No.	Issue Date	Description	Approved
BCTC2004001363E	Apr. 28, 2020	Original	Valid

2. TEST SUMMARY

The Product has been tested according to the following specifications:

Standard	Test Item	Test result
FCC 15.107	Conducted Emission	Pass
FCC 15.109	Radiated Emission	Pass

3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Test item	Value (dB)
Conducted Emission (150kHz-30MHz)	3.20
Radiated Emission(30MHz~1GHz)	4.80
Radiated Emission(1GHz~6GHz)	4.90

4. PRODUCT INFORMATION AND TEST SETUP

4.1 Product Information

Ratings: DC 5V from adapter

4.2 Test Setup Configuration

See test photographs attached in EUT TEST SETUP PHOTOGRAPHS for the actual connections between Product and support equipment.

4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Data Cable	Power Cord
1.	ADAPTER	UGREEN	CD122	---	---	---

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.4 Test Mode

Test item	Test Mode	Test Voltage
Conducted Emission (150KHz-30MHz) Class B	Working	AC 120V/60Hz
Radiated mission(30MHz-1GHz) Class B	Working	AC 120V/60Hz

All test mode were tested and passed, only Conducted Emissions, Radiated Emissions shows (*) is the worst case mode which were recorded in this report.

5. TEST FACILITY AND TEST INSTRUMENT USED

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at BCTC Building & 1-2F, East of B Building, Pengzhou Industrial, Fuyuan 1st Road, Qiaotou Community, Fuyong Street, Bao'an District, Shenzhen, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

5.2 Test Instrument Used

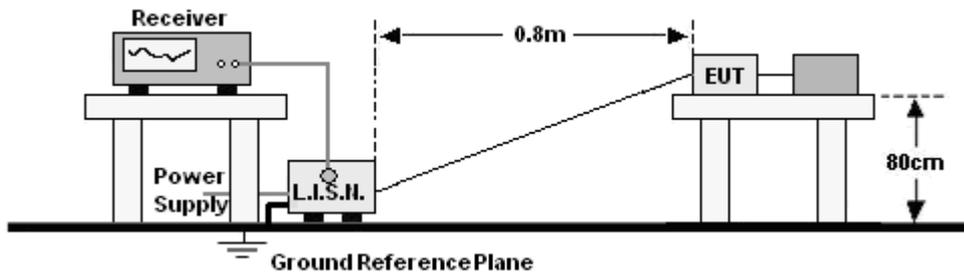
Conducted emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	Jun. 13, 2019	Jun.12, 2020
LISN	R&S	ENV216	101375	Jun. 13, 2019	Jun.12, 2020
ISN	HPX	ISN T800	S1509001	Jun. 13, 2019	Jun.12, 2020
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\

Radiated emissions Test (966 chamber)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	Jun. 19, 2018	Jun. 18, 2021
Receiver	R&S	ESR3	102075	Jun. 13, 2019	Jun. 12, 2020
Receiver	R&S	ESRP	101154	Jun. 13, 2019	Jun. 12, 2020
Amplifier	Schwarzbeck	BBV9718	9718-309	Jun. 25, 2019	Jun. 24, 2020
Amplifier	Schwarzbeck	BBV9744	9744-0037	Jun. 25, 2019	Jun. 24, 2020
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	VULB9163-9 42	Jun. 22, 2019	Jun. 21, 2020
Horn Antenna	SCHWARZBEC K	BBHA9120D	1541	Jun. 22, 2019	Jun. 21, 2020
Software	Frad	EZ-EMC	FA-03A2 RE	\	\

6. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST

6.1 Block Diagram Of Test Setup

For mains ports:



6.2 Limit

Limits for Class B devices

(MHz)	Limits dB(μ V)	
	Quasi-peak	Average
0,15 to 0,50	66 to 56*	56 to 46*
0,50 to 5	56	46
5 to 30	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.
 2. The lower limit shall apply at the transition frequencies.

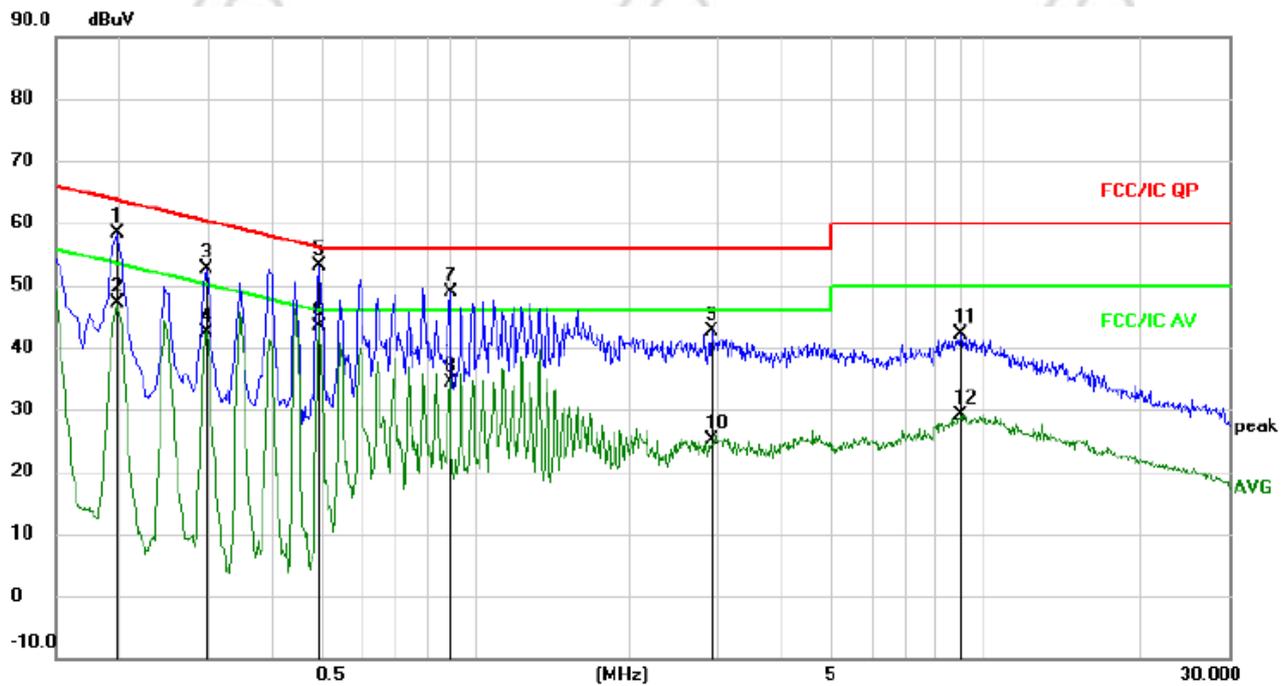
6.3 Test procedure

For mains ports:

- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
- For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

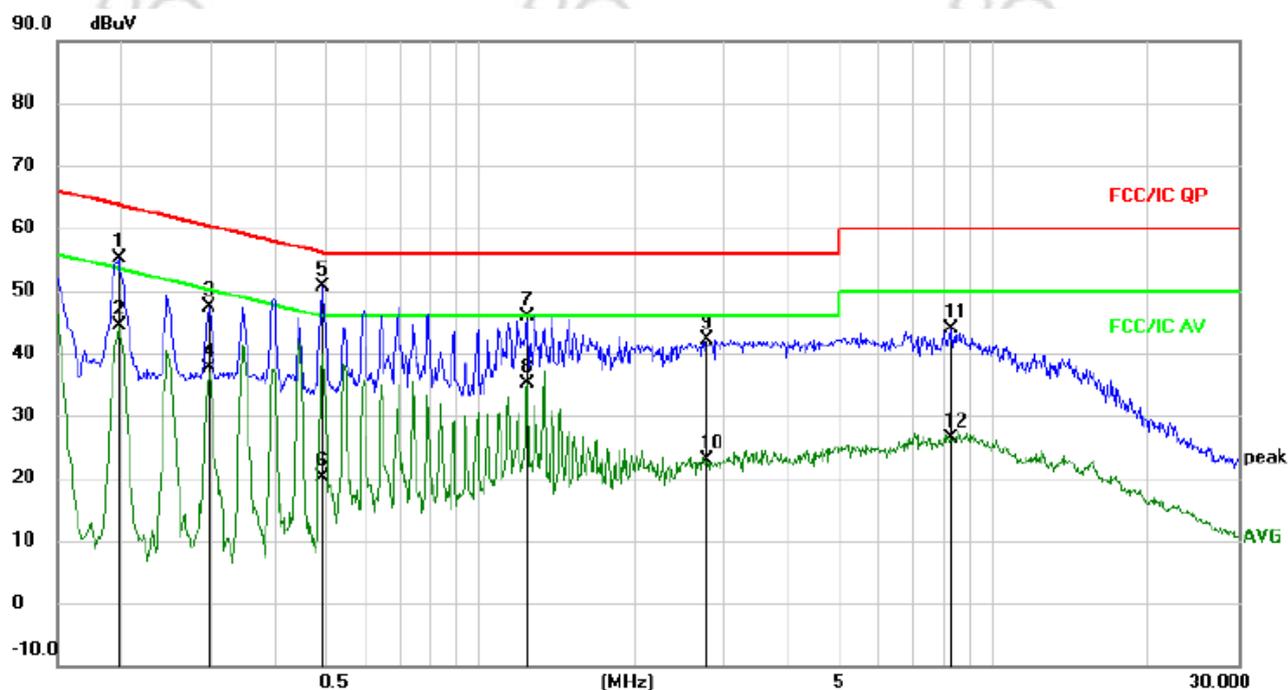
6.4 Test Result

Temperature:	26 °C	Relative Humidity:	54 %
Pressure:	101kPa	Phase :	Line
Test Voltage :	DC 5V from adapter input AC 120V/60Hz	Test Mode:	Working



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1980	49.01	9.46	58.47	63.69	-5.22	QP	
2		0.1980	37.55	9.46	47.01	53.69	-6.68	AVG	
3		0.2939	43.15	9.57	52.72	60.41	-7.69	QP	
4		0.2939	32.87	9.57	42.44	50.41	-7.97	AVG	
5		0.4939	43.44	9.58	53.02	56.10	-3.08	QP	
6	*	0.4939	33.87	9.58	43.45	46.10	-2.65	AVG	
7		0.8900	39.16	9.60	48.76	56.00	-7.24	QP	
8		0.8900	24.74	9.60	34.34	46.00	-11.66	AVG	
9		2.9060	32.93	9.65	42.58	56.00	-13.42	QP	
10		2.9060	15.44	9.65	25.09	46.00	-20.91	AVG	
11		8.9300	32.50	9.70	42.20	60.00	-17.80	QP	
12		8.9300	19.52	9.70	29.22	50.00	-20.78	AVG	

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101kPa	Phase :	Neutral
Test Voltage :	DC 5V from adapter input AC 120V/60Hz	Test Mode:	Working



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1980	45.63	9.46	55.09	63.69	-8.60	QP	
2		0.1980	34.93	9.46	44.39	53.69	-9.30	AVG	
3		0.2980	37.85	9.58	47.43	60.30	-12.87	QP	
4		0.2980	28.13	9.58	37.71	50.30	-12.59	AVG	
5	*	0.4940	40.93	9.58	50.51	56.10	-5.59	QP	
6		0.4940	10.44	9.58	20.02	46.10	-26.08	AVG	
7		1.2380	36.31	9.57	45.88	56.00	-10.12	QP	
8		1.2380	25.62	9.57	35.19	46.00	-10.81	AVG	
9		2.7780	32.59	9.64	42.23	56.00	-13.77	QP	
10		2.7780	13.35	9.64	22.99	46.00	-23.01	AVG	
11		8.2900	34.06	9.71	43.77	60.00	-16.23	QP	
12		8.2900	16.56	9.71	26.27	50.00	-23.73	AVG	

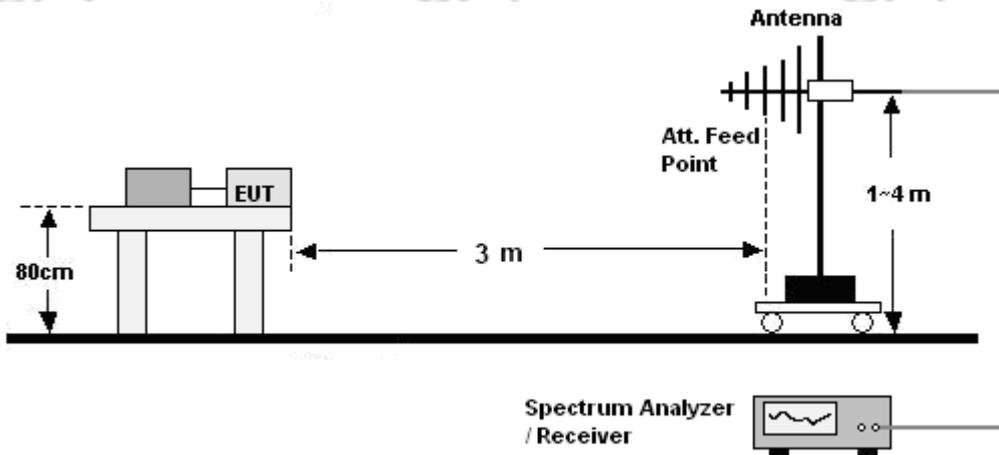
Remark:

- All readings are Quasi-Peak and Average values.
- Factor = Insertion Loss + Cable Loss.

7. RADIATION EMISSION TEST

7.1 Block Diagram Of Test Setup

30MHz ~ 1GHz:



7.2 Limit

Limits for Class B devices

Frequency (MHz)	limits at 3m dB(μ V/m)		
	QP Detector	PK Detector	AV Detector
30-88	40.0	--	--
88-216	43.5	--	--
216-960	46.0	--	--
960 to 1000	54.0	--	--
Above 1000	--	74.0	54.0

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

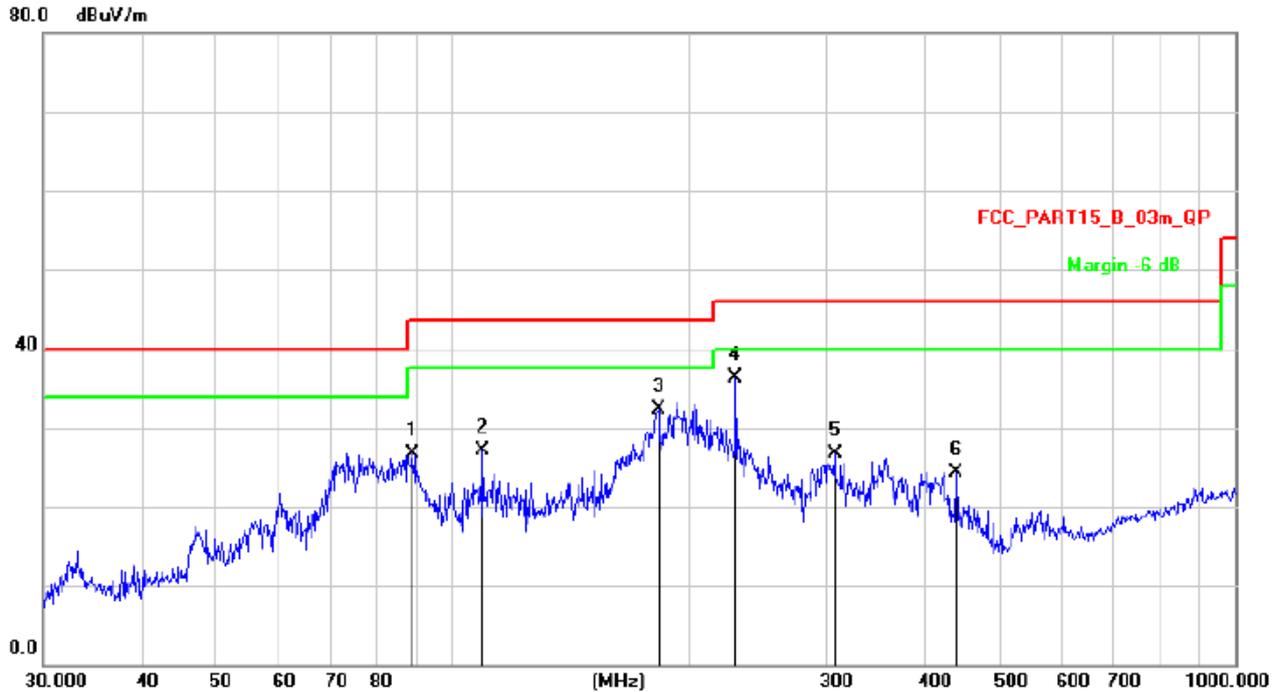
7.3 Test Procedure

30MHz ~ 1GHz:

- a. The Product was placed on the nonconductive turntable 0.8 m above the ground at a chamber.
- b. Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 120 kHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied between 1~4 m in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.
- c. For each frequency whose maximum record was higher or close to limit, measure its QP value: vary the antenna's height and rotate the turntable from 0 to 360 degrees to find the height and degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to QP Detector and specified bandwidth with Maximum Hold Mode, and record the maximum value.

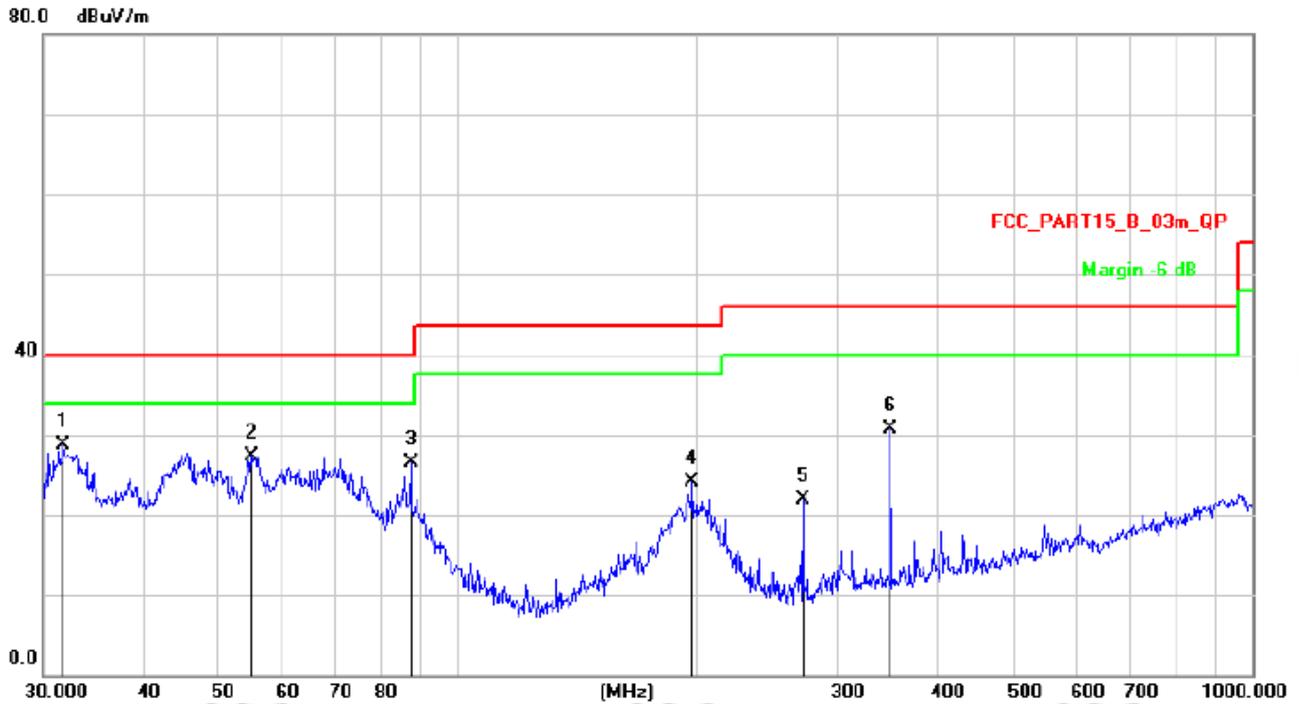
7.4 Test Result

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101kPa	Phase :	Horizontal
Test Voltage :	DC 5V from adapter input AC 120V/60Hz	Test Mode:	Working



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	cm	degree	Comment
1		88.9639	45.05	-18.34	26.71	43.50	-16.79	QP		
2		109.4116	43.98	-16.89	27.09	43.50	-16.41	QP		
3		183.2005	49.59	-17.38	32.21	43.50	-11.29	QP		
4	*	230.0985	51.89	-15.61	36.28	46.00	-9.72	QP		
5		307.8313	40.03	-13.39	26.64	46.00	-19.36	QP		
6		440.1963	34.49	-10.19	24.30	46.00	-21.70	QP		

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101kPa	Phase :	Vertical
Test Voltage :	DC 5V from adapter input AC 120V/60Hz	Test Mode:	Working



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	cm	degree	Comment
1	*	31.8427	45.61	-16.94	28.67	40.00	-11.33	QP		
2		54.8348	42.76	-15.36	27.40	40.00	-12.60	QP		
3		87.1117	45.19	-18.77	26.42	40.00	-13.58	QP		
4		197.2001	40.57	-16.48	24.09	43.50	-19.41	QP		
5		271.3246	36.41	-14.49	21.92	46.00	-24.08	QP		
6		350.4768	42.85	-12.22	30.63	46.00	-15.37	QP		

Remark:

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

8. EUT PHOTOGRAPHS

EUT Photo 1



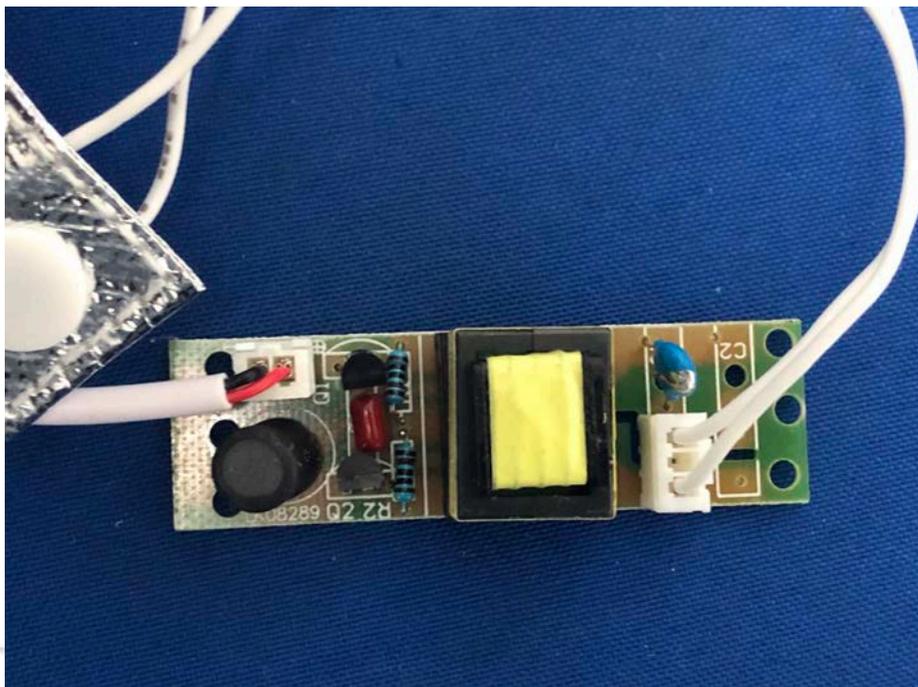
EUT Photo 2



EUT Photo 3



EUT Photo 4



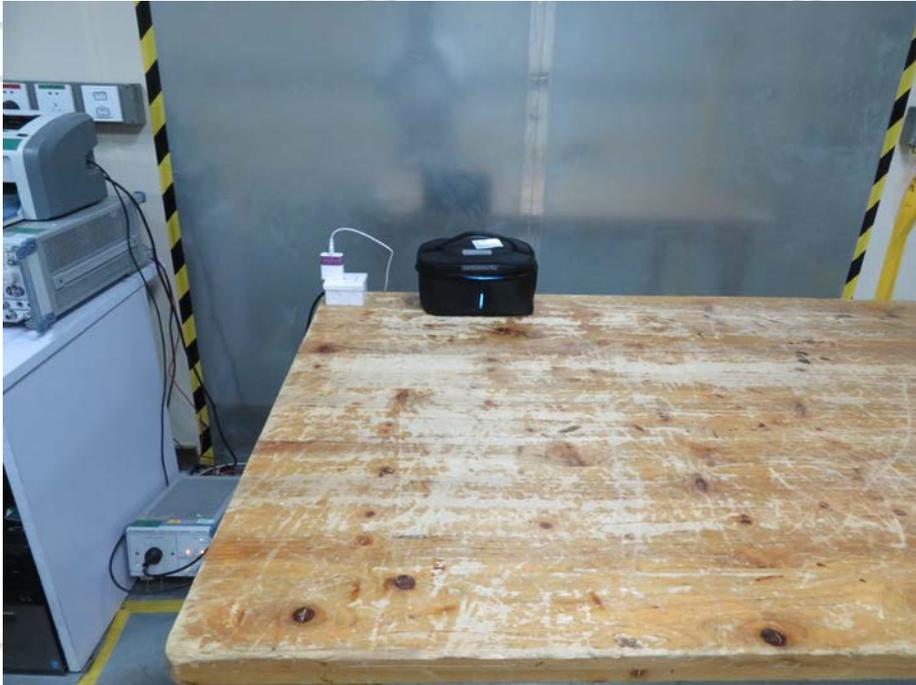


EUT Photo 5



9. EUT TEST SETUP PHOTOGRAPHS

Conducted emission



Radiated emission



***** END OF REPORT *****