



FCC TEST REPORT

FCC ID: SXQ-LPW001

Report Number	ZKT-2303071359E
Date of Test.....	Aug. 21, 2023 to Aug. 29, 2023
Date of issue.....	Aug. 29, 2023
Total number of pages.....	28
Test Result	PASS
Testing Laboratory	Shenzhen ZKT Technology Co., Ltd.
Address	1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China
Applicant's name	U2O GLOBAL CO.,LTD.
Address	U2O building,Huanzhu Road 385,Jimei district Xiamen, Fujian China
Manufacturer's name	U2O GLOBAL CO.,LTD.
Address	U2O building,Huanzhu Road 385,Jimei district Xiamen, Fujian China
Test specification:	
Standard.....	FCC CFR Title 47 Part 15 Subpart C
Test procedure.....	/
Non-standard test method	N/A
Test Report Form No	/
Test Report Form(s) Originator	ZKT Testing
Master TRF	Dated: 2021-04-22
<p>This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.</p> <p>This report shall not be reproduced except in full, without the written approval of ZKT, this document may be altered or revised by ZKT, personal only, and shall be noted in the revision of the document.</p>	
Product name	LinkPod W2
Trademark	iWALK
Model/Type reference.....	LPW001
Ratings.....	Capacity:10000mAh(3.6V/36Wh) USB-C Cable/Port Input:5V===3A,9V===3A,12V===2.5A, 15V===2A,20V===1.5A USB-C Cable Output:5V===3A,9V===3A,12V===2.5A, 15V===2A,20V===1.5A Lightning Output:5V===3A,9V===3A,15V===2A Wireless Charging:3W



Testing procedure and testing location:

Testing Laboratory.....: **Shenzhen ZKT Technology Co., Ltd.**

Address.....: 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Tested by (name + signature).....: Jim Liu

Reviewer (name + signature).....: Jackson Fang

Approved (name + signature).....: Lake Xie





TABLE OF CONTENTS

1. VERSION	4
2. TEST SUMMARY	5
2.1 TEST FACILITY	6
2.2 MEASUREMENT UNCERTAINTY	6
3.1 GENERAL DESCRIPTION OF EUT	7
3.2 Test mode	7
3.3 Block Diagram of EUT Configuration	8
3.4 Test Conditions	8
3.5 Description Of Support Units (Conducted Mode)	8
3.6 EQUIPMENTS LIST FOR ALL TEST ITEMS	9
4. CONDUCTED EMISSION TEST	11
4.1 CONDUCTED EMISSION MEASUREMENT	11
4.1.1 POWER LINE CONDUCTED EMISSION Limits	11
4.1.2 TEST PROCEDURE	11
4.1.3 DEVIATION FROM TEST STANDARD	11
4.1.4 TEST SETUP	12
4.1.5 EUT OPERATING CONDITIONS	12
4.1.6 Test Result	13
5. RADIATED EMISSION MEASUREMENT	15
5.1 Radiated Emission Limits	15
5.2 Anechoic Chamber Test Setup Diagram	16
5.3 Test Procedure	16
5.4 DEVIATION FROM TEST STANDARD	16
5.5 Test Result	17
6. BANDWIDTH TEST	25
7. ANTENNA REQUIREMENT	27
8. TEST SETUP PHOTO	28
9. EUT CONSTRUCTIONAL DETAILS	28



1. VERSION

Report No.	Version	Description	Approved
ZKT-2303071359E	Rev.01	Initial issue of report	Aug. 29, 2023



2. TEST SUMMARY

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	Pass
Spurious Emission	15.209(a)(f)	Pass
20dB Bandwidth	15.215	Pass

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report



2.1 TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.
Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street,
Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 692225
Designation Number: CN1299
IC Registered No.: 27033
Designation Number: CN0110

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9KHz-30MHz)	U=4.5dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.8dB
3	3m chamber Radiated spurious emission(1GHz-6GHz)	U=4.9dB
4	3m chamber Radiated spurious emission(6GHz-40GHz)	U=5.0dB
5	Conducted disturbance	U=3.2dB
6	RF Band Edge	U=1.68dB
7	RF power conducted	U=1.86dB
8	RF conducted Spurious Emission	U=2.2dB
9	RF Occupied Bandwidth	U=1.8MHz
10	RF Power Spectral Density	U=1.75dB
11	humidity uncertainty	U=5.3%
12	Temperature uncertainty	U=0.59°C



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	LinkPod W2
Model No.:	LPW001
Model Difference:	N/A
Serial No.:	N/A
Hardware version:	V1.1
Software version:	V1.0
Operation Frequency:	115KHz ~ 350KHz
Modulation type:	MSK
Antenna Type:	Inductive loop coil Antenna
Antenna gain:	0dBi
Power supply:	Capacity:10000mAh(3.6V/36Wh) USB-C Cable/Port Input:5V===3A,9V===3A,12V===2.5A, 15V===2A,20V===1.5A USB-C Cable Output:5V===3A,9V===3A,12V===2.5A, 15V===2A,20V===1.5A Lightning Output:5V===3A,9V===3A,15V===2A Wireless Charging:3W

3.2 Test mode

Test Modes:	
Mode 1	EUT + Watch
Mode 2	AC/DC Adapter + EUT + Watch
N/A	

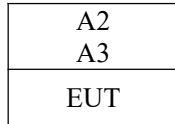
Test Modes:		Description:	
Mode 1	EUT+ Watch	Full Load $\geq 98\%$	Record
		Half Load =50%	
		No Load $\leq 1\%$	
Mode 2	AC/DC Adapter +EUT+ Watch	Full Load $\geq 98\%$	Record
		Half Load =50%	
		No Load $\leq 1\%$	

Note: All modes have been tested, and the report only reflects the worst case data.

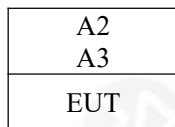


3.3 Block Diagram of EUT Configuration

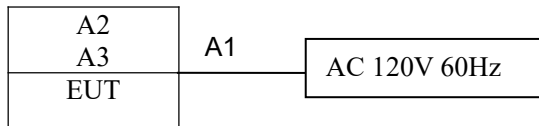
Conducted Emission



Radiated Emission



Conducted Spurious



3.4 Test Conditions

Temperature: 23~26°C

Relative Humidity: 54~63 %

3.5 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	LinkPod W2	N/A	LPW001	LS03	EUT
A1	AC/DC Adapter	HUAWEI	HW-050450C00	N/A	Auxiliary
A2	Watch	HUAWEI	Watch 3	N/A	Auxiliary
A3	cement resistor	N/A	N/A	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C1	NO	NO	0.5M	Type-C USB Cable

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 [Length] column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".



3.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	9020A	MY55370835	A.17.05	Oct. 28, 2022	Oct. 27, 2023
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Oct. 28, 2022	Oct. 27, 2023
3	EMI Test Receiver (9kHz-7GHz)	R&S	ESCI7	101169	4.32	Oct. 28, 2022	Oct. 27, 2023
4	Bilog Antenna (30MHz-1500MHz)	Schwarzbeck	VULB9168	N/A	N/A	Nov. 02, 2022	Nov. 01, 2023
5	Horn Antenna (1GHz-18GHz)	Agilent	AH-118	071145	N/A	Nov. 01, 2022	Oct. 31, 2023
6	Horn Antenna (15GHz-40GHz)	A.H.System	SAS-574	588	N/A	Oct. 28, 2022	Oct. 27, 2023
7	Loop Antenna	TESEQ	HLA6121	58357	N/A	Nov. 01, 2022	Oct. 31, 2023
8	Amplifier (30-1000MHz)	EM Electronics	EM330 Amplifier	060747	N/A	Nov. 15, 2022	Nov. 14, 2023
9	Amplifier (1GHz-26.5GHz)	Agilent	8449B	3008A00315	N/A	Oct. 28, 2022	Oct. 27, 2023
10	Amplifier (500MHz-40GHz)	Quanjuda	DLE-161	097	N/A	Oct. 28, 2022	Oct. 27, 2023
11	Test Cable	N/A	R-01	N/A	N/A	Oct. 28, 2022	Oct. 27, 2023
12	Test Cable	N/A	R-02	N/A	N/A	Oct. 28, 2022	Oct. 27, 2023
13	Test Cable	N/A	R-03	N/A	N/A	Oct. 28, 2022	Oct. 27, 2023
14	Test Cable	N/A	RF-01	N/A	N/A	Oct. 28, 2022	Oct. 27, 2023
15	Test Cable	N/A	RF-02	N/A	N/A	Oct. 28, 2022	Oct. 27, 2023
16	Test Cable	N/A	RF-03	N/A	N/A	Oct. 28, 2022	Oct. 27, 2023
17	ESG Signal Generator	Agilent	E4421B	N/A	B.03.84	Oct. 21, 2022	Oct. 20, 2023
18	Signal Generator	Agilent	N5182A	N/A	A.01.87	Oct. 21, 2022	Oct. 20, 2023
19	Magnetic Field Probe Tester	Narda	ELT-400	0-0344	N/A	Nov. 15, 2022	Nov. 14, 2023
20	Wideband Radio Communication Test	R&S	CMW500	106504	V 3.7.22	Oct. 28, 2022	Oct. 27, 2023
21	RF Power Meter	KEYSIGHT	N1912A P	N/A	A.05.00	Oct. 21, 2022	Oct. 20, 2023
22	D.C. Power Supply	LongWei	TPR-6405D	N/A	N/A	\	\
23	EMC Software	Frad	EZ-EMC	Ver.EMC-CO N 3A1.1	N/A	\	\
24	RF Software	MW	MTS8310	V2.0.0.0	N/A	\	\
25	Turntable	MF	MF-7802BS	N/A	N/A	\	\
26	Antenna tower	MF	MF-7802BS	N/A	N/A	\	\



Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	LISN	R&S	ENV216	101471	N/A	Oct. 21, 2022	Oct. 20, 2023
2	LISN	CYBERTEK	EM5040A	E1850400149	N/A	Oct. 21, 2022	Oct. 20, 2023
3	Test Cable	N/A	C-01	N/A	N/A	Oct. 21, 2022	Oct. 20, 2023
4	Test Cable	N/A	C-02	N/A	N/A	Oct. 21, 2022	Oct. 20, 2023
5	Test Cable	N/A	C-03	N/A	N/A	Oct. 21, 2022	Oct. 20, 2023
6	EMI Test Receiver	R&S	ESCI3	101393	4.42 SP3	Oct. 28, 2022	Oct. 27, 2023
7	Triple-Loop Antenna	N/A	RF300	N/A	N/A	Oct. 28, 2022	Oct. 27, 2023
8	Absorbing Clamp	DZ	ZN23201	15034	N/A	Oct. 31, 2022	Oct. 30, 2023
9	EMC Software	Frad	EZ-EMC	Ver.EMC-CON 3A1.1	N/A	\	\



4. CONDUCTED EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2013
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

4.1.1 POWER LINE CONDUCTED EMISSION Limits

FREQUENCY (MHz)	Limit (dBuV)		Standard
	Quas-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

(1) *Decreases with the logarithm of the frequency.

4.1.2 TEST PROCEDURE

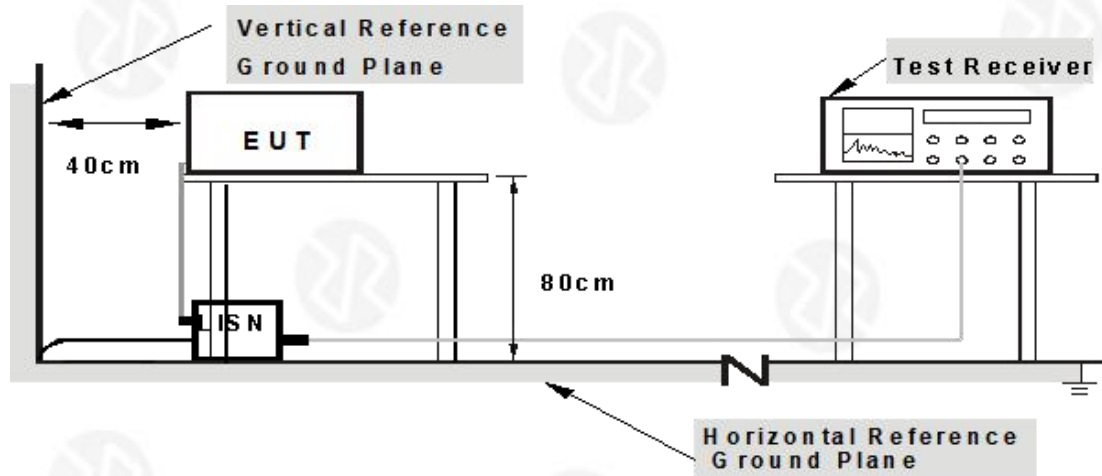
- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 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.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation



4.1.4 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

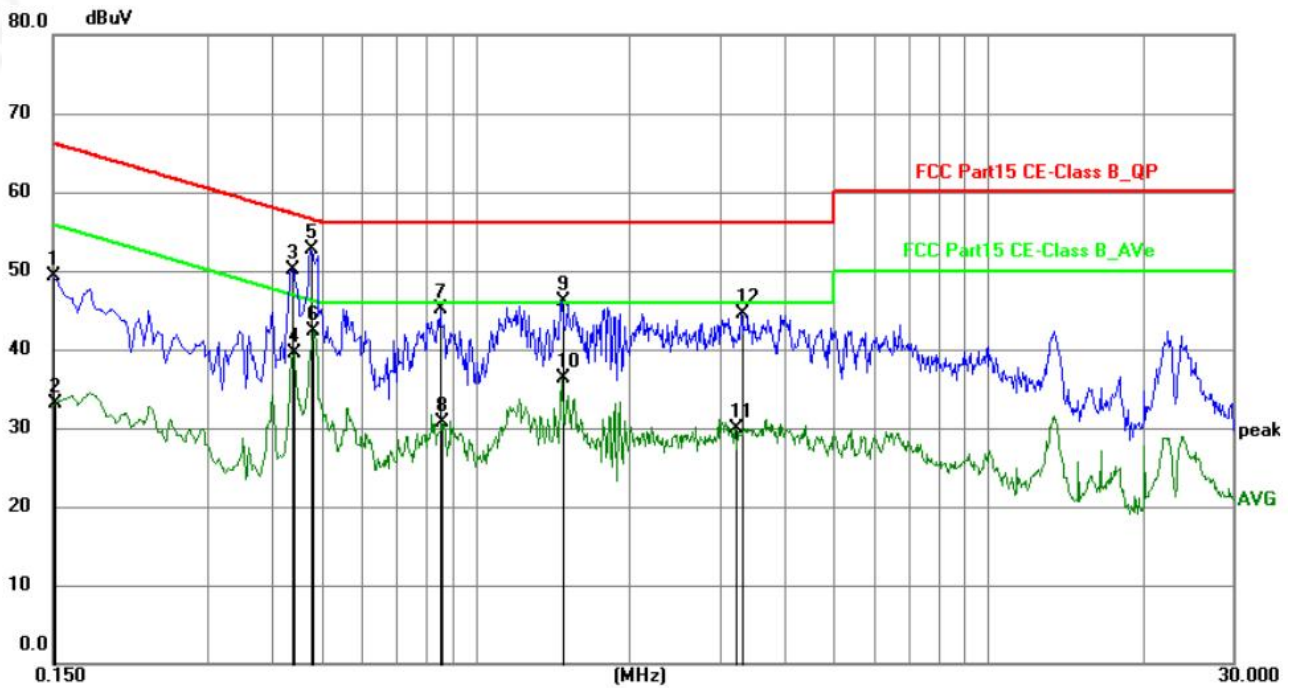
4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



4.1.6 Test Result

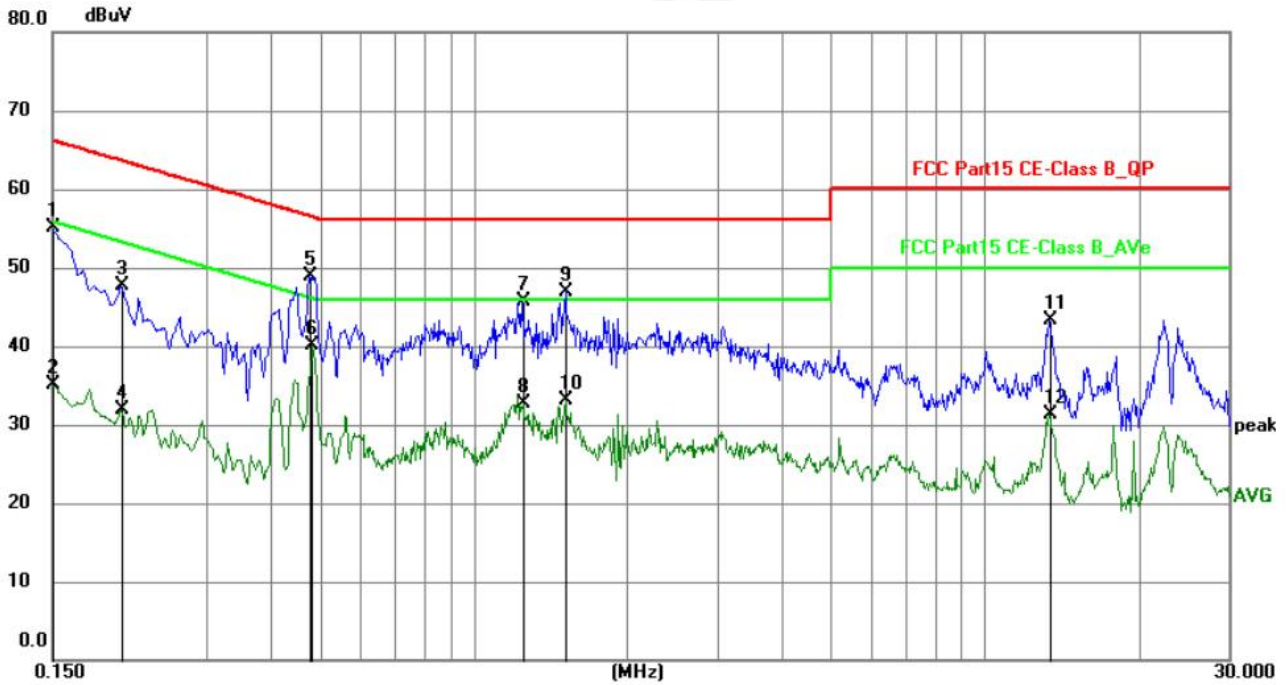
Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 2



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	28.88	20.48	49.36	66.00	-16.64	QP	P	
2	0.1515	12.60	20.49	33.09	55.92	-22.83	AVG	P	
3	0.4380	29.54	20.57	50.11	57.10	-6.99	QP	P	
4	0.4425	19.01	20.57	39.58	47.01	-7.43	AVG	P	
5	0.4785	32.13	20.56	52.69	56.37	-3.68	QP	P	
6	0.4830	21.80	20.55	42.35	46.29	-3.94	AVG	P	
7	0.8564	24.32	20.69	45.01	56.00	-10.99	QP	P	
8	0.8609	10.08	20.69	30.77	46.00	-15.23	AVG	P	
9	1.4729	25.37	20.81	46.18	56.00	-9.82	QP	P	
10	1.4729	15.51	20.81	36.32	46.00	-9.68	AVG	P	
11	3.2145	9.20	20.79	29.99	46.00	-16.01	AVG	P	
12	3.3090	23.70	20.79	44.49	56.00	-11.51	QP	P	



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 2



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	34.57	20.58	55.15	66.00	-10.85	QP	P	
2	0.1500	14.59	20.58	35.17	56.00	-20.83	AVG	P	
3	0.2040	26.92	20.79	47.71	63.45	-15.74	QP	P	
4	0.2040	11.17	20.79	31.96	53.45	-21.49	AVG	P	
5	0.4785	28.21	20.70	48.91	56.37	-7.46	QP	P	
6	0.4830	19.46	20.69	40.15	46.29	-6.14	AVG	P	
7	1.2480	24.92	20.81	45.73	56.00	-10.27	QP	P	
8	1.2525	11.79	20.82	32.61	46.00	-13.39	AVG	P	
9	1.5135	26.18	20.82	47.00	56.00	-9.00	QP	P	
10	1.5135	12.19	20.82	33.01	46.00	-12.99	AVG	P	
11	13.3665	21.87	21.53	43.40	60.00	-16.60	QP	P	
12	13.3665	9.70	21.53	31.23	50.00	-18.77	AVG	P	

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Measurement Level = Reading level + Correct Factor



5. RADIATED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 1GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average

5.1 Radiated Emission Limits

Limits for frequency below 30MHz

Frequency	Limit (uV/m)	Measurement Distance(m)	Remark
0.009-0.490	2400/F(kHz)	300	Quasi-peak Value
0.490-1.705	24000/F(kHz)	30	Quasi-peak Value
1.705-30	30	30	Quasi-peak Value

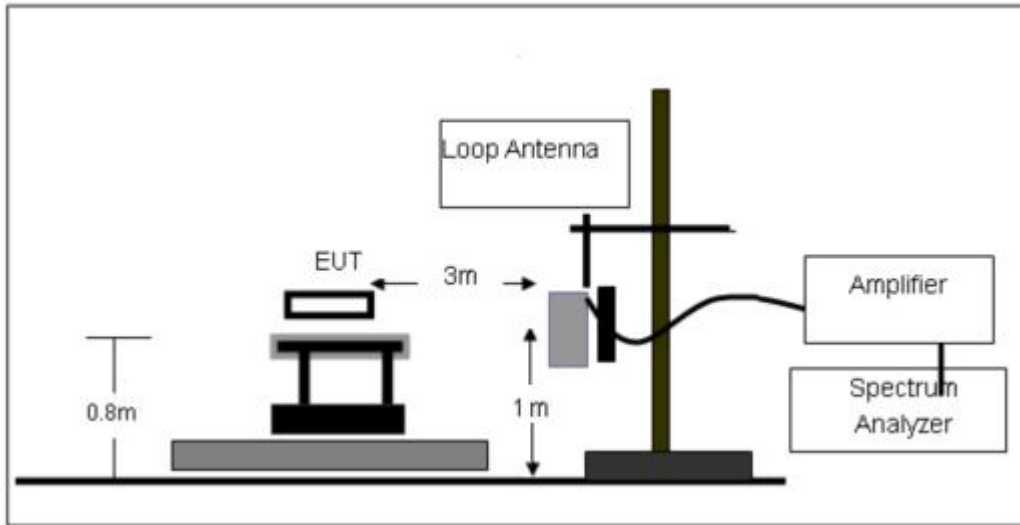
Limits for frequency Above 30MHz

Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.00	Quasi-peak Value
88MHz-216MHz	43.50	Quasi-peak Value
216MHz-960MHz	46.00	Quasi-peak Value
960MHz-1GHz	54.00	Quasi-peak Value
Above 1GHz	54.00	Average Value
	74.00	Peak Value

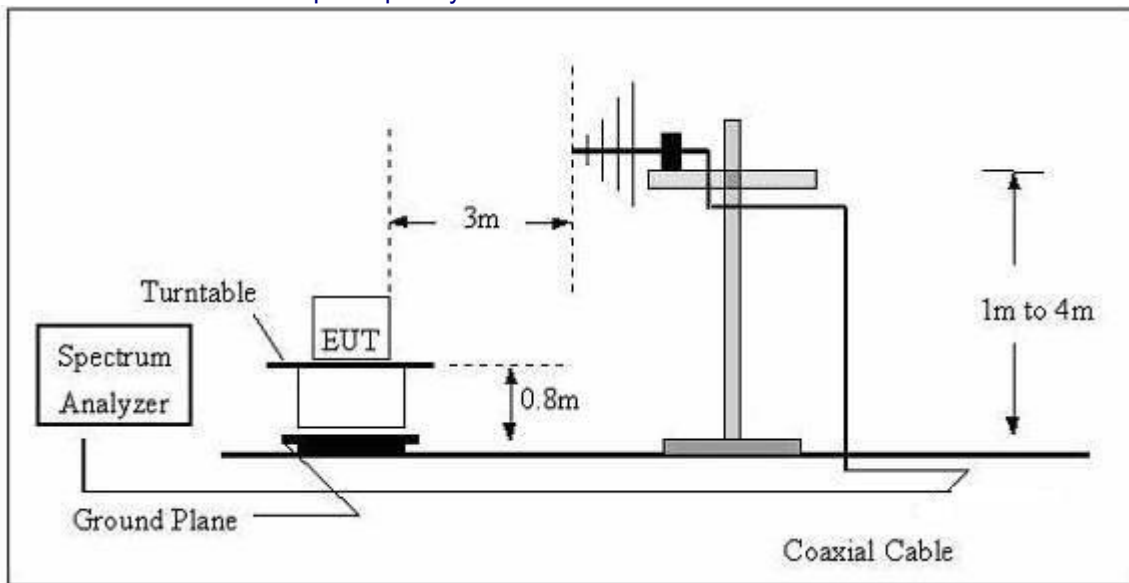


5.2 Anechoic Chamber Test Setup Diagram

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



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



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 and FCC 15.205 limits.

5.3 Test Procedure

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level. Broadband antenna (calibrated by dipole antenna) are used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on measurement.

5.4 DEVIATION FROM TEST STANDARD

No deviation



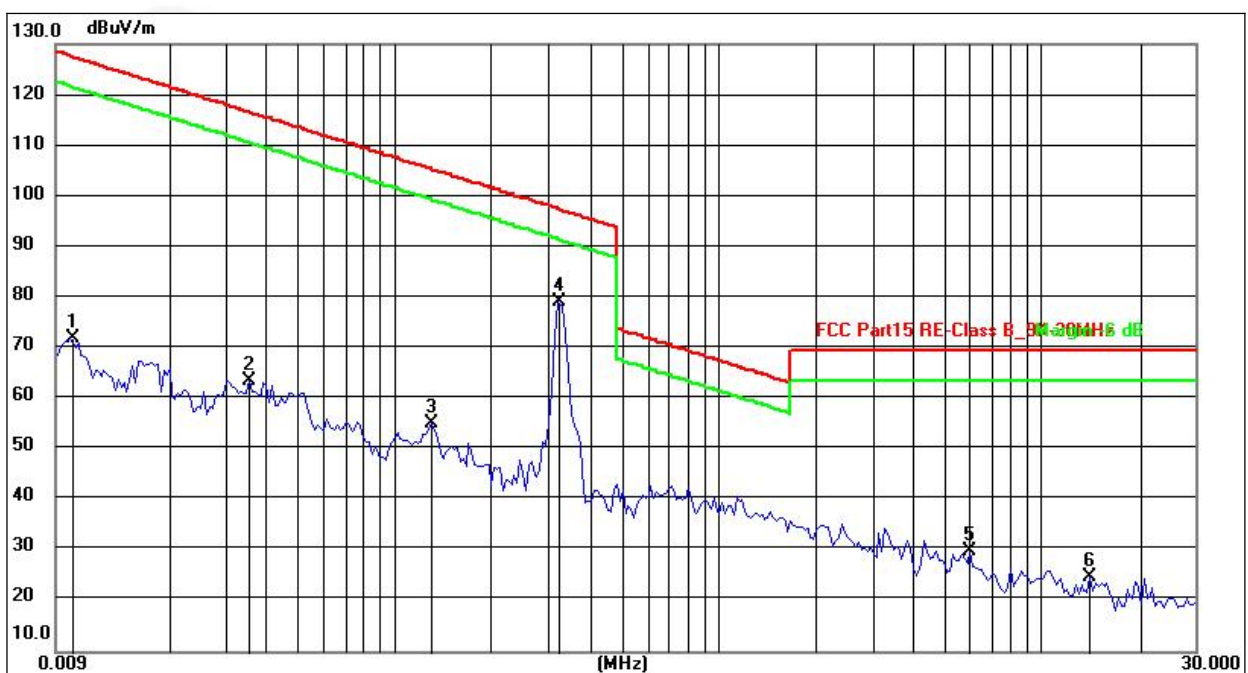
5.5 Test Result

Measurement data:

Note: Limit dBuV/m @3m = Limit dBuV/m @300m+ 80
Limit dBuV/m @3m = Limit dBuV/m @30m + 40

9 kHz~30 MHz

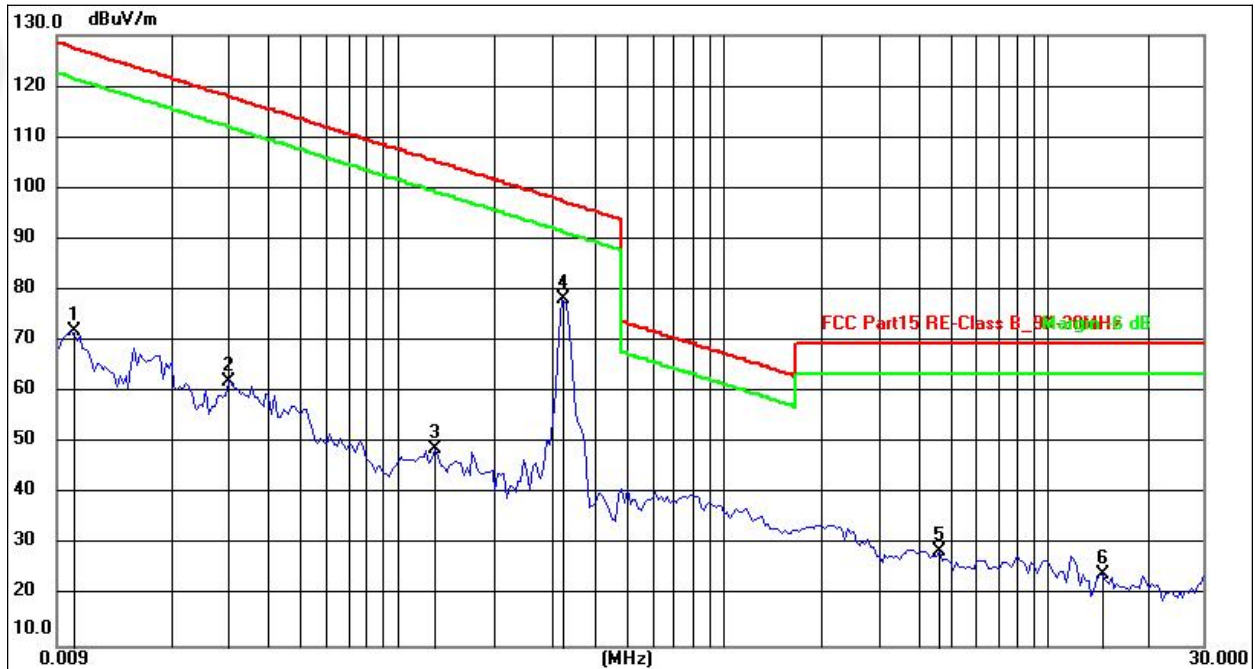
Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Coaxial
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 2



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0100	51.31	20.55	71.86	127.60	-55.74	peak
2	0.0357	43.61	20.08	63.69	116.55	-52.86	peak
3	0.1307	35.27	19.94	55.21	105.28	-50.07	peak
4	0.3250	59.12	20.13	79.25	97.37	-18.12	peak
5	6.0442	10.70	19.37	30.07	69.54	-39.47	peak
6	14.1661	5.81	18.93	24.74	69.54	-44.80	peak



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Coplaner
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 2



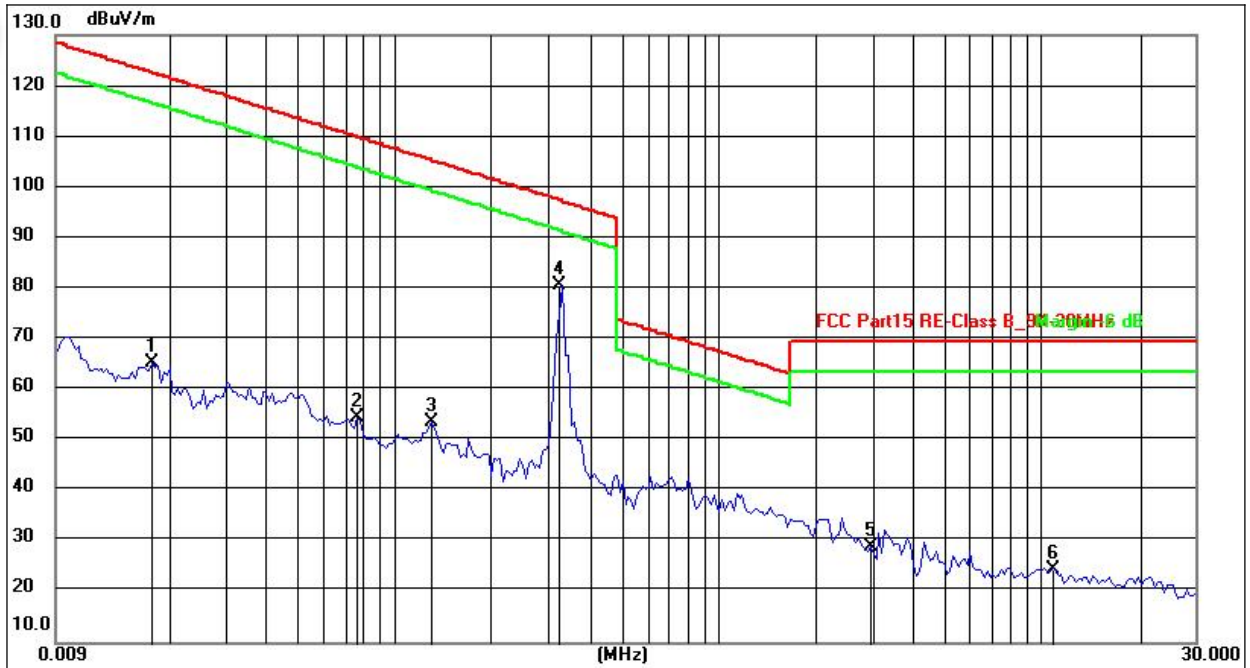
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0100	51.31	20.55	71.86	127.60	-55.74	peak
2	0.0303	41.81	20.21	62.02	117.98	-55.96	peak
3	0.1307	28.77	19.94	48.71	105.28	-56.57	peak
4	0.3250	58.12	20.13	78.25	97.37	-19.12	peak
5	4.6436	9.15	19.50	28.65	69.54	-40.89	peak
6	14.7522	5.35	18.92	24.27	69.54	-45.27	peak

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.



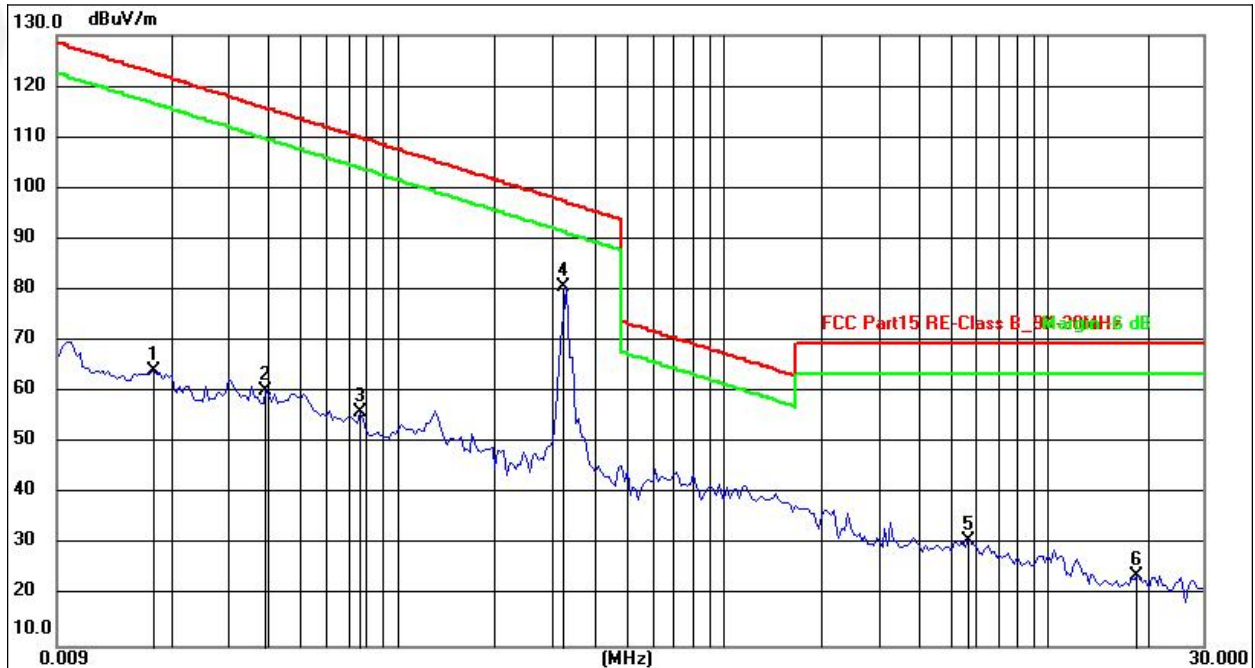
Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Coaxial
Test Voltage:	DC 3.7V	Test Mode:	Mode 1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0177	44.78	20.47	65.25	122.65	-57.40	AVG
2	0.0772	34.63	19.85	54.48	109.85	-55.37	AVG
3	0.1307	33.77	19.94	53.71	105.28	-51.57	AVG
4	0.3250	60.59	20.13	80.72	97.37	-16.65	AVG
5	2.9723	9.30	19.65	28.95	69.54	-40.59	QP
6	10.8833	5.71	18.99	24.70	69.54	-44.84	QP



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Coplaner
Test Voltage:	DC 3.7V	Test Mode:	Mode 1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0177	43.78	20.47	64.25	122.65	-58.40	AVG
2	0.0395	40.15	19.99	60.14	115.67	-55.53	AVG
3	0.0772	36.13	19.85	55.98	109.85	-53.87	AVG
4	0.3250	60.59	20.13	80.72	97.37	-16.65	AVG
5	5.6875	11.42	19.41	30.83	69.54	-38.71	QP
6	18.8170	5.34	18.54	23.88	69.54	-45.66	QP

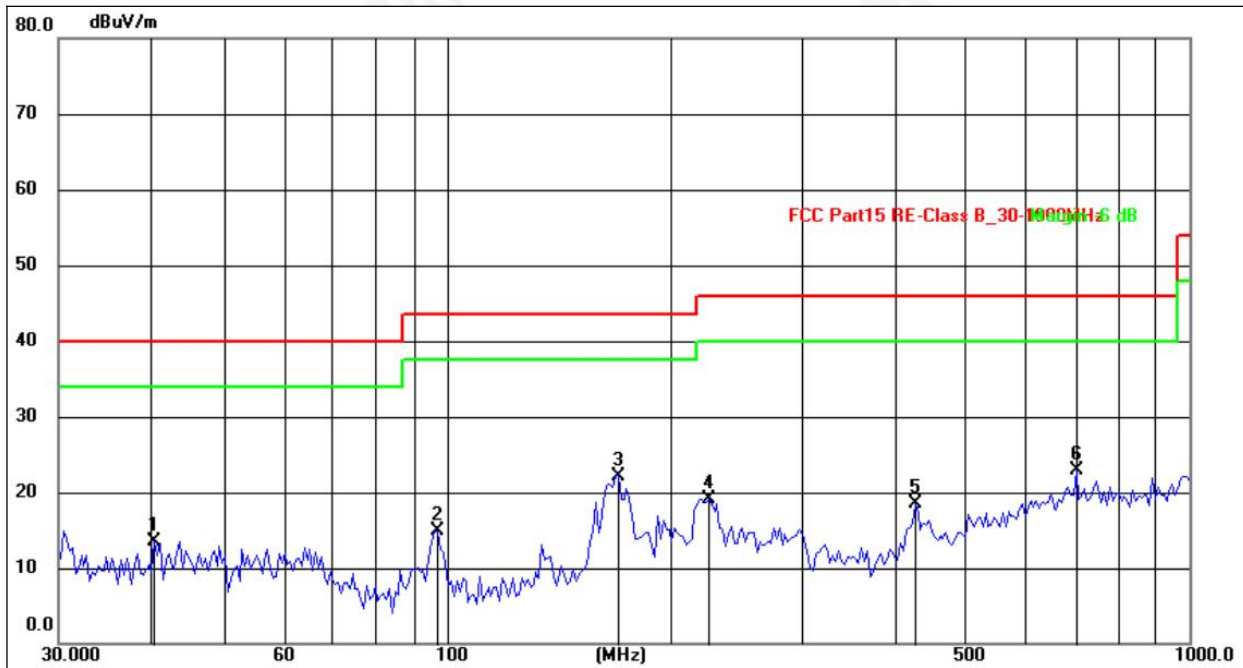
Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.



30MHz-1GHz

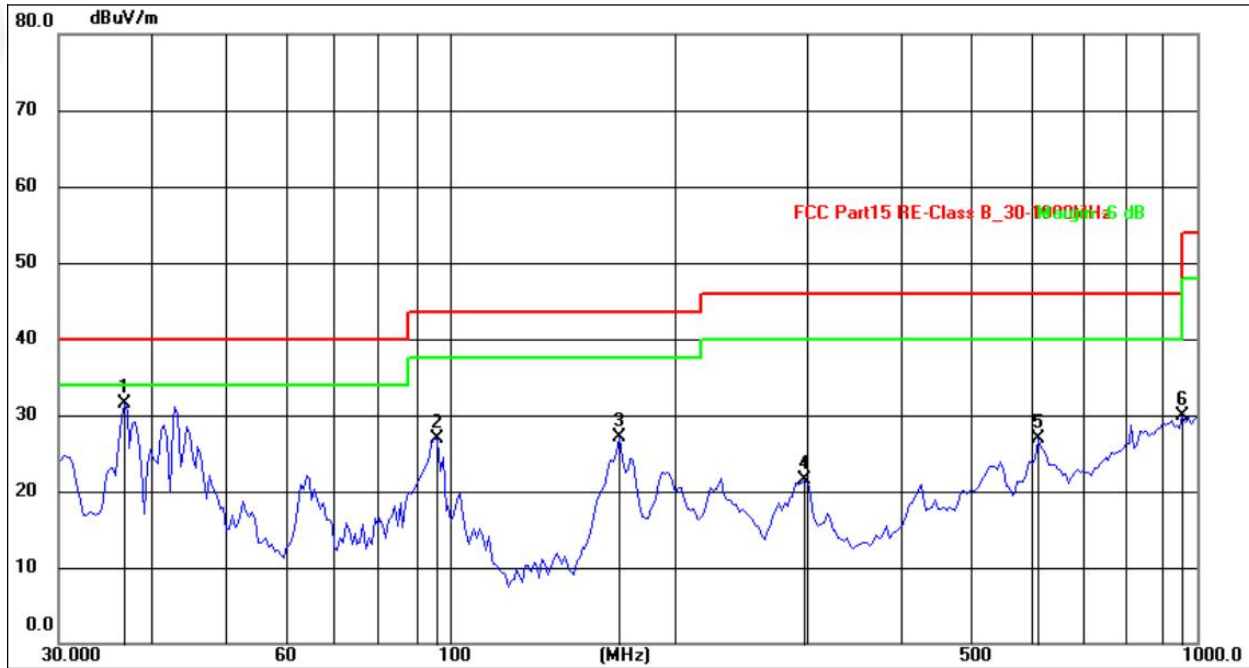
Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 2



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.4170	27.66	-14.13	13.53	40.00	-26.47	QP
2	97.1148	34.79	-19.93	14.86	43.50	-28.64	QP
3	170.1947	39.24	-17.04	22.20	43.50	-21.30	QP
4	225.3079	36.59	-17.39	19.20	46.00	-26.80	QP
5	427.2695	33.77	-15.22	18.55	46.00	-27.45	QP
6	704.2261	29.64	-6.72	22.92	46.00	-23.08	QP



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 2



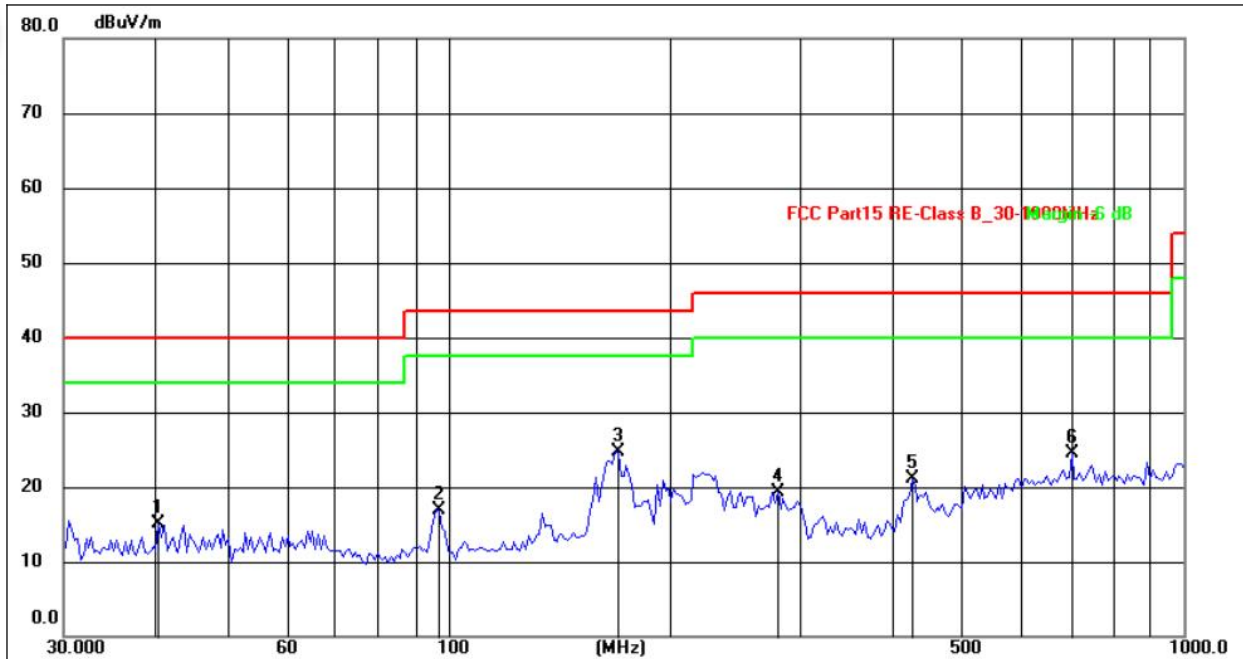
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	36.7017	48.76	-17.35	31.41	40.00	-8.59	QP
2	96.2672	48.29	-21.32	26.97	43.50	-16.53	QP
3	168.7093	47.21	-20.04	27.17	43.50	-16.33	QP
4	298.2681	39.89	-18.39	21.50	46.00	-24.50	QP
5	612.0641	34.74	-7.76	26.98	46.00	-19.02	QP
6	957.1147	30.32	-0.44	29.88	46.00	-16.12	QP

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.



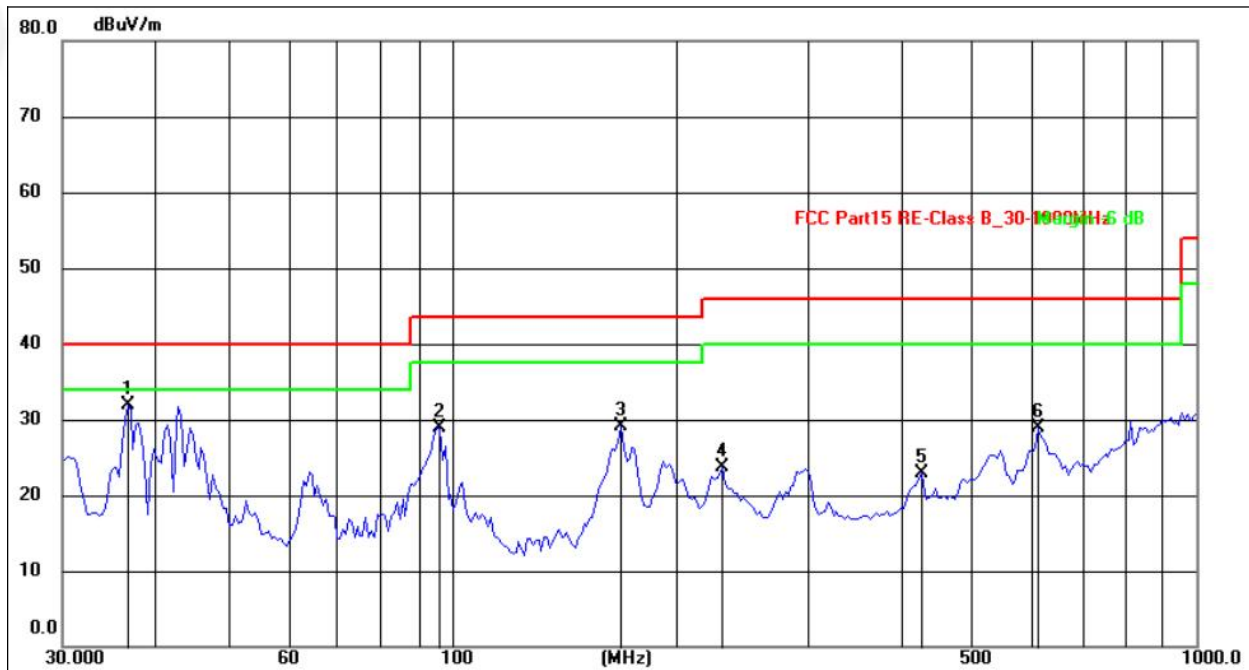
Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test Mode:	Mode 1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.4170	29.16	-14.13	15.03	40.00	-24.97	QP
2	97.1148	36.79	-19.93	16.86	43.50	-26.64	QP
3	170.1947	41.74	-17.04	24.70	43.50	-18.80	QP
4	280.5151	33.77	-14.41	19.36	46.00	-26.64	QP
5	427.2694	36.27	-15.22	21.05	46.00	-24.95	QP
6	704.2260	31.14	-6.72	24.42	46.00	-21.58	QP



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test Mode:	Mode 1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	36.7017	49.26	-17.35	31.91	40.00	-8.09	QP
2	96.2672	50.29	-21.32	28.97	43.50	-14.53	QP
3	168.7093	49.21	-20.04	29.17	43.50	-14.33	QP
4	231.3119	43.94	-20.32	23.62	46.00	-22.38	QP
5	427.2694	36.92	-14.09	22.83	46.00	-23.17	QP
6	612.0641	36.74	-7.76	28.98	46.00	-17.02	QP

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.



6. BANDWIDTH TEST

1. Set RBW = 30Hz.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

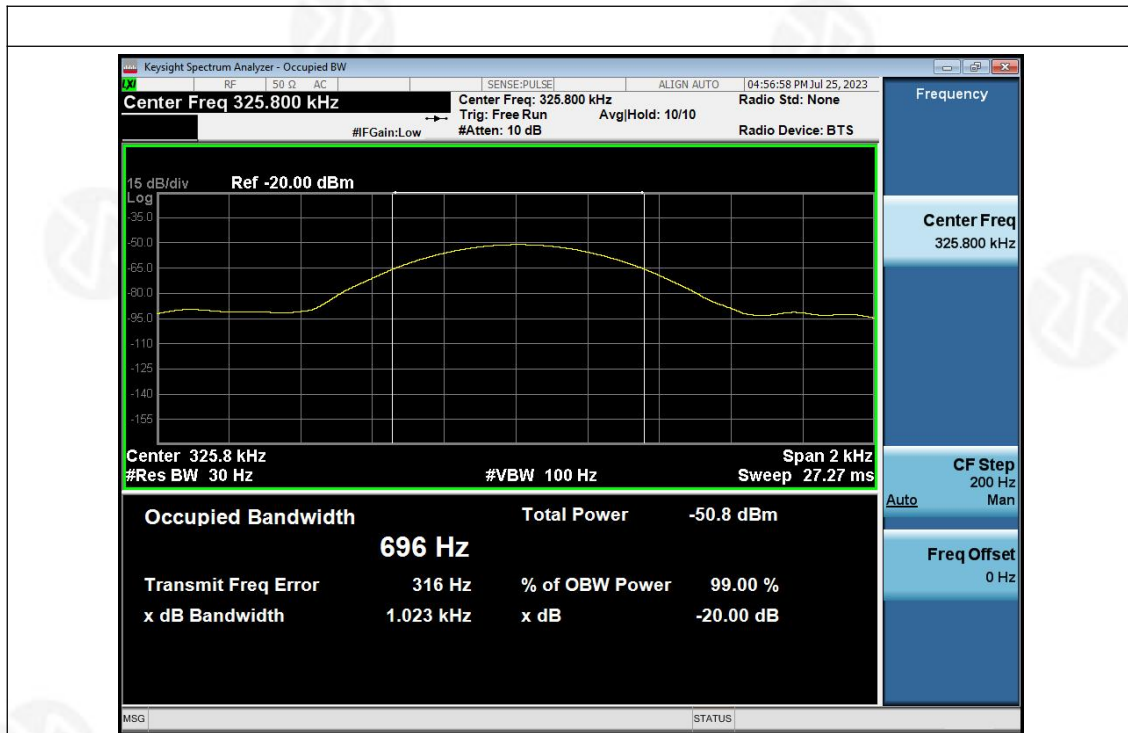
TEST SETUP





Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101kPa		

Frequency (kHz)	20dB bandwidth (kHz)	99% bandwidth (Hz)	Result
325.800	1.023	696	Pass





7. ANTENNA REQUIREMENT

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
EUT Antenna:	
The antenna is Loop antenna, the best case gain of the antennas is 0dBi, reference to the appendix II for details	



8. TEST SETUP PHOTO

Reference to the appendix I for details.

9. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

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