FCC TEST REPORT
FCC ID:2A4OE-B-28

Report Number.....:	**ZKT-250317L4579E**
Date of Test.....:	Feb. 14, 2025 to Mar. 11, 2025
Date of issue.....:	Mar. 11, 2025
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 .....:	**Dongguan Boxinda Electronic Technology Co., LTD**
Address .....:	Room 302, Building 1, 160 Luyuan Road, Tangxia Town, Dongguan City, Guangdong Province China
Manufacturer's name .....:	**Dongguan Boxinda Electronic Technology Co., LTD**
Address .....:	Room 302, Building 1, 160 Luyuan Road, Tangxia Town, Dongguan City, Guangdong Province China
Test specification:	
Standard.....:	FCC CFR Title 47 Part 15 Subpart C
Test procedure.....:	/
Non-standard test method .....:	N/A

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.
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Product name.....:	**Creative Swan Style 3 in 1 Wireless Charger**
Trademark .....:	/
Model/Type reference.....:	B-28
Model Difference.....:	/
Ratings.....:	Input: 9 V⎓ 3 A, 12 V⎓ 3 A Mobile Phone Output:15W(Max) Earphone Output: 5W Watch Output: 0.5W-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

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1. VERSION

Report No.	Version	Description	Approved
ZKT-250317L4579E	Rev.01	Initial issue of report	Mar. 11, 2025

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

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ± U，where expended 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	Conducted Emission Test	±1.38dB
2	RF conducted power	±0.16dB
3	Conducted spurious emissions	±0.21dB
4	All radiated emissions (9k-30MHz)	±4.68dB
5	All radiated emissions (<1G)	±4.68dB
6	All radiated emissions (>1G)	±4.89dB
7	Temperature	±0.5°C
8	Humidity	±2%
9	Occupied Bandwidth	±4.96%

3. GENERAL INFORMATION

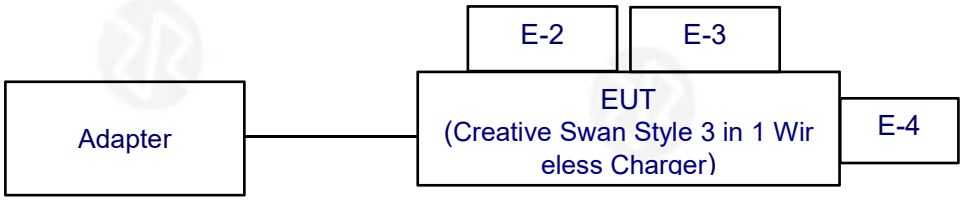
3.1 GENERAL DESCRIPTION OF EUT

Product Name:	Creative Swan Style 3 in 1 Wireless Charger
Test Model No.:	B-28
Hardware version:	V1.0
Software version:	V1.0
Operation Frequency:	Mobile Phone: 115-205KHz Earphone: 115-205KHz Watch: 300-350KHz
Modulation type:	MSK
Antenna Type:	Coil Antenna
Antenna gain:	0dBi
Ratings:	Input: 9 V⎓3 A, 12 V⎓3 A Mobile Phone Output:15W(Max) Earphone Output: 5W Watch Output: 0.5W-3W

3.2 Test mode

Test Modes:	
Mode 1	AC Adapter+Creative Swan Style 3 in 1 Wireless Charger mode (Phone: 15W)
Mode 2	AC Adapter+Creative Swan Style 3 in 1 Wireless Charger mode (Phone: 10W)
Mode 3	AC Adapter+Creative Swan Style 3 in 1 Wireless Charger mode (Phone: 7.5W)
Mode 4	AC Adapter+Creative Swan Style 3 in 1 Wireless Charger mode (Phone: 5W)
Mode 5	AC Adapter+Creative Swan Style 3 in 1 Wireless Charger mode (Earphone: Battery Status:≤1%)
Mode 6	AC Adapter+Creative Swan Style 3 in 1 Wireless Charger mode (Earphone: Battery Status:50%)
Mode 7	AC Adapter+Creative Swan Style 3 in 1 Wireless Charger mode (Earphone: Battery Status:≥98)
Mode 8	AC Adapter+Creative Swan Style 3 in 1 Wireless Charger mode (Watch: Battery Status:≤1%)
Mode 9	AC Adapter+Creative Swan Style 3 in 1 Wireless Charger mode (Watch: Battery Status:≤50%)
Mode 10	AC Adapter+Creative Swan Style 3 in 1 Wireless Charger mode (Watch: Battery Status:≤98%)
Mode 11	AC Adapter+ Phone (15W) + Earphone (Battery Status:≤1%)
Mode 12	AC Adapter+ Phone (15W) + Watch (Watch: Battery Status:≤1%)
Mode 13	AC Adapter+ Phone (15W) + Earphone (Battery Status:≤1%) + Watch (Watch: Battery Status:≤1%)
Note: All modes and coil were tested, only the worst-case was recorded in the report. Mode 13 is the worst mode.	

3.3 Block Diagram of EUT Configuration



3.4 Test Conditions

Temperature: 25.6℃

Relative Humidity: 54.3 %

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.	Creative Swan Style 3 in 1 Wireless Charger power parameters	Note
E-1	Adapter	HUAWEI	HW-059200CHQ	N/A	AE
E-2	Wireless charger load	YBZ	EESON	5 W/ 7.5 W/ 10 W/ 15W	AE
E-3	Earphone	Apple Inc.	A2031	5W	AE
E-4	Apple watch	Apple Inc.	ultra 2	3W	AE

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『Length』column.
(3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

3.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation emissions& Radio Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 29, 2024	Sep. 28, 2025
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 30, 2024	Sep. 29, 2025
3	EMI Test Receiver (9kHz-7GHz)	R&S	ESCI7	100969	4.32	Sep. 29, 2024	Sep. 28, 2025
4	Bilog Antenna (30MHz-1500MHz)	Schwarzbeck	VULB9168	00877	N/A	Sep. 30, 2024	Sep. 29, 2025
5	Horn Antenna (1GHz-18GHz)	Agilent	AH-118	071145	N/A	Sep. 30, 2024	Sep. 29, 2025
6	Horn Antenna (15GHz-40GHz)	A.H.System	SAS-574	588	N/A	Sep. 30, 2024	Sep. 29, 2025
7	Loop Antenna	TESEQ	HLA6121	58357	N/A	Oct. 11, 2024	Oct. 10, 2025
8	Amplifier (30-1000MHz)	EM Electronics	EM330 Amplifier	60747	N/A	Sep. 29, 2024	Sep. 28, 2025
9	Amplifier (1GHz-26.5GHz)	HuiPu	8449B	3008A00315	N/A	Sep. 29, 2024	Sep. 28, 2025
10	Amplifier (500MHz-40GHz)	QuanJuDa	DLE-161	097	N/A	Sep. 30, 2024	Sep. 29, 2025
11	Test Cable	N/A	R-01	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
12	Test Cable	N/A	R-02	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
13	Test Cable	N/A	R-03	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
14	D.C. Power Supply	LongWei	TPR-6405D	N/A	N/A	Sep. 29, 2024	Sep. 28, 2025
15	EMC Software	Frad	EZ-EMC	Ver.EMC-CON 3A1.1	N/A	\	\
16	Turntable	MF	MF-7802BS	N/A	N/A	\	\
17	Antenna tower	MF	MF-7802BS	N/A	N/A	\	\

Conducted emissions Test

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 29, 2024	Sep. 28, 2025
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 30, 2024	Sep. 29, 2025
3	Test Cable	N/A	RF-01	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
4	Test Cable	N/A	RF-02	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
5	Test Cable	N/A	RF-03	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
6	ESG Signal Generator	Agilent	E4421B	N/A	B.03.84	Sep. 29, 2024	Sep. 28, 2025
7	Signal Generator	Agilent	N5182A	N/A	A.01.87	Sep. 29, 2024	Sep. 28, 2025
8	Magnetic Field Probe Tester	Narda	ELT-400	0-0344	N/A	Nov. 16, 2023	Nov. 15, 2024
9	Van der Hoofden measuring head	Schwarzbeck Mess-elektronik	VDHH 9502	9502-039	N/A	Sep. 30, 2024	Sep. 29, 2025
10	Wideband Radio Communication Test	R&S	CMW500	106504	V 3.7.22	Sep. 30, 2024	Sep. 29, 2025
11	MWRF Power Meter Test system	MW	MW100-RFCB	N/A	N/A	Sep. 29, 2024	Sep. 28, 2025
12	D.C. Power Supply	LongWei	TPR-6405 D	N/A	N/A	Sep. 29, 2024	Sep. 28, 2025
13	RF Software	MW	MTS8310	V2.0.0.0	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
	QP	AVG	
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.

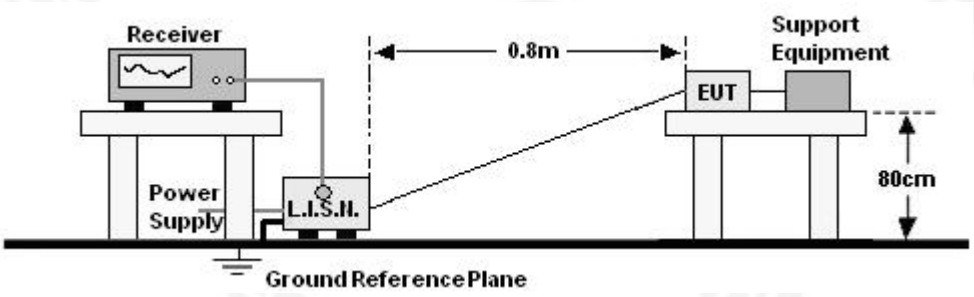
4.1.2 TEST PROCEDURE

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

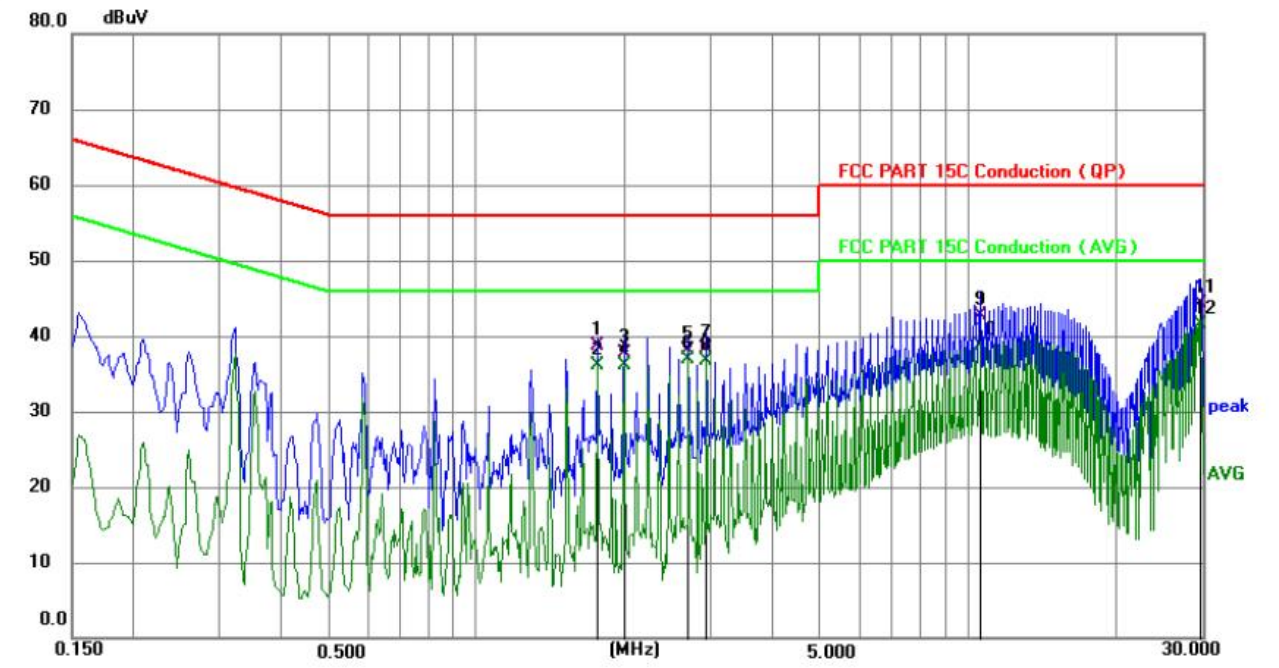


4.1.5 EUT OPERATING CONDITIONS

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

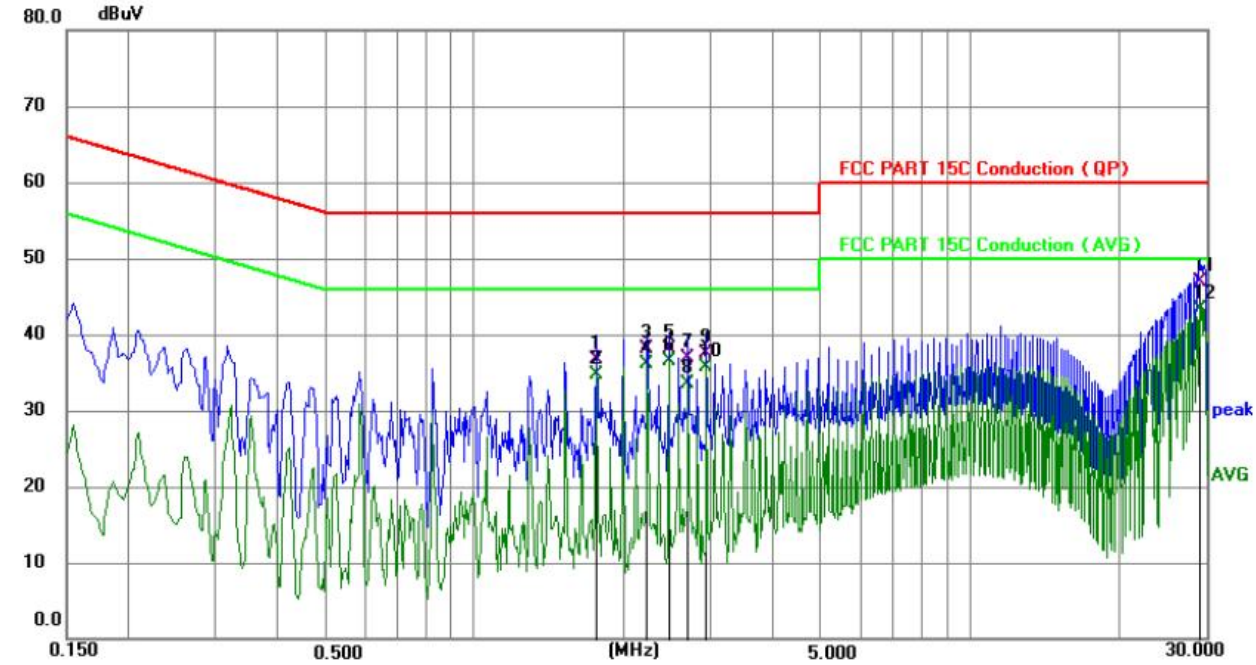
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Phase :	L
Test Voltage:	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	1.7610	28.64	10.06	38.70	56.00	-17.30	QP	P	
2	1.7610	26.07	10.06	36.13	46.00	-9.87	AVG	P	
3	1.9950	27.74	10.06	37.80	56.00	-18.20	QP	P	
4	1.9950	26.14	10.06	36.20	46.00	-9.80	AVG	P	
5	2.7015	28.03	10.07	38.10	56.00	-17.90	QP	P	
6	2.7015	26.84	10.07	36.91	46.00	-9.09	AVG	P	
7	2.9355	28.33	10.07	38.40	56.00	-17.60	QP	P	
8	2.9355	26.55	10.07	36.62	46.00	-9.38	AVG	P	
9	10.5675	32.62	10.08	42.70	60.00	-17.30	QP	P	
10	10.5675	28.62	10.08	38.70	50.00	-11.30	AVG	P	
11	29.8275	34.01	10.39	44.40	60.00	-15.60	QP	P	
12 *	29.8275	31.02	10.39	41.41	50.00	-8.59	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.Mesurement Level = Reading level + Correct Factor
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Phase :	N
Test Voltage:	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	1.7655	26.64	10.06	36.70	56.00	-19.30	QP	P	
2	1.7655	24.69	10.06	34.75	46.00	-11.25	AVG	P	
3	2.2334	28.03	10.07	38.10	56.00	-17.90	QP	P	
4	2.2334	26.10	10.07	36.17	46.00	-9.83	AVG	P	
5	2.4674	28.13	10.07	38.20	56.00	-17.80	QP	P	
6	2.4674	26.36	10.07	36.43	46.00	-9.57	AVG	P	
7	2.7014	26.83	10.07	36.90	56.00	-19.10	QP	P	
8	2.7014	23.42	10.07	33.49	46.00	-12.51	AVG	P	
9	2.9400	27.53	10.07	37.60	56.00	-18.40	QP	P	
10	2.9400	25.59	10.07	35.66	46.00	-10.34	AVG	P	
11	29.1344	36.63	10.37	47.00	60.00	-13.00	QP	P	
12 *	29.1344	32.93	10.37	43.30	50.00	-6.70	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.Mesurement Level = Reading level + Correct Factor
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

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	Peak Value
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

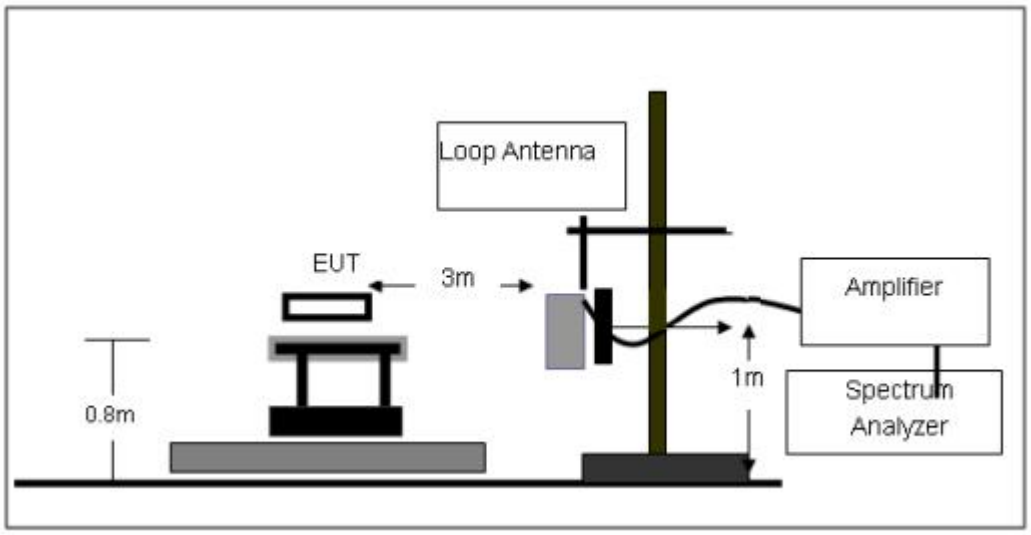
Frequency	Limit (uV/m)	Measurement Distance(m)	Remark
0.009-0.490	2400/F(kHz)	300	Peak Value
0.490-1.705	24000/F(kHz)	30	Quasi-peak Value
1.705-30	30	30	Quasi-peak Value

Limits for frequency Above 30MHz

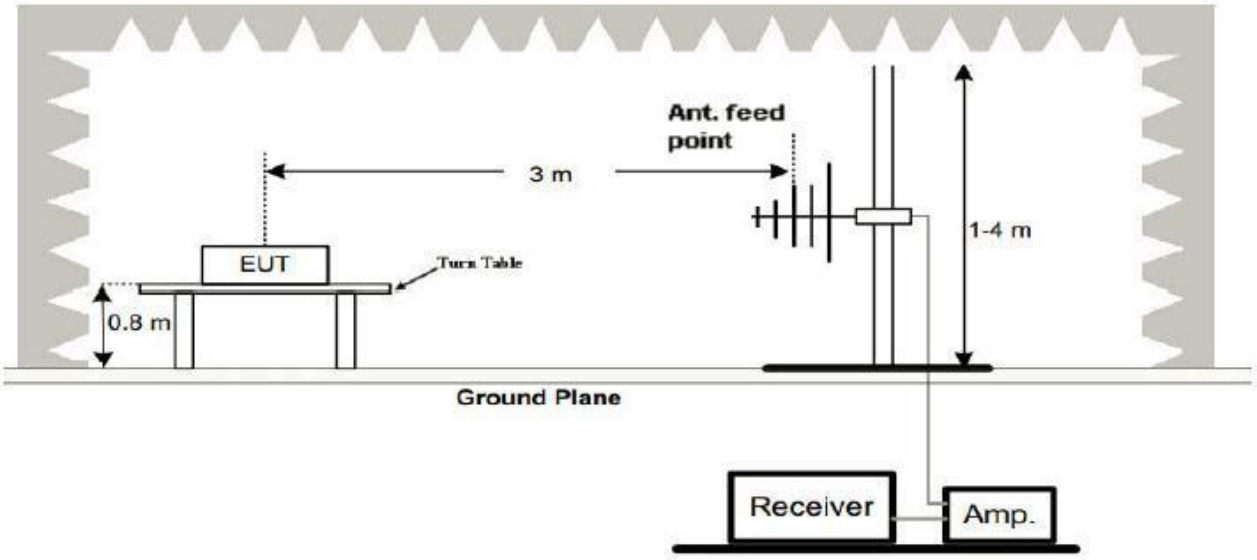
Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.00	Quasi-peak Value
88MHz-216MHz	43.50	Quasi-peak Value
216MHz-960MHz	46.00	Quasi-peak Value
960MHz-1GHz	54.00	Quasi-peak Value
Above 1GHz	54.00	Average Value
	74.00	Peak Value

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

Below 30MHz
a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meterssemi-anechoic chamber. The table was rotated 360 degrees to determine the position of thehighest radiation.
b. The EUT was set 3 meters away from the interference-receiving loop antenna and in thecenter of a loop antenna, which was mounted on the top of a variable-height antenna tower.
c. For each suspected emission, the EUT was arranged to its worst case, the height ofinterference-receiving loop antenna centre is 1 meter above the ground, and the rotatable tablewas turned from 0 degrees to 360 degrees to find the maximum reading.
d.Both coaxial (loop plane perpendicular to the ground plane and to the measurement axis) andcoplanar (loop plane perpendicular to the ground plane and coplanar with the measurement axis)polarizations of the antenna are set to make the measurement.
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth withmaximum hold mode when the test frequency is below 1 GHz.

30MHz-1GHz
a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meterssemi-anechoic chamber. The table was rotated 360 degrees to determine the position of thehighest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna. which was mountedon the top of a variable-height antenna tower.
c. The antenna is a broadband antenna, and its height is varied from one meter to four metersabove the ground to determine the maximum value of the field strength.Both horizontal andvertical 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 antennawas tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degreesto 360 degrees to find the maximum reading.
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth withmaximum hold mode when the test frequency is below1 GHz.

5.4 DEVIATION FROM TEST STANDARD

No deviation

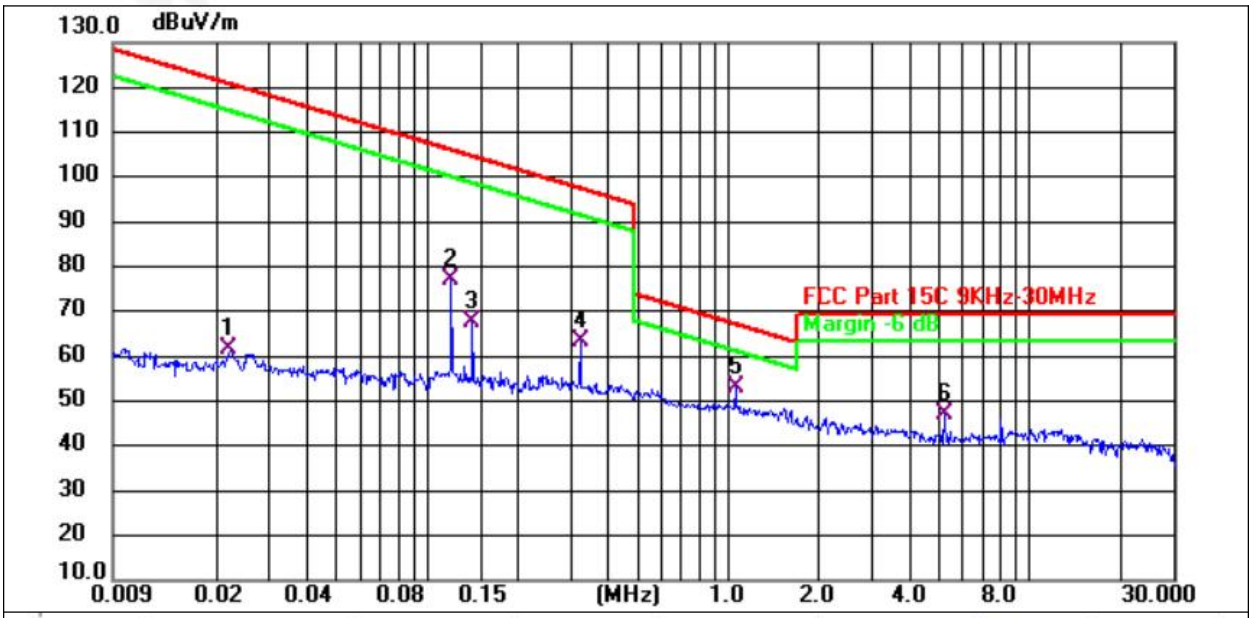
5.5 Test Result

Measurement data:

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

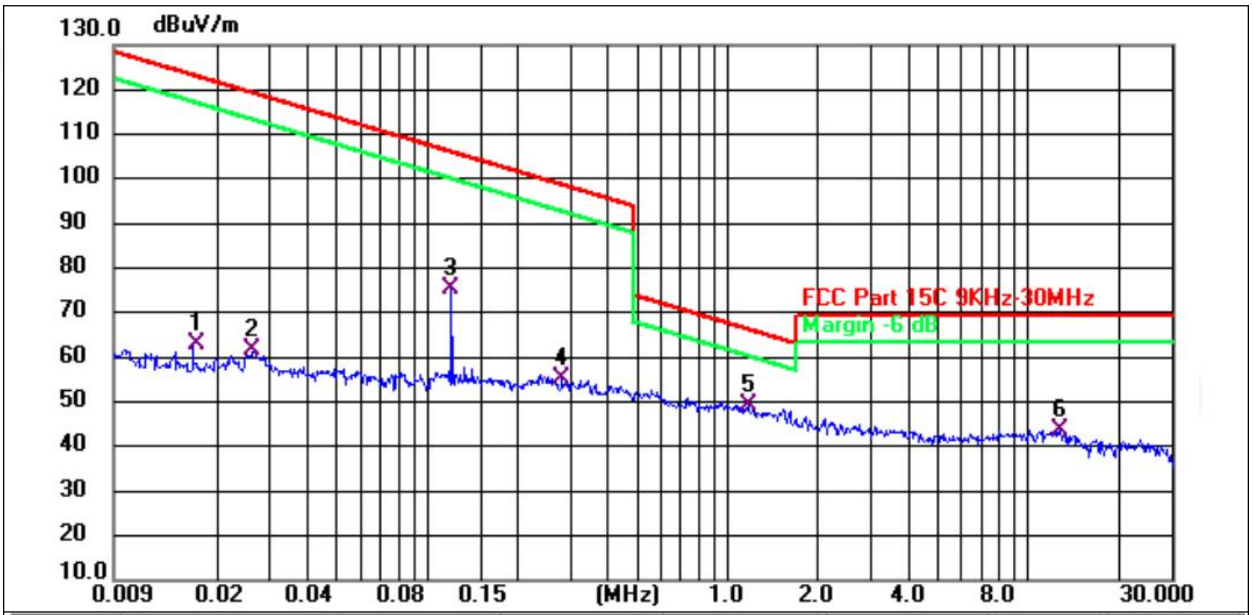
9 kHz~30 MHz

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	coaxial
Test Voltage:	AC 120V/60Hz	Test Modes:	Mode13



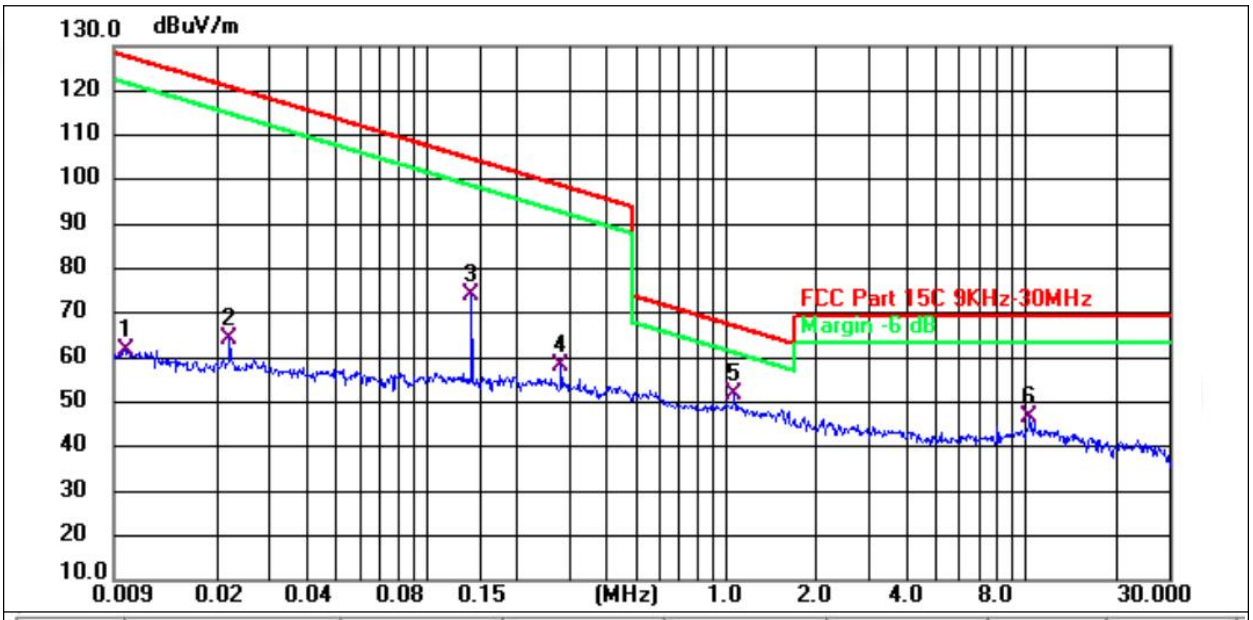
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.022	61.29	0.18	61.47	120.76	-59.29	QP
2	0.120	77.10	0.16	77.26	106.02	-28.76	QP
3	0.141	67.36	0.16	67.52	104.62	-37.10	QP
4	0.322	62.47	0.77	63.24	97.45	-34.21	QP
5 *	1.052	51.07	2.21	53.28	67.16	-13.88	QP
6	5.202	36.41	10.70	47.11	69.54	-22.43	QP

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	coaxial
Test Voltage:	AC 120V/60Hz	Test Modes:	Mode1



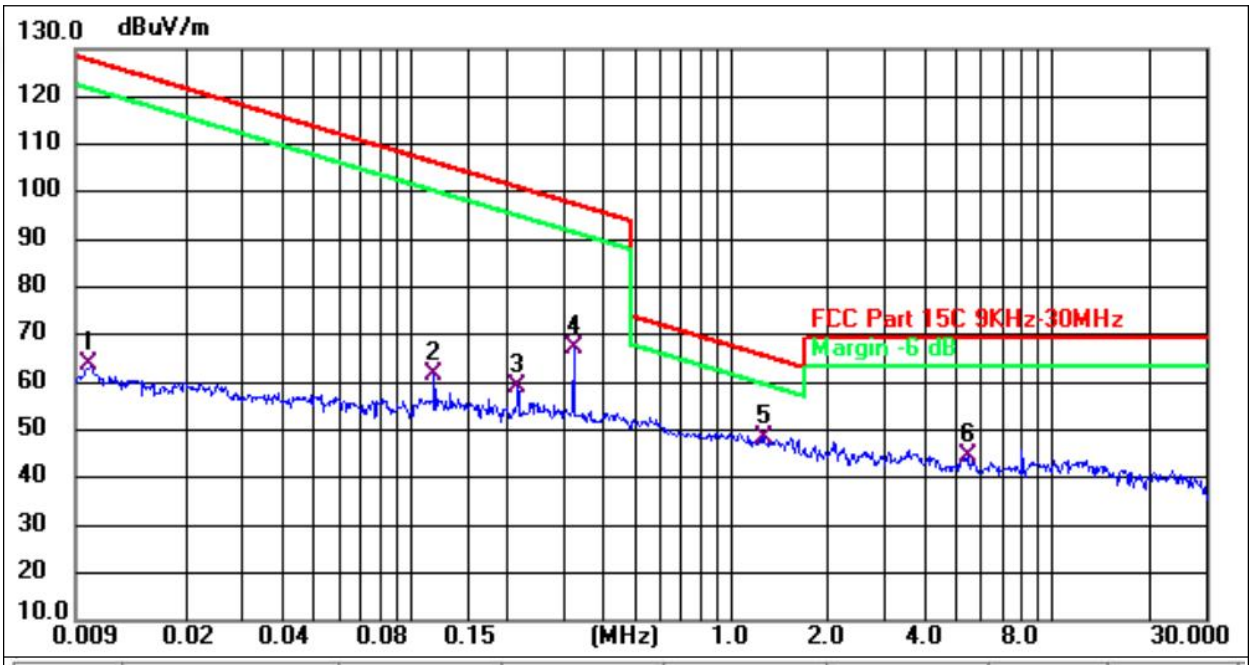
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.017	62.79	0.18	62.97	123.00	-60.03	QP
2	0.026	61.34	0.18	61.52	119.31	-57.79	QP
3	0.120	75.10	0.16	75.26	106.02	-30.76	QP
4	0.281	54.43	0.70	55.13	98.63	-43.50	QP
5 *	1.169	46.75	2.46	49.21	66.25	-17.04	QP
6	12.697	44.48	-0.67	43.81	69.54	-25.73	QP

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	coaxial
Test Voltage:	AC 120V/60Hz	Test Modes:	Mode5



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.010	61.30	0.18	61.48	127.60	-66.12	QP
2	0.022	64.12	0.18	64.30	120.76	-56.46	QP
3	0.141	73.86	0.16	74.02	104.63	-30.61	QP
4	0.281	57.43	0.70	58.13	98.63	-40.50	QP
5 *	1.061	49.56	2.23	51.79	67.09	-15.30	QP
6	10.283	51.58	-4.94	46.64	69.54	-22.90	QP

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	coaxial
Test Voltage:	AC 120V/60Hz	Test Modes:	Mode8



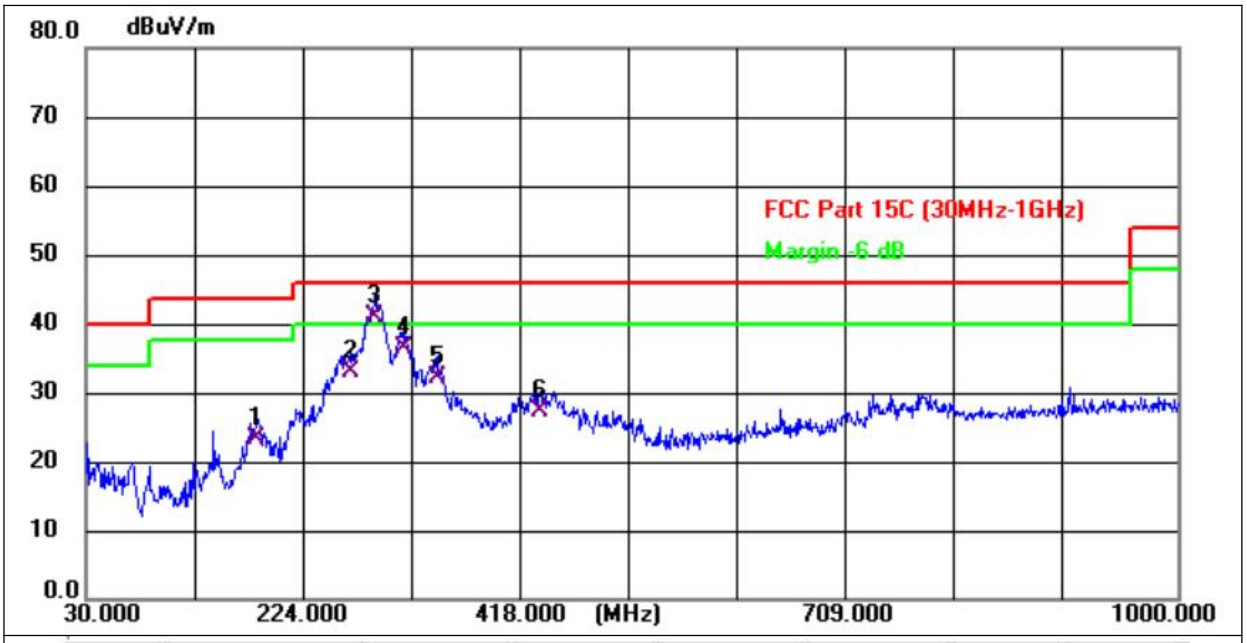
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.010	63.44	0.18	63.62	127.60	-63.98	QP
2	0.118	61.36	0.16	61.52	106.17	-44.65	QP
3	0.215	58.39	0.57	58.96	100.96	-42.00	QP
4	0.322	66.47	0.77	67.24	97.45	-30.21	QP
5 *	1.258	45.68	2.64	48.32	65.61	-17.29	QP
6	5.417	33.53	11.15	44.68	69.54	-24.86	QP

Remarks:

Pre-scan in the all of mode, the worst case in of was recorded.
Factor = antenna factor + cable loss – pre-amplifier.
Emission Level = Meter Reading - Factor
Margin = Emission Level- Limit.
The amplitude of emissions which are attenuated by more than 20db below the permissible value has no need to be reported.

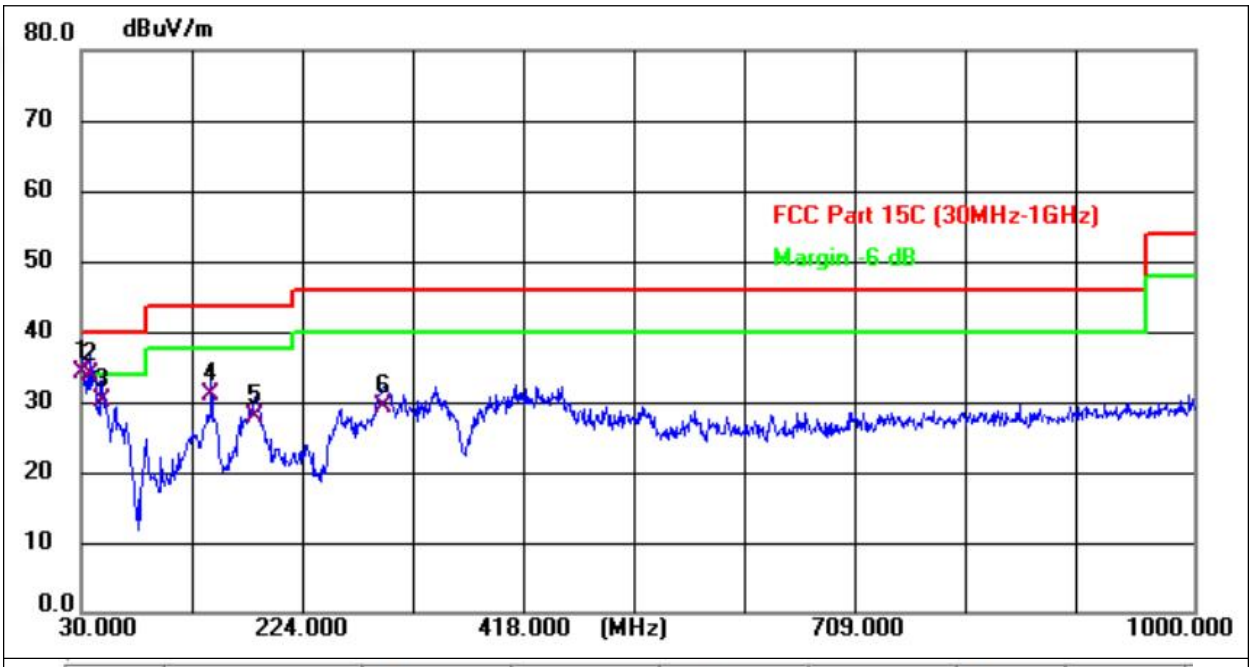
30MHz-1GHz

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



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	182.290	35.56	-12.34	23.22	43.50	-20.28	QP
2	264.740	42.09	-8.95	33.14	46.00	-12.86	QP
3 *	287.050	49.65	-8.51	41.14	46.00	-4.86	QP
4	312.270	44.29	-7.97	36.32	46.00	-9.68	QP
5	342.340	39.47	-7.28	32.19	46.00	-13.81	QP
6	433.520	32.61	-5.34	27.27	46.00	-18.73	QP

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



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	30.970	42.37	-8.26	34.11	40.00	-5.89	QP
2	38.730	42.28	-8.51	33.77	40.00	-6.23	QP
3	48.430	39.36	-9.22	30.14	40.00	-9.86	QP
4	143.490	44.79	-13.88	30.91	43.50	-12.59	QP
5	181.320	40.19	-12.40	27.79	43.50	-15.71	QP
6	292.870	37.66	-8.39	29.27	46.00	-16.73	QP

Remarks:
1. Factor = Antenna Factor + Cable Loss – Preamplifier Factor
2. Level = Reading + Factor
3. Margin = Emission Level- Limit.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

6. BANDWIDTH TEST

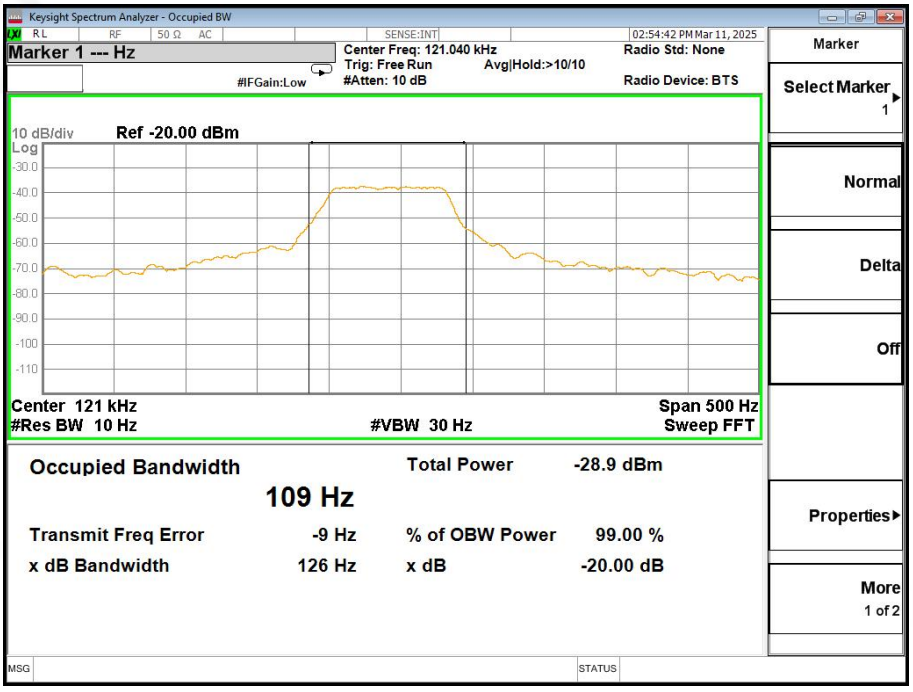
1. Set RBW = 10 Hz
2. Set the video bandwidth (VBW) ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

TEST SETUP

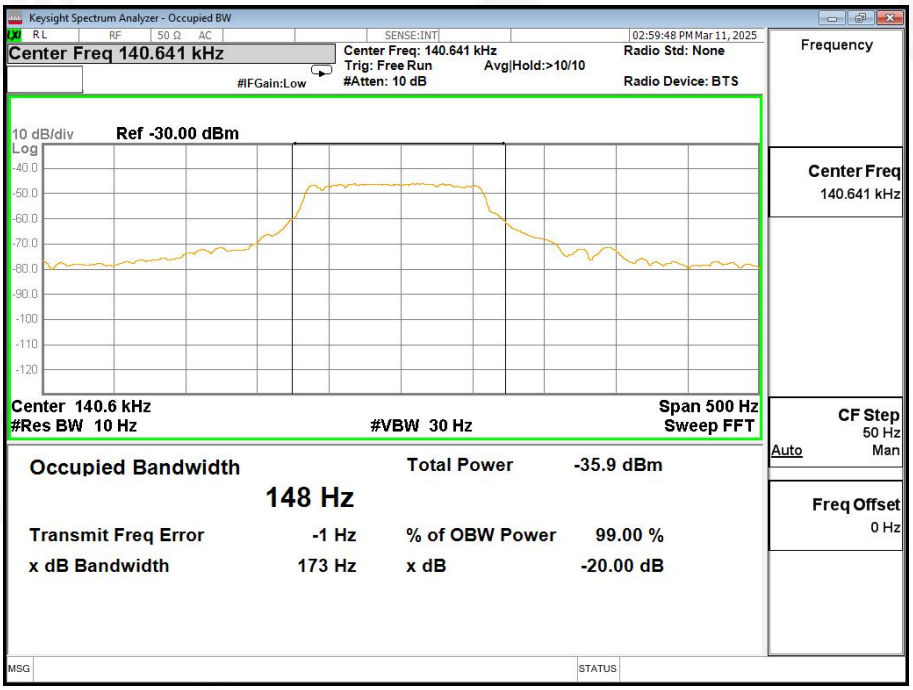
Temperature:	25.7 ℃	Relative Humidity:	55%
Pressure:	101kPa		

	Frequency (KHz)	20dB bandwidth (KHz)	Result
Mobile Phone	121	0.126	Pass
Earphone	140.6	0.173	Pass
Watch	320.1	0.243	Pass

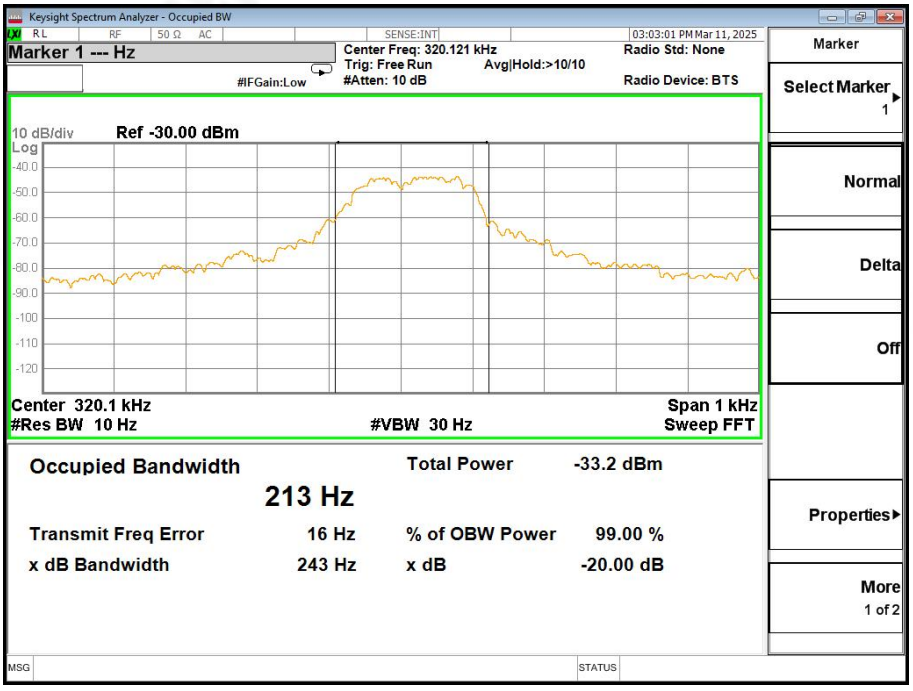
Mobile Phone



Earphone Antenna



Watch Antenna



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 Coil Antenna, the best case gain of the antennas is 0dBi, reference to the appendix II for details	

7. TEST SETUP PHOTO

Reference to the appendix I for details.

8. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

※※※※※ END OF REPORT ※※※※※