FCC TEST REPORT
FCC ID:2BB8Q-Y21MAX

Applicant:	Shenzhen Yixing Electronic Technology Co., Ltd.
Address:	7th Floor, Building 5, Baokun Industrial Zone, Dalang Street, Longhua New District, Shenzhen
Manufacturer:	Shenzhen Yixing Electronic Technology Co., Ltd.
Address:	7th Floor, Building 5, Baokun Industrial Zone, Dalang Street, Longhua New District, Shenzhen
EUT:	6-in-1 Wireless Charger
Trade Mark:	N/A
Model Number:	Y21 MAX Y21
Date of Receipt:	May 27, 2025
Test Date:	May 27, 2025 - Jun. 11, 2025
Date of Report:	Jun. 11, 2025
Prepared By:	Shenzhen DL Testing Technology Co., Ltd.
Address:	101-201, Building C, Shuanghuan, No.8, Baoqing Roa Baolong Industrial Zone, Baolong Street, Longgang Shenzhen, Guangdong, China
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247 ANSI C63.10:2013
Test Result:	Pass
Report Number:	DLE-250616003R

Prepared (Test Engineer):	Dimon Tan
Reviewer (Supervisor):	Jack Bu
Approved (Manager):	Jade Yang

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.

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1. VERSION

Report No.	Version	Description	Approved
DLE-250616003R	Rev.01	Initial issue of report	Jun. 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

Test lab: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Roa Baolong Industrial Zone, Baolong Street, Longgang Shenzhen, Guangdong, China

FCC Test Firm Registration Number: 854456
Designation Number: CN1307
IC Registered No.: 27485
CAB ID.: CN0118

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	3m camber Radiated spurious emission(9KHz-30MHz)	U=4.5dB
2	3m camber 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=1.8dB
10	RF Power Spectral Density	U=1.75dB
11	humidity uncertainty	U=5.3%
12	Temperature uncertainty	U=0.59℃

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	6-in-1 Wireless Charger
Model No.:	Y21 MAX
Serial No.:	Y21
Model Difference:	Only the appearance color of the product is different
Hardware version:	V1.0
Software version:	V1.0
Operation Frequency:	Phone/Earphone:110kHz~148kHz Watch:300kHz~350kHz
Modulation type:	ASK
Antenna Type:	ANT 1&2&3: Loop Coil Antenna
Antenna gain:	ANT 1&2&3: 0dBi
Ratings:	Input: 9V⎓3A Output: Type-c: 10W Output: 5W/7.5W/10W/15W for Phone 3W for Watch 5W for Earphone
Test description:	Battery⩾98%, =50%and ⩽1% are tested, and the worst is ⩽1%.

3.2 TEST MODE

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

a.EUT mode of operation before folding:

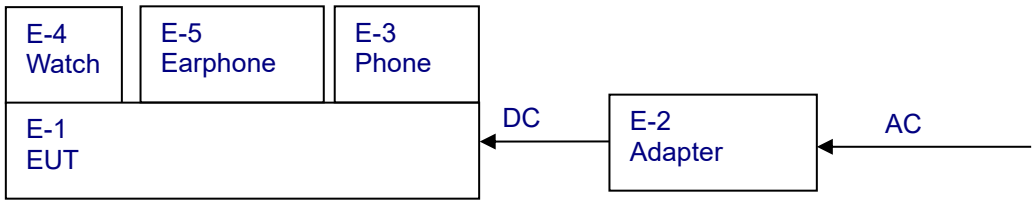
Test Modes:	Test Coil:	Description:
Mode 1	ANT 1	AC/DC Adapter (9V/3A) + EUT + Phone (Battery Status: <1%)
Mode 2		AC/DC Adapter (9V/3A) + EUT + Phone (Battery Status: 50%)
Mode 3		AC/DC Adapter (9V/3A) + EUT + Phone (Battery Status: >98%)
Mode 4	ANT 2	AC/DC Adapter (9V/3A) + EUT + Earphone (Battery Status: <1%)
Mode 5		AC/DC Adapter (9V/3A) + EUT + Earphone (Battery Status: 50%)
Mode 6		AC/DC Adapter (9V/3A) + EUT + Earphone (Battery Status: >98%)
Mode 7	ANT 3	AC/DC Adapter (9V/3A) + EUT + Watch (Battery Status: <1%)
Mode 8		AC/DC Adapter (9V/3A) + EUT + Watch (Battery Status: 50%)
Mode 9		AC/DC Adapter (9V/3A) + EUT + Watch (Battery Status: >98%)
Mode 10	ANT 1 + ANT2	AC/DC Adapter (9V/3A) + EUT + Phone + Earphone (Battery Status: <1%)
Mode 11		AC/DC Adapter (9V/3A) + EUT + Phone + Earphone (Battery Status: 50%)
Mode 12		AC/DC Adapter (9V/3A) + EUT + Phone + Earphone (Battery Status: >98%)
Mode 13	ANT 1 + ANT 3	AC/DC Adapter (9V/3A) + EUT + Phone + Watch (Battery Status: <1%)
Mode 14		AC/DC Adapter (9V/3A) + EUT + Phone + Watch (Battery Status: 50%)
Mode 15		AC/DC Adapter (9V/3A) + EUT + Phone + Watch (Battery Status: >98%)
Mode 16	ANT 2 + ANT 3	AC/DC Adapter (9V/3A) + EUT + Earphone + Watch (Battery Status: <1%)
Mode 17		AC/DC Adapter (9V/3A) + EUT + Earphone + Watch (Battery Status: 50%)
Mode 18		AC/DC Adapter (9V/3A) + EUT + Earphone + Watch (Battery Status: >98%)
Mode 19	ANT 1 + ANT 2 + ANT 3	AC/DC Adapter (9V/3A) + EUT + Phone + Earphone + Watch (Battery Status: <1%)
Mode 20		AC/DC Adapter (9V/3A) + EUT + Phone + Earphone + Watch (Battery Status: 50%)
Mode 21		AC/DC Adapter (9V/3A) + EUT + Phone + Earphone + Watch (Battery Status: >98%)

b.EUT mode of operation before folding:

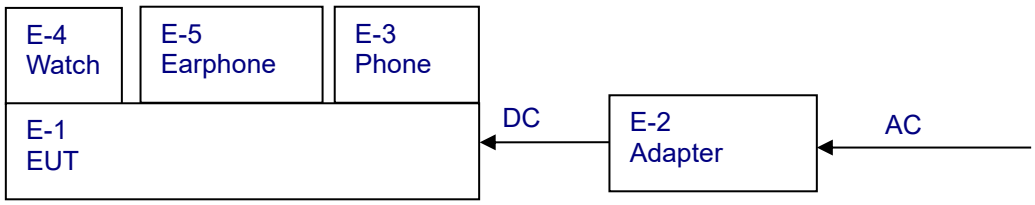
The EUT does not work properly.

3.3 BLOCK DIAGRAM OF EUT CONFIGURATION

Conducted Emission



Radiated Emission



3.4 TEST CONDITIONS

Temperature: 23~26℃

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	6-in-1 Wireless Charger	N/A	Y21 MAX	N/A	EUT
E-2	Power Adapter	Aohai	A895-200150C-CN1	N/A	Auxiliary
E-3	Phone	Apple	iPhone 13 Por Max	N/A	Auxiliary
E-4	Watch	Apple	iWatch SE	N/A	Auxiliary
E-5	Earphone	Apple	AirPods 2	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C1	NO	NO	0.8M	DC cable unshielded

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

Conduction Emissions Test

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	LISN	R&S	ENV216	101471	N/A	Sep. 30, 2024	Sep. 29, 2025
2	LISN	CYBERTEK	EM5040A	E1850400149	N/A	Sep. 30, 2024	Sep. 29, 2025
3	Test Cable	N/A	C-01	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
4	EMI Test Receiver	R&S	ESCI3	101393	4.42 SP3	Sep. 29, 2024	Sep. 28, 2025
5	EMC Software	Frad	EZ-EMC	Ver.EMC-CON 3A1.1	N/A	\	\

Radiation Emissions & Radiation Spurious 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	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	GQ7516	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	\	\

RF Conducted 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	GB40051203	B.03.84	Sep. 29, 2024	Sep. 28, 2025
7	Signal Generator	Agilent	N5182A	MY47420215	A.01.87	Sep. 29, 2024	Sep. 28, 2025
8	Magnetic Field Probe Tester	Narda	ELT-400	0-0344	N/A	Sep. 29, 2024	Sep. 28, 2025
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	10371	N/A	Sep. 29, 2024	Sep. 28, 2025
12	Power Meter	KEYSIGHT	N1912AP	926431	A.05.00	Sep. 29, 2024	Sep. 28, 2025
13	D.C. Power Supply	LongWei	TPR-6405D	GQ7516	N/A	Sep. 29, 2024	Sep. 28, 2025
14	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
	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.

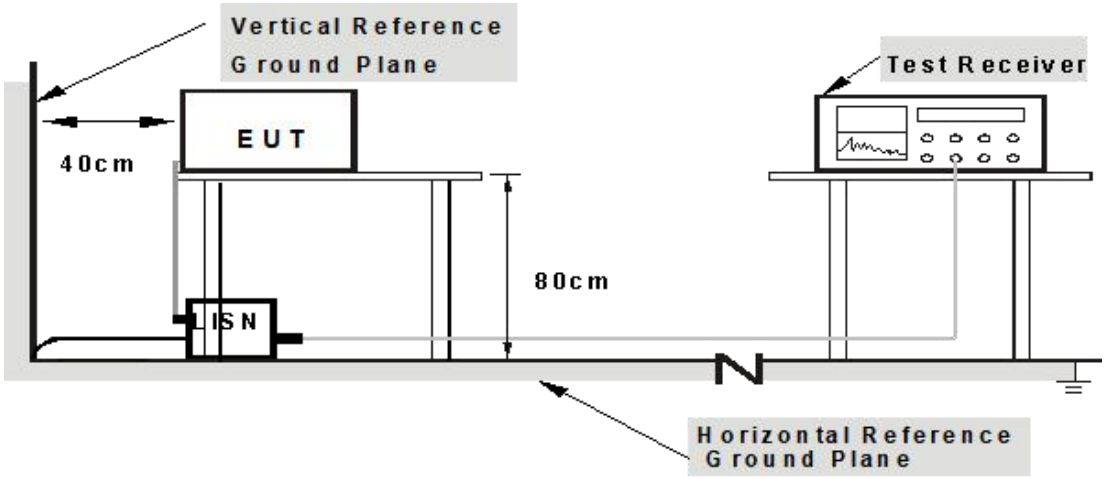
4.1.2 TEST PROCEDURE

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



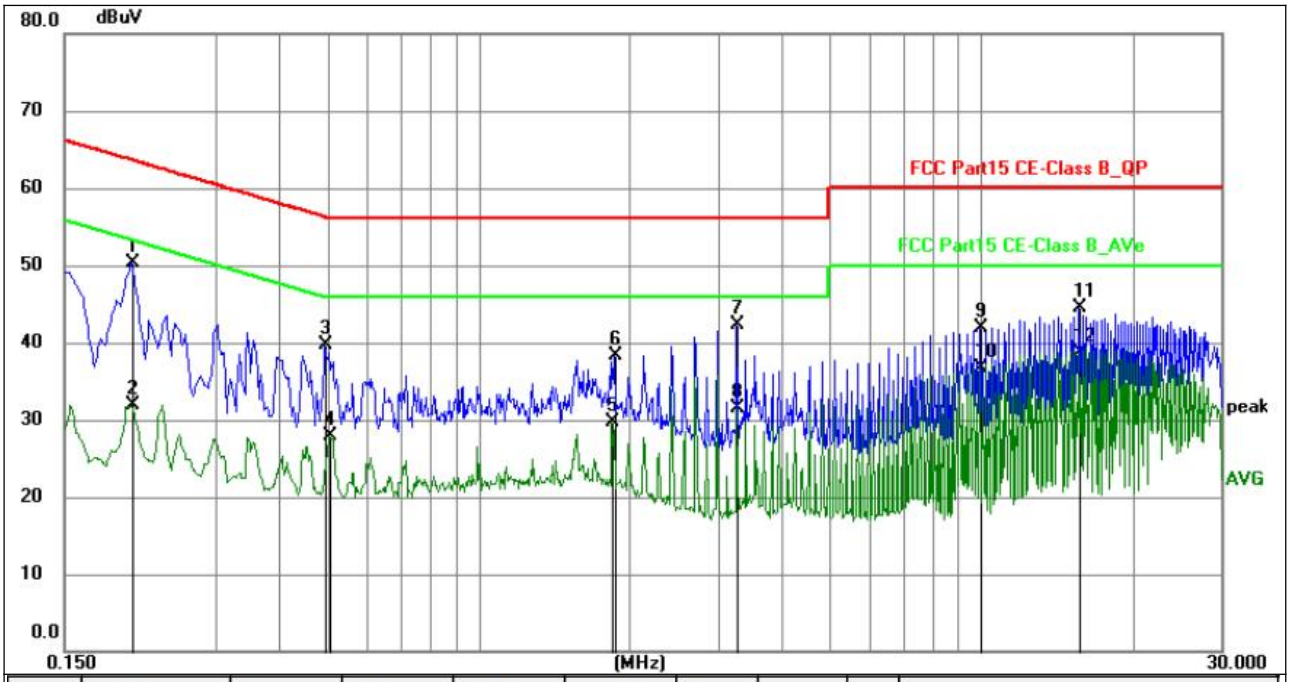
Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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

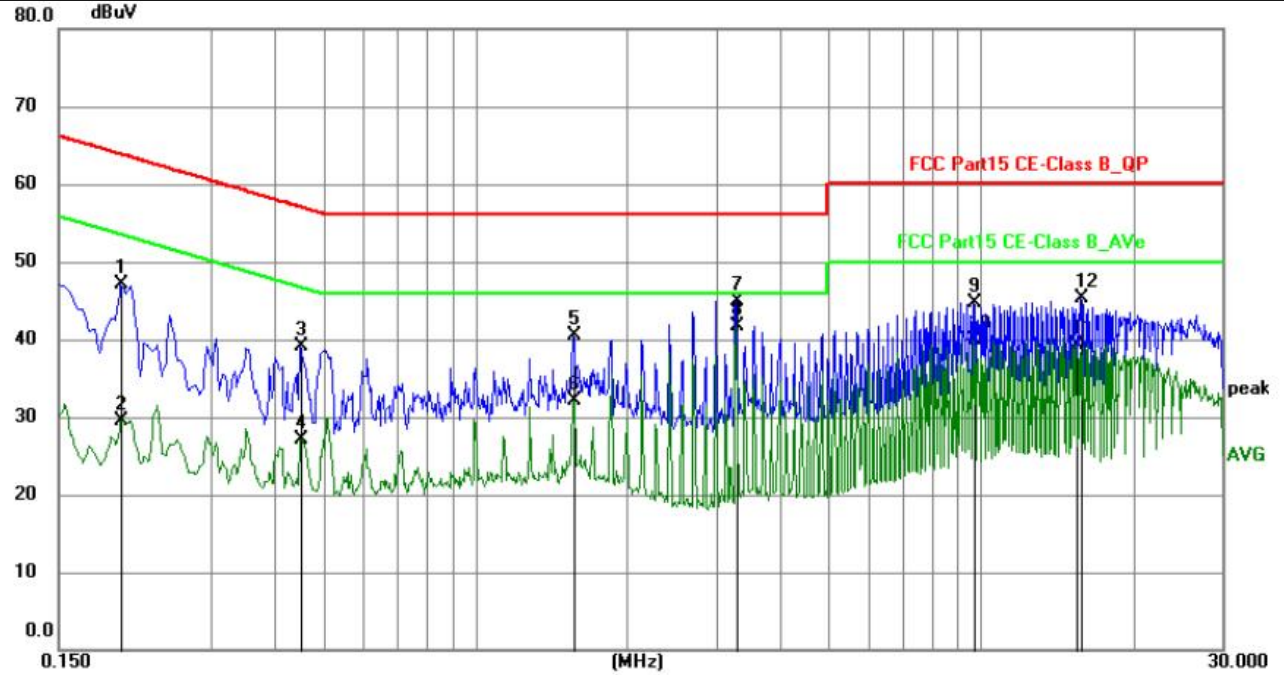
Temperature：	26℃	Relative Humidity：	54%
Pressure：	101kPa	Phase :	L
Test Voltage ：	AC 120V/60Hz	Test Mode:	Mode 19



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2040	29.84	20.38	50.22	63.45	-13.23	QP	P	
2	0.2040	11.44	20.38	31.82	53.45	-21.63	AVG	P	
3	0.4965	19.32	20.30	39.62	56.06	-16.44	QP	P	
4	0.5055	7.60	20.30	27.90	46.00	-18.10	AVG	P	
5	1.8464	9.39	20.31	29.70	46.00	-16.30	AVG	P	
6	1.8600	17.92	20.31	38.23	56.00	-17.77	QP	P	
7	3.2685	21.96	20.33	42.29	56.00	-13.71	QP	P	
8	3.2685	11.16	20.33	31.49	46.00	-14.51	AVG	P	
9	9.9555	21.52	20.46	41.98	60.00	-18.02	QP	P	
10	9.9555	16.32	20.46	36.78	50.00	-13.22	AVG	P	
11	15.6435	24.07	20.49	44.56	60.00	-15.44	QP	P	
12	15.6435	18.30	20.49	38.79	50.00	-11.21	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.Final Level = Reading level + Correct Factor.
4.Correct Factor = Lisn factor+ Cable loss factor + limiter factor.
5.Margin = Measurement Level-Limit.
6.All test modes were tested, with only the worst Mode 19 recorded.

Temperature：	26℃	Relative Humidity：	54%
Pressure：	101kPa	Phase :	N
Test Voltage ：	AC 120V/60Hz	Test Mode:	Mode 19



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1995	26.75	20.37	47.12	63.63	-16.51	QP	P	
2	0.1995	9.19	20.37	29.56	53.63	-24.07	AVG	P	
3	0.4515	18.80	20.31	39.11	56.85	-17.74	QP	P	
4	0.4515	6.89	20.31	27.20	46.85	-19.65	AVG	P	
5	1.5673	20.16	20.30	40.46	56.00	-15.54	QP	P	
6	1.5673	11.77	20.30	32.07	46.00	-13.93	AVG	P	
7	3.2910	24.56	20.32	44.88	56.00	-11.12	QP	P	
8	3.2910	21.42	20.32	41.74	46.00	-4.26	AVG	P	
9	9.6855	24.23	20.47	44.70	60.00	-15.30	QP	P	
10	9.6855	19.38	20.47	39.85	50.00	-10.15	AVG	P	
11	15.4455	18.76	20.50	39.26	50.00	-10.74	AVG	P	
12	15.7290	24.74	20.50	45.24	60.00	-14.76	QP	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.Final Level = Reading level + Correct Factor.
4.Correct Factor = Lisn factor+ Cable loss factor + limiter factor.
5.Margin = Measurement Level-Limit.
6.All test modes were tested, with only the worst Mode 19 recorded.

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

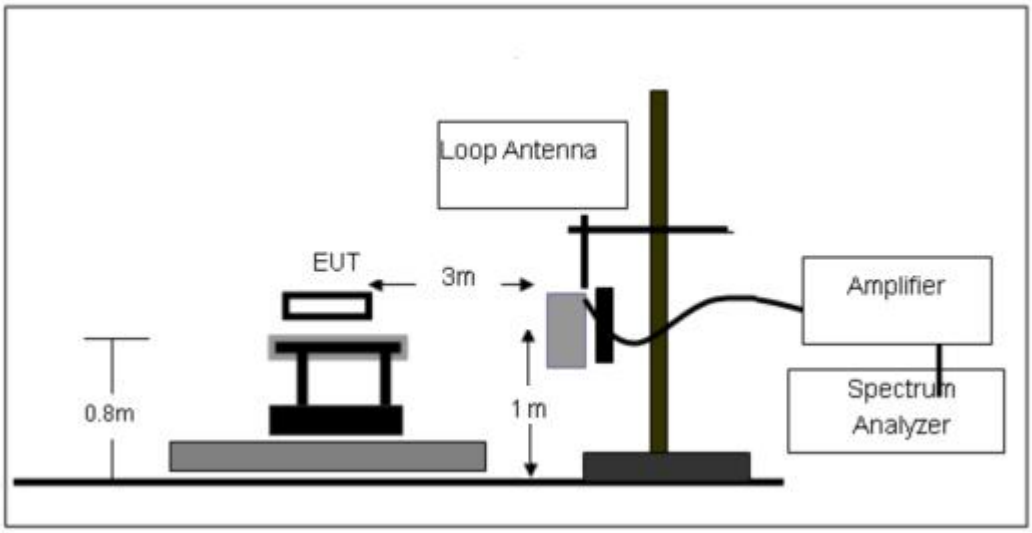
Frequency	Limit (uV/m)	Measurement Distance(m)	Remark
0.009-0.490	2400/F(kHz)	300	Quasi-peak Value
0.490-1.705	24000/F(kHz)	30	Quasi-peak Value
1.705-30	30	30	Quasi-peak Value

Limits for frequency Above 30MHz

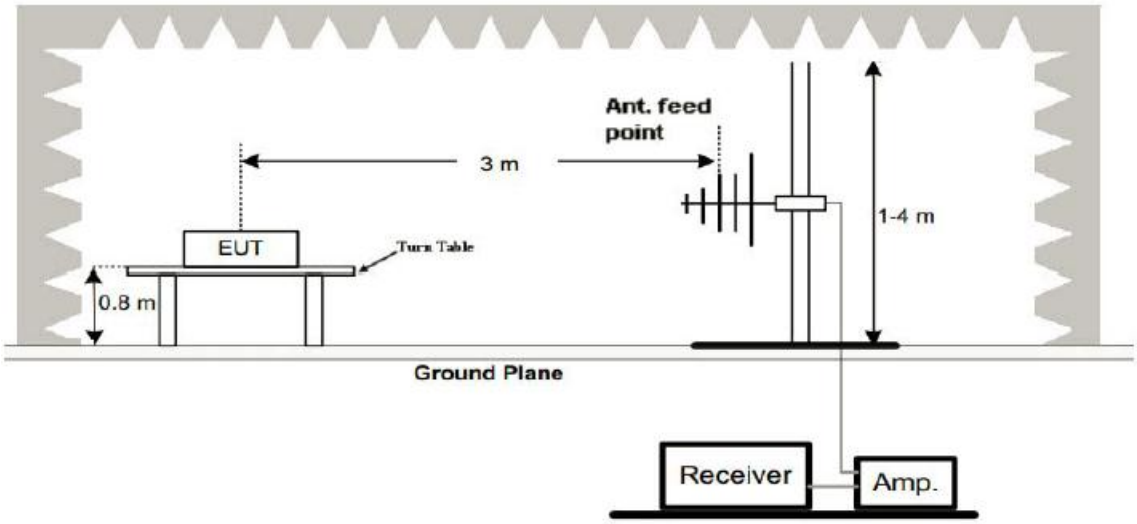
Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.00	Quasi-peak Value
88MHz-216MHz	43.50	Quasi-peak Value
216MHz-960MHz	46.00	Quasi-peak Value
960MHz-1GHz	54.00	Quasi-peak Value
Above 1GHz	54.00	Average Value
	74.00	Peak Value

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

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 below 1 GHz.

5.4 DEVIATION FROM TEST STANDARD

No deviation

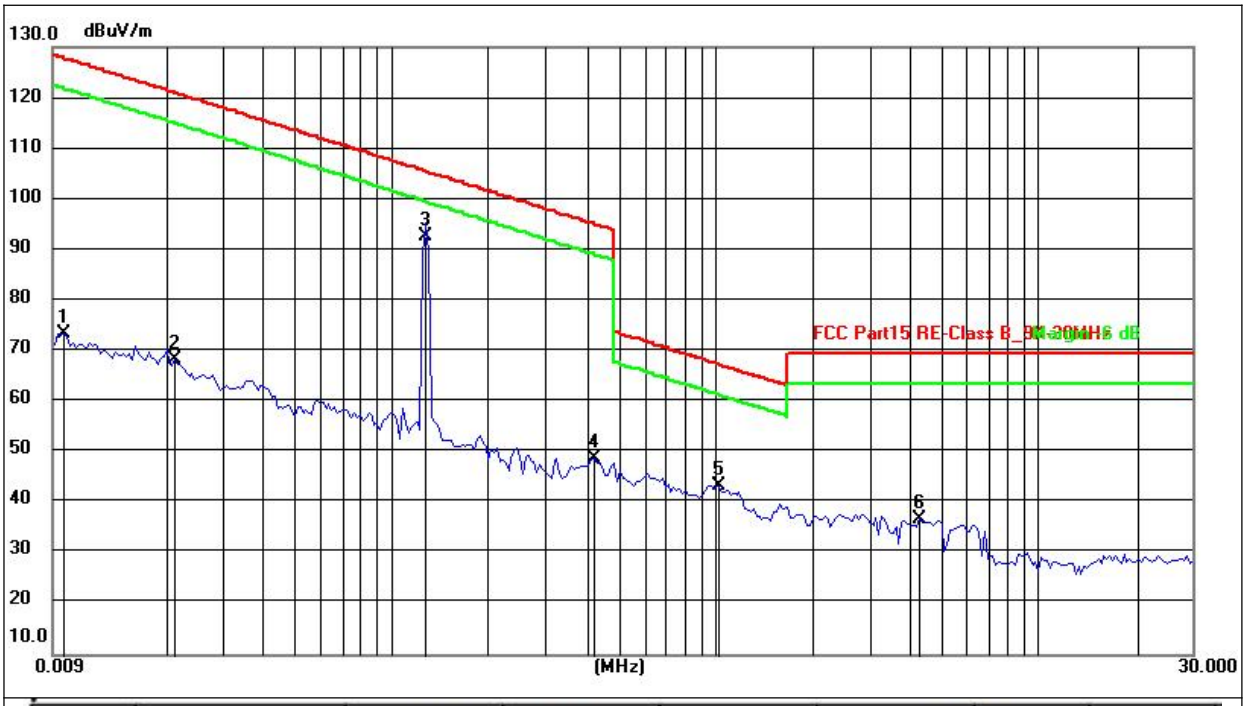
5.5 TEST RESULT

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:

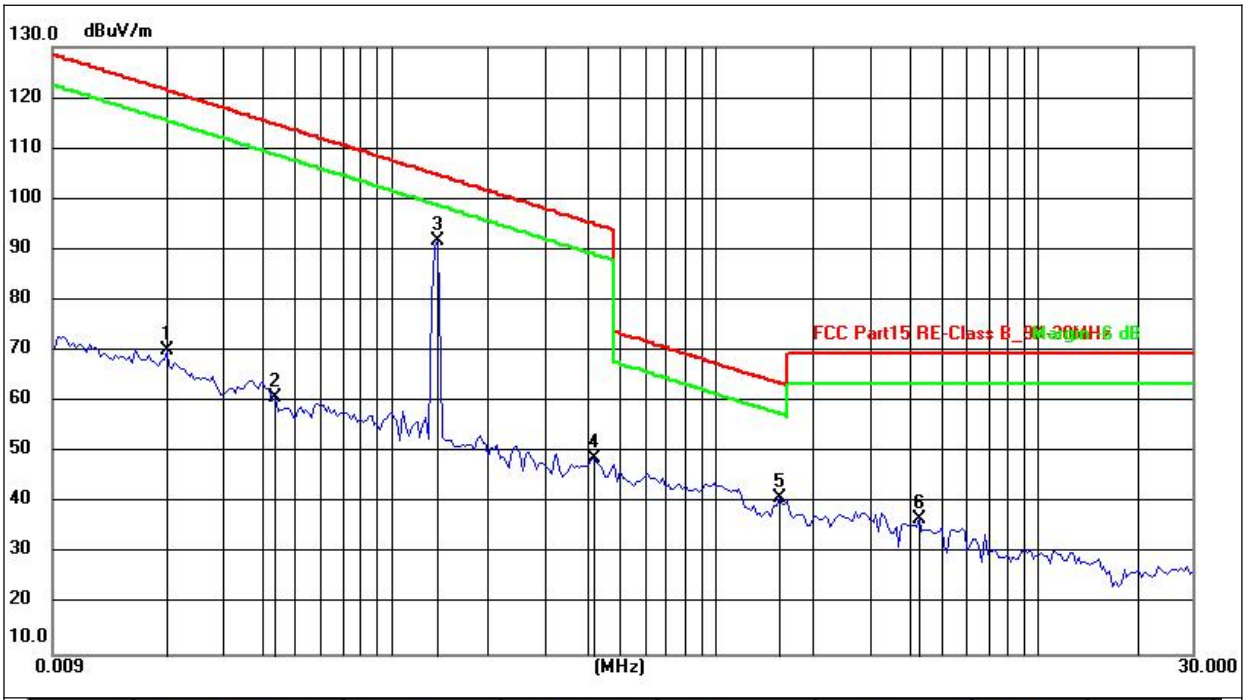
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	coaxial
Test Voltage:	DC 9V	Test Mode:	Mode 1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0097	73.45	0.05	73.50	127.87	-54.37	peak
2	0.0212	47.80	20.42	68.22	121.08	-52.86	peak
3	0.1280	72.58	19.93	92.51	105.46	-12.95	peak
4	0.4242	28.75	20.17	48.92	95.05	-46.13	peak
5	1.0354	23.51	19.94	43.45	67.30	-23.85	peak
6	4.2816	17.46	19.54	37.00	69.54	-32.54	peak

Remarks:
1.An initial pre-scan was performed on the peak detector.
2.Quasi-Peak measurement were performed at the frequencies with maximized peak emission.
3.The emission levels of other frequencies are very lower than the limit and not show in test report.
4.Final Level = Reading level + Correct Factor.
5.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6.Margin= Measurement Level-Limit.

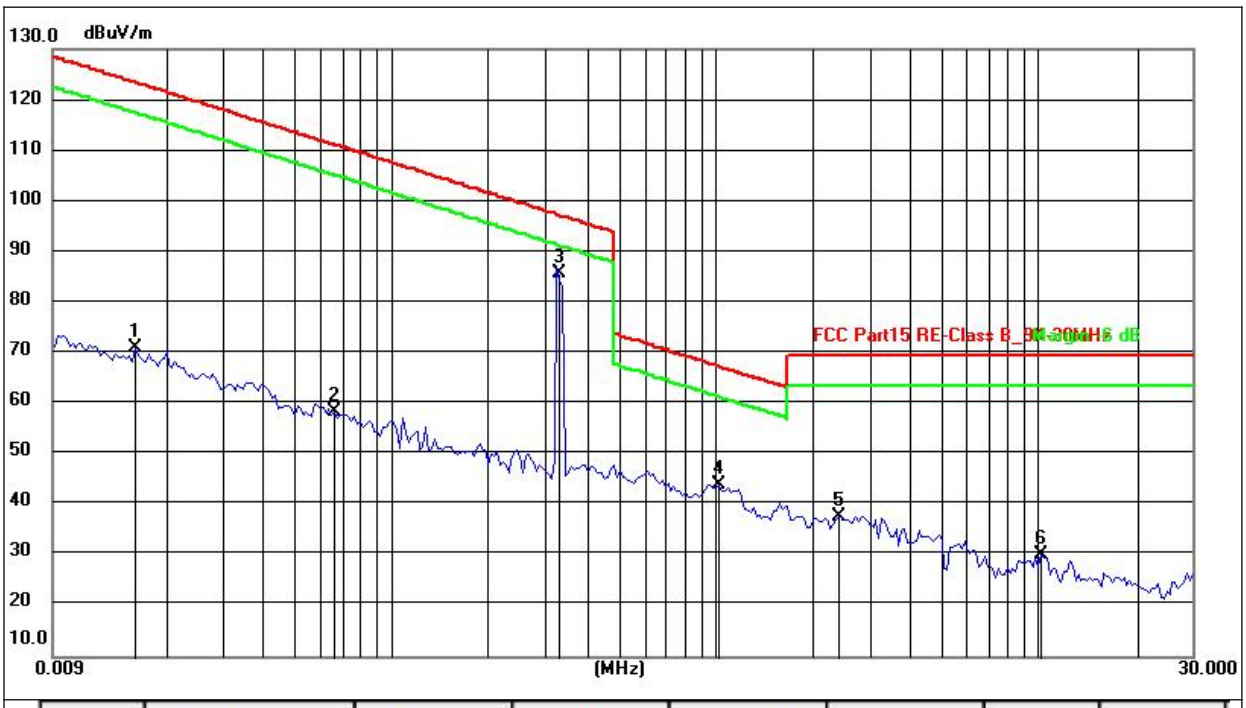
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	coaxial
Test Voltage:	DC 9V	Test Mode:	Mode 4



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0200	49.56	20.45	70.01	121.58	-51.57	peak
2	0.0437	40.84	19.90	60.74	114.79	-54.05	peak
3	0.1386	71.63	19.99	91.62	104.77	-13.15	peak
4	0.4242	28.75	20.17	48.92	95.05	-46.13	peak
5	1.5846	21.06	19.86	40.92	63.61	-22.69	peak
6	4.2816	17.46	19.54	37.00	69.54	-32.54	peak

Remarks:
1.An initial pre-scan was performed on the peak detector.
2.Quasi-Peak measurement were performed at the frequencies with maximized peak emission.
3.The emission levels of other frequencies are very lower than the limit and not show in test report.
4.Final Level = Reading level + Correct Factor.
5.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6.Margin= Measurement Level-Limit.

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	coaxial
Test Voltage:	DC 9V	Test Mode:	Mode 7

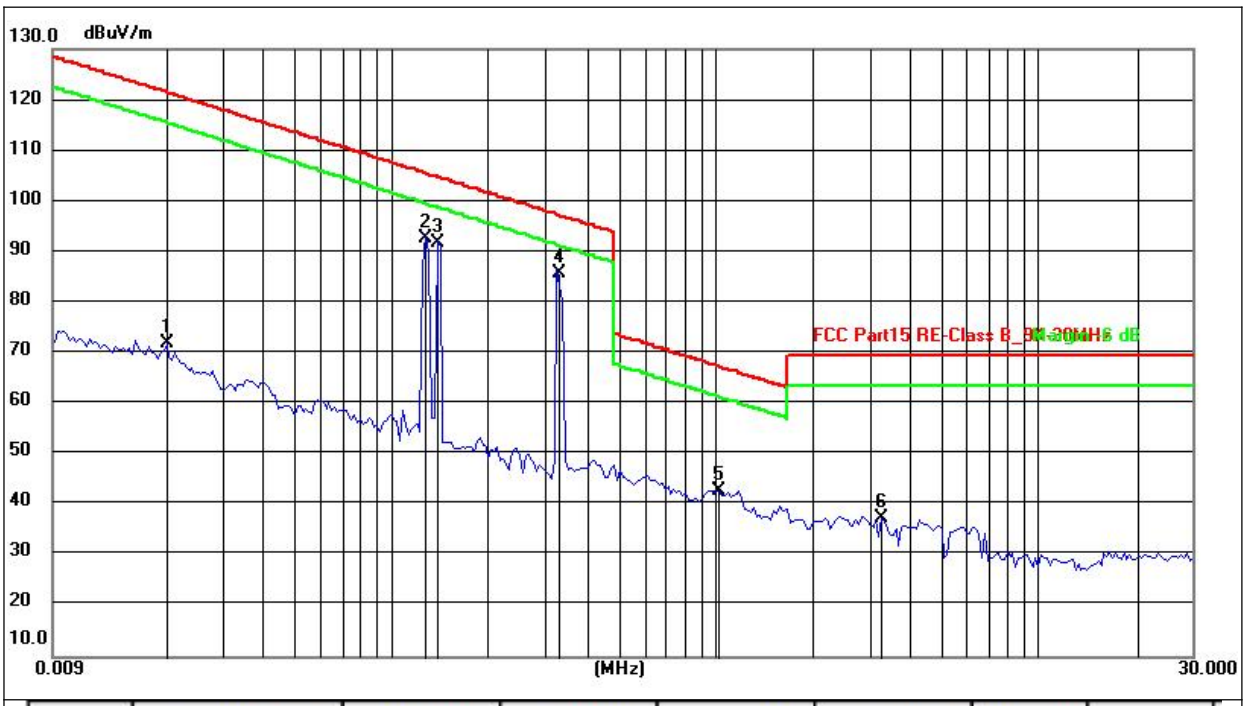


V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0160	50.57	20.49	71.06	123.52	-52.46	peak
2	0.0670	38.62	19.83	58.45	111.08	-52.63	peak
3	0.3274	65.61	20.13	85.74	97.30	-11.56	peak
4	1.0354	24.01	19.94	43.95	67.30	-23.35	peak
5	2.4266	18.02	19.73	37.75	69.54	-31.79	peak
6	10.2408	11.20	19.00	30.20	69.54	-39.34	peak

Remarks:
1.An initial pre-scan was performed on the peak detector.
2.Quasi-Peak measurement were performed at the frequencies with maximized peak emission.
3.The emission levels of other frequencies are very lower than the limit and not show in test report.
4.Final Level = Reading level + Correct Factor.
5.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6.Margin= Measurement Level-Limit.

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	coaxial
Test Voltage:	DC 9V	Test Mode:	Mode 19

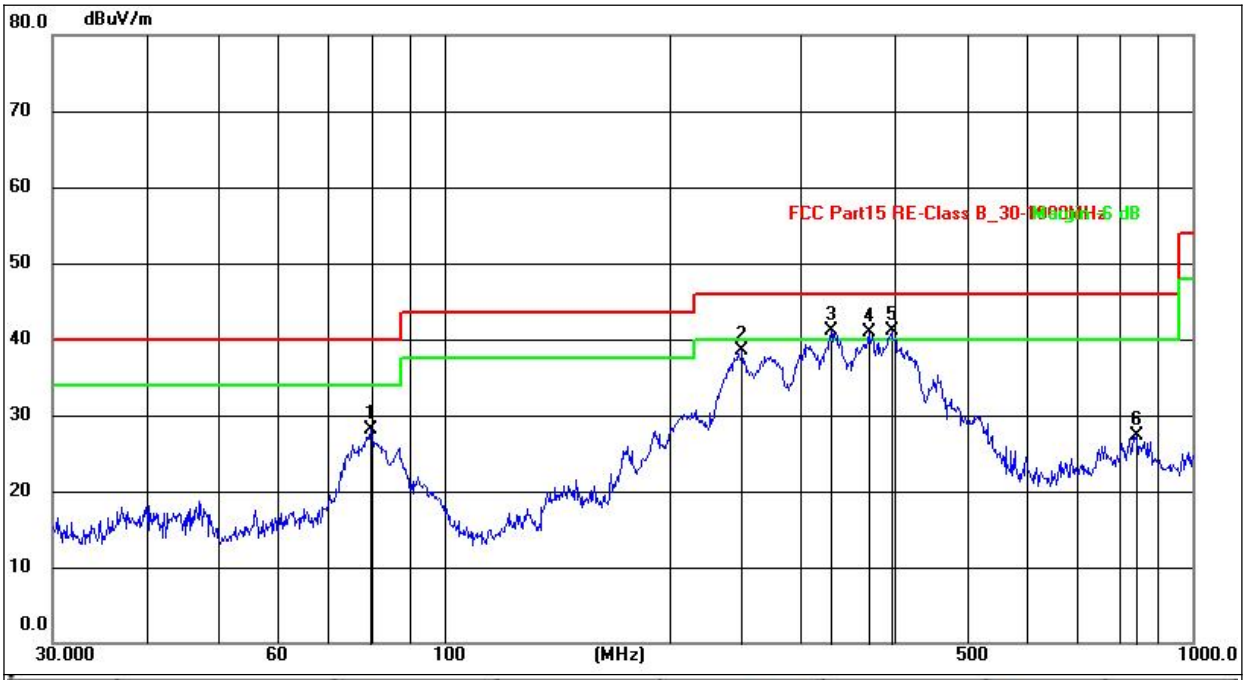


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0200	51.56	20.45	72.01	121.58	-49.57	peak
2	0.1280	72.58	19.93	92.51	105.46	-12.95	peak
3	0.1386	71.63	19.99	91.62	104.77	-13.15	peak
4	0.3274	65.61	20.13	85.74	97.30	-11.56	peak
5	1.0354	23.01	19.94	42.95	67.30	-24.35	peak
6	3.2894	17.82	19.63	37.45	69.54	-32.09	peak

Remarks:
1.An initial pre-scan was performed on the peak detector.
2.Quasi-Peak measurement were performed at the frequencies with maximized peak emission.
3.The emission levels of other frequencies are very lower than the limit and not show in test report.
4.Final Level = Reading level + Correct Factor.
5.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6.Margin= Measurement Level-Limit.

30MHz-1GHz

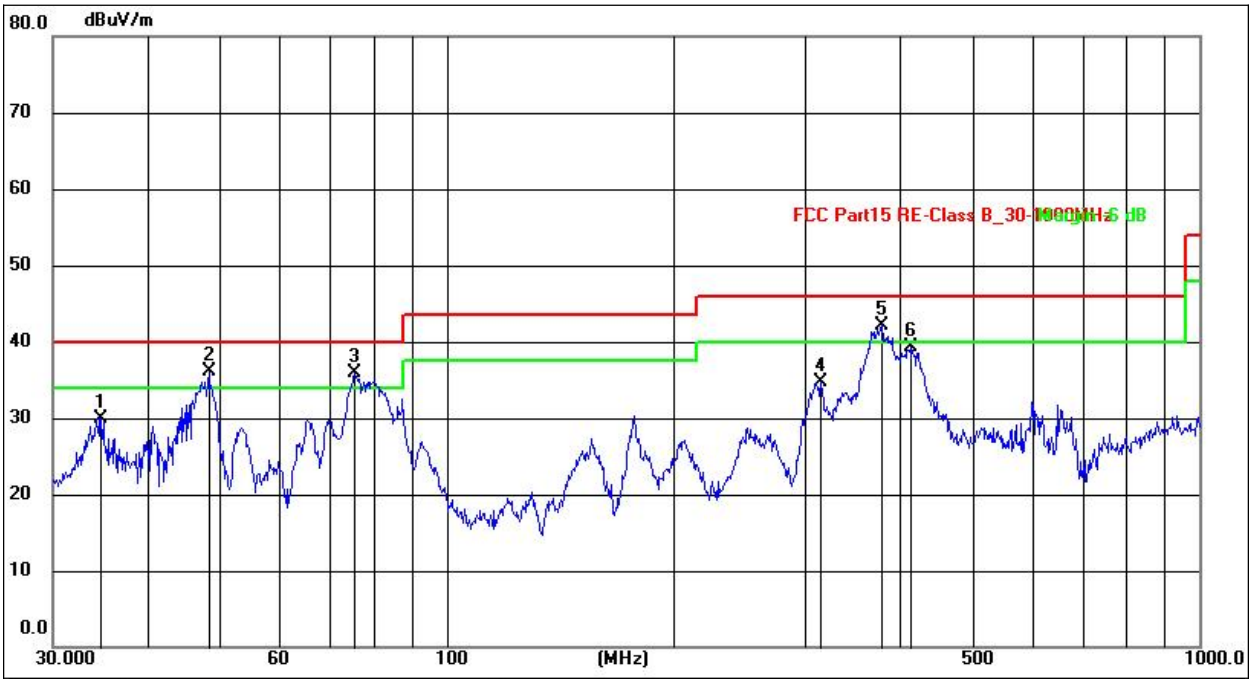
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 9V	Test Mode:	Mode 19



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	79.8002	47.34	-19.30	28.04	40.00	-11.96	QP
2	250.3011	54.09	-15.54	38.55	46.00	-7.45	QP
3	329.0390	57.48	-16.41	41.07	46.00	-4.93	QP
4	369.4047	57.02	-16.21	40.81	46.00	-5.19	QP
5	396.2415	57.19	-16.07	41.12	46.00	-4.88	QP
6	842.1296	34.05	-6.67	27.38	46.00	-18.62	QP

Remarks:
1.An initial pre-scan was performed on the peak detector.
2.Quasi-Peak measurement were performed at the frequencies with maximized peak emission.
3.The emission levels of other frequencies are very lower than the limit and not show in test report.
4.Final Level = Reading level + Correct Factor.
5.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6.Margin= Measurement Level-Limit.
7.All test modes were tested, with only the worst Mode 19 recorded.

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 9V	Test Mode:	Mode 19



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	34.7601	47.47	-17.55	29.92	40.00	-10.08	QP
2	48.3316	53.18	-17.12	36.06	40.00	-3.94	QP
3	75.4463	56.58	-20.61	35.97	40.00	-4.03	QP
4	314.3764	52.09	-17.42	34.67	46.00	-11.33	QP
5	378.5842	57.44	-15.24	42.20	46.00	-3.80	QP
6	413.2706	53.44	-14.05	39.39	46.00	-6.61	QP

Remarks:
1.An initial pre-scan was performed on the peak detector.
2.Quasi-Peak measurement were performed at the frequencies with maximized peak emission.
3.The emission levels of other frequencies are very lower than the limit and not show in test report.
4.Final Level = Reading level + Correct Factor.
5.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6.Margin= Measurement Level-Limit.
7.All test modes were tested, with only the worst Mode 19 recorded.

6. 20DB BANDWIDTH TEST

6.1 TEST PROCEDURE

1. Se span = 1.5 ~ 5 times OBW.
2. Set RBW= 1%~5% OBW.
3. Set the video bandwidth (VBW) ≥ 3 x RBW.
4. Detector = peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. 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.

6.2 LIMIT

N/A

6.3 TEST SETUP

6.4 DEVIATION FROM STANDARD

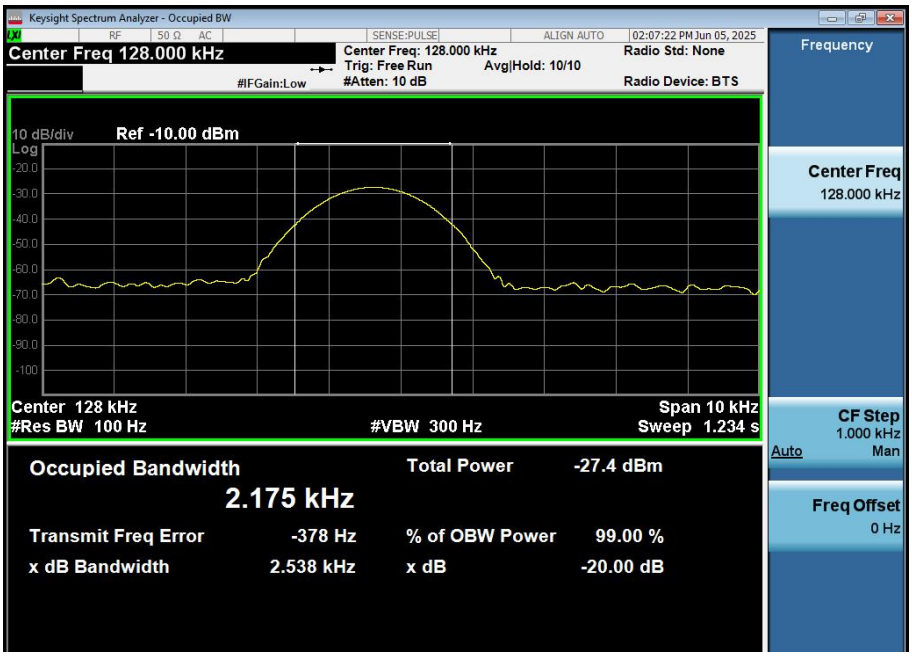
No deviation.

6.5 TEST RESULT

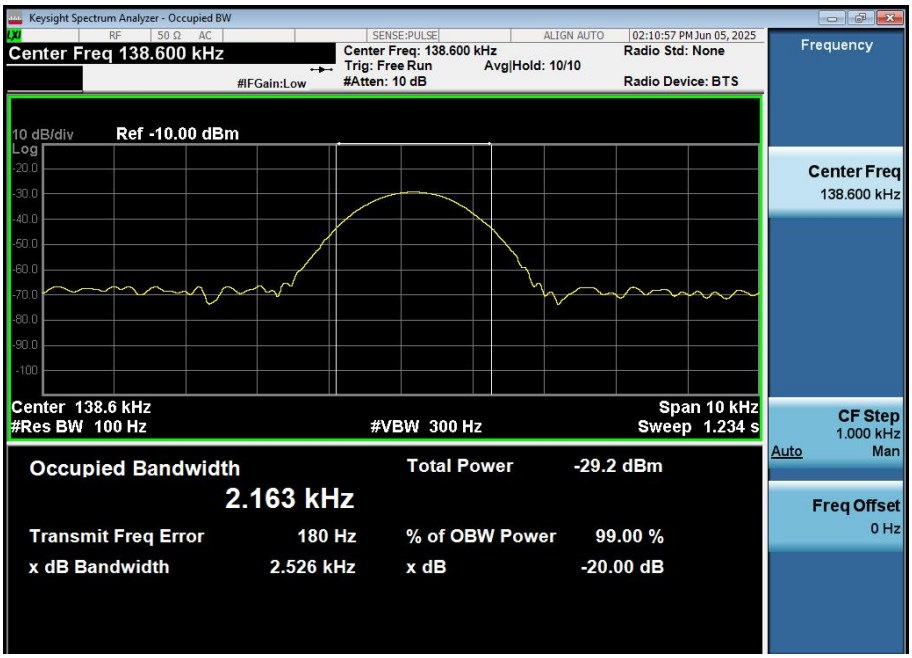
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 9V

Mode Configuration	Test Coil	Frequency (kHz)	20dB Bandwidth (kHz)	Result
Phone	ANT 1	128.00	2.538	Pass
Earphone	ANT 2	138.60	2.526	Pass
Watch	ANT 3	327.40	3.155	Pass

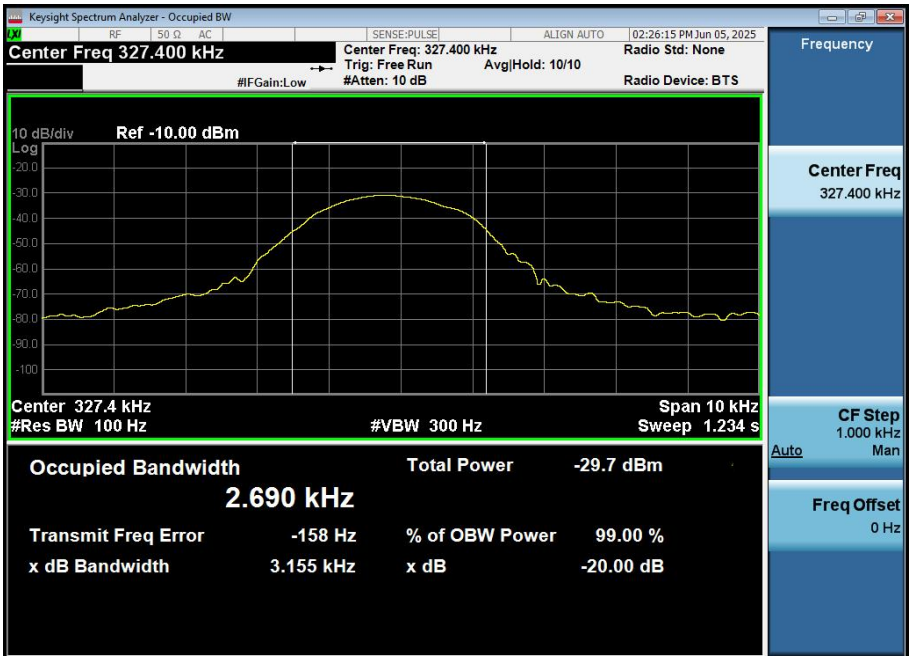
ANT 1:



ANT 2:


Keysight Spectrum Analyzer - Occupied BW
Center Freq 138.600 kHz
Center Freq: 138.600 kHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
02:10:57 PM Jun 05, 2025
Frequency
10 dB/div
Log
Ref -10.00 dBm
Center 138.6 kHz
#Res BW 100 Hz
#VBW 300 Hz
Span 10 kHz
Sweep 1.234 s
Occupied Bandwidth
2.163 kHz
Total Power
-29.2 dBm
Transmit Freq Error
180 Hz
% of OBW Power
99.00 %
x dB Bandwidth
2.526 kHz
x dB
-20.00 dB
Center Freq
138.600 kHz
CF Step
1.000 kHz
Auto
Man
Freq Offset
0 Hz

ANT 3:


Keysight Spectrum Analyzer - Occupied BW
Center Freq 327.400 kHz
Center Freq: 327.400 kHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
02:26:15 PM Jun 05, 2025
Frequency
10 dB/div
Log
Ref -10.00 dBm
Center 327.4 kHz
#Res BW 100 Hz
#VBW 300 Hz
Span 10 kHz
Sweep 1.234 s
Occupied Bandwidth
2.690 kHz
Total Power
-29.7 dBm
Transmit Freq Error
-158 Hz
% of OBW Power
99.00 %
x dB Bandwidth
3.155 kHz
x dB
-20.00 dB
Center Freq
327.400 kHz
CF Step
1.000 kHz
Auto
Man
Freq Offset
0 Hz

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 Coil 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 ※※※※※