FCC TEST REPORT

FCC ID:2BPN9-ISM6

Applicant:	**Milianet**
Address:	Apartment No 1-E, Building P. H. Gran Montecarlo, street 55, El Cangrejo, Bella Vista, Panama City,Panama 07096
Manufacturer:	**Dongguan Istyle Electronics Technology Co., Ltd**
Address:	3F,Building E,Nan an Industrial Park,Fenggang,Dongguan,China
EUT:	**Milianet power bank**
Trade Mark:	Milianet
Model Number:	IS-M6
Date of Receipt:	May. 09, 2025
Test Date:	May. 08, 2025 to May. 16, 2025
Date of Report:	May. 16, 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 15.231 ANSI C63.10:2013
Test Result:	Pass
Report Number:	DLE-250522010R

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.

TABLE OF CONTENTS

1. VERSION 3
2. TEST SUMMARY 4
2.1 TEST FACILITY 5
2.2 MEASUREMENT UNCERTAINTY 5
3. GENERAL INFORMATION 6
3.1 GENERAL DESCRIPTION OF EUT 6
3.2 TEST MODE 7
3.3 BLOCK DIAGRAM OF EUT CONFIGURATION 8
3.4 TEST CONDITIONS 9
3.5 DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE) 9
3.6 EQUIPMENTS LIST FOR ALL TEST ITEMS 10
4. CONDUCTED EMISSION TEST 12
4.1 CONDUCTED EMISSION MEASUREMENT 12
4.1.1 POWER LINE CONDUCTED EMISSION Limits 12
4.1.2 TEST PROCEDURE 12
4.1.3 DEVIATION FROM TEST STANDARD 12
4.1.4 TEST SETUP 13
4.1.5 EUT OPERATING CONDITIONS 13
4.1.6 TEST RESULT 14
5. RADIATED EMISSION MEASUREMENT 16
5.1 RADIATED EMISSION LIMITS 16
5.2 ANECHOIC CHAMBER TEST SETUP DIAGRAM 17
5.3 TEST PROCEDURE 18
5.4 DEVIATION FROM TEST STANDARD 18
5.5 TEST RESULT 19
6. 20DB BANDWIDTH TEST 25
6.1 TEST PROCEDURE 25
6.2 LIMIT 25
6.3 TEST SETUP 25
6.4 DEVIATION FROM STANDARD 25
6.5 TEST RESULT 26
7. ANTENNA REQUIREMENT 27
8. TEST SETUP PHOTO 28
9. EUT CONSTRUCTIONAL DETAILS 28

1. VERSION

Report No.	Version	Description	Approved
DLE-250522010R	Rev.01	Initial issue of report	May. 16, 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 DL Testing Technology Co., Ltd.
Add. : 101-201, Building C, Shuanghuan, No.8, Baoqing Roa Baolong Industrial Zone, Baolong Stree Longgang Shenzhen, Guangdong, China

FCC Test Firm Registration Number: 854456
Designation Number: CN1307
IC Registered No.: 27485
CAB identifier: 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 conducted Spurious Emission	U=2.2dB
7	RF Occupied Bandwidth	U=1.8MHz
8	humidity uncertainty	U=5.3%
9	Temperature uncertainty	U=0.59℃

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	Milianet power bank
Model No.:	IS-M6
Serial No.:	N/A
Model Difference:	N/A
Hardware Version:	V 1.0
Software Version:	V 1.1
Operation Frequency:	115kHz-205kHz
Modulation Type:	ASK
Antenna Type:	Loop Coil Antenna
Antenna Gain:	0dBi
Ratings:	Type-C Input: 5V⎓3A, 9V⎓2A, 12V⎓1.5A (18W) Type-C Output: 5V⎓3A, 9V⎓2.22A, 10V⎓2.25A (SCP), 12V⎓1.67A (MAX 22.5W) USB-A Output: 5V⎓3A, 9V⎓2A, 10V⎓2.25A, 12V⎓1.5A (MAX 22.5W) Wireless Output: 15W
Battery Capacity:	10000mAh/3.85V/38.5Wh
Transmitting Mode:	Keep the EUT in continuously wireless charging mode

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 AC/DC Adapter + Wireless charge output:

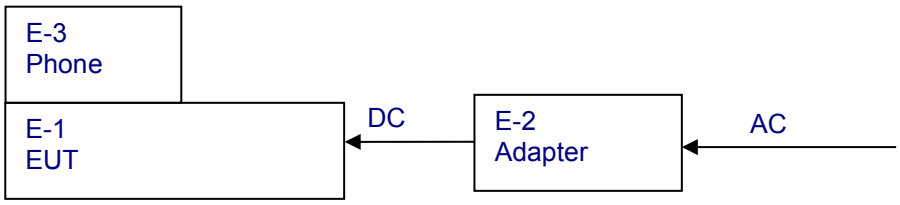
Test Modes:	Test Coil:	Description:
Mode 1	ANT 1	AC/DC Adapter (12V/1.5A) + EUT + Phone 15W (Battery Status: <1%)
Mode 2		AC/DC Adapter (12V/1.5A) + EUT + Phone 15W (Battery Status: 50%)
Mode 3		AC/DC Adapter (12V/1.5A) + EUT + Phone 15W (Battery Status: >98%)
Mode 4		AC/DC Adapter (9V/2A) + EUT + Phone 15W (Battery Status: <1%)
Mode 5		AC/DC Adapter (9V/2A) + EUT + Phone 15W (Battery Status: 50%)
Mode 6		AC/DC Adapter (9V/2A) + EUT + Phone 15W (Battery Status: >98%)
Mode 7		AC/DC Adapter (5V/3A) + EUT + Phone 15W (Battery Status: <1%)
Mode 8		AC/DC Adapter (5V/3A) + EUT + Phone 15W (Battery Status: 50%)
Mode 9		AC/DC Adapter (5V/3A) + EUT + Phone 15W (Battery Status: >98%)

b. EUT mode of wireless charge output:

Test Modes:	Test Coil:	Description:
Mode 1a	ANT 1	EUT + Phone 15W (Battery Status: <1%)
Mode 2a		EUT + Phone 15W (Battery Status: 50%)
Mode 3a		EUT + Phone 15W (Battery Status: >98%)

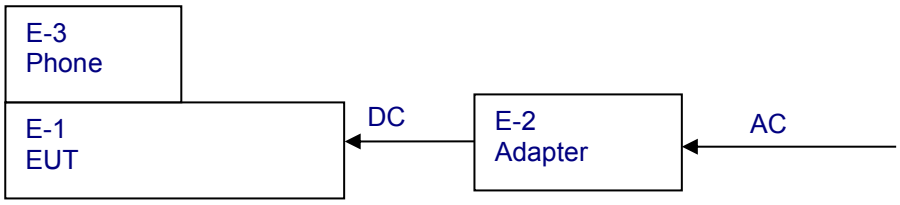
3.3 BLOCK DIAGRAM OF EUT CONFIGURATION

Conducted Emission



Radiated Emission

A:



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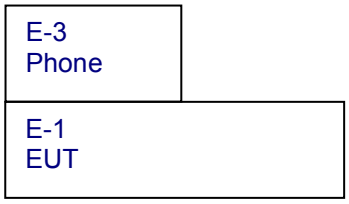


3.4 TEST CONDITIONS

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	Milianet power bank	Milianet	IS-M6	N/A	EUT
E-2	AC/DC Adapter	HUAWEI	HW-200200CP1	N/A	Auxiliary
E-3	Phone	APPLE	iPhone 13 Pro	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-CO N 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/M-1752	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	D.C. Power Supply	LongWei	TPR-6405D	GQ7516	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
	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.

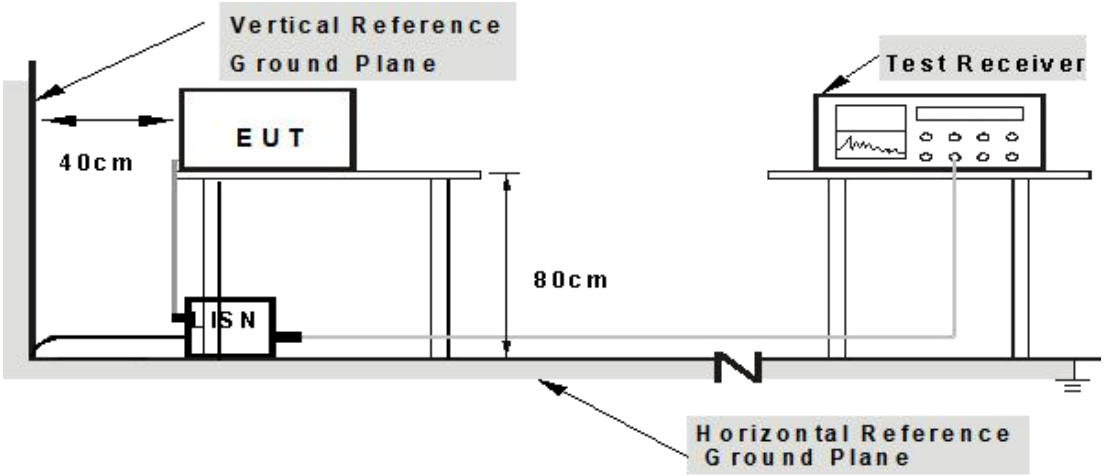
4.1.2 TEST PROCEDURE

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



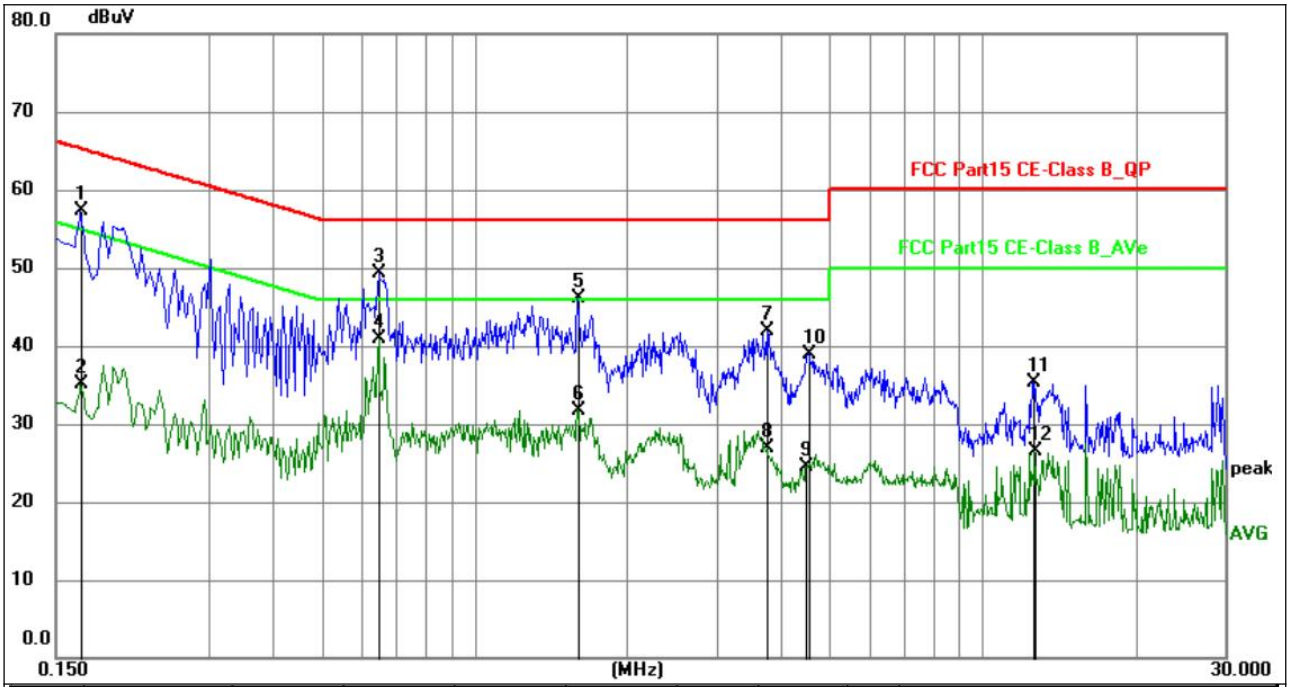
Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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

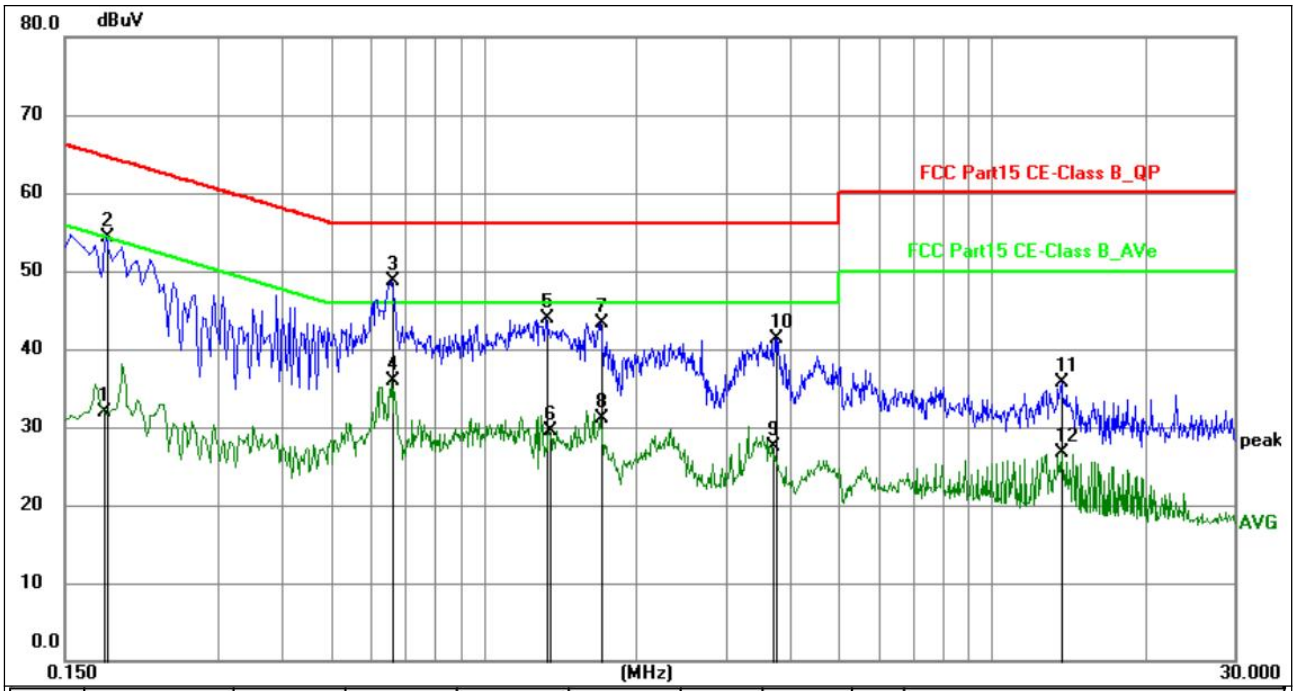
Temperature :	26℃	Relative Humidity :	54%
Pressure :	101kPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1680	37.10	20.25	57.35	65.06	-7.71	QP	P	
2	0.1680	14.87	20.25	35.12	55.06	-19.94	AVG	P	
3	0.6493	29.08	20.29	49.37	56.00	-6.63	QP	P	
4	0.6493	20.58	20.29	40.87	46.00	-5.13	AVG	P	
5	1.5988	25.73	20.30	46.03	56.00	-9.97	QP	P	
6	1.5988	11.50	20.30	31.80	46.00	-14.20	AVG	P	
7	3.7725	21.60	20.34	41.94	56.00	-14.06	QP	P	
8	3.7725	6.64	20.34	26.98	46.00	-19.02	AVG	P	
9	4.4925	4.18	20.35	24.53	46.00	-21.47	AVG	P	
10	4.5465	18.51	20.35	38.86	56.00	-17.14	QP	P	
11	12.5700	14.86	20.47	35.33	60.00	-24.67	QP	P	
12	12.6870	5.95	20.47	26.42	50.00	-23.58	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 1 recorded.

Temperature :	26℃	Relative Humidity :	54%
Pressure :	101kPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1796	11.68	20.29	31.97	54.50	-22.53	AVG	P	
2	0.1815	34.01	20.30	54.31	64.42	-10.11	QP	P	
3	0.6585	28.33	20.29	48.62	56.00	-7.38	QP	P	
4	0.6585	15.54	20.29	35.83	46.00	-10.17	AVG	P	
5	1.3245	23.52	20.31	43.83	56.00	-12.17	QP	P	
6	1.3470	9.10	20.31	29.41	46.00	-16.59	AVG	P	
7	1.7025	22.98	20.30	43.28	56.00	-12.72	QP	P	
8	1.7025	10.84	20.30	31.14	46.00	-14.86	AVG	P	
9	3.7050	7.15	20.33	27.48	46.00	-18.52	AVG	P	
10	3.7410	21.02	20.33	41.35	56.00	-14.65	QP	P	
11	13.7670	15.29	20.49	35.78	60.00	-24.22	QP	P	
12	13.7670	6.12	20.49	26.61	50.00	-23.39	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 1 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

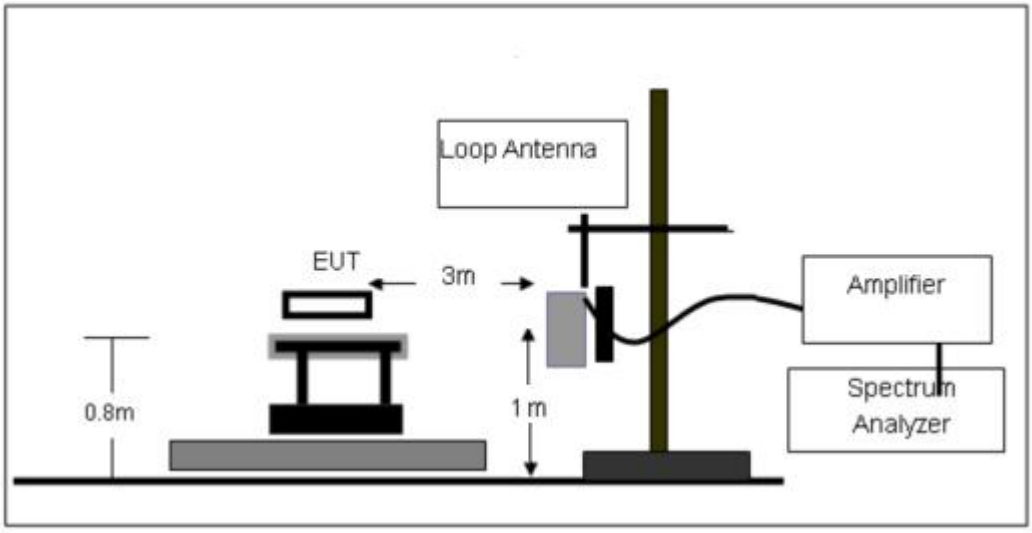
Frequency	Limit (uV/m)	Measurement Distance(m)	Remark
0.009-0.490	2400/F(kHz)	300	Quasi-peak Value
0.490-1.705	24000/F(kHz)	30	Quasi-peak Value
1.705-30	30	30	Quasi-peak Value

Limits for frequency Above 30MHz

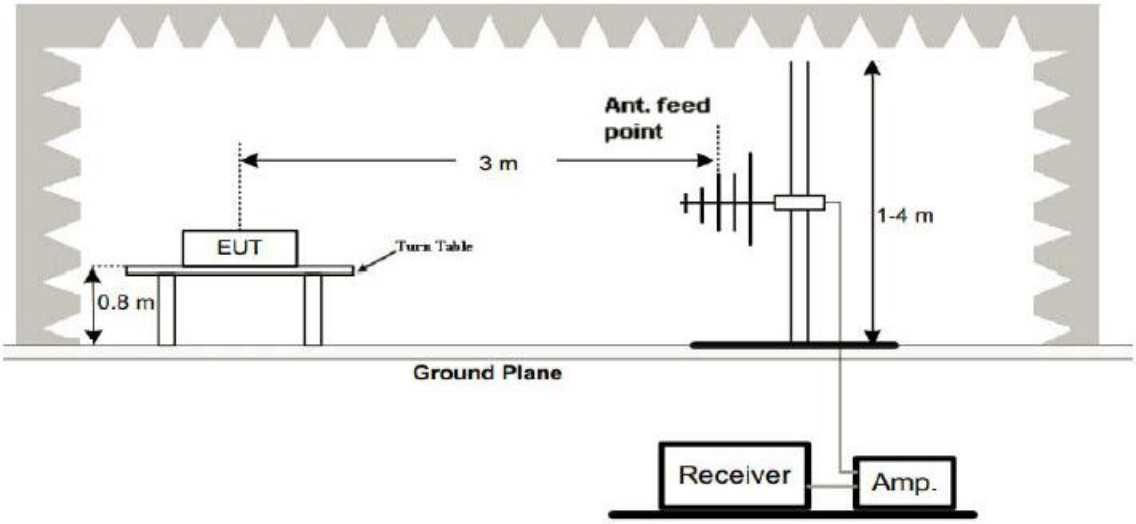
Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.00	Quasi-peak Value
88MHz-216MHz	43.50	Quasi-peak Value
216MHz-960MHz	46.00	Quasi-peak Value
960MHz-1GHz	54.00	Quasi-peak Value
Above 1GHz	54.00	Average Value
	74.00	Peak Value

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

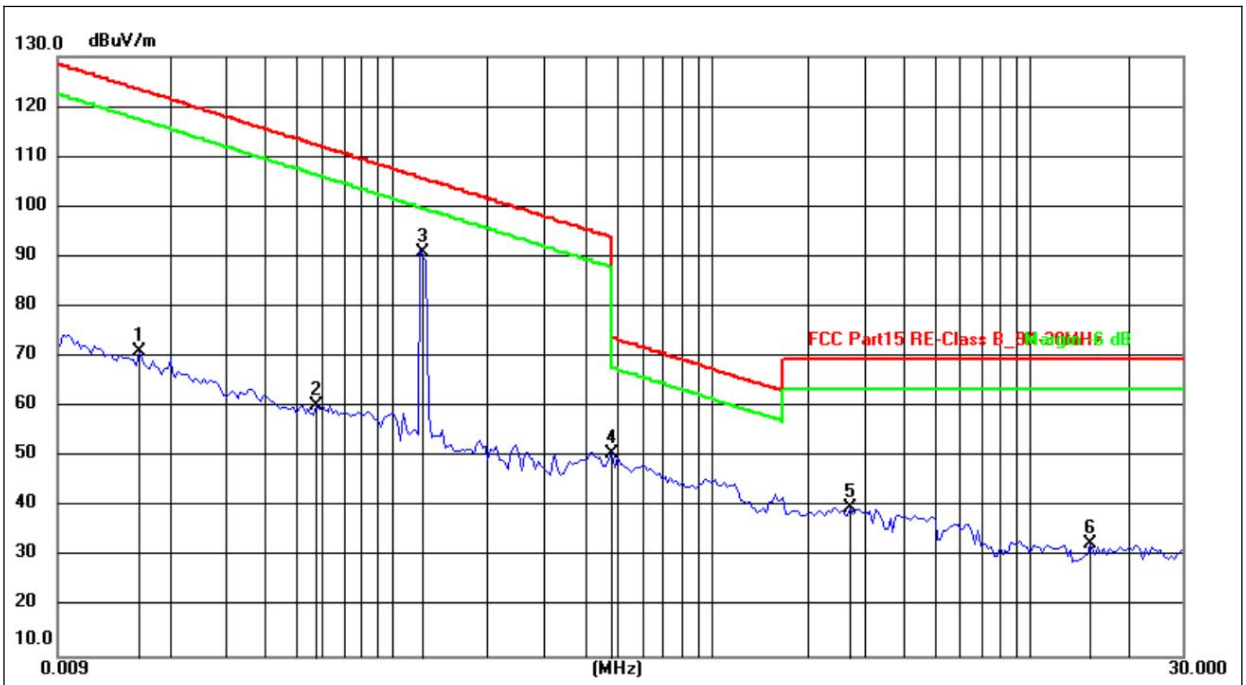
5.5 TEST RESULT

Measurement data:

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

A: 9 kHz~30 MHz

Temperature :	26℃	Relative Humidity :	54%
Pressure :	101 kPa	Polarization :	coaxial
Test Voltage :	DC 12V	Test Mode :	Mode 1

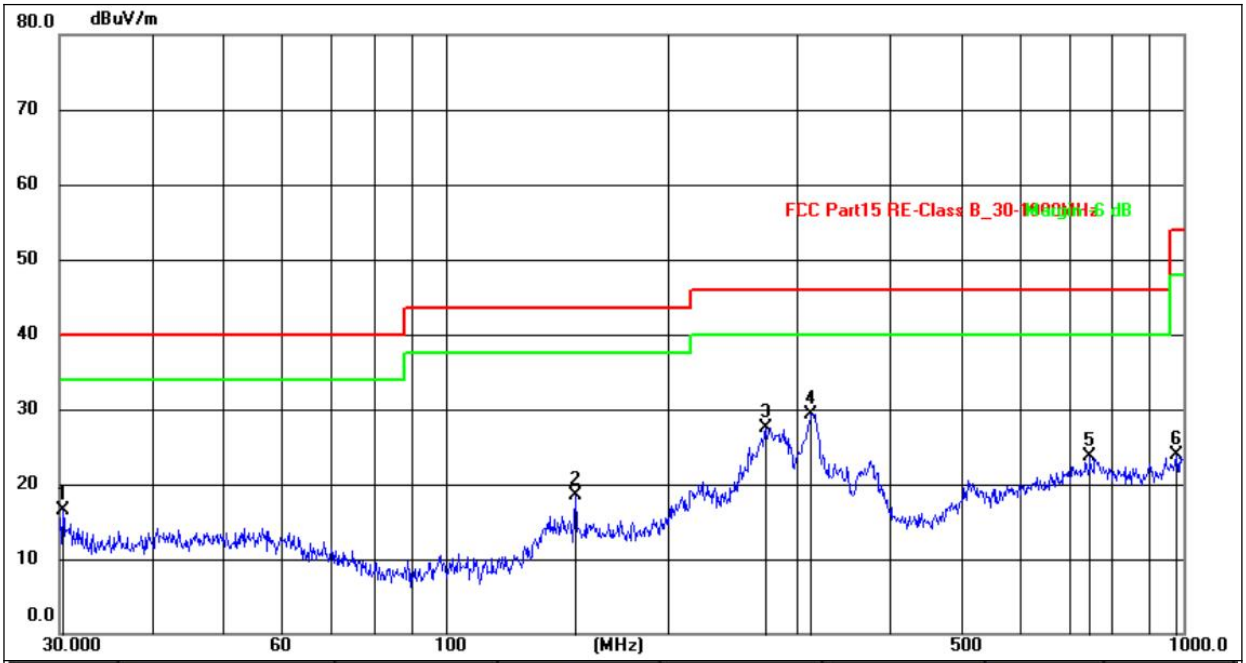


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0160	50.57	20.49	71.06	123.52	-52.46	peak
2	0.0580	40.61	19.78	60.39	112.34	-51.95	peak
3	0.1240	70.86	19.90	90.76	105.74	-14.98	peak
4	0.4889	30.35	20.20	50.55	93.82	-43.27	peak
5	2.7406	20.01	19.69	39.70	69.54	-29.84	peak
6	15.3632	13.70	18.89	32.59	69.54	-36.95	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.Final Level = Reading level + Correct Factor.
4.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
5.Margin= Measurement Level-Limit.

30MHz-1GHz

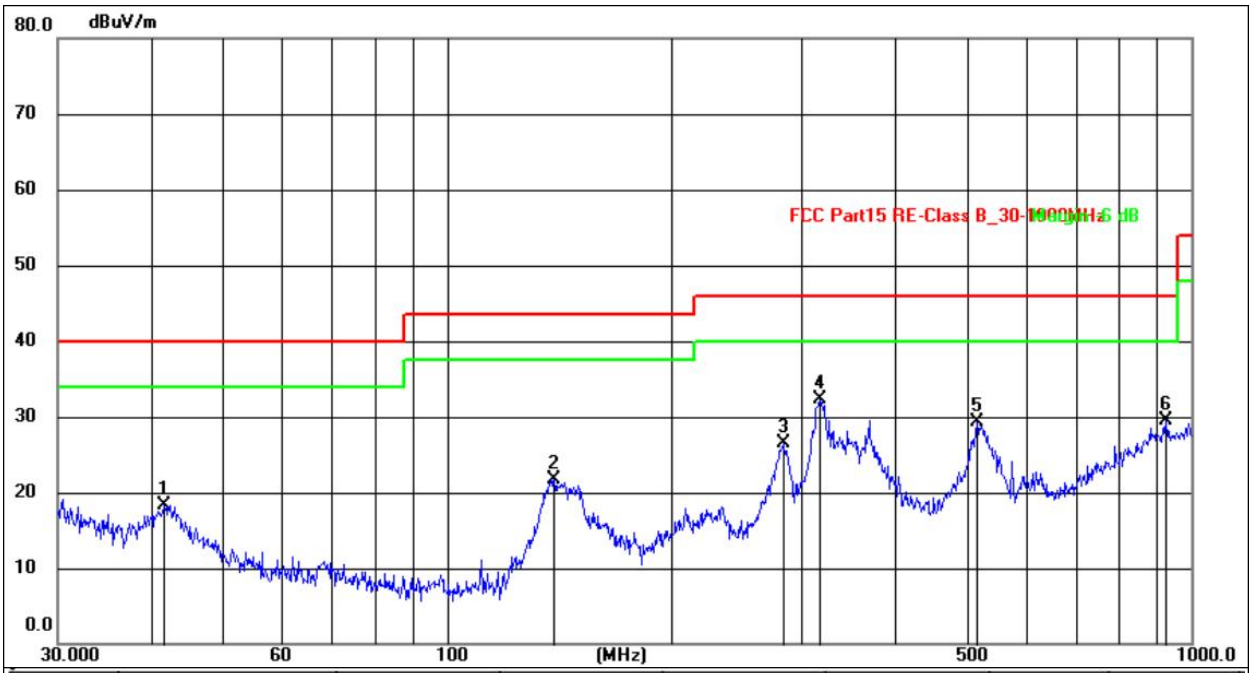
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test Mode:	Mode 1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.3172	30.65	-14.17	16.48	40.00	-23.52	QP
2	150.0108	34.79	-16.35	18.44	43.50	-25.06	QP
3	271.3245	41.93	-14.48	27.45	46.00	-18.55	QP
4	313.2760	45.89	-16.49	29.40	46.00	-16.60	QP
5	747.4825	30.32	-6.54	23.78	46.00	-22.22	QP
6	979.1804	28.93	-5.00	23.93	54.00	-30.07	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.Final Level = Reading level + Correct Factor.
4.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
5.Margin= Measurement Level-Limit.
6.All test modes were tested, with only the worst Mode 1 recorded.

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test Mode:	Mode 1

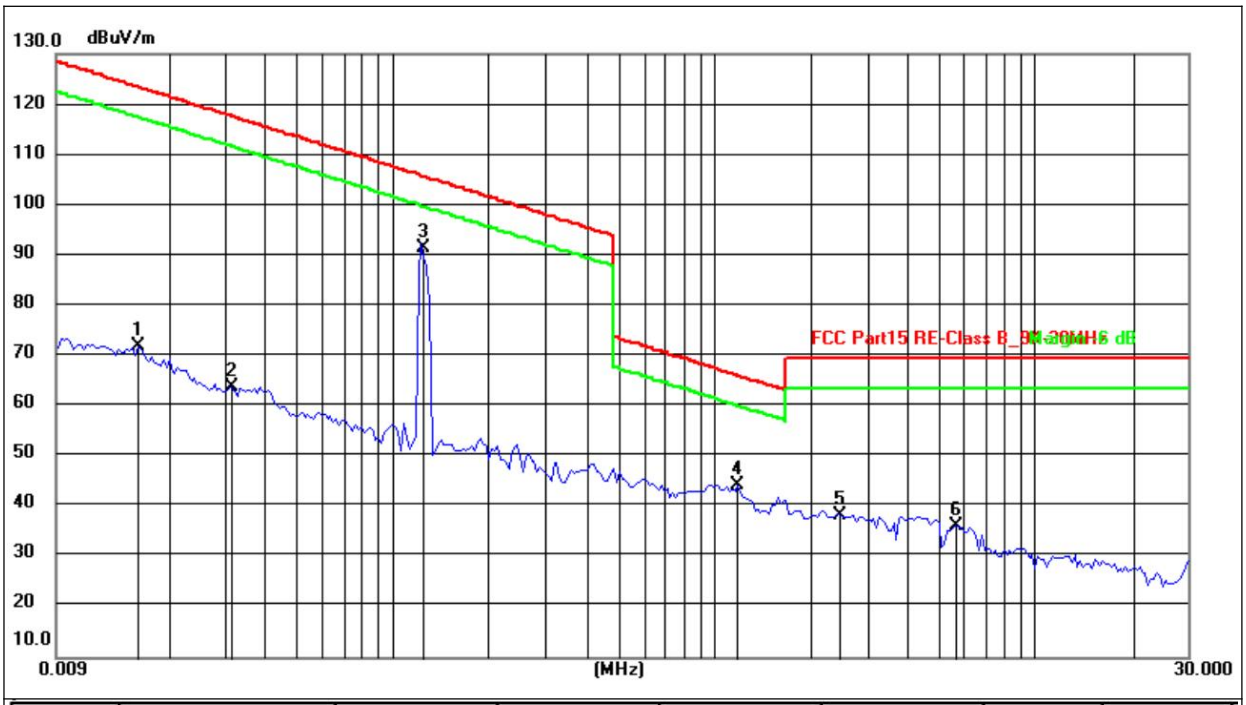


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.7129	35.11	-16.84	18.27	40.00	-21.73	QP
2	139.3611	42.43	-20.75	21.68	43.50	-21.82	QP
3	282.9851	44.90	-18.45	26.45	46.00	-19.55	QP
4	316.5889	49.68	-17.34	32.34	46.00	-13.66	QP
5	515.4373	39.65	-10.42	29.23	46.00	-16.77	QP
6	925.7562	29.73	-0.29	29.44	46.00	-16.56	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.Final Level = Reading level + Correct Factor.
4.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
5.Margin= Measurement Level-Limit.
6.All test modes were tested, with only the worst Mode 1 recorded.

B: 9 kHz~30 MHz

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	coaxial
Test Voltage:	DC 3.85V	Test Mode:	Mode 1a

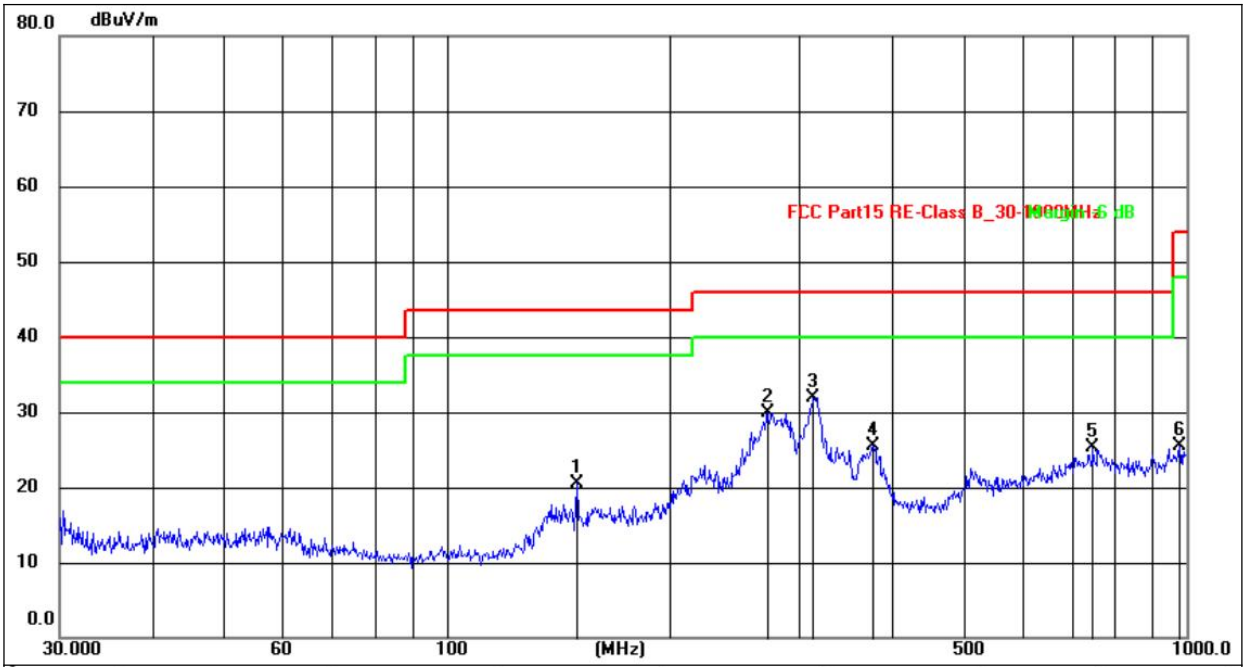


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0160	51.57	20.49	72.06	123.52	-51.46	peak
2	0.0316	43.57	20.18	63.75	117.61	-53.86	peak
3	0.1240	71.46	19.90	91.36	105.74	-14.38	peak
4	1.1933	24.36	19.92	44.28	66.07	-21.79	peak
5	2.4763	18.69	19.73	38.42	69.54	-31.12	peak
6	5.6875	16.92	19.41	36.33	69.54	-33.21	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.Final Level = Reading level + Correct Factor.
4.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
5.Margin= Measurement Level-Limit.

30MHz-1GHz

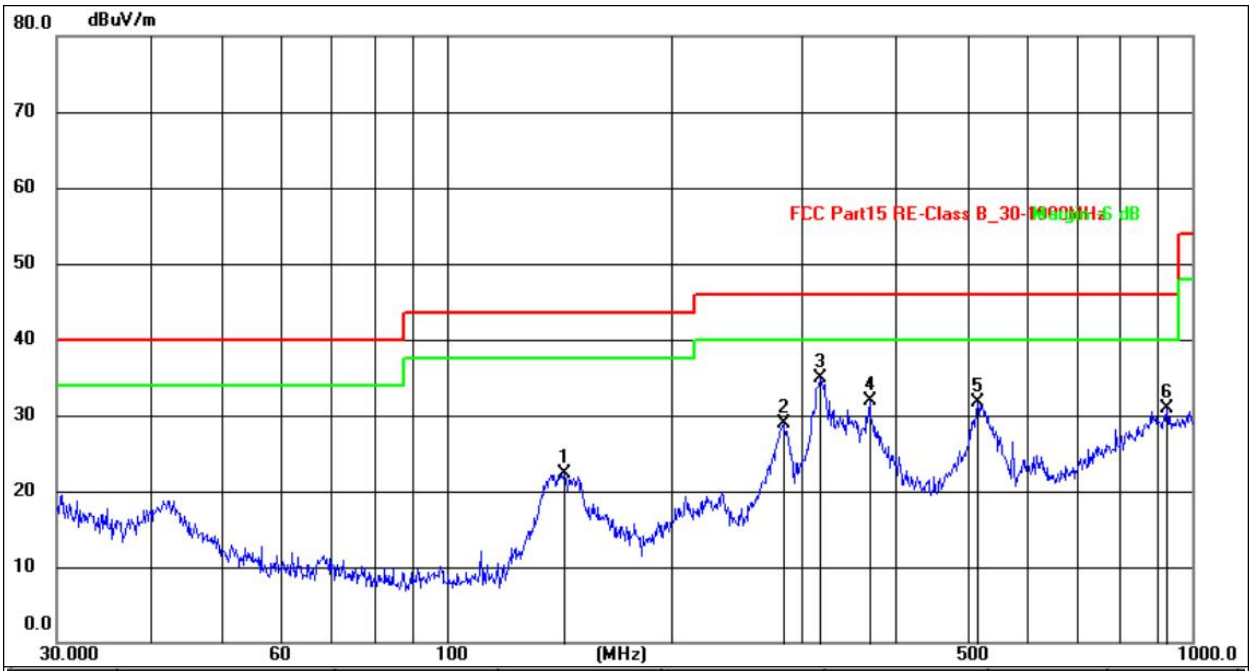
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Test Mode:	Mode 1a



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	150.0107	36.79	-16.35	20.44	43.50	-23.06	QP
2	271.3245	44.43	-14.48	29.95	46.00	-16.05	QP
3	313.2760	48.39	-16.49	31.90	46.00	-14.10	QP
4	377.2590	41.71	-16.17	25.54	46.00	-20.46	QP
5	747.4823	31.82	-6.54	25.28	46.00	-20.72	QP
6	979.1802	30.43	-5.00	25.43	54.00	-28.57	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.Final Level = Reading level + Correct Factor.
4.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
5.Margin= Measurement Level-Limit.
6.All test modes were tested, with only the worst Mode 1a recorded.

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.85V	Test Mode:	Mode 1a



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	143.8293	42.83	-20.59	22.24	43.50	-21.26	QP
2	282.9849	47.40	-18.45	28.95	46.00	-17.05	QP
3	316.5889	52.18	-17.34	34.84	46.00	-11.16	QP
4	369.4045	47.53	-15.56	31.97	46.00	-14.03	QP
5	515.4373	42.15	-10.42	31.73	46.00	-14.27	QP
6	925.7562	31.23	-0.29	30.94	46.00	-15.06	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.Final Level = Reading level + Correct Factor.
4.Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
5.Margin= Measurement Level-Limit.
6.All test modes were tested, with only the worst Mode 1a 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

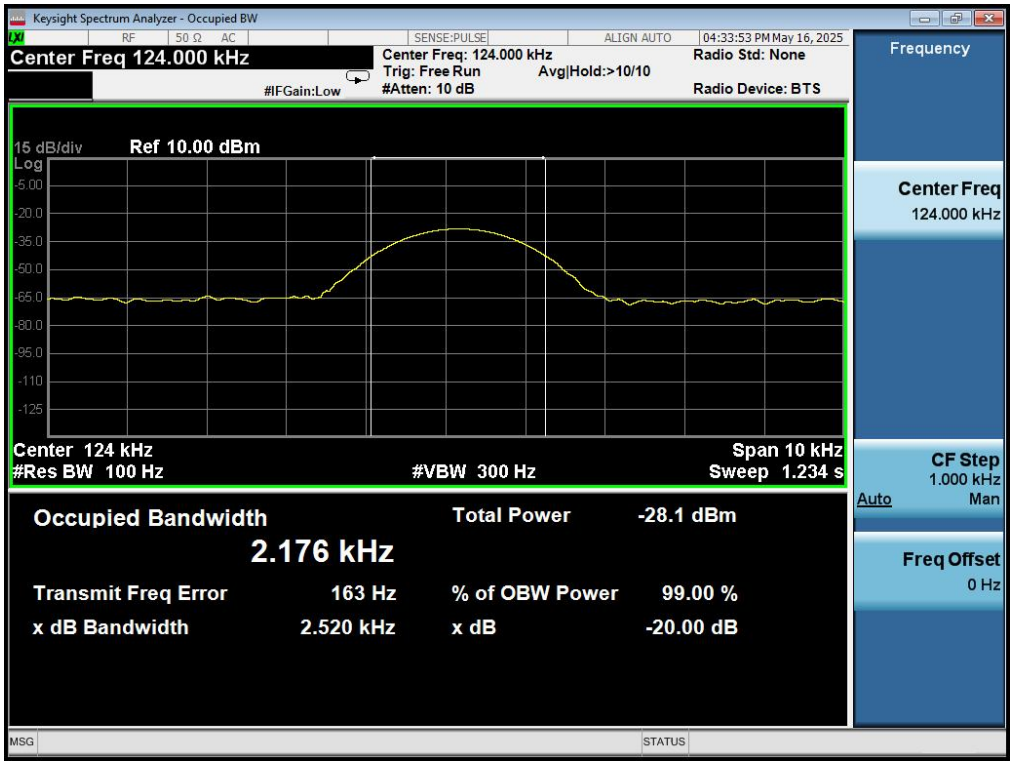
6.4 DEVIATION FROM STANDARD

No deviation.

6.5 TEST RESULT

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 3.85V

Test Coil	Frequency (kHz)	20dB Bandwidth (kHz)	Result
ANT 1	124.00	2.520	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 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 ※※※※※