



FCC TEST REPORT

FCC ID:2BH7V-BK55

Applicant: Shenzhen Zhiding Manufacturing Co., Ltd

Address: Room 401, No. 1 Factory Building, Scary Industrial Plant, No.7 Ganli 6th Road, Gankeng Community, Jihua Street, Longgang District, Shenzhen

Manufacturer: Shenzhen Zhiding Manufacturing Co., Ltd

Address: Room 401, No. 1 Factory Building, Scary Industrial Plant, No.7 Ganli 6th Road, Gankeng Community, Jihua Street, Longgang District, Shenzhen

EUT: Car mounted phone holder

Trade Mark: N/A

Model Number: BK55
BK55E, BK55X, BK56, BK56X, BK56E

Date of Receipt: Dec. 31, 2025

Test Date: Dec. 31, 2025 to Jan. 14, 2026

Date of Report: Jan. 23, 2026

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

Applicable Standards: FCC CFR Title 47 Part 15 Subpart C

Test Result: Pass

Report Number: DLE-260106016R

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-260106016R	Rev.01	Initial issue of report	Jan. 23, 2026



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, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolon Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, 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 $y \pm U$, 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 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:	Car mounted phone holder
Model No.:	BK55
Serial No.:	BK55E,BK55X,BK56,BK56X,BK56E
Model Difference:	All models have the same circuit and RF module, but the model name and appearance color are different.
Hardware Version:	V 1.0
Software Version:	V 1.1
Operation Frequency:	ANT 1&2: 111kHz ~ 205kHz
Modulation Type:	ASK
Antenna Type:	ANT 1&2: Loop Coil Antenna
Antenna Gain:	0dBi
Ratings:	Input: 5V $\overline{\text{---}}$ 2A, 9V $\overline{\text{---}}$ 1.67A Wireless Output :15W/10W/7.5W/5W
Battery:	3.7V 200mAh, 0.74Wh
Transmitting Mode:	Keep the EUT in continuously wireless charging mode

Note1: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

Note2: The EUT's all information provided by client.



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 below was evaluated respectively.

Note: ANT1 and ANT2 cannot operate simultaneously.



EUT mode of operation before folding:

Power:	Test Modes:	Test Coil	Description:
5W	Mode 1	ANT 1	AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: <1%)
	Mode 2		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: 50%)
	Mode 3		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: >98%)
	Mode 1a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: <1%)
	Mode 2a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: 50%)
	Mode 3a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: >98%)
Power:	Test Modes:	Test Coil	Description:
7.5W	Mode 4	ANT 1	AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: <1%)
	Mode 5		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: 50%)
	Mode 6		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: >98%)
	Mode 4a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: <1%)
	Mode 5a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: 50%)
	Mode 6a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: >98%)
Power:	Test Modes:	Test Coil	Description:
10W	Mode 7	ANT 1	AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: <1%)
	Mode 8		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: 50%)
	Mode 9		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: >98%)
	Mode 7a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: <1%)
	Mode 8a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: 50%)
	Mode 9a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: >98%)
Power:	Test Modes:	Test Coil	Description:
15W	Mode 10	ANT 1	AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: <1%)
	Mode 11		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: 50%)
	Mode 12		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: >98%)
	Mode 10a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: <1%)
	Mode 11a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: 50%)
	Mode 12a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: >98%)
Power:	Test Modes:	Test Coil	Description:
5W	Mode 13	ANT 2	AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: <1%)
	Mode 14		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: 50%)
	Mode 15		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: >98%)
	Mode 13a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: <1%)

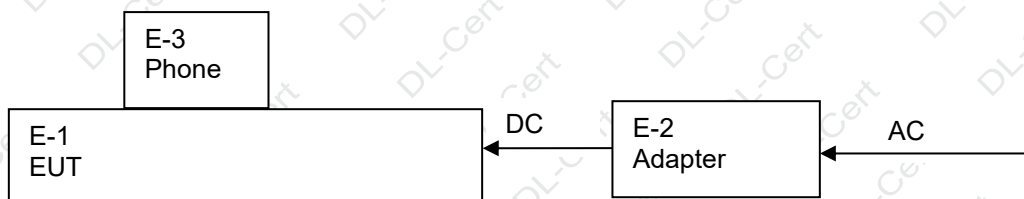


	Mode 14a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: 50%)
	Mode 15a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: >98%)
Power:	Test Modes:	Test Coil	Description:
7.5W	Mode 16	ANT 2	AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: <1%)
	Mode 17		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: 50%)
	Mode 18		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: >98%)
	Mode 16a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: <1%)
	Mode 17a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: 50%)
	Mode 18a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: >98%)
Power:	Test Modes:	Test Coil	Description:
10W	Mode 19	ANT 2	AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: <1%)
	Mode 20		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: 50%)
	Mode 21		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: >98%)
	Mode 19a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: <1%)
	Mode 20a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: 50%)
	Mode 21a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: >98%)
Power:	Test Modes:	Test Coil	Description:
15W	Mode 22	ANT 2	AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: <1%)
	Mode 23		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: 50%)
	Mode 24		AC/DC Adapter(9V 1.67A) + EUT + Phone (Battery Status: >98%)
	Mode 22a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: <1%)
	Mode 23a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: 50%)
	Mode 24a		AC/DC Adapter(5V 2A) + EUT + Phone (Battery Status: >98%)

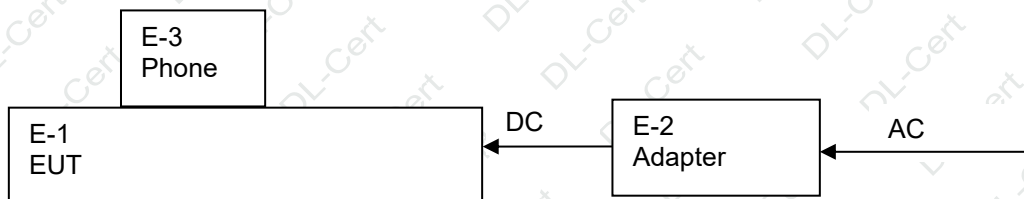


3.3 BLOCK DIAGRAM OF EUT CONFIGURATION

Conducted Emission



Radiated Emission





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	Car mounted phone holder	N/A	BK55	N/A	EUT
E-2	AC/DC Adapter	N/A	X569	N/A	Auxiliary
E-3	Phone	Apple	iPhone X	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

Radiation test, Band-edge test and 6db bandwidth test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	Agilent	E4408B	MY50140780	Oct.25,2025	Oct.24,2026
2	Test Receiver (9kHz-7GHz)	R&S	ESRP7	101393	Oct.25,2025	Oct.24,2026
3	Bilog Antenna (30MHz-1GHz)	R&S	VULB9162	00306	Oct.27,2025	Oct.26,2026
4	Horn Antenna (1GHz-18GHz)	Schwarzbeck	BBHA9120D	02139	Oct.27,2025	Oct.26,2026
5	Horn Antenna (18GHz-40GHz)	A.H. Systems	SAS-574	588	Oct.25,2025	Oct.24,2026
6	Amplifier (9KHz-6GHz)	Schwarzbeck	BBV9743B	00153	Oct.25,2025	Oct.24,2026
7	Amplifier (1GHz-18GHz)	EMEC	EM01G8GA	00270	Oct.25,2025	Oct.24,2026
8	Amplifier (18GHz-40GHz)	Quanjuda	DLE-161	97	Oct.25,2025	Oct.24,2026
9	Loop Antenna (9KHz-30MHz)	Schwarzbeck	FMZB1519B	00014	Oct.25,2025	Oct.24,2026
10	RF cables1 (9kHz-1GHz)	ChengYu	966	004	Oct.25,2025	Oct.24,2026
11	RF cables2 (1GHz-40GHz)	ChengYu	966	003	Oct.25,2025	Oct.24,2026
12	Antenna connector	Florida RF Labs	N/A	RF 01#	Oct.25,2025	Oct.24,2026
13	Power probe	KEYSIGHT	U2021XA	MY55210018	Oct.25,2025	Oct.24,2026
14	Signal Analyzer 9kHz-26.5GHz	Agilent	N9020A	MY55370280	Oct.25,2025	Oct.24,2026
15	Test Receiver 20kHz-40GHz	R&S	ESU 40	100376	Oct.25,2025	Oct.24,2026
16	D.C. Power Supply	LongWei	PS-305D	010964729	Oct.25,2025	Oct.24,2026

Conduction Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	843 Shielded Room	ChengYu	843 Room	843	Nov.05,2023	Nov.04,2026
2	EMI Receiver	R&S	ESR	101421	Oct.25,2025	Oct.24,2026
3	LISN	R&S	ENV216	102417	Oct.25,2025	Oct.24,2026
4	843 Cable 1#	ChengYu	CE Cable	001	Oct.25,2025	Oct.24,2026

Other

Item	Name	Manufacturer	Model	Software version
1	EMC Conduction Test System	FALA	EZ EMC	EMC-CON 3A1.1
2	EMC radiation test system	FALA	EZ EMC	FA-03A2
3	RF test system	MAIWEI	MTS8310	2.0.0.0
4	RF communication test system	MAIWEI	MTS8200	2.0.0.0



4. CONDUCTED EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2020
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.

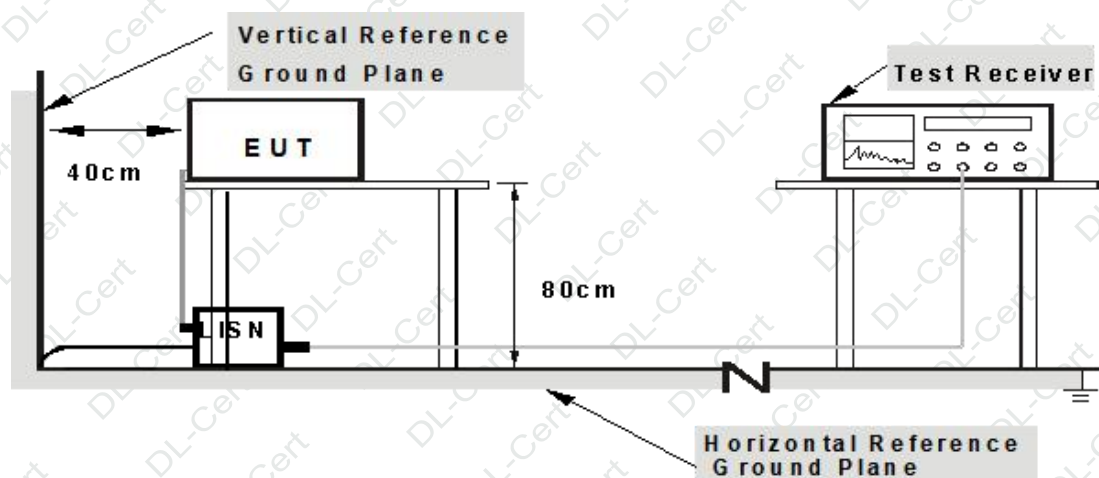
4.1.2 TEST PROCEDURE

- 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- 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 cm from other units and other metal planes

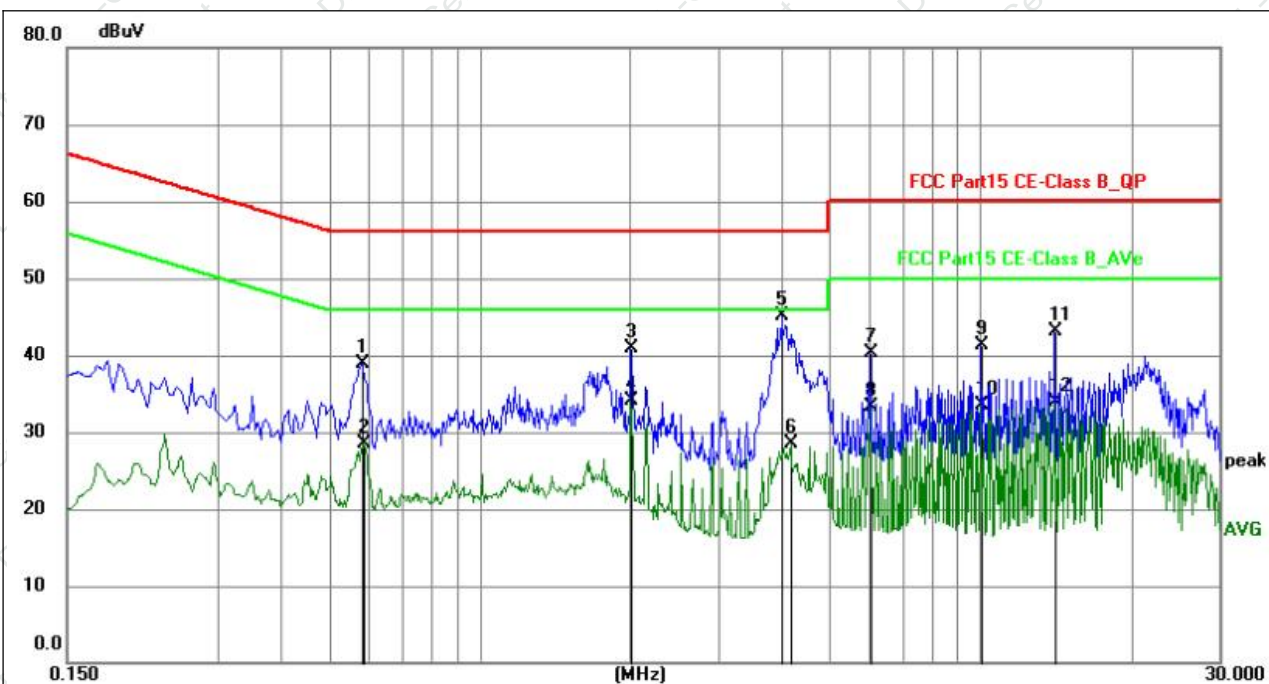
4.1.5 EUT OPERATING CONDITIONS

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 10



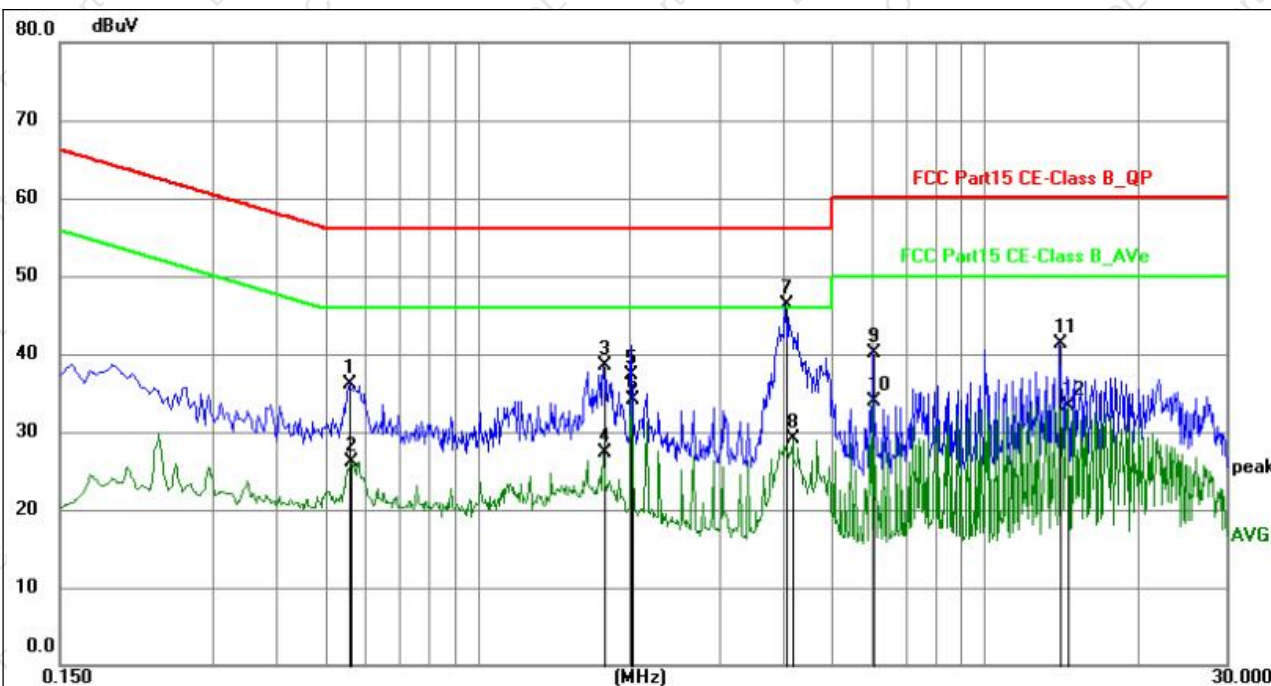
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.5820	19.22	19.63	38.85	56.00	-17.15	QP	P	
2	0.5865	8.87	19.63	28.50	46.00	-17.50	AVG	P	
3	2.0085	21.33	19.67	41.00	56.00	-15.00	QP	P	
4	2.0085	14.37	19.67	34.04	46.00	-11.96	AVG	P	
5	4.0245	25.33	19.71	45.04	56.00	-10.96	QP	P	
6	4.1820	8.88	19.71	28.59	46.00	-17.41	AVG	P	
7	6.0270	20.67	19.73	40.40	60.00	-19.60	QP	P	
8	6.0270	13.64	19.73	33.37	50.00	-16.63	AVG	P	
9	10.0455	21.52	19.76	41.28	60.00	-18.72	QP	P	
10	10.0455	13.83	19.76	33.59	50.00	-16.41	AVG	P	
11	14.0730	23.28	19.77	43.05	60.00	-16.95	QP	P	
12	14.0730	14.14	19.77	33.91	50.00	-16.09	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 = Liss factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. All test modes were tested, with only the worst Mode 10 recorded.



Temperature :	26℃	Relative Humidity :	54%
Pressure :	101kPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 10



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.5595	16.52	19.63	36.15	56.00	-19.85	QP	P	
2	0.5639	6.45	19.63	26.08	46.00	-19.92	AVG	P	
3	1.7745	18.85	19.66	38.51	56.00	-17.49	QP	P	
4	1.7745	7.71	19.66	27.37	46.00	-18.63	AVG	P	
5	2.0085	17.71	19.66	37.37	56.00	-18.63	QP	P	
6	2.0130	14.35	19.66	34.01	46.00	-11.99	AVG	P	
7	4.0695	26.60	19.69	46.29	56.00	-9.71	QP	P	
8	4.1865	9.47	19.69	29.16	46.00	-16.84	AVG	P	
9	6.0405	20.49	19.71	40.20	60.00	-19.80	QP	P	
10	6.0405	14.27	19.71	33.98	50.00	-16.02	AVG	P	
11	14.0910	21.46	19.76	41.22	60.00	-18.78	QP	P	
12	14.5950	13.52	19.76	33.28	50.00	-16.72	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 = Lisen factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. All test modes were tested, with only the worst Mode 10 recorded.

**5. RADIATED EMISSION MEASUREMENT**

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2020				
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**

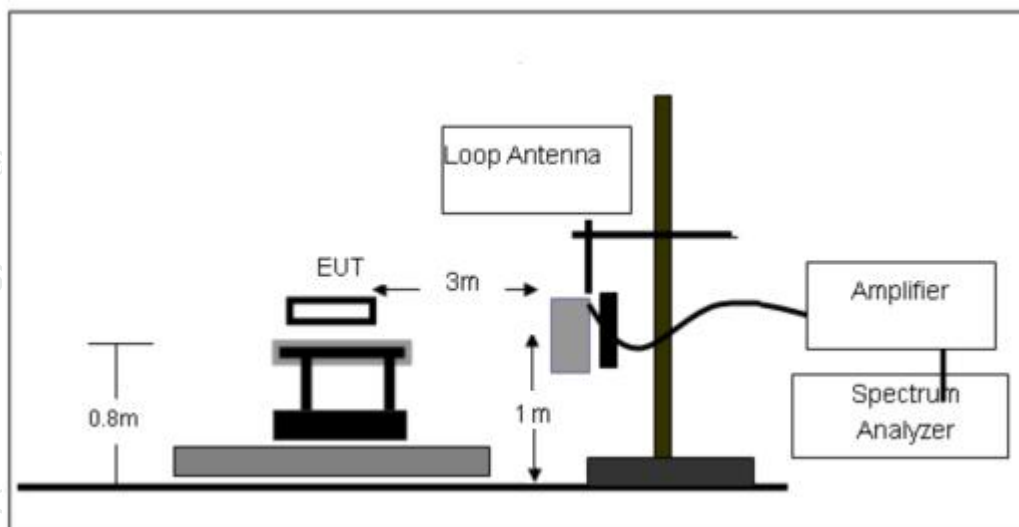
Frequency	Limit (uV/m)	Measurement Distance(m)	Remark
0.009-0.490	2400/F(kHz)	300	Quasi-peak Value
0.490-1.705	24000/F(kHz)	30	Quasi-peak Value
1.705-30	30	30	Quasi-peak Value

Limits for frequency Above 30MHz

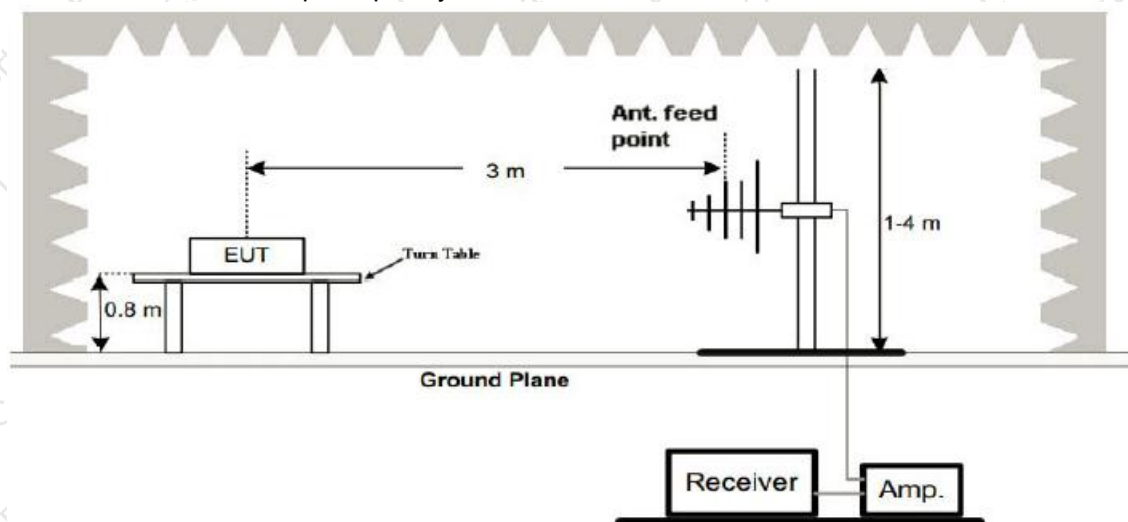
Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.00	Quasi-peak Value
88MHz-216MHz	43.50	Quasi-peak Value
216MHz-960MHz	46.00	Quasi-peak Value
960MHz-1GHz	54.00	Quasi-peak Value
Above 1GHz	54.00	Average Value
	74.00	Peak Value

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 C63.10-2020. The specification used was the FCC 15.209 and FCC 15.205 limits.



5.3 TEST PROCEDURE

Below 30MHz

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

30MHz-1GHz

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

5.4 DEVIATION FROM TEST STANDARD

No deviation

5.5 TEST RESULT

Measurement data:

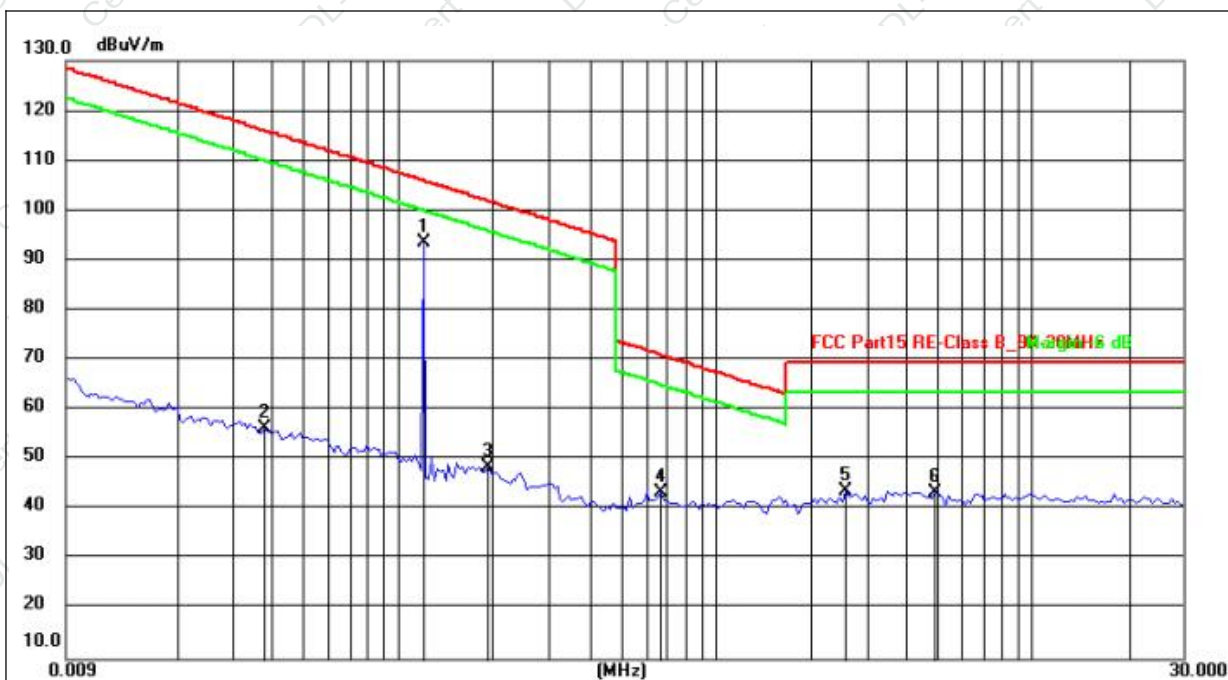
Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 80

Limit dBuV/m @3m = Limit dBuV/m @30m + 40



ANT 1 - 9 kHz~30 MHz

Temperature :	26℃	Relative Humidity :	54%
Pressure :	101 kPa	Polarization :	Coaxial
Test Voltage :	DC 9V	Test Mode :	Mode 10



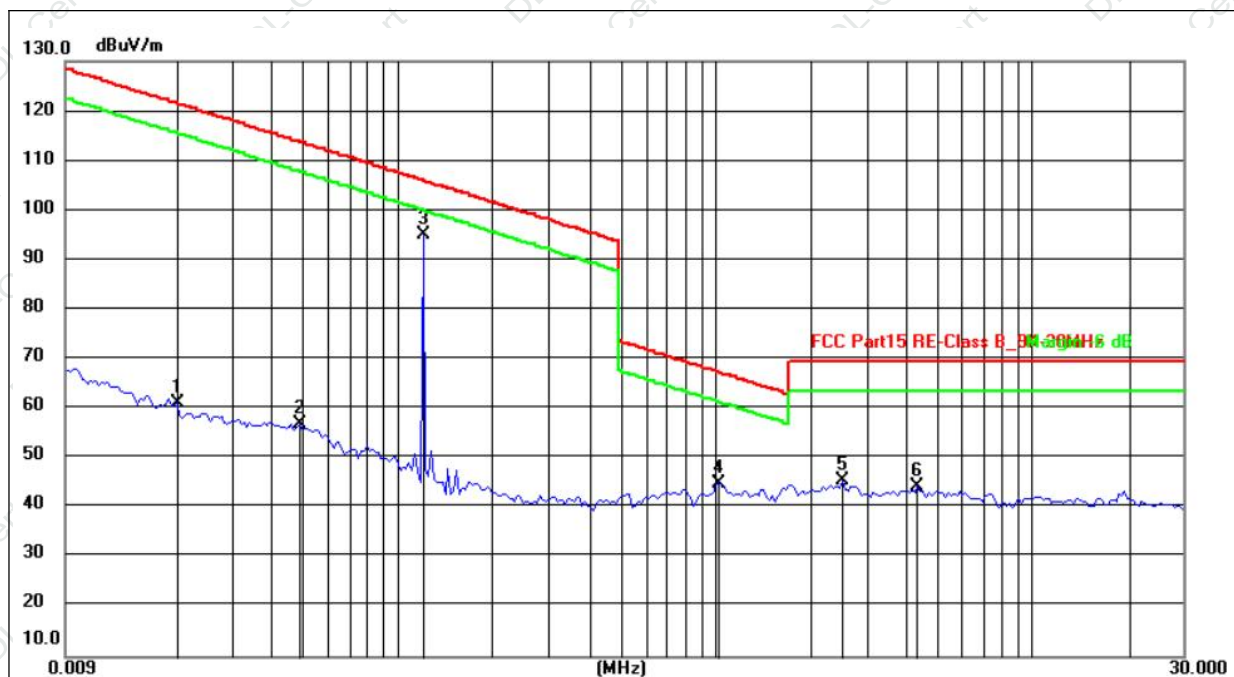
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1190	73.55	19.87	93.42	106.09	-12.67	peak
2	0.0379	36.24	20.03	56.27	116.03	-59.76	peak
3	0.1922	28.35	20.08	48.43	101.93	-53.50	peak
4	0.6763	23.10	20.36	43.46	71.00	-27.54	peak
5	2.5788	23.93	19.71	43.64	69.54	-25.90	peak
6	4.9348	24.09	19.47	43.56	69.54	-25.98	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.
- 6.All test modes were tested, with only the worst Mode 1a recorded.



Temperature :	26℃	Relative Humidity :	54%
Pressure :	101 kPa	Polarization :	Coplanar
Test Voltage :	DC 9V	Test Mode :	Mode 10



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0200	40.56	20.45	61.01	121.58	-60.57	peak
2	0.0492	37.13	19.77	56.90	113.77	-56.87	peak
3	0.1190	75.05	19.87	94.92	106.09	-11.17	peak
4	1.0354	25.01	19.94	44.95	67.30	-22.35	peak
5	2.5272	25.80	19.72	45.52	69.54	-24.02	peak
6	4.3695	24.97	19.52	44.49	69.54	-25.05	peak

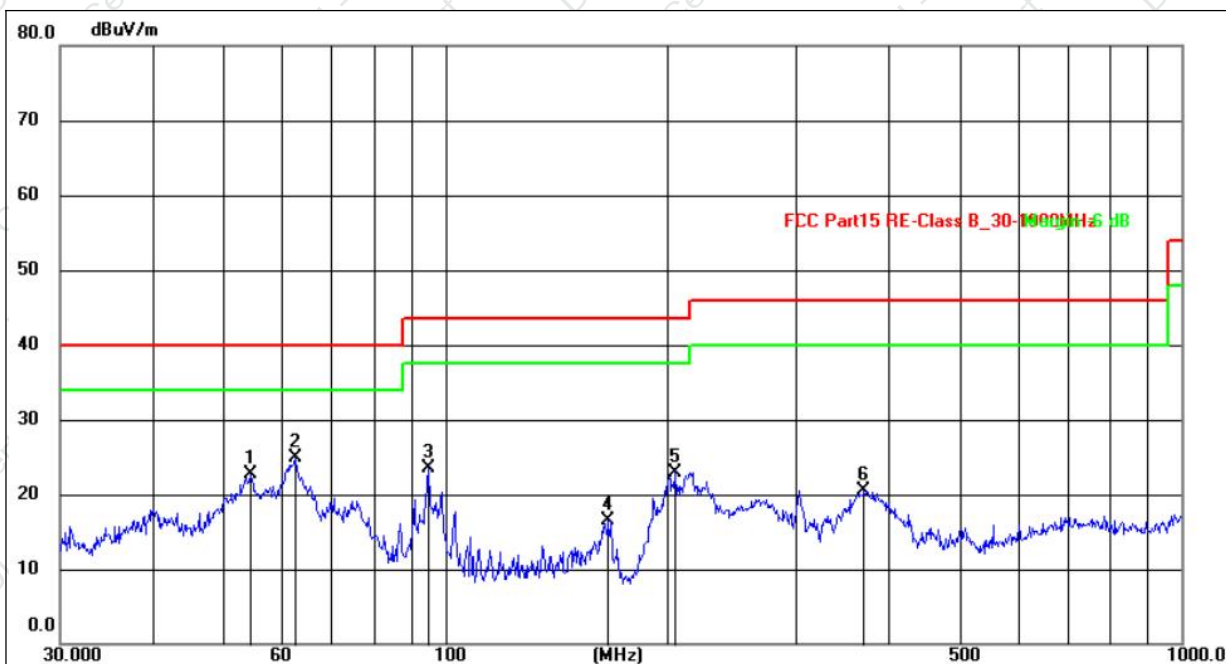
Remarks:

- 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.
- 6.All test modes were tested, with only the worst Mode 1a recorded.



ANT 1 - 30MHz-1GHz

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 9V	Test Mode:	Mode 10



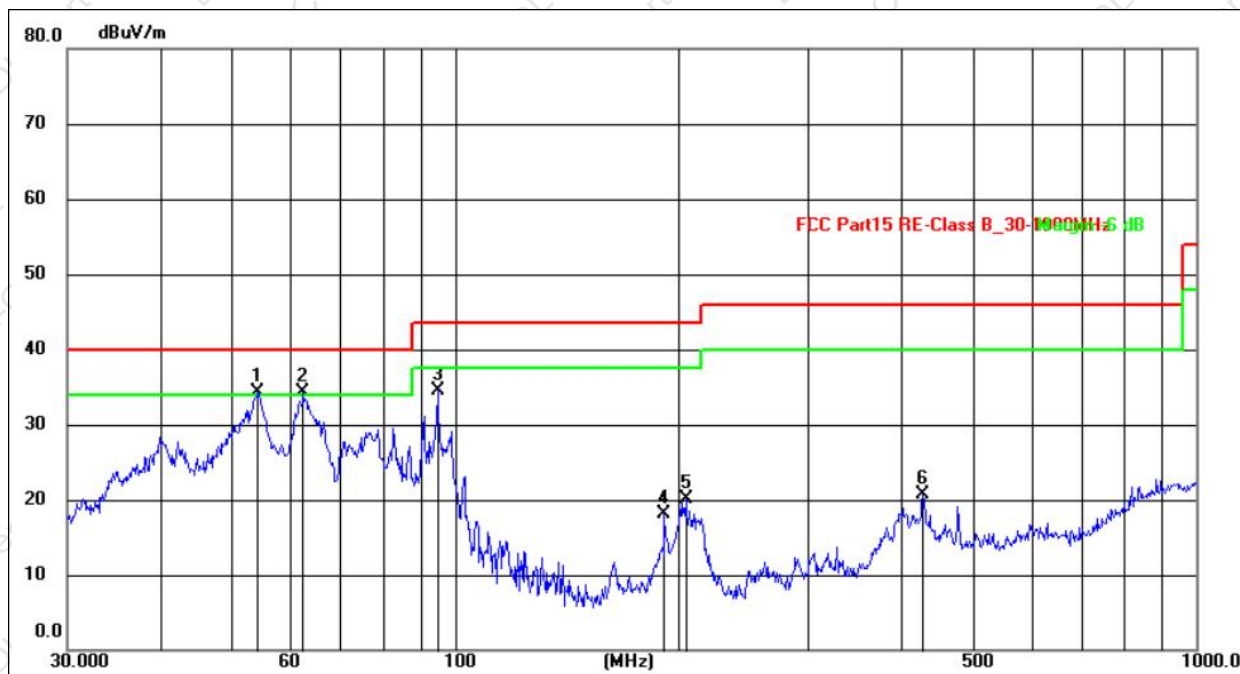
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	54.4515	38.07	-15.45	22.62	40.00	-17.38	QP
2	62.6506	41.24	-16.31	24.93	40.00	-15.07	QP
3	95.0929	45.05	-21.59	23.46	43.50	-20.04	QP
4	166.6513	35.84	-19.38	16.46	43.50	-27.04	QP
5	205.6750	44.75	-21.75	23.00	43.50	-20.50	QP
6	370.7023	41.91	-21.43	20.48	46.00	-25.52	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°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 9V	Test Mode:	Mode 10



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	54.2609	53.44	-19.05	34.39	40.00	-5.61	QP
2	62.4313	54.18	-19.94	34.24	40.00	-5.76	QP
3	94.7600	57.35	-22.94	34.41	43.50	-9.09	QP
4	191.7450	41.51	-23.37	18.14	43.50	-25.36	QP
5	204.9551	43.91	-23.85	20.06	43.50	-23.44	QP
6	428.0192	39.67	-18.95	20.72	46.00	-25.28	QP

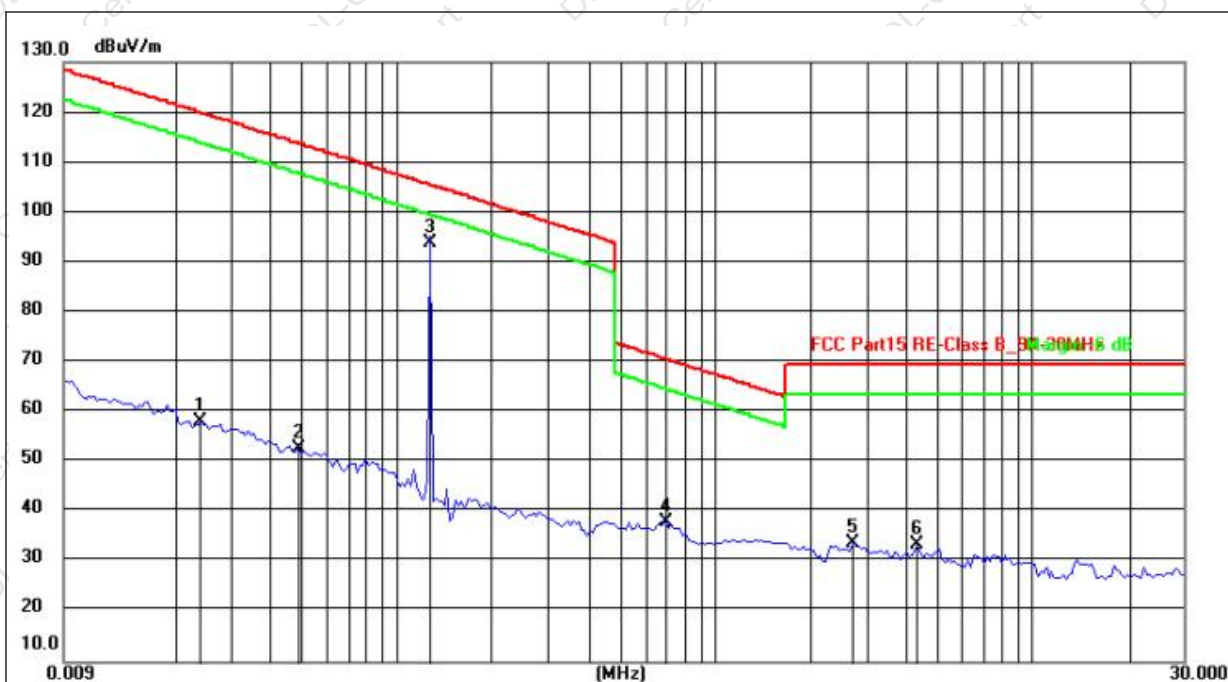
Remarks:

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.



ANT 2 - 9 kHz~30 MHz

Temperature :	26°C	Relative Humidity :	54%
Pressure :	101 kPa	Polarization :	Coaxial
Test Voltage :	DC 9V	Test Mode :	Mode 22



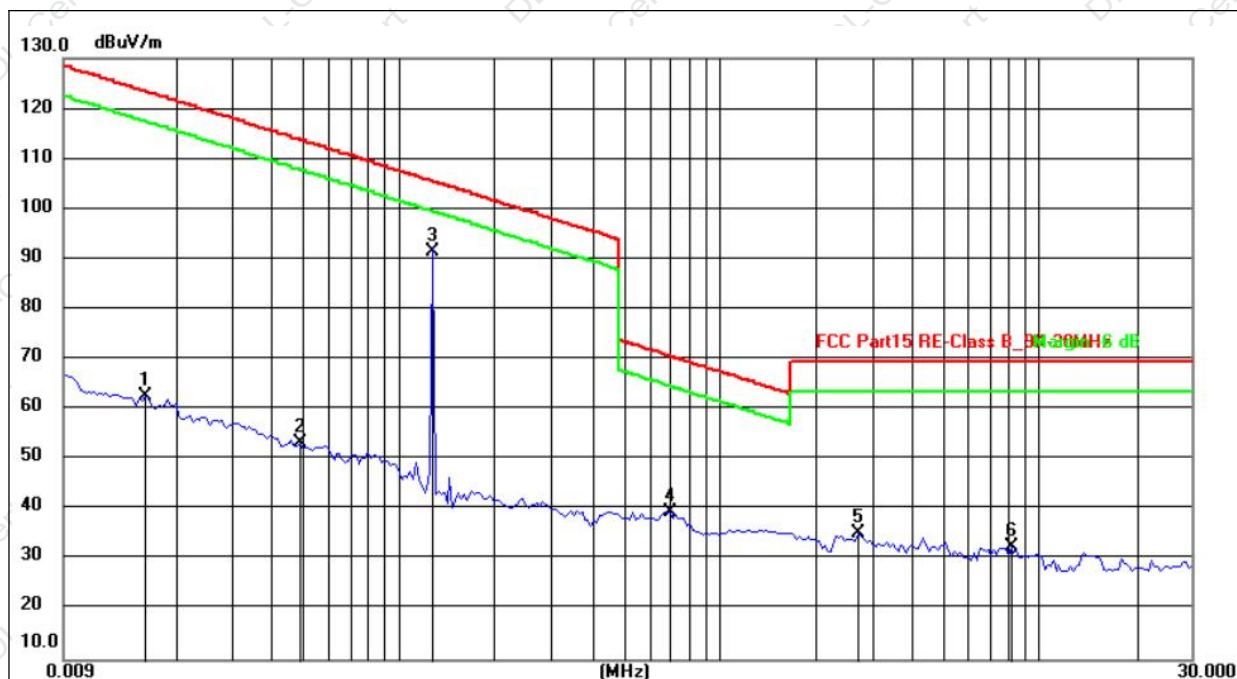
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0240	37.72	20.36	58.08	120.00	-61.92	peak
2	0.0492	33.13	19.77	52.90	113.77	-60.87	peak
3	0.1270	74.02	19.92	93.94	105.53	-11.59	peak
4	0.7043	17.75	20.38	38.13	70.65	-32.52	peak
5	2.7406	14.01	19.69	33.70	69.54	-35.84	peak
6	4.3695	13.97	19.52	33.49	69.54	-36.05	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.
- 6.All test modes were tested, with only the worst Mode 4a recorded.



Temperature :	26℃	Relative Humidity :	54%
Pressure :	101 kPa	Polarization :	Coplanar
Test Voltage :	DC 9V	Test Mode :	Mode 22



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0160	42.07	20.49	62.56	123.52	-60.96	peak
2	0.0492	33.63	19.77	53.40	113.77	-60.37	peak
3	0.1270	71.64	19.92	91.56	105.53	-13.97	peak
4	0.7043	19.25	20.38	39.63	70.65	-31.02	peak
5	2.7406	15.51	19.69	35.20	69.54	-34.34	peak
6	8.1932	13.35	19.18	32.53	69.54	-37.01	peak

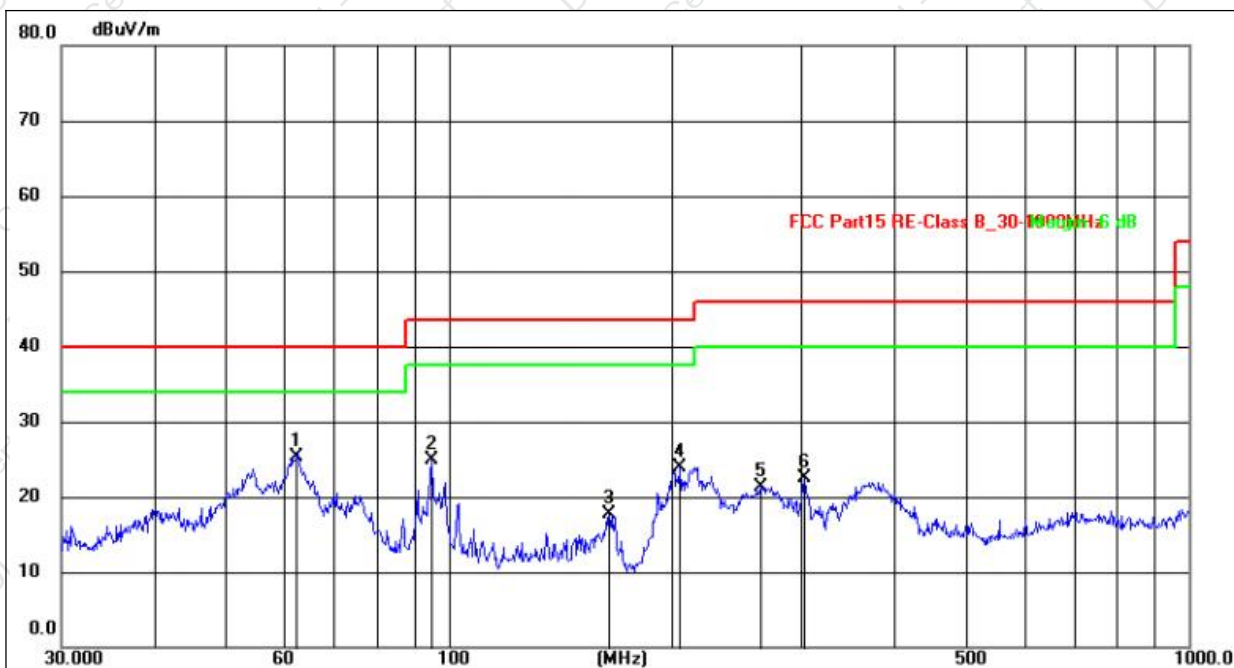
Remarks:

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.
6. All test modes were tested, with only the worst Mode 4a recorded.



ANT 2 - 30MHz-1GHz

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 9V	Test Mode:	Mode 22



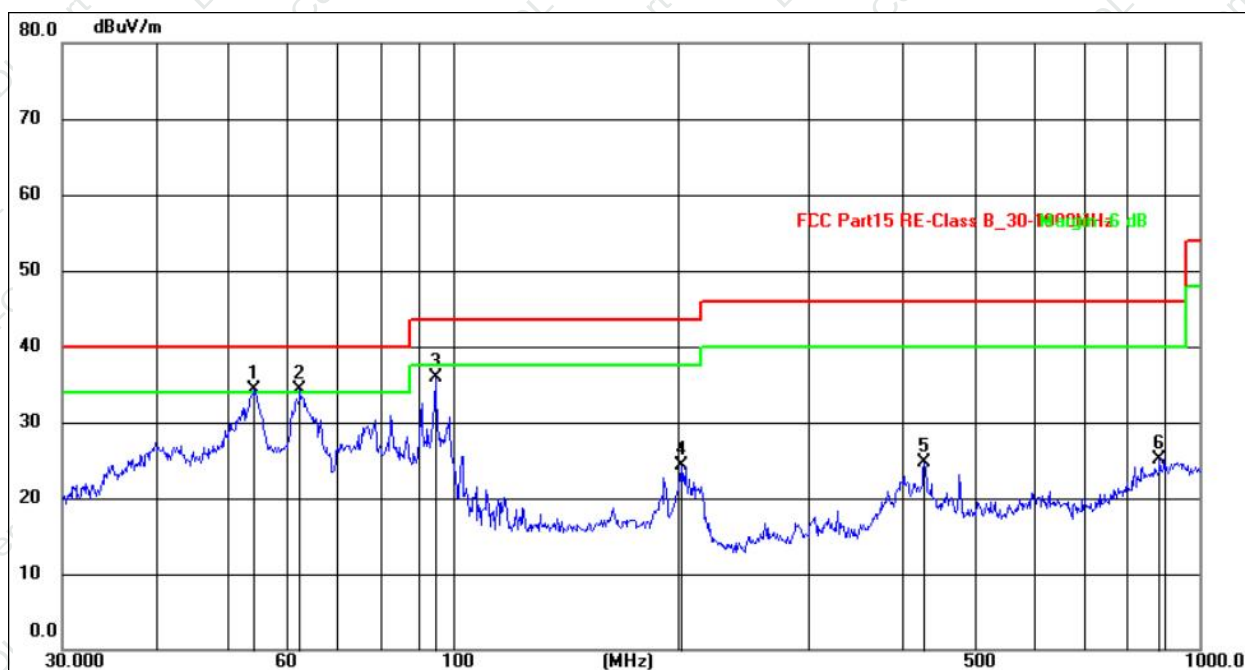
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	62.4313	41.48	-16.25	25.23	40.00	-14.77	QP
2	95.0929	46.55	-21.59	24.96	43.50	-18.54	QP
3	164.9072	36.90	-19.21	17.69	43.50	-25.81	QP
4	205.6750	45.75	-21.75	24.00	43.50	-19.50	QP
5	263.8190	40.70	-19.39	21.31	46.00	-24.69	QP
6	302.4811	44.11	-21.55	22.56	46.00	-23.44	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 4a recorded.



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 9V	Test Mode:	Mode 22



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	54.2608	53.44	-19.05	34.39	40.00	-5.61	QP
2	62.4313	54.18	-19.94	34.24	40.00	-5.76	QP
3	94.7600	58.85	-22.94	35.91	43.50	-7.59	QP
4	202.8103	48.12	-23.86	24.26	43.50	-19.24	QP
5	428.0192	43.67	-18.95	24.72	46.00	-21.28	QP
6	884.5027	32.67	-7.55	25.12	46.00	-20.88	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 4a recorded.



6. 20DB BANDWIDTH TEST

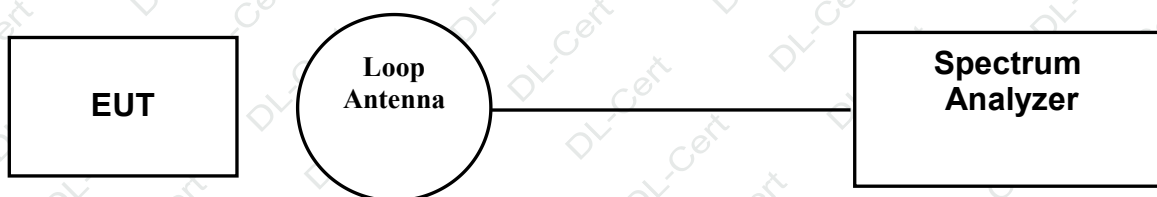
6.1 TEST PROCEDURE

1. Se span = 1.5 ~ 5 times OBW.
2. Set RBW = 1%~5% OBW.
3. Set the video bandwidth (VBW) $\geq 3 \times$ 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.

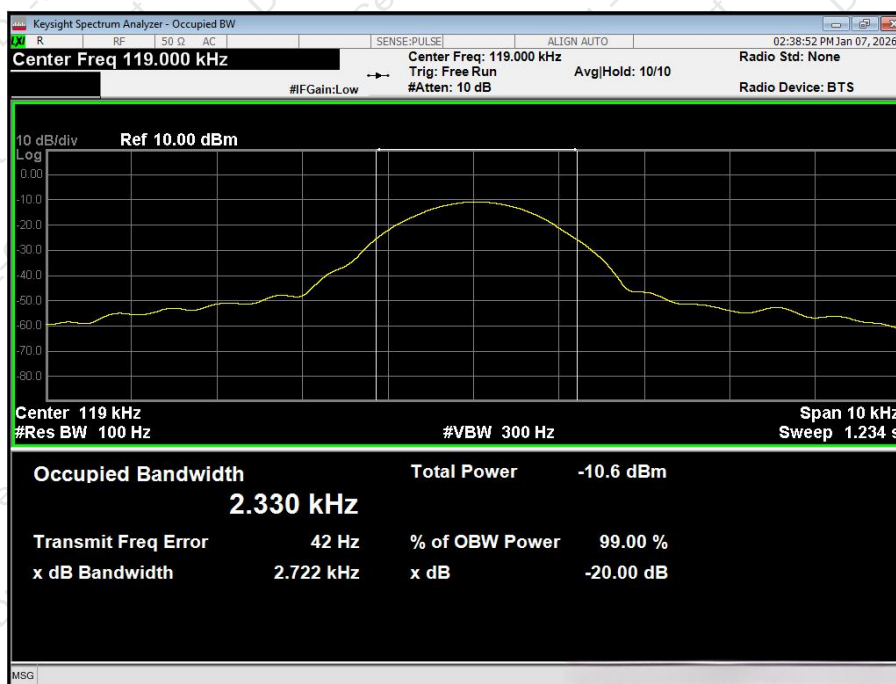


6.5 TEST RESULT

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

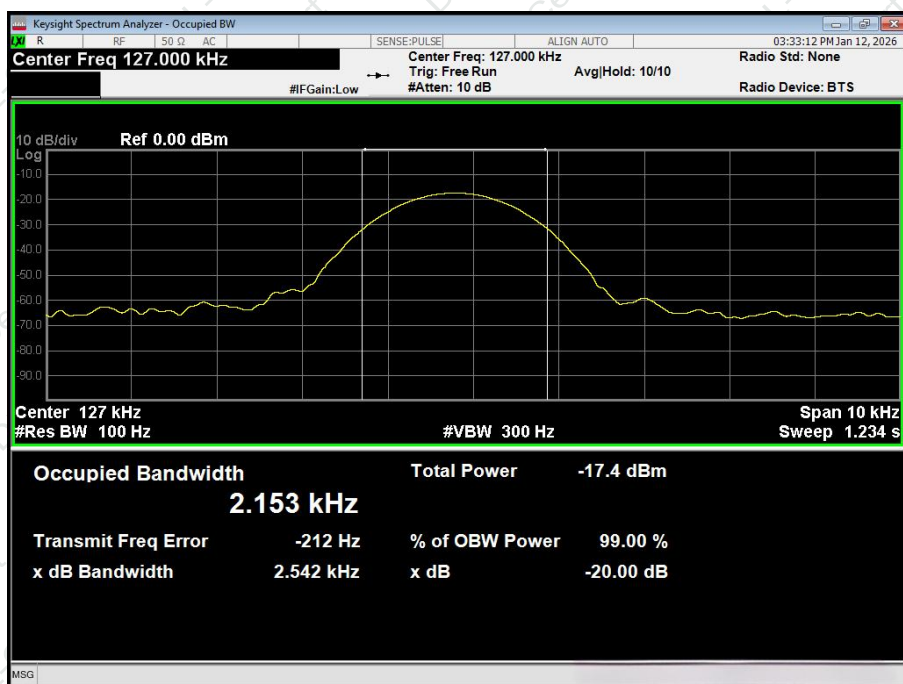
Test Coil	Frequency (kHz)	20dB Bandwidth (kHz)	Result
ANT 1	119.00	2.722	Pass
ANT 2	127.00	2.542	Pass

ANT1:





ANT2:





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 *****