



Shenzhen HTT Technology Co., Ltd.

FCC PART 15 SUBPART C TEST REPORT

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Applicant's name.....: Shenzhen Taokeqi Information Technology Co., Ltd.

Address.....: Room 715, Tangwei Co., Ltd. Business Building, Tangwei
Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong,
China

Test specification

Standard: FCC Rules and Regulations Part 15 Subpart C (Section 15.209),
ANSI C63.10: 2020

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Test item description: CK-Prog Automobile Intelligent Programmer

Trade Mark: N/A

Manufacturer: Shenzhen Taokeqi Information Technology Co., Ltd.

Model/Type reference: V1.0

Listed Models: N/A

Modulation Type.....: ASK

Operation Frequency.....: 125KHz

Rating: DC 12V

Result: PASS

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

TEST REPORT

Equipment under Test : CK-Prog Automobile Intelligent Programmer

Model /Type : V1.0

Listed Models : N/A

Applicant : Shenzhen Taokeqi Information Technology Co., Ltd.

Address : Room 715, Tangwei Co., Ltd. Business Building, Tangwei Community,
Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Manufacturer : Shenzhen Taokeqi Information Technology Co., Ltd.

Address : Room 715, Tangwei Co., Ltd. Business Building, Tangwei Community,
Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Test Result:	PASS
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The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1 TEST STANDARDS

The tests were performed according to following standards:

[FCC Rules and Regulations Part 15 Subpart C \(Section 15.207\)](#): Conducted limits.

[FCC Rules and Regulations Part 15 Subpart C \(Section 15.209\)](#): Radiated emission limits; general requirements.

[ANSI C63.10: 2020](#): American National Standard for Testing Unlicensed Wireless Devices

2 SUMMARY

2.1 General Remarks

Date of receipt of test sample	:	Jun. 26, 2026
Testing commenced on	:	Jun. 26, 2026
Testing concluded on	:	Jul. 02, 2026

2.2 Product Description

Product Name:	CK-Prog Automobile Intelligent Programmer
Model/Type reference:	V1.0
Power supply:	DC 12V
Adapter information:	Model: KE024A-1200200Z Input: 100-240VAC 50/60Hz 0.6A MAX Output: DC 12V---2.0A
Hardware version:	/
Software version:	/
Test samples ID:	HTT202606701-1(Engineer sample) HTT202606701-2(Normal sample)
Operation frequency:	125KHz
Modulation type:	ASK
Antenna type:	Loop Antenna
Antenna gain:	0.0dBi

2.3 Description of the test mode

Equipment under test was operated during the measurement under the following conditions:

☒ Charging and communication mode

Test Modes:		
Mode 1	Wireless Charging	Recorded
Mode 2	Standby	Pre-tested
Note: All test modes were pre-tested, but we only recorded the worst case in this report.		

2.4 Special Accessories

Follow auxiliary equipment(s) test with EUT that provided by the manufacturer or laboratory is listed as follow:

Description	Manufacturer	Model	Technical Parameters	Certificate	Provided by
	/	/	/	/	/

2.5 Modifications

No modifications were implemented to meet testing criteria.

3 TEST ENVIRONMENT

3.1 Address of the test laboratory

Shenzhen HTT Technology Co.,Ltd.

1F, Building B, Huafeng International Robotics Industrial Park, Hangcheng Road, Nanchang Community, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China

3.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 779513 Designation Number: CN1319

Shenzhen HTT Technology Co.,Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA-Lab Cert. No.: 6435.01

Shenzhen HTT Technology Co.,Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

3.3 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Radiated Emission:

Temperature:	24 ° C
Humidity:	45 %
Atmospheric pressure:	950-1050mbar

AC Power Conducted Emission:

Temperature:	25 ° C
Humidity:	46 %
Atmospheric pressure:	950-1050mbar

Conducted testing:

Temperature:	25 ° C
Humidity:	44 %
Atmospheric pressure:	950-1050mbar

3.4 Summary of measurement results

Description of test	Result
Conducted emissions test	Compliant
Radiated emission test	Compliant
The 20dB bandwidth measurement	Compliant
Antenna requirement	Compliant

3.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the Shenzhen HTT Technology Co.,Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen HTT Technology Co.,Ltd. :

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	9KHz~30MHz	3.12 dB	(1)
Radiated Emission	30~1000MHz	4.37 dB	(1)
Radiated Emission	1~18GHz	5.40 dB	(1)
Radiated Emission	18-40GHz	5.45 dB	(1)
Conducted Disturbance	0.15~30MHz	2.68 dB	(1)
Output Peak power	30MHz~18GHz	0.57 dB	(1)
Power spectral density	/	0.54 dB	(1)
Spectrum bandwidth	/	1.2%	(1)
Radiated spurious emission (30MHz-1GHz)	30~1000MHz	4.25 dB	(1)
Radiated spurious emission (1GHz-18GHz)	1~18GHz	4.15 dB	(1)
Radiated spurious emission (18GHz-40GHz)	18-40GHz	5.35 dB	(1)

- (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

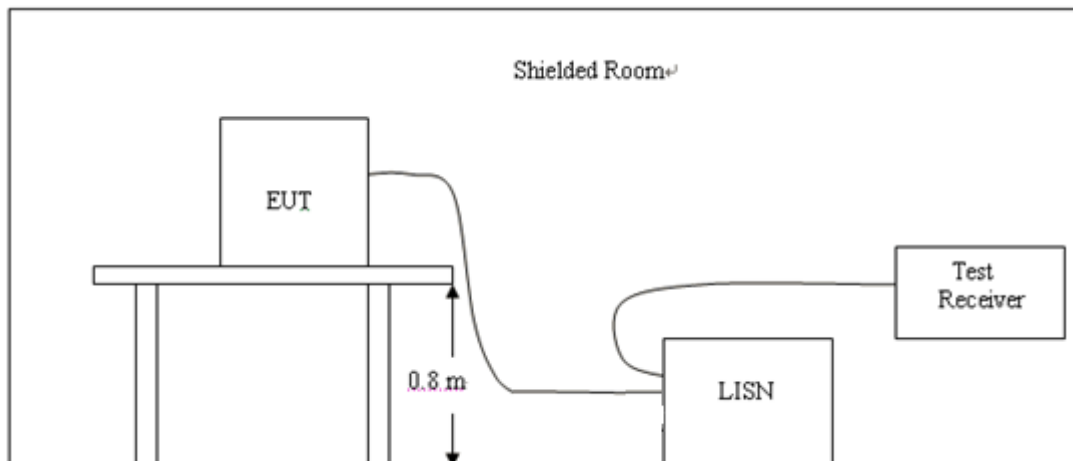
3.6 Equipments Used during the Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	Shenzhen C.R.T technology co., LTD	9*6*6	HTT-E028	Aug. 10 2024	Aug. 09 2027
2	Control Room	Shenzhen C.R.T technology co., LTD	4.8*3.5*3.0	HTT-E030	Aug. 10 2024	Aug. 09 2027
3	EMI Test Receiver	Rohde&Schwarz	ESCI7	HTT-E022	Apr. 20 2026	Apr. 19 2027
4	Spectrum Analyzer	ROHDE&SCHWARZ	FSV40-N	HTT-E050	Apr. 20 2026	Apr. 19 2027
5	Coaxial Cable	ZDecl	ZT26-NJ-NJ-0.6M	HTT-E018	Apr. 20 2026	Apr. 19 2027
6	Coaxial Cable	ZDecl	ZT26-NJ-SMAJ-2M	HTT-E019	Apr. 20 2026	Apr. 19 2027
7	Coaxial Cable	ZDecl	ZT26-NJ-SMAJ-0.6M	HTT-E020	Apr. 20 2026	Apr. 19 2027
8	Coaxial Cable	ZDecl	ZT26-NJ-SMAJ-8.5M	HTT-E021	Apr. 20 2026	Apr. 19 2027
9	Composite logarithmic antenna	Schwarzbeck	VULB 9168	HTT-E017	Apr. 18 2026	Apr. 17 2027
10	Horn Antenna	Schwarzbeck	BBHA9120D	HTT-E016	Apr. 18 2026	Apr. 17 2027
11	Loop Antenna	Zhinan	ZN30900C	HTT-E039	Apr. 21 2026	Apr. 20 2027
12	Horn Antenna	A.H. Systems, inc.	SAS-574	HTT-E040	Jun. 06 2026	Jun. 05 2027
13	low frequency Amplifier	Sonoma Instrument	310	HTT-E015	Apr. 20 2026	Apr. 19 2027
14	high-frequency Amplifier	HP	8449B	HTT-E014	Apr. 22 2026	Apr. 21 2027
15	Variable frequency power supply	Shenzhen Anbiao Instrument Co., Ltd	ANB-10VA	HTT-082	Apr. 20 2026	Apr. 19 2027
16	EMI Test Receiver	Rohde & Schwarz	ESCI3	HTT-E043	Apr. 20 2026	Apr. 19 2027
17	Artificial Mains	Rohde & Schwarz	ESH3-Z5	HTT-E006	Apr. 20 2026	Apr. 19 2027
18	Artificial Mains	Rohde & Schwarz	ENV-216	HTT-E038	Apr. 20 2026	Apr. 19 2027
19	Cable Line	Robinson	Z302S-NJ-BNCJ-1.5M	HTT-E001	Apr. 20 2026	Apr. 19 2027
20	Filter	ROHDE&SCHWARZ	ESH3-Z2	HTT-E045	Apr. 20 2026	Apr. 19 2027
21	Variable frequency power supply	Shenzhen Yanghong Electric Co., Ltd	YF-650 (5KVA)	HTT-E032	Apr. 20 2026	Apr. 19 2027
22	Control Room	Shenzhen C.R.T technology co., LTD	8*4*3.5	HTT-E029	Aug. 10 2024	Aug. 09 2027
23	DC power supply	Agilent	E3632A	HTT-E023	Jun. 03 2026	Jun. 02 2027
24	EMI Test Receiver	Agilent	N9020A	HTT-E024	Apr. 20 2026	Apr. 19 2027
25	Analog signal generator	Agilent	N5181A	HTT-E025	Apr. 20 2026	Apr. 19 2027
26	Vector signal generator	Agilent	N5182A	HTT-E026	Apr. 20 2026	Apr. 19 2027
27	RF Switch box	TST	Switchbox	HTT-E047	Apr. 20 2026	Apr. 19 2027
28	Temperature and humidity meter	Shenzhen Anbiao Instrument Co., Ltd	TH10R	HTT-090	Apr. 22 2026	Apr. 21 2027
29	Radiated Emission Test Software	Farad	EZ-EMC	N/A	N/A	N/A
30	Conducted Emission Test Software	Farad	EZ-EMC	N/A	N/A	N/A
31	RF Test Software	TST	panshanrf	N/A	N/A	N/A
32	Amplifier(1-18G)	/	DLNA8-1-18G-9562	HTT-E059	Jun. 03 2026	Jun. 02 2027

4 TEST CONDITIONS AND RESULTS

4.1 AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

- 1, The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
- 2, Support equipment, if needed, was placed as per ANSI C63.10.
- 3, All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4, If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5, All support equipments received AC power from a second LISN, if any.
- 6, The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7, Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.

AC Power Conducted Emission Limit

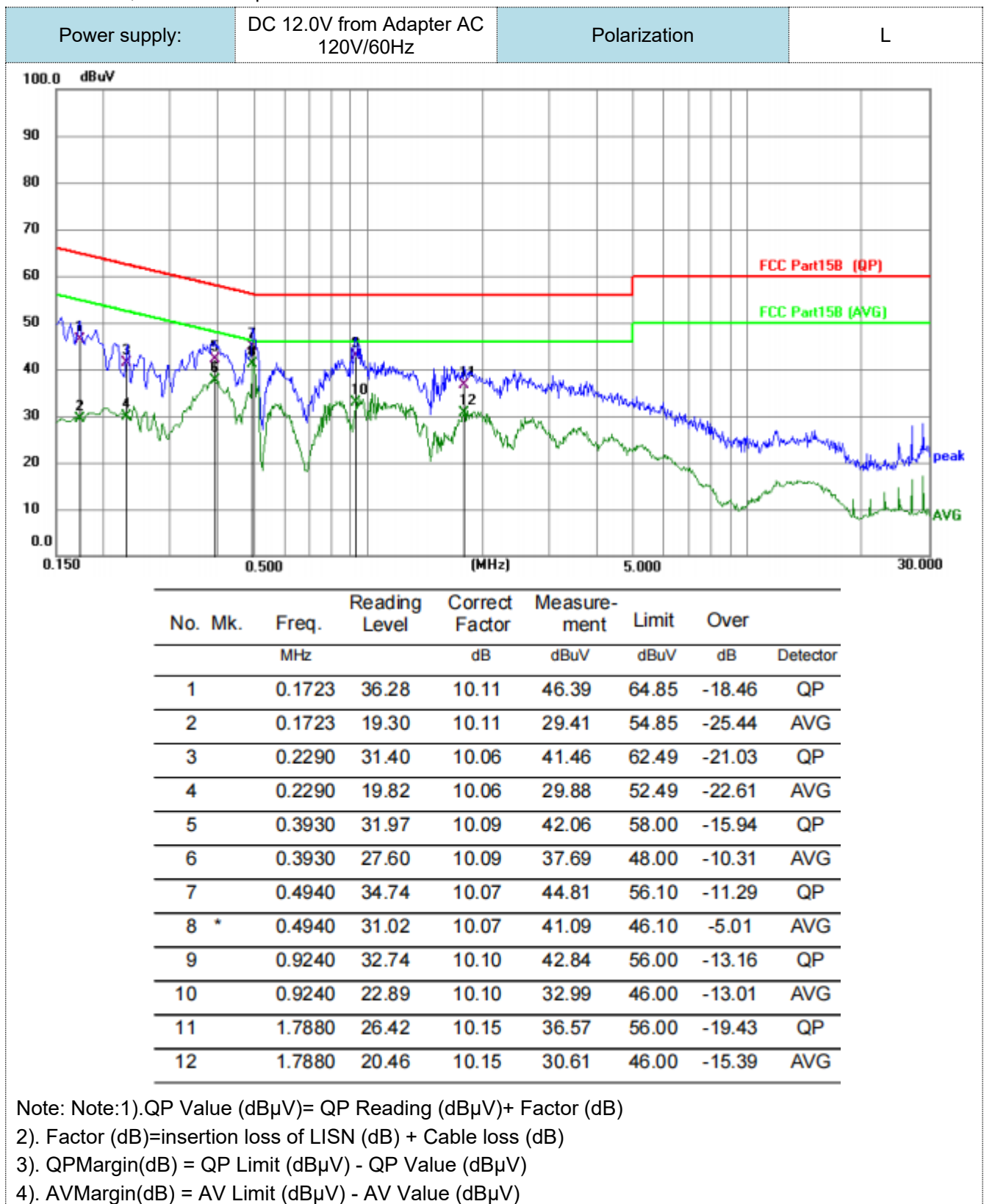
For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following :

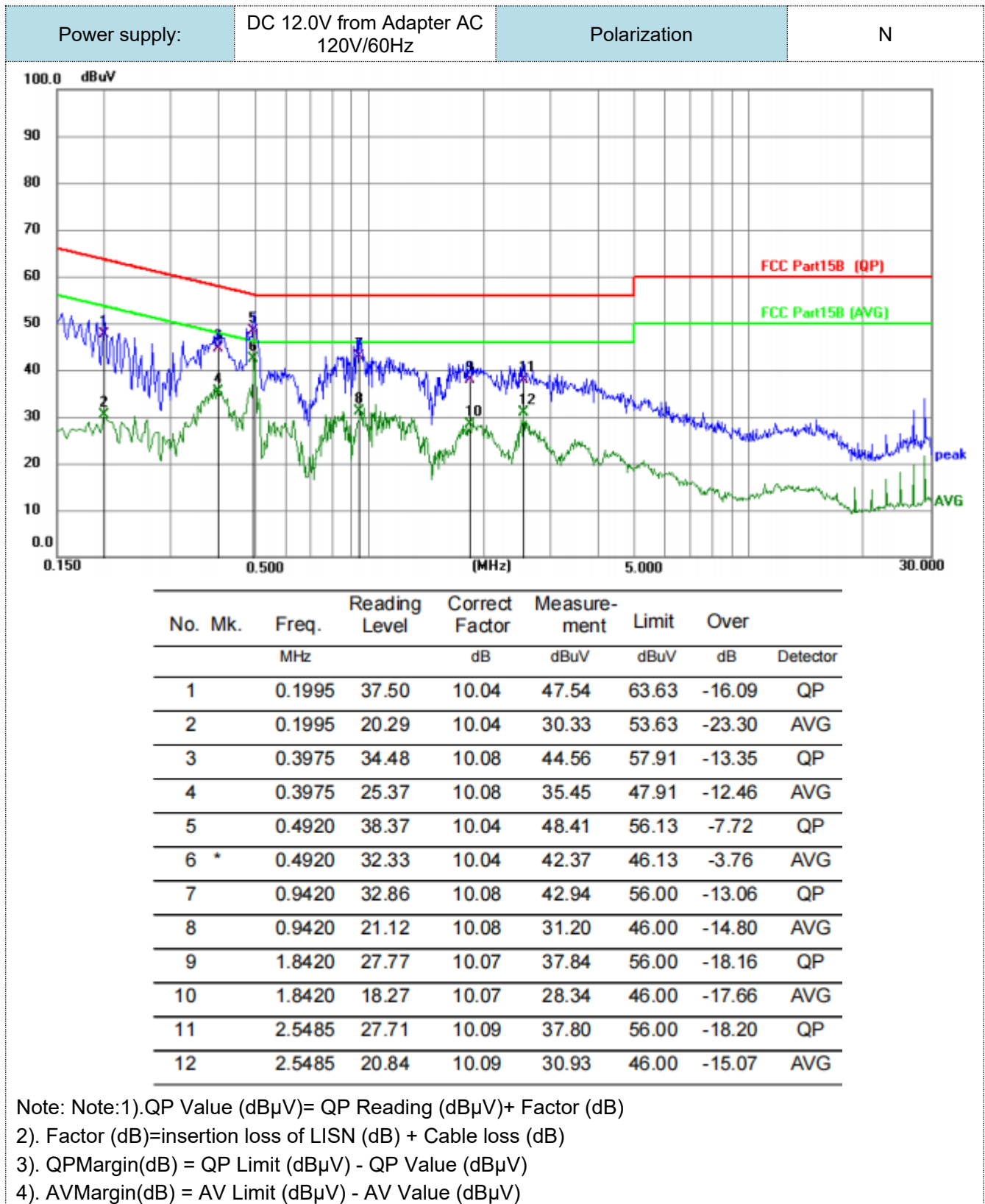
Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST RESULTS

1. Both 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz power supply have been tested, only the worst result of 120 VAC, 60 Hz was reported as below:





4.2 Radiated Emission

Limit

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission out of authorized band shall not exceed the following table at a 3 meters measurement distance.

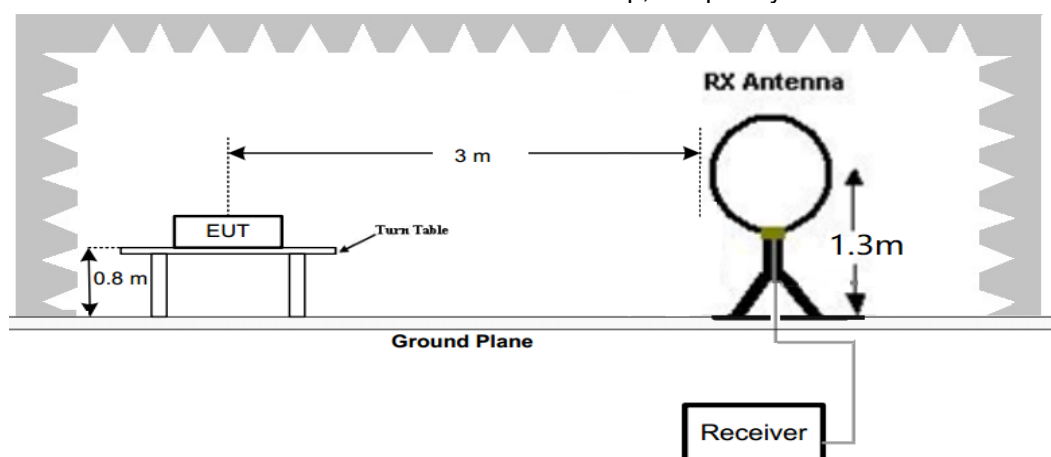
In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)

Radiated emission limits

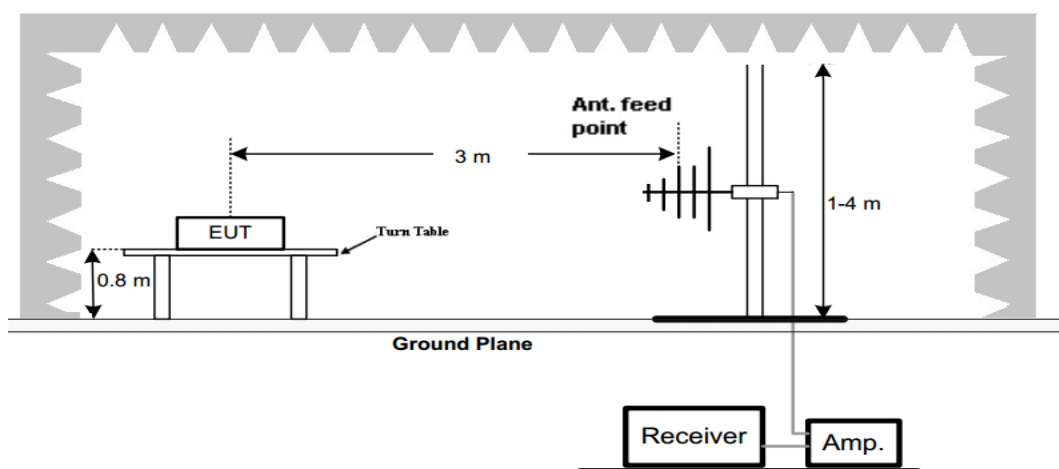
Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30)+40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

TEST CONFIGURATION

1. Radiated Emission Test Set-Up, Frequency Below 30MHz



2. Radiated Emission Test Set-Up, Frequency below 1000MHz



Test Procedure

- Below 1GHz measurement the EUT is placed on a turntable which is 0.8m above ground plane.
- Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0°C to 360°C to acquire the highest emissions from EUT
- And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- Repeat above procedures until all frequency measurements have been completed.
- Radiated emission test frequency band from 9KHz to 1000MHz.
- The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Bilog Antenna	3

- Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz,Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz,Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz,Sweep time=Auto	QP

TEST RESULTS**For 9 KHz-30MHz****WORST-CASE RADIATED EMISSION BELOW 30 MHz**

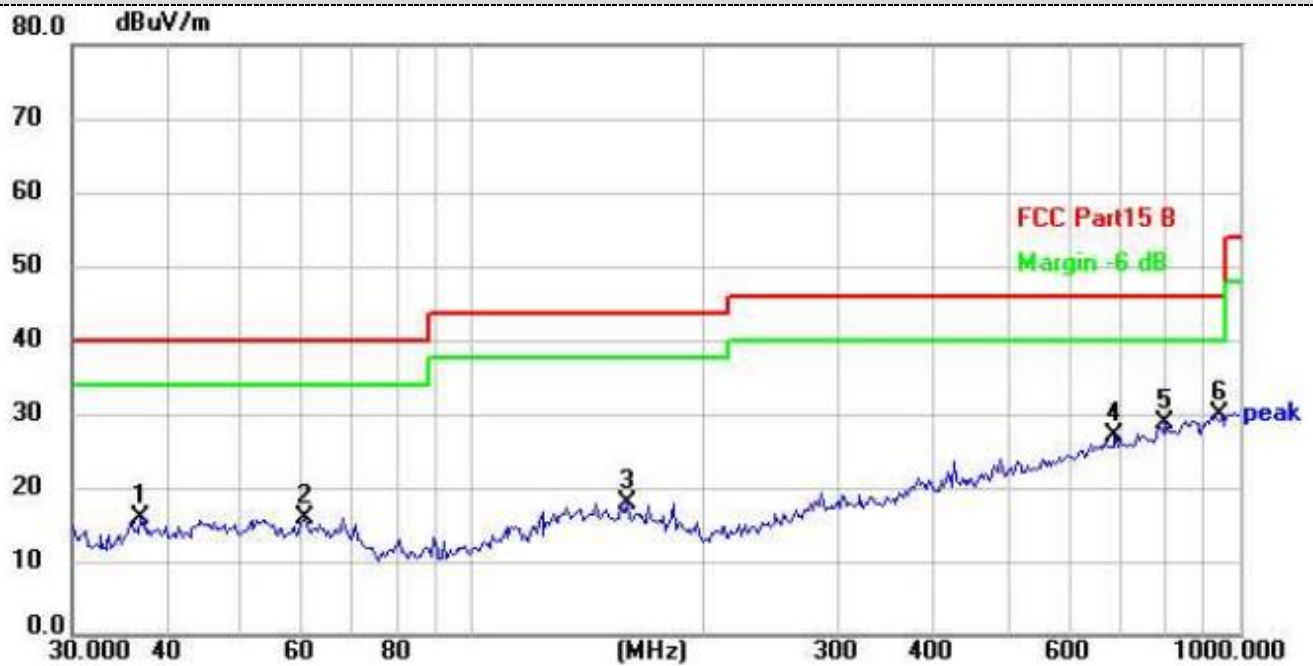
Frequency	Reading	Polar	Antenna Factor	Cable Loss	Emission Levels	Limits at 3m	Margin	Detector Mode
(MHz)	(dBμV/m)	Loop	(dB/m)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
0.1250000(F)	72.75	Loop	23.75	0.02	96.52	105.67	9.15	PK
0.1250000(F)	57.79	Loop	23.75	0.02	81.56	85.67	4.11	AV
0.110	54.28	Loop	23.53	0.02	77.83	106.78	28.95	PK
0.110	49.47	Loop	23.53	0.02	73.02	86.78	13.76	AV
0.288	45.63	Loop	23.89	-0.17	69.35	98.42	29.07	QP
0.471	42.60	Loop	24.27	-0.28	66.59	94.14	27.55	QP
0.549	37.28	Loop	24.39	-0.3	61.37	72.81	11.44	QP
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Remark:

- Data of measurement within this frequency range shown "-- in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits and not recorded.
- The test limit distance is 3m limit.
- PK means Peak Value, QP means Quasi Peak Value, AV means Average Value.
- F means Fundamental Frequency.
- Emission level (dBμV/m) = Reading + Antenna Factor + Cable Loss.
- Margin value = Limit value- Emission level.
- Measured at antenna position coaxial and coplanar, only record the worst case of Coaxial

For 30MHz-1GHz

Horizontal

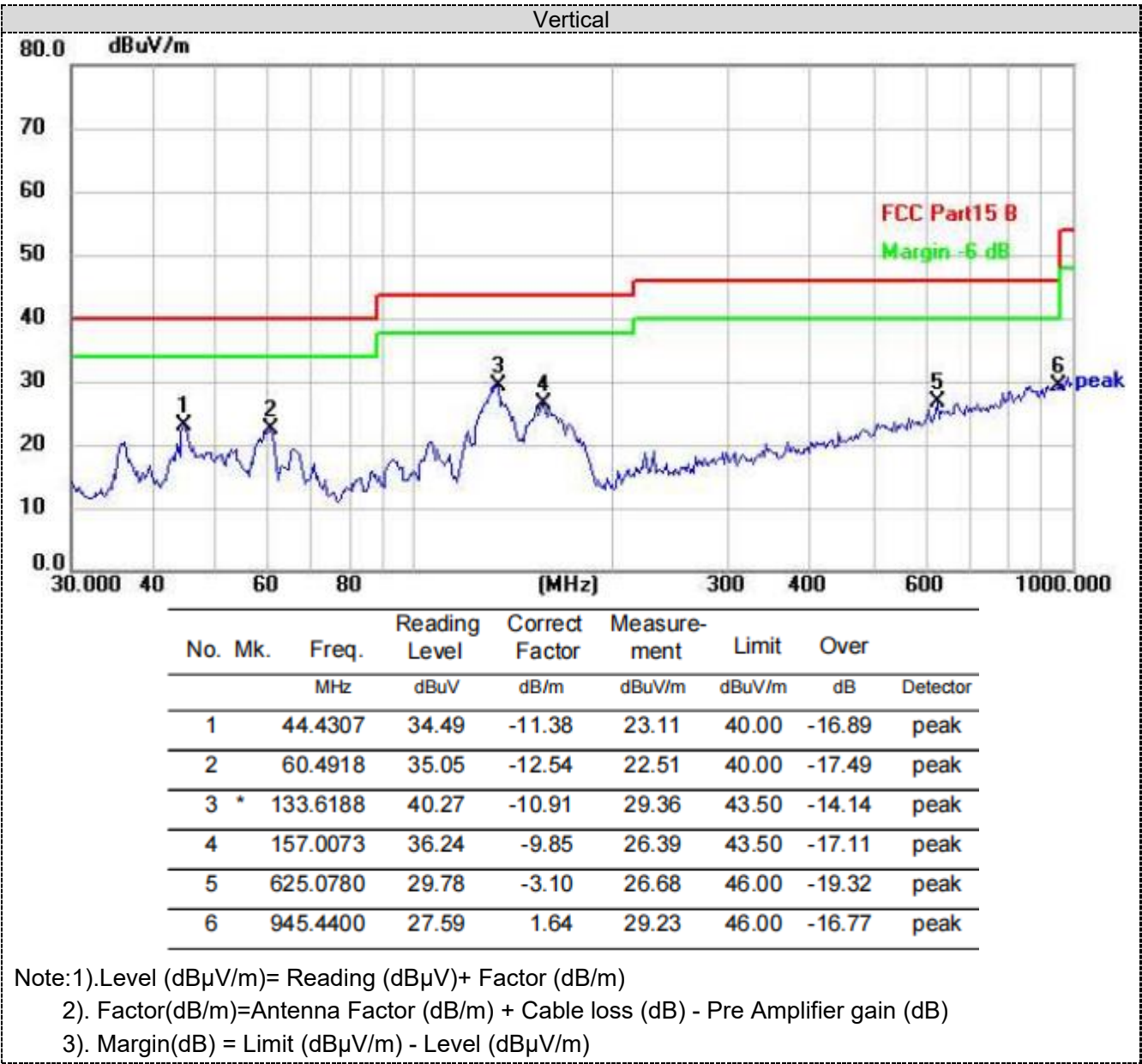


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			Detector
			dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		36.7662	27.86	-12.13	15.73	40.00	-24.27	peak
2		60.4919	28.29	-12.54	15.75	40.00	-24.25	peak
3		159.2251	27.98	-10.01	17.97	43.50	-25.53	peak
4		684.7454	29.49	-2.46	27.03	46.00	-18.97	peak
5		798.9797	28.92	-0.34	28.58	46.00	-17.42	peak
6	*	945.4399	28.13	1.64	29.77	46.00	-16.23	peak

Note: 1). Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)

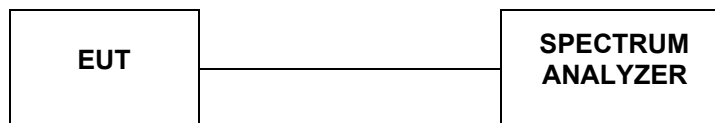
2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin (dB) = Limit (dBuV/m) - Level (dBuV/m)



4.3 The 20dB bandwidth

TEST CONFIGURATION



TEST PROCEDURE

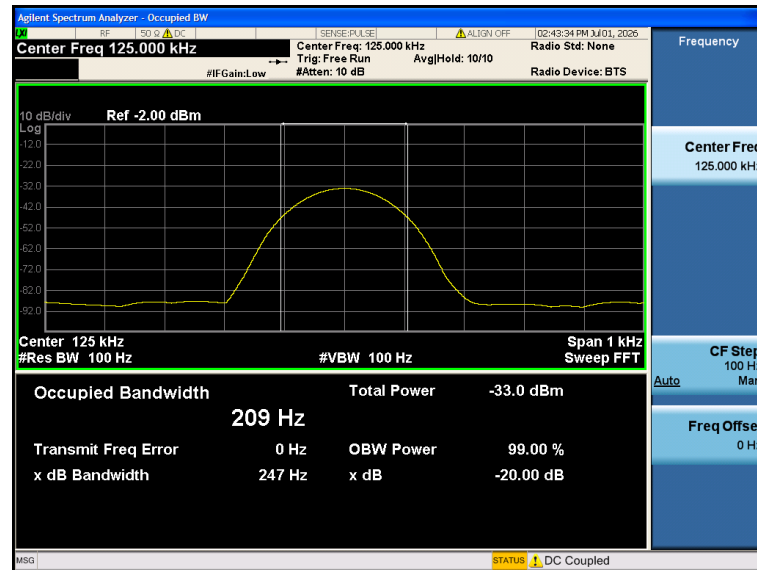
Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that 20dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equip compliance with the 20dB attenuation specification may base on measurement at the intentional radiator's antenna output terminal unless the intentional radiator uses a permanently attached antenna, in which case compliance shall be demonstrated by measuring the radiated emissions.

LIMIT

The 20dB bandwidth shall be less than 80% of the permitted frequency band.

TEST RESULTS

Mode	Freq (KHz)	20dB Bandwidth (KHz)	Conclusion
Tx Mode	125.00	0.247	PASS



4.4 Antenna Requirement

Standard Applicable

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, 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.

Antenna Information

The antenna used in this product is a Loop Antenna, The directional gains of antenna used for transmitting is 0dBi.

5 Test Setup Photos of the EUT

Reference to the test report No. HTT202606701F01.

6 PHOTOS OF THE EUT

Reference to the test report No. HTT202606701F01.

***** End of Report *****