

FCC 47 CFR PART 15 SUBPART C

TEST REPORT

For

Label Printer

MODEL NUMBER: EP71, P71, P71A, P71B, P71C, P71S, P71T, GTP71, GTP71E, GTP71F, GTP71G, GTP71H, GP71, GP71T, GP71U, GP71V, GP71W, GP71X, GP71Y, EP71, EP71R, P71-3R, P71A-3R, P71S-3R, GTP71-3R, GTP71G-3R, GTP71H-3R, GP71-3R, GP71T-3R, GP71U-3R, EP71-3R, EP71R-3R, AP71, AP71A, AP71S, AP71T, AP71P, AP71-3R, AP71A-3R, AP71S-3R, AP71T-3R, BP71, BP71S, BP71-3R, BP71S-3R, W1610, W1610A, W1610B, W1610S, W1610P, W1610, W1610A-3R, W1610B-3R, W1610S-3R, W1610P-3R, M400B, M400B-S, M400B-T, M400B-P, M400B-A, M400B-3R, M400B-S3R, M400B-T3R, M400B-P3R, M400B-A3R, EM7B, EM7B-S, EM7B-P, EM7B-3R, EM7B-S3R, EM7B-P3R, PB7, PB7A, PB7B, PB7H, PB7G, PB7-3R, PB7A-3R, PB7B-3R, PB7H-3R, PB7G-3R

REPORT NUMBER: E04A26040684F00103

ISSUE DATE: August 17, 2026

FCC ID: 2BLKN-EP71

Prepared for

**Chongqing Pinsheng Technology Co., Ltd.
7Floor, No.5 middle Huangshan Avenue, North New Zone, Chongqing**

Prepared by

Guangdong Global Testing Technology Co., Ltd.

**Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park,
Dongguan city, Guangdong, People's Republic of China, 523808**

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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
<u>V0</u>	<u>August 17, 2026</u>	<u>Initial Issue</u>	<u></u>

Summary of Test Results			
Clause	Test Items	FCC Rules	Test Results
1	99 % Emission Bandwidth and 20 dB Bandwidth	CFR 47 FCC §15.215 (c) RSS-Gen Clause 6.7	PASS
2	Transmitter Frequency Stability (Temperature & Voltage Variation)	CFR 47 FCC §15.225(e) ISED RSS-Gen Clause 6.11 ISED RSS-210 Annex B.6	PASS
3	Fundamental Field Strength	CFR 47 FCC §5.225(a)(b)(c)(d) ISED RSS-Gen Clause 6.12 ISED RSS-210 Annex B.6	PASS
4	Radiated Emissions	CFR 47 FCC§15.209(a) CFR 47 FCC§15.225(d) ISED RSS-Gen Clause 6.13 ISED RSS-210 Annex B.6	PASS
5	Band Edge Radiated Emissions	CFR 47 FCC §15.209(a) CFR 47 FCC §15.225(c)(d) ISED RSS-Gen Clause 6.13 ISED RSS-210 Annex B.6	PASS
6	Conducted Emission Test for AC Power Port	CFR 47 FCC §15.207 ISED RSS-Gen Clause 8.8	PASS
7	Antenna Requirement	CFR 47 FCC §15.203 ISED RSS-Gen Clause 6.8	Pass
Note 1: This test report is only published to and used by the applicant, and it is not for evidence purpose in China. Note 2: The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 15 SUBPART C, ISED RSS-210 ISSUE 11 and ISED RSS-GEN Issue 5 > when <Accuracy Method> decision rule is applied.			

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Chongqing Pinsheng Technology Co., Ltd.
Address: 7Floor, No.5 middle Huangshan Avenue, North New Zone,
Chongqing

Manufacturer Information

Company Name: Chongqing Pinsheng Technology Co., Ltd.
Address: 7Floor, No.5 middle Huangshan Avenue, North New Zone,
Chongqing

EUT Information

Product Description: Label Printer
Model: EP71
Series Model: P71, P71A, P71B, P71C, P71S, P71T, GTP71, GTP71E, GTP71F, GTP71G, GTP71H, GP71, GP71T, GP71U, GP71V, GP71W, GP71X, GP71Y, EP71, EP71R, P71-3R, P71A-3R, P71S-3R, GTP71-3R, GTP71G-3R, GTP71H-3R, GP71-3R, GP71T-3R, GP71U-3R, EP71-3R, EP71R-3R, AP71, AP71A, AP71S, AP71T, AP71P, AP71-3R, AP71A-3R, AP71S-3R, AP71T-3R, BP71, BP71S, BP71-3R, BP71S-3R, W1610, W1610A, W1610B, W1610S, W1610P, W1610, W1610A-3R, W1610B-3R, W1610S-3R, W1610P-3R, M400B, M400B-S, M400B-T, M400B-P, M400B-A, M400B-3R, M400B-S3R, M400B-T3R, M400B-P3R, M400B-A3R, EM7B, EM7B-S, EM7B-P, EM7B-3R, EM7B-S3R, EM7B-P3R, PB7, PB7A, PB7B, PB7H, PB7G, PB7-3R, PB7A-3R, PB7B-3R, PB7H-3R, PB7G-3R

Brand: WEWIN, JINGJING, MAKEID
Sample Received Date: June 18, 2026
Sample Status: Normal
Sample ID: A26040684 001
Date of Tested: June 18, 2026 to August 17

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	PASS

Prepared By:



Ekko Wu
Project Engineer

Checked By:



Alan He
Laboratory Leader

Approved By:



Alan He
Laboratory Manager



2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 414788 D01 Radiated Test Site v01r01, FCC CFR 47 Part 2, FCC CFR 47 Part 15, ANSI C63.10-2013, ISED RSS-210 ISSUE 11 and RSS-GEN Issue 5.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 6947.01) Guangdong Global Testing Technology Co., Ltd. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1343) Guangdong Global Testing Technology Co., Ltd. has been recognized to perform compliance testing on equipment subject to Supplier's Declaration of Conformity (SDoC) and Certification rules ISED (Company No.: 30714) Guangdong Global Testing Technology Co., Ltd. has been registered and fully described in a report filed with ISED. The Company Number is 30714 and the test lab Conformity Assessment Body Identifier (CABID) is CN0148.
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Note: All tests measurement facilities use to collect the measurement data are located at Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park, Dongguan city, Guangdong, People's Republic of China, 523808

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognize national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

1. Test Items	k	Uncertainty
DTS Bandwidth	1.96	±9.2 PPM
20dB Emission Bandwidth	1.96	±9.2 PPM
Carrier Frequency Separation	1.96	±9.2 PPM
Time of Occupancy	1.96	±0.57%
Conducted Output Power	1.96	±1.5 dB
Power Spectral Density Level	1.96	±1.9 dB
Conducted Spurious Emission	1.96	9 kHz-30 MHz: ± 0.95 dB 30 MHz-1 GHz: ± 1.5 dB 1GHz-12.75GHz: ± 1.8 dB 12.75 GHz-26.5 GHz: ± 2.1dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.		

Test Item	Measurement Frequency Range	K	U(dB)
Conducted emissions from the AC mains power ports (AMN)	150 kHz ~ 30 MHz	2	3.37
Radiated emissions	9 kHz ~ 30 MHz	2	4.16
Radiated emissions	30 MHz ~ 1 GHz	2	3.79
Radiated emissions	1 GHz ~ 18 GHz	2	5.62
Radiated emissions	18 GHz ~ 40 GHz	2	5.54
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.			

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Portable Smart Label Printer	
Model	EP71	
Series Model	P71, P71A, P71B, P71C, P71S, P71T, GTP71, GTP71E, GTP71F, GTP71G, GTP71H, GP71, GP71T, GP71U, GP71V, GP71W, GP71X, GP71Y, EP71, EP71R, P71-3R, P71A-3R, P71S-3R, GTP71-3R, GTP71G-3R, GTP71H-3R, GP71-3R, GP71T-3R, GP71U-3R, EP71-3R, EP71R-3R, AP71, AP71A, AP71S, AP71T, AP71P, AP71-3R, AP71A-3R, AP71S-3R, AP71T-3R, BP71, BP71S, BP71-3R, BP71S-3R, W1610, W1610A, W1610B, W1610S, W1610P, W1610, W1610A-3R, W1610B-3R, W1610S-3R, W1610P-3R, M400B, M400B-S, M400B-T, M400B-P, M400B-A, M400B-3R, M400B-S3R, M400B-T3R, M400B-P3R, M400B-A3R, EM7B, EM7B-S, EM7B-P, EM7B-3R, EM7B-S3R, EM7B-P3R, PB7, PB7A, PB7B, PB7H, PB7G, PB7-3R, PB7A-3R, PB7B-3R, PB7H-3R, PB7G-3R	
Model Difference	All models are the same except for the model names, colors, Resolution, Brands.	
Product Description	Operation Frequency	13.56 MHz
Ratings	5V 1.4A; 7.4V 2600mAh 19.24Wh	

Operation Frequency:	13.56 MHz
Type of Modulation:	ASK

5.2. CHANNEL LIST

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	13.56	/	/	/	/	/	/

5.3. MAXIMUM FIELD STRENGTH

Frequency (MHz)	Max field strength (dB μ V/m)
13.56	45.44

5.4. TEST CHANNEL CONFIGURATION

Test Channel	Frequency
CH 1(Low Channel)	13.56 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worst Case Power Setting Parameter under 13.56MHz Band		
Test Software Version		/
Modulation Type	Transmit Antenna Number	Test Software setting value
		CH 1
ASK	1	default

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	13.56	Inductive-loop	0

5.7. SUPPORT UNITS FOR SYSTEM TEST

The following support units or accessories were used to form a representative test configuration during the tests.

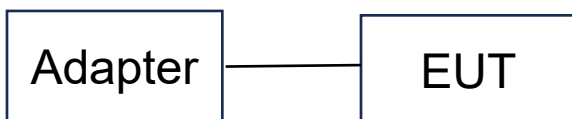
Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Laptop	Lenovo	T14	/	GTG Support
E-1	Adapter	Xiaomi	MDY-11-EX	N/A	GTG Support

5.8. SETUP DIAGRAM

Radiated Emissions:



AC Power Line Conducted Emission:



5.9. MEASURING INSTRUMENT AND SOFTWARE USED

Test Equipment of Continuous RF electromagnetic field disturbances					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Stacked Log-Per-Broadband Antenna	Schwarzbeck	STLP 9129	170	N/A	N/A
Power amplifier	MiCOTOP	MPA-80-1000-500	MPA2209336	8/23/2025	8/22/2026
Power amplifier	MiCOTOP	MPA-1000-6000-100	MPA2209337	8/23/2025	8/22/2026
EPM Series Power Meter	Keysight	N1914A	MY53240003	8/23/2025	8/22/2026
Average Power Sensor	Keysight	E9304A	MY41498925	8/23/2025	8/22/2026
Average Power Sensor	Keysight	E9304A	MY41497454	8/23/2025	8/22/2026
EXG Analog Signal Generator	Keysight	N5171B	MY61252624	8/23/2025	8/22/2026
Field Probe	Narda	EP 601	811ZX11137	8/26/2025	8/25/2026
Microphone kit	Magasig	MPA 663	220803075	8/25/2025	8/24/2026
Test Software for RS	HzEMC	FASLAB-RS	V2.7.2.3	N/A	N/A

Test Equipment of Radiated emissions below 1GHz					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
3m Semi-anechoic Chamber	ETS	9m*6m*6m	Q2146	2025/08/23	2026/08/22
EMI Test Receiver	Rohde & Schwarz	ESCI3	101144	2025/08/23	2026/08/22
Pre-Amplifier	HzEMC	HPA-9K0130	HYP A21001	2025/08/23	2026/08/22
Biconilog Antenna	Schwarzbeck	VULB 9168	01315	2025/09/20	2028/09/19
Biconilog Antenna	ETS	3142E	00243651	2025/02/22	2028/02/21
Loop Antenna	ETS	6502	00243668	2025/02/22	2028/02/21
RF Cable	TIMES Microwave	LMR240UF-NMNM-14M	N/A	2025/08/23	2026/08/22
RF Cable	TIMES Microwave	HF205-NMNM-11.00M	N/A	2025/08/23	2026/08/22
RF Cable	JCT	JCT-06S-NJ-NJ-2.5M	N/A	2025/08/23	2026/08/22
Test Software	Farad	EZ-EMC (Ver.FA-03A2 RE)	N/A	N/A	N/A

Test Equipment of Conducted emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Shielded Room	CHENG YU	8m*5m*4m	N/A	2025/08/23	2026/08/22

EMI Test Receiver	Rohde & Schwarz	ESR3	102647	2025/08/23	2026/08/22
LISN/AMN	Rohde & Schwarz	ENV216	102843	2025/08/23	2026/08/22
NNLK 8129 RC	Schwarzbeck	NNLK 8129 RC	5046	2025/08/23	2026/08/22
Test Software	Farad	EZ-EMC (Ver. EMC-con-3A1 1+)	N/A	N/A	N/A

6. ANTENNA PORT TEST RESULTS

6.1. 99 % BANDWIDTH and 20 dB Bandwidth

LIMITS

FCC Part15 (15.247) Subpart C RSS-247 ISSUE 2		
Section	Test Item	Limit
ISED RSS-Gen Clause 6.7 Issue 5	99 % Occupied Bandwidth and 20 dB Bandwidth	For reporting purposes only.

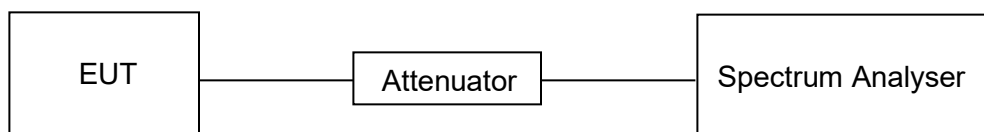
TEST PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	1 % to 5 % of the occupied bandwidth
VBW	approximately 3×RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize and 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 99 % relative to the maximum level measured in the fundamental emission.

TEST SETUP

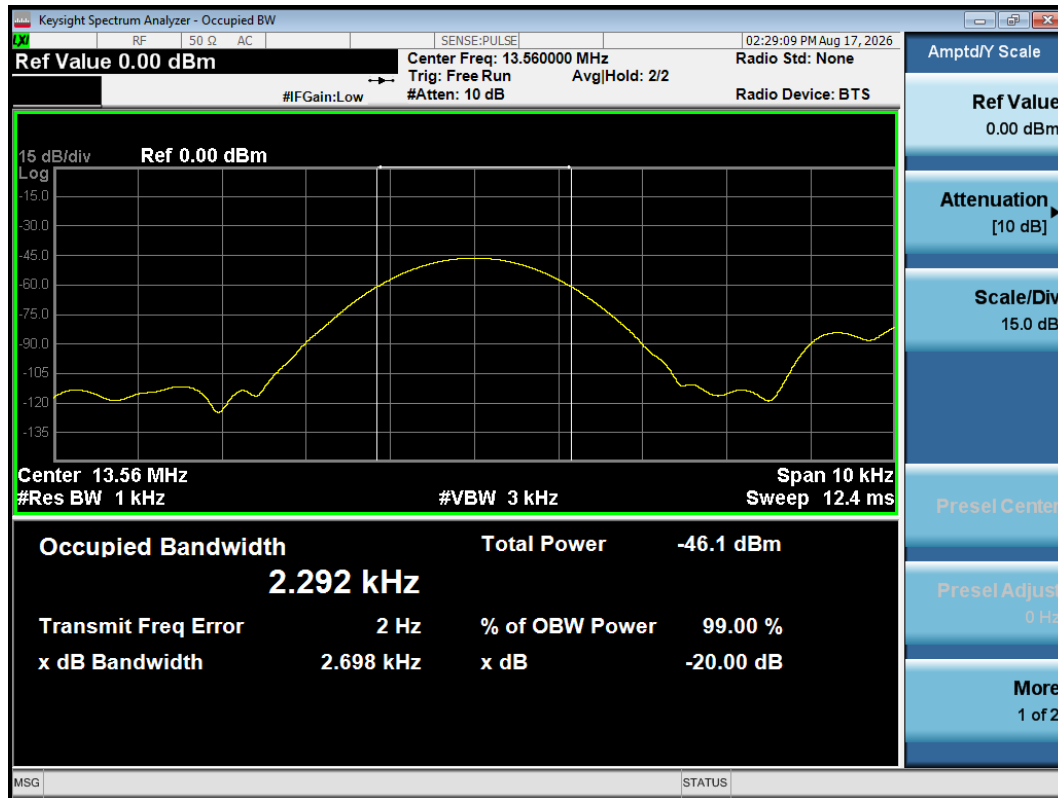


TEST ENVIRONMENT

Temperature	24.1°C	Relative Humidity	52%
Atmosphere Pressure	101 kPa		

RESULTS

Frequency (MHz)	99 % bandwidth (kHz)	20 dB bandwidth (kHz)
13.56	2.292	2.698



6.2. TRANSMITTER FREQUENCY STABILITY

LIMITS

CFR 47 FCC §15.225(e)

ISED RSS-210 Annex B.6

The frequency tolerance of the carrier signal shall be maintained within ± 0.01 % of the operating frequency over a temperature variation of -20 degrees to $+ 50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85 % to 115 % of the rated supply voltage at a temperature of 20 degrees C.

TEST SETUP AND PROCEDURE

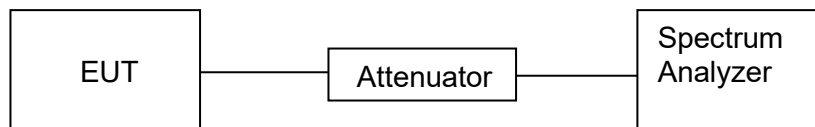
Connect the UUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	PEAK
RBW	10 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.1°C	Relative Humidity	52%
Atmosphere Pressure	101 kPa		

TEST RESULTS

Maximum frequency error of the EUT with variations in ambient temperature

Temperature (°C)	Time after Start-			
	0 minutes	2 minutes	5 minutes	10 minutes
NT	13.5604 MHz	13.5604 MHz	13.5603 MHz	13.5605 MHz
LT	13.5606 MHz	13.5606 MHz	13.5604 MHz	13.5605 MHz
HT	13.5605 MHz	13.5602 MHz	13.5606 MHz	13.5607 MHz

Maximum frequency error of the EUT with variations in nominal operating voltage at an ambient normal temperature

Supply Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Error (Hz)	Frequency Error (%)	Limit (%)	Margin (%)	Result
110	13.56	13.5606	600	0.004	0.01	0.006	Pass
120	13.56	13.5606	600	0.004	0.01	0.006	Pass
130	13.56	13.5606	600	0.004	0.01	0.006	Pass

7. RADIATED EMISSION TEST RESULTS

LIMITS

Fundamental field strength

FCC Reference:	Part 15.225(a)(b)(c)(d) & 15.209(a)
ISED Canada Reference:	RSS-Gen 6.13 & RSS-210 B.6 & RSS-GEN Clause 8.9
Test Method Used:	ANSI C63.10 Sections 6.3, 6.4 and 6.5

Frequency (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measured Distance (Meters)
13.553-13.567	15848	84	30
13.410-13.553/13.567-13.710	334	50.47	30
13.110-13.410/13.710-14.010	106	40.51	30

Note(s):

1. The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

2. The limit is specified at a test distance of 30 meters. However, as specified by FCC Section 15.31 (f)(2) / RSS-Gen Section 6.4, measurements may be performed at a closer distance and the measured level corrected to the specified measurement distance by using the square of an inverse linear distance extrapolation factor (40dB/decade).

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz-1 GHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Note: 1) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

(2) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.

Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

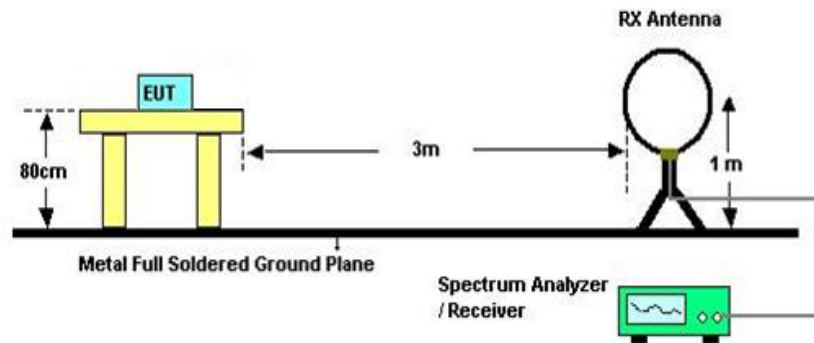
IC Restricted bands please refer to ISED RSS-GEN Clause 8.10

Table 7 – Restricted frequency bands ^{Note 1}		
MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 - 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 - 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 - 138		

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

TEST SETUP AND PROCEDURE

Below 30 MHz

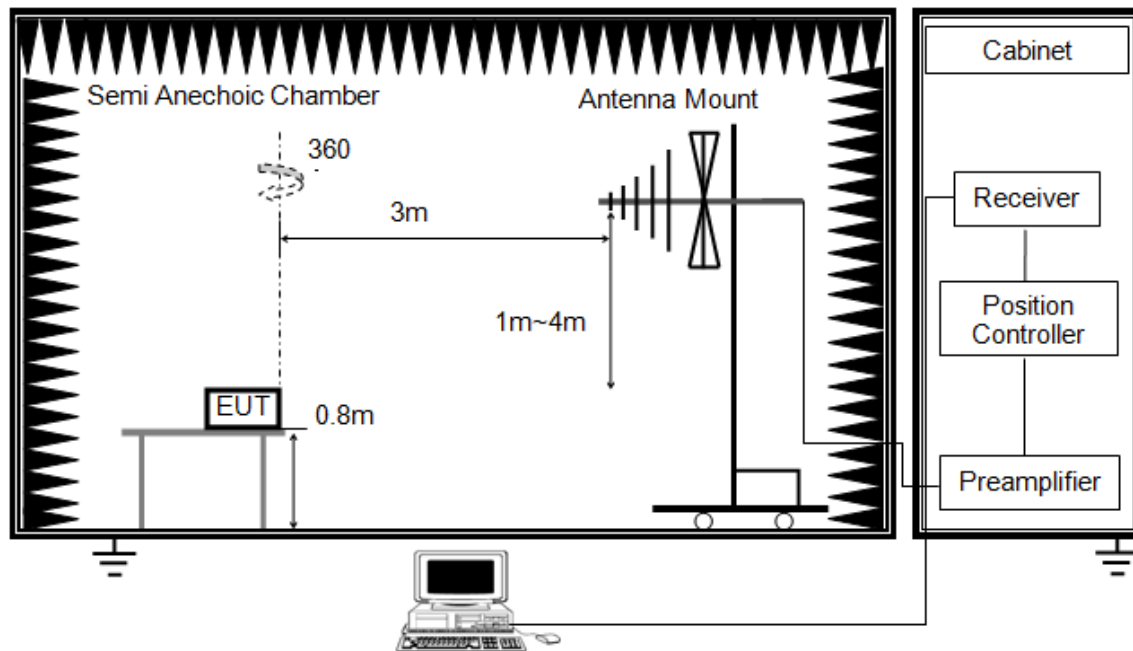


The setting of the spectrum analyser

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1m height antenna tower.
5. 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.
6. 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.
7. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
8. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open field site. Therefore, the sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

Below 1 GHz

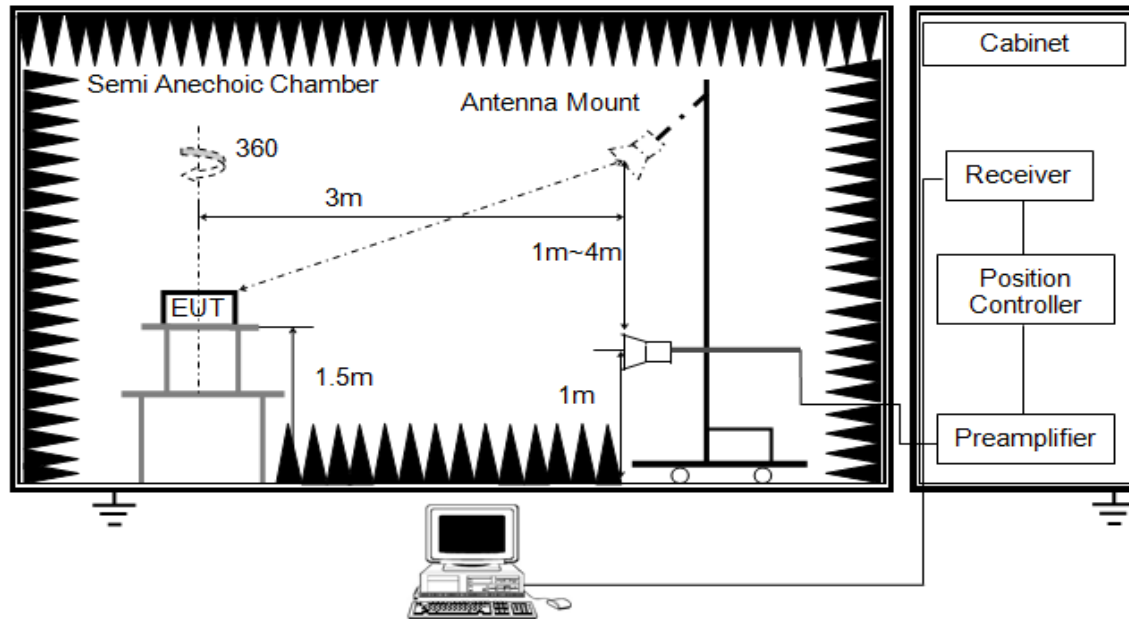


The setting of the spectrum analyser

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm above ground.
4. 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.
5. 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.
6. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
7. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

Above 1 GHz

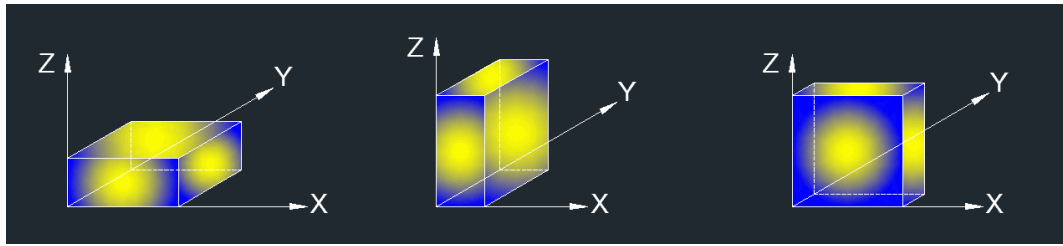


The setting of the spectrum analyser

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (1.5 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter or band reject filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm above ground.
4. 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.
5. 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.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements. Where necessary, average emission are determined by applying the Duty Cycle Correction Factor to the peak measurements. For the Duty Cycle and Correction Factor please refer to clause 6.1. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



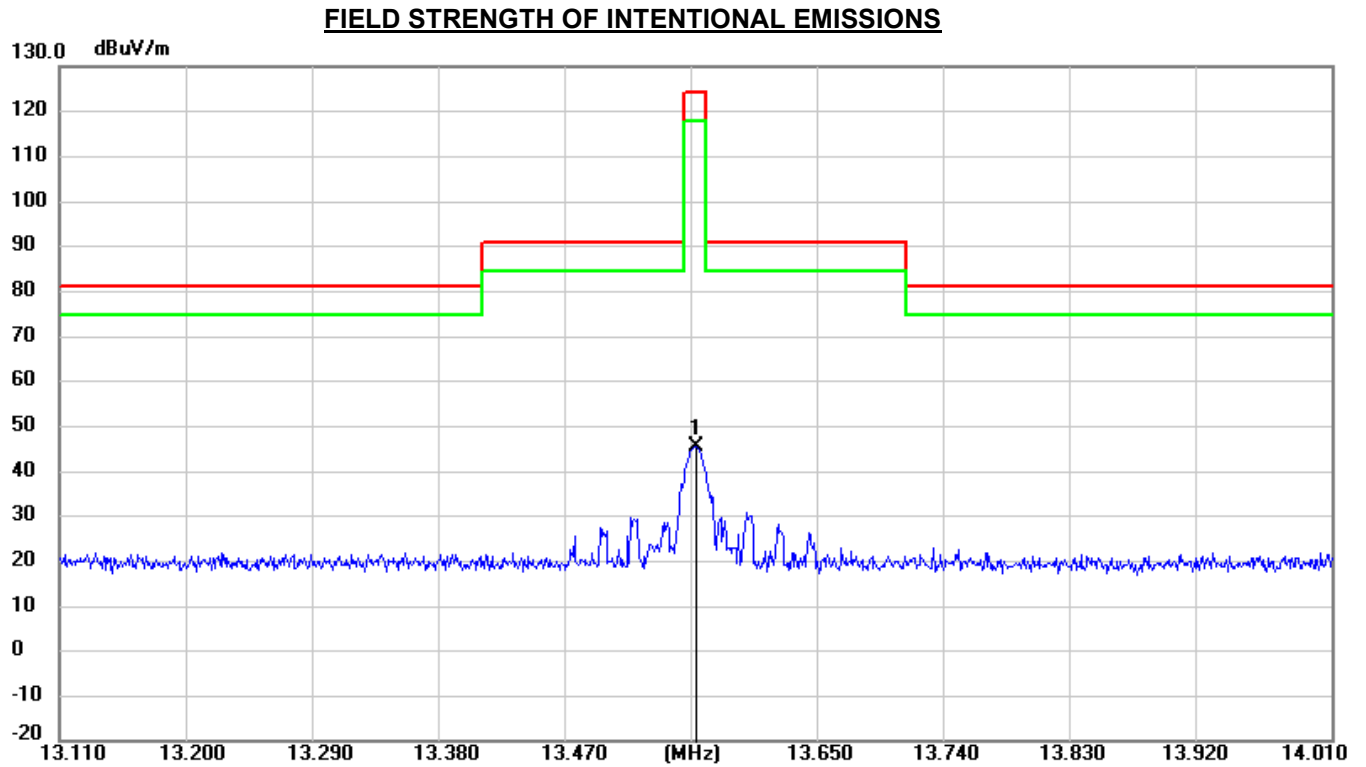
Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis for horizontal and Y axis for vertical) data recorded in the report.

TEST ENVIRONMENT

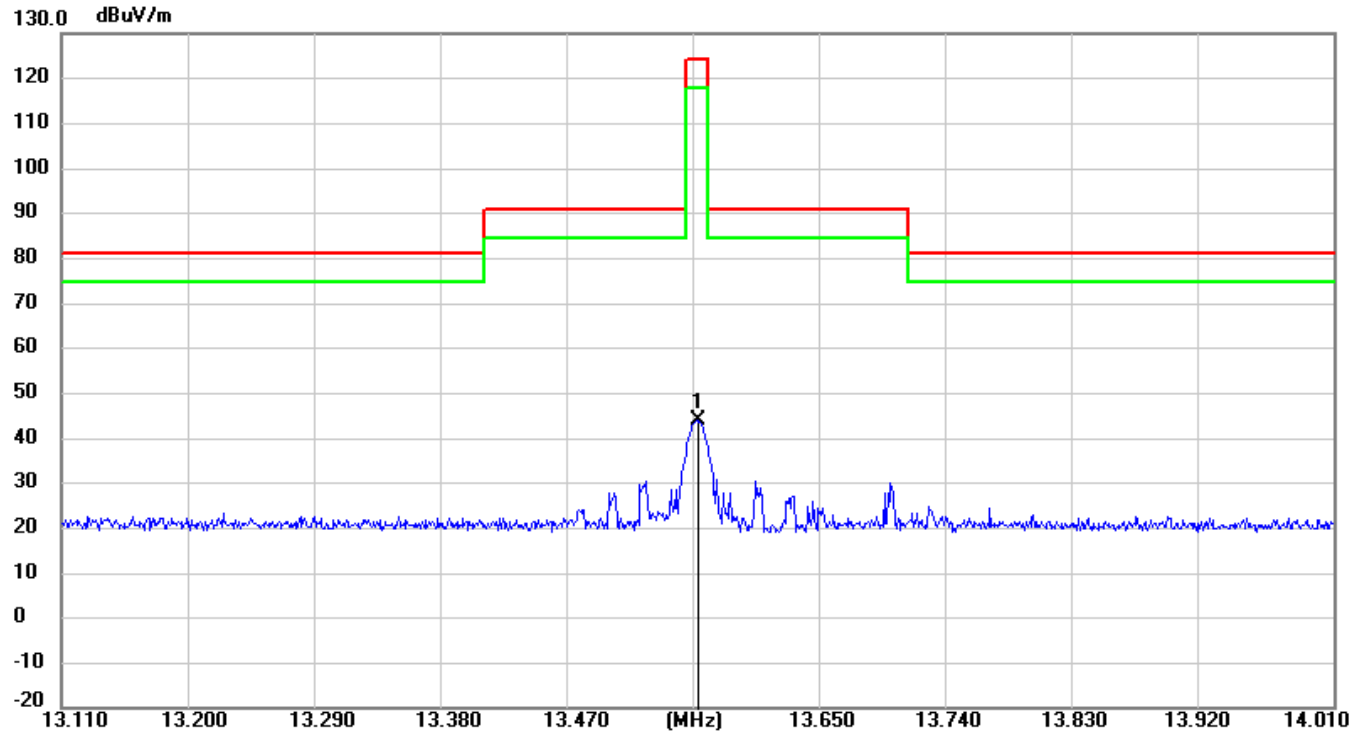
Temperature	24.1°C	Relative Humidity	52%
Atmosphere Pressure	101 kPa		

RESULTS

7.1. FIELD STRENGTH OF INTENTIONAL EMISSIONS

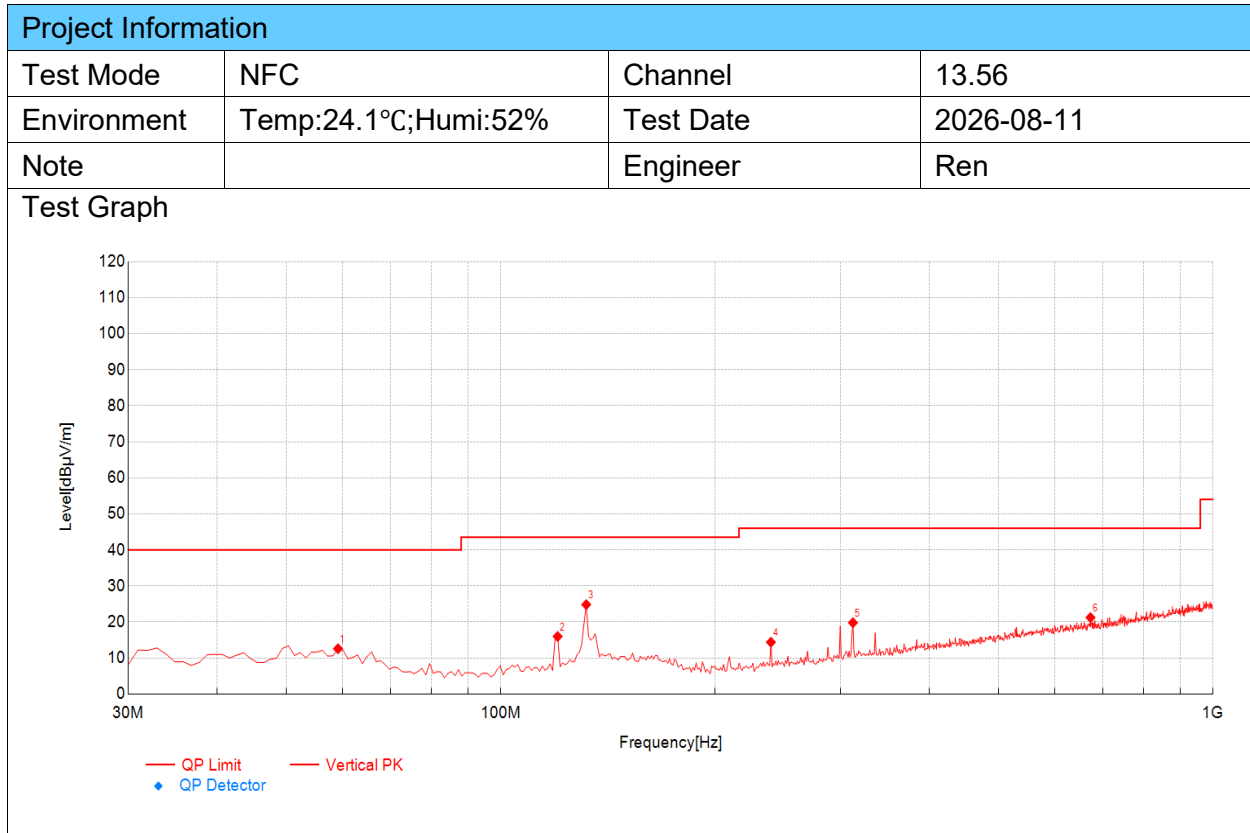


No.	Frequency (MHz)	Antenna Polarization	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1 *	13.5600	0°	34.71	10.73	45.44	124.00	-78.56	peak	

FIELD STRENGTH OF INTENTIONAL EMISSIONS

No.	Frequency (MHz)	Antenna Polarization	Reading Level (dBuV)	Correct Factor (dB/m)	Measure- ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1 *	13.5600	90°	33.13	10.73	43.86	124.00	-80.14	peak	

7.2. SPURIOUS EMISSIONS BELOW 1 GHz AND ABOVE 30 MHz



Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	59.10	32.63	12.58	-20.05	40.00	27.42	PK	Vertical	PASS
2	120.21	36.45	15.98	-20.47	43.50	27.52	PK	Vertical	PASS
3	131.85	44.00	24.82	-19.18	43.50	18.68	PK	Vertical	PASS
4	239.52	34.95	14.38	-20.57	46.00	31.62	PK	Vertical	PASS
5	312.27	38.11	19.81	-18.30	46.00	26.19	PK	Vertical	PASS
6	673.11	30.80	21.23	-9.57	46.00	24.77	PK	Vertical	PASS

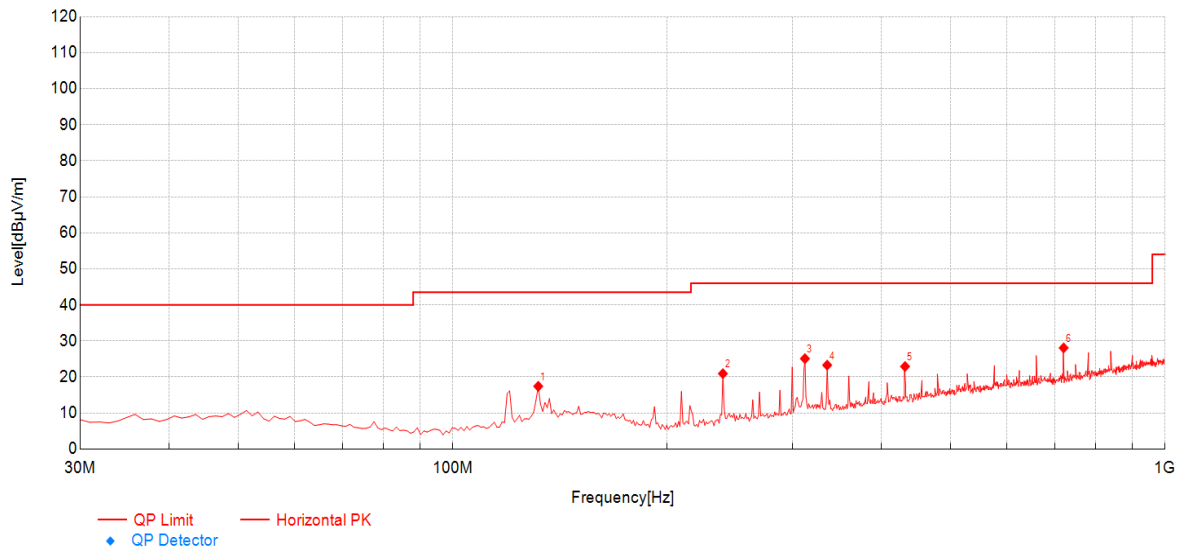
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Project Information

Test Mode	NFC	Channel	13.56
Environment	Temp:24.1°C;Humi:52%	Test Date	2026-08-11
Note		Engineer	Ren

Test Graph



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	131.85	36.59	17.41	-19.18	43.50	26.09	PK	Horizontal	PASS
2	239.52	41.49	20.92	-20.57	46.00	25.08	PK	Horizontal	PASS
3	312.27	43.38	25.08	-18.30	46.00	20.92	PK	Horizontal	PASS
4	335.55	40.91	23.29	-17.62	46.00	22.71	PK	Horizontal	PASS
5	431.58	37.89	22.91	-14.98	46.00	23.09	PK	Horizontal	PASS
6	720.64	37.10	28.06	-9.04	46.00	17.94	PK	Horizontal	PASS

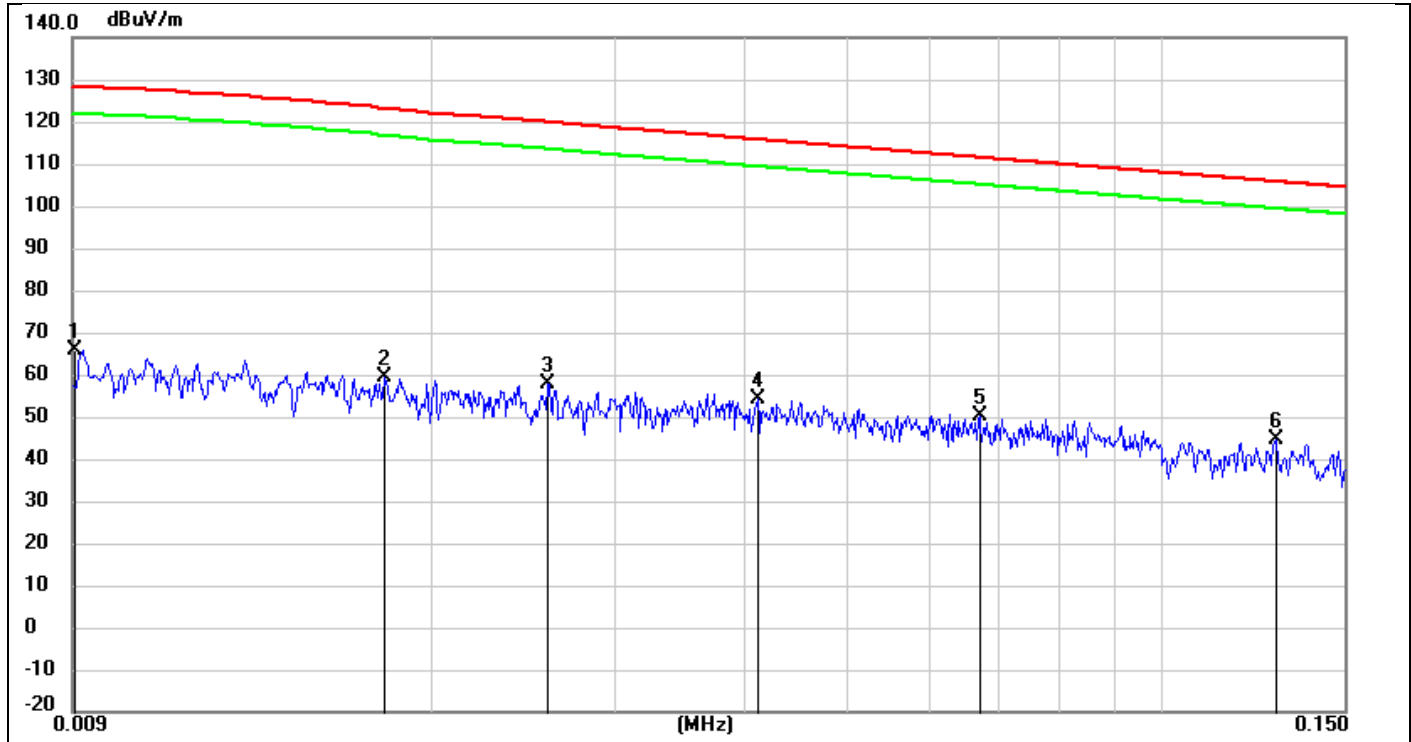
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

7.3. SPURIOUS EMISSIONS BELOW 30 MHz

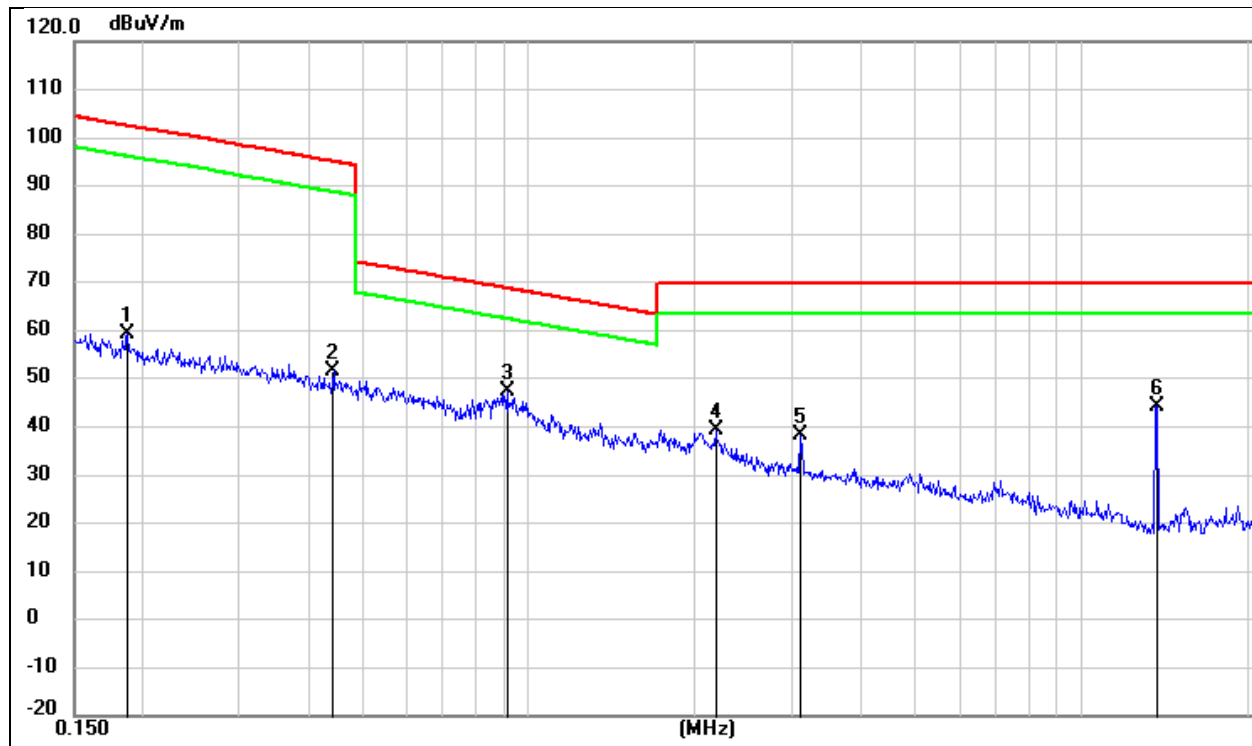
SPURIOUS EMISSIONS (LOOP ANTENNA FACE ON TO THE EUT)

0.09 kHz~ 150 kHz



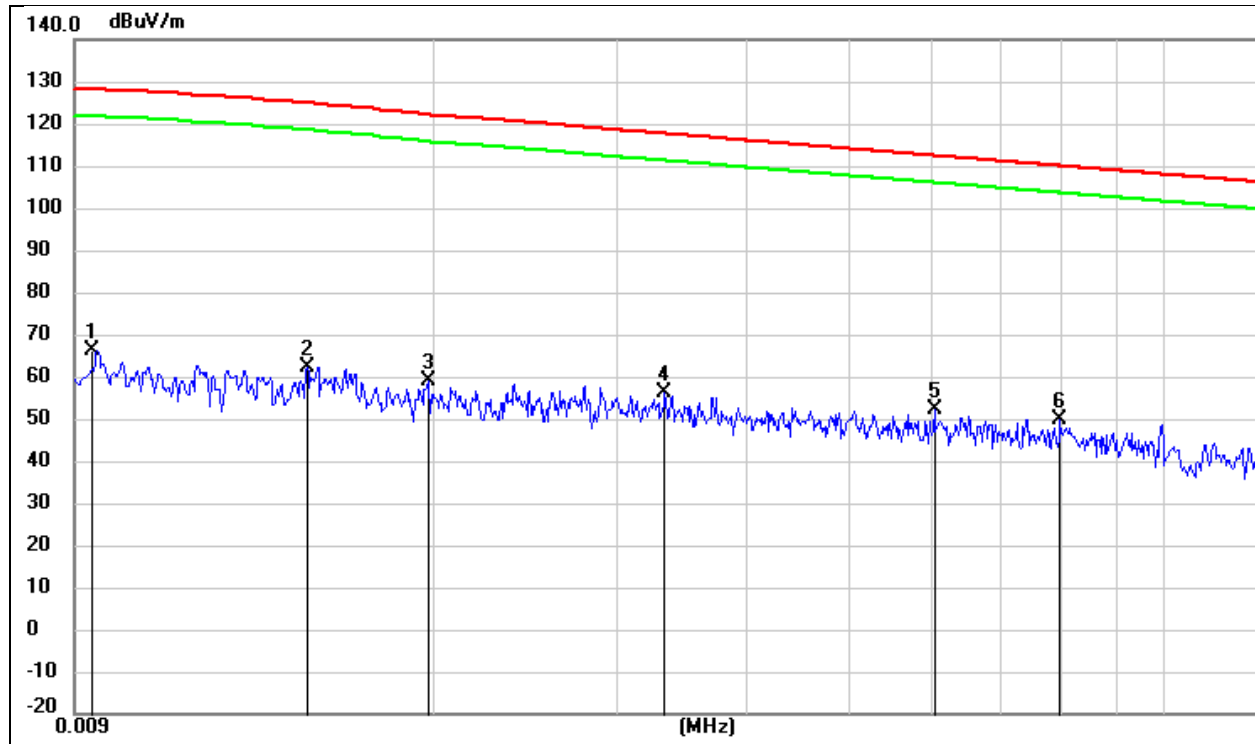
No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	0.0091	46.75	18.88	65.63	127.77	-62.14	peak	
2	0.0180	44.36	15.04	59.40	122.78	-63.38	peak	
3	0.0258	44.05	13.64	57.69	119.54	-61.85	peak	
4	0.0410	41.84	12.28	54.12	115.37	-61.25	peak	
5	0.0670	39.03	11.13	50.16	111.10	-60.94	peak	
6 *	0.1288	33.83	10.72	44.55	105.41	-60.86	peak	

Note: Measurement = Reading Level + Correct Factor.

150 kHz ~ 30MHz

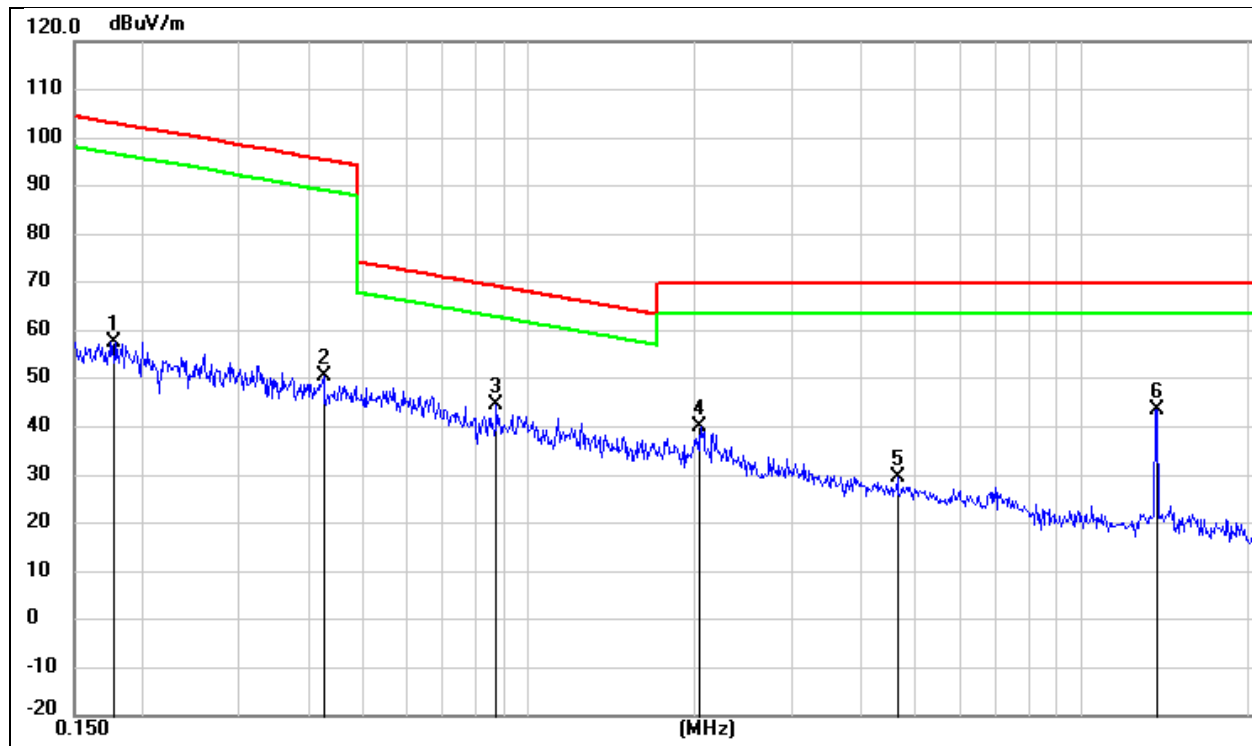
No .	Frequen cy (MHz)	Reading Level(dBu V)	Correct Factor(dB/ m)	Measure- ment(dBuV/ m)	Limit (dBuV/ m)	Margi n (dB)	Detect or	Comme nt
1	0.1883	48.71	10.65	59.36	102.11	-42.75	peak	
2	0.4420	40.88	10.53	51.41	94.74	-43.33	peak	
3 *	0.9087	36.95	10.54	47.49	68.44	-20.95	peak	
4	2.1781	28.71	10.65	39.36	69.54	-30.18	peak	
5	3.0901	27.54	10.72	38.26	69.54	-31.28	peak	
6	13.6228	33.66	10.72	44.38	69.54	-25.16	peak	

Note: Note: Measurement = Reading Level + Correct Factor.

SPURIOUS EMISSIONS (LOOP ANTENNA FACE OFF TO THE EUT)**0.09 kHz~ 150 kHz**

No .	Frequen cy (MHz)	Reading Level(dBu V)	Correct Factor(dB/ m)	Measure- ment(dBuV/ m)	Limit (dBuV/ m)	Margi n (dB)	Detect or	Comme nt
1	0.0094	47.25	18.77	66.02	127.71	-61.69	peak	
2	0.0151	45.94	16.32	62.26	124.53	-62.27	peak	
3	0.0196	44.73	14.34	59.07	121.82	-62.75	peak	
4	0.0331	43.13	12.99	56.12	117.28	-61.16	peak	
5	0.0604	40.78	11.26	52.04	111.99	-59.95	peak	
6 *	0.0796	38.81	10.94	49.75	109.59	-59.84	peak	

Note: Measurement = Reading Level + Correct Factor.

150 kHz ~ 30MHz

No .	Frequen cy (MHz)	Reading Level(dBu V)	Correct Factor(dB/ m)	Measure- ment(dBuV/ m)	Limit (dBuV/ m)	Margi n (dB)	Detect or	Comme nt
1	0.1785	46.96	10.66	57.62	102.58	-44.96	peak	
2	0.4237	40.00	10.54	50.54	95.10	-44.56	peak	
3 *	0.8710	34.19	10.54	44.73	68.82	-24.09	peak	
4	2.0440	29.32	10.63	39.95	69.54	-29.59	peak	
5	4.6468	18.71	10.84	29.55	69.54	-39.99	peak	
6	13.6228	32.93	10.72	43.65	69.54	-25.89	peak	

Note: Note: Measurement = Reading Level + Correct Factor.

8. AC POWER LINE CONDUCTED EMISSIONS

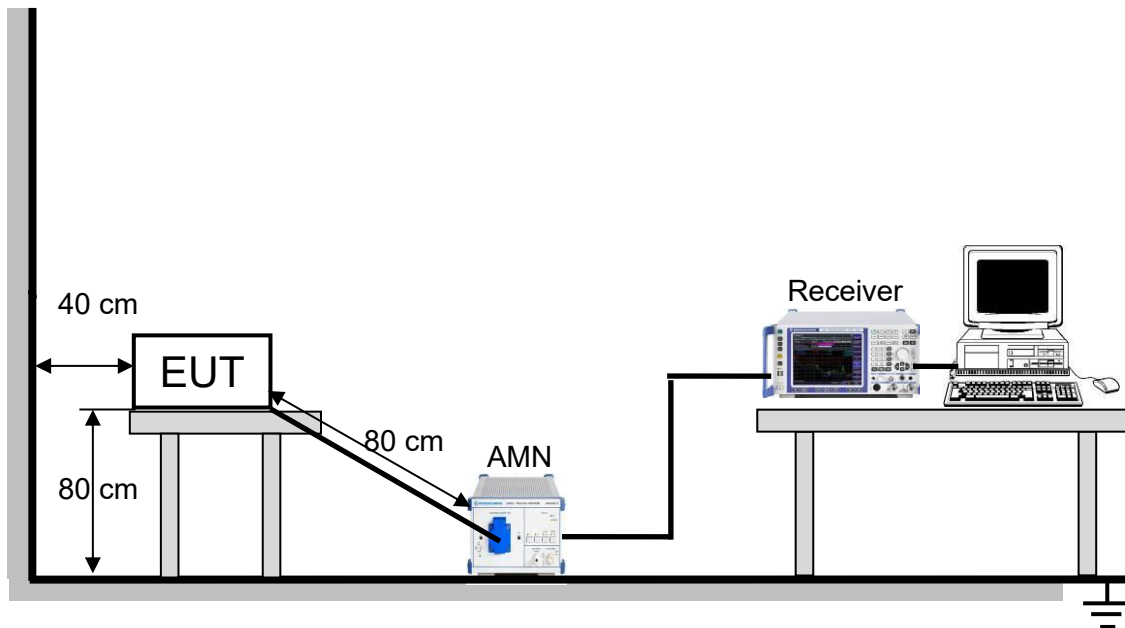
LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

TEST SETUP AND PROCEDURE

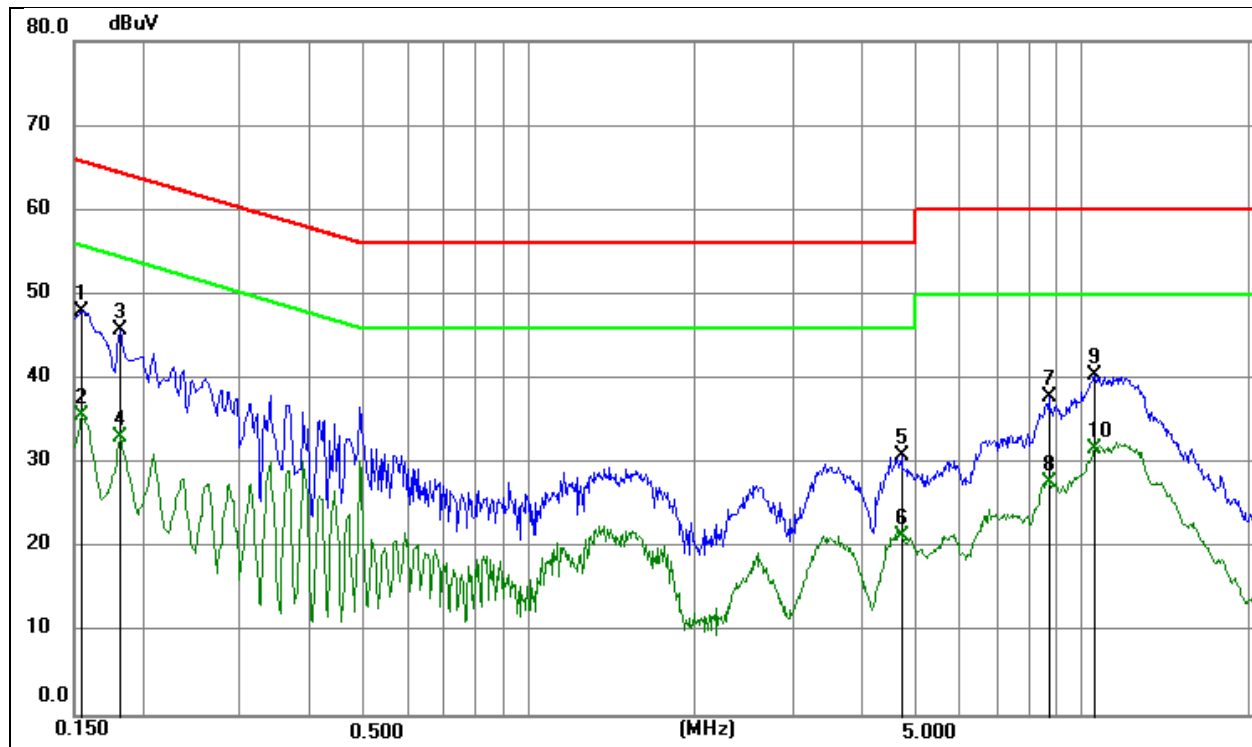
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was placed on the top of a rotating table 0.8 meters above the horizontal ground plane and being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
3. 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.
4. 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.
5. LISN at least 80 cm from nearest part of EUT chassis.
6. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.
7. The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST ENVIRONMENT

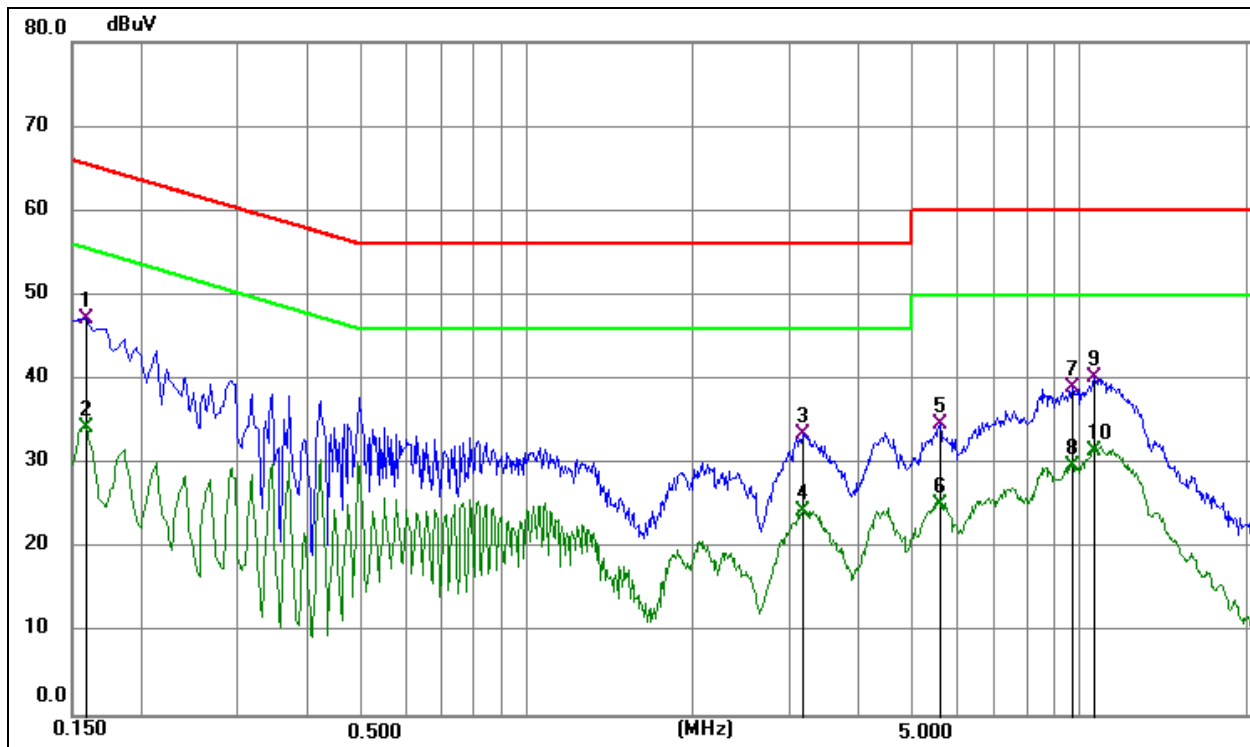
Temperature	23.4°C	Relative Humidity	54%
Atmosphere Pressure	101kPa		

TEST RESULTS

Phase: N

Mode: NFC-13.65MHz

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1544	38.45	9.57	48.02	65.76	-17.74	QP
2	0.1544	25.99	9.57	35.56	55.76	-20.20	AVG
3	0.1814	36.22	9.60	45.82	64.42	-18.60	QP
4	0.1814	23.42	9.60	33.02	54.42	-21.40	AVG
5	4.6994	21.14	9.67	30.81	56.00	-25.19	QP
6	4.6994	11.73	9.67	21.40	46.00	-24.60	AVG
7	8.7090	27.97	9.75	37.72	60.00	-22.28	QP
8	8.7090	17.93	9.75	27.68	50.00	-22.32	AVG
9	10.5540	30.66	9.83	40.49	60.00	-19.51	QP
10	10.5540	21.77	9.83	31.60	50.00	-18.40	AVG
11	29.1390	25.29	10.20	35.49	60.00	-24.51	QP
12	29.1390	12.24	10.20	22.44	50.00	-27.56	AVG



Phase: L1

Mode: NFC-13.65MHz

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1590	37.59	9.52	47.11	65.52	-18.41	QP
2	0.1590	24.72	9.52	34.24	55.52	-21.28	AVG
3	3.1470	23.74	9.67	33.41	56.00	-22.59	QP
4	3.1470	14.58	9.67	24.25	46.00	-21.75	AVG
5	5.5680	24.97	9.66	34.63	60.00	-25.37	QP
6	5.5680	15.49	9.66	25.15	50.00	-24.85	AVG
7	9.7035	29.32	9.70	39.02	60.00	-20.98	QP
8	9.7035	19.88	9.70	29.58	50.00	-20.42	AVG
9	10.6035	30.39	9.73	40.12	60.00	-19.88	QP
10	10.6035	21.75	9.73	31.48	50.00	-18.52	AVG
11	28.9274	24.66	10.22	34.88	60.00	-25.12	QP
12	28.9274	12.36	10.22	22.58	50.00	-27.42	AVG

9. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. 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.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RESULTS

PASS

END OF REPORT