

# FCC Radio Test Report

**FCC ID: 2AF82-TDD1000**

**Report No.** : BTL-FCCP-6-2503T049  
**Equipment** : Scheduler Docking Station  
**Model Name** : TDD-1000  
**Brand Name** : Qbic  
**Applicant** : Qbic Technology Co., Ltd.  
**Address** : 26F-12, NO.99, SEC. 1, XINTAI 5TH RD., XIZHI DIST., NEW TAIPEI CITY 22175, TAIWAN  
  
**Radio Function** : NFC (13.553~13.567 MHz)  
  
**FCC Rule Part(s)** : FCC CFR Title 47, Part 15, Subpart C (15.225)  
**Measurement Procedure(s)** : ANSI C63.10-2013  
  
**Date of Receipt** : 2025/4/2  
**Date of Test** : 2025/4/25 ~ 2025/5/28  
**Issued Date** : 2025/6/3

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

**Prepared by**

: Brett Shen  
Brett Shen, Engineer



**Approved by**

: Jerry Chuang  
Jerry Chuang, Supervisor

**BTL Inc.**

No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan

Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: [www.newbtl.com](http://www.newbtl.com) Service mail: [btl\\_qa@newbtl.com](mailto:btl_qa@newbtl.com)

### Declaration

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL**'s reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** assumes no responsibility for the data provided by the Customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by **BTL**.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

**BTL**'s laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

**BTL** is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

### Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

**CONTENTS**

REVISION HISTORY	5
1 SUMMARY OF TEST RESULTS	6
1.1 TEST FACILITY	7
1.2 MEASUREMENT UNCERTAINTY	7
1.3 TEST ENVIRONMENT CONDITIONS	7
2 GENERAL INFORMATION	8
2.1 DESCRIPTION OF EUT	8
2.2 TEST MODES	9
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	10
2.4 SUPPORT UNITS	11
3 AC POWER LINE CONDUCTED EMISSIONS TEST	12
3.1 LIMIT	12
3.2 TEST PROCEDURE	12
3.3 DEVIATION FROM TEST STANDARD	13
3.4 TEST SETUP	13
3.5 TEST RESULT	13
4 RADIATED EMISSIONS TEST	14
4.1 LIMIT	14
4.2 TEST PROCEDURE	15
4.3 DEVIATION FROM TEST STANDARD	15
4.4 TEST SETUP	15
4.5 EUT OPERATING CONDITIONS	16
4.6 TEST RESULT – 9 KHZ TO 30 MHZ – FCC PART 15.209	16
4.7 TEST RESULT – 30 MHZ TO 1 GHZ – FCC PART 15.209	16
4.8 TEST RESULT – FCC PART 15.225	16
5 FREQUENCY STABILITY	17
5.1 LIMIT	17
5.2 TEST PROCEDURE	17
5.3 DEVIATION FROM TEST STANDARD	17
5.4 EUT OPERATING CONDITIONS	17
5.5 TEST RESULT	17
6 20 DB BANDWIDTH	18
6.1 LIMIT	18
6.2 TEST PROCEDURE	18
6.3 DEVIATION FROM TEST STANDARD	18
6.4 TEST SETUP	18
6.5 EUT OPERATING CONDITIONS	18
6.6 TEST RESULT	18
7 LIST OF MEASURING EQUIPMENTS	19
8 EUT TEST PHOTO	20
9 EUT PHOTOS	20
APPENDIX A AC POWER LINE CONDUCTED EMISSIONS	21
APPENDIX B RADIATED EMISSIONS - 9 KHZ TO 30 MHZ	26
APPENDIX C RADIATED EMISSIONS - 30 MHZ TO 1 GHZ	31
APPENDIX D RADIATED EMISSIONS - FCC PART 15.225	34
APPENDIX E FREQUENCY STABILITY MEASUREMENT	37



**REVISION HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-6-2503T049	R00	Original Report.	2025/6/3	Valid

## 1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	Pass	-----
15.35 15.205 15.209 15.225	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	Pass	-----
15.225(e)	Frequency Stability	APPENDIX E	Pass	-----
15.203	Antenna Requirement	-----	Pass	-----
15.215(c)	20 dB Bandwidth	APPENDIX F	Pass	-----

### Statement of Conformity

The statement of conformity is based on the binary decision rule according to IEC Guide 115 and ILAC G8 "simple acceptance" principle. Without considering measurement uncertainty, its specific risk is less than 50% PFA. (PFA: Probability of False Accept)

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.

## 1.1 TEST FACILITY

The test locations stated below are under the TAF Accreditation Number 0659.

The test location(s) used to collect the test data in this report are:

No. 66, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan  
(FCC DN: TW0659)

CB15

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan  
(FCC DN: TW0659)

C05       CB08       CB11       SR10

SR11

No. 68-2, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan  
(FCC DN: TW0659)

CB12       SR05

## 1.2 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 %**.

A. AC power line conducted emissions test:

Test Site	Measurement Frequency Range	U (dB)
SR05	150 kHz ~ 30 MHz	3.06

B. Radiated emissions test:

Test Site	Measurement Frequency Range	U (dB)
CB15 (1m)	9 kHz ~ 150 kHz	2.82
	150 kHz ~ 30 MHz	2.58

Test Site	Measurement Frequency Range (GHz)	U (dB)
CB15 (3m)	0.03~0.2	4.41
	0.02~1	4.61
	1 ~ 6	5.45
	6 ~ 18	5.04
	18 ~ 26	4.03
	26 ~ 40	4.33

C. Conducted test:

Test Item	U
Frequency Stability	0.5333 dB
Occupied Bandwidth	0.83 %

### NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

## 1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	23 °C, 55 %	AC 120V	Ken Lan
Radiated emissions (9KHz-30MHz)	Refer to data	AC 120V	Winston Fang
Radiated emissions (30MHz TO 1000MHz)	Refer to data	AC 120V	Winston Fang
Frequency Stability	22.8 °C, 54 %	AC 120V	Ken Lan
20 dB Bandwidth	22.8 °C, 54 %	AC 120V	Ken Lan

## 2 GENERAL INFORMATION

### 2.1 DESCRIPTION OF EUT

Equipment	Scheduler Docking Station
Model Name	TDD-1000
Brand Name	Qbic
Model Difference	N/A
Power Source	DC Voltage supplied from AC/DC adapter.
	EUT: DC 21V
Power Rating	For Adapter: I/P: 100-240V~, 2.5A 50-60Hz O/P: 21.0V---8.58A 180.0W
Products Covered	1 * Adapter: HUIZHOU CITY YOUWEI CHUANGKE ELECTRONICS CO.,LTD / YW180A2-2100858 1 * Power cable 1* Type-C to Type-C cable
Operation Frequency	13.553~13.567 MHz
Max H-field strength	46.73 dBuV/m@1m(Peak)
Test Model	TDD-1000
Sample Status	Engineering Sample
EUT Modification(s)	N/A

NOTE:

(1) The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

(2) Channel List:

Channel	Frequency (MHz)
01	13.56

(3) Table for Filed Antenna:

Antenna	Manufacture	Model name	Type	Connector	Gain (dBi)
1	 <b>SMARFID</b>	TH6M22D	Loop	N/A	N/A

(4) The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

## 2.2 TEST MODES

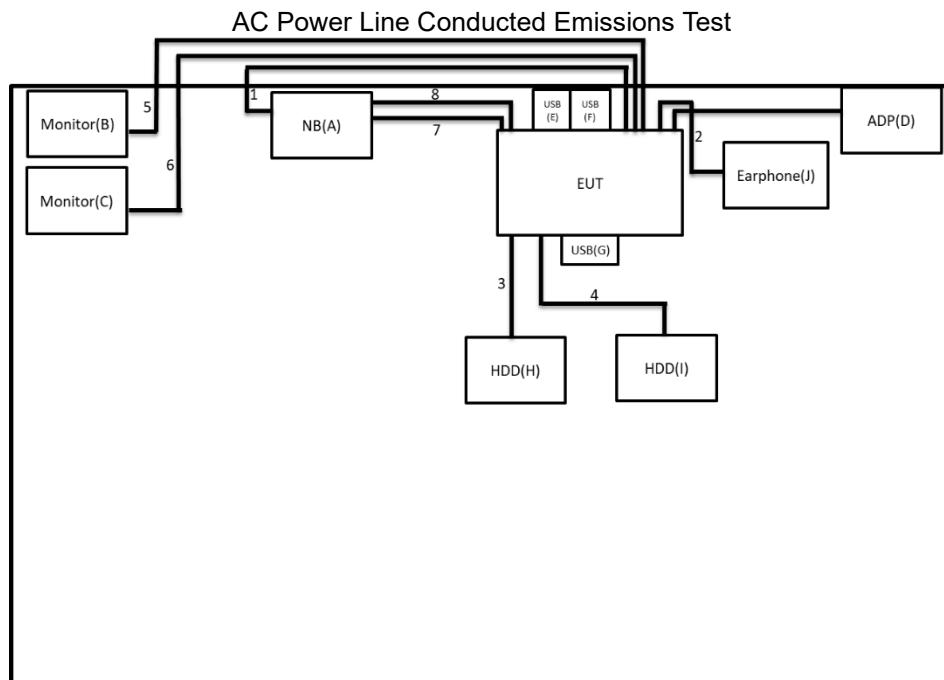
Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal/Idle	-	-
Radiated emissions (9KHz-30MHz)	TX	01	-
Radiated emissions (30MHz TO 1000MHz)	TX	01	
Frequency Stability	TX	01	-
20 dB Bandwidth	TX	01	-

**NOTE:**

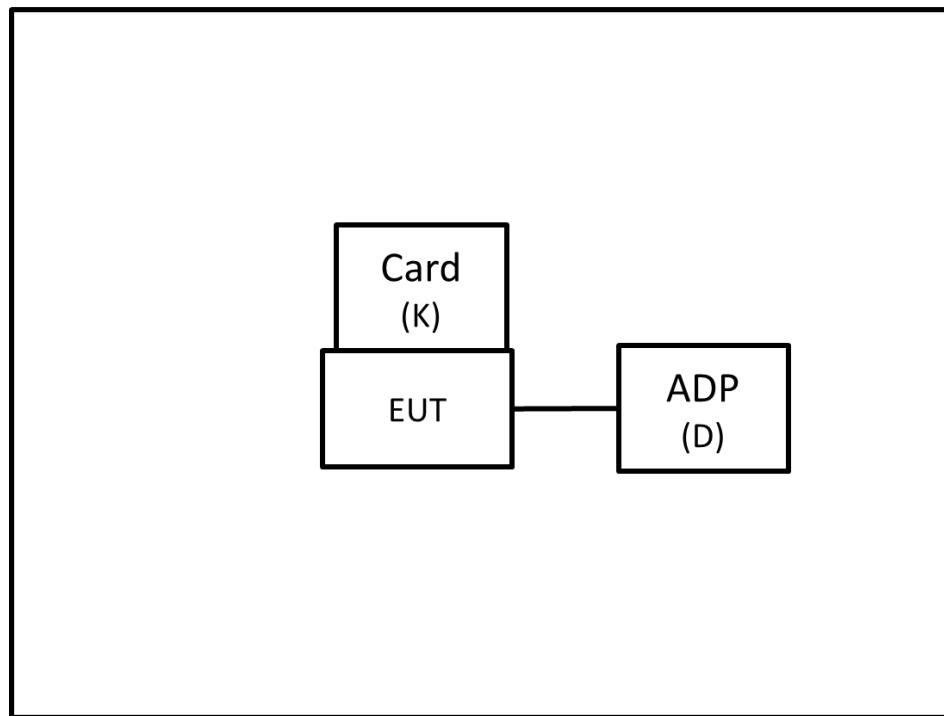
(1) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.

### 2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.



Radiated Emissions Test



**2.4 SUPPORT UNITS**

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	NB	Dynabook	N/A	A	Furnished by test lab.
B	Monitor	Dell	N/A	B	Furnished by test lab.
C	Monitor	Dell	N/A	C	Furnished by test lab.
D	ADP	HUIZHOU CITY YOUWEI CHUANGKE ELECTRONICS CO.,LTD	YW180A2-21008 58	D	Supplied by test requester
E	USB	Kingston	N/A	E	Furnished by test lab.
F	USB	Kingston	N/A	F	Furnished by test lab.
G	USB	N/A	N/A	G	Furnished by test lab.
H	HDD	WD	N/A	H	Furnished by test lab.
I	HDD	WD	N/A	I	Furnished by test lab.
J	Earphone	soundcore	N/A	J	Furnished by test lab.
K	Card	N/A	N/A	K	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	1M	USB-C cable	Supplied by test requester
2	N/A	N/A	1M	USB-C cable	Supplied by test requester
3	N/A	N/A	1M	USB-C cable	Supplied by test requester
4	N/A	N/A	1M	USB-C cable	Supplied by test requester
5	N/A	N/A	1.8M	HDMI Cable	Furnished by test lab.
6	N/A	N/A	2M	DP Cable	Furnished by test lab.
7	N/A	N/A	50CM	USB-A cable	Furnished by test lab.
8	N/A	N/A	50CM	LAN Cable	Furnished by test lab.
9	N/A	N/A	1.9M	USB toMicro Cable	Furnished by test lab.

### 3 AC POWER LINE CONDUCTED EMISSIONS TEST

#### 3.1 LIMIT

Frequency (MHz)	Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.50 - 5.0	56	46
5.0 - 30.0	60	50

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.
- (3) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)

Margin Level = Measurement Value – Limit Value

Calculation example:

Reading Level (dB $\mu$ V)		Correct Factor (dB)		Measurement Value (dB $\mu$ V)
38.22	+	3.45	=	41.67

Measurement Value (dB $\mu$ V)		Limit Value (dB $\mu$ V)		Margin Level (dB)
41.67	-	60	=	-18.33

The following table is the setting of the receiver.

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

#### 3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).  
All other support equipment were powered from an additional LISN(s).  
The LISN provides 50 Ohm/50uH of 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 to keep the cable above 40 cm.
- c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.  
The end of the cable will be terminated, using the correct terminating impedance.  
The overall length shall not exceed 1 m.
- d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
- e. For the actual test configuration, please refer to the related Item - EUT TEST PHOTO.

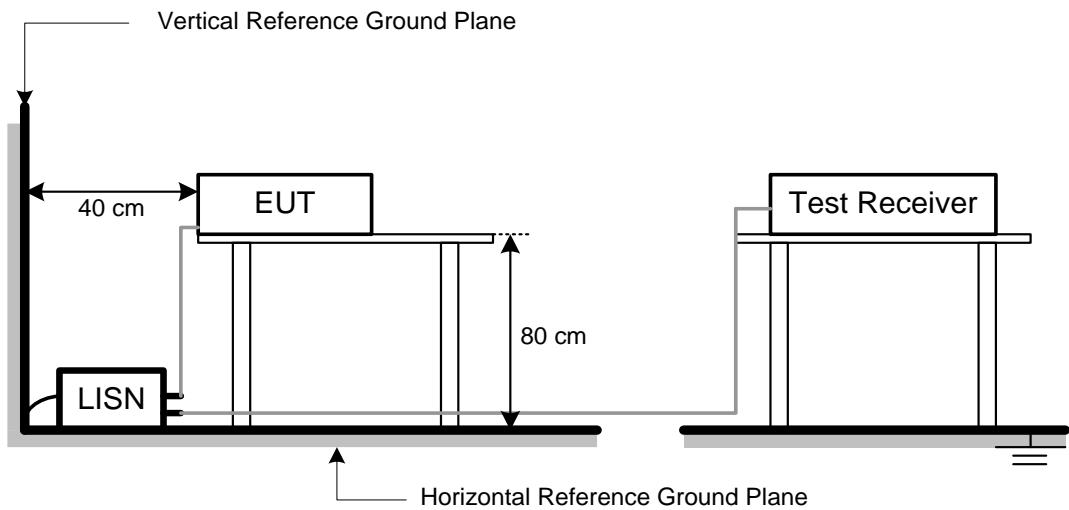
**NOTE:**

- (1) In the results, each reading is marked as Peak, QP or AVG per the detector used.  
BW=9 kHz (6 dB Bandwidth)
- (2) All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.

### 3.3 DEVIATION FROM TEST STANDARD

No deviation.

### 3.4 TEST SETUP



### 3.5 TEST RESULT

Please refer to the APPENDIX A.

## 4 RADIATED EMISSIONS TEST

### 4.1 LIMIT

<b>FCC Part 15.209</b>				
Frequency (MHz)	Field Strength Limitation		Field Strength Limitation at 3m Measurement Dist	
	(uV/m)	Dist	(uV/m)	(dBuV/m)
0.009 – 0.490	2400 / F(KHz)	300m	10000 * 2400/F(KHz)	20log 2400/F(KHz) + 80
0.490 – 1.705	24000 / F(KHz)	30m	100 * 24000/F(KHz)	20log 24000/F(KHz) + 40
1.705 – 30.00	30	30m	100* 30	20log 30 + 40
30.0 – 88.0	100	3m	100	20log 100
88.0 – 216.0	150	3m	150	20log 150
216.0 – 960.0	200	3m	200	20log 200
Above 960.0	500	3m	500	20log 500

<b>FCC Part 15.225(a)/(b)/(c)</b>				
Frequency (MHz)	Field Strength Limitation		Field Strength Limitation at 3m Measurement Dist	
	(uV/m)	Dist	(uV/m)	(dBuV/m)
13.553 – 13.567	15,848	30 m	15,848*100	124
13.567 – 13.710	334	30 m	334*100	90.5
13.110 – 13.410	106	30 m	106*100	80.5
13.710 – 14.010				

NOTE:

- (1) The tighter limit shall apply at the boundary between two frequency range.
- (2) Limitation expressed in dBuV/m is calculated by 20log Emission Level (uV/m).
- (3) If measurement is made at 3m distance, then F.S Limitation at 3m distance is adjusted by using the formula of  $L_{d1} = L_{d2} * (d_2/d_1)^2$ .

Example:

F.S Limit at 30m distance is 30uV/m , then F.S Limitation at 3m distance is adjusted as  $L_{d1} = L_1 = 30uV/m * (10)^2 = 100 * 30 uV/m$

- (4) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)

Margin Level = Measurement Value – Limit Value

#### 4.2 TEST PROCEDURE

- a. The measuring distance of 1 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 30MHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz).
- c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

**NOTE: (FCC PART 15.209)**

- a. Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode with Detector BW=120 kHz.
- b. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.

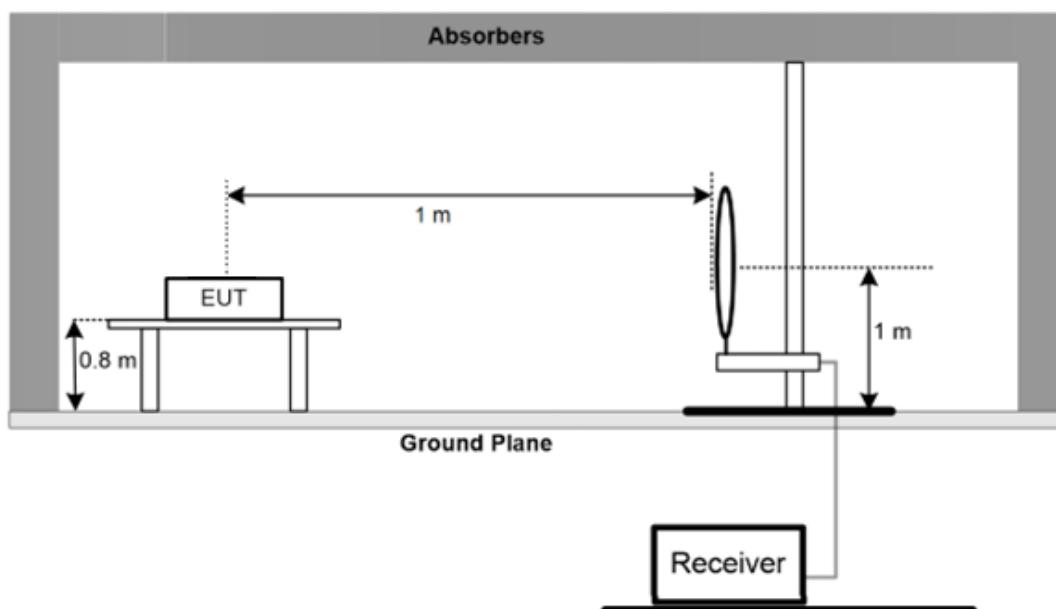
**NOTE: (FCC PART 15.225)**

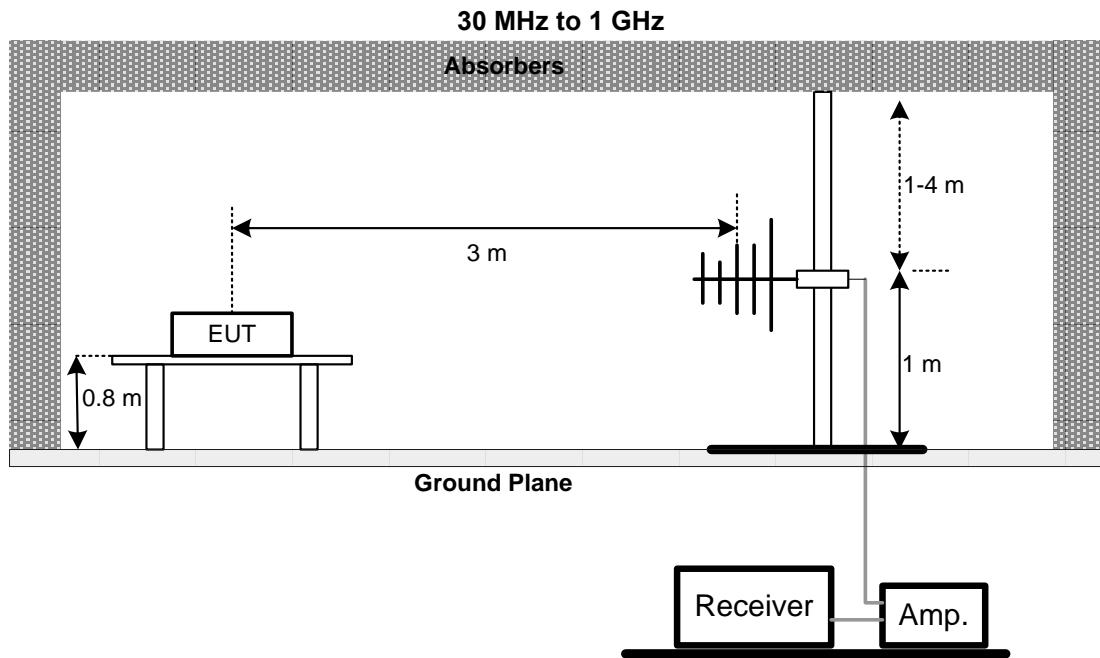
- a. Spectrum Setting:  
9 KHz – 150 KHz, RBW= 200Hz, VBW=200Hz, Sweep time = 200 ms.  
150 K Hz – 30 MHz, RBW= 10 KHz, VBW=10 KHz, Sweep time = 200 ms.  
30 MHz – 1000 MHz, RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms.
- b. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- c. The Log-Bicon Antenna will use to test frequency range from 30MHz to 1000MHz and the Loop Antenna will use to test frequency below 30MHz.

#### 4.3 DEVIATION FROM TEST STANDARD

No deviation.

#### 4.4 TEST SETUP

**9 kHz to 30 MHz**



#### 4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 4.6 TEST RESULT – 9 kHz TO 30 MHz – FCC PART 15.209

Please refer to the APPENDIX B

#### 4.7 TEST RESULT – 30 MHz TO 1 GHz – FCC PART 15.209

Please refer to the APPENDIX C.

#### 4.8 TEST RESULT – FCC PART 15.225

Please refer to the APPENDIX D.

NOTE:

- (1) No limit: This is fundamental signal, the judgment is not applicable.  
For fundamental signal judgment was referred to Peak output test.

## 5 FREQUENCY STABILITY

### 5.1 LIMIT

#### FCC Part 15.225(e)

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.

For battery operated equipment, the equipment tests shall be performed using a new battery.

### 5.2 TEST PROCEDURE

- a. The equipment under test was connected to an external AC power supply and the RF output was connected to a frequency counter via feed through attenuators. The EUT was placed inside the temperature chamber.
- b. At room temperature ( $25\pm5^{\circ}\text{C}$ ), an external variable AC power supply was connected to the EUT. The frequency of the transmitter was measured for 115%, 100% and 85% of the nominal operating input voltage.

### 5.3 DEVIATION FROM TEST STANDARD

No deviation.

### 5.4 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 5.5 TEST RESULT

Please refer to the APPENDIX E.

## 6 20 DB BANDWIDTH

### 6.1 LIMIT

#### FCC Part 15.215(c)

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 the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

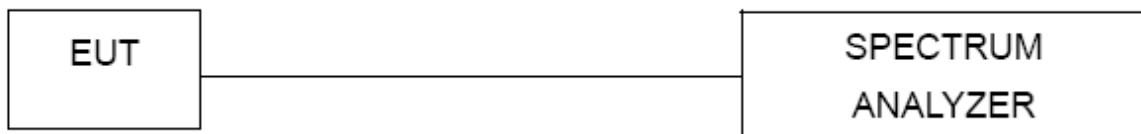
### 6.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 1 kHz, VBW=1 kHz, Sweep time = 20 ms.

### 6.3 DEVIATION FROM TEST STANDARD

No deviation.

### 6.4 TEST SETUP



### 6.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 6.6 TEST RESULT

Please refer to the APPENDIX F.

## 7 LIST OF MEASURING EQUIPMENTS

AC Power Line Conducted Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	TWO-LINE V-NETWORK	R&S	ENV216	101497	2024/5/20	2025/5/19
2	Test Cable	EMCI	EMC400-BM-BM-5000	170501	2024/7/31	2025/7/30
3	EMI Test Receiver	R&S	ESR3	102950	2025/4/14	2026/4/13
4	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Amplifier	HP	8447D	2944A08558	2025/3/20	2026/3/19
2	Preamplifier	EMCI	EMC001340	980579	2024/9/4	2025/9/3
3	Test Cable	EMCI	EMC104-SM-SM-1000	250312	2025/4/2	2026/4/1
4	Test Cable	EMCI	EMC104-SM-SM-1000	250313	2025/4/2	2026/4/1
5	Test Cable	EMCI	EMC104-SM-SM-7000	250314	2025/4/2	2026/4/1
6	Spectrum Analyzer	R&S	FSV3044	101524	2024/6/19	2025/6/18
7	Loop Ant	Electro-Metrics	EMCI-LPA600	291	2024/9/9	2025/9/8
8	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	9168-352	2024/8/14	2025/8/13
9	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Frequency Stability Measurement						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	101139	2025/3/7	2026/3/6
2	Const Temp. & Humidity Chamber	Vibration	VTH-225	2016061502	2024/5/28	2025/5/27

20 dB Bandwidth Measurement						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	101139	2025/3/7	2026/3/6

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.  
All calibration period of equipment list is one year.

## **8 EUT TEST PHOTO**

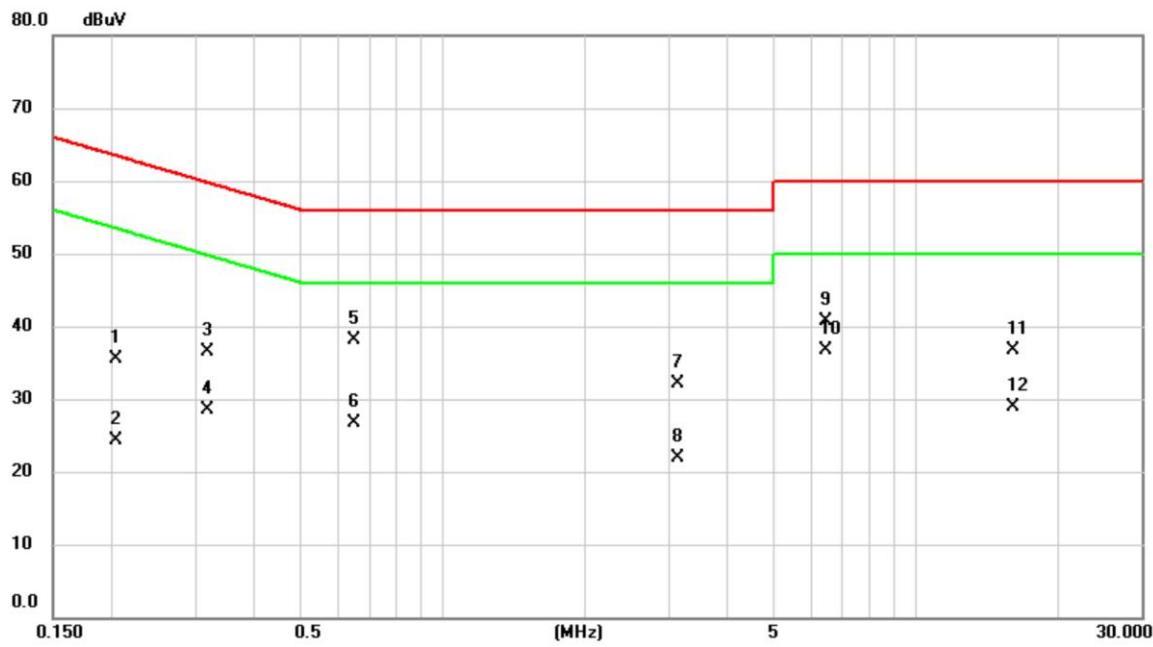
Please refer to document Appendix No.: TP-2503T049-FCCP-2 (APPENDIX-TEST PHOTOS).

## **9 EUT PHOTOS**

Please refer to document Appendix No.: EP-2503T049-1 (APPENDIX-EUT PHOTOS).

**APPENDIX A AC POWER LINE CONDUCTED EMISSIONS**

Test Mode	Normal	Tested Date	2025/5/8
Test Frequency	-	Phase	Line

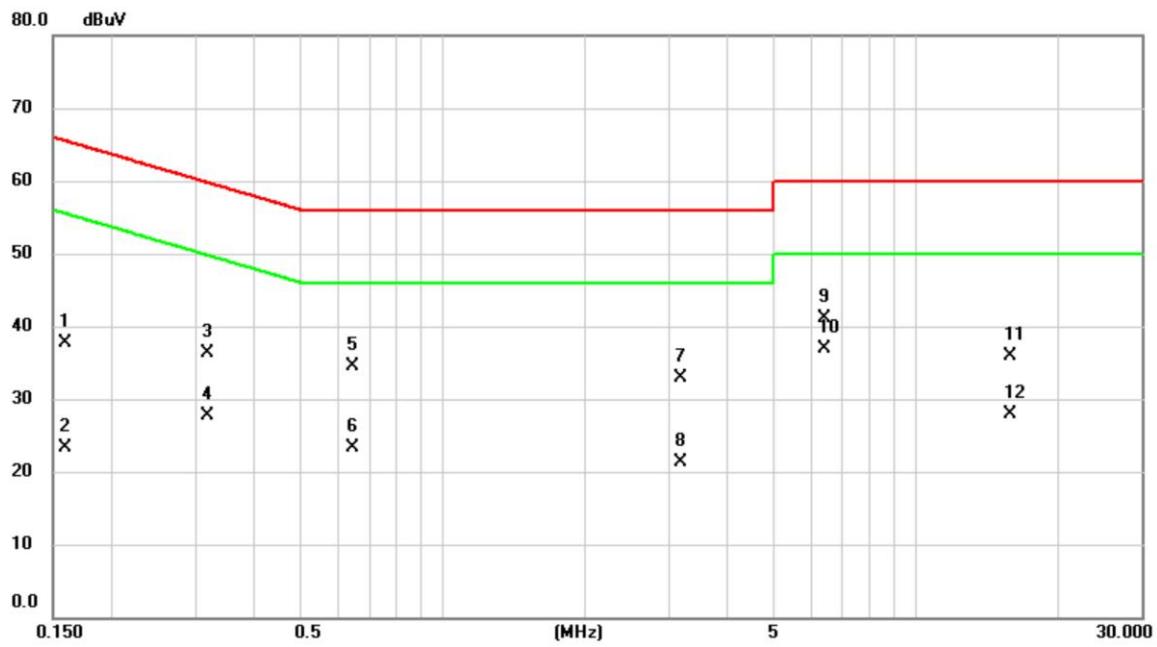


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2040	25.90	9.59	35.49	63.45	-27.96	QP	
2		0.2040	14.67	9.59	24.26	53.45	-29.19	AVG	
3		0.3187	26.94	9.58	36.52	59.74	-23.22	QP	
4		0.3187	18.83	9.58	28.41	49.74	-21.33	AVG	
5		0.6495	28.46	9.59	38.05	56.00	-17.95	QP	
6		0.6495	17.03	9.59	26.62	46.00	-19.38	AVG	
7		3.1493	22.46	9.69	32.15	56.00	-23.85	QP	
8		3.1493	12.16	9.69	21.85	46.00	-24.15	AVG	
9		6.4433	30.89	9.80	40.69	60.00	-19.31	QP	
10	*	6.4433	26.90	9.80	36.70	50.00	-13.30	AVG	
11		16.0665	26.71	10.08	36.79	60.00	-23.21	QP	
12		16.0665	18.80	10.08	28.88	50.00	-21.12	AVG	

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.  
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	Normal	Tested Date	2025/5/8
Test Frequency	-	Phase	Neutral

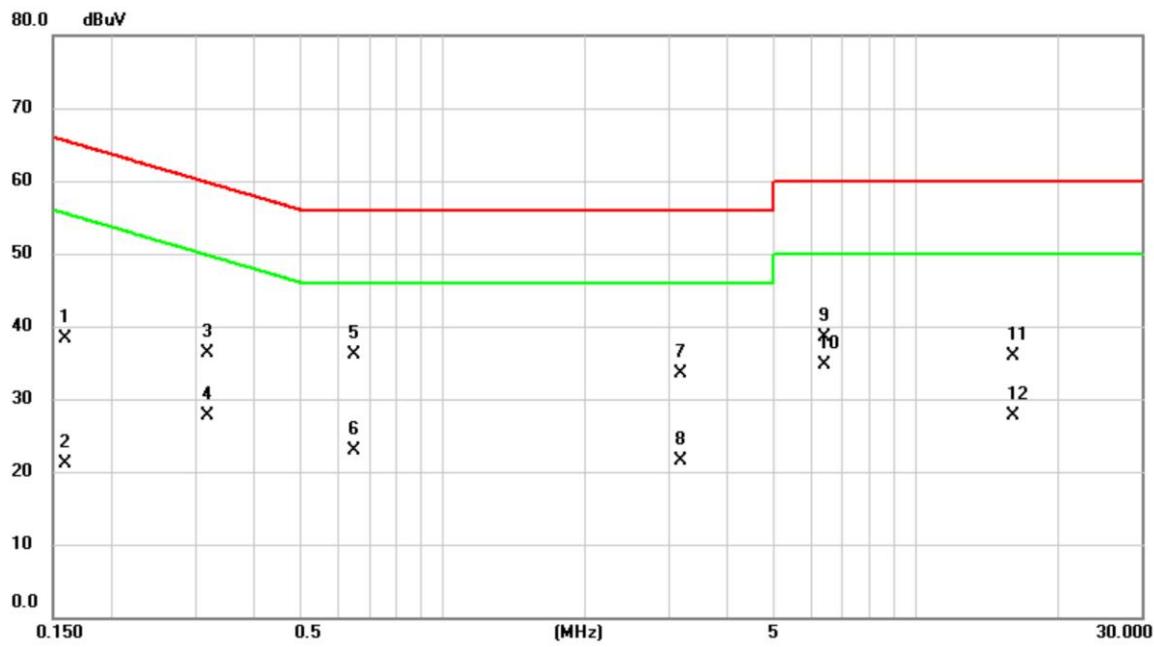


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1590	28.18	9.57	37.75	65.52	-27.77	QP	
2		0.1590	13.76	9.57	23.33	55.52	-32.19	AVG	
3		0.3187	26.81	9.58	36.39	59.74	-23.35	QP	
4		0.3187	18.10	9.58	27.68	49.74	-22.06	AVG	
5		0.6472	24.90	9.60	34.50	56.00	-21.50	QP	
6		0.6472	13.63	9.60	23.23	46.00	-22.77	AVG	
7		3.1853	23.22	9.71	32.93	56.00	-23.07	QP	
8		3.1853	11.60	9.71	21.31	46.00	-24.69	AVG	
9		6.4208	31.33	9.83	41.16	60.00	-18.84	QP	
10	*	6.4208	27.11	9.83	36.94	50.00	-13.06	AVG	
11		15.7988	25.62	10.19	35.81	60.00	-24.19	QP	
12		15.7988	17.73	10.19	27.92	50.00	-22.08	AVG	

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.  
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	Idle	Tested Date	2025/5/8
Test Frequency	-	Phase	Line

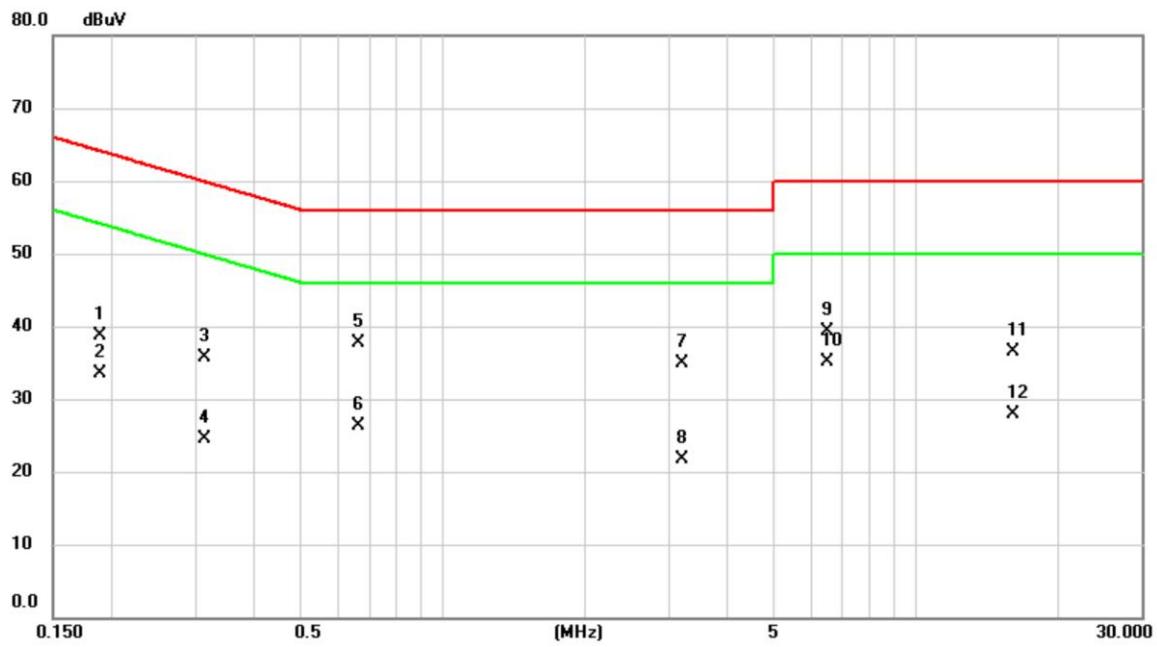


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1590	28.69	9.59	38.28	65.52	-27.24	QP	
2		0.1590	11.60	9.59	21.19	55.52	-34.33	AVG	
3		0.3187	26.73	9.58	36.31	59.74	-23.43	QP	
4		0.3187	18.22	9.58	27.80	49.74	-21.94	AVG	
5		0.6517	26.46	9.59	36.05	56.00	-19.95	QP	
6		0.6517	13.22	9.59	22.81	46.00	-23.19	AVG	
7		3.1762	23.74	9.69	33.43	56.00	-22.57	QP	
8		3.1762	11.77	9.69	21.46	46.00	-24.54	AVG	
9		6.4185	28.75	9.80	38.55	60.00	-21.45	QP	
10	*	6.4185	24.86	9.80	34.66	50.00	-15.34	AVG	
11		16.0035	25.89	10.07	35.96	60.00	-24.04	QP	
12		16.0035	17.63	10.07	27.70	50.00	-22.30	AVG	

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.  
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	Idle	Tested Date	2025/5/8
Test Frequency	-	Phase	Neutral



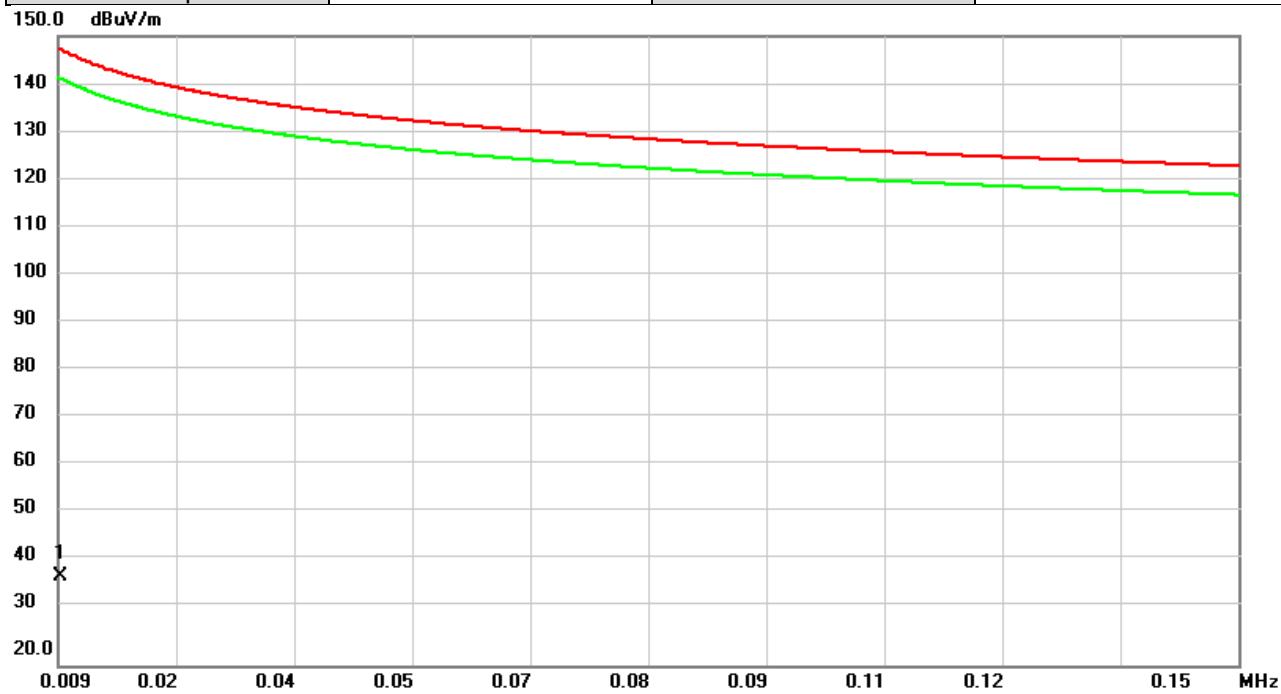
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1883	29.09	9.57	38.66	64.11	-25.45	QP	
2		0.1883	24.02	9.57	33.59	54.11	-20.52	AVG	
3		0.3141	26.22	9.58	35.80	59.86	-24.06	QP	
4		0.3141	14.94	9.58	24.52	49.86	-25.34	AVG	
5		0.6630	28.10	9.60	37.70	56.00	-18.30	QP	
6		0.6630	16.61	9.60	26.21	46.00	-19.79	AVG	
7		3.2123	25.24	9.71	34.95	56.00	-21.05	QP	
8		3.2123	12.08	9.71	21.79	46.00	-24.21	AVG	
9		6.5108	29.47	9.83	39.30	60.00	-20.70	QP	
10	*	6.5108	25.28	9.83	35.11	50.00	-14.89	AVG	
11		16.0395	26.37	10.21	36.58	60.00	-23.42	QP	
12		16.0395	17.65	10.21	27.86	50.00	-22.14	AVG	

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.  
 (2) Margin Level = Measurement Value - Limit Value.

**APPENDIX B RADIATED EMISSIONS - 9 KHZ TO 30 MHZ**

Test Mode	TX	Test Date	2025/5/28
Test Frequency	13.56MHz	Polarization	Vertical
Temp	25°C	Hum.	62%

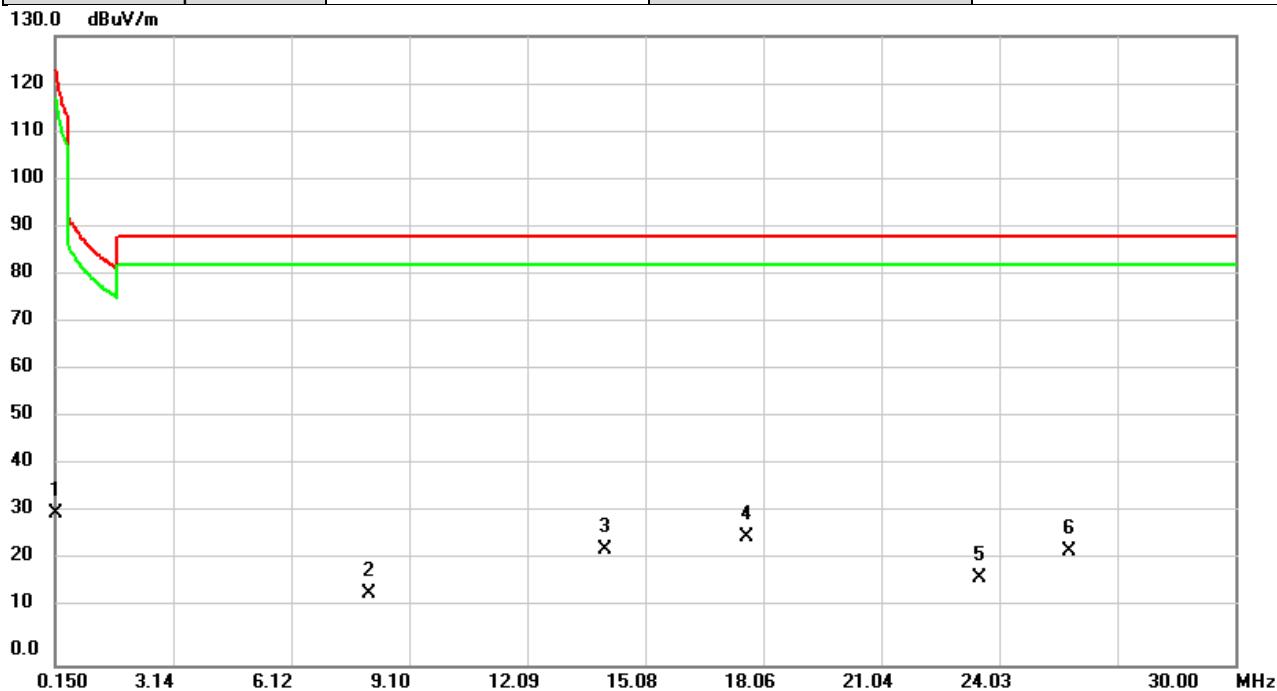


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB
1	*	0.0092	2.33	35.97	38.30	147.41	-109.11

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX	Test Date	2025/5/28
Test Frequency	13.56MHz	Polarization	Vertical
Temp	25°C	Hum.	62%

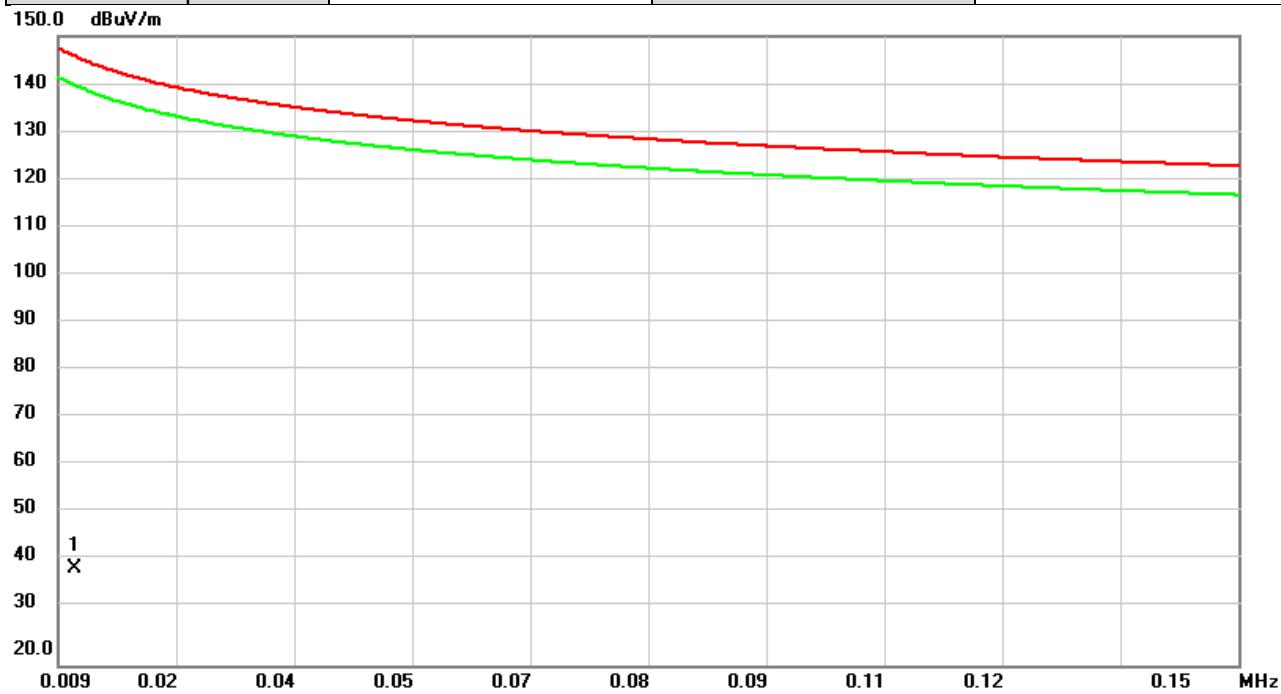


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		0.1500	17.24	13.97	31.21	123.16	-91.95	AVG
2		8.1080	18.30	-3.51	14.79	88.62	-73.83	QP
3		14.0561	27.37	-3.37	24.00	88.62	-64.62	QP
4	*	17.6420	30.25	-3.71	26.54	88.62	-62.08	QP
5		23.5344	21.33	-3.23	18.10	88.62	-70.52	QP
6		25.8160	26.43	-2.78	23.65	88.62	-64.97	QP

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.  
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX	Test Date	2025/5/28
Test Frequency	13.56MHz	Polarization	Horizontal
Temp	25°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0110	4.82	35.28	40.10	145.86	-105.76	AVG	

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.  
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX	Test Date	2025/5/28
Test Frequency	13.56MHz	Polarization	Horizontal
Temp	25°C	Hum.	62%



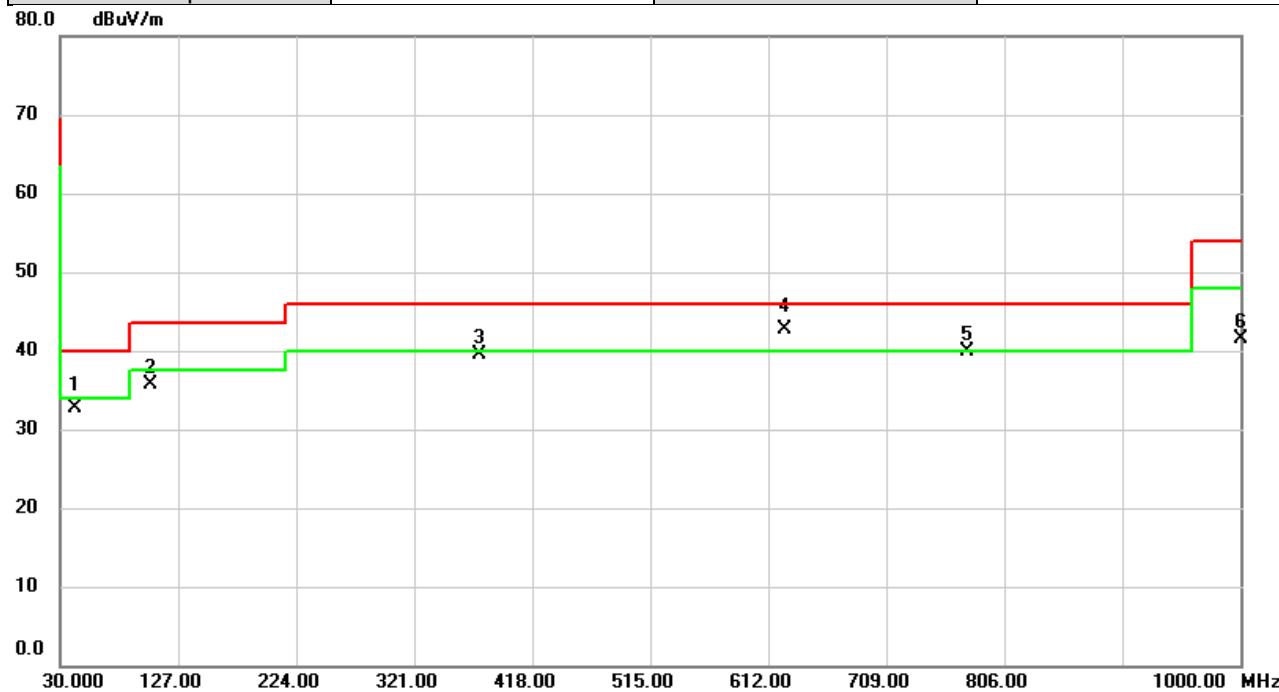
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		0.1500	17.40	13.97	31.37	123.16	-91.79	AVG
2		2.4982	12.88	-2.76	10.12	88.62	-78.50	QP
3		4.8095	11.41	-4.32	7.09	88.62	-81.53	QP
4		16.6630	12.06	-3.61	8.45	88.62	-80.17	QP
5		21.3036	14.06	-3.67	10.39	88.62	-78.23	QP
6	*	25.8160	14.41	-2.78	11.63	88.62	-76.99	QP

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.  
 (2) Margin Level = Measurement Value - Limit Value.

**APPENDIX C RADIATED EMISSIONS - 30 MHZ TO 1 GHZ**

Test Mode	TX	Test Date	2025/5/28
Test Frequency	13.56MHz	Polarization	Vertical
Temp	25°C	Hum.	62%

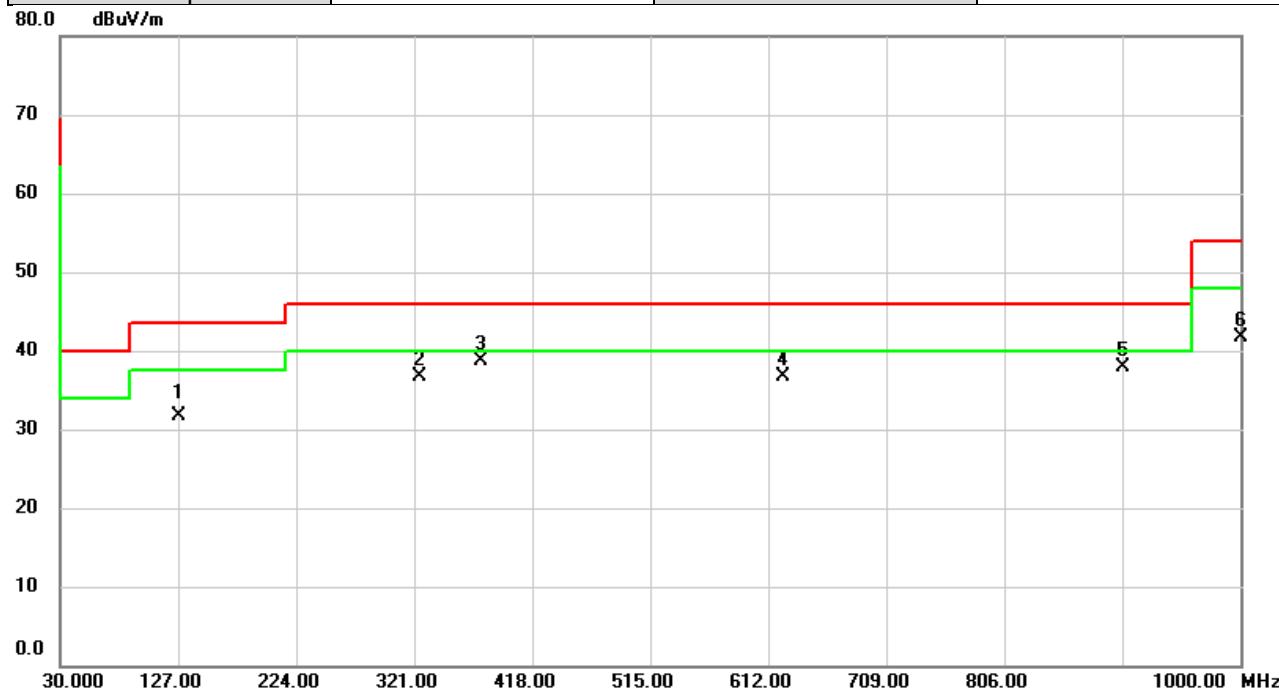


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		42.0603	41.61	-8.90	32.71	40.00	-7.29	QP
2		103.9140	48.20	-12.54	35.66	43.50	-7.84	peak
3		375.0290	45.73	-6.13	39.60	46.00	-6.40	peak
4	*	625.0303	43.91	-1.25	42.66	46.00	-3.34	QP
5		775.0247	38.49	1.43	39.92	46.00	-6.08	peak
6		1000.000	37.29	4.29	41.58	54.00	-12.42	peak

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.  
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX	Test Date	2025/5/28
Test Frequency	13.56MHz	Polarization	Horizontal
Temp	25°C	Hum.	62%



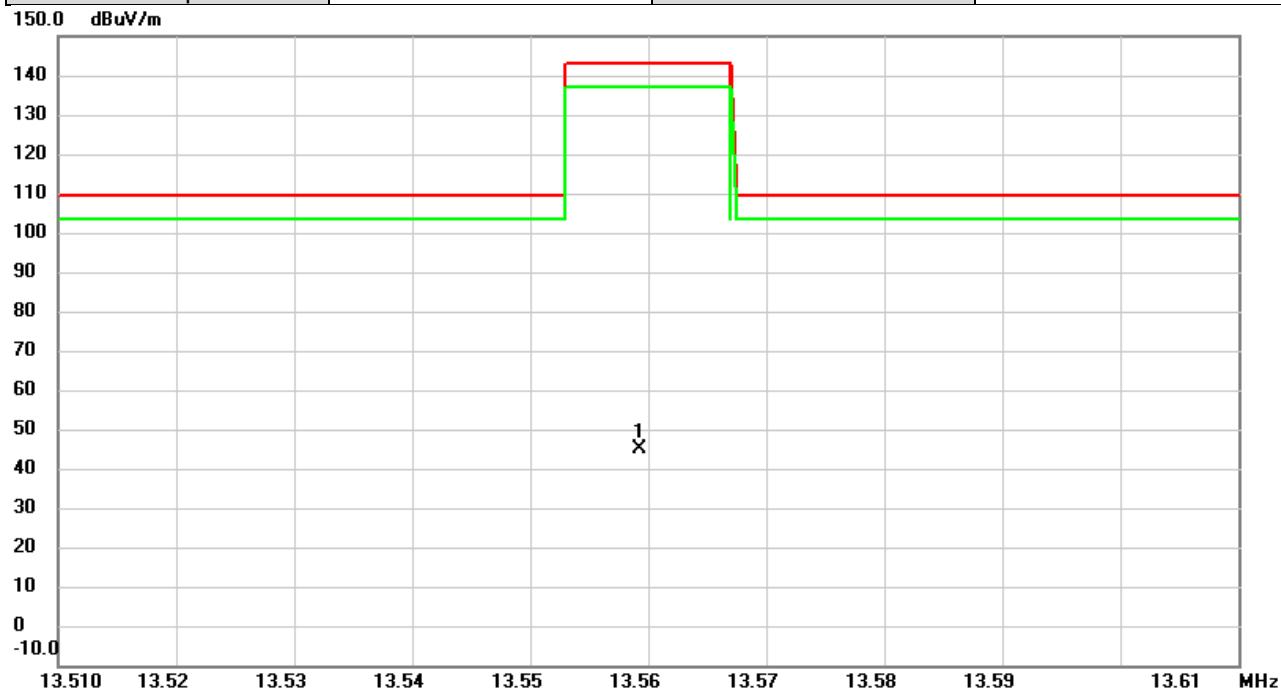
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		127.0000	41.82	-10.18	31.64	43.50	-11.86	QP	
2		324.8800	43.74	-6.97	36.77	46.00	-9.23	peak	
3	*	375.3200	44.78	-6.12	38.66	46.00	-7.34	peak	
4		624.6100	37.89	-1.26	36.63	46.00	-9.37	peak	
5		903.9700	34.83	3.09	37.92	46.00	-8.08	peak	
6		1000.000	37.33	4.29	41.62	54.00	-12.38	peak	

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.  
 (2) Margin Level = Measurement Value - Limit Value.

**APPENDIX D RADIATED EMISSIONS - FCC PART 15.225**

Test Mode	TX	Test Date	2025/5/28
Test Frequency	13.56MHz	Polarization	Vertical
Temp	25°C	Hum.	62%

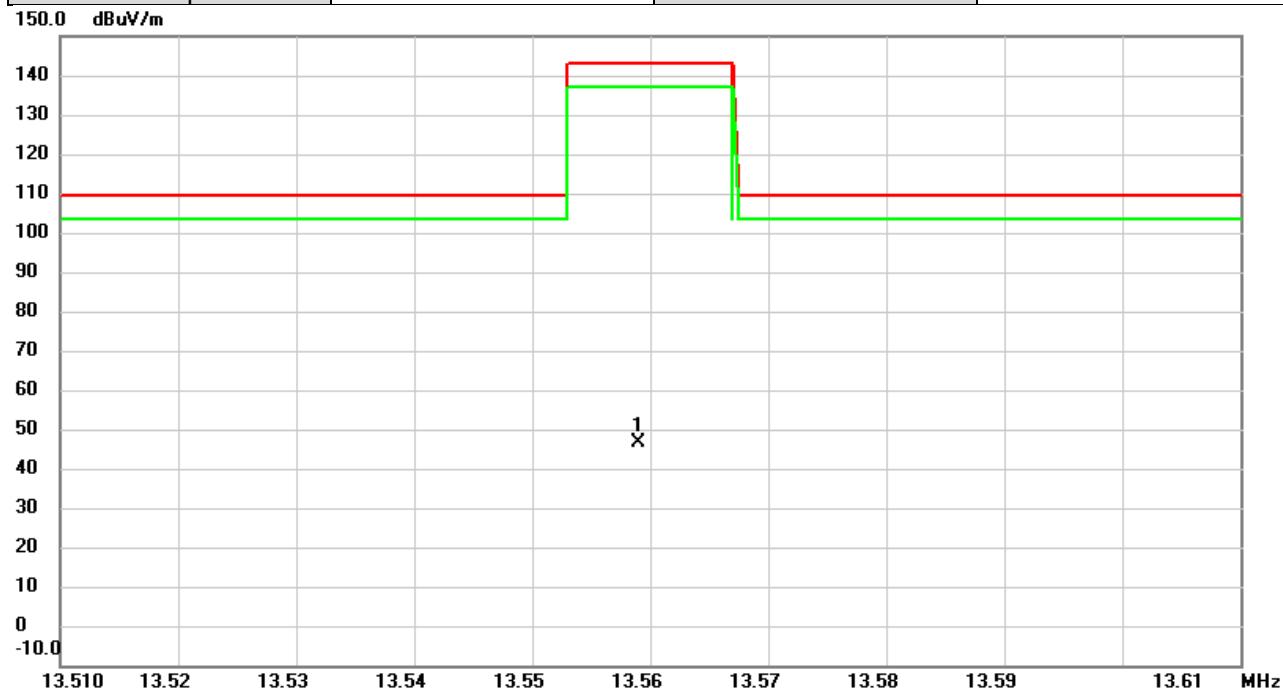


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB
1	*	13.5592	48.31	-3.32	44.99	143.07	-98.08

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX	Test Date	2025/5/28
Test Frequency	13.56MHz	Polarization	Horizontal
Temp	25°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin
		MHz	dBuV	dB	dBuV/m	dB	Detector Comment
1	*	13.5590	50.05	-3.32	46.73	143.07	-96.34 peak

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.  
 (2) Margin Level = Measurement Value - Limit Value.

**APPENDIX E FREQUENCY STABILITY MEASUREMENT**

Test Mode	TX	Tested Date	2025/4/28
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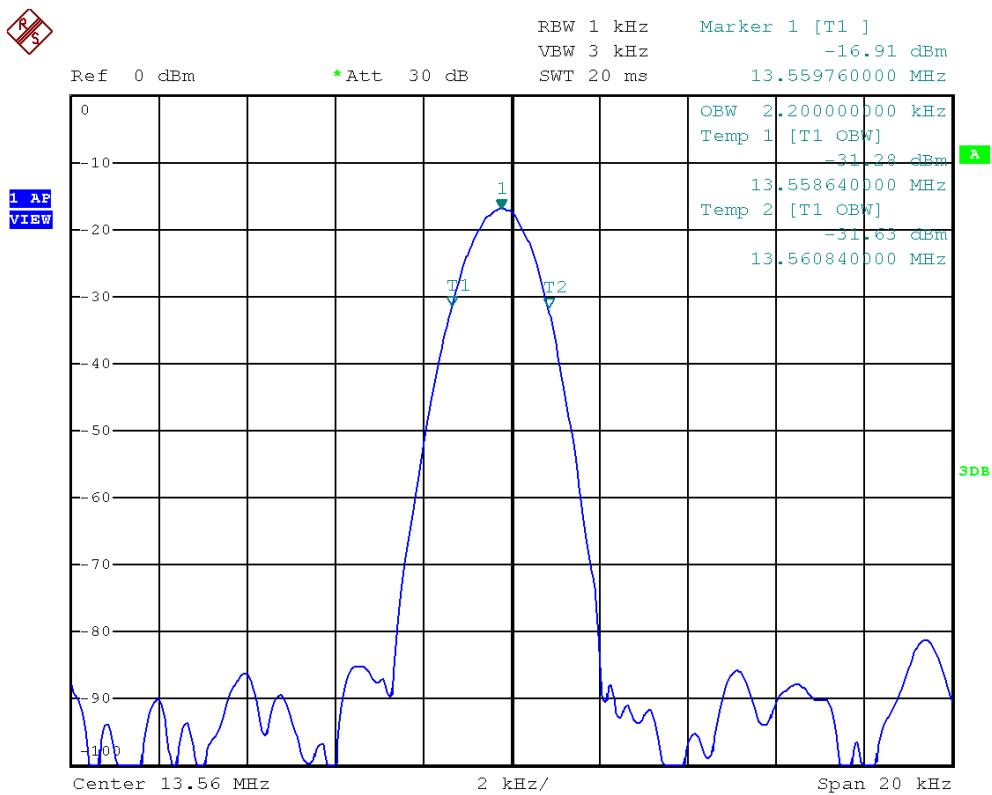
Condition			Frequency Error (ppm)									
Temperature	Modulation Mode	Test Freq.	0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min	Limit (ppm)	Result
Normal												
T <sub>20°C</sub> Vmax	CW	13.56	13.559760	13.559760	13.559760	13.559760	-17.70	-17.70	-17.70	-17.70	100	Pass
T <sub>20°C</sub> Vmin	CW	13.56	13.559760	13.559760	13.559760	13.559760	-17.70	-17.70	-17.70	-17.70		Pass
Extreme												
T <sub>40°C</sub> Vnom	CW	13.56	13.559760	13.559760	13.559760	13.559760	-17.70	-17.70	-17.70	-17.70	100	Pass
T <sub>30°C</sub> Vnom	CW	13.56	13.559760	13.559760	13.559760	13.559760	-17.70	-17.70	-17.70	-17.70		Pass
T <sub>20°C</sub> Vnom	CW	13.56	13.559760	13.559760	13.559760	13.559760	-17.70	-17.70	-17.70	-17.70		Pass
T <sub>10°C</sub> Vnom	CW	13.56	13.559800	13.559800	13.559800	13.559800	-14.75	-14.75	-14.75	-14.75		Pass
T <sub>0°C</sub> Vnom	CW	13.56	13.559760	13.559760	13.559760	13.559760	-17.70	-17.70	-17.70	-17.70		Pass

NOTE: 0.01 % = 100 ppm.

**APPENDIX F 20 DB BANDWIDTH**

Test Mode	TX
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Frequency (MHz)	20 dB Bandwidth (MHz)	Operated Frequency Range (MHz)	Designated Frequency Band (MHz)	Result
13.56	0.0022	13.56	0.014	PASS



Date: 28.APR.2025 11:06:57

**End of Test Report**