

# FCC Radio Test Report

## FCC ID: XMR2023RM520NGLM

**Report No.** : BTL-FCCP-14-2311T076  
**Equipment** : 5G Sub-6 GHz M.2 Module  
**Model Name** : RM520N-GL  
**Brand Name** : Quectel  
**Applicant** : Quectel Wireless Solutions Co., Ltd.  
**Address** : Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233

**Radio Function** : NR Band n5, n26

**FCC Rule Part(s)** : FCC CFR Title 47, Part 22, Subpart H

**Date of Receipt** : 2023/11/16  
**Date of Test** : 2023/11/27 ~ 2024/1/12  
**Issued Date** : 2024/3/19

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

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**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** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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.

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**REVISION HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-14-2311T076	R00	Original Report.	2024/1/31	Invalid
BTL-FCCP-14-2311T076	R01	Revised Typo.	2024/3/19	Valid

# 1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
2.1046 22.913(a)(5)	Effective Radiated Power	APPENDIX A	Pass	-----
2.1053 22.917(a)	Radiated Spurious Emissions	APPENDIX B	Pass	-----

**NOTE:**

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.
- (3) This test report is issued for the RF module (FCCID: XMR2023RM520NGLM) to be incorporated to the host device (Model number: TP00160A), Product name: Notebook Computer).  
Since the RF module has been certificated, after evaluation, above test items were criticized and reconfirmed in this report.
- (4) After spot check, this revision does not change original radio parameters.

### 1.1 REFERENCE TEST GUIDANCE

ANSI C63.26-2015  
 ANSI/TIA-603-E-2016  
 FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

### 1.2 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. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan  
 (FCC DN: TW0659)

C05                       SR10                       SR11

No. 72, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan  
 (FCC DN: TW0659)

C06                       CB21                       CB22

### 1.3 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 %**. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2  $U_{cispr}$  requirement.

A. Radiated emissions test:

Test Site	Measurement Frequency Range	U,(dB)
CB21	0.03 GHz ~ 0.2 GHz	4.17
	0.2 GHz ~ 1 GHz	4.72
	1 GHz ~ 6 GHz	5.21
	6 GHz ~ 18 GHz	5.51
	18 GHz ~ 26 GHz	3.69
	26 GHz ~ 40 GHz	4.23

NOTE:

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

### 1.4 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Test Voltage	Tested by
Effective Radiated Power	22.5 °C, 51 %	AC 120V	Cora Lin
Radiated Spurious Emissions	Refer to data	AC 120V	Kevin Zhen

## 2 GENERAL INFORMATION

### 2.1 DESCRIPTION OF EUT

Equipment	5G Sub-6 GHz M.2 Module			
Model Name	RM520N-GL			
Brand Name	Quectel			
Model Difference	N/A			
Power Source	Supplied from host system.			
Power Rating	3.3 Vdc			
Host device information				
Equipment	Notebook Computer			
Model Name	TP00160A			
Brand Name	Lenovo			
Model Difference	N/A			
Power Source	DC voltage supplied from External Power Supply. (Lenovo/ ADLX65YSDC2A)			
Power Rating	I/P: 100-240V~ 1.8A 50-60Hz O/P: 20.0VDC 3.25A 65.0W / 15.0VDC 3.0A / 9.0VDC 3.0A / 5.0VDC 3.0A 15.0W			
WIFI+BT Module	Intel® Wi-Fi 6E AX211 / AX211D2W Intel® BE200D2W / BE200D2W			
WWAN Module	Quectel / RM520N-GL Quectel / EM061K-GL			
NFC Module	FOXCONN / T77H747			
Operation Frequency	Band	UL Frequency (MHz)	DL Frequency (MHz)	
	NR n5	824 ~ 849	869 ~ 894	
	NR n26	824 ~ 849	869 ~ 894	
Maximum ERP	Band	BW (MHz)	Mode	Power (W)
	NR n5	5	PI/2 BPSK	0.076
			QPSK	0.078
			16QAM	0.073
			64QAM	0.059
			256QAM	0.035
		10	PI/2 BPSK	0.077
			QPSK	0.079
			16QAM	0.075
			64QAM	0.059
			256QAM	0.035
		15	PI/2 BPSK	0.078
			QPSK	0.081
			16QAM	0.076
			64QAM	0.060
			256QAM	0.036
		20	PI/2 BPSK	0.079
			QPSK	0.081
			16QAM	0.077
			64QAM	0.061
256QAM			0.036	
NR n26	5	PI/2 BPSK	0.098	
		QPSK	0.103	
		16QAM	0.081	
		64QAM	0.059	
		256QAM	0.035	

Maximum ERP	NR n26	10	PI/2 BPSK	0.100
			QPSK	0.104
			16QAM	0.082
			64QAM	0.059
			256QAM	0.036
		15	PI/2 BPSK	0.101
			QPSK	0.106
			16QAM	0.084
			64QAM	0.060
			256QAM	0.036
		20	PI/2 BPSK	0.097
			QPSK	0.098
			16QAM	0.085
			64QAM	0.061
256QAM	0.036			
Test Model	RM520N-GL			
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) Table for Filed Antenna:

Antenna	Manufacture	Parts Number	Type	Connector	Gain (dBi)	Note
Main	Luxshare-ICT	DC330022C00	PIFA	I-PEX	-1.59	NR Band n5
					-1.64	NR Band n26
MIMO1	Luxshare-ICT	DC330022C00	PIFA	I-PEX	-	RX only

Antenna	Manufacture	Parts Number	Type	Connector	Gain (dBi)	Note
Main	SPEEDWIRE	DC330022J10	PIFA	I-PEX	-1.59	NR Band n5
					-1.64	NR Band n26
MIMO1	SPEEDWIRE	DC330022J10	PIFA	I-PEX	-	RX only

(3) 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**

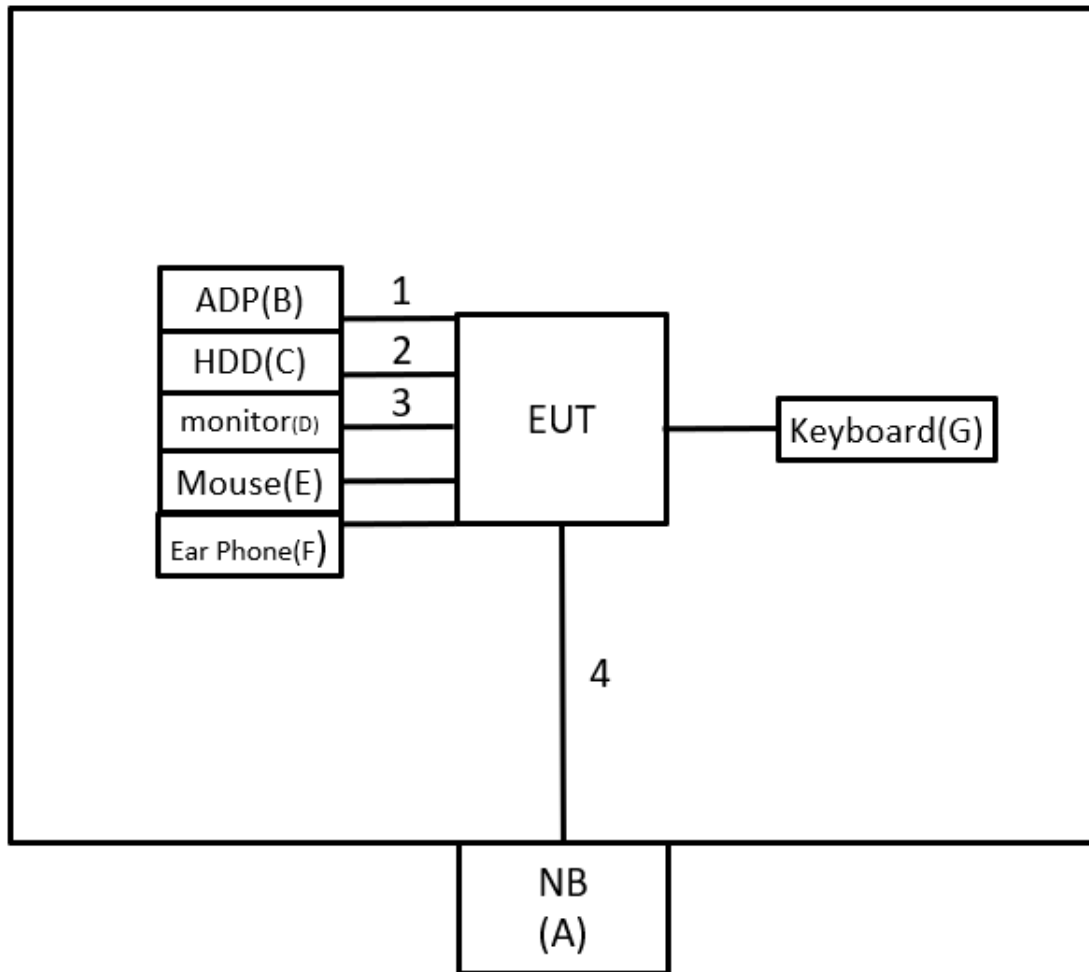
Test Items	Band	Test Mode	Note
Effective Radiated Power	NR n5	Refer to APPENDIX A	-
	NR n26		
Radiated Spurious Emissions (Below 1G)	NR n5	TX Mode (CH 166800)	-
	NR n26	TX Mode (CH 167800)	-
	NSA 2A_n5A	TX Mode (CH 168800)	-
Radiated Spurious Emissions (Above 1G)	NR n5	TX Mode (CH 166800/167300/167800)	-
	NR n26	TX Mode (CH 166800/167300/167800)	-
	NSA 2A_n5A	TX Mode (CH 165800/167300/168800)	-

**NOTE:**

- (1) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.
- (2) For Radiated Spurious Emissions both PI/2 BPSK, QPSK, 16QAM, 64QAM and 256QAM are evaluated, but only the worst case (QPSK) 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.



### 2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	NB	HP	TPN-1119	N/A	Furnished by test lab.
B	ADP	Lenovo	ADLX65YSDC2 A	N/A	Supplied by test requester.
C	USB 2.5" HDD	TOSIBA	XS700	483B60M9KQSS	Furnished by test lab.
D	27" 4K Monitor	DELL	U2720Q	CN-083VF-WSL0 0-0B7-332L	Furnished by test lab.
E	Mouse	Lenovo	SM-8823	N/A	Furnished by test lab.
F	Ear Phone	HTC	N/A	N/A	Furnished by test lab.
G	Keyboard	Bloody	KB-8	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	0.9m	Power Cord	Supplied by test requester.
2	N/A	N/A	1m	Type C to USB Cable	Furnished by test lab.
3	N/A	N/A	1.8m	HDMI	Furnished by test lab.
4	N/A	N/A	10m	RJ45 Cable	Furnished by test lab.

### 3 EFFECTIVE RADIATED POWER MEASUREMENT

#### 3.1 LIMIT

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts (38.45 dBm).

#### 3.2 TEST PROCEDURE

The testing follows FCC KDB 971168 v03r01 Section 5.8.

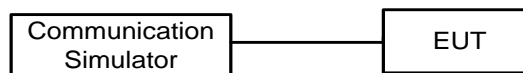
- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G
- c.  $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn.}$
- d. ERP can be calculated form EIRP by subtracting the gain of dipole,  $ERP = EIPR - 2.15\text{dBi.}$
- e. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

#### 3.3 DEVIATION FROM TEST STANDARD

No deviation.

#### 3.4 TEST SETUP

**Conducted Measurement:**



#### 3.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 3.6 TEST RESULT

Please refer to the APPENDIX A.

## 4 RADIATED SPURIOUS EMISSIONS MEASUREMENT

### 4.1 LIMIT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to -13dBm.

**NOTE:**

(1) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

Reading Level (dBm)		Correct Factor (dB/m)		Measurement Value (dBm)
-50.43	+	-2.11	=	-52.54

Measurement Value (dBm)		Limit Value (dBm)		Margin Level (dB)
-52.54	-	-13	=	-39.54

### 4.2 TEST PROCEDURE

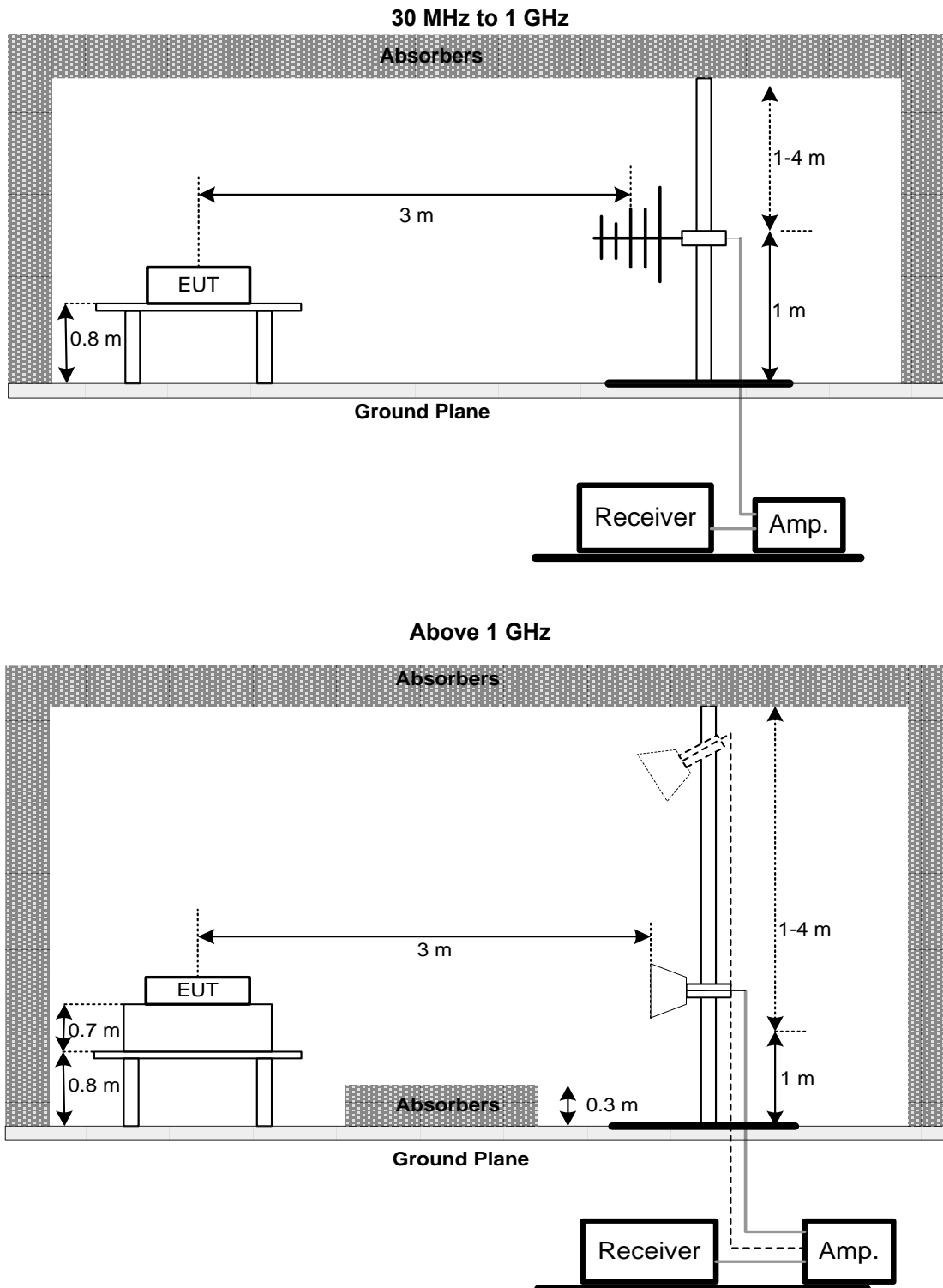
The testing follows FCC KDB 971168 v03r01 Section 6.2.

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G
- c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
- d. ERP can be calculated form EIRP by subtracting the gain of dipole,  $ERP = EIPR - 2.15\text{dBi}$ .
- e. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

### 4.3 DEVIATION FROM TEST STANDARD

No deviation.

## 4.4 TEST SETUP



## 4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

## 4.6 TEST RESULT

Please refer to the APPENDIX B.

## 5 LIST OF MEASURING EQUIPMENTS

Effective Radiated Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	WIRELESS COMMUNICATION TEST SET	Agilent	E5515C	GB47390193	2023/7/4	2024/7/3
2	Radio Communication Test Station	ANRITSU	MT8821C	6262044728	2023/11/22	2024/11/21
3	Radio Communication Analyzer	ANRITSU	MT8000A	6262036844	2023/11/22	2024/11/21
4	Radio Communication Analyzer	Keysight	E7515B	MY59020217	2023/7/6	2024/7/5

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC330N	980850	2023/9/6	2024/9/5
2	Preamplifier	EMCI	EMC118A45SE	980819	2023/3/7	2024/3/6
3	Pre-Amplifier	EMCI	EMC184045SE	980907	2023/9/21	2024/9/20
4	Test Cable	EMCI	EMC104-SM-1000	180809	2023/7/10	2024/7/9
5	Test Cable	EMCI	EMC104-SM-SM-3000	220322	2023/3/14	2024/3/13
6	Test Cable	EMCI	EMC104-SM-SM-7000	220324	2023/3/14	2024/3/13
7	EXA Signal Analyzer	keysight	N9020B	MY57120120	2023/2/24	2024/2/23
8	Horn Antenna	RFSPIN	DRH18-E	211202A18EN	2023/5/12	2024/5/11
9	Horn Ant	Schwarzbeck	BBHA 9170D	1136	2023/5/12	2024/5/11
10	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2023/5/9	2024/5/8
11	6dB Attenuator	EMCI	EMCI-N-6-06	AT-06001	2023/5/9	2024/5/8
12	Test Cable	EMCI	EMC101G-KM-KM-3000	220329	2023/3/14	2024/3/13
13	Test Cable	EMCI	EMC102-KM-KM-1000	220327	2023/3/14	2024/3/13
14	WIRELESS COMMUNICATION TEST SET	Agilent	E5515C	GB47390193	2023/7/4	2024/7/3
15	Radio Communication Analyzer	ANRITSU	MT8820C	6201381608	2022/12/22	2023/12/21
16	Radio Communication Analyzer	Keysight	E7515B	MY59020217	2023/7/6	2024/7/5
17	Measurement Software	EZ	EZ_EMCI (Version NB-03A1-01)	N/A	N/A	N/A

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

**6 EUT TEST PHOTO**

Please refer to document Appendix No.: TP-2311T076-FCCP-1 (APPENDIX-TEST PHOTOS).

**7 EUT PHOTOS**

Please refer to document Appendix No.: EP-2311T076-1 (APPENDIX-EUT PHOTOS).

## APPENDIX A EFFECTIVE RADIATED POWER



**NR Band n5 Power:**

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
n5_SA	5	165300	826.5	PI/2 BPSK	1	1	0	22.55	18.81	0.076
					1	23	0	22.34	18.60	0.072
					25	0	0.5	22.31	18.57	0.072
				QPSK	1	1	0	22.66	18.92	0.078
					1	23	0	22.42	18.68	0.074
					25	0	1	22.27	18.53	0.071
				16QAM	1	1	1	22.06	18.32	0.068
					1	23	1	22.39	18.65	0.073
					25	0	2	21.58	17.84	0.061
				64QAM	1	1	2.5	21.39	17.65	0.058
					1	23	2.5	21.17	17.43	0.055
					25	0	2.5	20.97	17.23	0.053
		256QAM	1	1	4.5	19.04	15.30	0.034		
			1	23	4.5	19.15	15.41	0.035		
			25	0	4.5	19.05	15.31	0.034		
		167300	836.5	PI/2 BPSK	1	1	0	22.44	18.70	0.074
					1	23	0	22.38	18.64	0.073
					25	0	0.5	22.51	18.77	0.075
				QPSK	1	1	0	22.55	18.81	0.076
					1	23	0	22.18	18.44	0.070
					25	0	1	22.49	18.75	0.075
				16QAM	1	1	1	22.03	18.29	0.067
					1	23	1	22.40	18.66	0.073
					25	0	2	21.63	17.89	0.062
				64QAM	1	1	2.5	21.42	17.68	0.059
					1	23	2.5	21.14	17.40	0.055
					25	0	2.5	20.98	17.24	0.053
		256QAM	1	1	4.5	19.11	15.37	0.034		
			1	23	4.5	18.89	15.15	0.033		
			25	0	4.5	19.13	15.39	0.035		
		169300	846.5	PI/2 BPSK	1	1	0	22.42	18.68	0.074
					1	23	0	22.23	18.49	0.071
					25	0	0.5	22.39	18.65	0.073
				QPSK	1	1	0	22.47	18.73	0.075
					1	23	0	22.38	18.64	0.073
					25	0	1	22.46	18.72	0.074
				16QAM	1	1	1	22.04	18.30	0.068
					1	23	1	22.35	18.61	0.073
					25	0	2	21.53	17.79	0.060
				64QAM	1	1	2.5	21.34	17.60	0.058
					1	23	2.5	21.11	17.37	0.055
					25	0	2.5	21.08	17.34	0.054
		256QAM	1	1	4.5	19.08	15.34	0.034		
			1	23	4.5	18.73	14.99	0.032		
			25	0	4.5	19.08	15.34	0.034		

**NOTE:**

- (1) EIRP = Average power + Antenna gain.
- (2) ERP = EIRP - 2.15.
- (3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10)} / 1000$

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
n5_SA	10	165800	829.0	PI/2 BPSK	1	1	0	22.61	18.87	0.077
					1	50	0	22.41	18.67	0.074
					50	0	0.5	22.38	18.64	0.073
				QPSK	1	1	0	22.73	18.99	0.079
					1	50	0	22.47	18.73	0.075
					50	0	1	22.35	18.61	0.073
				16QAM	1	1	1	21.97	18.23	0.067
					1	50	1	22.46	18.72	0.074
					50	0	2	21.66	17.92	0.062
				64QAM	1	1	2.5	21.46	17.72	0.059
					1	50	2.5	21.23	17.49	0.056
					50	0	2.5	21.03	17.29	0.054
				256QAM	1	1	4.5	19.10	15.36	0.034
					1	50	4.5	19.20	15.46	0.035
					50	0	4.5	19.11	15.37	0.034
		167300	836.5	PI/2 BPSK	1	1	0	22.52	18.78	0.076
					1	50	0	22.45	18.71	0.074
					50	0	0.5	22.55	18.81	0.076
				QPSK	1	1	0	22.60	18.86	0.077
					1	50	0	22.24	18.50	0.071
					50	0	1	22.53	18.79	0.076
				16QAM	1	1	1	21.87	18.13	0.065
					1	50	1	22.47	18.73	0.075
					50	0	2	21.69	17.95	0.062
				64QAM	1	1	2.5	21.47	17.73	0.059
					1	50	2.5	21.20	17.46	0.056
					50	0	2.5	21.06	17.32	0.054
				256QAM	1	1	4.5	19.16	15.42	0.035
					1	50	4.5	18.96	15.22	0.033
					50	0	4.5	19.19	15.45	0.035
		168800	844.0	PI/2 BPSK	1	1	0	22.49	18.75	0.075
					1	50	0	22.27	18.53	0.071
					50	0	0.5	22.47	18.73	0.075
				QPSK	1	1	0	22.55	18.81	0.076
					1	50	0	22.45	18.71	0.074
					50	0	1	22.53	18.79	0.076
				16QAM	1	1	1	22.07	18.33	0.068
					1	50	1	22.42	18.68	0.074
					50	0	2	21.59	17.85	0.061
				64QAM	1	1	2.5	21.38	17.64	0.058
					1	50	2.5	21.16	17.42	0.055
					50	0	2.5	21.12	17.38	0.055
				256QAM	1	1	4.5	19.13	15.39	0.035
					1	50	4.5	18.79	15.05	0.032
					50	0	4.5	19.14	15.40	0.035

**NOTE:**

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

 (3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10) / 1000}$

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
n5_SA	15	166300	831.5	PI/2 BPSK	1	1	0	22.66	18.92	0.078
					1	77	0	22.48	18.74	0.075
					75	0	0.5	22.43	18.69	0.074
				QPSK	1	1	0	22.80	19.06	0.081
					1	77	0	22.52	18.78	0.076
					75	0	1	22.41	18.67	0.074
				16QAM	1	1	1	22.04	18.30	0.068
					1	77	1	22.53	18.79	0.076
					75	0	2	21.73	17.99	0.063
				64QAM	1	1	2.5	21.50	17.76	0.060
					1	77	2.5	21.29	17.55	0.057
					75	0	2.5	21.10	17.36	0.054
				256QAM	1	1	4.5	19.16	15.42	0.035
					1	77	4.5	19.26	15.52	0.036
					75	0	4.5	19.16	15.42	0.035
		167300	836.5	PI/2 BPSK	1	1	0	22.60	18.86	0.077
					1	77	0	22.50	18.76	0.075
					75	0	0.5	22.60	18.86	0.077
				QPSK	1	1	0	22.66	18.92	0.078
					1	77	0	22.32	18.58	0.072
					75	0	1	22.58	18.84	0.077
				16QAM	1	1	1	21.91	18.17	0.066
					1	77	1	22.53	18.79	0.076
					75	0	2	21.74	18.00	0.063
				64QAM	1	1	2.5	21.53	17.79	0.060
					1	77	2.5	21.28	17.54	0.057
					75	0	2.5	21.12	17.38	0.055
				256QAM	1	1	4.5	19.23	15.49	0.035
					1	77	4.5	19.02	15.28	0.034
					75	0	4.5	19.23	15.49	0.035
		168300	841.5	PI/2 BPSK	1	1	0	22.54	18.80	0.076
					1	77	0	22.34	18.60	0.072
					75	0	0.5	22.53	18.79	0.076
				QPSK	1	1	0	22.60	18.86	0.077
					1	77	0	22.52	18.78	0.076
					75	0	1	22.58	18.84	0.077
				16QAM	1	1	1	22.11	18.37	0.069
					1	77	1	22.48	18.74	0.075
					75	0	2	21.66	17.92	0.062
				64QAM	1	1	2.5	21.43	17.69	0.059
					1	77	2.5	21.20	17.46	0.056
					75	0	2.5	21.16	17.42	0.055
				256QAM	1	1	4.5	19.18	15.44	0.035
					1	77	4.5	18.86	15.12	0.033
					75	0	4.5	19.18	15.44	0.035

**NOTE:**

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

 (3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10) / 1000}$

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
n5_SA	20	166800	834.0	PI/2 BPSK	1	1	0	22.70	18.96	0.079
					1	104	0	22.53	18.79	0.076
					100	0	0.5	22.48	18.74	0.075
				QPSK	1	1	0	22.85	19.11	0.081
					1	104	0	22.57	18.83	0.076
					100	0	1	22.48	18.74	0.075
				16QAM	1	1	1	22.04	18.30	0.068
					1	104	1	22.59	18.85	0.077
					100	0	2	21.78	18.04	0.064
				64QAM	1	1	2.5	21.58	17.84	0.061
					1	104	2.5	21.35	17.61	0.058
					100	0	2.5	21.16	17.42	0.055
		256QAM	1	1	4.5	19.22	15.48	0.035		
			1	104	4.5	19.34	15.60	0.036		
			100	0	4.5	19.23	15.49	0.035		
		167300	836.5	PI/2 BPSK	1	1	0	22.65	18.91	0.078
					1	104	0	22.56	18.82	0.076
					100	0	0.5	22.67	18.93	0.078
				QPSK	1	1	0	22.73	18.99	0.079
					1	104	0	22.37	18.63	0.073
					100	0	1	22.64	18.90	0.078
				16QAM	1	1	1	21.98	18.24	0.067
					1	104	1	22.58	18.84	0.077
					100	0	2	21.79	18.05	0.064
				64QAM	1	1	2.5	21.58	17.84	0.061
					1	104	2.5	21.34	17.60	0.058
					100	0	2.5	21.20	17.46	0.056
		256QAM	1	1	4.5	19.27	15.53	0.036		
			1	104	4.5	19.07	15.33	0.034		
			100	0	4.5	19.30	15.56	0.036		
		167800	839.0	PI/2 BPSK	1	1	0	22.61	18.87	0.077
					1	104	0	22.39	18.65	0.073
					100	0	0.5	22.60	18.86	0.077
				QPSK	1	1	0	22.67	18.93	0.078
					1	104	0	22.57	18.83	0.076
					100	0	1	22.62	18.88	0.077
16QAM	1			1	1	22.12	18.38	0.069		
	1			104	1	22.55	18.81	0.076		
	100			0	2	21.73	17.99	0.063		
64QAM	1			1	2.5	21.47	17.73	0.059		
	1			104	2.5	21.25	17.51	0.056		
	100			0	2.5	21.22	17.48	0.056		
256QAM	1	1	4.5	19.25	15.51	0.036				
	1	104	4.5	18.93	15.19	0.033				
	100	0	4.5	19.25	15.51	0.036				

**NOTE:**

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

 (3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10) / 1000}$

**NR Band n26 Power:**

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
n26_SA	5	165300	826.5	PI/2 BPSK	1	1	0	23.71	19.92	0.098
					1	23	0	23.67	19.88	0.097
					25	0	0.5	23.28	19.49	0.089
				QPSK	1	1	0	23.91	20.12	0.103
					1	23	0	23.82	20.03	0.101
					25	0	1	22.71	18.92	0.078
				16QAM	1	1	1	22.88	19.09	0.081
					1	23	1	22.79	19.00	0.079
					25	0	2	21.75	17.96	0.063
				64QAM	1	1	2.5	21.46	17.67	0.058
					1	23	2.5	21.33	17.54	0.057
					25	0	2.5	21.20	17.41	0.055
		256QAM	1	1	4.5	19.11	15.32	0.034		
			1	23	4.5	19.02	15.23	0.033		
			25	0	4.5	19.20	15.41	0.035		
		167300	836.5	PI/2 BPSK	1	1	0	23.69	19.90	0.098
					1	23	0	23.65	19.86	0.097
					25	0	0.5	23.29	19.50	0.089
				QPSK	1	1	0	23.80	20.01	0.100
					1	23	0	23.80	20.01	0.100
					25	0	1	22.78	18.99	0.079
				16QAM	1	1	1	22.88	19.09	0.081
					1	23	1	22.85	19.06	0.081
					25	0	2	22.87	19.08	0.081
				64QAM	1	1	2.5	21.46	17.67	0.058
					1	23	2.5	21.40	17.61	0.058
					25	0	2.5	21.14	17.35	0.054
		256QAM	1	1	4.5	19.06	15.27	0.034		
			1	23	4.5	18.99	15.20	0.033		
			25	0	4.5	19.24	15.45	0.035		
		169300	846.5	PI/2 BPSK	1	1	0	23.62	19.83	0.096
					1	23	0	23.66	19.87	0.097
					25	0	0.5	23.15	19.36	0.086
				QPSK	1	1	0	23.85	20.06	0.101
					1	23	0	23.83	20.04	0.101
					25	0	1	22.69	18.90	0.078
16QAM	1			1	1	22.80	19.01	0.080		
	1			23	1	22.79	19.00	0.079		
	25			0	2	21.74	17.95	0.062		
64QAM	1			1	2.5	21.49	17.70	0.059		
	1			23	2.5	21.47	17.68	0.059		
	25			0	2.5	21.25	17.46	0.056		
256QAM	1	1	4.5	19.06	15.27	0.034				
	1	23	4.5	19.02	15.23	0.033				
	25	0	4.5	19.20	15.41	0.035				

**NOTE:**

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

 (3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10) / 1000}$

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
n26_SA	10	165800	829	PI/2 BPSK	1	1	0	23.77	19.98	0.100
					1	50	0	23.74	19.95	0.099
					50	0	0.5	23.35	19.56	0.090
				QPSK	1	1	0	23.98	20.19	0.104
					1	50	0	23.87	20.08	0.102
					50	0	1	22.79	19.00	0.079
				16QAM	1	1	1	22.94	19.15	0.082
					1	50	1	22.86	19.07	0.081
					50	0	2	21.83	18.04	0.064
				64QAM	1	1	2.5	21.53	17.74	0.059
					1	50	2.5	21.39	17.60	0.058
					50	0	2.5	21.26	17.47	0.056
				256QAM	1	1	4.5	19.17	15.38	0.035
					1	50	4.5	19.07	15.28	0.034
					50	0	4.5	19.26	15.47	0.035
		167300	836.5	PI/2 BPSK	1	1	0	23.77	19.98	0.100
					1	50	0	23.72	19.93	0.098
					50	0	0.5	23.33	19.54	0.090
				QPSK	1	1	0	23.85	20.06	0.101
					1	50	0	23.86	20.07	0.102
					50	0	1	22.82	19.03	0.080
				16QAM	1	1	1	22.93	19.14	0.082
					1	50	1	22.92	19.13	0.082
					50	0	2	22.93	19.14	0.082
				64QAM	1	1	2.5	21.51	17.72	0.059
					1	50	2.5	21.46	17.67	0.058
					50	0	2.5	21.22	17.43	0.055
				256QAM	1	1	4.5	19.11	15.32	0.034
					1	50	4.5	19.06	15.27	0.034
					50	0	4.5	19.30	15.51	0.036
		168800	844	PI/2 BPSK	1	1	0	23.69	19.90	0.098
					1	50	0	23.70	19.91	0.098
					50	0	0.5	23.23	19.44	0.088
				QPSK	1	1	0	23.93	20.14	0.103
					1	50	0	23.90	20.11	0.103
					50	0	1	22.76	18.97	0.079
				16QAM	1	1	1	22.87	19.08	0.081
					1	50	1	22.86	19.07	0.081
					50	0	2	21.80	18.01	0.063
				64QAM	1	1	2.5	21.53	17.74	0.059
					1	50	2.5	21.52	17.73	0.059
					50	0	2.5	21.29	17.50	0.056
				256QAM	1	1	4.5	19.11	15.32	0.034
					1	50	4.5	19.08	15.29	0.034
					50	0	4.5	19.26	15.47	0.035

**NOTE:**

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

 (3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10) / 1000}$

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
n26_SA	15	166300	831.5	PI/2 BPSK	1	1	0	23.82	20.03	0.101
					1	77	0	23.81	20.02	0.100
					75	0	0.5	23.40	19.61	0.091
				QPSK	1	1	0	24.05	20.26	0.106
					1	77	0	23.92	20.13	0.103
					75	0	1	22.85	19.06	0.081
				16QAM	1	1	1	23.01	19.22	0.084
					1	77	1	22.93	19.14	0.082
					75	0	2	21.90	18.11	0.065
				64QAM	1	1	2.5	21.57	17.78	0.060
					1	77	2.5	21.45	17.66	0.058
					75	0	2.5	21.33	17.54	0.057
		256QAM	1	1	4.5	19.23	15.44	0.035		
			1	77	4.5	19.13	15.34	0.034		
			75	0	4.5	19.31	15.52	0.036		
		167300	836.5	PI/2 BPSK	1	1	0	23.85	20.06	0.101
					1	77	0	23.77	19.98	0.100
					75	0	0.5	23.38	19.59	0.091
				QPSK	1	1	0	23.91	20.12	0.103
					1	77	0	23.94	20.15	0.104
					75	0	1	22.87	19.08	0.081
				16QAM	1	1	1	22.97	19.18	0.083
					1	77	1	22.98	19.19	0.083
					75	0	2	22.98	19.19	0.083
				64QAM	1	1	2.5	21.57	17.78	0.060
					1	77	2.5	21.54	17.75	0.060
					75	0	2.5	21.28	17.49	0.056
		256QAM	1	1	4.5	19.18	15.39	0.035		
			1	77	4.5	19.12	15.33	0.034		
			75	0	4.5	19.34	15.55	0.036		
		168300	841.5	PI/2 BPSK	1	1	0	23.74	19.95	0.099
					1	77	0	23.77	19.98	0.100
					75	0	0.5	23.29	19.50	0.089
				QPSK	1	1	0	23.98	20.19	0.104
					1	77	0	23.97	20.18	0.104
					75	0	1	22.81	19.02	0.080
				16QAM	1	1	1	22.94	19.15	0.082
					1	77	1	22.92	19.13	0.082
					75	0	2	21.87	18.08	0.064
				64QAM	1	1	2.5	21.58	17.79	0.060
					1	77	2.5	21.56	17.77	0.060
					75	0	2.5	21.33	17.54	0.057
256QAM	1	1	4.5	19.16	15.37	0.034				
	1	77	4.5	19.15	15.36	0.034				
	75	0	4.5	19.30	15.51	0.036				

**NOTE:**

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

 (3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10) / 1000}$

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
n26_SA	20	166800	834	PI/2 BPSK	1	1	0	23.39	19.60	0.091
					1	104	0	23.67	19.88	0.097
					100	0	0.5	23.45	19.66	0.092
				QPSK	1	1	0	23.42	19.63	0.092
					1	104	0	23.71	19.92	0.098
					100	0	1	22.92	19.13	0.082
				16QAM	1	1	1	23.07	19.28	0.085
					1	104	1	22.99	19.20	0.083
					100	0	2	21.95	18.16	0.065
				64QAM	1	1	2.5	21.65	17.86	0.061
					1	104	2.5	21.51	17.72	0.059
					100	0	2.5	21.39	17.60	0.058
				256QAM	1	1	4.5	19.29	15.50	0.035
					1	104	4.5	19.21	15.42	0.035
					100	0	4.5	19.38	15.59	0.036
		167300	836.5	PI/2 BPSK	1	1	0	23.44	19.65	0.092
					1	104	0	23.59	19.80	0.095
					100	0	0.5	23.45	19.66	0.092
				QPSK	1	1	0	23.37	19.58	0.091
					1	104	0	23.59	19.80	0.095
					100	0	1	22.93	19.14	0.082
				16QAM	1	1	1	23.04	19.25	0.084
					1	104	1	23.03	19.24	0.084
					100	0	2	22.61	18.82	0.076
				64QAM	1	1	2.5	21.62	17.83	0.061
					1	104	2.5	21.60	17.81	0.060
					100	0	2.5	21.36	17.57	0.057
				256QAM	1	1	4.5	19.22	15.43	0.035
					1	104	4.5	19.17	15.38	0.035
					100	0	4.5	19.41	15.62	0.036
		167800	839	PI/2 BPSK	1	1	0	23.32	19.53	0.090
					1	104	0	23.49	19.70	0.093
					100	0	0.5	23.36	19.57	0.091
				QPSK	1	1	0	23.38	19.59	0.091
					1	104	0	23.55	19.76	0.095
					100	0	1	22.85	19.06	0.081
				16QAM	1	1	1	22.99	19.20	0.083
					1	104	1	22.99	19.20	0.083
					100	0	2	21.94	18.15	0.065
				64QAM	1	1	2.5	21.62	17.83	0.061
					1	104	2.5	21.61	17.82	0.061
					100	0	2.5	21.39	17.60	0.058
				256QAM	1	1	4.5	19.23	15.44	0.035
					1	104	4.5	19.22	15.43	0.035
					100	0	4.5	19.37	15.58	0.036

**NOTE:**

(1) EIRP = Average power + Antenna gain.

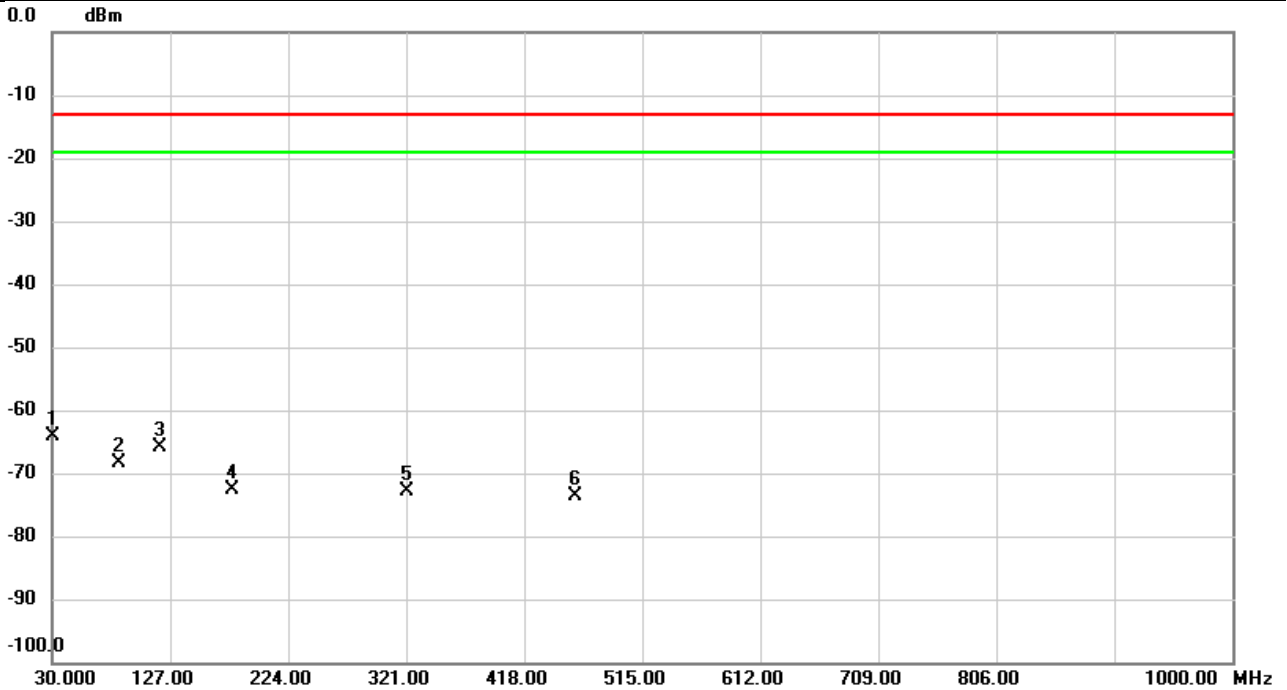
(2) ERP = EIRP - 2.15.

 (3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10) / 1000}$



## **APPENDIX B RADIATED SPURIOUS EMISSIONS**

Test Mode	NR n5	Test Date	2023/12/4
Test Channel	CH166800	Polarization	Vertical
Temp	22°C	Hum.	58%

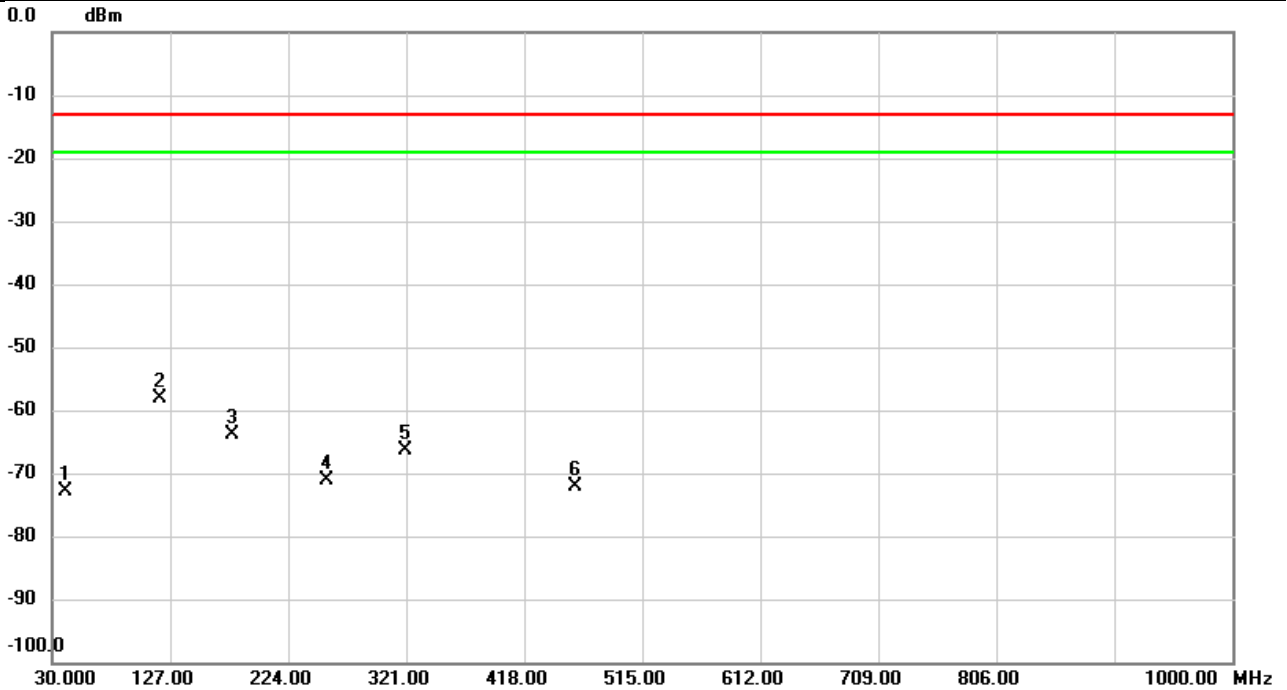


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	31.2287	-62.07	-2.15	-64.22	-13.00	-51.22	peak	
2		84.4170	-66.13	-2.15	-68.28	-13.00	-55.28	peak	
3		118.8197	-63.73	-2.15	-65.88	-13.00	-52.88	peak	
4		178.0220	-70.49	-2.15	-72.64	-13.00	-59.64	peak	
5		321.0000	-70.72	-2.15	-72.87	-13.00	-59.87	peak	
6		459.5807	-71.40	-2.15	-73.55	-13.00	-60.55	peak	

**REMARKS:**

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

Test Mode	NR n5	Test Date	2023/12/4
Test Channel	CH166800	Polarization	Horizontal
Temp	22°C	Hum.	58%

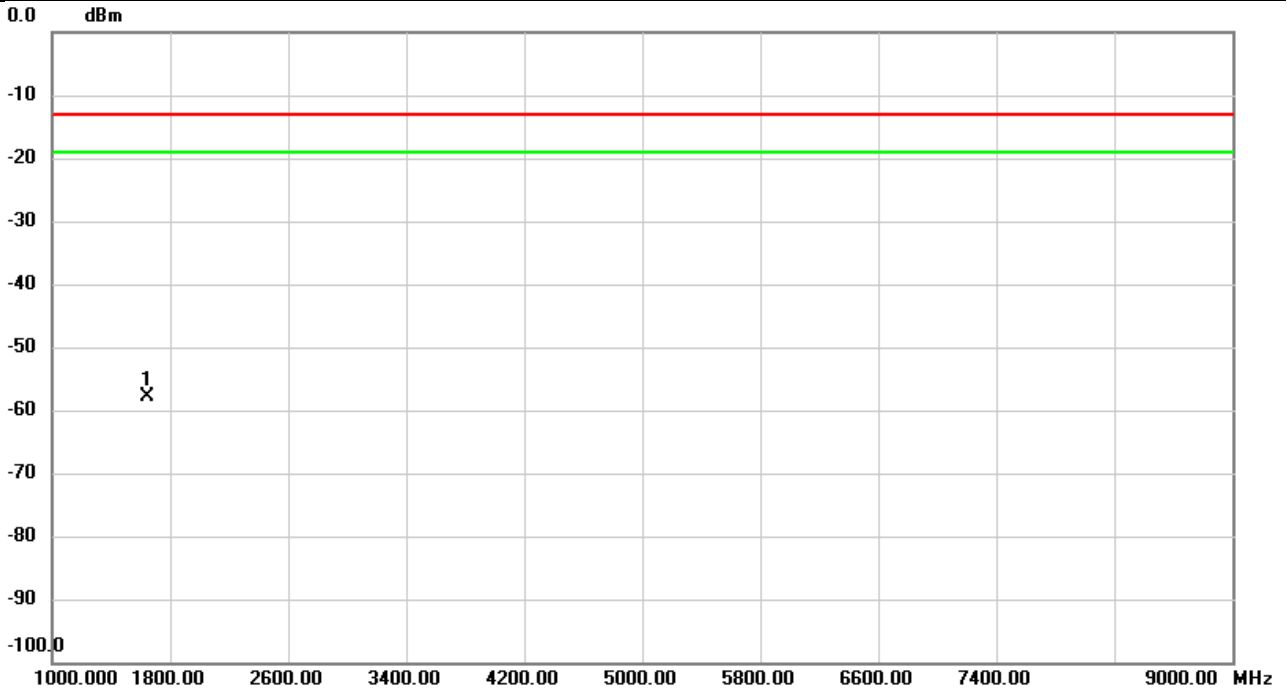


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		40.9933	-70.69	-2.15	-72.84	-13.00	-59.84	peak	
2	*	118.1083	-55.94	-2.15	-58.09	-13.00	-45.09	peak	
3		178.1837	-61.72	-2.15	-63.87	-13.00	-50.87	peak	
4		256.1070	-68.86	-2.15	-71.01	-13.00	-58.01	peak	
5		319.8037	-64.12	-2.15	-66.27	-13.00	-53.27	peak	
6		459.5807	-69.88	-2.15	-72.03	-13.00	-59.03	peak	

**REMARKS:**

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

Test Mode	NR n5	Test Date	2023/12/1
Test Channel	CH166800	Polarization	Vertical
Temp	21°C	Hum.	57%

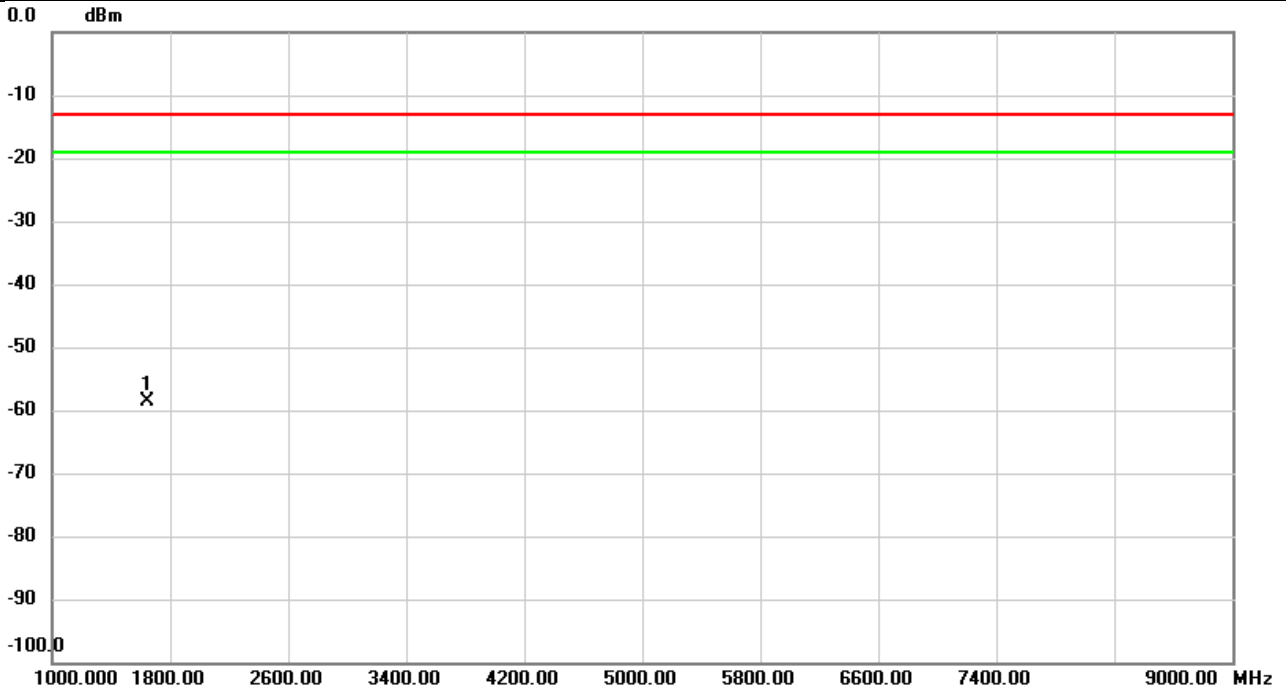


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1648.000	-63.51	5.59	-57.92	-13.00	-44.92	peak	

REMARKS:

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

Test Mode	NR n5	Test Date	2023/12/1
Test Channel	CH166800	Polarization	Horizontal
Temp	21°C	Hum.	57%

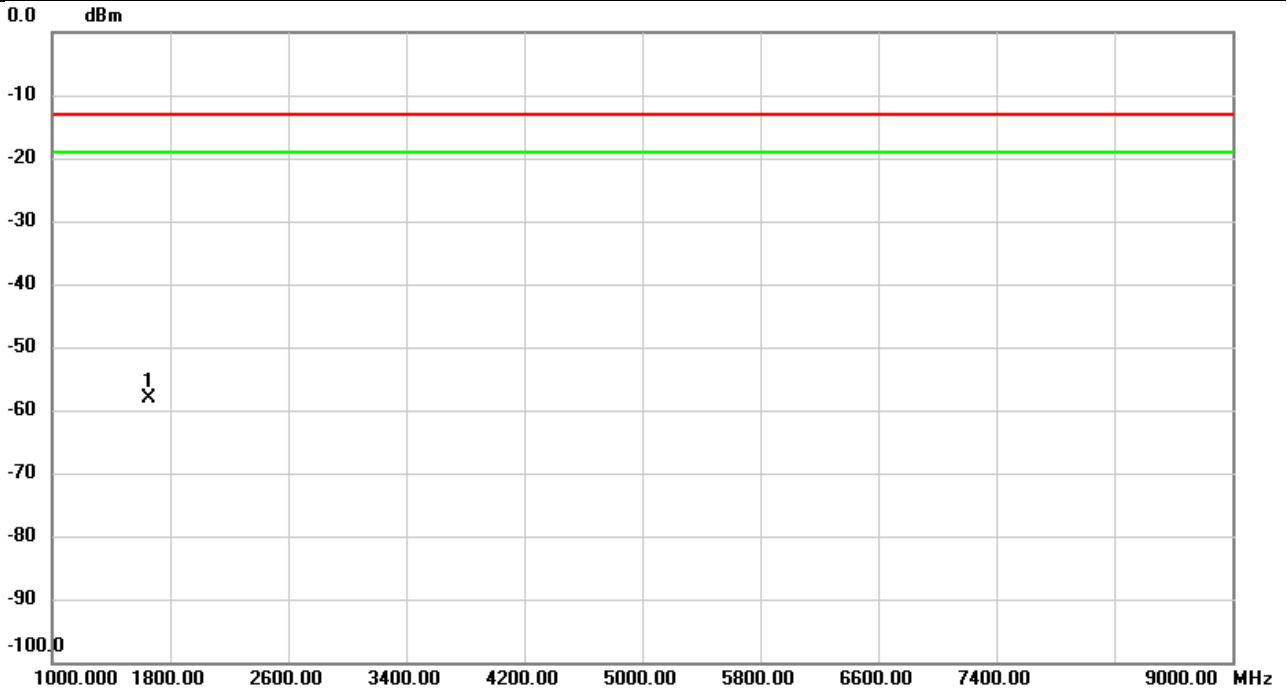


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1648.000	-64.00	5.50	-58.50	-13.00	-45.50	peak	

REMARKS:

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

Test Mode	NR n5	Test Date	2023/12/1
Test Channel	CH167300	Polarization	Vertical
Temp	21°C	Hum.	57%

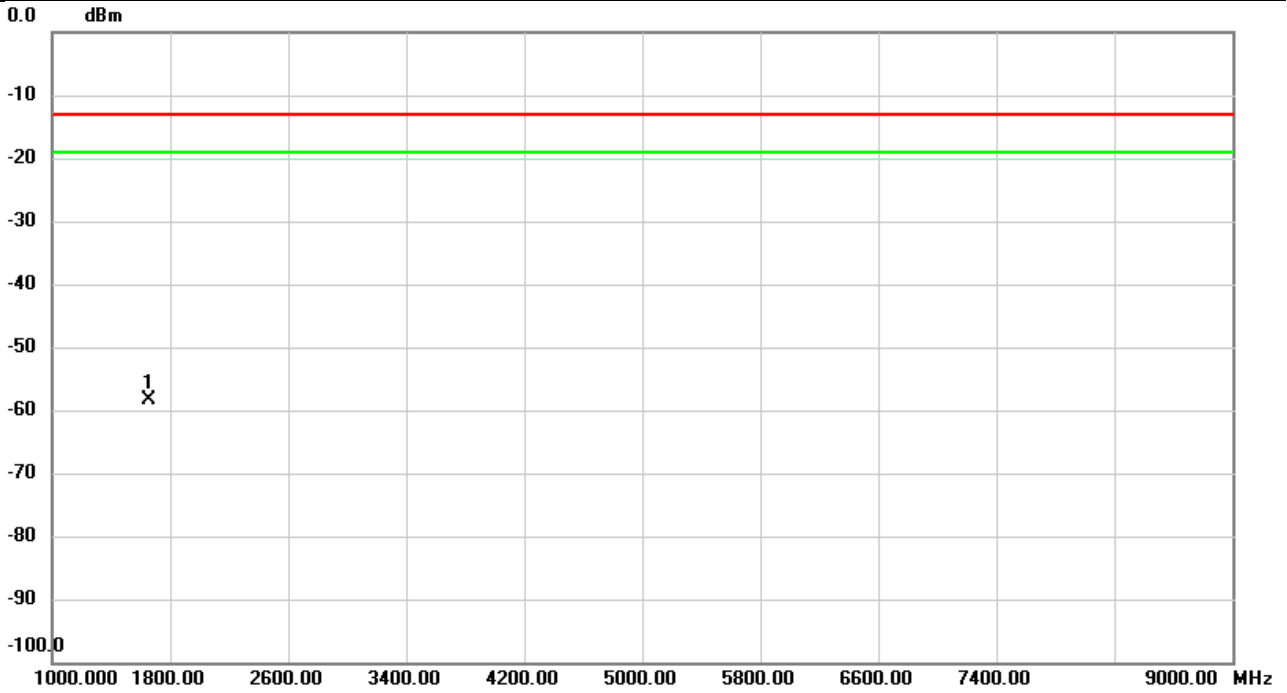


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1653.000	-63.78	5.62	-58.16	-13.00	-45.16	peak	

**REMARKS:**

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

Test Mode	NR n5	Test Date	2023/12/1
Test Channel	CH167300	Polarization	Horizontal
Temp	21°C	Hum.	57%

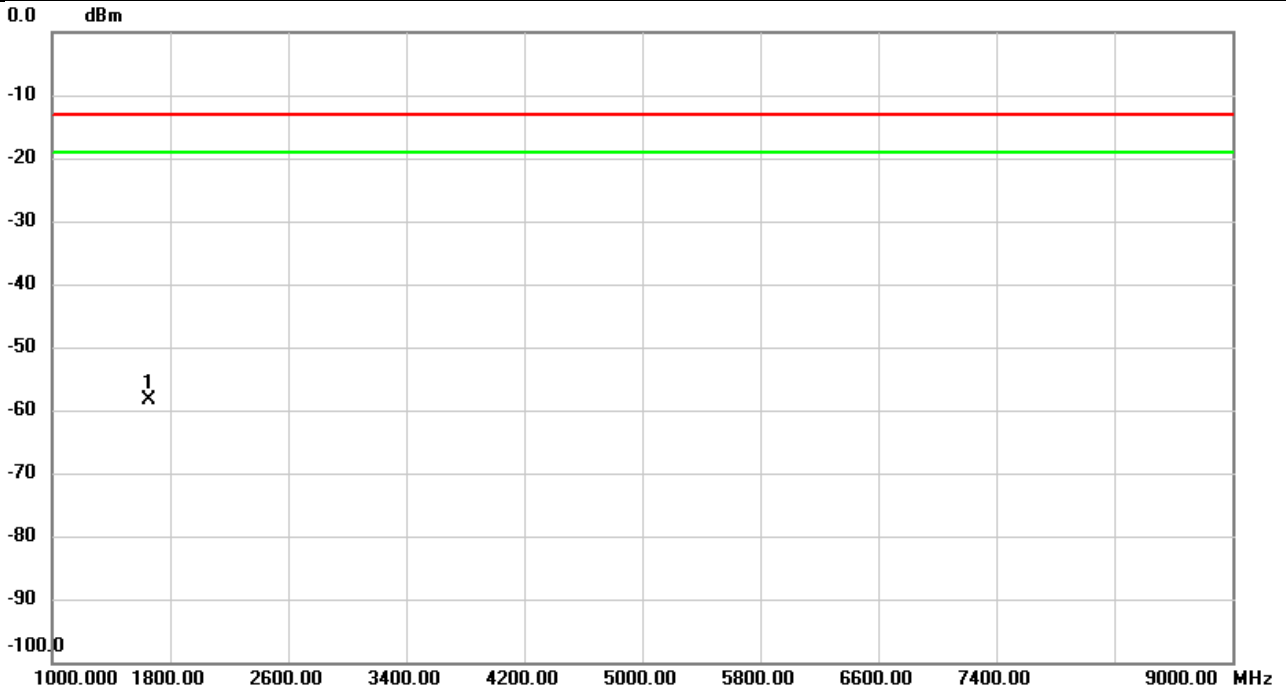


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1653.000	-63.86	5.53	-58.33	-13.00	-45.33	peak	

REMARKS:

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

Test Mode	NR n5	Test Date	2023/12/1
Test Channel	CH167800	Polarization	Vertical
Temp	21°C	Hum.	57%



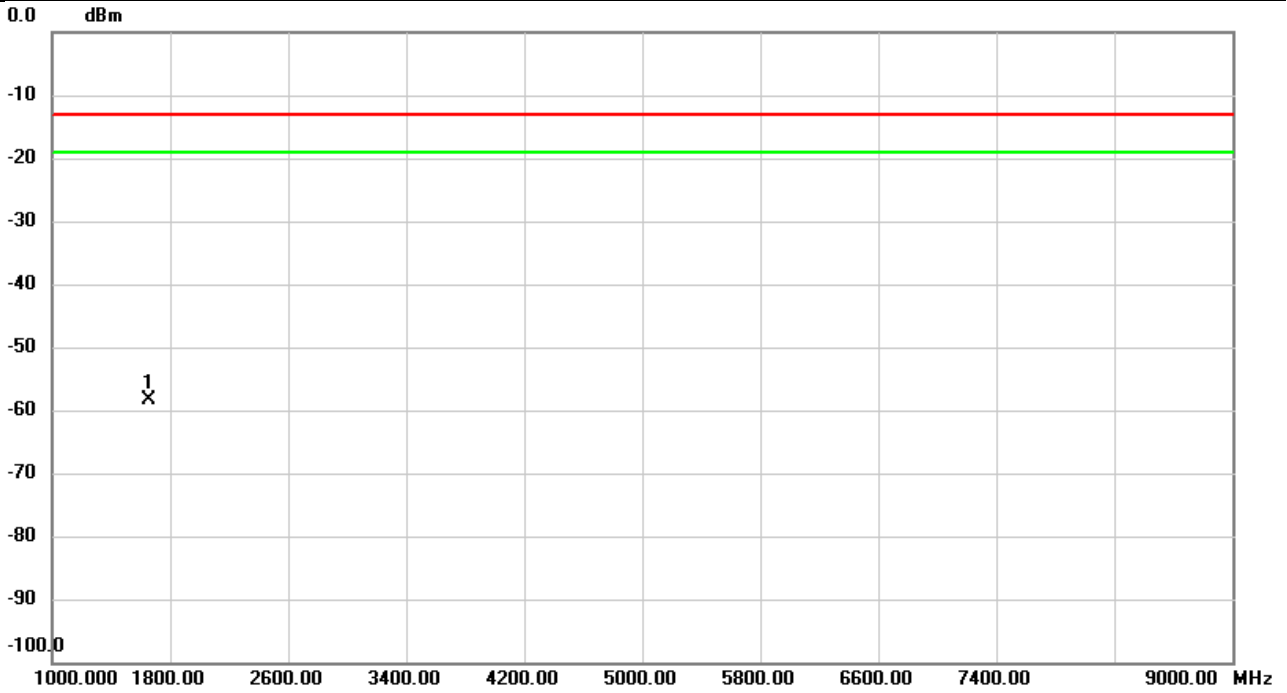
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1658.000	-63.89	5.63	-58.26	-13.00	-45.26	peak	

REMARKS:

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



Test Mode	NR n5	Test Date	2023/12/1
Test Channel	CH167800	Polarization	Horizontal
Temp	21°C	Hum.	57%

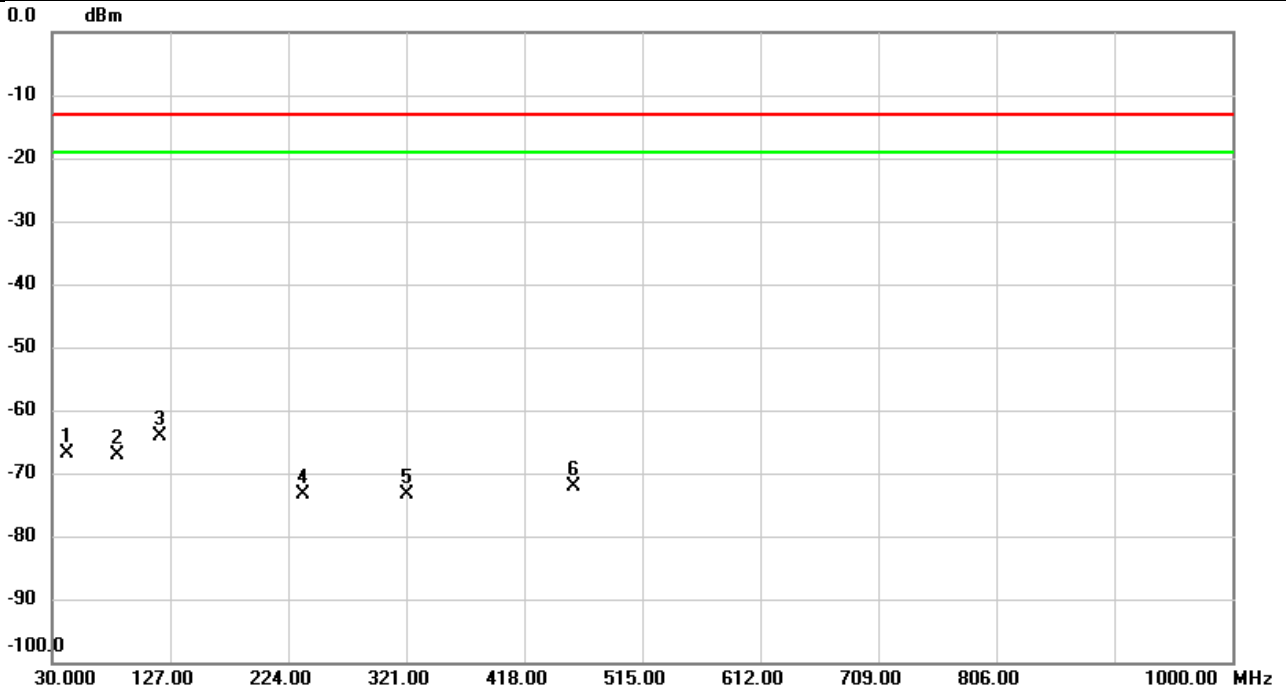


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1658.000	-63.79	5.54	-58.25	-13.00	-45.25	peak	

REMARKS:

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

Test Mode	NR n26	Test Date	2023/12/4
Test Channel	CH167800	Polarization	Vertical
Temp	22°C	Hum.	58%

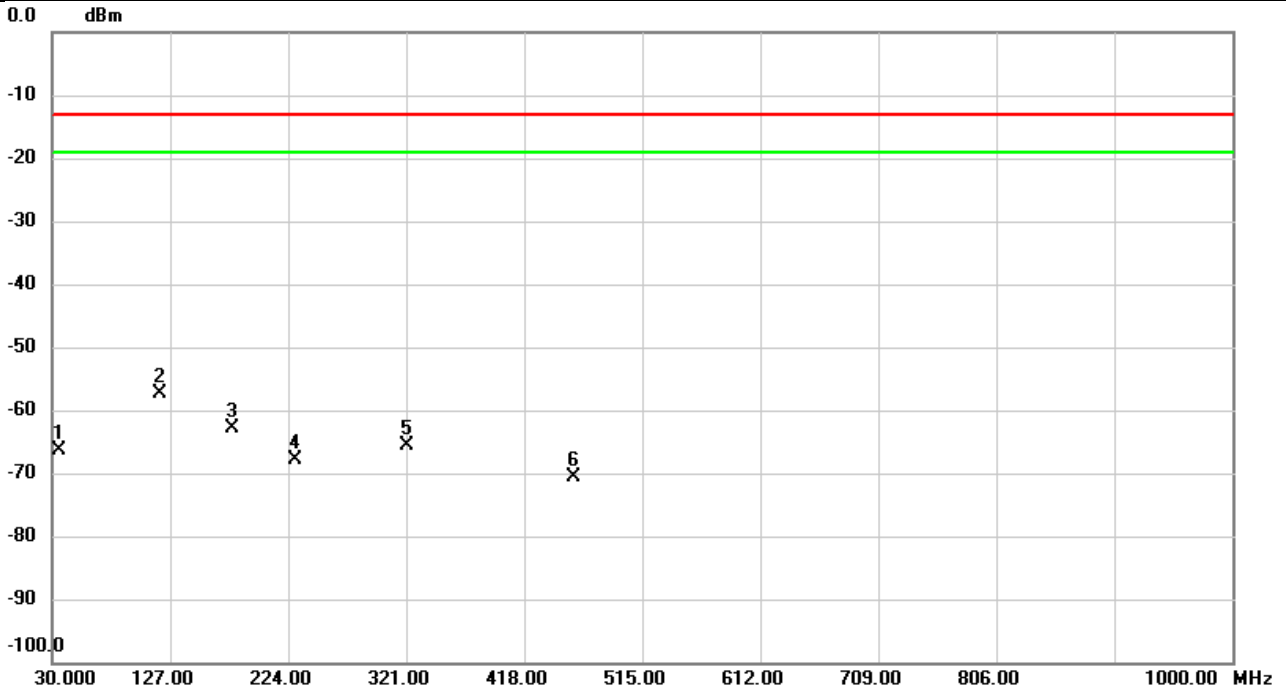


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		42.6747	-64.61	-2.15	-66.76	-13.00	-53.76	peak	
2		83.2207	-65.09	-2.15	-67.24	-13.00	-54.24	peak	
3	*	118.1730	-61.85	-2.15	-64.00	-13.00	-51.00	peak	
4		235.9633	-71.20	-2.15	-73.35	-13.00	-60.35	peak	
5		321.0323	-71.17	-2.15	-73.32	-13.00	-60.32	peak	
6		458.4490	-70.08	-2.15	-72.23	-13.00	-59.23	peak	

**REMARKS:**

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

Test Mode	NR n26	Test Date	2023/12/4
Test Channel	CH167800	Polarization	Horizontal
Temp	22°C	Hum.	58%

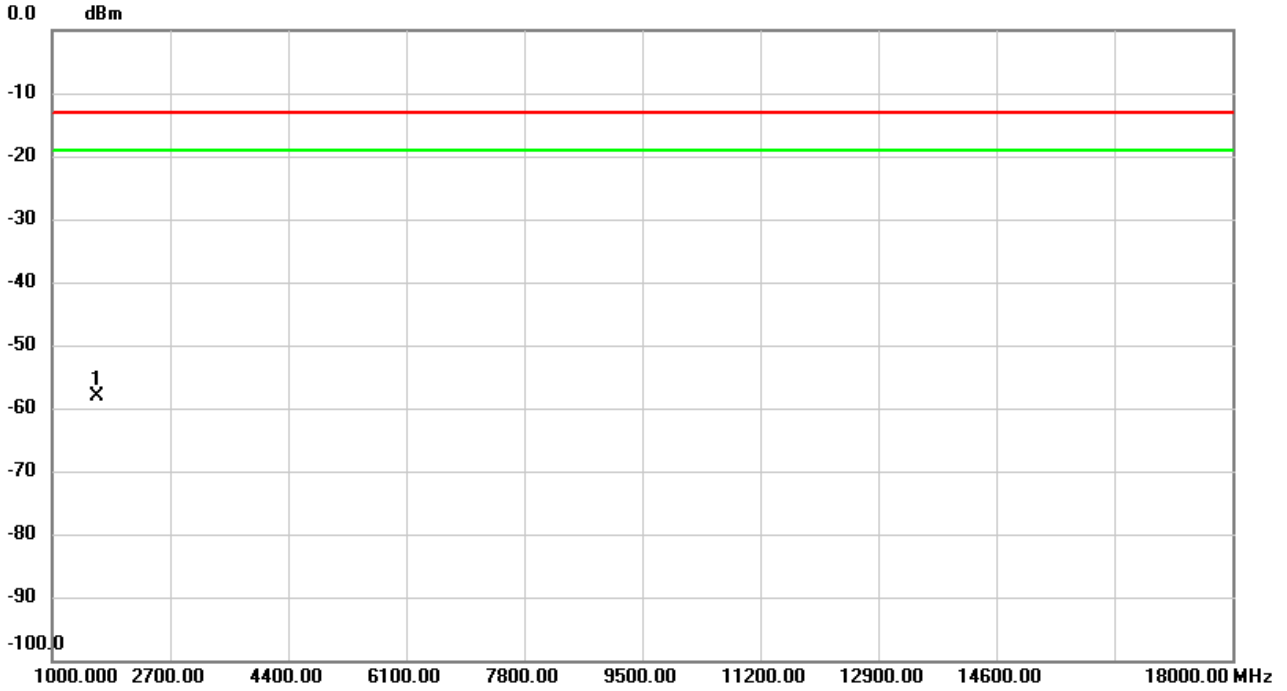


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		35.9493	-64.20	-2.15	-66.35	-13.00	-53.35	peak	
2	*	118.7550	-55.26	-2.15	-57.41	-13.00	-44.41	peak	
3		178.1190	-60.80	-2.15	-62.95	-13.00	-49.95	peak	
4		229.2380	-65.69	-2.15	-67.84	-13.00	-54.84	peak	
5		321.0323	-63.41	-2.15	-65.56	-13.00	-52.56	peak	
6		458.3520	-68.43	-2.15	-70.58	-13.00	-57.58	peak	

**REMARKS:**

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

Test Mode	NR n26	Test Date	2023/12/4
Test Channel	CH166800	Polarization	Vertical
Temp	22°C	Hum.	58%

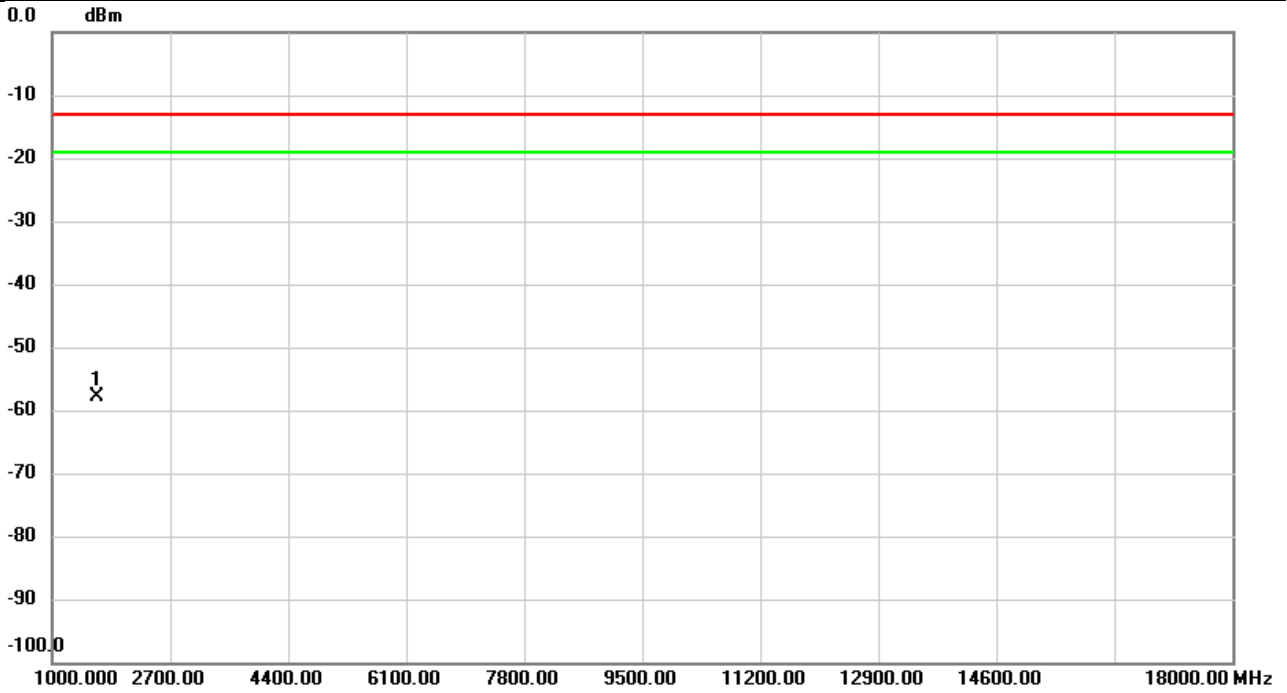


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1648.000	-63.81	5.59	-58.22	-13.00	-45.22	peak	

REMARKS:

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

Test Mode	NR n26	Test Date	2023/12/4
Test Channel	CH166800	Polarization	Horizontal
Temp	22°C	Hum.	58%

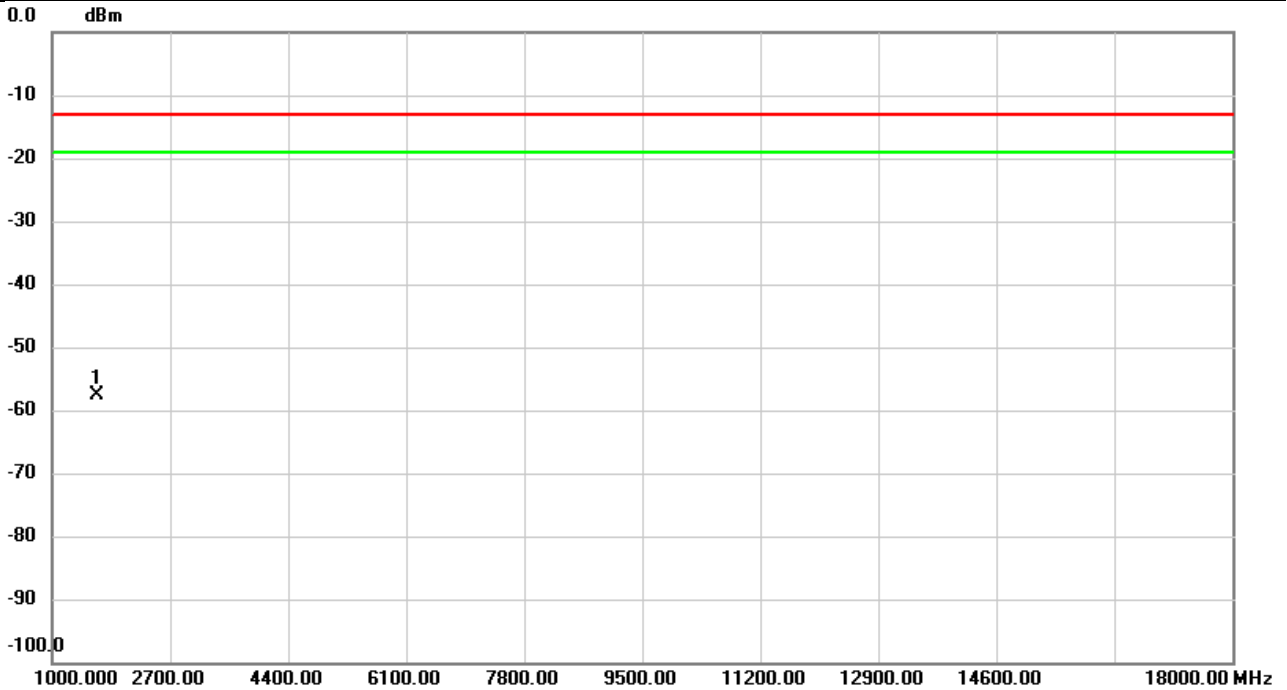


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1648.000	-63.28	5.50	-57.78	-13.00	-44.78	peak	

**REMARKS:**

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

Test Mode	NR n26	Test Date	2023/12/4
Test Channel	CH167300	Polarization	Vertical
Temp	22°C	Hum.	58%

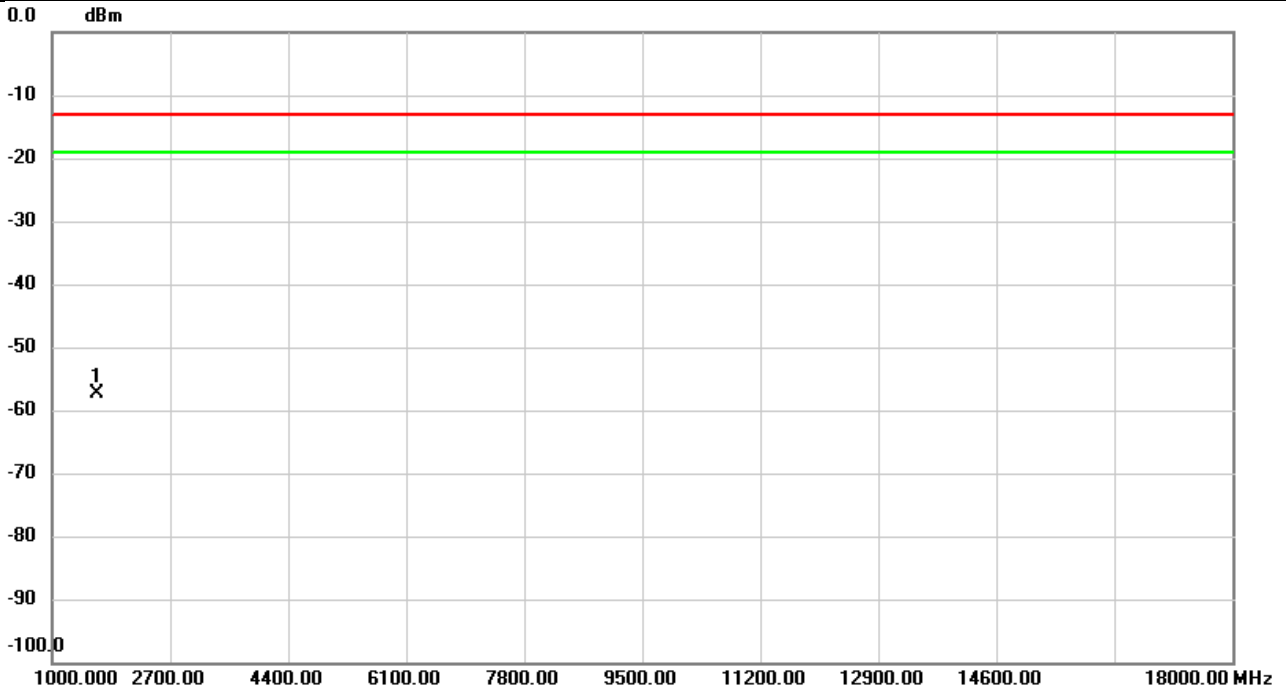


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1653.000	-63.31	5.62	-57.69	-13.00	-44.69	peak	

REMARKS:

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

Test Mode	NR n26	Test Date	2023/12/4
Test Channel	CH167300	Polarization	Horizontal
Temp	22°C	Hum.	58%

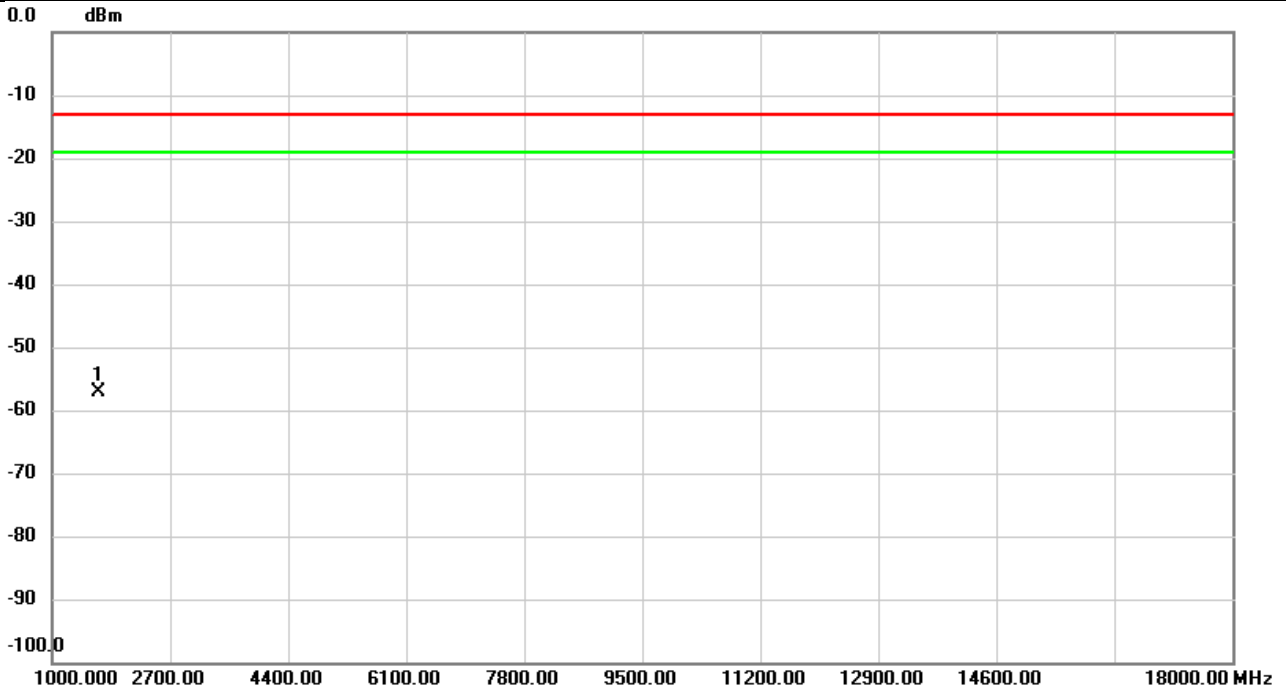


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1653.000	-62.80	5.53	-57.27	-13.00	-44.27	peak	

REMARKS:

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

Test Mode	NR n26	Test Date	2023/12/4
Test Channel	CH167800	Polarization	Vertical
Temp	22°C	Hum.	58%



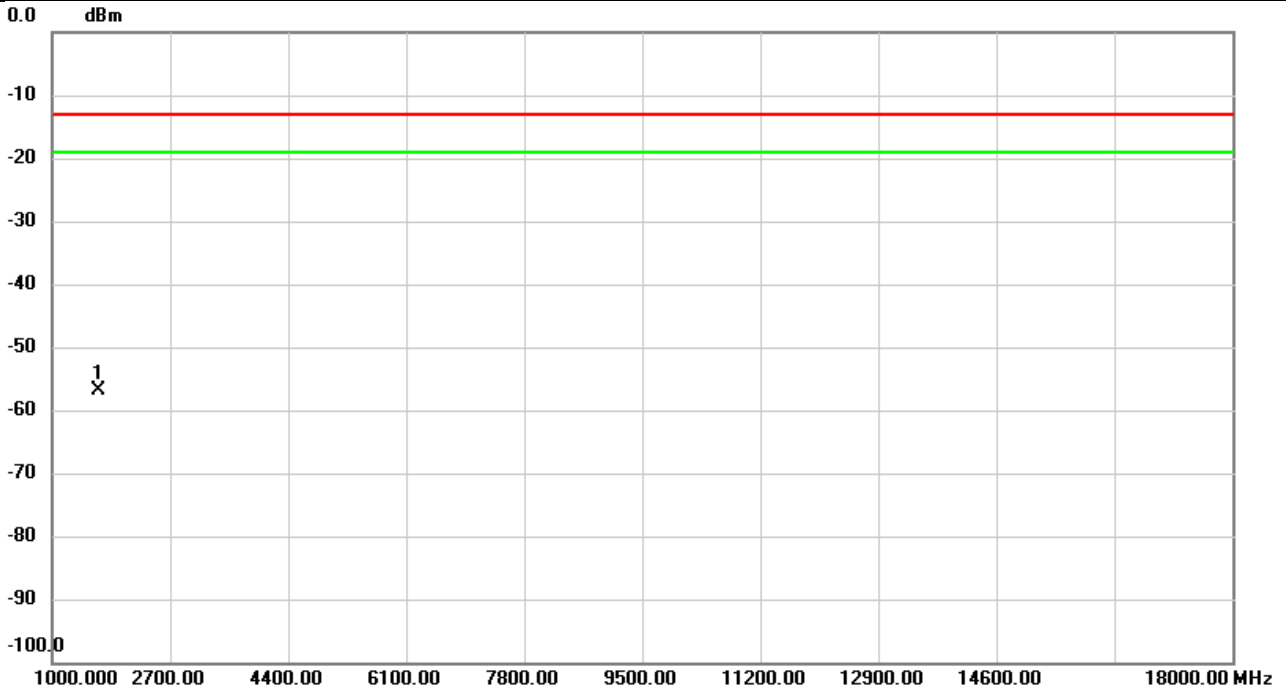
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1658.000	-62.68	5.63	-57.05	-13.00	-44.05	peak	

**REMARKS:**

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



Test Mode	NR n26	Test Date	2023/12/4
Test Channel	CH167800	Polarization	Horizontal
Temp	22°C	Hum.	58%

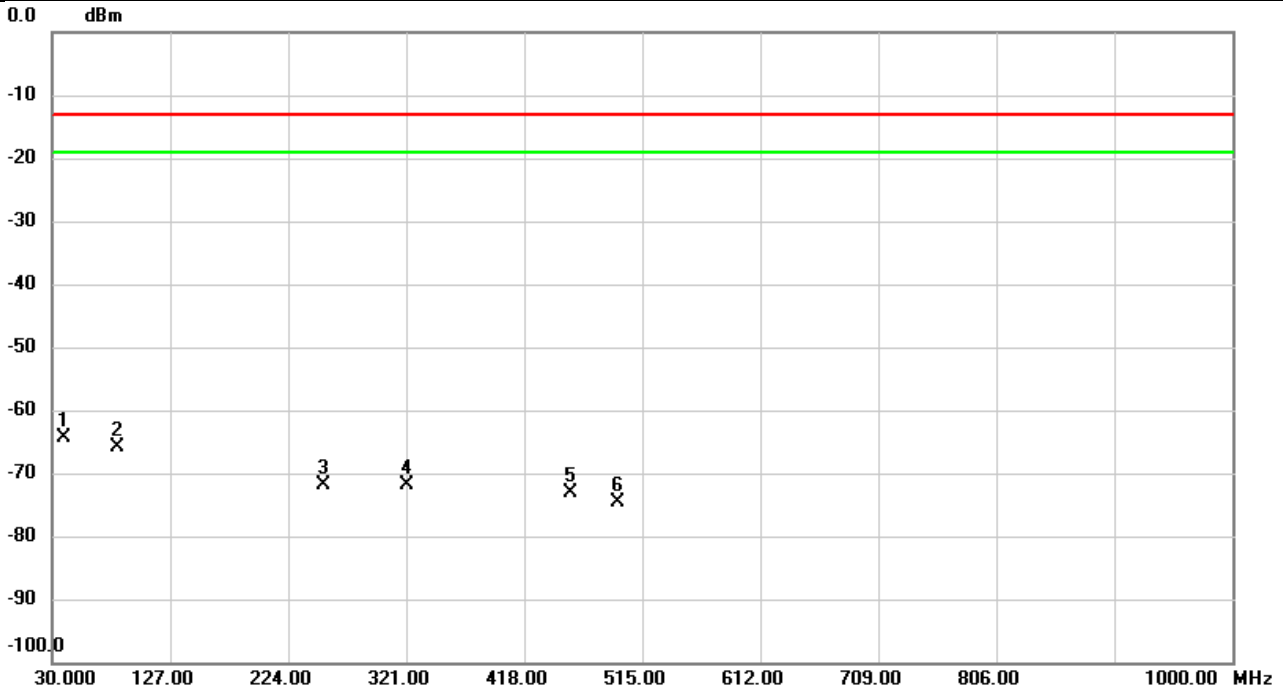


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1658.000	-62.52	5.54	-56.98	-13.00	-43.98	peak	

REMARKS:

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

Test Mode	NSA 2A n5A	Test Date	2023/12/4
Test Channel	CH168800	Polarization	Vertical
Temp	22°C	Hum.	58%

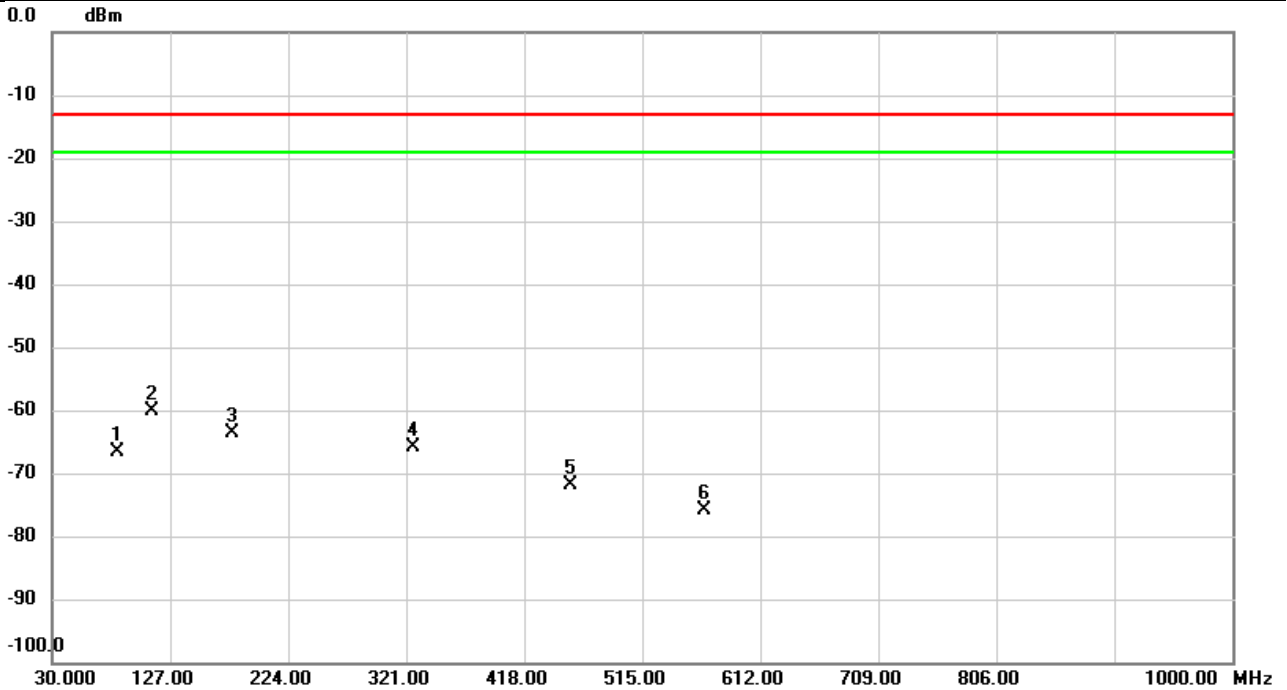


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	39.6030	-62.19	-2.15	-64.34	-13.00	-51.34	peak	
2		83.6733	-63.62	-2.15	-65.77	-13.00	-52.77	peak	
3		252.5827	-69.83	-2.15	-71.98	-13.00	-58.98	peak	
4		321.0323	-69.84	-2.15	-71.99	-13.00	-58.99	peak	
5		456.2503	-70.89	-2.15	-73.04	-13.00	-60.04	peak	
6		494.9857	-72.45	-2.15	-74.60	-13.00	-61.60	peak	

**REMARKS:**

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

Test Mode	NSA 2A n5A	Test Date	2023/12/4
Test Channel	CH168800	Polarization	Horizontal
Temp	22°C	Hum.	58%

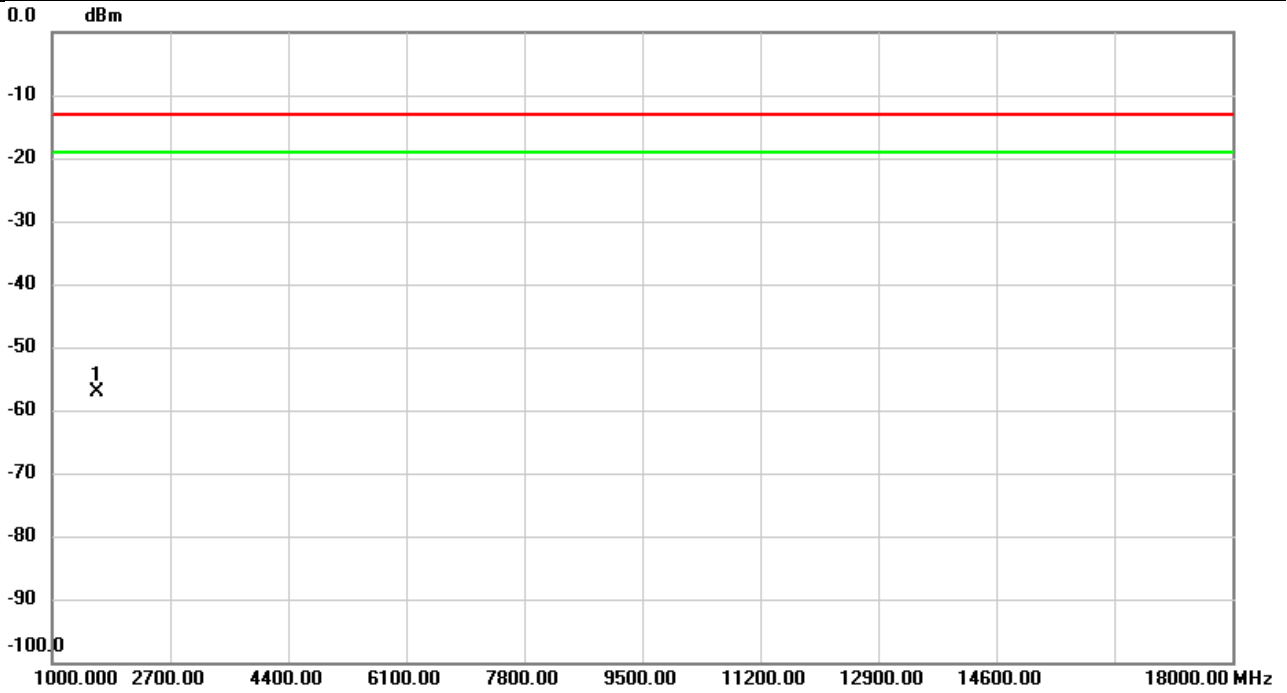


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		83.6733	-64.58	-2.15	-66.73	-13.00	-53.73	peak	
2	*	111.6740	-57.85	-2.15	-60.00	-13.00	-47.00	peak	
3		178.7010	-61.59	-2.15	-63.74	-13.00	-50.74	peak	
4		326.2380	-63.78	-2.15	-65.93	-13.00	-52.93	peak	
5		456.0240	-69.66	-2.15	-71.81	-13.00	-58.81	peak	
6		566.2160	-73.70	-2.15	-75.85	-13.00	-62.85	peak	

**REMARKS:**

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

Test Mode	NSA 2A n5A	Test Date	2023/12/4
Test Channel	CH165800	Polarization	Vertical
Temp	22°C	Hum.	58%

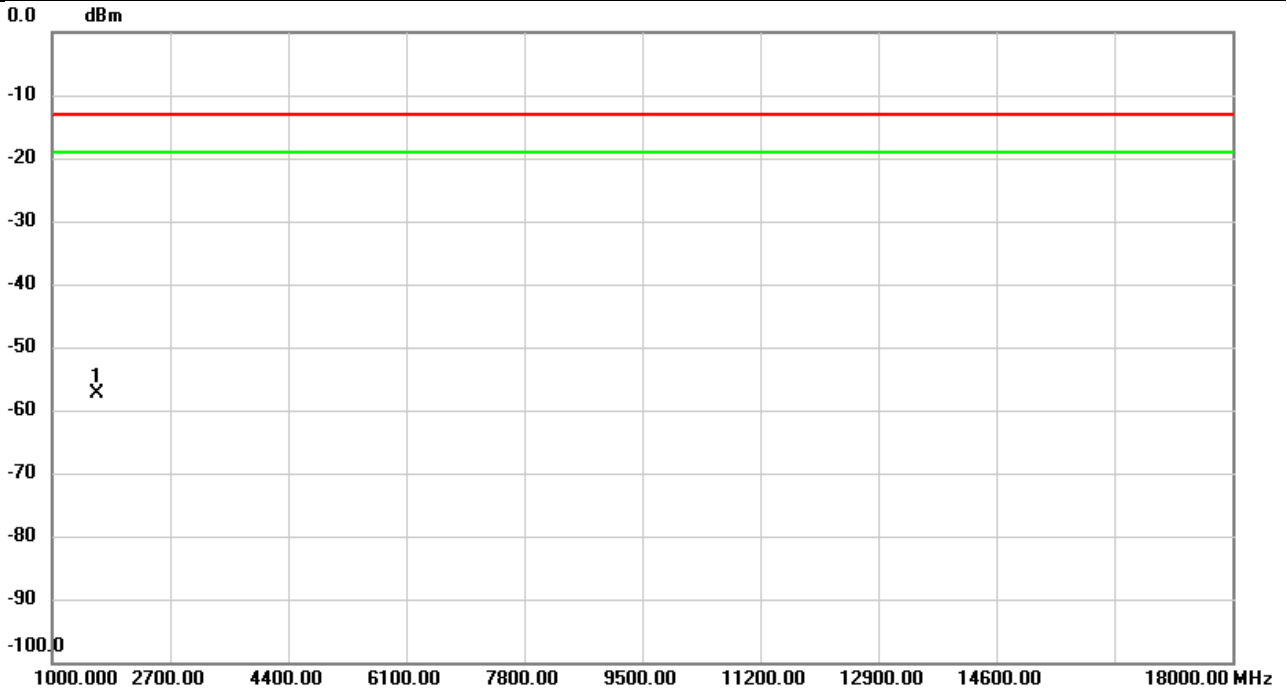


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1638.000	-62.63	5.42	-57.21	-13.00	-44.21	peak	

REMARKS:

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

Test Mode	NSA 2A n5A	Test Date	2023/12/4
Test Channel	CH165800	Polarization	Horizontal
Temp	22°C	Hum.	58%

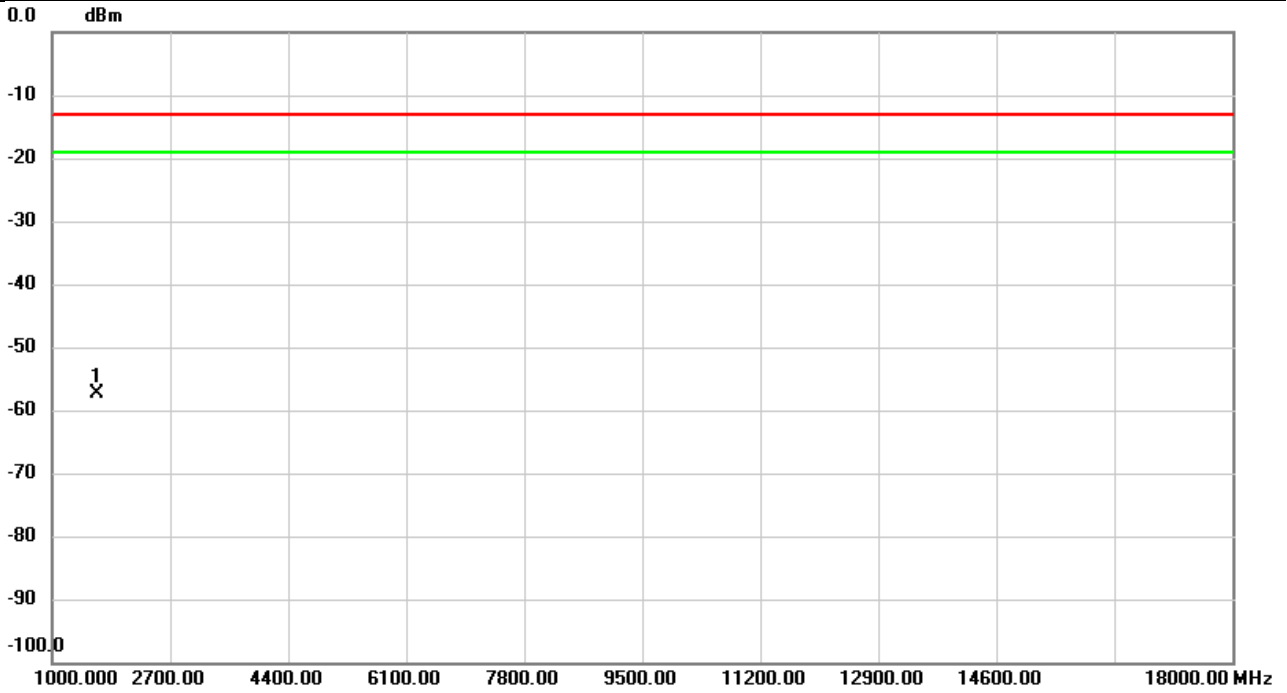


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1638.000	-62.75	5.38	-57.37	-13.00	-44.37	peak	

REMARKS:

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

Test Mode	NSA 2A n5A	Test Date	2023/12/4
Test Channel	CH167300	Polarization	Vertical
Temp	22°C	Hum.	58%

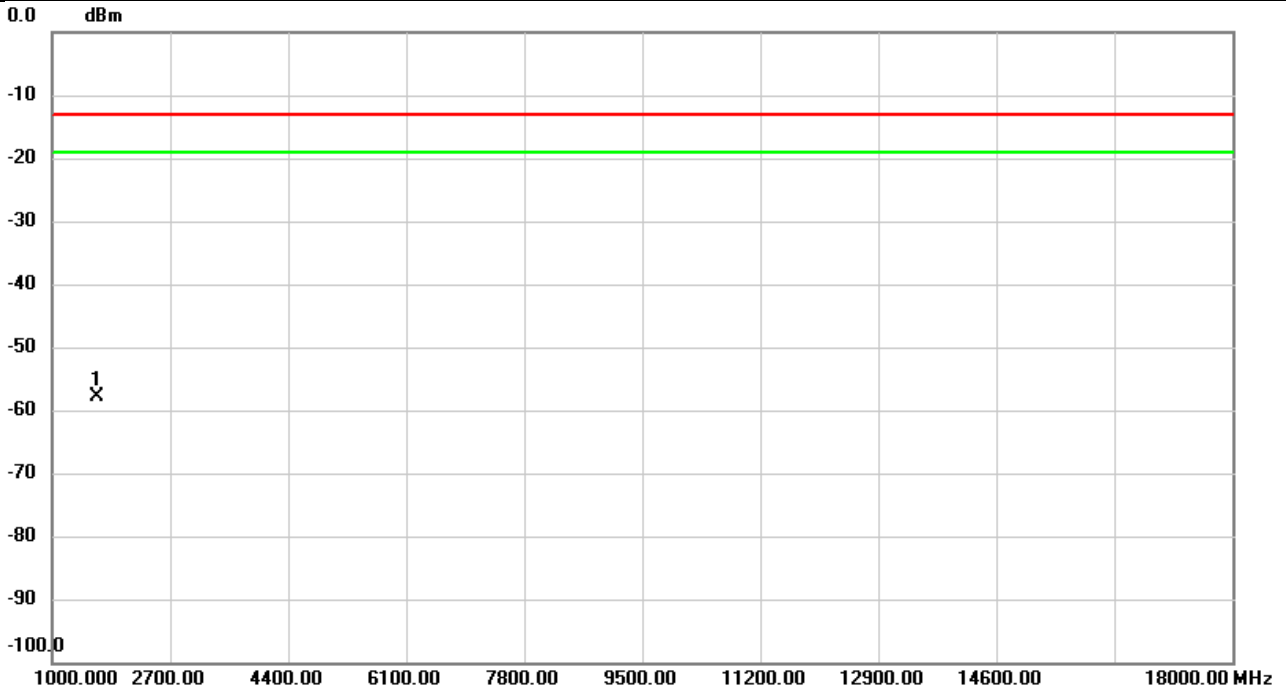


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1653.000	-62.92	5.62	-57.30	-13.00	-44.30	peak	

REMARKS:

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

Test Mode	NSA 2A_n5A	Test Date	2023/12/4
Test Channel	CH167300	Polarization	Horizontal
Temp	22°C	Hum.	58%

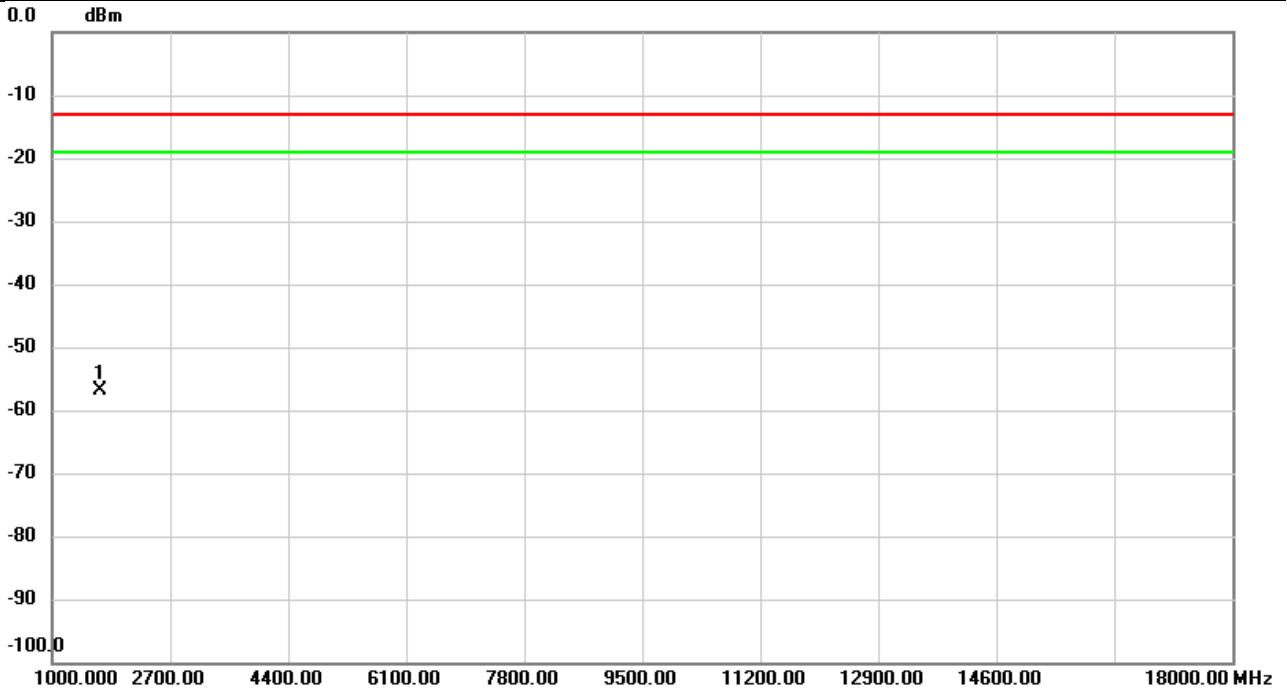


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1653.000	-63.40	5.53	-57.87	-13.00	-44.87	peak	

REMARKS:

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

Test Mode	NSA 2A n5A	Test Date	2023/12/4
Test Channel	CH168800	Polarization	Vertical
Temp	22°C	Hum.	58%



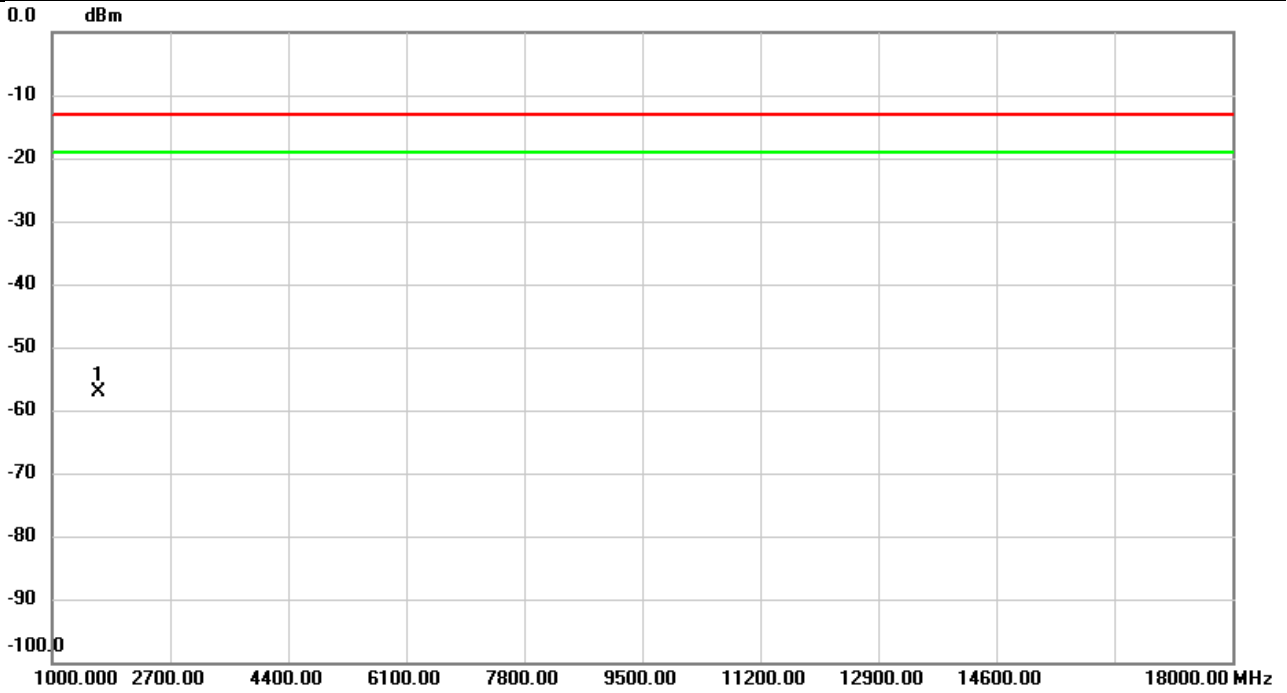
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1688.000	-62.53	5.66	-56.87	-13.00	-43.87	peak	

**REMARKS:**

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



Test Mode	NSA 2A n5A	Test Date	2023/12/4
Test Channel	CH168800	Polarization	Horizontal
Temp	22°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1668.000	-62.68	5.56	-57.12	-13.00	-44.12	peak	

**REMARKS:**

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

**End of Test Report**