

FCC Radio Test Report

FCC ID: XMR2023RM520NGLM

Report No. : BTL-FCCP-7-2311T076
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 : WCDMA Band V & LTE Band 5, 26

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

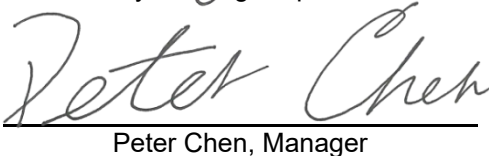
Issued Date : 2024/1/31

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

Prepared by :


Jerry Chuang, Supervisor

Approved by :


Peter Chen, Manager



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 Service mail: 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** 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-7-2311T076	R00	Original Report.	2024/1/31	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: TP00160AL), 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	TP00160AL			
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)	
	WCDMA V	824 ~ 849	869 ~ 894	
	LTE 5	824 ~ 849	869 ~ 894	
	LTE 26	824 ~ 849	869 ~ 894	
Maximum ERP	Band	BW (MHz)	Mode	Power (W)
	WCDMA V	-	-	0.073
	LTE 5	1.4	QPSK	0.086
			16QAM	0.074
			64QAM	0.071
			256QAM	0.033
		3	QPSK	0.087
			16QAM	0.072
			64QAM	0.055
			256QAM	0.089
		5	QPSK	0.089
			16QAM	0.077
			64QAM	0.073
			256QAM	0.034
		10	QPSK	0.090
			16QAM	0.078
			64QAM	0.074
			256QAM	0.057
	LTE 26	1.4	QPSK	0.096
			16QAM	0.084
			64QAM	0.064
			256QAM	0.031
		3	QPSK	0.097
			16QAM	0.065
			64QAM	0.047
			256QAM	0.099

Maximum ERP	LTE 26	5	QPSK	0.099
			16QAM	0.087
			64QAM	0.066
			256QAM	0.032
		10	QPSK	0.100
			16QAM	0.088
			64QAM	0.066
			256QAM	0.048
		15	QPSK	0.102
			16QAM	0.089
			64QAM	0.067
			256QAM	0.033
	LTE CA_5B	3+5	QPSK	0.096
			16QAM	0.098
			64QAM	0.077
			256QAM	0.046
		5+3	QPSK	0.097
			16QAM	0.099
			64QAM	0.077
			256QAM	0.047
		5+10	QPSK	0.100
			16QAM	0.101
			64QAM	0.079
			256QAM	0.047
		10+5	QPSK	0.102
			16QAM	0.101
			64QAM	0.080
			256QAM	0.048
		10+10	QPSK	0.104
			16QAM	0.102
			64QAM	0.104
			256QAM	0.048
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	DC33022F20	PIFA	I-PEX	-1.59	WCDMA Band V
					-1.64	LTE Band 5
Aux	Luxshare-ICT	DC33022F20	PIFA	I-PEX	-	LTE Band 26
						RX only

Antenna	Manufacture	Parts Number	Type	Connector	Gain (dBi)	Note
Main	SPEEDWIRE	DC33022J60	PIFA	I-PEX	-1.59	WCDMA Band V
					-1.64	LTE Band 5
Aux	SPEEDWIRE	DC33022J60	PIFA	I-PEX	-	LTE Band 26
						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

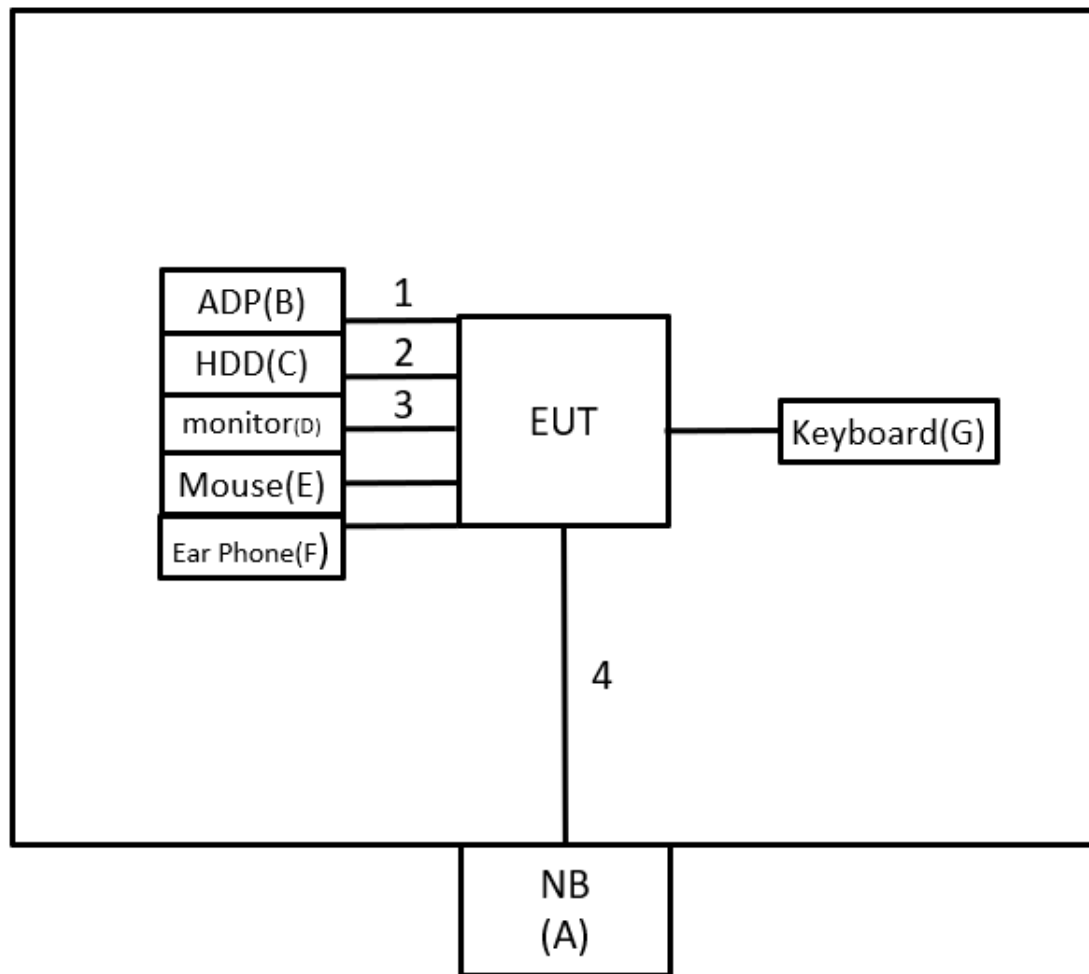
Test Items	Band	Test Mode	Note
Effective Radiated Power	WCDMA Band V	Refer to APPENDIX A	-
	LTE Band 5		
	LTE CA_5B		
	LTE Band 26		
Radiated Spurious Emissions (Below 1G)	WCDMA Band V	TX Mode (CH 4182)	-
	LTE Band 5	TX Mode (CH 20600)	-
	LTE Band 26	TX Mode (CH 26865)	-
	LTE Band CA_5B	TX Low CH_10MHz+10MHz	-
Radiated Spurious Emissions (Above 1G)	WCDMA Band V	TX Mode (CH 4132/4183/4233)	-
	LTE Band 5	TX Mode (CH 20450/20525/20600)	-
	LTE Band 26	TX Mode (CH 26865/26915/26965)	-
	LTE Band CA_5B	TX Low/middle/High CH_10MHz+10MHz	-

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 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-I119	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.

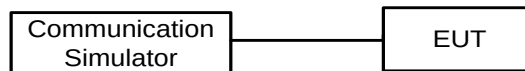
- Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- 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
- $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}.$
- ERP can be calculated form EIRP by subtracting the gain of dipole, $ERP = EIPR - 2.15\text{dBi}.$
- 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

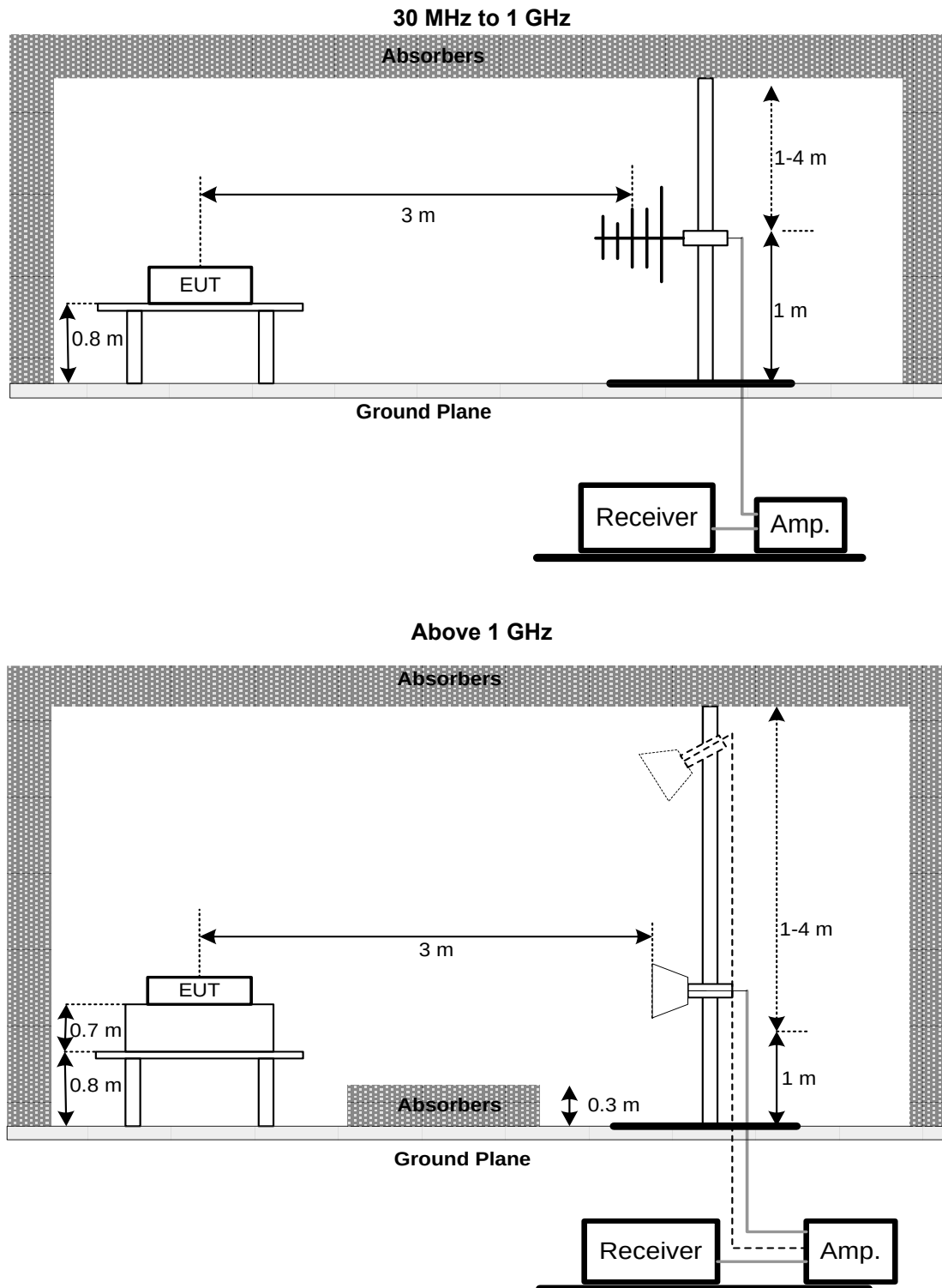
The testing follows FCC KDB 971168 v03r01 Section 6.2.

- 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.
- 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
- $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}.$
- ERP can be calculated form EIRP by subtracting the gain of dipole, $ERP = EIPR - 2.15\text{dBi}.$
- 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 EMC (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

WCDMA Band V Power:

Band	Mode	UL/DL Channel No.	Frequency(MHz)	Average power(dBm)	ERP Power (dBm)	ERP Power (W)
WCDMA Band V	Rel 99	4132/4357	826.4	22.09	18.35	0.068
		4183/4408	836.6	22.33	18.59	0.072
		4233/4458	846.6	22.38	18.64	0.073

Band	Sub-test	UL/DL Channel No.	Frequency(MHz)	Average power(dBm)	ERP Power (dBm)	ERP Power (W)
HSDPA V	1	4132/4357	826.4	21.88	18.14	0.065
		4183/4408	836.6	22.12	18.38	0.069
		4233/4458	846.6	22.17	18.43	0.070
	2	4132/4357	826.4	21.38	17.64	0.058
		4183/4408	836.6	21.62	17.88	0.061
		4233/4458	846.6	21.67	17.93	0.062
	3	4132/4357	826.4	20.88	17.14	0.052
		4183/4408	836.6	21.12	17.38	0.055
		4233/4458	846.6	21.17	17.43	0.055
	4	4132/4357	826.4	20.88	17.14	0.052
		4183/4408	836.6	21.12	17.38	0.055
		4233/4458	846.6	21.17	17.43	0.055

Band	Sub-test	UL/DL Channel No.	Frequency(MHz)	Average power(dBm)	ERP Power (dBm)	ERP Power (W)
HSUPA V	1	4132/4357	826.4	22.00	18.26	0.067
		4183/4408	836.6	22.26	18.52	0.071
		4233/4458	846.6	22.36	18.62	0.073
	2	4132/4357	826.4	20.00	16.26	0.042
		4183/4408	836.6	20.26	16.52	0.045
		4233/4458	846.6	20.36	16.62	0.046
	3	4132/4357	826.4	21.00	17.26	0.053
		4183/4408	836.6	21.26	17.52	0.056
		4233/4458	846.6	21.36	17.62	0.058
	4	4132/4357	826.4	20.00	16.26	0.042
		4183/4408	836.6	20.26	16.52	0.045
		4233/4458	846.6	20.36	16.62	0.046
	5	4132/4357	826.4	22.00	18.26	0.067
		4183/4408	836.6	22.26	18.52	0.071
		4233/4458	846.6	22.36	18.62	0.073

LTE Band 5 Power:

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
5	1.4	20407	824.7	QPSK	1	0	0	23.09	19.35	0.086
					1	2	0	23.02	19.28	0.085
					1	5	0	22.99	19.25	0.084
					6	0	1	22.06	18.32	0.068
				16QAM	1	0	1	22.45	18.71	0.074
					1	2	1	22.26	18.52	0.071
					1	5	1	22.37	18.63	0.073
					6	0	2	21.11	17.37	0.055
				64QAM	1	0	2	22.27	18.53	0.071
					1	2	2	22.23	18.49	0.071
					1	5	2	22.08	18.34	0.068
					6	0	3	21.06	17.32	0.054
				256QAM	1	0	4	18.88	15.14	0.033
					1	2	4	18.74	15.00	0.032
					1	5	4	18.60	14.86	0.031
					6	0	5	18.63	14.89	0.031
		20525	836.5	QPSK	1	0	0	23.01	19.27	0.085
					1	2	0	23.06	19.32	0.086
					1	5	0	23.03	19.29	0.085
					6	0	1	22.03	18.29	0.067
				16QAM	1	0	1	22.32	18.58	0.072
					1	2	1	22.43	18.69	0.074
					1	5	1	22.33	18.59	0.072
					6	0	2	21.10	17.36	0.054
				64QAM	1	0	2	22.13	18.39	0.069
					1	2	2	22.20	18.46	0.070
					1	5	2	22.16	18.42	0.070
					6	0	3	21.10	17.36	0.054
				256QAM	1	0	4	18.81	15.07	0.032
					1	2	4	18.80	15.06	0.032
					1	5	4	18.71	14.97	0.031
					6	0	5	18.75	15.01	0.032
		20643	848.3	QPSK	1	0	0	23.09	19.35	0.086
					1	2	0	22.98	19.24	0.084
					1	5	0	23.03	19.29	0.085
					6	0	1	22.07	18.33	0.068
				16QAM	1	0	1	22.31	18.57	0.072
					1	2	1	22.33	18.59	0.072
					1	5	1	22.39	18.65	0.073
					6	0	2	21.12	17.38	0.055
				64QAM	1	0	2	22.11	18.37	0.069
					1	2	2	22.14	18.40	0.069
					1	5	2	22.10	18.36	0.069
					6	0	3	21.06	17.32	0.054
				256QAM	1	0	4	18.79	15.05	0.032
					1	2	4	18.94	15.20	0.033
					1	5	4	18.87	15.13	0.033
					6	0	5	18.71	14.97	0.031

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)
5	3	20415	825.5	QPSK	1	0	0	23.16	19.42	0.087
					1	8	0	23.09	19.35	0.086
					1	14	0	23.06	19.32	0.086
					15	0	1	22.13	18.39	0.069
				16QAM	1	0	1	22.53	18.79	0.076
					1	8	1	22.33	18.59	0.072
					1	14	1	22.42	18.68	0.074
					15	0	2	21.15	17.41	0.055
				64QAM	1	0	2	22.34	18.60	0.072
					1	8	2	22.30	18.56	0.072
					1	14	2	22.12	18.38	0.069
					15	0	3	21.11	17.37	0.055
				256QAM	1	0	4	18.93	15.19	0.033
					1	8	4	18.80	15.06	0.032
					1	14	4	18.65	14.91	0.031
					15	0	5	18.70	14.96	0.031
		20525	836.5	QPSK	1	0	0	23.05	19.31	0.085
					1	8	0	23.12	19.38	0.087
					1	14	0	23.07	19.33	0.086
					15	0	1	22.11	18.37	0.069
				16QAM	1	0	1	22.38	18.64	0.073
					1	8	1	22.49	18.75	0.075
					1	14	1	22.40	18.66	0.073
					15	0	2	21.17	17.43	0.055
				64QAM	1	0	2	22.18	18.44	0.070
					1	8	2	22.27	18.53	0.071
					1	14	2	22.24	18.50	0.071
					15	0	3	21.16	17.42	0.055
				256QAM	1	0	4	18.85	15.11	0.032
					1	8	4	18.85	15.11	0.032
					1	14	4	18.75	15.01	0.032
					15	0	5	18.82	15.08	0.032
		20635	847.5	QPSK	1	0	0	23.14	19.40	0.087
					1	8	0	23.05	19.31	0.085
					1	14	0	23.09	19.35	0.086
					15	0	1	22.13	18.39	0.069
				16QAM	1	0	1	22.38	18.64	0.073
					1	8	1	22.39	18.65	0.073
					1	14	1	22.44	18.70	0.074
					15	0	2	21.17	17.43	0.055
				64QAM	1	0	2	22.19	18.45	0.070
					1	8	2	22.21	18.47	0.070
					1	14	2	22.17	18.43	0.070
					15	0	3	21.13	17.39	0.055
				256QAM	1	0	4	18.85	15.11	0.032
					1	8	4	19.00	15.26	0.034
					1	14	4	18.95	15.21	0.033
					15	0	5	18.76	15.02	0.032

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)
5	5	20425	826.5	QPSK	1	0	0	23.24	19.50	0.089
					1	12	0	23.16	19.42	0.087
					1	24	0	23.13	19.39	0.087
					25	0	1	22.17	18.43	0.070
				16QAM	1	0	1	22.58	18.84	0.077
					1	12	1	22.41	18.67	0.074
					1	24	1	22.50	18.76	0.075
					25	0	2	21.20	17.46	0.056
				64QAM	1	0	2	22.38	18.64	0.073
					1	12	2	22.36	18.62	0.073
					1	24	2	22.19	18.45	0.070
					25	0	3	21.18	17.44	0.055
				256QAM	1	0	4	19.00	15.26	0.034
					1	12	4	18.86	15.12	0.033
					1	24	4	18.71	14.97	0.031
					25	0	5	18.76	15.02	0.032
		20525	836.5	QPSK	1	0	0	23.12	19.38	0.087
					1	12	0	23.20	19.46	0.088
					1	24	0	23.13	19.39	0.087
					25	0	1	22.19	18.45	0.070
				16QAM	1	0	1	22.44	18.70	0.074
					1	12	1	22.54	18.80	0.076
					1	24	1	22.46	18.72	0.074
					25	0	2	21.24	17.50	0.056
				64QAM	1	0	2	22.26	18.52	0.071
					1	12	2	22.34	18.60	0.072
					1	24	2	22.30	18.56	0.072
					25	0	3	21.21	17.47	0.056
				256QAM	1	0	4	18.89	15.15	0.033
					1	12	4	18.92	15.18	0.033
					1	24	4	18.82	15.08	0.032
					25	0	5	18.88	15.14	0.033
		20625	846.5	QPSK	1	0	0	23.20	19.46	0.088
					1	12	0	23.13	19.39	0.087
					1	24	0	23.13	19.39	0.087
					25	0	1	22.18	18.44	0.070
				16QAM	1	0	1	22.46	18.72	0.074
					1	12	1	22.46	18.72	0.074
					1	24	1	22.49	18.75	0.075
					25	0	2	21.21	17.47	0.056
				64QAM	1	0	2	22.27	18.53	0.071
					1	12	2	22.29	18.55	0.072
					1	24	2	22.24	18.50	0.071
					25	0	3	21.18	17.44	0.055
				256QAM	1	0	4	18.92	15.18	0.033
					1	12	4	19.06	15.32	0.034
					1	24	4	19.00	15.26	0.034
					25	0	5	18.83	15.09	0.032

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
5	10	20450	829.0	QPSK	1	0	0	23.28	19.54	0.090
					1	24	0	23.21	19.47	0.089
					1	49	0	23.17	19.43	0.088
					50	0	1	22.24	18.50	0.071
				16QAM	1	0	1	22.65	18.91	0.078
					1	24	1	22.46	18.72	0.074
					1	49	1	22.56	18.82	0.076
					50	0	2	21.27	17.53	0.057
				64QAM	1	0	2	22.43	18.69	0.074
					1	24	2	22.41	18.67	0.074
					1	49	2	22.27	18.53	0.071
					50	0	3	21.23	17.49	0.056
				256QAM	1	0	4	19.04	15.30	0.034
					1	24	4	18.92	15.18	0.033
					1	49	4	18.78	15.04	0.032
					50	0	5	18.83	15.09	0.032
		20525	836.5	QPSK	1	0	0	23.17	19.43	0.088
					1	24	0	23.27	19.53	0.090
					1	49	0	23.18	19.44	0.088
					50	0	1	22.26	18.52	0.071
				16QAM	1	0	1	22.51	18.77	0.075
					1	24	1	22.59	18.85	0.077
					1	49	1	22.53	18.79	0.076
					50	0	2	21.29	17.55	0.057
				64QAM	1	0	2	22.32	18.58	0.072
					1	24	2	22.40	18.66	0.073
					1	49	2	22.37	18.63	0.073
					50	0	3	21.28	17.54	0.057
				256QAM	1	0	4	18.95	15.21	0.033
					1	24	4	18.96	15.22	0.033
					1	49	4	18.88	15.14	0.033
					50	0	5	18.92	15.18	0.033
		20600	844.0	QPSK	1	0	0	23.26	19.52	0.090
					1	24	0	23.20	19.46	0.088
					1	49	0	23.17	19.43	0.088
					50	0	1	22.26	18.52	0.071
				16QAM	1	0	1	22.51	18.77	0.075
					1	24	1	22.50	18.76	0.075
					1	49	1	22.54	18.80	0.076
					50	0	2	21.25	17.51	0.056
				64QAM	1	0	2	22.34	18.60	0.072
					1	24	2	22.35	18.61	0.073
					1	49	2	22.31	18.57	0.072
					50	0	3	21.24	17.50	0.056
				256QAM	1	0	4	18.96	15.22	0.033
					1	24	4	19.11	15.37	0.034
					1	49	4	19.05	15.31	0.034
					50	0	5	18.87	15.13	0.033

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

LTE Band 26 Power:

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
26	1.4	26797	824.7	QPSK	1	0	0	23.61	19.82	0.096
					1	2	0	23.33	19.54	0.090
					1	5	0	23.50	19.71	0.094
					6	0	1	22.38	18.59	0.072
				16QAM	1	0	1	22.80	19.01	0.080
					1	2	1	22.71	18.92	0.078
					1	5	1	22.66	18.87	0.077
					6	0	2	21.53	17.74	0.059
				64QAM	1	0	2	21.85	18.06	0.064
					1	2	2	21.59	17.80	0.060
					1	5	2	21.48	17.69	0.059
					6	0	3	20.46	16.67	0.046
				256QAM	1	0	4	18.62	14.83	0.030
					1	2	4	18.52	14.73	0.030
					1	5	4	18.49	14.70	0.030
					6	0	5	18.45	14.66	0.029
		26915	836.5	QPSK	1	0	0	23.32	19.53	0.090
					1	2	0	23.17	19.38	0.087
					1	5	0	23.46	19.67	0.093
					6	0	1	22.33	18.54	0.071
				16QAM	1	0	1	22.40	18.61	0.073
					1	2	1	22.84	19.05	0.080
					1	5	1	22.62	18.83	0.076
					6	0	2	21.46	17.67	0.058
				64QAM	1	0	2	21.60	17.81	0.060
					1	2	2	21.59	17.80	0.060
					1	5	2	21.49	17.70	0.059
					6	0	3	20.43	16.64	0.046
				256QAM	1	0	4	18.65	14.86	0.031
					1	2	4	18.46	14.67	0.029
					1	5	4	18.32	14.53	0.028
					6	0	5	18.48	14.69	0.029
		27033	848.3	QPSK	1	0	0	23.38	19.59	0.091
					1	2	0	23.40	19.61	0.091
					1	5	0	23.24	19.45	0.088
					6	0	1	22.44	18.65	0.073
				16QAM	1	0	1	23.02	19.23	0.084
					1	2	1	22.84	19.05	0.080
					1	5	1	22.88	19.09	0.081
					6	0	2	21.52	17.73	0.059
				64QAM	1	0	2	21.70	17.91	0.062
					1	2	2	21.65	17.86	0.061
					1	5	2	21.44	17.65	0.058
					6	0	3	20.48	16.69	0.047
				256QAM	1	0	4	18.63	14.84	0.030
					1	2	4	18.71	14.92	0.031
					1	5	4	18.34	14.55	0.029
					6	0	5	18.46	14.67	0.029

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)
26	3	26805	825.5	QPSK	1	0	0	23.68	19.89	0.097
					1	8	0	23.40	19.61	0.091
					1	14	0	23.57	19.78	0.095
					15	0	1	22.45	18.66	0.073
				16QAM	1	0	1	22.88	19.09	0.081
					1	8	1	22.78	18.99	0.079
					1	14	1	22.71	18.92	0.078
					15	0	2	21.57	17.78	0.060
				64QAM	1	0	2	21.92	18.13	0.065
					1	8	2	21.66	17.87	0.061
					1	14	2	21.52	17.73	0.059
					15	0	3	20.51	16.72	0.047
				256QAM	1	0	4	18.67	14.88	0.031
					1	8	4	18.58	14.79	0.030
					1	14	4	18.54	14.75	0.030
					15	0	5	18.52	14.73	0.030
		26915	836.5	QPSK	1	0	0	23.36	19.57	0.091
					1	8	0	23.23	19.44	0.088
					1	14	0	23.50	19.71	0.094
					15	0	1	22.41	18.62	0.073
				16QAM	1	0	1	22.46	18.67	0.074
					1	8	1	22.90	19.11	0.081
					1	14	1	22.69	18.90	0.078
					15	0	2	21.53	17.74	0.059
				64QAM	1	0	2	21.65	17.86	0.061
					1	8	2	21.66	17.87	0.061
					1	14	2	21.57	17.78	0.060
					15	0	3	20.49	16.70	0.047
				256QAM	1	0	4	18.69	14.90	0.031
					1	8	4	18.51	14.72	0.030
					1	14	4	18.36	14.57	0.029
					15	0	5	18.55	14.76	0.030
		27025	847.5	QPSK	1	0	0	23.43	19.64	0.092
					1	8	0	23.47	19.68	0.093
					1	14	0	23.30	19.51	0.089
					15	0	1	22.50	18.71	0.074
				16QAM	1	0	1	23.09	19.30	0.085
					1	8	1	22.90	19.11	0.081
					1	14	1	22.93	19.14	0.082
					15	0	2	21.57	17.78	0.060
				64QAM	1	0	2	21.78	17.99	0.063
					1	8	2	21.72	17.93	0.062
					1	14	2	21.51	17.72	0.059
					15	0	3	20.55	16.76	0.047
				256QAM	1	0	4	18.69	14.90	0.031
					1	8	4	18.77	14.98	0.031
					1	14	4	18.42	14.63	0.029
					15	0	5	18.51	14.72	0.030

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)
26	5	26815	826.5	QPSK	1	0	0	23.76	19.97	0.099
					1	12	0	23.47	19.68	0.093
					1	24	0	23.64	19.85	0.097
					25	0	1	22.49	18.70	0.074
				16QAM	1	0	1	22.93	19.14	0.082
					1	12	1	22.86	19.07	0.081
					1	24	1	22.79	19.00	0.079
					25	0	2	21.62	17.83	0.061
				64QAM	1	0	2	21.96	18.17	0.066
					1	12	2	21.72	17.93	0.062
					1	24	2	21.59	17.80	0.060
					25	0	3	20.58	16.79	0.048
				256QAM	1	0	4	18.74	14.95	0.031
					1	12	4	18.64	14.85	0.031
					1	24	4	18.60	14.81	0.030
					25	0	5	18.58	14.79	0.030
		26915	836.5	QPSK	1	0	0	23.43	19.64	0.092
					1	12	0	23.31	19.52	0.090
					1	24	0	23.56	19.77	0.095
					25	0	1	22.49	18.70	0.074
				16QAM	1	0	1	22.52	18.73	0.075
					1	12	1	22.95	19.16	0.082
					1	24	1	22.75	18.96	0.079
					25	0	2	21.60	17.81	0.060
				64QAM	1	0	2	21.73	17.94	0.062
					1	12	2	21.73	17.94	0.062
					1	24	2	21.63	17.84	0.061
					25	0	3	20.54	16.75	0.047
				256QAM	1	0	4	18.73	14.94	0.031
					1	12	4	18.58	14.79	0.030
					1	24	4	18.43	14.64	0.029
					25	0	5	18.61	14.82	0.030
		27015	846.5	QPSK	1	0	0	23.49	19.70	0.093
					1	12	0	23.55	19.76	0.095
					1	24	0	23.34	19.55	0.090
					25	0	1	22.55	18.76	0.075
				16QAM	1	0	1	23.17	19.38	0.087
					1	12	1	22.97	19.18	0.083
					1	24	1	22.98	19.19	0.083
					25	0	2	21.61	17.82	0.061
				64QAM	1	0	2	21.86	18.07	0.064
					1	12	2	21.80	18.01	0.063
					1	24	2	21.58	17.79	0.060
					25	0	3	20.60	16.81	0.048
				256QAM	1	0	4	18.76	14.97	0.031
					1	12	4	18.83	15.04	0.032
					1	24	4	18.47	14.68	0.029
					25	0	5	18.58	14.79	0.030

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
26	10	26840	829.0	QPSK	1	0	0	23.80	20.01	0.100
					1	24	0	23.52	19.73	0.094
					1	49	0	23.68	19.89	0.097
					50	0	1	22.56	18.77	0.075
				16QAM	1	0	1	23.00	19.21	0.083
					1	24	1	22.91	19.12	0.082
					1	49	1	22.85	19.06	0.081
					50	0	2	21.69	17.90	0.062
				64QAM	1	0	2	22.01	18.22	0.066
					1	24	2	21.77	17.98	0.063
					1	49	2	21.67	17.88	0.061
					50	0	3	20.63	16.84	0.048
				256QAM	1	0	4	18.78	14.99	0.032
					1	24	4	18.70	14.91	0.031
					1	49	4	18.67	14.88	0.031
					50	0	5	18.65	14.86	0.031
		26915	836.5	QPSK	1	0	0	23.48	19.69	0.093
					1	24	0	23.38	19.59	0.091
					1	49	0	23.61	19.82	0.096
					50	0	1	22.56	18.77	0.075
				16QAM	1	0	1	22.59	18.80	0.076
					1	24	1	23.00	19.21	0.083
					1	49	1	22.82	19.03	0.080
					50	0	2	21.65	17.86	0.061
				64QAM	1	0	2	21.79	18.00	0.063
					1	24	2	21.79	18.00	0.063
					1	49	2	21.70	17.91	0.062
					50	0	3	20.61	16.82	0.048
				256QAM	1	0	4	18.79	15.00	0.032
					1	24	4	18.62	14.83	0.030
					1	49	4	18.49	14.70	0.030
					50	0	5	18.65	14.86	0.031
		26990	844.0	QPSK	1	0	0	23.55	19.76	0.095
					1	24	0	23.62	19.83	0.096
					1	49	0	23.38	19.59	0.091
					50	0	1	22.63	18.84	0.077
				16QAM	1	0	1	23.22	19.43	0.088
					1	24	1	23.01	19.22	0.084
					1	49	1	23.03	19.24	0.084
					50	0	2	21.65	17.86	0.061
				64QAM	1	0	2	21.93	18.14	0.065
					1	24	2	21.86	18.07	0.064
					1	49	2	21.65	17.86	0.061
					50	0	3	20.66	16.87	0.049
				256QAM	1	0	4	18.80	15.01	0.032
					1	24	4	18.88	15.09	0.032
					1	49	4	18.52	14.73	0.030
					50	0	5	18.62	14.83	0.030

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)
26	15	26865	831.5	QPSK	1	0	0	23.88	20.09	0.102
					1	38	0	23.58	19.79	0.095
					1	74	0	23.75	19.96	0.099
					75	0	1	22.64	18.85	0.077
				16QAM	1	0	1	23.06	19.27	0.085
					1	38	1	22.99	19.20	0.083
					1	74	1	22.90	19.11	0.081
					75	0	2	21.73	17.94	0.062
				64QAM	1	0	2	22.07	18.28	0.067
					1	38	2	21.83	18.04	0.064
					1	74	2	21.71	17.92	0.062
					75	0	3	20.70	16.91	0.049
				256QAM	1	0	4	18.83	15.04	0.032
					1	38	4	18.77	14.98	0.031
					1	74	4	18.75	14.96	0.031
					75	0	5	18.71	14.92	0.031
		26915	836.5	QPSK	1	0	0	23.54	19.75	0.094
					1	38	0	23.45	19.66	0.092
					1	74	0	23.65	19.86	0.097
					75	0	1	22.62	18.83	0.076
				16QAM	1	0	1	22.66	18.87	0.077
					1	38	1	23.08	19.29	0.085
					1	74	1	22.87	19.08	0.081
					75	0	2	21.70	17.91	0.062
				64QAM	1	0	2	21.85	18.06	0.064
					1	38	2	21.84	18.05	0.064
					1	74	2	21.77	17.98	0.063
					75	0	3	20.68	16.89	0.049
				256QAM	1	0	4	18.83	15.04	0.032
					1	38	4	18.66	14.87	0.031
					1	74	4	18.55	14.76	0.030
					75	0	5	18.73	14.94	0.031
		26965	841.5	QPSK	1	0	0	23.61	19.82	0.096
					1	38	0	23.70	19.91	0.098
					1	74	0	23.45	19.66	0.092
					75	0	1	22.67	18.88	0.077
				16QAM	1	0	1	23.26	19.47	0.089
					1	38	1	23.06	19.27	0.085
					1	74	1	23.09	19.30	0.085
					75	0	2	21.70	17.91	0.062
				64QAM	1	0	2	22.01	18.22	0.066
					1	38	2	21.91	18.12	0.065
					1	74	2	21.71	17.92	0.062
					75	0	3	20.72	16.93	0.049
				256QAM	1	0	4	18.88	15.09	0.032
					1	38	4	18.92	15.13	0.033
					1	74	4	18.57	14.78	0.030
					75	0	5	18.66	14.87	0.031

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

LTE Band CA_5B:

Band	BW (MHz)	PCC/SCC Channel	Frequency (MHz)	Mode	PCC UL RB Allocation	PCC UL RB Start	SCC UL RB Allocation	SCC UL RB Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
Band 5+5	3+5	20416 20455	825.6 829.5	QPSK	1	0	0	0	1	23.56	19.82	0.096
					15	0	25	0	2	23.12	19.38	0.087
				16QAM	1	0	0	0	1.5	23.53	19.79	0.095
					15	0	25	0	3	22.11	18.37	0.069
				64QAM	1	0	0	0	2	22.60	18.86	0.077
					15	0	25	0	2	21.98	18.24	0.067
				256QAM	1	0	0	0	6	19.64	15.90	0.039
					15	0	25	0	6	20.23	16.49	0.045
		20501 20540	834.1 838	QPSK	1	0	0	0	1	23.58	19.84	0.096
					15	0	25	0	2	23.22	19.48	0.089
				16QAM	1	0	0	0	1.5	23.59	19.85	0.097
					15	0	25	0	3	22.36	18.62	0.073
				64QAM	1	0	0	0	2	22.59	18.85	0.077
					15	0	25	0	2	22.04	18.30	0.068
				256QAM	1	0	0	0	6	19.60	15.86	0.039
					15	0	25	0	6	20.27	16.53	0.045
		20586 20625	842.6 846.5	QPSK	1	0	0	0	1	23.39	19.65	0.092
					15	0	25	0	2	23.32	19.58	0.091
				16QAM	1	0	0	0	1.5	23.66	19.92	0.098
					15	0	25	0	3	22.39	18.65	0.073
				64QAM	1	0	0	0	2	22.55	18.81	0.076
					15	0	25	0	2	22.04	18.30	0.068
				256QAM	1	0	0	0	6	19.69	15.95	0.039
					15	0	25	0	6	20.35	16.61	0.046

NOTE:

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	PCC UL RB Allocation	PCC UL RB Start	SCC UL RB Allocation	SCC UL RB Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
Band 5+5	5+3	20425 20464	826.5 830.4	QPSK	1	0	0	0	1	23.59	19.85	0.097
					25	0	15	0	2	23.19	19.45	0.088
				16QAM	1	0	0	0	1.5	23.62	19.88	0.097
					25	0	15	0	3	22.16	18.42	0.070
				64QAM	1	0	0	0	2	22.63	18.89	0.077
					25	0	15	0	2	22.01	18.27	0.067
				256QAM	1	0	0	0	6	19.73	15.99	0.040
					25	0	15	0	6	20.27	16.53	0.045
		20510 20549	835 838.9	QPSK	1	0	0	0	1	23.63	19.89	0.097
					25	0	15	0	2	23.30	19.56	0.090
				16QAM	1	0	0	0	1.5	23.64	19.90	0.098
					25	0	15	0	3	22.39	18.65	0.073
				64QAM	1	0	0	0	2	22.63	18.89	0.077
					25	0	15	0	2	22.12	18.38	0.069
				256QAM	1	0	0	0	6	19.64	15.90	0.039
					25	0	15	0	6	20.30	16.56	0.045
		20595 20634	843.5 847.4	QPSK	1	0	0	0	1	23.49	19.75	0.094
					25	0	15	0	2	23.33	19.59	0.091
				16QAM	1	0	0	0	1.5	23.71	19.97	0.099
					25	0	15	0	3	22.43	18.69	0.074
				64QAM	1	0	0	0	2	22.59	18.85	0.077
					25	0	15	0	2	22.12	18.38	0.069
				256QAM	1	0	0	0	6	19.76	16.02	0.040
					25	0	15	0	6	20.42	16.68	0.047

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	PCC UL RB Allocation	PCC UL RB Start	SCC UL RB Allocation	SCC UL RB Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
Band 5+5	5+10	20428 20500	826.8 834	QPSK	1	0	0	0	1	23.69	19.95	0.099
					25	0	50	0	2	23.26	19.52	0.090
				16QAM	1	0	0	0	1.5	23.64	19.90	0.098
					25	0	50	0	3	22.24	18.50	0.071
				64QAM	1	0	0	0	2	22.73	18.99	0.079
					25	0	50	0	2	22.04	18.30	0.068
				256QAM	1	0	0	0	6	19.75	16.01	0.040
					25	0	50	0	6	20.32	16.58	0.045
		20478 20550	831.8 839	QPSK	1	0	0	0	1	23.73	19.99	0.100
					25	0	50	0	2	23.32	19.58	0.091
				16QAM	1	0	0	0	1.5	23.66	19.92	0.098
					25	0	50	0	3	22.45	18.71	0.074
				64QAM	1	0	0	0	2	22.67	18.93	0.078
					25	0	50	0	2	22.16	18.42	0.070
				256QAM	1	0	0	0	6	19.65	15.91	0.039
					25	0	50	0	6	20.40	16.66	0.046
		20528 20600	836.8 844	QPSK	1	0	0	0	1	23.52	19.78	0.095
					25	0	50	0	2	23.42	19.68	0.093
				16QAM	1	0	0	0	1.5	23.77	20.03	0.101
					25	0	50	0	3	22.47	18.73	0.075
				64QAM	1	0	0	0	2	22.66	18.92	0.078
					25	0	50	0	2	22.21	18.47	0.070
				256QAM	1	0	0	0	6	19.82	16.08	0.041
					25	0	50	0	6	20.46	16.72	0.047

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	PCC UL RB Allocation	PCC UL RB Start	SCC UL RB Allocation	SCC UL RB Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
Band 5+5	10+5	20450 20522	829 836.2	QPSK	1	0	0	0	1	23.78	20.04	0.101
					50	0	25	0	2	23.31	19.57	0.091
				16QAM	1	0	0	0	1.5	23.68	19.94	0.099
					50	0	25	0	3	22.33	18.59	0.072
				64QAM	1	0	0	0	2	22.77	19.03	0.080
					50	0	25	0	2	22.13	18.39	0.069
				256QAM	1	0	0	0	6	19.81	16.07	0.040
					50	0	25	0	6	20.42	16.68	0.047
		20500 20572	834 841.2	QPSK	1	0	0	0	1	23.82	20.08	0.102
					50	0	25	0	2	23.36	19.62	0.092
				16QAM	1	0	0	0	1.5	23.69	19.95	0.099
					50	0	25	0	3	22.50	18.76	0.075
				64QAM	1	0	0	0	2	22.72	18.98	0.079
					50	0	25	0	2	22.20	18.46	0.070
				256QAM	1	0	0	0	6	19.72	15.98	0.040
					50	0	25	0	6	20.49	16.75	0.047
		20550 20622	839 846.2	QPSK	1	0	0	0	1	23.59	19.85	0.097
					50	0	25	0	2	23.48	19.74	0.094
				16QAM	1	0	0	0	1.5	23.78	20.04	0.101
					50	0	25	0	3	22.53	18.79	0.076
				64QAM	1	0	0	0	2	22.72	18.98	0.079
					50	0	25	0	2	22.31	18.57	0.072
				256QAM	1	0	0	0	6	19.87	16.13	0.041
					50	0	25	0	6	20.54	16.80	0.048

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	PCC UL RB Allocation	PCC UL RB Start	SCC UL RB Allocation	SCC UL RB Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
Band 5+5	10+10	20450 20549	829 838.9	QPSK	1	0	0	0	1	23.88	20.14	0.103
					50	0	50	0	2	23.40	19.66	0.092
				16QAM	1	0	0	0	1.5	23.74	20.00	0.100
					50	0	50	0	3	22.39	18.65	0.073
				64QAM	1	0	0	0	2	22.80	19.06	0.081
					50	0	50	0	2	22.15	18.41	0.069
				256QAM	1	0	0	0	6	19.86	16.12	0.041
					50	0	50	0	6	20.47	16.73	0.047
		20476 20575	831.6 848.9	QPSK	1	0	0	0	1	23.89	20.15	0.104
					50	0	50	0	2	23.44	19.70	0.093
				16QAM	1	0	0	0	1.5	23.77	20.03	0.101
					50	0	50	0	3	22.54	18.80	0.076
				64QAM	1	0	0	0	2	22.81	19.07	0.081
					50	0	50	0	2	22.26	18.52	0.071
				256QAM	1	0	0	0	6	19.82	16.08	0.041
					50	0	50	0	6	20.55	16.81	0.048
		20501 20600	834.1 844	QPSK	1	0	0	0	1	23.65	19.91	0.098
					50	0	50	0	2	23.55	19.81	0.096
				16QAM	1	0	0	0	1.5	23.81	20.07	0.102
					50	0	50	0	3	22.56	18.82	0.076
				64QAM	1	0	0	0	2	22.77	19.03	0.080
					50	0	50	0	2	22.32	18.58	0.072
				256QAM	1	0	0	0	6	19.93	16.19	0.042
					50	0	50	0	6	20.58	16.84	0.048

NOTE:

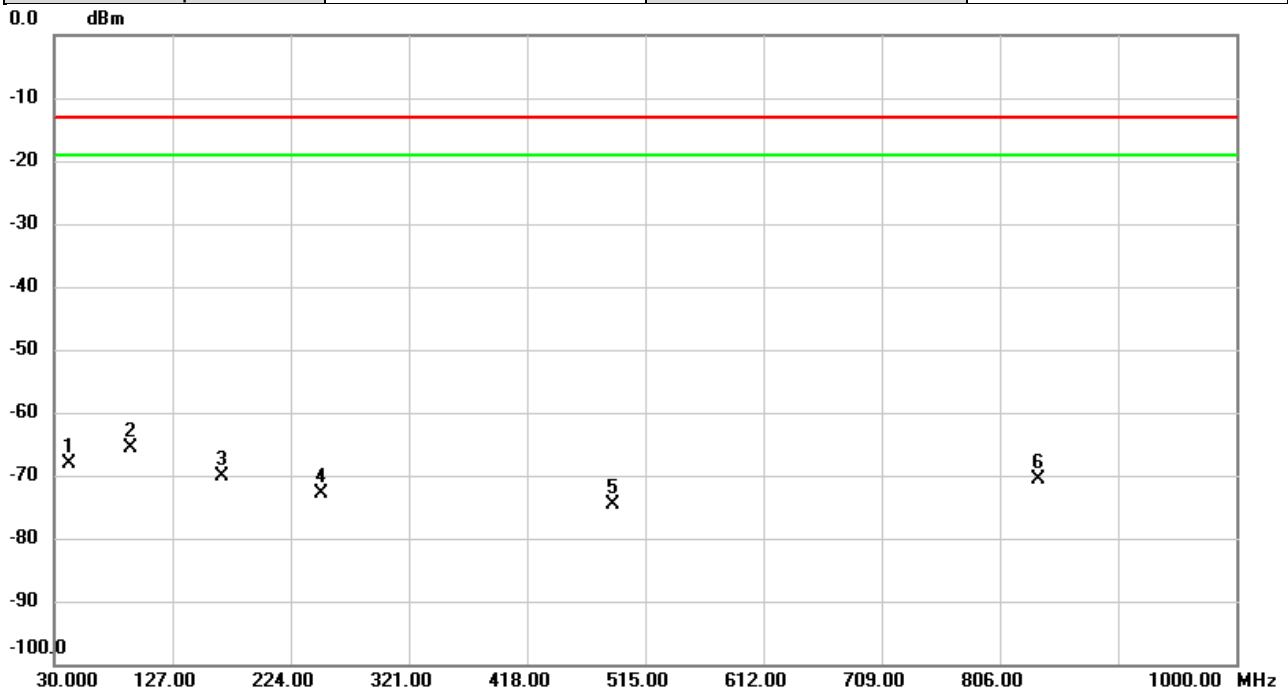
(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

APPENDIX B RADIATED SPURIOUS EMISSIONS

Test Mode	WCDMA Band V	Test Date	2023/11/29
Test Channel	CH4182	Polarization	Vertical
Temp	23°C	Hum.	56%



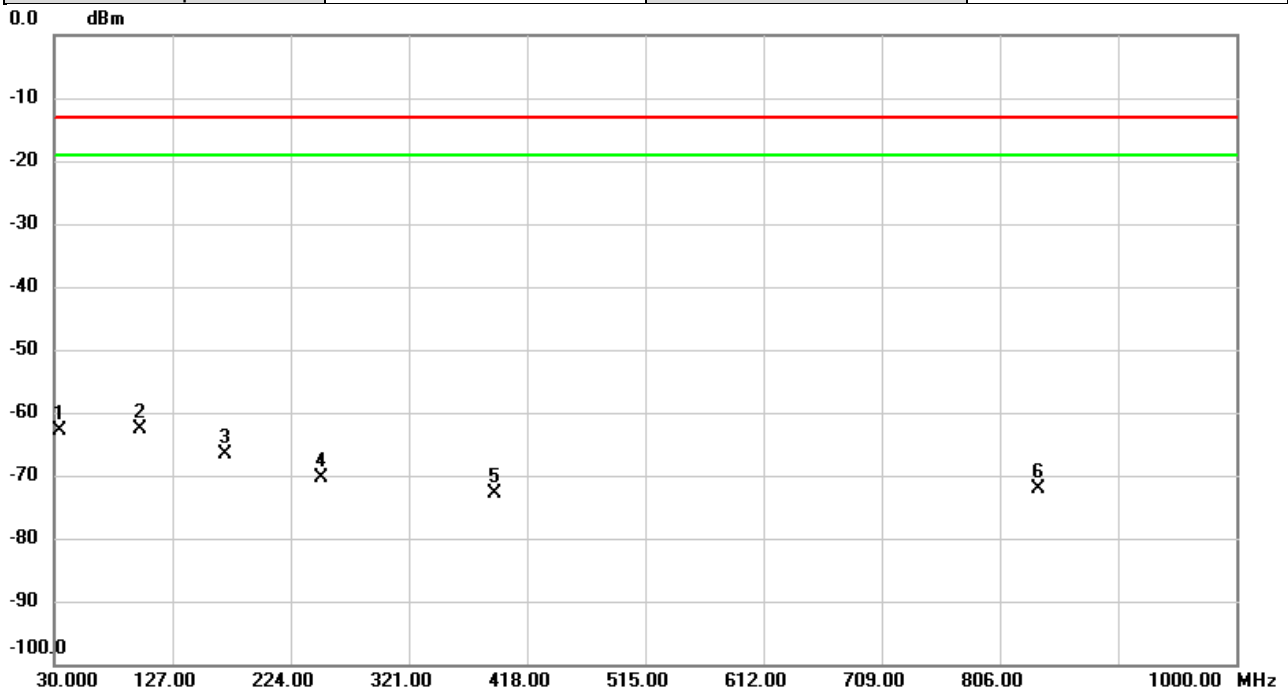
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		42.0280	-59.73	-8.44	-68.17	-13.00	-55.17	peak	
2	*	93.3733	-59.75	-5.83	-65.58	-13.00	-52.58	peak	
3		167.5460	-68.14	-1.93	-70.07	-13.00	-57.07	peak	
4		249.6080	-69.99	-2.94	-72.93	-13.00	-59.93	peak	
5		489.0687	-74.35	-0.31	-74.66	-13.00	-61.66	peak	
6		837.1047	-75.34	4.65	-70.69	-13.00	-57.69	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	WCDMA Band V	Test Date	2023/11/29
Test Channel	CH4182	Polarization	Horizontal
Temp	23°C	Hum.	56%



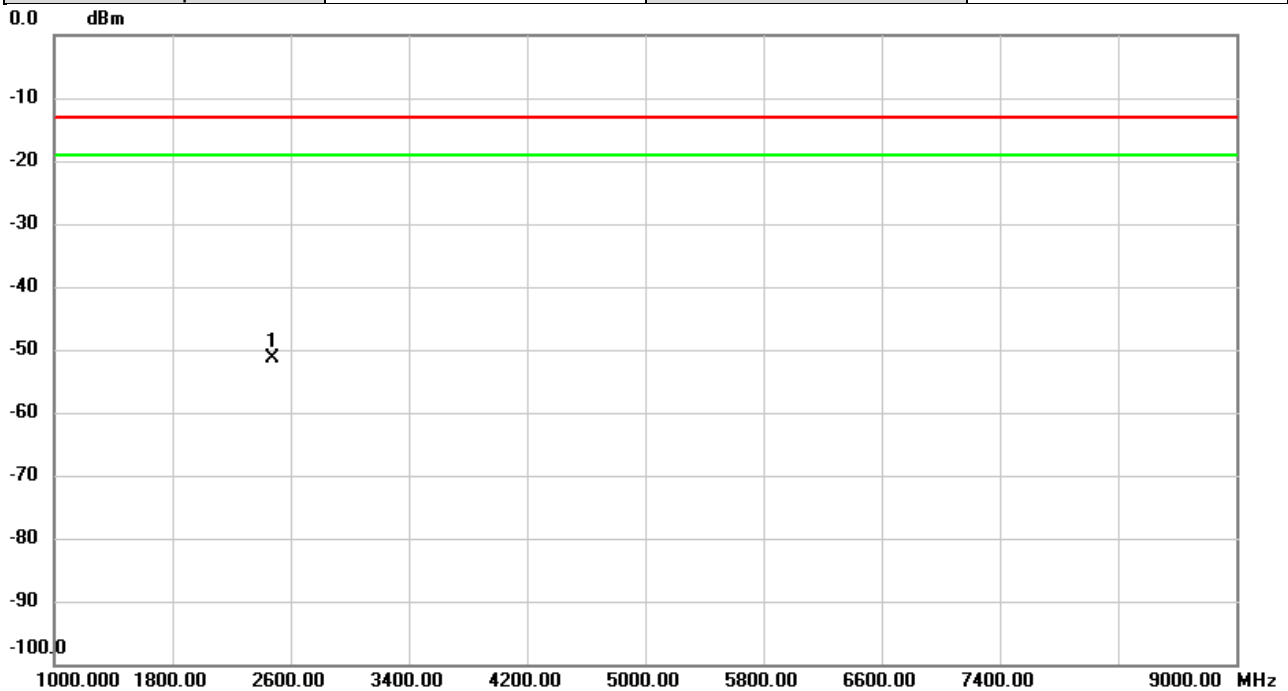
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		34.6560	-65.35	2.36	-62.99	-13.00	-49.99	peak	
2	*	100.5836	-54.71	-7.84	-62.55	-13.00	-49.55	peak	
3		170.1650	-61.07	-5.62	-66.69	-13.00	-53.69	peak	
4		249.1877	-62.35	-8.01	-70.36	-13.00	-57.36	peak	
5		390.9370	-70.51	-2.47	-72.98	-13.00	-59.98	peak	
6		837.7513	-76.17	3.99	-72.18	-13.00	-59.18	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	WCDMA Band V	Test Date	2023/11/30
Test Channel	CH4132	Polarization	Vertical
Temp	22°C	Hum.	59%

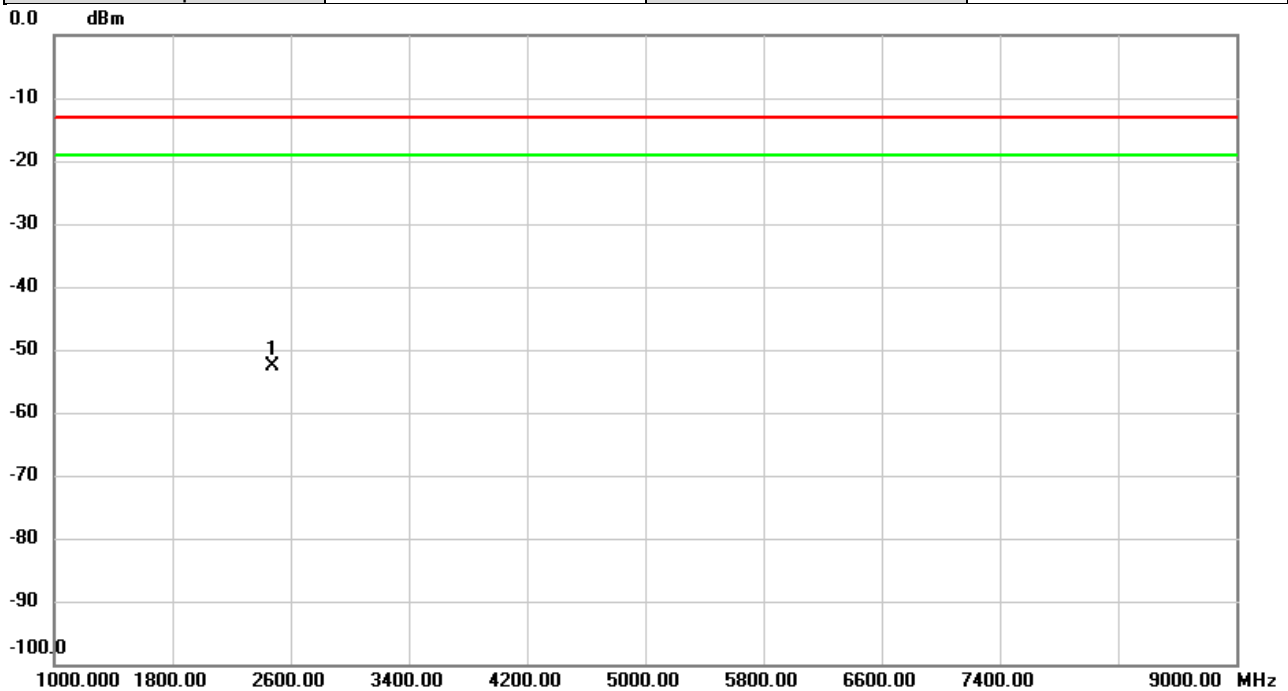


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	2482.400	-58.80	7.46	-51.34	-13.00	-38.34	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/11/30
Test Channel	CH4132	Polarization	Horizontal
Temp	22°C	Hum.	59%

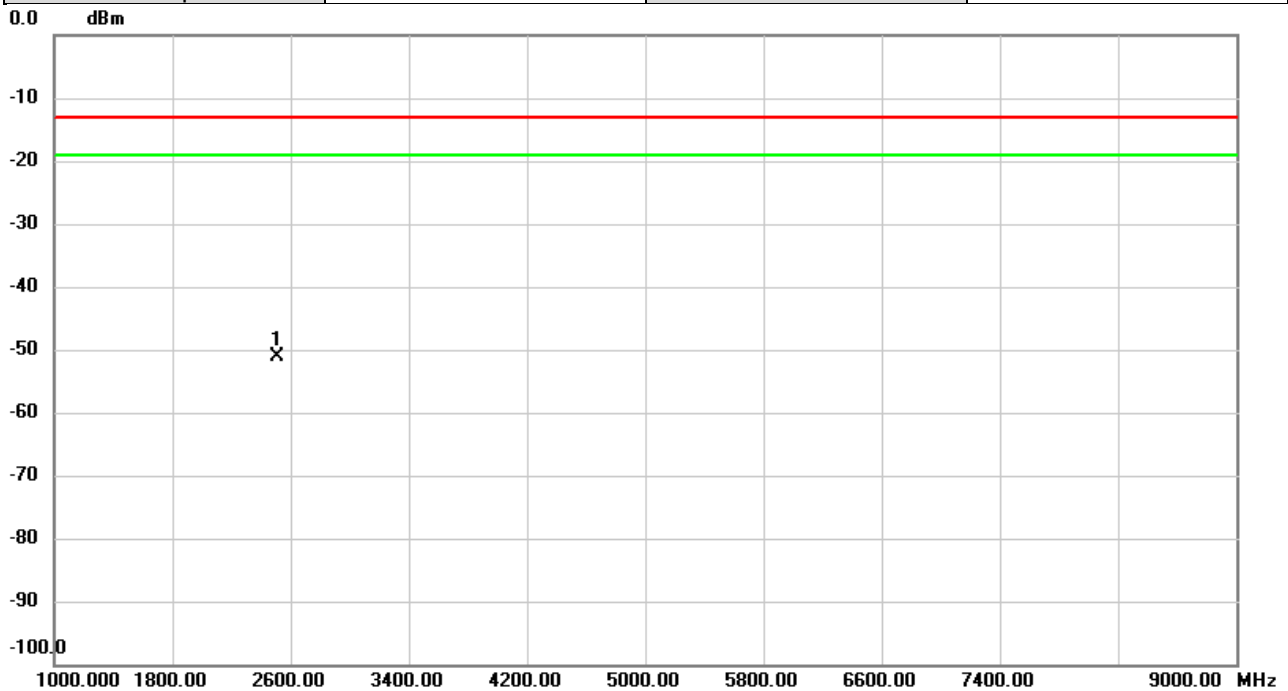


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	2482.133	-59.98	7.32	-52.66	-13.00	-39.66	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/11/30
Test Channel	CH4182	Polarization	Vertical
Temp	22°C	Hum.	59%

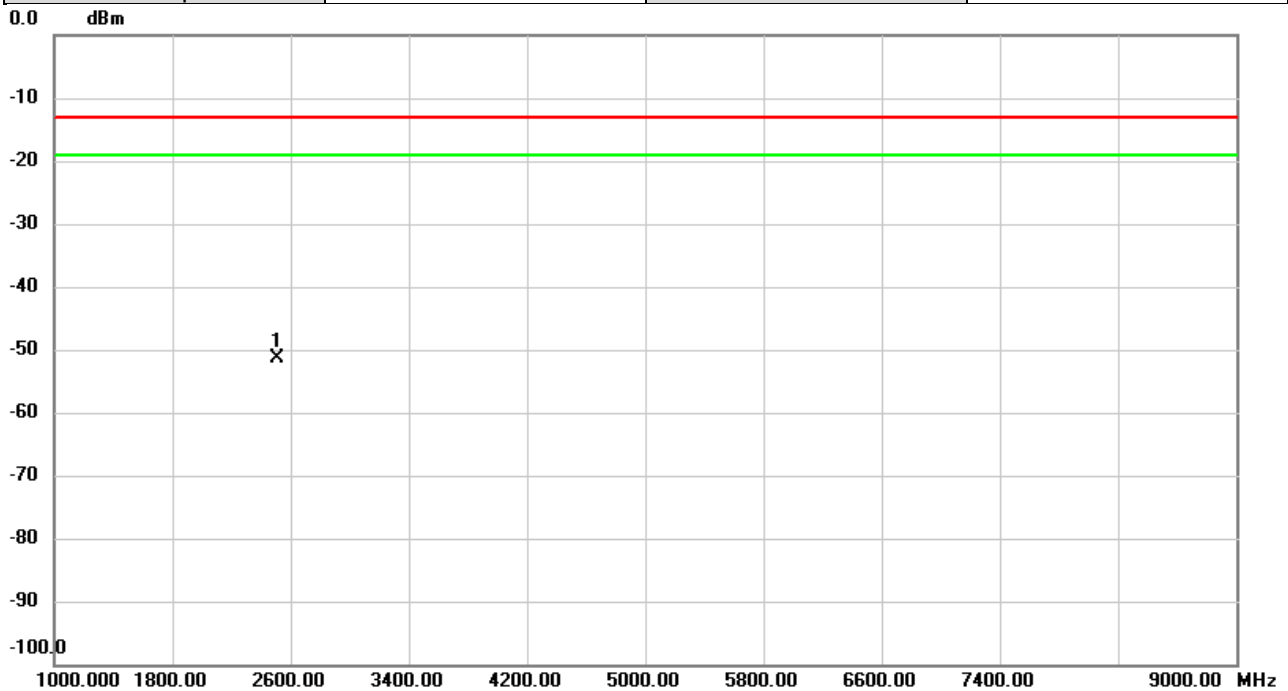


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	2513.600	-58.43	7.43	-51.00	-13.00	-38.00	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/11/30
Test Channel	CH4182	Polarization	Horizontal
Temp	22°C	Hum.	59%

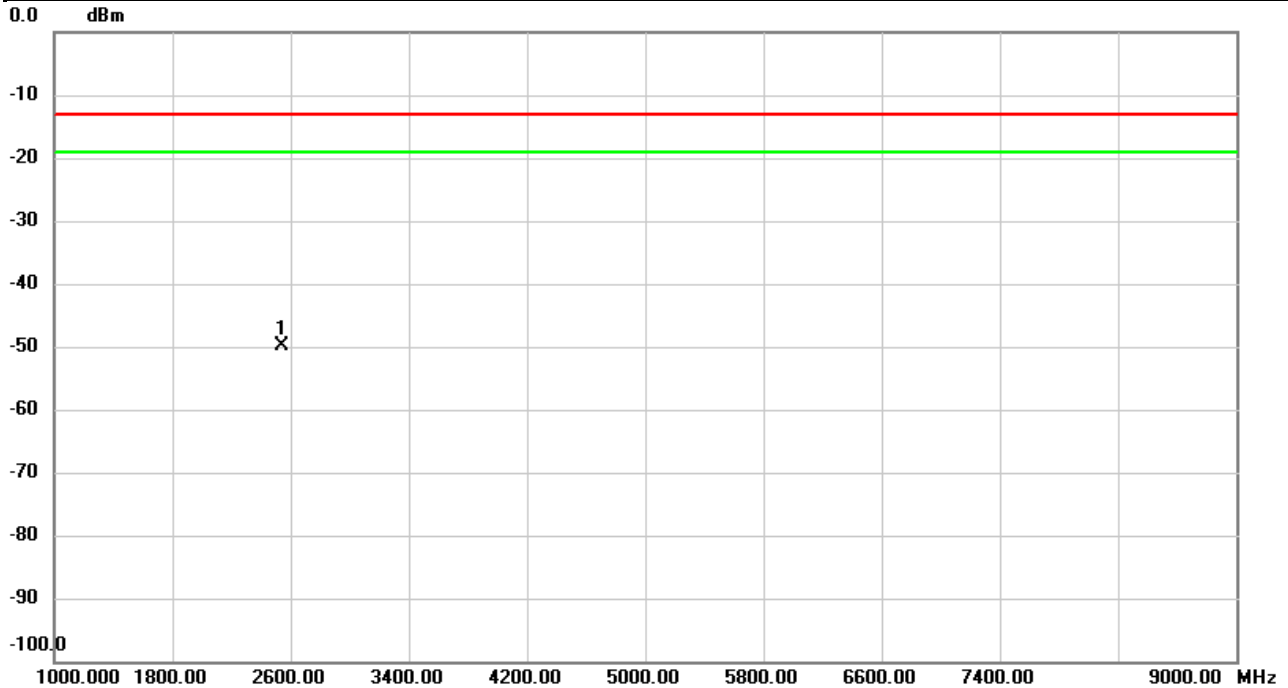


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	2511.733	-58.65	7.29	-51.36	-13.00	-38.36	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/11/30
Test Channel	CH4233	Polarization	Vertical
Temp	22°C	Hum.	59%

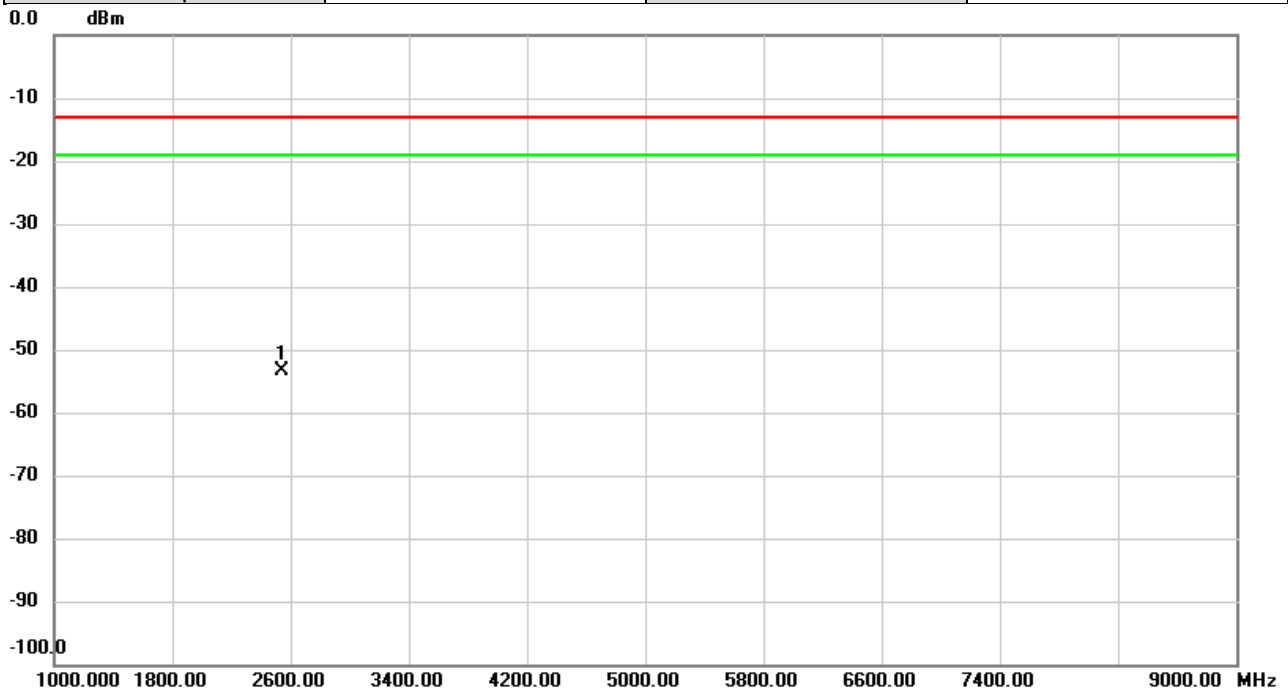


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	2540.533	-57.47	7.63	-49.84	-13.00	-36.84	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/11/30
Test Channel	CH4233	Polarization	Horizontal
Temp	22°C	Hum.	59%

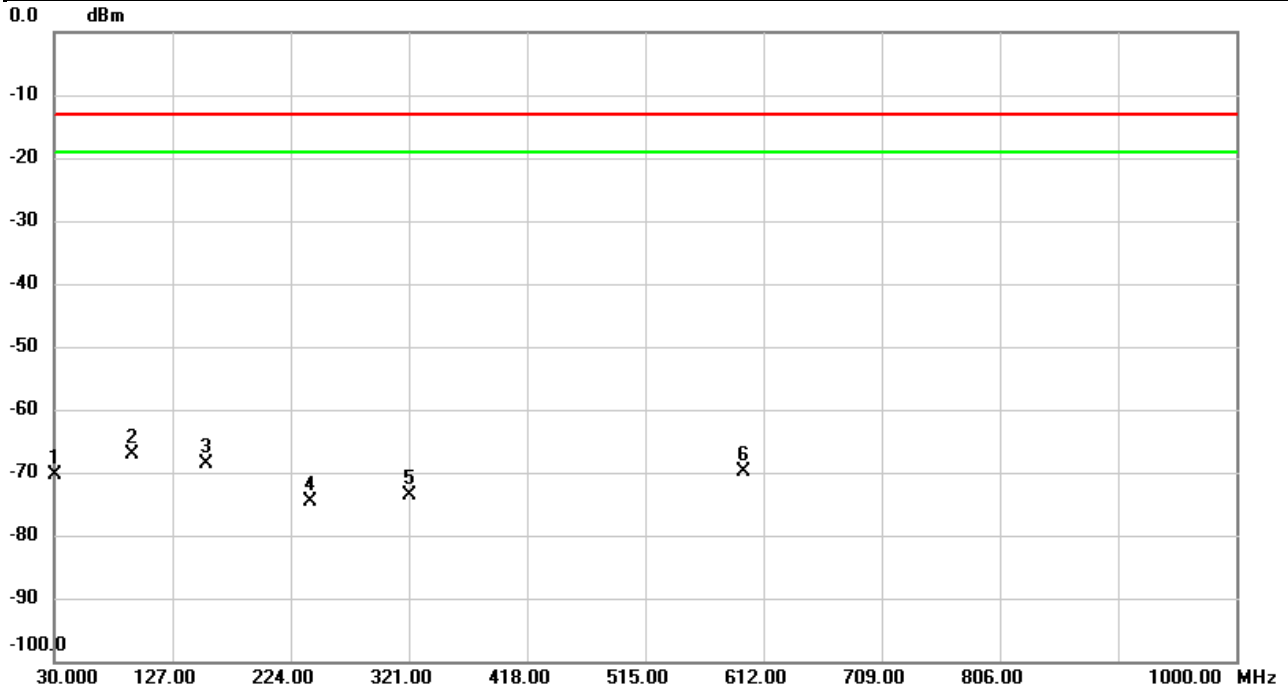


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2539.800	-60.87	7.52	-53.35	-13.00	-40.35	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/11/29
Test Channel	CH20600	Polarization	Vertical
Temp	23°C	Hum.	56%

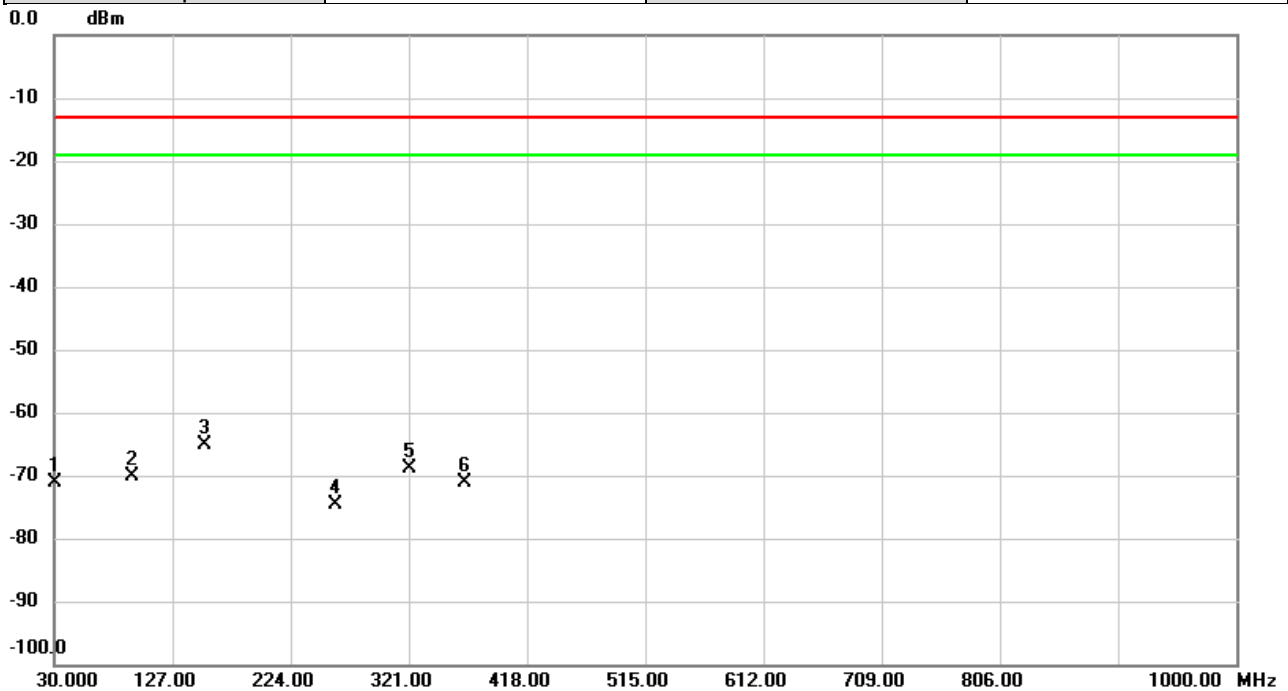


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		31.2610	-61.30	-9.19	-70.49	-13.00	-57.49	peak	
2	*	93.4057	-61.18	-5.83	-67.01	-13.00	-54.01	peak	
3		155.2917	-66.25	-2.43	-68.68	-13.00	-55.68	peak	
4		240.5870	-72.33	-2.38	-74.71	-13.00	-61.71	peak	
5		321.0323	-70.61	-3.09	-73.70	-13.00	-60.70	peak	
6		595.5423	-73.09	3.16	-69.93	-13.00	-56.93	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/11/29
Test Channel	CH20600	Polarization	Horizontal
Temp	23°C	Hum.	56%

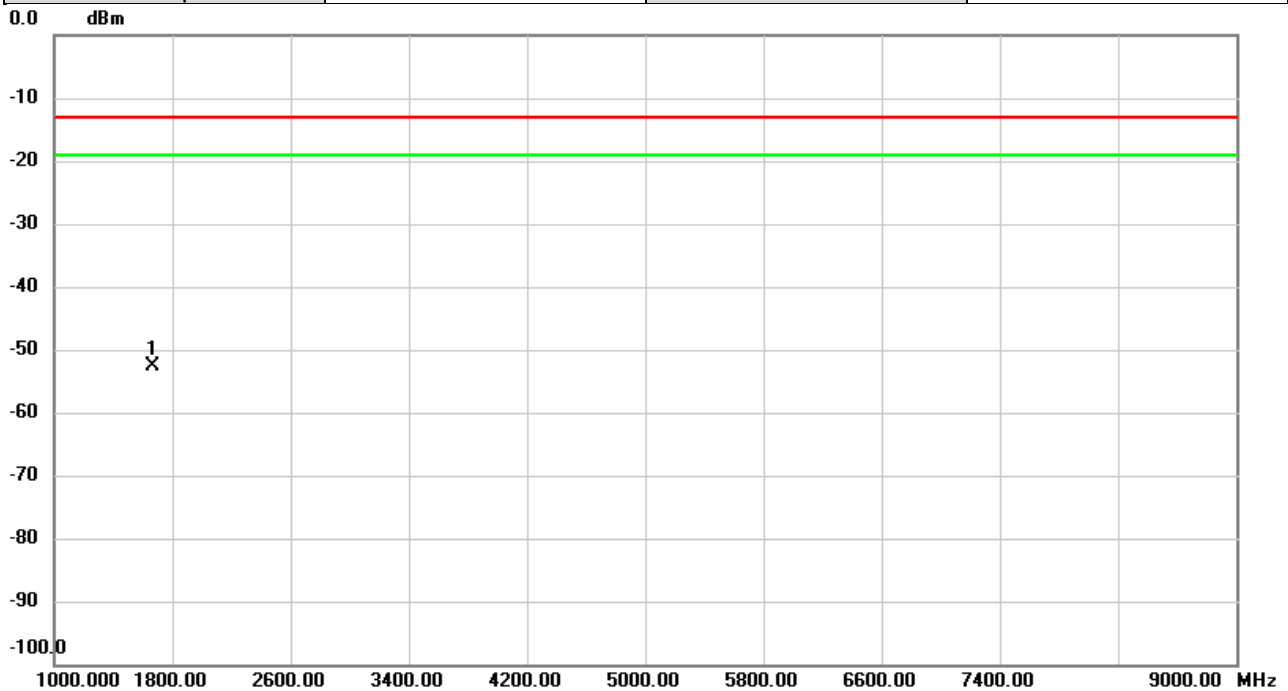


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		30.0000	-73.89	2.87	-71.02	-13.00	-58.02	peak	
2		94.4080	-61.97	-8.11	-70.08	-13.00	-57.08	peak	
3	*	153.9660	-59.32	-5.80	-65.12	-13.00	-52.12	peak	
4		260.3103	-67.08	-7.61	-74.69	-13.00	-61.69	peak	
5		321.0647	-64.22	-4.64	-68.86	-13.00	-55.86	peak	
6		367.3337	-68.65	-2.57	-71.22	-13.00	-58.22	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/11/27
Test Channel	CH20450	Polarization	Vertical
Temp	21°C	Hum.	57%

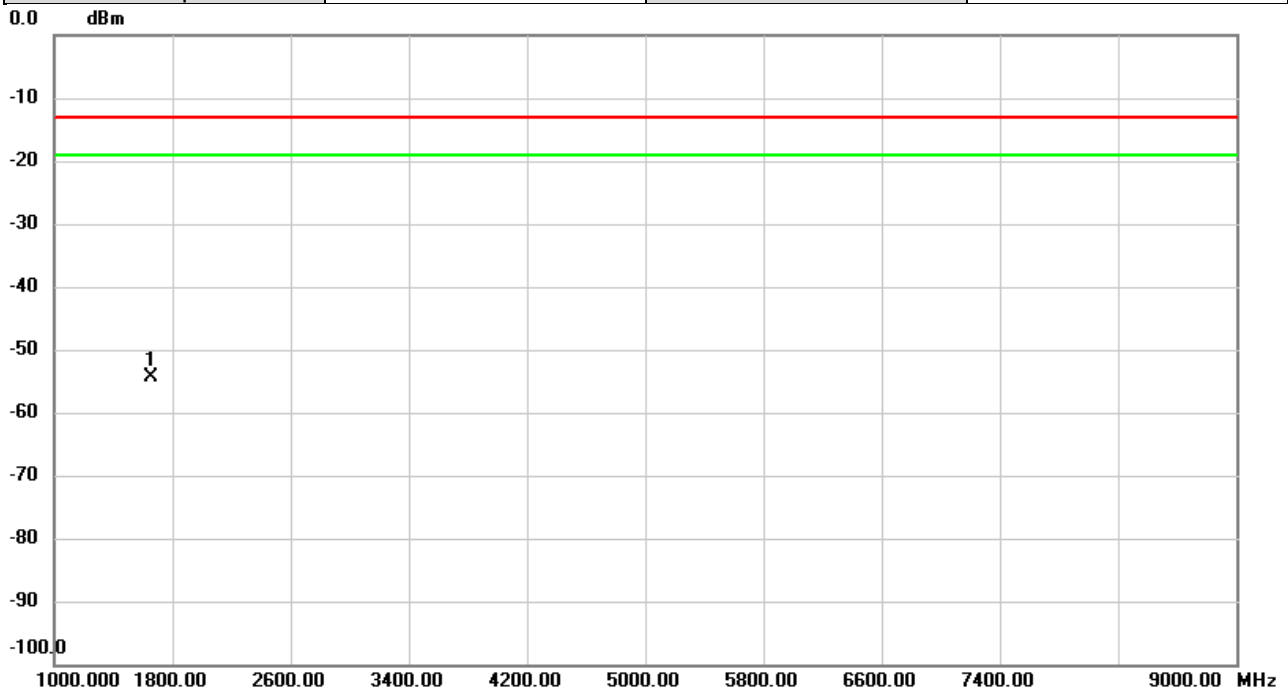


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1663.467	-58.20	5.63	-52.57	-13.00	-39.57	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/11/27
Test Channel	CH20450	Polarization	Horizontal
Temp	21°C	Hum.	57%

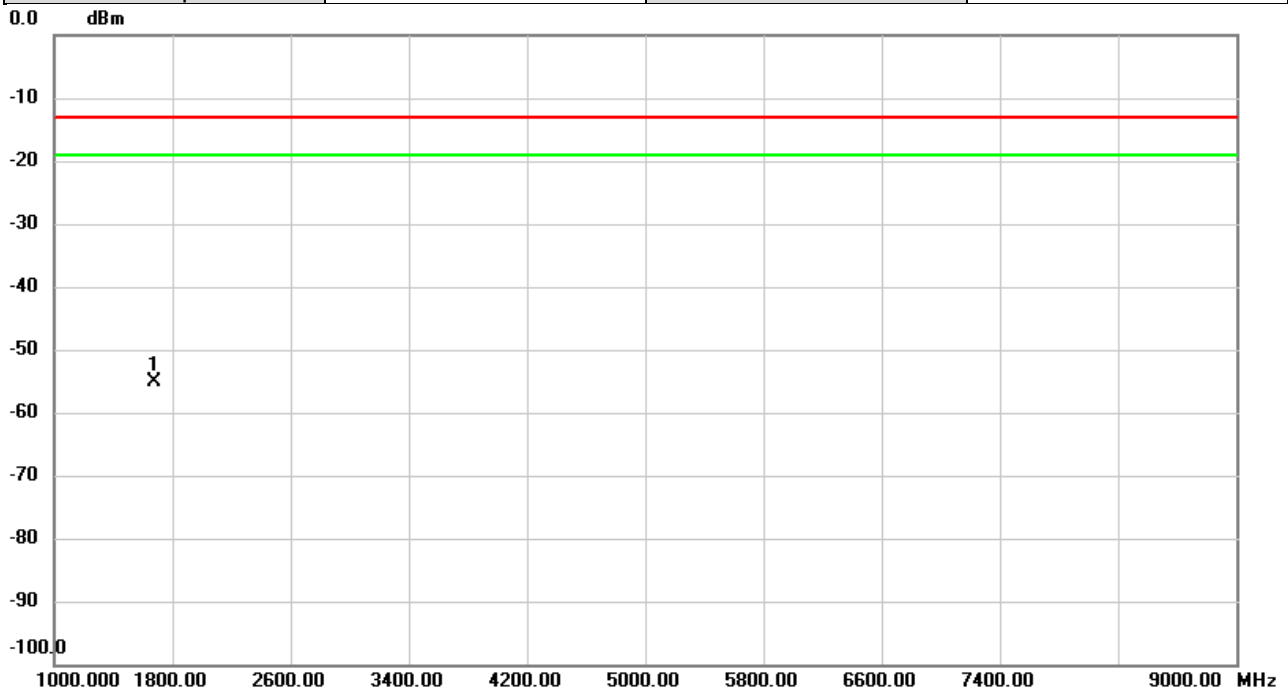


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1654.667	-59.83	5.53	-54.30	-13.00	-41.30	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/11/27
Test Channel	CH20525	Polarization	Vertical
Temp	21°C	Hum.	57%

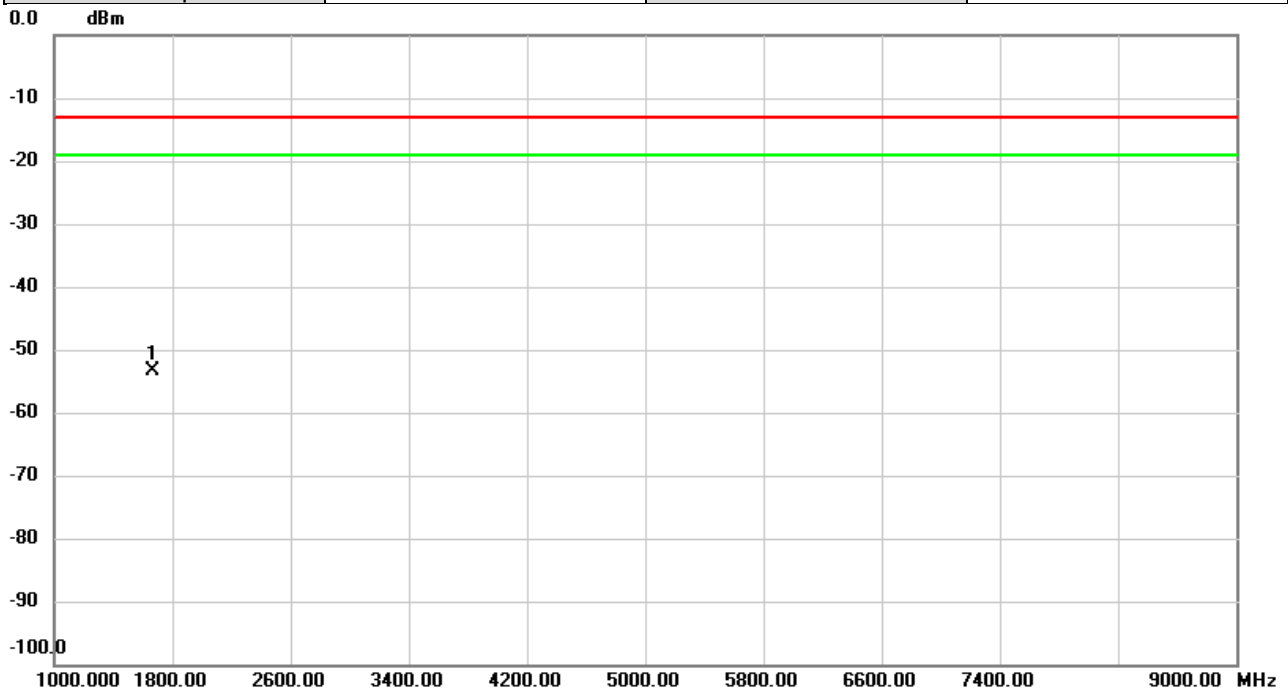


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1678.400	-60.65	5.65	-55.00	-13.00	-42.00	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/11/27
Test Channel	CH20525	Polarization	Horizontal
Temp	21°C	Hum.	57%

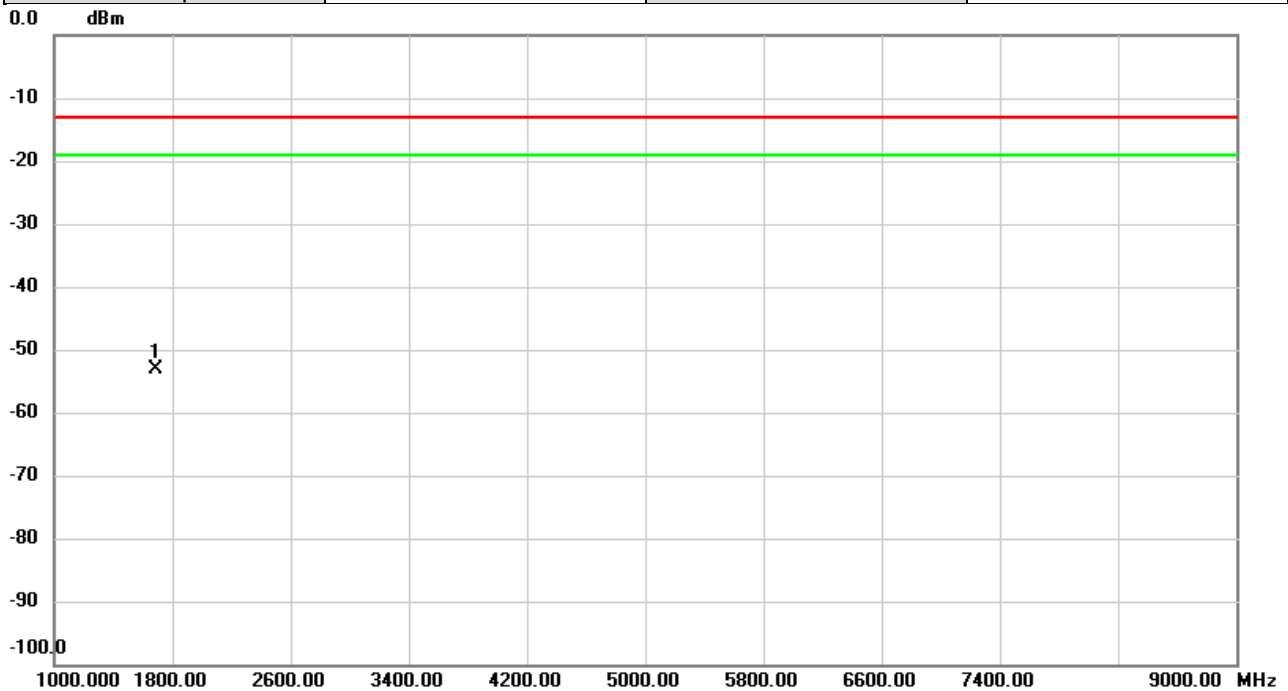


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1668.533	-58.84	5.56	-53.28	-13.00	-40.28	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/11/27
Test Channel	CH20600	Polarization	Vertical
Temp	21°C	Hum.	57%

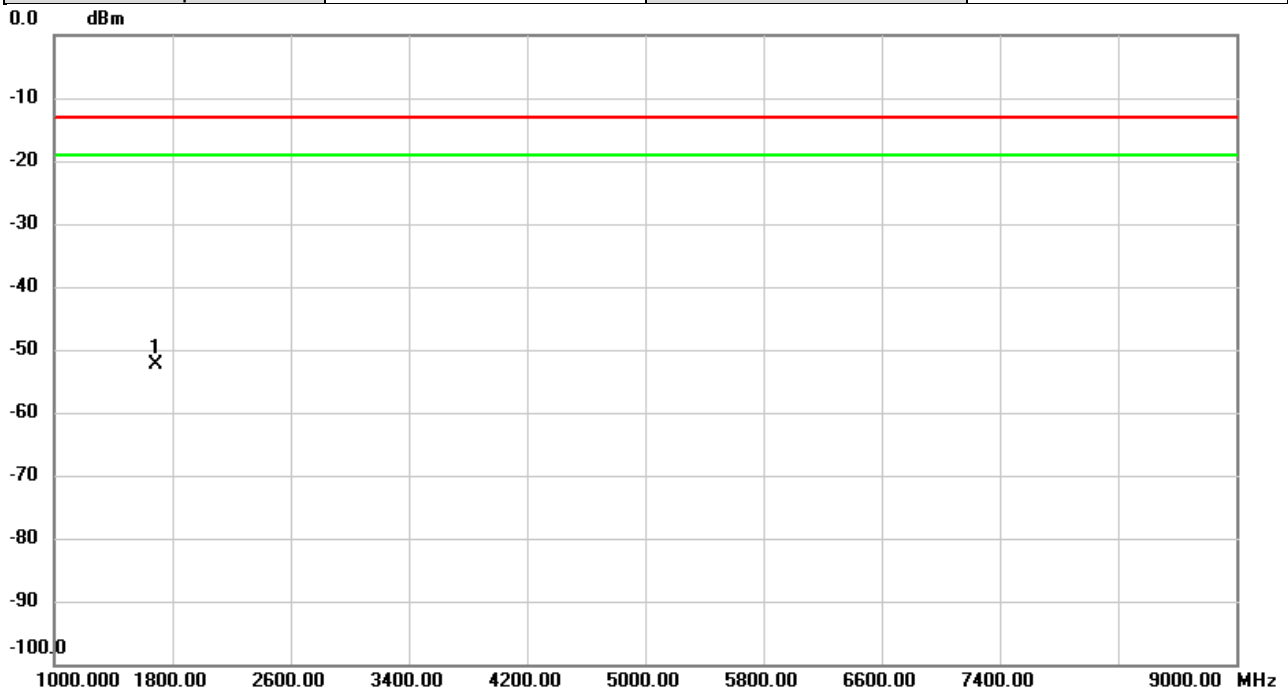


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1684.000	-58.66	5.65	-53.01	-13.00	-40.01	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/11/27
Test Channel	CH20600	Polarization	Horizontal
Temp	21°C	Hum.	57%

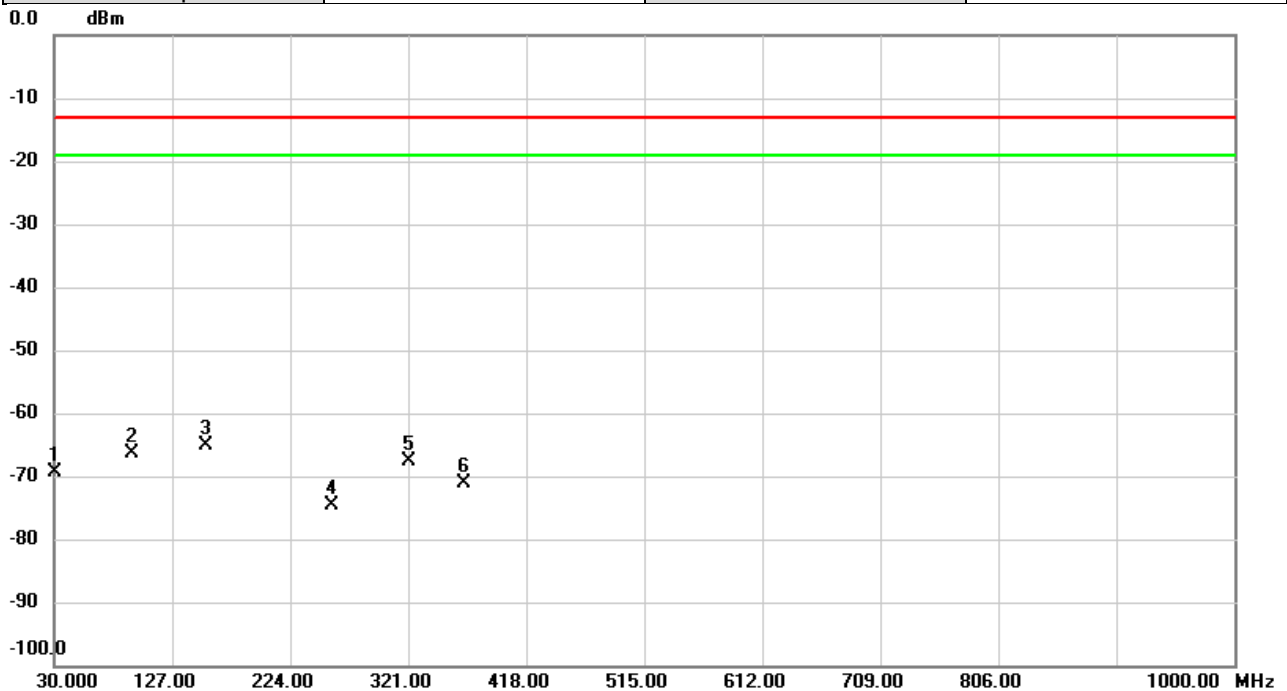


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1688.533	-57.96	5.61	-52.35	-13.00	-39.35	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/11/29
Test Channel	CH26865	Polarization	Vertical
Temp	23°C	Hum.	56%

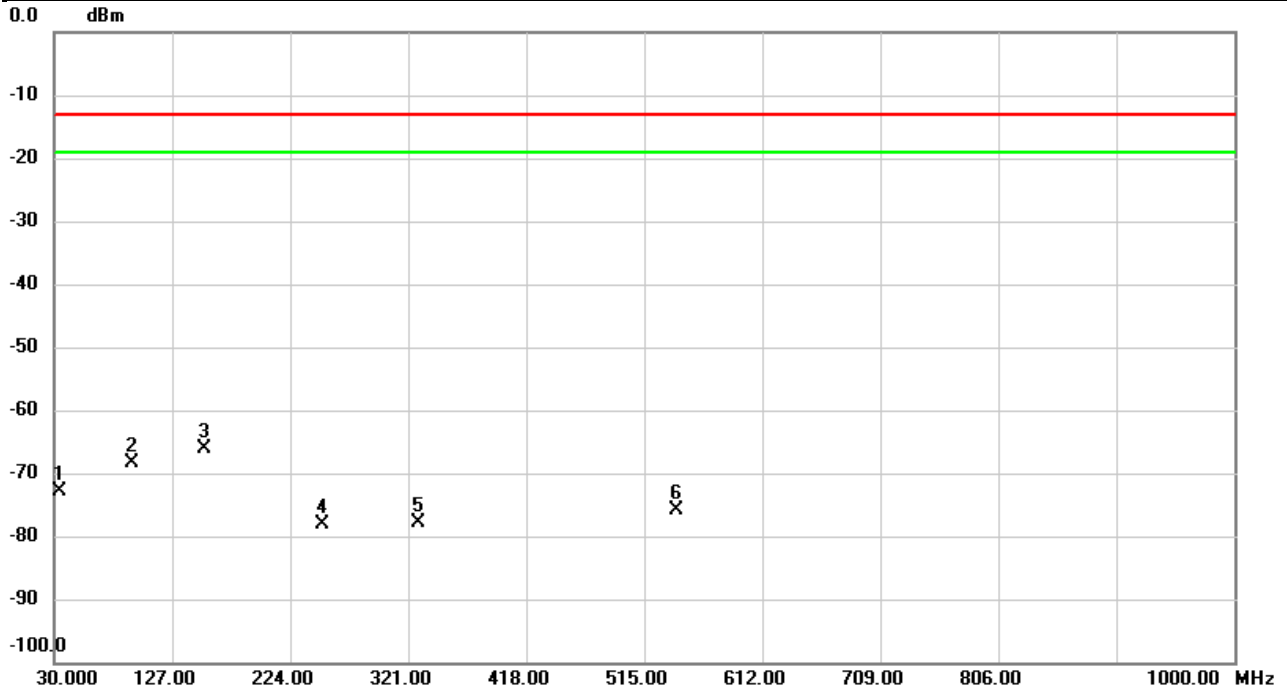


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		30.0000	-72.27	2.87	-69.40	-13.00	-56.40	peak	
2		94.0200	-58.31	-8.13	-66.44	-13.00	-53.44	peak	
3	*	154.6773	-59.26	-5.83	-65.09	-13.00	-52.09	peak	
4		258.8877	-67.07	-7.66	-74.73	-13.00	-61.73	peak	
5		321.0323	-62.86	-4.64	-67.50	-13.00	-54.50	peak	
6		366.3313	-68.47	-2.57	-71.04	-13.00	-58.04	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/11/29
Test Channel	CH26865	Polarization	Horizontal
Temp	23°C	Hum.	56%

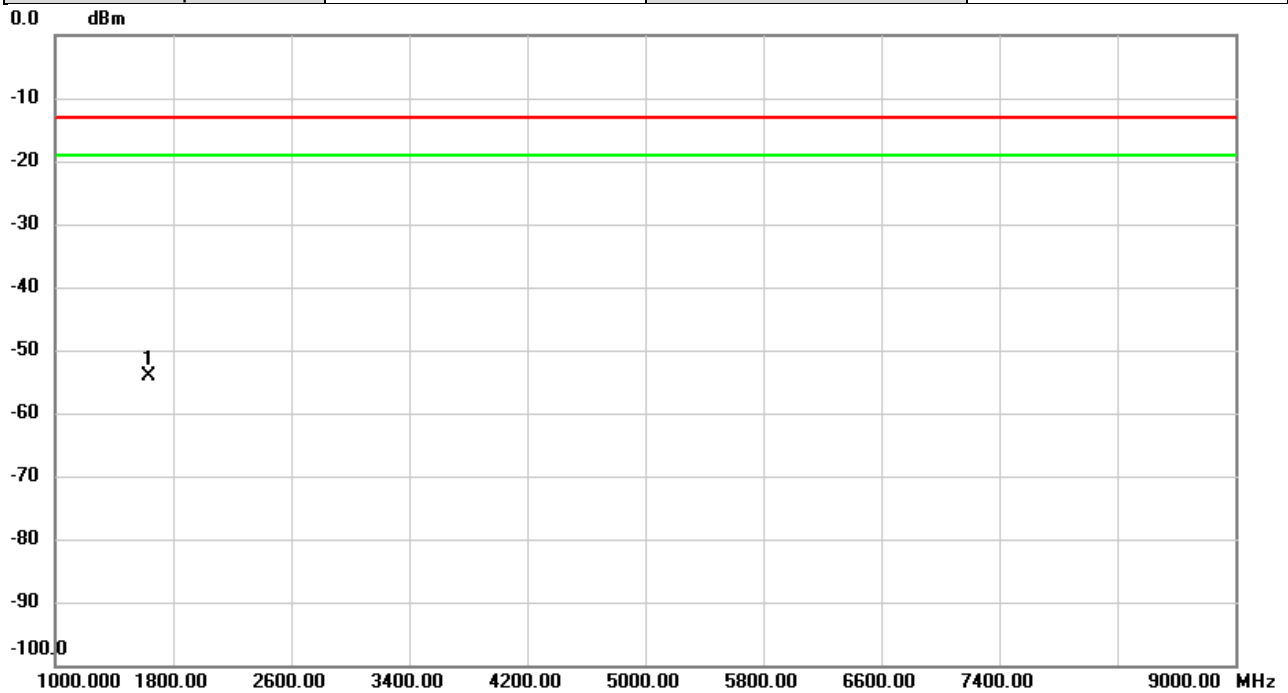


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		34.2680	-75.29	2.40	-72.89	-13.00	-59.89	peak	
2		93.4380	-60.27	-8.16	-68.43	-13.00	-55.43	peak	
3	*	153.9983	-60.36	-5.80	-66.16	-13.00	-53.16	peak	
4		250.0283	-70.13	-8.00	-78.13	-13.00	-65.13	peak	
5		329.7947	-73.88	-4.04	-77.92	-13.00	-64.92	peak	
6		541.6750	-74.94	-0.82	-75.76	-13.00	-62.76	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/11/27
Test Channel	CH26865	Polarization	Vertical
Temp	21°C	Hum.	57%

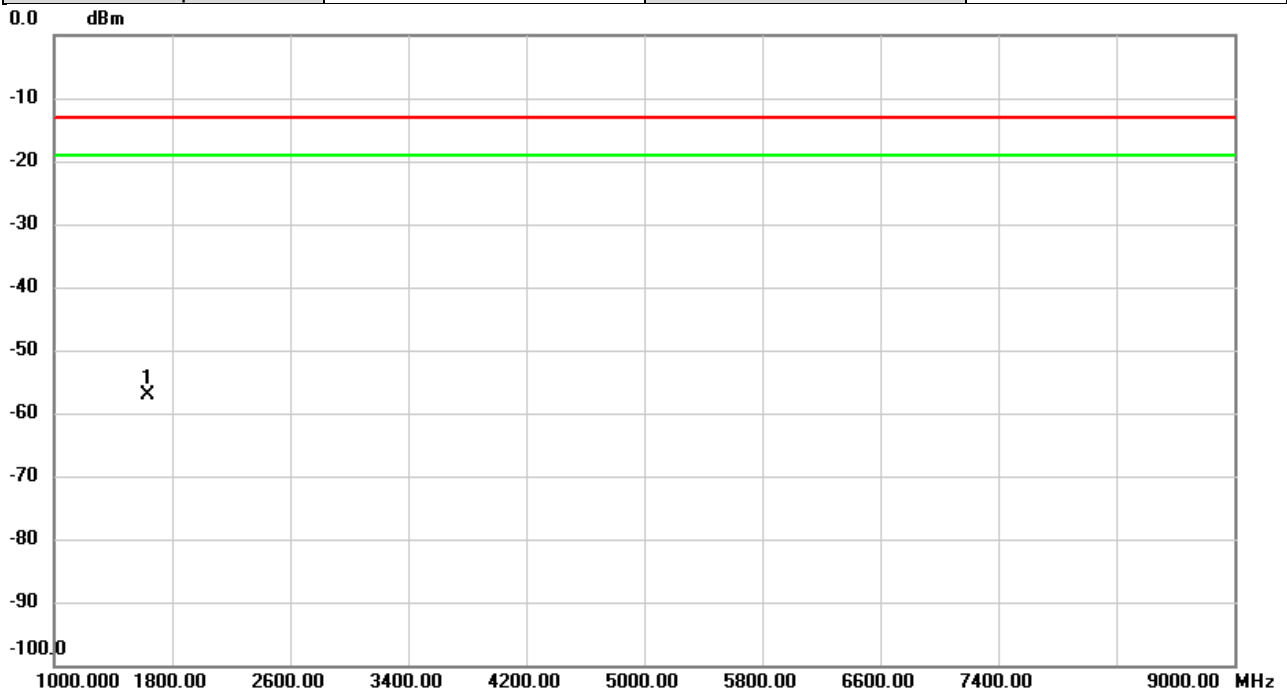


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1637.000	-59.43	5.41	-54.02	-13.00	-41.02	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/11/27
Test Channel	CH26865	Polarization	Horizontal
Temp	21°C	Hum.	57%

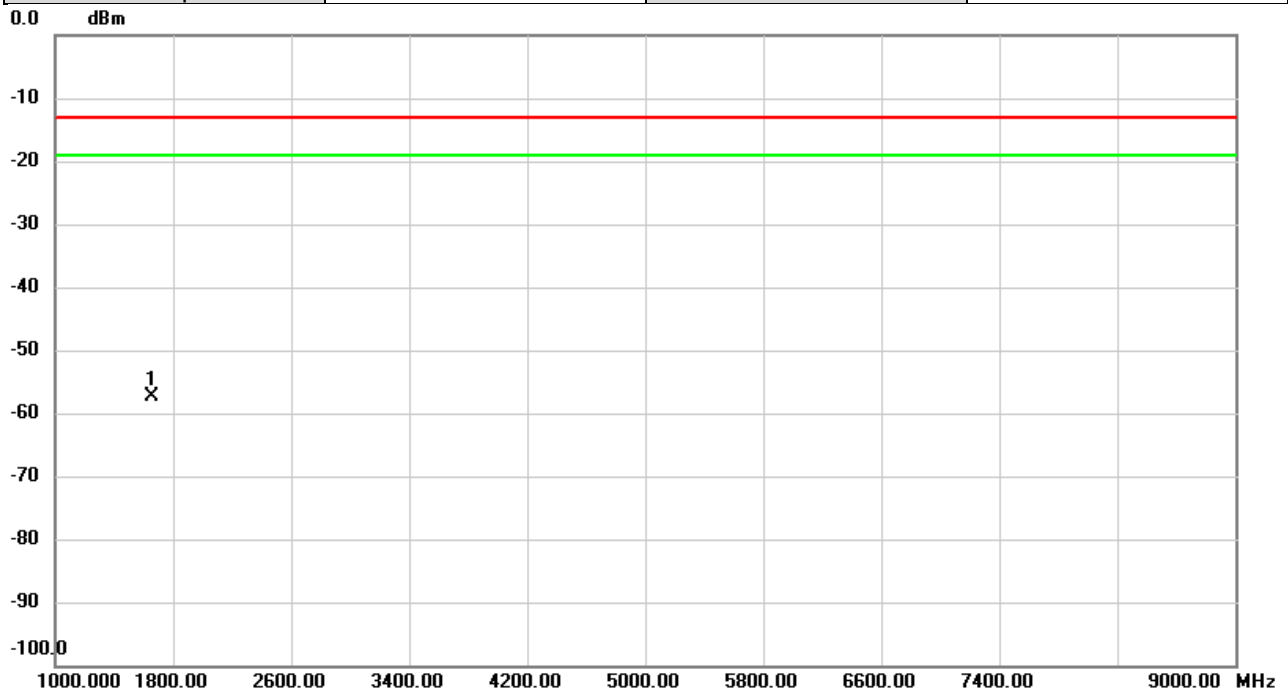


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1637.000	-62.44	5.37	-57.07	-13.00	-44.07	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/11/27
Test Channel	CH26915	Polarization	Vertical
Temp	21°C	Hum.	57%

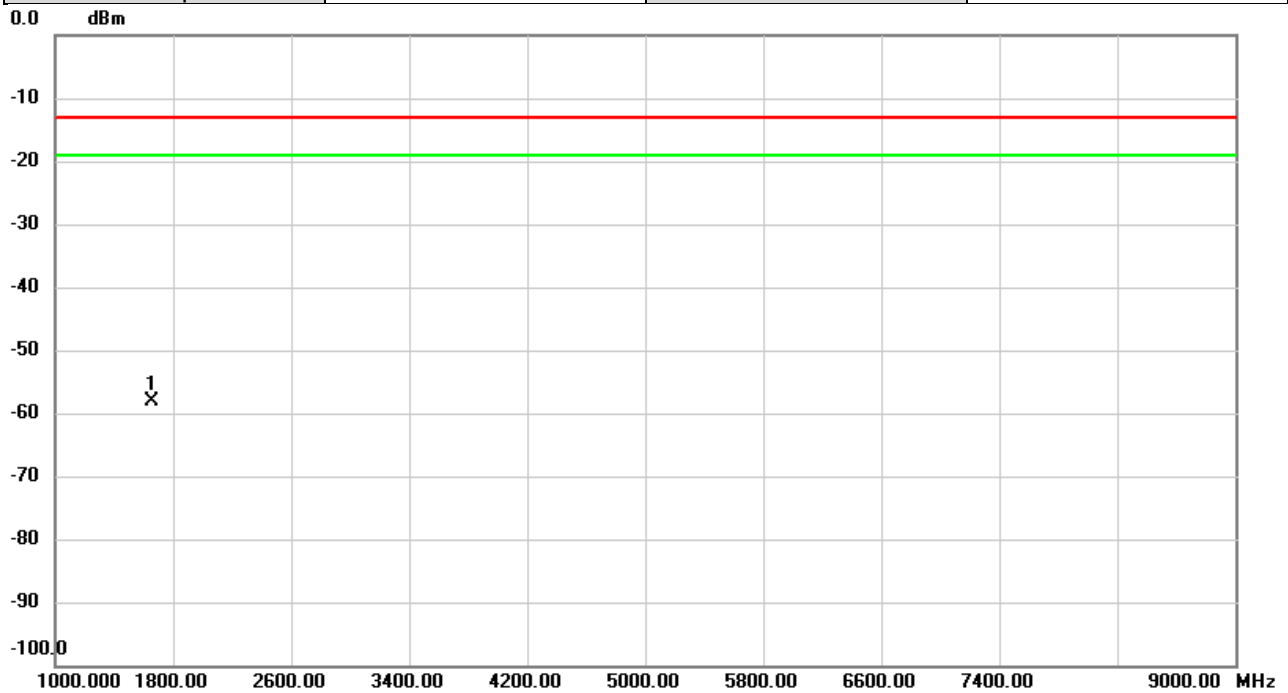


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1658.000	-62.99	5.63	-57.36	-13.00	-44.36	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/11/27
Test Channel	CH26915	Polarization	Horizontal
Temp	21°C	Hum.	57%

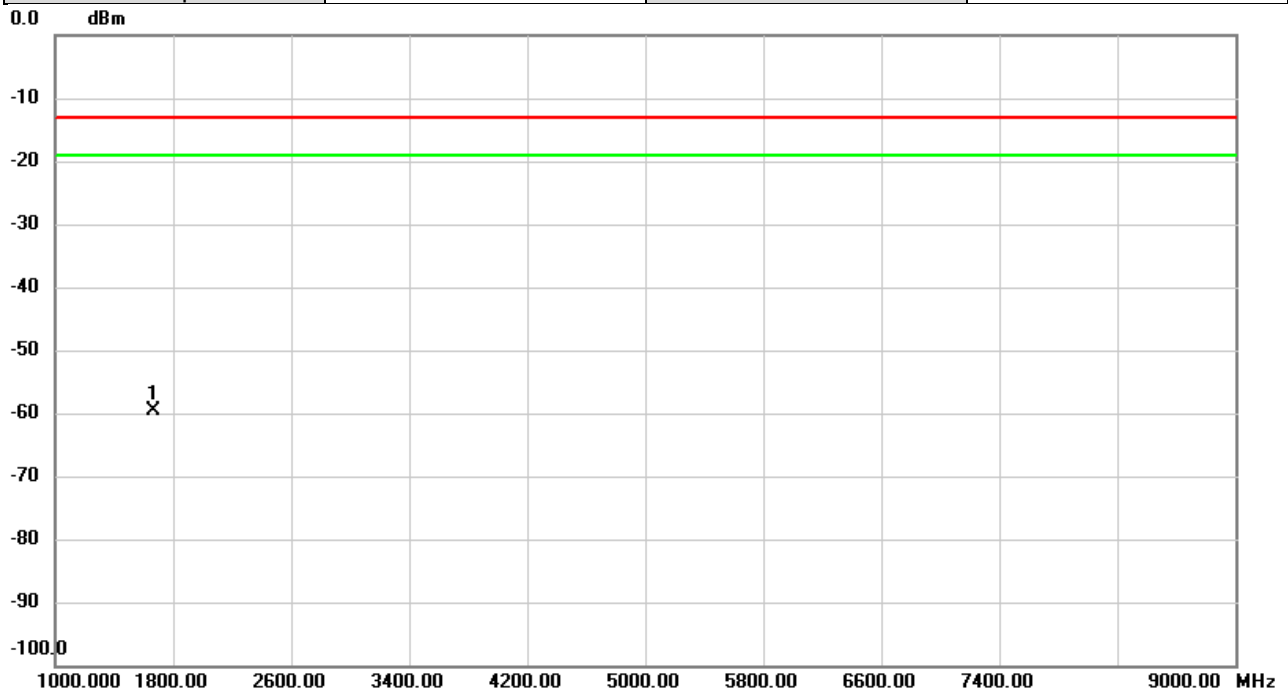


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1658.000	-63.57	5.54	-58.03	-13.00	-45.03	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/11/27
Test Channel	CH26965	Polarization	Vertical
Temp	21°C	Hum.	57%

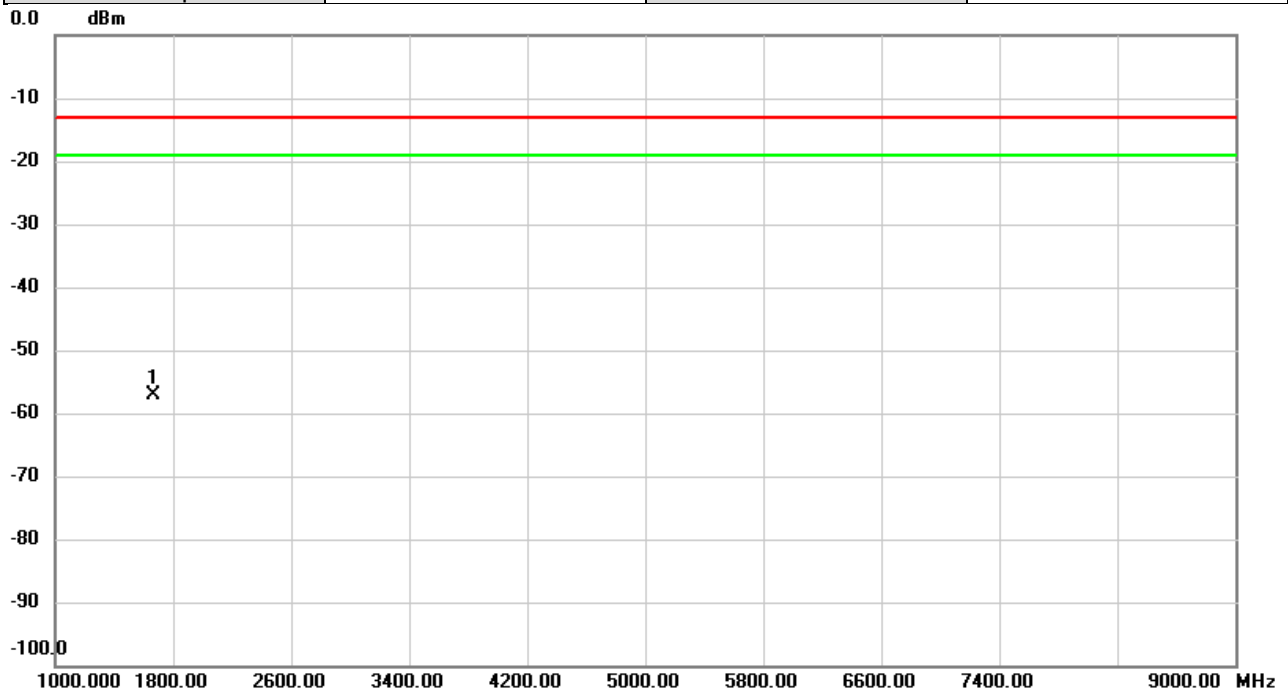


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1668.000	-65.14	5.64	-59.50	-13.00	-46.50	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/11/27
Test Channel	CH26965	Polarization	Horizontal
Temp	21°C	Hum.	57%

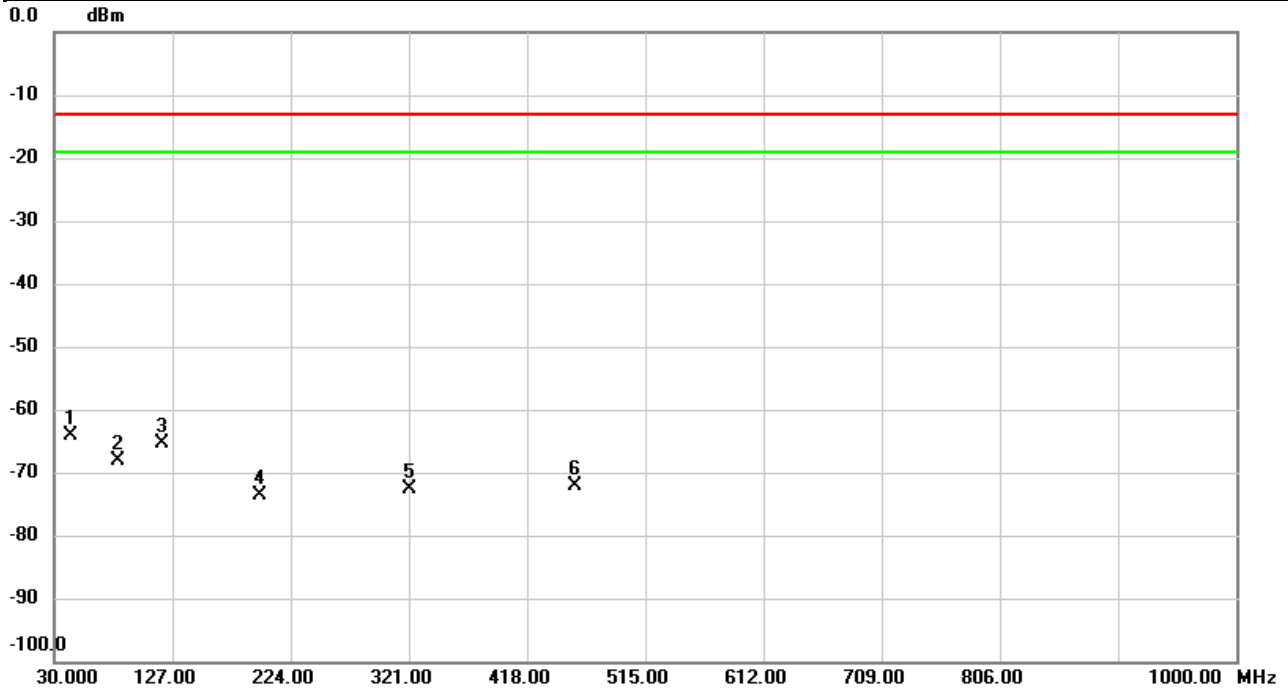


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1668.000	-62.75	5.56	-57.19	-13.00	-44.19	peak	

REMARKS:

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

Test Mode	LTE Band CA_5B	Test Date	2023/12/4
Test Channel	Low CH	Polarization	Vertical
Temp	22°C	Hum.	58%

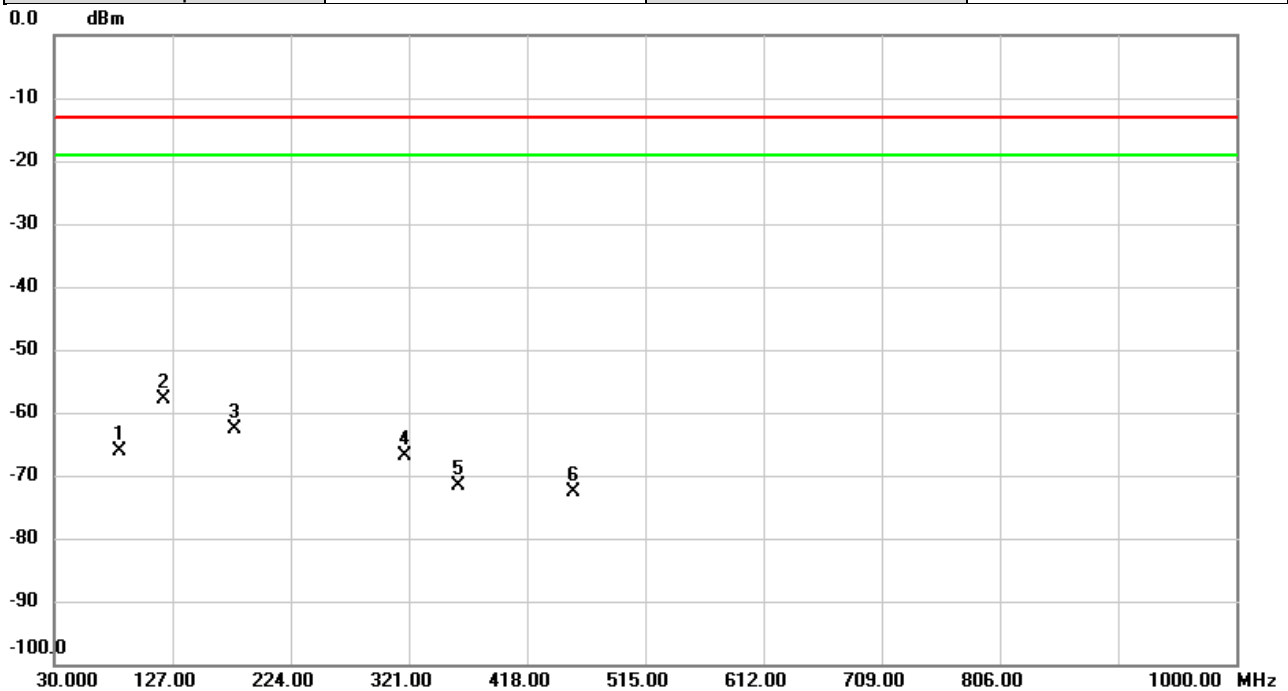


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	42.9657	-62.05	-2.15	-64.20	-13.00	-51.20	peak	
2		82.6386	-65.99	-2.15	-68.14	-13.00	-55.14	peak	
3		118.7873	-63.19	-2.15	-65.34	-13.00	-52.34	peak	
4		199.1356	-71.57	-2.15	-73.72	-13.00	-60.72	peak	
5		321.0323	-70.36	-2.15	-72.51	-13.00	-59.51	peak	
6		456.8000	-70.07	-2.15	-72.22	-13.00	-59.22	peak	

REMARKS:

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

Test Mode	LTE Band CA_5B	Test Date	2023/12/4
Test Channel	Low CH	Polarization	Horizontal
Temp	22°C	Hum.	58%



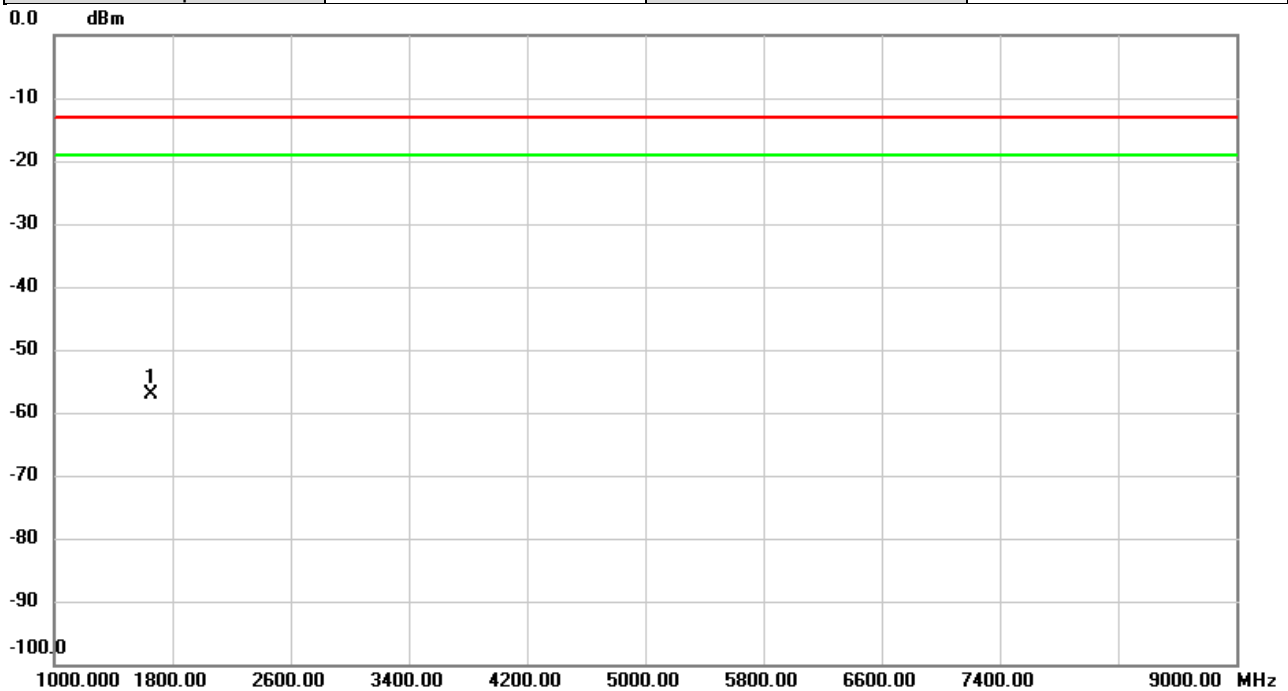
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		83.5117	-63.90	-2.15	-66.05	-13.00	-53.05	peak	
2	*	119.6280	-55.70	-2.15	-57.85	-13.00	-44.85	peak	
3		178.1190	-60.42	-2.15	-62.57	-13.00	-49.57	peak	
4		318.2840	-64.68	-2.15	-66.83	-13.00	-53.83	peak	
5		362.0633	-69.55	-2.15	-71.70	-13.00	-58.70	peak	
6		456.7353	-70.50	-2.15	-72.65	-13.00	-59.65	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	LTE Band CA_5B	Test Date	2023/12/1
Test Channel	Low CH	Polarization	Vertical
Temp	21°C	Hum.	57%

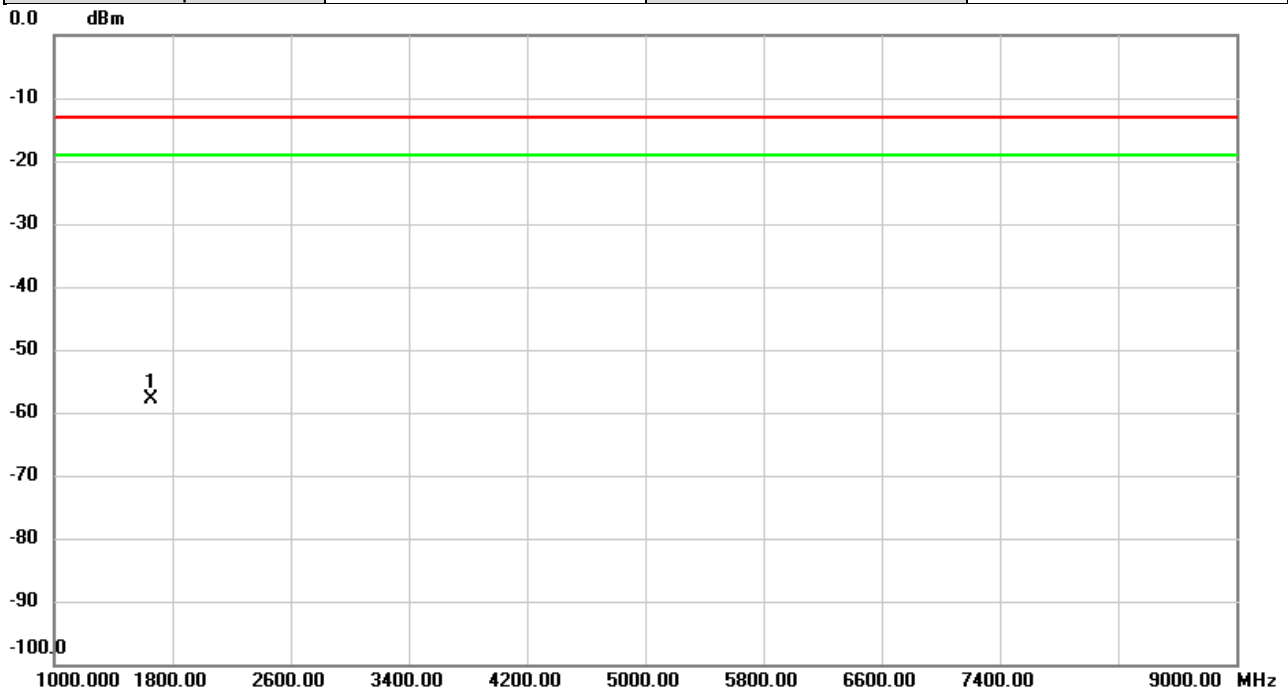


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1658.000	-62.83	5.63	-57.20	-13.00	-44.20	peak	

REMARKS:

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

Test Mode	LTE Band CA_5B	Test Date	2023/12/1
Test Channel	Low CH	Polarization	Horizontal
Temp	21°C	Hum.	57%

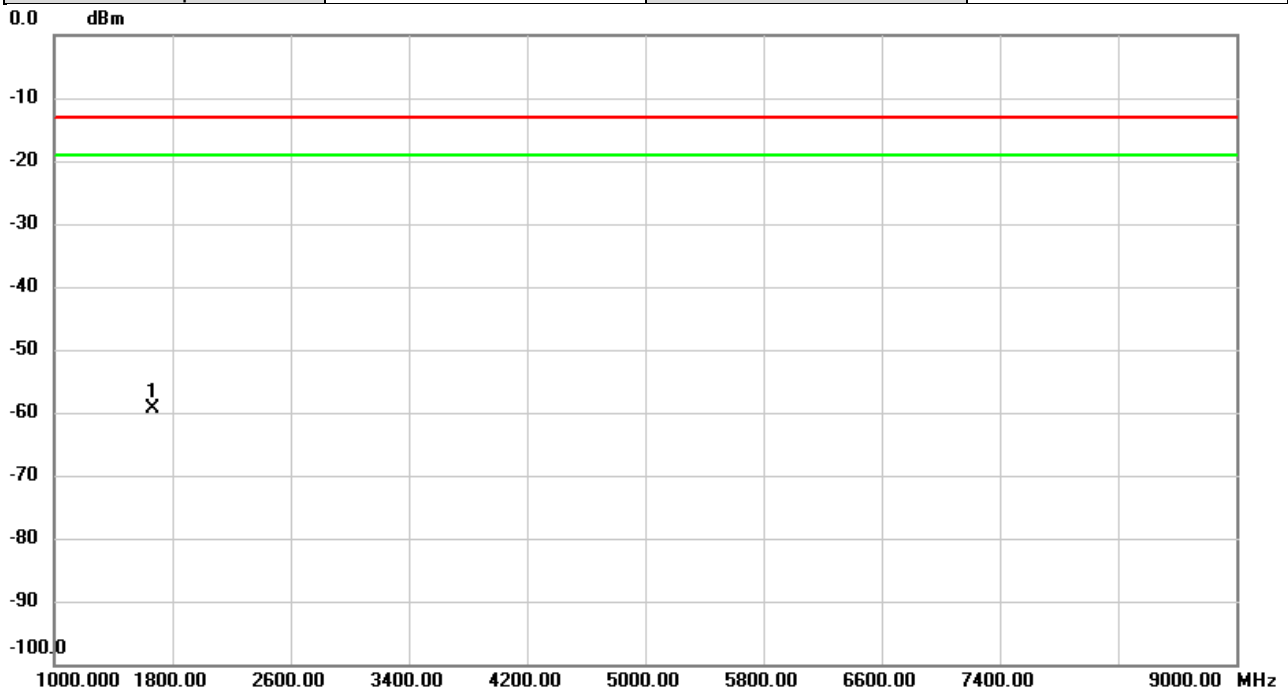


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1658.000	-63.41	5.54	-57.87	-13.00	-44.87	peak	

REMARKS:

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

Test Mode	LTE Band CA_5B	Test Date	2023/12/1
Test Channel	Middle CH	Polarization	Vertical
Temp	21°C	Hum.	57%

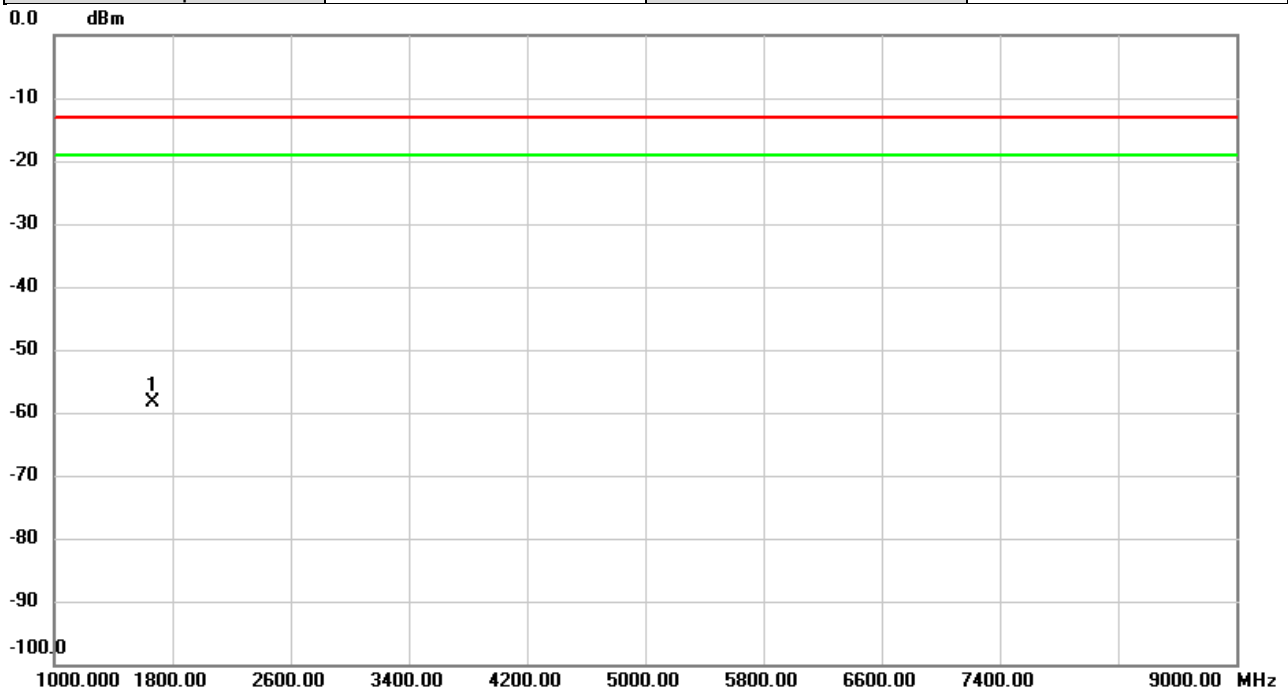


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1662.000	-64.96	5.63	-59.33	-13.00	-46.33	peak	

REMARKS:

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

Test Mode	LTE Band CA_5B	Test Date	2023/12/1
Test Channel	Middle CH	Polarization	Horizontal
Temp	21°C	Hum.	57%

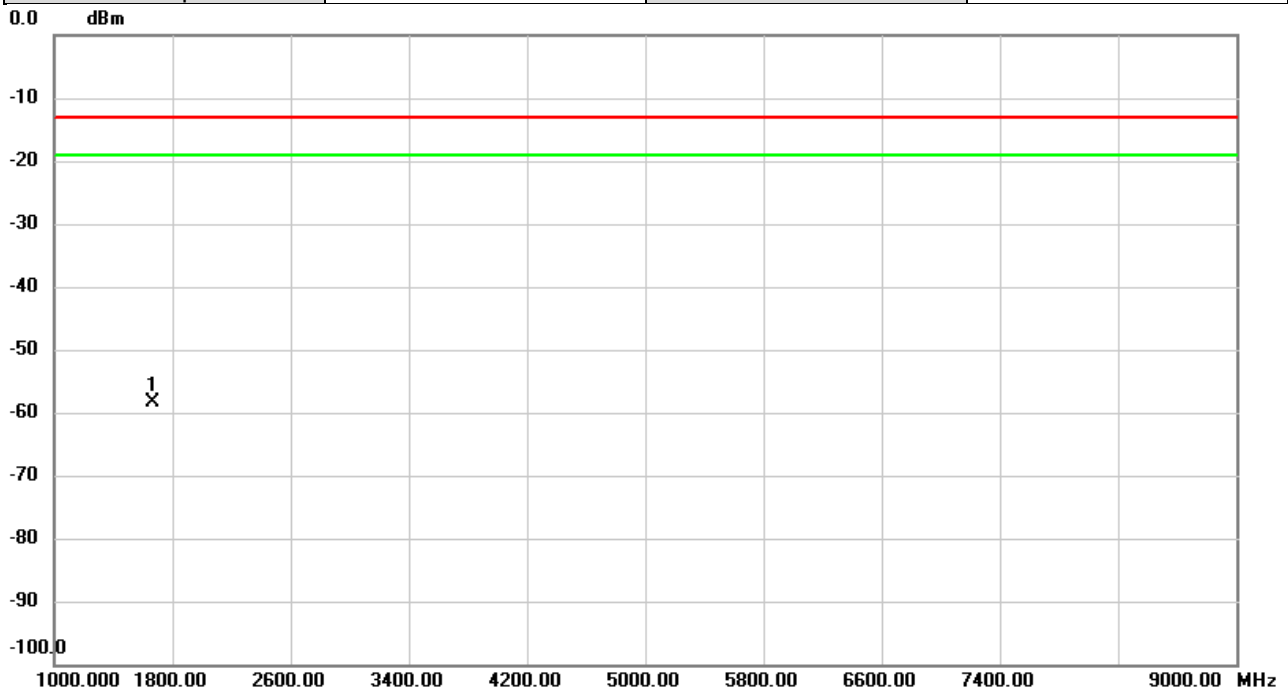


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1662.000	-64.02	5.55	-58.47	-13.00	-45.47	peak	

REMARKS:

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

Test Mode	LTE Band CA_5B	Test Date	2023/12/1
Test Channel	High CH	Polarization	Vertical
Temp	21°C	Hum.	57%

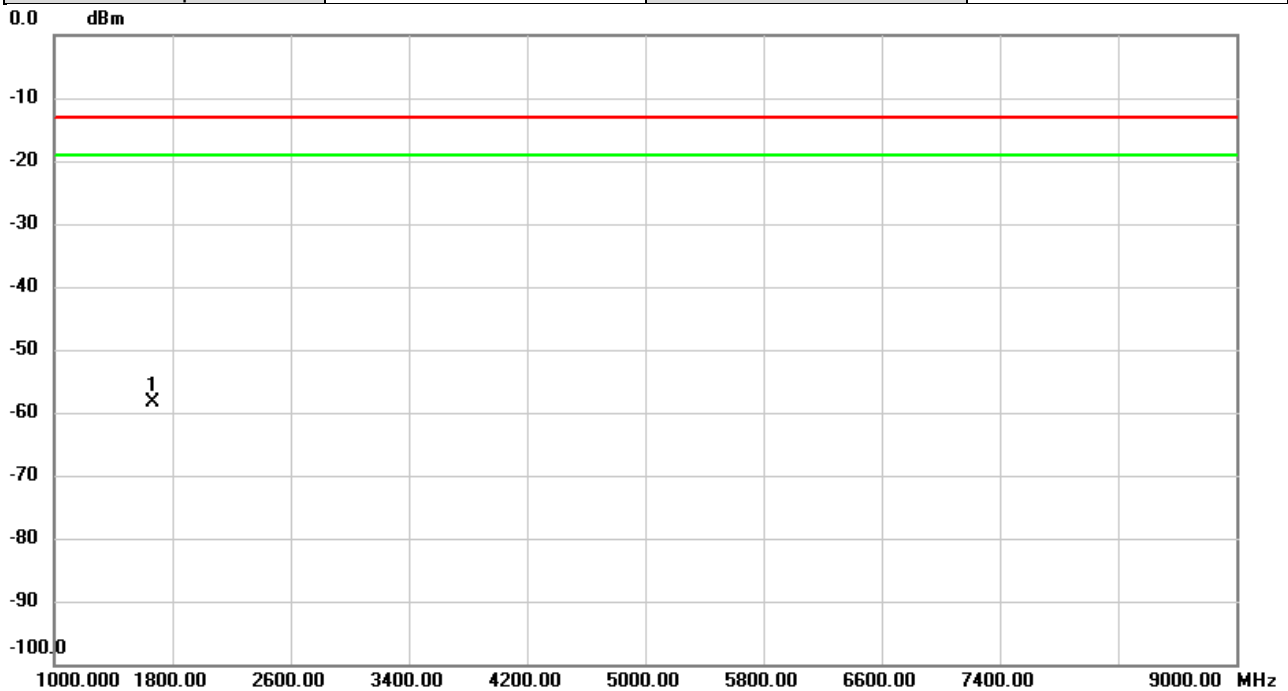


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1668.000	-63.89	5.64	-58.25	-13.00	-45.25	peak	

REMARKS:

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

Test Mode	LTE Band CA_5B	Test Date	2023/12/1
Test Channel	High CH	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	*	1668.000	-63.91	5.56	-58.35	-13.00	-45.35	peak	

REMARKS:

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

End of Test Report