

FCC Radio Test Report

FCC ID: XMR2023RM520NGLM

Report No. : BTL-FCCP-11-2511T179
Equipment : 5G Sub-6 GHz M.2 Module
Model Name : RM520N-GL
Brand Name : Quectel
Applicant : Quectel Wireless Solutions Company Limited
Address : No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai, China 201601

Radio Function : LTE Band 48

FCC Rule Part(s) : FCC CFR Title 47, Part 96

Date of Receipt : 2025/11/28

Date of Test : 2025/12/11 ~ 2026/1/28

Issued Date : 2026/3/26

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** assumes no responsibility for the data provided by the Customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by **BTL**.

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

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

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

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

Limitation

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

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

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-11-2511T179	R00	Original Report.	2026/3/12	Invalid
BTL-FCCP-11-2511T179	R01	Revised report to address TCB's comments.	2026/3/26	Valid

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
2.1046 96.41	Equivalent Isotropic Radiated Power	APPENDIX A	Pass	-----
2.1053 96.41	Radiated Spurious Emissions	APPENDIX B	Pass	-----

Statement of Conformity

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

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.
- (3) This test report is issued for the RF module (FCCID: XMR2023RM520NGLM) to be incorporated to the host device (Model number: TP00160D), 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 RN: 674415) (FCC DN: TW0659)

☐ C05 ☒ SR10 ☐ SR11

No. 72, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC RN: 674415) (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 %**.

A. Radiated emissions test :

Test Site	Measurement Frequency Range (GHz)	U (dB)
CB21 (3m)	0.03~0.2	4.35
	0.2~1	4.78
	1 ~ 6	5.45
	6 ~ 18	5.04
	18 ~ 26	4.03
	26 ~ 40	4.33

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
Equivalent Isotropic Radiated Power	24.8 °C, 57 %	AC 120V	Easton Tsai
Radiated Spurious Emissions	Refer to data	AC 120V	Emily Chang

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	TP00160D			
Brand Name	Lenovo			
Model Difference	N/A			
Power Source	DC voltage supplied from External Power Supply. (Lenovo / ADLX65YGSLT3A)			
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® / BE201D2W			
WWAN Module	Quectel / RM520N-GL Quectel / EM061K-GL			
Operation Frequency	Band	UL Frequency (MHz)		DL Frequency (MHz)
	LTE 48	3550 ~ 3700		-
Maximum EIRP	Band	BW (MHz)	Mode	Power (W)
	LTE 48	5	QPSK	0.122
			16QAM	0.098
			64QAM	0.077
			256QAM	0.039
		10	QPSK	0.124
			16QAM	0.100
			64QAM	0.079
			256QAM	0.039
		15	QPSK	0.124
			16QAM	0.101
			64QAM	0.079
			256QAM	0.040
		20	QPSK	0.125
			16QAM	0.101
			64QAM	0.080
			256QAM	0.040
	LTE CA_48C	5+20	QPSK	0.130
			16QAM	0.121
			64QAM	0.097
			256QAM	0.050
		10+20	QPSK	0.130
			16QAM	0.121
			64QAM	0.098
			256QAM	0.051

Maximum EIRP	LTE CA_48C	15+20	QPSK	0.124
			16QAM	0.115
			64QAM	0.094
			256QAM	0.048
		20+5	QPSK	0.117
			16QAM	0.110
			64QAM	0.084
			256QAM	0.044
		20+10	QPSK	0.109
			16QAM	0.100
			64QAM	0.082
			256QAM	0.042
		20+15	QPSK	0.121
			16QAM	0.112
			64QAM	0.090
			256QAM	0.047
20+20	QPSK	0.126		
	16QAM	0.115		
	64QAM	0.093		
	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	DC330022C00	PIFA	I-PEX	0.83	LTE Band 48
MIMO2	Luxshare-ICT	DC330022D00	PIFA	I-PEX	0.22	LTE Band 48

Antenna	Manufacture	Parts Number	Type	Connector	Gain (dBi)	Note
Main	SPEEDWIRE	DC330022J10	PIFA	I-PEX	0.83	LTE Band 48
MIMO2	SPEEDWIRE	DC330022J20	PIFA	I-PEX	0.22	LTE Band 48

Note: The MIMO 2 antenna was used for testing.

(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

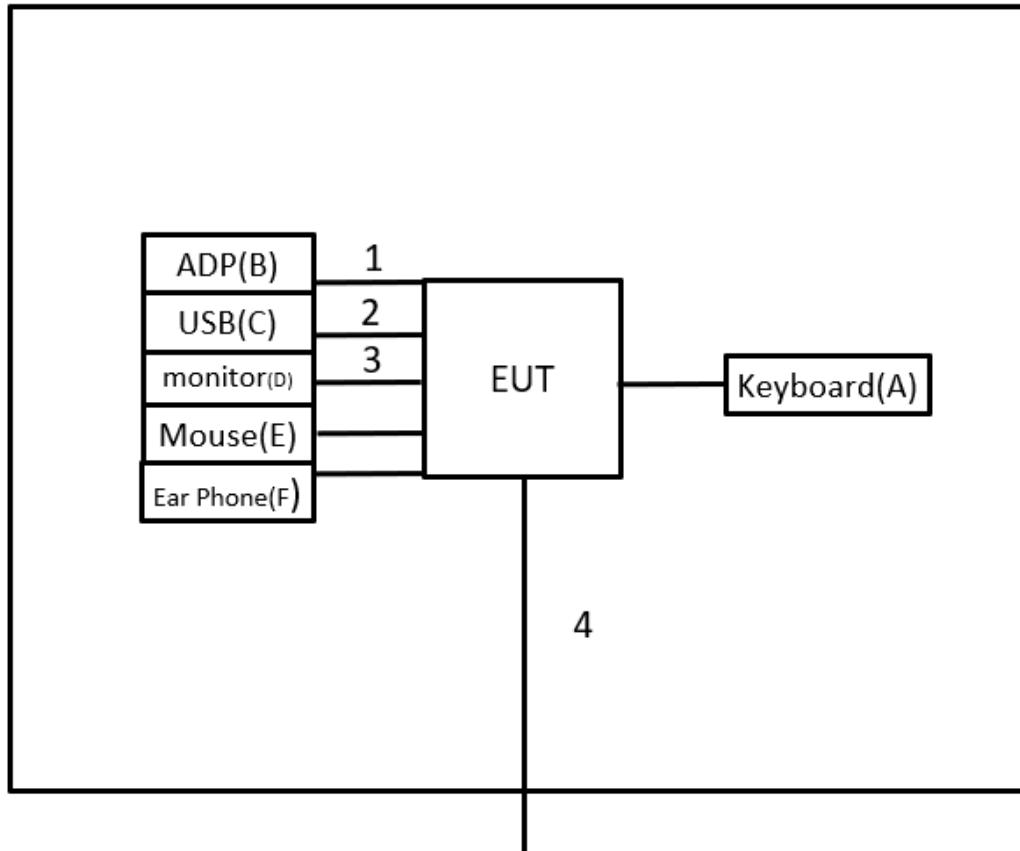
Test Items	Band	Test Mode	Note
Equivalent Isotropic Radiated Power	LTE Band 48	Refer to APPENDIX A	-
	LTE Band CA_48C		
Radiated Spurious Emissions (Below 1G)	LTE Band 48	Refer to APPENDIX B	-
	LTE Band CA_48C		
Radiated Spurious Emissions (Above 1G)	LTE Band 48	Refer to APPENDIX B	-
	LTE Band CA_48C		
Radiated Spurious Emissions (Above 18G)	LTE Band 48	Refer to APPENDIX B	-
	LTE Band CA_48C		

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	Keyboard	Bloody	KB-8	N/A	Furnished by test lab.
B	ADP	Lenovo	ADLX65YGSLT3A	N/A	Supplied by test requester.
C	USB	ADATA	UV150	N/A	Furnished by test lab.
D	27" 4K Monitor	DELL	P2415Q	N/A	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.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	1m	Power Cord	Supplied by test requester.
2	N/A	N/A	0.1m	USB-C to USB 3.0 CABLE	Furnished by test lab.
3	N/A	N/A	1.8m	HDMI	Furnished by test lab.
4	N/A	N/A	20m	RJ45 Cable	Furnished by test lab.

3 EQUIVALENT ISOTROPIC RADIATED POWER MEASUREMENT

3.1 LIMIT

EIRP for CBRS equipment as below table:

Device	Maximum EIRP (dBm/10 MHz)
End User Device	23
Category A CBSD	30
Category B CBSD	47

3.2 TEST PROCEDURE

The testing follows FCC KDB 971168 v03r01 Section 5.8.

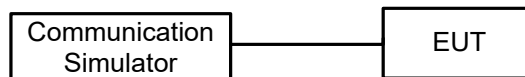
- Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 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 measurements of emission power can be expressed in peak or average values, provided they are expressed in the same parameters as the transmitter power.
- (2) 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

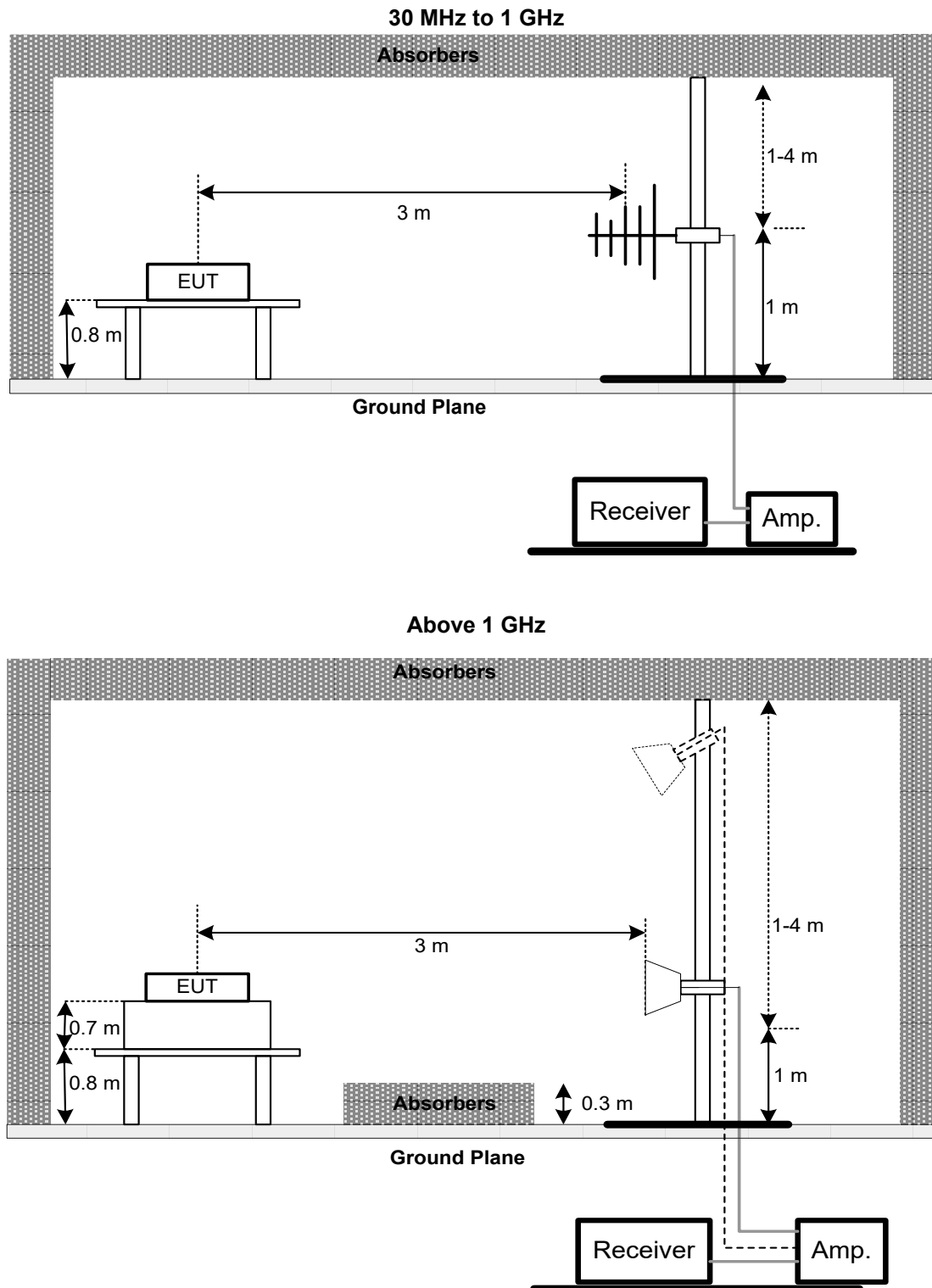
The testing follows FCC KDB 971168 v03r01 Section 6.2.

- 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

Equivalent Isotropic Radiated Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	WIRELESS COMMUNICATION TEST SET	Agilent	E5515C	GB47390193	2025/7/2	2026/7/1
2	Radio Communication Analyzer	ANRITSU	MT8820C	6201465366	2025/7/24	2026/7/23
3	Radio Communication Test Station	ANRITSU	MT8821C	6262044728	2025/11/21	2026/11/20
4	Radio Communication Analyzer	ANRITSU	MT8000A	6262036844	2025/11/25	2026/11/24

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC330N	980850	2025/9/3	2026/9/2
2	Preamplifier	EMCI	EMC118A45SE	980819	2025/3/5	2026/3/4
3	Pre-Amplifier	EMCI	EMC184045SE	980907	2025/9/3	2026/9/2
4	Preamplifier	EMCI	EMC001340	980579	2025/9/3	2026/9/2
5	Test Cable	EMCI	EMC104-SM-1000	180809	2025/3/5	2026/3/4
6	Test Cable	EMCI	EMC104-SM-SM-3000	220322	2025/3/5	2026/3/4
7	Test Cable	EMCI	EMC105-SM-SM-8000	220422	2025/10/15	2026/10/14
8	EXA Signal Analyzer	keysight	N9020B	MY57120120	2025/2/19	2026/2/18
9	Loop Ant	Electro-Metrics	EMCI-LPA600	291	2025/9/1	2026/8/31
10	Horn Antenna	RFSPIN	DRH18-E	211202A18EN	2025/5/9	2026/5/8
11	Horn Ant	Schwarzbeck	BBHA 9170D	1136	2025/5/15	2026/5/14
12	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2025/7/4	2026/7/3
13	6dB Attenuator	EMCI	EMCI-N-6-06	AT-06001	2025/7/4	2026/7/3
14	Test Cable	EMCI	EMC101G-KM-KM-3000	220329	2025/3/12	2026/3/11
15	Test Cable	EMCI	EMC102-KM-KM-1000	220327	2025/3/12	2026/3/11
16	Measurement Software	EZ	EZ EMC (Version NB-03A1-01)	N/A	N/A	N/A
17	Radio Communication Analyzer	Keysight	E7515B	MY59020217	2025/7/8	2026/7/7
18	Wideband Radio Communication Tester	R&S	CMW500	154121	2025/6/25	2026/6/24

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-2511T179-FCCP-1 (APPENDIX-TEST PHOTOS).

7 EUT PHOTOS

Please refer to document Appendix No.: EP-2511T179-1 (APPENDIX-EUT PHOTOS).

APPENDIX A EQUIVALENT ISOTROPIC RADIATED POWER

LTE Band 48 Power:

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
48	5	55265	3552.5	QPSK	1	0	0	20.44	20.66	0.116
					1	12	0	20.35	20.57	0.114
					1	24	0	20.49	20.71	0.118
					25	0	1	19.15	19.37	0.086
				16QAM	1	0	1	19.66	19.88	0.097
					1	12	1	19.52	19.74	0.094
					1	24	1	19.66	19.88	0.097
					25	0	2	18.32	18.54	0.071
				64QAM	1	0	2	18.52	18.74	0.075
					1	12	2	18.66	18.88	0.077
					1	24	2	18.66	18.88	0.077
					25	0	3	17.14	17.36	0.054
				256QAM	1	0	4	15.57	15.79	0.038
					1	12	4	15.47	15.69	0.037
					1	24	4	15.51	15.73	0.037
					25	0	5	15.21	15.43	0.035
		55990	3625.0	QPSK	1	0	0	20.66	20.88	0.122
					1	12	0	20.61	20.83	0.121
					1	24	0	20.31	20.53	0.113
					25	0	1	19.29	19.51	0.089
				16QAM	1	0	1	19.52	19.74	0.094
					1	12	1	19.49	19.71	0.094
					1	24	1	19.68	19.90	0.098
					25	0	2	18.46	18.68	0.074
				64QAM	1	0	2	18.64	18.86	0.077
					1	12	2	18.59	18.81	0.076
					1	24	2	18.63	18.85	0.077
					25	0	3	17.36	17.58	0.057
				256QAM	1	0	4	15.64	15.86	0.039
					1	12	4	15.67	15.89	0.039
					1	24	4	15.67	15.89	0.039
					25	0	5	15.35	15.57	0.036
		56715	3697.5	QPSK	1	0	0	20.14	20.36	0.109
					1	12	0	20.12	20.34	0.108
					1	24	0	20.24	20.46	0.111
					25	0	1	18.92	19.14	0.082
				16QAM	1	0	1	18.98	19.20	0.083
					1	12	1	19.10	19.32	0.086
					1	24	1	19.06	19.28	0.085
					25	0	2	17.91	18.13	0.065
				64QAM	1	0	2	17.97	18.19	0.066
					1	12	2	18.06	18.28	0.067
					1	24	2	17.96	18.18	0.066
					25	0	3	16.77	16.99	0.050
				256QAM	1	0	4	14.98	15.20	0.033
					1	12	4	15.13	15.35	0.034
					1	24	4	15.26	15.48	0.035
					25	0	5	14.87	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)	EIRP power (dBm)	EIRP power (W)
48	10	55290	3555.0	QPSK	1	0	0	20.53	20.75	0.119
					1	24	0	20.43	20.65	0.116
					1	49	0	20.51	20.73	0.118
					50	0	1	19.21	19.43	0.088
				16QAM	1	0	1	19.70	19.92	0.098
					1	24	1	19.61	19.83	0.096
					1	49	1	19.68	19.90	0.098
					50	0	2	18.37	18.59	0.072
				64QAM	1	0	2	18.55	18.77	0.075
					1	24	2	18.71	18.93	0.078
					1	49	2	18.73	18.95	0.079
					50	0	3	17.19	17.41	0.055
				256QAM	1	0	4	15.64	15.86	0.039
					1	24	4	15.56	15.78	0.038
					1	49	4	15.60	15.82	0.038
					50	0	5	15.26	15.48	0.035
		55990	3625.0	QPSK	1	0	0	20.70	20.92	0.124
					1	24	0	20.62	20.84	0.121
					1	49	0	20.39	20.61	0.115
					50	0	1	19.35	19.57	0.091
				16QAM	1	0	1	19.56	19.78	0.095
					1	24	1	19.57	19.79	0.095
					1	49	1	19.76	19.98	0.100
					50	0	2	18.48	18.70	0.074
				64QAM	1	0	2	18.67	18.89	0.077
					1	24	2	18.66	18.88	0.077
					1	49	2	18.67	18.89	0.077
					50	0	3	17.41	17.63	0.058
				256QAM	1	0	4	15.69	15.91	0.039
					1	24	4	15.70	15.92	0.039
					1	49	4	15.73	15.95	0.039
					50	0	5	15.43	15.65	0.037
		56690	3695.0	QPSK	1	0	0	20.18	20.40	0.110
					1	24	0	20.17	20.39	0.109
					1	49	0	20.30	20.52	0.113
					50	0	1	18.96	19.18	0.083
				16QAM	1	0	1	19.05	19.27	0.085
					1	24	1	19.14	19.36	0.086
					1	49	1	19.10	19.32	0.086
					50	0	2	17.92	18.14	0.065
				64QAM	1	0	2	18.06	18.28	0.067
					1	24	2	18.08	18.30	0.068
					1	49	2	18.02	18.24	0.067
					50	0	3	16.80	17.02	0.050
				256QAM	1	0	4	15.03	15.25	0.033
					1	24	4	15.18	15.40	0.035
					1	49	4	15.27	15.49	0.035
					50	0	5	14.88	15.10	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)	EIRP power (dBm)	EIRP power (W)
48	15	55315	3557.5	QPSK	1	0	0	20.60	20.82	0.121
					1	38	0	20.44	20.66	0.116
					1	74	0	20.55	20.77	0.119
					75	0	1	19.27	19.49	0.089
				16QAM	1	0	1	19.74	19.96	0.099
					1	38	1	19.65	19.87	0.097
					1	74	1	19.70	19.92	0.098
					75	0	2	18.43	18.65	0.073
				64QAM	1	0	2	18.62	18.84	0.077
					1	38	2	18.76	18.98	0.079
					1	74	2	18.77	18.99	0.079
					75	0	3	17.22	17.44	0.055
				256QAM	1	0	4	15.71	15.93	0.039
					1	38	4	15.62	15.84	0.038
					1	74	4	15.67	15.89	0.039
					75	0	5	15.34	15.56	0.036
		55990	3625.0	QPSK	1	0	0	20.72	20.94	0.124
					1	38	0	20.69	20.91	0.123
					1	74	0	20.46	20.68	0.117
					75	0	1	19.42	19.64	0.092
				16QAM	1	0	1	19.60	19.82	0.096
					1	38	1	19.65	19.87	0.097
					1	74	1	19.81	20.03	0.101
					75	0	2	18.53	18.75	0.075
				64QAM	1	0	2	18.75	18.97	0.079
					1	38	2	18.68	18.90	0.078
					1	74	2	18.71	18.93	0.078
					75	0	3	17.48	17.70	0.059
				256QAM	1	0	4	15.72	15.94	0.039
					1	38	4	15.74	15.96	0.039
					1	74	4	15.76	15.98	0.040
					75	0	5	15.52	15.74	0.037
		56665	3692.5	QPSK	1	0	0	20.24	20.46	0.111
					1	38	0	20.21	20.43	0.110
					1	74	0	20.38	20.60	0.115
					75	0	1	18.98	19.20	0.083
				16QAM	1	0	1	19.09	19.31	0.085
					1	38	1	19.21	19.43	0.088
					1	74	1	19.15	19.37	0.086
					75	0	2	18.00	18.22	0.066
				64QAM	1	0	2	18.11	18.33	0.068
					1	38	2	18.12	18.34	0.068
					1	74	2	18.07	18.29	0.067
					75	0	3	16.86	17.08	0.051
				256QAM	1	0	4	15.07	15.29	0.034
					1	38	4	15.22	15.44	0.035
					1	74	4	15.34	15.56	0.036
					75	0	5	14.91	15.13	0.033

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
48	20	55340	3560.0	QPSK	1	0	0	20.61	20.83	0.121
					1	49	0	20.52	20.74	0.119
					1	99	0	20.56	20.78	0.120
					100	0	1	19.36	19.58	0.091
				16QAM	1	0	1	19.80	20.02	0.100
					1	49	1	19.67	19.89	0.097
					1	99	1	19.75	19.97	0.099
					100	0	2	18.44	18.66	0.073
				64QAM	1	0	2	18.64	18.86	0.077
					1	49	2	18.81	19.03	0.080
					1	99	2	18.83	19.05	0.080
					100	0	3	17.25	17.47	0.056
				256QAM	1	0	4	15.74	15.96	0.039
					1	49	4	15.64	15.86	0.039
					1	99	4	15.70	15.92	0.039
					100	0	5	15.43	15.65	0.037
		55990	3625.0	QPSK	1	0	0	20.76	20.98	0.125
					1	49	0	20.72	20.94	0.124
					1	99	0	20.52	20.74	0.119
					100	0	1	19.48	19.70	0.093
				16QAM	1	0	1	19.66	19.88	0.097
					1	49	1	19.73	19.95	0.099
					1	99	1	19.82	20.04	0.101
					100	0	2	18.54	18.76	0.075
				64QAM	1	0	2	18.83	19.05	0.080
					1	49	2	18.72	18.94	0.078
					1	99	2	18.77	18.99	0.079
					100	0	3	17.55	17.77	0.060
				256QAM	1	0	4	15.79	16.01	0.040
					1	49	4	15.76	15.98	0.040
					1	99	4	15.81	16.03	0.040
					100	0	5	15.59	15.81	0.038
		56640	3690.0	QPSK	1	0	0	20.27	20.49	0.112
					1	49	0	20.23	20.45	0.111
					1	99	0	20.45	20.67	0.117
					100	0	1	19.01	19.23	0.084
				16QAM	1	0	1	19.10	19.32	0.086
					1	49	1	19.25	19.47	0.089
					1	99	1	19.17	19.39	0.087
					100	0	2	18.04	18.26	0.067
				64QAM	1	0	2	18.15	18.37	0.069
					1	49	2	18.20	18.42	0.070
					1	99	2	18.10	18.32	0.068
					100	0	3	16.91	17.13	0.052
				256QAM	1	0	4	15.11	15.33	0.034
					1	49	4	15.26	15.48	0.035
					1	99	4	15.43	15.65	0.037
					100	0	5	14.97	15.19	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 CA 48C Power:

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)	EIRP power (dBm)	EIRP power (W)
Band 48+48	5+20	55273 55390	3553.3 3565.0	QPSK	1	0	0	0	1	19.76	19.98	0.100
					25	0	100	0	2	18.85	19.07	0.081
				16QAM	1	0	0	0	1.5	19.40	19.62	0.092
					25	0	100	0	3	17.81	18.03	0.064
				64QAM	1	0	0	0	2	18.26	18.48	0.070
					25	0	100	0	2	17.75	17.97	0.063
				256QAM	1	0	0	0	6	14.95	15.17	0.033
					25	0	100	0	6	15.49	15.71	0.037
		55898 56015	3615.8 3633.5	QPSK	1	0	0	0	1	20.91	21.13	0.130
					25	0	100	0	2	19.81	20.03	0.101
				16QAM	1	0	0	0	1.5	20.61	20.83	0.121
					25	0	100	0	3	18.98	19.20	0.083
				64QAM	1	0	0	0	2	19.65	19.87	0.097
					25	0	100	0	2	18.82	19.04	0.080
				256QAM	1	0	0	0	6	16.33	16.55	0.045
					25	0	100	0	6	16.80	17.02	0.050
		56523 56640	3678.3 3690.0	QPSK	1	0	0	0	1	19.84	20.06	0.101
					25	0	100	0	2	18.25	18.47	0.070
				16QAM	1	0	0	0	1.5	19.53	19.75	0.094
					25	0	100	0	3	17.25	17.47	0.056
				64QAM	1	0	0	0	2	18.36	18.58	0.072
					25	0	100	0	2	17.41	17.63	0.058
				256QAM	1	0	0	0	6	15.03	15.25	0.033
					25	0	100	0	6	15.29	15.51	0.036
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)	EIRP power (dBm)	EIRP power (W)
Band 48+48	10+20	55295 55439	3555.5 3569.9	QPSK	1	0	0	0	1	20.34	20.56	0.114
					50	0	100	0	2	19.36	19.58	0.091
				16QAM	1	0	0	0	1.5	20.04	20.26	0.106
					50	0	100	0	3	18.39	18.61	0.073
				64QAM	1	0	0	0	2	18.93	19.15	0.082
					50	0	100	0	2	18.25	18.47	0.070
				256QAM	1	0	0	0	6	15.54	15.76	0.038
					50	0	100	0	6	16.12	16.34	0.043
		55896 56040	3615.6 3630.0	QPSK	1	0	0	0	1	20.93	21.15	0.130
					50	0	100	0	2	19.78	20.00	0.100
				16QAM	1	0	0	0	1.5	20.62	20.84	0.121
					50	0	100	0	3	18.93	19.15	0.082
				64QAM	1	0	0	0	2	19.70	19.92	0.098
					50	0	100	0	2	18.89	19.11	0.081
				256QAM	1	0	0	0	6	16.38	16.60	0.046
					50	0	100	0	6	16.82	17.04	0.051
		56496 56640	3675.6 3690.0	QPSK	1	0	0	0	1	19.92	20.14	0.103
					50	0	100	0	2	18.25	18.47	0.070
				16QAM	1	0	0	0	1.5	19.63	19.85	0.097
					50	0	100	0	3	17.28	17.50	0.056
				64QAM	1	0	0	0	2	18.14	18.36	0.069
					50	0	100	0	2	17.47	17.69	0.059
				256QAM	1	0	0	0	6	15.06	15.28	0.034
					50	0	100	0	6	15.35	15.57	0.036

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)	EIRP power (dBm)	EIRP power (W)
Band 48+48	15+20	55318 55489	3557.8 3574.9	QPSK	1	0	0	0	1	20.35	20.57	0.114
					75	0	100	0	2	19.36	19.58	0.091
				16QAM	1	0	0	0	1.5	20.05	20.27	0.106
					75	0	100	0	3	18.35	18.57	0.072
				64QAM	1	0	0	0	2	18.89	19.11	0.081
					75	0	100	0	2	18.31	18.53	0.071
				256QAM	1	0	0	0	6	15.55	15.77	0.038
					75	0	100	0	6	16.06	16.28	0.042
		55893 56064	3615.3 3632.4	QPSK	1	0	0	0	1	20.73	20.95	0.124
					75	0	100	0	2	19.61	19.83	0.096
				16QAM	1	0	0	0	1.5	20.38	20.60	0.115
					75	0	100	0	3	18.75	18.97	0.079
				64QAM	1	0	0	0	2	19.52	19.74	0.094
					75	0	100	0	2	18.69	18.91	0.078
				256QAM	1	0	0	0	6	16.14	16.36	0.043
					75	0	100	0	6	16.57	16.79	0.048
		56469 56640	3672.9 3690.0	QPSK	1	0	0	0	1	19.92	20.14	0.103
					75	0	100	0	2	18.28	18.50	0.071
				16QAM	1	0	0	0	1.5	19.55	19.77	0.095
					75	0	100	0	3	17.25	17.47	0.056
				64QAM	1	0	0	0	2	18.19	18.41	0.069
					75	0	100	0	2	17.45	17.67	0.058
				256QAM	1	0	0	0	6	15.08	15.30	0.034
					75	0	100	0	6	15.38	15.60	0.036
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)	EIRP power (dBm)	EIRP power (W)
Band 48+48	20+5	55340 55457	3560.0 3571.7	QPSK	1	0	0	0	1	20.47	20.69	0.117
					100	0	25	0	2	19.54	19.76	0.095
				16QAM	1	0	0	0	1.5	20.19	20.41	0.110
					100	0	25	0	3	18.51	18.73	0.075
				64QAM	1	0	0	0	2	19.00	19.22	0.084
					100	0	25	0	2	18.39	18.61	0.073
				256QAM	1	0	0	0	6	15.66	15.88	0.039
					100	0	25	0	6	16.25	16.47	0.044
		55965 56082	3622.5 3634.2	QPSK	1	0	0	0	1	20.10	20.32	0.108
					100	0	25	0	2	18.97	19.19	0.083
				16QAM	1	0	0	0	1.5	19.82	20.04	0.101
					100	0	25	0	3	18.17	18.39	0.069
				64QAM	1	0	0	0	2	18.87	19.09	0.081
					100	0	25	0	2	18.02	18.24	0.067
				256QAM	1	0	0	0	6	15.54	15.76	0.038
					100	0	25	0	6	15.98	16.20	0.042
		56590 56707	3685.0 3696.7	QPSK	1	0	0	0	1	19.93	20.15	0.104
					100	0	25	0	2	18.29	18.51	0.071
				16QAM	1	0	0	0	1.5	19.58	19.80	0.095
					100	0	25	0	3	17.35	17.57	0.057
				64QAM	1	0	0	0	2	18.13	18.35	0.068
					100	0	25	0	2	17.46	17.68	0.059
				256QAM	1	0	0	0	6	15.10	15.32	0.034
					100	0	25	0	6	15.38	15.60	0.036

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)	EIRP power (dBm)	EIRP power (W)
Band 48+48	20+10	55340 55484	3560.0 3574.4	QPSK	1	0	0	0	1	19.94	20.16	0.104
					100	0	50	0	2	18.96	19.18	0.083
				16QAM	1	0	0	0	1.5	19.65	19.87	0.097
					100	0	50	0	3	18.00	18.22	0.066
				64QAM	1	0	0	0	2	18.47	18.69	0.074
					100	0	50	0	2	17.91	18.13	0.065
				256QAM	1	0	0	0	6	15.08	15.30	0.034
					100	0	50	0	6	15.72	15.94	0.039
		55941 56085	3620.1 3634.5	QPSK	1	0	0	0	1	20.15	20.37	0.109
					100	0	50	0	2	18.97	19.19	0.083
				16QAM	1	0	0	0	1.5	19.80	20.02	0.100
					100	0	50	0	3	18.24	18.46	0.070
				64QAM	1	0	0	0	2	18.90	19.12	0.082
					100	0	50	0	2	18.08	18.30	0.068
				256QAM	1	0	0	0	6	15.64	15.86	0.039
					100	0	50	0	6	16.01	16.23	0.042
		56541 56685	3680.1 3694.5	QPSK	1	0	0	0	1	19.92	20.14	0.103
					100	0	50	0	2	18.27	18.49	0.071
				16QAM	1	0	0	0	1.5	19.55	19.77	0.095
					100	0	50	0	3	17.34	17.56	0.057
				64QAM	1	0	0	0	2	18.13	18.35	0.068
					100	0	50	0	2	17.46	17.68	0.059
				256QAM	1	0	0	0	6	15.05	15.27	0.034
					100	0	50	0	6	15.38	15.60	0.036
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)	EIRP power (dBm)	EIRP power (W)
Band 48+48	20+15	55340 55511	3560.0 3577.1	QPSK	1	0	0	0	1	20.61	20.83	0.121
					100	0	75	0	2	19.67	19.89	0.097
				16QAM	1	0	0	0	1.5	20.29	20.51	0.112
					100	0	75	0	3	18.64	18.86	0.077
				64QAM	1	0	0	0	2	19.19	19.41	0.087
					100	0	75	0	2	18.59	18.81	0.076
				256QAM	1	0	0	0	6	15.81	16.03	0.040
					100	0	75	0	6	16.39	16.61	0.046
		55916 56087	3617.6 3634.7	QPSK	1	0	0	0	1	20.60	20.82	0.121
					100	0	75	0	2	19.48	19.70	0.093
				16QAM	1	0	0	0	1.5	20.29	20.51	0.112
					100	0	75	0	3	18.65	18.87	0.077
				64QAM	1	0	0	0	2	19.30	19.52	0.090
					100	0	75	0	2	18.59	18.81	0.076
				256QAM	1	0	0	0	6	16.06	16.28	0.042
					100	0	75	0	6	16.46	16.68	0.047
		56491 56662	3675.1 3692.2	QPSK	1	0	0	0	1	20.11	20.33	0.108
					100	0	75	0	2	18.43	18.65	0.073
				16QAM	1	0	0	0	1.5	19.77	19.99	0.100
					100	0	75	0	3	17.46	17.68	0.059
				64QAM	1	0	0	0	2	18.37	18.59	0.072
					100	0	75	0	2	17.70	17.92	0.062
				256QAM	1	0	0	0	6	15.29	15.51	0.036
					100	0	75	0	6	15.54	15.76	0.038

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)	EIRP power (dBm)	EIRP power (W)
Band 48+48	20+20	55340 55538	3560.0 3579.8	QPSK	1	0	0	0	1	20.38	20.60	0.115
					100	0	100	0	2	19.40	19.62	0.092
				16QAM	1	0	0	0	1.5	20.04	20.26	0.106
					100	0	100	0	3	18.39	18.61	0.073
				64QAM	1	0	0	0	2	18.96	19.18	0.083
					100	0	100	0	2	18.37	18.59	0.072
				256QAM	1	0	0	0	6	15.54	15.76	0.038
					100	0	100	0	6	16.39	16.61	0.046
		55891 56089	3615.1 3634.9	QPSK	1	0	0	0	1	20.77	20.99	0.126
					100	0	100	0	2	19.60	19.82	0.096
				16QAM	1	0	0	0	1.5	20.40	20.62	0.115
					100	0	100	0	3	18.77	18.99	0.079
				64QAM	1	0	0	0	2	19.48	19.70	0.093
					100	0	100	0	2	18.72	18.94	0.078
				256QAM	1	0	0	0	6	16.23	16.45	0.044
					100	0	100	0	6	16.61	16.83	0.048
		56442 56640	3670.2 3690.0	QPSK	1	0	0	0	1	20.37	20.59	0.115
					100	0	100	0	2	18.76	18.98	0.079
				16QAM	1	0	0	0	1.5	20.08	20.30	0.107
					100	0	100	0	3	17.73	17.95	0.062
				64QAM	1	0	0	0	2	18.58	18.80	0.076
					100	0	100	0	2	17.96	18.18	0.066
				256QAM	1	0	0	0	6	15.59	15.81	0.038
					100	0	100	0	6	15.87	16.09	0.041

NOTE:

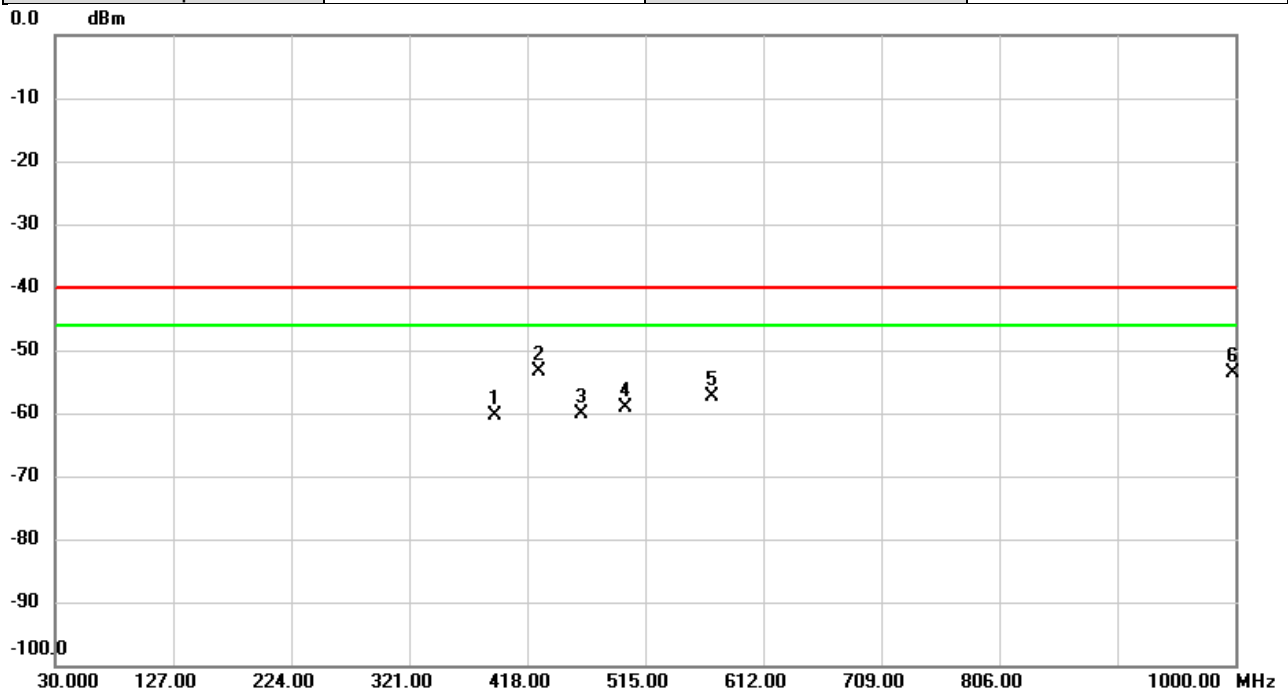
(1) EIRP = Average power + Antenna gain.

(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	LTE Band 48	Test Date	2026/1/12
Test Channel	CH55990	Polarization	Vertical
Temp	22°C	Hum.	53%

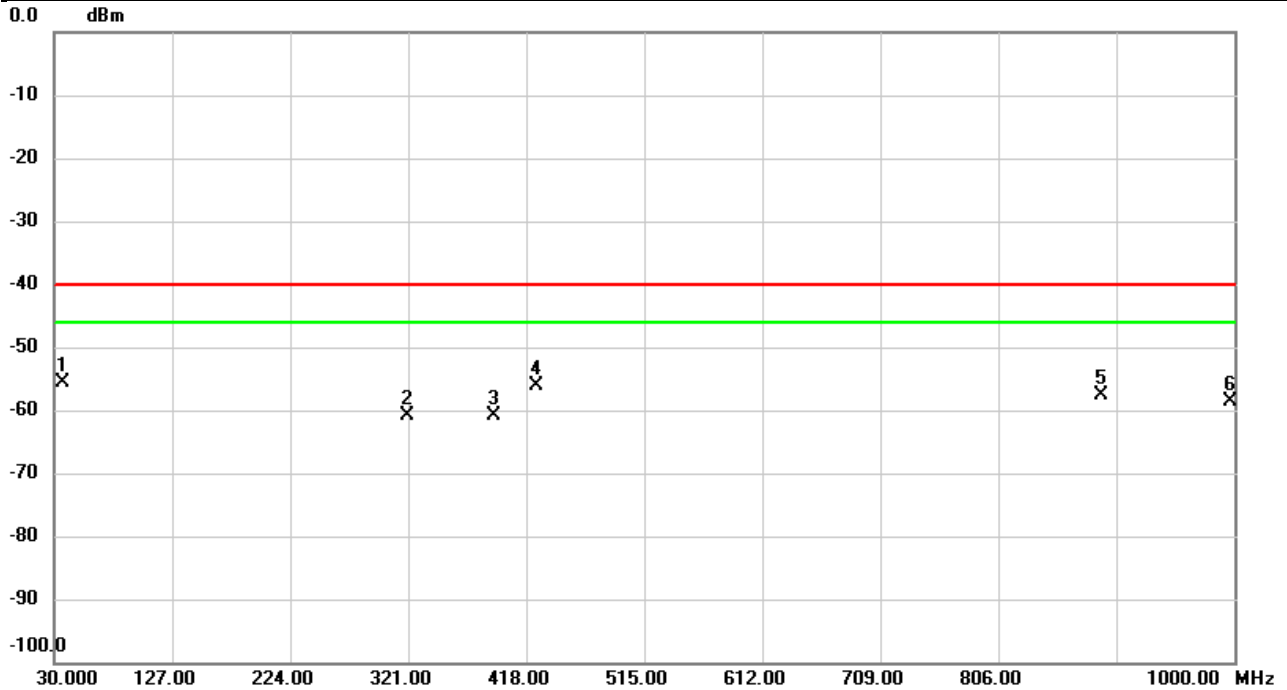


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		391.8100	-58.07	-2.40	-60.47	-40.00	-20.47	peak	
2	*	427.2150	-51.74	-1.75	-53.49	-40.00	-13.49	peak	
3		462.7817	-59.17	-0.94	-60.11	-40.00	-20.11	peak	
4		498.4777	-59.10	0.03	-59.07	-40.00	-19.07	peak	
5		569.8373	-60.45	3.00	-57.45	-40.00	-17.45	peak	
6		997.4457	-61.04	7.38	-53.66	-40.00	-13.66	peak	

REMARKS:

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

Test Mode	LTE Band 48	Test Date	2026/1/12
Test Channel	CH55990	Polarization	Horizontal
Temp	22°C	Hum.	53%

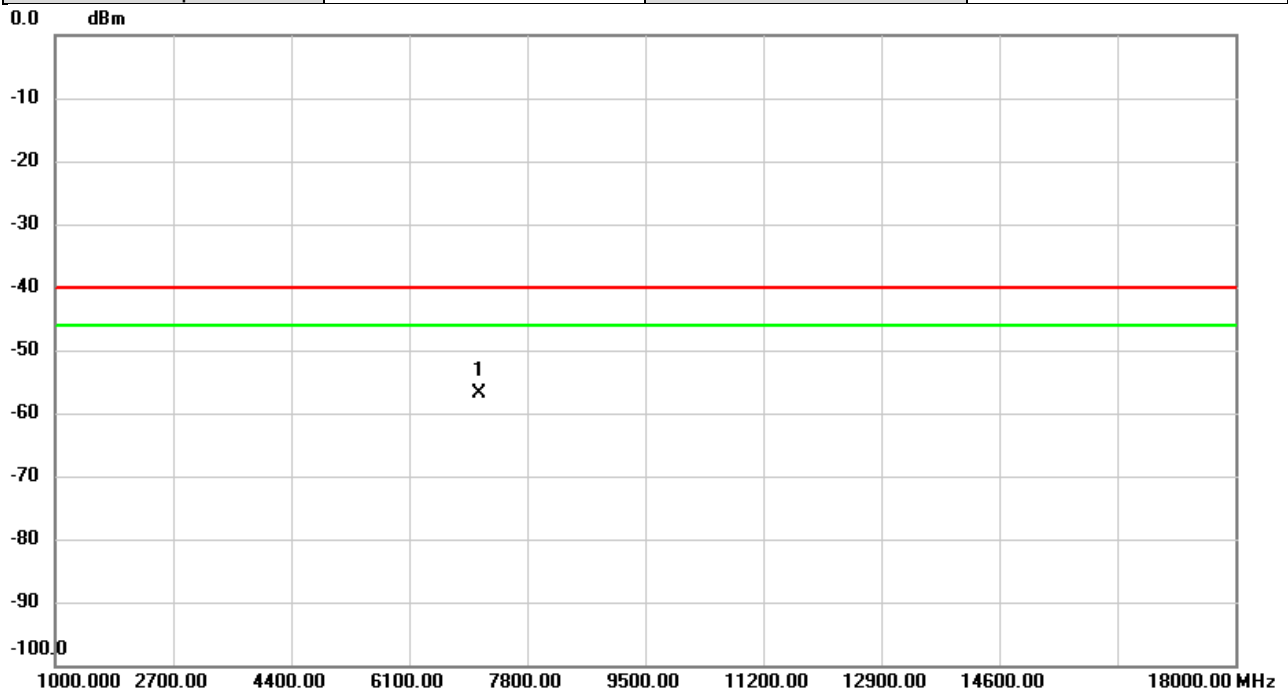


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	37.1780	-57.92	2.19	-55.73	-40.00	-15.73	peak	
2		320.3210	-56.15	-4.72	-60.87	-40.00	-20.87	peak	
3		391.5513	-58.35	-2.51	-60.86	-40.00	-20.86	peak	
4		426.8593	-53.92	-2.18	-56.10	-40.00	-16.10	peak	
5		891.0043	-62.27	4.74	-57.53	-40.00	-17.53	peak	
6		997.3163	-64.68	6.15	-58.53	-40.00	-18.53	peak	

REMARKS:

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

Test Mode	LTE Band 48	Test Date	2026/1/14
Test Channel	CH55340	Polarization	Vertical
Temp	22°C	Hum.	55%

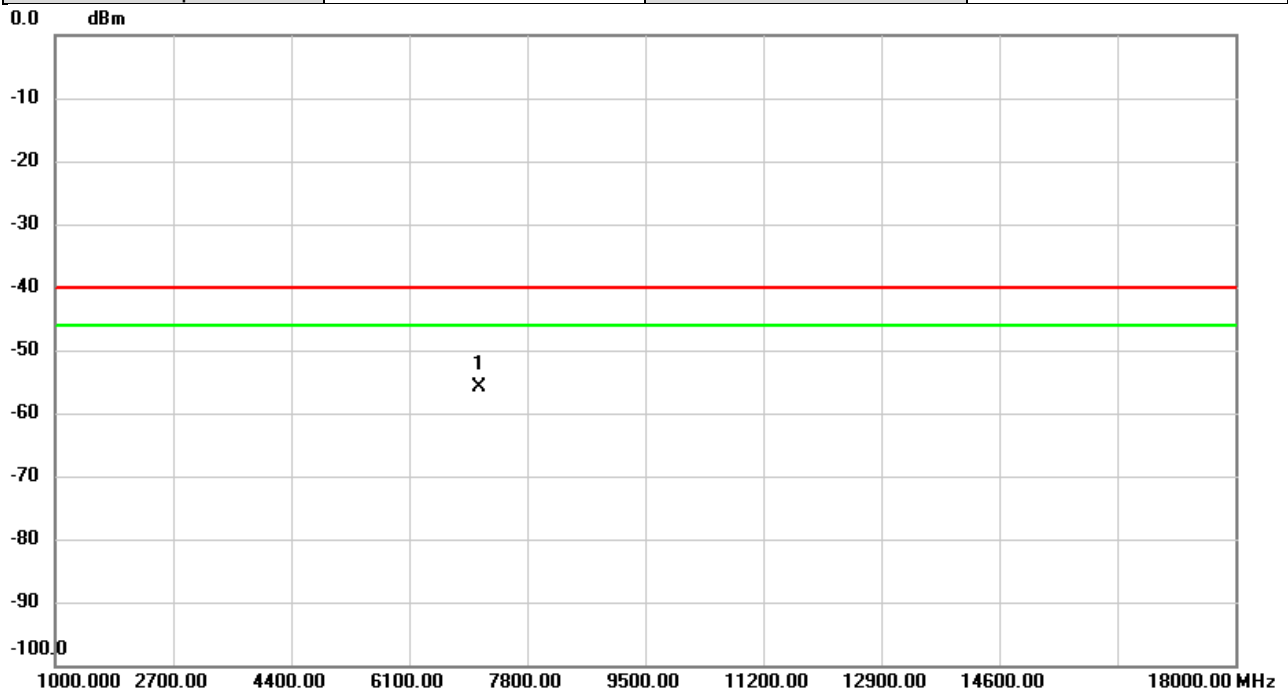


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7102.000	-75.29	18.46	-56.83	-40.00	-16.83	RMS	

REMARKS:

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

Test Mode	LTE Band 48	Test Date	2026/1/14
Test Channel	CH55340	Polarization	Horizontal
Temp	22°C	Hum.	55%

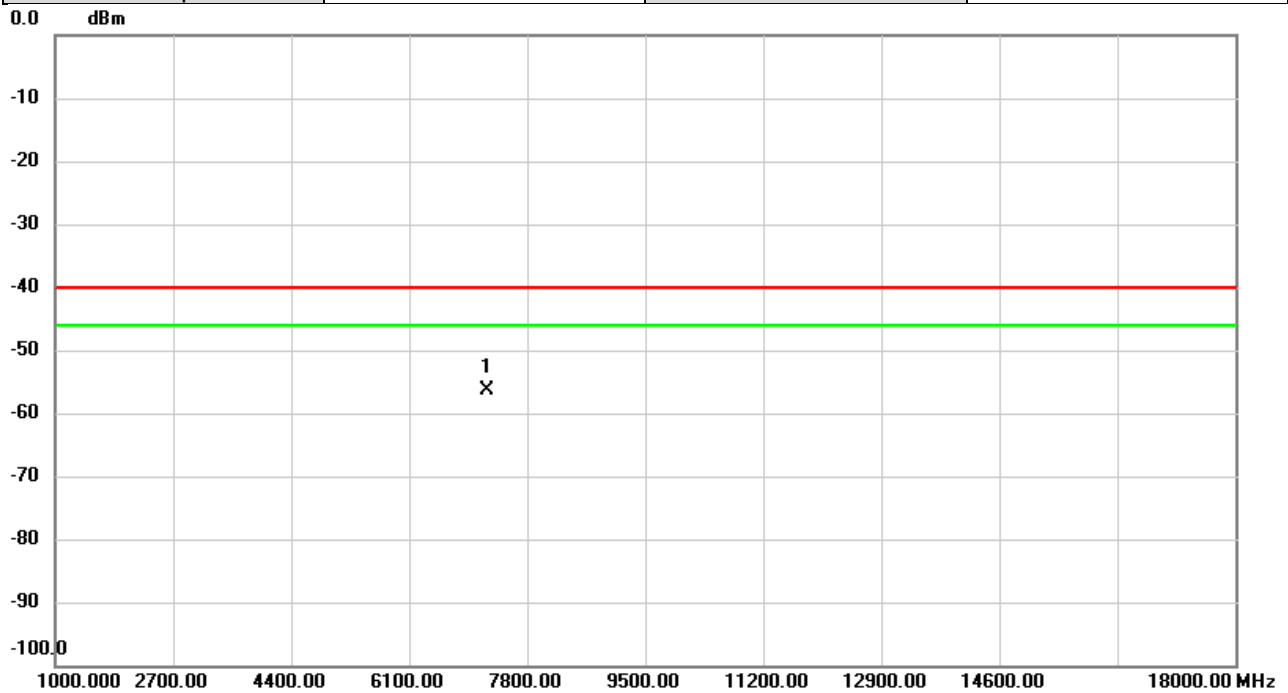


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7102.000	-74.28	18.42	-55.86	-40.00	-15.86	RMS	

REMARKS:

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

Test Mode	LTE Band 48	Test Date	2026/1/14
Test Channel	CH55990	Polarization	Vertical
Temp	22°C	Hum.	55%

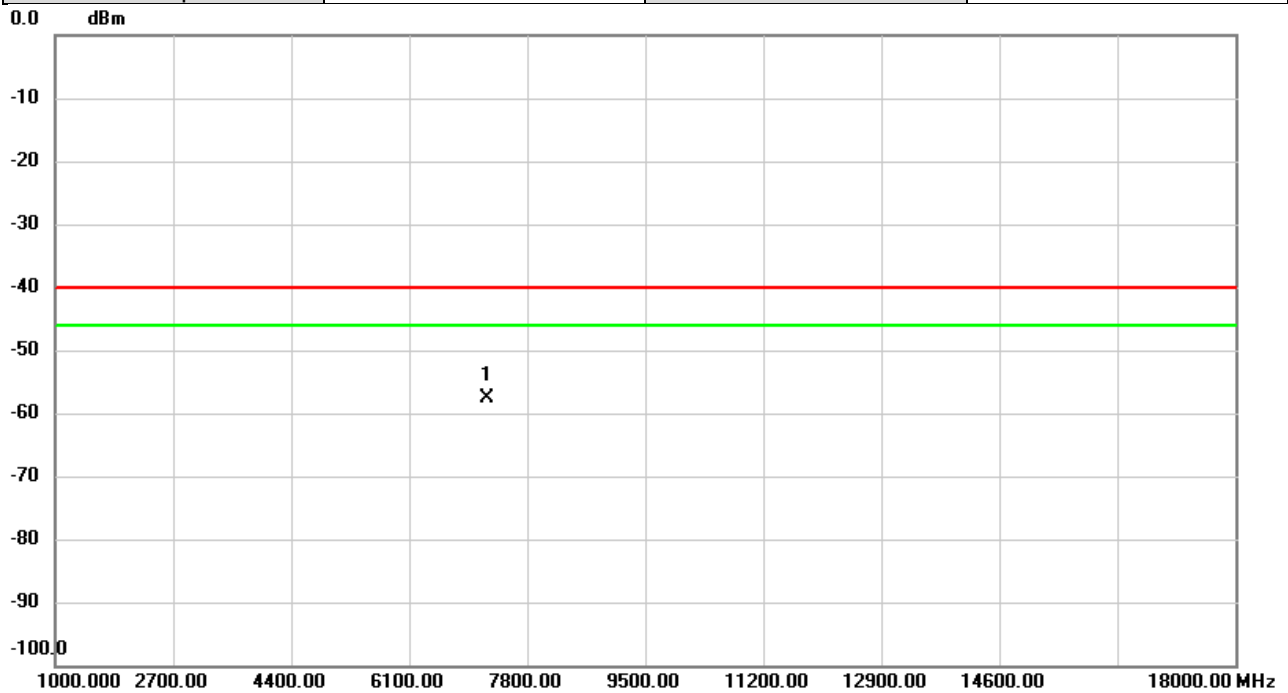


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7232.000	-74.33	17.85	-56.48	-40.00	-16.48	RMS	

REMARKS:

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

Test Mode	LTE Band 48	Test Date	2026/1/14
Test Channel	CH55990	Polarization	Horizontal
Temp	22°C	Hum.	55%

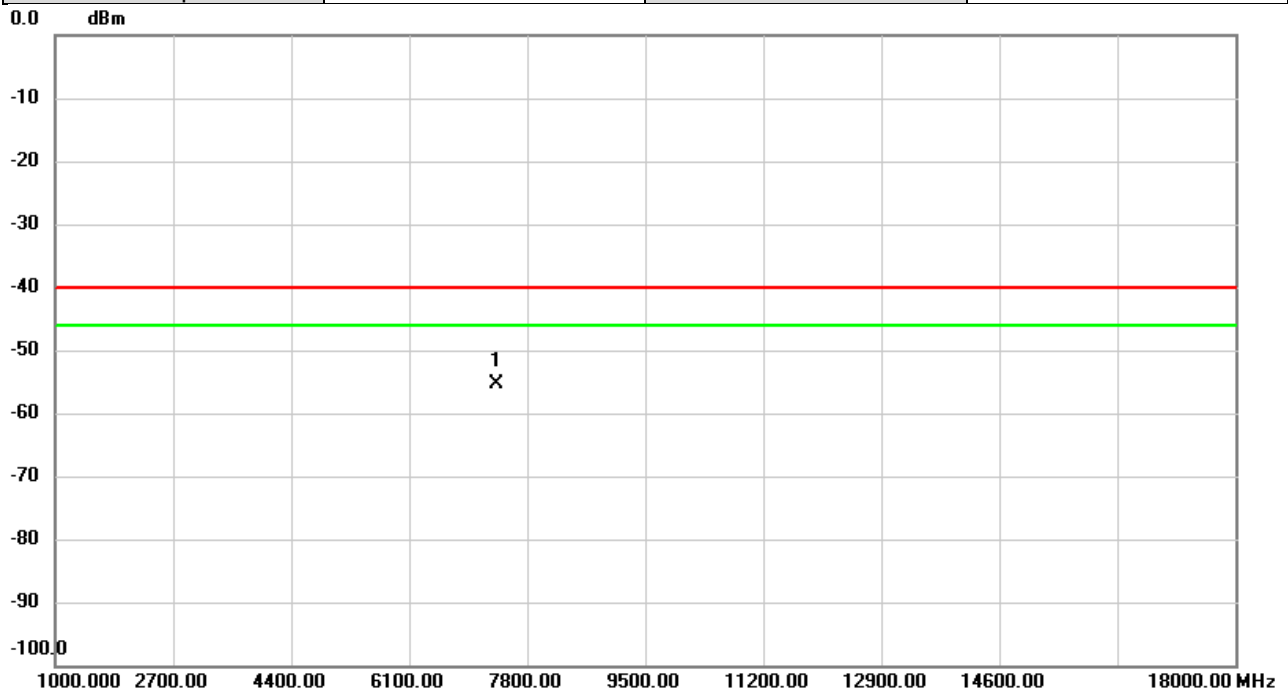


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7232.000	-75.21	17.52	-57.69	-40.00	-17.69	RMS	

REMARKS:

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

Test Mode	LTE Band 48	Test Date	2026/1/14
Test Channel	CH56640	Polarization	Vertical
Temp	22°C	Hum.	55%

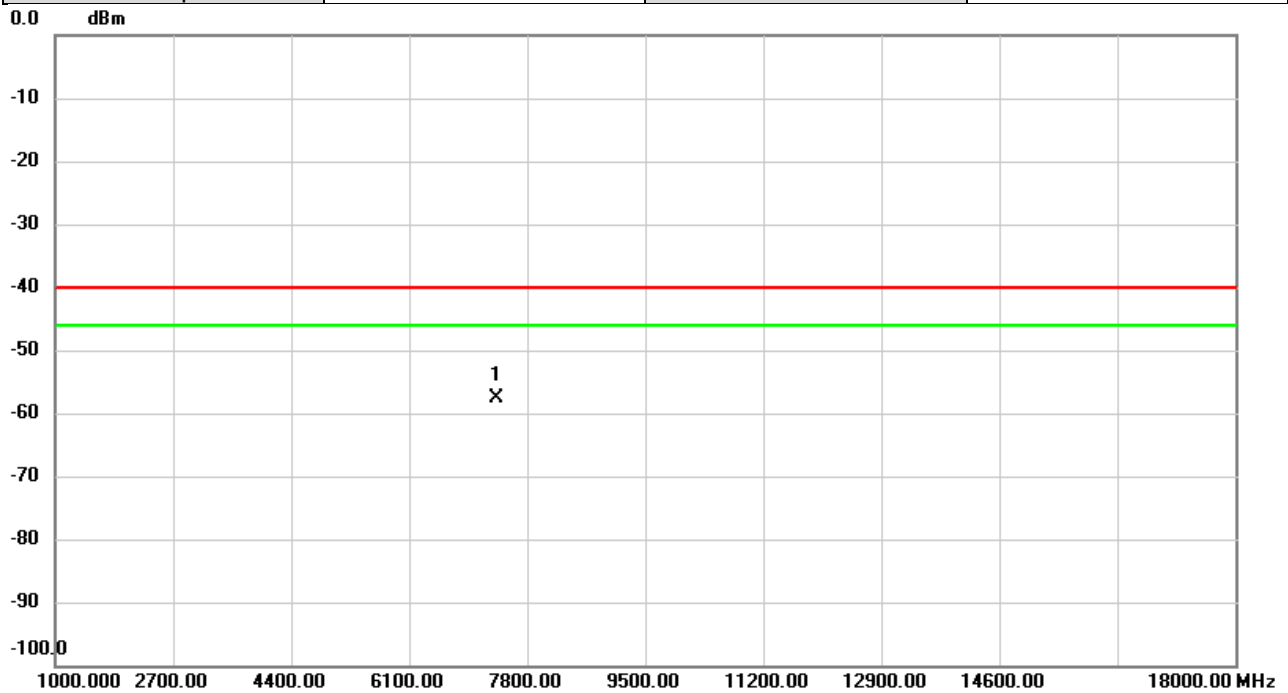


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7362.000	-72.96	17.71	-55.25	-40.00	-15.25	RMS	

REMARKS:

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

Test Mode	LTE Band 48	Test Date	2026/1/14
Test Channel	CH56640	Polarization	Horizontal
Temp	22°C	Hum.	55%

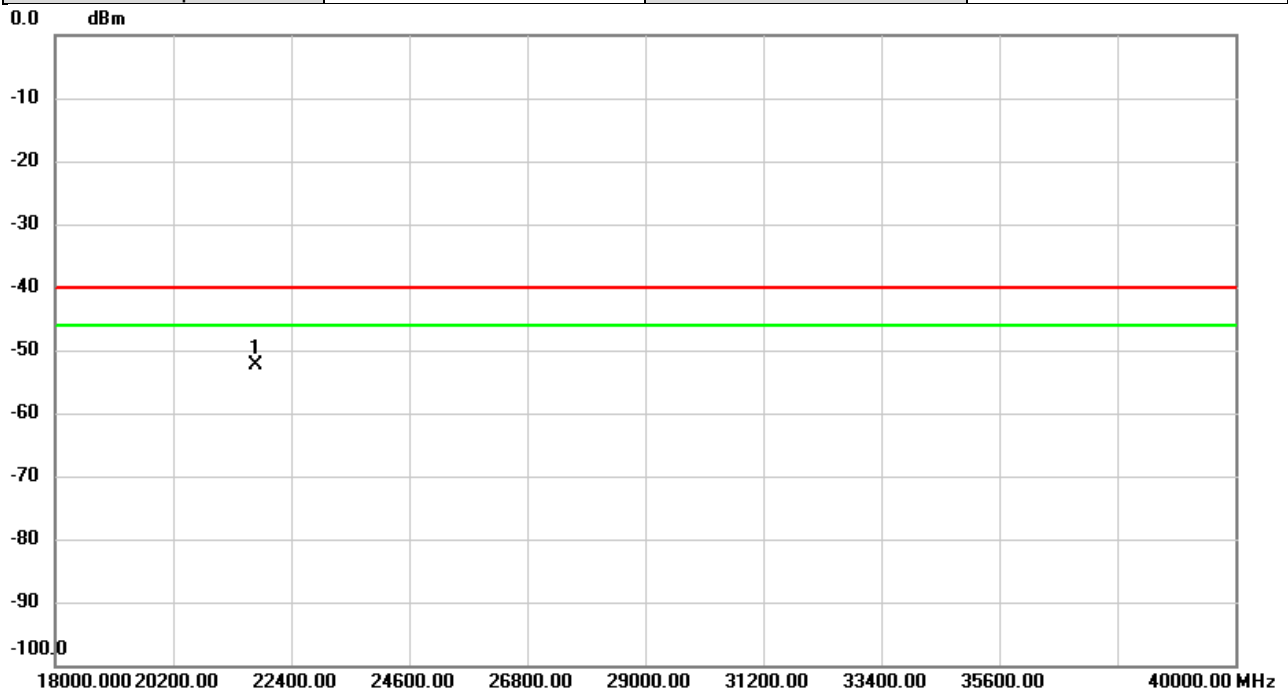


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7362.000	-75.22	17.50	-57.72	-40.00	-17.72	RMS	

REMARKS:

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

Test Mode	LTE Band 48	Test Date	2026/1/22
Test Channel	CH55990	Polarization	Vertical
Temp	22°C	Hum.	66%

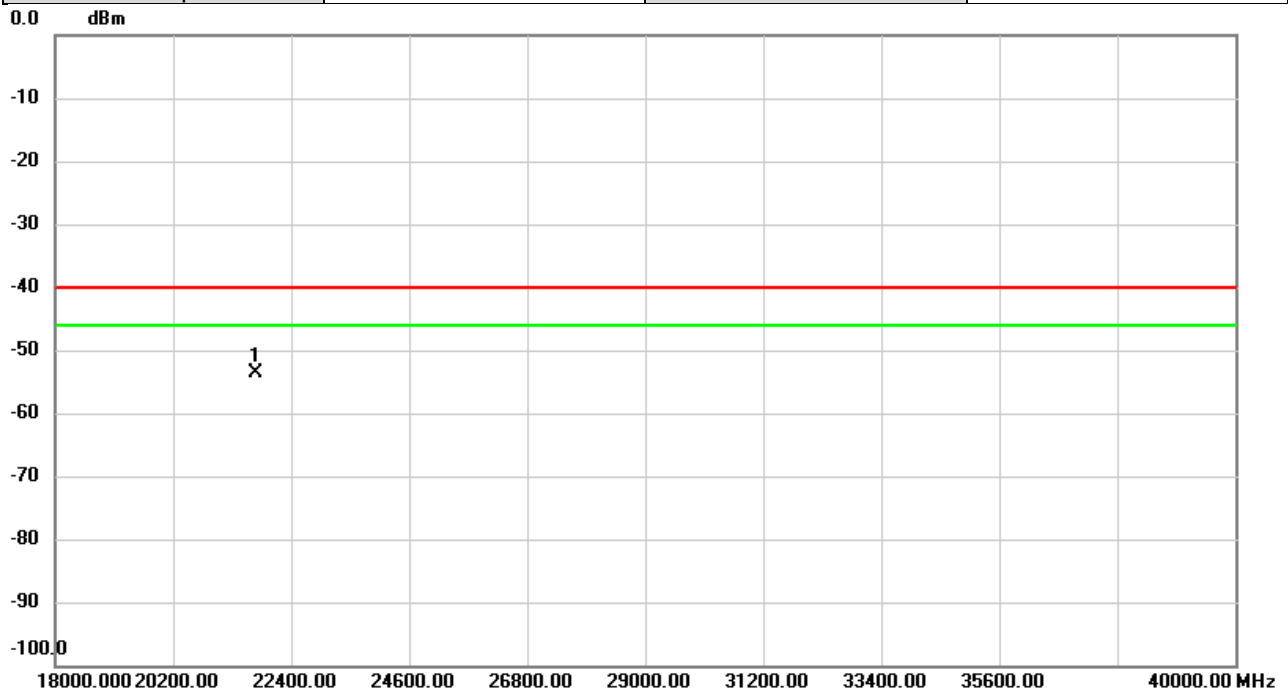


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	21750.00	-55.86	3.61	-52.25	-40.00	-12.25	peak	

REMARKS:

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

Test Mode	LTE Band 48	Test Date	2026/1/22
Test Channel	CH55990	Polarization	Horizontal
Temp	22°C	Hum.	66%

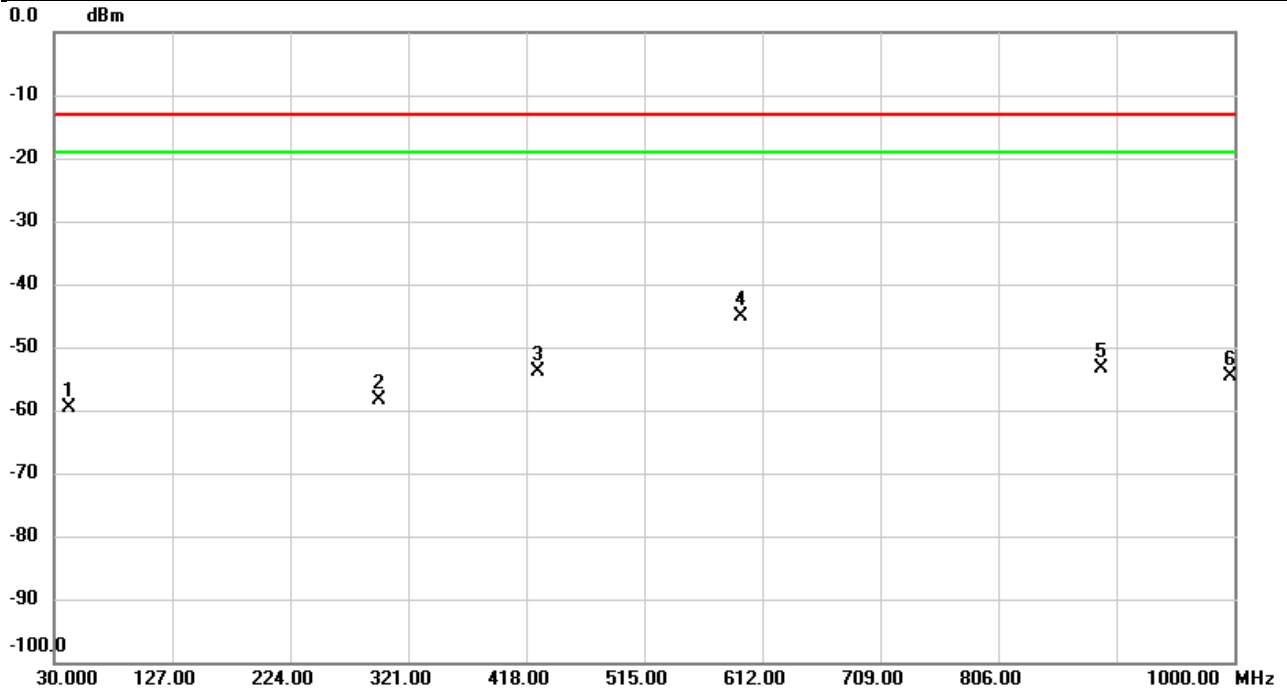


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	21750.00	-55.77	2.15	-53.62	-40.00	-13.62	peak	

REMARKS:

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

Test Mode	LTE Band CA_48C	Test Date	2026/1/21
Test Channel	High CH	Polarization	Vertical
Temp	23°C	Hum.	67%

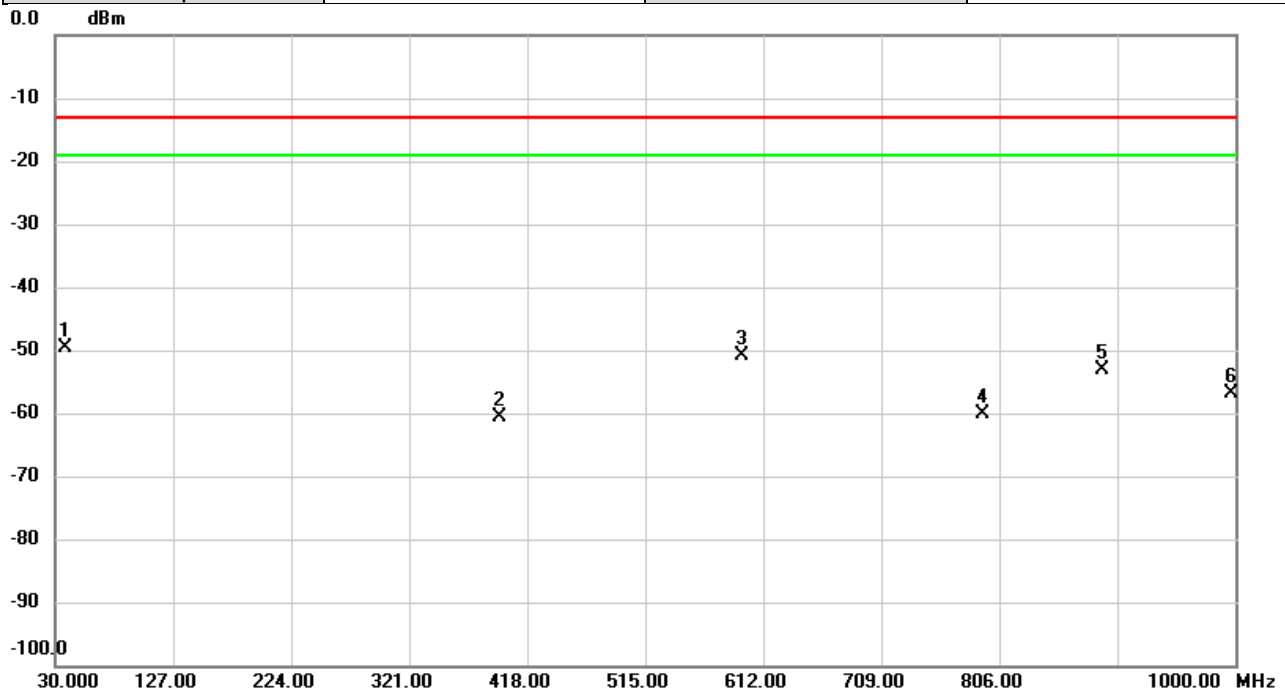


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		41.8017	-52.05	-7.45	-59.50	-13.00	-46.50	peak	
2		297.0087	-55.08	-3.35	-58.43	-13.00	-45.43	peak	
3		427.4413	-52.04	-1.75	-53.79	-13.00	-40.79	peak	
4	*	594.0227	-48.23	3.22	-45.01	-13.00	-32.01	peak	
5		891.0043	-59.67	6.39	-53.28	-13.00	-40.28	peak	
6		997.2193	-61.90	7.38	-54.52	-13.00	-41.52	peak	

REMARKS:

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

Test Mode	LTE Band CA_48C	Test Date	2026/1/21
Test Channel	High CH	Polarization	Horizontal
Temp	23°C	Hum.	67%

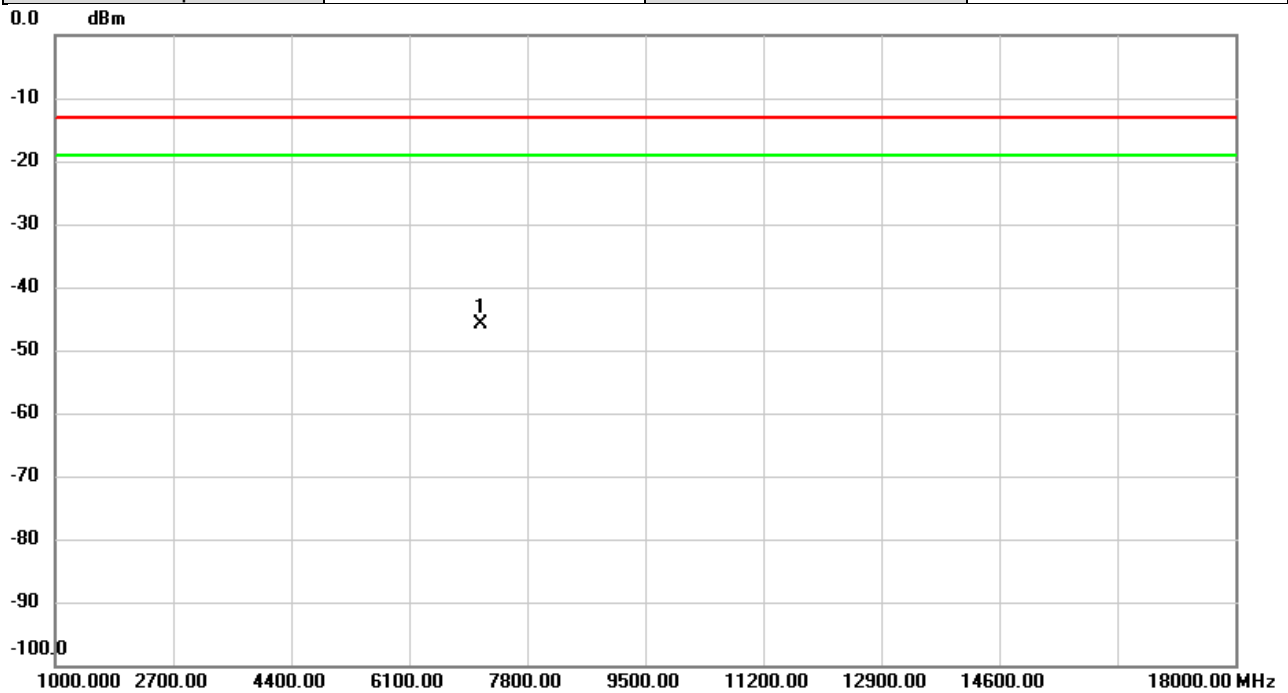


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	38.2450	-51.79	2.09	-49.70	-13.00	-36.70	peak	
2		396.0133	-58.10	-2.50	-60.60	-13.00	-47.60	peak	
3		593.9903	-50.99	0.12	-50.87	-13.00	-37.87	peak	
4		792.0320	-64.01	3.95	-60.06	-13.00	-47.06	peak	
5		891.0043	-57.91	4.74	-53.17	-13.00	-40.17	peak	
6		997.2840	-62.94	6.15	-56.79	-13.00	-43.79	peak	

REMARKS:

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

Test Mode	LTE Band CA_48C	Test Date	2026/1/15
Test Channel	Low CH	Polarization	Vertical
Temp	23°C	Hum.	54%

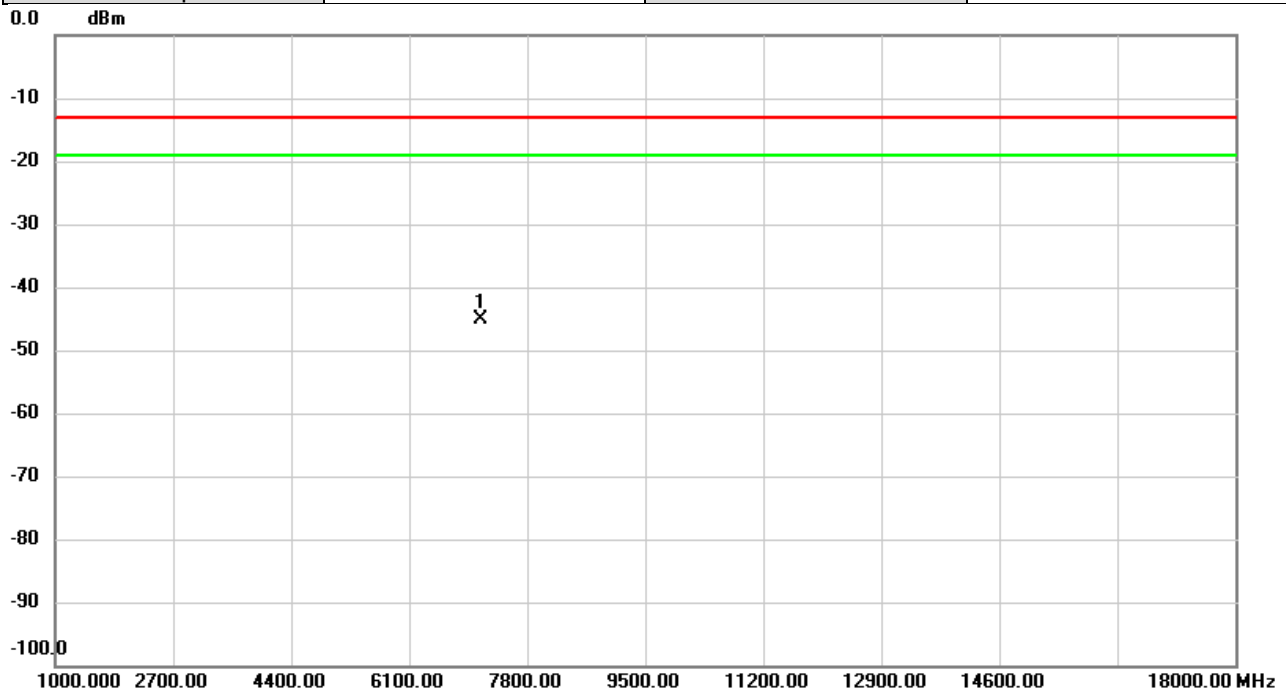


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7120.000	-64.14	18.24	-45.90	-13.00	-32.90	peak	

REMARKS:

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

Test Mode	LTE Band CA_48C	Test Date	2026/1/15
Test Channel	Low CH	Polarization	Horizontal
Temp	23°C	Hum.	54%

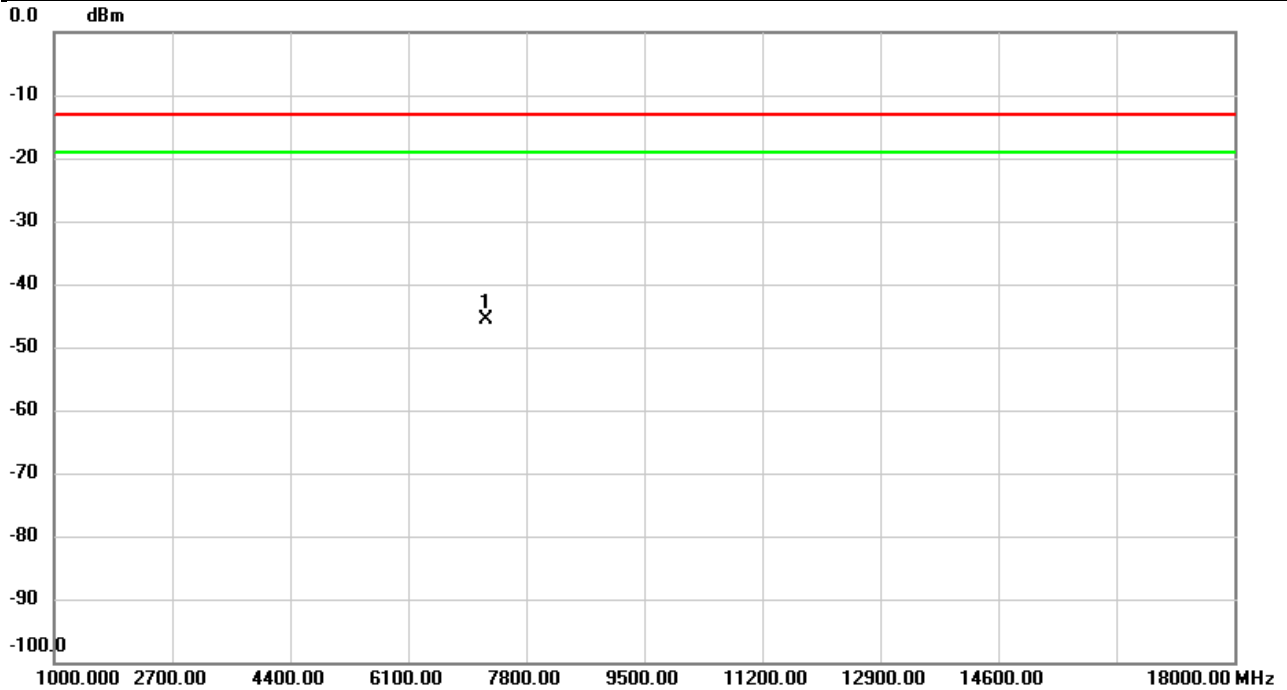


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7120.000	-63.34	18.15	-45.19	-13.00	-32.19	peak	

REMARKS:

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

Test Mode	LTE Band CA_48C	Test Date	2026/1/15
Test Channel	Middle CH	Polarization	Vertical
Temp	23°C	Hum.	54%

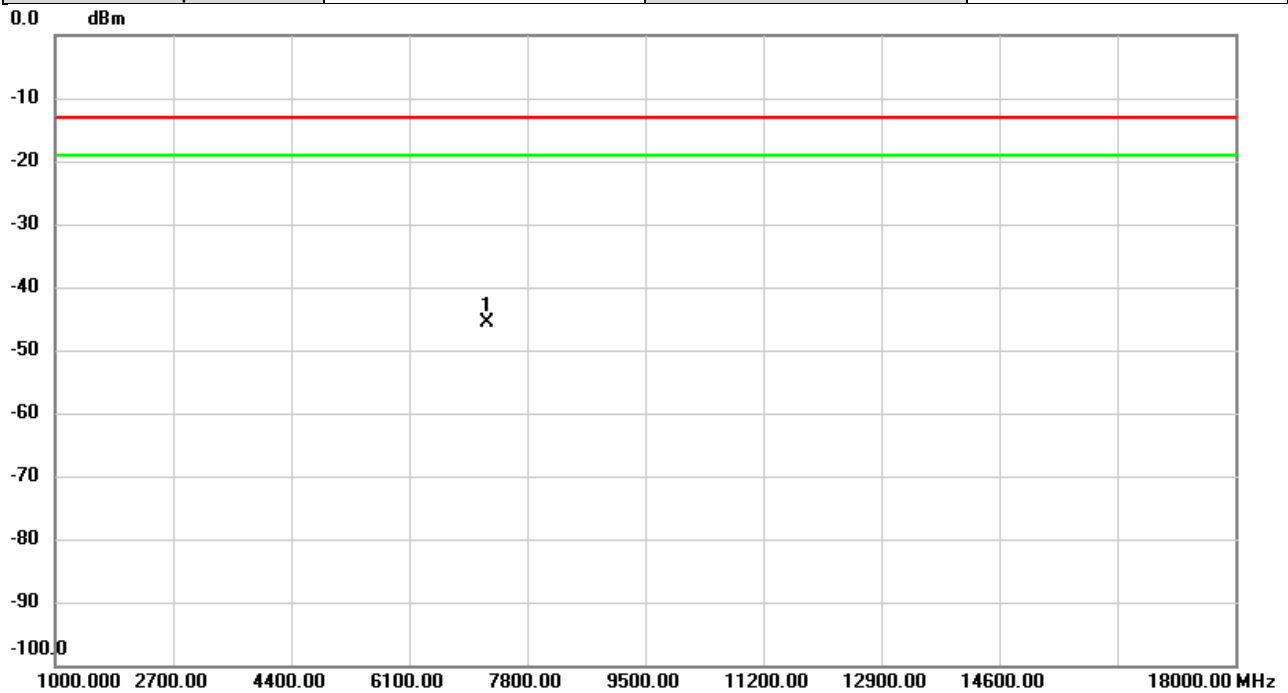


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7230.000	-63.55	17.86	-45.69	-13.00	-32.69	peak	

REMARKS:

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

Test Mode	LTE Band CA_48C	Test Date	2026/1/15
Test Channel	Middle CH	Polarization	Horizontal
Temp	23°C	Hum.	54%

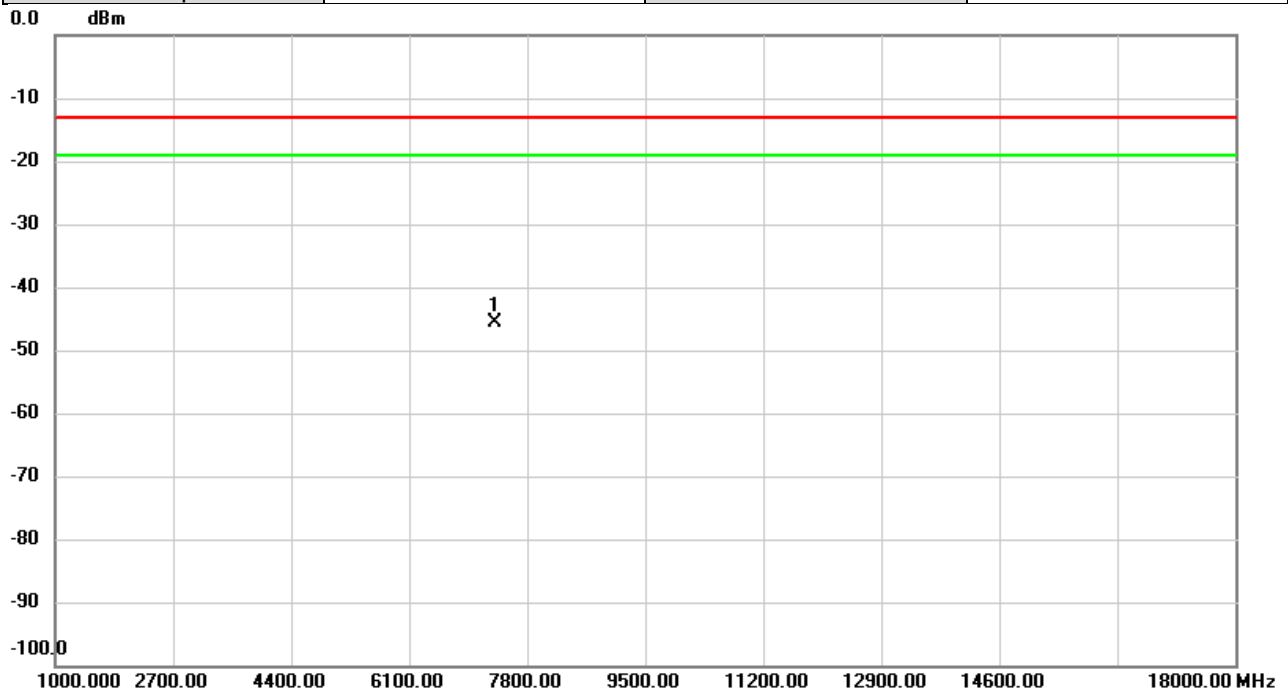


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7230.000	-63.10	17.55	-45.55	-13.00	-32.55	peak	

REMARKS:

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

Test Mode	LTE Band CA_48C	Test Date	2026/1/15
Test Channel	High CH	Polarization	Vertical
Temp	23°C	Hum.	54%

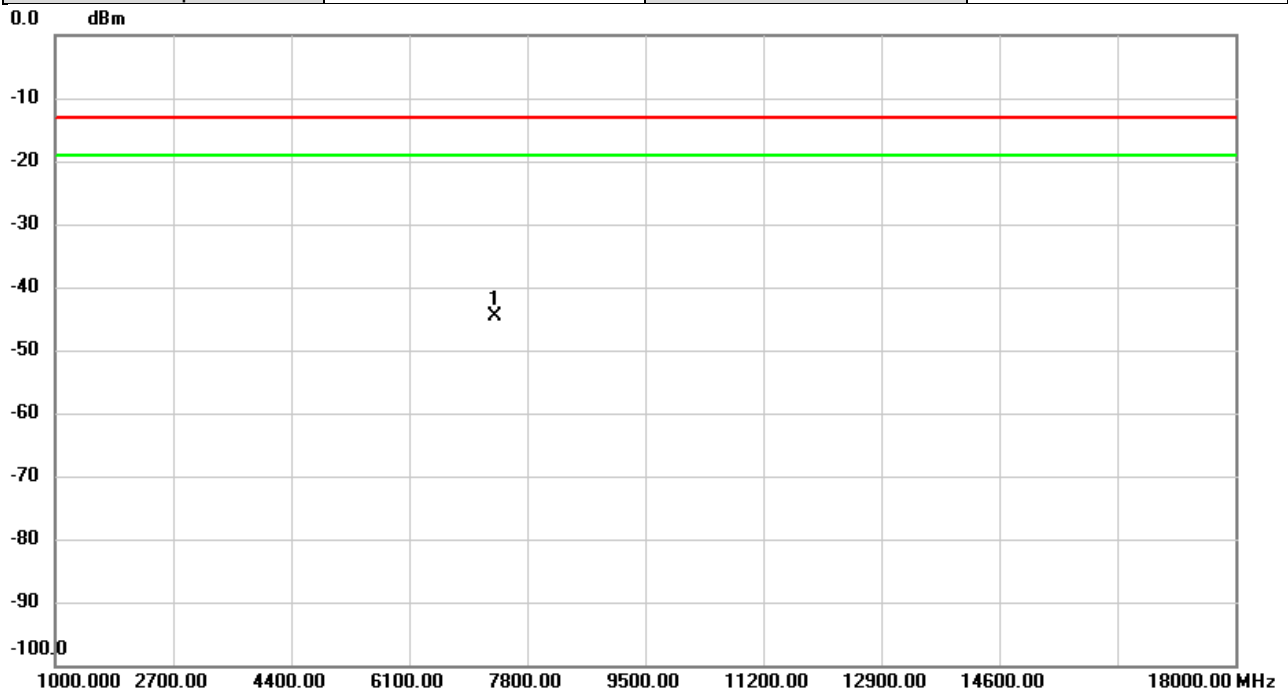


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7340.400	-63.40	17.66	-45.74	-13.00	-32.74	peak	

REMARKS:

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

Test Mode	LTE Band CA_48C	Test Date	2026/1/15
Test Channel	High CH	Polarization	Horizontal
Temp	23°C	Hum.	54%

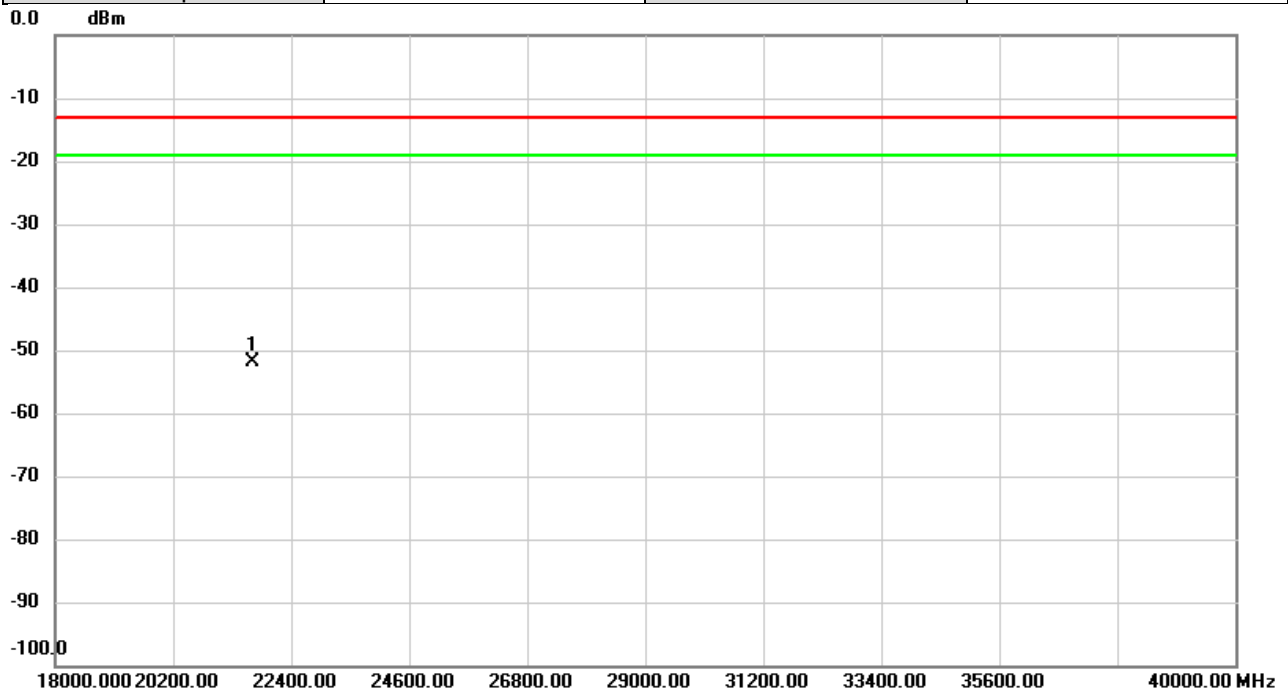


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	7340.400	-61.95	17.44	-44.51	-13.00	-31.51	peak	

REMARKS:

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

Test Mode	LTE Band CA_48C	Test Date	2026/1/22
Test Channel	High CH	Polarization	Vertical
Temp	22°C	Hum.	66%

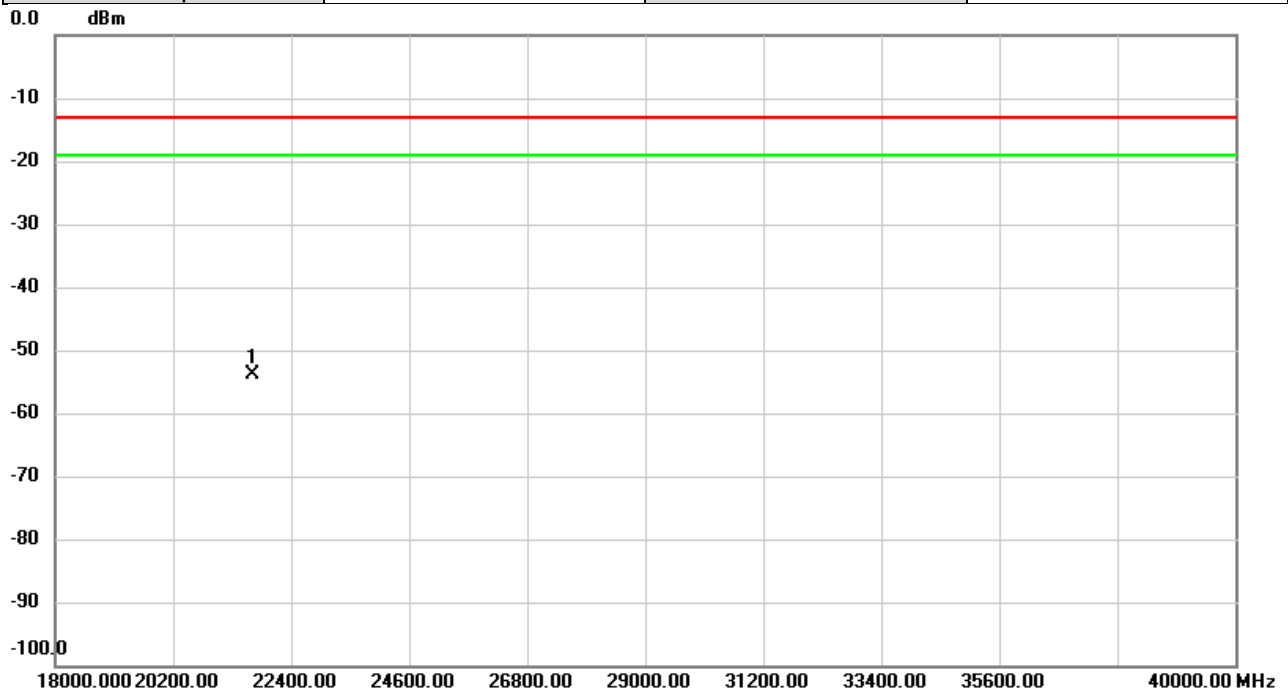


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	21690.00	-55.29	3.53	-51.76	-13.00	-38.76	peak	

REMARKS:

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

Test Mode	LTE Band CA_48C	Test Date	2026/1/22
Test Channel	High CH	Polarization	Horizontal
Temp	22°C	Hum.	66%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	21690.00	-56.01	2.11	-53.90	-13.00	-40.90	peak	

REMARKS:

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

End of Test Report