FCC Radio Test Report

FCC ID: 2AJN7-TP00160AL

Report No.	:	BTL-FCCP-5-2311T076
Equipment	:	Notebook Computer
Model Name	:	TP00160AL
Brand Name	:	Lenovo
Applicant	:	LC Future Center
Address	:	7F., No. 780, Beian Rd., Zhongshan Dist., Taipei City 104, Taiwan
Manufacturer	:	Lenovo PC HK Limited
Address	:	23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, P.R. China
Radio Function	:	LTE Band 26
FCC Rule Part(s)	:	FCC CFR Title 47, Part 90, Subpart S
Date of Receipt	:	2023/11/16
Date of Test	:	2023/11/28 ~ 2023/12/7
Issued Date	:	2024/1/15

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

Prepared by : _Jerry Chuang_
Jerry Chuang, Supervisor

Approved by : _Peter Chen_
Peter Chen, Manager

BTL Inc.

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Declaration

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

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

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

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

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

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

Limitation

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

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

CONTENTS

REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-5-2311T076	R00	Original Report.	2024/1/15	Valid

1   SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
2.1046 90.635 (b)	Effective Radiated Power	APPENDIX A	Pass	------
---	Peak To Average Ratio	NOTE (3)	Pass	------
2.1049	Occupied Bandwidth	NOTE (3)	Pass	------
2.1051 90.691(a)	Emission Mask	NOTE (3)	Pass	------
2.1051 90.691	Conducted Spurious Emissions	NOTE (3)	Pass	------
2.1055 90.213	Frequency Stability	NOTE (3)	Pass	------
2.1053 90.691	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 item is demonstrated to full compliance referring to the test report number SEWM2304000133RG01 of the integrated module (model name: EM061K-GL, FCC ID: XMR2023EM061KGL), according to KDB 996369 D02 Q1 a) 2).
(4) The radiated emissions are tested to demonstrate full compliance of both module integrated into the host and host itself.

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	23.2 °C, 42 %	AC 120V	Jerry Chuang
Radiated Spurious Emissions	Refer to data	AC 120V	Kevin Zhen

2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

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			
WWAN Module	Quectel / EM061K-GL			
Operation Frequency	Band	UL Frequency (MHz)		DL Frequency (MHz)
	LTE 26	814 ~ 824		859 ~ 869
Maximum ERP	Band	BW (MHz)	Mode	Power (W)
	26	1.4	QPSK	0.062
			16QAM	0.052
		3	QPSK	0.062
			16QAM	0.053
		5	QPSK	0.063
			16QAM	0.053
		10	QPSK	0.064
			16QAM	0.054
Test Model	TP00160AL			
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	-2.97	LTE Band 26
Aux	Luxshare-ICT	DC33022F20	PIFA	I-PEX	-	RX only

Antenna	Manufacture	Parts Number	Type	Connector	Gain (dBi)	Note
Main	SPEEDWIRE	DC33022J60	PIFA	I-PEX	-2.97	LTE Band 26
Aux	SPEEDWIRE	DC33022J60	PIFA	I-PEX	-	RX only

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

2.2 TEST MODES

| Test Items	Band	Test Mode	Note
Effective Radiated Power	LTE Band 26	Refer to APPENDIX A	-
Radiated Spurious Emissions (Below 1G)	LTE Band 26	TX Mode (CH 26865)	-
Radiated Spurious Emissions (Above 1G)	LTE Band 26	TX Mode (CH26865/26915/26965)	-

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 and 16QAM 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.
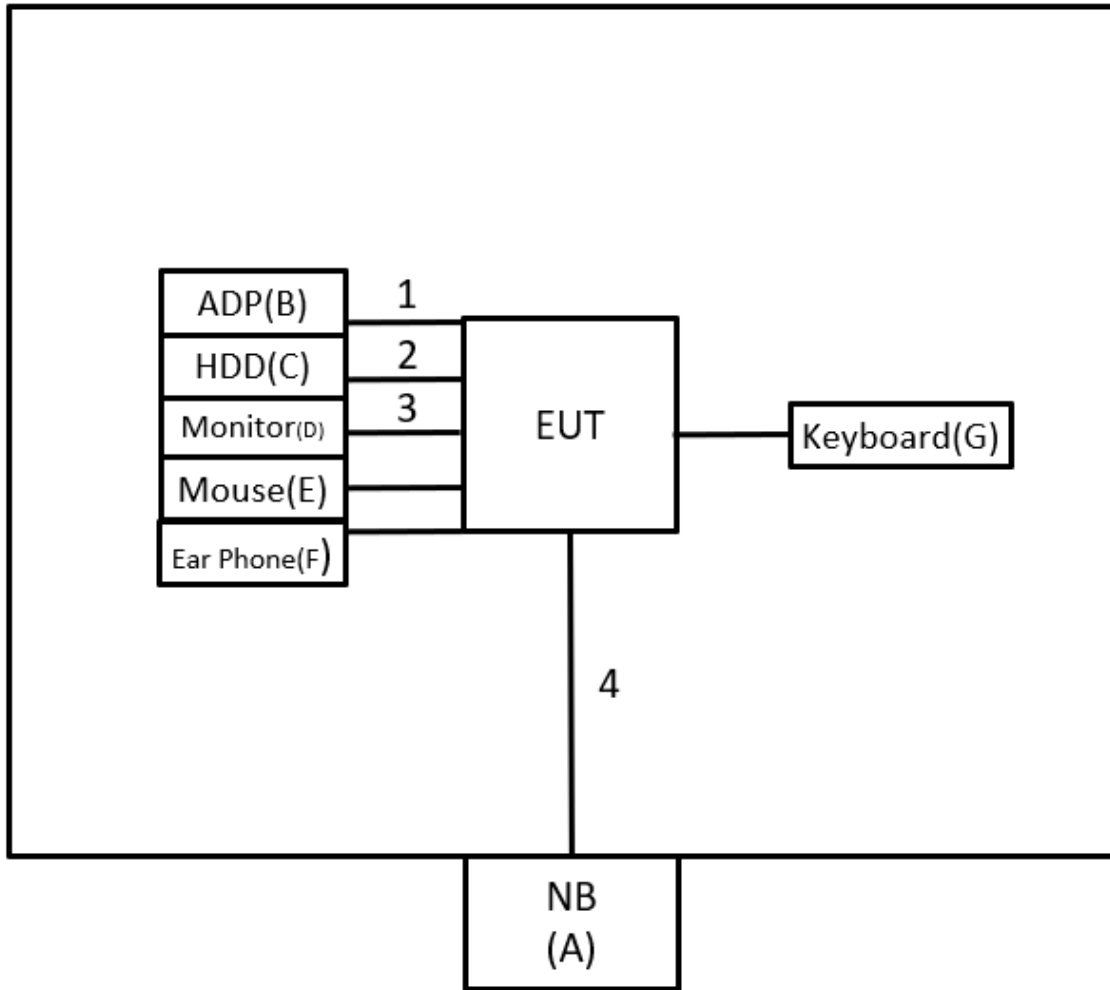
2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	NB	HP	TPN-I119	N/A	Furnished by test lab.
B	ADP	Lenovo	ADLX65YSDC2A	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-WSL00-0B7-332L	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

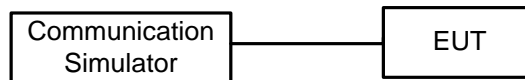Mobile / Portable station are limited to 100 watts e.r.p.

3.2   TEST PROCEDURE

The testing follows FCC KDB 971168 v03r01 Section 5.8.
a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G
c. EIRP = 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 - 2.15dBi..
e. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

3.3   DEVIATION FROM TEST STANDARD

No deviation.

3.4   TEST SETUP

```
┌─────────────────┐          ┌─────────────┐
│  Communication  │          │             │
│   Simulator     │──────────│     EUT     │
│                 │          │             │
└─────────────────┘          └─────────────┘
```

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 - 2.15dBi..
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

30 MHz to 1 GHz

Above 1 GHz
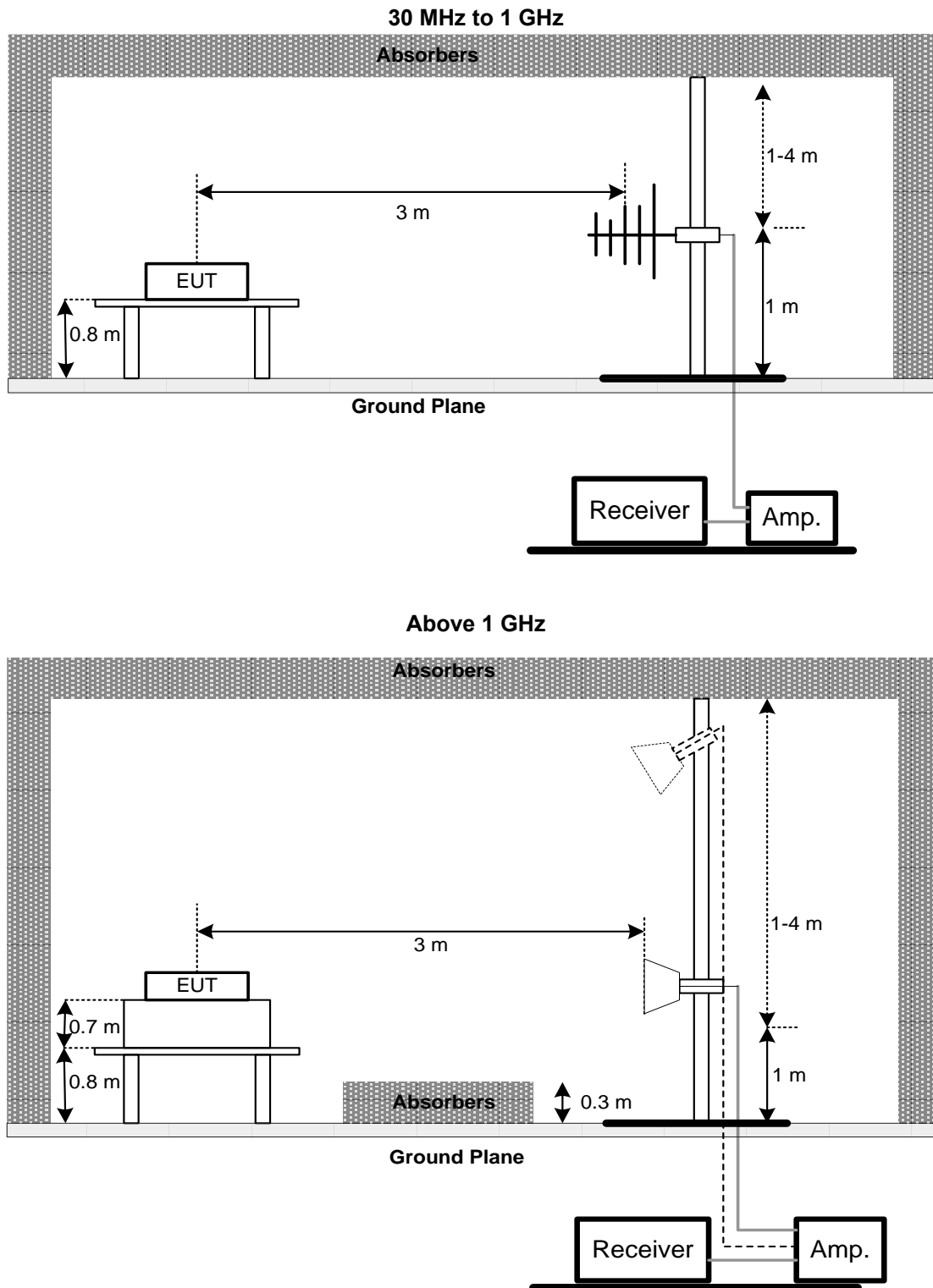
4.5 EUT OPERATING CONDITIONS

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 Analyzer	ANRITSU	MT8820C	6201381608	2022/12/22	2023/12/21
3	Radio Communication Test Station	ANRITSU	MT8821C	6262044728	2023/11/22	2024/11/21

	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 Test Station	ANRITSU	MT8821C	6262044728	2023/11/22	2024/11/21
17	Wideband Radio Communication Tester	R&S	CMW500	154121	2023/1/12	2024/1/11
18	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

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	26697	814.7	QPSK	1	0	0	22.97	17.85	0.061
					1	2	0	23.00	17.88	0.061
					1	5	0	22.98	17.86	0.061
					6	0	1	22.16	17.04	0.051
				16QAM	1	0	1	22.16	17.04	0.051
					1	2	1	22.24	17.12	0.052
					1	5	1	22.24	17.12	0.052
					6	0	2	21.11	15.99	0.040
		26740	819.0	QPSK	1	0	0	22.97	17.85	0.061
					1	2	0	22.98	17.86	0.061
					1	5	0	22.99	17.87	0.061
					6	0	1	22.15	17.03	0.050
				16QAM	1	0	1	22.18	17.06	0.051
					1	2	1	22.23	17.11	0.051
					1	5	1	22.28	17.16	0.052
					6	0	2	21.16	16.04	0.040
		26783	823.3	QPSK	1	0	0	22.94	17.82	0.061
					1	2	0	23.01	17.89	0.062
					1	5	0	22.97	17.85	0.061
					6	0	1	22.12	17.00	0.050
				16QAM	1	0	1	22.19	17.07	0.051
					1	2	1	22.23	17.11	0.051
					1	5	1	22.28	17.16	0.052
					6	0	2	21.09	15.97	0.040

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	26705	815.5	QPSK	1	8	0	23.01	17.89	0.062
					1	14	0	23.05	17.93	0.062
					1	15	0	23.05	17.93	0.062
					15	6	1	22.20	17.08	0.051
				16QAM	1	8	1	22.21	17.09	0.051
					1	14	1	22.30	17.18	0.052
					1	15	1	22.30	17.18	0.052
					15	6	2	21.17	16.05	0.040
		26740	819.0	QPSK	1	8	0	23.01	17.89	0.062
					1	14	0	23.03	17.91	0.062
					1	15	0	23.04	17.92	0.062
					15	6	1	22.21	17.09	0.051
				16QAM	1	8	1	22.23	17.11	0.051
					1	14	1	22.29	17.17	0.052
					1	15	1	22.34	17.22	0.053
					15	6	2	21.21	16.09	0.041
		26775	822.5	QPSK	1	8	0	23.01	17.89	0.062
					1	14	0	23.05	17.93	0.062
					1	15	0	23.04	17.92	0.062
					15	6	1	22.20	17.08	0.051
				16QAM	1	8	1	22.25	17.13	0.052
					1	14	1	22.27	17.15	0.052
					1	15	1	22.32	17.20	0.052
					15	6	2	21.15	16.03	0.040

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	26715	816.5	QPSK	1	0	0	23.08	17.96	0.063
					1	12	0	23.11	17.99	0.063
					1	24	0	23.11	17.99	0.063
					25	0	1	22.25	17.13	0.052
				16QAM	1	0	1	22.28	17.16	0.052
					1	12	1	22.36	17.24	0.053
					1	24	1	22.38	17.26	0.053
					25	0	2	21.24	16.12	0.041
		26740	819.0	QPSK	1	0	0	23.07	17.95	0.062
					1	12	0	23.10	17.98	0.063
					1	24	0	23.10	17.98	0.063
					25	0	1	22.25	17.13	0.052
				16QAM	1	0	1	22.29	17.17	0.052
					1	12	1	22.33	17.21	0.053
					1	24	1	22.40	17.28	0.053
					25	0	2	21.27	16.15	0.041
		26765	821.5	QPSK	1	0	0	23.07	17.95	0.062
					1	12	0	23.09	17.97	0.063
					1	24	0	23.11	17.99	0.063
					25	0	1	22.25	17.13	0.052
				16QAM	1	0	1	22.30	17.18	0.052
					1	12	1	22.33	17.21	0.053
					1	24	1	22.40	17.28	0.053
					25	0	2	21.23	16.11	0.041

NOTE:
(1) EIRP = Average power + Antenna gain.
(2) ERP = EIRP - 2.15.
(3) P(W) = 1 W · $10^{(P(dBm) / 10)}$ / 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	10	26740	819.0	QPSK	1	0	0	23.14	18.02	0.063
					1	24	0	23.15	18.03	0.064
					1	49	0	23.17	18.05	0.064
					50	0	1	22.30	17.18	0.052
				16QAM	1	0	1	22.35	17.23	0.053
					1	24	1	22.41	17.29	0.054
					1	49	1	22.45	17.33	0.054
					50	0	2	21.31	16.19	0.042

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

APPENDIX B   RADIATED SPURIOUS EMISSIONS

Test Mode	LTE Band 26	Test Date	2023/11/29
Test Channel	CH26865	Polarization	Vertical
Temp	23°C	Hum.	56%
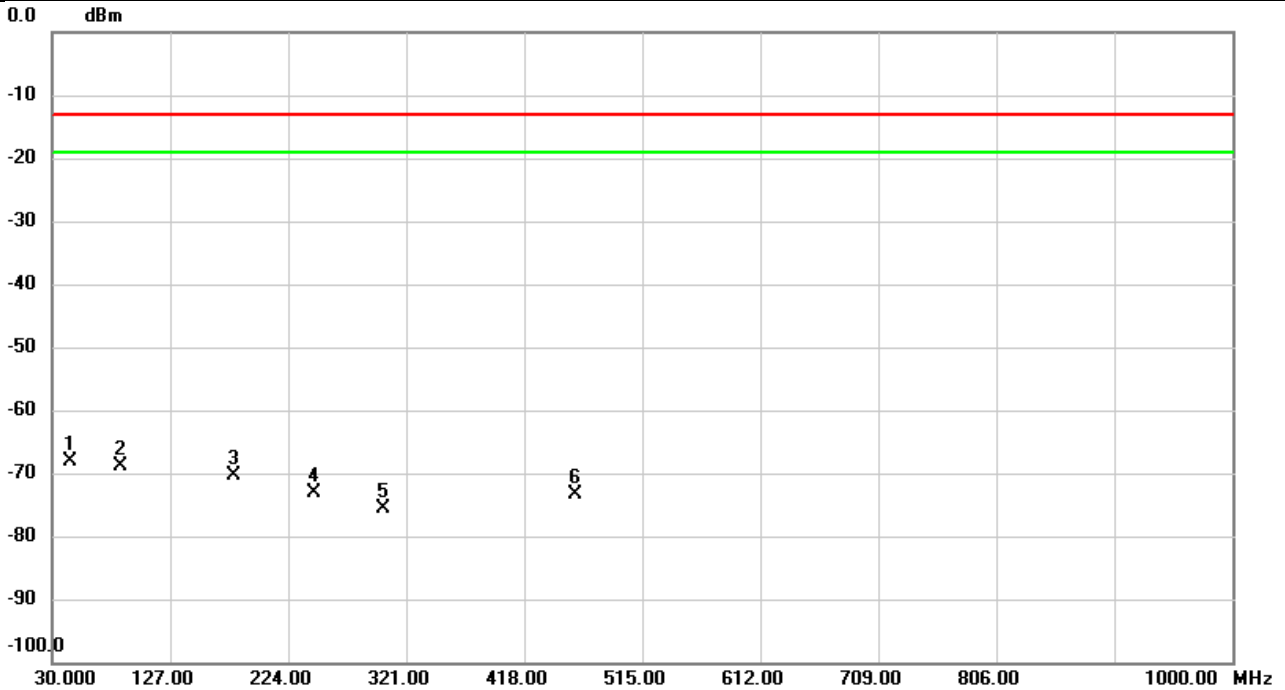
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	44.7117	-59.52	-8.53	-68.05	-13.00	-55.05	peak	
2		86.7773	-63.08	-5.73	-68.81	-13.00	-55.81	peak	
3		179.5093	-67.81	-2.67	-70.48	-13.00	-57.48	peak	
4		245.8573	-70.45	-2.71	-73.16	-13.00	-60.16	peak	
5		301.8263	-72.28	-3.28	-75.56	-13.00	-62.56	peak	
6		459.4837	-72.23	-1.12	-73.35	-13.00	-60.35	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	Horizontal
Temp	23°C	Hum.	56%
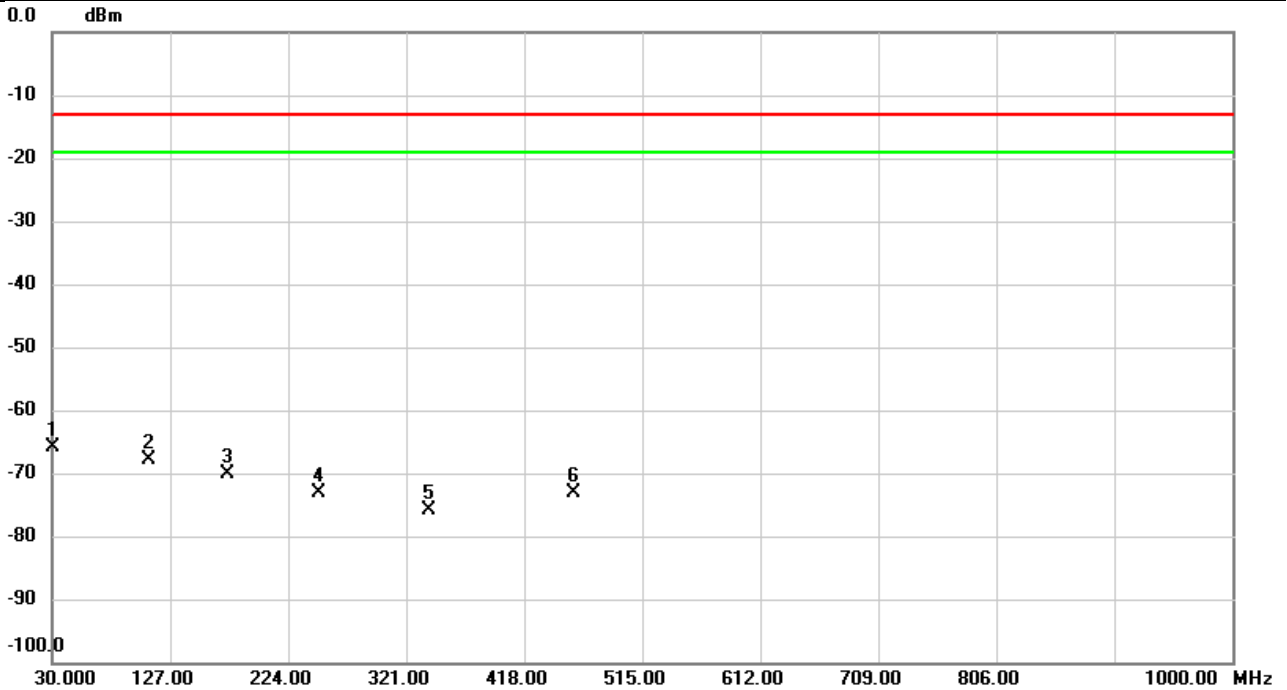
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	31.0347	-68.63	2.76	-65.87	-13.00	-52.87	peak	
2		109.8957	-59.62	-8.13	-67.75	-13.00	-54.75	peak	
3		174.7887	-64.15	-6.07	-70.22	-13.00	-57.22	peak	
4		249.4140	-65.10	-8.01	-73.11	-13.00	-60.11	peak	
5		340.1737	-72.43	-3.32	-75.75	-13.00	-62.75	peak	
6		459.3220	-71.08	-1.93	-73.01	-13.00	-60.01	peak	

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

Test Mode	LTE Band 26	Test Date	2023/11/28
Test Channel	CH26865	Polarization	Vertical
Temp	22°C	Hum.	56%
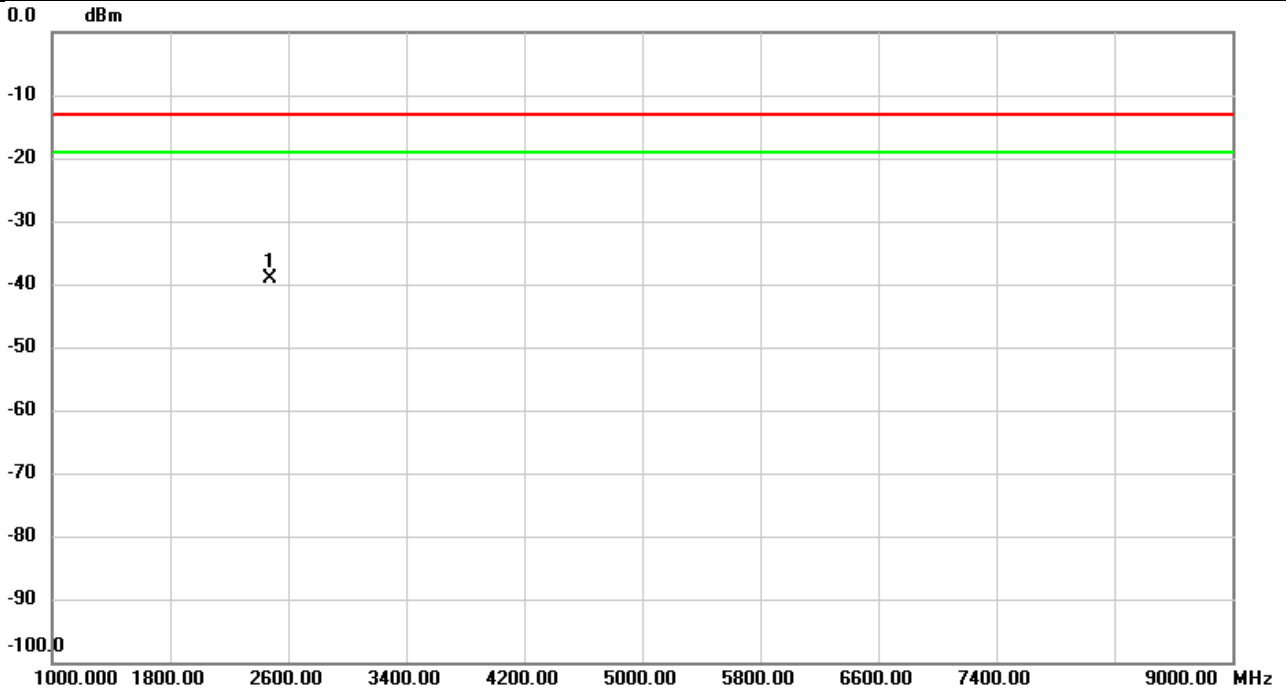
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2481.333	-46.63	7.47	-39.16	-13.00	-26.16	peak	

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

Test Mode	LTE Band 26	Test Date	2023/11/28
Test Channel	CH26865	Polarization	Horizontal
Temp	22°C	Hum.	56%
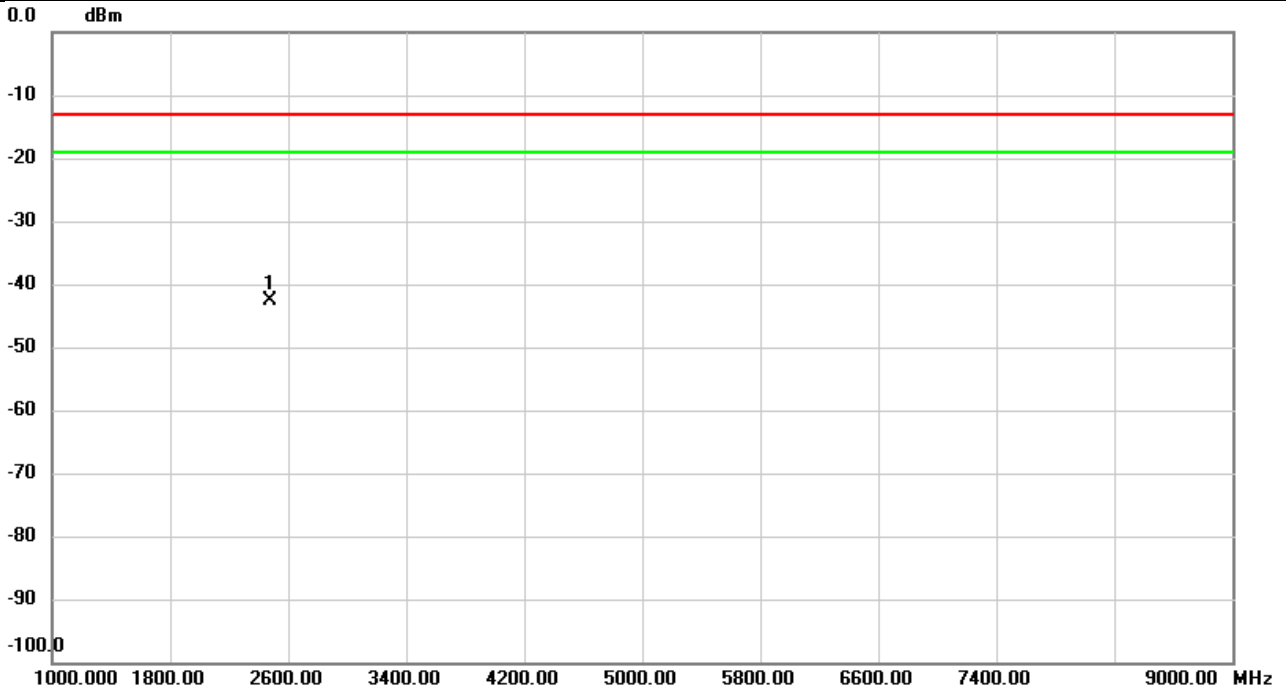
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2481.600	-49.94	7.33	-42.61	-13.00	-29.61	peak	

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

Test Mode	LTE Band 26	Test Date	2023/11/28
Test Channel	CH26915	Polarization	Vertical
Temp	22°C	Hum.	56%
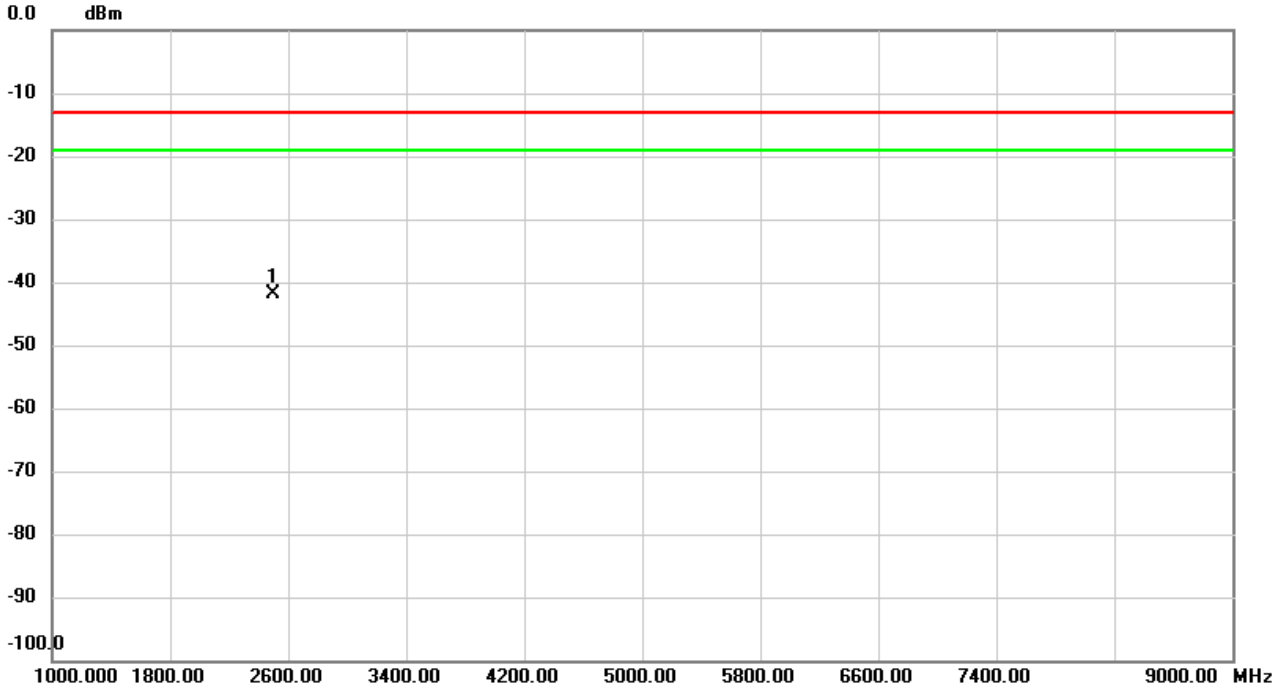
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2496.533	-49.15	7.36	-41.79	-13.00	-28.79	peak	

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

Test Mode	LTE Band 26	Test Date	2023/11/28
Test Channel	CH26915	Polarization	Horizontal
Temp	22°C	Hum.	56%
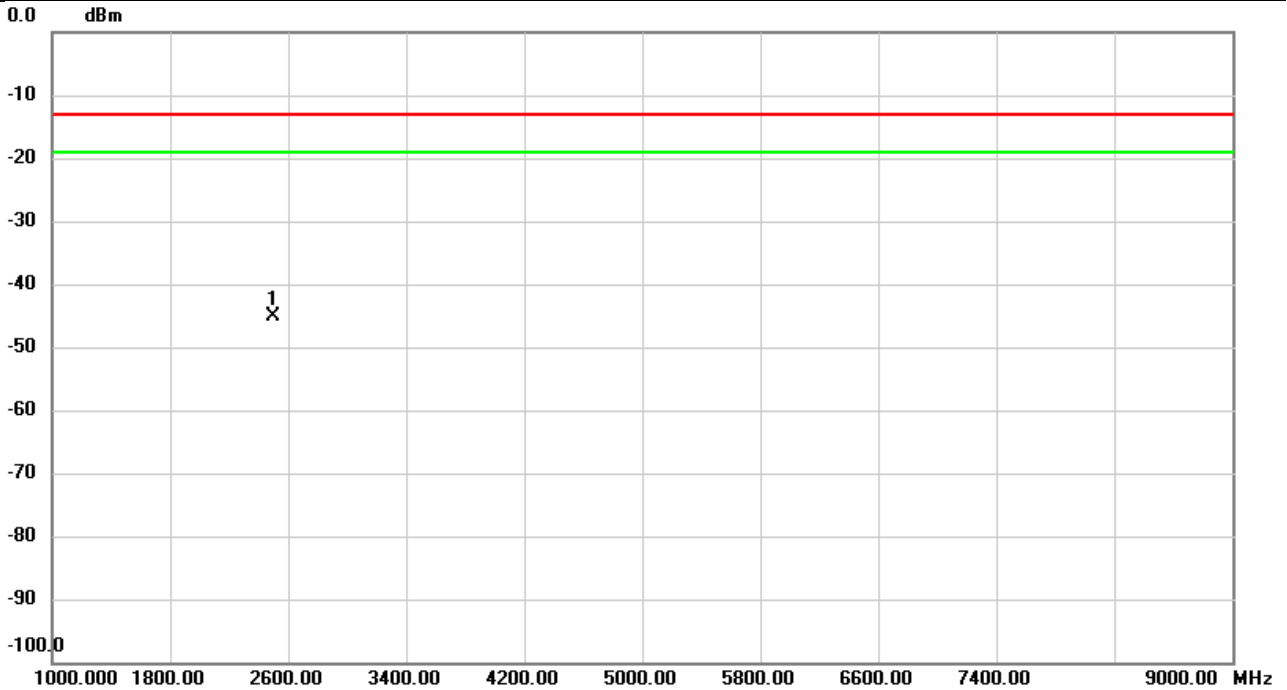
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2496.267	-52.35	7.22	-45.13	-13.00	-32.13	peak	

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

Test Mode	LTE Band 26	Test Date	2023/11/28
Test Channel	CH26965	Polarization	Vertical
Temp	22°C	Hum.	56%
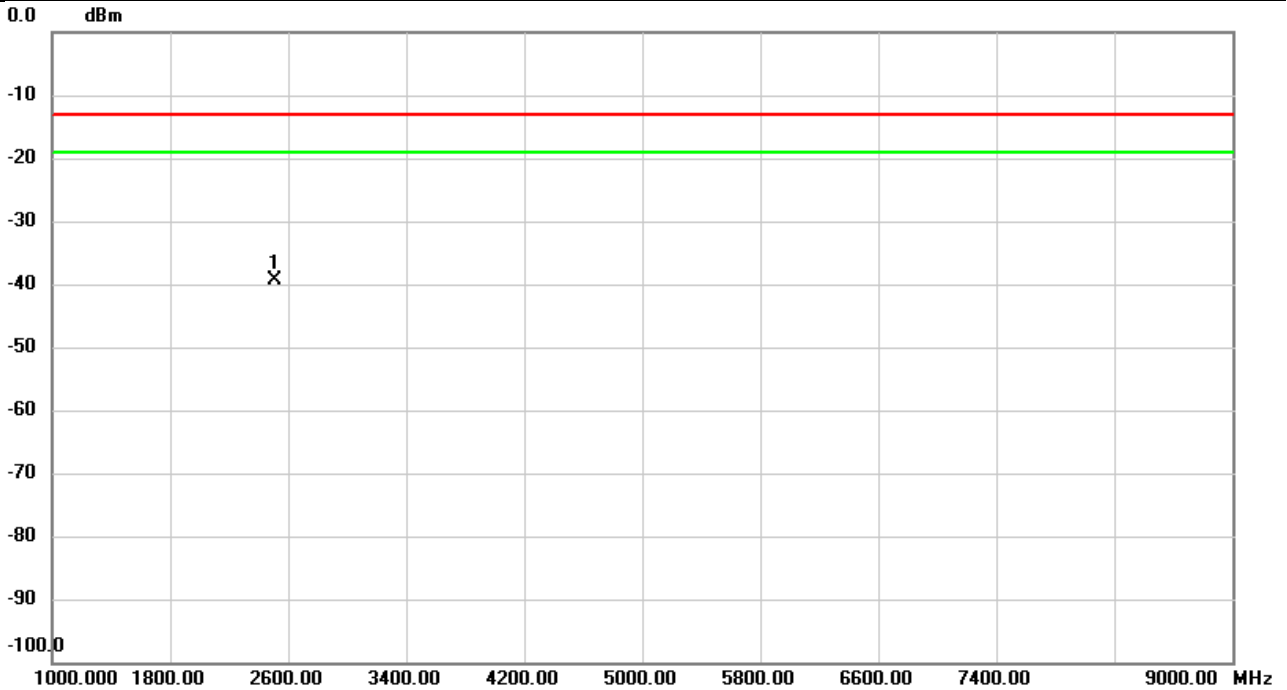
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2511.467	-46.81	7.41	-39.40	-13.00	-26.40	peak	

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

Test Mode	LTE Band 26	Test Date	2023/11/28
Test Channel	CH26965	Polarization	Horizontal
Temp	22°C	Hum.	56%
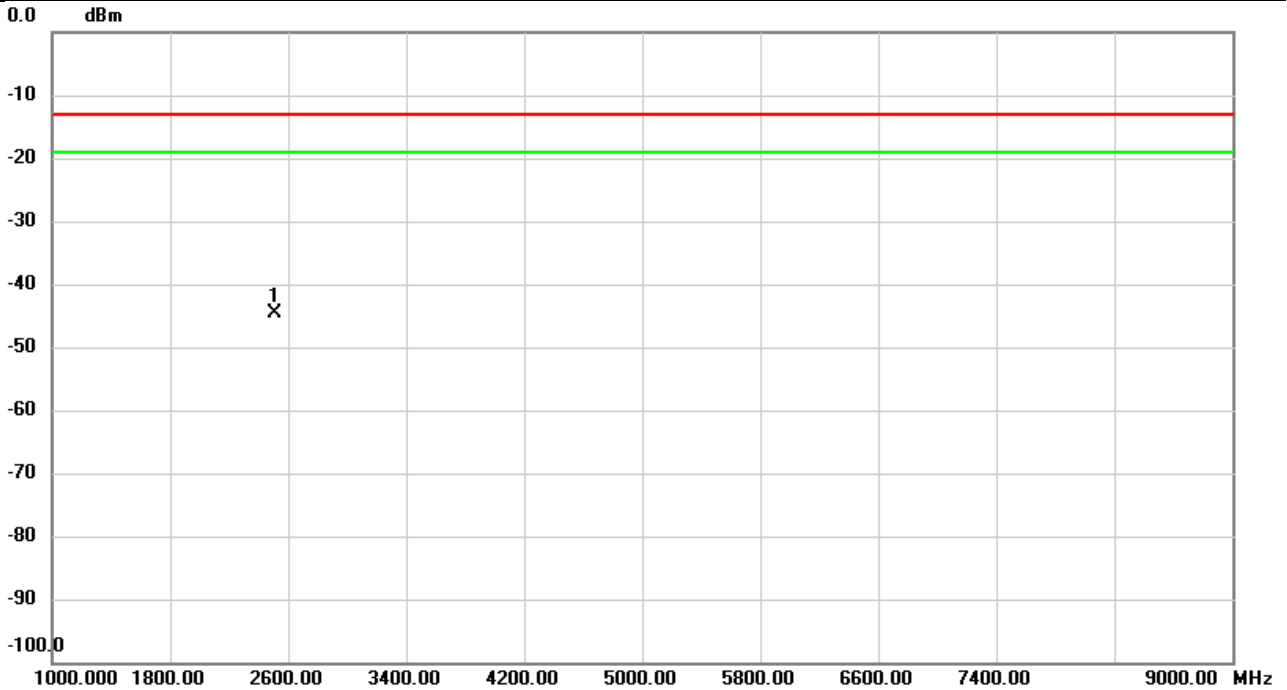
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2511.733	-52.02	7.29	-44.73	-13.00	-31.73	peak	

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

End of Test Report