

FCC Radio Test Report

FCC ID: ZMOL860GL16G

Report No. : BTL-FCCP-1-2212T118
Equipment : LTE Module
Model Name : L860-GL-16
Brand Name : Fibocom
Applicant : Fibocom Wireless Inc.
Address : 1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, ShenZhen, China

Radio Function : WCDMA Band V & LTE Band 5, 26

FCC Rule Part(s) : FCC CFR Title 47, Part 22, Subpart H
Measurement : ANSI C63.26-2015
Procedure(s) : ANSI/TIA-603-E-2016
FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

Date of Receipt : 2022/12/30
Date of Test : 2022/12/30 ~ 2023/3/21
Issued Date : 2023/3/23

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

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Declaration

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

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

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

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

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

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

Limitation

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

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

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2212T118	R00	Original Report.	2023/2/23	Invalid
BTL-FCCP-1-2212T118	R01	Added CA Band.	2023/3/23	Valid

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	Pass	-----
2.1046 22.913(a)(5)	Conducted Output Power Effective Radiated Power	APPENDIX B	Pass	-----
2.1053 22.917(a)	Radiated Spurious Emissions	APPENDIX C	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: ZMOL860GL16G) to be incorporated to the host device (Model number: TP00143B), 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 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

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately **95 %**.

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. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U (dB)
C05	CISPR	150 kHz ~ 30MHz	3.44

B. Effective Radiated Power and 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.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	18 °C, 65 %	AC 120V	Paul Shen
Conducted Output Power	23.62 °C, 53 %	AC 120V	Paul Shen
Effective Radiated Power	Refer to data	AC 120V	Mark Wang
Radiated Spurious Emissions	Refer to data	AC 120V	Mark Wang Eddie Lee

2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	LTE Module			
Model Name	L860-GL-16			
Brand Name	Fibocom			
Model Difference	N/A			
Power Source	Supplied from host system.			
Power Rating	3.3 Vdc			
Host device information				
Equipment	Notebook Computer			
Model Name	TP00143B			
Brand Name	Lenovo			
Model Difference	N/A			
Power Source	DC voltage supplied from External Power Supply.			
Power Rating	For Lenovo / ADL135SLC3A, ADL135SDC3A, ADL135SCC3A: I/P: 100-240V~2.5A 50-60Hz, O/P: 20.0V --- 6.75A 135.0W			
	For Lenovo / ADL230SLC3A, ADL230SDC3A, ADL230SCC3A: I/P: 100-240V~3.5A 50-60Hz, O/P: 20.0V --- 11.5A 230.0W			
	For Lenovo / ADL170SLC3A, ADL170SDC3A, ADL170SCC3A: I/P: 100-240V~2.5A 50-60Hz, O/P: 20.0V --- 8.5A 135.0W			
WLAN Module	Intel® Wi-Fi 6E AX211 / AX211D2W			
WWAN Module	Fibocom / L860-GL-16			
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	-	-	0.078
	LTE 5	1.4	QPSK	0.077
			16QAM	0.063
		3	QPSK	0.078
			16QAM	0.064
		5	QPSK	0.079
			16QAM	0.064
		10	QPSK	0.080
			16QAM	0.065
	LTE 5B_CA	10+10	QPSK	0.191
			16QAM	0.175
	LTE 26	1.4	QPSK	0.074
			16QAM	0.061
		3	QPSK	0.075
			16QAM	0.061
		5	QPSK	0.076
			16QAM	0.062
		10	QPSK	0.077
			16QAM	0.063
		15	QPSK	0.078
			16QAM	0.063
Test Model	L860-GL-16			
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	Part Number	Type	Connector	Gain (dBi)	Note
Main	AWAN	DC33001WF00	PIFA	I-PEX	-2.16	WCDMA Band V
					-2.05	LTE Band 5
Aux	AWAN	DC33001WF10	PIFA	I-PEX	-	LTE Band 26
						RX only

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
AC Power Line Conducted Emissions	-	Normal/Idle	-
Conducted Output Power	WCDMA Band V	Refer to APPENDIX B	-
	LTE Band 5		
	LTE Band 5B_CA		
	LTE Band 26		
Effective Radiated Power	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)	-
Radiated Spurious Emissions	WCDMA Band V	TX Mode (CH 4183)	-
	LTE Band 5	TX Mode (CH 20525)	-
	LTE Band 5B_CA	TX Mode (CH 20450+20549/20476+20575/20501+20600)	-
	LTE Band 26	TX Mode (CH 26865)	-

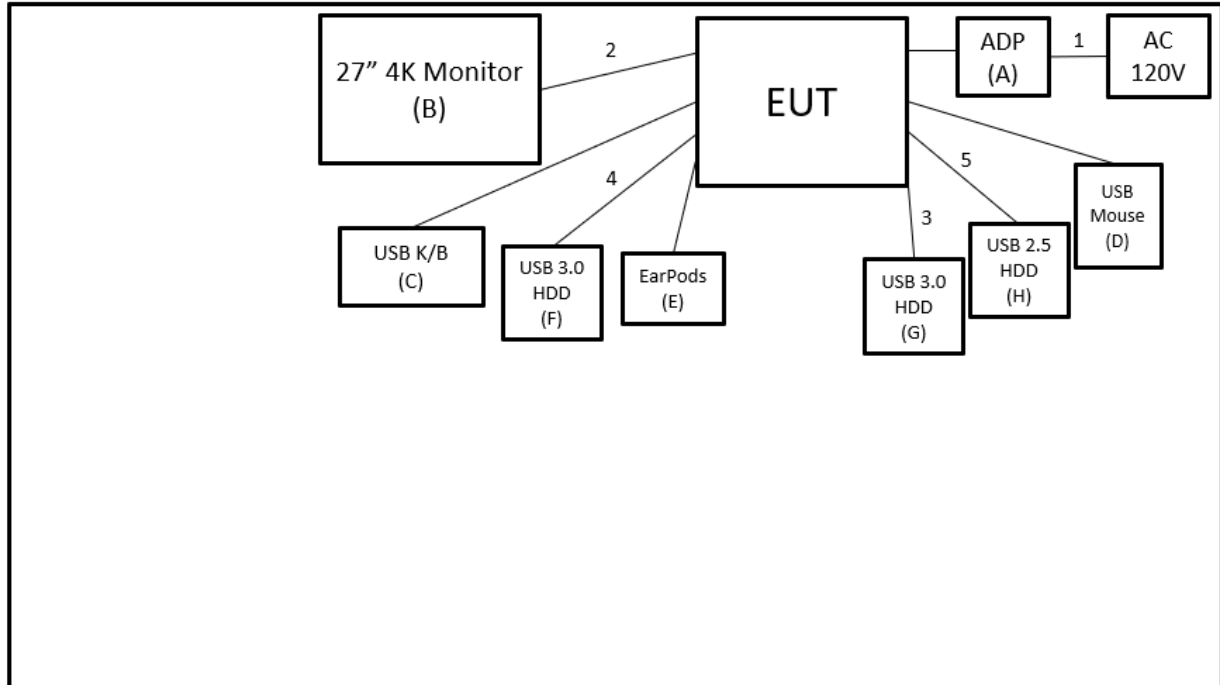
NOTE:

- (1) For Radiated Spurious Emissions both QPSK and 16QAM are evaluated, but only the worst case (QPSK) is recorded.

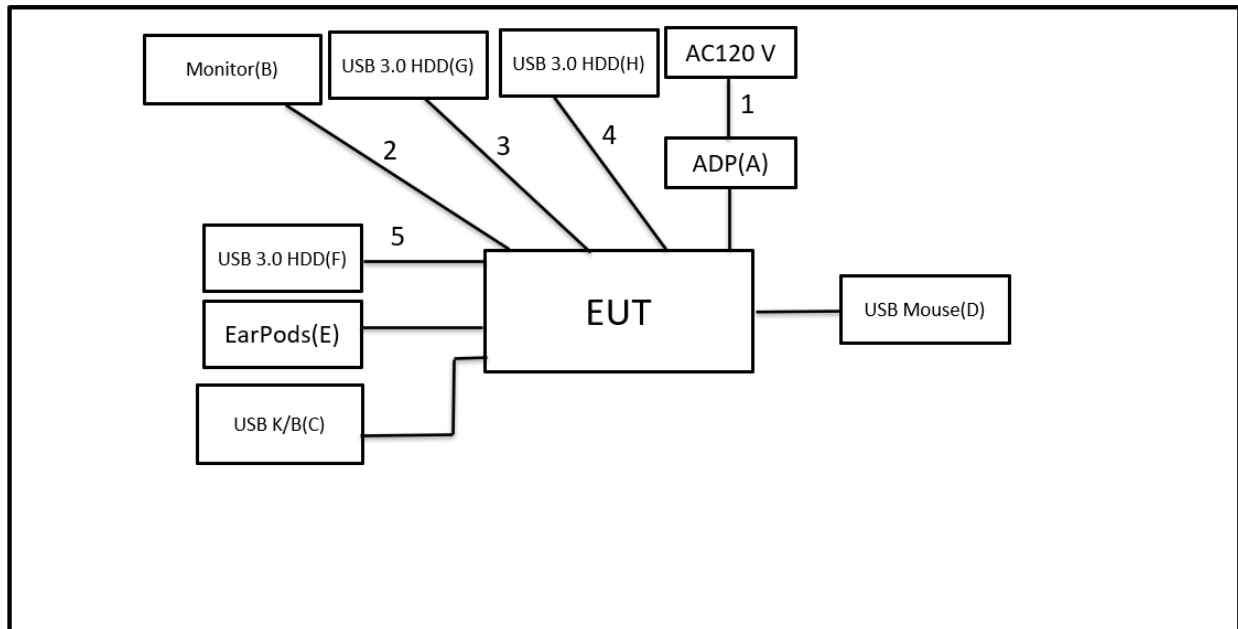
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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

AC Power Line Conducted Emissions Test



Radiated Emissions Test



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Adapter	Lenovo	ADL230SLC3A	N/A	Supplied by test requester.
B	27" 4K Monitor	DELL	U2720Q	CN-083VF-WSL0 0-0B7-332L	Furnished by test lab.
C	USB K/B	DELL	KB216t	CN-0W33XP-L03 00-797-05TY-A03	Furnished by test lab.
D	USB Mouse	DELL	MOCZUL	CN-049TWY-PRC 00-79E-01HA	Furnished by test lab.
E	EarPods	Apple	A1472	N/A	Furnished by test lab.
F	USB 3.0 HDD	WD	WDBC3C0010B SL-0B	WX81A88ALJUC	Furnished by test lab.
G	USB 3.0 HDD	LACIE	1TB Rugged Mini USB3	NL33NGNK	Furnished by test lab.
G*	USB 2.5" HDD	AKITIO	Neutrino U3.1	SK21D1621D003 F	Furnished by test lab.
H	USB 2.5" HDD	AKITIO	Neutrino U3.1	SK21D1621D003 F	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	1.5m	Power Cable	Supplied by test requester.
2	N/A	N/A	1.7m	HDMI Cable	Furnished by test lab.
3	N/A	N/A	0.45m	Type C to Type C Cable	Furnished by test lab.
3*	N/A	N/A	1m	Type C to Type C Cable	Furnished by test lab.
4	N/A	N/A	1.5m	Type C to Type C Cable	Furnished by test lab.
4*	N/A	N/A	0.3m	Type C to Type C Cable	Furnished by test lab.
5	N/A	N/A	0.6m	Type C to Type C Cable	Furnished by test lab.

NOTE: Item "*" is only for radiated emissions test.

3 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.50 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)
 Margin Level = Measurement Value – Limit Value
 Calculation example:

Reading Level		Correct Factor		Measurement Value
38.22	+	3.45	=	41.67

Measurement Value		Limit Value		Margin Level
41.67	-	60	=	-18.33

The following table is the setting of the receiver.

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

3.2 TEST PROCEDURE

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

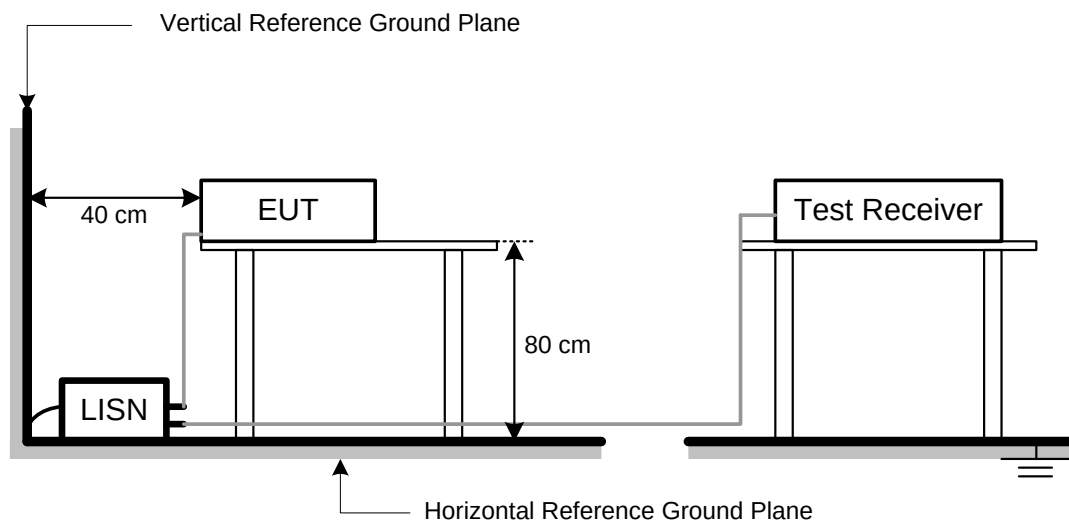
NOTE:

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

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 TEST RESULT

Please refer to the APPENDIX A.

4 EFFECTIVE RADIATED POWER MEASUREMENT

4.1 LIMIT

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

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		Correct Factor		Measurement Value
-29.66	+	34.26	=	4.60

Measurement Value		Limit Value		Margin Level
4.60	-	38.45	=	-33.85

4.2 TEST PROCEDURE

The testing follows FCC KDB 971168 v03r01 Section 5.8.

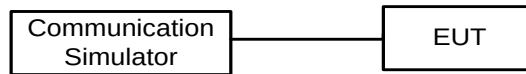
- Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 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 = Output power level of S.G – TX cable loss + 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

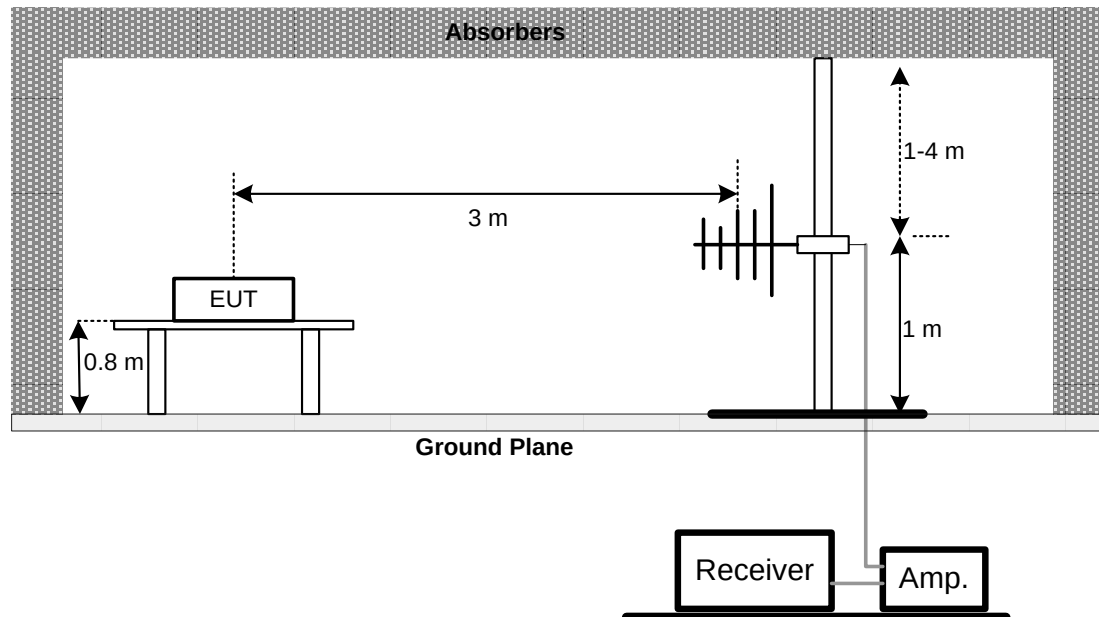
No deviation.

4.4 TEST SETUP

Conducted Measurement:



Radiated Measurement:



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 RADIATED SPURIOUS EMISSIONS MEASUREMENT

5.1 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		Correct Factor		Measurement Value
-50.43	+	-2.11	=	-52.54

Measurement Value		Limit Value		Margin Level
-52.54	-	-13	=	-39.54

5.2 TEST PROCEDURE

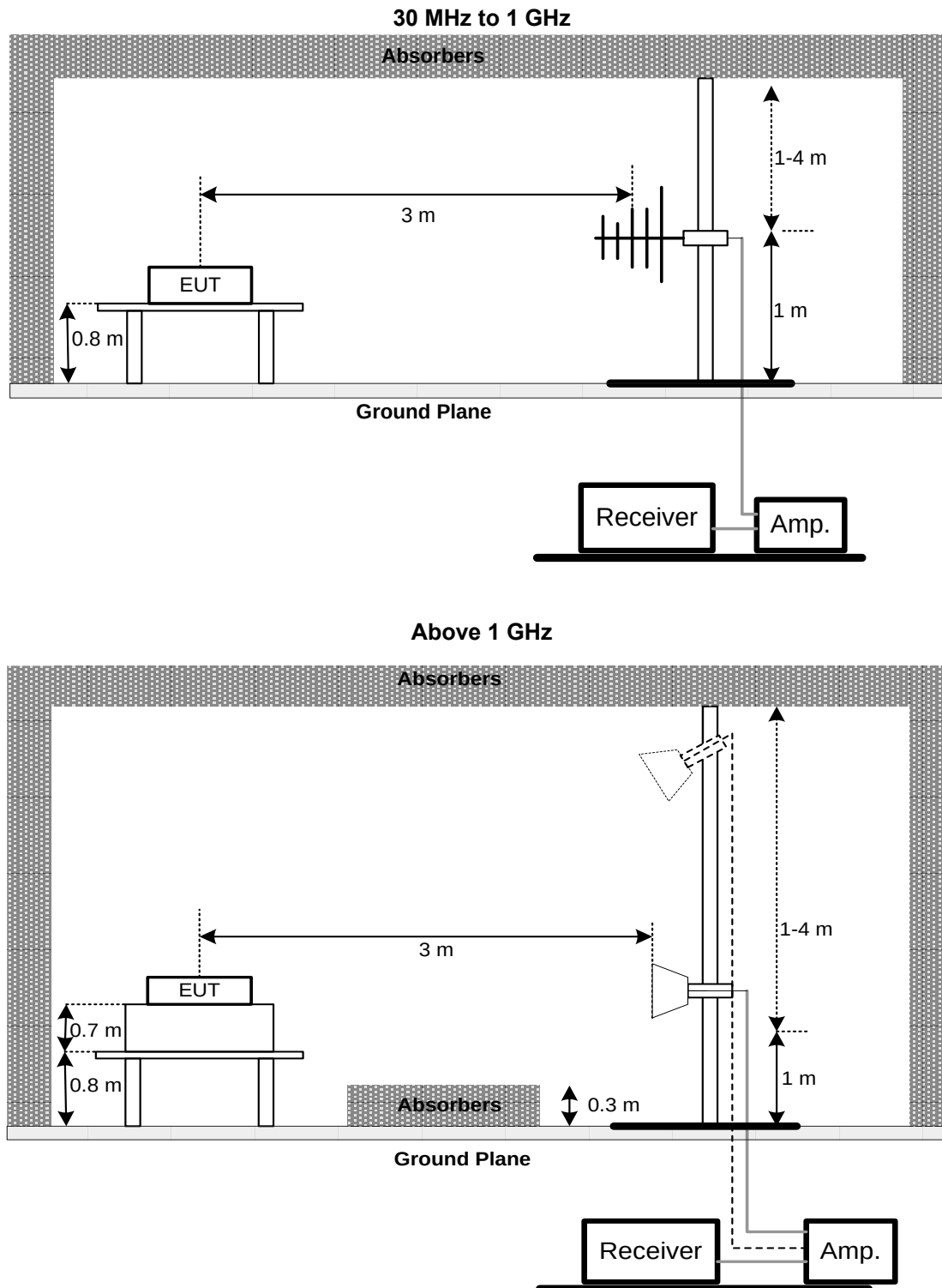
The testing follows FCC KDB 971168 v03r01 Section 6.2.

- 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 = Output power level of S.G – TX cable loss + 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.

5.3 DEVIATION FROM TEST STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULT

Please refer to the APPENDIX C.

6 LIST OF MEASURING EQUIPMENTS

AC Power Line Conducted Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	TWO-LINE V-NETWORK	R&S	ENV216	101521	2022/9/28	2023/9/27
2	Test Cable	EMCI	EMCCFD300-BM-BMR-5000	220331	2022/3/31	2023/3/30
3	EMI Test Receiver	R&S	ESR 7	101433	2022/11/16	2023/11/15
4	Measurement Software	EZ	EZ EMC (Version NB-03A1-01)	N/A	N/A	N/A

Effective Radiated Power and Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC330N	980850	2022/9/19	2023/9/18
2	Preamplifier	EMCI	EMC118A45SE	980819	2022/3/8	2023/3/7
3	Pre-Amplifier	EMCI	EMC184045SE	980907	2022/9/28	2023/9/27
4	Test Cable	EMCI	EMC104-SM-SM-1000	220319	2022/3/15	2023/3/14
5	Test Cable	EMCI	EMC104-SM-SM-3000	220322	2022/3/15	2023/3/14
6	Test Cable	EMCI	EMC104-SM-SM-7000	220324	2022/3/15	2023/3/14
7	EXA Signal Analyzer	keysight	N9020B	MY57120120	2022/3/7	2023/3/6
8	Horn Antenna	RFSPIN	DRH18-E	211202A18EN	2022/5/18	2023/5/17
9	Horn Ant	Schwarzbeck	BBHA 9170D	1136	2022/5/18	2023/5/17
10	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2022/5/20	2023/5/19
11	6dB Attenuator	EMCI	EMCI-N-6-06	AT-N0625	2022/5/20	2023/5/19
12	Test Cable	EMCI	EMC101G-KM-KM-3000	220329	2022/3/15	2023/3/14
13	Test Cable	EMCI	EMC102-KM-KM-1000	220327	44635	2023/3/14
14	Measurement Software	EZ	EZ EMC (Version NB-03A1-01)	N/A	N/A	N/A
15	WIRELESS COMMUNICATION TEST SET	Agilent	E5515C	GB47390193	44749	2023/7/6
16	Radio Communication Test Station	ANRITSU	MT8821C	6262044728	44890	2023/11/24

For LTE Band 5B_CA:

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC330N	980850	2022/9/19	2023/9/18
2	Preamplifier	EMCI	EMC118A45SE	980819	2023/3/7	2024/3/6
3	Pre-Amplifier	EMCI	EMC184045SE	980907	2022/9/28	2023/9/27
4	Test Cable	EMCI	EMC104-SM-SM-1000	220319	2023/3/14	2024/3/13
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	2022/5/18	2023/5/17
9	Horn Ant	Schwarzbeck	BBHA 9170D	1136	2022/5/18	2023/5/17
10	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2022/5/20	2023/5/19
11	6dB Attenuator	EMCI	EMCI-N-6-06	AT-06001	2022/5/20	2023/5/19
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	Radio Communication Analyzer	Keysight	E7515B	MY59020217	2022/7/8	2023/7/7
15	Measurement Software	EZ	EZ EMC (Version NB-03A1-01)	N/A	N/A	N/A

Conducted Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	8960 Series 10 Wireless Com Test Set	Agilent	E5515C	GB47390193	2022/7/7	2023/7/6
2	Radio Communication Analyzer	Anritsu	MT8820C	6201525878	2022/6/16	2023/6/15
3	Radio Communication Analyzer	Anritsu	MT8821C	6262044728	2022/11/24	2023/11/23

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

7 EUT TEST PHOTO

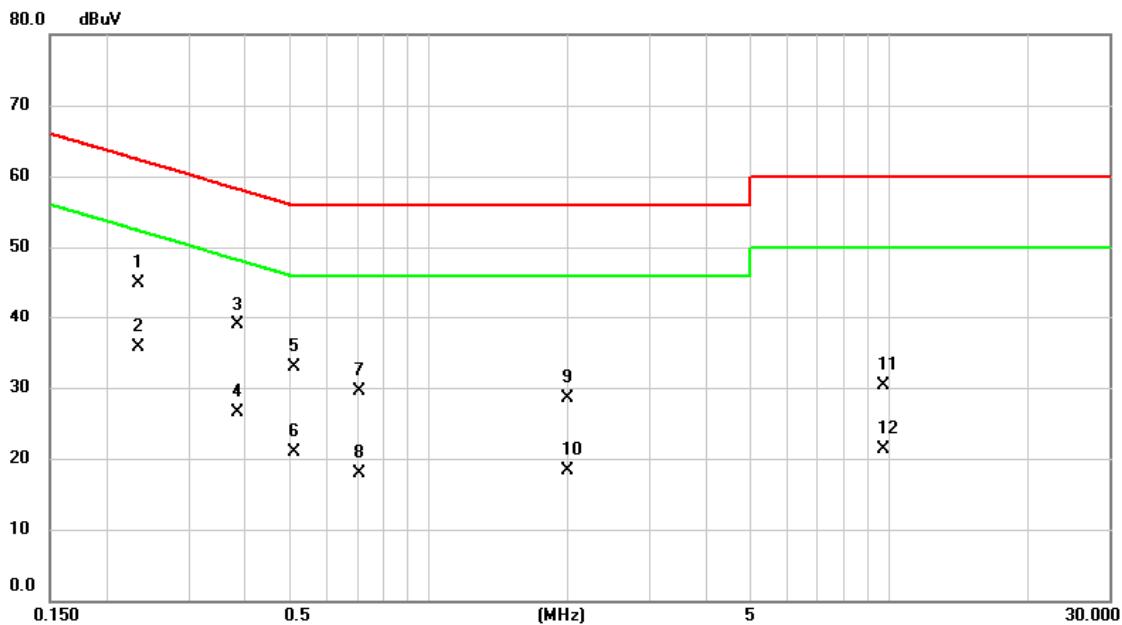
Please refer to document Appendix No.: TP-2212T118-FCCP-1 (APPENDIX-TEST PHOTOS).

8 EUT PHOTOS

Please refer to document Appendix No.: EP-2212T118-2 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Tested Date	2023/2/3
Test Frequency	-	Phase	Line

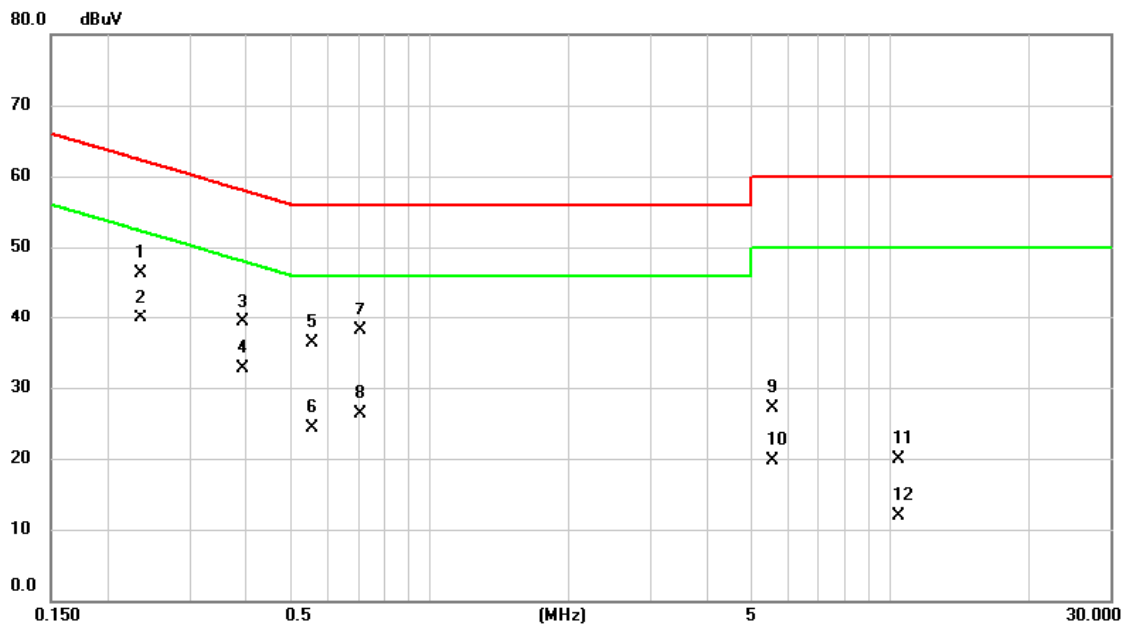


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2333	34.52	10.35	44.87	62.33	-17.46	QP	
2	*	0.2333	25.33	10.35	35.68	52.33	-16.65	AVG	
3		0.3840	28.63	10.36	38.99	58.19	-19.20	QP	
4		0.3840	16.05	10.36	26.41	48.19	-21.78	AVG	
5		0.5100	22.49	10.36	32.85	56.00	-23.15	QP	
6		0.5100	10.54	10.36	20.90	46.00	-25.10	AVG	
7		0.7056	19.20	10.39	29.59	56.00	-26.41	QP	
8		0.7056	7.60	10.39	17.99	46.00	-28.01	AVG	
9		1.9995	18.09	10.44	28.53	56.00	-27.47	QP	
10		1.9995	7.89	10.44	18.33	46.00	-27.67	AVG	
11		9.7530	19.56	10.67	30.23	60.00	-29.77	QP	
12		9.7530	10.67	10.67	21.34	50.00	-28.66	AVG	

REMARKS:

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

Test Mode	Normal	Tested Date	2023/2/3
Test Frequency	-	Phase	Neutral

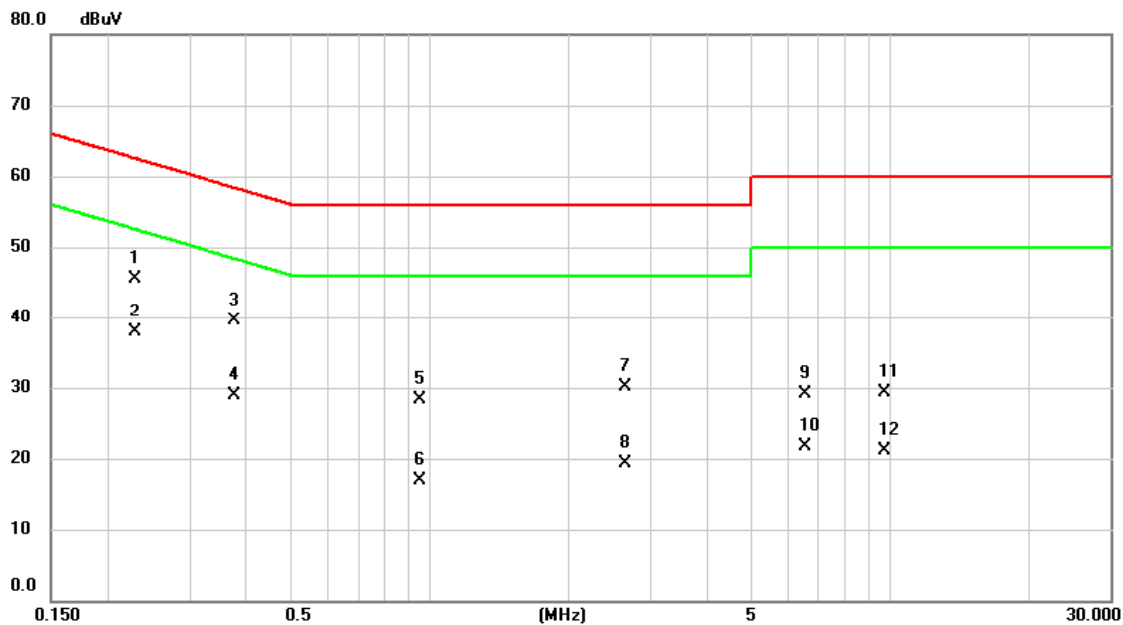


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.2355	35.91	10.35	46.26	62.25	-15.99	QP	
2	*	0.2355	29.63	10.35	39.98	52.25	-12.27	AVG	
3		0.3930	28.99	10.37	39.36	58.00	-18.64	QP	
4		0.3930	22.37	10.37	32.74	48.00	-15.26	AVG	
5		0.5571	25.88	10.37	36.25	56.00	-19.75	QP	
6		0.5571	13.98	10.37	24.35	46.00	-21.65	AVG	
7		0.7080	27.63	10.40	38.03	56.00	-17.97	QP	
8		0.7080	15.83	10.40	26.23	46.00	-19.77	AVG	
9		5.5635	16.53	10.55	27.08	60.00	-32.92	QP	
10		5.5635	9.16	10.55	19.71	50.00	-30.29	AVG	
11		10.4078	9.22	10.67	19.89	60.00	-40.11	QP	
12		10.4078	1.33	10.67	12.00	50.00	-38.00	AVG	

REMARKS:

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

Test Mode	Idle	Tested Date	2023/2/3
Test Frequency	-	Phase	Line

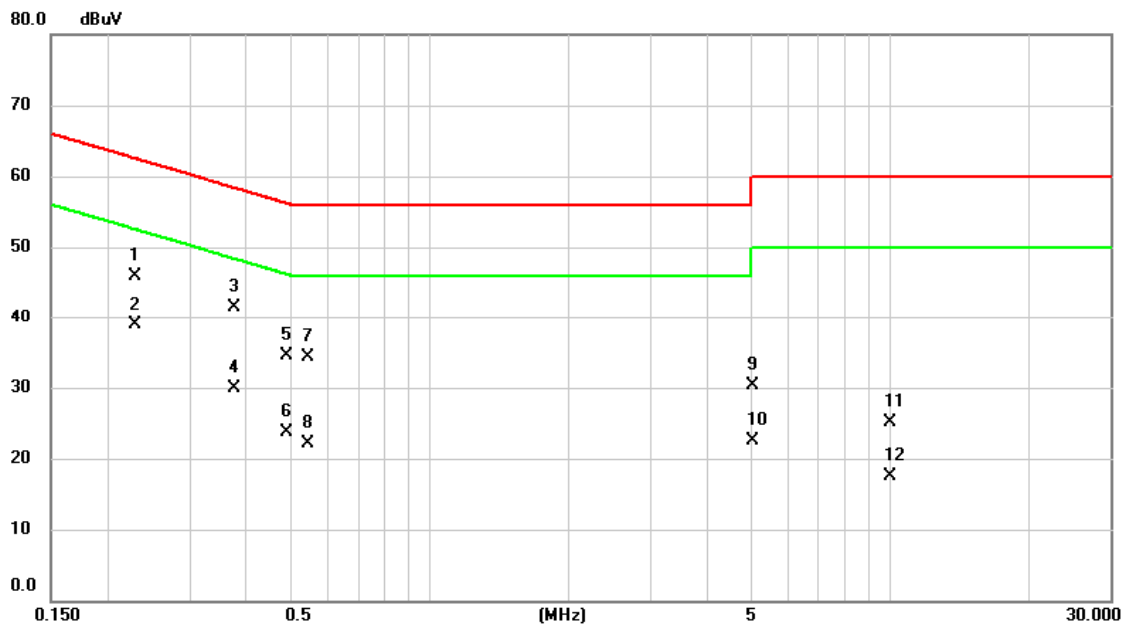


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2288	35.13	10.35	45.48	62.49	-17.01	QP	
2	*	0.2288	27.63	10.35	37.98	52.49	-14.51	AVG	
3		0.3772	29.22	10.36	39.58	58.34	-18.76	QP	
4		0.3772	18.53	10.36	28.89	48.34	-19.45	AVG	
5		0.9487	17.88	10.41	28.29	56.00	-27.71	QP	
6		0.9487	6.40	10.41	16.81	46.00	-29.19	AVG	
7		2.6475	19.70	10.47	30.17	56.00	-25.83	QP	
8		2.6475	8.80	10.47	19.27	46.00	-26.73	AVG	
9		6.5445	18.51	10.56	29.07	60.00	-30.93	QP	
10		6.5445	11.24	10.56	21.80	50.00	-28.20	AVG	
11		9.7530	18.70	10.67	29.37	60.00	-30.63	QP	
12		9.7530	10.42	10.67	21.09	50.00	-28.91	AVG	

REMARKS:

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

Test Mode	Idle	Tested Date	2023/2/3
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2288	35.63	10.35	45.98	62.49	-16.51	QP	
2	*	0.2288	28.64	10.35	38.99	52.49	-13.50	AVG	
3		0.3772	31.12	10.37	41.49	58.34	-16.85	QP	
4		0.3772	19.56	10.37	29.93	48.34	-18.41	AVG	
5		0.4897	24.06	10.37	34.43	56.17	-21.74	QP	
6		0.4897	13.30	10.37	23.67	46.17	-22.50	AVG	
7		0.5437	23.95	10.37	34.32	56.00	-21.68	QP	
8		0.5437	11.69	10.37	22.06	46.00	-23.94	AVG	
9		5.0438	19.69	10.53	30.22	60.00	-29.78	QP	
10		5.0438	12.05	10.53	22.58	50.00	-27.42	AVG	
11		9.9780	14.38	10.67	25.05	60.00	-34.95	QP	
12		9.9780	6.88	10.67	17.55	50.00	-32.45	AVG	

REMARKS:

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

APPENDIX B EFFECTIVE RADIATED POWER

Conducted Output Power and calculated ERP:

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	22.94	18.63	0.073
		4183/4408	836.6	23.22	18.91	0.078
		4233/4458	846.6	23.10	18.79	0.076

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	22.84	18.53	0.071
		4183/4408	836.6	23.18	18.87	0.077
		4233/4458	846.6	22.98	18.67	0.074
	2	4132/4357	826.4	22.84	18.53	0.071
		4183/4408	836.6	22.93	18.62	0.073
		4233/4458	846.6	22.92	18.61	0.073
	3	4132/4357	826.4	22.35	18.04	0.064
		4183/4408	836.6	22.44	18.13	0.065
		4233/4458	846.6	22.47	18.16	0.065
	4	4132/4357	826.4	22.39	18.08	0.064
		4183/4408	836.6	22.48	18.17	0.066
		4233/4458	846.6	22.44	18.13	0.065

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	22.84	18.53	0.071
		4183/4408	836.6	22.94	18.63	0.073
		4233/4458	846.6	22.84	18.53	0.071
	2	4132/4357	826.4	21.23	16.92	0.049
		4183/4408	836.6	21.38	17.07	0.051
		4233/4458	846.6	21.34	17.03	0.050
	3	4132/4357	826.4	22.26	17.95	0.062
		4183/4408	836.6	22.37	18.06	0.064
		4233/4458	846.6	22.34	18.03	0.064
	4	4132/4357	826.4	21.26	16.95	0.050
		4183/4408	836.6	21.34	17.03	0.050
		4233/4458	846.6	21.36	17.05	0.051
	5	4132/4357	826.4	23.16	18.85	0.077
		4183/4408	836.6	23.26	18.95	0.079
		4233/4458	846.6	23.24	18.93	0.078

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	18.78	0.076
					1	2	0	23.11	18.80	0.076
					1	5	0	22.95	18.64	0.073
					3	0	0	23.09	18.78	0.076
					3	1	0	23.11	18.80	0.076
					3	2	0	22.95	18.64	0.073
				16QAM	6	0	1	22.20	17.89	0.062
					1	0	1	22.18	17.87	0.061
					1	2	1	22.21	17.90	0.062
					1	5	1	22.06	17.75	0.060
					3	0	1	22.18	17.87	0.061
					3	1	1	22.21	17.90	0.062
					3	2	1	22.06	17.75	0.060
					6	0	2	21.14	16.83	0.048
		20525	836.5	QPSK	1	0	0	23.20	18.89	0.077
					1	2	0	23.12	18.81	0.076
					1	5	0	23.13	18.82	0.076
					3	0	0	23.20	18.89	0.077
					3	1	0	23.12	18.81	0.076
					3	2	0	23.13	18.82	0.076
				16QAM	6	0	1	22.31	18.00	0.063
					1	0	1	22.29	17.98	0.063
					1	2	1	22.22	17.91	0.062
					1	5	1	22.24	17.93	0.062
					3	0	1	22.29	17.98	0.063
					3	1	1	22.22	17.91	0.062
					3	2	1	22.24	17.93	0.062
					6	0	2	21.18	16.87	0.049
		20643	848.3	QPSK	1	0	0	23.18	18.87	0.077
					1	2	0	22.95	18.64	0.073
					1	5	0	22.88	18.57	0.072
					3	0	0	23.18	18.87	0.077
					3	1	0	22.95	18.64	0.073
					3	2	0	22.88	18.57	0.072
				16QAM	6	0	1	22.29	17.98	0.063
					1	0	1	22.27	17.96	0.063
					1	2	1	22.05	17.74	0.059
					1	5	1	21.99	17.68	0.059
					3	0	1	22.27	17.96	0.063
					3	1	1	22.05	17.74	0.059
					3	2	1	21.99	17.68	0.059
					6	0	2	20.93	16.62	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	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	23.14	18.83	0.076
					1	7	0	23.16	18.85	0.077
					1	14	0	23.00	18.69	0.074
					8	0	1	22.25	17.94	0.062
					8	4	1	22.32	18.01	0.063
					8	7	1	22.14	17.83	0.061
				16QAM	15	0	1	22.25	17.94	0.062
					1	0	1	22.23	17.92	0.062
					1	7	1	22.26	17.95	0.062
					1	14	1	22.11	17.80	0.060
					8	0	2	21.05	16.74	0.047
					8	4	2	21.27	16.96	0.050
		20525	836.5	QPSK	8	7	2	21.22	16.91	0.049
					15	0	2	21.19	16.88	0.049
				16QAM	1	0	0	23.25	18.94	0.078
					1	7	0	23.17	18.86	0.077
					1	14	0	23.18	18.87	0.077
					8	0	1	22.36	18.05	0.064
					8	4	1	22.33	18.02	0.063
					8	7	1	22.32	18.01	0.063
					15	0	1	22.36	18.05	0.064
		20635	847.5	QPSK	1	0	1	22.34	18.03	0.064
					1	7	1	22.27	17.96	0.063
					1	14	1	22.29	17.98	0.063
					8	0	2	21.23	16.92	0.049
					8	4	2	21.28	16.97	0.050
					8	7	2	21.23	16.92	0.049
				16QAM	15	0	2	21.20	16.89	0.049
					1	0	0	23.23	18.92	0.078
					1	7	0	23.00	18.69	0.074
					1	14	0	22.93	18.62	0.073
					8	0	1	22.34	18.03	0.064
					8	4	1	22.16	17.85	0.061
					8	7	1	22.07	17.76	0.060
					15	0	1	22.34	18.03	0.064
				16QAM	1	0	1	22.32	18.01	0.063
					1	7	1	22.10	17.79	0.060
					1	14	1	22.04	17.73	0.059
					8	0	2	20.98	16.67	0.046
					8	4	2	21.11	16.80	0.048
					8	7	2	21.06	16.75	0.047
					15	0	2	21.03	16.72	0.047

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	23.19	18.88	0.077
					1	12	0	23.21	18.90	0.078
					1	24	0	23.05	18.74	0.075
					12	0	1	22.30	17.99	0.063
					12	6	1	22.37	18.06	0.064
					12	11	1	22.19	17.88	0.061
				16QAM	25	0	1	22.30	17.99	0.063
					1	0	1	22.28	17.97	0.063
					1	12	1	22.31	18.00	0.063
					1	24	1	22.16	17.85	0.061
					12	0	2	21.10	16.79	0.048
					12	6	2	21.32	17.01	0.050
					12	11	2	21.27	16.96	0.050
					25	0	2	21.24	16.93	0.049
		20525	836.5	QPSK	1	0	0	23.30	18.99	0.079
					1	12	0	23.22	18.91	0.078
					1	24	0	23.23	18.92	0.078
					12	0	1	22.41	18.10	0.065
					12	6	1	22.38	18.07	0.064
					12	11	1	22.37	18.06	0.064
				16QAM	25	0	1	22.41	18.10	0.065
					1	0	1	22.39	18.08	0.064
					1	12	1	22.32	18.01	0.063
					1	24	1	22.34	18.03	0.064
					12	0	2	21.28	16.97	0.050
					12	6	2	21.33	17.02	0.050
					12	11	2	21.28	16.97	0.050
					25	0	2	21.25	16.94	0.049
		20625	846.5	QPSK	1	0	0	23.28	18.97	0.079
					1	12	0	23.05	18.74	0.075
					1	24	0	22.98	18.67	0.074
					12	0	1	22.39	18.08	0.064
					12	6	1	22.21	17.90	0.062
					12	11	1	22.12	17.81	0.060
				16QAM	25	0	1	22.39	18.08	0.064
					1	0	1	22.37	18.06	0.064
					1	12	1	22.15	17.84	0.061
					1	24	1	22.09	17.78	0.060
					12	0	2	21.03	16.72	0.047
					12	6	2	21.16	16.85	0.048
					12	11	2	21.11	16.80	0.048
					25	0	2	21.08	16.77	0.048

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	10	20450	829.0	QPSK	1	0	0	23.24	18.93	0.078
					1	24	0	23.26	18.95	0.079
					1	49	0	23.10	18.79	0.076
					25	0	1	22.35	18.04	0.064
					25	12	1	22.42	18.11	0.065
					25	24	1	22.24	17.93	0.062
				16QAM	50	0	1	22.35	18.04	0.064
					1	0	1	22.33	18.02	0.063
					1	24	1	22.36	18.05	0.064
					1	49	1	22.21	17.90	0.062
					25	0	2	21.15	16.84	0.048
					25	12	2	21.37	17.06	0.051
		20525	836.5	QPSK	25	24	2	21.32	17.01	0.050
					50	0	2	21.29	16.98	0.050
				16QAM	1	0	0	23.35	19.04	0.080
					1	24	0	23.27	18.96	0.079
					1	49	0	23.28	18.97	0.079
					25	0	1	22.46	18.15	0.065
					25	12	1	22.43	18.12	0.065
					25	24	1	22.42	18.11	0.065
					50	0	1	22.46	18.15	0.065
		20600	844.0	QPSK	1	0	1	22.44	18.13	0.065
					1	24	1	22.37	18.06	0.064
					1	49	1	22.39	18.08	0.064
					25	0	2	21.33	17.02	0.050
					25	12	2	21.38	17.07	0.051
					25	24	2	21.33	17.02	0.050
				16QAM	50	0	2	21.30	16.99	0.050
					1	0	0	23.33	19.02	0.080
					1	24	0	23.10	18.79	0.076
					1	49	0	23.03	18.72	0.074
					25	0	1	22.44	18.13	0.065
					25	12	1	22.26	17.95	0.062
					25	24	1	22.17	17.86	0.061
					50	0	1	22.44	18.13	0.065
				16QAM	1	0	1	22.42	18.11	0.065
					1	24	1	22.20	17.89	0.062
					1	49	1	22.14	17.83	0.061
					25	0	2	21.08	16.77	0.048
					25	12	2	21.21	16.90	0.049
					25	24	2	21.16	16.85	0.048
					50	0	2	21.13	16.82	0.048

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

LTE Band 5B_CA Power:

Band	PCC Channe	SCC Channe	BW (MHz)	Mode	PCC		SCC		Measured Power (dBm)	Measured Power (W)
					RB Size	RB offset	RB Size	RB offset		
5B	20450	20549	Combination 10MHz+10MHz (50RB+50RB)	QPSK	1	0	1	49	12.31	0.0170
					0	49	1	0	22.16	0.1644
					50	0	50	0	20.67	0.1167
	16QAM	1		0	1	49	12.88	0.0194		
		1		49	1	0	21.74	0.1493		
	QPSK	1		0	1	49	11.94	0.0156		
		0		49	1	0	22.82	0.1914		
		50		0	50	0	20.19	0.1045		
	16QAM	1		0	1	49	12.31	0.0170		
		1		49	1	0	22.43	0.1750		
	20501	20600		QPSK	1	0	1	49	12.07	0.0161
					0	49	1	0	22.28	0.1690
					50	0	50	0	20.35	0.1084
				16QAM	1	0	1	49	11.73	0.0149
					1	49	1	0	21.37	0.1371

NOTE:

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

LTE Band 26 Power:

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
Band 26	1.4M	26797	824.7	QPSK	1	0	0	22.77	18.57	0.072
					1	2	0	22.51	18.31	0.068
					1	5	0	21.40	17.20	0.052
					3	0	0	22.77	18.57	0.072
					3	1	0	22.51	18.31	0.068
					3	2	0	21.40	17.20	0.052
					6	0	1	21.88	17.68	0.059
				16QAM	1	0	1	21.86	17.66	0.058
					1	2	1	21.61	17.41	0.055
					1	5	1	20.51	16.31	0.043
					3	0	1	21.86	17.66	0.058
					3	1	1	21.61	17.41	0.055
					3	2	1	20.51	16.31	0.043
					6	0	2	20.54	16.34	0.043
		26915	836.5	QPSK	1	0	0	22.40	18.20	0.066
					1	2	0	22.92	18.72	0.074
					1	5	0	22.73	18.53	0.071
					3	0	0	22.40	18.20	0.066
					3	1	0	22.92	18.72	0.074
					3	2	0	22.73	18.53	0.071
				16QAM	6	0	1	21.51	17.31	0.054
					1	0	1	21.49	17.29	0.054
					1	2	1	22.02	17.82	0.061
					1	5	1	21.84	17.64	0.058
					3	0	1	21.49	17.29	0.054
					3	1	1	22.02	17.82	0.061
					3	2	1	21.84	17.64	0.058
		27033	848.3	QPSK	6	0	2	20.78	16.58	0.045
					1	0	0	22.41	18.21	0.066
					1	2	0	22.22	18.02	0.063
					1	5	0	21.38	17.18	0.052
					3	0	0	22.41	18.21	0.066
					3	1	0	22.22	18.02	0.063
				16QAM	3	2	0	21.38	17.18	0.052
					6	0	1	21.52	17.32	0.054
					1	0	1	21.50	17.30	0.054
					1	2	1	21.32	17.12	0.052
					1	5	1	20.49	16.29	0.043
					3	0	1	21.50	17.30	0.054
					3	1	1	21.32	17.12	0.052
					3	2	1	20.49	16.29	0.043
					6	0	2	19.43	15.23	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 Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
Band 26	3M	26805	825.5	QPSK	1	0	0	22.82	18.62	0.073
					1	7	0	22.56	18.36	0.069
					1	14	0	21.45	17.25	0.053
					8	0	1	21.93	17.73	0.059
					8	4	1	21.72	17.52	0.056
					8	7	1	20.59	16.39	0.044
					15	0	1	21.93	17.73	0.059
				16QAM	1	0	1	21.91	17.71	0.059
					1	7	1	21.66	17.46	0.056
					1	14	1	20.56	16.36	0.043
					8	0	2	19.50	15.30	0.034
					8	4	2	20.67	16.47	0.044
					8	7	2	20.62	16.42	0.044
					15	0	2	20.59	16.39	0.044
		26915	836.5	QPSK	1	0	0	22.45	18.25	0.067
					1	7	0	22.97	18.77	0.075
					1	14	0	22.78	18.58	0.072
					8	0	1	21.56	17.36	0.054
					8	4	1	22.13	17.93	0.062
					8	7	1	21.92	17.72	0.059
				16QAM	15	0	1	21.56	17.36	0.054
					1	0	1	21.54	17.34	0.054
					1	7	1	22.07	17.87	0.061
					1	14	1	21.89	17.69	0.059
					8	0	2	20.83	16.63	0.046
					8	4	2	21.08	16.88	0.049
					8	7	2	21.03	16.83	0.048
					15	0	2	21.00	16.80	0.048
		27025	847.5	QPSK	1	0	0	22.46	18.26	0.067
					1	7	0	22.27	18.07	0.064
					1	14	0	21.43	17.23	0.053
					8	0	1	21.57	17.37	0.055
					8	4	1	21.43	17.23	0.053
					8	7	1	20.57	16.37	0.043
				16QAM	15	0	1	21.57	17.37	0.055
					1	0	1	21.55	17.35	0.054
					1	7	1	21.37	17.17	0.052
					1	14	1	20.54	16.34	0.043
					8	0	2	19.48	15.28	0.034
					8	4	2	20.38	16.18	0.041
					8	7	2	20.33	16.13	0.041
					15	0	2	20.30	16.10	0.041

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 Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
Band 26	5M	26815	826.5	QPSK	1	0	0	22.87	18.67	0.074
					1	12	0	22.61	18.41	0.069
					1	24	0	21.50	17.30	0.054
					12	0	1	21.98	17.78	0.060
					12	6	1	21.77	17.57	0.057
					12	11	1	20.64	16.44	0.044
					25	0	1	21.98	17.78	0.060
				16QAM	1	0	1	21.96	17.76	0.060
					1	12	1	21.71	17.51	0.056
					1	24	1	20.61	16.41	0.044
					12	0	2	19.55	15.35	0.034
					12	6	2	20.72	16.52	0.045
					12	11	2	20.67	16.47	0.044
					25	0	2	20.64	16.44	0.044
		26915	836.5	QPSK	1	0	0	22.50	18.30	0.068
					1	12	0	23.02	18.82	0.076
					1	24	0	22.83	18.63	0.073
					12	0	1	21.61	17.41	0.055
					12	6	1	22.18	17.98	0.063
					12	11	1	21.97	17.77	0.060
					25	0	1	21.61	17.41	0.055
				16QAM	1	0	1	21.59	17.39	0.055
					1	12	1	22.12	17.92	0.062
					1	24	1	21.94	17.74	0.059
					12	0	2	20.88	16.68	0.047
					12	6	2	21.13	16.93	0.049
					12	11	2	21.08	16.88	0.049
		27015	846.5	QPSK	25	0	2	21.05	16.85	0.048
					1	0	0	22.51	18.31	0.068
					1	12	0	22.32	18.12	0.065
					1	24	0	21.48	17.28	0.053
					12	0	1	21.62	17.42	0.055
					12	6	1	21.48	17.28	0.053
					12	11	1	20.62	16.42	0.044
					25	0	1	21.62	17.42	0.055
				16QAM	1	0	1	21.60	17.40	0.055
					1	12	1	21.42	17.22	0.053
					1	24	1	20.59	16.39	0.044
					12	0	2	19.53	15.33	0.034
					12	6	2	20.43	16.23	0.042
					12	11	2	20.38	16.18	0.041
					25	0	2	20.35	16.15	0.041

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 Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
Band 26	10M	26840	829.0	QPSK	1	0	0	22.92	18.72	0.074
					1	24	0	22.66	18.46	0.070
					1	49	0	21.55	17.35	0.054
					25	0	1	22.03	17.83	0.061
					25	12	1	21.82	17.62	0.058
					25	24	1	20.69	16.49	0.045
					50	0	1	22.03	17.83	0.061
				16QAM	1	0	1	22.01	17.81	0.060
					1	24	1	21.76	17.56	0.057
					1	49	1	20.66	16.46	0.044
					25	0	2	19.60	15.40	0.035
					25	12	2	20.77	16.57	0.045
					25	24	2	20.72	16.52	0.045
					50	0	2	20.69	16.49	0.045
		26915	836.5	QPSK	1	0	0	22.55	18.35	0.068
					1	24	0	23.07	18.87	0.077
					1	49	0	22.88	18.68	0.074
					25	0	1	21.66	17.46	0.056
					25	12	1	22.23	18.03	0.064
					25	24	1	22.02	17.82	0.061
					50	0	1	21.66	17.46	0.056
				16QAM	1	0	1	21.64	17.44	0.055
					1	24	1	22.17	17.97	0.063
					1	49	1	21.99	17.79	0.060
					25	0	2	20.93	16.73	0.047
					25	12	2	21.18	16.98	0.050
					25	24	2	21.13	16.93	0.049
					50	0	2	21.10	16.90	0.049
		26990	844.0	QPSK	1	0	0	22.56	18.36	0.069
					1	24	0	22.37	18.17	0.066
					1	49	0	21.53	17.33	0.054
					25	0	1	21.67	17.47	0.056
					25	12	1	21.53	17.33	0.054
					25	24	1	20.67	16.47	0.044
					50	0	1	21.67	17.47	0.056
				16QAM	1	0	1	21.65	17.45	0.056
					1	24	1	21.47	17.27	0.053
					1	49	1	20.64	16.44	0.044
					25	0	2	19.58	15.38	0.035
					25	12	2	20.48	16.28	0.042
					25	24	2	20.43	16.23	0.042
					50	0	2	20.40	16.20	0.042

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
Band 26	15M	26865	831.5	QPSK	1	0	0	22.97	18.77	0.075
					1	37	0	22.71	18.51	0.071
					1	74	0	21.60	17.40	0.055
					36	0	1	22.08	17.88	0.061
					36	18	1	21.87	17.67	0.058
					36	35	1	20.74	16.54	0.045
					75	0	1	22.08	17.88	0.061
				16QAM	1	0	1	22.06	17.86	0.061
					1	37	1	21.81	17.61	0.058
					1	74	1	20.71	16.51	0.045
					36	0	2	19.65	15.45	0.035
					36	18	2	20.82	16.62	0.046
					36	35	2	20.77	16.57	0.045
					75	0	2	20.74	16.54	0.045
		26915	836.5	QPSK	1	0	0	22.60	18.40	0.069
					1	37	0	23.12	18.92	0.078
					1	74	0	22.93	18.73	0.075
					36	0	1	21.71	17.51	0.056
					36	18	1	22.28	18.08	0.064
					36	35	1	22.07	17.87	0.061
					75	0	1	21.71	17.51	0.056
				16QAM	1	0	1	21.69	17.49	0.056
					1	37	1	22.22	18.02	0.063
					1	74	1	22.04	17.84	0.061
					36	0	2	20.98	16.78	0.048
					36	18	2	21.23	17.03	0.050
					36	35	2	21.18	16.98	0.050
		26965	841.5	QPSK	75	0	2	21.15	16.95	0.050
					1	0	0	22.61	18.41	0.069
					1	37	0	22.42	18.22	0.066
					1	74	0	21.58	17.38	0.055
					36	0	1	21.72	17.52	0.056
					36	18	1	21.58	17.38	0.055
					36	35	1	20.72	16.52	0.045
					75	0	1	21.72	17.52	0.056
				16QAM	1	0	1	21.70	17.50	0.056
					1	37	1	21.52	17.32	0.054
					1	74	1	20.69	16.49	0.045
					36	0	2	19.63	15.43	0.035
					36	18	2	20.53	16.33	0.043
					36	35	2	20.48	16.28	0.042
					75	0	2	20.45	16.25	0.042

NOTE:

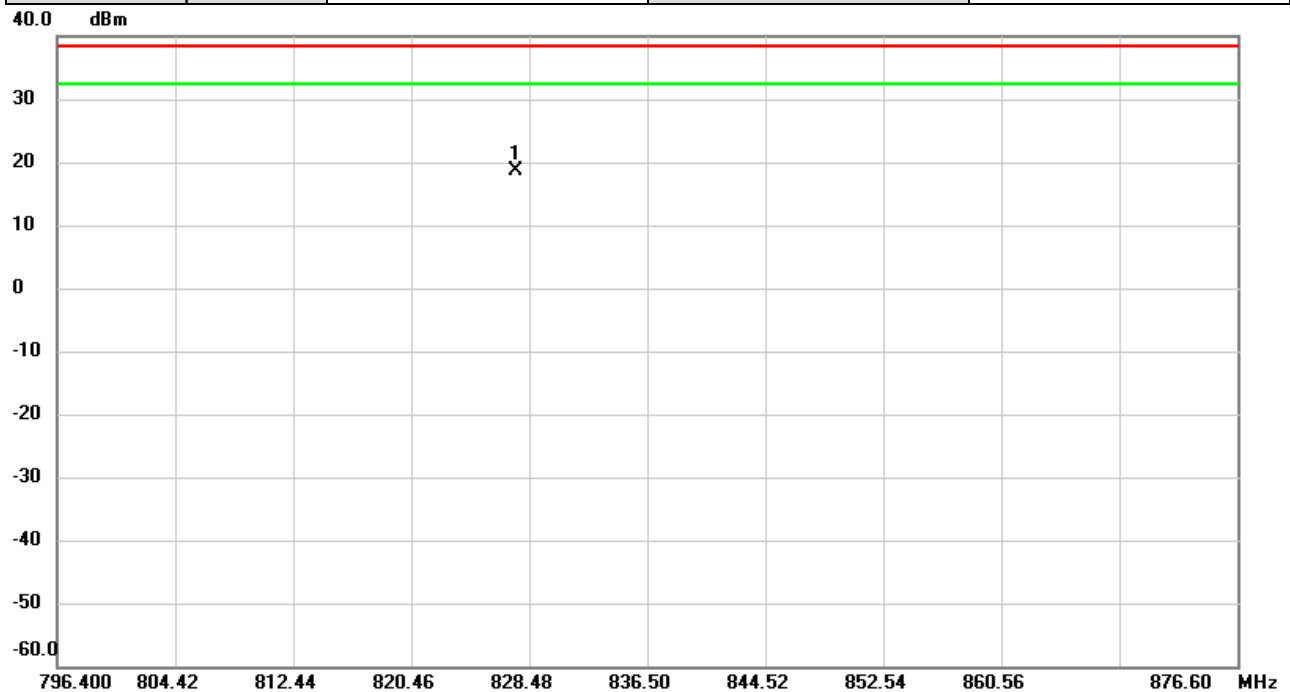
(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

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

Radiated ERP Power:

Test Mode	WCDMA Band V	Test Date	2023/2/4
Test Channel	CH4132	Polarization	Vertical
Temp	23°C	Hum.	59%

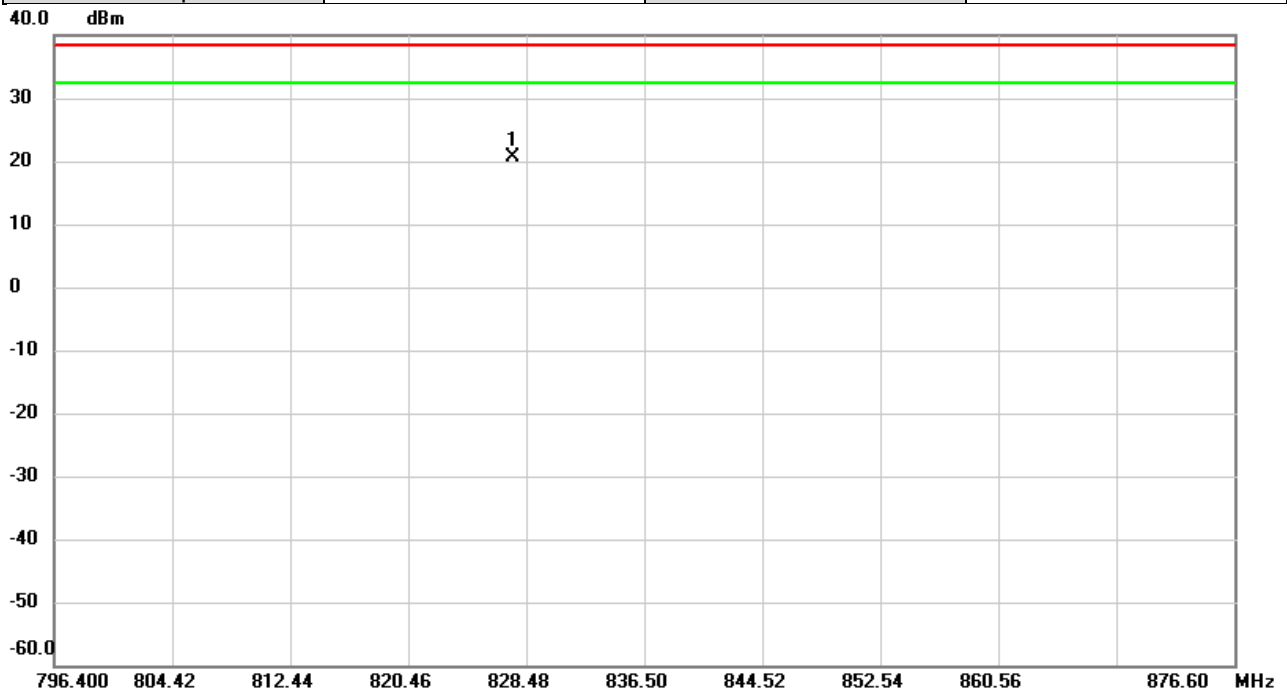


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	827.5978	8.90	9.82	18.72	38.45	-19.73	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/2/4
Test Channel	CH4132	Polarization	Horizontal
Temp	23°C	Hum.	59%

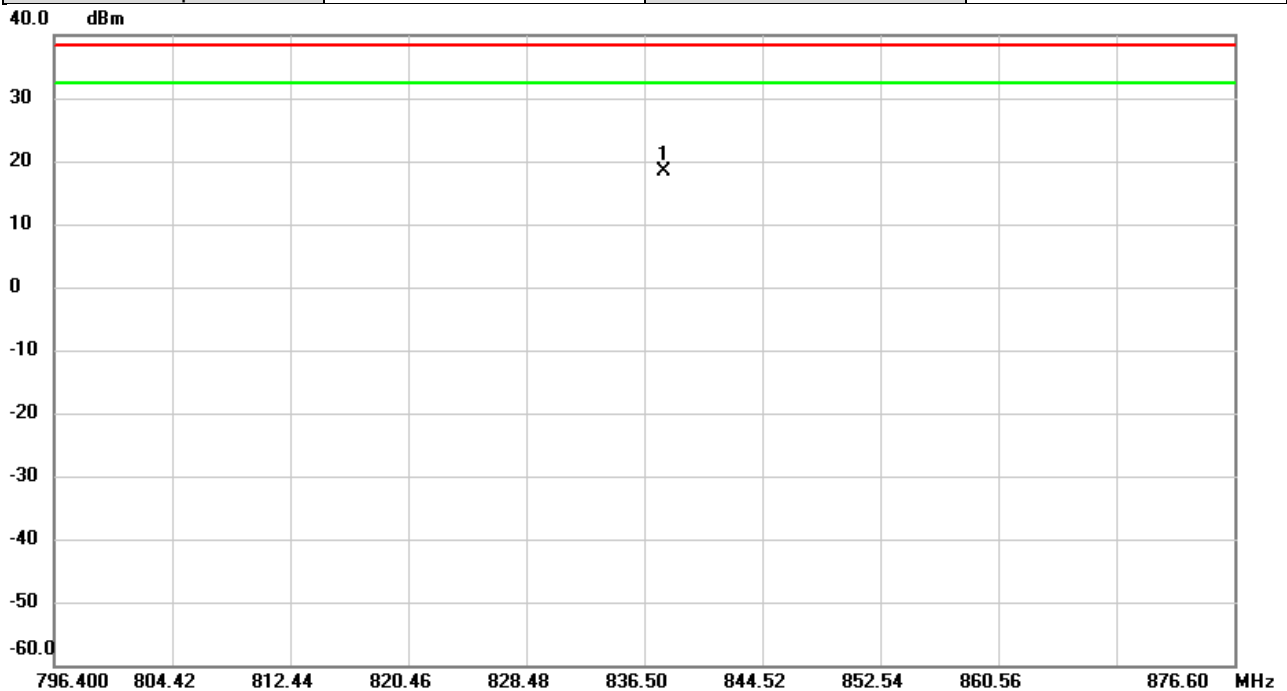


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	827.5550	10.67	9.89	20.56	38.45	-17.89	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/2/4
Test Channel	CH4183	Polarization	Vertical
Temp	23°C	Hum.	59%

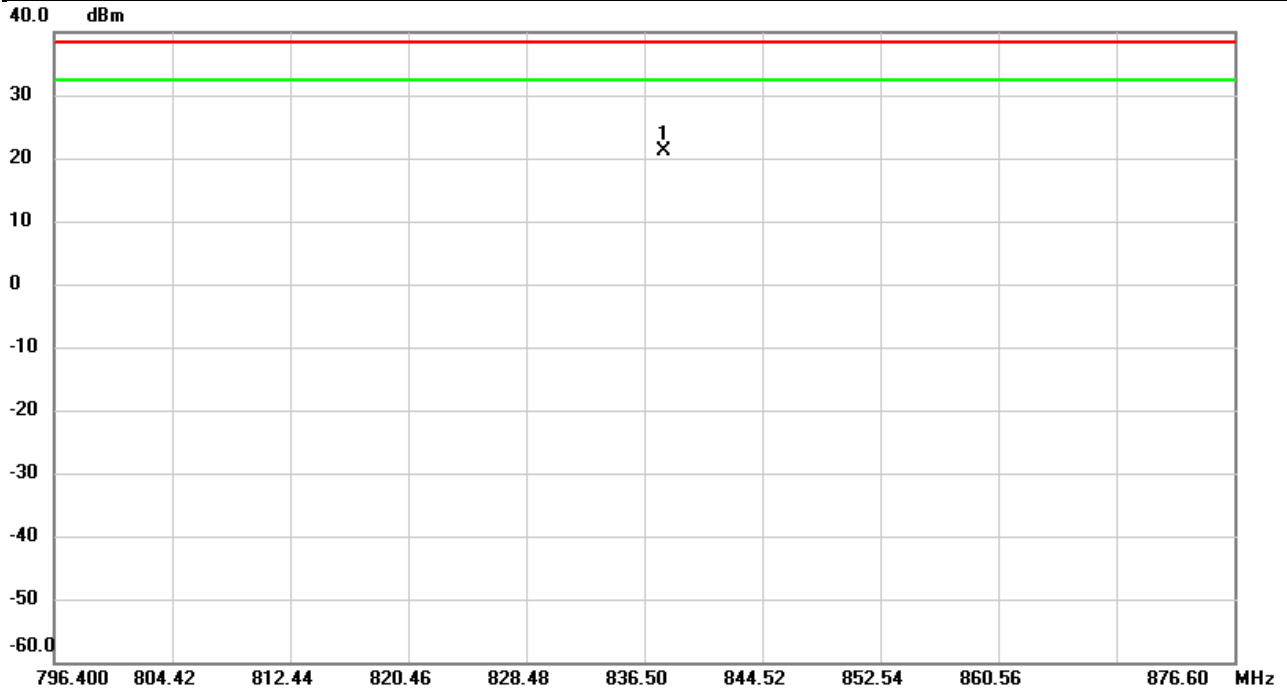


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	837.8260	8.38	9.89	18.27	38.45	-20.18	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/2/4
Test Channel	CH4183	Polarization	Horizontal
Temp	23°C	Hum.	59%

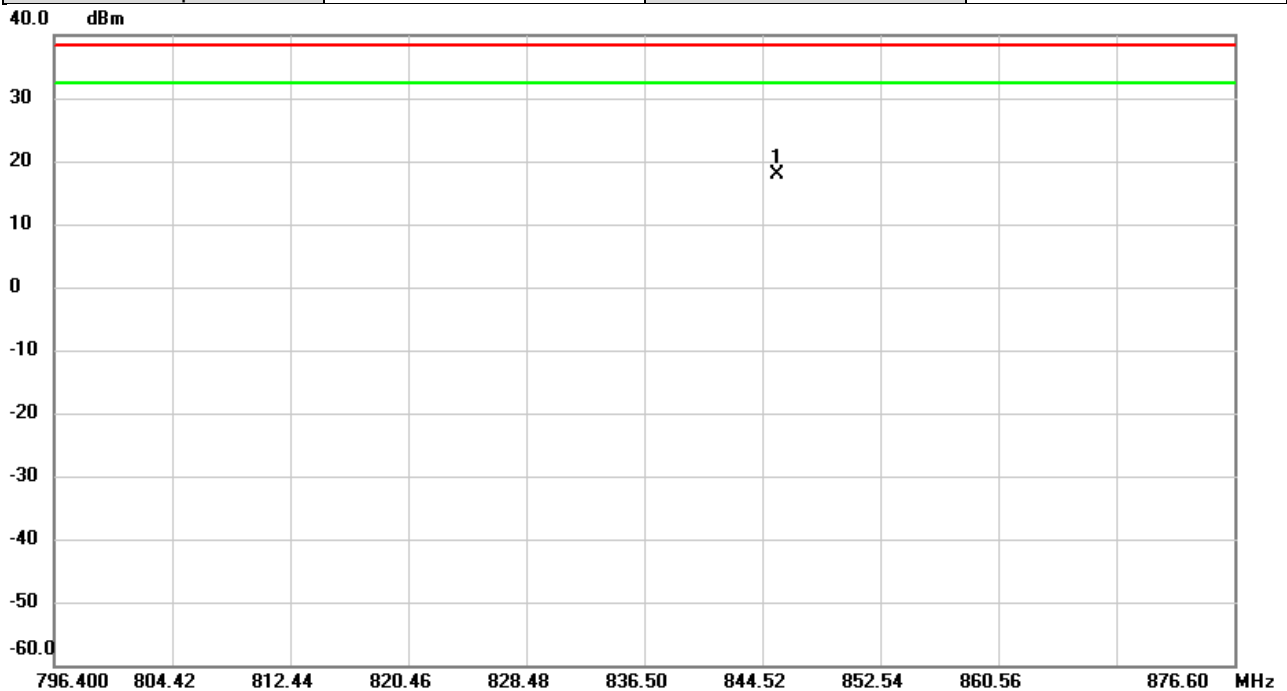


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	837.8714	11.61	9.64	21.25	38.45	-17.20	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/2/4
Test Channel	CH4233	Polarization	Vertical
Temp	23°C	Hum.	59%

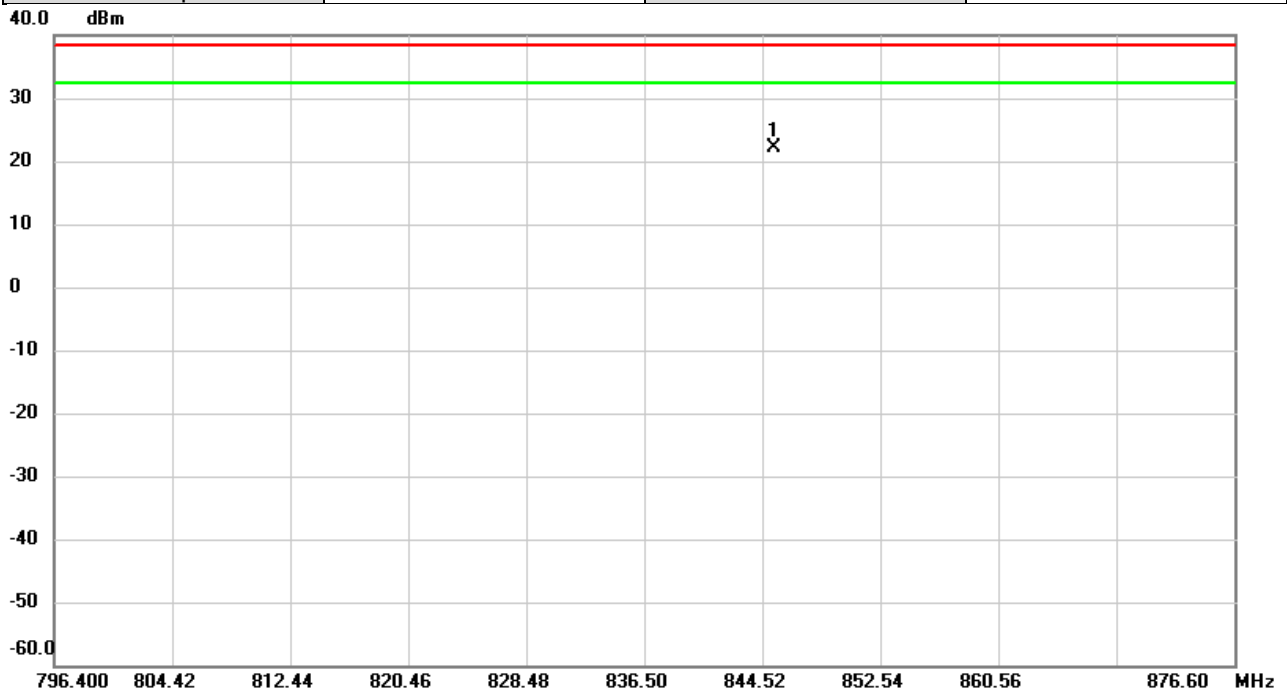


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	845.4958	7.84	9.94	17.78	38.45	-20.67	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/2/4
Test Channel	CH4233	Polarization	Horizontal
Temp	23°C	Hum.	59%

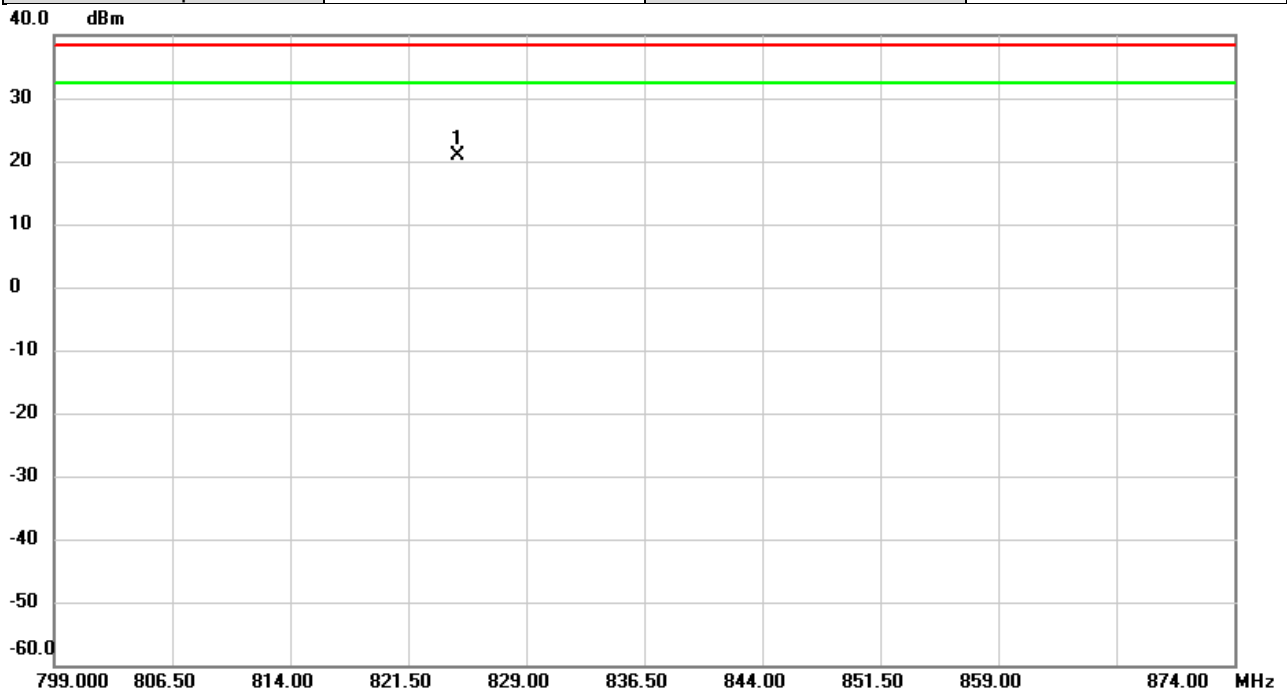


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	845.3300	12.74	9.45	22.19	38.45	-16.26	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/2/6
Test Channel	CH20450	Polarization	Vertical
Temp	23°C	Hum.	59%

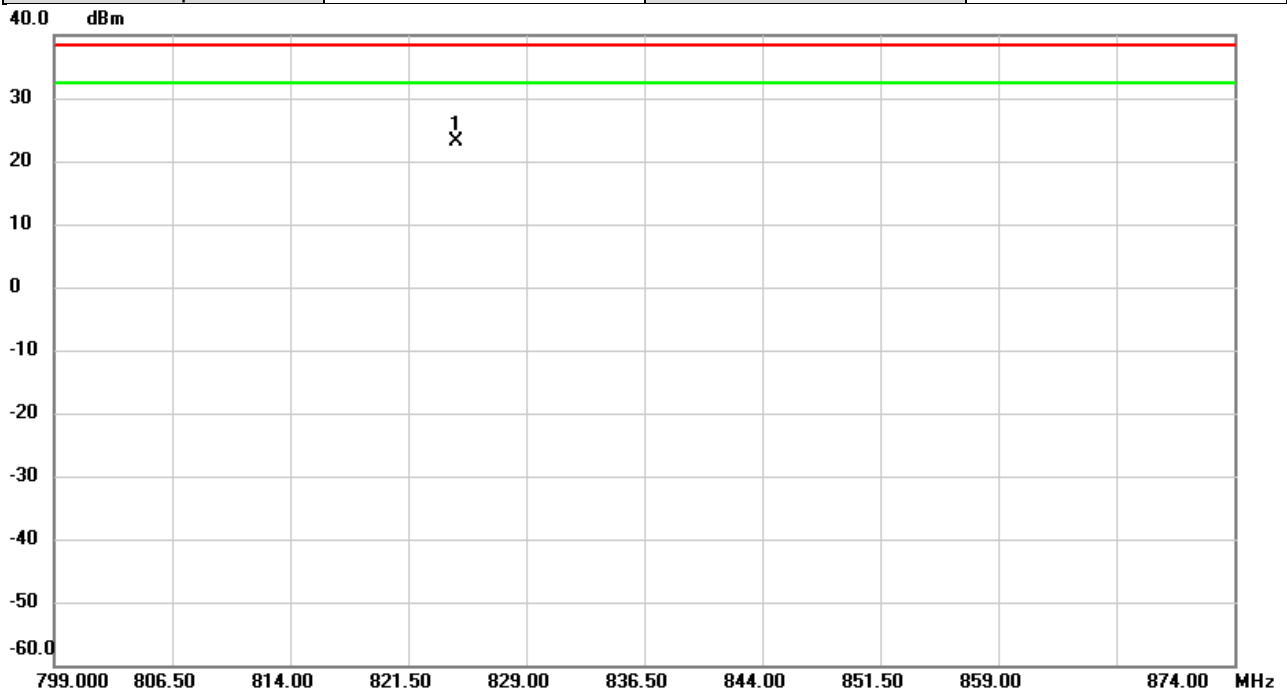


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	824.6375	23.13	-2.15	20.98	38.45	-17.47	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/2/6
Test Channel	CH20450	Polarization	Horizontal
Temp	23°C	Hum.	59%

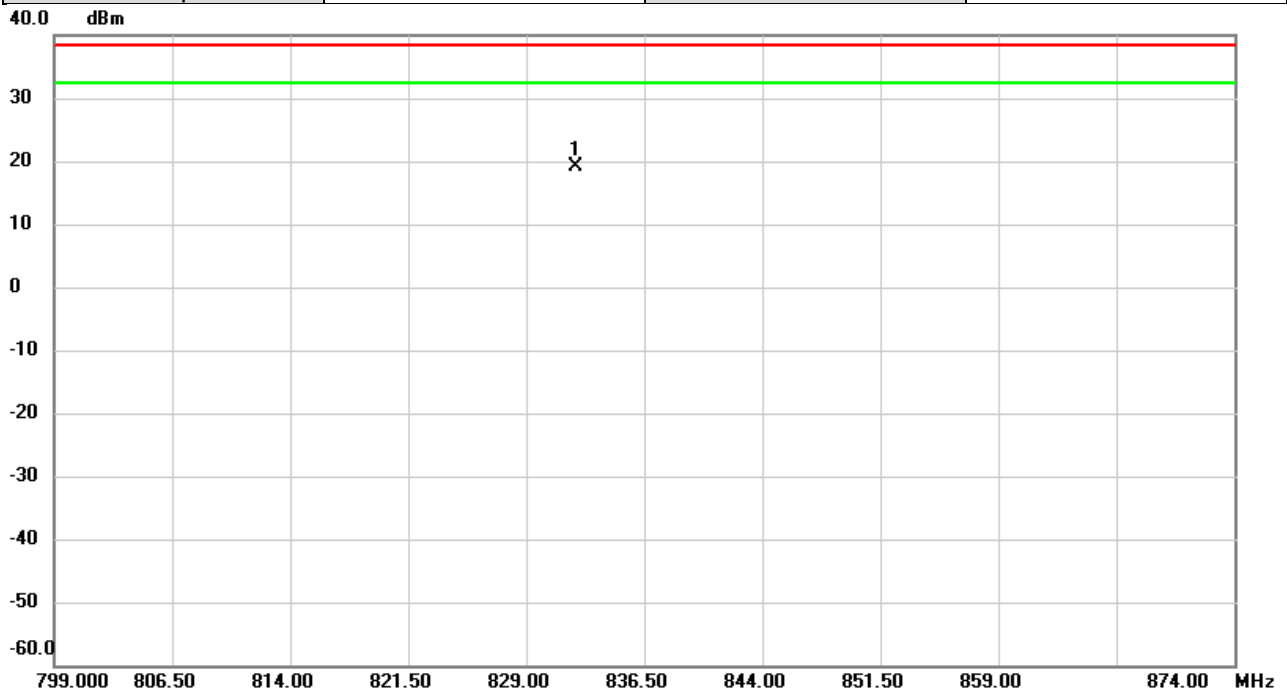


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	824.5925	25.40	-2.15	23.25	38.45	-15.20	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/2/6
Test Channel	CH20525	Polarization	Vertical
Temp	23°C	Hum.	59%

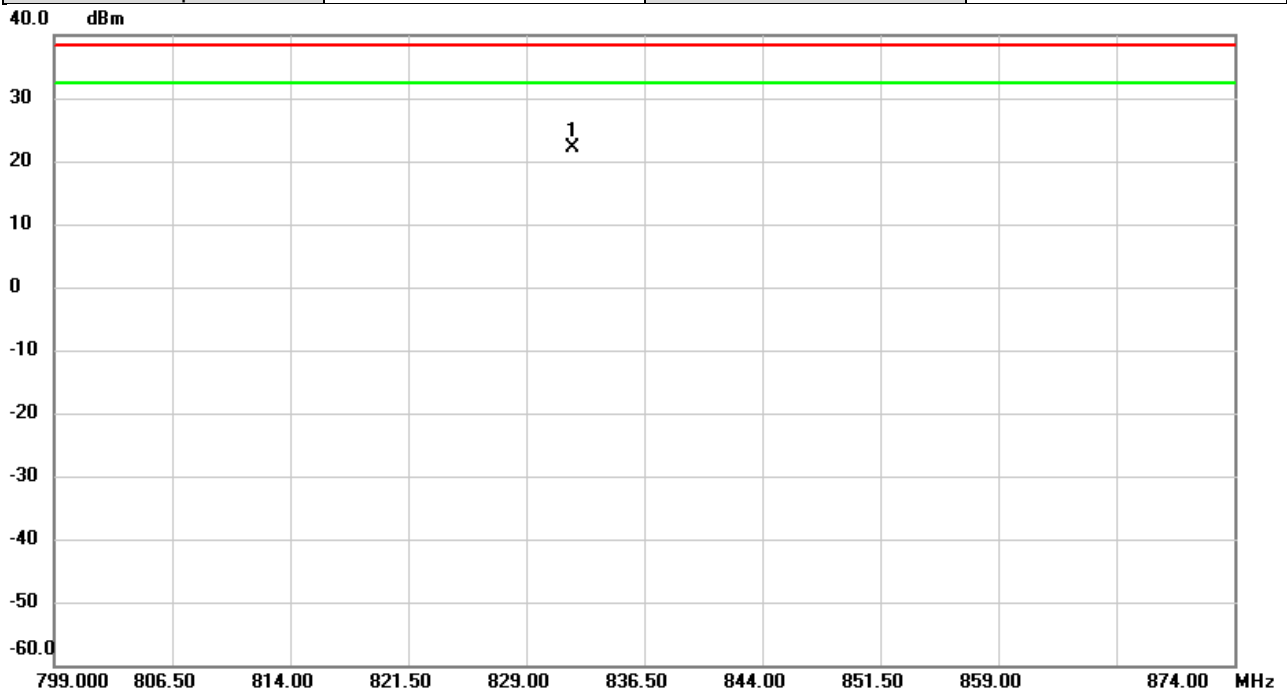


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	832.1600	21.29	-2.15	19.14	38.45	-19.31	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/2/6
Test Channel	CH20525	Polarization	Horizontal
Temp	23°C	Hum.	59%

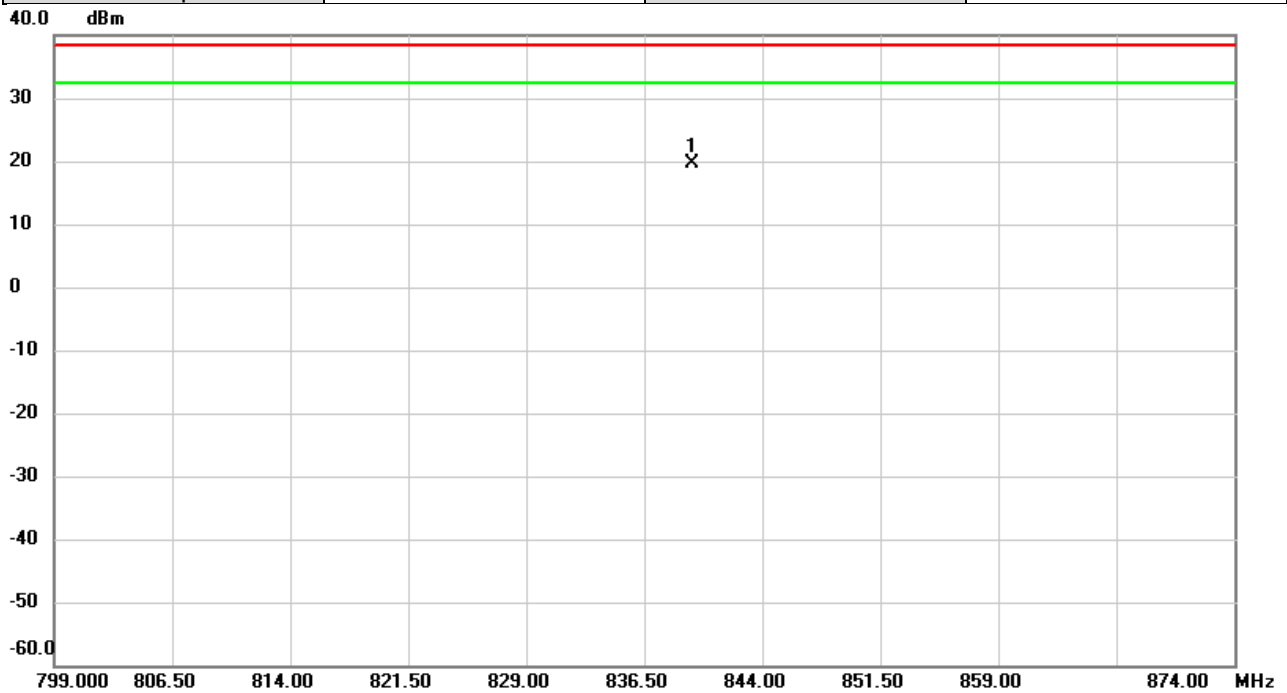


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	831.9425	24.33	-2.15	22.18	38.45	-16.27	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/2/6
Test Channel	CH20600	Polarization	Vertical
Temp	23°C	Hum.	59%

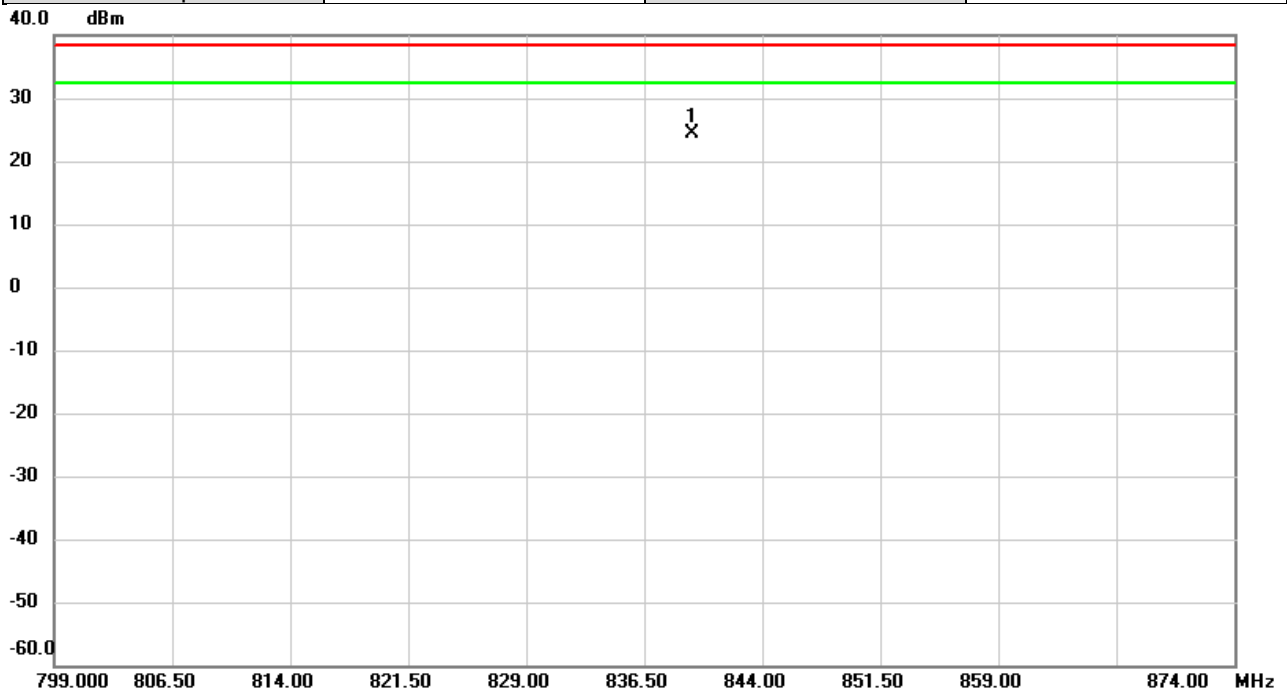


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	839.5100	21.81	-2.15	19.66	38.45	-18.79	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/2/6
Test Channel	CH20600	Polarization	Horizontal
Temp	23°C	Hum.	59%

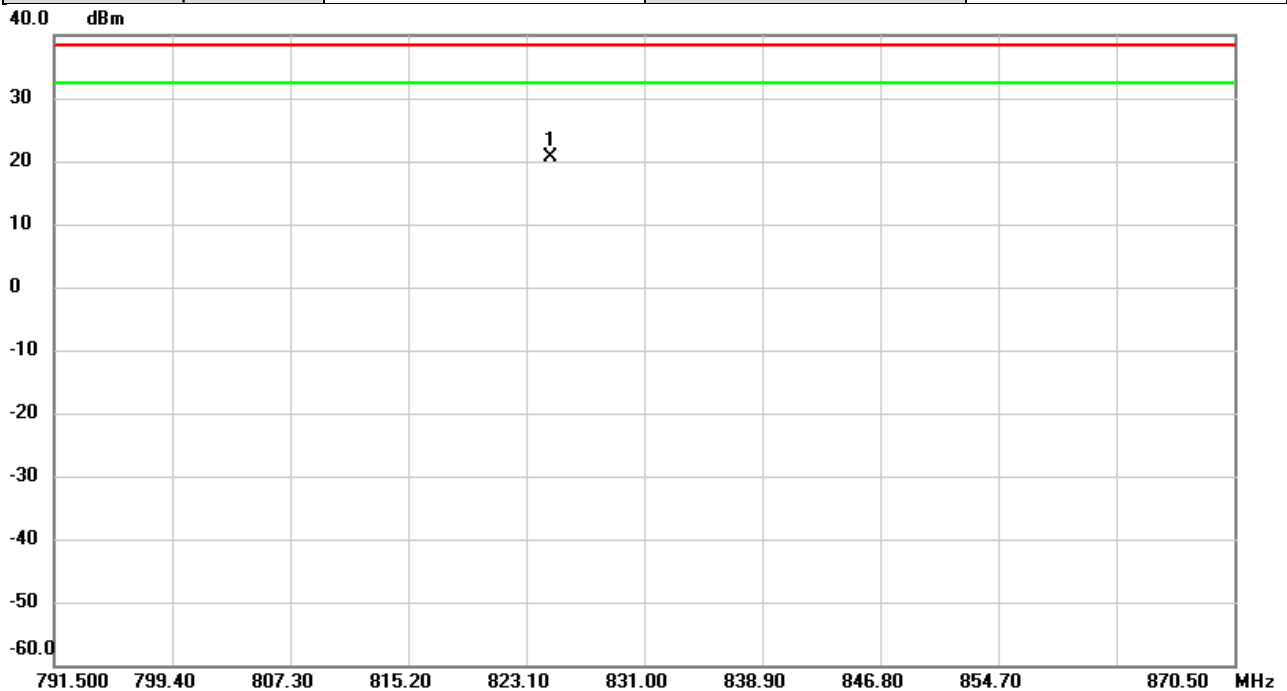


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	839.5300	26.59	-2.15	24.44	38.45	-14.01	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/2/6
Test Channel	CH26865	Polarization	Vertical
Temp	23°C	Hum.	59%

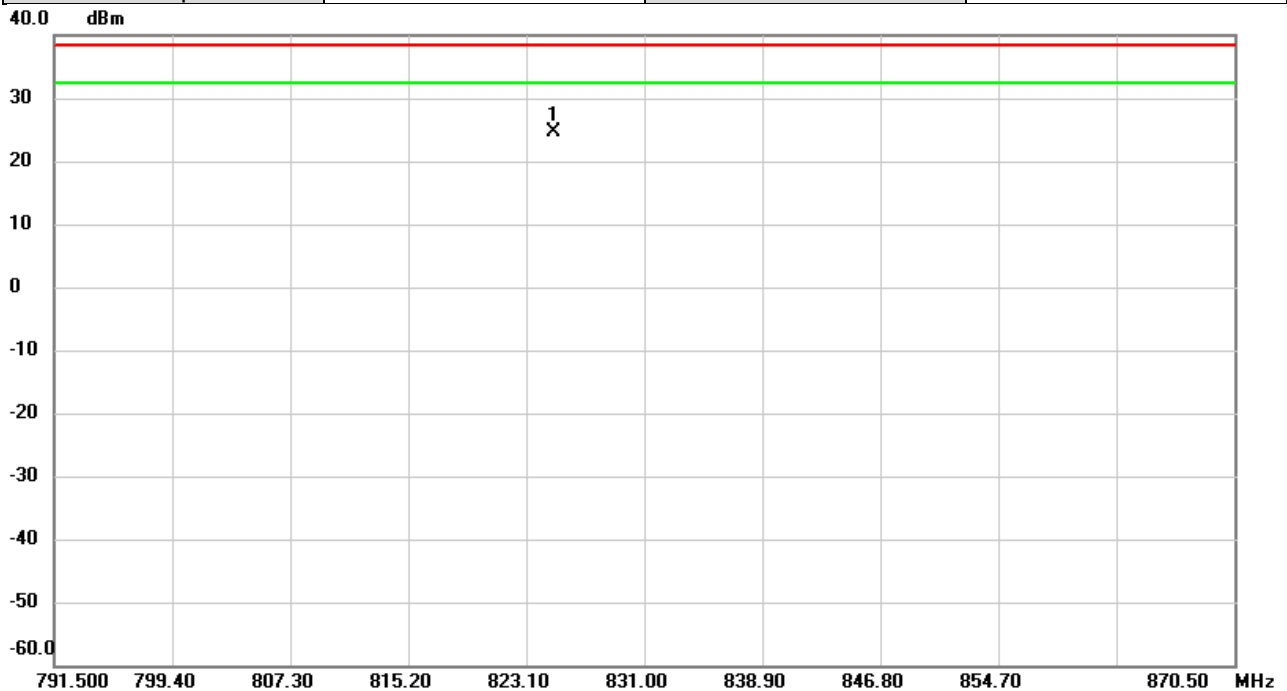


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	824.7616	22.77	-2.15	20.62	38.45	-17.83	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/2/6
Test Channel	CH26865	Polarization	Horizontal
Temp	23°C	Hum.	59%

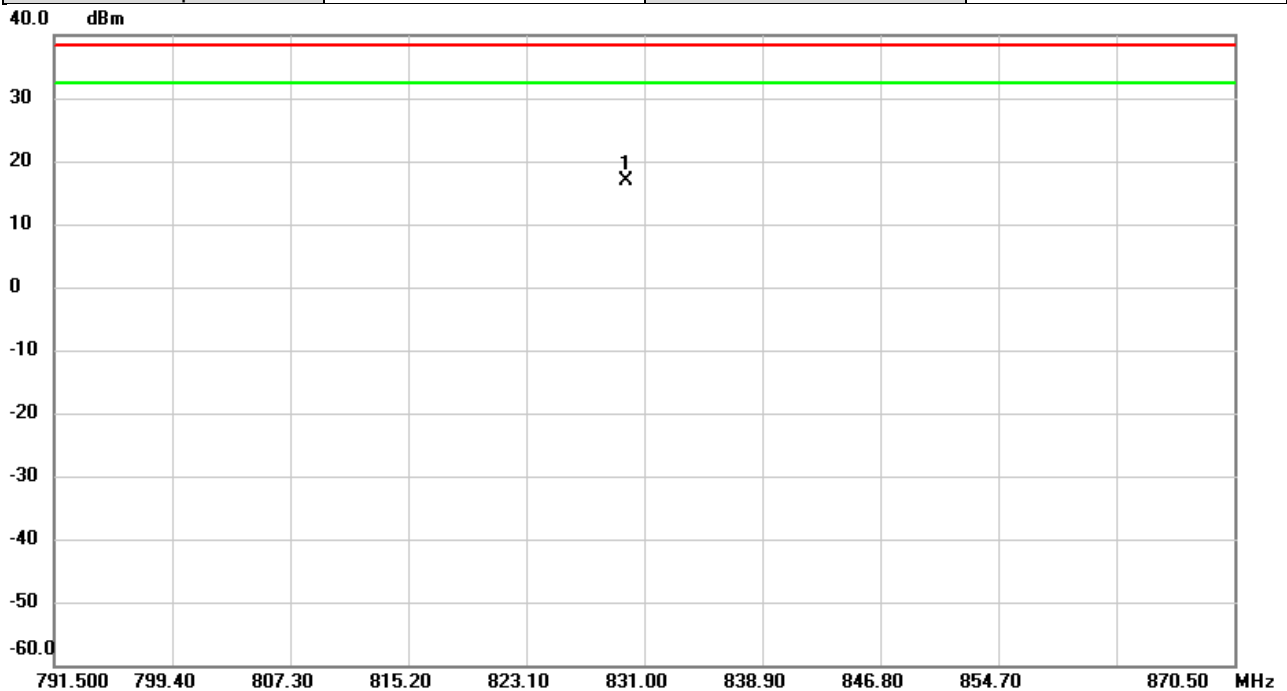


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	824.9170	26.80	-2.15	24.65	38.45	-13.80	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/2/8
Test Channel	CH26915	Polarization	Vertical
Temp	23°C	Hum.	59%

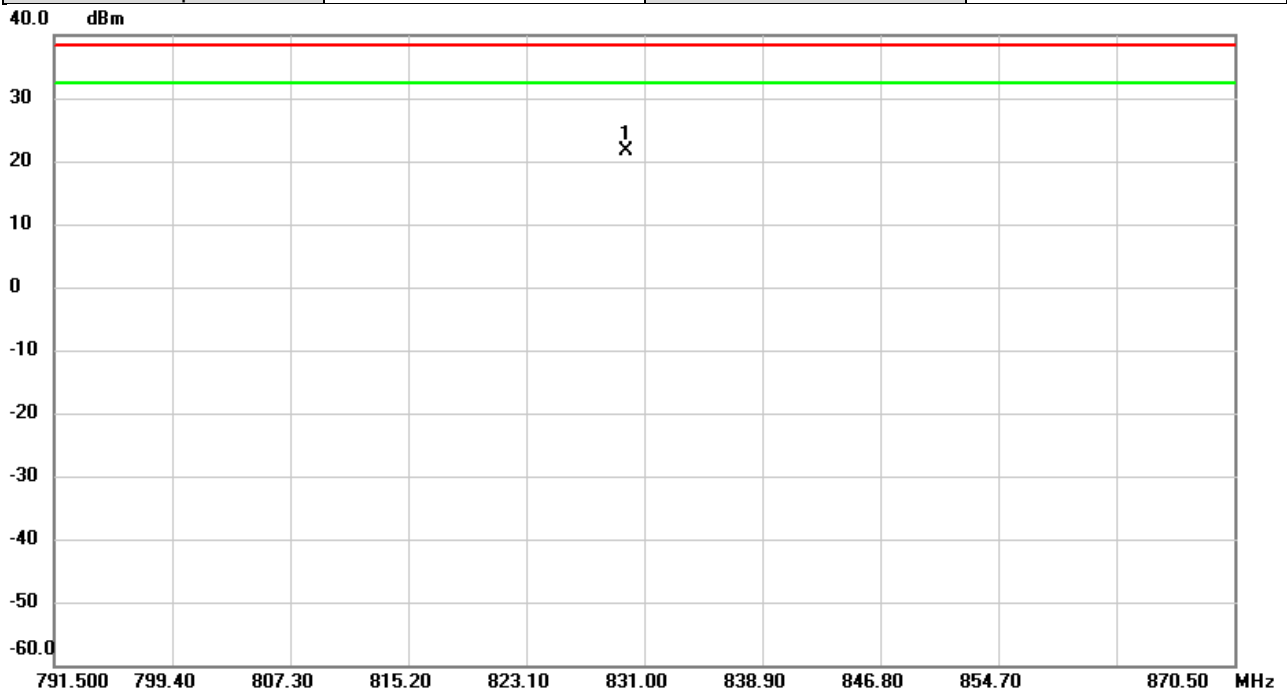


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	829.8361	7.01	9.84	16.85	38.45	-21.60	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/2/8
Test Channel	CH26915	Polarization	Horizontal
Temp	23°C	Hum.	59%

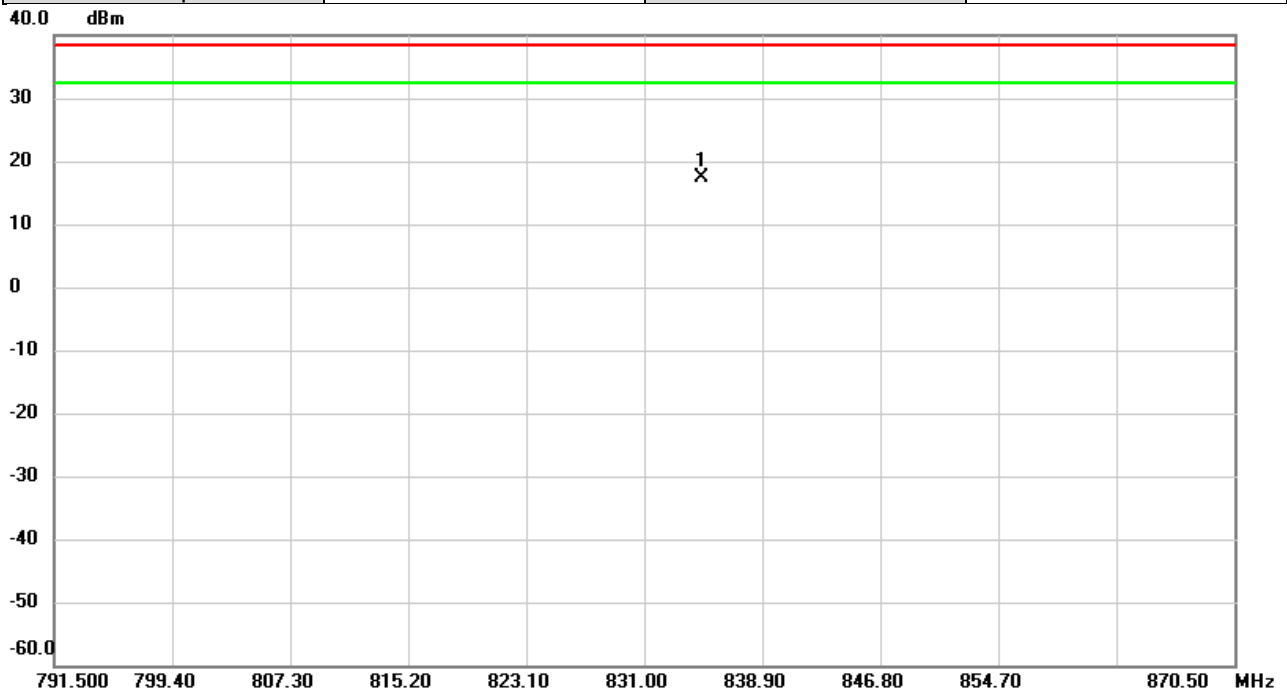


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	829.7834	11.75	9.83	21.58	38.45	-16.87	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/2/8
Test Channel	CH26965	Polarization	Vertical
Temp	23°C	Hum.	59%

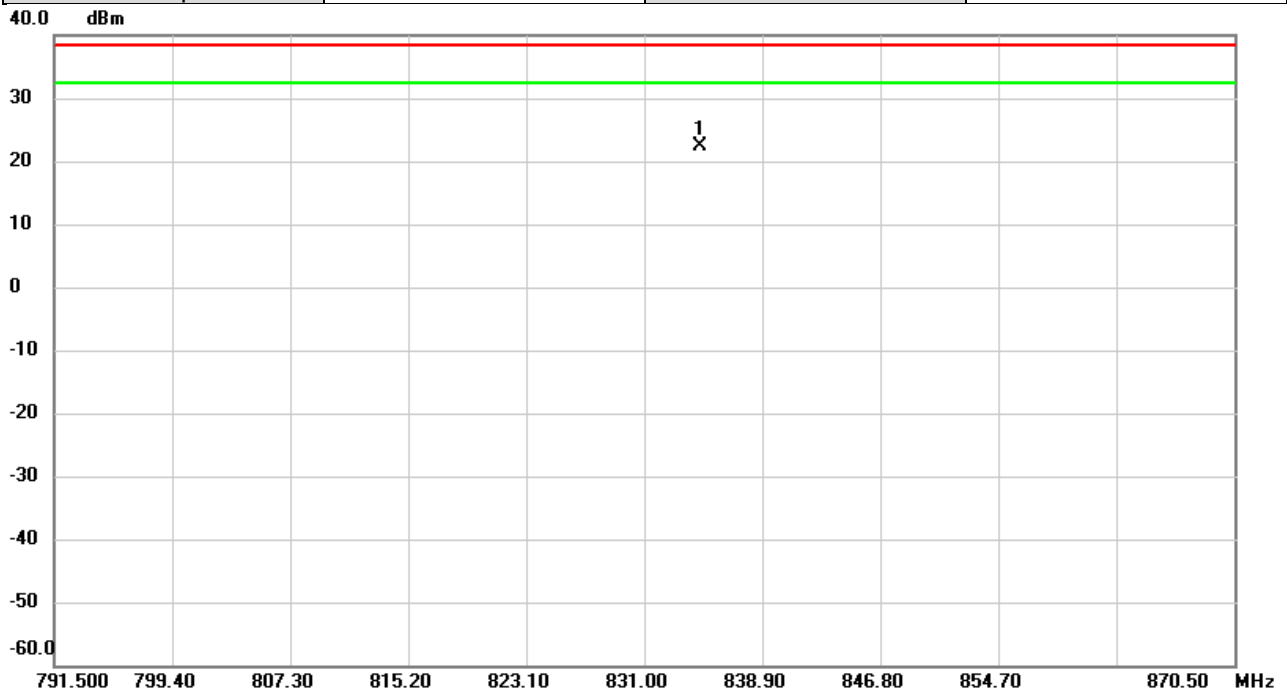


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	834.8736	7.44	9.87	17.31	38.45	-21.14	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/2/8
Test Channel	CH26965	Polarization	Horizontal
Temp	23°C	Hum.	59%



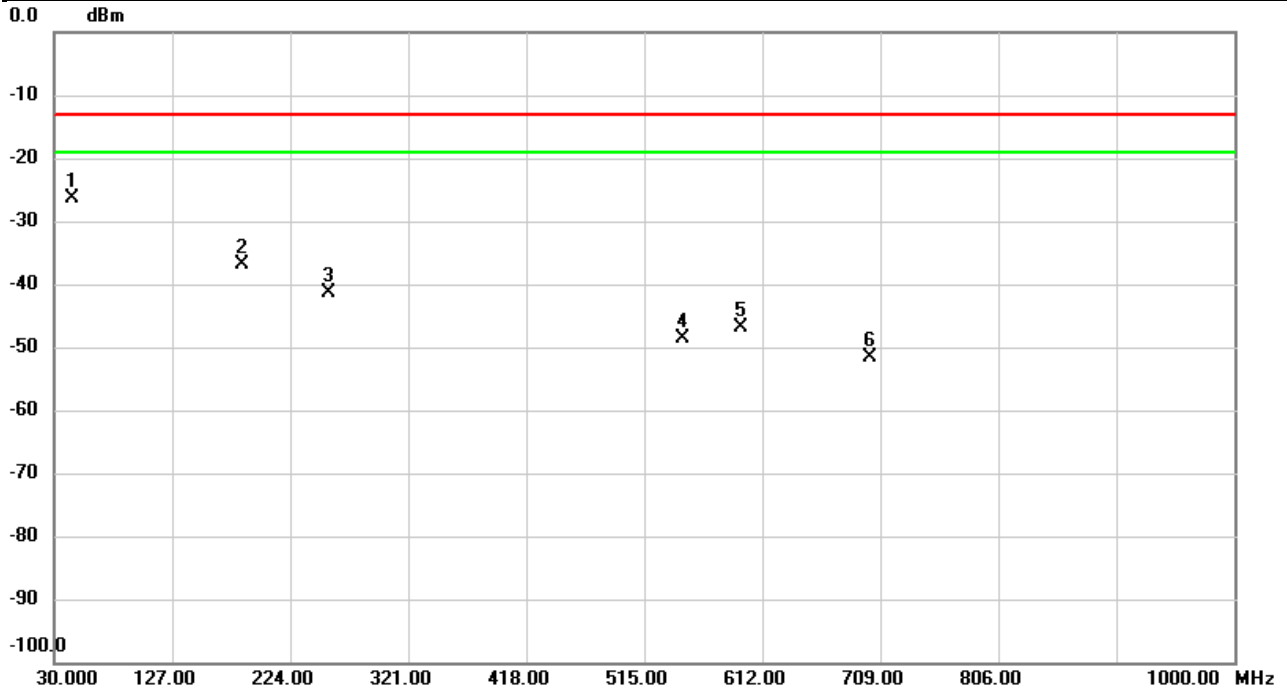
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	834.7894	12.64	9.71	22.35	38.45	-16.10	peak	

REMARKS:

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

APPENDIX C RADIATED SPURIOUS EMISSIONS

Test Mode	WCDMA Band V	Test Date	2023/2/6
Test Channel	CH4183	Polarization	Vertical
Temp	23°C	Hum.	59%

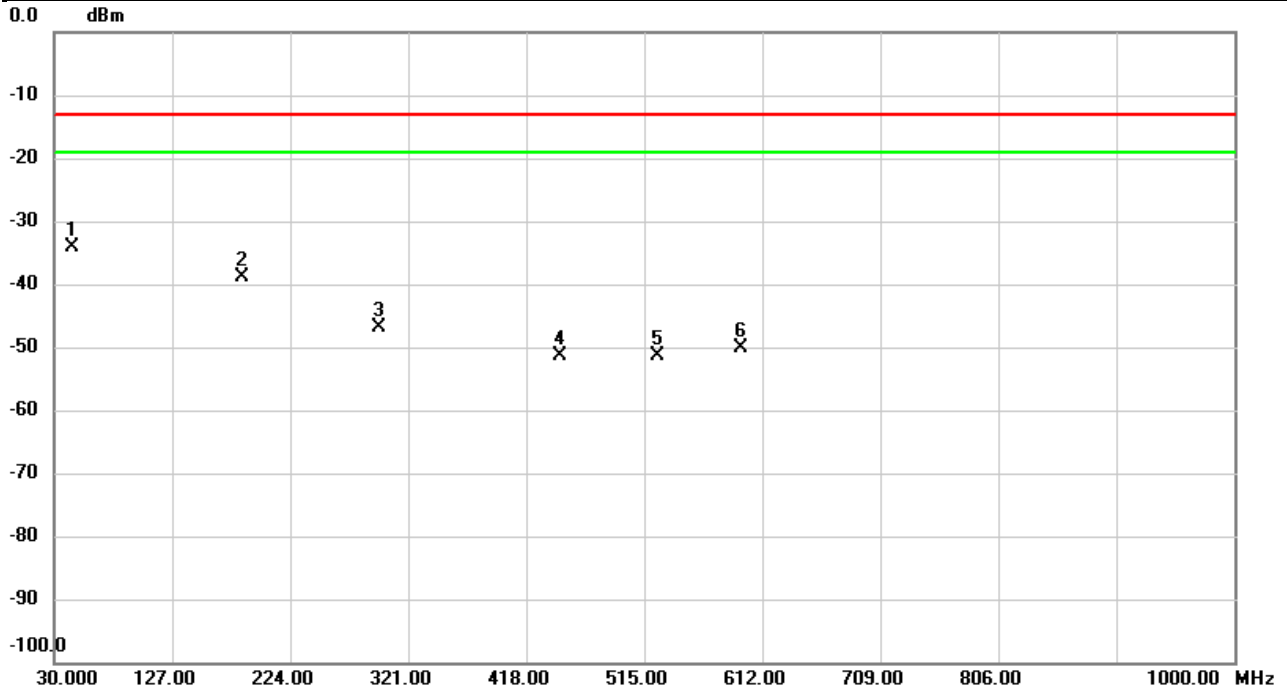


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	44.7116	-48.46	22.14	-26.32	-13.00	-13.32	peak	
2		184.0036	-50.50	13.70	-36.80	-13.00	-23.80	peak	
3		255.8160	-53.27	11.81	-41.46	-13.00	-28.46	peak	
4		546.3956	-58.91	10.35	-48.56	-13.00	-35.56	peak	
5		594.0226	-57.50	10.66	-46.84	-13.00	-33.84	peak	
6		699.9790	-62.20	10.55	-51.65	-13.00	-38.65	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/2/6
Test Channel	CH4183	Polarization	Horizontal
Temp	23°C	Hum.	59%

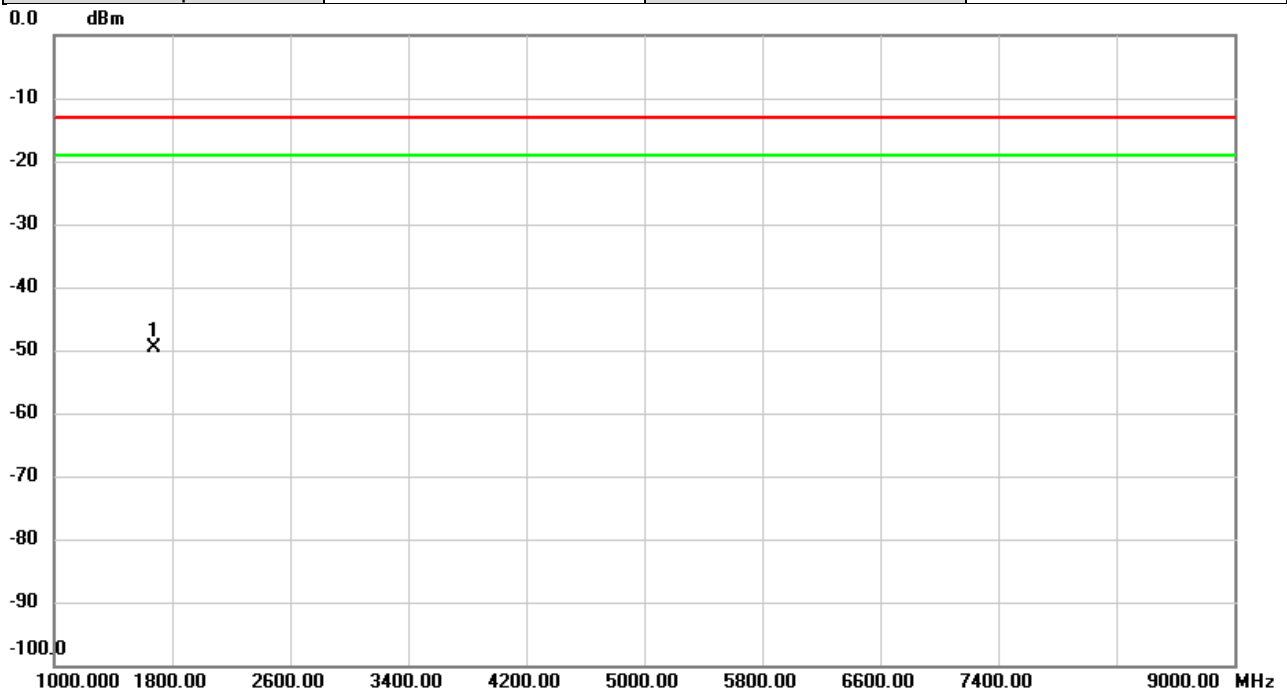


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	45.0350	-57.42	23.38	-34.04	-13.00	-21.04	peak	
2		184.3270	-48.23	9.34	-38.89	-13.00	-25.89	peak	
3		297.0087	-53.31	6.41	-46.90	-13.00	-33.90	peak	
4		445.5157	-59.06	7.81	-51.25	-13.00	-38.25	peak	
5		525.8963	-58.74	7.39	-51.35	-13.00	-38.35	peak	
6		594.0227	-57.73	7.51	-50.22	-13.00	-37.22	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/2/4
Test Channel	CH4183	Polarization	Vertical
Temp	23°C	Hum.	59%

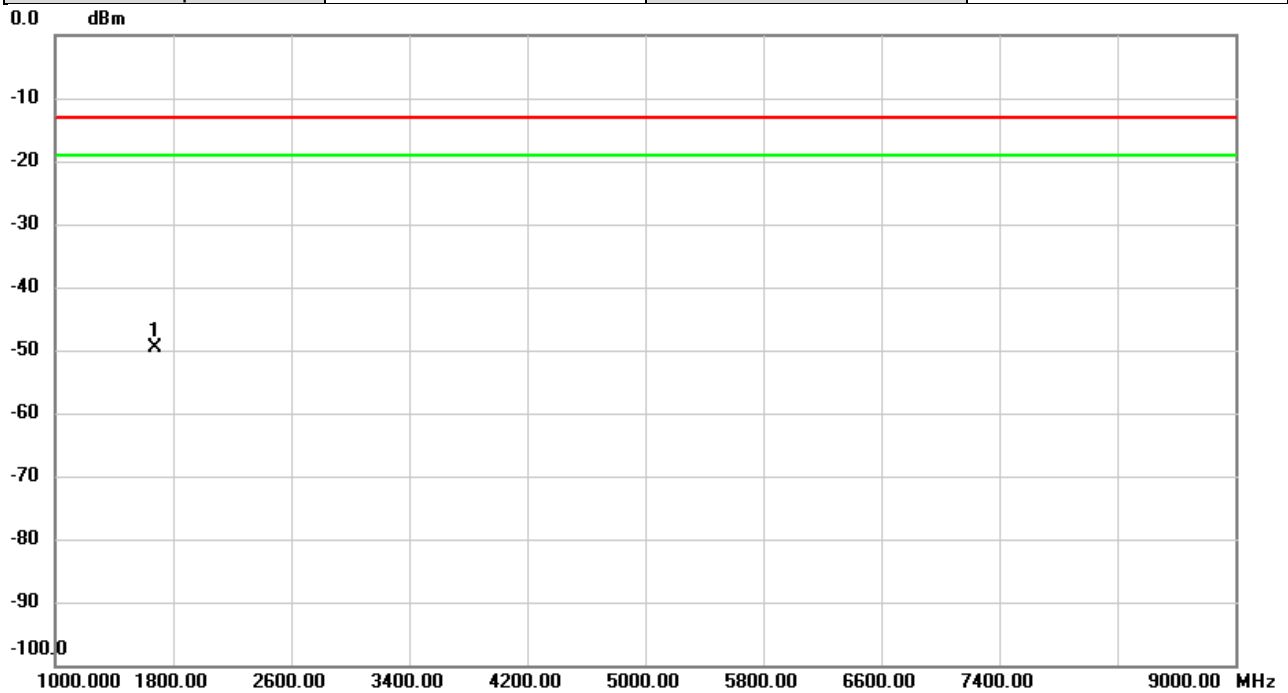


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1672.800	-54.11	4.53	-49.58	-13.00	-36.58	peak	

REMARKS:

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

Test Mode	WCDMA Band V	Test Date	2023/2/4
Test Channel	CH4183	Polarization	Horizontal
Temp	23°C	Hum.	59%

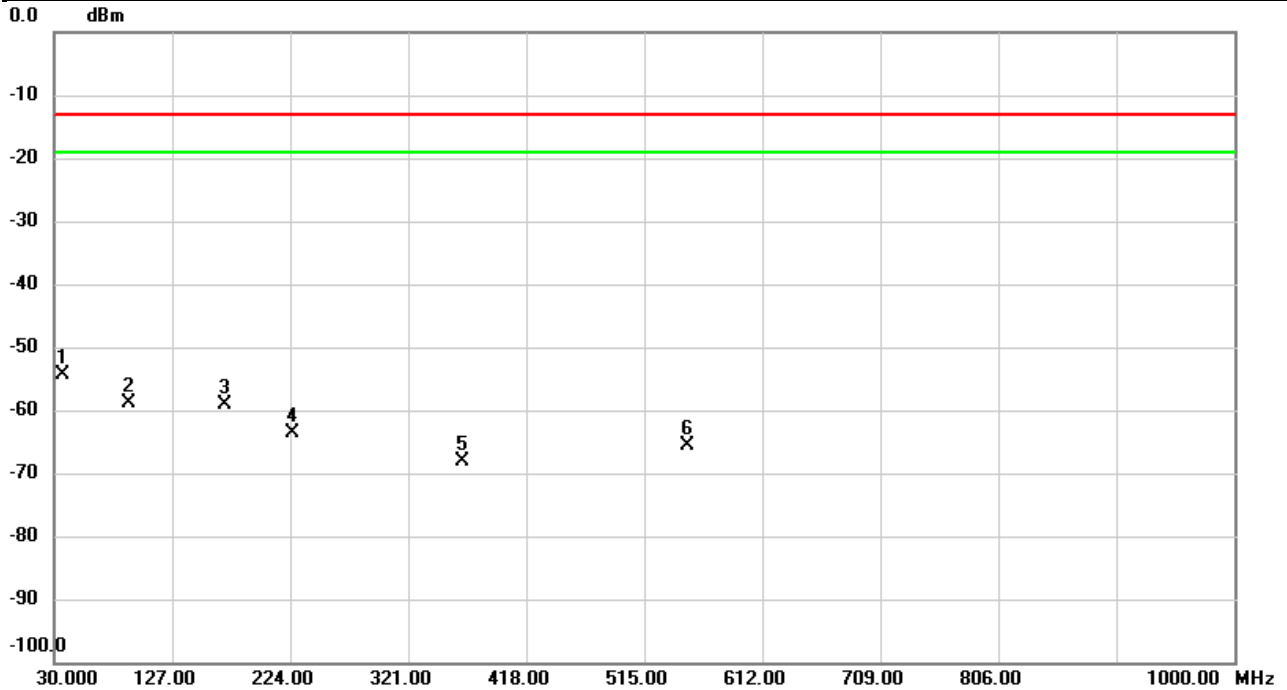


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1672.800	-54.15	4.52	-49.63	-13.00	-36.63	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/2/8
Test Channel	CH20525	Polarization	Vertical
Temp	23°C	Hum.	59%

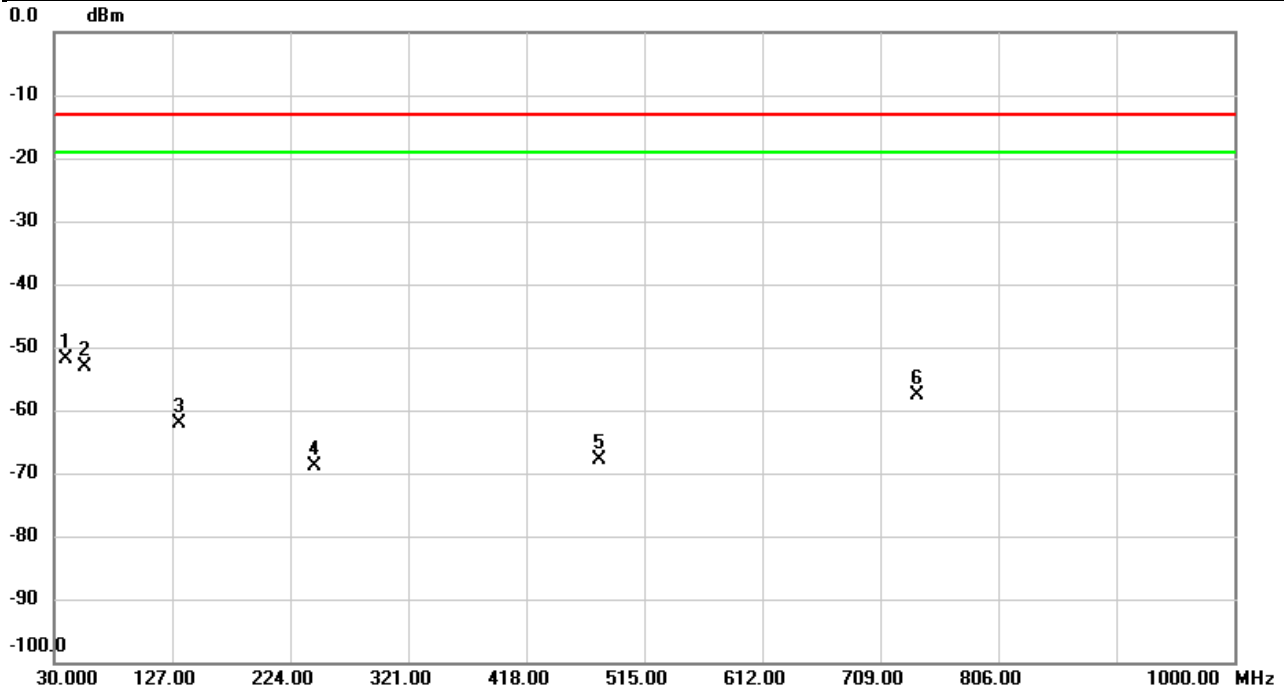


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	36.9193	-77.01	22.65	-54.36	-13.00	-41.36	peak	
2		90.9807	-76.17	17.37	-58.80	-13.00	-45.80	peak	
3		170.7470	-75.74	16.56	-59.18	-13.00	-46.18	peak	
4		225.5197	-75.56	12.03	-63.53	-13.00	-50.53	peak	
5		366.2343	-76.81	8.78	-68.03	-13.00	-55.03	peak	
6		550.4373	-76.05	10.49	-65.56	-13.00	-52.56	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/2/8
Test Channel	CH20525	Polarization	Horizontal
Temp	23°C	Hum.	59%

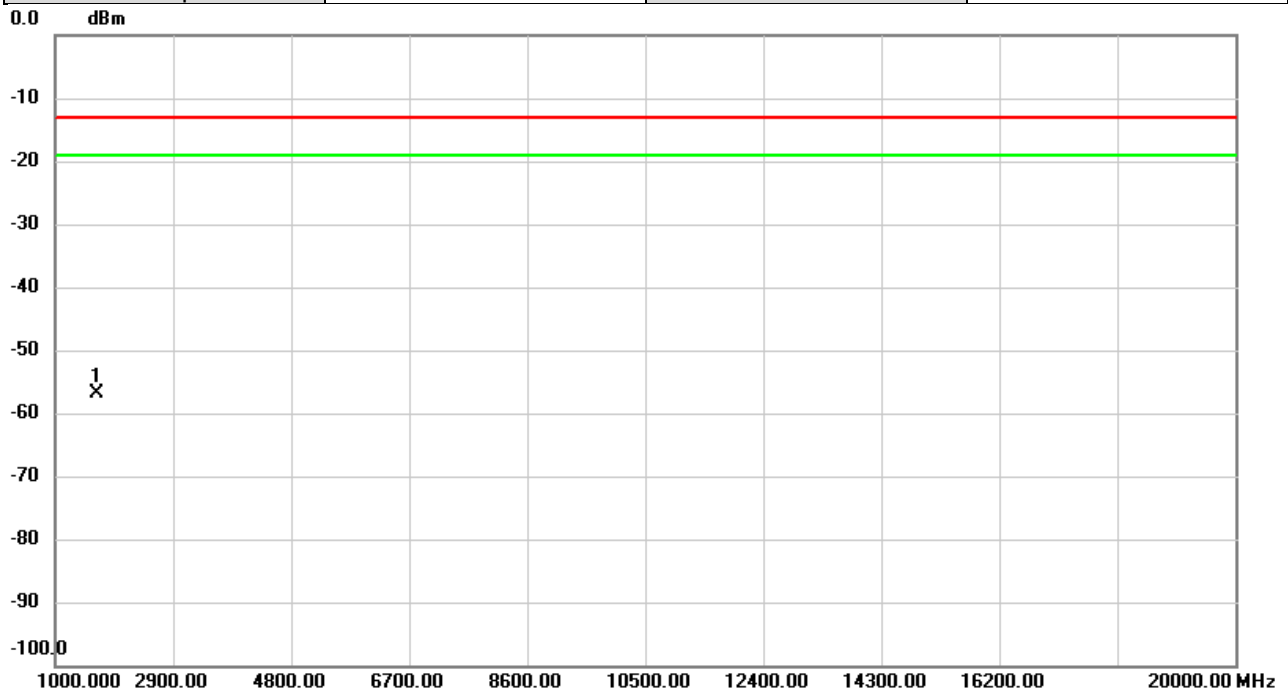


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	39.7000	-77.47	25.54	-51.93	-13.00	-38.93	peak	
2		55.4140	-77.53	24.43	-53.10	-13.00	-40.10	peak	
3		132.4643	-76.34	14.27	-62.07	-13.00	-49.07	peak	
4		244.1113	-76.37	7.41	-68.96	-13.00	-55.96	peak	
5		478.2693	-75.24	7.46	-67.78	-13.00	-54.78	peak	
6		739.5550	-66.65	9.15	-57.50	-13.00	-44.50	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/2/4
Test Channel	CH20525	Polarization	Vertical
Temp	23°C	Hum.	59%

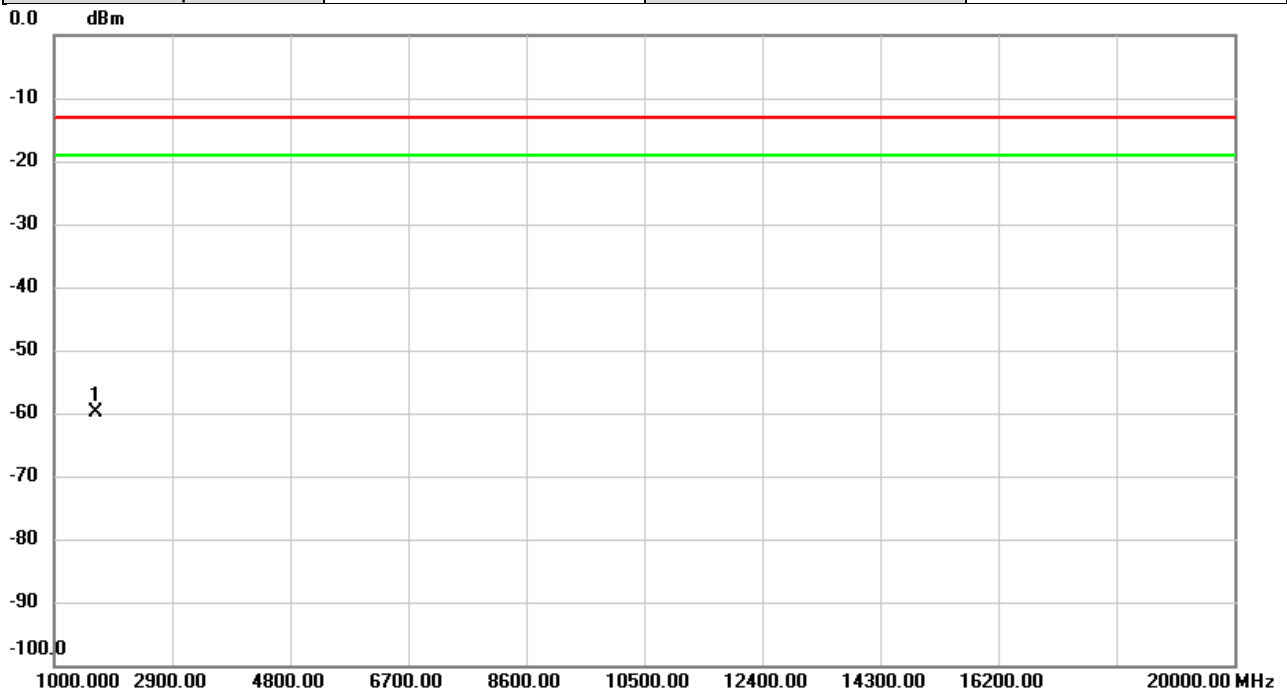


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1672.000	-61.42	4.53	-56.89	-13.00	-43.89	peak	

REMARKS:

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

Test Mode	LTE Band 5	Test Date	2023/2/4
Test Channel	CH20525	Polarization	Horizontal
Temp	23°C	Hum.	59%

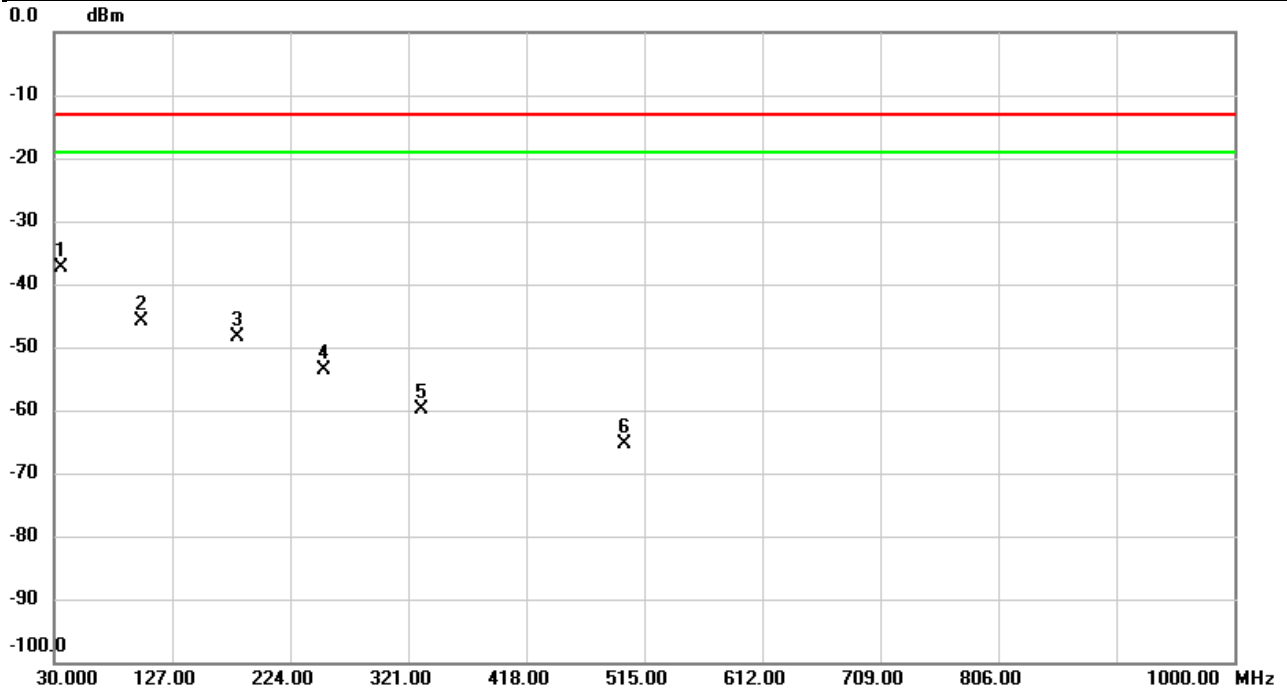


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1672.000	-64.41	4.51	-59.90	-13.00	-46.90	peak	

REMARKS:

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

Test Mode	LTE Band 5B_CA	Test Date	2023/3/18
Test Channel	20450+20549	Polarization	Vertical
Temp	23°C	Hum.	59%

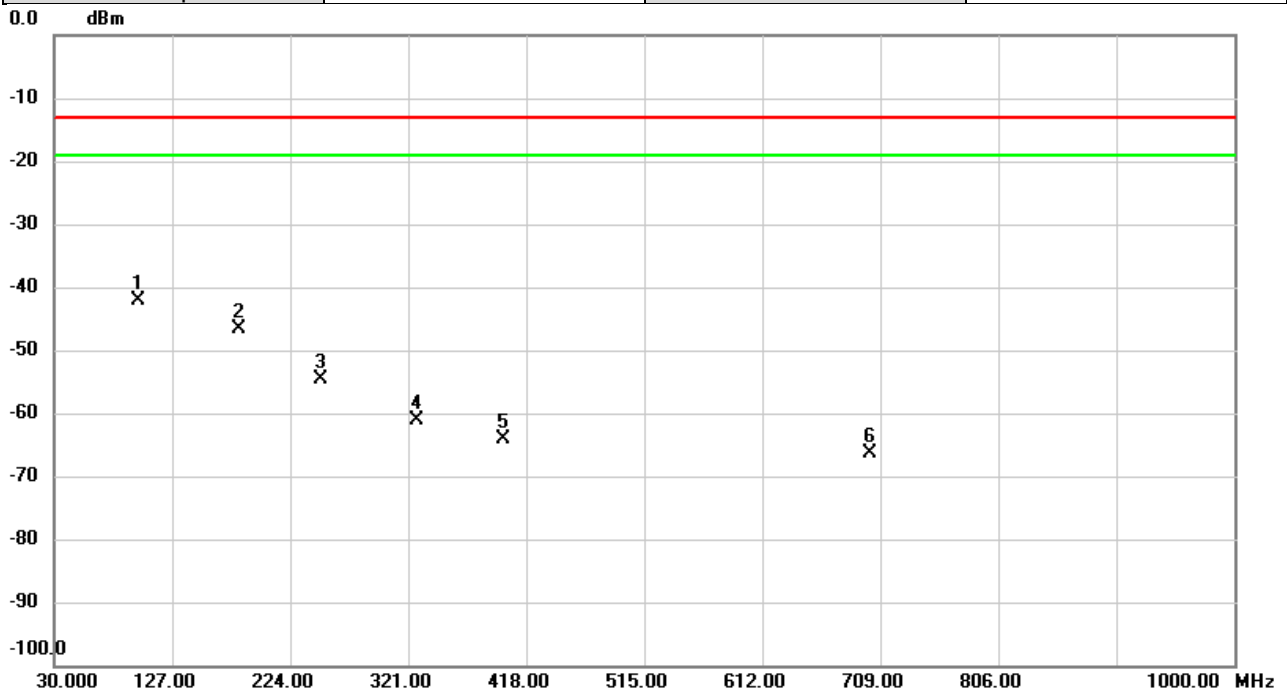


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	36.0140	-59.95	22.47	-37.48	-13.00	-24.48	peak	
2		101.4890	-62.35	16.58	-45.77	-13.00	-32.77	peak	
3		180.6733	-62.82	14.38	-48.44	-13.00	-35.44	peak	
4		251.6450	-65.59	12.05	-53.54	-13.00	-40.54	peak	
5		331.5730	-68.78	9.03	-59.75	-13.00	-46.75	peak	
6		498.7363	-73.87	8.51	-65.36	-13.00	-52.36	peak	

REMARKS:

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

Test Mode	LTE Band 5B_CA	Test Date	2023/3/18
Test Channel	20450+20549	Polarization	Horizontal
Temp	23°C	Hum.	59%

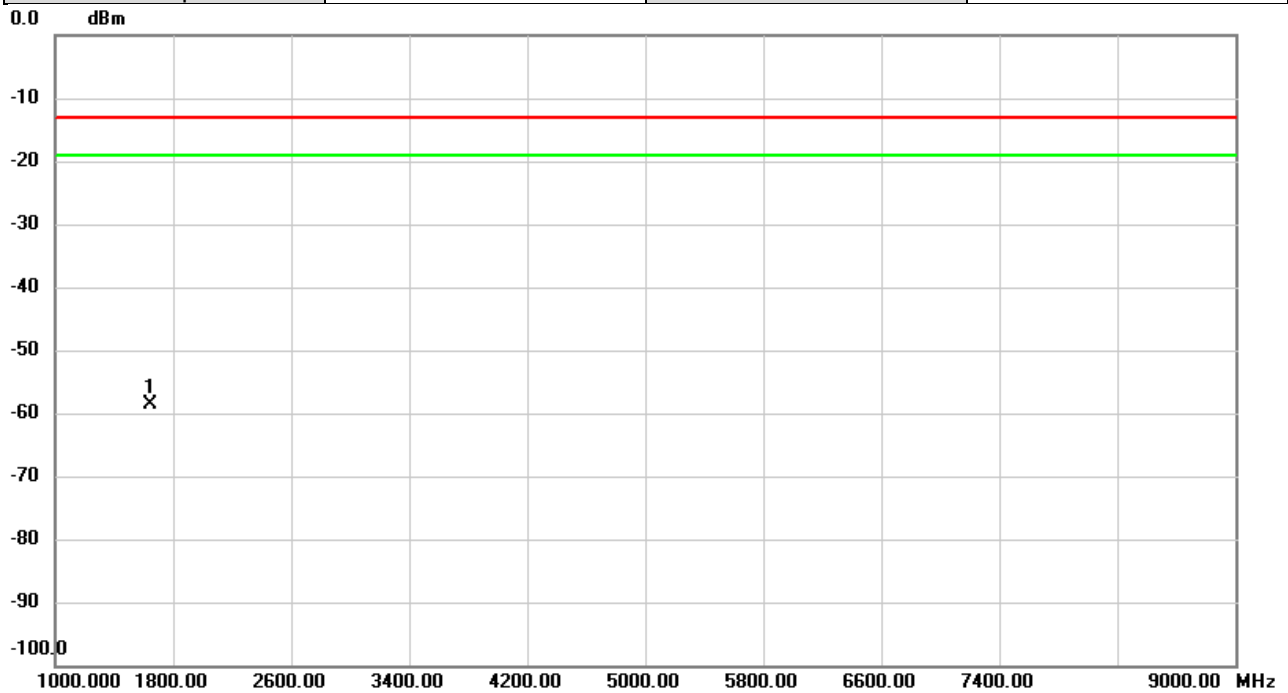


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	99.7753	-56.62	14.62	-42.00	-13.00	-29.00	peak	
2		181.9343	-56.64	10.08	-46.56	-13.00	-33.56	peak	
3		249.6727	-61.74	7.14	-54.60	-13.00	-41.60	peak	
4		328.6953	-68.92	7.83	-61.09	-13.00	-48.09	peak	
5		399.6670	-72.37	8.37	-64.00	-13.00	-51.00	peak	
6		700.2700	-75.35	8.93	-66.42	-13.00	-53.42	peak	

REMARKS:

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

Test Mode	LTE Band 5B_CA	Test Date	2023/3/18
Test Channel	20450+20549	Polarization	Vertical
Temp	23°C	Hum.	59%

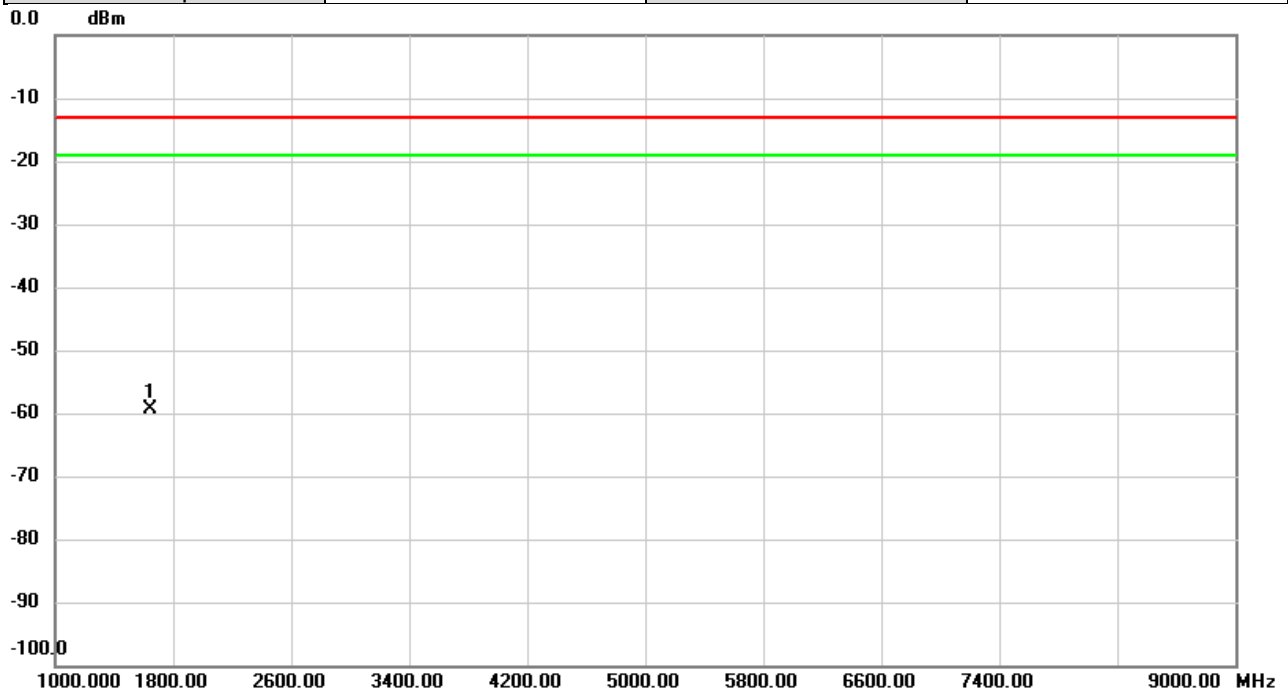


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1650.000	-63.10	4.54	-58.56	-13.00	-45.56	peak	

REMARKS:

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

Test Mode	LTE Band 5B_CA	Test Date	2023/3/18
Test Channel	20450+20549	Polarization	Horizontal
Temp	23°C	Hum.	59%

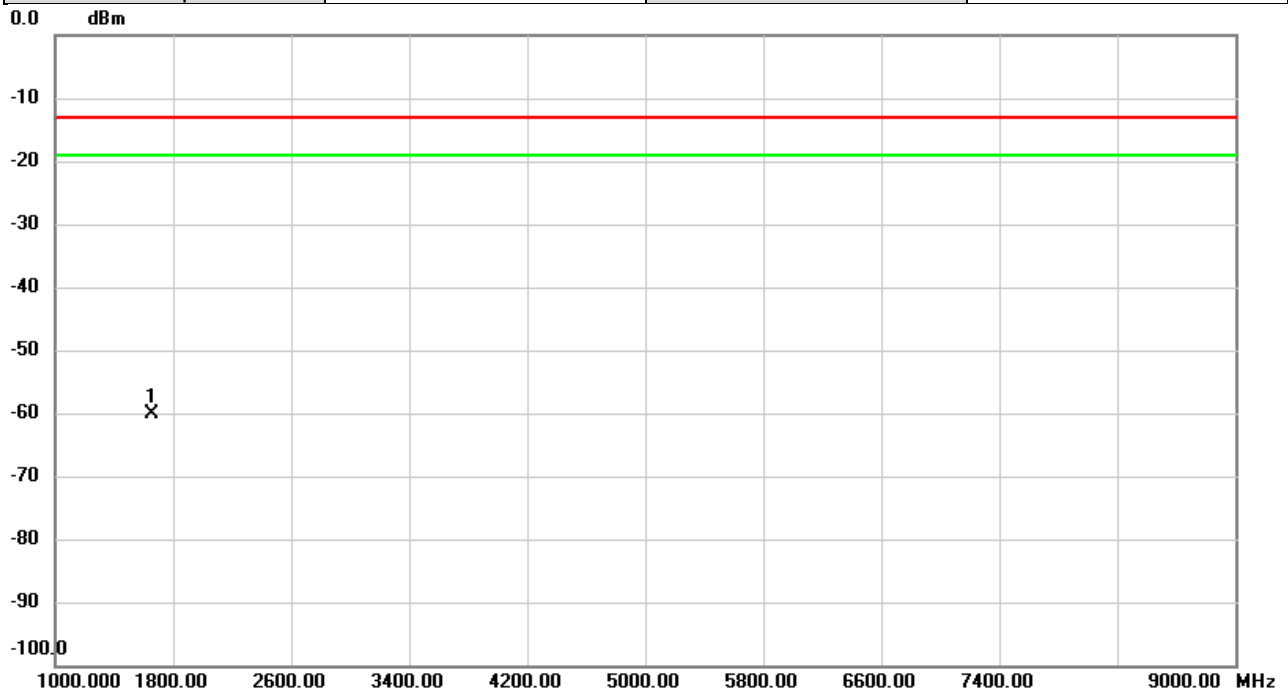


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1650.000	-63.80	4.39	-59.41	-13.00	-46.41	peak	

REMARKS:

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

Test Mode	LTE Band 5B_CA	Test Date	2023/3/18
Test Channel	20476+20575	Polarization	Vertical
Temp	23°C	Hum.	59%

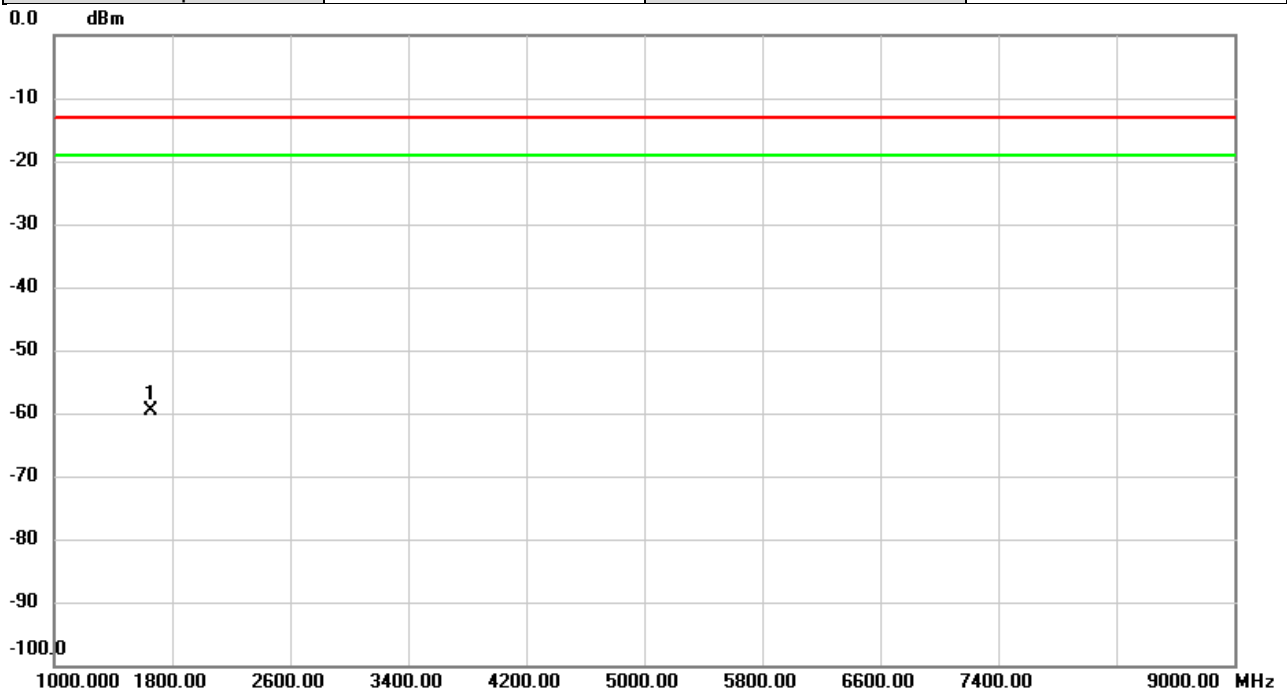


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1654.000	-64.56	4.54	-60.02	-13.00	-47.02	peak	

REMARKS:

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

Test Mode	LTE Band 5B_CA	Test Date	2023/3/18
Test Channel	20476+20575	Polarization	Horizontal
Temp	23°C	Hum.	59%

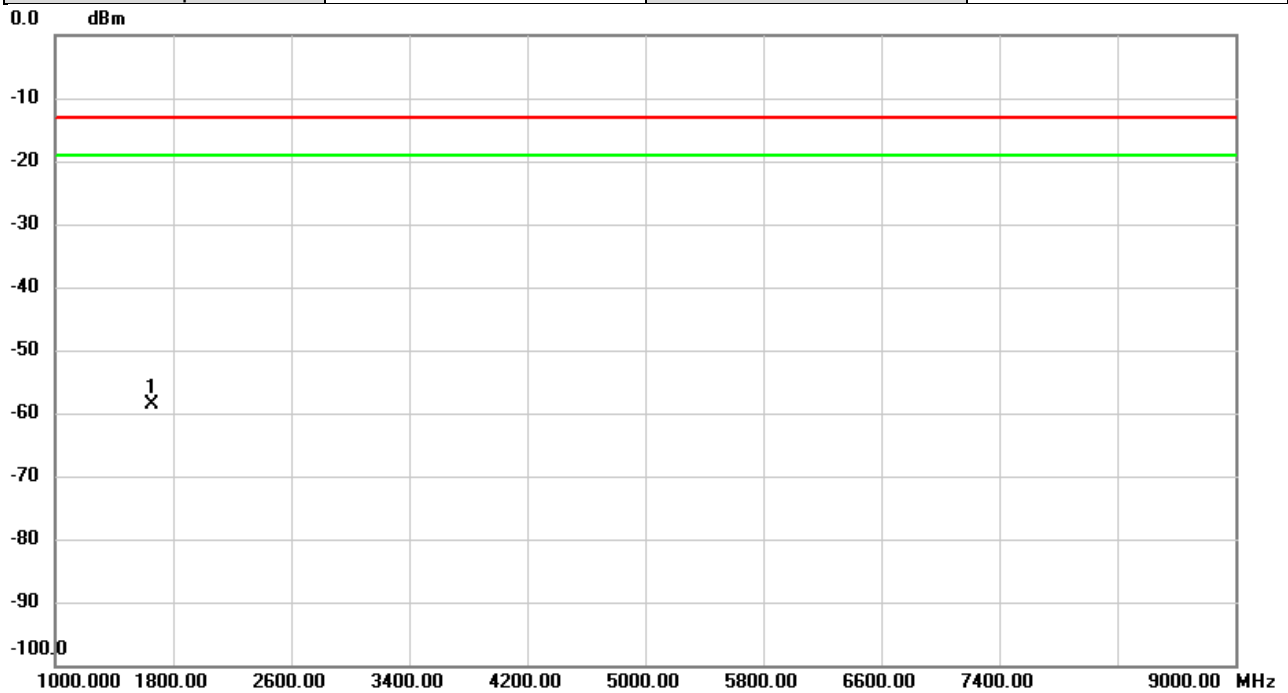


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1654.000	-63.95	4.41	-59.54	-13.00	-46.54	peak	

REMARKS:

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

Test Mode	LTE Band 5B_CA	Test Date	2023/3/18
Test Channel	20501+20600	Polarization	Vertical
Temp	23°C	Hum.	59%

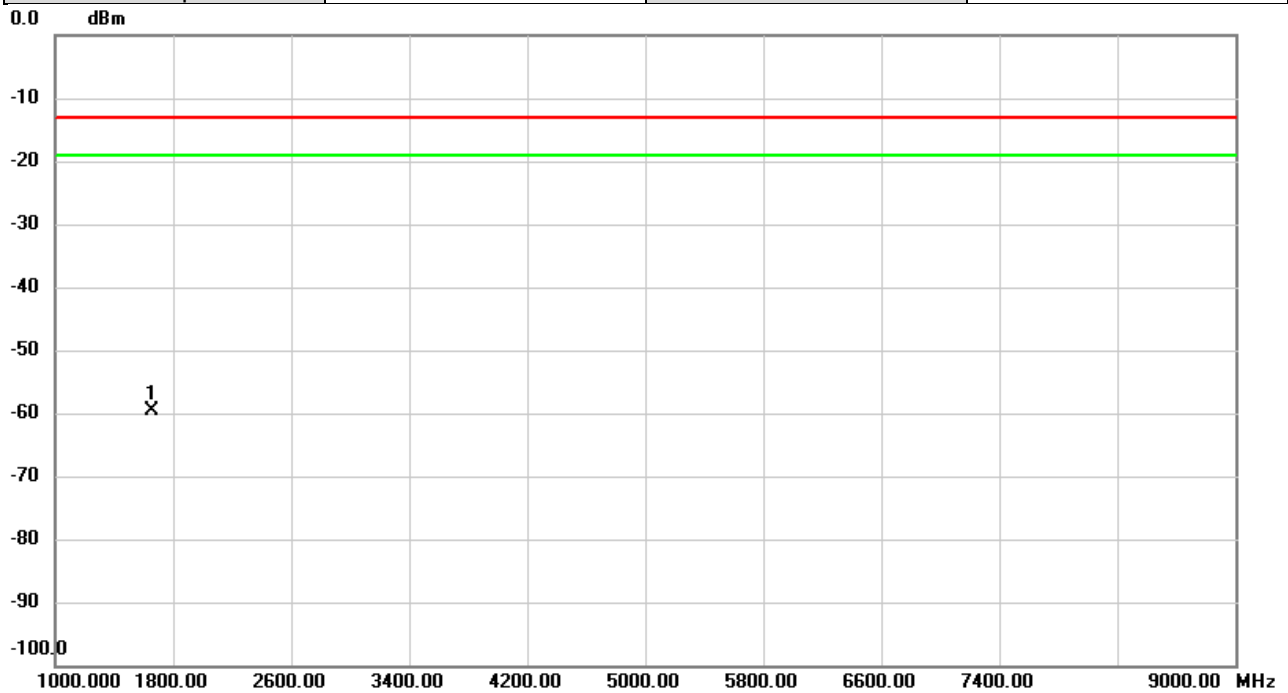


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1660.000	-63.19	4.53	-58.66	-13.00	-45.66	peak	

REMARKS:

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

Test Mode	LTE Band 5B_CA	Test Date	2023/3/18
Test Channel	20501+20600	Polarization	Horizontal
Temp	23°C	Hum.	59%

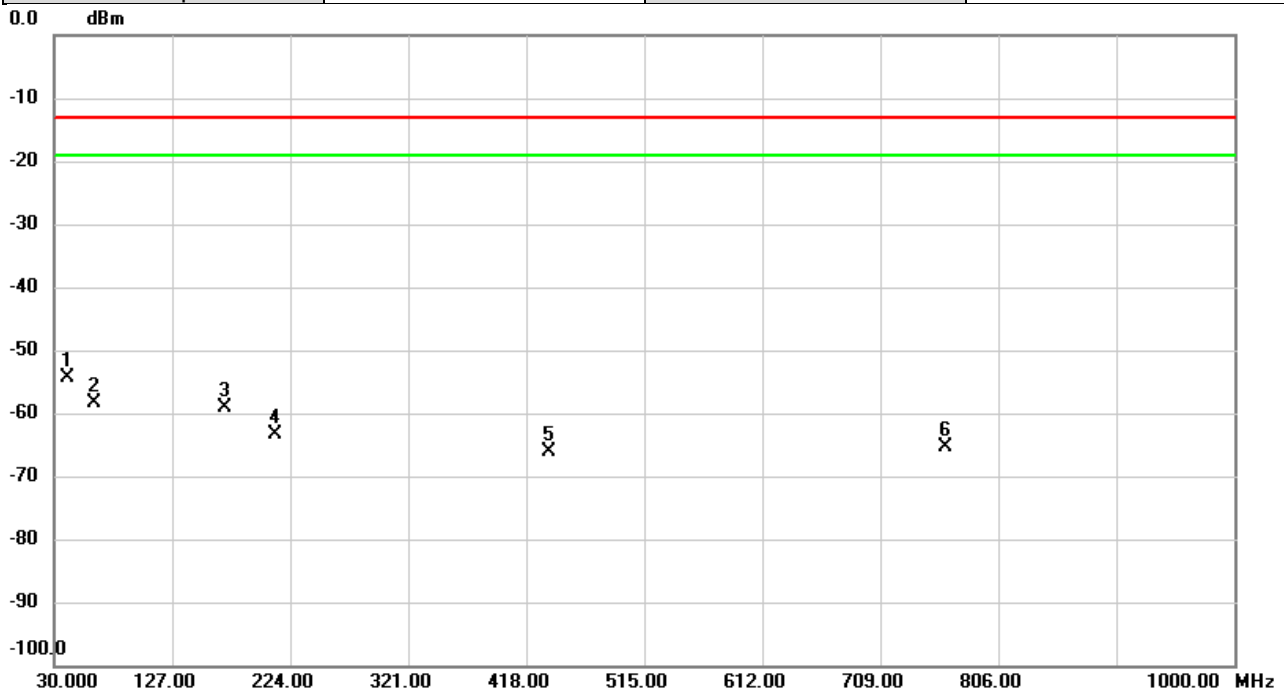


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1660.000	-63.97	4.45	-59.52	-13.00	-46.52	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/2/8
Test Channel	CH26865	Polarization	Vertical
Temp	23°C	Hum.	59%

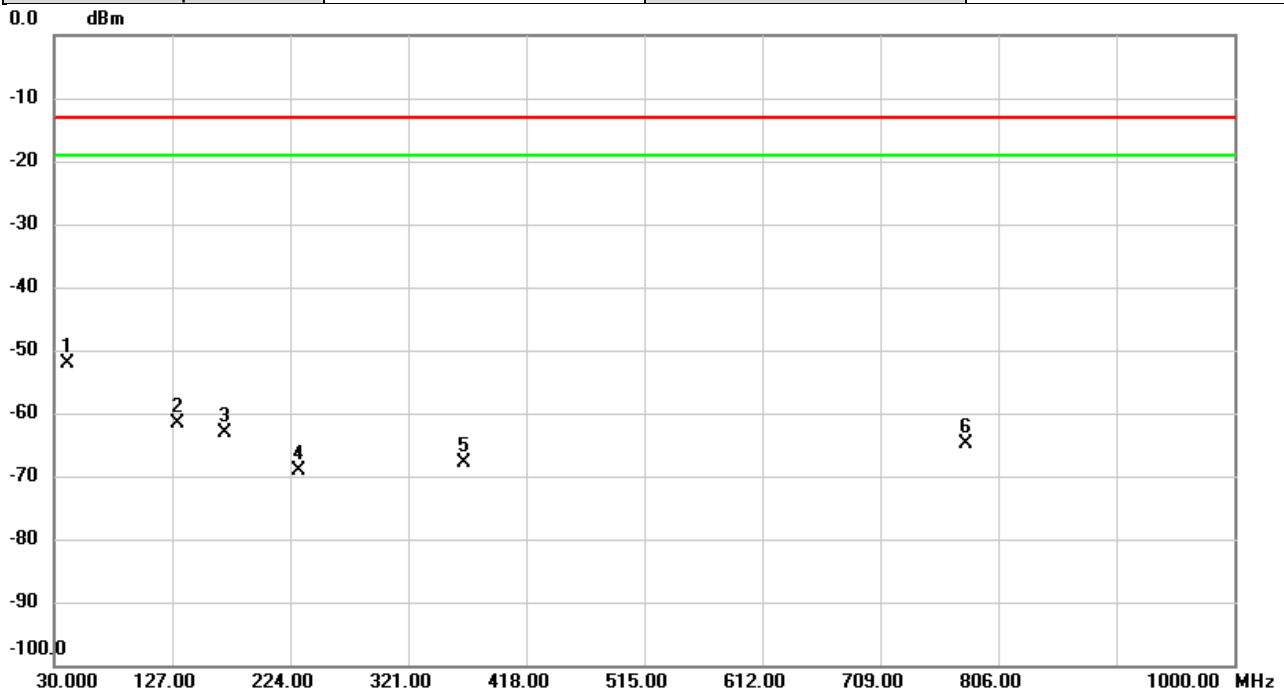


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	41.4460	-77.22	22.90	-54.32	-13.00	-41.32	peak	
2		63.0123	-75.94	17.64	-58.30	-13.00	-45.30	peak	
3		170.9086	-75.64	16.52	-59.12	-13.00	-46.12	peak	
4		211.7133	-75.24	11.78	-63.46	-13.00	-50.46	peak	
5		436.3977	-74.46	8.39	-66.07	-13.00	-53.07	peak	
6		762.8350	-75.28	9.79	-65.49	-13.00	-52.49	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/2/8
Test Channel	CH26865	Polarization	Horizontal
Temp	23°C	Hum.	59%

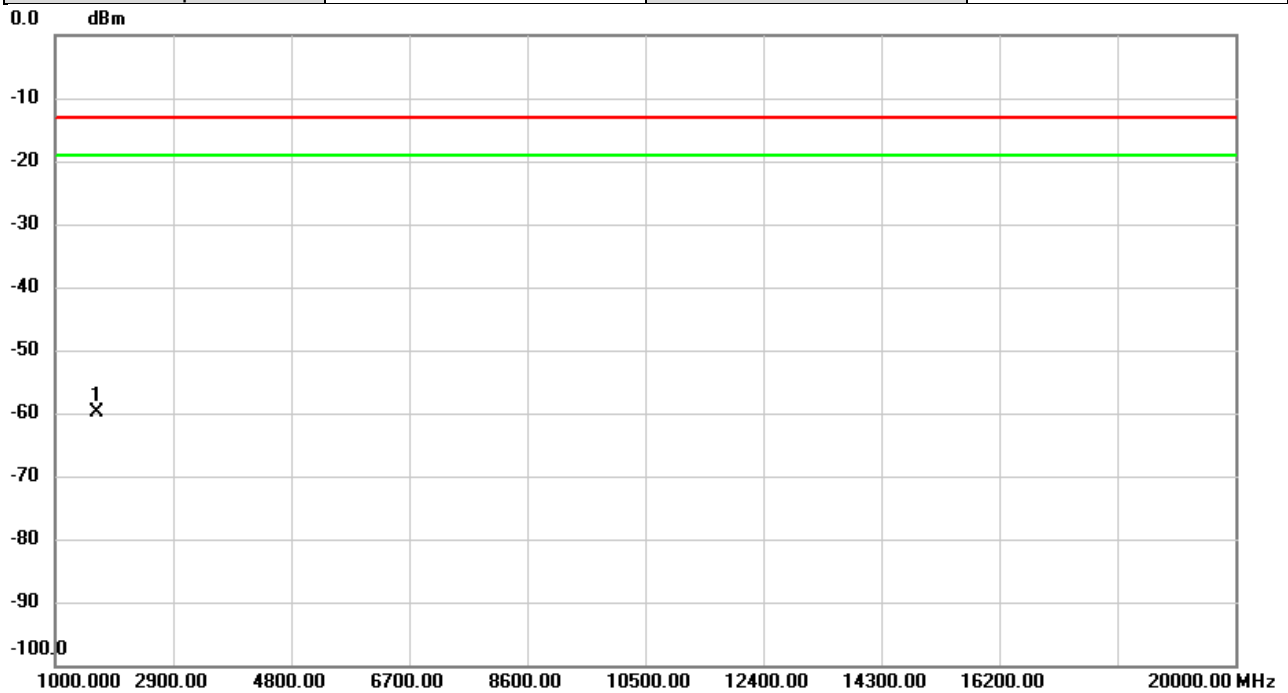


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	40.7347	-77.39	25.37	-52.02	-13.00	-39.02	peak	
2		131.0093	-76.01	14.33	-61.68	-13.00	-48.68	peak	
3		169.8093	-76.33	13.13	-63.20	-13.00	-50.20	peak	
4		231.1457	-76.63	7.45	-69.18	-13.00	-56.18	peak	
5		367.4953	-76.50	8.73	-67.77	-13.00	-54.77	peak	
6		779.3573	-74.97	10.00	-64.97	-13.00	-51.97	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/2/4
Test Channel	CH26865	Polarization	Vertical
Temp	23°C	Hum.	59%

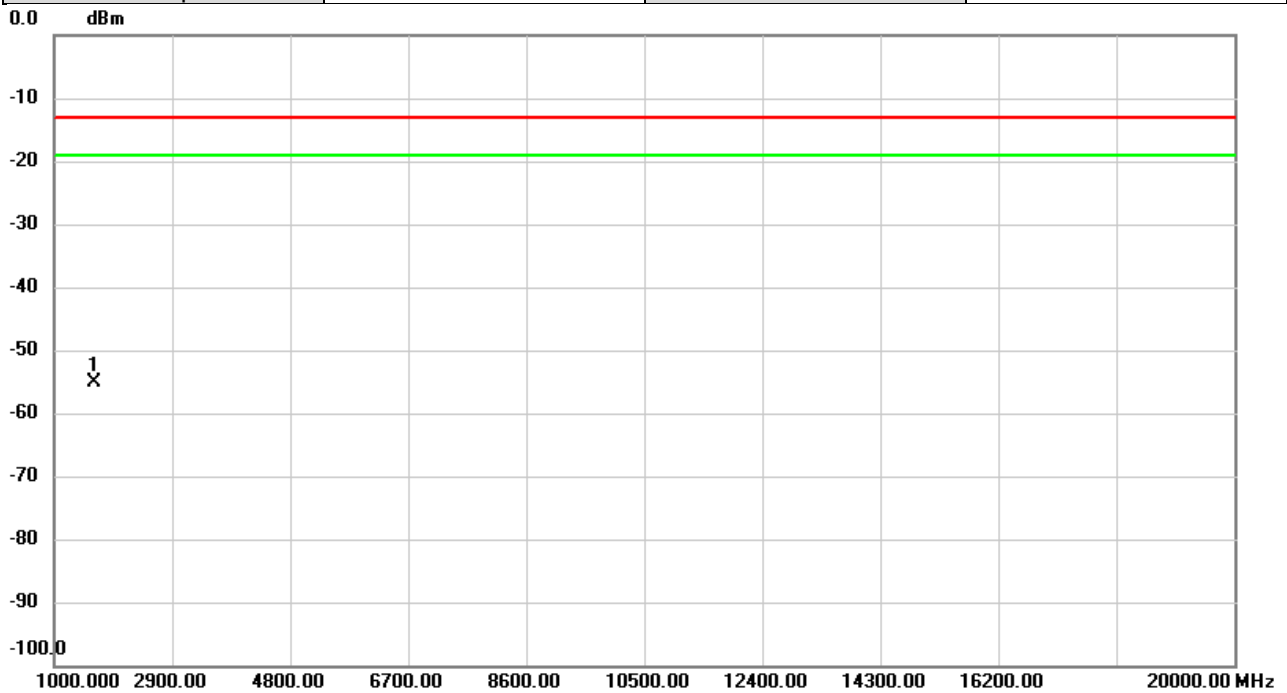


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1662.000	-64.44	4.53	-59.91	-13.00	-46.91	peak	

REMARKS:

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

Test Mode	LTE Band 26	Test Date	2023/2/4
Test Channel	CH26865	Polarization	Horizontal
Temp	23°C	Hum.	59%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1633.967	-59.47	4.27	-55.20	-13.00	-42.20	peak	

REMARKS:

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

End of Test Report