FCC Radio Test Report

FCC ID: QYLRC7611B41

Report No.	:	BTL-FCCP-1-2202T096
Equipment	:	Body Worn Camera
Model Name	:	BC-4K
Brand Name	:	Getac
Applicant	:	Getac Technology Corporation
Address	:	5F., Building A, No.209, Sec.1, Nangang., Rd., Nangang Dist., Taipei City 11568, Taiwan, R.O.C.
Radio Function	:	LTE Band 5, 26
FCC Rule Part(s)	:	FCC CFR Title 47, Part 22, Subpart H FCC CFR Title 47, Part 2
Measurement Procedure(s)	:	ANSI C63.26-2015 ANSI/TIA-603-E-2016 FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
Date of Receipt	:	2022/3/23
Date of Test	:	2022/8/2 ~ 2022/9/5
Issued Date	:	2022/10/26

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

Prepared by : Eric Lee
Eric Lee, Engineer

Approved by : Jerry Chuang
Jerry Chuang, Supervisor

Testing Laboratory
0659

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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-1-2202T096	R00	Original Report.	2022/10/3	Invalid
BTL-FCCP-1-2202T096	R01	Revised report to address TCB's comments.	2022/10/20	Invalid
BTL-FCCP-1-2202T096	R02	Revised report to address TCB's comments.	2022/10/26	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	NOTE (5)
-	Peak To Average Ratio	NOTE (3)	Pass	------
2.1049	Occupied Bandwidth	NOTE (3)	Pass	------
22.917(a)	Band Edge Measurements	NOTE (3)	Pass	------
2.1051 22.917(a)	Conducted Spurious Emissions	NOTE (3)	Pass	------
2.1055 22.355	Frequency Stability Temperature & Voltage	NOTE (3)	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 is to request a Class II permissive change for FCC ID: QYLRC7611B41 (This FCC ID is change ID based on Sierra Wireless Inc., the original application information follow as model: RC7611, FCC ID: N7NRC76B, approved on 02/05/2020)
Since the RF module has been certificated, after evaluation, above test items were criticized and reconfirmed in this report, for other test data can be refer report No.: 19B0422R-HPUSP50V00.
(4) The ac power lines conducted emissions, output power and radiated emissions are tested to demonstrate full compliance of both module integrated into the host and host itself.
(5) Due to the slight difference between each measurement, some of the new measured power values are larger than the original Module Report, but still within the tolerance range.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report:

No. 72, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
The test sites and facilities are covered under FCC RN: 674415 and DN: TW0659.
☐ C06 ☒ CB21 ☐ CB22

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
The test sites and facilities are covered under FCC RN: 674415 and DN: TW0659.
☒ C05 ☐ CB08 ☐ CB11 ☐ CB15 ☐ CB16
☒ SR05

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **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	22 °C, 50 %	AC 120V	Jay Tien
Conducted Output Power	24.3 °C, 61 %	AC 120V	Angela Wang
Effective Radiated Power	Refer to data	AC 120V	Mark Wang
Radiated Spurious Emissions	Refer to data	AC 120V	Mark Wang

2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

<table>
<tr><td>Equipment</td><td colspan="4">Body Worn Camera</td></tr>
<tr><td>Model Name</td><td colspan="4">BC-4K</td></tr>
<tr><td>Brand Name</td><td colspan="4">Getac</td></tr>
<tr><td>Model Difference</td><td colspan="4">N/A</td></tr>
<tr><td>Power Source</td><td colspan="4">(1) From host system or power adapter.
(2) Battery supplied.</td></tr>
<tr><td>Power Rating</td><td colspan="4">(1)<table><tr><td>BC-4K</td><td>Cable type</td><td>Input Voltage</td></tr><tr><td>Pogo pins</td><td>Magnetic USB type A to pogo Cable</td><td>5V /1.5A</td></tr><tr><td>USB type C</td><td>Type C To C cable</td><td>5V/3A and 9V/2.2A</td></tr></table>
(2) Getac / BP1S1P5000P:
Rated Voltage: 3.63 Vdc
Rated capacity: 4750 mAh, 17.24 Wh
Typical capacity: 5000 mAh, 18.15 Wh</td></tr>
<tr><td>Products Covered</td><td colspan="4">1 * Adjustable Pocket Mount
1 * Clip Mount
1 * Magnetic Mount
1 * Molle Mount
1 * Dual Magnetic Mount</td></tr>
<tr><td>WWAN Module</td><td colspan="4">AirPrime / RC7611</td></tr>
<tr><td rowspan="3">Operation Frequency</td><td>Band</td><td>UL Frequency (MHz)</td><td colspan="2">DL Frequency (MHz)</td></tr>
<tr><td>LTE 5</td><td>824 ~ 849</td><td colspan="2">869 ~ 894</td></tr>
<tr><td>LTE 26</td><td>824 ~ 849</td><td colspan="2">869 ~ 894</td></tr>
<tr><td rowspan="19">Maximum ERP</td><td>Band</td><td>BW (MHz)</td><td>Mode</td><td>Power (W)</td></tr>
<tr><td rowspan="8">LTE 5</td><td rowspan="2">1.4</td><td>QPSK</td><td>0.102</td></tr>
<tr><td>16QAM</td><td>0.083</td></tr>
<tr><td rowspan="2">3</td><td>QPSK</td><td>0.103</td></tr>
<tr><td>16QAM</td><td>0.084</td></tr>
<tr><td rowspan="2">5</td><td>QPSK</td><td>0.104</td></tr>
<tr><td>16QAM</td><td>0.085</td></tr>
<tr><td rowspan="2">10</td><td>QPSK</td><td>0.105</td></tr>
<tr><td>16QAM</td><td>0.086</td></tr>
<tr><td rowspan="10">LTE 26</td><td rowspan="2">1.4</td><td>QPSK</td><td>0.100</td></tr>
<tr><td>16QAM</td><td>0.081</td></tr>
<tr><td rowspan="2">3</td><td>QPSK</td><td>0.101</td></tr>
<tr><td>16QAM</td><td>0.082</td></tr>
<tr><td rowspan="2">5</td><td>QPSK</td><td>0.102</td></tr>
<tr><td>16QAM</td><td>0.083</td></tr>
<tr><td rowspan="2">10</td><td>QPSK</td><td>0.104</td></tr>
<tr><td>16QAM</td><td>0.084</td></tr>
<tr><td rowspan="2">15</td><td>QPSK</td><td>0.105</td></tr>
<tr><td>16QAM</td><td>0.085</td></tr>
<tr><td>Test Model</td><td colspan="4">BC-4K</td></tr>
<tr><td>Sample Status</td><td colspan="4">Engineering Sample</td></tr>
<tr><td>EUT Modification(s)</td><td colspan="4">N/A</td></tr>
</table>

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	Brand Name	Model Name	Type	Connector	Gain (dBi)	Note
Main	Getac	BC-4K	Loop	N/A	-1.18	LTE Band 5
					-1.18	LTE Band 26
Aux	Getac	BC-4K	Loop	N/A	-	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

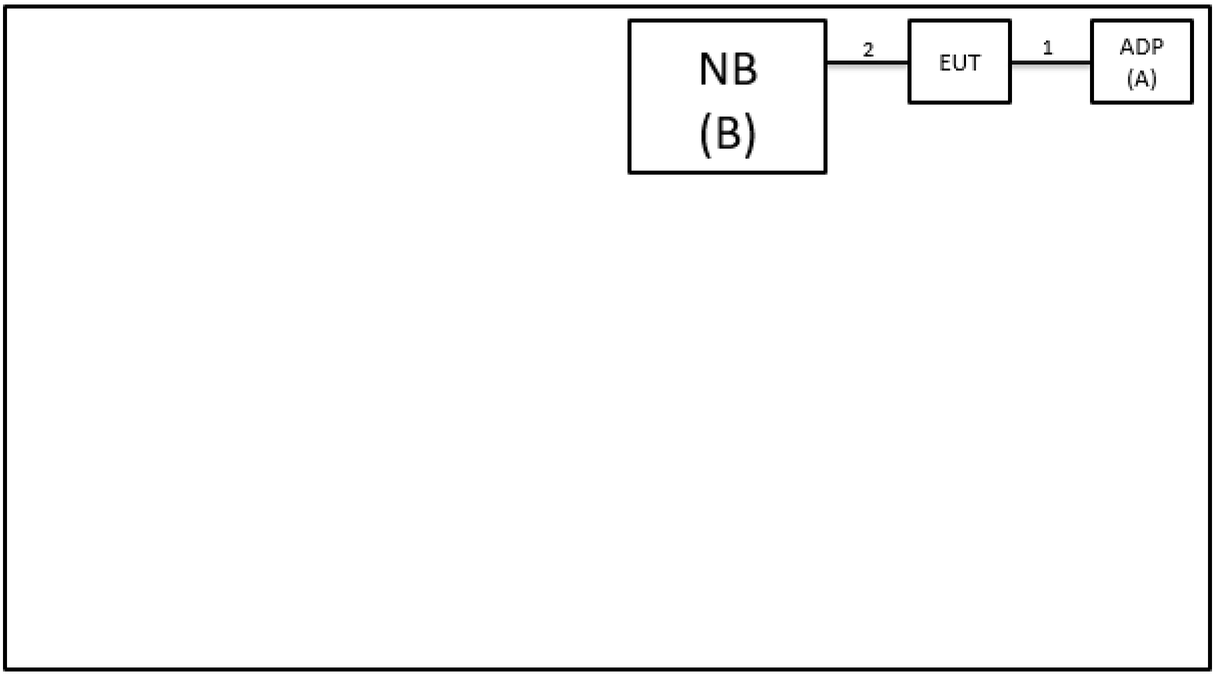
Test Items	Band	Test Mode	Note
AC Power Line Conducted Emissions	-	Normal/Idle	-
Conducted Output Power	LTE Band 5	Refer to APPENDIX B	-
	LTE Band 26		
Effective Radiated Power	LTE Band 5	TX Mode (CH 20450/20525/20600)	-
	LTE Band 26	TX Mode (CH 26865/26915/26965)	-
Radiated Spurious Emissions	LTE Band 5	TX Mode (CH 20525)	-
	LTE Band 26	TX Mode (CH 26865)	-

NOTE:
(1) All X, Y and Z axes are evaluated, but only the worst case (Y axis) is recorded.
(2) For Radiated Spurious Emissions both QPSK and 16QAM are evaluated, but only the worst case (QPSK) is recorded.

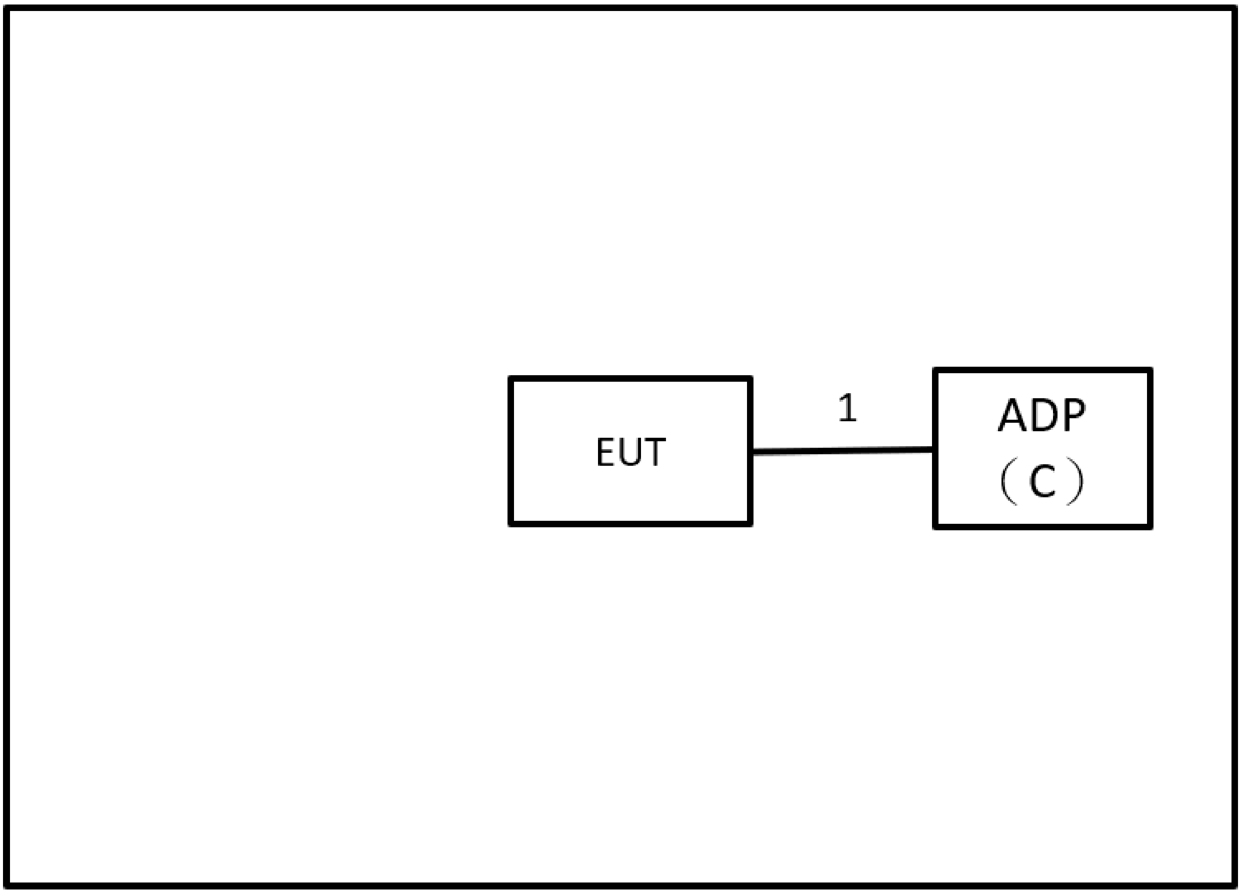
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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

AC Power Line Conducted Emissions Test



Radiated Emissions Test



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Adapter	SONY	AC-0051-TW	4017W29100317	Furnished by test lab.
B	NB	ASUS	X555LN-0021B4 210U	N/A	Furnished by test lab.
C	Adapter	SAMSUNG	EP-TA12JWS	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	1m	Magnetic USB typeA to pogo Cable	Supplied by test requester.
2	N/A	N/A	1.2m	USB Cable	Furnished by test lab.

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

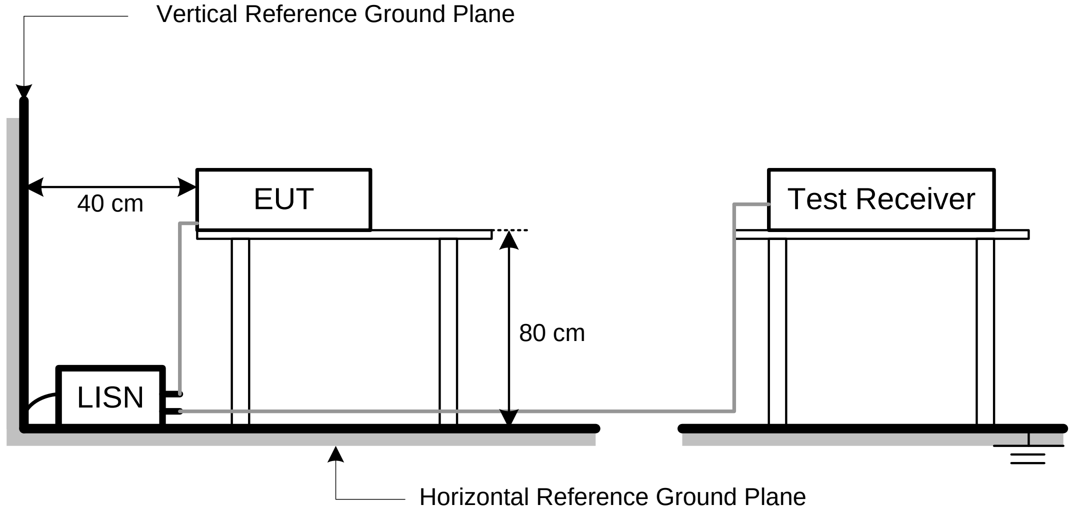
a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
All other support equipment were powered from an additional LISN(s).
The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
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.

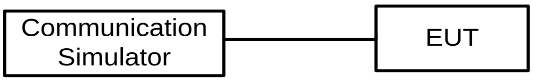
a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from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

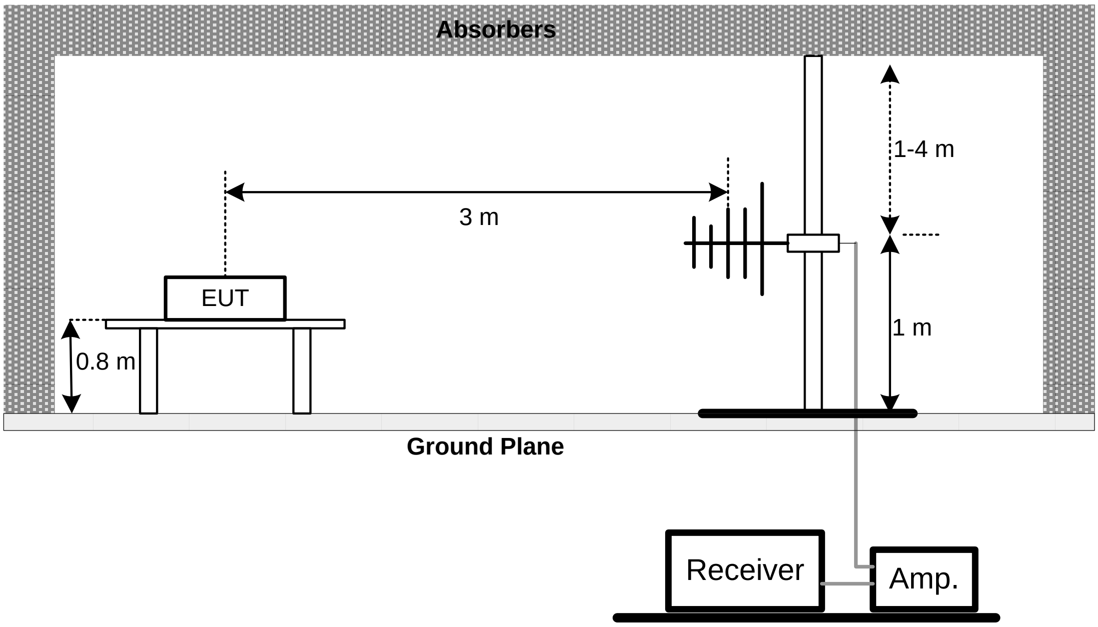
No deviation.

4.4 TEST SETUP

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.

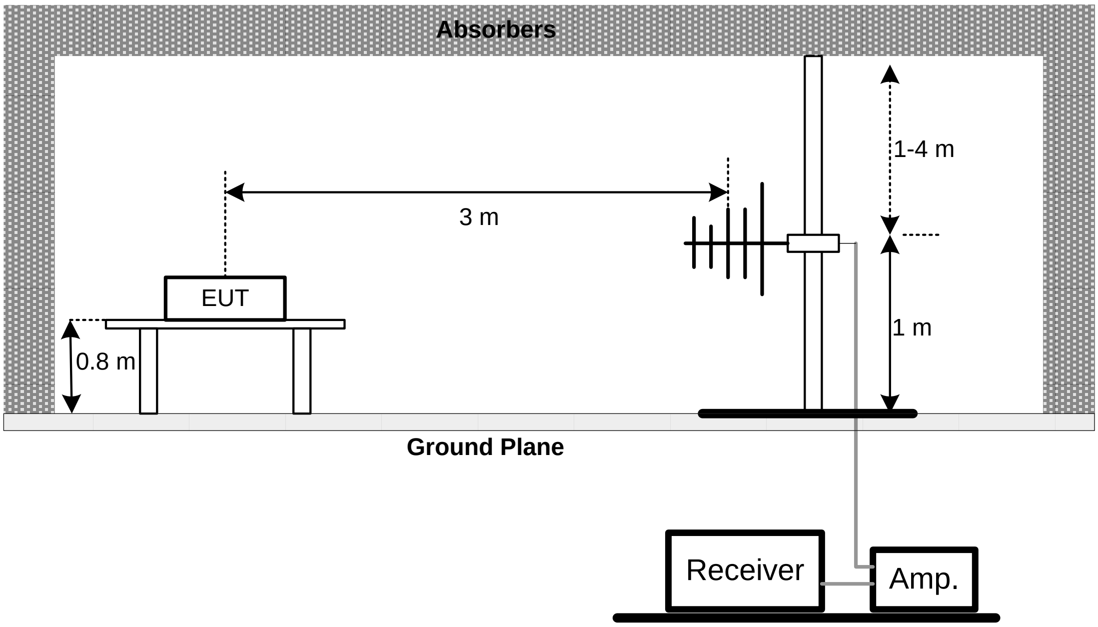
a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from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

5.3 DEVIATION FROM TEST STANDARD

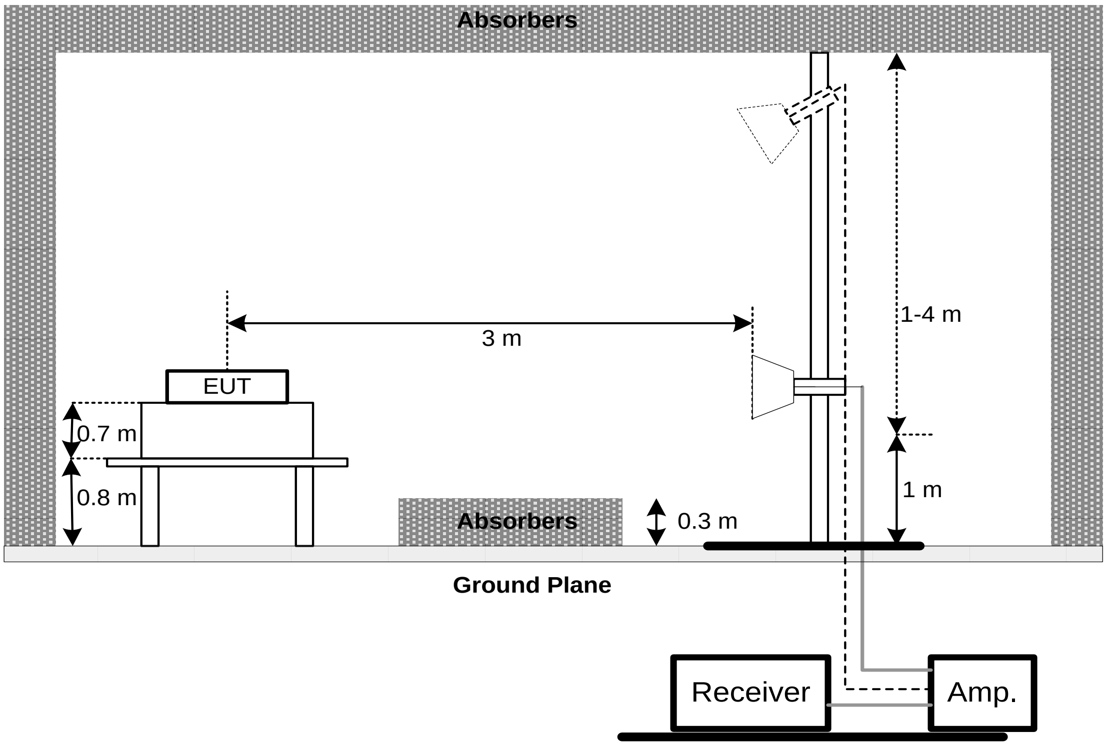
No deviation.

5.4 TEST SETUP

30 MHz to 1 GHz



Above 1 GHz



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	101051	2022/6/15	2023/6/14
2	Test Cable	EMCI	EMCRG58-BM-BM-9000	210501	2022/5/2	2023/5/1
3	EMI Test Receiver	R&S	ESR 7	101433	2021/11/24	2022/11/23
4	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	Radio Communication Analyzer	Anritsu	MT8820C	6201381608	2021/12/15	2022/12/14

Effective Radiated Power and Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC330N	980850	2021/9/23	2022/9/22
2	Preamplifier	EMCI	EMC118A45SE	980819	2022/3/8	2023/3/7
3	Preamplifier	EMCI	EMC001340	980555	2022/4/6	2023/4/5
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	N9020A	MY57120120	2022/3/7	2023/3/6
8	Loop Ant	Electro-Metrics	EMCI-LPA600	274	2022/6/28	2023/6/27
9	Horn Antenna	RFSPIN	DRH18-E	211202A18EN	2022/5/18	2023/5/17
10	Horn Ant	Schwarzbeck	BBHA 9170D	1136	2022/5/18	2023/5/17
11	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2022/5/20	2023/5/19
12	6dB Attenuator	EMCI	EMCI-N-6-06	AT-N0625	2022/5/20	2023/5/19
13	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A
14	Radio Communication Analyzer (LTE)	Anritsu	MT8820C	6201381608	2021/12/15	2022/12/14

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

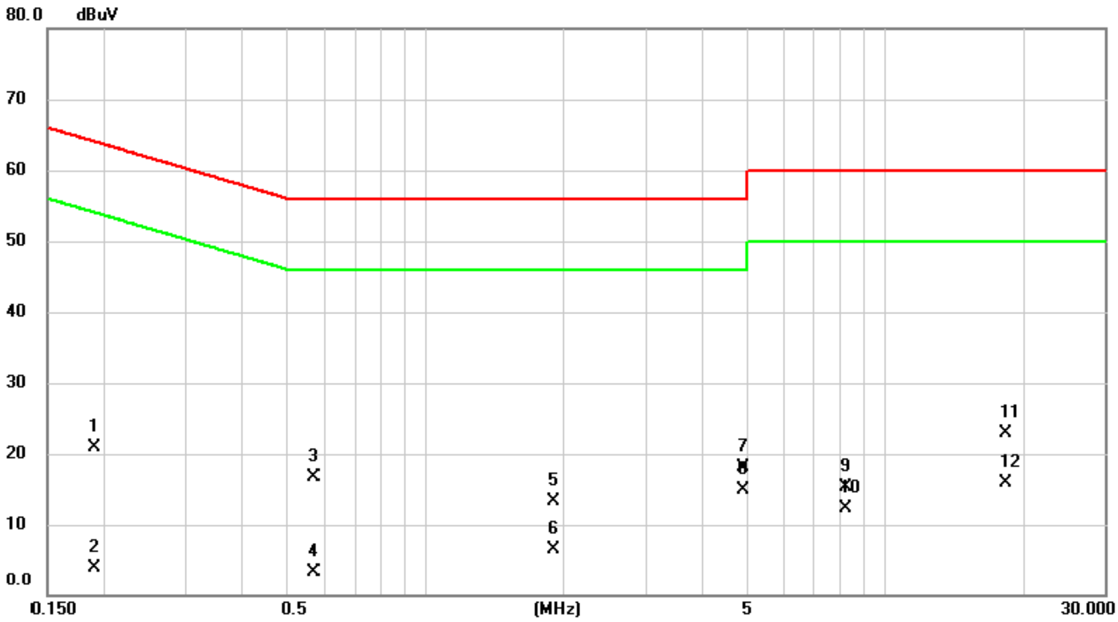
Please refer to document Appendix No.: TP-2202T096-FCCP-1 (APPENDIX-TEST PHOTOS).

8 EUT PHOTOS

Please refer to document Appendix No.: EP-2202T096-2 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

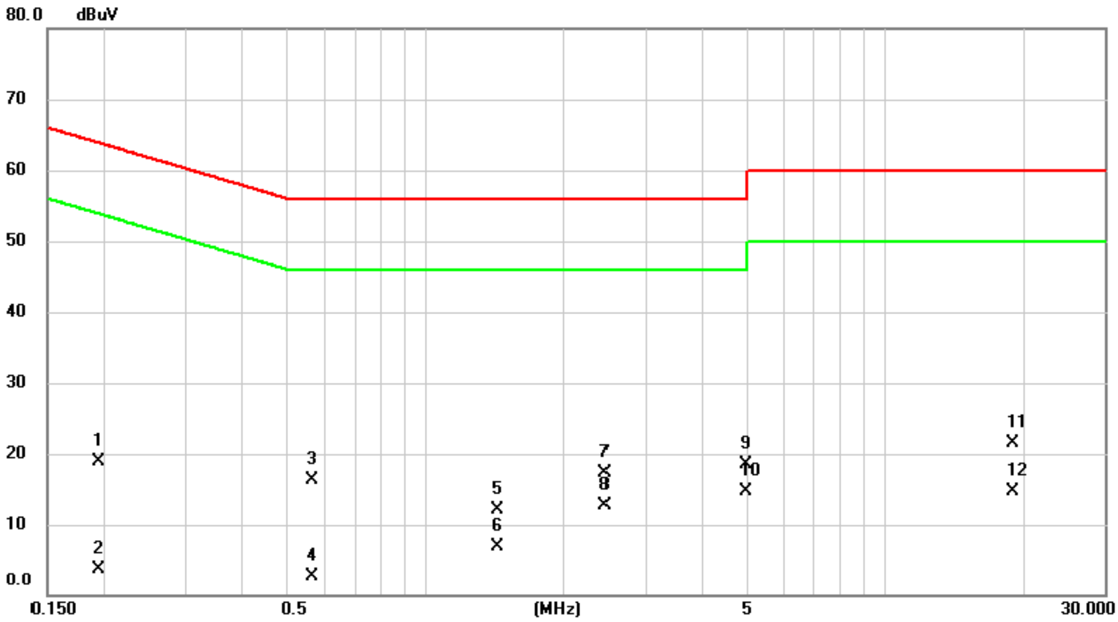
Test Mode	Normal	Tested Date	2022/8/5
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1905	11.25	9.63	20.88	64.01	-43.13	QP	
2		0.1905	-5.65	9.63	3.98	54.01	-50.03	AVG	
3		0.5714	7.15	9.62	16.77	56.00	-39.23	QP	
4		0.5714	-6.23	9.62	3.39	46.00	-42.61	AVG	
5		1.8957	3.54	9.69	13.23	56.00	-42.77	QP	
6		1.8957	-3.12	9.69	6.57	46.00	-39.43	AVG	
7		4.8945	8.41	9.75	18.16	56.00	-37.84	QP	
8	*	4.8945	5.21	9.75	14.96	46.00	-31.04	AVG	
9		8.2165	5.44	9.82	15.26	60.00	-44.74	QP	
10		8.2165	2.53	9.82	12.35	50.00	-37.65	AVG	
11		18.1755	13.08	9.82	22.90	60.00	-37.10	QP	
12		18.1755	6.12	9.82	15.94	50.00	-34.06	AVG	

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

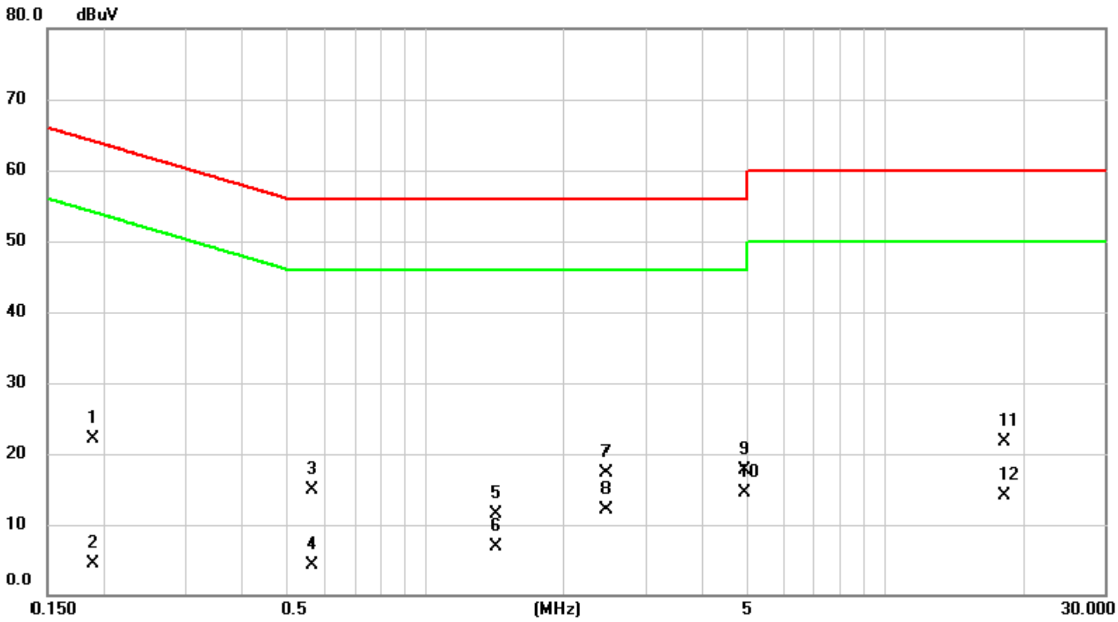
Test Mode	Normal	Tested Date	2022/8/5
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1945	9.35	9.62	18.97	63.84	-44.87	QP	
2		0.1945	-5.84	9.62	3.78	53.84	-50.06	AVG	
3		0.5670	6.77	9.62	16.39	56.00	-39.61	QP	
4		0.5670	-6.98	9.62	2.64	46.00	-43.36	AVG	
5		1.4380	2.35	9.67	12.02	56.00	-43.98	QP	
6		1.4380	-2.84	9.67	6.83	46.00	-39.17	AVG	
7		2.4438	7.54	9.70	17.24	56.00	-38.76	QP	
8		2.4438	3.02	9.70	12.72	46.00	-33.28	AVG	
9		4.9537	8.65	9.76	18.41	56.00	-37.59	QP	
10	*	4.9537	4.88	9.76	14.64	46.00	-31.36	AVG	
11		18.9453	11.63	9.94	21.57	60.00	-38.43	QP	
12		18.9453	4.72	9.94	14.66	50.00	-35.34	AVG	

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

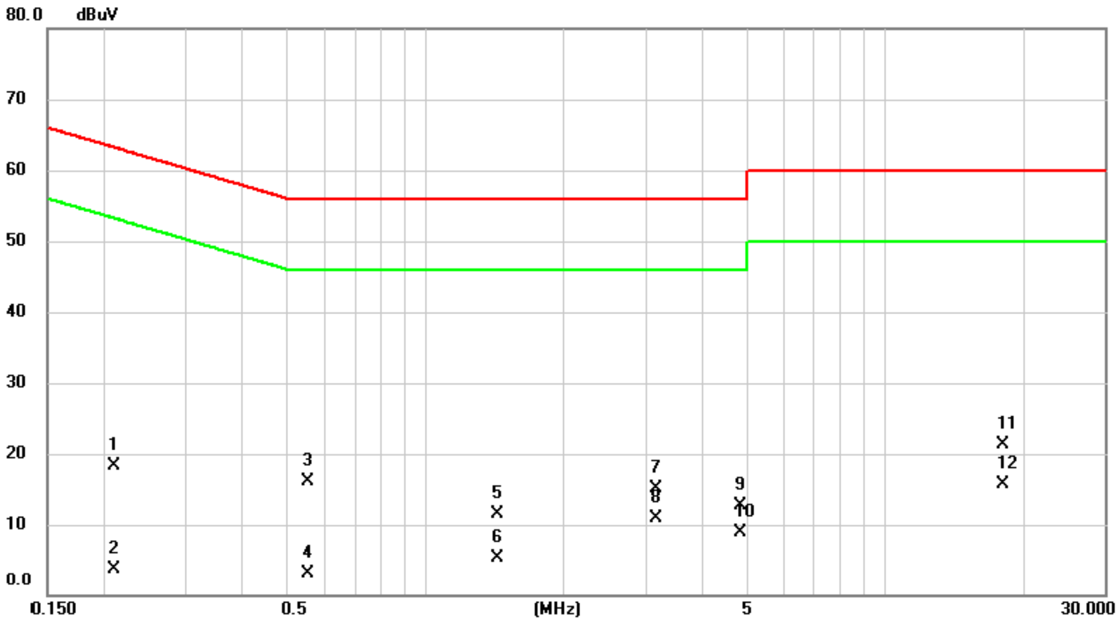
Test Mode	Idle	Tested Date	2022/8/5
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1883	12.44	9.63	22.07	64.11	-42.04	QP	
2		0.1883	-5.12	9.63	4.51	54.11	-49.60	AVG	
3		0.5662	5.26	9.62	14.88	56.00	-41.12	QP	
4		0.5662	-5.34	9.62	4.28	46.00	-41.72	AVG	
5		1.4235	1.84	9.67	11.51	56.00	-44.49	QP	
6		1.4235	-2.84	9.67	6.83	46.00	-39.17	AVG	
7		2.4653	7.52	9.70	17.22	56.00	-38.78	QP	
8		2.4653	2.45	9.70	12.15	46.00	-33.85	AVG	
9		4.9290	7.98	9.75	17.73	56.00	-38.27	QP	
10	*	4.9290	4.84	9.75	14.59	46.00	-31.41	AVG	
11		18.1613	11.89	9.82	21.71	60.00	-38.29	QP	
12		18.1613	4.23	9.82	14.05	50.00	-35.95	AVG	

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

Test Mode	Idle	Tested Date	2022/8/5
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2100	8.75	9.62	18.37	63.21	-44.84	QP	
2		0.2100	-5.84	9.62	3.78	53.21	-49.43	AVG	
3		0.5571	6.54	9.62	16.16	56.00	-39.84	QP	
4		0.5571	-6.52	9.62	3.10	46.00	-42.90	AVG	
5		1.4351	1.84	9.67	11.51	56.00	-44.49	QP	
6		1.4351	-4.33	9.67	5.34	46.00	-40.66	AVG	
7		3.1540	5.41	9.73	15.14	56.00	-40.86	QP	
8		3.1540	1.23	9.73	10.96	46.00	-35.04	AVG	
9		4.8432	2.99	9.76	12.75	56.00	-43.25	QP	
10		4.8432	-0.95	9.76	8.81	46.00	-37.19	AVG	
11		18.0244	11.32	9.92	21.24	60.00	-38.76	QP	
12	*	18.0244	5.88	9.92	15.80	50.00	-34.20	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:

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	23.21	19.88	0.097
					1	2	0	23.40	20.07	0.102
					1	5	0	23.16	19.83	0.096
					3	0	0	23.21	19.88	0.097
					3	1	0	23.40	20.07	0.102
					3	2	0	23.16	19.83	0.096
					6	0	1	22.32	18.99	0.079
				16QAM	1	0	1	22.30	18.97	0.079
					1	2	1	22.50	19.17	0.083
					1	5	1	22.27	18.94	0.078
					3	0	1	22.30	18.97	0.079
					3	1	1	22.50	19.17	0.083
					3	2	1	22.27	18.94	0.078
					6	0	2	21.43	18.10	0.065
		20525	836.5	QPSK	1	0	0	23.38	20.05	0.101
					1	2	0	23.33	20.00	0.100
					1	5	0	23.31	19.98	0.100
					3	0	0	23.38	20.05	0.101
					3	1	0	23.33	20.00	0.100
					3	2	0	23.31	19.98	0.100
					6	0	1	22.49	19.16	0.082
				16QAM	1	0	1	22.47	19.14	0.082
					1	2	1	22.43	19.10	0.081
					1	5	1	22.42	19.09	0.081
					3	0	1	22.47	19.14	0.082
					3	1	1	22.43	19.10	0.081
					3	2	1	22.42	19.09	0.081
					6	0	2	21.41	18.08	0.064
		20643	848.3	QPSK	1	0	0	22.71	19.38	0.087
					1	2	0	23.06	19.73	0.094
					1	5	0	22.63	19.30	0.085
					3	0	0	22.71	19.38	0.087
					3	1	0	23.06	19.73	0.094
					3	2	0	22.63	19.30	0.085
					6	0	1	21.82	18.49	0.071
				16QAM	1	0	1	21.80	18.47	0.070
					1	2	1	22.16	18.83	0.076
					1	5	1	21.74	18.41	0.069
					3	0	1	21.80	18.47	0.070
					3	1	1	22.16	18.83	0.076
					3	2	1	21.74	18.41	0.069
					6	0	2	20.73	17.40	0.055

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
5	3	20415	825.5	QPSK	1	0	0	23.26	19.93	0.098
					1	7	0	23.45	20.12	0.103
					1	14	0	23.21	19.88	0.097
					8	0	1	22.37	19.04	0.080
					8	4	1	22.61	19.28	0.085
					8	7	1	22.35	19.02	0.080
					15	0	1	22.37	19.04	0.080
				16QAM	1	0	1	22.35	19.02	0.080
					1	7	1	22.55	19.22	0.084
					1	14	1	22.32	18.99	0.079
					8	0	2	21.26	17.93	0.062
					8	4	2	21.56	18.23	0.067
					8	7	2	21.51	18.18	0.066
					15	0	2	21.48	18.15	0.065
		20525	836.5	QPSK	1	0	0	23.43	20.10	0.102
					1	7	0	23.38	20.05	0.101
					1	14	0	23.36	20.03	0.101
					8	0	1	22.54	19.21	0.083
					8	4	1	22.54	19.21	0.083
					8	7	1	22.50	19.17	0.083
					15	0	1	22.54	19.21	0.083
				16QAM	1	0	1	22.52	19.19	0.083
					1	7	1	22.48	19.15	0.082
					1	14	1	22.47	19.14	0.082
					8	0	2	21.46	18.13	0.065
					8	4	2	21.49	18.16	0.065
					8	7	2	21.44	18.11	0.065
					15	0	2	21.41	18.08	0.064
		20635	847.5	QPSK	1	0	0	22.76	19.43	0.088
					1	7	0	23.11	19.78	0.095
					1	14	0	22.68	19.35	0.086
					8	0	1	21.87	18.54	0.071
					8	4	1	22.27	18.94	0.078
					8	7	1	21.82	18.49	0.071
					15	0	1	21.87	18.54	0.071
				16QAM	1	0	1	21.85	18.52	0.071
					1	7	1	22.21	18.88	0.077
					1	14	1	21.79	18.46	0.070
					8	0	2	20.78	17.45	0.056
					8	4	2	21.22	17.89	0.062
					8	7	2	21.17	17.84	0.061
					15	0	2	21.14	17.81	0.060

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	23.31	19.98	0.100
					1	12	0	23.50	20.17	0.104
					1	24	0	23.26	19.93	0.098
					12	0	1	22.42	19.09	0.081
					12	6	1	22.66	19.33	0.086
					12	11	1	22.40	19.07	0.081
					25	0	1	22.42	19.09	0.081
				16QAM	1	0	1	22.40	19.07	0.081
					1	12	1	22.60	19.27	0.085
					1	24	1	22.37	19.04	0.080
					12	0	2	21.31	17.98	0.063
					12	6	2	21.61	18.28	0.067
					12	11	2	21.56	18.23	0.067
					25	0	2	21.53	18.20	0.066
		20525	836.5	QPSK	1	0	0	23.48	20.15	0.104
					1	12	0	23.43	20.10	0.102
					1	24	0	23.41	20.08	0.102
					12	0	1	22.59	19.26	0.084
					12	6	1	22.59	19.26	0.084
					12	11	1	22.55	19.22	0.084
					25	0	1	22.59	19.26	0.084
				16QAM	1	0	1	22.57	19.24	0.084
					1	12	1	22.53	19.20	0.083
					1	24	1	22.52	19.19	0.083
					12	0	2	21.51	18.18	0.066
					12	6	2	21.54	18.21	0.066
					12	11	2	21.49	18.16	0.065
					25	0	2	21.46	18.13	0.065
		20625	846.5	QPSK	1	0	0	22.81	19.48	0.089
					1	12	0	23.16	19.83	0.096
					1	24	0	22.73	19.40	0.087
					12	0	1	21.92	18.59	0.072
					12	6	1	22.32	18.99	0.079
					12	11	1	21.87	18.54	0.071
					25	0	1	21.92	18.59	0.072
				16QAM	1	0	1	21.90	18.57	0.072
					1	12	1	22.26	18.93	0.078
					1	24	1	21.84	18.51	0.071
					12	0	2	20.83	17.50	0.056
					12	6	2	21.27	17.94	0.062
					12	11	2	21.22	17.89	0.062
					25	0	2	21.19	17.86	0.061

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	**23.36**	20.03	0.101
					1	24	0	**23.55**	20.22	0.105
					1	49	0	**23.31**	19.98	0.100
					25	0	1	22.47	19.14	0.082
					25	12	1	22.71	19.38	0.087
					25	24	1	22.45	19.12	0.082
					50	0	1	22.47	19.14	0.082
				16QAM	1	0	1	22.45	19.12	0.082
					1	24	1	22.65	19.32	0.086
					1	49	1	22.42	19.09	0.081
					25	0	2	21.36	18.03	0.064
					25	12	2	21.66	18.33	0.068
					25	24	2	21.61	18.28	0.067
					50	0	2	21.58	18.25	0.067
		20525	836.5	QPSK	1	0	0	**23.53**	20.20	0.105
					1	24	0	**23.48**	20.15	0.104
					1	49	0	**23.46**	20.13	0.103
					25	0	1	22.64	19.31	0.085
					25	12	1	22.64	19.31	0.085
					25	24	1	22.60	19.27	0.085
					50	0	1	22.64	19.31	0.085
				16QAM	1	0	1	22.62	19.29	0.085
					1	24	1	22.58	19.25	0.084
					1	49	1	22.57	19.24	0.084
					25	0	2	21.56	18.23	0.067
					25	12	2	21.59	18.26	0.067
					25	24	2	21.54	18.21	0.066
					50	0	2	21.51	18.18	0.066
		20600	844.0	QPSK	1	0	0	**22.86**	19.53	0.090
					1	24	0	**23.21**	19.88	0.097
					1	49	0	**22.78**	19.45	0.088
					25	0	1	21.97	18.64	0.073
					25	12	1	22.37	19.04	0.080
					25	24	1	21.92	18.59	0.072
					50	0	1	21.97	18.64	0.073
				16QAM	1	0	1	21.95	18.62	0.073
					1	24	1	22.31	18.98	0.079
					1	49	1	21.89	18.56	0.072
					25	0	2	20.88	17.55	0.057
					25	12	2	21.32	17.99	0.063
					25	24	2	21.27	17.94	0.062
					50	0	2	21.24	17.91	0.062

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

LTE Band 26 Power:

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
26	1.4	26797	824.7	QPSK	1	0	0	22.90	19.57	0.091
					1	2	0	23.33	20.00	0.100
					1	5	0	22.95	19.62	0.092
					3	0	0	22.90	19.57	0.091
					3	1	0	23.33	20.00	0.100
					3	2	0	22.95	19.62	0.092
					6	0	1	22.01	18.68	0.074
				16QAM	1	0	1	21.99	18.66	0.073
					1	2	1	22.43	19.10	0.081
					1	5	1	22.06	18.73	0.075
					3	0	1	21.99	18.66	0.073
					3	1	1	22.43	19.10	0.081
					3	2	1	22.06	18.73	0.075
					6	0	2	21.36	18.03	0.064
		26915	836.5	QPSK	1	0	0	22.69	19.36	0.086
					1	2	0	23.21	19.88	0.097
					1	5	0	22.80	19.47	0.089
					3	0	0	22.69	19.36	0.086
					3	1	0	23.21	19.88	0.097
					3	2	0	22.80	19.47	0.089
					6	0	1	21.80	18.47	0.070
				16QAM	1	0	1	21.78	18.45	0.070
					1	2	1	22.31	18.98	0.079
					1	5	1	21.91	18.58	0.072
					3	0	1	21.78	18.45	0.070
					3	1	1	22.31	18.98	0.079
					3	2	1	21.91	18.58	0.072
					6	0	2	20.85	17.52	0.056
		27033	848.3	QPSK	1	0	0	22.71	19.38	0.087
					1	2	0	22.87	19.54	0.090
					1	5	0	22.69	19.36	0.086
					3	0	0	22.71	19.38	0.087
					3	1	0	22.87	19.54	0.090
					3	2	0	22.69	19.36	0.086
					6	0	1	21.82	18.49	0.071
				16QAM	1	0	1	21.80	18.47	0.070
					1	2	1	21.97	18.64	0.073
					1	5	1	21.80	18.47	0.070
					3	0	1	21.80	18.47	0.070
					3	1	1	21.97	18.64	0.073
					3	2	1	21.80	18.47	0.070
					6	0	2	20.74	17.41	0.055

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)
26	3	26805	825.5	QPSK	1	0	0	22.95	19.62	0.092
					1	7	0	23.38	20.05	0.101
					1	14	0	23.00	19.67	0.093
					8	0	1	22.06	18.73	0.075
					8	4	1	22.54	19.21	0.083
					8	7	1	22.14	18.81	0.076
					15	0	1	22.06	18.73	0.075
				16QAM	1	0	1	22.04	18.71	0.074
					1	7	1	22.48	19.15	0.082
					1	14	1	22.11	18.78	0.076
					8	0	2	21.05	17.72	0.059
					8	4	2	21.49	18.16	0.065
					8	7	2	21.44	18.11	0.065
					15	0	2	21.41	18.08	0.064
		26915	836.5	QPSK	1	0	0	22.74	19.41	0.087
					1	7	0	23.26	19.93	0.098
					1	14	0	22.85	19.52	0.090
					8	0	1	21.85	18.52	0.071
					8	4	1	22.42	19.09	0.081
					8	7	1	21.99	18.66	0.073
					15	0	1	21.85	18.52	0.071
				16QAM	1	0	1	21.83	18.50	0.071
					1	7	1	22.36	19.03	0.080
					1	14	1	21.96	18.63	0.073
					8	0	2	20.90	17.57	0.057
					8	4	2	21.37	18.04	0.064
					8	7	2	21.32	17.99	0.063
					15	0	2	21.29	17.96	0.063
		27025	847.5	QPSK	1	0	0	22.76	19.43	0.088
					1	7	0	22.92	19.59	0.091
					1	14	0	22.74	19.41	0.087
					8	0	1	21.87	18.54	0.071
					8	4	1	22.08	18.75	0.075
					8	7	1	21.88	18.55	0.072
					15	0	1	21.87	18.54	0.071
				16QAM	1	0	1	21.85	18.52	0.071
					1	7	1	22.02	18.69	0.074
					1	14	1	21.85	18.52	0.071
					8	0	2	20.79	17.46	0.056
					8	4	2	21.03	17.70	0.059
					8	7	2	20.98	17.65	0.058
					15	0	2	20.95	17.62	0.058

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)
26	5	268154	826.5	QPSK	1	0	0	23.00	19.67	0.093
					1	12	0	23.43	20.10	0.102
					1	24	0	23.05	19.72	0.094
					12	0	1	22.11	18.78	0.076
					12	6	1	22.59	19.26	0.084
					12	11	1	22.19	18.86	0.077
					25	0	1	22.11	18.78	0.076
				16QAM	1	0	1	22.09	18.76	0.075
					1	12	1	22.53	19.20	0.083
					1	24	1	22.16	18.83	0.076
					12	0	2	21.10	17.77	0.060
					12	6	2	21.54	18.21	0.066
					12	11	2	21.49	18.16	0.065
					25	0	2	21.46	18.13	0.065
		26915	836.5	QPSK	1	0	0	22.79	19.46	0.088
					1	12	0	23.31	19.98	0.100
					1	24	0	22.90	19.57	0.091
					12	0	1	21.90	18.57	0.072
					12	6	1	22.47	19.14	0.082
					12	11	1	22.04	18.71	0.074
					25	0	1	21.90	18.57	0.072
				16QAM	1	0	1	21.88	18.55	0.072
					1	12	1	22.41	19.08	0.081
					1	24	1	22.01	18.68	0.074
					12	0	2	20.95	17.62	0.058
					12	6	2	21.42	18.09	0.064
					12	11	2	21.37	18.04	0.064
					25	0	2	21.34	18.01	0.063
		27015	846.5	QPSK	1	0	0	22.81	19.48	0.089
					1	12	0	22.97	19.64	0.092
					1	24	0	22.79	19.46	0.088
					12	0	1	21.92	18.59	0.072
					12	6	1	22.13	18.80	0.076
					12	11	1	21.93	18.60	0.072
					25	0	1	21.92	18.59	0.072
				16QAM	1	0	1	21.90	18.57	0.072
					1	12	1	22.07	18.74	0.075
					1	24	1	21.90	18.57	0.072
					12	0	2	20.84	17.51	0.056
					12	6	2	21.08	17.75	0.060
					12	11	2	21.03	17.70	0.059
					25	0	2	21.00	17.67	0.058

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)
26	10	26840	829.0	QPSK	1	0	0	23.05	19.72	0.094
					1	24	0	23.48	20.15	0.104
					1	49	0	23.10	19.77	0.095
					25	0	1	22.16	18.83	0.076
					25	12	1	22.64	19.31	0.085
					25	24	1	22.24	18.91	0.078
					50	0	1	22.16	18.83	0.076
				16QAM	1	0	1	22.14	18.81	0.076
					1	24	1	22.58	19.25	0.084
					1	49	1	22.21	18.88	0.077
					25	0	2	21.15	17.82	0.061
					25	12	2	21.59	18.26	0.067
					25	24	2	21.54	18.21	0.066
					50	0	2	21.51	18.18	0.066
		26915	836.5	QPSK	1	0	0	22.84	19.51	0.089
					1	24	0	23.36	20.03	0.101
					1	49	0	22.95	19.62	0.092
					25	0	1	21.95	18.62	0.073
					25	12	1	22.52	19.19	0.083
					25	24	1	22.09	18.76	0.075
					50	0	1	21.95	18.62	0.073
				16QAM	1	0	1	21.93	18.60	0.072
					1	24	1	22.46	19.13	0.082
					1	49	1	22.06	18.73	0.075
					25	0	2	21.00	17.67	0.058
					25	12	2	21.47	18.14	0.065
					25	24	2	21.42	18.09	0.064
					50	0	2	21.39	18.06	0.064
		26990	844.0	QPSK	1	0	0	22.86	19.53	0.090
					1	24	0	23.02	19.69	0.093
					1	49	0	22.84	19.51	0.089
					25	0	1	21.97	18.64	0.073
					25	12	1	22.18	18.85	0.077
					25	24	1	21.98	18.65	0.073
					50	0	1	21.97	18.64	0.073
				16QAM	1	0	1	21.95	18.62	0.073
					1	24	1	22.12	18.79	0.076
					1	49	1	21.95	18.62	0.073
					25	0	2	20.89	17.56	0.057
					25	12	2	21.13	17.80	0.060
					25	24	2	21.08	17.75	0.060
					50	0	2	21.05	17.72	0.059

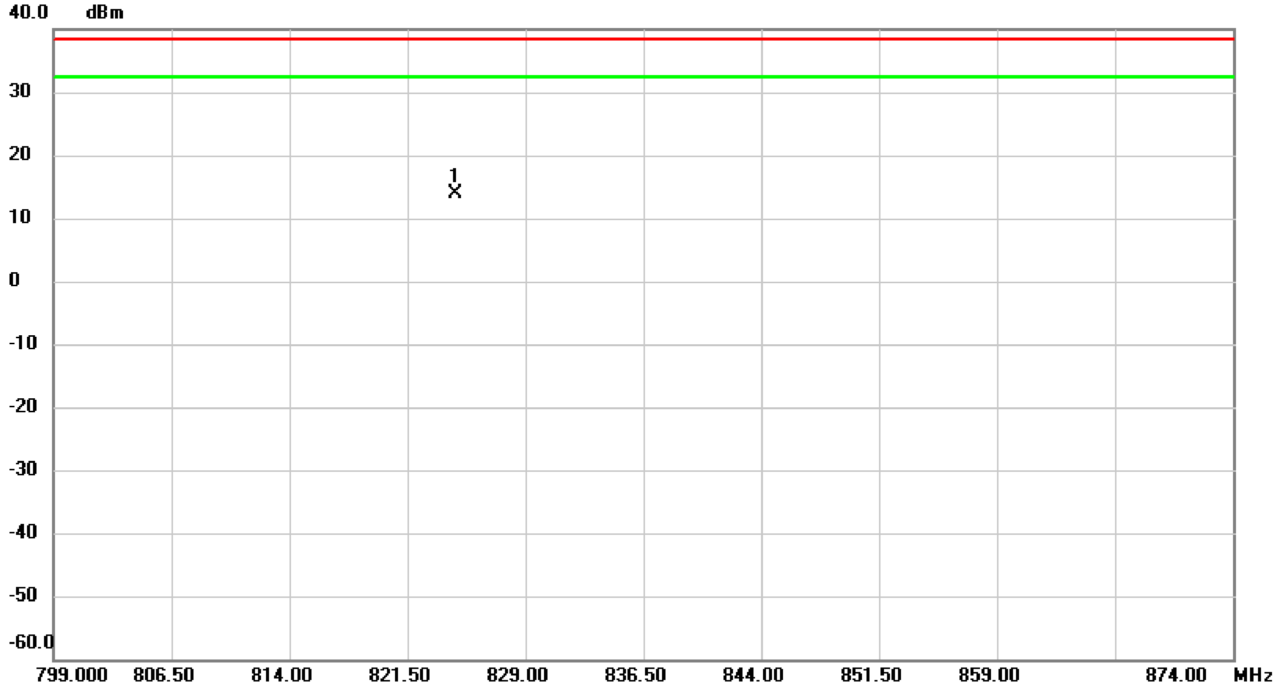
NOTE:
(1) EIRP = Average power + Antenna gain.
(2) ERP = EIRP - 2.15.
(3) $P(W) = 1\ W \cdot 10^{(P(dBm)\ /\ 10)}\ /\ 1000$

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Start	MPR	Average power (dBm)	ERP power (dBm)	ERP power (W)
26	15	26865	831.5	QPSK	1	0	0	**23.10**	19.77	0.095
					1	37	0	**23.53**	20.20	0.105
					1	74	0	**23.15**	19.82	0.096
					36	0	1	22.21	18.88	0.077
					36	18	1	22.69	19.36	0.086
					36	35	1	22.29	18.96	0.079
					75	0	1	22.21	18.88	0.077
				16QAM	1	0	1	22.19	18.86	0.077
					1	37	1	22.63	19.30	0.085
					1	74	1	22.26	18.93	0.078
					36	0	2	21.20	17.87	0.061
					36	18	2	21.64	18.31	0.068
					36	35	2	21.59	18.26	0.067
					75	0	2	21.56	18.23	0.067
		26915	836.5	QPSK	1	0	0	**22.89**	19.56	0.090
					1	37	0	**23.41**	20.08	0.102
					1	74	0	**23.00**	19.67	0.093
					36	0	1	22.00	18.67	0.074
					36	18	1	22.57	19.24	0.084
					36	35	1	22.14	18.81	0.076
					75	0	1	22.00	18.67	0.074
				16QAM	1	0	1	21.98	18.65	0.073
					1	37	1	22.51	19.18	0.083
					1	74	1	22.11	18.78	0.076
					36	0	2	21.05	17.72	0.059
					36	18	2	21.52	18.19	0.066
					36	35	2	21.47	18.14	0.065
					75	0	2	21.44	18.11	0.065
		26965	841.5	QPSK	1	0	0	**22.91**	19.58	0.091
					1	37	0	**23.07**	19.74	0.094
					1	74	0	**22.89**	19.56	0.090
					36	0	1	22.02	18.69	0.074
					36	18	1	22.23	18.90	0.078
					36	35	1	22.03	18.70	0.074
					75	0	1	22.02	18.69	0.074
				16QAM	1	0	1	22.00	18.67	0.074
					1	37	1	22.17	18.84	0.077
					1	74	1	22.00	18.67	0.074
					36	0	2	20.94	17.61	0.058
					36	18	2	21.18	17.85	0.061
					36	35	2	21.13	17.80	0.060
					75	0	2	21.10	17.77	0.060

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:

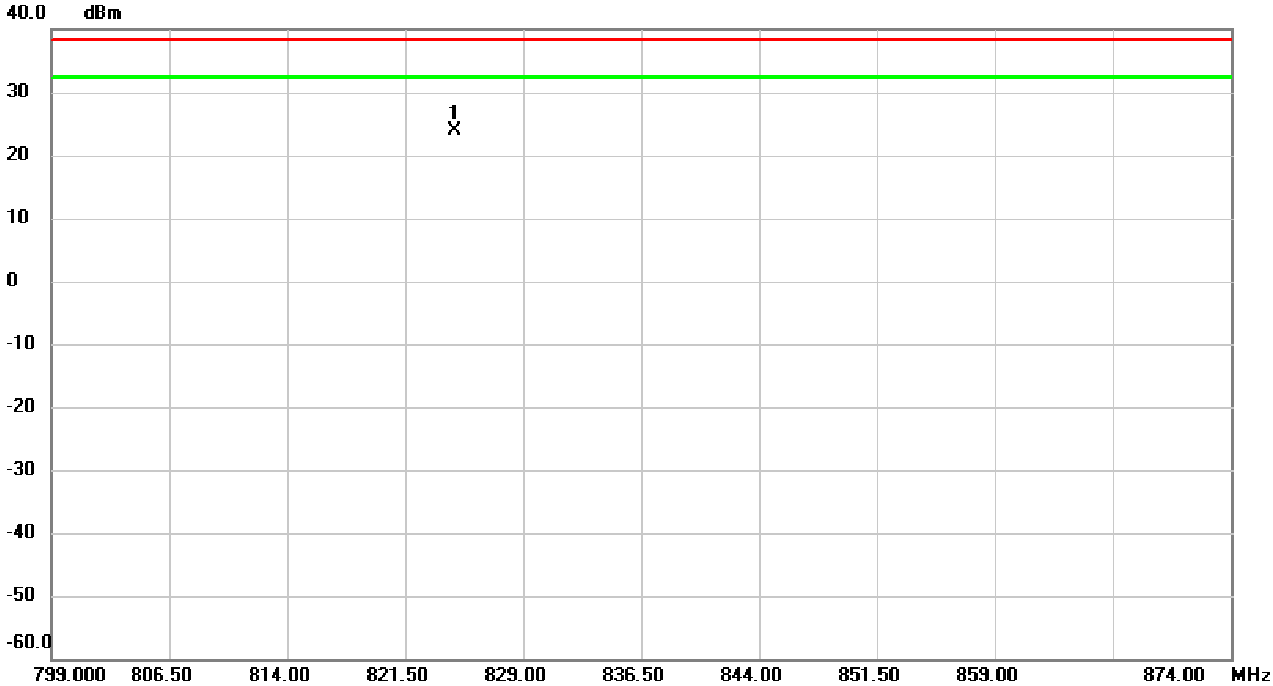
Test Mode	LTE Band 5	Test Date	2022/8/30
Test Channel	CH20450	Polarization	Vertical
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	824.5875	4.13	9.80	13.93	38.45	-24.52	peak	

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

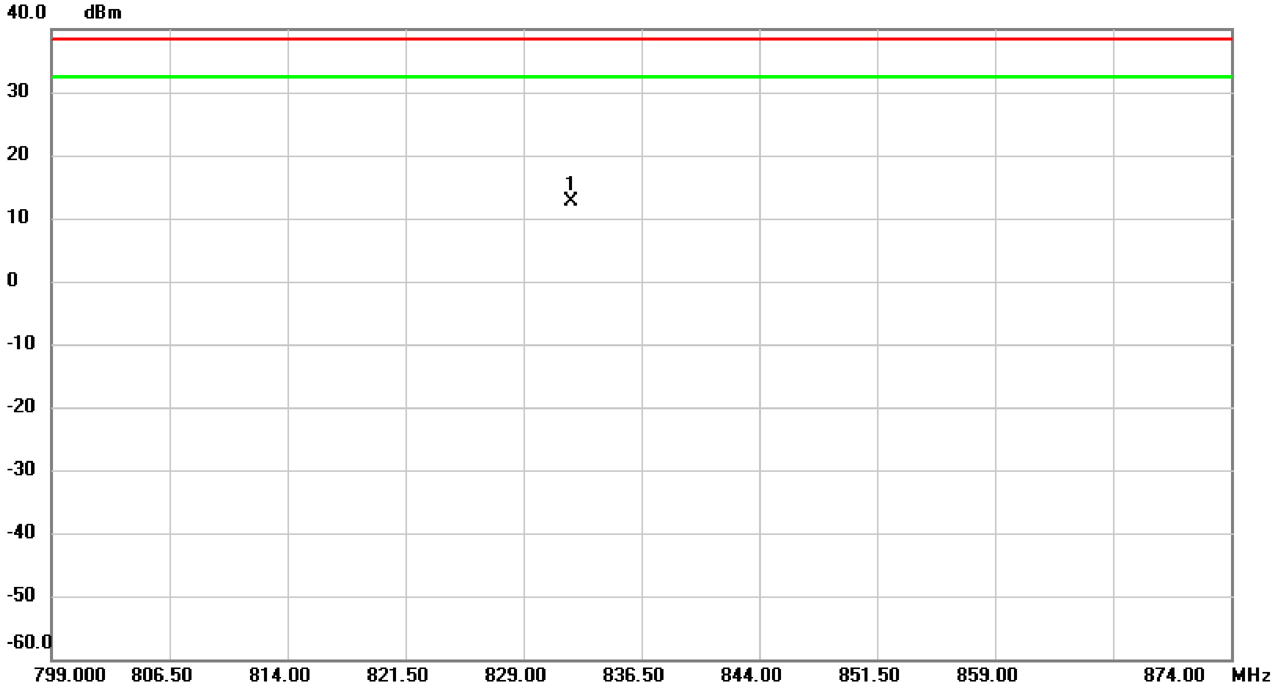
Test Mode	LTE Band 5	Test Date	2022/8/30
Test Channel	CH20450	Polarization	Horizontal
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	824.6550	13.86	9.96	23.82	38.45	-14.63	peak	

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

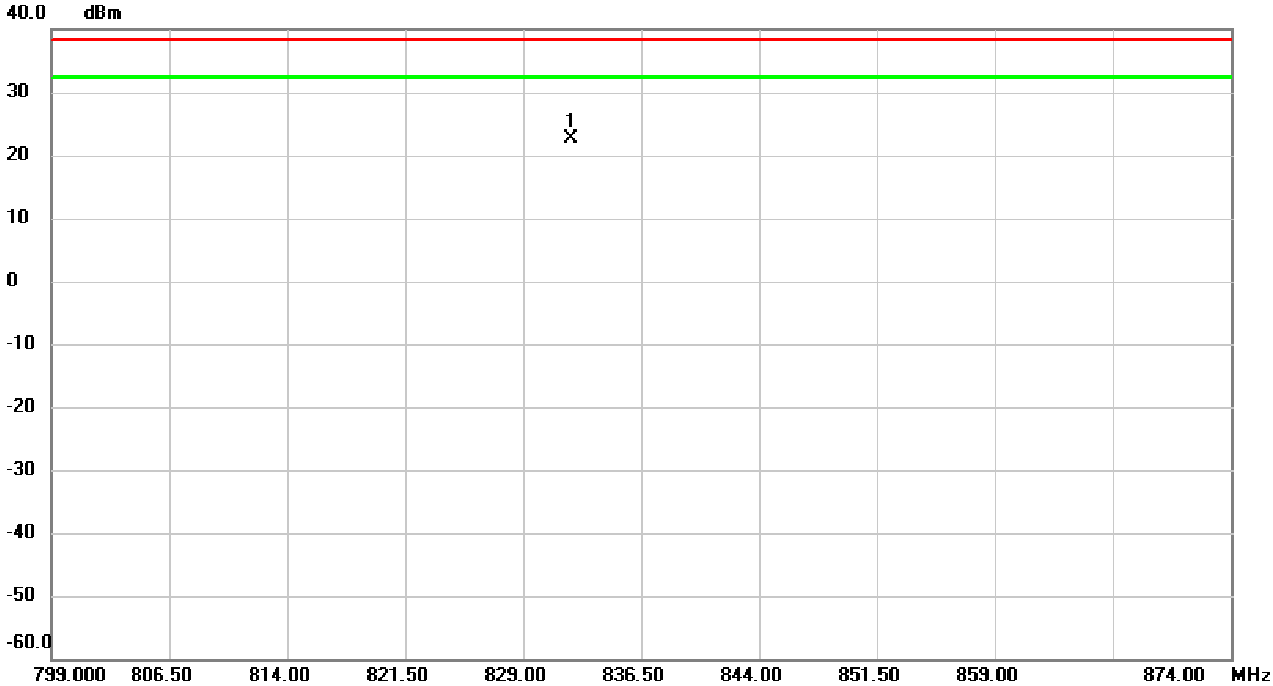
Test Mode	LTE Band 5	Test Date	2022/8/30
Test Channel	CH20525	Polarization	Vertical
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	832.0675	2.71	9.85	12.56	38.45	-25.89	peak	

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

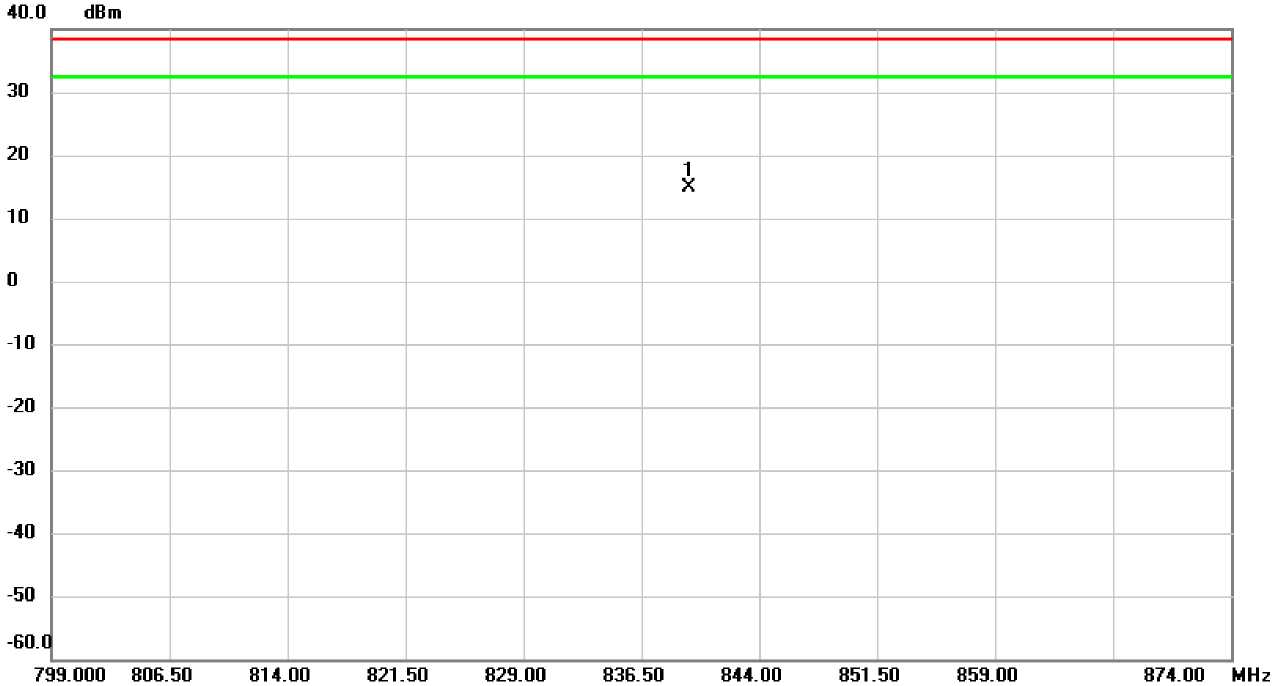
Test Mode	LTE Band 5	Test Date	2022/8/30
Test Channel	CH20525	Polarization	Horizontal
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	832.0275	12.97	9.78	22.75	38.45	-15.70	peak	

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

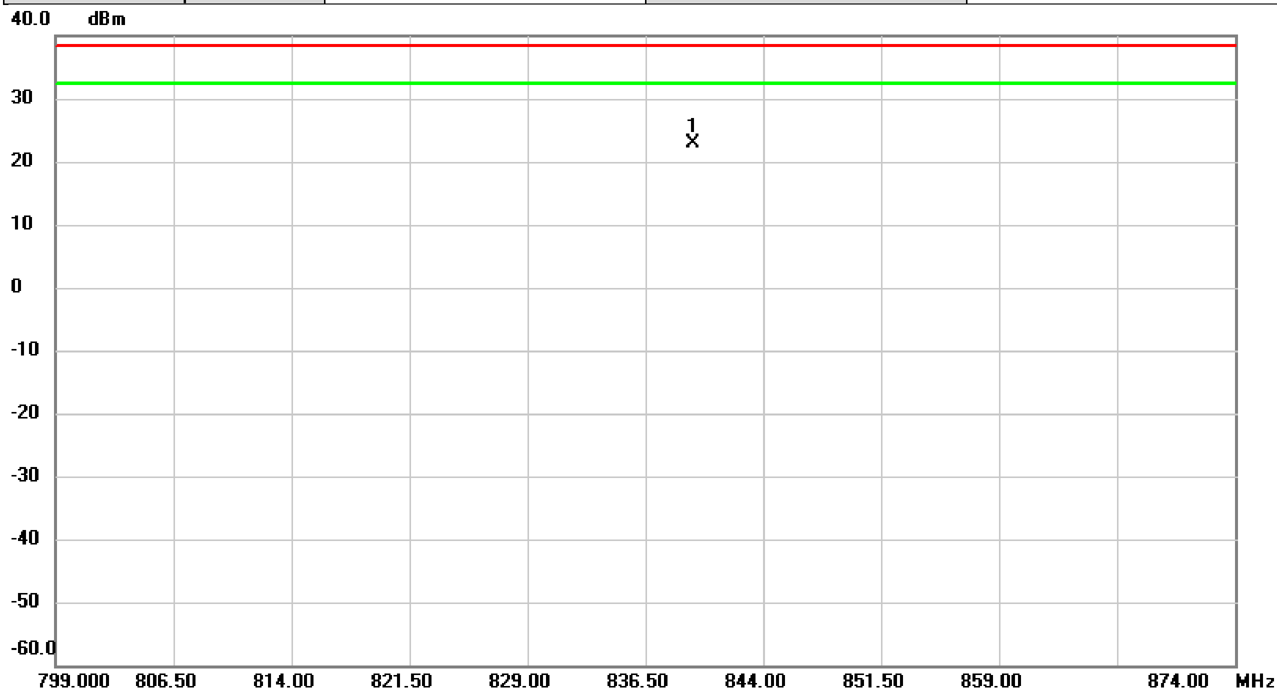
Test Mode	LTE Band 5	Test Date	2022/8/30
Test Channel	CH20600	Polarization	Vertical
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	839.5550	4.92	9.90	14.82	38.45	-23.63	peak	

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

Test Mode	LTE Band 5	Test Date	2022/8/30
Test Channel	CH20600	Polarization	Horizontal
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	839.5425	13.35	9.60	22.95	38.45	-15.50	peak	

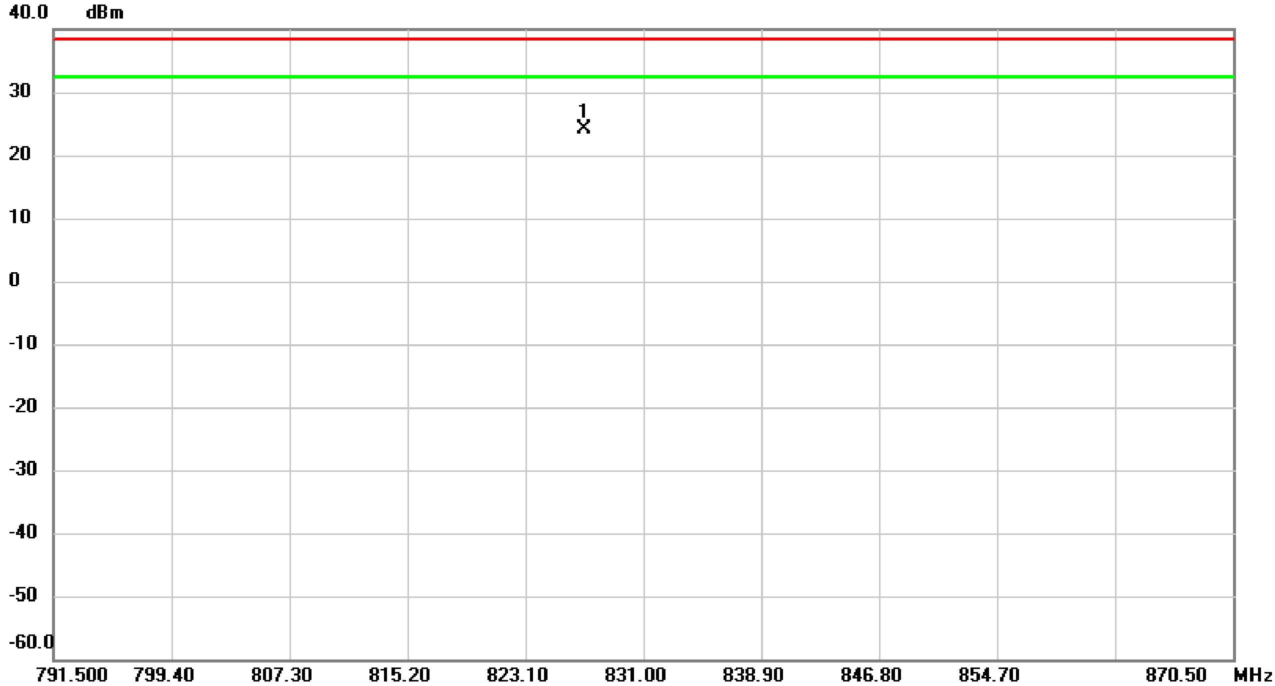
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	LTE Band 26	Test Date	2022/8/30
Test Channel	CH26865	Polarization	Vertical
Temp	25°C	Hum.	60%

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	827.0842	1.29	9.82	11.11	38.45	-27.34	peak	

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

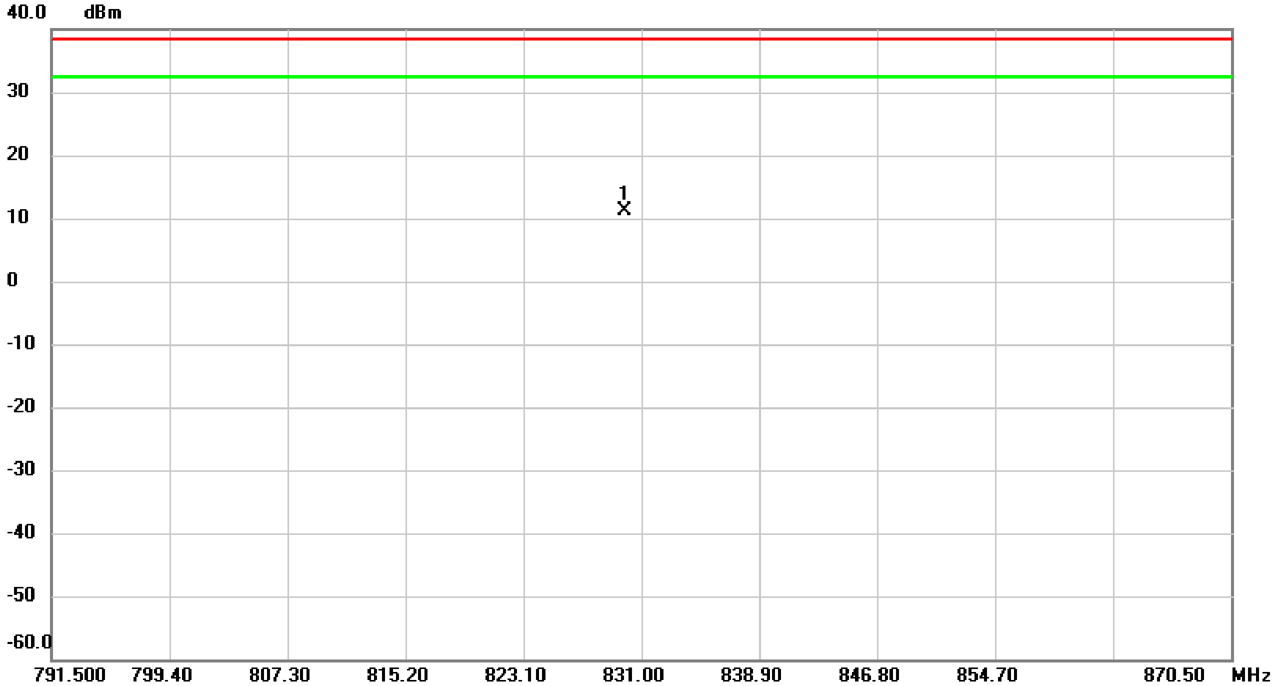
Test Mode	LTE Band 26	Test Date	2022/8/30
Test Channel	CH26865	Polarization	Horizontal
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	827.0395	14.29	9.90	24.19	38.45	-14.26	peak	

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

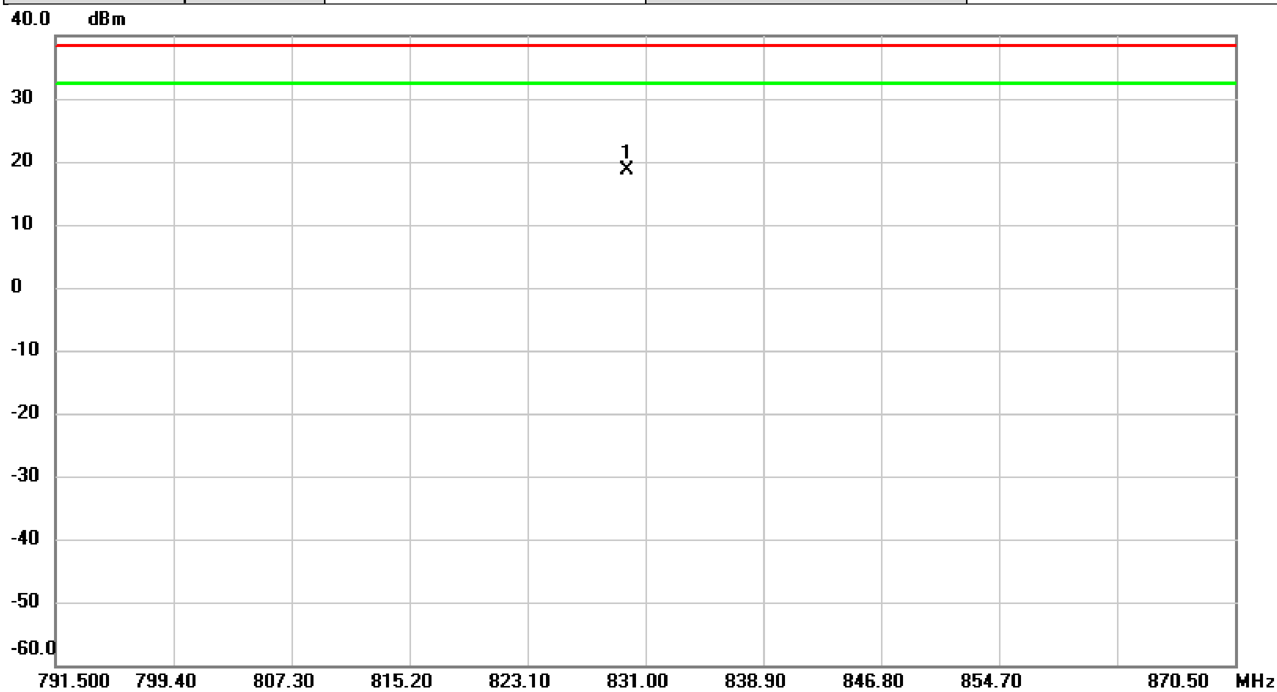
Test Mode	LTE Band 26	Test Date	2022/9/5
Test Channel	CH26915	Polarization	Vertical
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	829.8782	-22.90	33.96	11.06	38.45	-27.39	peak	

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

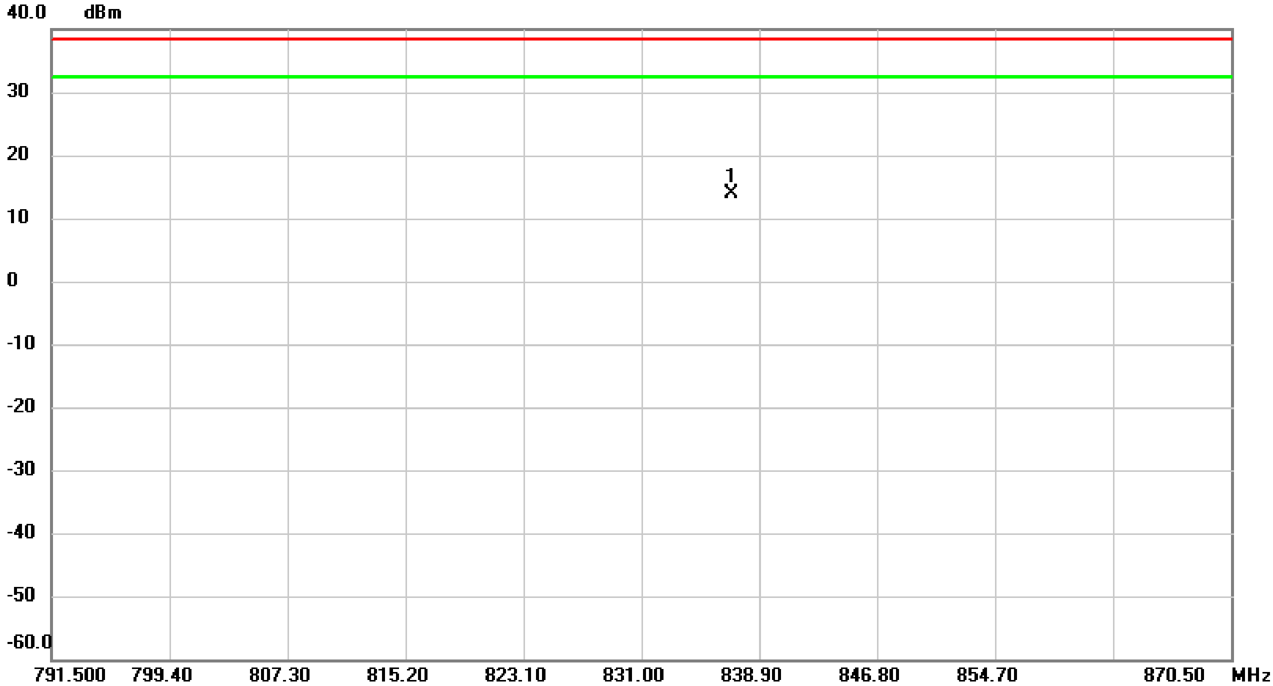
Test Mode	LTE Band 26	Test Date	2022/9/5
Test Channel	CH26915	Polarization	Horizontal
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	829.7755	-14.84	33.42	18.58	38.45	-19.87	peak	

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

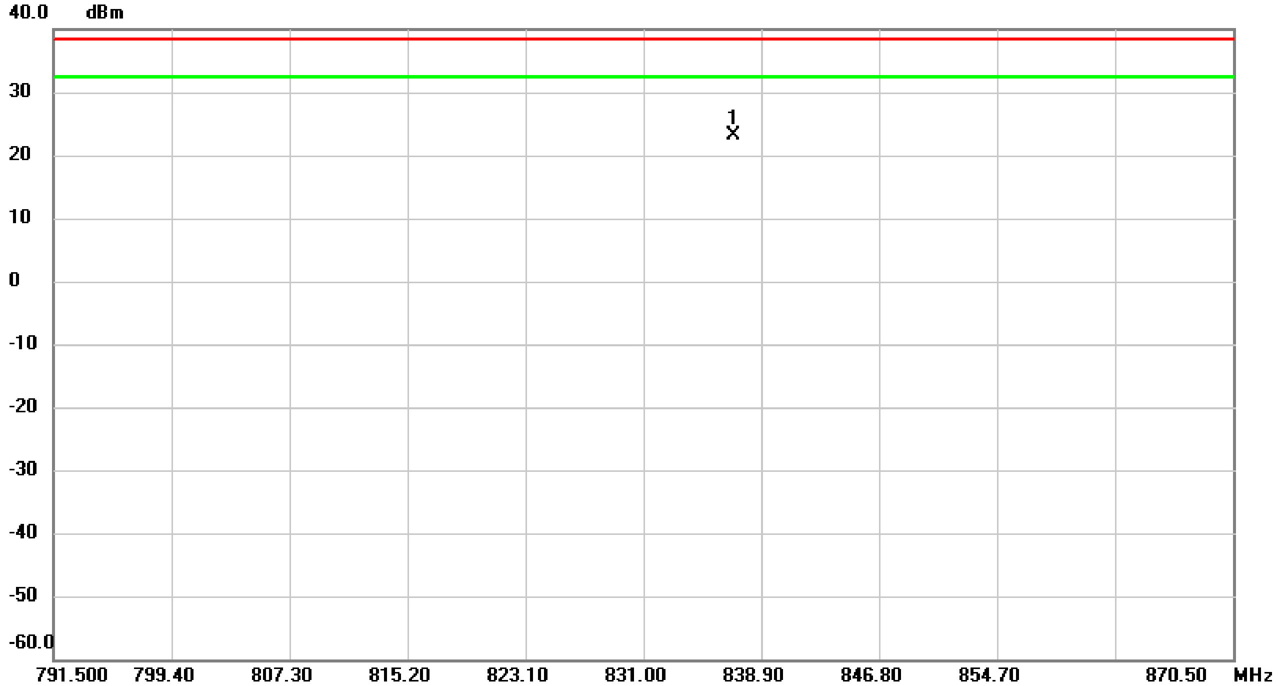
Test Mode	LTE Band 26	Test Date	2022/8/30
Test Channel	CH26965	Polarization	Vertical
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	837.0488	3.90	9.88	13.78	38.45	-24.67	peak	

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

Test Mode	LTE Band 26	Test Date	2022/8/30
Test Channel	CH26965	Polarization	Horizontal
Temp	25°C	Hum.	60%

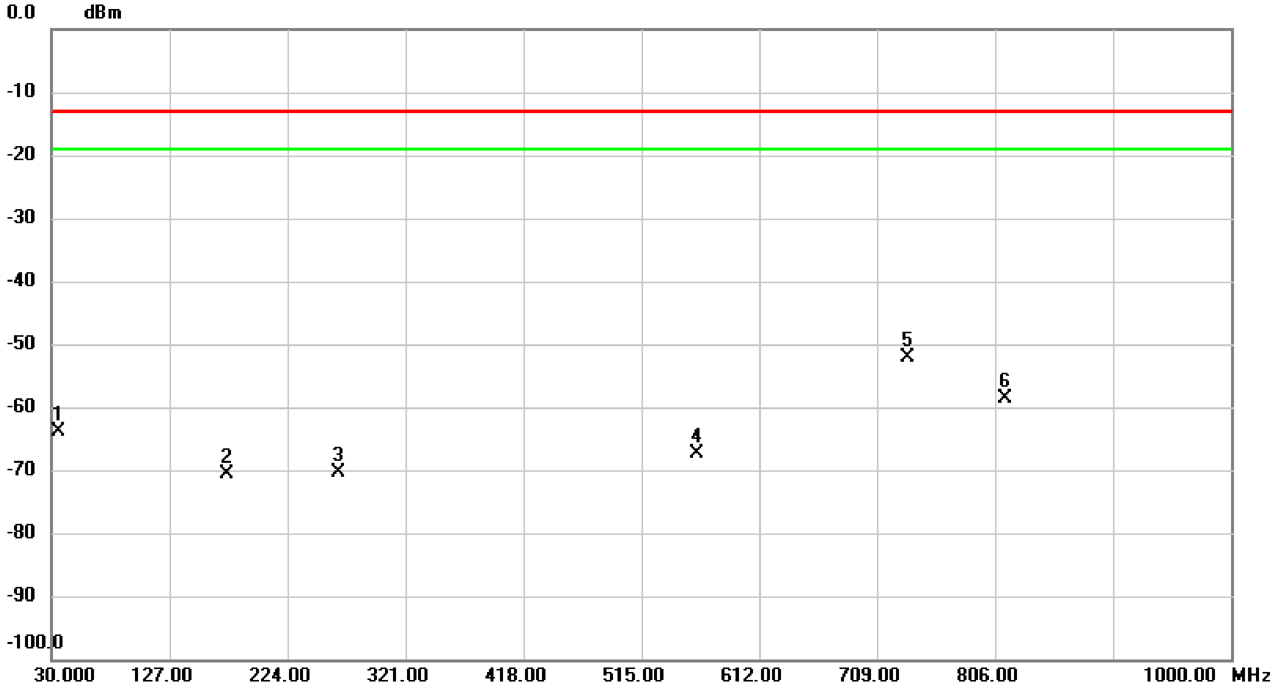


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	837.0382	13.37	9.66	23.03	38.45	-15.42	peak	

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

APPENDIX C RADIATED SPURIOUS EMISSIONS

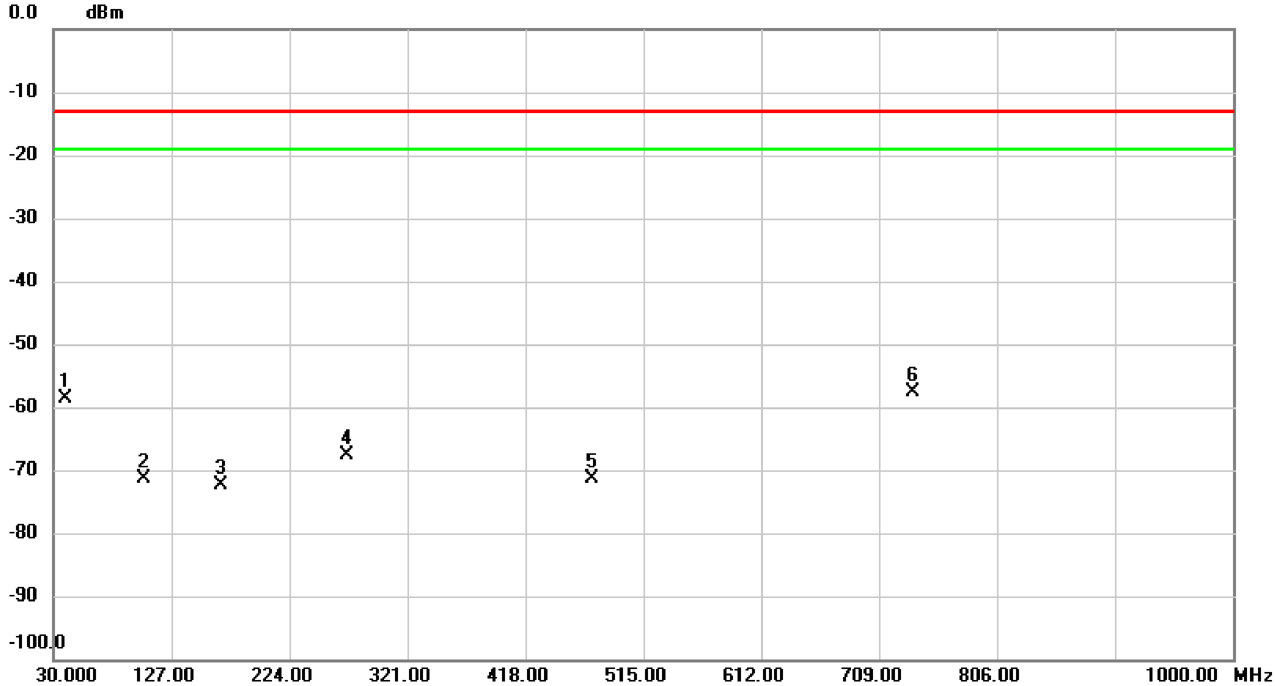
Test Mode	LTE Band 5	Test Date	2022/9/1
Test Channel	CH20525	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		35.8522	-88.50	24.59	-63.91	-13.00	-50.91	peak	
2		174.4977	-88.41	17.88	-70.53	-13.00	-57.53	peak	
3		265.8393	-83.81	13.39	-70.42	-13.00	-57.42	peak	
4		560.7193	-80.00	12.68	-67.32	-13.00	-54.32	peak	
5	*	733.7027	-64.46	12.22	-52.24	-13.00	-39.24	peak	
6		813.7600	-70.50	11.88	-58.62	-13.00	-45.62	peak	

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

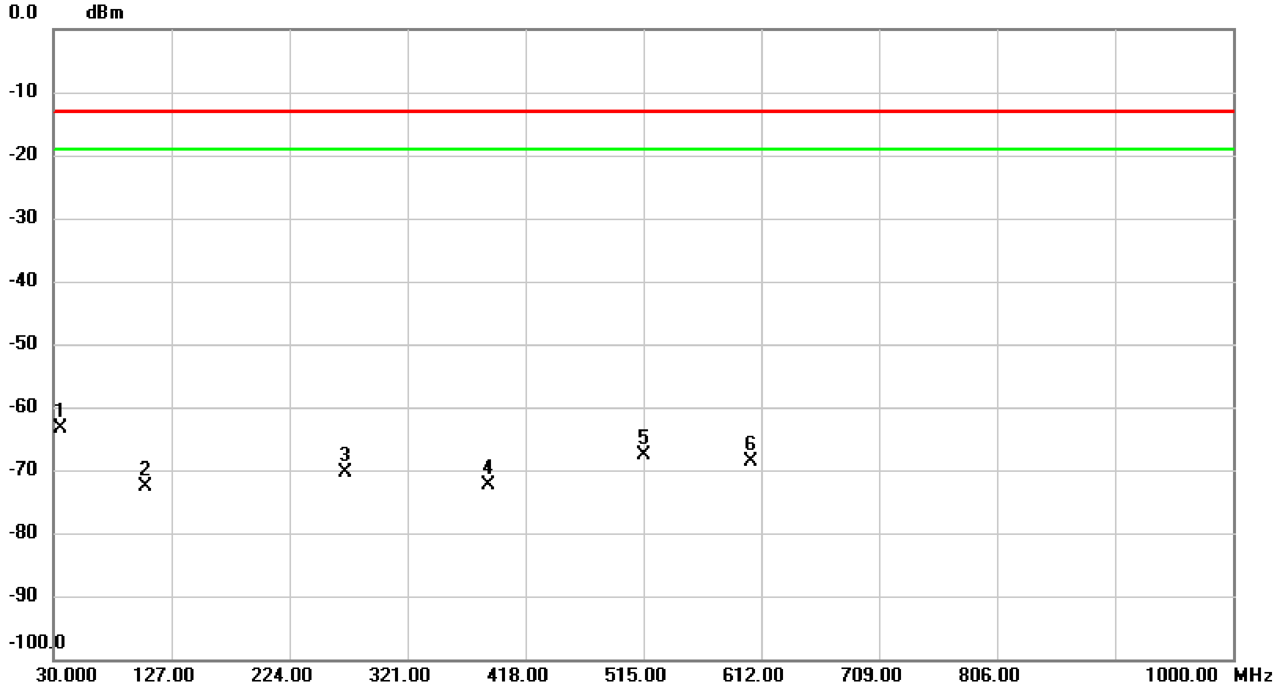
Test Mode	LTE Band 5	Test Date	2022/9/1
Test Channel	CH20525	Polarization	Horizontal
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		40.1203	-94.33	35.80	-58.53	-13.00	-45.53	peak	
2		104.6577	-87.13	15.74	-71.39	-13.00	-58.39	peak	
3		168.1603	-87.57	15.16	-72.41	-13.00	-59.41	peak	
4		270.6247	-76.63	8.96	-67.67	-13.00	-54.67	peak	
5		472.6433	-80.93	9.67	-71.26	-13.00	-58.26	peak	
6	*	736.5803	-68.99	11.28	-57.71	-13.00	-44.71	peak	

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

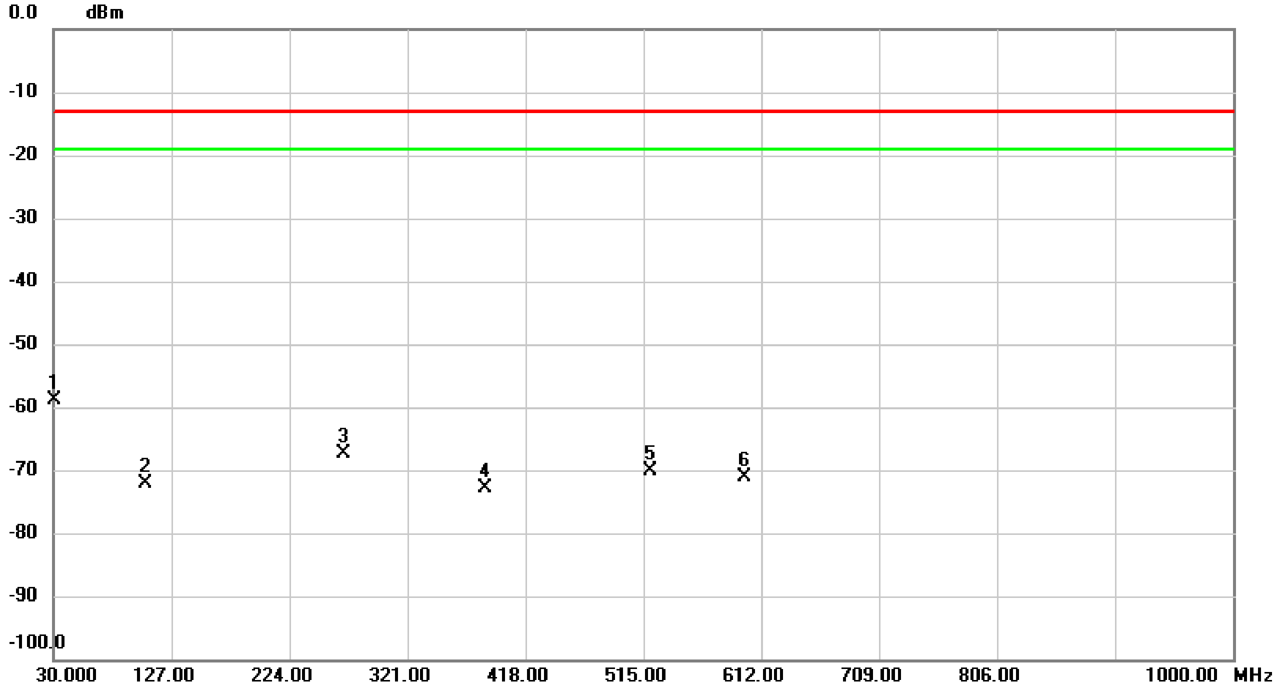
Test Mode	LTE Band 26	Test Date	2022/9/1
Test Channel	CH26865	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	35.9493	-88.08	24.61	-63.47	-13.00	-50.47	peak	
2		105.1103	-90.62	17.91	-72.71	-13.00	-59.71	peak	
3		269.4282	-83.48	13.19	-70.29	-13.00	-57.29	peak	
4		387.4773	-83.18	10.80	-72.38	-13.00	-59.38	peak	
5		515.3880	-78.97	11.28	-67.69	-13.00	-54.69	peak	
6		603.7227	-81.46	12.77	-68.69	-13.00	-55.69	peak	

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

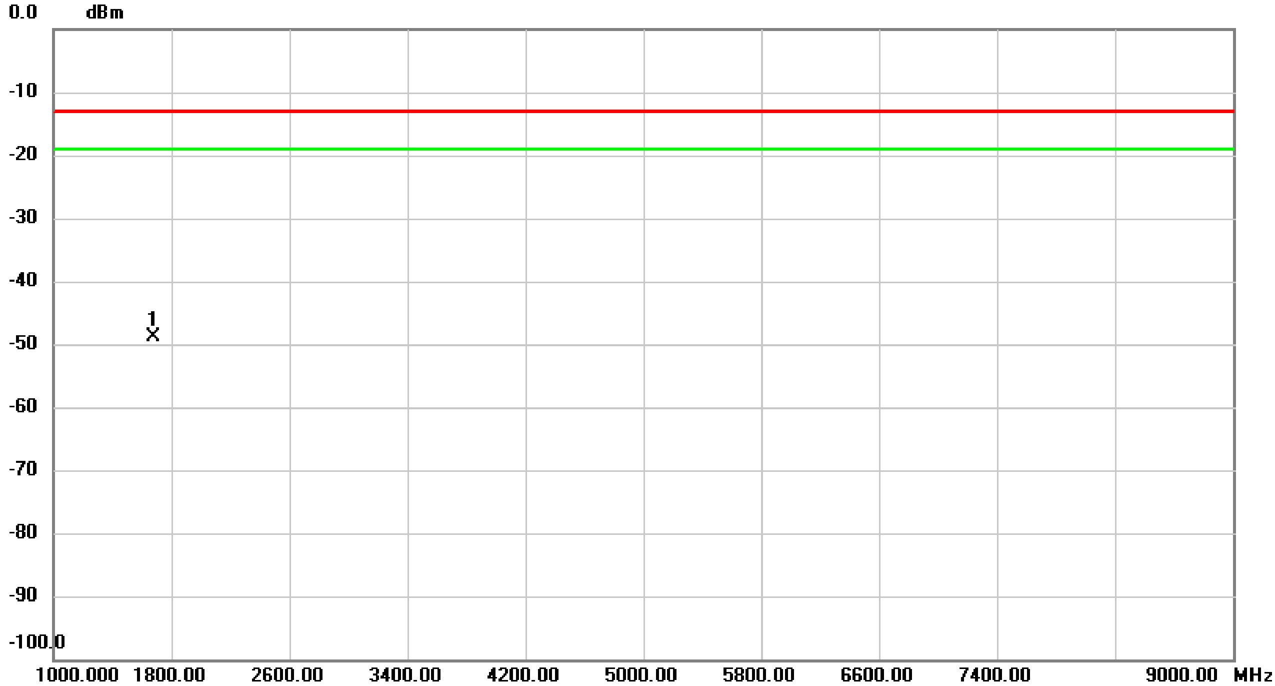
Test Mode	LTE Band 26	Test Date	2022/9/1
Test Channel	CH26865	Polarization	Horizontal
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	30.0000	-93.34	34.38	-58.96	-13.00	-45.96	peak	
2		105.5307	-87.70	15.55	-72.15	-13.00	-59.15	peak	
3		268.8463	-76.29	8.98	-67.31	-13.00	-54.31	peak	
4		385.2787	-83.57	10.68	-72.89	-13.00	-59.89	peak	
5		520.3673	-79.62	9.50	-70.12	-13.00	-57.12	peak	
6		598.7757	-80.68	9.66	-71.02	-13.00	-58.02	peak	

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

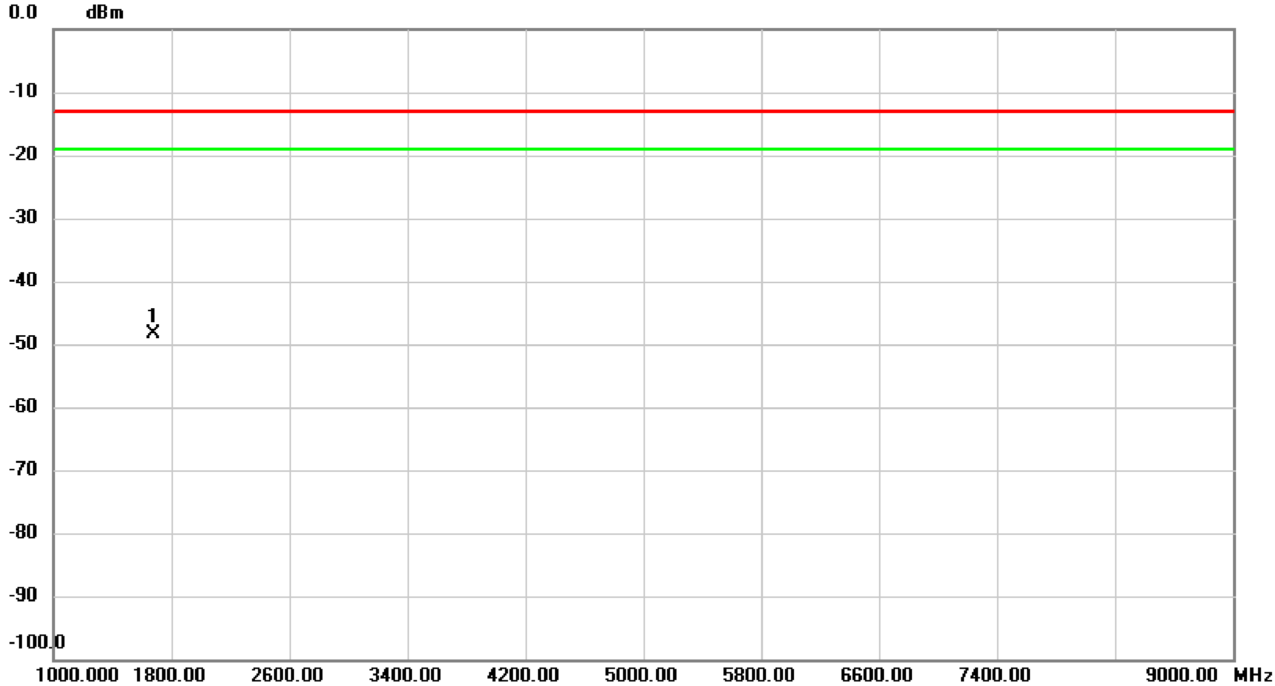
Test Mode	LTE Band 5	Test Date	2022/8/31
Test Channel	CH20525	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1673.867	-53.49	4.53	-48.96	-13.00	-35.96	peak	

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

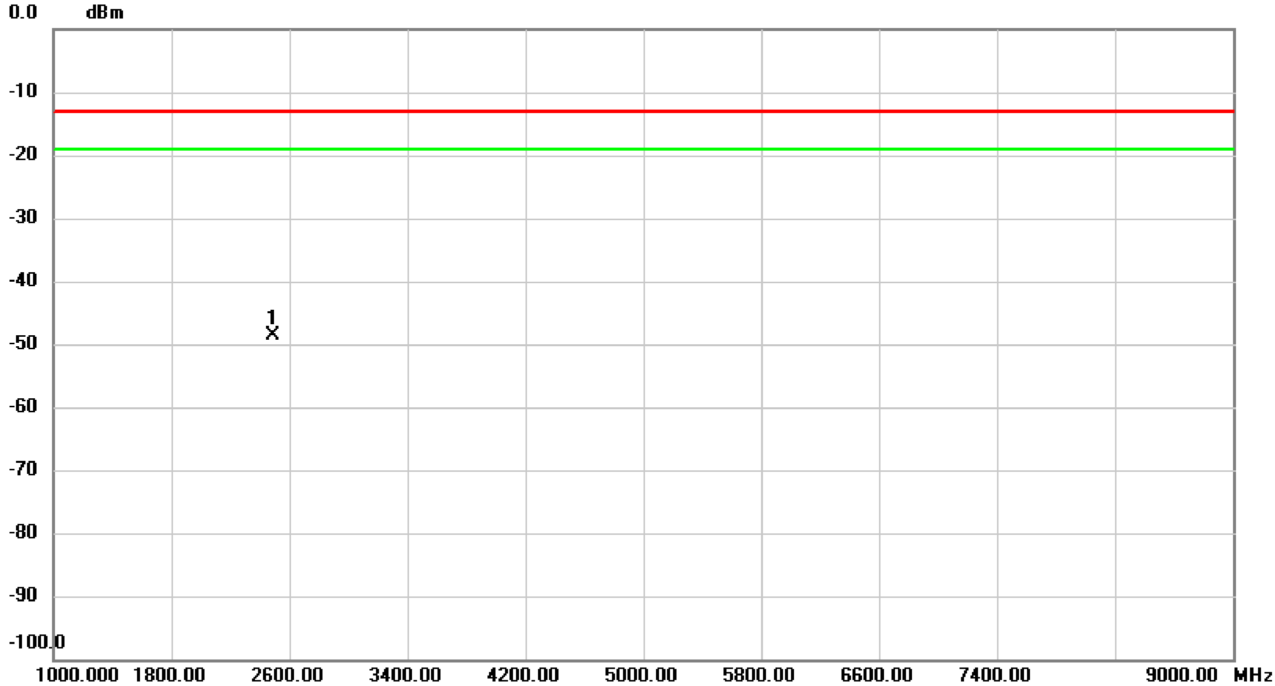
Test Mode	LTE Band 5	Test Date	2022/8/31
Test Channel	CH20525	Polarization	Horizontal
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1672.800	-52.87	4.52	-48.35	-13.00	-35.35	peak	

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

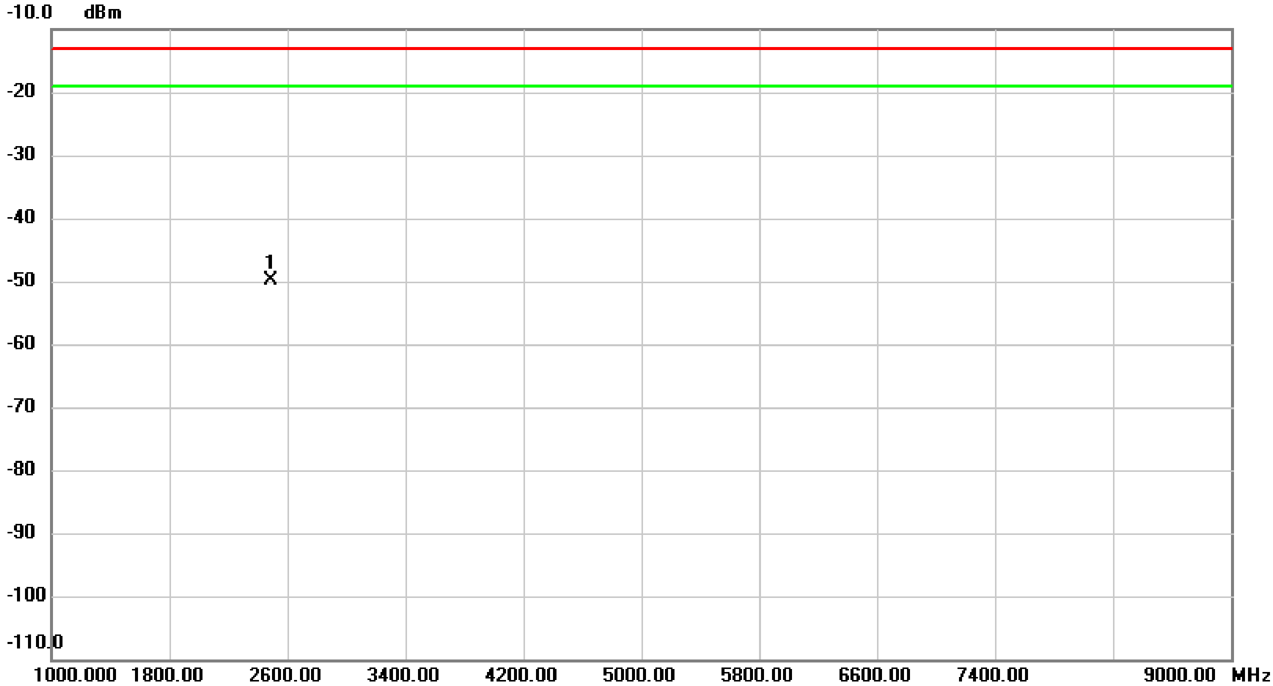
Test Mode	LTE Band 26	Test Date	2022/8/31
Test Channel	CH26865	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2493.000	-54.92	6.31	-48.61	-13.00	-35.61	peak	

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

Test Mode	LTE Band 26	Test Date	2022/8/31
Test Channel	CH26865	Polarization	Horizontal
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2493.000	-56.16	6.23	-49.93	-13.00	-36.93	peak	

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

End of Test Report