FCC Radio Test Report

FCC ID: QYLRC7611B41

Report No.	:	BTL-FCCP-2-2202T096
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 2, 25
FCC Rule Part(s)	:	FCC CFR Title 47, Part 24, Subpart E 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, Engineer

Approved by : Jerry Chuang, Supervisor

Testing Laboratory 0659

BTL Inc.
No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan
Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: www.newbtl.com

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-2-2202T096	R00	Original Report.	2022/10/3	Invalid
BTL-FCCP-2-2202T096	R01	Revised report to address TCB's comments.	2022/10/20	Invalid
BTL-FCCP-2-2202T096	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 24.232(c)	Conducted Output Power Effective Isotropic Radiated Power	APPENDIX B	Pass	NOTE (5)
24.232(d)	Peak To Average Ratio	NOTE (3)	Pass	------
2.1049	Occupied Bandwidth	NOTE (3)	Pass	------
24.238(a)	Band Edge Measurements	NOTE (3)	Pass	------
2.1051 24.238(a)	Conducted Spurious Emissions	NOTE (3)	Pass	------
2.1055 24.235	Frequency Stability Temperature & Voltage	NOTE (3)	Pass	------
2.1053 24.238(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 Isotropic 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 Isotropic 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><th>BC-4K</th><th>Cable type</th><th>Input Voltage</th></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 colspan="2">UL Frequency (MHz)</td><td>DL Frequency (MHz)</td></tr>
<tr><td>LTE 2</td><td colspan="2">1850 ~ 1910</td><td>1930 ~ 1990</td></tr>
<tr><td>LTE 25</td><td colspan="2">1850 ~ 1915</td><td>1930 ~ 1995</td></tr>
<tr><td rowspan="21">Maximum EIRP</td><td>Band</td><td>BW (MHz)</td><td>Mode</td><td>Power (W)</td></tr>
<tr><td rowspan="10">LTE 2</td><td rowspan="2">1.4</td><td>QPSK</td><td>0.384</td></tr>
<tr><td>16QAM</td><td>0.308</td></tr>
<tr><td rowspan="2">3</td><td>QPSK</td><td>0.383</td></tr>
<tr><td>16QAM</td><td>0.311</td></tr>
<tr><td rowspan="2">5</td><td>QPSK</td><td>0.387</td></tr>
<tr><td>16QAM</td><td>0.315</td></tr>
<tr><td rowspan="2">10</td><td>QPSK</td><td>0.392</td></tr>
<tr><td>16QAM</td><td>0.318</td></tr>
<tr><td rowspan="2">15</td><td>QPSK</td><td>0.396</td></tr>
<tr><td>16QAM</td><td>0.322</td></tr>
<tr><td rowspan="2">20</td><td>QPSK</td><td>0.401</td></tr>
<tr><td>16QAM</td><td>0.326</td></tr>
<tr><td rowspan="10">LTE 25</td><td rowspan="2">1.4</td><td>QPSK</td><td>0.388</td></tr>
<tr><td>16QAM</td><td>0.316</td></tr>
<tr><td rowspan="2">3</td><td>QPSK</td><td>0.393</td></tr>
<tr><td>16QAM</td><td>0.319</td></tr>
<tr><td rowspan="2">5</td><td>QPSK</td><td>0.397</td></tr>
<tr><td>16QAM</td><td>0.323</td></tr>
<tr><td rowspan="2">10</td><td>QPSK</td><td>0.402</td></tr>
<tr><td>16QAM</td><td>0.327</td></tr>
<tr><td rowspan="2">15</td><td>QPSK</td><td>0.406</td></tr>
<tr><td>16QAM</td><td>0.330</td></tr>
<tr><td rowspan="2">20</td><td>QPSK</td><td>0.411</td></tr>
<tr><td>16QAM</td><td>0.334</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	2.63	LTE Band 2
					2.63	LTE Band 25
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

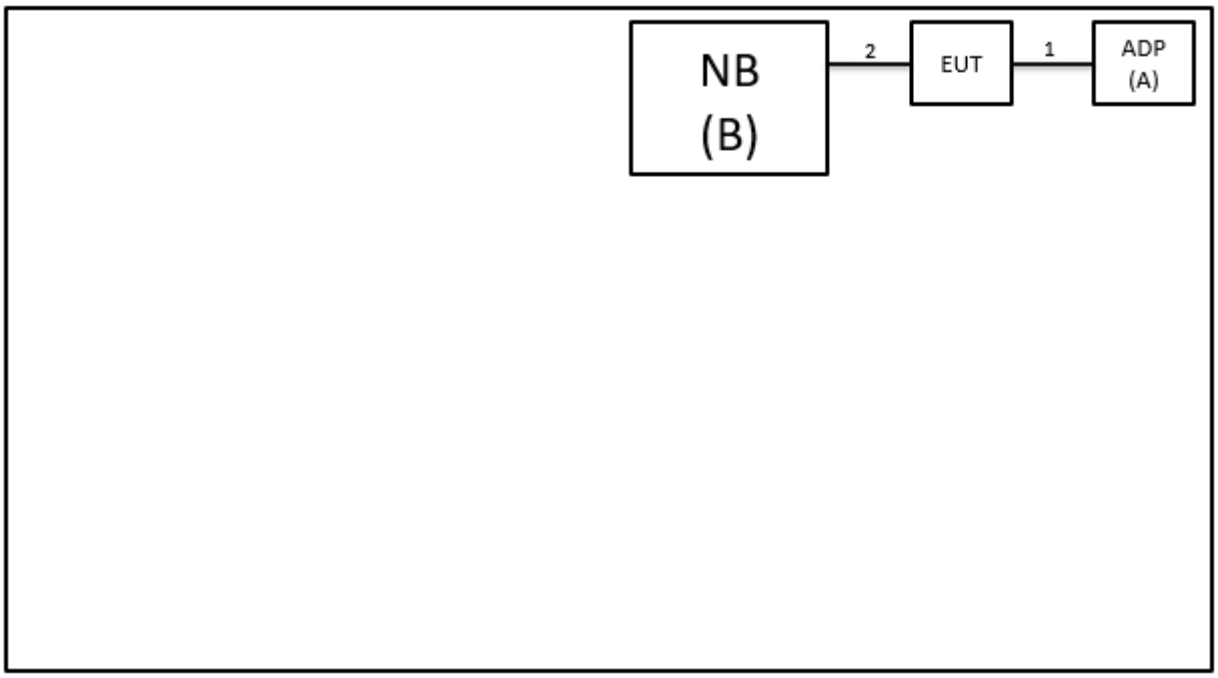
Test Items	Band	Test Mode	Note
AC Power Line Conducted Emissions	-	Normal/Idle	-
Conducted Output Power	LTE Band 2	Refer to APPENDIX B	-
	LTE Band 25		
Effective Isotropic Radiated Power	LTE Band 2	TX Mode (CH 18700/18900/19100)	-
	LTE Band 25	TX Mode (CH 26140/26365/26590)	-
Radiated Spurious Emissions	LTE Band 2	TX Mode (CH 18900)	-
	LTE Band 25	TX Mode (CH 26365)	-

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.

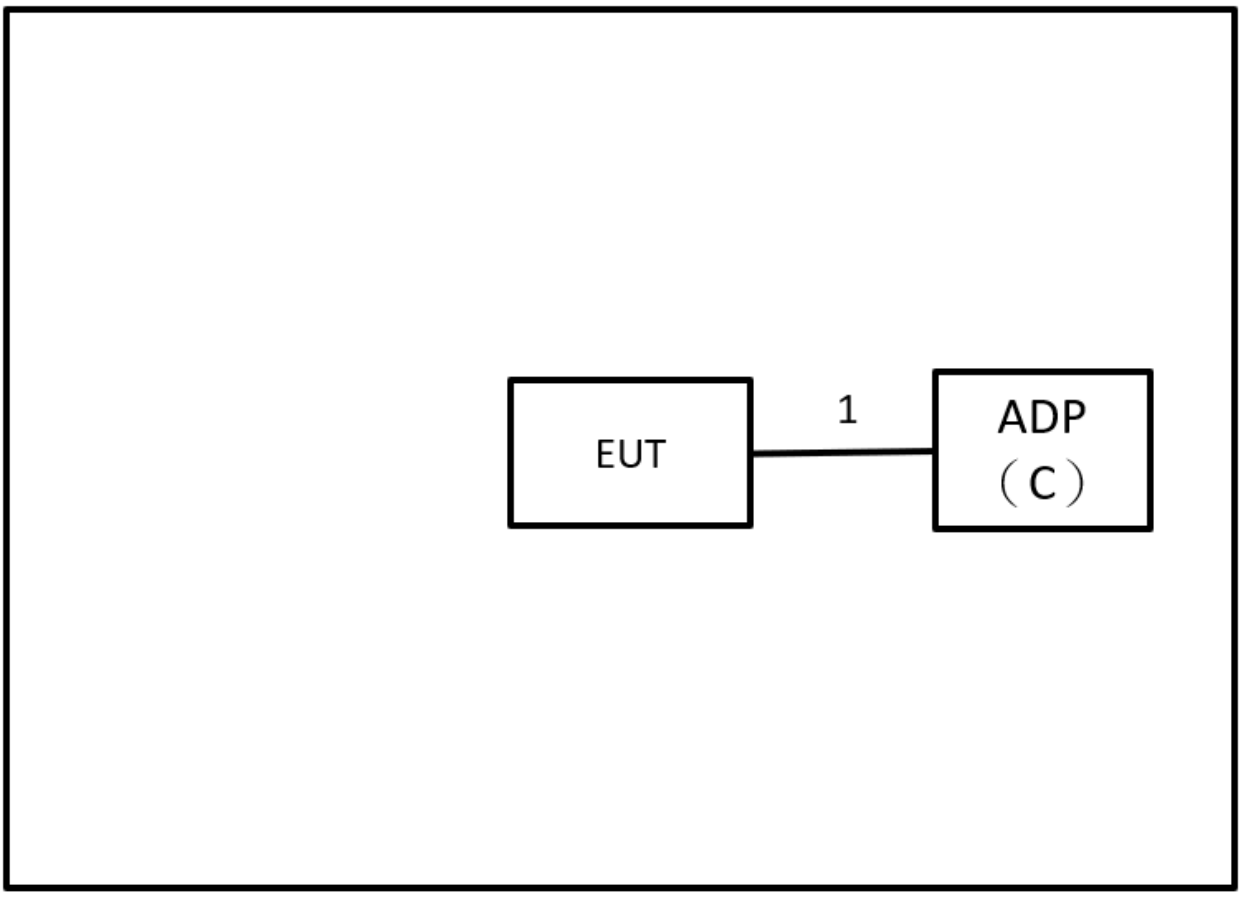
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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-0021B4210U	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

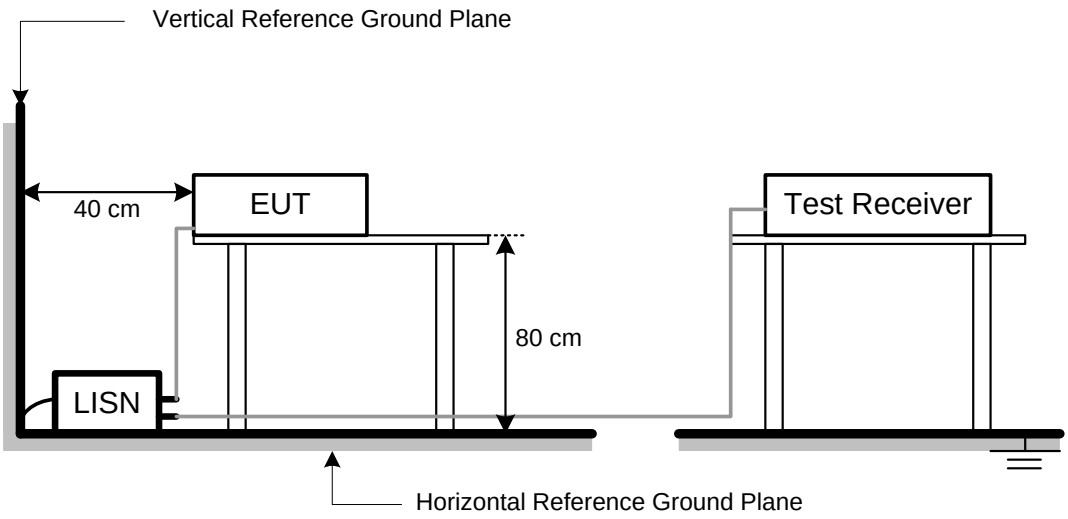
a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
All other support equipment were powered from an additional LISN(s).
The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.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

4.1 LIMIT

Mobile / Portable station are limited to 2 watts e.i.r.p.

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

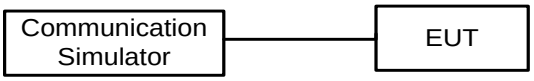
The testing follows FCC KDB 971168 v03r01 Section 5.8.
a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical 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

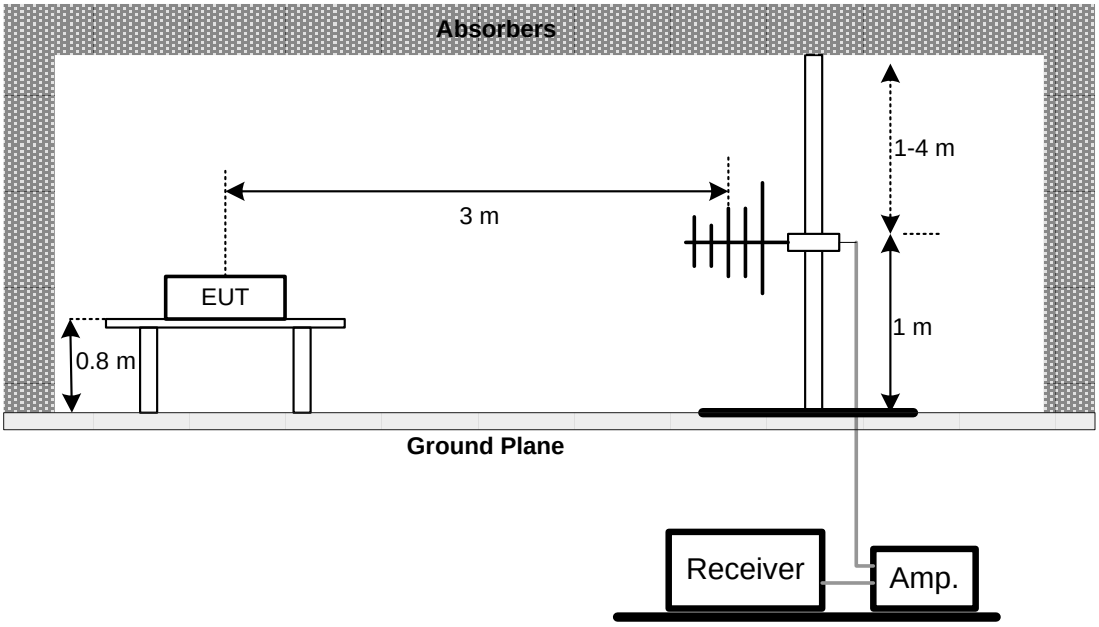
No deviation.

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.

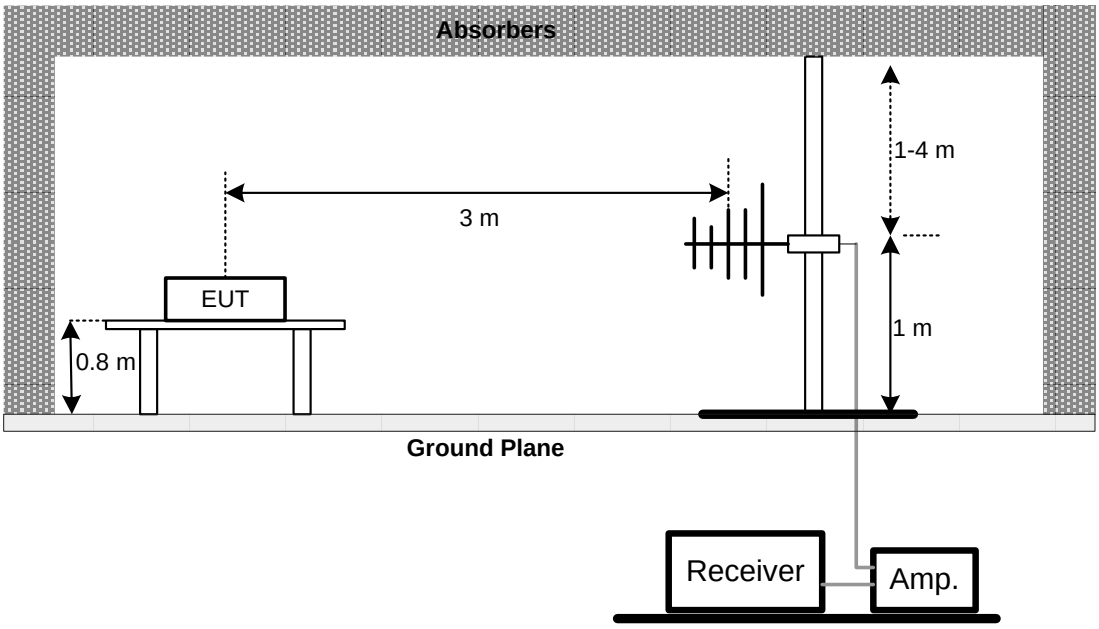
a. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. 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 power can be calculated form EIRP power by subtracting the gain of dipole,
ERP power = EIRP power - 2.15 dBi.
e. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is1 MHz / 3 MHz.

5.3 DEVIATION FROM TEST STANDARD

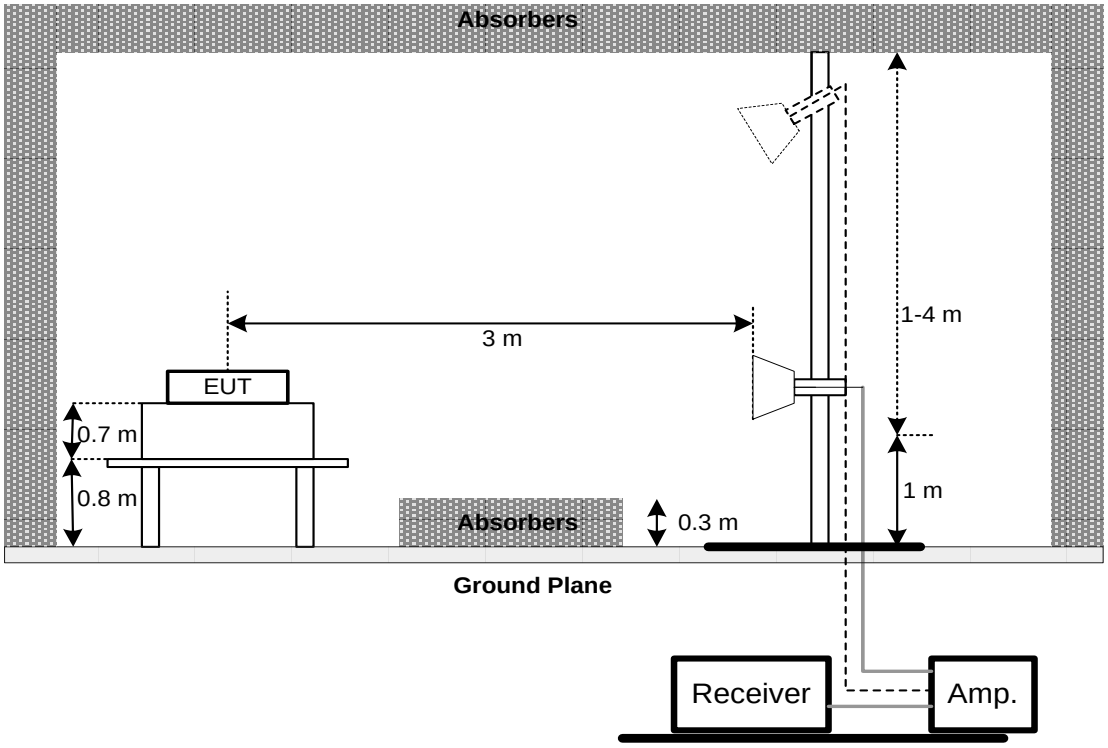
No deviation.

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 Isotropic 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

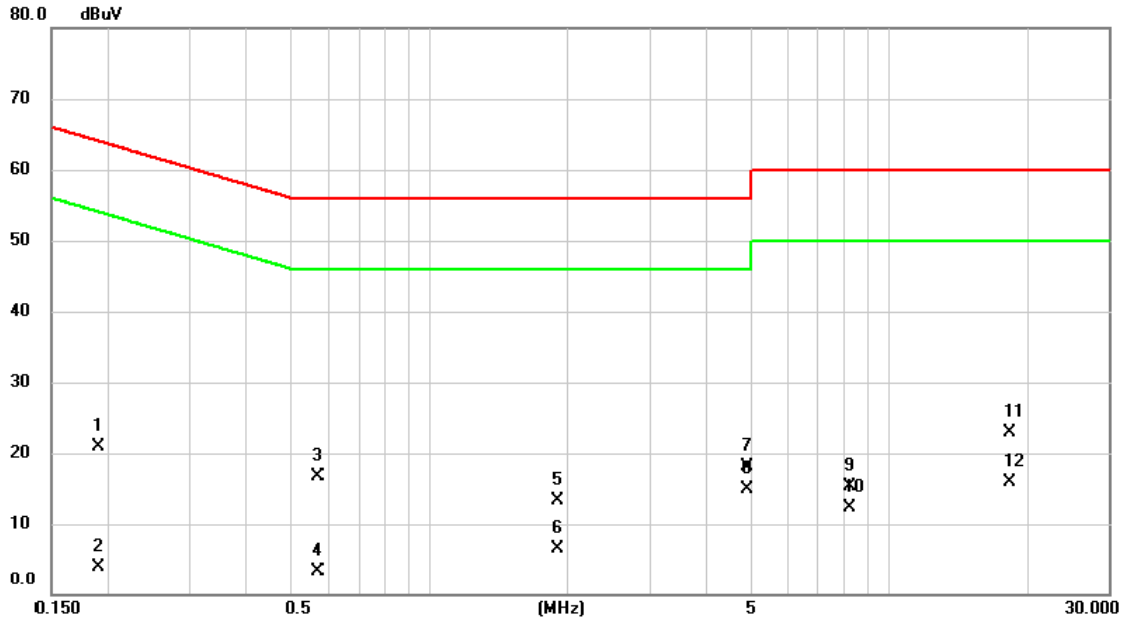
Please refer to document Appendix No.: TP-2202T096-FCCP-1 (APPENDIX-TEST PHOTOS).

8 EUT PHOTOS

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

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

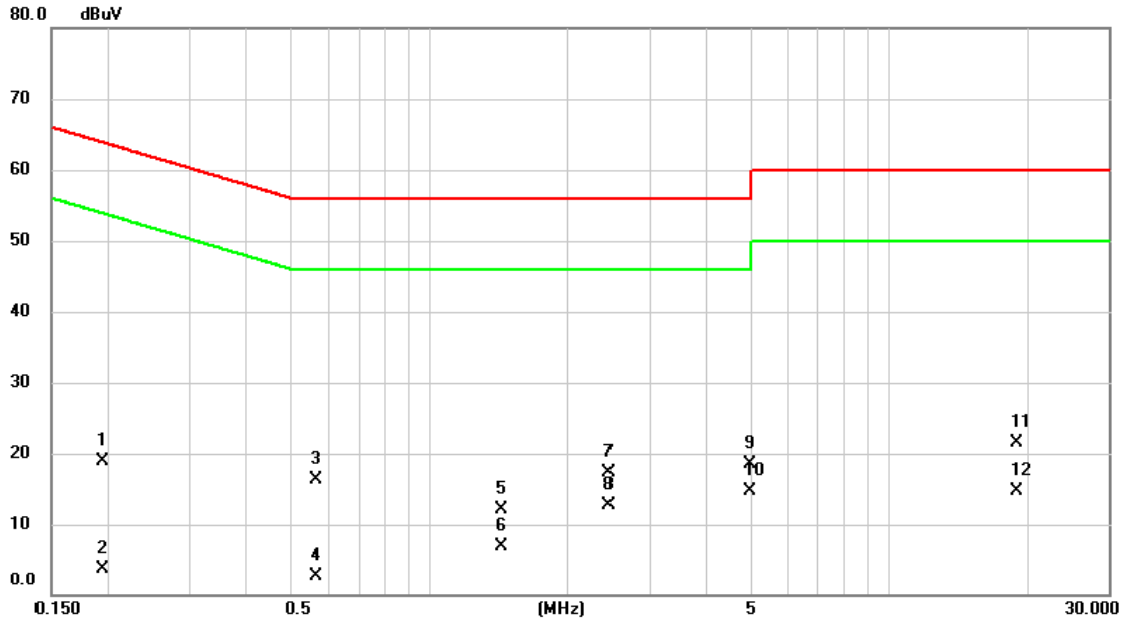
Test Mode	Normal	Tested Date	2022/8/5
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		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.

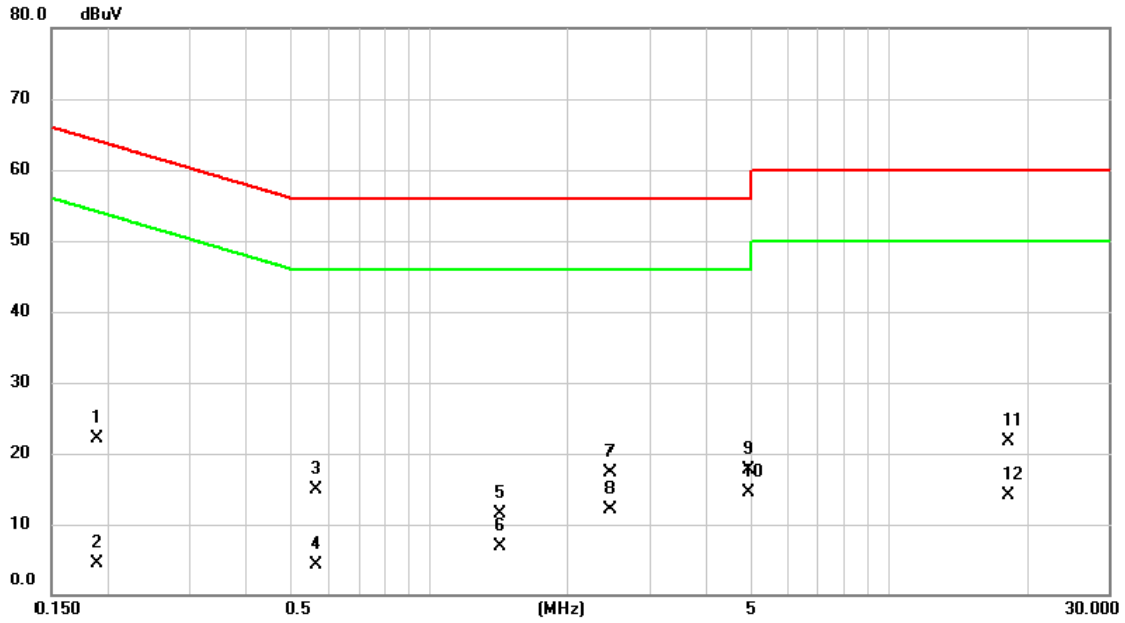
Test Mode	Normal	Tested Date	2022/8/5
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		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.

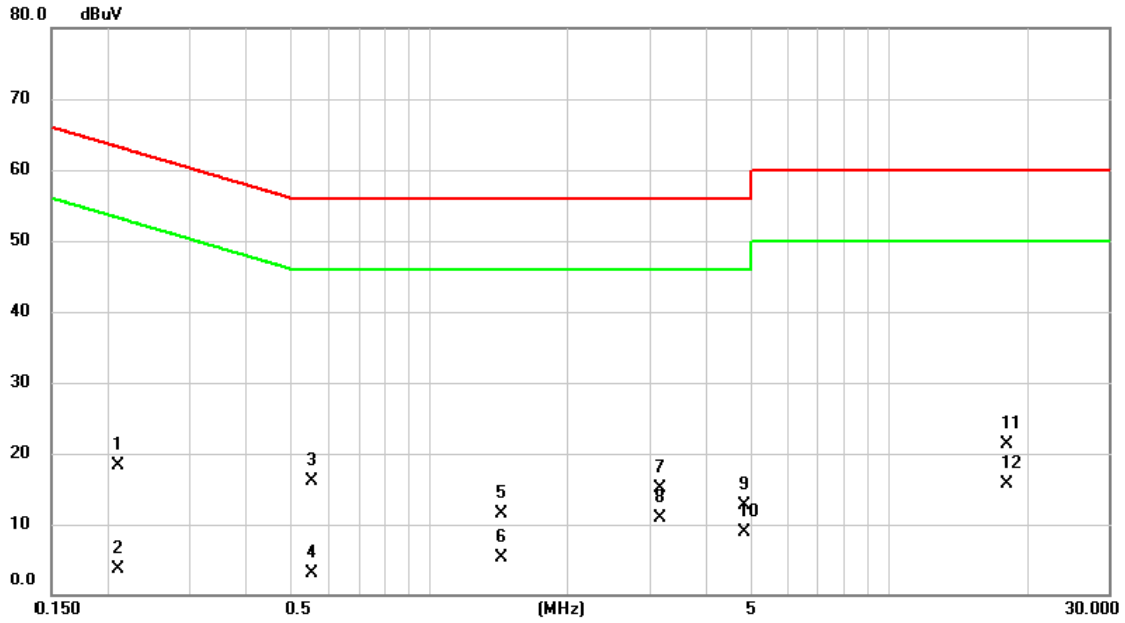
Test Mode	Idle	Tested Date	2022/8/5
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
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		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
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 ISOTROPIC RADIATED POWER

Conducted Output Power and Calculated EIRP:

LTE Band 2 Power:

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	**EIRP** power (dBm)	**EIRP** power (W)
2	1.4	18607	1850.7	QPSK	1	0	0	22.94	25.57	0.361
					1	2	0	23.15	25.78	0.378
					1	5	0	22.97	25.60	0.363
					3	0	0	22.95	25.58	0.361
					3	1	0	23.21	25.84	0.384
					3	2	0	23.01	25.64	0.366
					6	0	1	22.05	24.68	0.294
				16QAM	1	0	1	22.03	24.66	0.292
					1	2	1	22.25	24.88	0.308
					1	5	1	22.08	24.71	0.296
					3	0	1	21.89	24.52	0.283
					3	1	1	22.11	24.74	0.298
					3	2	1	21.93	24.56	0.286
					6	0	2	21.18	23.81	0.240
		18900	1880.0	QPSK	1	0	0	22.99	25.62	0.365
					1	2	0	22.86	25.49	0.354
					1	5	0	22.50	25.13	0.326
					3	0	0	23.00	25.63	0.366
					3	1	0	22.92	25.55	0.359
					3	2	0	22.54	25.17	0.329
					6	0	1	22.05	24.68	0.294
				16QAM	1	0	1	22.08	24.71	0.296
					1	2	1	21.96	24.59	0.288
					1	5	1	21.61	24.24	0.265
					3	0	1	22.15	24.78	0.301
					3	1	1	22.03	24.66	0.292
					3	2	1	21.60	24.23	0.265
					6	0	2	21.08	23.71	0.235
		19193	1909.3	QPSK	1	0	0	22.63	25.26	0.336
					1	2	0	22.91	25.54	0.358
					1	5	0	22.72	25.35	0.343
					3	0	0	22.64	25.27	0.337
					3	1	0	22.97	25.60	0.363
					3	2	0	22.76	25.39	0.346
					6	0	1	21.74	24.37	0.274
				16QAM	1	0	1	21.72	24.35	0.272
					1	2	1	22.01	24.64	0.291
					1	5	1	21.83	24.46	0.279
					3	0	1	21.67	24.30	0.269
					3	1	1	21.92	24.55	0.285
					3	2	1	21.87	24.50	0.282
					6	0	2	20.94	23.57	0.228

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
2	3	18615	1851.5	QPSK	1	0	0	22.99	25.62	0.365
					1	7	0	23.20	25.83	0.383
					1	14	0	23.02	25.65	0.367
					8	0	1	22.10	24.73	0.297
					8	4	1	22.36	24.99	0.316
					8	7	1	22.16	24.79	0.301
					15	0	1	22.10	24.73	0.297
				16QAM	1	0	1	22.08	24.71	0.296
					1	7	1	22.30	24.93	0.311
					1	14	1	22.13	24.76	0.299
					8	0	2	21.04	23.67	0.233
					8	4	2	21.31	23.94	0.248
					8	7	2	21.08	23.71	0.235
					15	0	2	21.23	23.86	0.243
		18900	1880.0	QPSK	1	0	0	23.04	25.67	0.369
					1	7	0	22.91	25.54	0.358
					1	14	0	22.55	25.18	0.330
					8	0	1	22.15	24.78	0.301
					8	4	1	22.07	24.70	0.295
					8	7	1	21.69	24.32	0.270
					15	0	1	22.10	24.73	0.297
				16QAM	1	0	1	22.13	24.76	0.299
					1	7	1	22.01	24.64	0.291
					1	14	1	21.66	24.29	0.269
					8	0	2	21.30	23.93	0.247
					8	4	2	21.18	23.81	0.240
					8	7	2	20.75	23.38	0.218
					15	0	2	21.13	23.76	0.238
		19185	1908.5	QPSK	1	0	0	22.68	25.31	0.340
					1	7	0	22.96	25.59	0.362
					1	14	0	22.77	25.40	0.347
					8	0	1	21.79	24.42	0.277
					8	4	1	22.12	24.75	0.299
					8	7	1	21.91	24.54	0.284
					15	0	1	21.79	24.42	0.277
				16QAM	1	0	1	21.77	24.40	0.275
					1	7	1	22.06	24.69	0.294
					1	14	1	21.88	24.51	0.282
					8	0	2	20.82	23.45	0.221
					8	4	2	21.07	23.70	0.234
					8	7	2	21.02	23.65	0.232
					15	0	2	20.99	23.62	0.230

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
2	5	18625	1852.5	QPSK	1	0	0	23.04	25.67	0.369
					1	12	0	23.25	25.88	0.387
					1	24	0	23.07	25.70	0.372
					12	0	1	22.15	24.78	0.301
					12	6	1	22.41	25.04	0.319
					12	11	1	22.21	24.84	0.305
					25	0	1	22.15	24.78	0.301
				16QAM	1	0	1	22.13	24.76	0.299
					1	12	1	22.35	24.98	0.315
					1	24	1	22.18	24.81	0.303
					12	0	2	21.09	23.72	0.236
					12	6	2	21.36	23.99	0.251
					12	11	2	21.13	23.76	0.238
					25	0	2	21.28	23.91	0.246
		18900	1880.0	QPSK	1	0	0	23.09	25.72	0.373
					1	12	0	22.96	25.59	0.362
					1	24	0	22.60	25.23	0.333
					12	0	1	22.20	24.83	0.304
					12	6	1	22.12	24.75	0.299
					12	11	1	21.74	24.37	0.274
					25	0	1	22.15	24.78	0.301
				16QAM	1	0	1	22.18	24.81	0.303
					1	12	1	22.06	24.69	0.294
					1	24	1	21.71	24.34	0.272
					12	0	2	21.35	23.98	0.250
					12	6	2	21.23	23.86	0.243
					12	11	2	20.80	23.43	0.220
					25	0	2	21.18	23.81	0.240
		19175	1907.5	QPSK	1	0	0	22.73	25.36	0.344
					1	12	0	23.01	25.64	0.366
					1	24	0	22.82	25.45	0.351
					12	0	1	21.84	24.47	0.280
					12	6	1	22.17	24.80	0.302
					12	11	1	21.96	24.59	0.288
					25	0	1	21.84	24.47	0.280
				16QAM	1	0	1	21.82	24.45	0.279
					1	12	1	22.11	24.74	0.298
					1	24	1	21.93	24.56	0.286
					12	0	2	20.87	23.50	0.224
					12	6	2	21.12	23.75	0.237
					12	11	2	21.07	23.70	0.234
					25	0	2	21.04	23.67	0.233

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
2	10	18650	1855.0	QPSK	1	0	0	23.09	25.72	0.373
					1	24	0	23.30	25.93	0.392
					1	49	0	23.12	25.75	0.376
					25	0	1	22.20	24.83	0.304
					25	12	1	22.46	25.09	0.323
					25	24	1	22.26	24.89	0.308
					50	0	1	22.20	24.83	0.304
				16QAM	1	0	1	22.18	24.81	0.303
					1	24	1	22.40	25.03	0.318
					1	49	1	22.23	24.86	0.306
					25	0	2	21.14	23.77	0.238
					25	12	2	21.41	24.04	0.254
					25	24	2	21.18	23.81	0.240
					50	0	2	21.33	23.96	0.249
		18900	1880.0	QPSK	1	0	0	23.14	25.77	0.378
					1	24	0	23.01	25.64	0.366
					1	49	0	22.65	25.28	0.337
					25	0	1	22.25	24.88	0.308
					25	12	1	22.17	24.80	0.302
					25	24	1	21.79	24.42	0.277
					50	0	1	22.20	24.83	0.304
				16QAM	1	0	1	22.23	24.86	0.306
					1	24	1	22.11	24.74	0.298
					1	49	1	21.76	24.39	0.275
					25	0	2	21.40	24.03	0.253
					25	12	2	21.28	23.91	0.246
					25	24	2	20.85	23.48	0.223
					50	0	2	21.23	23.86	0.243
		19150	1905.0	QPSK	1	0	0	22.78	25.41	0.348
					1	24	0	23.06	25.69	0.371
					1	49	0	22.87	25.50	0.355
					25	0	1	21.89	24.52	0.283
					25	12	1	22.22	24.85	0.305
					25	24	1	22.01	24.64	0.291
					50	0	1	21.89	24.52	0.283
				16QAM	1	0	1	21.87	24.50	0.282
					1	24	1	22.16	24.79	0.301
					1	49	1	21.98	24.61	0.289
					25	0	2	20.92	23.55	0.226
					25	12	2	21.17	23.80	0.240
					25	24	2	21.12	23.75	0.237
					50	0	2	21.09	23.72	0.236

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
2	15	18675	1857.5	QPSK	1	0	0	23.14	25.77	0.378
					1	37	0	23.35	25.98	0.396
					1	74	0	23.17	25.80	0.380
					36	0	1	22.25	24.88	0.308
					36	18	1	22.51	25.14	0.327
					36	35	1	22.31	24.94	0.312
					75	0	1	22.25	24.88	0.308
				16QAM	1	0	1	22.23	24.86	0.306
					1	37	1	22.45	25.08	0.322
					1	74	1	22.28	24.91	0.310
					36	0	2	21.19	23.82	0.241
					36	18	2	21.46	24.09	0.256
					36	35	2	21.23	23.86	0.243
					75	0	2	21.38	24.01	0.252
		18900	1880.0	QPSK	1	0	0	23.19	25.82	0.382
					1	37	0	23.06	25.69	0.371
					1	74	0	22.70	25.33	0.341
					36	0	1	22.30	24.93	0.311
					36	18	1	22.22	24.85	0.305
					36	35	1	21.84	24.47	0.280
					75	0	1	22.25	24.88	0.308
				16QAM	1	0	1	22.28	24.91	0.310
					1	37	1	22.16	24.79	0.301
					1	74	1	21.81	24.44	0.278
					36	0	2	21.45	24.08	0.256
					36	18	2	21.33	23.96	0.249
					36	35	2	20.90	23.53	0.225
					75	0	2	21.28	23.91	0.246
		19125	1902.5	QPSK	1	0	0	22.83	25.46	0.352
					1	37	0	23.11	25.74	0.375
					1	74	0	22.92	25.55	0.359
					36	0	1	21.94	24.57	0.286
					36	18	1	22.27	24.90	0.309
					36	35	1	22.06	24.69	0.294
					75	0	1	21.94	24.57	0.286
				16QAM	1	0	1	21.92	24.55	0.285
					1	37	1	22.21	24.84	0.305
					1	74	1	22.03	24.66	0.292
					36	0	2	20.97	23.60	0.229
					36	18	2	21.22	23.85	0.243
					36	35	2	21.17	23.80	0.240
					75	0	2	21.14	23.77	0.238

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
2	20	18700	1860.0	QPSK	1	0	0	**23.19**	25.82	0.382
					1	49	0	**23.40**	26.03	0.401
					1	99	0	**23.22**	25.85	0.385
					50	0	1	22.30	24.93	0.311
					50	24	1	22.56	25.19	0.330
					50	49	1	22.36	24.99	0.316
					100	0	1	22.30	24.93	0.311
				16QAM	1	0	1	22.28	24.91	0.310
					1	49	1	22.50	25.13	0.326
					1	99	1	22.33	24.96	0.313
					50	0	2	21.24	23.87	0.244
					50	24	2	21.51	24.14	0.259
					50	49	2	21.28	23.91	0.246
					100	0	2	21.43	24.06	0.255
		18900	1880.0	QPSK	1	0	0	**23.24**	25.87	0.386
					1	49	0	**23.11**	25.74	0.375
					1	99	0	**22.75**	25.38	0.345
					50	0	1	22.35	24.98	0.315
					50	24	1	22.27	24.90	0.309
					50	49	1	21.89	24.52	0.283
					100	0	1	22.30	24.93	0.311
				16QAM	1	0	1	22.33	24.96	0.313
					1	49	1	22.21	24.84	0.305
					1	99	1	21.86	24.49	0.281
					50	0	2	21.50	24.13	0.259
					50	24	2	21.38	24.01	0.252
					50	49	2	20.95	23.58	0.228
					100	0	2	21.33	23.96	0.249
		19100	1900.0	QPSK	1	0	0	**22.88**	25.51	0.356
					1	49	0	**23.16**	25.79	0.379
					1	99	0	**22.97**	25.60	0.363
					50	0	1	21.99	24.62	0.290
					50	24	1	22.32	24.95	0.313
					50	49	1	22.11	24.74	0.298
					100	0	1	21.99	24.62	0.290
				16QAM	1	0	1	21.97	24.60	0.288
					1	49	1	22.26	24.89	0.308
					1	99	1	22.08	24.71	0.296
					50	0	2	21.02	23.65	0.232
					50	24	2	21.27	23.90	0.245
					50	49	2	21.22	23.85	0.243
					100	0	2	21.19	23.82	0.241

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 25 Power:

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
25	1.4	26047	1850.7	QPSK	1	0	0	23.03	25.66	0.368
					1	2	0	23.14	25.77	0.378
					1	5	0	22.98	25.61	0.364
					3	0	0	23.03	25.66	0.368
					3	1	0	23.14	25.77	0.378
					3	2	0	22.98	25.61	0.364
					6	0	1	22.14	24.77	0.300
				16QAM	1	0	1	22.12	24.75	0.299
					1	2	1	22.24	24.87	0.307
					1	5	1	22.09	24.72	0.296
					3	0	1	22.12	24.75	0.299
					3	1	1	22.24	24.87	0.307
					3	2	1	22.09	24.72	0.296
					6	0	2	21.17	23.80	0.240
		26365	1882.5	QPSK	1	0	0	22.85	25.48	0.353
					1	2	0	23.03	25.66	0.368
					1	5	0	22.91	25.54	0.358
					3	0	0	22.85	25.48	0.353
					3	1	0	23.03	25.66	0.368
					3	2	0	22.91	25.54	0.358
					6	0	1	21.96	24.59	0.288
				16QAM	1	0	1	21.94	24.57	0.286
					1	2	1	22.13	24.76	0.299
					1	5	1	22.02	24.65	0.292
					3	0	1	21.94	24.57	0.286
					3	1	1	22.13	24.76	0.299
					3	2	1	22.02	24.65	0.292
					6	0	2	20.96	23.59	0.229
		26683	1914.3	QPSK	1	0	0	23.07	25.70	0.372
					1	2	0	23.26	25.89	0.388
					1	5	0	23.16	25.79	0.379
					3	0	0	23.07	25.70	0.372
					3	1	0	23.26	25.89	0.388
					3	2	0	23.16	25.79	0.379
					6	0	1	22.18	24.81	0.303
				16QAM	1	0	1	22.16	24.79	0.301
					1	2	1	22.36	24.99	0.316
					1	5	1	22.27	24.90	0.309
					3	0	1	22.16	24.79	0.301
					3	1	1	22.36	24.99	0.316
					3	2	1	22.27	24.90	0.309
					6	0	2	21.21	23.84	0.242

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
25	3	26055	1851.5	QPSK	1	0	0	23.08	25.71	0.372
					1	7	0	23.19	25.82	0.382
					1	14	0	23.03	25.66	0.368
					8	0	1	22.19	24.82	0.303
					8	4	1	22.35	24.98	0.315
					8	7	1	22.17	24.80	0.302
					15	0	1	22.19	24.82	0.303
				16QAM	1	0	1	22.17	24.80	0.302
					1	7	1	22.29	24.92	0.310
					1	14	1	22.14	24.77	0.300
					8	0	2	21.08	23.71	0.235
					8	4	2	21.30	23.93	0.247
					8	7	2	21.25	23.88	0.244
					15	0	2	21.22	23.85	0.243
		26365	1882.5	QPSK	1	0	0	22.90	25.53	0.357
					1	7	0	23.08	25.71	0.372
					1	14	0	22.96	25.59	0.362
					8	0	1	22.01	24.64	0.291
					8	4	1	22.24	24.87	0.307
					8	7	1	22.10	24.73	0.297
					15	0	1	22.01	24.64	0.291
				16QAM	1	0	1	21.99	24.62	0.290
					1	7	1	22.18	24.81	0.303
					1	14	1	22.07	24.70	0.295
					8	0	2	21.01	23.64	0.231
					8	4	2	21.19	23.82	0.241
					8	7	2	21.14	23.77	0.238
					15	0	2	21.11	23.74	0.237
		26675	1913.5	QPSK	1	0	0	23.12	25.75	0.376
					1	7	0	23.31	25.94	0.393
					1	14	0	23.21	25.84	0.384
					8	0	1	22.23	24.86	0.306
					8	4	1	22.47	25.10	0.324
					8	7	1	22.35	24.98	0.315
					15	0	1	22.23	24.86	0.306
				16QAM	1	0	1	22.21	24.84	0.305
					1	7	1	22.41	25.04	0.319
					1	14	1	22.32	24.95	0.313
					8	0	2	21.26	23.89	0.245
					8	4	2	21.42	24.05	0.254
					8	7	2	21.37	24.00	0.251
					15	0	2	21.34	23.97	0.249

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
25	5	26065	1852.5	QPSK	1	0	0	23.13	25.76	0.377
					1	12	0	23.24	25.87	0.386
					1	24	0	23.08	25.71	0.372
					12	0	1	22.24	24.87	0.307
					12	6	1	22.40	25.03	0.318
					12	11	1	22.22	24.85	0.305
					25	0	1	22.24	24.87	0.307
				16QAM	1	0	1	22.22	24.85	0.305
					1	12	1	22.34	24.97	0.314
					1	24	1	22.19	24.82	0.303
					12	0	2	21.13	23.76	0.238
					12	6	2	21.35	23.98	0.250
					12	11	2	21.30	23.93	0.247
					25	0	2	21.27	23.90	0.245
		26365	1882.5	QPSK	1	0	0	22.95	25.58	0.361
					1	12	0	23.13	25.76	0.377
					1	24	0	23.01	25.64	0.366
					12	0	1	22.06	24.69	0.294
					12	6	1	22.29	24.92	0.310
					12	11	1	22.15	24.78	0.301
					25	0	1	22.06	24.69	0.294
				16QAM	1	0	1	22.04	24.67	0.293
					1	12	1	22.23	24.86	0.306
					1	24	1	22.12	24.75	0.299
					12	0	2	21.06	23.69	0.234
					12	6	2	21.24	23.87	0.244
					12	11	2	21.19	23.82	0.241
					25	0	2	21.16	23.79	0.239
		26665	1912.5	QPSK	1	0	0	23.17	25.80	0.380
					1	12	0	23.36	25.99	0.397
					1	24	0	23.26	25.89	0.388
					12	0	1	22.28	24.91	0.310
					12	6	1	22.52	25.15	0.327
					12	11	1	22.40	25.03	0.318
					25	0	1	22.28	24.91	0.310
				16QAM	1	0	1	22.26	24.89	0.308
					1	12	1	22.46	25.09	0.323
					1	24	1	22.37	25.00	0.316
					12	0	2	21.31	23.94	0.248
					12	6	2	21.47	24.10	0.257
					12	11	2	21.42	24.05	0.254
					25	0	2	21.39	24.02	0.252

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
25	10	26090	1855.0	QPSK	1	0	0	23.18	25.81	0.381
					1	24	0	23.29	25.92	0.391
					1	49	0	23.13	25.76	0.377
					25	0	1	22.29	24.92	0.310
					25	12	1	22.45	25.08	0.322
					25	24	1	22.27	24.90	0.309
					50	0	1	22.29	24.92	0.310
				16QAM	1	0	1	22.27	24.90	0.309
					1	24	1	22.39	25.02	0.318
					1	49	1	22.24	24.87	0.307
					25	0	2	21.18	23.81	0.240
					25	12	2	21.40	24.03	0.253
					25	24	2	21.35	23.98	0.250
					50	0	2	21.32	23.95	0.248
		26365	1882.5	QPSK	1	0	0	23.00	25.63	0.366
					1	24	0	23.18	25.81	0.381
					1	49	0	23.06	25.69	0.371
					25	0	1	22.11	24.74	0.298
					25	12	1	22.34	24.97	0.314
					25	24	1	22.20	24.83	0.304
					50	0	1	22.11	24.74	0.298
				16QAM	1	0	1	22.09	24.72	0.296
					1	24	1	22.28	24.91	0.310
					1	49	1	22.17	24.80	0.302
					25	0	2	21.11	23.74	0.237
					25	12	2	21.29	23.92	0.247
					25	24	2	21.24	23.87	0.244
					50	0	2	21.21	23.84	0.242
		26640	1910.0	QPSK	1	0	0	23.22	25.85	0.385
					1	24	0	23.41	26.04	0.402
					1	49	0	23.31	25.94	0.393
					25	0	1	22.33	24.96	0.313
					25	12	1	22.57	25.20	0.331
					25	24	1	22.45	25.08	0.322
					50	0	1	22.33	24.96	0.313
				16QAM	1	0	1	22.31	24.94	0.312
					1	24	1	22.51	25.14	0.327
					1	49	1	22.42	25.05	0.320
					25	0	2	21.36	23.99	0.251
					25	12	2	21.52	24.15	0.260
					25	24	2	21.47	24.10	0.257
					50	0	2	21.44	24.07	0.255

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

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
25	15	26115	1857.5	QPSK	1	0	0	23.23	25.86	0.385
					1	37	0	23.34	25.97	0.395
					1	74	0	23.18	25.81	0.381
					36	0	1	22.34	24.97	0.314
					36	18	1	22.50	25.13	0.326
					36	37	1	22.32	24.95	0.313
					75	0	1	22.34	24.97	0.314
				16QAM	1	0	1	22.32	24.95	0.313
					1	37	1	22.44	25.07	0.321
					1	74	1	22.29	24.92	0.310
					36	0	2	21.23	23.86	0.243
					36	18	2	21.45	24.08	0.256
					36	37	2	21.40	24.03	0.253
					75	0	2	21.37	24.00	0.251
		26365	1882.5	QPSK	1	0	0	23.05	25.68	0.370
					1	37	0	23.23	25.86	0.385
					1	74	0	23.11	25.74	0.375
					36	0	1	22.16	24.79	0.301
					36	18	1	22.39	25.02	0.318
					36	37	1	22.25	24.88	0.308
					75	0	1	22.16	24.79	0.301
				16QAM	1	0	1	22.14	24.77	0.300
					1	37	1	22.33	24.96	0.313
					1	74	1	22.22	24.85	0.305
					36	0	2	21.16	23.79	0.239
					36	18	2	21.34	23.97	0.249
					36	37	2	21.29	23.92	0.247
					75	0	2	21.26	23.89	0.245
		26615	1907.5	QPSK	1	0	0	23.27	25.90	0.389
					1	37	0	23.46	26.09	0.406
					1	74	0	23.36	25.99	0.397
					36	0	1	22.38	25.01	0.317
					36	18	1	22.62	25.25	0.335
					36	37	1	22.50	25.13	0.326
					75	0	1	22.38	25.01	0.317
				16QAM	1	0	1	22.36	24.99	0.316
					1	37	1	22.56	25.19	0.330
					1	74	1	22.47	25.10	0.324
					36	0	2	21.41	24.04	0.254
					36	18	2	21.57	24.20	0.263
					36	37	2	21.52	24.15	0.260
					75	0	2	21.49	24.12	0.258

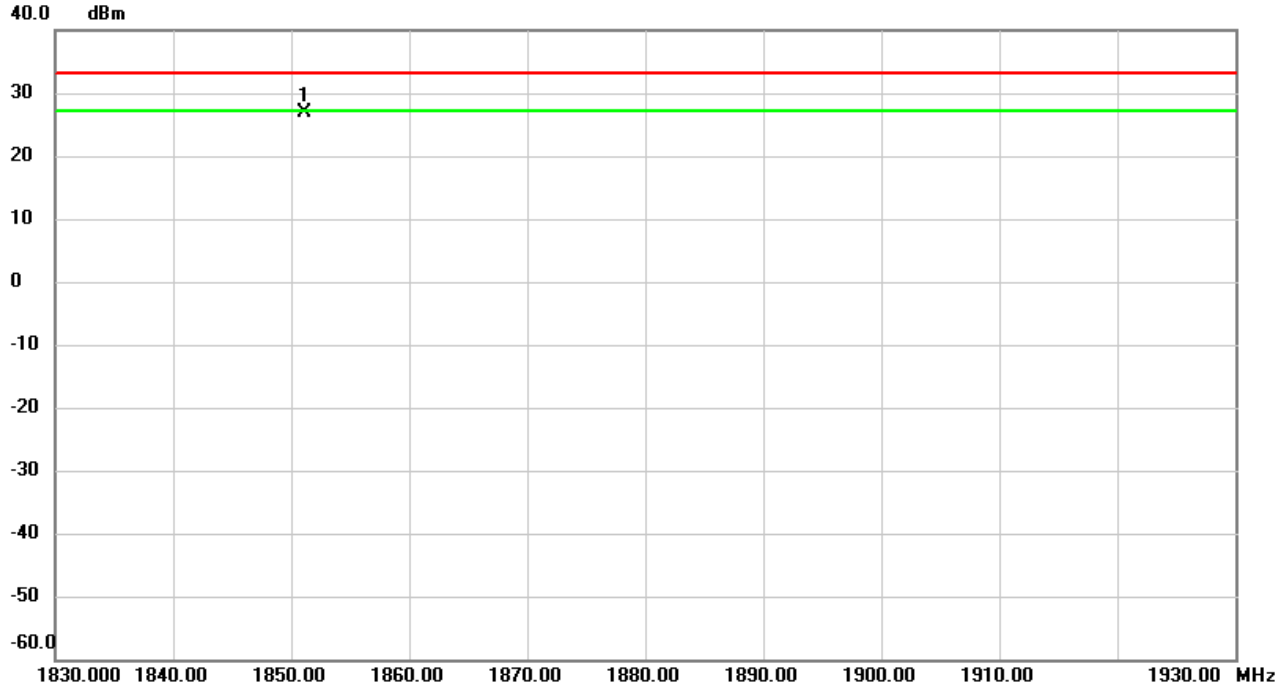
NOTE:
(1) EIRP = Average power + Antenna gain.
(2) ERP = EIRP - 2.15.
(3) $P(W) = 1\ W \cdot 10^{(P(dBm)\ /\ 10)} / 1000$

Band	BW (MHz)	Channel	Frequency (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	EIRP power (dBm)	EIRP power (W)
25	20	26140	1860.0	QPSK	1	0	0	**23.28**	25.91	0.390
					1	49	0	**23.39**	26.02	0.400
					1	99	0	**23.23**	25.86	0.385
					50	0	1	22.39	25.02	0.318
					50	24	1	22.55	25.18	0.330
					50	49	1	22.37	25.00	0.316
					100	0	1	22.39	25.02	0.318
				16QAM	1	0	1	22.37	25.00	0.316
					1	49	1	22.49	25.12	0.325
					1	99	1	22.34	24.97	0.314
					50	0	2	21.28	23.91	0.246
					50	24	2	21.50	24.13	0.259
					50	49	2	21.45	24.08	0.256
					100	0	2	21.42	24.05	0.254
		26365	1882.5	QPSK	1	0	0	**23.10**	25.73	0.374
					1	49	0	**23.28**	25.91	0.390
					1	99	0	**23.16**	25.79	0.379
					50	0	1	22.21	24.84	0.305
					50	24	1	22.44	25.07	0.321
					50	49	1	22.30	24.93	0.311
					100	0	1	22.21	24.84	0.305
				16QAM	1	0	1	22.19	24.82	0.303
					1	49	1	22.38	25.01	0.317
					1	99	1	22.27	24.90	0.309
					50	0	2	21.21	23.84	0.242
					50	24	2	21.39	24.02	0.252
					50	49	2	21.34	23.97	0.249
					100	0	2	21.31	23.94	0.248
		26590	1905.0	QPSK	1	0	0	**23.32**	25.95	0.394
					1	49	0	**23.51**	26.14	0.411
					1	99	0	**23.41**	26.04	0.402
					50	0	1	22.43	25.06	0.321
					50	24	1	22.67	25.30	0.339
					50	49	1	22.55	25.18	0.330
					100	0	1	22.43	25.06	0.321
				16QAM	1	0	1	22.41	25.04	0.319
					1	49	1	22.61	25.24	0.334
					1	99	1	22.52	25.15	0.327
					50	0	2	21.46	24.09	0.256
					50	24	2	21.62	24.25	0.266
					50	49	2	21.57	24.20	0.263
					100	0	2	21.54	24.17	0.261

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

Radiated ERIP Power:

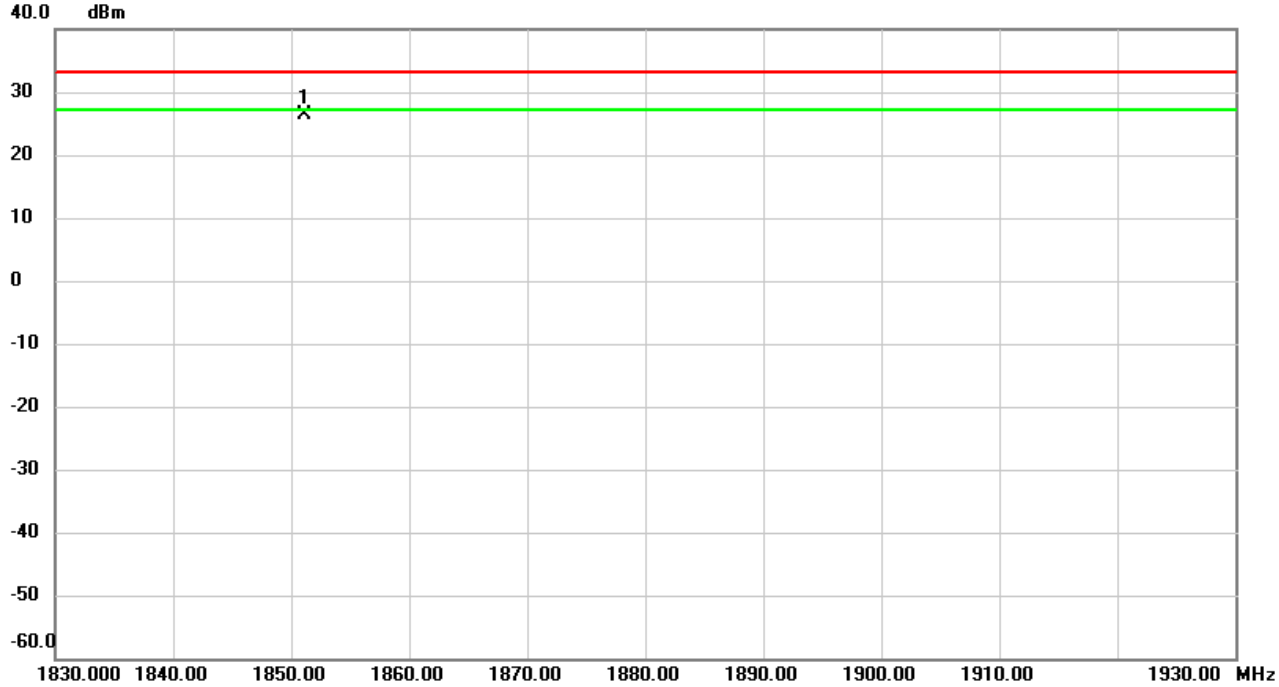
Test Mode	LTE Band 2	Test Date	2022/8/31
Test Channel	CH18700	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1851.090	22.73	4.15	26.88	33.01	-6.13	peak	

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

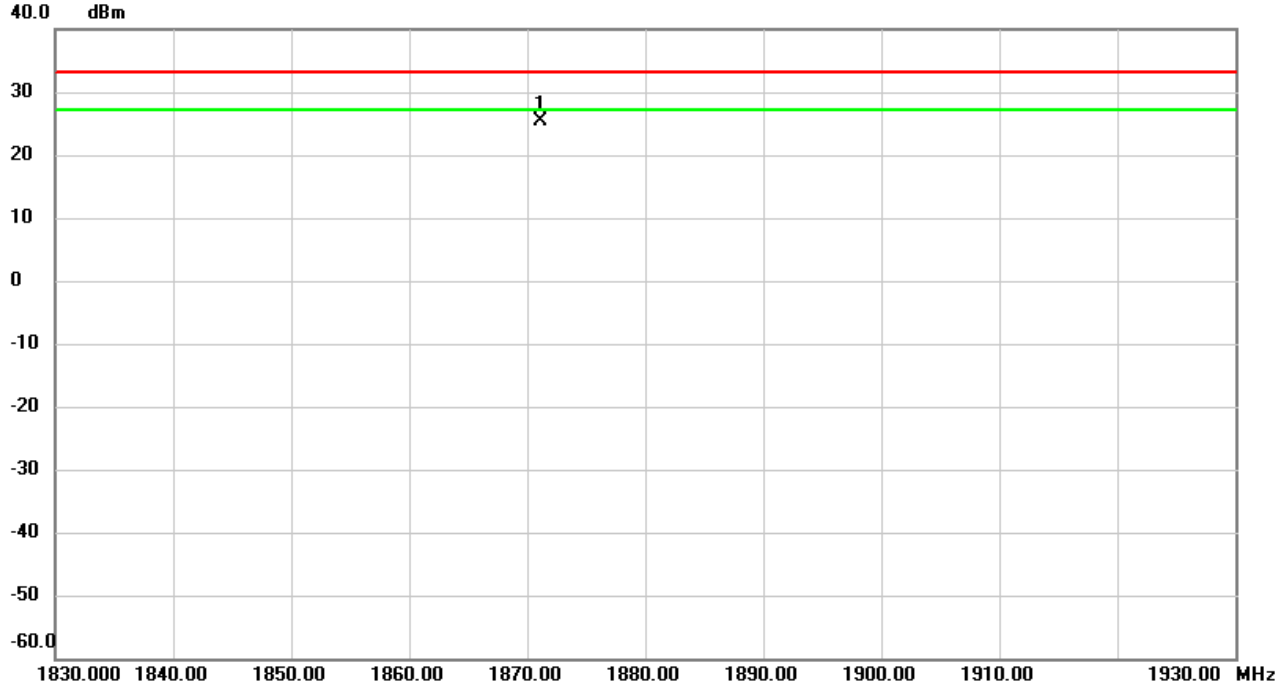
Test Mode	LTE Band 2	Test Date	2022/8/31
Test Channel	CH18700	Polarization	Horizontal
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1851.090	22.23	4.15	26.38	33.01	-6.63	peak	

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

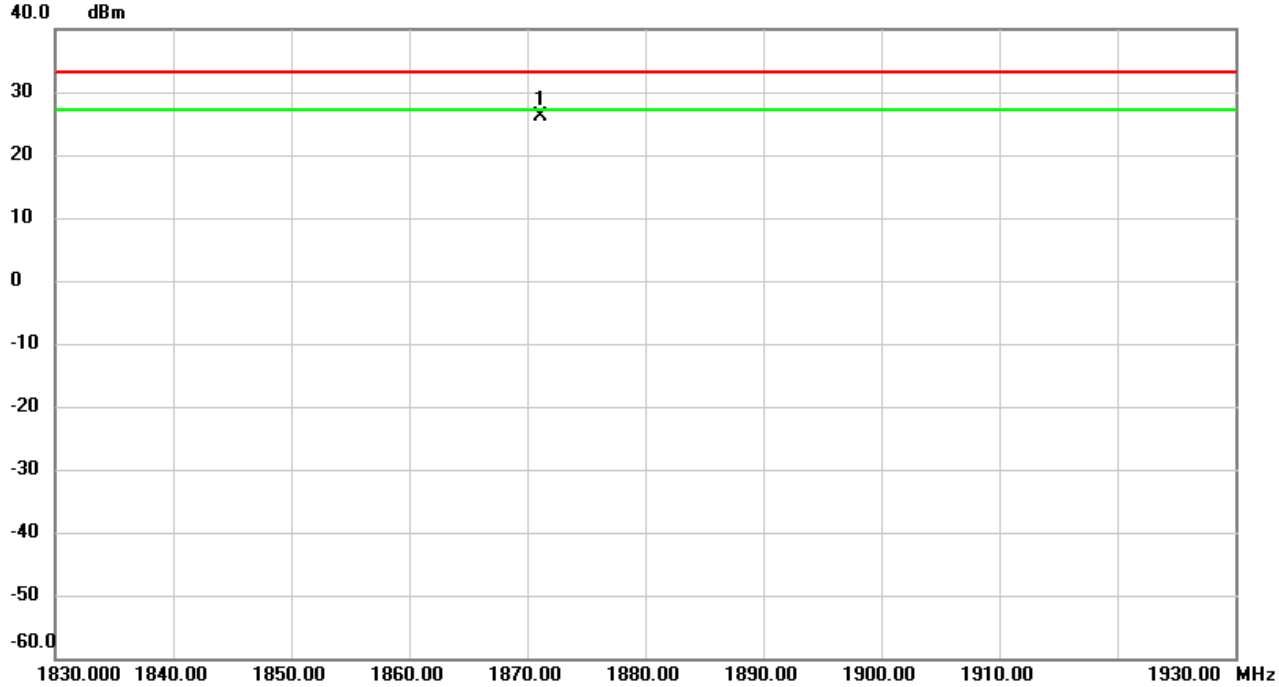
Test Mode	LTE Band 2	Test Date	2022/8/31
Test Channel	CH18900	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1871.090	20.92	4.41	25.33	33.01	-7.68	peak	

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

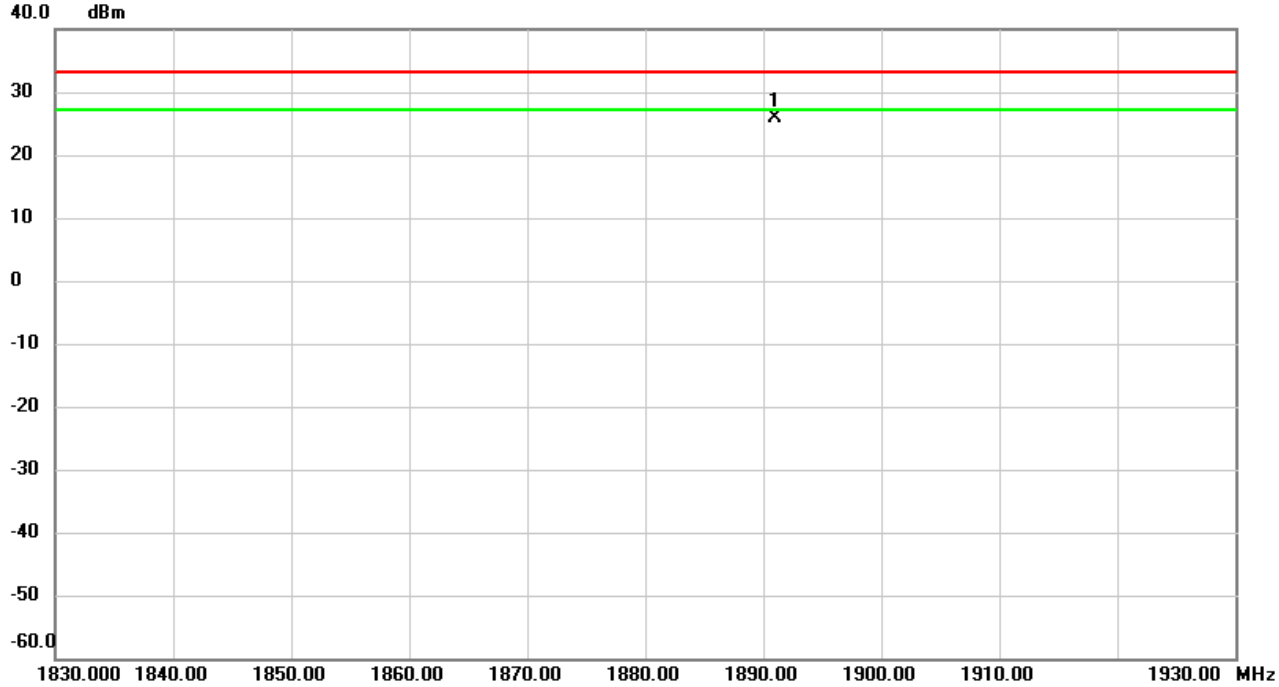
Test Mode	LTE Band 2	Test Date	2022/8/31
Test Channel	CH18900	Polarization	Horizontal
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1871.103	21.67	4.35	26.02	33.01	-6.99	peak	

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

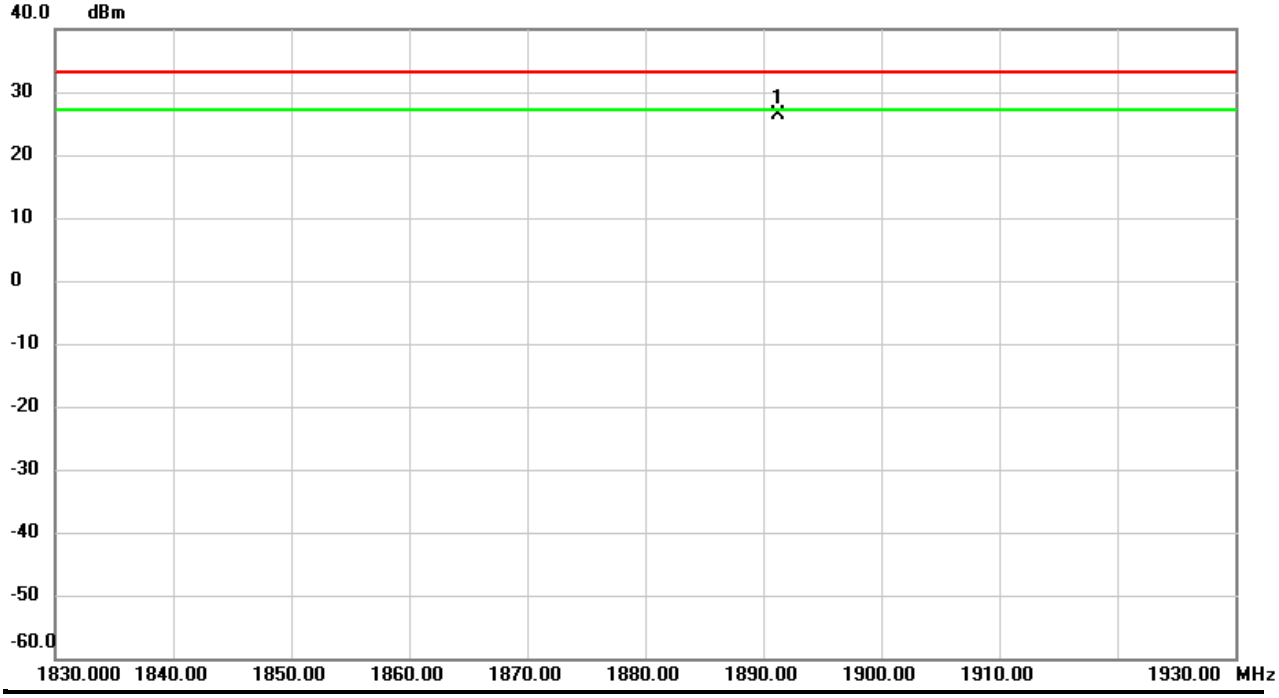
Test Mode	LTE Band 2	Test Date	2022/8/31
Test Channel	CH19100	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1891.000	21.17	4.66	25.83	33.01	-7.18	peak	

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

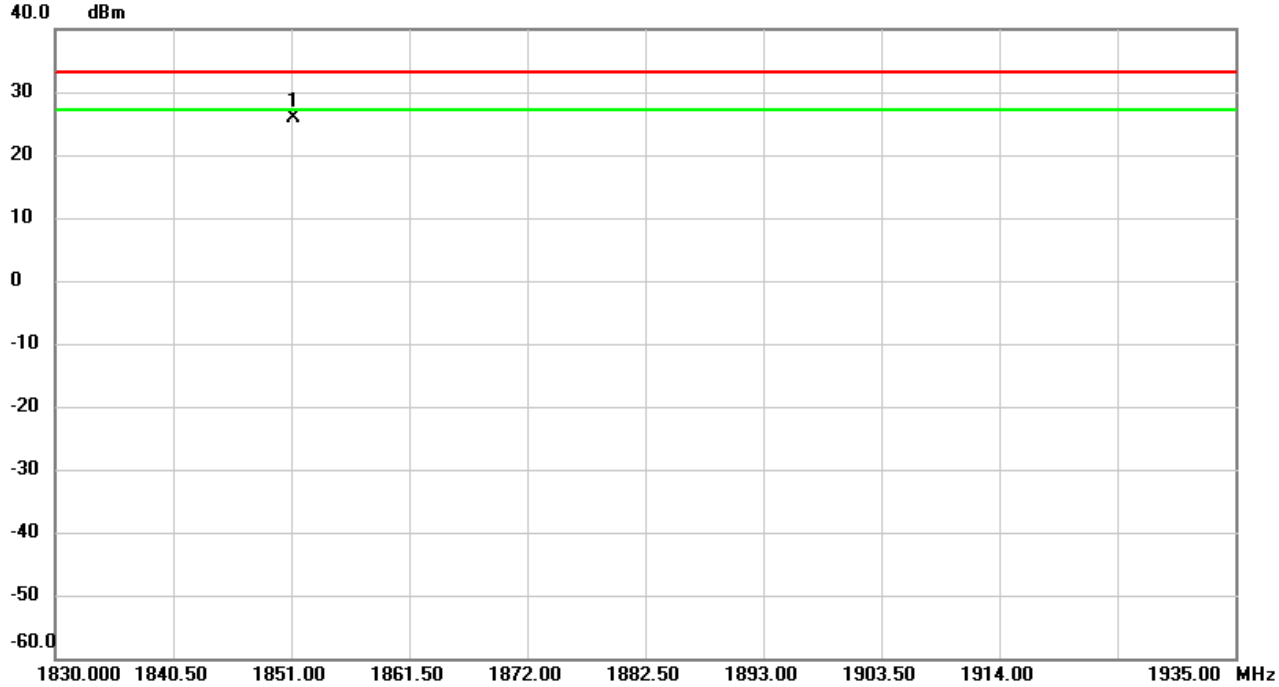
Test Mode	LTE Band 2	Test Date	2022/8/31
Test Channel	CH19100	Polarization	Horizontal
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1891.270	21.72	4.54	26.26	33.01	-6.75	peak	

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

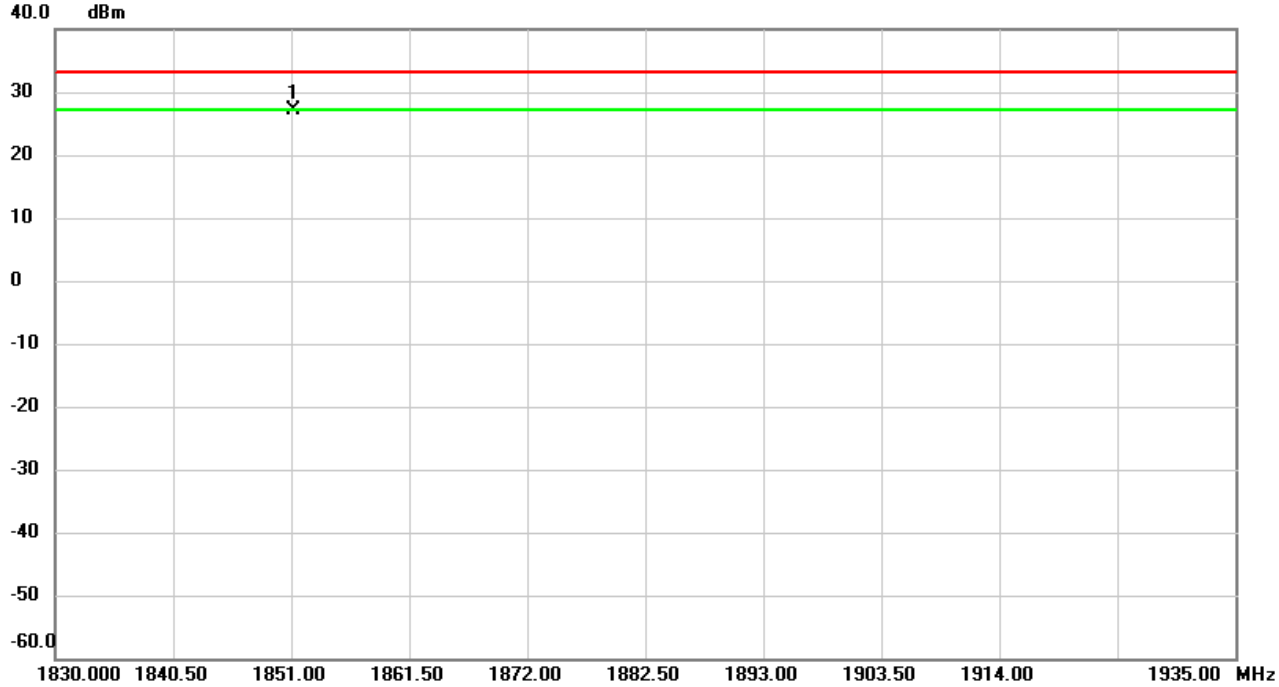
Test Mode	LTE Band 25	Test Date	2022/8/31
Test Channel	CH26140	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1851.189	21.78	4.16	25.94	33.01	-7.07	peak	

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

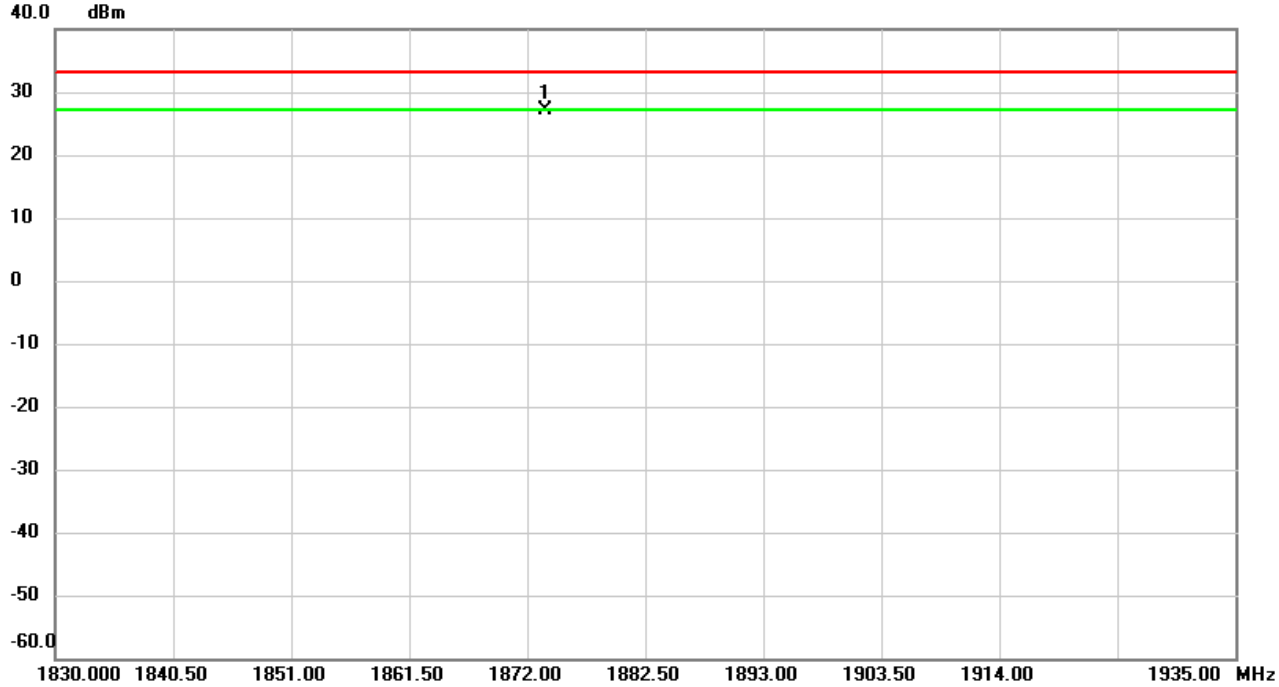
Test Mode	LTE Band 25	Test Date	2022/8/31
Test Channel	CH26140	Polarization	Horizontal
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1851.207	22.91	4.16	27.07	33.01	-5.94	peak	

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

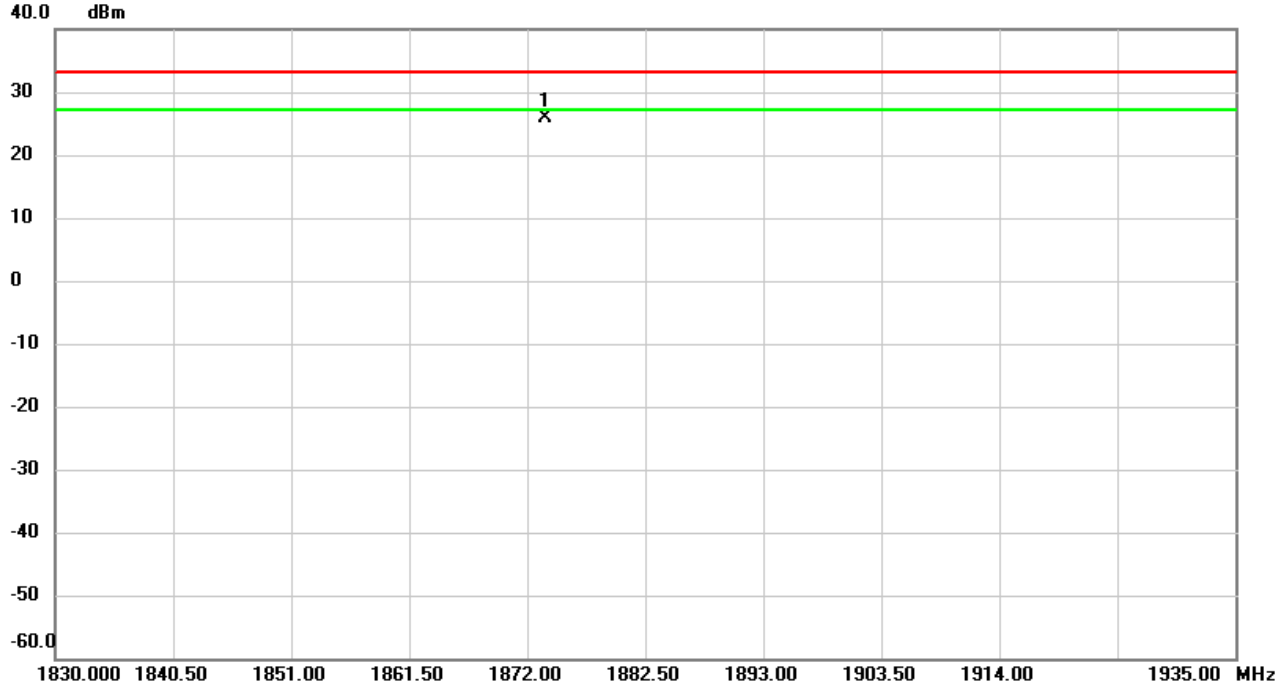
Test Mode	LTE Band 25	Test Date	2022/8/31
Test Channel	CH26365	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1873.582	22.70	4.44	27.14	33.01	-5.87	peak	

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

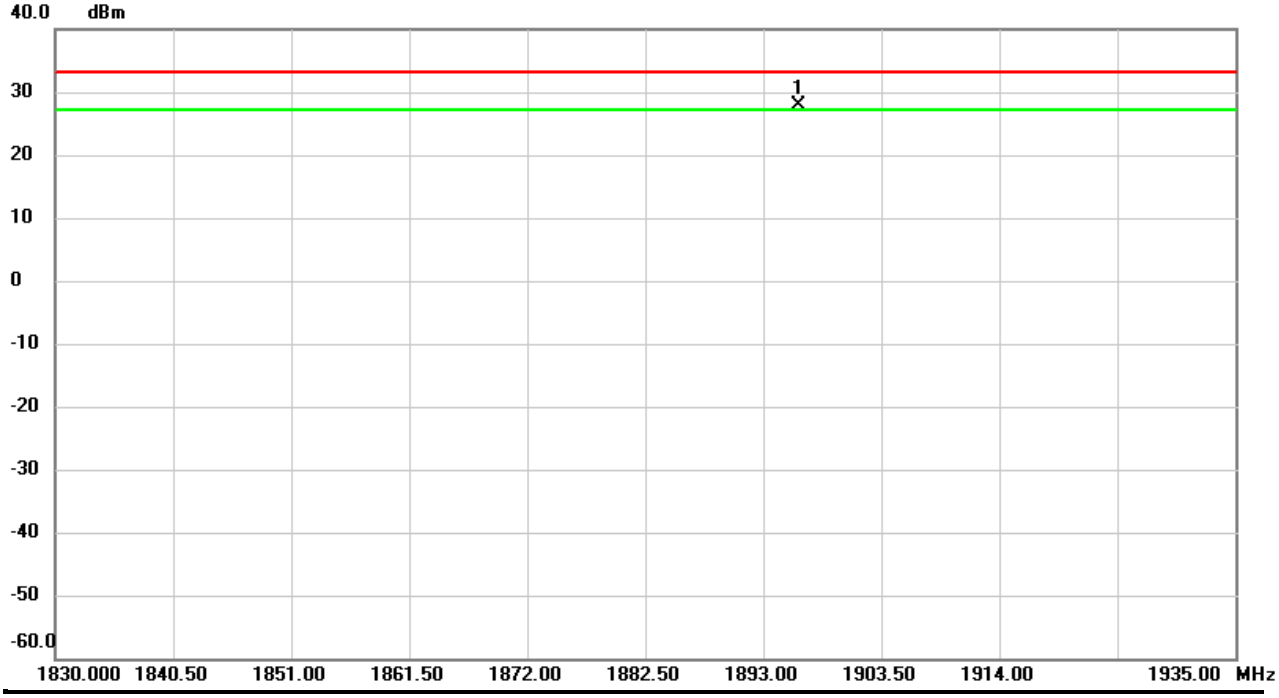
Test Mode	LTE Band 25	Test Date	2022/8/31
Test Channel	CH26365	Polarization	Horizontal
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1873.603	21.51	4.37	25.88	33.01	-7.13	peak	

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

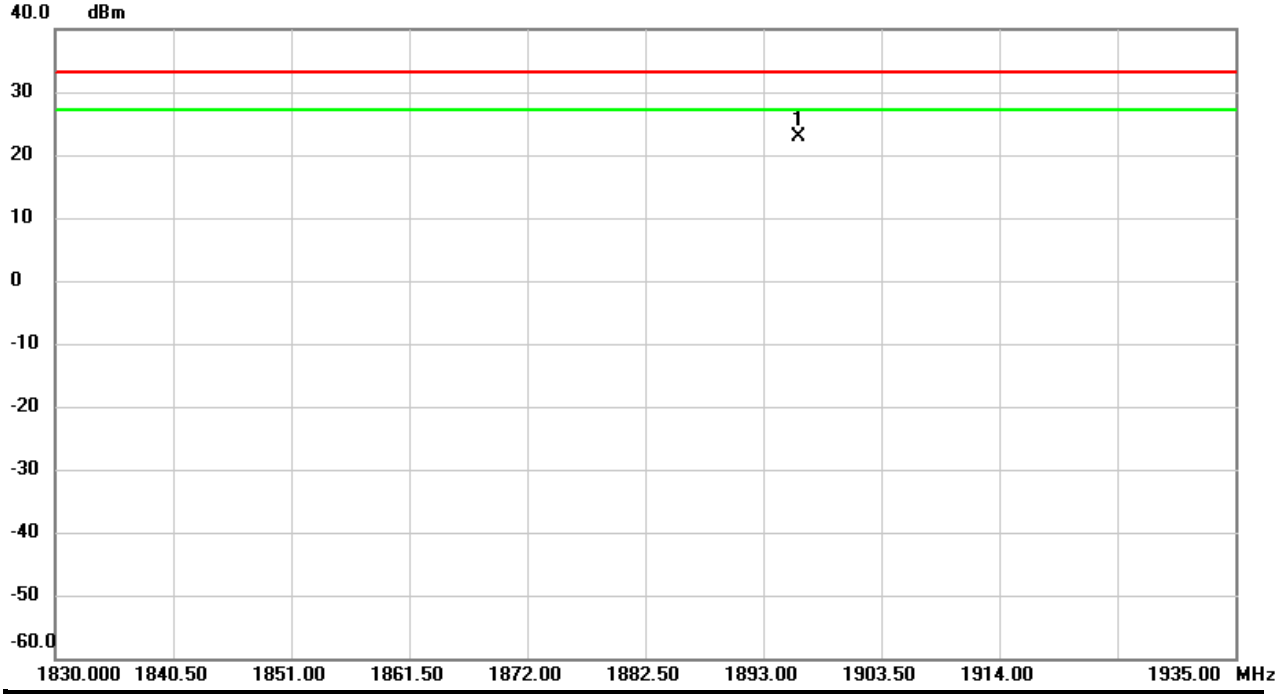
Test Mode	LTE Band 25	Test Date	2022/8/31
Test Channel	CH26590	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1896.083	23.09	4.73	27.82	33.01	-5.19	peak	

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

Test Mode	LTE Band 25	Test Date	2022/8/31
Test Channel	CH26590	Polarization	Horizontal
Temp	26°C	Hum.	60%

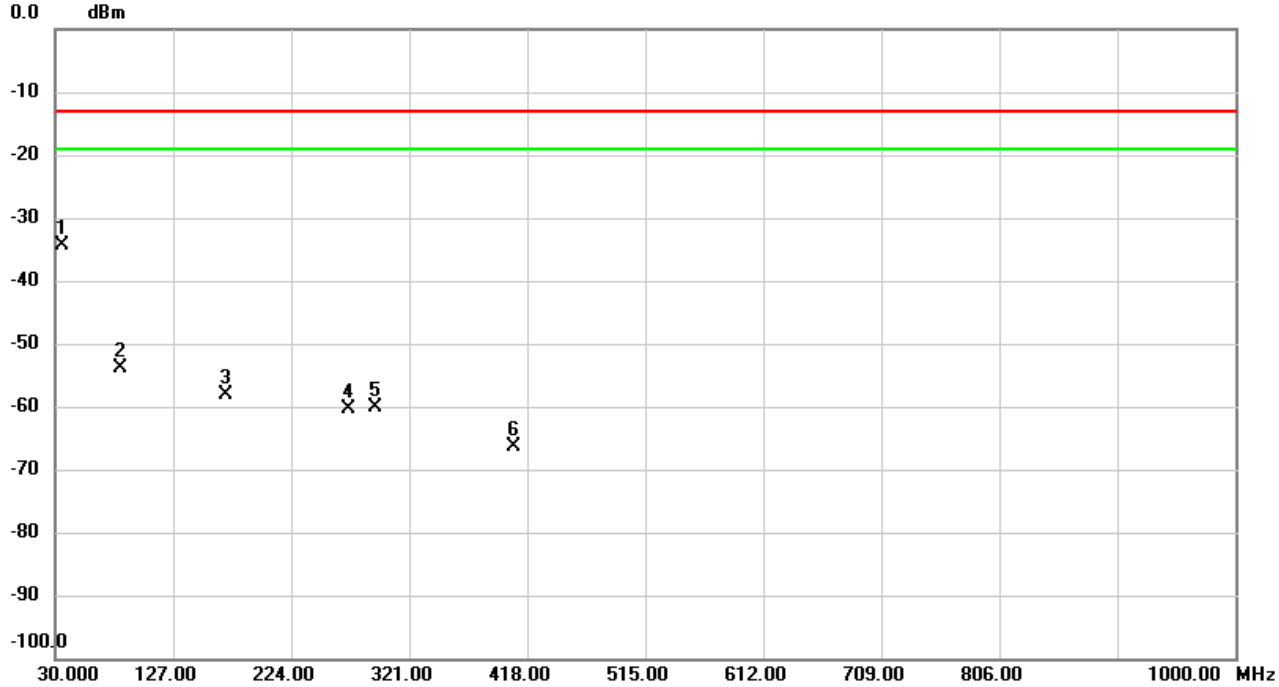


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1896.196	18.28	4.58	22.86	33.01	-10.15	peak	

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

APPENDIX C RADIATED SPURIOUS EMISSIONS

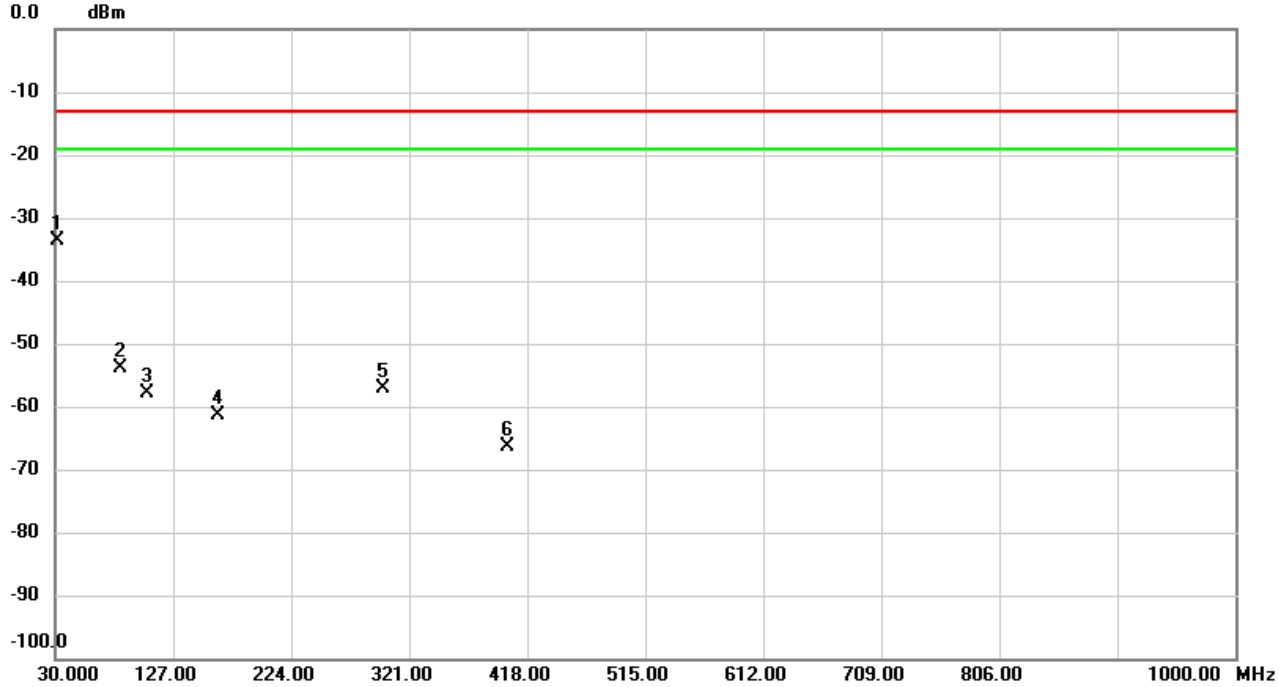
Test Mode	LTE Band 2	Test Date	2022/8/30
Test Channel	CH18900	Polarization	Vertical
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	36.0463	-56.94	22.48	-34.46	-13.00	-21.46	peak	
2		83.2530	-71.01	17.24	-53.77	-13.00	-40.77	peak	
3		170.0680	-74.78	16.71	-58.07	-13.00	-45.07	peak	
4		270.5923	-71.41	10.97	-60.44	-13.00	-47.44	peak	
5		292.8052	-69.83	9.71	-60.12	-13.00	-47.12	peak	
6		406.4246	-74.97	8.54	-66.43	-13.00	-53.43	peak	

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

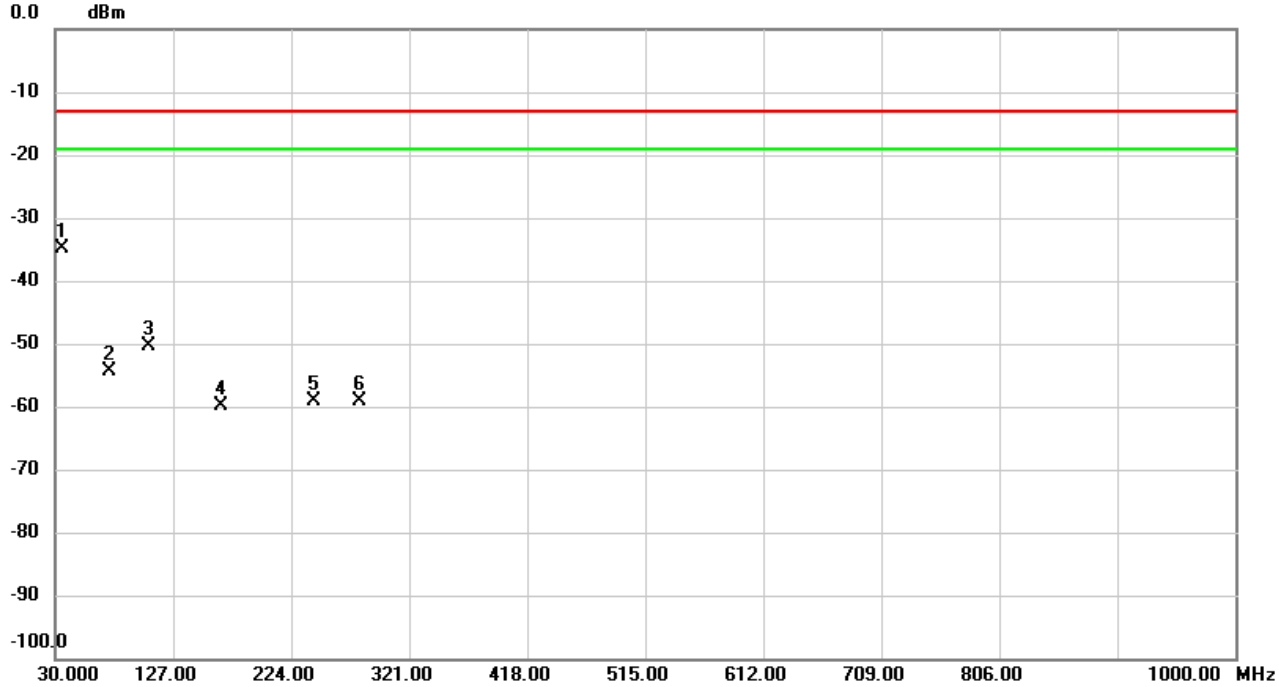
Test Mode	LTE Band 2	Test Date	2022/8/30
Test Channel	CH18900	Polarization	Horizontal
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	31.9400	-66.07	32.51	-33.56	-13.00	-20.56	peak	
2		83.8997	-69.83	16.03	-53.80	-13.00	-40.80	peak	
3		105.7570	-71.17	13.35	-57.82	-13.00	-44.82	peak	
4		164.3773	-74.23	12.76	-61.47	-13.00	-48.47	peak	
5		299.4337	-63.45	6.37	-57.08	-13.00	-44.08	peak	
6		401.8657	-74.83	8.35	-66.48	-13.00	-53.48	peak	

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

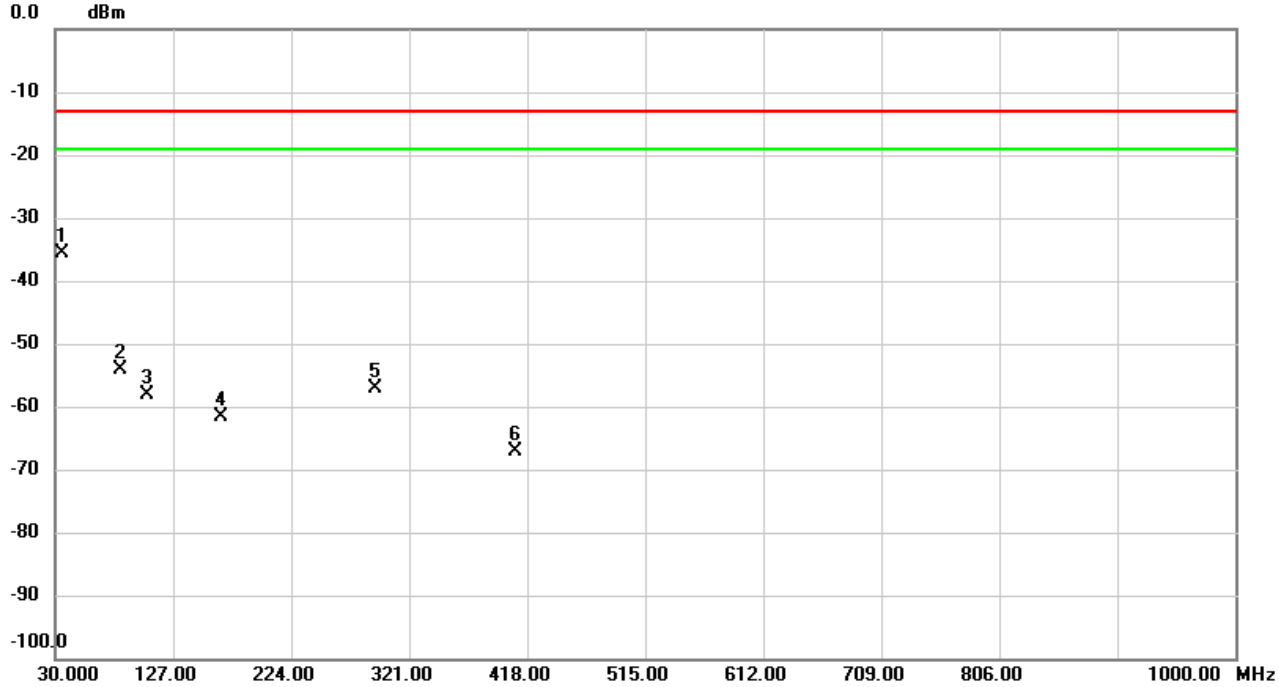
Test Mode	LTE Band 25	Test Date	2022/8/30
Test Channel	CH26365	Polarization	Vertical
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	36.3050	-57.36	22.53	-34.83	-13.00	-21.83	peak	
2		74.5553	-71.25	16.81	-54.44	-13.00	-41.44	peak	
3		107.4060	-65.60	15.24	-50.36	-13.00	-37.36	peak	
4		166.8993	-76.31	16.47	-59.84	-13.00	-46.84	peak	
5		242.6240	-72.07	12.85	-59.22	-13.00	-46.22	peak	
6		280.2277	-69.45	10.42	-59.03	-13.00	-46.03	peak	

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

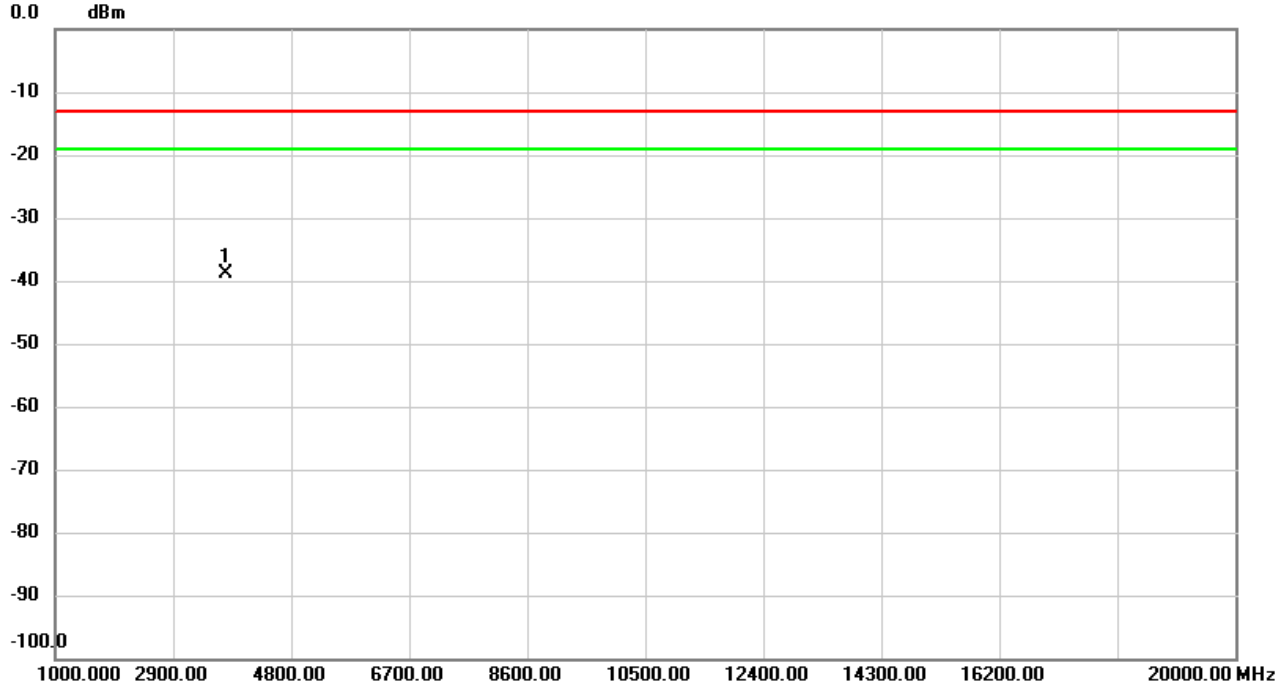
Test Mode	LTE Band 25	Test Date	2022/8/30
Test Channel	CH26365	Polarization	Horizontal
Temp	25°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	35.8522	-68.79	33.07	-35.72	-13.00	-22.72	peak	
2		83.6410	-70.23	16.06	-54.17	-13.00	-41.17	peak	
3		106.0480	-71.50	13.29	-58.21	-13.00	-45.21	peak	
4		166.9640	-74.49	12.93	-61.56	-13.00	-48.56	peak	
5		293.4520	-63.67	6.46	-57.21	-13.00	-44.21	peak	
6		408.1060	-75.27	8.27	-67.00	-13.00	-54.00	peak	

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

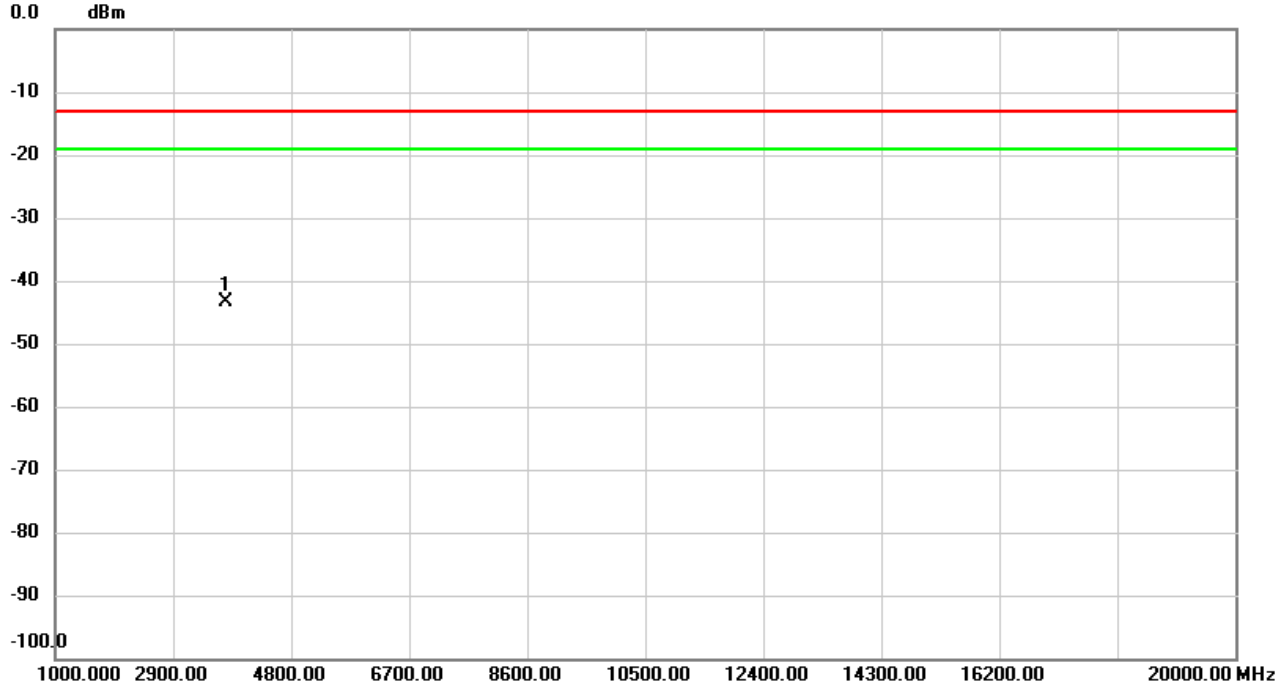
Test Mode	LTE Band 2	Test Date	2022/8/31
Test Channel	CH18900	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3751.200	-49.51	10.53	-38.98	-13.00	-25.98	peak	

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

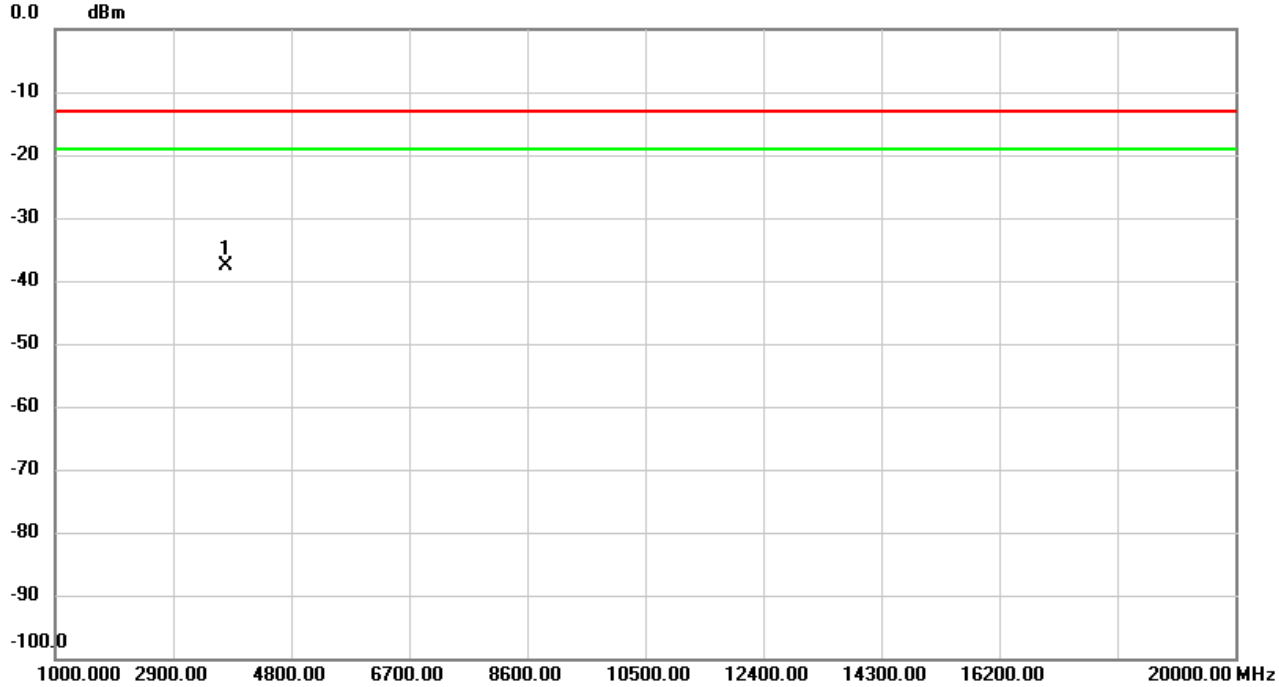
Test Mode	LTE Band 2	Test Date	2022/8/31
Test Channel	CH18900	Polarization	Horizontal
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3760.000	-53.82	10.43	-43.39	-13.00	-30.39	peak	

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

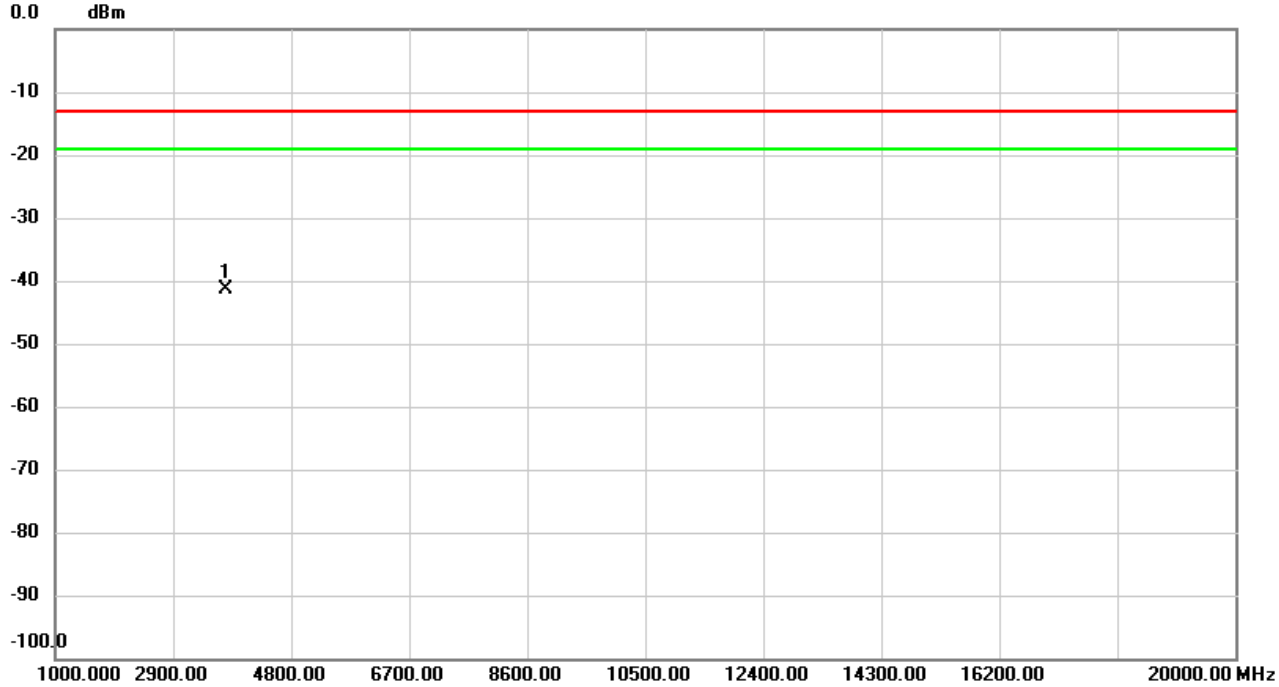
Test Mode	LTE Band 25	Test Date	2022/8/31
Test Channel	CH26365	Polarization	Vertical
Temp	26°C	Hum.	60%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3747.400	-48.18	10.52	-37.66	-13.00	-24.66	peak	

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

Test Mode	LTE Band 25	Test Date	2022/8/31
Test Channel	CH26365	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	*	3747.400	-51.63	10.38	-41.25	-13.00	-28.25	peak	

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

End of Test Report