

RF EXPOSURE EVALUATION REPORT

Application No.: GZCR2505000725AT
Applicant: Guangzhou Robustel Co., Ltd.
Address of Applicant: 501, Building #2,63 Yongan Road, Huangpu District, Guangzhou, China
Manufacturer: Guangzhou Robustel Co., Ltd.
Address of Manufacturer: 501, Building #2,63 Yongan Road, Huangpu District, Guangzhou, China
Factory: Guangzhou Robustel Co., Ltd.
Address of Factory: 501, Building #2,63 Yongan Road, Huangpu District, Guangzhou, China
Product Name: High Speed Smart 5G Router
Model No.: R5020L-A-5G-A25GL
Standard(s) : KDB 447498 D01 V06
 47 CFR Part 1.1310
Date of Receipt: 2025-05-19
Date of Evaluation: 2025-06-06
Date of Issue: 2025-06-06

Evaluation Result:	Pass*
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* In the configuration evaluated, the EUT complied with the standards specified above.

Ricky Liu

Ricky Liu
Manager



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center EEC Laboratory

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Revision Record			
Version	Report No.	Date	Remark
01	GZCR250500072505	2025-06-06	Original

Authorized for issue by:				
		Jim Li		
		Jim Li/Project Engineer		
		Vico Cui		
		Vico Cui/Reviewer		



2 Evaluation Summary

Item	Standard	Method	Requirement	Result
RF Exposure	KDB 447498 D01 V06	KDB 447498 D01 V06	47 CFR Part 1.1310	Pass

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.



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3 Contents

	Page
1 Cover Page	1
2 Evaluation Summary.....	3
3 Contents.....	4
4 General Information	5
4.1 Details of E.U.T.	5
4.2 Evaluating Location	5
4.3 Facility	6
4.4 Deviation from Standards.....	6
4.5 Abnormalities from Standard Conditions	6
5 Technical Requirements Specification	7
5.1 General Description of Applied Standards	7
5.2 RF Exposure Evaluation.....	7
5.2.1 Limit & Test Method	7
5.2.2 Conclusion	8
6 EUT Constructional Details (EUT Photos)	16



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4 General Information

4.1 Details of E.U.T.

Power supply: DC 12-36 V powered by AC/DC adapter as below:
 Model: GQ24-120150-AX
 Input: AC 100-240 V, 50/60Hz, 1.0A Max
 Output: DC 12 V, 1.5 A, 18 W

Cable(s): DC input ports
 LAN ports
 Wi-Fi antenna ports*2
 NR antenna ports*4
 Please refer to test report GZCR250500072502 for 2.4GHz Wi-Fi details

RF Parameter: Please refer to test report GZCR250500072503 for 5GHz Wi-Fi details
 Please refer to FCC ID: XMR2022RM520NGL or XMR2023RM520NGL for NR details

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Evaluating Location

All tests were performed at:
 SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
 No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou,
 Guangdong, China 510663
 Tel: +86 20 82155555
 No tests were sub-contracted.



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4.3 Facility

The facility is recognized, certified, or accredited by the following organizations:

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

4.4 Deviation from Standards

None

4.5 Abnormalities from Standard Conditions

None



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5 Technical Requirements Specification

5.1 General Description of Applied Standards

KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions,

by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

5.2 RF Exposure Evaluation

5.2.1 Limit & Test Method

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*(900/f ²)	6
30–300	61.4	0.163	1.0	6
300–1500			f/300	6
1500–100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500			f/1500	30
1500–100,000			1.0	30

F= Frequency in MHz

Friis Formula

Friis transmission formula: $P_d = (P_{out} * G) / (4 * P_i * R^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

P_i = 3.1416

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.



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5.2.2 Conclusion

Normal use condition for Distance between antenna and body: 20cm declared by applicant

For NR module 1 (FCC ID: XMR2022RM520NGL)

Band	Frequency (MHz)	Distance (m)	Max Power (dBm)	Power (W)	Ant. Gain (dBi)	Ant. Gain (Numeric)	Power density (mW/cm ²)	Limit (mW/cm ²)	Result
2.4GHz Wi-Fi	2422	0.2	19.74	0.0942	6.11	4.08	0.0765	1.00	Pass
2.4GHz Wi-Fi	2422	0.2	19.74	0.0942	5.01	3.17	0.0594	1.00	Pass
5GHz Wi-Fi	5610	0.2	9.19	0.0083	6.01	3.99	0.0066	1.00	Pass
5GHz Wi-Fi	5610	0.2	9.19	0.0083	5.41	3.48	0.0057	1.00	Pass
WCDMA Band II	1852.4	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
WCDMA Band II	1852.4	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
WCDMA Band IV	1712.4	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
WCDMA Band IV	1712.4	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
WCDMA Band V	826.4	0.2	25	0.3162	3.27	2.12	0.1336	0.55	Pass
WCDMA Band V	826.4	0.2	25	0.3162	4.00	2.51	0.1580	0.55	Pass
LTE B2/CA_2C/n2	1880	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE B2/CA_2C/n2	1880	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
LTE B4	1710.7	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE B4	1710.7	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
LTE B5/CA_5B/n5	824.7	0.2	25	0.3162	3.27	2.12	0.1336	0.55	Pass
LTE B5/CA_5B/n5	824.7	0.2	25	0.3162	4.00	2.51	0.1580	0.55	Pass
LTE B7/CA_7C/n7	2502.5	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE B7/CA_7C/n7	2502.5	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass



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Band	Frequency (MHz)	Distance (m)	Max Power (dBm)	Power (W)	Ant. Gain (dBi)	Ant. Gain (Numeric)	Power density (mW/cm ²)	Limit (mW/cm ²)	Result
LTE B12/n12	699.7	0.2	25	0.3162	3.27	2.12	0.1336	0.47	Pass
LTE B12/n12	699.7	0.2	25	0.3162	4.00	2.51	0.1580	0.47	Pass
LTE B13/n13	779.5	0.2	25	0.3162	3.27	2.12	0.1336	0.52	Pass
LTE B13/n13	779.5	0.2	25	0.3162	4.00	2.51	0.1580	0.52	Pass
LTE B14/n14	790.5	0.2	25	0.3162	3.27	2.12	0.1336	0.53	Pass
LTE B14/n14	790.5	0.2	25	0.3162	4.00	2.51	0.1580	0.53	Pass
LTE B17	706.5	0.2	25	0.3162	3.27	2.12	0.1336	0.47	Pass
LTE B17	706.5	0.2	25	0.3162	4.00	2.51	0.1580	0.47	Pass
LTE B25/n25	1850.7	0.2	28	0.6310	3.27	2.12	0.2665	1.00	Pass
LTE B25/n25	1850.7	0.2	28	0.6310	4.00	2.51	0.3153	1.00	Pass
LTE B26/n26(814-824)	814.7	0.2	25	0.3162	3.27	2.12	0.1336	0.54	Pass
LTE B26/n26(814-824)	814.7	0.2	25	0.3162	4.00	2.51	0.1580	0.54	Pass
LTE B26/n26(824-849)	824.7	0.2	25	0.3162	3.27	2.12	0.1336	0.55	Pass
LTE B26/n26(824-849)	824.7	0.2	25	0.3162	4.00	2.51	0.1580	0.55	Pass
LTE B30/n30*	2307.5	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE B30/n30*	2307.5	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
LTE B38/n38/CA_38C	2572.5	0.2	28	0.6310	3.27	2.12	0.2665	1.00	Pass
LTE B38/n38/CA_38C	2572.5	0.2	28	0.6310	4.00	2.51	0.3153	1.00	Pass
LTE B48/n48/CA_48C*	3550	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE B48/n48/CA_48C*	3550	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
LTE B41/CA_41C/n41	2498.5	0.2	28	0.6310	3.27	2.12	0.2665	1.00	Pass
LTE B41/CA_41C/n41	2498.5	0.2	28	0.6310	4.00	2.51	0.3153	1.00	Pass
LTE B42/42C(3450-3550)	3452.5	0.2	28	0.6310	3.27	2.12	0.2665	1.00	Pass
LTE B42/42C(3450-3550)	3452.5	0.2	28	0.6310	4.00	2.51	0.3153	1.00	Pass
LTE B43(3700-3800)	3702.5	0.2	28	0.6310	3.27	2.12	0.2665	1.00	Pass



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Band	Frequency (MHz)	Distance (m)	Max Power (dBm)	Power (W)	Ant. Gain (dBi)	Ant. Gain (Numeric)	Power density (mW/cm ²)	Limit (mW/cm ²)	Result
LTE B43(3700-3800)	3702.5	0.2	28	0.6310	4.00	2.51	0.3153	1.00	Pass
LTE B66/n66	1710.7	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE B66/n66	1710.7	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
NR Band n70	1997.5	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
NR Band n70	1997.5	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
LTE B71/n71	665.5	0.2	25	0.3162	3.27	2.12	0.1336	0.44	Pass
LTE B71/n71	665.5	0.2	25	0.3162	4.00	2.51	0.1580	0.44	Pass
NR Band n77	3455.01	0.2	28	0.6310	3.27	2.12	0.2665	1.00	Pass
NR Band n77	3455.01	0.2	28	0.6310	4.00	2.51	0.3153	1.00	Pass
NR Band n78	3455.01	0.2	28	0.6310	3.27	2.12	0.2665	1.00	Pass
NR Band n78	3455.01	0.2	28	0.6310	1.78	1.51	0.1891	1.00	Pass

The Wi-Fi and WCDMA/LTE/NR can be transmitted simultaneously, so the result is $0.0765/1 + 0.0066/1 + 0.158/0.44 = 0.442 < 1$ and SAR report is not required.

Note: Refer to report No. GZCR250500072502 & GZCR250500072503 and FCC ID: XMR2022RM520NGL for EUT test Max Conducted Peak Output Power value.



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For NR module 1 (FCC ID: XMR2023RM520NGL)

Band	Frequency (MHz)	Distance (m)	Max Power (dBm)	Power (W)	Ant. Gain (dBi)	Ant. Gain (Numeric)	Power density (mW/cm ²)	Limit (mW/cm ²)	Result
2.4GHz Wi-Fi	2422	0.2	19.74	0.0942	6.11	4.08	0.0765	1.00	Pass
2.4GHz Wi-Fi	2422	0.2	19.74	0.0942	5.01	3.17	0.0594	1.00	Pass
5GHz Wi-Fi	5610	0.2	9.19	0.0083	6.01	3.99	0.0066	1.00	Pass
5GHz Wi-Fi	5610	0.2	9.19	0.0083	5.41	3.48	0.0057	1.00	Pass
WCDMA Band II	1852.4	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
WCDMA Band II	1852.4	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
WCDMA Band IV	1712.4	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
WCDMA Band IV	1712.4	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
WCDMA Band V	826.4	0.2	25	0.3162	3.27	2.12	0.1336	0.55	Pass
WCDMA Band V	826.4	0.2	25	0.3162	4.00	2.51	0.1580	0.55	Pass
LTE Band 2/LTE CA_2C	1850.7	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE Band 2/LTE CA_2C	1850.7	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
LTE Band 4	1710.7	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE Band 4	1710.7	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
LTE Band 5/CA_5B	824.7	0.2	25	0.3162	3.27	2.12	0.1336	0.55	Pass
LTE Band 5/CA_5B	824.7	0.2	25	0.3162	4.00	2.51	0.1580	0.55	Pass
LTE Band 7/CA_7C	2502.5	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE Band 7/CA_7C	2502.5	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
LTE Band 12	699.7	0.2	25	0.3162	3.27	2.12	0.1336	0.47	Pass
LTE Band 12	699.7	0.2	25	0.3162	4.00	2.51	0.1580	0.47	Pass
LTE Band 13	779.5	0.2	25	0.3162	3.27	2.12	0.1336	0.52	Pass
LTE Band 13	779.5	0.2	25	0.3162	4.00	2.51	0.1580	0.52	Pass
LTE Band 14	790.5	0.2	25	0.3162	3.27	2.12	0.1336	0.53	Pass
LTE Band 14	790.5	0.2	25	0.3162	4.00	2.51	0.1580	0.53	Pass
LTE Band 17	706.5	0.2	25	0.3162	3.27	2.12	0.1336	0.47	Pass



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Band	Frequency (MHz)	Distance (m)	Max Power (dBm)	Power (W)	Ant. Gain (dBi)	Ant. Gain (Numeric)	Power density (mW/cm ²)	Limit (mW/cm ²)	Result
LTE Band 17	706.5	0.2	25	0.3162	4.00	2.51	0.1580	0.47	Pass
LTE Band 25	1850.7	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE Band 25	1850.7	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
LTE Band 26 (814-824)	814.7	0.2	25	0.3162	3.27	2.12	0.1336	0.54	Pass
LTE Band 26 (814-824)	814.7	0.2	25	0.3162	4.00	2.51	0.1580	0.54	Pass
LTE Band 26 (824-849)	824.7	0.2	25	0.3162	3.27	2.12	0.1336	0.55	Pass
LTE Band 26 (824-849)	824.7	0.2	25	0.3162	4.00	2.51	0.1580	0.55	Pass
LTE Band 30	2307.5	0.2	23	0.1995	3.27	2.12	0.0843	1.00	Pass
LTE Band 30	2307.5	0.2	23	0.1995	4.00	2.51	0.0997	1.00	Pass
LTE Band 38/LTE CA_38C	2572.5	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE Band 38/LTE CA_38C	2572.5	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
LTE Band 41/LTE CA_41C	2498.5	0.2	27	0.5012	3.27	2.12	0.2117	1.00	Pass
LTE Band 41/LTE CA_41C	2498.5	0.2	27	0.5012	4.00	2.51	0.2504	1.00	Pass
LTE Band 42(3450-3550) /LTE CA_42C	3452.5	0.2	22	0.1585	3.27	2.12	0.0669	1.00	Pass
LTE Band 42(3450-3550) /LTE CA_42C	3452.5	0.2	22	0.1585	4.00	2.51	0.0792	1.00	Pass
LTE Band 43(3700-3800)/LTE CA_43C	3702.5	0.2	22	0.1585	3.27	2.12	0.0669	1.00	Pass
LTE Band 43(3700-3800)/LTE CA_43C	3702.5	0.2	22	0.1585	4.00	2.51	0.0792	1.00	Pass



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Band	Frequency (MHz)	Distance (m)	Max Power (dBm)	Power (W)	Ant. Gain (dBi)	Ant. Gain (Numeric)	Power density (mW/cm ²)	Limit (mW/cm ²)	Result
LTE Band 48/LTE CA_48C	3552.5	0.2	22	0.1585	3.27	2.12	0.0669	1.00	Pass
LTE Band 48/LTE CA_48C	3552.5	0.2	22	0.1585	4.00	2.51	0.0792	1.00	Pass
LTE Band 66/LTE CA_66B/LTE CA_66C	1710.7	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
LTE Band 66/LTE CA_66B/LTE CA_66C	1710.7	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
LTE Band 71	665.5	0.2	25	0.3162	3.27	2.12	0.1336	0.44	Pass
LTE Band 71	665.5	0.2	25	0.3162	4.00	2.51	0.1580	0.44	Pass
NR Band n2	182.5	0.2	25	0.3162	3.27	2.12	0.1336	0.20	Pass
NR Band n2	182.5	0.2	25	0.3162	4.00	2.51	0.1580	0.20	Pass
NR Band n5	826.5	0.2	25	0.3162	3.27	2.12	0.1336	0.55	Pass
NR Band n5	826.5	0.2	25	0.3162	4.00	2.51	0.1580	0.55	Pass
NR Band n7	2502.5	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
NR Band n7	2502.5	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
NR Band n12	701.5	0.2	25	0.3162	3.27	2.12	0.1336	0.47	Pass
NR Band n12	701.5	0.2	25	0.3162	4.00	2.51	0.1580	0.47	Pass
NR Band n13	779.5	0.2	25	0.3162	3.27	2.12	0.1336	0.52	Pass
NR Band n13	779.5	0.2	25	0.3162	4.00	2.51	0.1580	0.52	Pass
NR Band n14	790.5	0.2	25	0.3162	3.27	2.12	0.1336	0.53	Pass
NR Band n14	790.5	0.2	25	0.3162	4.00	2.51	0.1580	0.53	Pass
NR Band n25	1852.5	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
NR Band n25	1852.5	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
NR Band n26(814-824)	816.5	0.2	25	0.3162	3.27	2.12	0.1336	0.54	Pass
NR Band n26(814-824)	816.5	0.2	25	0.3162	4.00	2.51	0.1580	0.54	Pass
NR Band n26(824-849)	826.5	0.2	25	0.3162	3.27	2.12	0.1336	0.55	Pass
NR Band n26(824-849)	826.5	0.2	25	0.3162	4.00	2.51	0.1580	0.55	Pass
NR Band n30	2307.5	0.2	23	0.1995	3.27	2.12	0.0843	1.00	Pass
NR Band n30	2307.5	0.2	23	0.1995	4.00	2.51	0.0997	1.00	Pass
NR Band n38	2575	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass



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Band	Frequency (MHz)	Distance (m)	Max Power (dBm)	Power (W)	Ant. Gain (dBi)	Ant. Gain (Numeric)	Power density (mW/cm ²)	Limit (mW/cm ²)	Result
NR Band n38	2575	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
NR Band n38(MIMO)	2575	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
NR Band n38(MIMO)	2575	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
NR Band n41	2506	0.2	27.5	0.5623	3.27	2.12	0.2375	1.00	Pass
NR Band n41	2506	0.2	27.5	0.5623	4.00	2.51	0.2810	1.00	Pass
NR Band n41(MIMO)	2506	0.2	27.5	0.5623	3.27	2.12	0.2375	1.00	Pass
NR Band n41(MIMO)	2506	0.2	27.5	0.5623	4.00	2.51	0.2810	1.00	Pass
NR Band n48	3555	0.2	22	0.1585	3.27	2.12	0.0669	1.00	Pass
NR Band n48	3555	0.2	22	0.1585	4.00	2.51	0.0792	1.00	Pass
NR Band n48(MIMO)	3555	0.2	22	0.1585	3.27	2.12	0.0669	1.00	Pass
NR Band n48(MIMO)	3555	0.2	22	0.1585	4.00	2.51	0.0792	1.00	Pass
NR Band n66	1712.5	0.2	25	0.3162	3.27	2.12	0.1336	1.00	Pass
NR Band n66	1712.5	0.2	25	0.3162	4.00	2.51	0.1580	1.00	Pass
NR Band n70	1697.5	0.2	24	0.2512	3.27	2.12	0.1061	1.00	Pass
NR Band n70	1697.5	0.2	24	0.2512	4.00	2.51	0.1255	1.00	Pass
NR Band n71	665.5	0.2	25	0.3162	3.27	2.12	0.1336	0.44	Pass
NR Band n71	665.5	0.2	25	0.3162	4.00	2.51	0.1580	0.44	Pass
NR Band n77(3450-3550)	3455	0.2	27.5	0.5623	3.27	2.12	0.2375	1.00	Pass
NR Band n77(3450-3550)	3455	0.2	27.5	0.5623	4.00	2.51	0.2810	1.00	Pass
NR Band n77(3450-3550)(MIMO)	3455	0.2	27.5	0.5623	3.27	2.12	0.2375	1.00	Pass
NR Band n77(3450-3550)(MIMO)	3455	0.2	27.5	0.5623	4.00	2.51	0.2810	1.00	Pass
NR Band n77(3700-3980)	3707.5	0.2	27.5	0.5623	3.27	2.12	0.2375	1.00	Pass
NR Band n77(3700-3980)	3707.5	0.2	27.5	0.5623	4.00	2.51	0.2810	1.00	Pass



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Band	Frequency (MHz)	Distance (m)	Max Power (dBm)	Power (W)	Ant. Gain (dBi)	Ant. Gain (Numeric)	Power density (mW/cm ²)	Limit (mW/cm ²)	Result
NR Band n77(3700-3980)(MIMO)	3707.5	0.2	27.5	0.5623	3.27	2.12	0.2375	1.00	Pass
NR Band n77(3700-3980)(MIMO)	3707.5	0.2	27.5	0.5623	4.00	2.51	0.2810	1.00	Pass
NR Band n78(3450-3550)	3455	0.2	27.5	0.5623	3.27	2.12	0.2375	1.00	Pass
NR Band n78(3450-3550)	3455	0.2	27.5	0.5623	4.00	2.51	0.2810	1.00	Pass
NR Band n78(3450-3550)(MIMO)	3455	0.2	27.5	0.5623	3.27	2.12	0.2375	1.00	Pass
NR Band n78(3450-3550)(MIMO)	3455	0.2	27.5	0.5623	4.00	2.51	0.2810	1.00	Pass
NR Band n78(3700-3800)	3707.5	0.2	27.5	0.5623	3.27	2.12	0.2375	1.00	Pass
NR Band n78(3700-3800)	3707.5	0.2	27.5	0.5623	4.00	2.51	0.2810	1.00	Pass
NR Band n78(3700-3800)(MIMO)	3707.5	0.2	27.5	0.5623	3.27	2.12	0.2375	1.00	Pass
NR Band n78(3700-3800)(MIMO)	3707.5	0.2	27.5	0.5623	4.00	2.51	0.2810	1.00	Pass

The Wi-Fi and WCDMA/LTE/NR can be transmitted simultaneously, so the result is $0.0765/1 + 0.0066/1 + 0.158/0.44 = 0.442 < 1$ and SAR report is not required.

Note: Refer to report No. GZCR250500072502 & GZCR250500072503 and FCC ID: XMR2023RM520NGL for EUT test Max Conducted Peak Output Power value.



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6 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for GZCR2505000725AT

- End of the Report -

