RF EXPOSURE EVALUATION REPORT

Application No.:	SZCR2404001514AT
Applicant:	Quectel Wireless Solutions Company Limited
Address of Applicant:	Building 5, Shanghai Business Park PhaseIII (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233 China
Manufacturer:	Quectel Wireless Solutions Company Limited
Address of Manufacturer:	Building 5, Shanghai Business Park PhaseIII (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233 China
Equipment Under Test (EUT):	
EUT Name:	5G RedCap Sub-6 GHz Module
Model No.:	RG255C-GL
Trade Mark:	QUECTEL
FCC ID:	XMR2024RG255CGL
Standard(s) :	FCC Rules 47 CFR §2.1091
	KDB 447498 D04 interim General RF Exposure Guidance v01
Date of Receipt:	2024-04-24
Date of Evaluation:	2024-05-12 to 2024-06-15
Date of Issue:	2024-06-19
Evaluation Result:	**Pass***

* In the configuration evaluated, the EUT complied with the standards specified above.

Keny Xu
EMC Laboratory Manager

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Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2024-06-19		Original

Authorized for issue by:				
		Leo Lai **Leo Lai/Project Engineer**		
		Eric Fu **Eric Fu/Reviewer**		

2 Contents

3 General Information

3.1 General Description of E.U.T.

Product Type:	☐ Portable device
	☒ Mobile device
	☐ Fixed device

3.2 Details of E.U.T.

Power supply:	Power from the Mainboard: Mainboard Power by DC 5V 2A from DC Port. Adapter model: P12F050200 Input: 100-240V~50/60Hz, 0.3A Output: DC 5V2A
Cable Loss (for RF conducted test):	1dB

Characteristics	Description		
Radio System Type	☒ LTE		
Modulation Type	QPSK, 16QAM, 64QAM, 256QAM		
Supported Frequency Range	Band	TX	RX
	LTE Band 2	1850 to 1910 MHz	1930 to 1990 MHz
	LTE Band 4	1710 to 1755 MHz	2110 to 2155 MHz
	LTE Band 5	824 to 849 MHz	869 to 894 MHz
	LTE Band 7	2500 to 2570 MHz	2620 to 2690 MHz
	LTE Band 12	699 to 716 MHz	729 to 746 MHz
	LTE Band 13	777 to 787 MHz	746 to 756 MHz
	LTE Band 14	788 to 798 MHz	758 to 768 MHz
	LTE Band 17	704 to 716 MHz	734 to 746 MHz
	LTE Band 25	1850 to 1915MHz	1930 to 1995 MHz
	LTE Band 26 (814 to 824 MHz)	814 to 824MHz	859 to 869 MHz
	LTE Band 26 (824 to 849 MHz)	824 to 849 MHz	869 to 894 MHz
	LTE Band 30	2305 to 2315 MHz	2350 to 2360 MHz
	LTE Band 38	2570 to 2620 MHz	2570 to 2620 MHz

	LTE Band 41	2496 to 2690MHz		2496 to 2690MHz	
	LTE Band 42	3450 to 3550 MHz		3450 to 3550 MHz	
	LTE Band 42_ Part96	3550 to 3600 MHz		3550 to 3600 MHz	
	LTE Band 43	3700 to 3800 MHz		3700 to 3800 MHz	
	LTE Band 43_ Part96	3600 to 3700 MHz		3600 to 3700 MHz	
	LTE Band 48	3550 to 3700 MHz		3550 to 3700 MHz	
	LTE Band 66	1710 to 1780 MHz		2110 to 2200 MHz	
	LTE Band 70	1695 to 1710 MHz		1995 to 2020 MHz	
	LTE Band 71	663 to 698 MHz		617 to 652 MHz	
Supported Channel Bandwidth	LTE Band 2	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
		☒15 MHz	☒20 MHz		
	LTE Band 4	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
		☒15 MHz	☒20 MHz		
	LTE Band 5	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
	LTE Band 7	☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	LTE Band 12	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
	LTE Band 13	☒5 MHz	☒10 MHz		
	LTE Band 14	☒5 MHz	☒10 MHz		
	LTE Band 17	☒5 MHz	☒10 MHz		
	LTE Band 25	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
		☒15 MHz	☒20 MHz		
	LTE Band 26(814-824)	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
	LTE Band 26(824-849)	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
		☒15 MHz			
	LTE Band30	☒5 MHz	☒10 MHz		
	LTE Band38	☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	LTE Band41	☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	LTE Band42	☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	LTE Band43	☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	LTE Band48	☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	LTE Band66	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
		☒15MHz	☒20MHz		
	LTE Band70	☒5MHz	☒10MHz	☒15MHz	

	LTE Band71	☒5MHz	☒10MHz	☒15MHz	☒20MHz

Antenna Type:	☒ External, ☐ Integrated
HPUE Power Class:	Class 3 Class 2: LTE Band 38, 41, 42, 43
Antenna Gain:	B2: 1.8dBi, B17: -0.5dBi, B43: -7.10dBi B4: 1.2dBi, B25: 1.8dBi, B48: -6.12dBi B5: 0.3dBi, B26: 0.3dBi, B66: 1.5dBi B7: 1.4dBi, B30: -5.7dBi, B70: 1.1dBi B12: -0.5dBi, B38: 1.4dBi, B71: -0.9dBi B13: -0.7dBi, B41: 1.4dBi B14: -0.5dBi, B42: -2.01dBi
	Note: The antenna gain are derived from the gain information report provided by the manufacturer.

Characteristics	Description		
Radio System Type	☒ SA ☐ NSA		
Modulation Type	DFT-s-Pi/2-BPSK, DFT-s-QPSK, DFT-s-16QAM, DFT-s-64QAM, DFT-s-256QAM, CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM		
Supported Frequency Range	Band	TX	RX
	NR Band n2	1850 to 1910 MHz	1930 to 1990 MHz
	NR Band n5	824 to 849 MHz	869 to 894 MHz
	NR Band n7	2500 to 2570 MHz	2620 to 2690 MHz
	NR Band n12	699 to 716 MHz	729 to 746 MHz
	NR Band n13	777 to 787 MHz	746 to 756 MHz
	NR Band n14	788 to 798 MHz	758 to 768 MHz
	NR Band n25	1850 to 1915MHz	1930 to 1995 MHz
	NR Band n26 (814 to 824 MHz)	814 to 824MHz	859 to 869 MHz
	NR Band n26 (824 to 849 MHz)	824 to 849 MHz	869 to 894 MHz
	NR Band n30	2305 to 2315 MHz	2350 to 2360 MHz
	NR Band n38	2570 to 2620 MHz	2570 to 2620 MHz
	NR Band n41	2496 to 2690 MHz	2496 to 2690 MHz

	NR Band n66	1710 to 1780 MHz		2110 to 2200 MHz	
	NR Band n70	1695 to 1710 MHz		1995 to 2020 MHz	
	NR Band n71	663 to 698 MHz		617 to 652 MHz	
	NR Band n77	3700 to 3980 MHz		3700 to 3980 MHz	
		3450 to 3550 MHz		3450 to 3550 MHz	
	NR Band n78	3700 to 3800 MHz		3700 to 3800 MHz	
		3450 to 3550 MHz		3450 to 3550 MHz	
Supported Channel Bandwidth	NR Band n2	SCS 15kHz:			
		☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	NR Band n5	SCS 15kHz:			
		☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	NR Band n7	SCS 15kHz:			
		☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	NR Band n12	SCS 15kHz:			
		☒5 MHz	☒10 MHz	☒15 MHz	
	NR Band n13	SCS 15kHz:			
		☒5 MHz	☒10 MHz		
	NR Band n14	SCS 15kHz:			
		☒5 MHz	☒10 MHz		
	NR Band n25	SCS 15kHz:			
		☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	NR Band n26 (814 to 824 MHz)	SCS 15kHz:			
		☒5 MHz	☒10 MHz		
	NR Band n26 (824 to 849 MHz)	SCS 15kHz:			
		☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	NR Band n30	SCS 15kHz:			
		☒5 MHz	☒10 MHz		
	NR Band n38	SCS 30kHz:			
		☒10 MHz	☒15 MHz	☒20 MHz	
	NR Band n41	SCS 30kHz:			
		☒10 MHz	☒15 MHz	☒20 MHz	
	NR Band n66	SCS 15kHz:			
		☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz

	NR Band n70	SCS 15kHz:			
		☒5 MHz	☒10 MHz	☒15 MHz	
	NR Band n71	SCS 15kHz:			
		☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	NR Band n77	SCS 30kHz			
		☒10 MHz	☒15 MHz	☒20 MHz	
	NR Band n78	SCS 30kHz			
		☒10 MHz	☒15 MHz	☒20 MHz	
HPUE Power Class:	Class 3 Class 2: NR Band 38, 41, 77, 78				
Antenna Type:	☒ External, ☐ Integrated				
Antenna Gain:	n2: 1.8dBi n5: 0.3dBi n7: 1.4dBi n12: -0.5dBi n13: -0.7dBi n14: -0.5dBi n25: 1.8dBi	n26: 0.3dBi n30: -5.7dBi n38: 1.4dBi n41: 1.4dBi n66: 1.5dBi n70: 1.1dBi	n71: -0.9dBi n77: -0.64dBi n78: -0.64dBi		

3.3 Separation Distance

Minimum test separation distance:	20cm
Remark: This minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander.	

3.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

3.5 Test Facility

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

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

3.6 Deviation from Standards

None

3.7 Abnormalities from Standard Conditions

None

4 FCC Radiofrequency radiation exposure limits

Test exemptions apply for devices used in general population/uncontrolled exposure environments, according to the SAR-based, or MPE-based exemption thresholds.

4.1 Blanket 1 mW Blanket Exemption

The 1 mW Blanket Exemption of §1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

The 1-mW blanket exemption applies at separation distances less than 0.5 cm, including where there is no separation. This exemption shall not be used in conjunction with other exemption criteria other than those for multiple RF sources in paragraph §1.1307(b)(3)(ii)(A).

The 1-mW exemption is independent of service type and covers the full range of 100 kHz to 100 GHz, but it shall not be used in conjunction with other exemption criteria or in devices with higher-power transmitters operating in the same time-averaging period. Exposure from such higher-power transmitters would invalidate the underlying assumption that exposure from the lower-power transmitter is the only contributor to SAR in the relevant volume of tissue.

4.2 MPE-based Exemption

General frequency and separation-distance dependent MPE-based effective radiated power (ERP) thresholds are in Table B.1 [Table 1 of §1.1307(b)(1)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table B.1—Thresholds For Single RF Sources Subject to Routine Environmental Evaluation

RF Source Frequency			Minimum Distance			Threshold ERP
f_L MHz		f_H MHz	$\lambda_L / 2\pi$		$\lambda_H / 2\pi$	W
0.3	–	1.34	159 m	–	35.6 m	1,920 R^2
1.34	–	30	35.6 m	–	1.6 m	3,450 R^2/f^2
30	–	300	1.6 m	–	159 mm	3.83 R^2
300	–	1,500	159 mm	–	31.8 mm	0.0128 R^2f
1,500	–	100,000	31.8 mm	–	0.5 mm	19.2R^2
Subscripts L and H are low and high; λ is wavelength. From §1.1307(b)(3)(i)(C), modified by adding Minimum Distance columns.						

The table applies to any RF source (i.e. single fixed, mobile, and portable transmitters) and specifies power and distance criteria for each of the five frequency ranges used for the MPE limits. These criteria apply at separation distances from any part of the radiating structure of at least λ/2π. The thresholds are

based on the general population MPE limits with a single perfect reflection, outside of the reactive near-field, and in the main beam of the radiator.

For mobile devices that are not exempt per Table B.1 [Table 1 of §1.1307(b)(1)(i)(C)] at distances from 20 cm to 40 cm and in 0.3 GHz to 6 GHz, evaluation of compliance with the exposure limits in §1.1310 is necessary if the ERP of the device is greater than ERP_{20cm} in Formula (B.1) [repeated from §2.1091(c)(1); also in §1.1307(b)(1)(i)(B)].

$$P_{th}\,(\mathrm{mW}) = ERP_{20\,cm}\,(\mathrm{mW}) = \begin{cases} 2040f & 0.3\ \mathrm{GHz} \le f < 1.5\ \mathrm{GHz} \\ 3060 & 1.5\ \mathrm{GHz} \le f \le 6\ \mathrm{GHz} \end{cases} \qquad (\mathrm{B.1})$$

If the ERP is not easily obtained, then the available maximum time-averaged power may be used (i.e., without consideration of ERP only if the physical dimensions of the radiating structure(s) do not exceed the electrical length of λ/4 or if the antenna gain is less than that of a half-wave dipole.

SAR-based exemptions are constant at separation distances between 20 cm and 40 cm to avoid discontinuities in the threshold when transitioning between SAR-based and MPE-based exemption criteria at 40 cm, considering the importance of reflections.

Limit calculation			
Frequency range	Frequency(MHz)	R(λ/2π)(m)	Threshold ERP(W)
300~1500MHz	**915**	0.0522	0.032
1500~100000MHz	**2480**	0.0193	0.007

4.3 SAR-based Exemption

SAR-based thresholds are derived based on frequency, power, and separation distance of the RF source. The formula defines the thresholds in general for either available maximum time-averaged power or maximum time-averaged ERP, whichever is greater.

If the ERP of a device is not easily determined, such as for a portable device with a small form factor, the applicant may use the available maximum time-averaged power exclusively if the device antenna or radiating structure does not exceed an electrical length of λ/4.

As for devices with antennas of length greater than λ/4 where the gain is not well defined, but always less than that of a half-wave dipole (length λ/2), the available maximum time-averaged power generated by the device may be used in place of the maximum time-averaged ERP, where that value is not known.

The separation distance is the smallest distance from any part of the antenna or radiating structure for all persons, during operation at the applicable ERP. In the case of mobile or portable devices, the separation distance is from the outer housing of the device where it is closest to the antenna.

The SAR-based exemption formula of §1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula (B.2).

$$P_{\text{th}}\ (\text{mW}) = \begin{cases} ERP_{20\ \text{cm}}(d/20\ \text{cm})^{x} & d \le 20\ \text{cm} \\ ERP_{20\ \text{cm}} & 20\ \text{cm} < d \le 40\ \text{cm} \end{cases} \quad \text{(B.2)}$$

where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\ \text{cm}}\sqrt{f}}\right)$$

and f is in GHz, d is the separation distance (cm), and ERP_{20cm} is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance(mm)									
	5	10	15	20	25	30	35	40	45	50
300	39	65	88	110	129	148	166	184	201	217
450	22	44	67	89	112	135	158	180	203	226
835	9	25	44	66	90	116	145	175	207	240
1900	3	12	26	44	66	92	122	157	195	236
2450	3	10	22	38	59	83	111	143	179	219
3600	2	8	18	32	49	71	96	125	158	195
5800	1	6	14	25	40	58	80	106	136	169

Limit calculation				
Frequency range(GHz)	Frequency(GHz)	X	Distance(cm)	Pth (mW)
0.3~1.5	**0.915**	1.474	**0.5**	**8.133**
1.5~6	**2.48**	1.905	**0.5**	**2.717**

5 Measurement and Calculation

5.1 Maximum transmit power

Operating Band	Frequency (MHz)	Antenna Gain (dBi)	Max Conducted Power (dBm)	EIRP(ERP) (dBm)	EIRP(ERP) Limit (dBm)	Power Density at R = 20 cm (mW/cm2)	Limit (mW/cm2)	Gain according to EIRP(ERP) (dBi)	Gain according to Pd (dBi)	Max Gain Allowed (dBi)	conclusion
LTE Band 2	1850.7	1.80	25.00	26.80	33.00	0.0952	1.0000	8.00	12.01	8.00	Pass
LTE Band 4	1710.7	1.20	25.00	26.20	30.00	0.0829	1.0000	5.00	12.01	5.00	Pass
LTE Band 5	824.7	0.30	25.00	23.15	38.45	0.0674	0.5498	15.60	9.41	9.41	Pass
LTE Band 7	2502.5	1.40	25.00	26.40	33.00	0.0868	1.0000	8.00	12.01	8.00	Pass
LTE Band 12	699.7	-0.50	25.00	22.35	34.77	0.0561	0.4665	11.92	8.70	8.70	Pass
LTE Band 13	779.5	-0.70	25.00	22.15	34.77	0.0535	0.5197	11.92	9.16	9.16	Pass
LTE Band 14	790.5	-0.50	25.00	22.35	34.77	0.0561	0.5270	11.92	9.23	9.23	Pass
LTE Band 17	706.5	-0.50	25.00	22.35	34.77	0.0561	0.4710	11.92	8.74	8.74	Pass
LTE Band 25	1850.7	1.80	25.00	26.80	33.00	0.0952	1.0000	8.00	12.01	8.00	Pass
LTE Band 26 (814 ~824)	814.7	0.30	25.00	23.15	NA	0.0674	0.5431	NA	9.36	9.36	Pass
LTE Band 26 (824~849)	824.7	0.30	25.00	23.15	38.45	0.0674	0.5498	15.60	9.41	9.41	Pass
LTE Band 30	2307.5	-5.70	24.00	18.30	23.98	0.0135	1.0000	-0.02	13.01	-0.02	Pass
LTE Band 38	2572.5	1.40	28.00	29.40	33.00	0.1733	1.0000	5.00	9.01	5.00	Pass
LTE Band 41	2498.5	1.40	28.00	29.40	33.00	0.1733	1.0000	5.00	9.01	5.00	Pass
LTE Band 42	3452.5	-2.01	28.00	25.99	30.00	0.0790	1.0000	2.00	9.01	2.00	Pass
LTE Band 42 _Part96	3552.5	-6.12	28.00	21.88	23.00	0.0307	1.0000	-5.00	9.01	-5.00	Pass
LTE Band 43	3702.5	-7.10	28.00	20.90	30.00	0.0245	1.0000	2.00	9.01	2.00	Pass
LTE Band 43_ Part96	3602.5	-6.12	28.00	21.88	23.00	0.0307	1.0000	-5.00	9.01	-5.00	Pass
LTE Band 48	3552.5	-6.12	25.00	18.88	23.00	0.0154	1.0000	-2.00	12.01	-2.00	Pass
LTE Band 66	1710.7	1.50	25.00	26.50	30.00	0.0889	1.0000	5.00	12.01	5.00	Pass
LTE Band 70	1697.5	1.10	25.00	26.10	30.00	0.0810	1.0000	5.00	12.01	5.00	Pass
LTE Band 71	665.5	-0.90	25.00	21.95	34.77	0.0511	0.4437	11.92	8.48	8.48	Pass

Operating Band	Frequency (MHz)	Antenna Gain (dBi)	Max Conducted Power (dBm)	EIRP(ERP) (dBm)	EIRP(ERP) Limit (dBm)	Power Density at R = 20 cm (mW/cm2)	Limit (mW/cm2)	Gain according to EIRP(ERP) (dBi)	Gain according to Pd (dBi)	Max Gain Allowed (dBi)	conclusion
NR Band n2	1852.5	1.80	25.00	26.80	33.00	0.0952	1.0000	8.00	12.01	8.00	Pass
NR Band n5	826.5	0.30	25.00	23.15	38.45	0.0674	0.5510	15.60	9.42	9.42	Pass
NR Band n7	2502.5	1.40	25.00	26.40	33.00	0.0868	1.0000	8.00	12.01	8.00	Pass
NR Band n12	701.5	-0.50	25.00	22.35	34.77	0.0561	0.4677	11.92	8.71	8.71	Pass
NR Band n13	779.5	-0.70	25.00	22.15	34.77	0.0535	0.5197	11.92	9.16	9.16	Pass
NR Band n14	790.5	-0.50	25.00	22.35	34.77	0.0561	0.5270	11.92	9.23	9.23	Pass
NR Band n25	1852.5	1.80	25.00	26.80	33.00	0.0952	1.0000	8.00	12.01	8.00	Pass
NR Band n26 (814-824)	816.5	0.30	25.00	23.15	NA	0.0674	0.5443	NA	9.37	9.37	Pass
NR Band n26 (824-849)	826.5	0.30	25.00	23.15	38.45	0.0674	0.5510	15.60	9.42	9.42	Pass
NR Band n30	2307.5	-5.70	24.00	18.30	23.98	0.0135	1.0000	-0.02	13.01	-0.02	Pass
NR Band n38	2580.0	1.40	28.00	29.40	33.00	0.1733	1.0000	5.00	9.01	5.00	Pass
NR Band n41	2506.02	1.40	28.00	29.40	33.00	0.1733	1.0000	5.00	9.01	5.00	Pass
NR Band n66	1712.5	1.50	25.00	26.50	30.00	0.0889	1.0000	5.00	12.01	5.00	Pass
NR Band n70	1697.5	1.10	25.00	26.10	30.00	0.0810	1.0000	5.00	12.01	5.00	Pass
NR Band n71	665.5	-0.90	25.00	21.95	34.77	0.0511	0.4437	11.92	8.48	8.48	Pass
NR Band n77 (3450-3550)	3460.02	-0.64	28.00	27.36	30.00	0.1083	1.0000	2.00	9.01	2.00	Pass
NR Band n77 (3700-3980)	3710.01	-0.64	28.00	27.36	30.00	0.1083	1.0000	2.00	9.01	2.00	Pass
NR Band n78 (3450-3550)	3710.01	-0.64	28.00	27.36	30.00	0.1083	1.0000	2.00	9.01	2.00	Pass
NR Band n78 (3700-3800)	3460.02	-0.64	28.00	27.36	30.00	0.1083	1.0000	2.00	9.01	2.00	Pass

Note: Refer to the Tune up procedure for EUT test Max Power Value.

The distance r calculated from the Fries transmission formula is far greater than 20 cm separation requirement.

5.2 RF Exposure Calculation

Remark: we used the maximum power between the conducted power and ERP/EIRP to perform RF exposure exemption evaluation.

Standalone:

	Evaluation method	Exempt Limit(mW)	Verdict
☐	Blanket 1 mW Blanket Exemption	1mW	N/A
☐	MPE-based Exemption(ERP)	7mW(ERP)	N/A
☒	SAR-based Exemption(P_{th})	3060	Yes

So, the device is to qualify for SAR test exemption, the exemption report is in lieu of the SAR report.

--End of the Report--