



**中认信通**

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



# **RF EXPOSURE EVALUATION REPORT**

**Applicant: QUANZHOU BINQI ELECTRONIC TECHNOLOGY  
CO.LTD**

**Address:** No.132 Xianguang Si, Xiamei Village, Xiamei Town, Nan'an city ,Quanzhou  
City ,Fujian ,China

**FCC ID: 2BNNE-BQ-8900**

**Product Name: 4G LTE POC RADIO**

**Standard(s): 47 CFR §1.1307**

The above equipment has been tested and found compliant with the requirement of the relative standards  
by China Certification ICT Co., Ltd (Dongguan)

**Report Number: 2503R36295E-RF-00C**

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### **Test Facility**

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

### **Declarations**

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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Each test item follows the test standard(s) without deviation.

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**DOCUMENT REVISION HISTORY**

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2503R36295E-RF-00C	Original Report	2025/5/16

# 1. RF EXPOSURE EVALUATION

## 1.1 Applicable Standard

According to §1.1307(b)(3)(i)

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least  $\lambda/2\pi$ , where  $\lambda$  is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of  $\lambda/4$  or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$ .
1.34-30	$3,450 R^2/f^2$ .
30-300	$3.83 R^2$ .
300-1,500	$0.0128 R^2 f$ .
1,500-100,000	$19.2 R^2$ .

### 1.1.1 Measurement Result

Radio	Frequency (MHz)	$\lambda/2\pi$ (mm)	Distance (mm)	Exemption ERP (mW)	Maximum Conducted Power including Tune-up Tolerance (dBm)	Antenna Gain (dBi)	ERP		MPE-Based Exemption
							dBm	mW	
LTE B2	1850-1910	25.81	200	768	25	0.90	23.75	237.14	Compliant
LTE B4	1710-1755	27.92	200	768	24.5	0.90	23.25	211.35	Compliant
LTE B5	824-849	57.94	200	422	22	0.50	20.35	108.39	Compliant
LTE B7	2500-2570	19.10	200	768	25	1.00	23.85	242.66	Compliant
LTE B66	1710-1780	27.92	200	768	24.5	0.90	23.25	211.35	Compliant

Note:

The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.

**Result: The device compliant the MPE-Based Exemption at 20cm distances.**

**===== END OF REPORT =====**