

RF EXPOSURE REPORT

CERTIFICATE OF CONFORMITY

FCC Rule Part: FCC Part 2 (Section 2.1091)

Report No.: MFBEDW-WTW-P26020065

FCC ID: GKRRXLN4N

Product: LGA Module

Brand: COMPAL

Model No.: RXL-N4n

Received Date: 2026/2/5

Test Date: 2026/4/9

Issued Date: 2026/4/29

Applicant: Compal Electronics, Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration /

Designation Number: 788550 / TW0003

Approved by:

Jeremy Lin

Date:

2026/4/29

Jeremy Lin / Project Engineer

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Prepared by : Pettie Chen / Senior Specialist

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Table of Contents

Release Control Record	3
1 Certificate.....	4
2 Applicable RF Exposure Limit	5
3 Test Results	7
4 Conclusion.....	10
5 Information of the Testing Laboratories	11

Release Control Record

Issue No.	Description	Date Issued
MFBEDW-WTW-P26020065	Original release.	2026/4/29

1 Certificate

Product: LGA Module

Brand: COMPAL

Test Model: RXL-N4n

Sample Status: Engineering sample

Applicant: Compal Electronics, Inc.

Test Date: 2026/4/9

FCC Rule Part: FCC Part 2 (Section 2.1091)

Standard: KDB 447498 D04 Interim General RF Exposure Guidance v01

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Applicable RF Exposure Limit

§ 1.1310 Radiofrequency radiation exposure limits.

(a) Specific absorption rate (SAR) shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in § 1.1307(b) of this part within the frequency range of 100 kHz to 6 GHz (inclusive).

(b) The SAR limits for occupational/controlled exposure are 0.4 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 8 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit for occupational/controlled exposure is 20 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 6 minutes to determine compliance with occupational/controlled SAR limits.

(c) The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit is 4 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 30 minutes to determine compliance with general population/uncontrolled SAR limits.

(e) Maximum Permissible Exposure (MPE) to radiofrequency electromagnetic fields

➤ Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (minutes)
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
300-1,500	...	...	f/1500	<30
1,500-100,000	...	...	1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

➤ Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
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
300-1,500	...	...	f/300	<6
1,500-100,000	...	...	5	<6

f = frequency in MHz. * = Plane-wave equivalent power density.

MPE-based Exemption – §1.1307(b)(3)(i)(C)

- 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. The MPE-based test exemption condition is in terms of ERP, defined as the product of the maximum antenna gain and the delivered maximum time-averaged power.
- 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.

Antenna for each of the five frequency ranges used for the MRE limits.			
RF Source frequency (MHz)	Minimum Distance		Threshold ERP (watts)
	$\lambda_L/2\pi$	$\lambda_H/2\pi$	
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 ² f.
1,500-100,000	31.8 mm–0.5 mm		19.2 R ² .
R must be at least $\lambda/2\pi$, where λ is the free-space operating wavelength in meters.			

MPE-based Exemption – §1.1307(b)(3)(i)(B)

- For mobile devices that are not exempt per Table 1 of §1.1307(b)(1)(i)(C) and device at distances from 20 cm to 40 cm and in 0.3 GHz to 6 GHz. The MPE-based test exemption condition is in terms of ERP, defined as the product of the maximum antenna gain and the delivered maximum time-averaged power.

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

3 Test Results

Environmental Conditions:	25°C, 60% RH	Tested By:	Kevin Kuo
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LTE

MPE-based Exemption §1.1307(b)(3)(i)(B)							
Operation Mode	Frequency Band (MHz)	Average Power (mW)	Antenna Gain (dBi)	Maximum ERP (mW)	Distance (cm)	Limit Threshold (mW)	Test Result
LTE Band 2	1850-1910	251.189	3.2	319.89	20	3060	Pass
LTE Band 4	1710-1785	251.189	3.31	328.096	20	3060	Pass
LTE Band 5	824-849	251.189	1.25	204.174	20	1680.96	Pass
LTE Band 7	2500-2570	251.189	2.88	297.167	20	3060	Pass
LTE Band 12	699-716	251.189	0.78	183.232	20	1425.96	Pass
LTE Band 13	777-787	251.189	0.91	188.799	20	1585.08	Pass
LTE Band 14	788-798	251.189	0.91	188.799	20	1607.52	Pass
LTE Band 17	704-716	251.189	0.82	184.927	20	1436.16	Pass
LTE Band 25	1850-1915	251.189	3.2	319.89	20	3060	Pass
LTE Band 26	814-824	251.189	1.25	204.174	20	1660.56	Pass
LTE Band 26	824-849	251.189	1.25	204.174	20	1680.96	Pass
LTE Band 30	2305-2315	251.189	0	153.109	20	3060	Pass
LTE Band 38	2570-2620	251.189	2.75	288.404	20	3060	Pass
LTE Band 41	2500-2690	501.187	2.75	575.44	20	3060	Pass
LTE Band 42	3450-3550	251.189	-1.5	108.393	20	3060	Pass
LTE Band 48	3550-3700	251.189	-1	121.619	20	3060	Pass
LTE Band 66	1710-1780	251.189	2.31	260.616	20	3060	Pass
LTE Band 71	663-698	251.189	0.53	172.982	20	1352.52	Pass

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

NR-SISO

MPE-based Exemption §1.1307(b)(3)(i)(B)							
Operation Mode	Frequency Band (MHz)	Average Power (mW)	Antenna Gain (dBi)	Maximum ERP (mW)	Distance (cm)	Limit Threshold (mW)	Test Result
NR Band 2	1850-1910	251.189	3.2	319.89	20	3060	Pass
NR Band 5	824-849	251.189	1.25	204.174	20	1680.96	Pass
NR Band 7	2500-2570	251.189	2.88	297.167	20	3060	Pass
NR Band 12	699-716	251.189	0.78	183.232	20	1425.96	Pass
NR Band 13	777-787	251.189	0.91	188.799	20	1585.08	Pass
NR Band 14	788-798	251.189	0.91	188.799	20	1607.52	Pass
NR Band 25	1850-1915	251.189	3.2	319.89	20	3060	Pass
NR Band 26	814-824	251.189	1.25	204.174	20	1660.56	Pass
NR Band 26	824-849	251.189	1.25	204.174	20	1680.96	Pass
NR Band 30	2305-2315	251.189	0	153.109	20	3060	Pass
NR Band 38	2570-2620	251.189	2.75	288.404	20	768	Pass
NR Band 41	2496-2690	501.187	2.75	575.44	20	3060	Pass
NR Band 48	3550-3700	251.189	-1	121.619	20	3060	Pass
NR Band 66	1710-1780	251.189	2.31	260.616	20	3060	Pass
NR Band 70	1695-1720	251.189	2.31	260.616	20	3060	Pass
NR Band 71	663-698	251.189	0.53	172.982	20	1352.52	Pass
NR Band 77	3450-3550	501.187	-1	242.661	20	3060	Pass
NR Band 77	3700-3980	501.187	-1	242.661	20	3060	Pass
NR Band 78	3450-3550	501.187	-1	242.661	20	768	Pass

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

NR-MIMO

MPE-based Exemption §1.1307(b)(3)(i)(B)							
Operation Mode	Frequency Band (MHz)	Average Power (mW)	Antenna Gain (dBi)	Maximum ERP (mW)	Distance (cm)	Limit Threshold (mW)	Test Result
NR Band 2	1850-1910	501.187	3.2	638.263	20	3060	Pass
NR Band 30	2305-2315	251.189	0	153.109	20	3060	Pass
NR Band 41 PC1.5	2496-2690	1000	2.75	1148.154	20	3060	Pass
NR Band 48	3550-3700	251.189	-1	121.619	20	3060	Pass
NR Band 66	1710-1780	501.187	2.31	519.996	20	3060	Pass
NR Band 77 PC1.5	3450-3550	1000	-1	484.172	20	3060	Pass
NR Band 77 PC1.5	3700-3980	1000	-1	484.172	20	3060	Pass

MPE-based Exemption §1.1307(b)(3)(i)(C)							
Operation Mode	Frequency Band (MHz)	Average Power (mW)	Antenna Gain (dBi)	Maximum ERP (mW)	Distance (cm)	Limit Threshold (mW)	Test Result
NR Band 78 PC1.5	3450-3550	1000	-1	484.172	20	768	Pass

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

4 Conclusion

Source-base time average power is below Exemption Criteria and/or Routine Evaluation MPE thresholds, therefore the device is compliant FCC RF exposure requirement.

5 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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