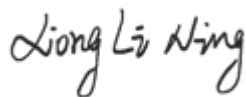


TEST REPORT

Applicant: Queclink Wireless Solutions Co., Ltd.
Address: No.30, Lane 500, Xinlong Road, Minhang District, Shanghai, China
Equipment Type: GNSS Tracker
Model Name: GV350CEU(refer to section 2.3)
Brand Name: Queclink
FCC ID: YQD-GV350CEUB02
Test Standard: 47 CFR Part 2.1091
KDB 447498 D04 v01
Sample Arrival Date: Jul. 24, 2026
Test Date: Jul. 27, 2026 - Aug. 25, 2026
Date of Issue: Sep. 15, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Xiong Lining**Checked by:** Xu Rui**Approved by:** Liao Jianming
(Technical Director)

Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>Sep. 15, 2026</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong
	☒ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Queclink Wireless Solutions Co., Ltd.
Address	No.30, Lane 500, Xinlong Road, Minhang District, Shanghai, China

2.2 Manufacturer Information

Manufacturer	Queclink Wireless Solutions Co., Ltd.
Address	No.30, Lane 500, Xinlong Road, Minhang District, Shanghai, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	GNSS Tracker
Model Name Under Test	GV350CEU
Series Model Name	DT435C, MTF-500
Description of Model name differentiation	The model changed for different market and customer, the others are the same. (this information provided by the applicant)
Hardware Version	R202V2.02
Software Version	R01A13V34
Dimensions (Approx.)	94mm(L) x 58.5mm(W) x 21mm(H)
Weight (Approx.)	96.6g

2.4 Technical Information

Network and Wireless connectivity	2G Network GPRS/EDGE 850/1900 MHz 4G Network LTE FDD Band 2/4/5/7 Bluetooth (BLE)
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The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	Bluetooth, WWAN		
Frequency Range	GPRS 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GPRS 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE B2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE B4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE B5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE B7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	Bluetooth	2400 ~ 2483.5 MHz	
Antenna Type	WWAN	PIFA Antenna	
	Bluetooth	PCB Antenna	
Exposure Category	General Population/Uncontrolled Exposure		
Product Type	Mobile Device		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01

3.2 Limit Standards

No.	Identity	Document Title
1	47 CFR Part 2.1091	Radiofrequency radiation exposure evaluation: mobile devices

4 DEVICE CATEGORY AND LEVELS LIMITS

Mobile Devices:

CFR Title 47 §2.1091(b)

For purposes of this section, a mobile device is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 centimeters is normally maintained between the transmitter's radiating structure(s) and the body of the user or nearby persons.

FCC KDB 447498 D04 General RF Exposure Guidance v01 Limit

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) and § 1.1307(b)(1)(i)(B)].

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

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 $\lambda/4$ 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.

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).

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

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 $ERP_{20 \text{ cm}}$ is per Formula (B.1).
The 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

5 ASSESSMENT RESULT

5.1 Output Power

Mode	GPRS/ EDGE 850		GPRS/ EDGE 1900	
	Burst Average Power (dBm)	Frame-Averaged power (dBm)	Burst Average Power (dBm)	Frame-Averaged power (dBm)
GPRS (GMSK, 1-Slot)	32.84	23.65	29.89	20.70
GPRS (GMSK, 2-Slots)	32.85	26.72	29.81	23.68
GPRS (GMSK, 3-Slots)	31.40	26.98	28.42	24.00
GPRS (GMSK, 4-Slots)	29.30	26.12	26.38	23.20
EGPRS (8PSK, 1-Slot)	31.21	22.02	29.78	20.59
EGPRS (8PSK, 2-Slots)	29.53	23.40	28.07	21.94
EGPRS (8PSK, 3-Slots)	26.57	22.15	25.98	21.56
EGPRS (8PSK, 4-Slots)	24.61	21.43	23.92	20.74

Note 1: This report listed the maximal case power value, please refer to Ti-EE26070837-501 report for more details.

Note 2: The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:

Frame-averaged power = Burst averaged power (1 Tx Slot) - 9.19 dB

Frame-averaged power = Burst averaged power (2 Tx Slots) - 6.13 dB

Frame-averaged power = Burst averaged power (3 Tx Slots) - 4.42dB

Frame-averaged power = Burst averaged power (4 Tx Slots) - 3.18 dB

Mode	GPRS/ EDGE 850	GPRS/ EDGE 1900
Conducted Power (dBm)	26.98	24.00
Antenna Gain (dBi)	3.40	2.90
EIRP/ERP (dBm)	30.38	26.90

Note: This report listed the worst case conducted power value, please refer to Ti-EE26070837-501 report for more details.

Mode	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7
Conducted Power (dBm)	23.61	22.80	19.26	22.31
Antenna Gain (dBi)	2.90	2.60	3.40	3.20
EIRP/ERP (dBm)	26.51	25.40	22.66	25.51

Note: This report listed the worst case conducted power value, please refer to Ti-EE26070837-501 report for more details.

Mode	Bluetooth
Conducted Power (dBm)	5.62
Antenna Gain (dBi)	2.64
EIRP (dBm)	8.26

Note: This report listed the worst case conducted power value, please refer to Ti-EE26070837-601 report for more details.

5.2 Tune-up power

Mode	Conducted Power Range (dBm)	EIRP Range (dBm)	ERP Range (dBm)
GPRS/ EDGE 850	[25.00, 27.00]	[28.40, 30.40]	[26.25, 28.25]
GPRS/ EDGE 1900	[23.00, 25.00]	[25.90, 27.90]	[23.75, 25.75]
LTE Band 2	[22.00, 24.00]	[24.90, 26.90]	[22.75, 24.75]
LTE Band 4	[21.00, 23.00]	[23.60, 25.60]	[21.45, 23.45]
LTE Band 5	[18.00, 20.00]	[21.40, 23.40]	[19.25, 21.25]
LTE Band 7	[21.00, 23.00]	[24.20, 26.20]	[22.05, 24.05]
Bluetooth	[4.00, 6.00]	[6.64, 8.64]	[4.49, 6.49]

Note1: ERP= EIRP -2.15dB.

Note2: According KDB 447498 D04, used the greater of maximum conducted power and ERP to compare with the threshold value Pth.

5.3 RF Exposure Evaluation Result

Evolution Mode	Maximum Power (dBm)	Maximum Power (mw)	Distance (mm)	Threshold Power (mW)	Power / Limit	Verdict
GPRS/ EDGE 850	28.25	668.34	200	1680.96	0.398	Pass
GPRS/ EDGE 1900	25.75	375.84	200	3060.00	0.123	Pass
LTE Band 2	24.75	298.54	200	3060.00	0.098	Pass
LTE Band 4	23.45	221.31	200	3060.00	0.072	Pass
LTE Band 5	21.25	133.35	200	1680.96	0.079	Pass
LTE Band 7	24.05	254.10	200	3060.00	0.083	Pass
Bluetooth	6.49	4.46	200	3060.00	0.001	Pass

5.4 Collocated Power Calculation

Evolution Mode	Power / Limit	$\Sigma(\text{Power / Limit})$ of WWAN + Bluetooth	Verdict
WWAN Max	0.398	0.399	Pass
Bluetooth	0.001		

Note:

1. $\Sigma(\text{Power / Limit})$: This is a summation of [(power for each transmitter/ antenna included in the simultaneous transmission)/ (corresponding Power limit)], for WWAN + Bluetooth.
2. Both of the WWAN/ Bluetooth can transmit simultaneously, the formula of calculated the Power is $CP1 / LP1 + CP2 / LP2 + \dots \text{etc.} < 1$
 CP = Calculation power
 LP = Limit of power
3. The worst-case situation is 0.399, which is less than "1". This confirmed that the device comply with FCC KDB 447498 D04 Power limit.
4. The DUT work frequency range used is 824 MHz ~ 849 MHz and 2400 MHz ~ 2483.5 MHz, the result close to the limit by the above formula, so we select worst case power to calculate the exclusion power threshold.

5.5 Conclusion

This EUT is deemed to comply with the reference level limits, therefore the basic restrictions are compliant with human exposure limits.

Statement

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--END OF REPORT--