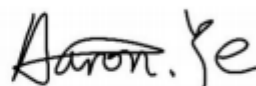
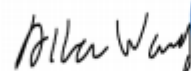


RF Exposure evaluation

Product Name : GPS Tracker
Brand Name : N/A
Model : EF532
Series Model : N/A
FCC ID : 2A7BKEF532
Applicant : EventFalcon Ltd
Address : 1 AbbeyCourt, Kinsale, Co Cork, P17 F661, Ireland
Manufacturer : Shenzhen eelink communication Technology Co., Ltd
10A, Building B, Tongfang Information Harbor, No. 11, Langshan
Address : Rd, Nanshan District, Shenzhen, Guangdong, CHINA
Standard(s) : 47CFR §1.1310, 47CFR §2.1091
KDB447498 D01 General RF Exposure Guidance v06
Date of Receipt : Sep.23, 2025
Date of Test : Sep.24, 2025~ Oct.09, 2025
Issued Date : Oct.10, 2025

Issued By: Guangdong Asia Hongke Test Technology Limited
B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street,
Bao'an District, Shenzhen, Guangdong, China
Tel.: +86 0755-230967639 Fax.: +86 0755-230967639

Reviewed by: 
Aalen.Ye

Approved by: 
Allen Wang



Note: This device has been tested and found to comply with the standard(s) listed, this test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory. This report shall not be reproduced except in full, without the written approval of Guangdong Asia Hongke Test Technology Limited. If there is a need to alter or revise this document, the right belongs to Guangdong Asia Hongke Test Technology Limited, and it should give a prior written notice of the revision document. This test report must not be used by the client to claim product endorsement.



Report Revise Record

Report Version	Issued Date	Notes
M1	Oct.10, 2025	Initial Release

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1 GENERAL INFORMATION

1.1 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

1.2 General Description of EUT

Product Name:	GPS Tracker
Model/Type reference:	EF532
Serial Model:	N/A
Power Supply:	DC 3.0V from battery 5000mAh
Hardware Version:	N/A
Software Version:	N/A
Sample(s) Status:	AiTSZ-251013002-1(Normal sample) AiTSZ-251013002-2(Engineer sample)
LTE:	
Operation Band:	LTE Cat-M1: Band 2/4/5/12/13/25/26/66 LTE NB1: Band 2/4/5/12/17/13/25/26/66
Support Bandwidth:	Band 2: ☒ 1.4MHz, ☒ 3MHz, ☒ 5MHz, ☒ 10MHz, ☒ 15MHz, ☒ 20MHz Band 4: ☒ 1.4MHz, ☒ 3MHz, ☒ 5MHz, ☒ 10MHz, ☒ 15MHz, ☒ 20MHz Band 5: ☒ 1.4MHz, ☒ 3MHz, ☒ 5MHz, ☒ 10MHz Band 12: ☒ 1.4MHz, ☒ 3MHz, ☒ 5MHz, ☒ 10MHz Band 13: ☒ 5MHz, ☒ 10MHz Band 17: ☒ 5MHz, ☒ 10MHz Band 25: ☒ 1.4MHz, ☒ 3MHz, ☒ 5MHz, ☒ 10MHz, ☒ 15MHz, ☒ 20MHz Band 26: ☒ 1.4MHz, ☒ 3MHz, ☒ 5MHz, ☒ 10MHz, ☒ 15MHz Band 66: ☒ 1.4MHz, ☒ 3MHz, ☒ 5MHz, ☒ 10MHz, ☒ 15MHz, ☒ 20MHz
Frequency Range:	Band 2:uplink 1850MHz to 1910MHz; downlink 1930MHz to 1990MHz Band 4:uplink 1710MHz to 1755MHz; downlink 2110MHz to 2155MHz Band 5:uplink 824MHz to 849MHz; downlink 869MHz to 894MHz Band 12:uplink 699MHz to 716MHz; downlink 729MHz to 746MHz Band 13:uplink 777MHz to 787MHz; downlink 746MHz to 756MHz Band 17:uplink 704MHz to 716MHz;downlink 734MHz to 746MHz Band 25:uplink 1805MHz to 1915MHz;downlink 1930MHz to 1995MHz Band 26:uplink 1805MHz to 1915MHz;downlink 1930MHz to 1995MHz Band 66:uplink 1710MHz to 1780MHz;downlink 2110MHz to 2200MHz
UE category	LTE Cat-M1, LTE NB1
Power Class:	Power Class 3
Modulation Type:	LTE Cat-M1:QPSK, 16QAM; LTE NB1: $\pi/2$ -BPSK, $\pi/4$ -QPSK
Antenna type:	Internal Antenna
Antenna gain:	LTE Band 2: -1.70dBi; LTE Band 4:0.80dBi; LTE Band 5:-3.70dBi; LTE Band 12:-2.48dBm; LTE Band 13:-3.28dBi; LTE Band 17:-2.48dBi; LTE Band 25:-1.70dBi; LTE Band 26:-3.70dBi; LTE Band 66:0.80dBi

Remark: The above DUT's information was declared by manufacturer. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

1.3 Test Facility

Test Laboratory:

Guangdong Asia Hongke Test Technology Limited

B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

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

FCC-Registration No.: 251906 Designation Number: CN1376

Guangdong Asia Hongke Test Technology Limited has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

IC —Registration No.: 31737 CAB identifier: CN0165

The 3m Semi-anechoic chamber of Guangdong Asia Hongke Test Technology Limited has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 31737

A2LA-Lab Cert. No.: 7133.01

Guangdong Asia Hongke Test Technology Limited has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

1.4 Measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report according to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the Guangdong Asia Hongke Test Technology Limited's quality system according to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Asia Hongke laboratory is reported:

Test	Measurement Uncertainty	Notes
Power Line Conducted Emission	9KHz~30MHz ± 1.20 dB	(1)
Radiated Emission	9KHz~30MHz ± 3.10 dB	(1)
Radiated Emission	30MHz ~1GHz ± 3.75 dB	(1)
Radiated Emission	1GHz~18GHz ± 3.88 dB	(1)
Radiated Emission	18GHz-40GHz ± 3.88 dB	(1)
RF power, conducted	30MHz~6GHz ± 0.16 dB	(1)
RF power density, conducted	± 0.24 dB	(1)
Spurious emissions, conducted	± 0.21 dB	(1)
Temperature	$\pm 1^{\circ}\text{C}$	(1)
Humidity	$\pm 3\%$	(1)
DC and low frequency voltages	$\pm 1.5\%$	(1)
Time	$\pm 2\%$	(1)
Duty cycle	$\pm 2\%$	(1)
Bandwidth	$\pm 1.5 \times 10^{-6}$	(1)

The report uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty Multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

2 Method of measurement

2.1 Applicable Standard

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to §1.1310 and §2.1091 RF exposure is calculated.

FCC KDB447498 D01 General RF Exposure Guidance v06: Mobile and Portable Device, RF Exposure, Equipment Authorization Procedures

2.2 Limit

Limits for Maximum Permissible Exposure (MPE)/Controlled Exposure

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm ²)	Averaging Time (minute)
Limits for Occupational/Controlled Exposure				
0.3 – 3.0	614	1.63	(100) *	6
3.0 – 30	1842/f	4.89/f	(900/f)*	6
30 – 300	61.4	0.163	1.0	6
300 – 1500	/	/	f/300	6
1500 – 100,000	/	/	5	6

Limits for Maximum Permissible Exposure (MPE)/Uncontrolled Exposure

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm ²)	Averaging Time (minute)
Limits for Occupational/Controlled Exposure				
0.3 – 3.0	614	1.63	(100) *	30
3.0 – 30	824/f	2.19/f	(180/f)*	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

*=Plane-wave equivalent power density

2.3 MPE Calculation Method

Predication of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = PG / 4\pi R^2$$

Where: S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna

2.4 Manufacturing Tolerance

WWAN

Band	Target Power (dBm)	Tolerance (dBm)
LTE BAND 2	23.0	+1/-3dBm
LTE BAND 4	23.0	+1/-3dBm
LTE BAND 5	23.0	+1/-3dBm
LTE BAND 12	23.0	+1/-3dBm
LTE BAND 13	23.0	+1/-3dBm
LTE BAND 17	23.0	+1/-3dBm
LTE BAND 25	23.0	+1/-3dBm
LTE BAND 26	23.0	+1/-3dBm
LTE BAND 66	23.0	+1/-3dBm

2.5 MPE Result

As declared by the Applicant, the EUT is a wireless device used in a fix application, at least 20 cm from any body part of the user or nearby persons; from the maximum EUT RF output power, the minimum separation distance, $r = 20\text{cm}$, as well as the gain of the used antenna, the RF power density can be obtained.

Standalone Evaluation

Mode	Maximum Tune-up power (dBm)	Maximum Output power (mW)	Antenna Gain (dBi)	Antenna Gain (numeric)	Distance (cm)	Result (mW/cm ²)	Limits for General Population/ Uncontrolled Exposure (mW/cm ²)	Ratio
LTE Cat-M1:								
Band 2	24.00	251.19	-1.70	0.68	20.00	0.034	1.0	0.034
Band 4	24.00	251.19	0.80	1.20	20.00	0.060	1.0	0.06
Band 5	24.00	251.19	-3.70	0.43	20.00	0.021	0.56	0.038
Band 12	24.00	251.19	-2.48	0.57	20.00	0.028	0.47	0.06
Band 13	24.00	251.19	-3.28	0.47	20.00	0.023	0.52	0.044
Band 25	24.00	251.19	-1.70	0.68	20.00	0.034	1.0	0.034
Band26(22H)	24.00	251.19	-3.70	0.43	20.00	0.021	0.55	0.038
Band26(90S)	24.00	251.19	-3.70	0.43	20.00	0.021	0.55	0.038
Band66	24.00	251.19	0.80	1.20	20.00	0.060	1.0	0.06
LTE NB1:								
Band 2	24.00	251.19	-1.70	0.68	20.00	0.034	1.0	0.034
Band 4	24.00	251.19	0.80	1.20	20.00	0.060	1.0	0.06
Band 5	24.00	251.19	-3.70	0.43	20.00	0.021	0.56	0.038
Band 12	24.00	251.19	-2.48	0.57	20.00	0.028	0.47	0.06
Band 13	24.00	251.19	-3.28	0.47	20.00	0.023	0.52	0.044
Band 17	24.00	251.19	-2.48	0.57	20.00	0.028	0.47	0.06
Band 25	24.00	251.19	-1.70	0.68	20.00	0.034	1.0	0.034
Band26(22H)	24.00	251.19	-3.70	0.43	20.00	0.021	0.55	0.038
Band26(90S)	24.00	251.19	-3.70	0.43	20.00	0.021	0.55	0.038
Band66	24.00	251.19	0.80	1.20	20.00	0.060	1.0	0.06

Remark: MPE evaluate distance is 20cm from user manual provide by manufacturer.

2.6 Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

***** End of Report *****