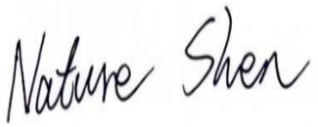
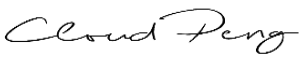
TEST REPORT

Application No.:	SUCR2503000209TL
Applicant:	Gosuncn Technology Group Co., Ltd.
Address of Applicant:	6F, 2819 KaiChuang Blvd., Science Town, Huangpu District, Guangzhou City, Guangdong, China.
Manufacturer:	Gosuncn Technology Group Co., Ltd.
Address of Manufacturer:	6F, 2819 KaiChuang Blvd., Science Town, Huangpu District, Guangzhou City, Guangdong, China.
EUT Description:	Tracker
Model No.:	GT117U
Trade Mark:	Gosuncn
Contain FCC ID:	2APNR-GT117U
Standards:	47 CFR Part 2.1091 FCC KDB 447498 D01 v06
Date of Receipt:	April 19, 2025
Date of Issue:	April 19, 2025
Test Result:	**PASS***

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

Version

Revision Record			
Version	**Description**	***Date***	***Remark***
00	Original	April 19, 2025	/

Authorized for issue by:				
Tested By				
		Nature Shen / Project Manager		
Approved By				
		Cloud Peng/Technical Manager		

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1 General Information

1.1 General Description of EUT

Hardware Version:	GT117_HW_V1.0			
Software Version:	BG95M1LAR02A04			
Antenna Type:	☐ External, ☒ Integrated			
Antenna Gain:	LTE Cat-M1 Band 2:	1.88dBi	LTE Cat-M1 Band 4:	1.83dBi
	LTE Cat-M1 Band 5:	2.47dBi	LTE Cat-M1 Band 12:	0.79dBi
	LTE Cat-M1 Band 13:	0.79dBi	LTE Cat-M1 Band 25:	1.88dBi
	LTE Cat-M1 Band 26:	2.47dBi	LTE Cat-M1 Band 66:	1.83dBi
	BLE:	2.63dBi		
	Note: The antenna gain are derived from the gain information report provided by the manufacturer.			
Note: *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, SGS is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion. Remark: As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.				

1.2 Test Facility

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

• **A2LA (Certificate No. 6336.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

• **Innovation, Science and Economic Development Canada**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

• **FCC –Designation Number: CN1312**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327

2 RF Exposure Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f2)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f2)	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
RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

Friis Formula

Friis transmission formula: $Pd = (Pout*G)/(4* Pi * R^2)$

Where

Pd = power density in mW/cm2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

Pd id the limit of MPE, 1 mW/cm2. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

2.1.2 Test Procedure

Software provided by client enabled the EUT to transmit data at lowest, middle and highest channel individually

2.1.3 EUT RF Exposure Evaluation

Output Power Into Antenna & RF Exposure Evaluation Distance:
This confirmed that the device comply with MPE limit.

Band	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Distance R (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
LTE Cat-M1 Band 2	1880	25	1.88	26.88	20.00	0.097	1.00
LTE Cat-M1 Band 4	1732.5	25	1.83	26.83	20.00	0.096	1.00
LTE Cat-M1 Band 5	836.5	25	2.47	27.47	20.00	0.111	0.56
LTE Cat-M1 Band 12	707.5	25	0.79	25.79	20.00	0.075	0.47
LTE Cat-M1 Band 13	782	25	0.79	25.79	20.00	0.075	0.52
LTE Cat-M1 Band 25	1882.5	25	1.88	26.88	20.00	0.097	1.00
LTE Cat-M1 Band 26 (814 to 824 MHz)	819	25	2.47	27.47	20.00	0.111	0.55
LTE Cat-M1 Band 26 (824 to 849 MHz)	836.5	25	2.47	27.47	20.00	0.111	0.56
LTE Cat-M1 Band 66	1745	25	1.83	26.83	20.00	0.096	1.00
BLE	2440	0	2.73	2.73	20.00	0.000	1.00

---End of Report---