

Page 1 of 3 Report No.: HK1809291181E

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	3G, 2G Tracking Device			
Model Name	T11012850			
FCC ID	SRMT11012820			

Date of Test		
Date (s) of performance of te	ests	July 25, 2018~Aug. 22, 2018
Date of Issue		Aug. 27, 2018
Test Result		Pass
Testing Engineer	:	Good Dian
		(Gary Qian)
Technical Manager	:	Edan Hu
	_	(Eden Hu)
Authorized Signatory	:	Jason Zhori
		(Jason Zhou)



2. EVALUATION METHOD AND LIMIT

Human exposure to RF emissions from mobile devices (47 CFR §2.1091) may be evaluated based on the MPE limits adopted by the FCC for electric and magnetic field strength and/or power density, as appropriate, since exposures are assumed to occur at distances of 20 cm or more from persons.

Report No.: HK1809291181E

LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE

Frequency	E-field Strength	Magnetic Field Power Density		Averaging Time
Range	(E)	Strength (H) (S)		$ E ^2$, $ H ^2$ or S
(MHz)	(V/m)	(A/m)	(mW/cm ²)	(Minutes)
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 1500			f/1500	30
1500 100,000			1.0	30

*Note:

- 1. f= Frequency in MHz * Plane-wave Equivalent Power Density
- 2. The averaging time for General Population/Uncontrolled exposure to fixed transmitters is not applicable for mobile and portable transmitters. See 47 CFR §§2.1091 and 2.1093 on source-based time-averaging requirement for mobile and portable transmitters.

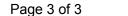
$S=PG/4\pi R^2$

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



Report No.: HK1809291181E



3. CALCULATION

A minimum test separation distance \geqslant 30 cm is required between the antenna and radiating structures of the device and nearby persons to apply mobile device exposure limits. The distance must be at least 30 cm and fully supported by the operating and installation configurations of the transmitter and its antenna(s), according to the source-based time-averaged maximum power requirements of § 2.1091(d)(2). In cases where cable losses or other attenuations are applied to determine compliance, the most conservative operating configurations and exposure conditions must be evaluated.

GSM/WCDMA

GOIVI/ VVCD							
Test Mode	Frequency (MHz)	Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	Power Density (mW/cm ²)	Limit (mW/cm²)
GSM850	824.2	34.40	2754.23	0	1.00	0.2437	0.55
	836.6	35.09	3228.49	0	1.00	0.2856	0.56
	848.8	34.79	3013.01	0	1.00	0.2665	0.57
GSM1900	1850.2	29.41	872.97	0	1.00	0.0772	1.00
	1880	29.47	885.12	0	1.00	0.0783	1.00
	1909.8	29.28	847.23	0	1.00	0.0749	1.00
WCDMA 850 (RMC)	826.6	21.06	127.64	0	1.00	0.0113	0.55
	836.4	21.09	128.53	0	1.00	0.0114	0.56
	846.4	20.49	111.94	0	1.00	0.0099	0.56
WCDMA 850 (AMR)	826.4	21.11	129.12	0	1.00	0.0114	0.55
	836.4	21.05	127.35	0	1.00	0.0113	0.56
	846.6	20.72	118.03	0	1.00	0.0104	0.56
WCDMA - 1900 (RMC)	1852.4	21.12	129.42	0	1.00	0.0114	1.00
	1880	21.49	140.93	0	1.00	0.0125	1.00
	1907.6	21.59	144.21	0	1.00	0.0128	1.00
WCDMA 1900 (AMR)	1852.4	21.08	128.23	0	1.00	0.0113	1.00
	1880	21.37	137.09	0	1.00	0.0121	1.00
	1907.6	21.55	142.89	0	1.00	0.0126	1.00

Note

1. Only the worst case was recorded in the test report.