


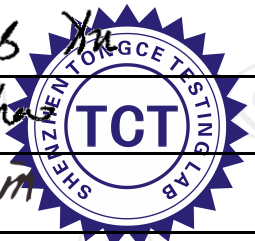


TEST REPORT

FCC ID..... :	RSN-F4HULTRA	
Test Report No..... :	TCT250103E016	
Date of issue..... :	Jan. 22, 2025	
Testing laboratory :	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name..... :	Cellphone-Mate Inc. dba SureCall	
Address..... :	48346 Milmont Drive Fremont California 94538 United States	
Manufacturer's name ... :	Cellphone-Mate Inc. dba SureCall	
Address..... :	48346 Milmont Drive Fremont California 94538 United States	
Standard(s) :	FCC Part §1.1310	
Product Name..... :	Broadband Consumer Signal Booster	
Trade Mark :	Surecall	
Model/Type reference..... :	Fusion4Home Ultra	
Rating(s)..... :	Adapter Information: MODEL: GME36A-120300FDS INPUT: AC 100-240V, 50/60Hz, 1.2A OUTPUT: DC 12.0V, 3.0A, 36.0W	
Date of receipt of test item :	Jan. 03, 2025	
Date (s) of performance of test..... :	Jan. 03, 2025 ~ Jan. 22, 2025	
Tested by (+signature) ... :	Brews XU	
Check by (+signature)..... :	Beryl ZHAO	
Approved by (+signature):	Tomsin	



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1. General Product Information

1.1. EUT description

Product Name:	Broadband Consumer Signal Booster
Model/Type reference:	Fusion4Home Ultra
Sample Number:	TCT250103E015-0101
Operation Frequency	PCS Uplink: 1850MHz - 1915MHz, Downlink: 1930MHz - 1995MHz AWS Uplink: 1710MHz - 1755MHz, Downlink: 2110MHz - 2155MHz Cellular Uplink: 824MHz - 849MHz, Downlink: 869MHz - 894MHz Lower700MHz Uplink: 698MHz - 716MHz, Downlink: 728MHz - 746MHz Upper700MHz Uplink: 776MHz - 787MHz, Downlink: 746MHz - 757MHz
Signal Booster Type:	Mobile Consumer Signal Booster
Emission Designator	F9W, G7D, G7W, GXW, W7D
FCC Classification	B2W/Wideband Consumer Booster (CMRS)
Rating(s):	Adapter Information: MODEL: GME36A-120300FDS INPUT: AC 100-240V, 50/60Hz, 1.2A OUTPUT: DC 12.0V, 3.0A, 36.0W

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

None.

2. General Information

2.1. Test environment and mode

Item	Normal condition
Temperature	+25°C
Voltage	DC 12V
Humidity	56%
Atmospheric Pressure:	1008 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel

2.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

3. Facilities and Accreditations

3.1. Facilities

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

- FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

3.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

4. Test Results and Measurement Data

4.1. Requirements

Limits For Maximum Permissible Exposure (MPE)				
Frequency range (MHz)	Electric field strength(V/m)	Magnetic field Strength(A/m)	Power density (mw/cm ²)	Averaging time (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	0.0173	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

4.2. MPE Calculation

Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = Power density (In appropriate units, e.g., W/m²)

P = Power input to the antenna (In appropriate units, e.g., W)

G = Power gain og the antenna in the direction of interest relative to an isotropic radiator, the power gain factor,

Is normally numeric gain

R =Distance to the center of radiation of the antenna(In appropriate units, e.g., m)

4.3. Test Result

Operation Bands	Frequency (MHz)	Max. Output power(dBm)	Cable loss (dB)	Power to Antenna(mW)	Antenna gain	
					Isotropic	Numeric
UL1850-1915	1876.65	24.54	4.07	111.43	9.5	8.91
UL1710-1755	1725.92	24.42	4.31	102.57	9.5	8.91
UL824-869	842.17	25.03	3.14	154.53	7	5.01
UL698-716	703.17	25.03	3.01	159.22	7	5.01
UL776-787	778.50	24.36	3.01	136.46	7	5.01
DL1930-1995	1955.74	12.70	3.56	8.20	7	5.01
DL2110-2155	2112.50	12.09	3.76	6.81	7	5.01
DL869-894	882.92	11.09	2.29	7.59	6	3.98
DL728-746	743.50	13.48	2.06	13.87	5	3.16
DL746-757	748.50	11.76	2.06	9.33	5	3.16

Operation Bands	Power (mW)	Antenna gain(G)	Measure Distance(cm)	Power density (mW/cm ²)	MPE limit (mW/cm ²)
UL1850-1915	111.43	8.91	20	0.1976	1
UL1710-1755	102.57	8.91	20	0.1818	1
UL824-869	154.53	5.01	20	0.1541	0.56
UL698-716	159.22	5.01	20	0.1588	0.47
UL776-787	136.46	5.01	20	0.1361	0.52
DL1930-1995	8.20	5.01	20	0.0082	1
DL2110-2155	6.81	5.01	20	0.0068	1
DL869-894	8.07	5.01	20	0.0080	0.59
DL728-746	13.87	3.16	20	0.0087	0.50
DL746-757	9.33	3.16	20	0.0059	0.50

Simultaneous Transmission with BLE (FCC ID: 2ATPO-PB03), Evaluation result=0.0018mW/cm²@ 20cm distance.

Operation Bands	Result	Limit
BLE + UL1850-1915	0.1994	1
BLE + UL1710-1755	0.1836	1
BLE + UL824-869	0.2770	1
BLE + UL698-716	0.3397	1
BLE + UL776-787	0.2635	1
BLE + DL1930-1995	0.0100	1
BLE + DL2110-2155	0.0086	1
BLE + DL869-894	0.0154	1
BLE + DL728-746	0.0192	1
BLE + DL746-757	0.0136	1

Results: PASS*******END OF REPORT*******