

FCC TEST REPORT

Report No: AB26080215FW02
FCC ID.....: **RSN-FIBERMAXMU2**
Applicant.....: Cellphone-Mate Inc. dba SureCall
Address.....: 48346 Milmont Drive, Fremont, California 94538, United States
Manufacturer.....: Cellphone-Mate Inc. dba SureCall
Address.....: 48346 Milmont Drive, Fremont, California 94538, United States
Product Name.....: SignalMax Fiber DAS V2.0
Trade Mark.....: Surecall
Test Model: SC-FMU V2
Additional Model(s).....: /
Standard.....: FCC Part 2 (Section 2.1091);KDB 447498 D01;IEEE C95.1
Date of Receipt.....: Jun. 03, 2026
Date of Test Date.....: Jun. 03, 2026 - Aug.10, 2026
Date of Issue.....: Aug.11, 2026
Test Result.....: Pass

Compiled by:
(Printed Name + Signature)

Huaijie Li

Huaijie Li

Supervised by:
(Printed Name + Signature)

David Huang

David Huang

Approved by:
(Printed Name + Signature)

Jay Liu

Jay Liu

Testing Laboratory Name.....: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address : 101, Building B, Tuori New Energy Industrial Park, High-tech Park,
Tianliao Community, Yutang Street, Guangming District, Shenzhen
City, Guangdong Province, China

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Test Result	Positive
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The 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.

REPORT VERSION

Version No.	Issue Date	Description
01	2026.08.11	Initial Issue

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1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	SignalMax Fiber DAS V2.0	
Trade Mark:	Surecall	
Test Model:	SC-FMU V2	
Additional Model(s):	/	
Model Difference:	/	
Hardware Version:	Fiber Max MU V2.0	
Software Version:	Fiber Max V2.0	
Power Supply:	AC 100-240V, 50/60Hz, 0.7A / AC 277V,50/60Hz, 0.38A	
Test Sample(s) Number:	ABA166260804-S004	
Radio Specification Subject to this Report		
Signal Booster Type:	Industrial(Part20) Signal Booster	
Frequency Range:	PCS Uplink:	1850MHz - 1915MHz
	AWS Uplink:	1710MHz - 1755MHz
	Cellular Uplink:	824MHz - 849MHz
	Lower700MHz Uplink:	698MHz - 716MHz
	Upper700MHz Uplink:	776MHz - 787MHz
Emission Designator:	F9W, G7D, G7W, GXW, W7D	
FCC Classification:	B2I-Part 20 Industrial Booster (CMRS)	
Antenna information:	Refer to the Antenna kitting	

1.2. DESCRIPTION OF TEST FACILITY

Test Lab: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address: 101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

Tel.: +(86) 0755 85250797

E-mail: aibo@aibonorm.com

Website: www.aibonorm.com

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

A2LA-Lab Certificate No.: 7514.01

Aibo Standard Technology (Shenzhen) Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC Accredited Lab.

Designation Number: CN1411

Test Firm Registration Number: 567066

ISED Wireless Device Testing Laboratories

CAB identifier: CN0185

2. RF EXPOSURE EVALUATION

2.1 Limit

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

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)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	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/f ²)	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

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm², P_{out} = 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;

P_d is 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.

Test Procedure

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

2.2 Evaluation Result

Operation Bands	Frequency (MHz)	Max. Output power(dBm)	Cable loss (dB)	Power to Antenna(mW)	Antenna gain	
					Isotropic	Numeric
UL1850-1915	1886.33	26.32	1	340.41	8	6.31
UL1710-1755	1725.93	27.39	1	435.51	8	6.31
UL824-849	836.83	26.43	0.7	374.11	6	3.98
UL698-716	703.89	26.16	0.7	351.56	6	3.98
UL776-787	778.36	25.89	0.7	330.37	6	3.98

Operation Bands	Power (mW)	Antenna gain(G)	Measure Distance(cm)	Power density (mW/cm ²)	MPE limit (mW/cm ²)
UL1850-1915	340.41	6.31	100	0.0171	1
UL1710-1755	435.51	6.31	100	0.0219	1
UL824-849	374.11	3.98	100	0.0119	0.56
UL698-716	351.56	3.98	100	0.0111	0.47
UL776-787	330.37	3.98	100	0.0105	0.52

Results for simultaneous Transmission with BLE (FCC ID: XPNINAB1), Simultaneous Transmission with IOT (FCC ID: 2AJYU-8VC0002), and the RF exposure evaluation is as follow:

Operation Bands	Frequency (MHz)	Max. Output power(dBm)	Cable loss (dB)	Power to Antenna(mW)	Antenna gain	
					Isotropic	Numeric
BLE	2480	3.94	/	2.48	3.96	2.49
IOT 1850-1910	1850	23.37	1	172.58	8	6.31
IOT 1710-1755	1710	21.92	1	123.59	8	6.31
IOT 824-849	824	23.41	0.7	186.64	6	3.98
IOT 699-716	699	23.31	0.7	182.39	6	3.98
IOT 777-787	777	20.76	0.7	101.39	6	3.98

Operation Bands	Power (mW)	Antenna gain(G)	Measure Distance(cm)	Power density (mW/cm ²)	MPE limit (mW/cm ²)
BLE	2.48	2.49	100	0.00005	1
IOT 1850-1910	172.58	6.31	100	0.0087	1
IOT 1710-1755	123.59	6.31	100	0.0062	1
IOT 824-849	186.64	3.98	100	0.0059	0.55
IOT 699-716	182.39	3.98	100	0.0058	0.47
IOT 777-787	101.39	3.98	100	0.0032	0.52

Operation Bands	Result	Limit
BLE + IOT + UL1850-1915	0.02945	1
BLE + IOT + UL1710-1755	0.03425	1
BLE + IOT + UL824-849	0.03365	1
BLE + IOT + UL698-716	0.03595	1
BLE + IOT + UL776-787	0.03255	1

So a SAR test is not required

*****THE END*****