



## Warranty

1. Cellphone-Mate, Inc. warrants to the buyer that each of its products, when shipped will be free from defects in material and workmanship and will perform in full accordance with applicable specifications. The limit of liability under this warranty is, at Cellphone-Mate, Inc.'s option, to repair or replace any product or part thereof which shall within TWO YEARS of purchase as determined by examination by Cellphone-Mate, Inc., prove defective in material and/or workmanship. Warranty returns must first be authorized in writing by Cellphone-Mate, Inc. Disassembly of any Cellphone-Mate, Inc. product by anyone other than an authorized representative of Cellphone-Mate, Inc. voids this warranty in its entirety. Cellphone-Mate, Inc. reserves the right to make changes in any of its products without incurring any obligation to make the same changes on previously delivered products.

2. As a condition to the warranties provided for herein, the Buyer will prepay the shipping charges for all products returned to Cellphone-Mate, Inc. for repair, and Cellphone-Mate, Inc. will pay the return shipping with the exception of product returned from outside the United States in which case the Buyer will pay the shipping charges.

3. The Buyer will pay the cost of inspecting and testing any goods returned under the warranty or otherwise which are found to meet the applicable specifications or which are not defective or not covered by this warranty

4. Products sold by Cellphone-Mate, Inc. shall not be considered defective or non-conforming to the Buyers' order if they satisfactorily fulfill the performance requirements that were published in the product specification literature, or in accordance with samples provided by Cellphone-Mate, Inc. This warranty shall not apply to any products or parts thereof which have been subject to accident, negligence, alteration, abuse, or misuse. Cellphone-Mate, Inc. makes no warranty whatsoever in respect to accessories or parts not supplied by it.

5. EXCEPT AS EXPRESSLY SET FORTH HEREIN, THERE ARE NO WARRANTIES, CONDITION GUARANTEES OR REPRESENTATIONS AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTIES, CONDITIONS, GUARANTEES OR REPRESENTATIONS, WHETHER EXPRESSED OR IMPLIED, IN LAW OR IN FACT, ORAL OR IN WRITING. CELLPHONE-MATE, INC.'S AGGREGATE LIABILITY IN DAMAGES OR OTHERWISE SHALL NOT EXCEED THE PAYMENT, IF ANY, RECEIVED BY CELLPHONE-MATE, INC. FOR THE UNIT OF PRODUCT OR SERVICE FURNISHED OR TO BE FURNISHED, AS THE CASE MAY BE, WHICH IS THE SUBJECT OF CLAIM OR DISPUTE. IN NO EVENT SHALL CELLPHONE-MATE, INC. BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, HOWSOEVER CAUSED.

6. All matters regarding this warranty shall be interpreted in accordance with the laws of the State of California and any controversy that cannot be settled directly shall be settled by arbitration in California in accordance with the rules then prevailing of the American Arbitration Association, and judgment upon the award rendered may be entered in any court having jurisdiction thereof.

7. If one or more provisions provided herein are held to be invalid or unenforceable under applicable law, then such provision shall be ineffective and excluded to the extent of such invalidity or unenforceability without affecting in any way the remaining provisions hereof.

Frequency	Downlink: 728 -746/746-757/869-894/1930-1990/2110-2155MHz
Input Impedance	50 ohm
Max. Gain Shown	-40dBm
Standard Supported	LTE Verizon/LTE AT&T/Cellular/PCS/AWS
Receive Sensitivity	-110dBm
Tolerance	<3dB
AC Power Transformer	Input AC110V, 60Hz; Output: DC5V
DC Power	4 AAA Rechargeable Batteries
Power Consumption	<1.5Watts
RF connector	SMA Female
Cable	RG174
Working Time	Standby: 3.5 hours / Active: 2.5 hours
Dimensions	6.3*3.3*1.3 inch
Weight	205g

## SureCall Five-Bands RF Signal Meter User Manual CM-METER-01

### Package Contents

- RF Signal Meter
- 110 AC Power Adapter
- Rubber Antenna
- 9" and 24" SMA to N Cable Connectors
- 4 AAA Rechargeable Batteries
- User Manual



## Safety Information

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the Federal Trade Commission (FCC) Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and radiates frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

www.surecall.com  
888.365.MATE (6283) phone - (510)996-7250 fax  
48346 Millmont Drive , Fremont, CA 94538 (USA)

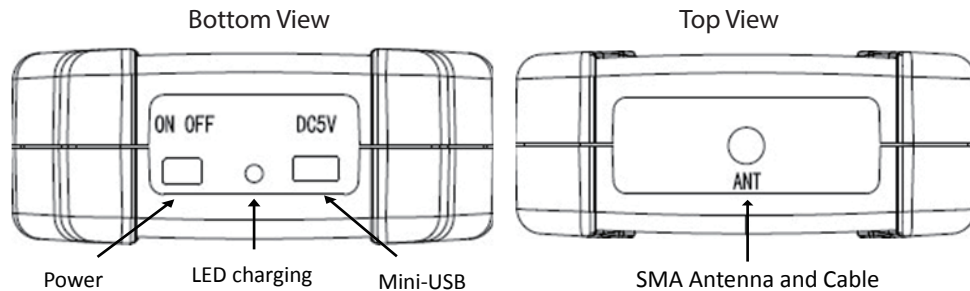
The CM-Meter-01 RF signal meter by Cellphone-Mate provides accurate information of radio frequency signals. The device can receive the RF signal from air an installed outdoor antenna or connects directly to the field antenna. This device works with LTE, Cellular, PCS and AWS bands. The purpose of the RF Signal meter is to assist in the installation of a Signal Booster, specifically for mapping the frequency environment, pointing directional antennas, and maximizing signal booster coverage.

### Features

- Five bands: 700 & 800 & 1900 & 2100MHz-(LTE, Cellular, PCS and AWS)
- High Receiving Sensitivity -110dBm
- Three selectable modes
- Controllable backlight for dark environments
- Rechargeable design with four AAA batteries
- Long working time (2.5 - 3.5 hours)
- Easy to carry

### Turning on and Charging the Meter

The power switch is used to turn on/off the device. The power supply interface is a mini USB interface. You can plug the AC power supply or any power source marked DC5V into it. Make sure that the power source can provide over 1 amp of current. The charging light is a green LED. When it is plugged in and the power switch is OFF, the LED will continue to blink while it is being charged. If the AAA batteries are fully charged, the LED will blink once. When the charging is finished, the LED will stay lit.



### Using and Installing the Antenna and Antenna Interfaces

#### Antenna

The included antenna is used to pick up an outside RF wireless signal to determine its strengths and weaknesses of each band to determine an ideal location to install outside antennas, for example. To attach, screw antenna jack clockwise at top of meter.

#### Antenna Interfaces

The included 9" and 24" SMA-Male to N-Male pigtail cable connectors are used to gauge the best outside RF wireless signal for installing or adjusting a directional outside antenna.

Step 1: Attach the SMA end of either included cable connector to the SMA antenna jack on the top of the signal meter.

Step 2: Attach the N-male end of the cable connector to the N-female cable attached to the outside directional antenna.

**WARNING: Attaching the cable connectors from the meter to a cellular amplifier can permanently damage your signal meter. If you wish to measure signal from the meter to amplifier, contact tech support at support@cellphone-mate.com to find out how.**

### Understanding the Screens

There are four lines of information available to users:

The top line displays detecting mode (see table 1, below) and battery life

The second line displays detecting band

The third line displays detecting block in Mode-I, detecting frequency in Mode-II and detecting band's frequency range in Mode-III.

The fourth line displays the detected dBm.

Note: Cellular signal reading is reflected in a negative number. The lower the negative number, the stronger the signal.

### Understanding the Keypad

There are four keys for user actions (see keypad example above)

The Light Switch button has two functions:

1. To turn the backlight ON or OFF, press quickly once.
2. To change the detection mode, press the button for a longer period of time.

Below is a list of what the three modes represent

Mode-I	Detects the power strength of one frequency block
Mode-II	Detects the power strength of one frequency point with 5MHz band
Mode-III	Detects the total frequency power strength of one band

Note: Mode-III is likely to be used most by consumer or first-time installers

### Table 1 – Downlink Bands

The Band Select button will select between downlink bands.

Band Designation	Frequency Range(MHz)
LTE-AT&T 737	728 ~ 746
LTE-VERIZON 751	746 ~ 757
CELLULAR 800	869 ~ 894
PCS 1900	1930 ~ 1995
AWS 2100	2110 ~ 2155

Note: For a list of band options see table 2, following.

### Table 2

The "Prev Frequency" button will switch to the previous frequency in Mode-II or previous block in Mode-I.

The "Next Frequency" button will switch to the next frequency in Mode-II or next block in Mode-I.

"Prev Frequency" and "Next Frequency" buttons do not work in Mode-III.

Blocks	CELLULAR 800(MHz)	PCS 1900(MHz)	AWS 2100(MHz)
A	869 ~880	1930 ~1945	2110 ~2120
B	880 ~890	1950 ~1965	2120 ~2130
C		1975 ~1990	2130 ~2135
D		1945 ~1950	2135 ~2140
E		1965 ~1970	2140 ~2145
F		1970 ~1975	2145 ~2155
G		1990 ~1995	

