# Signal Booster **Distantion UDDE** Sleek<sup>\*</sup> Sleek<sup>\*</sup> Sleek<sup>\*</sup> Sleek<sup>\*</sup> Sleek<sup>\*</sup>

Cell Phone Signal Booster with Built-in Antenna

U.S. Patent Nos. – D626,953; 7,221,967; 7,729,669; 7,486,929; 7,729,656; 7,409,186; 7,783,318; 7,684,838

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To boost your phone's signal power, the phone must be placed in the Sleek cradle. For best results, use a Bluetooth® headset or hands free device, while the phone remains in the Sleek.

Note: This manual contains important safety and operating information. Please read and follow the instructions in this manual. Failure to do so could be hazardous and result in damage to your Sleek.

Appearance of device and accessories may vary.



#### Sleek<sup>®</sup>

Model #2B5225 FCC: PWO2B5225 IC: 4726A-2B5225

Sleek® 4G-A operates on 700 MHz Band 12/17 (Band 12/17 is AT&T® LTE) Model #2B5325 COMING SOON

Sleek® 4G-V operates on 700 MHz Band 13 (Band 13 is Verizon Wireless™ LTE) Model #2B5125 FCC: PWO2B5125

FCC requires to never use the cell phone in the cradle next to your ear.

#### Inside this Package







Power Supply & USB cable





Adjustable Arms



Vehicle Dash Adhesive Mounting Bracket

#### Antenna Options

Although the convenient Mini-Magnet Mount Antenna may have been included with your kit, Wilson Electronics offers a wide variety of Outside Antennas to help you customize your Signal Booster for a specific application. All models shown below double the power to the cell tower compared to the Mini-Magnet antenna. See your dealer or visit www.WilsonElectronics.com for more information.



Contact Wilson Electronics Technical Support Team with any questions at 866-294-1660

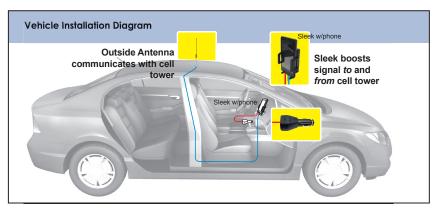
or email: tech@wilsonelectronics.com. Mon.- Fri. Hours: 7 am to 6 pm MST.

#### General

Your Wilson Electronics Sleek has been carefully engineered to significantly improve the performance of your phone. Together with an Outside Antenna, the Sleek's state-of-the-art circuitry is designed to increase your phone's signal to and from the cell tower. The Sleek reduces disconnects and dropouts and increases data communication rates on 2G, 3G networks and 4G networks (in some models).

#### How it Works

With the phone in the cradle and while using a wireless Bluetooth headset (or hands free device) the Outside Antenna collects the cell tower signal and sends it through the cable to the Sleek. The signal is then boosted by the Sleek and sent to the phone. When the phone transmits, the signal is picked up wirelessly and boosted by the Sleek and transmitted back to the cell tower through the Outside Antenna.



NOTE: The cell phone must be placed in the cradle to work properly.

Warning: DO NOT use phone covers that have chrome or any other metallic surface. It may block cellular signals

#### Vehicle Installation

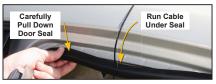
#### 1. Install the Outside Antenna

To receive the best cell signal, select a location for the Outside Antenna that is preferably in the center of the vehicle's roof, 12 inches away from any other antennas, free of obstructions, and at least 6 inches from the rear or side windows or sunroof.



The Outside Antenna must be installed vertically. Antenna performance will be degraded if the antenna is not vertical.

The antenna cable is small yet strong enough that it may be shut in most vehicle doors without damaging the cable.



For a more professional looking installation, run the antenna cable under the door seal. Carefully pull down the door seal. Run the cable under the seal and push the seal back into place. This prevents constant wear and tear on the cable as the door opens and closes. The antenna cable is small enough to easily tuck under the door seal or plastic molding.

Contact Wilson Electronics Technical Support Team with any questions at 866-294-1660 or email: tech@wilsonelectronics.com. Mon.- Fri. Hours: 7 am to 6 pm MST. **RF Safety Warning:** The Outside Antenna must be either a Wilson Electronics Magnet-Mount or Mini-Magnet Mount antenna and requires at least an 8 inch separation distance from all persons. Other Outside Antennas may be used with fixed building installations provided that (a) they are located with at least a 30 inch separation distance from all persons, (b) their gain less cable loss does not exceed 15 dBi, and (c) they are not operating in conjunction with any other antenna or Signal Booster.

#### 2. Attach the Mounting Bracket

A mounting bracket is provided for attaching the Sleek to your vehicle's dash. Other options are also available from Wilson Electronics.



- ADHESIVE BRACKET- Included in this package
- 1. Clean the area where the bracket is to be mounted with the supplied alcohol wipe. Allow to dry.
- Peel the backing to expose the adhesive and press the bracket onto the desired location in the vehicle. Note: Be sure the tab is positioned vertically, not horizontally.
- 3. Allow the adhesive to cure for 24 hours before you attach the Sleek.

#### 3. Attach the Sleek® to the Bracket

Once you have installed the bracket in the desired location, and waited 24 hours for adhesive to cure, attach the Sleek by aligning the rectangular hole on its back with the tab on the mount bracket, grasping the sides of the Sleek, and sliding it downward approximately ¼ inch into place.

Once the cradle is attached, you can adjust the angle of the adhesive bracket by applying gentle pressure to the top or bottom of the Sleek. The bracket is designed to swivel when the knurled nut is loosened for greater adjustability of the Sleek viewing angle. To lock bracket into position, tighten large nut.

### 4. Attach the Outside Antenna cable to the Sleek®

Attach the cable from the Outside Antenna to the antenna connector on the Sleek. (See Figure 1)

#### Power up the Wilson Electronics Sleek®

Accessory port to power your phone, some adapters available through Wilson Electronics at 866-294-1660. (See Figure 2)

Connect the mini-USB plug on the power cable to the Sleek's mini USB port located on the bottom of the Sleek and insert the adapter into the vehicle power adapter of your vehicle. The Sleek may remain on all the time. However, leaving the Sleek on in a vehicle when it is not running can discharge the battery in a day or two.

**Note:** The 12V DC power source on many vehicles is shut off with the ignition key.

Warning: Use only the supplied Wilson Electronics power supply.

Warning: Make sure the Outside Antenna cable is connected before powering up the Sleek.





Sleek Power port. Connect the Wilson Electronics's power supply



Accessory USB Power port

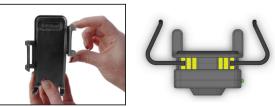
Contact Wilson Electronics Technical Support Team with any questions at 866-294-1660 or email: tech@wilsonelectronics.com. Mon.- Fri. Hours: 7 am to 6 pm MST.

### Adjusting the Sleek® Arms

Included with your Sleek are various sized arms, which will provide you with multiple options to customize the Sleek to fit your phone.



1. Change arms Gently grab the arm and lift upward until the arm slides free from the Sleek.



2. Reposition arms

Position the arm above a different slot on the Sleek (indicated by the yellow in the drawing). Gently slide the arm down until the arm is firmly in place.

NOTE: The cell phone must be placed in the Sleek to work properly. Use a Bluetooth or wired hands free device.

#### Understanding the Sleek® Lights

Separation of the Sleek and the Outside Antenna is very important. In a vehicle, the metal roof acts as a barrier and helps shield the two antennas from each other, preventing oscillation (feedback).

Oscillation can occur when the roof mounted antenna is too close to the Sleek inside the vehicle. An oscillation (or feedback) in the Sleek is similar to when a microphone is too close to a speaker in a sound system, resulting in a loud whistle. An oscillation in the Sleek, if allowed to occur, can affect nearby cell towers' ability to handle calls.

Green light is on : Sleek is operating properly

#### SYMPTOM: No light, or light always off

- Make sure that the power supply for the Sleek is functioning properly, by making sure the light located on the power supply is lit.
- If the DC plug-in power supply is properly inserted, but the plug's light doesn't come on, then check the 12 volt power from the car socket, and check the fuse in the DC plug-in power supply.



#### SYMPTOM: Red light is on

1. If the light is red, the Sleek has powered down to protect the cell tower. See section above "Separation of Sleek and the outside antenna is very important." If the light turns red, the Sleek has powered down to protect the cell tower from oscillation. The red light indicates the outside roof mounted antenna needs to be moved farther from the Sleek. In a vehicle installation, move the Outside Antenna on the roof of the car farther to the rear of the car, but at least 6 inches from the rear or side windows or sunroof. To reset the Sleek, disconnect and reconnect the power supply. If the light is now green, the Sleek is working properly. If the red light is still on, move the Outside Antenna farther away and repeat the process.

#### Troubleshooting

#### SYMPTOM: No increase in bars

- 1. Make sure that the antenna connector is tight.
- 2. The cell phone must be placed in the Sleek cradle to amplify properly.
- 3. Call Wilson Electronics Technical Support at 866-294-1660.

\rm Marning: DO NOT use phone covers that have chrome or any other metallic surface. It may block cellular signals

#### In-Building Installation

#### Installing a Wilson Electronics Outside Antenna in a Building

Follow the specific antenna instructions included with the Outside Antenna (sold separately except for certain kits). These instructions assume that you are using a Wilson Electronics Mini-Magnet Mount Antenna and the optional suction cup window bracket.

To receive the best signal, select a window on the side of your building where your outside signal is the strongest.



Attach the suction cup bracket to the inside of a window so that the cable will reach the location of the Sleek. Place the bracket as high on the window as possible for best performance.

Once the bracket is in place, attach the magnet base of the antenna to the flat surface of the bracket. *Note:* The antenna must be installed vertically. Signal performance will be degraded if the antenna is not vertical.

#### Installing the Wilson Electronics Sleek® Signal Booster in a Building

The Wilson Electronics Sleek may be placed in any convenient indoor location, such as a desk or tabletop. The cell phone or data card must be in the cradle and a Bluetooth headset used for voice communications.

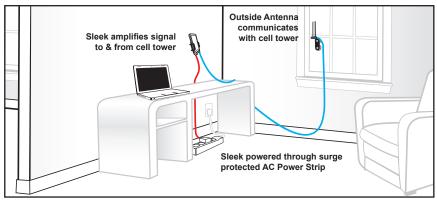
#### Attaching the Antenna

Once you have selected the location for the Sleek, run the cable from the outside antenna and attach it to the SMA connector on the bottom of the Sleek.

Note: The cell phone must be placed in the Sleek cradle to amplify properly.

Adapter Note: For optimal performance and to maintain a secure connection, we recommend attaching the included velcro tab. If adapter becomes lose in the port, gently squeezing the adapter end will restore a snug fit.

Warning: The Sleek and the Outside Antenna must have a minimum separation of 3 feet to prevent oscillation.



# IMPORTANT NOTICE

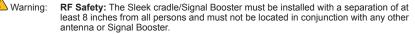
- It is very important to power your Signal Booster using a surge protected AC Power Strip with at least a 1000 Joule rating.
- Failure to do this will void your warranty in the event of a power surge or lightning strike.

Contact Wilson Electronics Technical Support Team with any questions at 866-294-1660 or email: tech@wilsonelectronics.com. Mon.- Fri. Hours: 7 am to 6 pm MST.

#### Warnings



rning: Do not plug in the power supply until the Outside Antenna cable is attached to the Sleek.



Warning **RF Safety:** The FCC requires that a cell phone with cradle attached may only be used with the cradle mounted as illustrated in this installation guide. A cell phone held near the ear must be without the cradle attached.

Warning: RF Safety: The Outside Antennas authorized for use with this Signal Booster are shown on page 1 of this guide. FCC regulations require that any fixed Outside Antenna used with this Signal Booster may not have gain (less cable loss) that exceeds 15 dBi and must be located at least 30 inches from all people. Inside Antennas must not exceed 3.7 dBi gain (less cable loss) and must be located 8 inches from all people.



DO NOT use phone covers that have chrome or any other metallic surface. It may block cellular signals.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications made that are not expressly approved by Wilson Electronics could void authority to operate this equipment.

#### 30-Day Money-Back Guarantee

All Wilson Electronics products are protected by Wilson Electronics 30-day money-back guarantee. If, for any reason, the performance of any product is not acceptable, simply return the product directly to the reseller with a dated proof of purchase.

#### 1-Year Warranty

Wilson Electronics Signal Boosters are warranted for one (1) year against defects in workmanship and/or materials. Warranty issues may be resolved by returning the product directly to the reseller with a dated proof of purchase.

Signal Boosters may also be returned directly to the manufacturer at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by Wilson Electronics. Wilson Electronics shall, at its option, either repair or replace the product. Wilson Electronics will pay for delivery of the repaired or replaced product back to the original consumer within the continental United States.

This warranty does not apply to any Signal Boosters determined by Wilson Electronics to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

Failure to use a surge protected AC Power Strip with at least a 1000 Joule rating will void your warranty.

RMA numbers may be obtained by contacting Technical Support at 866-294-1660.

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#### About Wilson Electronics

Wilson Electronics, Inc. has been a leader in the wireless communications industry for over 40 years. The company designs and manufactures Signal Boosters, antennas and related components that significantly improve cellular phone signal reception and transmission in a wide variety of applications, both mobile (marine, RV, vehicles) and in-building (home, office, M2M).

With extensive experience in antenna and Signal Booster research and design, the company's engineering team uses a state-of-the-art testing laboratory, including an anechoic chamber and network analyzers, to fine-tune antenna designs and performance. For its Signal Boosters, Wilson Electronics uses a double electrically shielded RF enclosure and cell tower simulators for compliance testing.

Wilson Electronics Signal Boosters feature patented Smart Technology II<sup>™</sup> that enables them to automatically adjust their power based on cell tower requirements. By detecting and preventing oscillation (feedback), signal overload and interference with other users, these Smart Technology II<sup>™</sup> Signal Boosters improve network cell phone areas without compromising carrier systems.

All products are engineered and assembled in the company's 55,000-square-foot headquarters in St. George, Utah. Wilson Electronics has product dealers in all 50 states as well as in countries around the world.

Contact Wilson Electronics Technical Support Team with any questions at 866-294-1660 or email: tech@wilsonelectronics.com. Mon.- Fri. Hours: 7 am to 6 pm MST.

## 6

Media     2004     Served     Served <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>								
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ENAMP     Solutional     Solutional </th <td>Model Number</td> <td></td> <td>397.</td> <td>977</td> <td></td> <td>285125</td> <td></td> <td>289325</td>	Model Number		397.	977		285125		289325
Biotenia	Connectors		SMAF	emale		SMA Female		SMAFemale
B24-894 MHz / 1850-1900 MHz     B204B (typlish)/30 GB (maximum)       20 GB (typlish)/30 GB (maximum)     10 MHz/45 MHz       10 Uplink / Downlink     30 MHz/45 MHz       112 MHz/45 MHz     13.0 MHz       112 MHz/45 MHz     13.0 MHz       112 MHz/45 MHz     13.0 GBm       112 MHz/45 MHz     10.0 Bm       113 GBm     13.0 GBm       113 GBm     13.0 GBm       113 GBm     13.0 GBm       113 GBm     13.0 GBm       11.0 GBm     13.0 GBm       11.0 GBm     13.0 GBm       11.1 GBm     1.1 GBm       11.1 GBm     2.1 GBm       11.1 GBm     2.1 GBm       11.1 GBm     2.3 GBm       11.1 GBm     2.3 GBm       11.1 GBm     2.1 GBm	Impedance (input/output)		50 0	hms		50 ohms		50 ohms
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Sold Bygales / 30 dB (maximum)     Field (hyglal) / 23 dB (myclal) / 23	'Passband Gain (nominal)							
Uplick Downlink     Uplick Downlink     Uplick Downlink     Null			20 dB (typical) / 3	0 dB (maximum)	19 dB (	typical) / 23 dB (	naximum)	
0     51.0 MH2/45 MH2     51.0 MH2/45 00 MH2     150.0 MH2	<sup>2</sup> 20 dB Bandwidth (nominal)		Uplink / E	Downlink	Uplink / Do	ownlink	Max	
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30.0 dBm     32.6 dBm     NA     20.3 dBm       30.13 dBm     31.9 dBm     NA     27.6 dBm       30.13 dBm     31.4 dBm     NA     27.6 dBm       30.13 dBm     13.0 MHz     70 MHz     27.6 dBm     27.6 dBm       30.13 dBm     11.0 dBm     NA     27.6 dBm     27.6 dBm       30.13 dBm     1.3 dBm     NA     1.1 dBm     1.1 dBm       -1.3 dBm     1.3 dBm     NA     -1.1 dBm     2.6 dBm       -1.3 dBm     1.3 dBm     NA     -1.3 dBm     2.7 dBm       NMME     NA     2.3 dBm     NA     -2.9 dBm       NA     NA     2.1 dBm     2.2 dBm     -3.0 dBm       NA     NA     2.1 dBm     2.2 dBm     -3.0 dBm       NA     NA     2.1 dBm     2.2 dBm     -3.0 dBm       NA     2.7 dBm     1.6 dBm     16.0 dBm     14.6 dBm       1.1 dBm     -3.6 dBm     16.0 dBm     14.6 dBm     14.6 dBm       2.1 dBm     -3.6 dBm     16.0 dBm     16.0 dBm     14.6 dBm			28.9 dBm	31.8 dBm	A/N	27.8 dBm	29.3 dBm	
309 eBm     319 eBm     NA     270 eBm       00     30.4 Bm     NA     270 eBm       0.13 eBm     NA     255 eBm     276 eBm       0.13 eBm     NA     255 eBm     276 eBm       0.13 eBm     NA     216 eBm     276 eBm       0.13 eBm     10 eBm     NA     11 eBm       13 eBm     13 eBm     NA     11 eBm       13 eBm     13 eBm     NA     23 eBm     23 eBm       NA     13 eBm     NA     23 eBm     23 eBm       NA     23 eBm     NA     23 eBm     24 eBm       14 eB     24 eBm     13 eB     14 eB     13 eB       14 eB     38 eBm     14 eB     13 eB     14 eB     14 eB       14 eB     24 eBm     24 eBm     13 eB     16 eB     16 eB     16 eB /</th <td>USB</td> <td></td> <td>30.9.dBm</td> <td>32.6.dBm</td> <td>N/A</td> <td>28.3 dBm</td> <td>28.1 dBm</td> <td></td>	USB		30.9.dBm	32.6.dBm	N/A	28.3 dBm	28.1 dBm	
Mode     31.4 Gbm     N/A     27.6 dbm       N/A     N/A     2.6.5 Gbm     27.6 dbm       N/A     19.0 MHz     700 MHz     27.6 dbm       1.1 dbm     -1.3 dbm     N/A     -1.1 dbm       -1.3 dbm     1.3 dbm     N/A     -1.1 dbm       -1.3 dbm     1.3 dbm     N/A     -2.3 dbm       -1.3 dbm     N/A     2.3 dbm     N/A     -2.3 dbm       Nubbe of     2.3 dbm     N/A     -2.3 dbm     -1.1 dbm       Nubbe of     NA     1.1 dbm     -1.1 dbm     -3.0 dbm       Nubbe of     800 MHz     1.0 dbm     -1.1 dbm     -3.0 dbm       Nubbe of     800 MHz     1.0 dbm     -2.0 dbm     -1.0 dbm       1.1 dbm     2.1 dbm     -2.1 dbm     -3.0 dbm     -3.0 dbm       1.1 dbm     -1.1 dbm     2.1 dbm     -3.0 dbm     -3.0 dbm       1.1 dbm     -1.1 dbm     -1.1 dbm     -3.0 dbm     -3.0 dbm       1.1 dbm     -1.1 dbm     -1.1 dbm     -3.0 dbm     -3.0 dbm       1.1 dbm	FUGF		30 9 dBm	31 9 dBm	A/N	27.0 dBm	27.5 dBm	
NA     NA     NA     NA     Z6.6 dBm     Z7.5 dBm       NA     1900 MHz     1900 MHz     1900 MHz     100 dBm     N/A     -11 dBm       -1.3 dBm     1.3 dBm     N/A     -11 dBm     N/A     -11 dBm       -1.3 dBm     1.3 dBm     N/A     -13 dBm     N/A     -13 dBm       -1.3 dBm     2.1 dBm     N/A     -2.3 dBm     N/A     -2.3 dBm       NM     2.3 dBm     N/A     -2.3 dBm     N/A     -2.9 dBm       NM     N/A     2.1 dBm     2.3 dBm     N/A     -2.9 dBm       NM     N/A     2.1 dBm     N/A     -2.9 dBm     169       2     4     N/A     2.1 dBm     16.5     -11       3     -1.1 dBm     -5.8 dBm     16.6     -2.4     -13.0       1.1 dBm     -3.4 dBm     16.6     -3.0 dBm     -13.0     -13.0       1.1 dBm     -1.1 dBm     -1.4 dBm     16.0     -13.0     -13.0       1.1 dBm     -1.1 dBm     -3.4 dBm     16.0 <t< th=""><td>WCDMA</td><td></td><td>30.13 dBm</td><td>31.4 dBm</td><td>A/N</td><td>27.5 dBm</td><td>26.9 dBm</td><td></td></t<>	WCDMA		30.13 dBm	31.4 dBm	A/N	27.5 dBm	26.9 dBm	
0     800 MHz     1900 MHz     700 MHz     800 MHz     800 MHz     800 MHz     800 MHz     11 dBm     N/A     -11 dBm     1/A     -11 dBm     1/A     -11 dBm     N/A     -13 dBm     N/A     -23 dBm     -30 dBm <td>LTE</td> <td></td> <td>N/A</td> <td>N/A</td> <td>26.5 dBm</td> <td>27.5 dBm</td> <td>28.4 dBm</td> <td></td>	LTE		N/A	N/A	26.5 dBm	27.5 dBm	28.4 dBm	
	Power output for single cell phone (dowlink) dBm		800 MHz	1900 MHz	700 MHz	800 MHz	1900 MHz	
-13 dBm     13 dBm     N/A     -17 dBm       32 dBm     21 dBm     N/A     20 dBm       2.1 dBm     N/A     20 dBm     23 dBm       2.1 dBm     N/A     20 dBm     23 dBm       2.1 dBm     N/A     20 dBm     20 dBm       2.1 dBm     2.1 dBm     20 dBm     100       Advalue     800 MHz     100 MHz     100       Advalue     20 dBm     16.6     100       3     4.7 dBm     16.6     20 dBm       4     2.1 dBm     2.0 dBm     16.6       4     2.1 dBm     16.6     13.0       4.1 dBm     2.6 dBm     14.6     13.0       4.1 dBm     2.7 dBm     16.6     13.0       4.1 dBm     2.7 dBm     14.6     13.0       4.1 dBm     2.6 dBm     13.0     14.6       5.1 dBm     2.6 dBm     13.0     14.6       6     3     3.0 MHz     13.0       6     3.0 dB notest     13.0     14.6       7.1 dBm <td></td> <td></td> <td>-9 dBm</td> <td>1.0 dBm</td> <td>N/A</td> <td>-1.1 dBm</td> <td>-2.1 dBm</td> <td></td>			-9 dBm	1.0 dBm	N/A	-1.1 dBm	-2.1 dBm	
-13 dBm     21 dBm     N/A     23 dBm       Number     NA     23 dBm     23 dBm     23 dBm       Number     NA     23 dBm     23 dBm     20 dBm       Number     NA     21 dBm     20 dBm     20 dBm       Number     800 Mbz     100 Mbz     20 dBm     190       1     1 dBm     22 dBm     160     190       2     -11 dBm     22 dBm     165     190       1     -11 dBm     -56 dBm     165     24       6     -11 dBm     -56 dBm     165     24       1     -12 dBm     -56 dBm     165     24       1     -13 dBm     -56 dBm     165     24       2     -91 dBm     -56 dBm     146     180       1     -24     -24     -24     24       2     -24     -24     -24     -24       2     -24     -24     -24     -24       2     -24     -24     -24     -24	GSM		-1.3 dBm	1.8 dBm	N/A	-1.7 dBm	-2.7 dBm	
32 dBm     23 dBm     N/A     29 dBm       N/A     V/A     21 dBm     30 dBm       N/A     N/A     21 dBm     30 dBm       Annols     800 MHz     190 MHz     190       Annols     30 MHz     190 MHz     190       A     7 dBm     14 dBm     16.0       3     4.7 dBm     58 dBm     16.5       4.7 dBm     58 dBm     16.6     14.6       9     1 dBm     58 dBm     16.6       10,0 MHz     14.6     13.0     14.6       10,0 MHz     13.0     14.6     10.4       10,0 MHz     13.0     10.4     10.4       10,0 MHz     10.4     10.4     10.4       10,0 MHz     10.4     10.4     10.4       10,0 MHz     10.4 </th <td>EDGE</td> <td></td> <td>-1.3 dBm</td> <td>2.1 dBm</td> <td>N/A</td> <td>-2.3 dBm</td> <td>-2.1 dBm</td> <td></td>	EDGE		-1.3 dBm	2.1 dBm	N/A	-2.3 dBm	-2.1 dBm	
NA     NA     21 dBm     -30 dBm       Mumber of tammels     Maximum Power     21 dBm     -30 dBm     -30 dBm       3     -11 dBm     2.2 dBm     190 MHz     800 MHz     180 MHz     190       2     -11 dBm     -2.2 dBm     19.0 MHz     10.0 MHz     19.0 MHz     19.0 MHz     19.0 MHz     10.0 MHz	WCDMA		.32 dBm	2.3 dBm	N/A	-2.9 dBm	-4.7 dBm	
Maximum Power     Maximum Power       Number of a     Boo MHz     Boo MHz     Boo MHz     Power       2     -1:1 dBm     2.2 BBm     22.5     20.0     22.5     20.0     20.0     22.5     20.0     22.5     20.0     22.5     20.0     22.5     20.5     22.5     20.5     22.5     20.5     22.5     20.5     22.5     20.5     22.5     22.5     22.5     22.5     22.5     22.5     22.5     22.5     22.5     22.5     22.5     22.5     22.5     22.5     22.6     22.5     22.6     22.5     22.6     22.6     22.6     23.0     24.6     22.6     23.6	LTE		N/A	N/A	-2.1 dBm	-3.0 dBm	-4.4 dBm	
Advances     BOD MHz     1900 MHz     800 MHz     800 MHz     800 MHz     800 MHz     800 MHz     22.6 Bm     22.5 Bm     22.5 Bm     22.5 Bm     22.6 Bm     16.5 Bm     22.6 Bm     13.0 Bm     16.5 Bm     22.6 Bm     13.0 Bm     16.5 Bm     22.6 Bm     13.0 Bm	<sup>4</sup> Power output for multiple eceived channels (uplink). The maximum counter is reduced by the	Providential N	Maximum Power <sup>3</sup>					
2     -11.05m     22.65m     22.5       3     -7.2 65m     14.46m     18.0       6     -7.2 65m     16.6     14.46       6     -10.7 65m     16.6     14.6       10.7 65m     -5.8 65m     14.6     14.6       10.7 65m     -5.8 65m     14.6     13.0       by     Number of     -10.7 65m     14.6       0     0.00m+     -7.4 65m     13.0       0     channels     -10.7 65m     -2.24       3	number of channels:	channels	800 MHz	1900 MHz	800 MF	łz	1900 MHz	
3     -4.7.6km     -14.6km     19.0       4     -2.8.0km     16.6		2	-1.1 dBm	2.2 dBm	22.5		17.9	
4     -7.2 dBm     -39.06m     16.5       6     -0.7 dBm     -58.06m     14.6       6     -0.7 dBm     -7.4 dBm     13.0       by     Number of channels     -7.4 dBm     13.0       2     -0.7 dBm     -7.4 dBm     13.0       3     -0.7 dBm     -7.4 dBm     13.0       4     -0.7 dBm     -7.4 dBm     -7.4 dBm       3     -0.7 dBm     -7.4 dBm     -7.4 dBm       3     -0.0 dB     -5.0 dB     -5.0 dB       4     -0.0 dB     -1.0 dB     -1.0 dB       5     -0.0 dB     -1.0 dB     -1.1 dB       5     -0.0 dB     -1.0 dB     -1.1 dB       5     -0.0 dB     -1.0 dB     -1.0 dB       6     -0.0 dB     -1.0 dB     -1.0 dB       5     -0.0 dB     -0.0 dB     -1.0 dB       6     -0.0 dB     -0.0 dB     -0.0 dB       7     -0.0 dB     -0.0 dB     -0.0 dB		l et	-4.7 dBm	-1 4 dBm	10.0		14.3	
5     -9.1 dBm     -58 dBm     14.6       0.7 dBm     -1.0.7 dBm     13.0       Number of     -1.0.7 dBm     13.0       2     -1.6.1 dBm     -1.4       3     -1.6     -2.4       4    2.4     -2.4       5    2.4     -2.4       3    1.19     -1.19       5    1.19     -1.19       5    1.19     -1.19       5    1.19     -1.19       5    1.19     -1.19		4	-7.2 dBm	-3.9 dBm	16.5		11.8	
6     -10.7 dBm     -7.4 dBm     13.0       by     Number of channels     Maximum Power     -3.0       2     2     -5.0     -5.0       4     3     -5.0     -5.0       4     -3     -5.0     -5.0       5     -10.4     -10.4     -5.4       6     -3.0 MHz     -3.6     -5.0       7     -3.0 MHz     -3.4     -5.4       6     -3.0 MHz     -3.4     -3.4       7     -3.4     -3.4     -3.4       7     -3.4     -3.4     -3.4       7     -3.4     -3.4     -3.4       7     -3.4     -3.4     -3.4       7     -3.4     -3.4     -3.4       7     -3.4     -3.4     -3.4       7     -3.4     -3.4     -3.4       7     -3.4     -3.4     -3.4       7     -3.4     -3.4     -3.4     -3.4       7     -3.4     -3.4     -3.4     -3.4<		4	-0.1 dBm	- F. A. Rm	14.6		00	D
Dy channels     Maximum Power <sup>4</sup> 2     800 MHz       2     24       3     60       4     -0.04       6     -10.4       3     3 dB normfell       -119     -119       -204     -119       5     -119       6     -119       5     -119       5     -115       5     -115		9	-10.7 dBm	-7.4 dBm	13.0		8.3	
2 2 2 3 3 3 4 5 5 3 4 3 4 3 4 5 3 4 3 4 5 3 4 5 5 3 4 5	14Power output for multiple received channels (downlink). The maximum power is reduced by	Number of channels	Maximum Power <sup>a</sup>					0
2 24 3 24 6 5 1119 6 1119 1119 1119 1119 1119 1119 11	he number of channels:				800 MF	Įz	1900 MHz	
3509 454 5104 6104 -11.9 -		2			-2.4		-4.7	
4		e			-5.09		-8.2	
5 -10.4 6 3 dB nominal > 3 dB nominal > 40 cG A		4			-8.4		-10.7	
6		5			-10.4		-12.7	
		9			-11.9		-14.3	
	Noise Figure (typical)		3 dB no	minal				
	Isolation		> 40 (	8				
	Power Requirements		5V DC	, 1A				
	4. The maximum power for 2 or more simultaneous signals will be reduced by 6 dB every time the number of signals is doubled	neous signals wil	I be reduced by 6 dB every	time the number of signal	Is is doubled.			

Signal Booster Specifications



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