

OTHER TELECOMMUNICATION DEVICES

Cellular Booster System



Don't go without cellular service in fringe areas that just need a little 'boost'. Virgin Technologies' Cellular Booster System is one of the most powerful boosters available. Depending on the terrain, this system will provide you with cellular service in locations up to 100km from the originating cellular tower. An excellent solution for drilling rigs and camps that have poor cellular service, but are not so remote that cellular service is completely unavailable.

Powerful Cellular Booster With Up To 100km Range

FEATURES & BENEFITS

RELIABLE

- Will provide cellular service in locations up to 100km from the originating cellular tower.

CUSTOMIZABLE

- User adjustable gain for optimized performance.

CONVENIENT

- Keep workers in touch and speed up communication around the rig or camp by enabling or improving cellular service.

DATA SERVICE

- Allows for digital, 1X data and analog service (depending on availability at tower).

POWERFUL

- Extremely high receiver sensitivity allows for operation with very weak signals where lesser repeater would not function.

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Weight	40lbs (20kg) typical
Dimensions	Length: 14.5" (36cm) Width: 16.5" (41cm) Depth: 11.5" (29cm)

TOLERANCES

Ambient operating temperature	-20°C to +60°C (-4°F to +140°F)
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Frequency Range	Down-link 824-849MHz / Up-link 869-894MHz
Overall Systems Gain	(3dB Pass Band): 110dB min for 15dB S/N
Pass Band Ripple	+/- 2.5dB max. within 3dB Pass Band
Channel Ripple	0.2dB max.
Group Delay Variation	90% of 3dB Bandwidth: typical 65 nsec
Absolute Delay	Less than 2 Micro sec.
Phase Linearity	90% of 3dB Bandwidth: typical 9.2 deg
Rx Noise Figure @ max. Gain	3.7dB typical
IMD 2 tone / 4 tone	51dBc typical / 48dBc typical
Power output @ 1dB gain compression	+39dbm RMS (up and down link)
Manual Gain Control	50dB total in 2dB steps
Power Supply	28VDC / 140Watts or 90 to 260 AC / 150Watts consumption

Discover how far our Cellular Booster can take you.
Visit www.virgintechnologies.com or call 1-866-788-8728.