



Innovative Technology
for a Connected World

4G/3G Multiband Phantom® Antenna

TRA6927M3



4G/3G PHANTOM® ANTENNA IDEAL FOR 700/806/850/1800/1900/2100/2300/2500/2600 MHZ APPLICATIONS

Technologies' unique Phantom® antenna operates simultaneously in the 698-960 MHz and 1700-2700 MHz bands, making it ideal for 4G/3G applications. The mechanically robust design is suitable for both indoor and outdoor applications with wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications. The antenna is ideal for both ceiling and surface mount applications.

FEATURES

- Mechanically robust for both Indoor/Outdoor applications
- Applicable for both 3G and 4G application
- Domestic LTE 700 band and Global LTE 2600 band
- WiMAX 2300/2500/2600 bands
- Domestic Cellular and Global GSM
- Phantom out-performs a 3 dBi whip in many applications

MARKETS

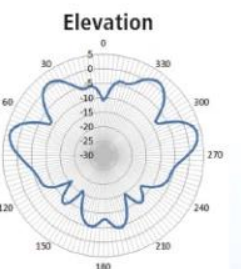
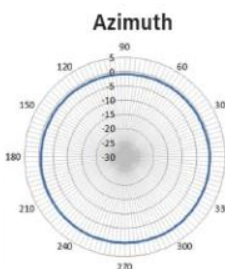
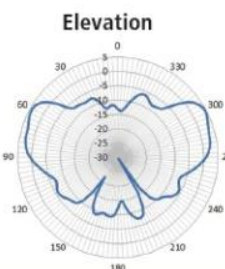
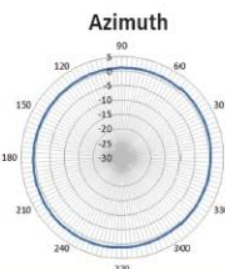
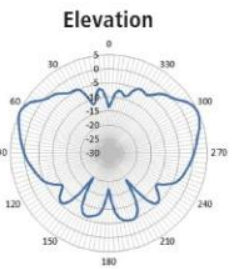
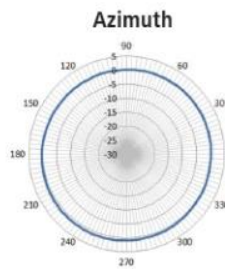
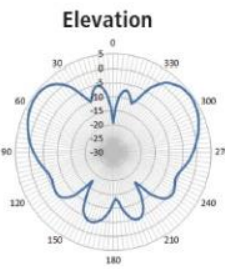
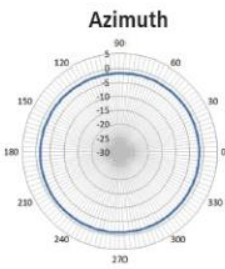
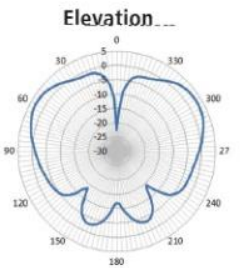
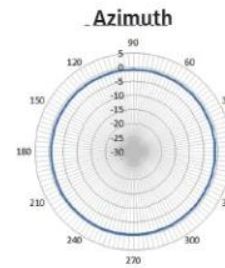
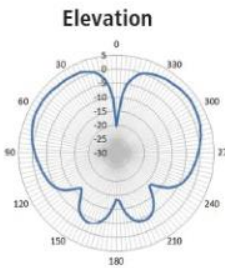
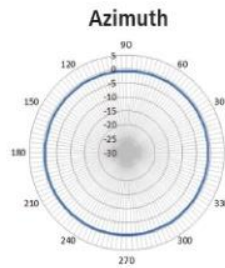
- Public Safety
- Cellular
- M2M
- Utilities
- Data transport
- Transportation
- IBW



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4G/3G Multiband Phantom[®] Antenna TRA6927M3

ANTENNA PATTERNS



1950 MHz

2700 MHz



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4G/3G Multiband Phantom® Antenna

TRA6927M3

SPECIFICATIONS

ELECTRICAL	
Frequency Range	698-960 MHz, 1710-2700 MHz
VSWR	
698-806 MHz	< 2.5: 1.0
806-960 MHz	< 2.0: 1.0
1710-2110 MHz	< 2.0: 1.0
2110- 2170 MHz	< 2.5: 1.0
2300- 2700 MHz	< 2.0: 1.0
Nominal Peak Gain	
698-960 MHz	3.5 dBi
1710-1990 MHz	5.5 dBi
2100-2700 MHz	4.6 dBi
Average Efficiency	
698-960 MHz	90% (max: 96%)
1710-1990 MHz	91% (max: 95%)
2100-2700 MHz	80% (max: 86%)
Polarization	Vertical
Pattern	Omnidirectional
Input Impedance	50 Ω
Maximum Power	100 W
Cable & Mount	MB195 (Sold Separately)
Terminations	NMO or P-Mount w/Type N(f)
MECHANICAL	
Color	Black or white available
Radome Material	High Heat ABS
Dimensions (Ht. x dia.)	3.3" (8.38 cm) x 1.44" (3.65 cm)
Operating Temperature	-40° C to 85°C

MODEL AND ORDERING INFORMATION

MODEL	DESCRIPTION	COLOR	RADOME HEIGHT	WEIGHT CONNECTOR
TRA6927M3PB-001	4G/3G Phantom®	Black	3.30"	0.38 lbs Type N(f)
TRA6927M3NB-001	4G/3G Phantom®	Black	3.30"	0.28 lbs NMO
TRA6927M3PW-001	4G/3G Phantom®	White	3.30"	0.38 lbs Type N(f)
TRA6927M3NW-001	4G/3G Phantom®	White	3.30"	0.28 lbs NMO

Permanent Mounting Option:

The letter "P" in the above part numbers indicates a permanent mounting option