



PHANTOM ELITE

VHF Antennas

The Phantom Elite patented technology is beneficial when high performance is desired and extreme ruggedness and low profile is required. Measuring only 2.4 inches tall, the Phantom Elite VHF antenna models' revolutionary design features field diversity with both vertical and horizontal polarization components. This gives the antenna diversity, frequency agility, low visibility, wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications.

FEATURES

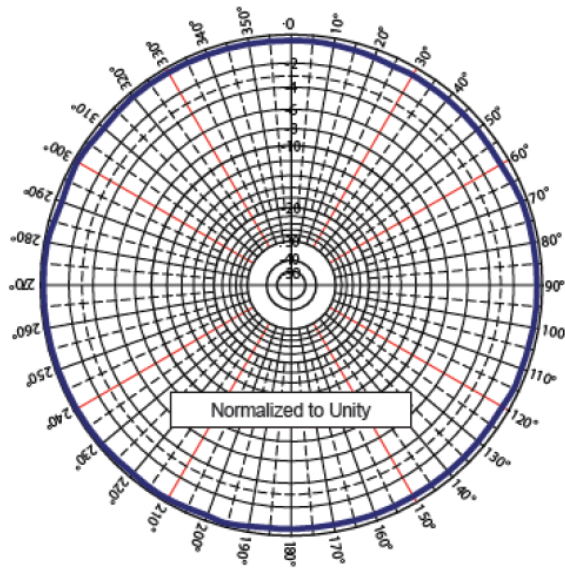
- Cross polarization design ensures uninterrupted transmissions in urban canyons and rural drop-off areas
- Phantom outperforms a whip in many applications
- U.S. Patent Nos. 5,977,931 - 6,292,156 and 7,209,096

APPLICATIONS

- Public safety
- Transportation
- Utility
- Military mobile
- Fixed radio applications

MODEL	DESCRIPTION	FREQ. RANGE	GAIN	COLOR	RADOME HEIGHT	MAX
ETRA1440	Phantom Elite VHF Antenna	144-148 MHz	Unity	White	6.0325 cm (2.375 in.)	60 W
ETRAB1440	Phantom Elite VHF Antenna	144-148 MHz	Unity	Black	6.0325 cm (2.375 in.)	60 W
ETRA1500	Phantom Elite VHF Antenna	150-155 MHz	Unity	White	6.0325 cm (2.375 in.)	60 W
ETRAB1500	Phantom Elite VHF Antenna	150-155 MHz	Unity	Black	6.0325 cm (2.375 in.)	60 W
ETRA1550	Phantom Elite VHF Antenna	155-160 MHz	Unity	White	6.0325 cm (2.375 in.)	60 W
ETRAB1550	Phantom Elite VHF Antenna	155-160 MHz	Unity	Black	6.0325 cm (2.375 in.)	60 W
ETRA1650	Phantom Elite VHF Antenna	165-170 MHz	Unity	White	6.0325 cm (2.375 in.)	60 W
ETRAB1650	Phantom Elite VHF Antenna	165-170 MHz	Unity	Black	6.0325 cm (2.375 in.)	60 W
ETRA2100	Phantom Elite VHF Antenna	210-225 MHz	Unity	White	6.0325 cm (2.375 in.)	60 W
ETRAB2100	Phantom Elite VHF Antenna	210-225 MHz	Unity	Black	6.0325 cm (2.375 in.)	60 W

ANTENNA PATTERN



Azimuth Pattern, (X, Y or E-Plane)

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

TE, TE Connectivity, TE connectivity (logo), and EVERY CONNECTION COUNTS are trademarks owned or licensed by the TE Connectivity plc family of companies. Other product names, logos, and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, complete, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES REGARDING THE INFORMATION CONTAINED HEREIN, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event will TE be liable for any direct, indirect, incidental, special or consequential damages arising from or related to recipient's use of the information. It is the sole responsibility of recipient of this information to verify the results of this information using their engineering and product environment. Recipient assumes any and all risks associated with the use of the information. Antenna performance may vary. TE is a component manufacturer, and customer and/or end-user is responsible for all end-use compliance and regulatory requirements.

©2025 TE Connectivity. All Rights Reserved.

05/25 Original