

Model	Description	Frequency Range	Gain	Color	Radome Height	Max. Power
VHF Tunable Unity Models						
TRAT1420	Phantom VHF Antenna	142-160 MHz	Unity	White	2.375"	60 watt
TRABT1420	Phantom VHF Antenna	142-160 MHz	Unity	Black	2.375"	60 watts
TRAT1500	Phantom VHF Antenna	150-168 MHz	Unity	White	2.375"	60 watts
TRABT1500	Phantom VHF Antenna	150-168 MHz	Unity	Black	2.375"	60 watts
TRABT1500P	Phantom VHF Antenna P. Mt.	150-168 MHz	Unity	Black	2.375"	60 watts
TRAT1560	Phantom VHF Antenna	156-172 MHz	Unity	White	2.375"	60 watts
TRABT1560	Phantom VHF Antenna	156-172 MHz	Unity	Black	2.375"	60 watt
TRABT1560P	Phantom VHF Antenna P. Mt.	156-172 MHz	Unity	Black	2.375"	60 watts
TRA2100	Phantom VHF Antenna	210-225 MHz	Unity	White	2.375"	100 watts
TRAB2100	Phantom VHF Antenna	2	Unity		2.375"	100 watts

UHF 3 dB-MEG Models						
TRA4103	Phantom UHF Antenna	410-425 MHz	3-dB MEG	White	3.40"	150 watts
TRAB4103	Phantom UHF Antenna	410-425 MHz	3-dB MEG	Black	3.40"	150 watts
TRA4303	Phantom UHF Antenna	430-450 MHz	3-dB MEG	White	3.40"	150 watts
TRAB4303	Phantom UHF Antenna	430-450 MHz	3-dB MEG	Black	3.40"	150 watts
TRA4303P	Phantom UHF Antenna P. Mt.	430-450 MHz	3-dB MEG	White	3.40"	150 watts
TRAB4303P	Phantom UHF Antenna P. Mt.	430-450 MHz	3-dB MEG	Black	3.40"	150 watts
TRA4500N	Phantom UHF Antenna NGP	450-470 MHz	3-dB MEG	White	3.40"	150 watts
TRAB4500N	Phantom UHF Antenna NGP	450-470 MHz	3-dB MEG	Black	3.40"	150 watts
TRA4503	Phantom UHF Antenna	450-470 MHz	3-dB MEG	White	3.40"	150 watts
TRAB4503	Phantom UHF Antenna	450-470 MHz	3-dB MEG	Black	3.40"	150 watts
TRA4503P	Phantom UHF Antenna P. Mt.	450-470 MHz	3-dB MEG	White	3.40"	150 watts
TRAB4503P	Phantom UHF Antenna P. Mt.	450-470 MHz	3-dB MEG	Black	3.40"	150 watts
TRA4703	Phantom UHF Antenna	470-490 MHz	3-dB MEG	White	3.40"	150 watts
TRAB4703	Phantom UHF Antenna	470-490 MHz	3-dB MEG	Black	3.40"	150 watts
TRA4703P	Phantom UHF Antenna P. Mt.	470-490 MHz	3-dB MEG	White	3.40"	150 watts
TRAB4703P	Phantom UHF Antenna P. Mt.	470-490 MHz	3-dB MEG	Black	3.40"	150 watts
TRA4903	Phantom UHF Antenna P. Mt.	490-512 MHz	3-dB MEG	White	3.40"	150 watts
TRAB4903	Phantom UHF Antenna	490-512 MHz	3-dB MEG	Black	3.40"	150 watts

700 MHz - 5.8 GHz 3 dB-MEG Models						
TRA7463	Phantom Antenna	746-796 MHz	3-dB MEG	White	2.70"	150 watts
TRAB7463	Phantom Antenna	746-796 MHz	3-dB MEG	Black	2.70"	150 watts
TRA8063	Phantom Antenna	806-866 MHz	3-dB MEG	White	2.70"	150 watts
TRAB8063	Phantom Antenna	806-866 MHz	3-dB MEG	Black	2.70"	150 watts
TRA8063P	Phantom Antenna P. Mt.	806-866 MHz	3-dB MEG	White	2.70"	150 watts
TRAB8063P	Phantom Antenna P. Mt.	806-866 MHz	3-dB MEG	Black	2.70"	150 watts
TRA8063NP	Phantom Antenna P. Mt./NGP	806-866 MHz	3-dB MEG	White	2.70"	150 watts
TRAB8063NP	Phantom Antenna P. Mt./NGP	806-866 MHz	3-dB MEG	Black	2.70"	150 watts
TRA8213	Phantom Antenna	821-896 MHz	3-dB MEG	White	2.70"	150 watts
TRAB8213	Phantom Antenna	821-896 MHz	3-dB MEG	Black	2.70"	150 watts
TRA8213P	Phantom Antenna P. Mt.	821-896 MHz	3-dB MEG	White	2.70"	150 watts
TRAB8213P	Phantom Antenna P. Mt.	821-896 MHz	3-dB MEG	Black	2.70"	150 watts
TRA8213NP	Phantom Antenna P. Mt./NGP	821-896 MHz	3-dB MEG	White	2.70"	100 watts
TRAB8213NP	Phantom Antenna P. Mt./NGP	821-896 MHz	3-dB MEG	Black	2.70"	100 watts
TRA8903	Phantom Antenna	890-960 MHz	3-dB MEG	White	2.70"	150 watts
TRAB8903	Phantom Antenna	902-928 MHz	3-dB MEG	Black	2.70"	150 watts
TRA9023	Phantom Antenna	902-928 MHz	3-dB MEG	White	2.70"	150 watts
TRAB9023	Phantom Antenna	902-928 MHz	3-dB MEG	Black	2.70"	150 watts



Phantom®

- U.S. Patent nos. 45,977,931 and 6,292,156 - do not be fooled by imitators that have no gain or no field diversity
- Phantom true field diversity design ensures uninterrupted video and data transmissions in urban canyons and rural drop off areas
- 3 dB MEG gain outperforms a 3 dB whip in many applications
- For mobile and fixed applications with NMO or permanent N female mount



TRA4503



LAND MOBILE RADIO

Phantom®



TRA4503P



Phantom Elite®

The exclusive low-profile stealth antenna with Patented Field Diversity™ technology etched on a circuit board

- VHF, UHF, Dual Band, and 2.4 GHz solutions
- Dual Band ETRA821/18503 antenna operates simultaneously on cellular 821-896 MHz and PCS 1850-1990 MHz
- Available in 32 outdoor, indoor, mobile and permanent variations

Model	Description	Frequency Range	Gain	Color	Radome Height	Max. Power
TRA9023P	Phantom Antenna P. Mt.	902-928	3-dB MEG	White	2.70"	150 watts
TRAB9023P	Phantom Antenna P. Mt.	902-928	3-dB MEG		2.70"	150 watts
TRA9023NP	Phantom Antenna P. Mt./NGP	902-928	3-dB MEG	White	2.70"	100 watts
TRAB9023NP	Phantom Antenna P. Mt./NGP	902-928	3-dB MEG		2.70"	100 watts
TRA24003	Phantom Antenna	2.4-2.5 GHz	3-dB MEG	White	2.70"	100 watts
TRAB24003	Phantom Antenna	2.4-2.5 GHz	3-dB MEG		2.70"	100 watts
TRA24003P	Phantom Antenna P. Mt.	2.4-2.5 GHz	3-dB MEG	White	2.70"	100 watts
TRAB24003P	Phantom Antenna P. Mt.	2.4-2.5 GHz	3-dB MEG		2.70"	100 watts
TRA24003NP	Phantom Antenna P. Mt./NGP	2.4-2.5 GHz	3-dB MEG	White	2.70"	100 watts
TRAB24003NP	Phantom Antenna P. Mt./NGP	2.4-2.5 GHz	3-dB MEG		2.70"	100 watts
TRA58003	Phantom Antenna	4.9-6.0 GHz	3-dB MEG	White	3.40"	150 watts
TRAB58003	Phantom Antenna	4.9-6.0 GHz	3-dB MEG	Black	3.40"	150 watts
TRA58003P	Phantom Antenna P. Mt.	4.9-6.0 GHz	3-dB MEG	White	3.40"	150 watts
TRAB58003P	Phantom Antenna P. Mt.	4.9-6.0 GHz	3-dB MEG		3.40"	150 watts

Multi-Band 3 dB-MEG Models

TRA821/18503	Phantom Cell/PCS Antenna	821-896 MHz 1850-1990 MHz	3-dB MEG	White	2.70"	100 watts
TRAB821/18503	Phantom Cell/PCS Antenna	821-896 MHz 1850-1990 MHz	3-dB MEG	Black	2.70"	100 watts
TRA821/18503P	Phantom Cell/PCS Permanent Mt.	821-896 MHz 1850-1990 MHz	3-dB MEG	White	2.70"	100 watts
TRAB821/18503P	Phantom Cell/PCS Permanent Mt.	821-896 MHz 1850-1990 MHz	3-dB MEG	Black	2.70"	100 watts
TRA806/17103	Phantom DCS/GSM/UMTS Antenna	806-960 MHz 1710-2500 MHz	3-dB MEG	White	2.70"	100 watts
TRAB806/17103	Phantom DCS/GSM/UMTS Antenna	806-960 MHz 1710-2500 MHz	3-dB MEG	Black	2.70"	100 watts
TRA806/17103P	Phantom DCS/GSM/UMTS Permanent Mt.	806-960 MHz 1710-2500 MHz	3-dB MEG	White	2.70"	100 watts
TRAB806/17103P	Phantom DCS/GSM/UMTS Permanent Mt.	806-960 MHz 1710-2500 MHz	3-dB MEG	Black	2.70"	100 watts

VHF Unity Models

ETRA1440	Phantom Elite VHF Antenna	144-148 MHz	Unity	White	2.375"	60 watts
ETRA1440	Phantom Elite VHF Antenna	144-148 MHz	Unity	Black	2.375"	60 watts
ETRA1500	Phantom Elite VHF Antenna	150-155 MHz	Unity	White	2.375"	60 watts
ETRA1500	Phantom Elite VHF Antenna	150-155 MHz	Unity	Black	2.375"	60 watts
ETRA1550	Phantom Elite VHF Antenna	155-160 MHz	Unity	White	2.375"	60 watts
ETRA1550	Phantom Elite VHF Antenna	155-160 MHz	Unity	Black	2.375"	60 watts
ETRA1650	Phantom Elite VHF Antenna	165-170 MHz	Unity	White	2.375"	60 watts
ETRA2100	Phantom Elite VHF Antenna	210-225 MHz	Unity	White	2.375"	100 watts
ETRA2100	Phantom Elite VHF Antenna	210-225 MHz	Unity	Black	2.375"	100 watts

UHF 3 dB-MEG Models

ETRA4103	Phantom Elite UHF Antenna	410-425 MHz	3-dB MEG	White	3.40"	150 watts
ETRA4103	Phantom Elite UHF Antenna	410-425 MHz	3-dB MEG	Black	3.40"	150 watts
ETRA4303	Phantom Elite UHF Antenna	430-450 MHz	3-dB MEG	White	3.40"	150 watts
ETRA4303	Phantom Elite UHF Antenna	430-450 MHz	3-dB MEG	Black	3.40"	150 watts
ETRA4303P	Phantom Elite UHF Antenna P. Mt.	430-450 MHz	3-dB MEG	White	3.40"	150 watts
ETRA4303P	Phantom Elite UHF Antenna P. Mt.	430-450 MHz	3-dB MEG	Black	3.40"	150 watts
ETRA4500N	Phantom Elite UHF Antenna NGP	450-470 MHz	3-dB MEG	White	3.40"	150 watts
ETRA4500N	Phantom Elite UHF Antenna NGP	450-470 MHz	3-dB MEG	Black	3.40"	150 watts
ETRA4503	Phantom Elite UHF Antenna	450-470 MHz	3-dB MEG	White	3.40"	150 watts
ETRA4503	Phantom Elite UHF Antenna	450-470 MHz	3-dB MEG	Black	3.40"	150 watts

Model	Description	Frequency Range	Gain	Color	Radome Height	Max. Power
ETRA4503P	Phantom Elite UHF Antenna P. Mt	450-470 MHz	3-dB MEG	White	3.40"	150 watts
ETRA4503P	Phantom Elite UHF Antenna P. Mt	450-470 MHz	3-dB MEG	Black	3.40"	150 watts
ETRA4703	Phantom Elite UHF Antenna	470-490 MHz	3-dB MEG	White	3.40"	150 watts
ETRA4703	Phantom Elite UHF Antenna	470-490 MHz	3-dB MEG	Black	3.40"	150 watts
ETRA4703P	Phantom Elite UHF Antenna P. Mt	470-490 MHz	3-dB MEG	White	3.40"	150 watts
ETRA4703P	Phantom Elite UHF Antenna P. Mt	470-490 MHz	3-dB MEG	Black	3.40"	150 watts



ETRAB8063

Phantom Elite®

700 MHz - 2.4 GHz 3 dB-MEG Models

ETRA7463	Phantom Elite Antenna	746-796 MHz	3-dB MEG	White	2.70"	150 watts
ETRA7463	Phantom Elite Antenna	746-796 MHz	3-dB MEG	Black	2.70"	150 watts
ETRA8063	Phantom Elite Antenna	806-866 MHz	3-dB MEG	White	2.70"	150 watts
ETRA8063	Phantom Elite Antenna	806-866 MHz	3-dB MEG	Black	2.70"	150 watts
ETRA8063P	Phantom Elite Antenna P. Mt.	806-866 MHz	3-dB MEG	White	2.70"	150 watts
ETRA8063P	Phantom Elite Antenna P. Mt.	806-866 MHz	3-dB MEG	Black	2.70"	150 watts
ETRA8063NP	Phantom Elite Antenna P. Mt./NGP	806-866 MHz	3-dB MEG	White	2.70"	150 watts
ETRA8063NP	Phantom Elite Antenna P. Mt./NGP	806-866 MHz	3-dB MEG	Black	2.70"	150 watts
ETRA8213	Phantom Elite Antenna	821-896 MHz	3-dB MEG	White	2.70"	150 watts
ETRA8213	Phantom Elite Antenna	821-896 MHz	3-dB MEG	Black	2.70"	150 watts
ETRA8213P	Phantom Elite Antenna P. Mt.	821-896 MHz	3-dB MEG	White	2.70"	150 watts
ETRA8213P	Phantom Elite Antenna P. Mt.	821-896 MHz	3-dB MEG	Black	2.70"	150 watts
ETRA8213NP	Phantom Elite Antenna P. Mt./NGP	821-896 MHz	3-dB MEG	White	2.70"	100 watts
ETRA8213NP	Phantom Elite Antenna P. Mt./NGP	821-896 MHz	3-dB MEG	Black	2.70"	100 watts
ETRA8903	Phantom Elite Antenna	890-960 MHz	3-dB MEG	White	2.70"	150 watts
ETRA8903	Phantom Elite Antenna	902-928 MHz	3-dB MEG	White	2.70"	150 watts
ETRA9023	Phantom Elite Antenna	902-928 MHz	3-dB MEG	Black	2.70"	150 watts
ETRA9023P	Phantom Elite Antenna P. Mt.	902-928 MHz	3-dB MEG	Black	2.70"	150 watts
ETRA9023NP	Phantom Elite Antenna P. Mt./NGP	902-928 MHz	3-dB MEG	Black	2.70"	100 watts
ETRA24003	Phantom Elite Antenna	2.4-2.5 GHz	3-dB MEG	White	2.70"	100 watts
ETRA24003	Phantom Elite Antenna	2.4-2.5 GHz	3-dB MEG	Black	2.70"	100 watts
ETRA24003P	Phantom Elite Antenna P. Mt.	2.4-2.5 GHz	3-dB MEG	White	2.70"	100 watts
ETRA24003P	Phantom Elite Antenna P. Mt.	2.4-2.5 GHz	3-dB MEG	Black	2.70"	100 watts
ETRA24003NP	Phantom Elite Antenna P. Mt./NGP	2.4-2.5 GHz	3-dB MEG	White	2.70"	100 watts
ETRA24003NP	Phantom Elite Antenna P. Mt./NGP	2.4-2.5 GHz	3-dB MEG	Black	2.70"	100 watts



ETRAB1500

Multi-Band 3 dB-MEG Models

ETRA821/18503	Phantom Elite Cell/PCS Antenna	821-896 MHz 1850-1990 MHz	3-dB MEG	White	2.70"	100 watts
ETRA821/18503	Phantom Elite Cell/PCS Antenna	821-896 MHz 1850-1990 MHz	3-dB MEG	Black	2.70"	100 watts
ETRA821/18503P	Phantom Elite Cell/PCS P. Mt.	821-896 MHz 1850-1990 MHz	3-dB MEG	White	2.70"	100 watts
ETRA821/18503P	Phantom Elite Cell/PCS P. Mt.	821-896 MHz 1850-1990 MHz/24-29	3-dB MEG	Black	2.70"	100 watts

Wifi Indoor Solutions

ETRA24003DTM	Desktop Version White	2.4-2.5 GHz	3-dB MEG	White	2.70"	100 watts
ETRA24003DTM	Desktop Version Black	2.4-2.5 GHz	3-dB MEG	Black	2.70"	100 watts
ETRA24003WM	Wall Mount	2.4-2.5 GHz	3-dB MEG	White	2.70"	100 watts
ETRA24003CM	Ceiling Tile Mount	2.4-2.5 GHz	3-dB MEG	White	2.70"	100 watts

Drop Ceiling Antenna Adaptors

TRADCA	No Ground Plane
TRADCAGP	With 6 x 6 Inch Ground Plane



ETRA24003CM
with Ceiling Mount