

Phantom Antennas

Antennas that provide true field diversity design which ensures uninterrupted video and data transmissions in urban canyons and rural drop off areas. The products feature:

- True field diversity performance
- 3.0 dBi gain with a VSWR < 2.0
- Mechanically robust for both indoor and outdoor applications
- Ideal for both Cellular and M2M
- NMO mount standard
- 150 watt power rating

• Antenna Vehicular TRAB821 18503P



• Phantom Tall Pmt LT



• Antenna Vehicular Elites ETRAB8063 ETRA8063P

PART NUMBER	FREQUENCY (MHZ)	BEAMWIDTH (DEG)		LENGTH (mm)
		EL	AZ	
TRA8213 ^{2,3,4}	821-896	130	360	69
TRA8063 ^{2,3,4}	890-960	130	360	69
TRA8903 ^{2,4}	890-960	130	360	69
TRA9023 ^{2,3,4}	902-928	130	360	69
TRA16003 ²	1600-1850	130	360	69
TRA17753	1750-1825	130	360	69
TRA18503 ^{2,4}	1850-1990	130	360	69
TRA806/17103 ²	806-960/1710-2500	130	360	69
TRA821/18503 ²	821-896/1850-1990	130	360	69

1. The above part numbers represent White sheaths, but, Black is also available upon request.
2. Part comes in a "P-mount" configuration, e.g. TRA8213 becomes TRA8213P
3. Part comes in a "No ground plane" configuration, e.g. TRA8213 becomes TRA8213N
4. Part comes in a "No ground plane and P-mount" configuration, e.g. TRA8213 becomes TRA8213NP

Low Profile Antennas

Unique, patented low profile antennas that are ideal where space is a concern in both indoor and outdoor applications. The products feature:

- The Phantoms yield true field diversity performance
- Mechanically robust for both indoor and outdoor applications
- 150 /100 watt power rating for the Phantoms/Discadoo® antennas
- 3.0 dBi gain with a VSWR < 2.0
- Ideal for both Cellular and M2M
- Discadoo® antenna requires a ground plane

1. The ETRA part numbers on the right represent White sheaths, but, Black is also available upon request.
2. Part comes in a "P-mount" configuration, e.g. ETRA8213 becomes ETRA8213P
3. Part comes in a "No ground plane" configuration, e.g. ETRA8213 becomes ETRA8213N
4. Part comes in a "No ground plane and P-mount" configuration, e.g. TRA8213 becomes TRA8213NP
5. The above DISC part numbers represent Black radomes, but, White is also available upon request.

PART NUMBER	FREQUENCY (MHZ)	DIMENSIONS (mm)		ANTENNA TYPE
		LENGTH	DIA	
ETRA7603	760-870	69	—	Phantom Elite
ETRA7643	764-806	69	—	Phantom Elite
DISC806M5	806-866	19	121	Low Profile Discadoo
DTRA8063P ²	806-866	32	—	Low Profile Phantom
DTRA8213P ²	821-896	32	—	Low Profile Phantom
ETRA8063 ^{2,3}	821-896	69	—	Phantom Elite
ETRA8213 ^{2,4}	821-896	69	—	Phantom Elite
DISC824M5	824-896	19	121	Low Profile Discadoo
DISC890M	890-960	19	121	Low Profile Discadoo
ETRA8903	890-960	69	—	Phantom Elite
DTRA9023P2	902-928	32	—	Low Profile Phantom
ETRA9023	902-928	69	—	Phantom Elite
DTRA821/18503P2	821-896/1850-1990	32	—	Low Profile Phantom
ETRA821/185032	821-896/1850-1990	69	—	Phantom Elite

Cellular Internal Antennas

Revie Series

Printed circuit board (PCB) antennas that are embedded inside devices for aesthetically pleasing integration with high durability. The products feature:

- Wide bandwidth
- RoHS compliant
- Ground plane independence
- Omnidirectional Vertically Polarized radiators



• Revie-Prime



• Antenna Vehicular GPST821 18503P

MODEL	PART NUMBER	FREQUENCY (MHz)	VSWR	GAIN (dBi)	DIMENSIONS (mm)		
					LENG	WD	HT
Revie	AAF95003/AAF95004	900/1800/1900	2.5	1.0	80	30	1.5
Revie Pro	MAF95256	868/900/1800/1900	2.5	1.0	80	30	1.5
Revie Prime	EPR9221A1	824-960/1710-2170	3.0/2.5	2.2/3.8	70	20	0.8

1. Other part numbers available based on connector and cable configuration, call for details.
2. Connector/cable configurations can be customized to meet requirements

Heptaband-dipole Series

Portable wireless antennas that provide excellent radio transmission characteristics while offering the ultra flexibility of seven bands in one profile. The products feature:

- Wide bandwidth: 824-960/1575/1710-2170/2400-2500
- Gain of 1-3 dBi with max VSWR of 2.5:1
- Low profile blade style
- Available in black or gray
- Snap in or connectorized

• Heptaband flying lead



MODEL	PART NUMBER	DIMENSIONS (mm)		CONNECTOR TYPE
		LENG	WD	
HEPTA-FL04 ²	MAF94306	161	9.3	Snapin/Captive w/Flying lead (no connector)
HEPTA-IP04 ²	MAF94304	161	9.3	Snapin/Captive w/IPEX MHF
HEPTA-xx ¹	MAF94300	161	9.3	RP- SMA, SMA, RP-TNC, TNC
HEPTA90-TN	MAF94309	161	9.3	TNC, Blade Angle- 90 degree

1. Other part numbers available based on connector and cable configuration, call for details.
2. Connector/cable configurations can be customized to meet requirements

Rubber Duck Series

Portable wireless antennas that provide excellent radio transmission characteristics while offering a robust mechanical design capable of surviving the harshest environments. The product features:

- Omnidirectional vertically polarized dipole design
- Maximum VSWR of 1.5

• WXR Large



MODEL	PART NUMBER	FREQUENCY (MHz)	GAIN (dBi)	LENGTH (mm)	CONNECTOR TYPE
CXE-821	CXE-821-TN/CAF28266	824-896	2.5	179.3	TNC
CXF-821	CXF821TN/CAF28569	824-896	2.5	218.4	TNC
WXR-1850	CAF28793	1850-1990	1.0	177.8	TNC (m)