

# Dinesh Micro Waves & Electronics

## Triband Antenna

### Electrical specifications

	GSM	Broadband 1 & Broadband 2 1710-2170 MHz	
Frequency	870-960 MHz	1710-1880 Mhz	1920-2170 Mhz
Polarisation	Dual Linear° ± 45°	Dual Linear° ± 45°	Dual Linear° ± 45°
T-3dB Horizontal Plane	69° ± 3°	68° ± 3°	63° ± 2°
T-3dB Vertical Plane	6.9° ± 0.3°	6.8° ± 0.3°	6.7° ± 0.3°
Gain (dBi)	16.5	17.5	18
Vertical Upper first side lobe suppression	< 18 dB	< 15 dB	< 15 dB
Vertical Upper first side lobe suppression	< 18 dB	< 15 dB	< 15 dB
Vertical Upper first side lobe suppression	> 15 dB	> 15 dB	> 15 dB
Front to Back Ratio (180°± 30°)	> 25 dB	> 25 dB	> 25 dB
Cross Polarization Level (0°± 30°)	> 15dB	> 15dB	> 15dB
Isolation (Intra-band 45°)	<30 <30 dB -2 to -10	< 30 dB	< 30 dB
Isolation (Inter-band)	Broadband - Broadband : > 30 dB GSM - Broadband : > 45 dB		
V.S.W.R.(500)	< 1.5	< 1.5	< 1.5
Intermodulation (2x20W carriers)	<-150 dBC (Im3)	<-150 dBC(Im3) <-165 dBC(Im7)	<-150 dBC(Im3) <-165 dBC(Im7)
Variable electrical tilt	-2° to -10	-2° to -10	-2° to -10
Maximum CW Input Power	500 W	500 W	500 W



## Mechanical specifications

Dimensions (L/W/D)	2650x 276x145 mm
Connectors	6 x 7/16 DIN
Weight	32 Kg
Mounting Pole Diameter	50 to 115 mm

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