



Stella Doradus Ireland Ltd.

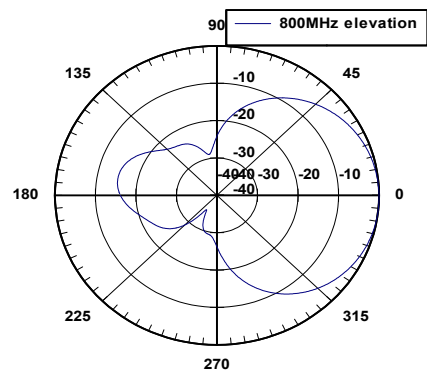
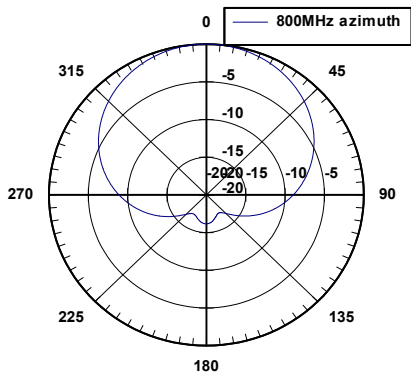
GSM + UMTS antenna One port Quad band integrated Diplexer
Part Number: 800-1800-2100 8080-1 port



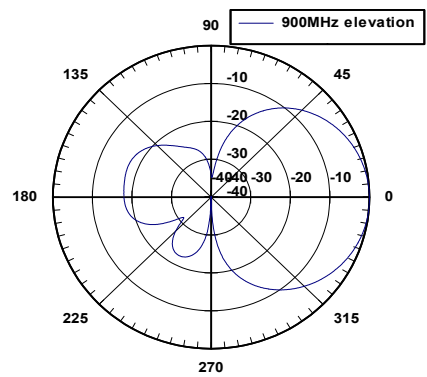
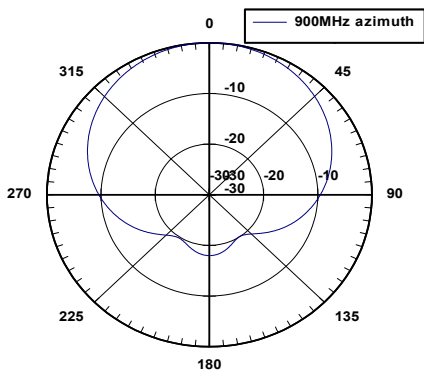
The 800-1800-1200 8080-1 port antenna is a quad band single port antenna with integrated diplexer suitable for indoor or outdoor use. The excellent radiation characteristics are the distinguishing features of these well priced antennas

Electrical Specification	GSM				UMTS	Mechanical Specifications	
	GSM 800MHz	GSM 900MHz	1800MHz	2100MHz			
Nominal Gain	10dBi	10dBi	12dBi	12dBi	Length	43.5cm	
3dB beam Pattern	100° x 70°	100° x 60°	52° x 58°	45° x 72°	Width	22.5cm	
Bandwidth	790-862MHz	890-	1710-	1920-	Depth	7.5cm	
Digital Dividend	960MHz	960MHz	1880MHz	2170MHz	Weight	2.3kg	
VSWR	1.8 : 1	1.8 : 1	1.8 : 1	1.8 : 1	Windage(at 215kmph)	28.19kg	
Front to Back Ratio	16dB	18dB	28.5dB	29dB	Mechanical Tilt	0-25 degrees	
Polarization	Vertical	Vertical	Vertical	Vertical	Mounting Pipe	5 cm pipe	
Power Rating	50W	50W	50W	50W			
Impedance	50-OHM	50-OHM	50-OHM	50-OHM			
Termination		Single Port	N-female		Materials		
Cross Pol. Discrimination	-20dB	-20dB	-20dB	-20dB	Radiating Element	Beam forming PCB patch array	
					Radome (feed)	White UV stabilised Polystyrene	
					Clamps	HDG steel + zinc plated bolts	

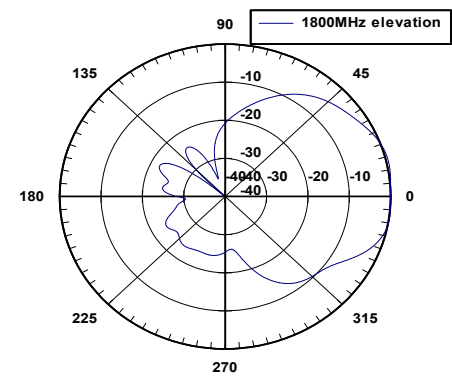
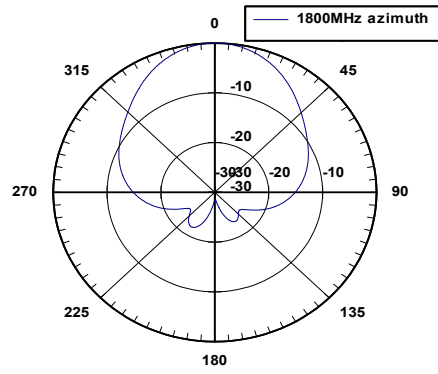
800MHz Patterns



900MHz Patterns



1800MHz Patterns



2100MHz Patterns

