



# Stella Doradus Ireland Ltd.

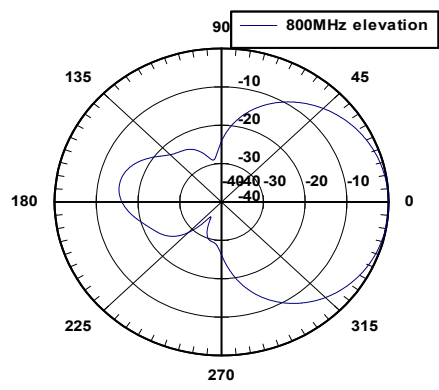
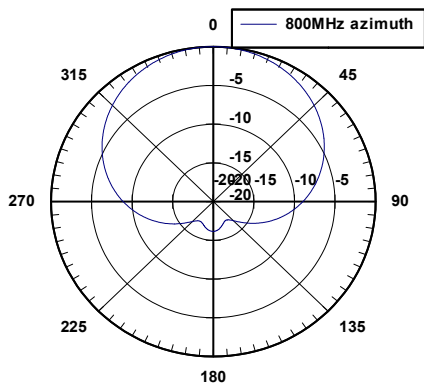
**GSM antenna One port dual band integrated Diplexer**  
**Part Number: 800-1800-2100 8080-1 port**



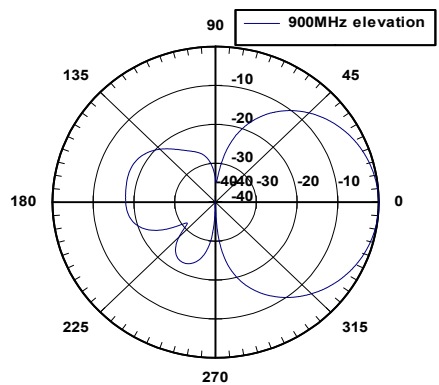
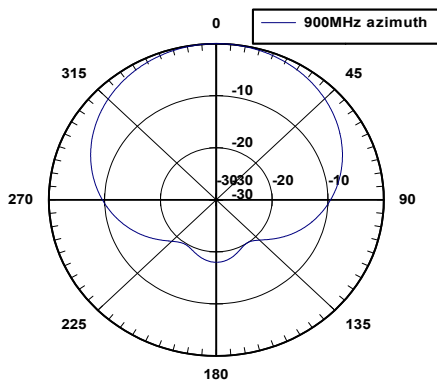
*The 800-1800-1200 8080-1 port antenna is a dual band single port antenna with integrated diplexer suitable for indoor or outdoor use. The excellent radiation characteristics are the distinguishing features of these well priced antennas*

Electrical Specification	GSM 800MHz	GSM 900MHz	GSM	UMTS	Mechanical Specifications	
			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	890-960MHz	1710-1880MHz	1920-2170MHz	Depth	7.5cm
VSWR	1.8 : 1	1.8 : 1	1.8 : 1	1.8 : 1	Weight	2.3kg
Front to Back Ratio	16dB	18dB	28.5dB	29dB	Windage(at 215kmph)	28.19kg
Polarization	Vertical	Vertical	Vertical	Vertical	Mechanical Tilt	0-25 degrees
Power Rating	50W	50W	50W	50W	Mounting Pipe	5 cm pipe
Impedance	50-OHM	50-OHM	50-OHM	50-OHM	<b>Materials</b>	
Termination		Single Port	N-female		Radiating Element	Beam forming PCB patch array
Cross Pol. Discrimination	-20dB	-20dB	-20dB	-20dB	Radome ( feed )	White UV stabilised Polystyrene
					Clamps	HDG steel + zinc plated bolts

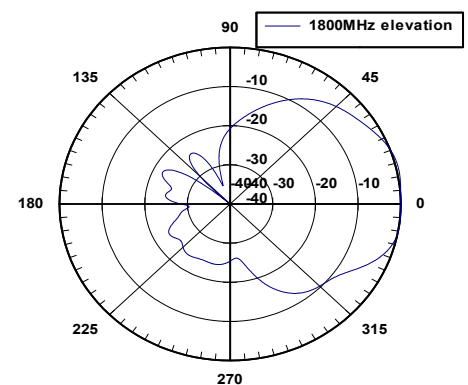
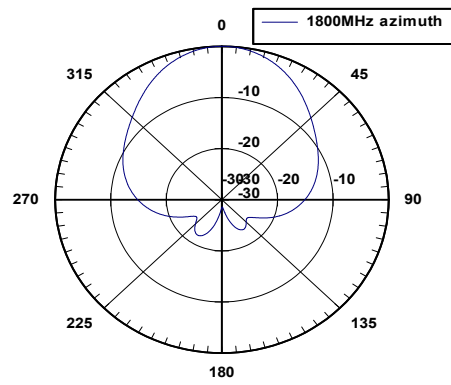
### 800MHz Patterns



### 900MHz Patterns



### 1800MHz Patterns



### 2100MHz Patterns

