



Stella Doradus Ireland Ltd.

UMTS / 3G Mobile phone signal booster



The UMTS Booster boosts the signal strength and coverage for all UMTS and 3G services.

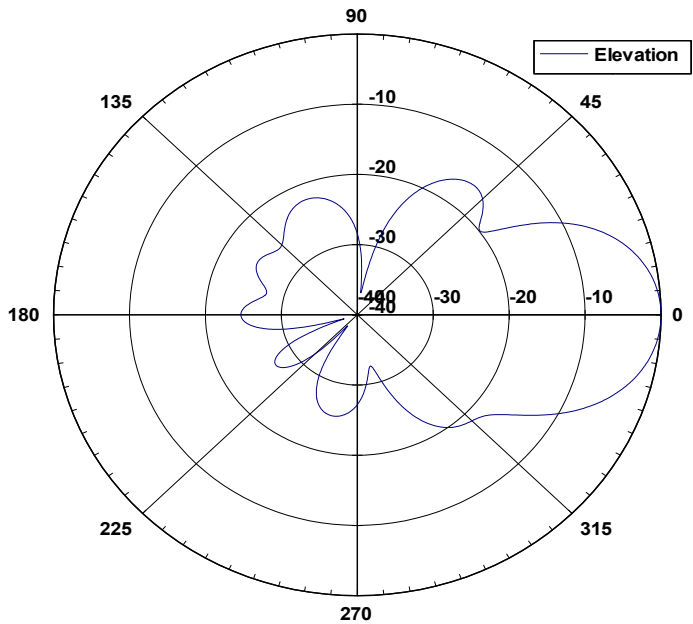
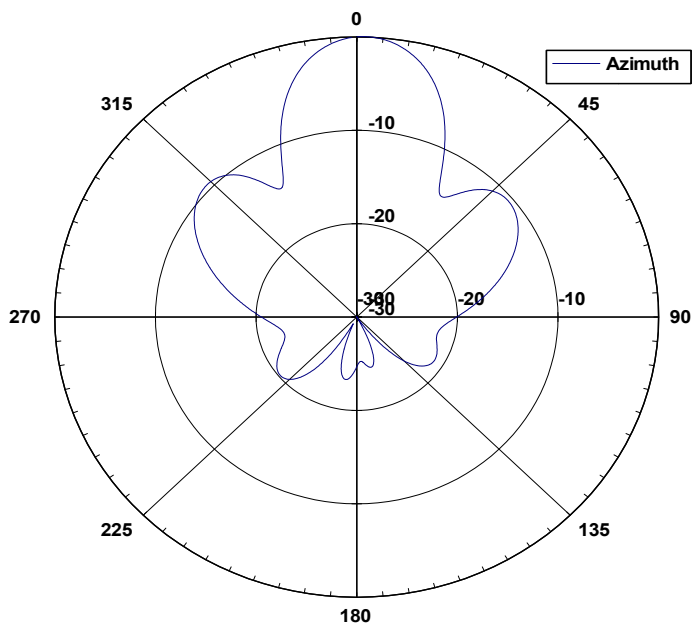
It is compatible with all Irish / UK/ European mobile phone operators and can be installed indoors or outdoors.

Booster Specifications		Electrical Specification	Outdoor antenna	Indoor antenna
Coverage	500m ²	Nominal Gain	14dBi	9dBi
No. of people	>100	3dB beam Pattern	30° x 30°	75° x 50°
Gain	Uplink Gp ≥ 65dB Downlink Gp ≥ 70dB	Bandwidth	1.92 - 2.17GHz	1.92 - 2.17GHz
Pass band ripple	≤ 4dB	VSWR	1.8 : 1	1.8 : 1
I/O impedance	50 ohm/N connector	Front to Back Ratio	30dB	20dB
Max signal strength	≥ 17dBm	Polarization	Vertical	Vertical
Ambient Temperature	-30 °C to +70°C	Power Rating	50W	50W
Power supply input	110 - 240V AC	Impedance	50-OHM	50-OHM
Power supply output	12V DC	Termination	N Female or SMA female	N Female or SMA female
		Cross Pol. Discrimination	-20dB	-20dB

Mechanical Specifications - Booster		Power Supply Specification	
Length	30cm	AC input	100-240V
Width	26cm		1.0A
Depth	6cm		50-60Hz
Weight	2Kg	DC output	12V
Windage(at 215kmph)	16.2kg		1.25A max
Mechanical Tilt	0-25 degrees		30W Max
Mounting Pipe	5 cm pipe	Typical power usage	12W

Materials - Booster	
Radiating Element	Beam forming PCB patch array
Radome (feed)	White UV stabilised Polystyrene
Brackets	HDG steel + galvanised steel bolts

Outdoor antenna patterns 14dBi antenna



Indoor Antenna Patterns - 9dBi antenna

