

## DUAL POLARISED DUAL-BAND ANTENNA GSM900/XP/72/15/2-6 VET UMTS/XP/65/16.5/2-8 VET TYPE 1777

- ❑ INDEPENDENT VARIABLE ELECTRICAL DOWNTILT (VET)
- ❑ FOUR PORTS (2 x GSM, 2 x UMTS)
- ❑ OPTIONAL IN-LINE ASC ENCLOSURE
- ❑ POLE AND WALL MOUNTING BRACKETS WITH PAN CAPABILITY

The dual-band dual-polarised VET 1777 antenna offers a composite 2G and 3G solution that reduces the antenna hardware required to operate GSM900 and UMTS at the same sites. The antenna has pole and wall mounting brackets that allows both downtilt and panning capability. The antenna also has an optional in-line mounting enclosure that will accommodate a tower mounted or masthead type amplifier (TMA or MHA).

Superior circuit design coupled with advanced manufacturing techniques guarantee consistent product quality, with excellent intermodulation performance, product quality & performance.

### ELECTRICAL SPECIFICATION

	GSM900	UMTS
Frequency	870-960Mhz	1900-2170Mhz
Gain	15dBi	16.5dBi
VSWR	1.4:1 max	1.4:1 max
Horizontal Beamwidth	72°	65°
Vertical Beamwidth	9°	6°
Polarisation	+45° and -45°	+45° and -45°
Variable Electrical Downtilt	2-6°	2-8°
Upper Sidelobe Suppression	>16dB	>16dB
Front-to-Back Ratio	>20dB	>23dB
Isolation Between Ports	>28dB	>28dB
Isolation Between Bands	>30dB	>30dB
Power Rating	200W	200W
Impedance	50Ω	50Ω
Lightning Protection	DC grounded	DC grounded



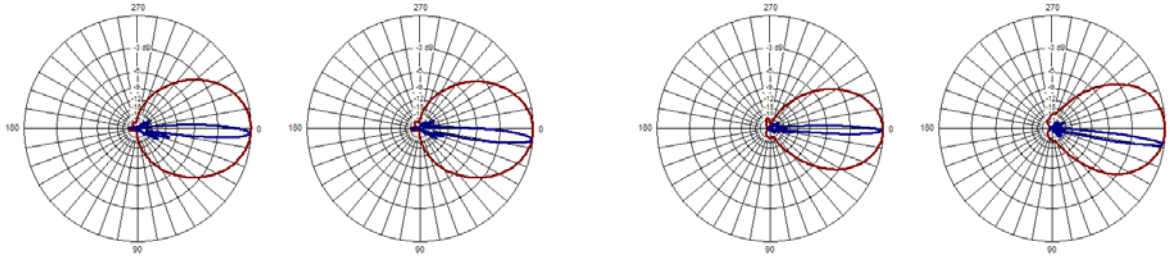
Shown with optional ASC enclosure

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2 Degree - GSM900 - 6 Degree

2 Degree - UMTS - 8 Degree

### MECHANICAL SPECIFICATION

<b>Connectors</b>	4 x 7/16 DIN female (2 x GSM, 2 x UMTS)
<b>Dimensions (LxWxD)</b>	2340 x 239 x 171 mm 2725 (inc ASC tray) x 239 x 171 mm
<b>Wind Loading (Rear)</b>	957N @ 45m/s (Antenna) 1116N @ 45m/s (Antenna + ASC Enclosure)
<b>Operational Wind Speed</b>	45m/s
<b>Survival Wind Speed</b>	56m/s
<b>Weight</b>	23kg (Antenna) 28kg (Antenna + ASC Enclosure)
<b>Temperature</b>	-55° to +70°C
<b>Bracket Size</b>	To suit pole 48-115mm
<b>Bracket</b>	Downtilt 0-10° in 2° steps, Pan 30° in 10° steps

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