

Model 3G9-DF-2B-6B-X, 65° Panel

Dual Band - Dual Polarized ($\pm 45^\circ$)

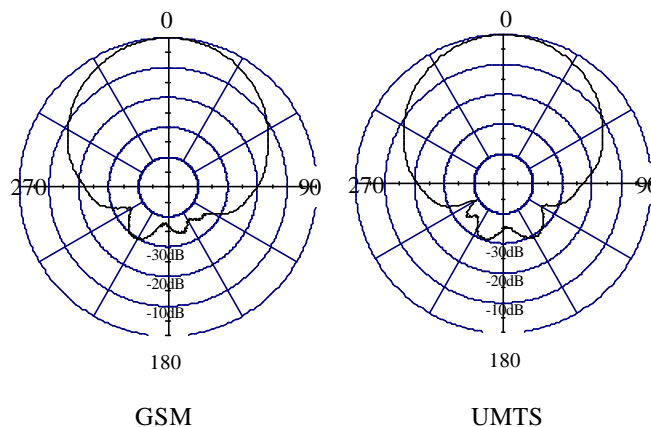
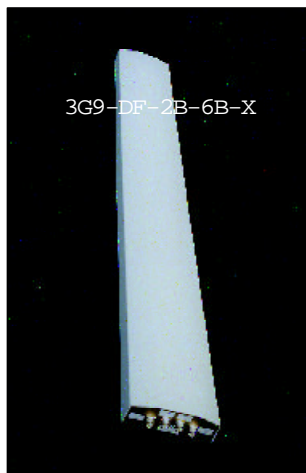
ELECTRICAL CHARACTERISTICS

	<u>GSM</u>	<u>UMTS</u>
Frequency Range	880 - 960 MHz	1900 - 2170 MHz
Beamwidth: Horizontal-plane	$72^\circ \pm 4^\circ$ (at -3 dB)	$62^\circ \pm 5^\circ$ (at -3 dB)
Vertical-plane	$9.5^\circ \pm 0.5^\circ$ (at -3 dB)	$7^\circ \pm 0.5^\circ$ (at -3 dB)
Gain	15 dBi (12.9 dBd)	16.5 dBi (14.4 dBd)
Electrical Tilt	-6°	-2°
First Upper Side Lobe	≤ -18 dB	≤ -18 dB
Port to Port Isolation	≤ -30 dB	≤ -30 dB
Front-to-Back Ratio	≤ -25 dB	≤ -25 dB

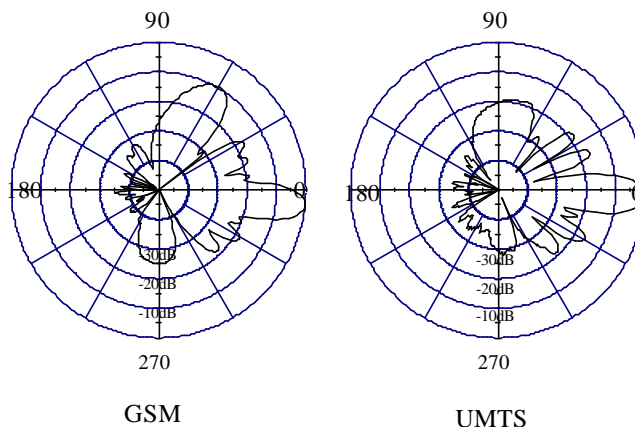
GENERAL CHARACTERISTICS

Impedance	50 Ω
VSWR	$\leq 1.4:1$
Polarization	$\pm 45^\circ$
Rated Power	GSM: 200 W UMTS: 200 W

The Dual-Band antennas, similar in height to 900 MHz antennas, combine on a single ground plane two antennas (1 for GSM and 1 for UMTS).



HORIZONTAL PLANE



VERTICAL PLANE



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MECHANICAL CHARACTERISTICS

Height x Width x Depth	79.9" x 11.8" x 4.5" (2030 x 300 x 115 mm)
Weight	28.7 lbs (13 kg)
Wind Survival Rating	125 mph (200 km/h)
Wind Load (at 100 mph)	798 N (frontal F1) 377 N (lateral F2)
Flat Plate Equivalent Area	6.54 ft ² (0.61 m ²)
Connector Types (Female)	7/16 DIN
Materials:Antenna/Radome	Aluminum / ABS

MOUNTING HARDWARE

Mounting Brackets	Fix 903 (1.25" - 3.5" OD pipe) (30 - 90 mm OD pipe) Fix 905 (2" - 4.7" OD pipe) (50 - 120 mm OD pipe)
Mechanical Tilt Brackets (optional)	Model TB-39B