

# Model 3G18-DH-2B-2B-XS, 65° Panel

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

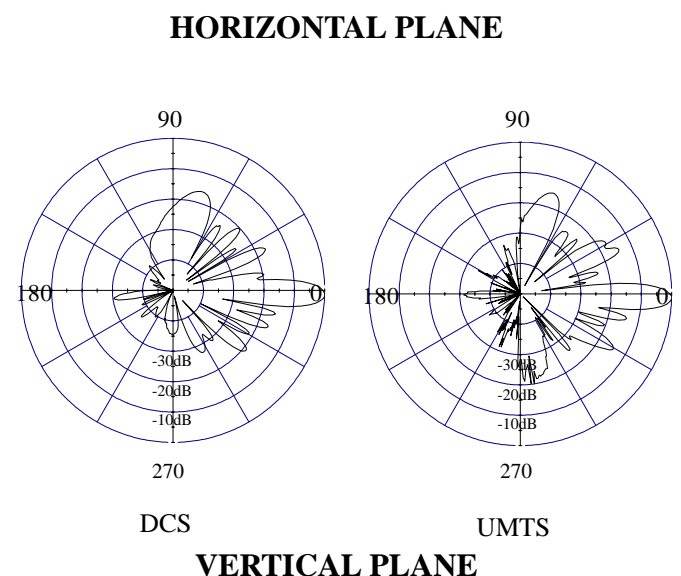
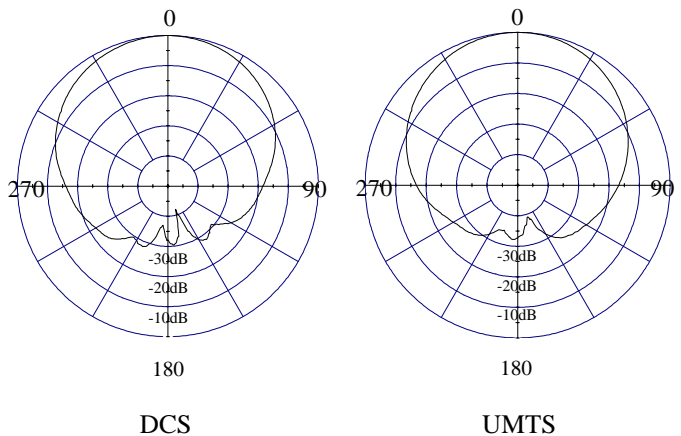
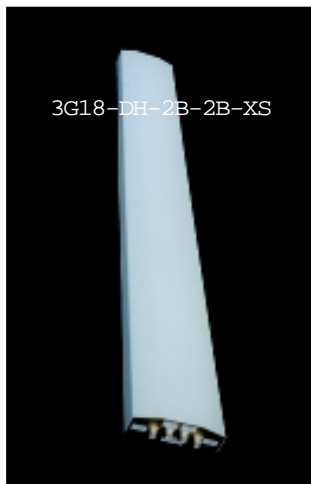
## ELECTRICAL CHARACTERISTICS

	DCS	UMTS
Frequency Range	1710 - 1880 MHz	1900 - 2170 MHz
Beamwidth: Horizontal-plane	$65^\circ \pm 5^\circ$ (at -3 dB)	$65^\circ \pm 5^\circ$ (at -3 dB)
Vertical-plane	$7^\circ \pm 0.5^\circ$ (at -3 dB)	$7.3^\circ \pm 0.5^\circ$ (at -3 dB)
Gain	17.5 dBi (15.4 dBd)	17.3 dBi (15.2 dBd)
Electrical Downtilt	-2°	-2°
First Upper Side Lobe	$\leq -18$ dB	$\leq -18$ dB
Port to Port Isolation	$\leq -30$ dB	$\leq -30$ dB
Front-to-Back Ratio	$\leq -30$ dB	$\leq -30$ dB

## GENERAL CHARACTERISTICS

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

The SYMPHONY antennas, similar in height to 1800 MHz antennas, combine on a single ground plane two antennas (1 for DCS and 1 for UMTS).





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### MECHANICAL CHARACTERISTICS

<b>Height x Width x Depth</b>	50.4" x 12.2" x 2.4" (1280 x 310 x 60 mm)
<b>Weight</b>	22.1lbs (10 kg)
<b>Wind Survival Rating</b>	125 mph (200 km/h)
<b>Wind Load (at 100 mph)</b>	499 N (frontal F1) 146 N (lateral F2)
<b>Flat Plate Equivalent Area</b>	4.30 ft <sup>2</sup> (0.40 m <sup>2</sup> )
<b>Connector Types (Female)</b>	7/16 DIN
<b>Materials: Antenna/Radome</b>	Aluminum / ABS

### MOUNTING HARDWARE

<b>Mounting Brackets</b>	<b>Fix 903</b> (1.25" - 3.5" OD pipe) (30 - 90 mm OD pipe) <b>Fix 905</b> (2" - 4.7" OD pipe) (50 - 120 mm OD pipe)
<b>Mechanical Tilt Brackets (optional)</b>	Model <b>TB-S</b>