

1377 mm

6177108G

6177108NG

2-Band, 4-Port, 65°, XPOL, Panel Antenna, Variable Tilt, 1377 mm

- Dual band antenna, dual polarisation, 4 connectors
- Independent, continuously adjustable tilt on each band 0-10° / 0-10°
- Available with 4.3-10 or 7/16-DIN connectors

Amphenol ANTENNA SOLUTIONS

• RET version, 3GPP/AISG2.0 with two integrated RCUs

ORDERING OPTIONS					
Antenna with 4.3-10 Female Conne	onnectors 6177108NG				
Antenna with 7/16-DIN Female Connectors 617		6177108G			
ACCESS PORT DESCRIPTION (CONNECTORS)					
The antenna has 4 colour-coded connectors located at the bottom face.					
Frequency Designation	Y1		Y2		
Frequency Range	1710-2690 MHz		1710-2690 MHz		
Polarisation	ХроІ		ХроІ		
Horizontal Beamwidth	65°		65°		
Electrical Downtilt Range	0-10°		0-10°		
Connector Type	(2x) 4.3-10 or 7/16-DIN Female		(2x) 4.3-10 or 7/16-DIN Female		

ELECTRICAL CH	HARACTERISTICS			Y1		
Frequency Bands		1710-2690 MHz				
		1710-1880	1850-1990	1920-2170	2300-2400	2490-2690
Gain	At Mid Tilt	17.2 dBi	17.8 dBi	18.0 dBi	18.1 dBi	18.1 dBi
	Over All Tilts	17.2 ± 0.6 dBi	17.8 ± 0.5 dBi	18.0 ± 0.5 dBi	18.0 ± 0.4 dBi	18.1 ± 0.5 dBi
Input Impedance	9	50Ω				
VSWR		< 1.5				
Polarisation		±45°				
Horizontal Beamwidth (-3 dB)		68° ± 3.8°	65° ± 4.9°	64° ± 4.5°	62° ± 5.2°	60° ± 5.1°
Vertical Beamwidth (-3 dB)		6.9° ± 0.6°	6.4° ± 0.5°	5.9° ± 0.5°	5.3° ± 0.2°	4.9° ± 0.3°
Electrical Downtilt Range		0-10°				
Cross Polar Isolation		> 28 dB				
Port-to-Port Isolation		> 28 dB				
Upper Sidelobe Suppression	First Upper Lobe	> 16 dB	> 17 dB	> 16 dB	> 17 dB	> 16 dB
	Peak to 20°	> 15 dB	> 15 dB	> 15 dB	> 15 dB	> 14 dB
Front-to-Back Ratio (@ 180° ± 30°)		> 25 dB	> 26 dB	> 26 dB	> 25 dB	> 26 dB
Cross Polar Discrimination	Main Direction	> 20 dB	> 22 dB	> 22 dB	> 19 dB	> 20 dB
	Sector Edges	> 12 dB	> 12 dB	> 10 dB	> 9 dB	> 9 dB
Maximum Power (Per Port) 250 W (at 50°C ambient temperature)						
Intermodulation 3rd (2x43 dBm Carrier)		< -153 dBc				
Grounding		DC Ground				





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65°

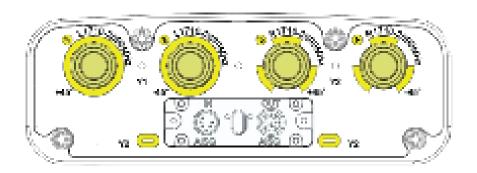
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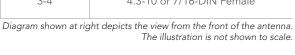
6177108NG

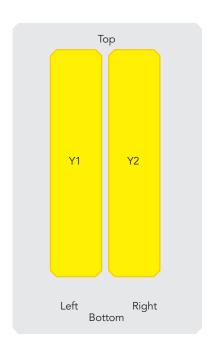
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ELECTRICAL CHA	ARACTERISTICS			Y2				
Frequency Bands			1710-2690 MHz					
		1710-1880	1850-1990	1920-2170	2300-2400	2490-2690		
Gain	At Mid Tilt	17.2 dBi	17.8 dBi	18.0 dBi	18.1 dBi	18.1 dBi		
	Over All Tilts	17.2 ± 0.6 dBi	17.8 ± 0.5 dBi	18.0 ± 0.5 dBi	18.0 ± 0.4 dBi	18.1 ± 0.5 dBi		
Input Impedance	,		50Ω					
VSWR			< 1.5					
Polarisation			±45°					
Horizontal Beamwidth (-3 dB)		68° ± 3.8°	65° ± 4.9°	64° ± 4.5°	62° ± 5.2°	60° ± 5.1°		
Vertical Beamwidth (-3 dB)		6.9° ± 0.6°	6.4° ± 0.5°	5.9° ± 0.5°	5.3° ± 0.2°	4.9° ± 0.3°		
Electrical Downtilt Range			0-10°					
Cross Polar Isolation		> 28 dB						
Port-to-Port Isolation		> 28 dB						
Upper Sidelobe	First Upper Lobe	> 16 dB	> 17 dB	> 16 dB	> 17 dB	> 16 dB		
Suppression	Peak to 20°	> 15 dB	> 15 dB	> 15 dB	> 15 dB	> 14 dB		
Front-to-Back Ratio (@ 180° ± 30°)		> 25 dB	> 26 dB	> 26 dB	> 25 dB	> 26 dB		
Cross Polar	Main Direction	> 20 dB	> 22 dB	> 22 dB	> 19 dB	> 20 dB		
Discrimination	Sector Edges	> 12 dB	> 12 dB	> 10 dB	> 9 dB	> 9 dB		
Maximum Power (Per Port)		250 W (at 50°C ambient temperature)						
Intermodulation 3rd (2x43 dBm Carrier)			< -153 dBc					
Grounding			DC Ground					



700T	ARRAY	FREQUENCY	CONNECTOR	CONNECTOR TYPE
4Y LAY		1710-2690	1-2	4.3-10 or 7/16-DIN Female
ARR/	<mark>□</mark> Y2	1710-2690	3-4	4.3-10 or 7/16-DIN Female





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INTEGRATED RET PROPERTIES			PACKAGING
Protocol	Compliant with 3GP		
Power Supply	10-30VD0	Carton Box 1.557 x 0.352 x 0.207 m (61.3 x 13.9 x 8.1 in)	
Adjustment Time (Full Range)	≤ 90 sec (typical, depending		
Power Consumption	< 1 W (Idle); < 10 W		
Accuracy	≤ 0.5°	-	
Hardware Interface	RS485 and Po	ower	
Safety Standard	Compliant to EN 60950/UL	60950/ RoHS, CE	
Remote Control	Can manage from OMO	C, BTS/Node B	
Adjustment Cycles	> 10,000)	
Torque Max	≥ 160 mN.		
Lightning Protection Rating	IEC 61000-4-5 Current Pulse Profile, 8/2		
Connectors	(2x) 8-Pin Circle C According to IEC 6013 Daisy Chain In: Male; Daisy Pin 3: RS485+; Pin 5: RS485-; Pir		
MECHANICAL CHARACTERISTICS			
Dimensions (Height x Width x Depth)	1377 x 257 x 87 mm (54.	2 x 10.1 x 3.4 in)	
Weight (excluding mounting accessory)	xcluding mounting accessory) 10.3 kg (22.7 lbs)		
Radome Material, Colour	Colour UPVC		
Connector Type	(4x) 7/16-DIN Female		
Maximum Wind Speed	200 km/h (124.3 mph)		
Frontal	415 N (93.3		
Wind Load at 150 km/h	125 N (28.1 lbf)		
Lateral	460 N (103.4 lbf)		
MOUNTING KIT OPTIONS	POLE DIAMETER	MECHANICAL TILT RANGE	
All mounting bracket kits are ordered se	parately unless otherwise indicated.		



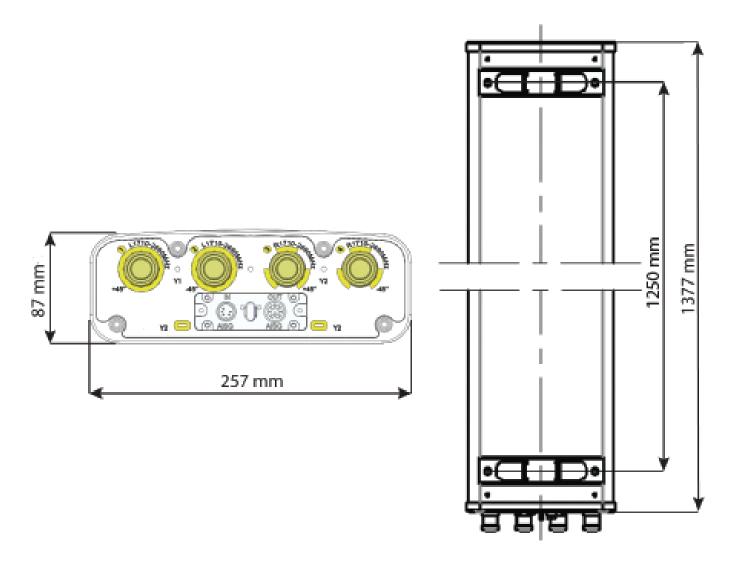


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