

(2x) 617-906 | (2x) 1695-2700 MHz 65°

2954 mm

TWIN6510LU000G-T

TWIN DUAL BAND | 8-PORT PANEL | XPOL | 65° | 2954 MM (116.3 IN)

	Frequency Range (MHz)	617-906	617-906	1695-2700	1695-2700	
>	Array	R 1	R 2	<mark> </mark> Y1	<mark> </mark> Y2	
WIEV	Connector	1-2	3-4	5-6	7-8	
JCT OVERVIEW	Connector Type	4.3-10 Female Long Neck	4.3-10 Female Long Neck	4.3-10 Female Long Neck	4.3-10 Female Long Neck	
	Polarization	XPOL	XPOL	XPOL	XPOL	
PRODUCT	Azimuth Beamwidth (avg)	65°	65°	65°	65°	
P	Electrical Downtilt	0-10°	0-10°	2-10°	2-10°	
	Dimensions	2954 x 666 x 216 mm (116.3 x 26.2 x 8.5 in)				

En la Dina di Alli			■ R1 ■ R2				
Frequency Range Frequency Sub-Range		MHz		(2x) 617-906			
		MHz	617-698	698-798	800-906		
Polarization			(2x) ±45°				
	Low Tilt	dBi	16.5	16.7	16.2		
	Mid Tilt	dBi	16.4	16.6	16.2		
Gain	High Tilt	dBi	16.4	16.5	15.7		
	Over all Tilts	dBi	16.4 ± 0.5	16.6 ± 0.5	16.1 ± 0.7		
	Max Gain	dBi	16.9	17.1	16.8		
Azimuth Beamwidth (3 dB)		degrees	70.0 ± 7.8	62.9 ± 6.4	56.7 ± 7.7		
Elevation Beamwidth (3 dB)		degrees	8.4 ± 0.7 7.3 ± 0.6		6.4 ± 0.5		
Electrical Downtilt		degrees	0-10				
Impedance		Ohms	50				
VSWR			1.5:1				
Passive IntermodulationdBm3rd Order for 2x20 W Carriers(dBc)			< -110 (< -153)				
Front-to-Back Ratio ± 30° @ 180° from boresite		dB	> 32	> 31	> 30		
Upper Sidelobe Rejection 20° Sector Above Main Beam		dB	> 17	> 16	> 13		
Cross Polar Discrimination at Mechanical Boresight (0°)		dB	> 15	> 16	> 13		
Maximum Power Per Port Watts		Watts	500				
Interband/Intraband Isolation dB		dB	25/30	25/30	25/30		

Standard values based on NGMN-P-BASTA version 9.6 recommendation.

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Frequency Range MHz			(2x) 1695-2700					
Frequency Sub-Range		MHz	1695-1880	1850-1990	1920-2200	2300-2700		
Polarization			(2x) ±45°					
	Low Tilt	dBi	16.6	16.8	17.0	17.1		
	Mid Tilt	dBi	16.8	17.0	17.2	17.0		
Gain	High Tilt	dBi	16.4	16.4	16.7	16.4		
	Over all Tilts	dBi	16.6 ± 0.8	16.8 ± 0.7	17.1 ± 0.8	16.9 ± 0.8		
	Max Gain	dBi	17.4	17.5	17.9	17.7		
Azimuth Beamwidth (3 dB)		degrees	65.1 ± 12.2	71.2 ± 9.7	63.7 ± 13.5	55.6 ± 8.9		
Elevation Beamwidth (3 dB)		degrees	6.6 ± 0.6	6.1 ± 0.4	5.7 ± 0.6	5.3 ± 6.6		
Electrical Downtilt		degrees	2-10					
Impedance		Ohms	50					
VSWR			1.5:1					
		dBm (dBc)	< -110 (< -153)					
Front-to-Back Ratio ± 30° @ 180° from boresite		dB	> 34	> 38	> 37	> 36		
Upper Sidelobe Rejection 20° Sector Above Main Beam		dB	> 17	> 17	> 18	> 17		
Cross Polar Discrimination at Mechanical Boresight (0°)		dB	> 14	> 14	> 13	> 12		
Maximum Power Per Port Watts		Watts	300					
Interband/Intraband Isolation		dB	25/30	25/30	25/30	25/30		

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RET ACTUATOR

Amphenol's **RET-READY** antennas are delivered with the RET Actuator already installed and pre-commissioned with all antenna parameters. Every RET device is factory configured and calibrated so the antenna is ready to be used once delivered to the site which means that there is no need for further installation of RET devices or for programming their configuration or for running a calibration process.

Input Voltage		Vdc	10-30	
Power	Idle State, maximum	Watts	0.5	
Consumption	Normal Conditions, maximum	Watts	10.0	
Protocol			3GPP/AISG v2.0 (Single RET)	
RET Interface			DIN Male and DIN Female	
Field Replaceable Unit			Νο	



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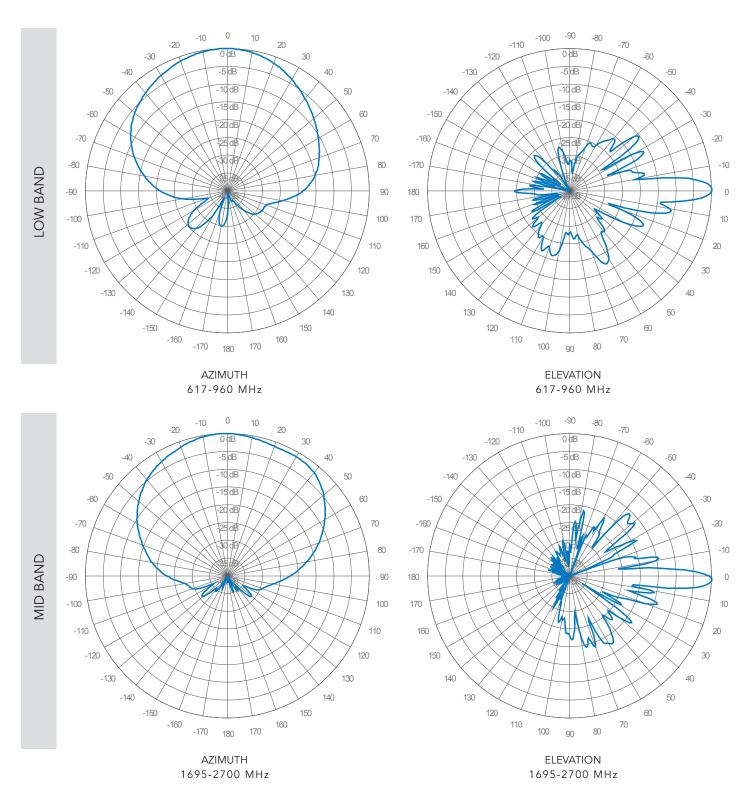


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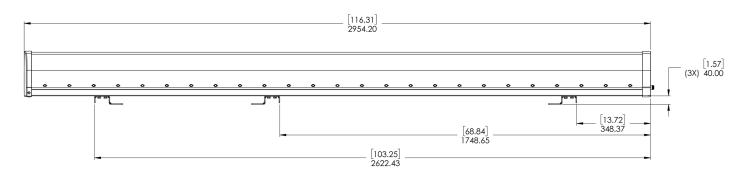
65° 2954 mm

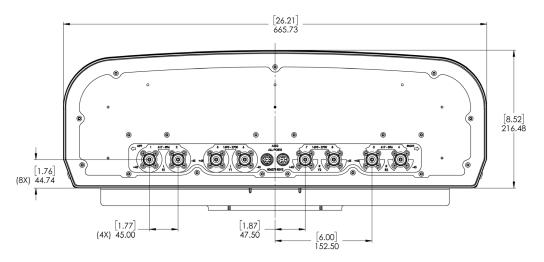
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MECHANICAL SPECIFICATIONS

Antenna	Length		mm (in)	2954 (116.3)	
	Width		mm (in)	665 (26.2)	
	Depth		mm (in)	216 (8.5)	
Net W	Net Weight - Antenna Only		kg (lbs)	50.8 (112)	
Calculation Windload Frontal		Calculation	km/h (mph)	161 (100)	
		Frontal	N (lbf)	2089 (470)	
		Lateral	N (lbf)	544 (123)	
Surviv	Survival Wind Speed		km/h (mph)	241 (150)	
	Туре			4.3-10 Female	
Conne	ector	Quantity		8	
		Position		Bottom	
Radome Color			ANSI 70 Gray		
Radome Material			UV Stabilized ABS or Hips		
Lightning Protection (Grounding Type)			Direct Ground		
			1		





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MOUNTING KITS The default mounting kit is included in the price of the antenna. Any other mounting kits are optional and must be ordered separately.

	MODEL NUMBER	DESCRIPTION	FITS PIPE DIAMETER	WEIGHT
DEFAULT MOUNTING KIT Shipped as standard and included in the price of the antenna	MKS10T02	3-Point, Scissor Tilt, Mounting & Downtilt Bracket Kit	50-115 mm (2.0-4.5 in)	9.3 kg (20.6 lbs)
OPTIONAL MOUNTING KIT Must be ordered separately	MKS10P02	3-Point Mounting Bracket Kit	50-115 mm (2.0-4.5 in)	6.4 kg (14.0 lbs)

INSTALLATION Please read all installation notes before installing this product.

Always attach the antenna using all mounting points.

Do not install the antenna with the connectors facing upwards.

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