

Electrical Properties

Frequency range (MHz)		2 x (1710 - 2690)											
		1710 - 1990			1920 - 2200			2200 - 2490			2490 - 2690		
Polarization		+45° , -45°											
Electrical downtilt (°)		0 - 6 , continuously adjustable											
Gain (dBi)		0°	3°	6°	0°	3°	6°	0°	3°	6°	0°	3°	6°
		18.1	18.3	18.2	18.4	18.6	18.5	18.9	19.2	19.1	19.2	19.4	19.0
Side lobe suppression for first side lobe above main beam (Typ.) (dB)		0°	3°	6°	0°	3°	6°	0°	3°	6°	0°	3°	6°
		20	20	16	20	20	17	18	18	18	17	17	18
Horizontal 3dB beam width (°)		69			67			65			60		
Vertical 3dB beam width (°)		4.9			4.5			4.1			3.7		
VSWR		< 1.5											
Isolation between ports (dB)		≥ 30											
Front to back ratio, copolar (dB)		Typ. 27											
Cross polar ratio (dB)	0°	Typ. 20											
	± 60°	Typ. 10											
Max. power per input (W)		250 (at 50°C ambient temperature)											
Intermodulation IM3 (dBc)		≤ -153 (2 x 43 dBm carrier)											
Impedance (Ω)		50											
Grounding		DC Ground											

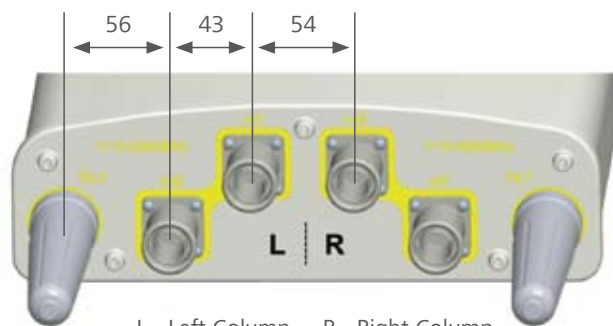
Mechanical Properties

Antenna dimensions (H x W x D) (mm)	1930 x 299 x 89
Antenna net weight (kg)	17.5
Bracket weight (kg)	4.6
Mechanical downtilt (°)	0 - 12
Mast diameter (mm)	50 - 115
Radome material	Fiberglass
Radome colour	Light grey
Operational temperature (°C)	-55 .. +65
Wind load (N)	Frontal: 765 (at 150 km/h) Lateral: 150 (at 150 km/h) Rear side: 890 (at 150 km/h)
Max. operational wind speed (km/h)	150
Survival wind speed (km/h)	200
Connector	4 x 7/16 DIN Female (Long neck)
Connector position	Bottom



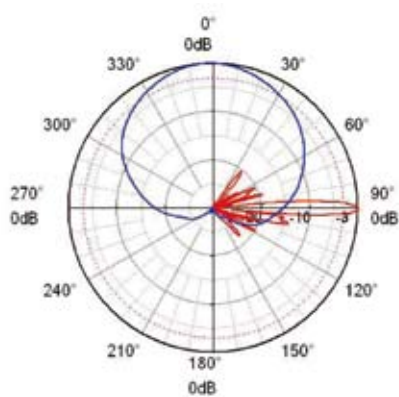
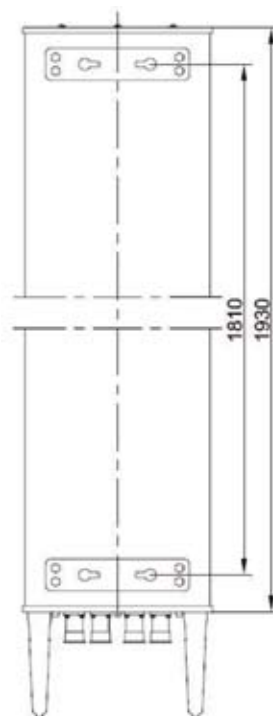
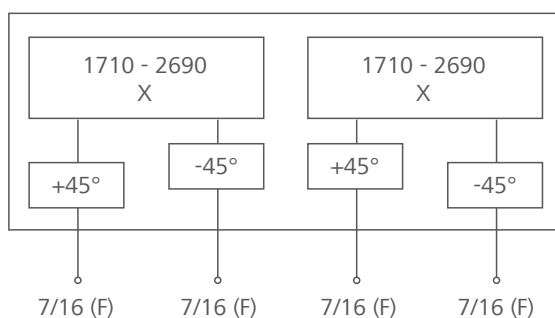
DXX-1710-2690/1710-2690-65/65-19.5i/19.5i-M/M

Model: ADU451901

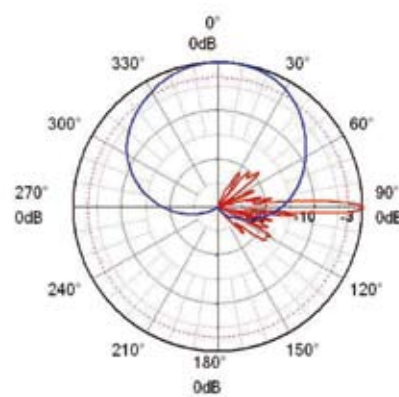


L - Left Column R - Right Column

Unit: mm



1710 - 2200 MHz



2200 - 2690 MHz

NOTE

Extraordinary operating conditions, such as heavy icing or storm wind, may result in the breakage of an antenna. These facts must be considered during the site planning process.

The installation team must be properly qualified and also be familiar with the relevant national safety regulations.

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