

Multi-band Panel **B1**
 Frequency Range **1710–2200**
 Dual Polarization **X**
 HPBW **62°**
 Adjust. Electr. DT **0°–6°**

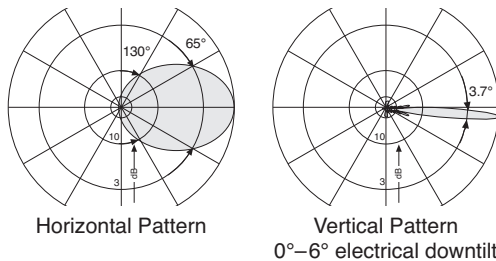


XPol Panel 1710–2200 62° 21.2dBi 0°–6°T

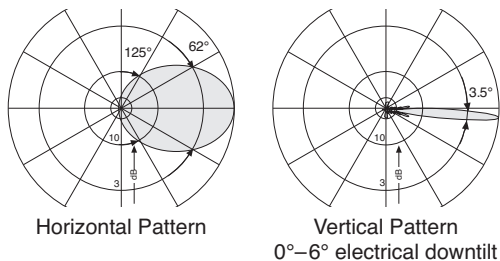
Type No.	80010378		
	B1		
	1710–2200		
Frequency range	1710 – 1880 MHz	1850 – 1990 MHz	1920 – 2200 MHz
Polarization	+45°, –45°	+45°, –45°	+45°, –45°
Gain	2 x 20.6 dBi	2 x 21.1 dBi	2 x 21.2 dBi
Horizontal Pattern:			
Half-power beam width	65°	62°	60°
Front-to-back ratio (180°±30°)	> 30 dB	> 28 dB	> 28 dB
Cross polar ratio 0°	25 dB	23 dB	23 dB
Sector ±60°	> 10 dB	> 10 dB	> 10 dB
Tracking, Avg.	1.0 dB		
Squint	±2.5°		
Vertical Pattern:			
Half-power beam width	3.7°	3.5°	3.3°
Electrical tilt	0°–6°, continuously adjustable		
Sidelobe suppresion for first sidelobe above main beam	0° ... 3° ... 6° T 18 ... 18 ... 17 dB	0° ... 3° ... 6° T 18 ... 17 ... 17 dB	0° ... 3° ... 6° T 17 ... 17 ... 17 dB
Null-fill at 0° tilt	20 dB	20 dB	20 dB
Impedance	50 Ω		
VSWR	< 1.5		
Isolation, between ports	> 30 dB		
Intermodulation IM3	< –150 dBc (2 x 43 dBm carrier)		
Max. power per input	300 W (at 50 °C ambient temperature)		



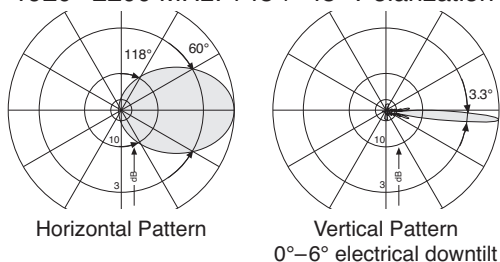
1710–1880 MHz: +45°/–45° Polarization



1850–1990 MHz: +45°/–45° Polarization



1920–2200 MHz: +45°/–45° Polarization



Mechanical specifications	
Input	2 x 7-16 female
Connector position	Bottom
Adjustment mechanism	1 x, Position bottom continuously adjustable
Wind load	Frontal: 660 N (at 150 km/h) Lateral: 260 N (at 150 km/h) Rearside: 730 N (at 150 km/h)
Max. wind velocity	200 km/h
Height/width/depth	2548 / 155 / 89 mm
Category of mounting hardware	M (Medium)
Weight	13 kg / 15 kg (clamps incl.)
Packing size	2816 x 173 x 113 mm
Scope of supply	Panel and 2 units of clamps for 42 – 115 mm diameter

936.4838 Subject to alteration.

Accessories

Type No.	Description	Remarks	Weight approx.	Units per antenna
738546	1 clamp	Mast: 42 – 115 mm diameter	1.1 kg	2 (included in the scope of supply)
85010002	1 clamp	Mast: 110 – 220 mm diameter	2.7 kg	2 (order separately if required)
85010003	1 clamp	Mast: 210 – 380 mm diameter	4.8 kg	2 (order separately if required)
737978	1 downtilt kit	Downtilt angle: 0° – 8°	2.3 kg	1 (order separately if required)

For downtilt mounting use the clamps for an appropriate mast diameter together with the downtilt kit.
Wall mounting: No additional mounting kit needed.

Material:

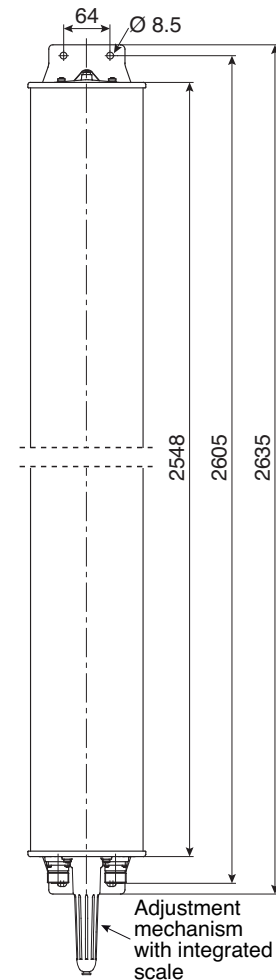
Reflector screen: Aluminum. **Radiator:** Tin-plated zinc.

Flat fiberglass radome: The max. radome depth is only 89 mm. Fiberglass material guarantees optimum performance with regards to stability, stiffness, UV resistance and painting. The color of the radome is grey.

All screws and nuts: Stainless steel or hot-dip galvanized steel.

Grounding:

The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.



Layout of interface:

