

F-Panels
Dual Polarization
Half-power Beam Width
Fixed Electrical Downtilt

1710–1880

X

90°

2°

KATHREIN

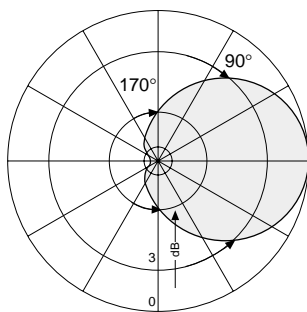
Antennen · Electronic

XPol F-Panel 1710–1880 90° 17.5dBi 2°T

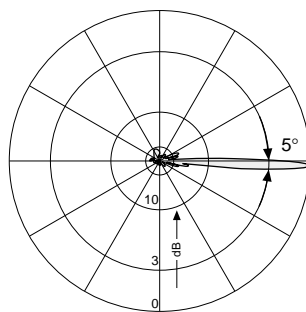
Type No.	739 710	741 105
Frequency range	1710 – 1880 MHz	
Polarization	+45°, –45°	
Gain	2 x 17.5 dBi	
Half-power beam width Copolar +45°/–45°	Horizontal: 90° Vertical: 5°	
Electrical tilt	2°, fixed	
Sidelobe suppression for first sidelobe above horizon	≥ 14 dB	
Front-to-back ratio, copolar	> 25 dB	
Isolation, between ports	> 30 dB	
Impedance	50 Ω	
VSWR	< 1.4	
Intermodulation IM3 (2 x 43 dBm carrier)	< –150 dBc	
Max. power per input	200 W (at 50 °C ambient temperature)	



+45°/–45° Polarization

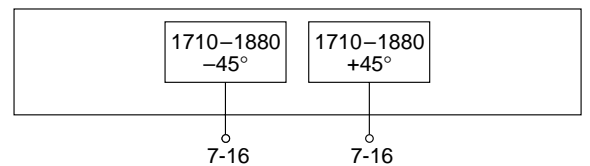


Horizontal Pattern



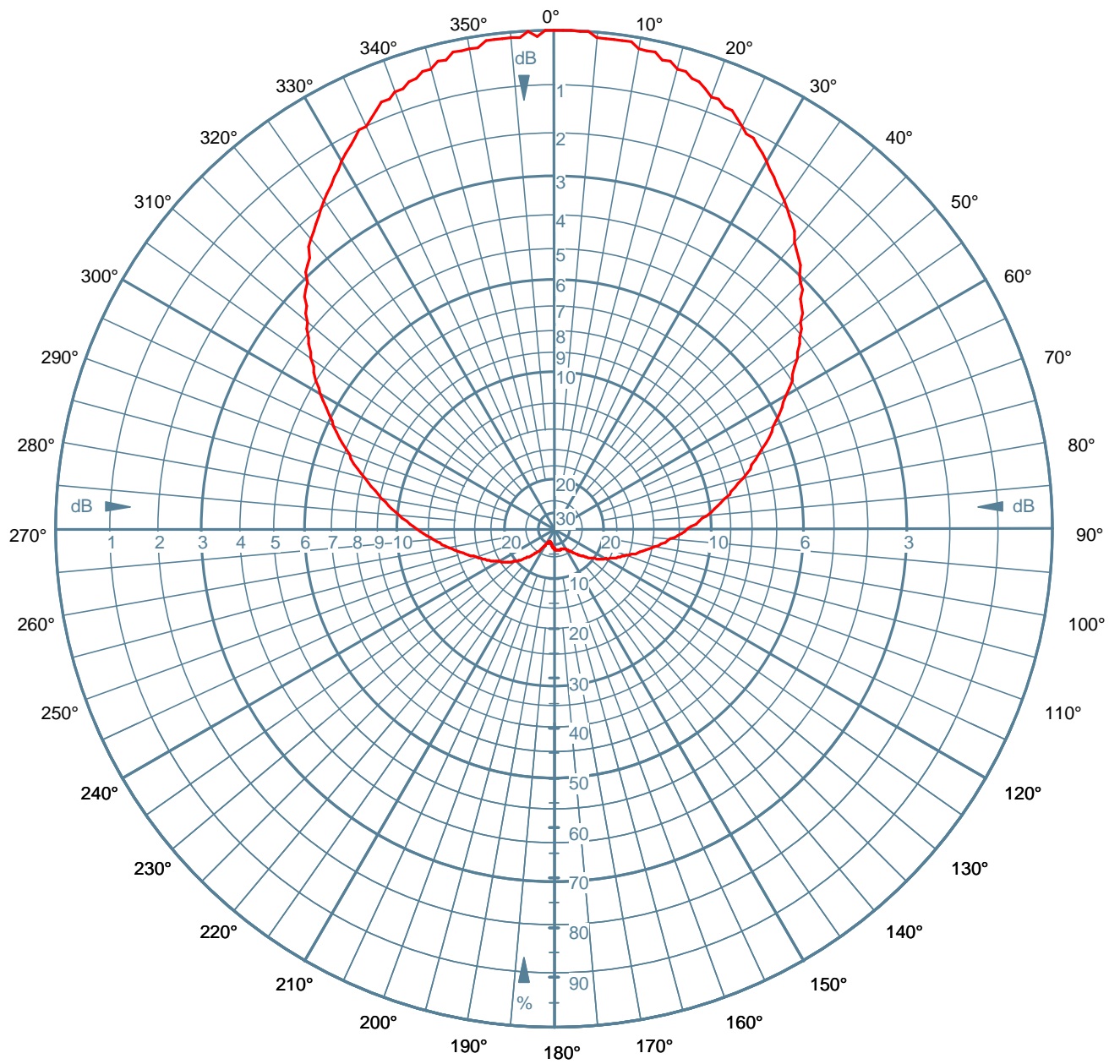
Vertical Pattern

- 2° electrical downtilt
- first null-fill below horizon better or equal –25 dB below maximum gain

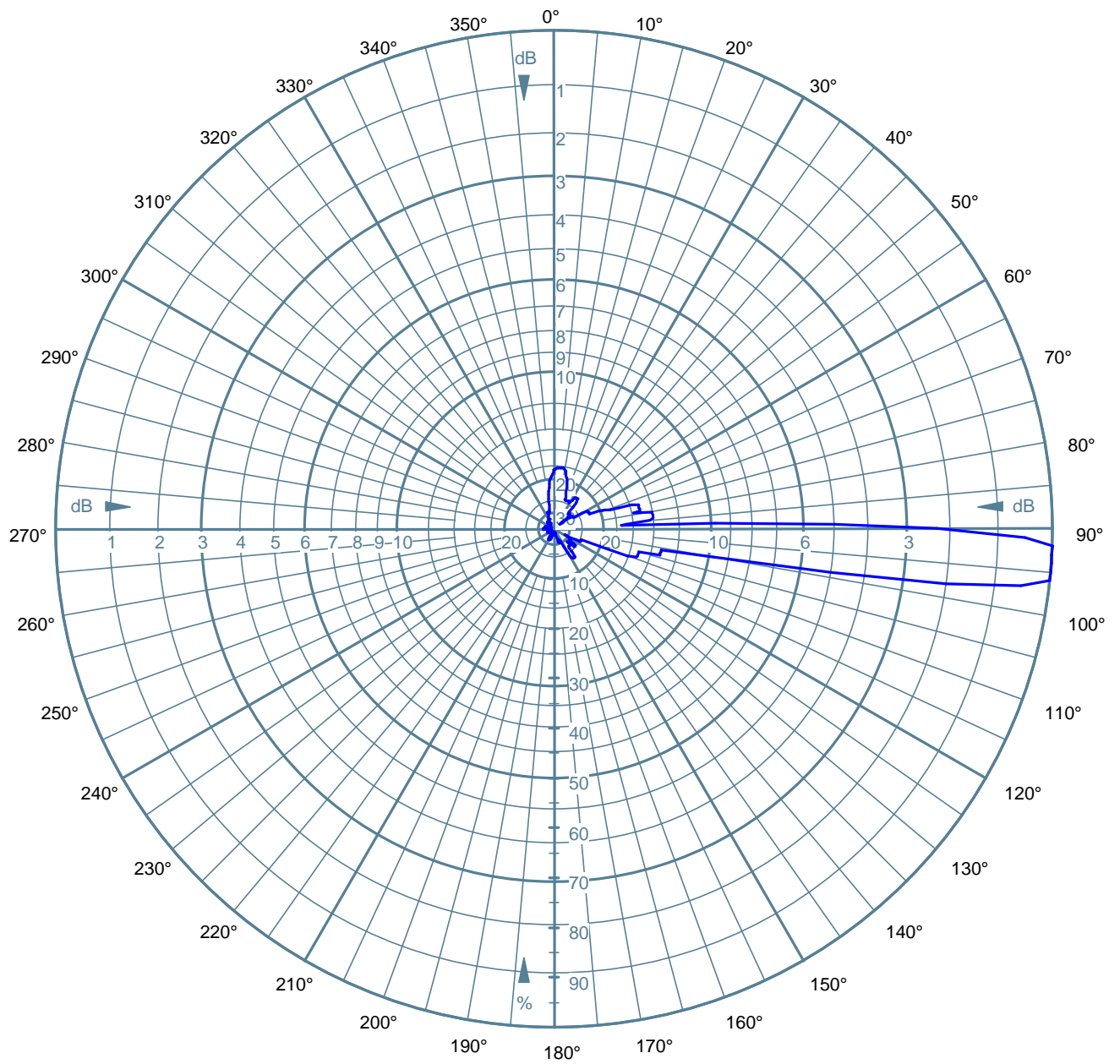


Mechanical specifications	739 710	741 105
Input	2 x 7-16 female	2 x 7-16 female
Connector position	Bottom	Top
Weight	9 kg	
Wind load	Frontal: 190 N (at 150 km/h) Lateral: 160 N (at 150 km/h) Rearside: 470 N (at 150 km/h)	
Max. wind velocity	200 km/h	
Packing size	2004 x 172 x 92 mm	
Height/width/depth	1902 / 155 / 69 mm	

936.1397/i Subject to alteration.



KATHREIN	Date 29.11.2002,	Horizontal Radiation Pattern 1840 MHz	Type 739710_2E0-4M
	Name		



KATHREIN	Date 29.11.2002,	Vertical Radiation Pattern 1840 MHz	Type 739710_2E0-4M
	Name		