Antenna type ARP689416XZ

BROADBAND V/H POLARIZATION PANEL ANTENNA

690 ÷ 2700 MHz



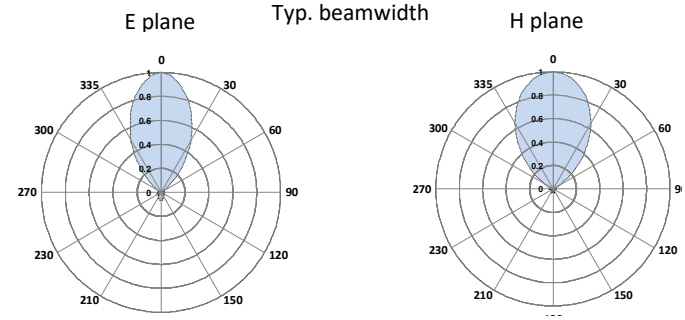
- INDOOR-OUTDOOR PANEL ANTENNA
- SMALL DIMENSIONS
- ROTATABLE AND TILTABLE
- FULL RADOME
- GOOD MECHANICAL PERFORMANCE
- V/H POLARIZATION

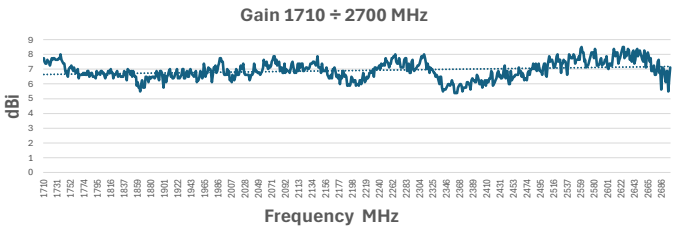
● Antenna direzionale a pannello con polarizzazione verticale o orizzontale senza tilt, commutabile facilmente tramite la staffa di montaggio su palo. Indicata per uso interno in sistemi DAS e per uso esterno come antenna donatrice verso la stazione ripetitrice BTS. La particolarità di questo modello è la possibilità di regolare, anche in ambienti indoor, direzione e tilt del diagramma di radiazione, così da ottimizzare al meglio la copertura radio in ogni area di servizio.

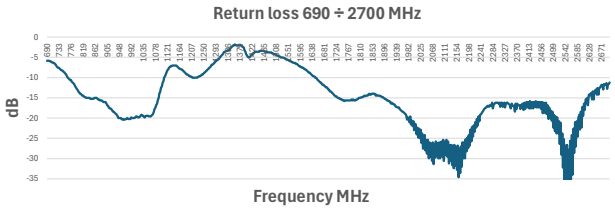
● *Directional panel antenna with vertical or horizontal polarization without tilt, easily switchable via the pole-mount bracket. Suitable for indoor use in DAS systems and for outdoor use as a donor antenna toward a BTS repeater station. The key feature of this model is the ability to adjust, even in indoor installations, the azimuth direction and tilt of the radiation pattern, allowing optimal radio coverage in every service area.*

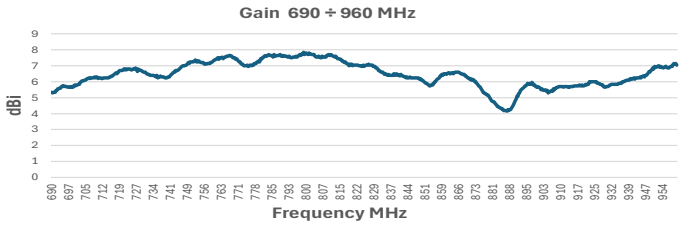
● *Antenne panneau directionnelle à polarisation verticale ou horizontale sans inclinaison, commutable facilement grâce à la bride de fixation sur mât. Recommandée pour une utilisation intérieure dans les systèmes DAS et pour une utilisation extérieure comme antenne donneuse vers la station relais BTS. La particularité de ce modèle est la possibilité de régler, y compris en environnement indoor, l'orientation (azimut) et le tilt du diagramme de rayonnement, afin d'optimiser au mieux la couverture radio dans chaque zone de service.*

ELECTRICAL DATA		
Frequency range	MHz	690÷960/1710÷2700
Gain max.	dBi	7 / 8 See table
Return loss	dB	See table
Nominal impedance	Ω	50
Polarization	Ω	V/H
H beamwidth typ.	-3 dB	60°
E beamwidth typ.	-3 dB	50°
Front to Back ratio	dB	≥20
Max Power	W	50
Connector		N f.
Operating temp.	°C	-20÷60°
MECHANICAL DATA		
Dimension length	mm	260x170x60
Weight with clamp	kg	0.7
Mounting	mm	Ø 40÷50
MATERIALS		
Aluminium –Teflon –Polyvinyl chloride –		
ORDERING AND PACKAGING INFORMATIONS		
packaging	270x190x100 mm.	









In relazione alle normative in materia di responsabilità sui prodotti, segnaliamo che nel caso di utilizzo delle nostre antenne in condizioni operative particolari, quali ad esempio forti sollecitazioni dinamiche dovute a vento, vibrazioni o deformazioni delle strutture di sostegno, si possono verificare rotture del prodotto stesso e/o la caduta a terra. L'installatore che deve essere altamente qualificato, deve conoscere le normative nazionali di sicurezza in vigore, deve seguire le informazioni contenute nelle nostre istruzioni, deve verificare sempre l'adeguatezza del prodotto stesso alle condizioni operative del sito di installazione e deve controllare l'installazione operando la manutenzione periodica dell'impianto. — In relation to the laws concerning product liability, we notify you that in case you use our antennas in severe operative conditions such as, for example, strong wind, vibrations or distortions of the support structure, the product can break and/or fall down. The person who install the product must be skilled, must know the national security law in force, must follow the product instructions, must check that the product is compatible with the installation site and must control the installation with periodical maintenance.

Updating 01/2026

PROTEL reserves the right to amend or modify any time in order to improve designs and to supply the best possible product described in this brochure without prior notification. copyright©