



Antenna type ARB92417.1

HIGH GAIN BROADBAND DIRECTIONAL ANTENNA

2300 ÷ 2690 MHz

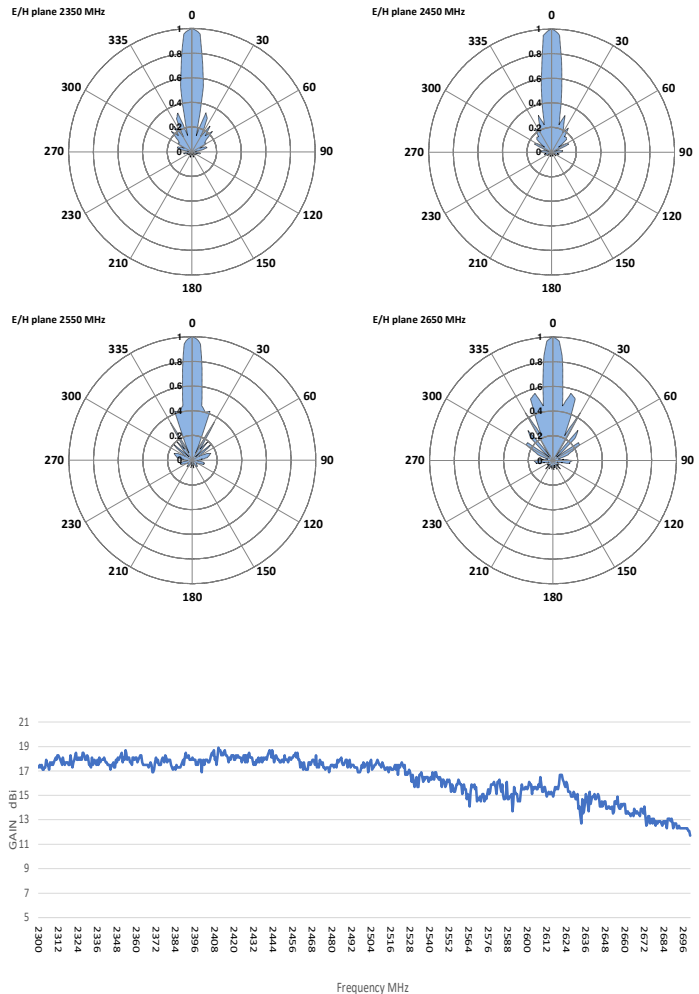


- 5G-4G-LTE-IMT-E-WCS-MMDS-WIRELESS
- BAND 30-38-40-41-53-69-n7-n30-n38-n41-n90
- DOUBLE INPUT 4.3/10 FEED POL. +/- 45°
- FULL FLAME RETARDANT RADOME*
- HIGH MECHANICAL PERFORMANCE
- 2 x 4.3/10 CONNECTOR "MIMO" READY
- RAILWAY – HIGHWAY - SUBWAY TUNNEL

• Antenna direzionale a larga banda ad alto guadagno. 5G-4G-LTE-IMT-E-WCS-MMDS-WIRELESS BANDA 30-38-40-41-53-69-n7-n30-n38-n41-n90-2300÷2700 MHz con polarizzazione +/-45°. Di serie con radome di protezione contro urti e forti agenti atmosferici in vetroresina *anche in versione ignifuga. Tutta l'antenna è elettricamente a massa. Impiegata per coperture radio telefoniche in gallerie autostradali ferroviarie, metropolitane e ponti radio punto-punto. Adatta per sistemi MIMO.

• Directional antenna with high gain broadband 5G-4G-LTE-IMT-E-WCS-MMDS-WIRELESS BAND-30-38-40-41-53-69-n7-n30-n38-n41-n90-2300÷2700 MHz with +/-45° polarization. Built as standard with fiberglass protection cover against shocks and strong atmospheric agents*also in flame retardant version. All parts of the antenna are electrically grounded. Specially used for radio coverage in motorway, railway, underground tunnels and point to point radio link. Suitable for MIMO systems.

ELECTRICAL DATA		
Frequency range	MHz	2300÷2690
Bandwidth	MHz	390
Nominal impedance	Ω	50
Return loss / VSWR	dB	≥ -14 / 1.5:1
Polarization		+/-45°
Gain (see table informations)		
Gain Max 2300÷2500 MHz	dBi	18
Gain Max 2500÷2600 MHz	dBi	16
Gain Max 2600÷2690 MHz	dBi	13.5
H/E beamwidth 2350 MHz	-3dB	13°
H/E beamwidth 2450 MHz	-3dB	13°
H/E beamwidth 2550 MHz	-3dB	13°
H/E beamwidth 2650 MHz	-3dB	14°
Connector		2X 4.3-10f
Max Power	W	150
Lightning protection	All metal parts and inner connector are D.C. grounded	
MECHANICAL DATA		
Dimension length	mm.	∅ 120 x 1350
Weight with clamps	kg	5.2
Mounting	mm.	∅ 80
Wind load front/side (180km/h)	Kg	1.8 - 25.8
Ice protection *	fiberglass full radome	
Packaging typ.	150x20x20 cm. Kg 7	
MATERIALS		
Aluminium, Teflon, Copper, Brass, Silver 5µm RoHS Compliant		
ACCESSORIES		
CODE	FIBERGLASS FLAME RETARDANT RADOME	
ARB92417.1RI		
ORDERING INFORMATION		
ARB92417.1	FIBERGLASS STANDARD RADOME	
ARB92417.1RI	* FIBERGLASS FLAME RETARDANT RADOME	



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 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 know the national security law in force, must follow the product instructions, must check that the installation is compatible with the installation site and must control the installation with periodical maintenance.

Updating
05/2023

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©

