



# Amplified portable antenna ARK103XZ

HANDHELD INTERFERENCE FINDER **GSM÷LTE÷DCS÷UMTS**



## ELECTRICAL DATA

<b>Frequency range</b>	MHz	1350÷2200
<b>beamwidth</b>	MHz	850
<b>Gain max.</b>	dBi	30
<b>VSWR</b>	dB	≤1.5:1
<b>Return loss</b>	dB	≥ -14
<b>Typ. noise figure</b>	dB	0.49
<b>Nominal impedance</b>	Ω	50
<b>Polarization</b>		V-H
<b>H beamwidth 1800 Mhz</b>	-3 dB	15
<b>H beamwidth 1900 Mhz</b>	-3 dB	14
<b>H beamwidth 2100 Mhz</b>	-3 dB	12
<b>E beamwidth 1800 Mhz</b>	-3 dB	18
<b>E beamwidth 1900 Mhz</b>	-3 dB	14
<b>E beamwidth 2100 Mhz</b>	-3 dB	13
<b>cable</b>		0.5 mt.cable BWL195 Nf
<b>P. supply/autonomy</b>		5 V inside rechargeable battery/24h
<b>Lightning protection</b>		All metal parts are D.C. grounded

## MECHANICAL DATA

<b>Dimension suitcase</b>	mm	900X305x100
<b>Weight suitcase +antenna</b>	kg	5.1
<b>Weight only antenna</b>	kg	1.8
<b>Mounting</b>		
Impugnatura a mano		Handheld
Sul palo del mezzo		on mast of mobile vehicles Ø 30mm.
Mobile Ø 30 mm.		
sul cavalletto/tripode		on tripod Ø 30 mm.

## MATERIALS

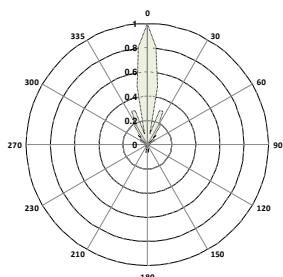
Anticorodal aluminium -Brass-Teflon-Polycarbonate  
- Polyvinyl chloride - RoHS compliance

## ACCESSORIES

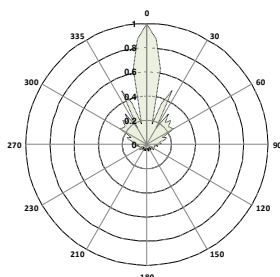
**TRIPODE01** TRIPODE 1.8 mt.

## ORDERING AND PACKAGING INFORMATIONS

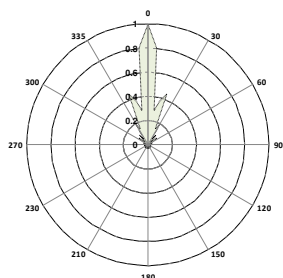
ARK103XZ	COMPLETE HANDHELD SET GSM÷LTE÷DCS÷UMTS
PACKAGING mm.	950x310x110 / weight 5.5 Kg



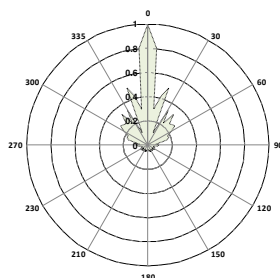
1850 Mhz E plane



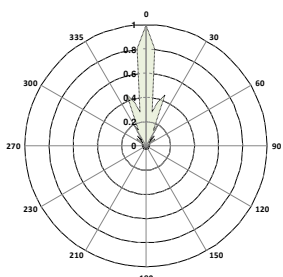
1850 Mhz H plane



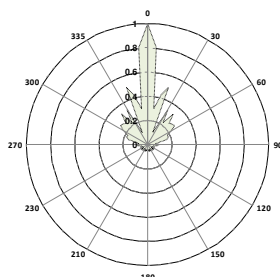
1900 Mhz E plane



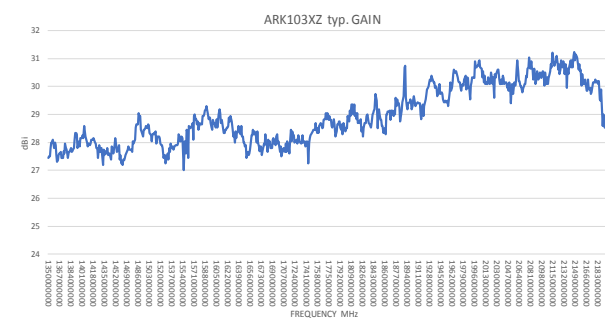
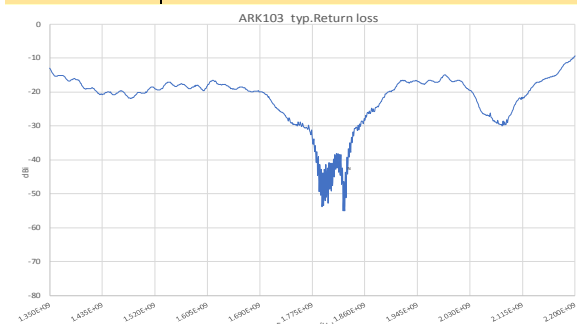
1900 Mhz H plane



2050 Mhz E plane



2050 Mhz H plane



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  
12/2017

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

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