


ANT S.r.l. Via della Concordia, 4 – 37036 S. Martino B/A (VR) - Italia Tel. +39 045 8781380 Fax +39 045 8795335 e-mail: commerciale@antsrl.eu www.antsrl.eu	DESCRIPTION	
	Multiband antenna suitable for applications 868/915MHz (LoRa, LoRaWAN, Sigfox, ISM), GSM900MHz, 4G-LTE / 5G (Band 5, 7, 8, 20, 38) Omnidirectional antenna with radiating element specific for each frequency band (geometry $\lambda/4 - \frac{1}{4}$ wave)	

Chinook-ST 868-915-GSM-WIFI-LTE/5G

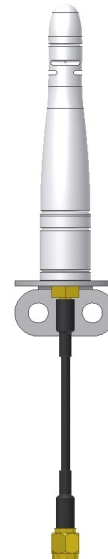
P/N: L03-000

ELECTRICAL DATA

Frequency range:	798-960 / 2400-2690 MHz
Impedance:	50 Ω
V.S.W.R. 868/915 MHz:	< 2 : 1
V.S.W.R. LTE/5G 798/960 MHz:	< 2 : 1
V.S.W.R. WiFi 2400 MHz:	< 2 : 1
V.S.W.R. LTE/5G 2600 MHz:	< 2 : 1
Max power:	25 W
Polarisation:	Linear
Radiation:	Omnidirectiona.
Gain 868/915 MHz:	2.1 dBi
Gain LTE/5G 798/960 MHz:	2.1 dBi
Gain WiFi 2400 MHz:	2.1 dBi
Gain LTE/5G 2600 MHz:	2.1 dBi

MECHANICAL DATA

Dimensions (approx):	100x80x30 mm
Connection:	SMA plug (other on request) RG174 3 m (other on request)
Cable:	-40° / +80°C
Operating temperature range:	0.100 kg
Weight:	Thermoplastic elastomer (fully overmoulded antenna)
Radome material:	Stainless steel, brass
Radiating element material:	Stainless steel
Bracket material:	Stainless steel
Accessories:	Gasket for cover of SMA socket nut



Protection against oxidation: the antenna is designed to be able to withstand the worst climatic conditions and so that the oxidation of its parts is prevented: the plastic parts are made of raw materials resistant to external environmental agents.

Protection against accidental hits: The antenna is designed making sure persons are protected from accidental hits against its projecting parts.

RoHS Directive: The antenna complies with the RoHS Directive and all its subsequent.

MOUNTING INSTRUCTIONS

Please use two Fischer plugs for $\varnothing 6$ millimetre diameter holes.

WARNING:

For a correct installation, please mount the antenna so that the rod is in vertical position and at least 5 cm apart from any metallic object and in vertical polarisation

The performances stated have been tested in ideal conditions.

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Omnidirectional antenna with radiating element
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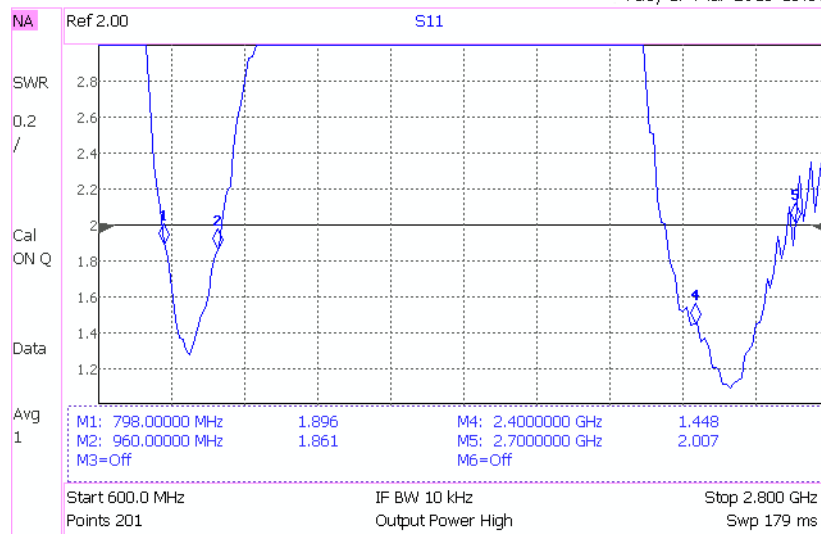
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V.S.W.R. (antenna mounted on wall)

Keysight Technologies

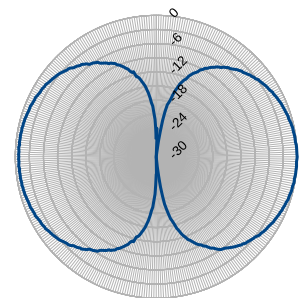
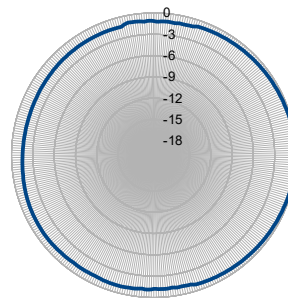
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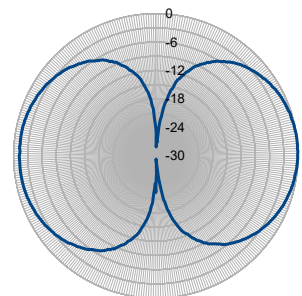
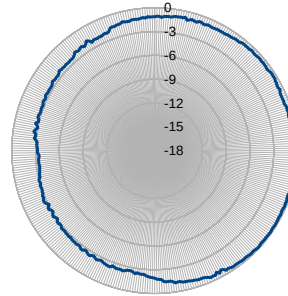
H-Plane

E-Plane

900 MHz



2500 MHz



ITS NAME:

The **Chinook** is a warm föhn wind, which blows from the Rocky Mountains usually after a long cold period. In these cases the temperature sometimes reaches 20-40 Fahrenheit degrees in a matter of minutes. For this reason the Chinook wind is also known as "Snow Eater".

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