


<b>ANT S.r.l.</b> Via della Concordia, 4 – 37036 S. Martino B/A (VR) - Italia Tel. +39 045 8781380 Fax +39 045 8795335 e-mail: <a href="mailto:commerciale@antsrl.eu">commerciale@antsrl.eu</a> <a href="http://www.antsrl.eu">www.antsrl.eu</a>	<b>DESCRIPTION</b>	
	<b>Multiband antenna</b> suitable for applications 868/915MHz (LoRa, LoRaWAN, Sigfox, ISM), GSM-GPRS 900/1800MHz, 3G-UMTS 2100MHz, 4G-LTE / 5G (Bands1, 2, 3, 5, 8) Omnidirectional antenna with radiating element specific for each frequency band (geometry $\lambda/4 - 1/4$ wave)	

**Chinook (whip only)**

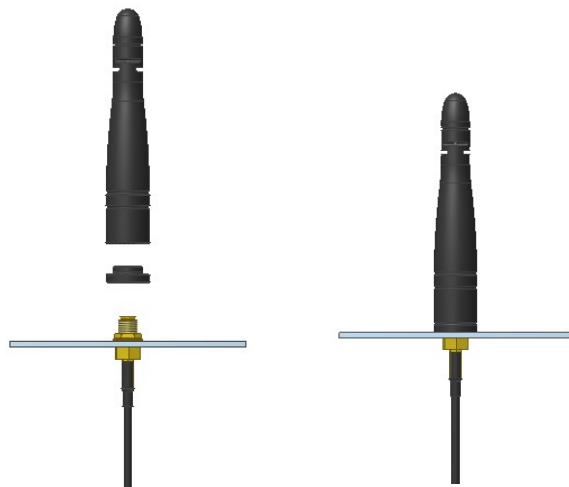
**P/N: B01-000**

**ELECTRICAL DATA**

Frequency range:	824-960 / 1710-2170 MHz
Impedance:	50 $\Omega$
V.S.W.R. 868/915 MHz:	< 2 : 1
V.S.W.R. 824-960 MHz:	< 2 : 1
V.S.W.R. 1710-1880 MHz:	< 2 : 1
V.S.W.R. 1880-2170 MHz:	< 2.9 : 1
Max power:	25 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain 868/915 MHz:	2.15 dBi
Gain 824-960 MHz:	2.15 dBi
Gain 1710-1880 MHz:	2.15 dBi
Gain 1880-2170 MHz:	2.15 dBi

**MECHANICAL DATA**

Dimensions (approx):	$\varnothing 15 \times 80$ mm
Connection:	SMA plug (thread on brass insert)
Cabl	On request
Operatig temperature range:	-40° / +80°C
Weight:	0.050 kg
Radome Material:	Thermoplastic elastomer (fully overmoulded antenna)
Radiating element material:	Stainless steel, brass
Accessories:	Gasket for cover of SMA socket nut
Optional accessories:	Stainless steel bracket with extension cable (on request)



**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: there are no sharp edges or projecting parts.


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

**MOUNTING INSTRUCTIONS**

**Whip only:**  
please mount the antenna on SMA socket.  
Please use the supplied gasket depending on the protrusion of the SMA socket.

**Pole or wall mounting:** please use the proper mounting kit

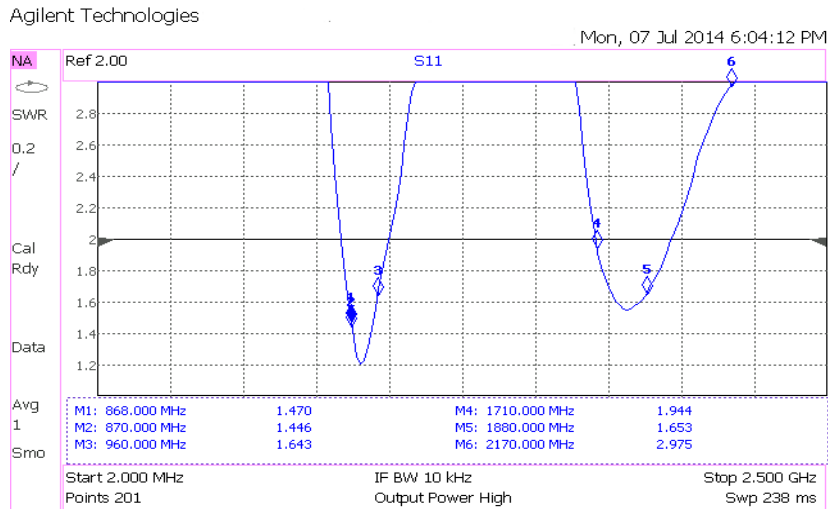
**WARNING:**  
To achieve the stated performances the antenna requires a ground plane.

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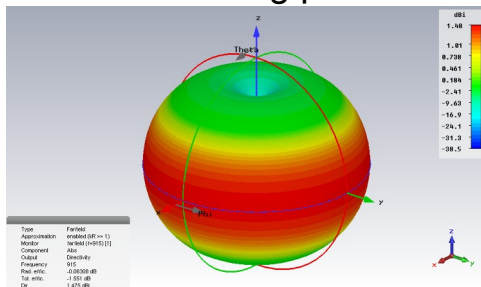
**Chinook (whip only)**

**P/N: B01-000**

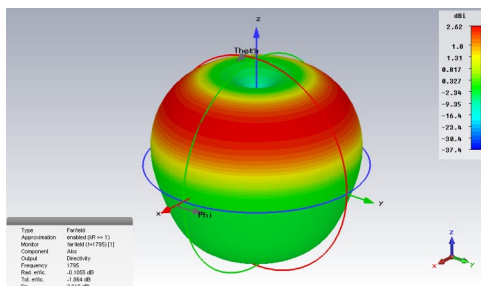
### V.S.W.R.



### 3D Radiating pattern

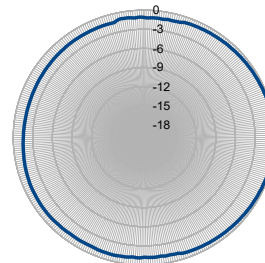
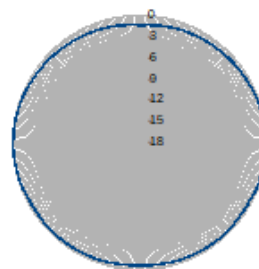


**900 MHz**

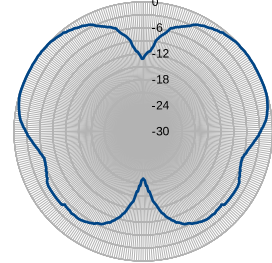
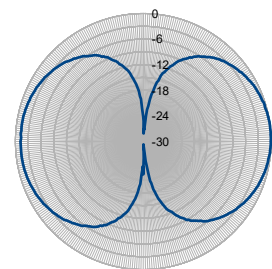


**1800 MHz**

### H-Plane



### E-Plane



### ITS NAME:

*The **Chinook** is a warm töhn 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 know as "Snow Eater".*

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