


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, WiFi 2400MHz, 4G-LTE / 5G (Bands 7, 8, 38) Omnidirectional antenna with radiating element specific for each frequency band (geometry $\lambda/4 - 1/4$ wave)	

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

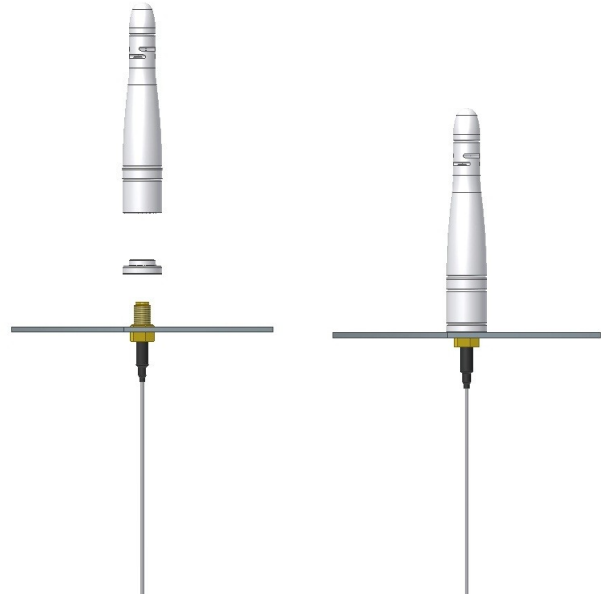
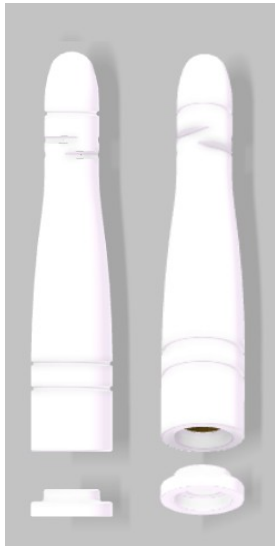
P/N: L00-002

ELECTRICAL DATA

Frequency range:	860-960 / 2400-2690 MHz
Impedance:	50 Ω
V.S.W.R. 868/915 MHz:	< 2 : 1
V.S.W.R. GSM 900 MHz:	< 2 : 1
V.S.W.R. WIFI 2400 MHz:	< 2 : 1
V.S.W.R. LTE 2600 MHz:	< 2 : 1
Max power:	25 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain 868/915 MHz:	2.15 dBi
Gain GSM 900 MHz:	2.15 dBi
Gain WIFI 2400 MHz:	2.15 dBi
Gain LTE 2600 MHz:	2.15 dBi

MECHANICAL DATA

Dimensions (approx):	\varnothing 15x80 mm
Connection:	SMA plug (thread on brass insert)
Cable:	On request
Operating 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



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

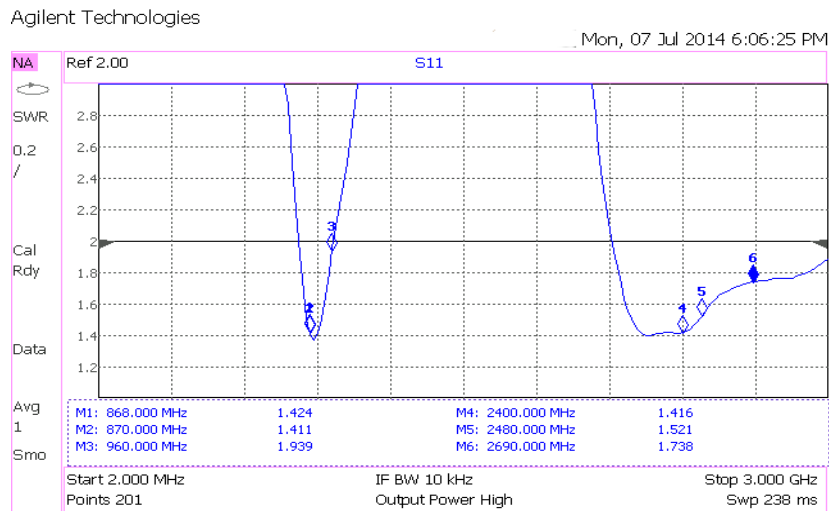
WARNING:
To achieve the stated performances the antenna requires a ground plane.

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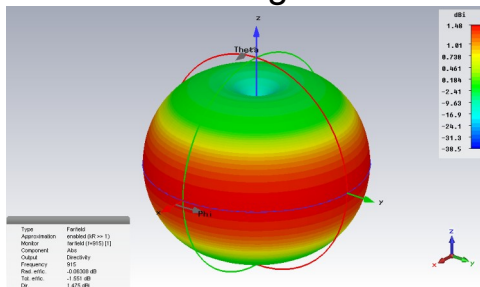
Chinook 868-915-GSM-WIFI-LTE/5G

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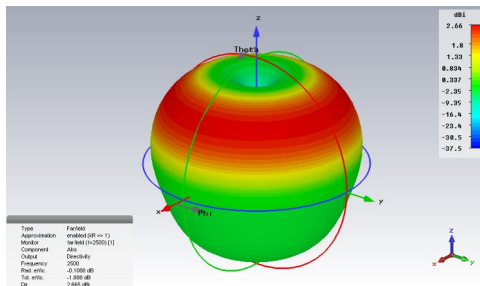
V.S.W.R.



3D Radiating Pattern

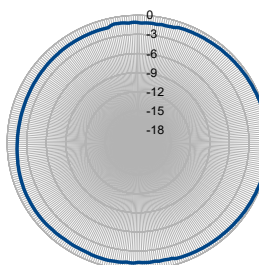
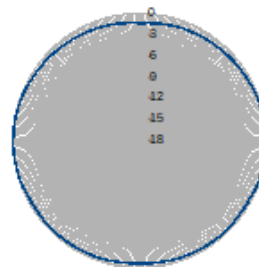


900 MHz

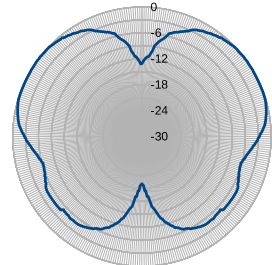
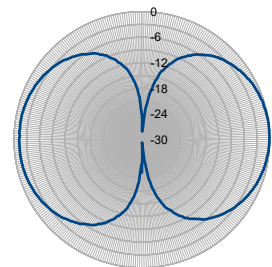


2500 MHz

H-Plane



E-Plane



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 know as "Snow Eater".*