


<p>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</p>	<p>DESCRIPTION</p>	
	<p>Multiband antenna wide range suitable for applications: 868/915MHz (LoRa, LoRaWAN, Sigfox, ISM), GSM- GPRS 900/1800MHz, 3G-UMTS 2100MHz, WiFi 2.4GHz, 4G-LTE / 5G (Bands: 1, 2, 3, 5, 7, 8, 20, 28 77, 78) Omnidirectional antenna with radiating element specific for each frequency range (with mixed geometry $\lambda/4$ - $1/4$ wave 5/8 wave)</p>	

Chinook-LTE (whip only)
Chinook-LTE (bracket + 3m cable)
Chinook-LTE (bracket + 5m cable)

P/N: B21-000
P/N: B23-000
P/N: B23-002

ELECTRICAL DATA

Frequency ranges:	698-960/1710-2170/ 2400-2690/3300-3800MHz
Impedance:	50 Ω
V.S.W.R. 698-960 MHz:	< 2 : 1
V.S.W.R. 1710-2170 MHz:	< 2 : 1
V.S.W.R. 2400-2690 MHz:	< 2 : 1
V.S.W.R. 3300-3800 MHz:	< 2 : 1
Max power:	25 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain 698-960 MHz:	2.1 dBi
Gain 1710-2170 MHz:	3.5 dBi
Gain 2400-2690 MHz:	4.5 dBi
Gain 3300-3800 MHz:	4.5 dBi

MECHANICAL DATA

Dimensions (about):	$\varnothing 15.9 \times 82$ mm (antenna whip)
Connection:	SMA plug (antenna whip)
Cable:	available on request
Bracket/ground plane:	available on request
Operating temperature range:	-30° / +80°C
Weight:	0.040 kg (antenna whip)
Radome material:	Thermoplastic elastomer
Radiating element material:	Stainless steel, brass
Optional mounting accessories:	Brackets of mounting on pole/wall f stainless steel band for poles $\varnothing 38/200$ mm (1.5/80inch.) only on request

WHIP ANTENNA ONLY



ANTENNA WITH BRACKET (GROUND PLANE) FOR WALL / POLE MOUNTING



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 mounting: please use the proper mounting kit

Wall mounting: please use two Wall plugs for wall mounting

WARNING:

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

<p>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</p>	<p>DESCRIPTION</p>	
	<p>Multiband antenna wide range suitable for applications: 868/915MHz (LoRa, LoRaWAN, Sigfox, ISM), GSM- GPRS 900/1800MHz, 3G-UMTS 2100MHz, WiFi 2.4GHz, 4G-LTE / 5G (Bands: 1, 2, 3, 5, 7, 8, 20, 28 77, 78) Omnidirectional antenna with radiating element specific for each frequency range (with mixed geometry $\lambda/4$ - $1/4$ wave 5/8 wave)</p>	

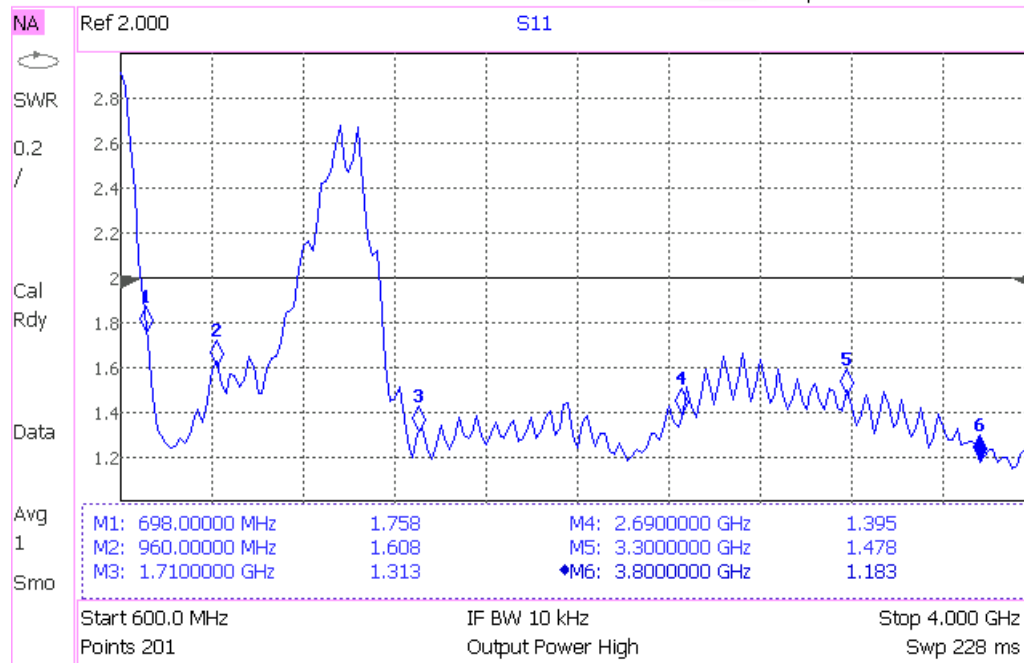
Chinook-LTE (whip only)	P/N: B21-000
Chinook-LTE (bracket + 3m cable)	P/N: B23-000
Chinook-LTE (bracket + 5m cable)	P/N: B23-002

V.S.W.R.

(measured whit 5m cable and proper ground plane)

Keysight Technologies

Fri, 19 Nov 2021 16:45



DESCRIPTION

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

Multiband antenna wide range
 suitable for applications:
 868/915MHz (LoRa, LoRaWAN, Sigfox, ISM), GSM-
 GPRS 900/1800MHz, 3G-UMTS 2100MHz, WiFi
 2.4GHz, 4G-LTE / 5G (Bands: 1, 2, 3, 5, 7, 8, 20, 28
 77, 78)

Omnidirectional antenna with radiating element
 specific for each frequency range (with mixed
 geometry $\lambda/4$ - $1/4$ wave $5/8$ wave)

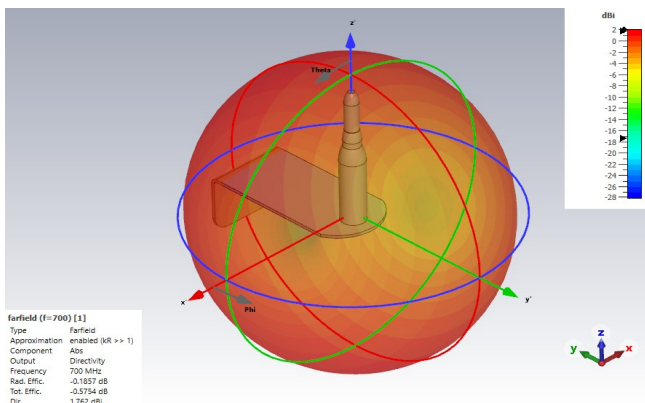


Chinook-LTE (whip only)
Chinook-LTE (bracket + 3m cable)
Chinook-LTE (bracket + 5m cable)

P/N: B21-000
P/N: B23-000
P/N: B23-002

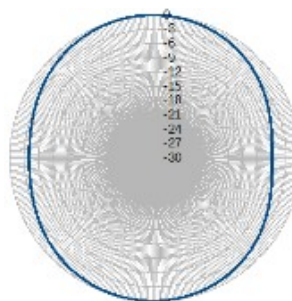
Radiating patterns

3D radiation simulation

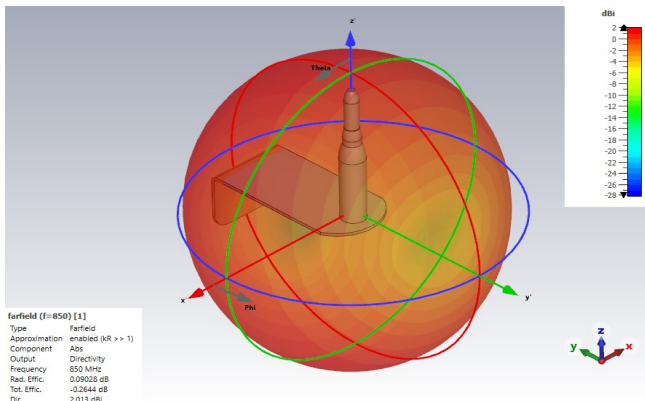
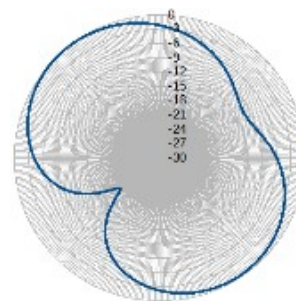


700 MHz

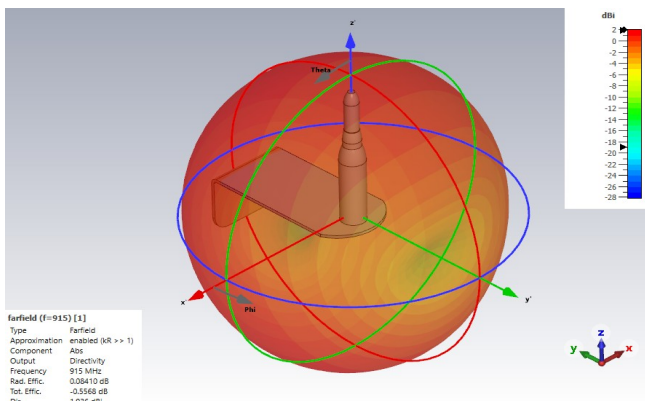
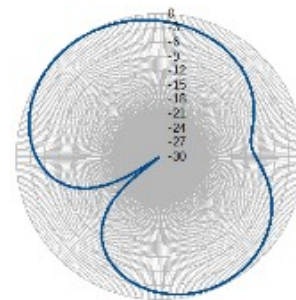
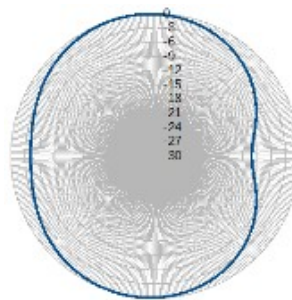
H-plane



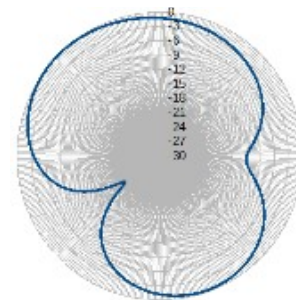
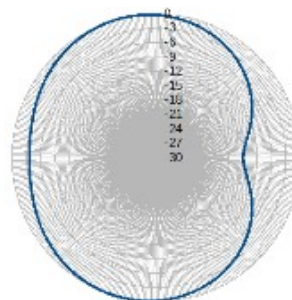
E-plane



850 MHz



915 MHz



ANT S.r.l. si riserva di apportare modifiche e miglioramenti in qualsiasi momento senza obbligo di preavviso
 ANT S.r.l. reserves the right to change or improve this documentation at all times and without notice.

DESCRIPTION

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

Multiband antenna wide range
suitable for applications:
868/915MHz (LoRa, LoRaWAN, Sigfox, ISM), GSM-
GPRS 900/1800MHz, 3G-UMTS 2100MHz, WiFi
2.4GHz, 4G-LTE / 5G (Bands: 1, 2, 3, 5, 7, 8, 20, 28
77, 78)

Omnidirectional antenna with radiating element
specific for each frequency range (with mixed
geometry $\lambda/4$ - $1/4$ wave $5/8$ wave)

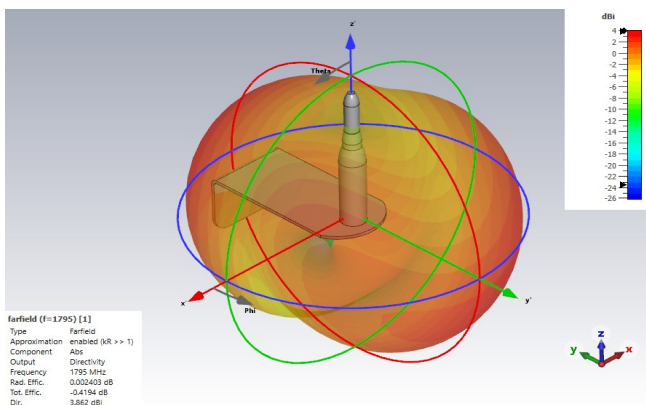


Chinook-LTE (whip only)
Chinook-LTE (bracket + 3m cable)
Chinook-LTE (bracket + 5m cable)

P/N: B21-000
P/N: B23-000
P/N: B23-002

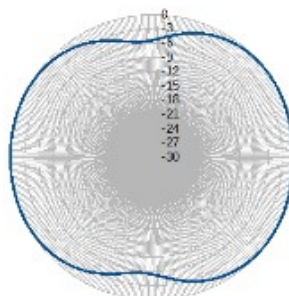
Radiating patterns

3D radiation simulation

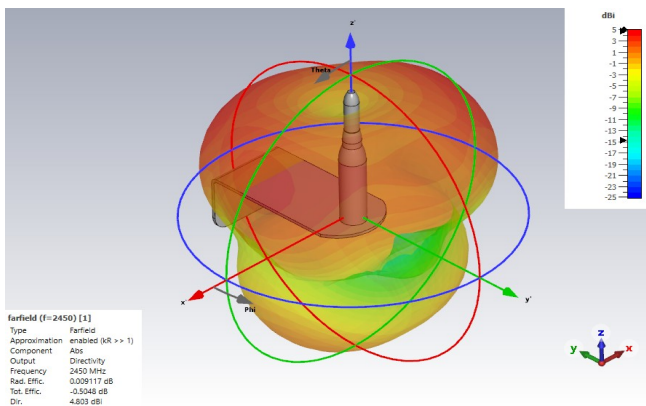
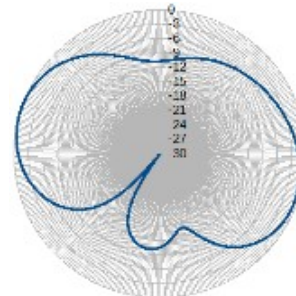


1795 MHz

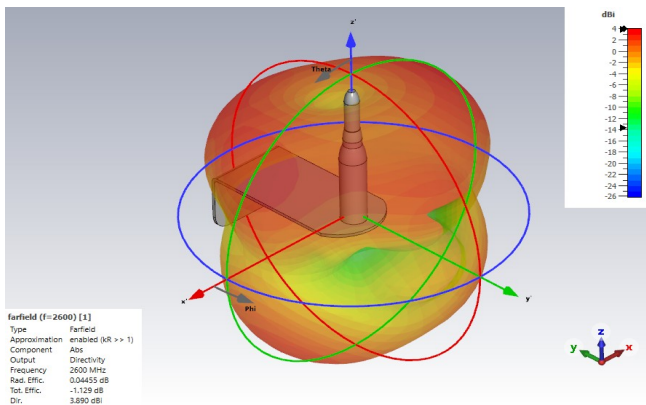
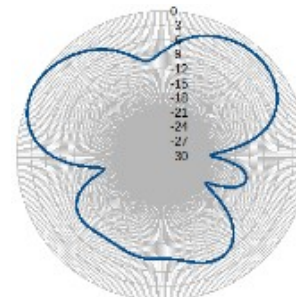
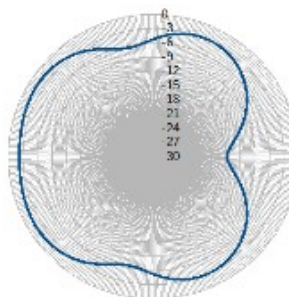
H-plane



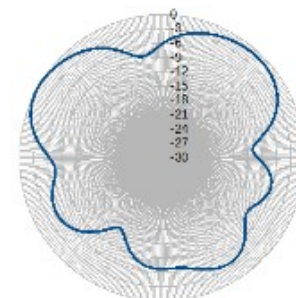
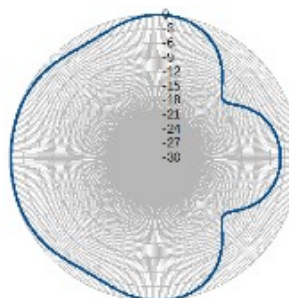
E-plane



2450 MHz



2600 MHz



ANT S.r.l. si riserva di apportare modifiche e miglioramenti in qualsiasi momento senza obbligo di preavviso
ANT S.r.l. reserves the right to change or improve this documentation at all times and without notice.

DESCRIPTION

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

Multiband antenna wide range
suitable for applications:
868/915MHz (LoRa, LoRaWAN, Sigfox, ISM), GSM-
GPRS 900/1800MHz, 3G-UMTS 2100MHz, WiFi
2.4GHz, 4G-LTE / 5G (Bands: 1, 2, 3, 5, 7, 8, 20, 28
77, 78)

Omnidirectional antenna with radiating element
specific for each frequency range (with mixed
geometry $\lambda/4$ - $1/4$ wave $5/8$ wave)

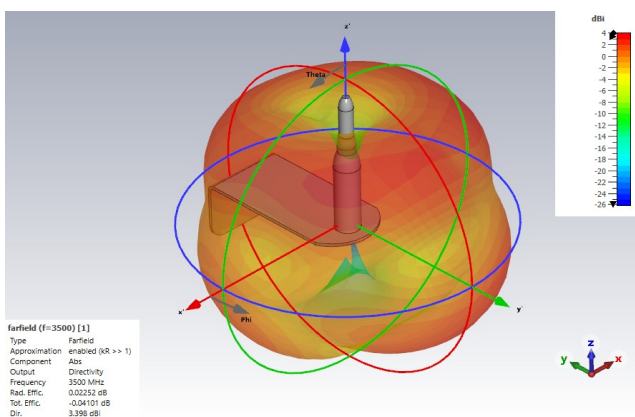


Chinook-LTE (whip only)
Chinook-LTE (bracket + 3m cable)
Chinook-LTE (bracket + 5m cable)

P/N: B21-000
P/N: B23-000
P/N: B23-002

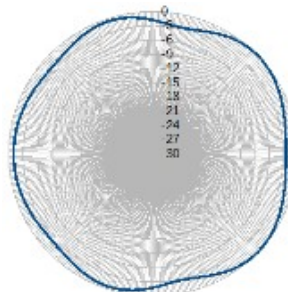
Radiating patterns

3D radiation simulation

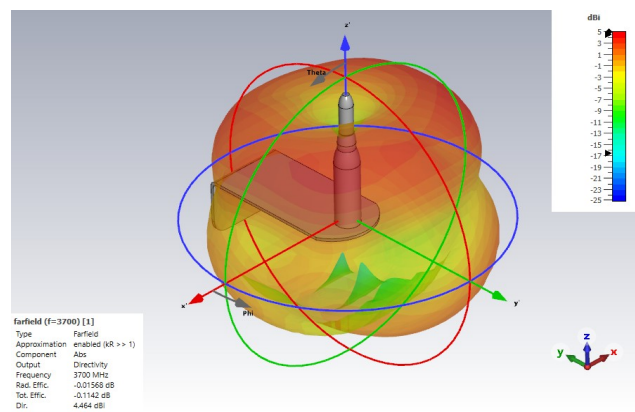
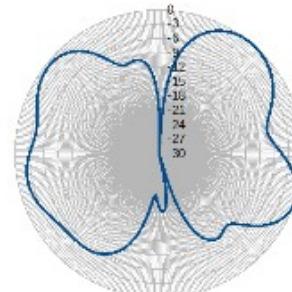


3500 MHz

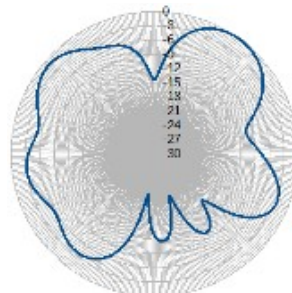
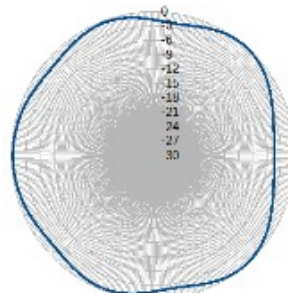
H-plane




E-plane



3700 MHz

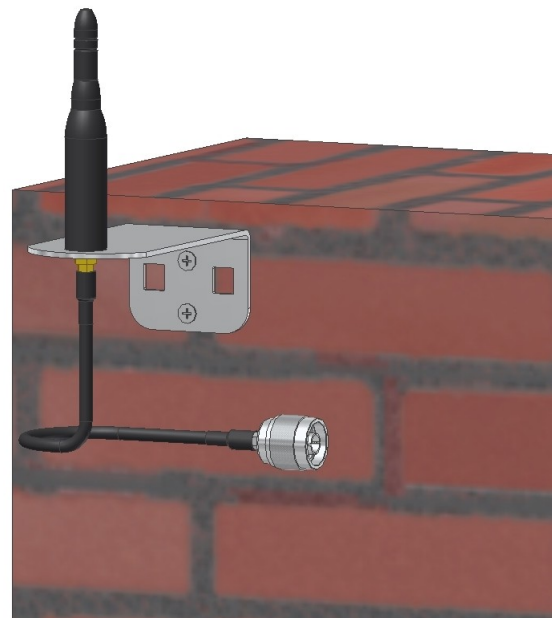


ANT S.r.l. Via della Concordia, 4 – 37036 S. Martino B/A (VR) - Italia Tel. +39 045 8781380 Fax +39 045 8795335 e-mail: commerciale@antsrl.eu www.antsrl.eu	DESCRIPTION	
	Multiband antenna wide range suitable for applications: 868/915MHz (LoRa, LoRaWAN, Sigfox, ISM), GSM- GPRS 900/1800MHz, 3G-UMTS 2100MHz, WiFi 2.4GHz, 4G-LTE / 5G (Bands: 1, 2, 3, 5, 7, 8, 20, 28 77, 78) Omnidirectional antenna with radiating element specific for each frequency range (with mixed geometry $\lambda/4$ - $1/4$ wave $5/8$ wave)	

Chinook-LTE (whip only)	P/N: B21-000
Chinook-LTE (bracket + 3m cable)	P/N: B23-000
Chinook-LTE (bracket + 5m cable)	P/N: B23-002

BRACKET MOUNTING INSTRUCTIONS

ON POLE ON WALL



Stainless steel for poles of $\varnothing 38/200$ mm (1.5/80 Inch.)
available on request

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”.*