

Antenna, Puck Dual

ERF4113

Description

The ERF4113 antenna is an external GSM/UMTS and GPS antenna with a 2 SMA connectors. The antenna can be used for applications such as, GSM, M2M, 2G/3G/4G and more.



Technology

- GSM
- GPRS
- M2M
- 2G/3G/4G/5G
- GPS/ GNSS
- LTE / CAT-M
- LoRa
- NB-IoT
- Zigbee

Features

Mechanical Properties	Description
Antenna Type:	External antenna
Connector Type:	SMA (2x)
Antenna Dimensions:	46,6 mm
Antenna Color:	Black
Cable Length:	1000 mm
Operating Temperature Range:	-40°C~+85°C
Storage Temperature Range:	-40°C~+85°C

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Electrical Properties	Antenna 1 Cellular			Antenna 2 GNSS		
	Frequency marker	Frequency band MHz	Return loss dB	V.S.W.R.	Frequency band MHz	Return loss dB
1	800	-8.1	< 2.3	1.200	-3.2	< 5.5
2	868	-13.7	< 1.5	1.575	-6.9	< 2.6
3	900	-10.4	< 1.9	-	-	-
4	915	-9.0	< 2.1	-	-	-
5	1.800	-6.7	< 2.7	-	-	-
6	1.900	-7.0	< 2.6	-	-	-
7	2.100	-16.3	< 1.4	-	-	-
8	2.400	-6.7	< 2.7	-	-	-
9	2.600	-7.0	< 2.6	-	-	-
10	5.000	-12.3	< 1.6	-	-	-
11	5.800	-16.2	< 1.4	-	-	-
Nominal Impedance	50 Ω					
Polarization	Linear,					
Gain	2 dBi					

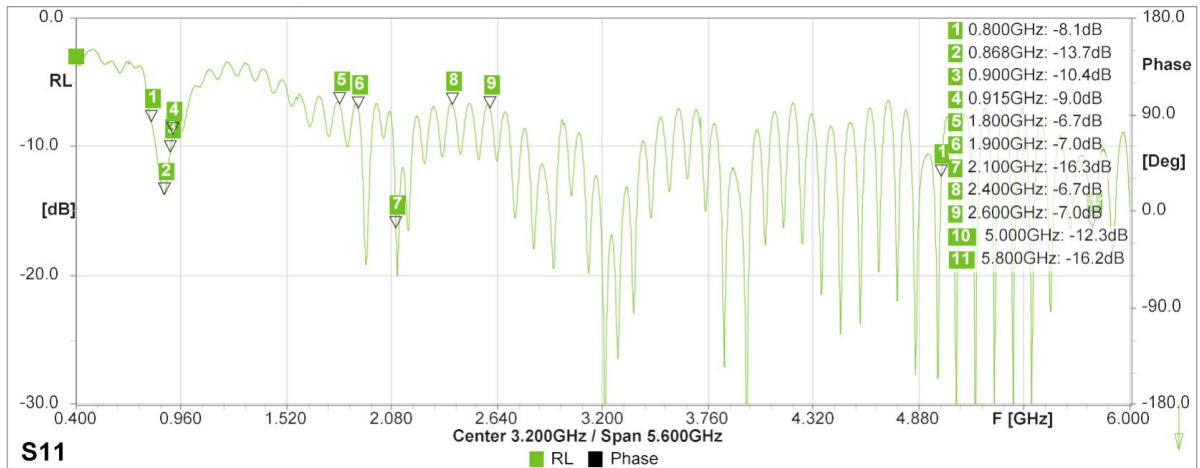
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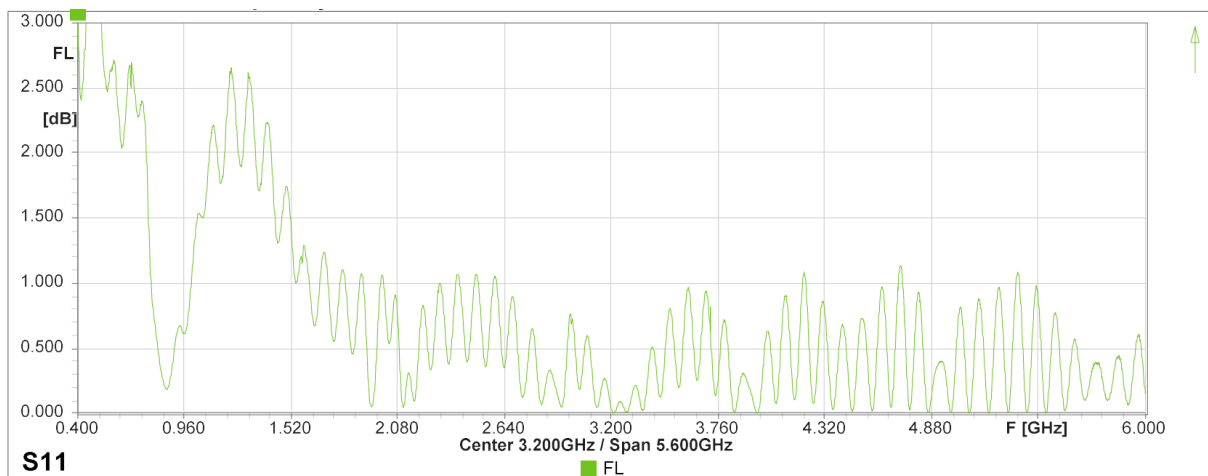
Antenna Properties

Antenna 1 Cellular

Return Loss



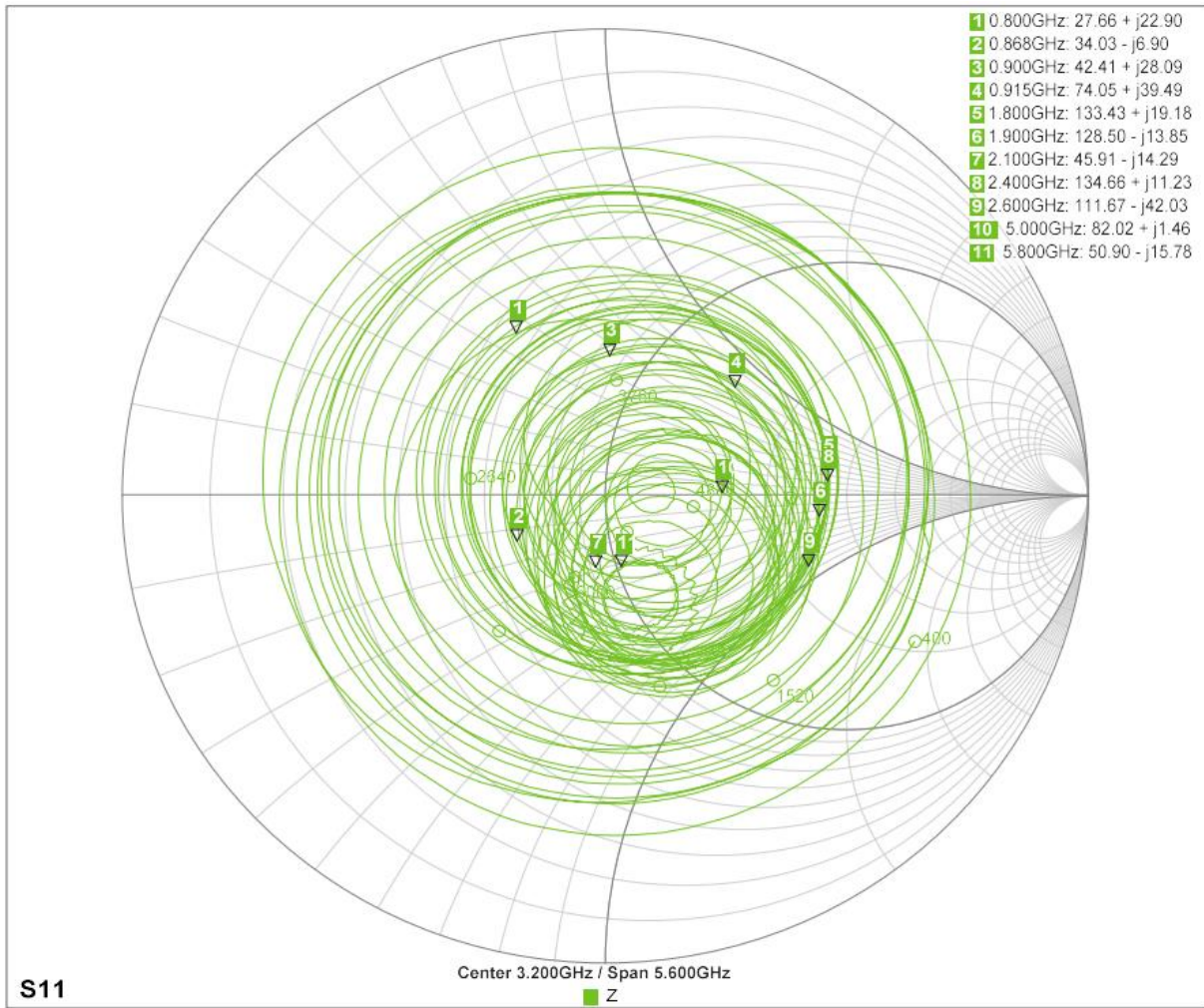
Forward Loss



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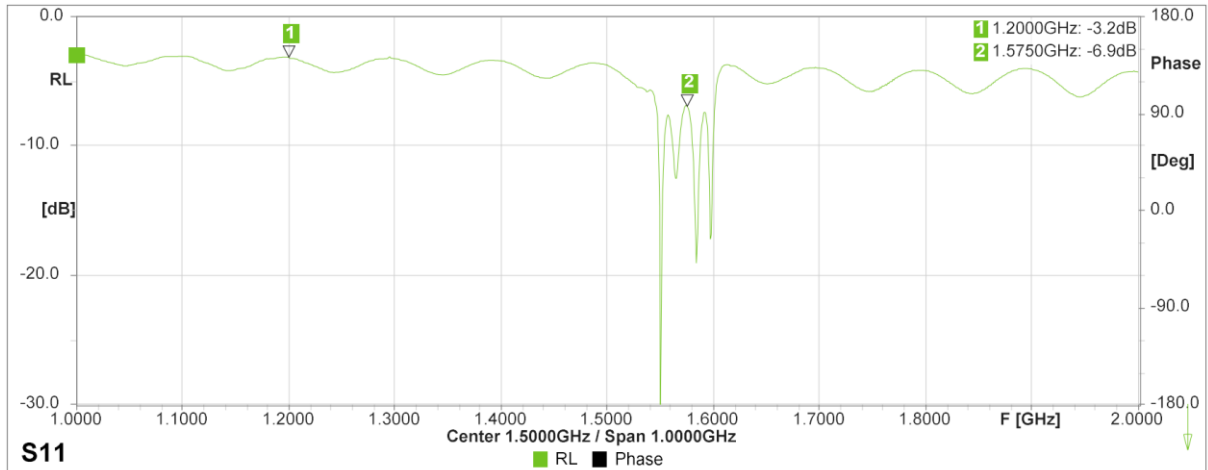
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Impedance

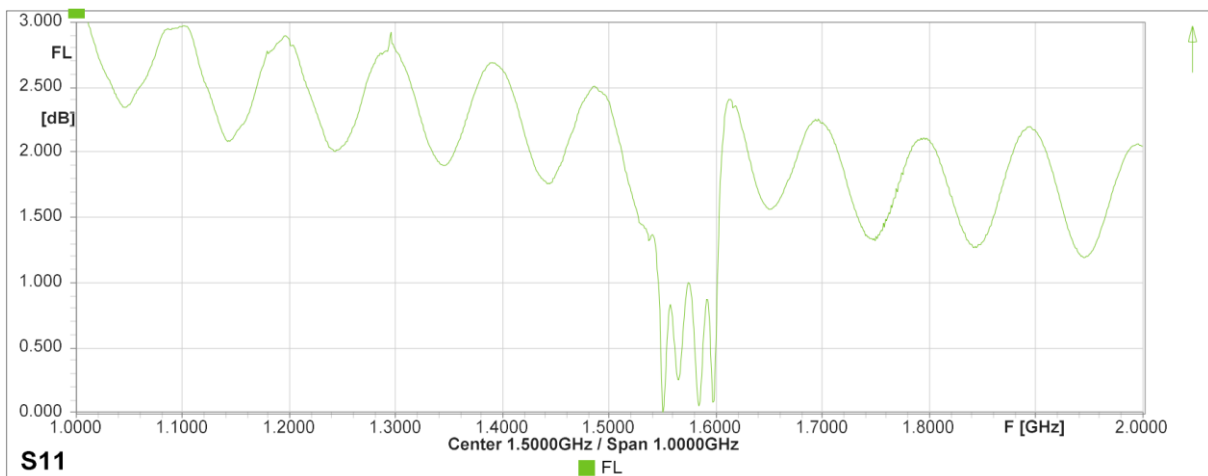


Antenna 2 GPS

Return Loss



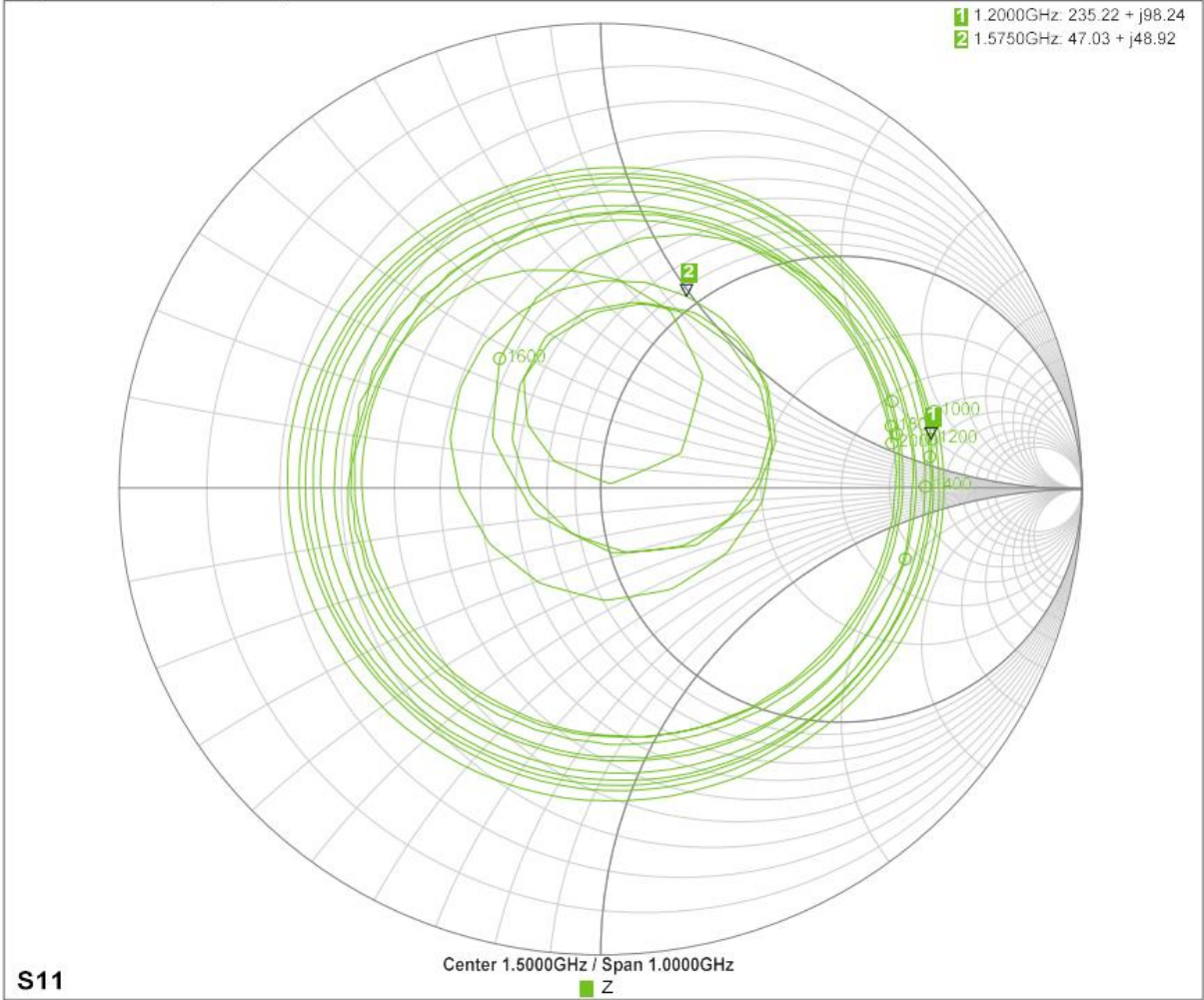
Forward Loss



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Impedance

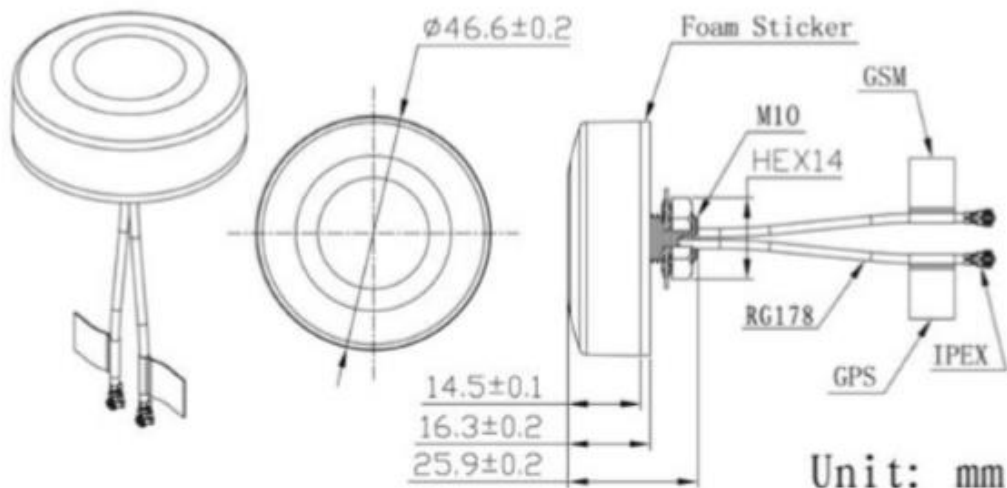


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Dimensions

*image for reference only, the antenna uses 2x SMA Male connectors



Connectors



The ERF4113 antenna uses 2x SMA Male connector.

Ordering information

Ordering can be done via www.summit-electronics.com or via info@summit-electronics.com. Please contact us for more information. Customisation of the product is available on request.

Technical support

For all product questions please contact us via info@summit-electronics.com

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Document revision

Rev	Date	Changes
V01.00	06-04-2023	First issue of document