

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 adhesive mount antenna suitable for applications 868/915MHz (LoRa, LoRaWAN, Sigfox, ISM), GSM-GPRS 900/1800MHz, 3G-UMTS 2100MHz, Wifi 2.4 GHz, 4G-LTE / 5G (Bands 1, 2, 3, 5, 7, 8, 20, 28)	
--	---	---

Shamal-I

P/N: B01-012

ELECTRICAL DATA

Frequency range:	860-960 / 1710-2170 / 2400-2690 MHz
Impedance:	50 Ω
V.S.W.R. at 860-960 MHz:	< 2 : 1 *
V.S.W.R. 1710-2170 MHz:	< 2 : 1 *
V.S.W.R. 2400-2690 MHz:	< 2 : 1 *
Max Power:	10 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain at 860-960 MHz:	2.15 dBi
Gain 1710-2170 MHz:	2.15 dBi
Gain 2400-2690 MHz:	2.15 dBi

* See VSWR pattern

MECHANICAL DATA

Dimensions (about):	132x22x7 mm
Connection:	SMA plug (other on request)
Cable:	RG174 3 m (other on request)
Operating Temperature:	-40° / +80°C
Weight (about):	0.060 kg
Materials:	Thermoplastic elastomer (Overmoulded antenna)
Radiating element's material:	Copper
Adhesive	3M



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: the body of the antenna is made of flexible material.

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

MOUNTING INSTRUCTIONS:

Please mount the antenna on a flat, well cleaned surface.

WARNING:

For a correct installation please mount the antenna so that it is at least 2 cm apart from any metallic wall.

Performances are influenced by the location the antenna is installed in, we advise to check operation first, in order to identify the best performance before installing the antenna.

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

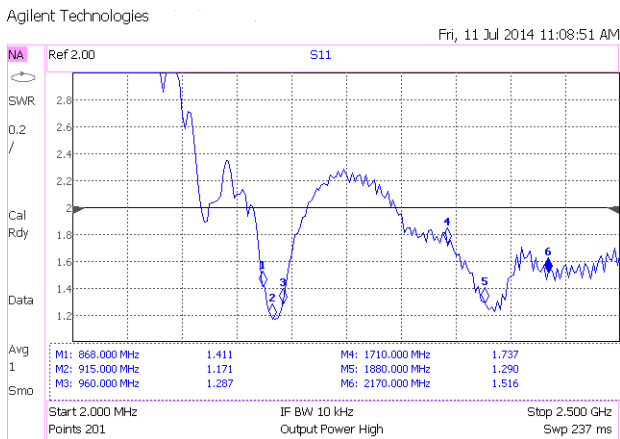
Multiband adhesive mount antenna
suitable for applications
868/915MHz (LoRa, LoRaWAN, Sigfox, ISM),
GSM-GPRS 900/1800MHz, 3G-UMTS 2100MHz,
Wifi 2.4 GHz, 4G-LTE / 5G (Bands 1, 2, 3, 5, 7, 8,
20, 28)



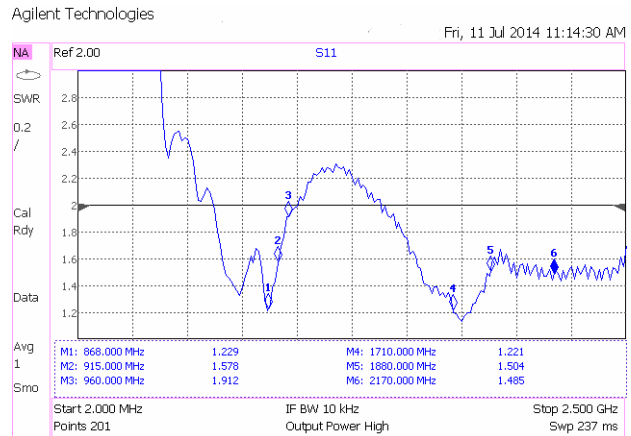
Shamal-I

P/N: B01-012

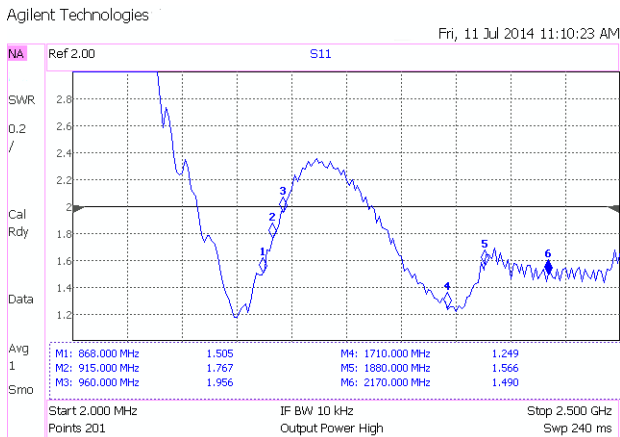
V.S.W.R. (measured in the air)



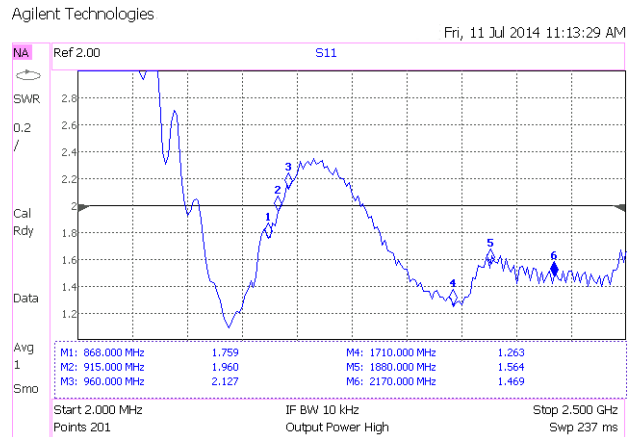
V.S.W.R. (measured on glass wall)



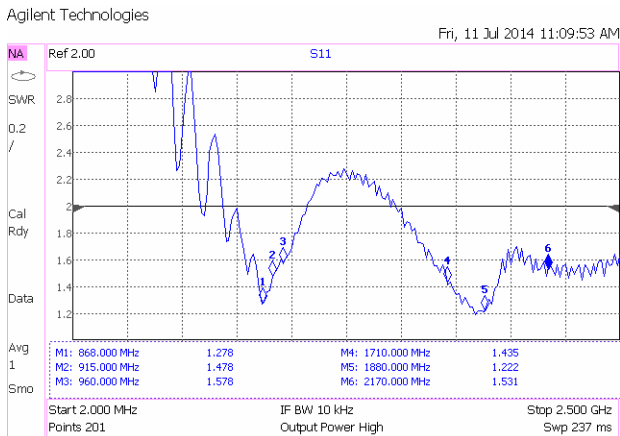
V.S.W.R. (measured on brick wall)



V.S.W.R. (measured on reinforced concrete)



V.S.W.R. (measured on plastic box)



V.S.W.R. (measured 2 cm from metal sheet)

