

MIMO ANTENNA 2xLTE / 2xWLAN / GPS-GNSS-GALILEO

A-RW003

MECHANICAL DATA

Material	
Base	Aluminium alloy EN AW-6082 with Surtec650
Radome	ASA
Colour	RAL7043 (Dark Grey)
Weight (g)	900 about
Dimensions (mm)	100x256x105 (width-length-height)
Operating Temperature (°C)	-45° / +85°
Storage Temperature (°C)	-45° / +85°
IP class	IP68
Mounting	Roof-top



TECHNICAL DATA 2xLTE

Frequency range:	AMPS/GSM 850 : 824-894 MHz GSM 900 : 880-960 MHz GSM 1800 : 1710-1800 MHz GSM 1900 : 1850-1990 MHz UMTS : 1920-2170 MHz LTE 700 : 746-793 MHz LTE 2700 : 2500-2690 MHz
Impedance (Ohm)	50
V.S.W.R	Less than 3
Polarization	Vertical
Emission	Omnidirectional
Gain (dBi)	5 - 890 MHz 5 - 1710 MHz 2 - 2690 MHz
Cable	RG174 mm.500
Connector	SMA M.

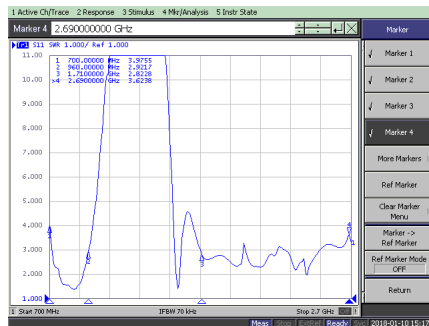
TECHNICAL DATA 2xWLAN

Frequency range:	2400-2485 MHz 5250-5850 MHz
Impedance (Ohm)	50
V.S.W.R.	Less than
Gain (dBi)	8.5 - 2400 MHz 9 - 5000 MHz
Polarization	Vertical
Emission	Omnidirectional
Cable	RG316 mm.500
Connector	SMA M.

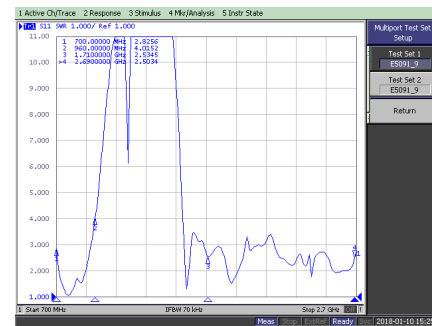
TECHNICAL DATA GPS/GNSS/GALILEO

Antenna type	Active Planar Patch Antenna
Center frequency	1580 MHz
Bandwidth	± 28MHz
V.S.W.R	Less than 2.0
Impedance (Ohms)	50
Polarization	RHCP
Supply voltage	2.7 ÷ 5.1 V
Current absorption	10 ± 1 mA at 2.7 V. 16 ± 1 mA at 5.0 V.
Gain amplifier	18 ± 1 dB at 2.7 V. 22 ± 1 dB at 5.0 V.
Gain patch antenna	2 dB
Noise figure	1.7 ÷ 2.1 dB
Temperature (°C)	-30° - + 80°
Cable	RG174 mm.500
Connector	SMA M.

LTE 1

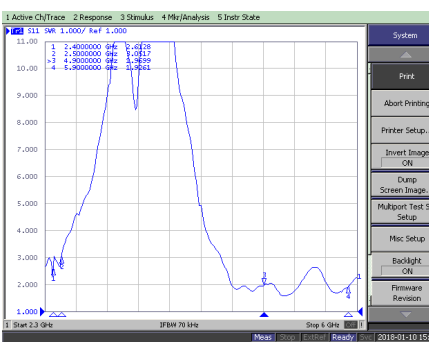


LTE 2

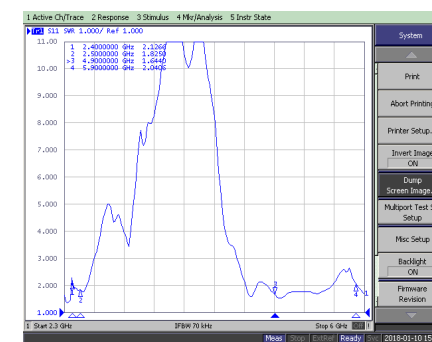


V.S.W.R. MEASURED WITH 200mm RG174

WLAN 1



WLAN 2



V.S.W.R. MEASURED WITH 200mm RG316

