

MIMO ANTENNA 2xLTE / 2xWLAN / VHF o UHF / GPS-GNSS-GALILEO

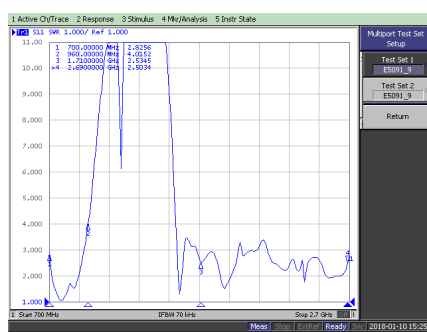
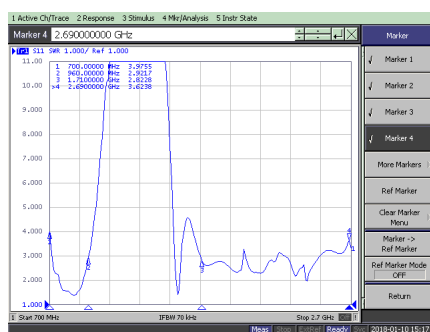
SPECIFICATIONS

Material	
Base:	Alluminium alloy EN AW-6082
Radome:	PA6 Black 30% glass fiber
Colour:	Black
Dimension: (mm)	140 x 62 x h.52
Temperature: (°C)	-40° / +80°
Mounting hole	
Squared	15x15
Round	Ø19



LTE 1

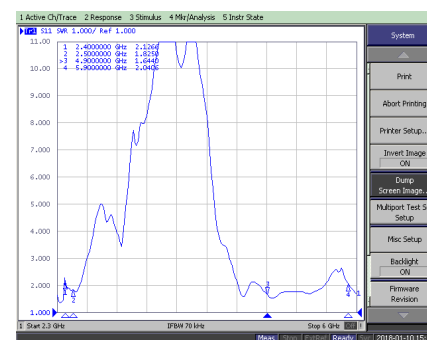
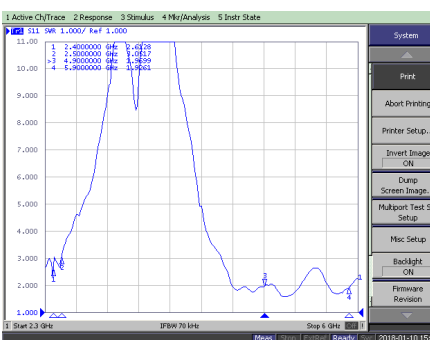
LTE 2



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

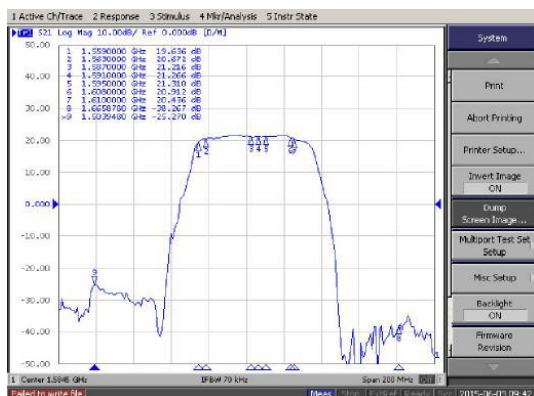
WLAN

WLAN



M

mm 316



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 : 698-793 MHz LTE 2700 : 2500-2690 MHz
Impedance (Ohm)	50
Polarization	Vertical
Emission	Omnidirectional
Gain (dBi)	2 - 890 MHz 5 - 1710 MHz 5 - 2690 MHz

Cable	Length and type as request
Connector	As request

TECHNICAL DATA 2xWLAN

Frequency range:	2400-2485 MHz 5250-5850 MHz
Impedance (Ohm)	50
Gain (dBi)	4 - 2400 MHz 6 - 5800 MHz
Polarization	Vertical
Emission	Omnidirectional
Cable	Length and type as request
Connector	As request

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	Length and type as request
Connector	As request

2 80 V - 5/8 UHF rod



TECHNICAL DATA VHF

Antenna type:	1/4 l Mobile Antenna
Frequency range:	130 - 230 MHz
Impedance (Ohms):	50
Max power (W):	20
V.S.W.R.:	less than 2.0
Polarization:	Vertical
Emission:	Omnidirectional
Gain (dBi):	2.14
Rod lenght:	Depending cutting curve
Rod elevation:	74°
Cable:	Lenght and type as request
Connector:	As request

TECHNICAL DATA UHF

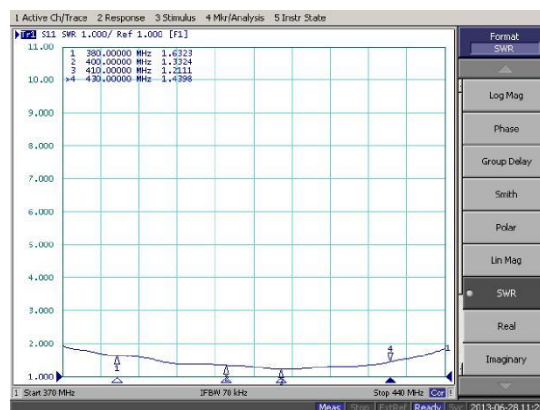
Antenna type:	5/8 l Mobile Antenna
Frequency range:	380 - 480 MHz
Impedance (Ohms):	50
Max power (W):	20
V.S.W.R.:	less than 2.0
Polarization:	Vertical
Emission:	Omnidirectional
Gain (dBi):	2.14
Rod lenght:	Depending cutting curve
Rod elevation:	74°
Cable:	Lenght and type as request
Connector:	As request

2 46 UHF r d



TECHNICAL DATA 380-430 MHz

Antenna type:	1/4 l Mobile Antenna
Frequency range:	380 - 430 MHz
Impedance (Ohms):	50
Max power (W):	20
V.S.W.R.:	less than 2.0
Polarization:	Vertical
Emission:	Omnidirectional
Gain (dBi):	2.14
Rod lenght:	175 ± 3
Rod elevation:	74°
Cable:	Lenght and type as request
Connector:	As request

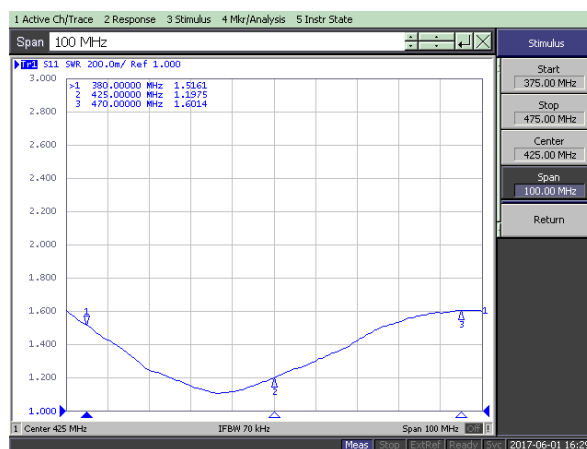


2 76 UHF rod



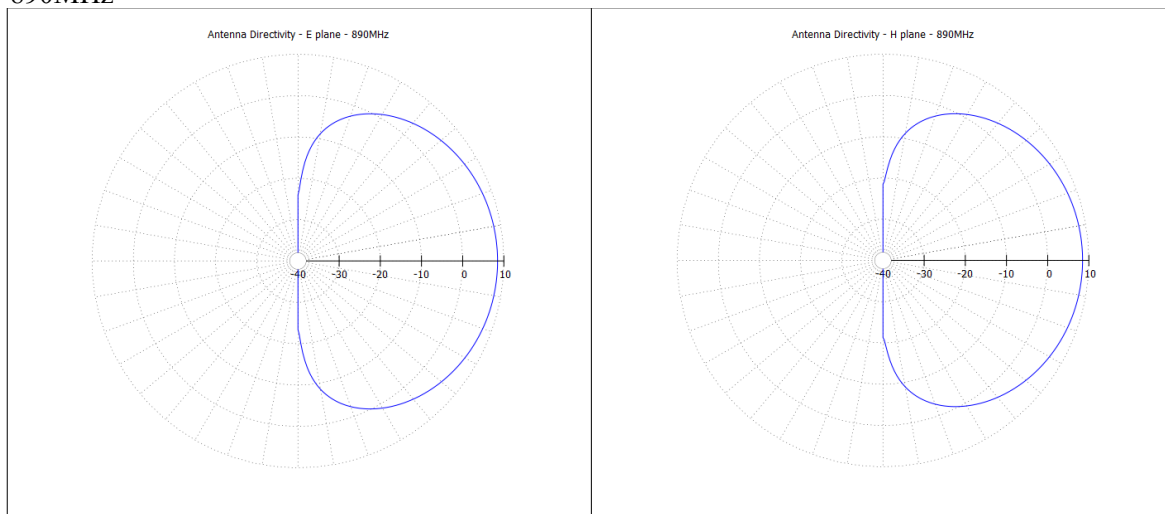
TECHNICAL DATA 380-470 MHz

Antenna type:	1/4 l Mobile Antenna
Frequency range:	380 - 470 MHz
Impedance (Ohms):	50
Max power (W):	20
V.S.W.R.:	less than 2.0
Polarization:	Vertical
Emission:	Omnidirectional
Gain (dBi):	2.14
Rod lenght:	131 ± 3
Rod elevation:	74°
Cable:	Lenght and type as request
Connector:	As request

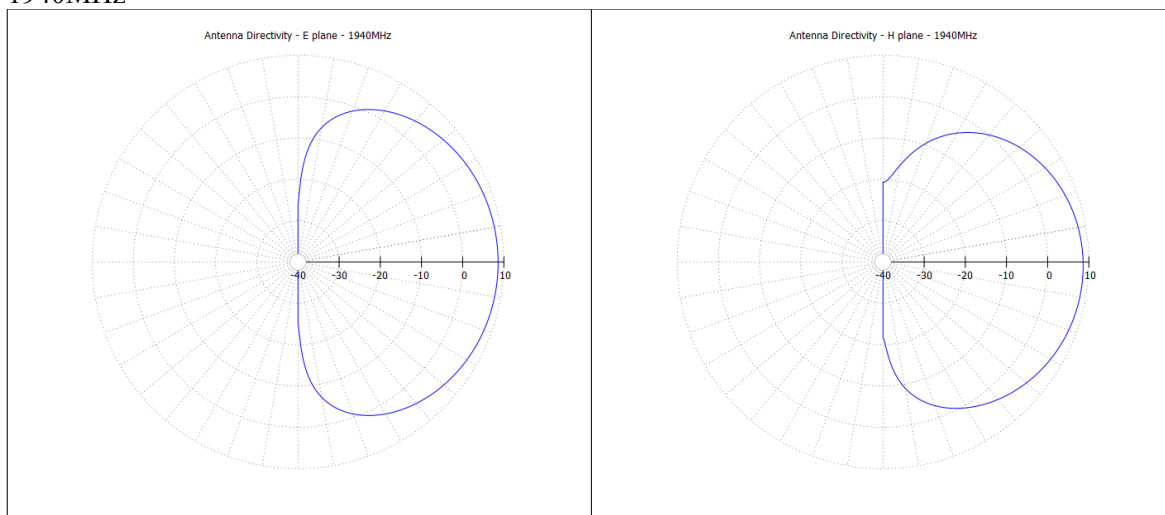


LTE

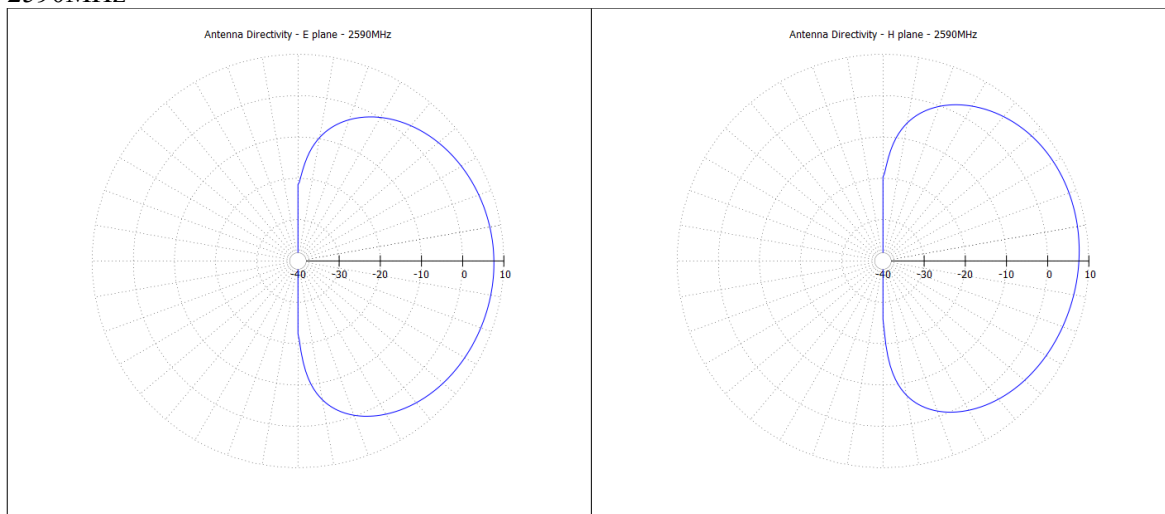
890MHz



1940MHz

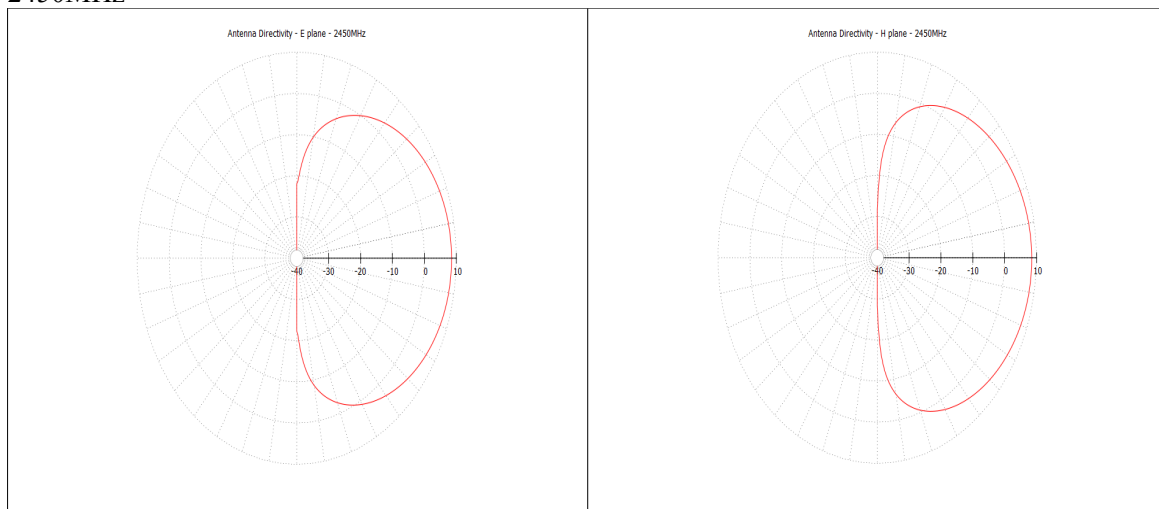


2590MHz

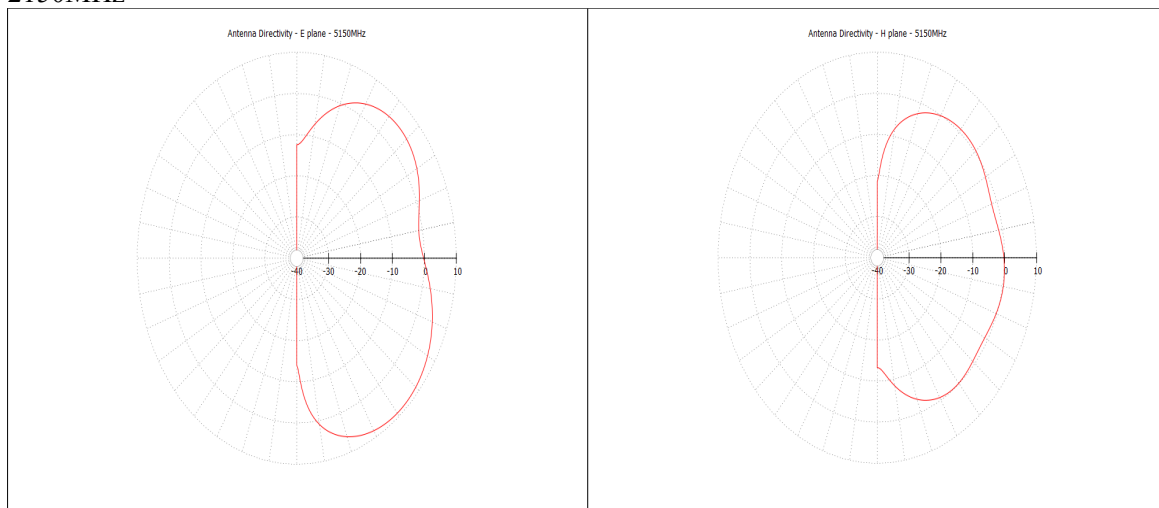


WLAN

2450MHz



2150MHz



2850MHz

