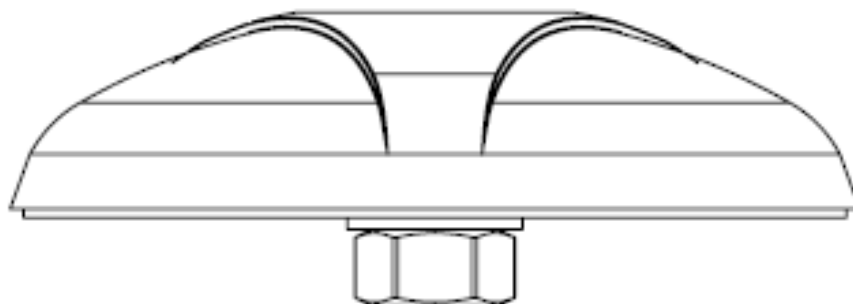


WLAN/3G/GPS ANTENNA SPECIFICATION

Part Number: V-ANT6

Description: Screw-Mount GPS/GSM/Wi-Fi Combination Antenna

Key Features: GPS 1575MHz GSM Quad-Band 850/900/1800/1900MHz Wi-Fi 2.4~2.5GHz
Custom cables and connectors available RoHS ✓



Specification Details

GPS Ceramic Patch Antenna 25*25*6mm

Ground Size (Ø=130mm)

Parameter	Specification
Frequency	1575.42MHz ± 2MHz
Bandwidth	10MHz
VSWR	1.92 Max
Axial Ratio @Zenith	3dB Typical
Gain @Zenith	5dbi Typical
Impedance	50 W
Polarization	RHCP

Low Noise Amplifier

Parameter	Specification
Frequency	1575.42MHz
Bandwidth	10MHz
Noise Figure	1.5dB Typical
VSWR	1.92 Max
Gain	30dB Typical
Impedance	50 W
Power Consumption	7mA @3.3V
Operating Temperature	-30°~+80°C
Storage Temperature	-40°~+90°C

GSM Antenna

Parameter	Specification
Frequency	GSM 800/900/1800/1900
Impedance	50 W
VSWR	2.6 Max

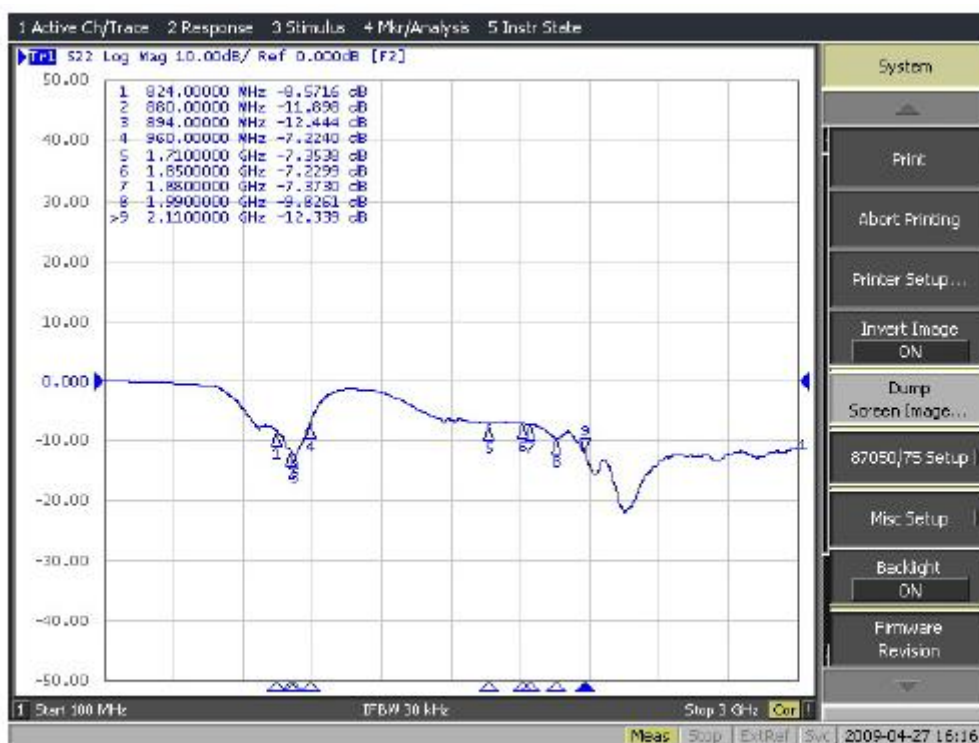
Wi-Fi Antenna

Parameter	Specification
Frequency	2.4~2.5GHz
Impedance	50 Ω
VSWR	1.92 Max

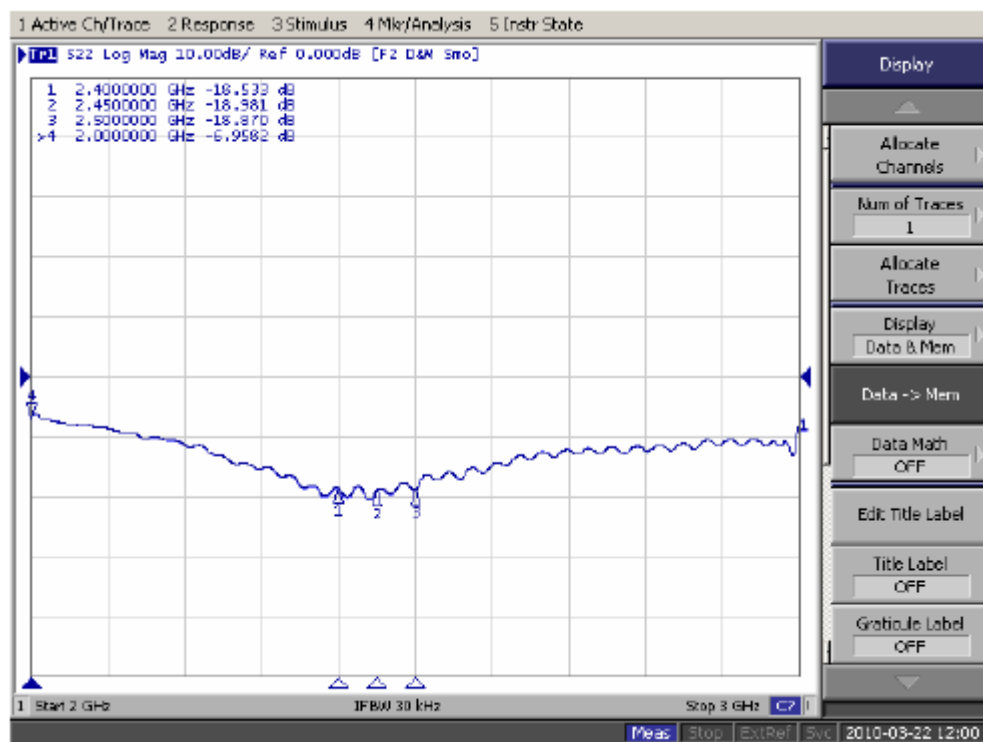
Cable and Connectors

Parameter	Specification
Dimensions	Diameter 145.6mm Height (profile) 35.1mm – does not include Nut
Colour	Black
Connectors	GPS: SMA(M) GSM: SMA(M) Connector Wi-Fi: RP-SMA(M) Fully Customisable
Cable	RG-174 Length = 3M Cable Fully Customisable
Cable Colour	White

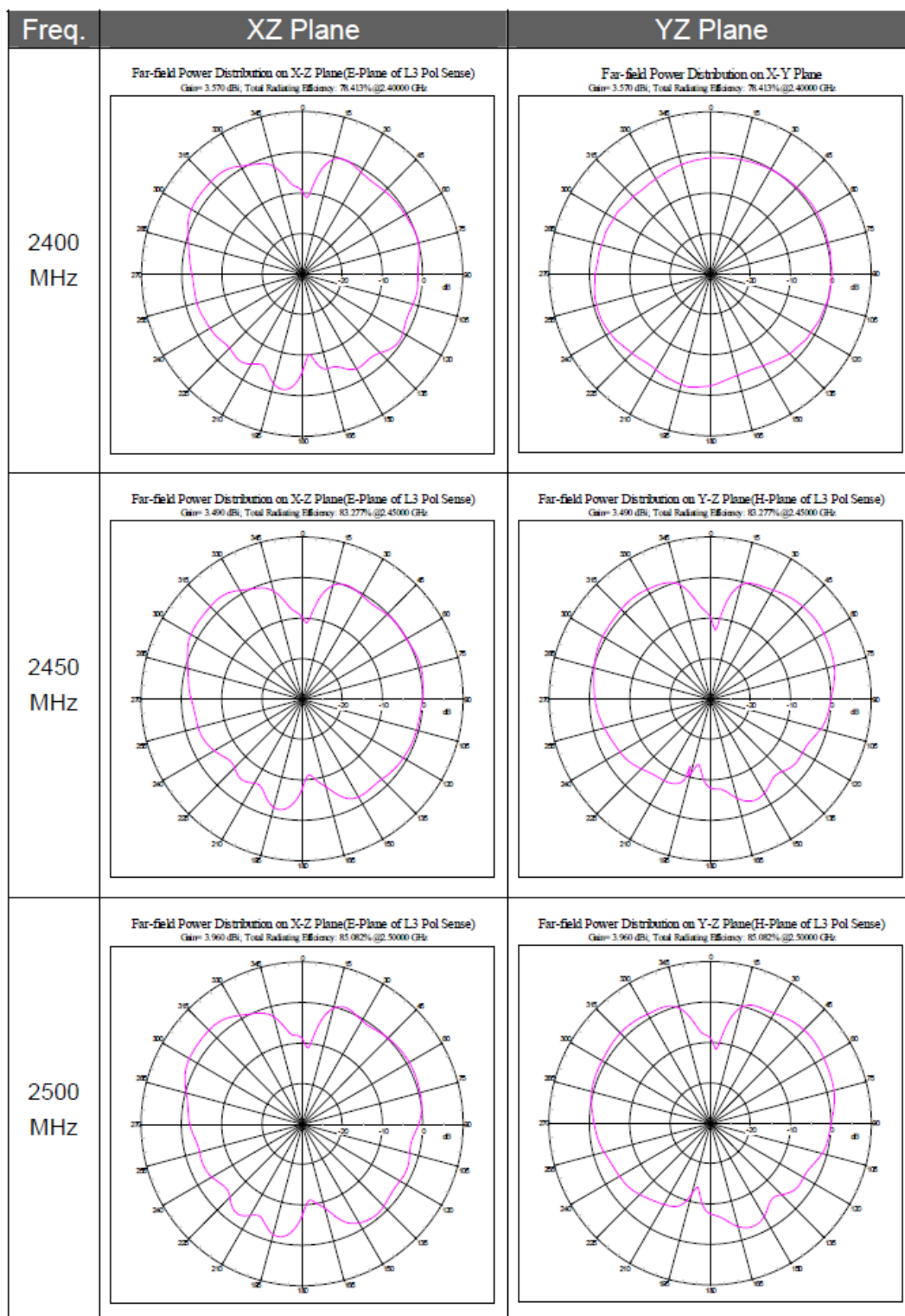
GSM Antenna Return Loss



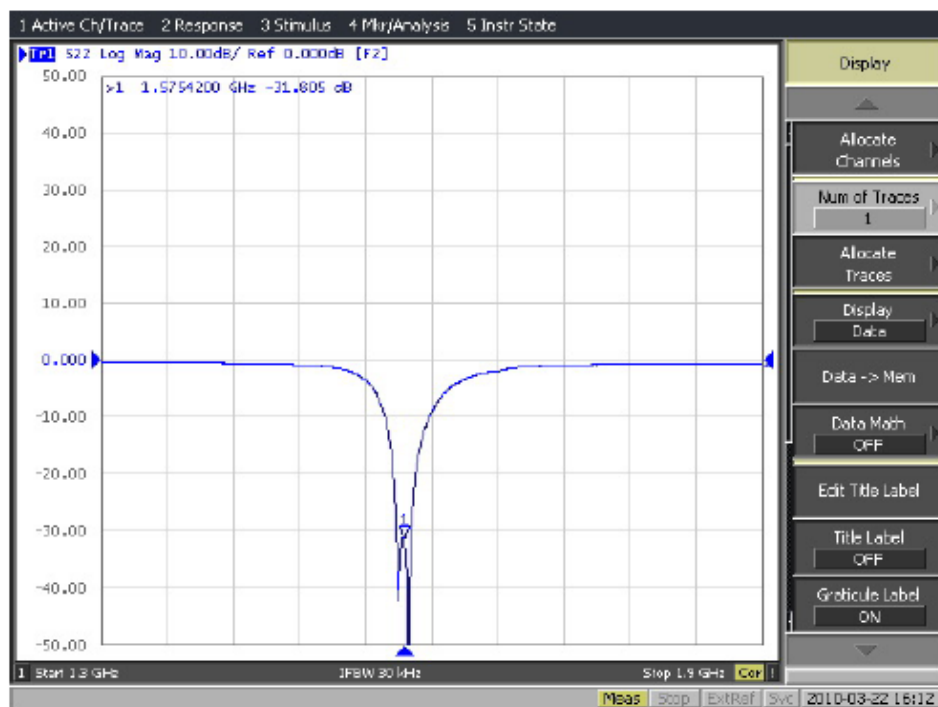
Wi-Fi Antenna Return loss



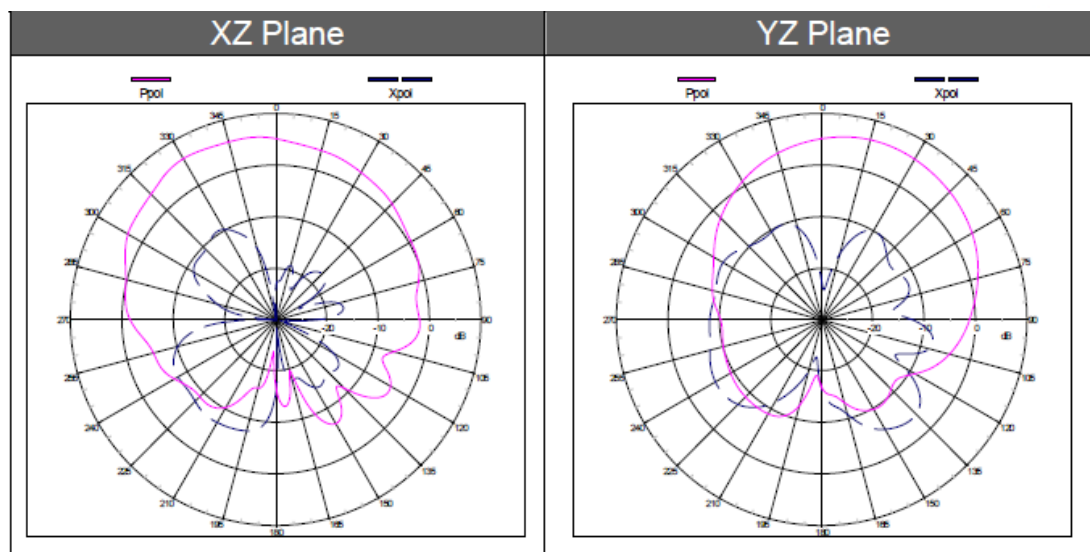
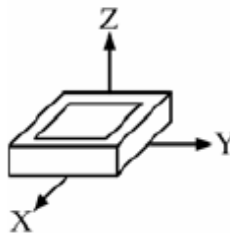
Radiation Patterns Wi-Fi Antenna



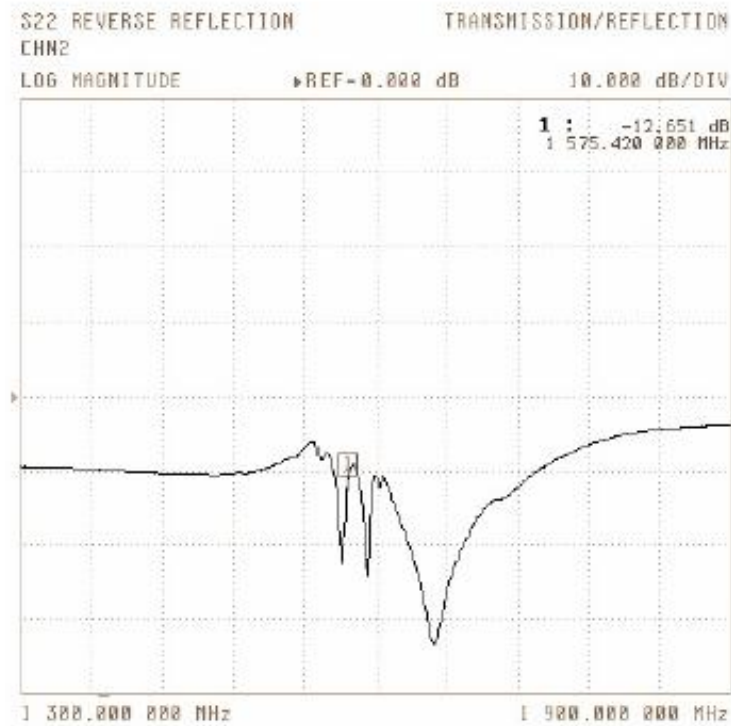
GPS Ceramic Patch Antenna



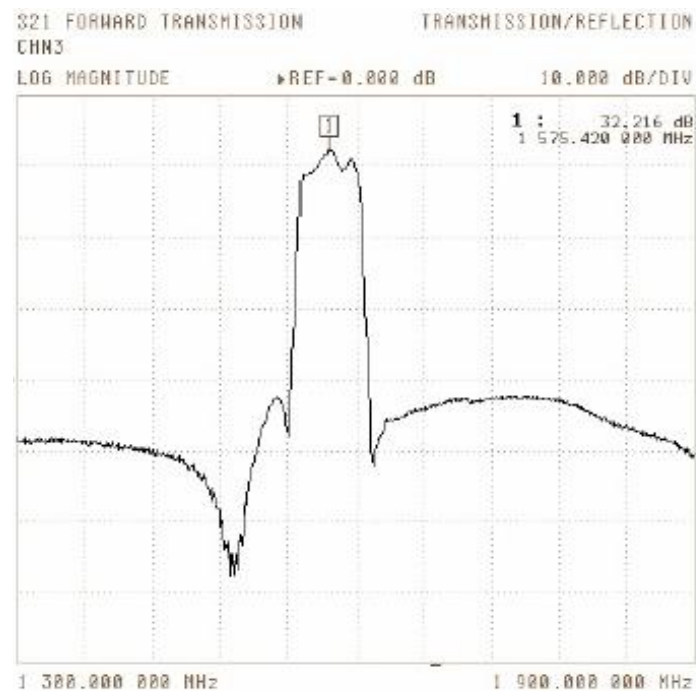
Radiation Pattern of GPS Ceramic Patch



LNA – S22



LNA-S21



Technical Drawing

