



Vidiwave – WLAN/3G/GPS ANTENNA

Screw-Mount GPS/GSM/Wi-Fi Combination Antenna | VANT6

Key Features

- GPS 1575MHz GSM Quad-Band
850/900/1800/1900MHz WLAN 2.4 - 4.9-
5.9GHz
- Custom cables and connectors available
RoHS ✓

GPS Ceramic Patch Antenna 25*25*6mm

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	Right Hand Circular



Housing / Cable and Connectors

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

WLAN Antenna

Parameter	Specification
Frequency	2.4 & 4.9~5.9GHz
Impedance	50 Ω
VSWR	1.92 Max

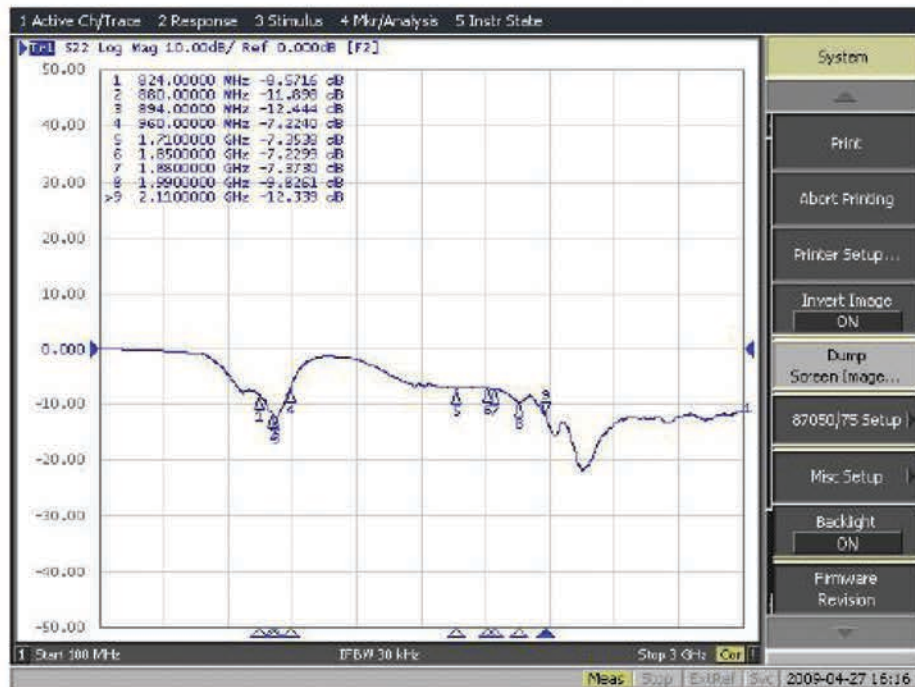
Parameter	Specification
Dimensions	Diameter 145.6mm
Antenna Height	(profile) 35.1mm
Mounting Thread Diameter	39.5mm
Mounting Stud Length	31mm
Nylon Nut Size	53.5mm
Hole Size Required	42mm
Casing	Black UV resistant PVC IP67 Waterproof
Connectors	GPS: MCX(M) GSM: SMA(M) Connector
	WLAN: RP-SMA RP (M)
Cable	RG-174 Length = 3M Fully Customisable
Cable Colour	Black



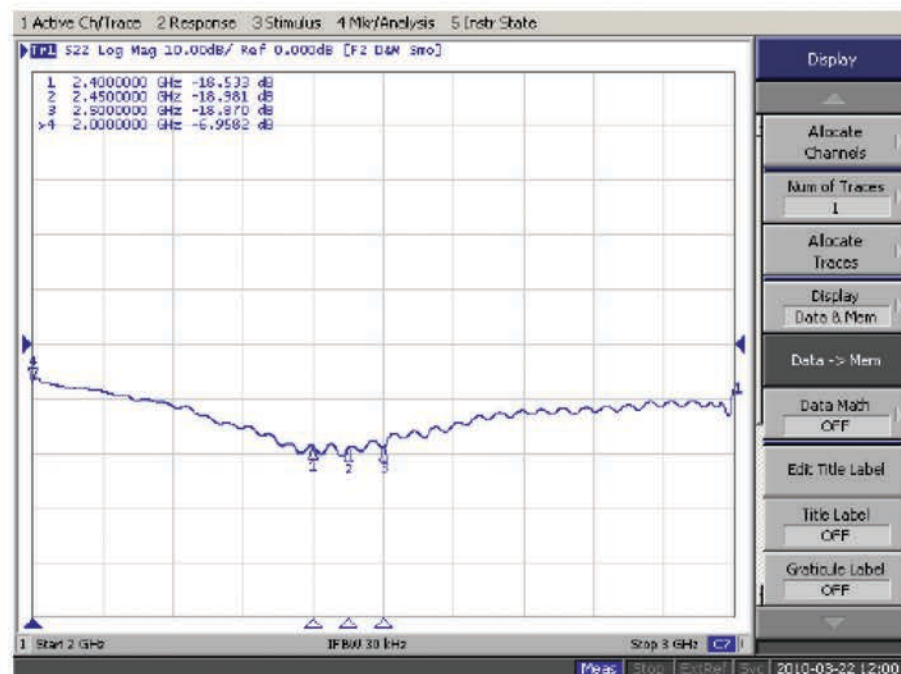
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GSM Antenna Return Loss



Wi-Fi Antenna Return Loss

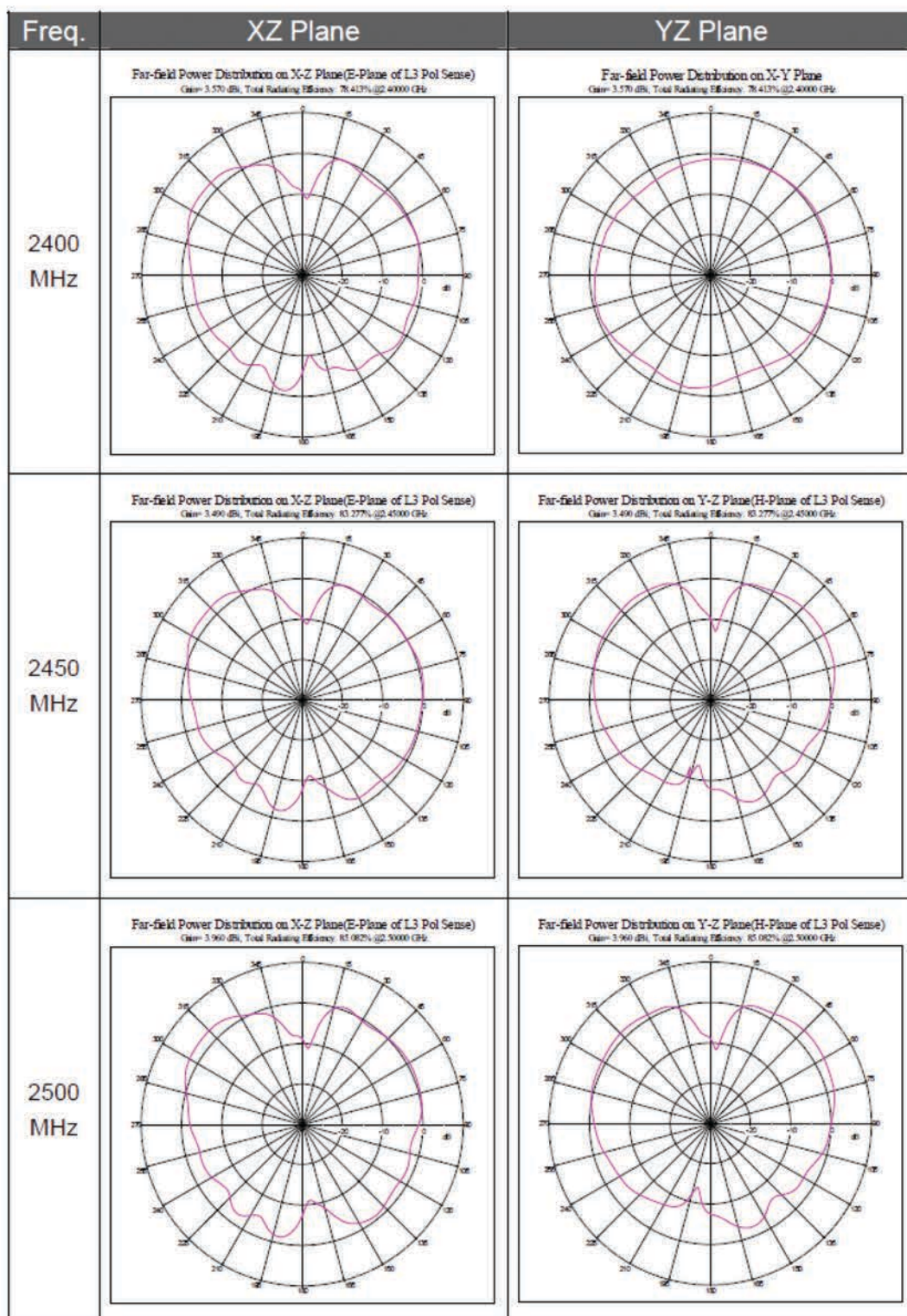




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Radiation Patterns Wi-Fi Antenna

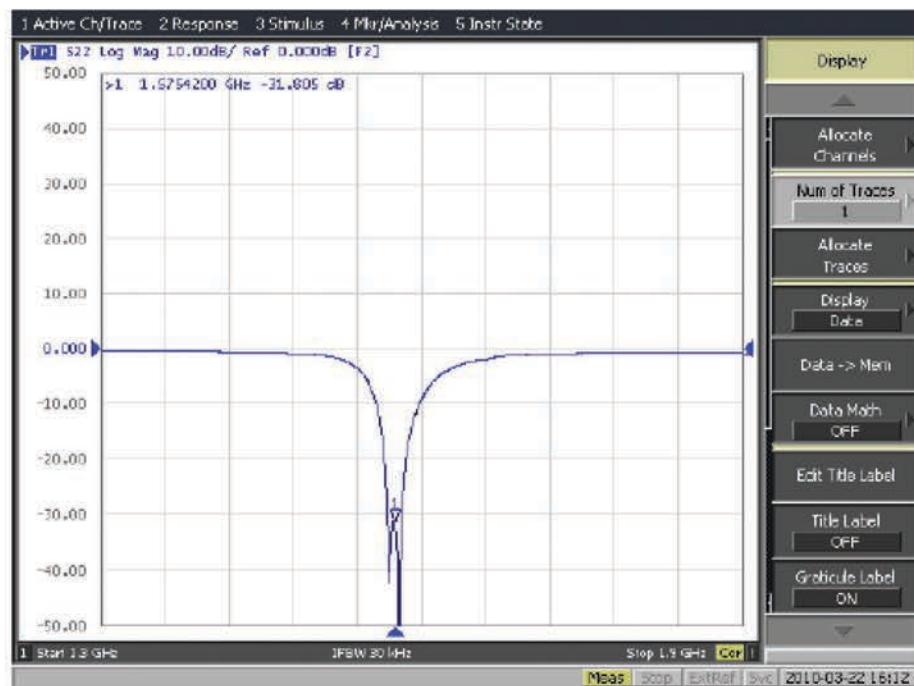




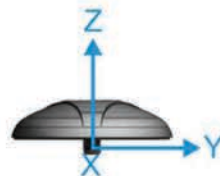
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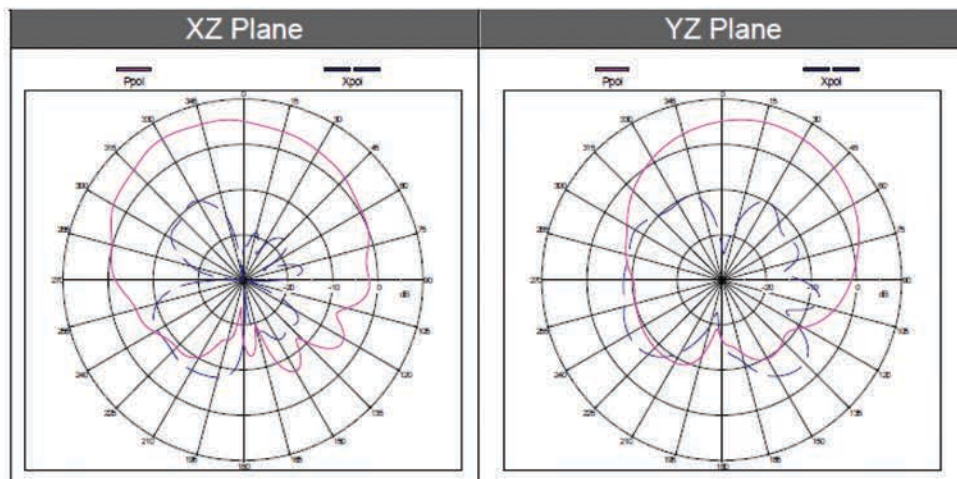
GPS Ceramic Patch Antenna



Radiation Pattern of GPS Ceramic Patch



XYZ co-ordinate for reference.





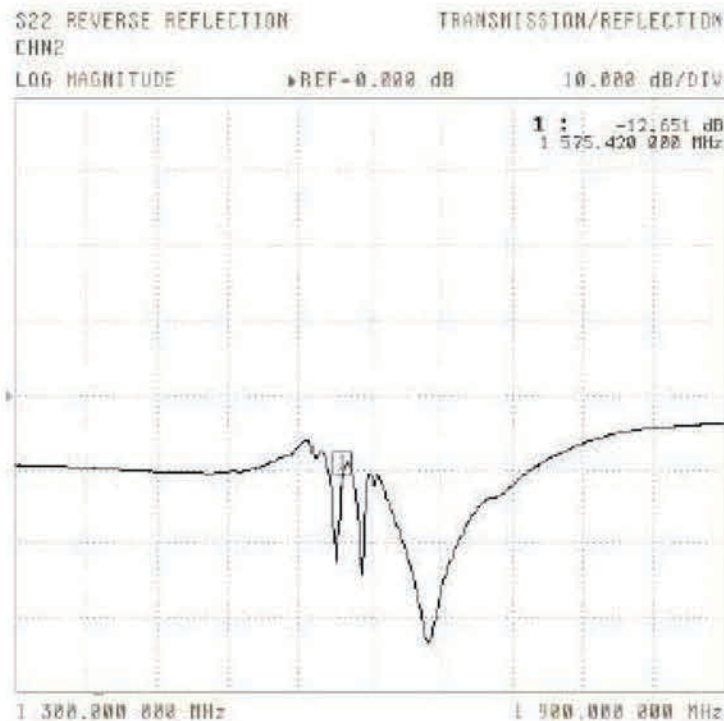
IDIWAVE
Wireless Mobile Video Solutions

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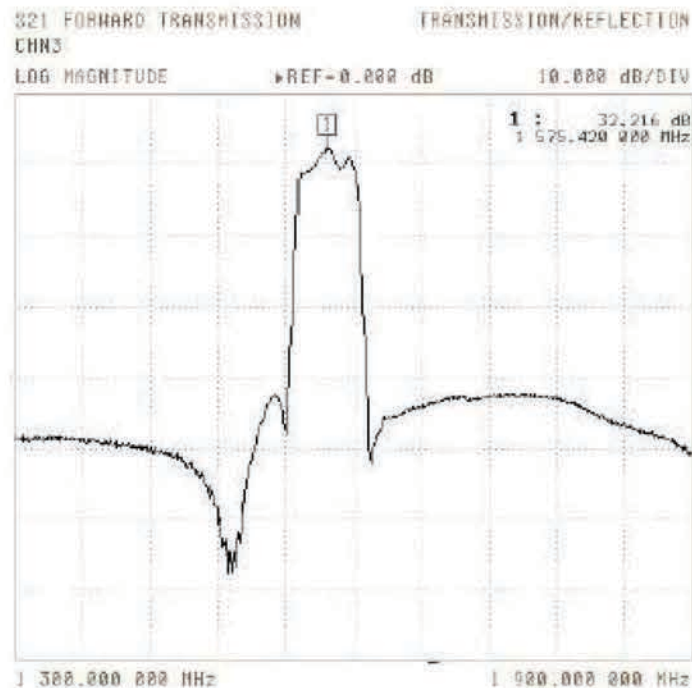
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LNA-S22



LNA-S21





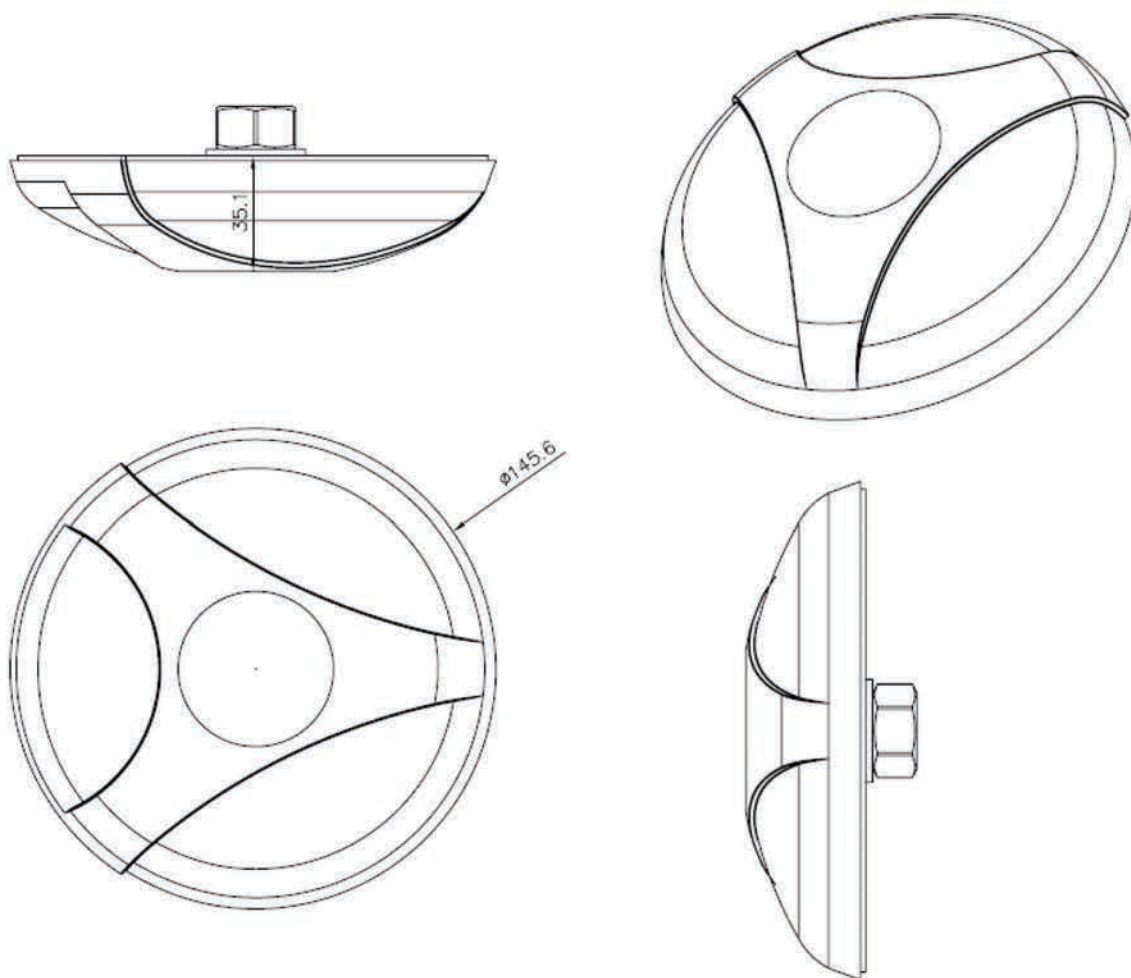
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Technical Drawing





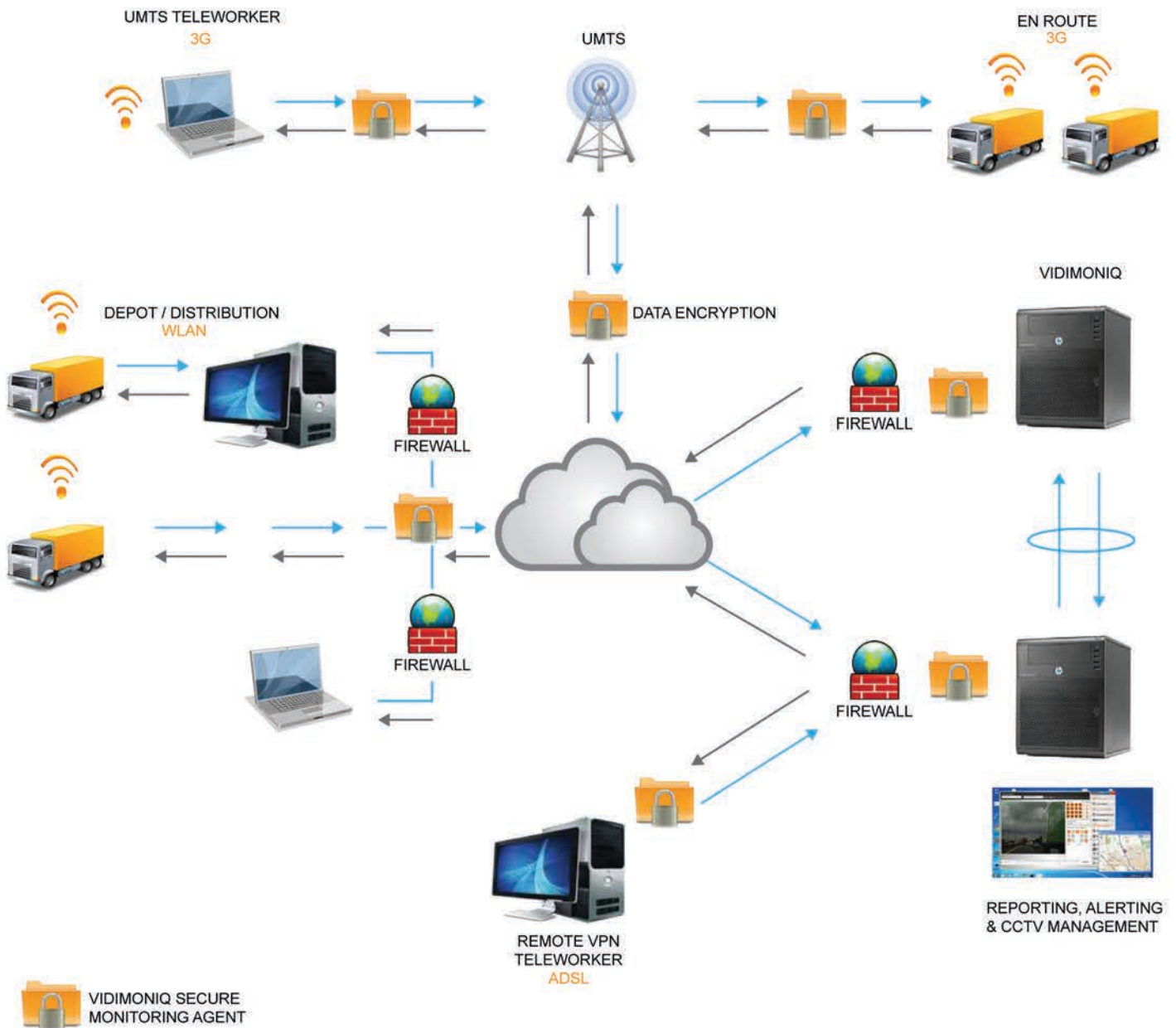
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Solution Connectivity Overview



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