



2JW0124

(DATASHEET)

Type	Multiband antenna
Frequencies	4G/LTE (699-960/1710-2690 MHz) AMPS (824-894 MHz) GSM (900 MHz) GPS (1575.42 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz) WIFI / BLUETOOTH (2.4 GHz)
Mounting	Telematic Mount
Revision	01



D. Noble

1. SPECIFICATION

1.1. Electrical Specifications

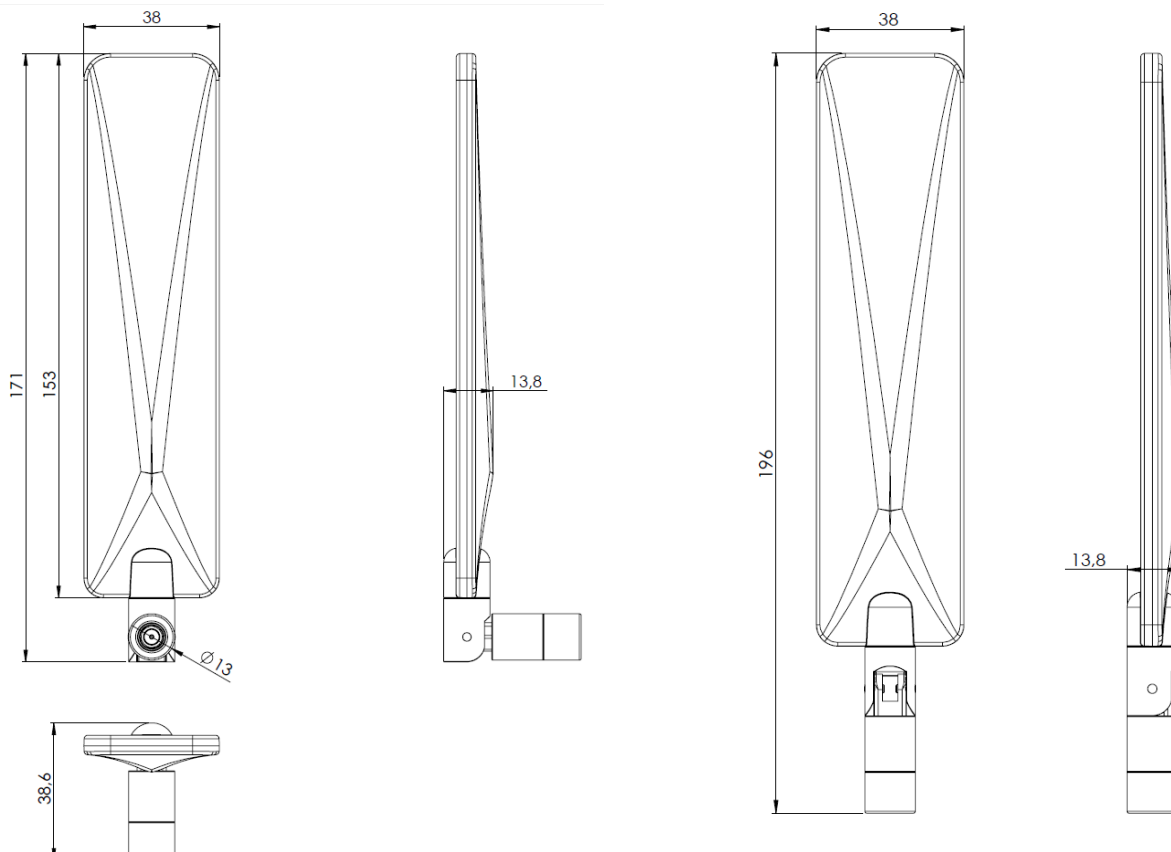
Frequencies	4G/LTE (699-960/1710-2690 MHz) AMPS (824-894 MHz) GSM (900 MHz) GPS (1575.42 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz) WIFI / BLUETOOTH (2.4 GHz)
Impedance	50 Ohms
Polarization	Linear
Gain	3dBi Ave.
VSWR	<3:1 ; <5:1 at 2500-2690MHz
Operating temperature	-40°C to +85°C

1.2. Connection Specifications

Connector: SMA male

1.3. Mechanical Specifications and Dimensions

Material: ABS
 Max. dimensions: 38mm x 196mm x 13,8mm (W x H x T)
 Weight: 40g
 Colour: Black (for different colours please ask our sales team)

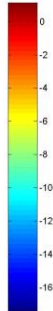
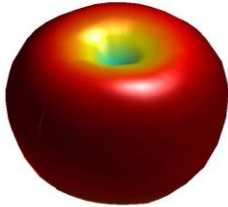


2. MEASUREMENT

2.1. 3D Spherical

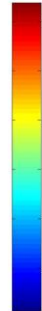
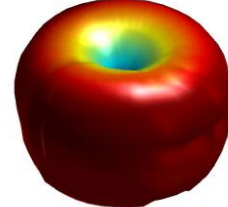
699MHz

Freq = 0.6990GHz Az= 45 EL= 45



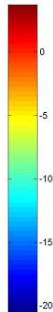
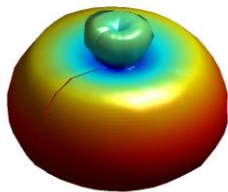
750MHz

Freq = 0.754GHz Az= 45 EL= 45



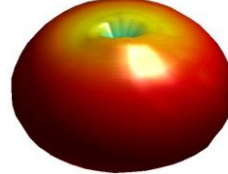
900MHz

Freq = 0.908GHz Az= 45 EL= 45



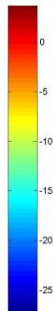
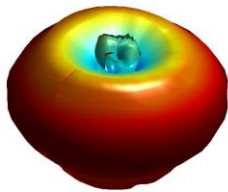
1800MHz

Freq = 1.799GHz Az= 45 EL= 45



1900MHz

Freq = 1.909GHz Az= 45 EL= 45



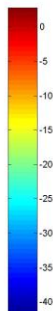
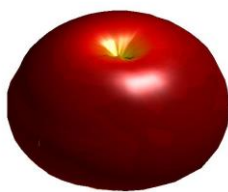
2100MHz

Freq = 2.107GHz Az= 45 EL= 45



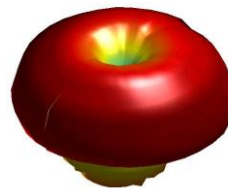
2400MHz

Freq = 2.404GHz Az= 45 EL= 45



2600MHz

Freq = 2.602GHz Az= 45 EL= 45



2.2. S11 at more swivel positions

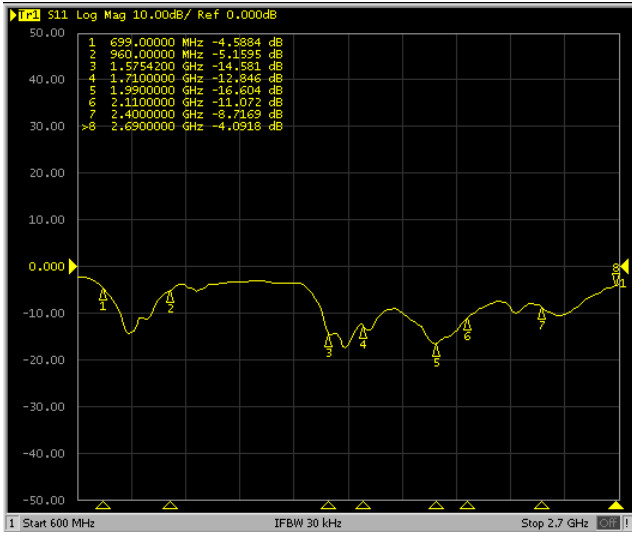


Figure 1 - Log Mag at 0deg

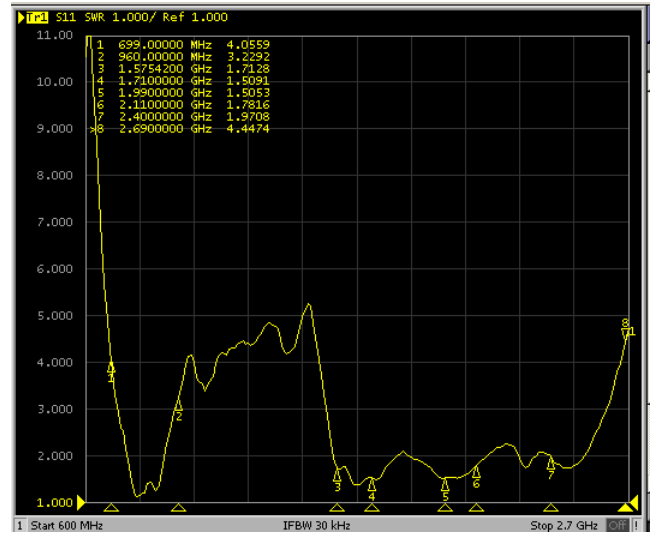


Figure 2 - VSWR at 0deg

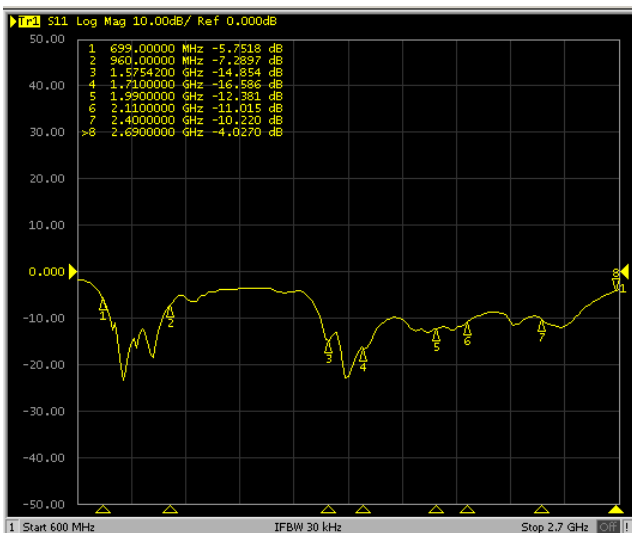


Figure 3 - Log Mag at 45deg

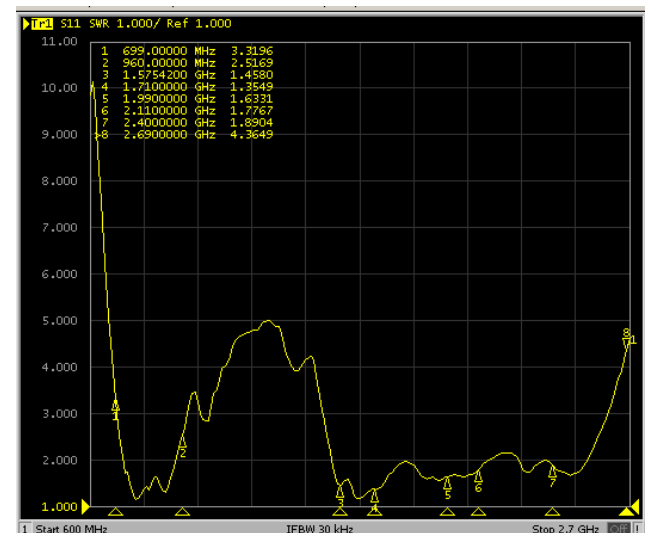


Figure 4 - VSWR at 45deg

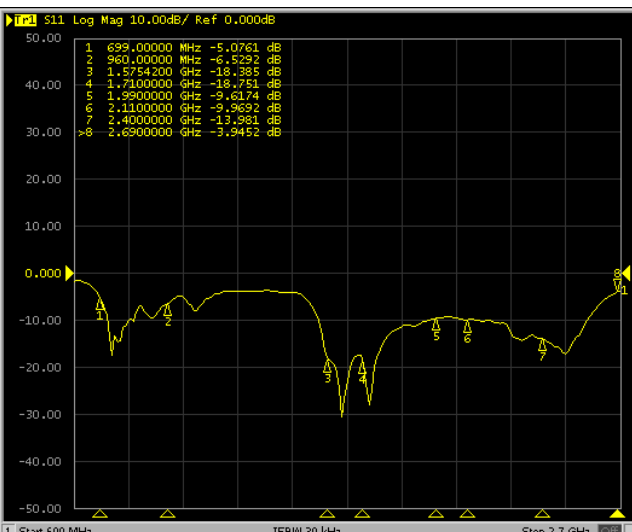


Figure 5 - Log Mag at 90deg

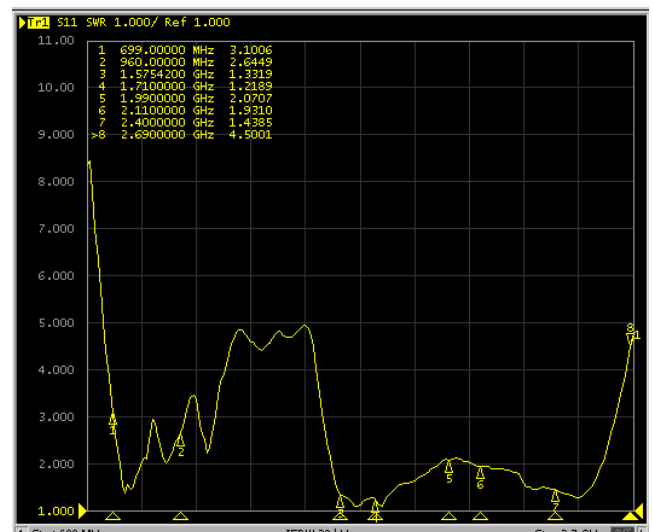
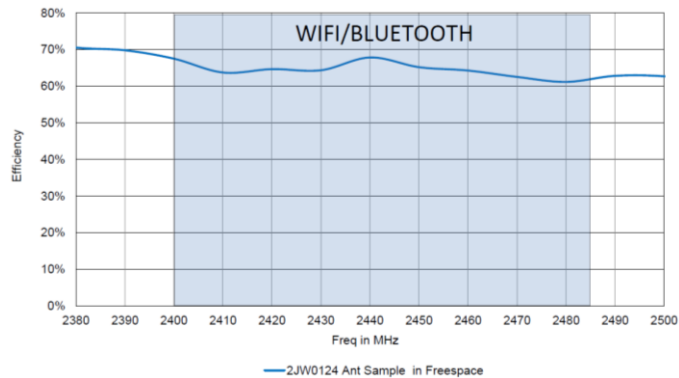
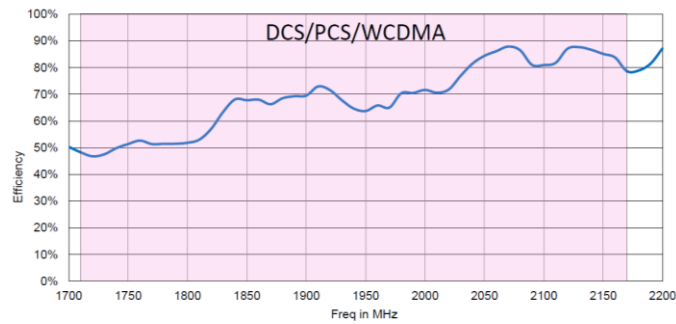
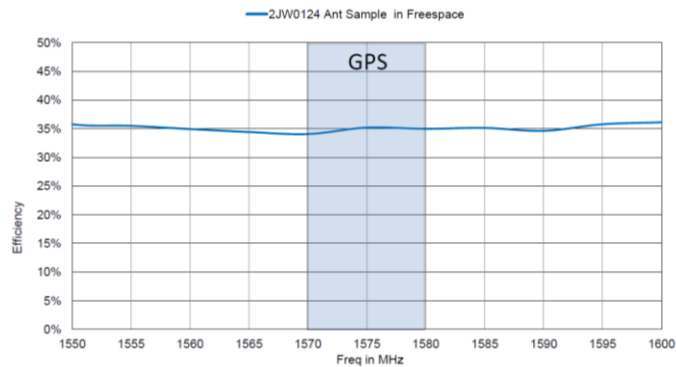
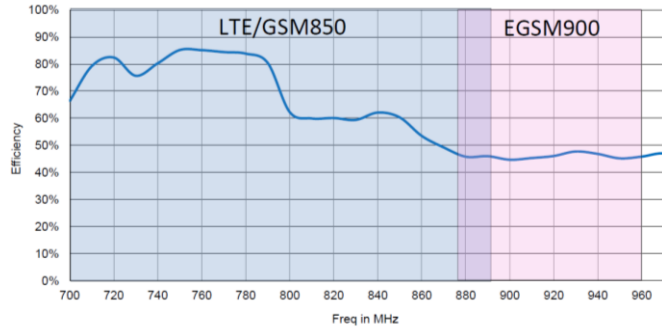


Figure 6 - VSWR at 90deg

2.3. Efficiency



3. IMAGES

