

## GPS & 3G MIMO Combo External Antennas

Product Number: ATG3G7220-3.0BM

### 1. Picture

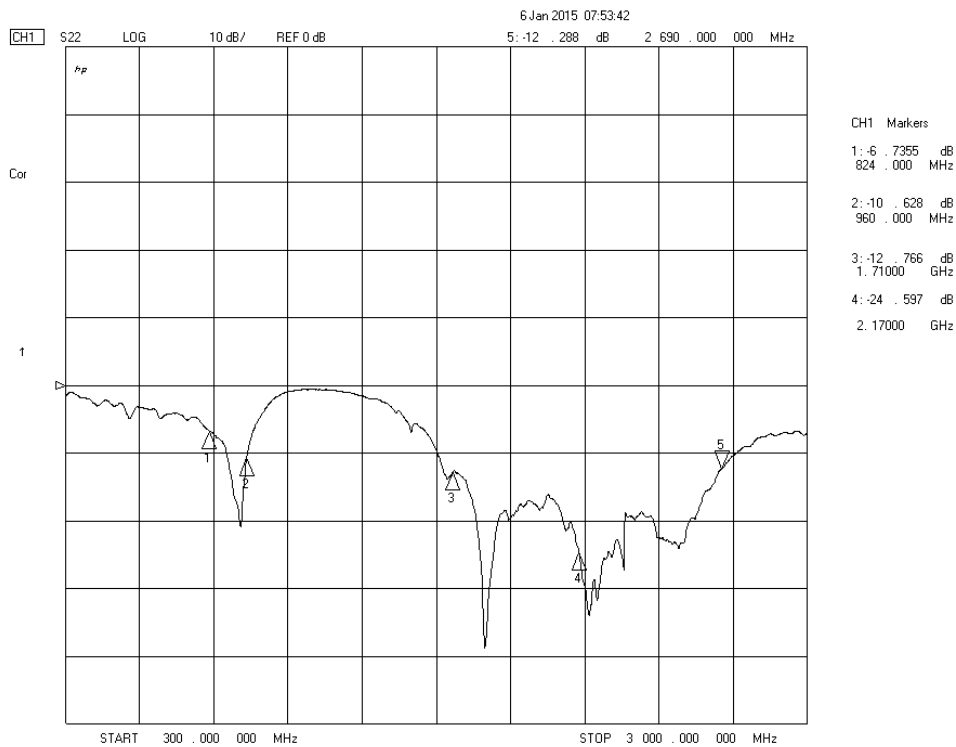


## 2. Product Features

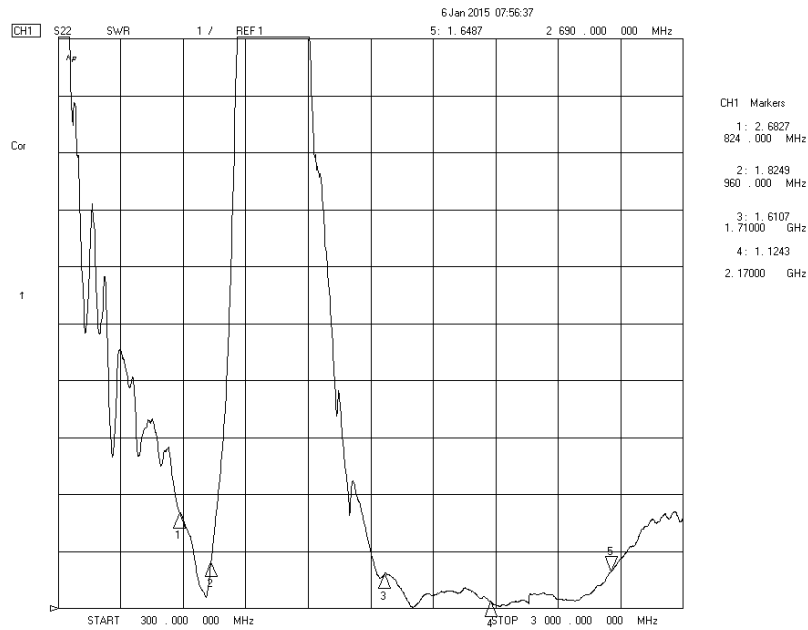
### 2.1 Antenna Specification

Frequency Range (MHz)	824~960	Diameter (mm)	72.5	Connector Type	SMA
	1710~2100				SMA
Gain (dB)	≥ 3	Height (mm)	20	Radome Material	ABS
VSWR	≤ 2	RF Cable	RG174 Φ2.8±0.1mm,black	Radome Color	Black
Impedance (ohm)	50 ohm	Line L Length (mm)	3000±20	Mounting	Magnetic
			3000±20		
Polarization	Linear	Working Temp (°C)	-40~+85	Humidity	Humidity25%~95%RH

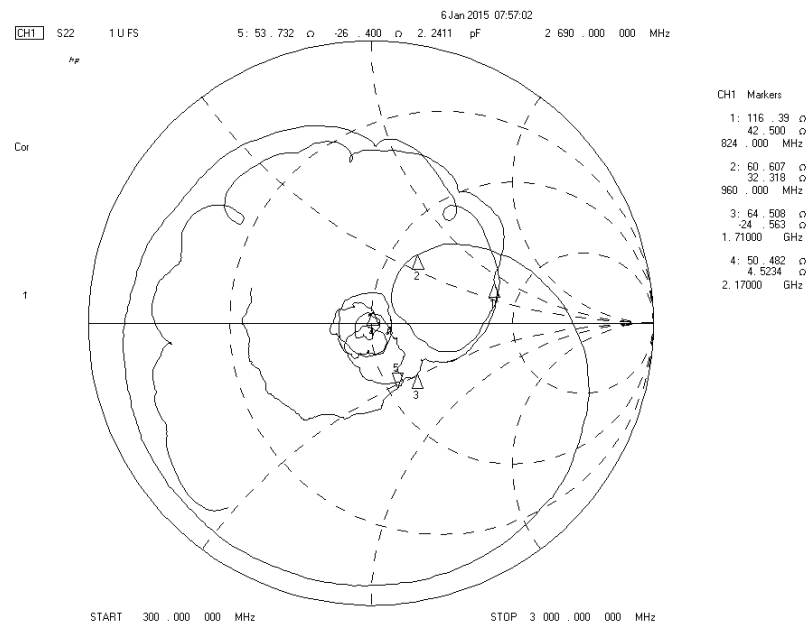
### 2.2 Return Loss



## 2.3 VSWR



## 2.4 Impedance

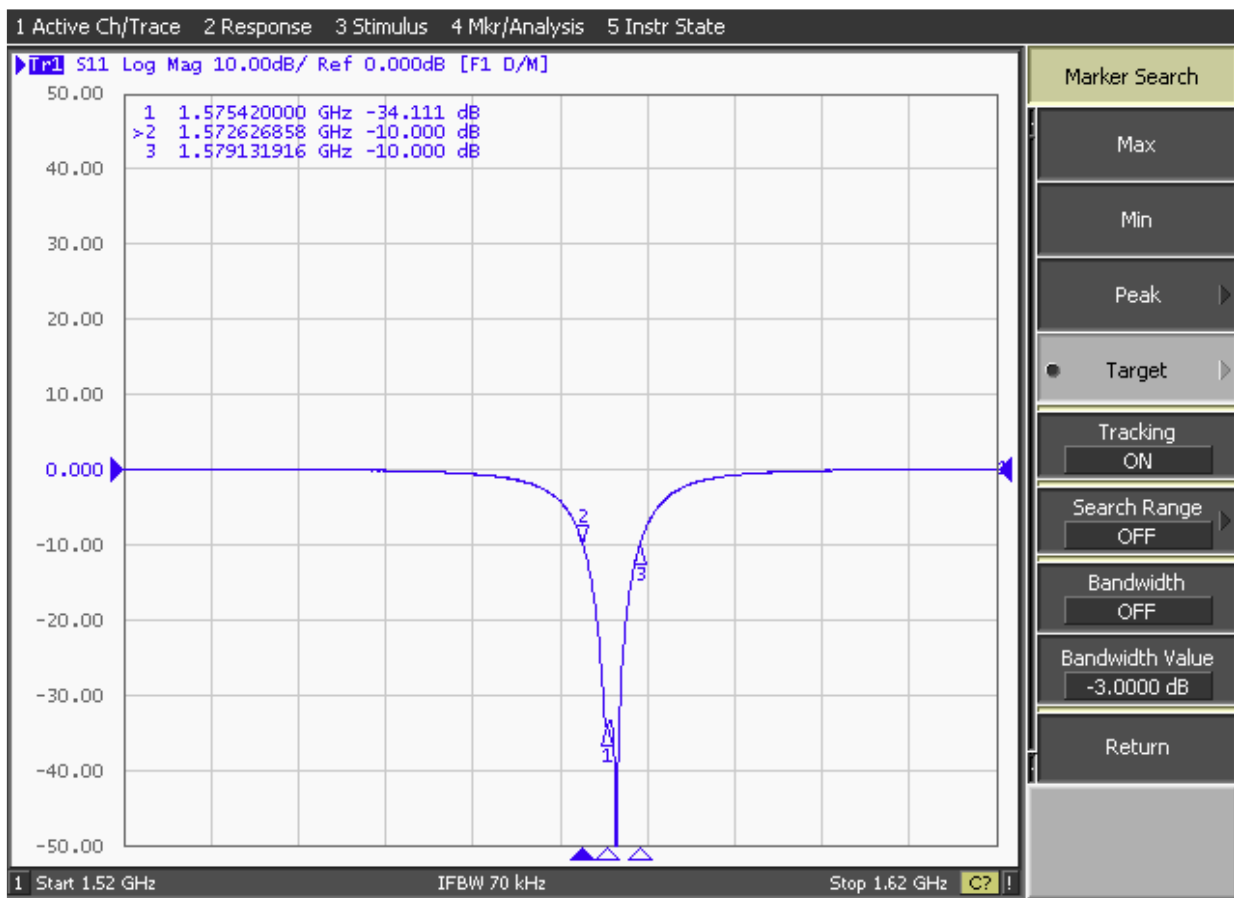


## 3. GPS Function Test

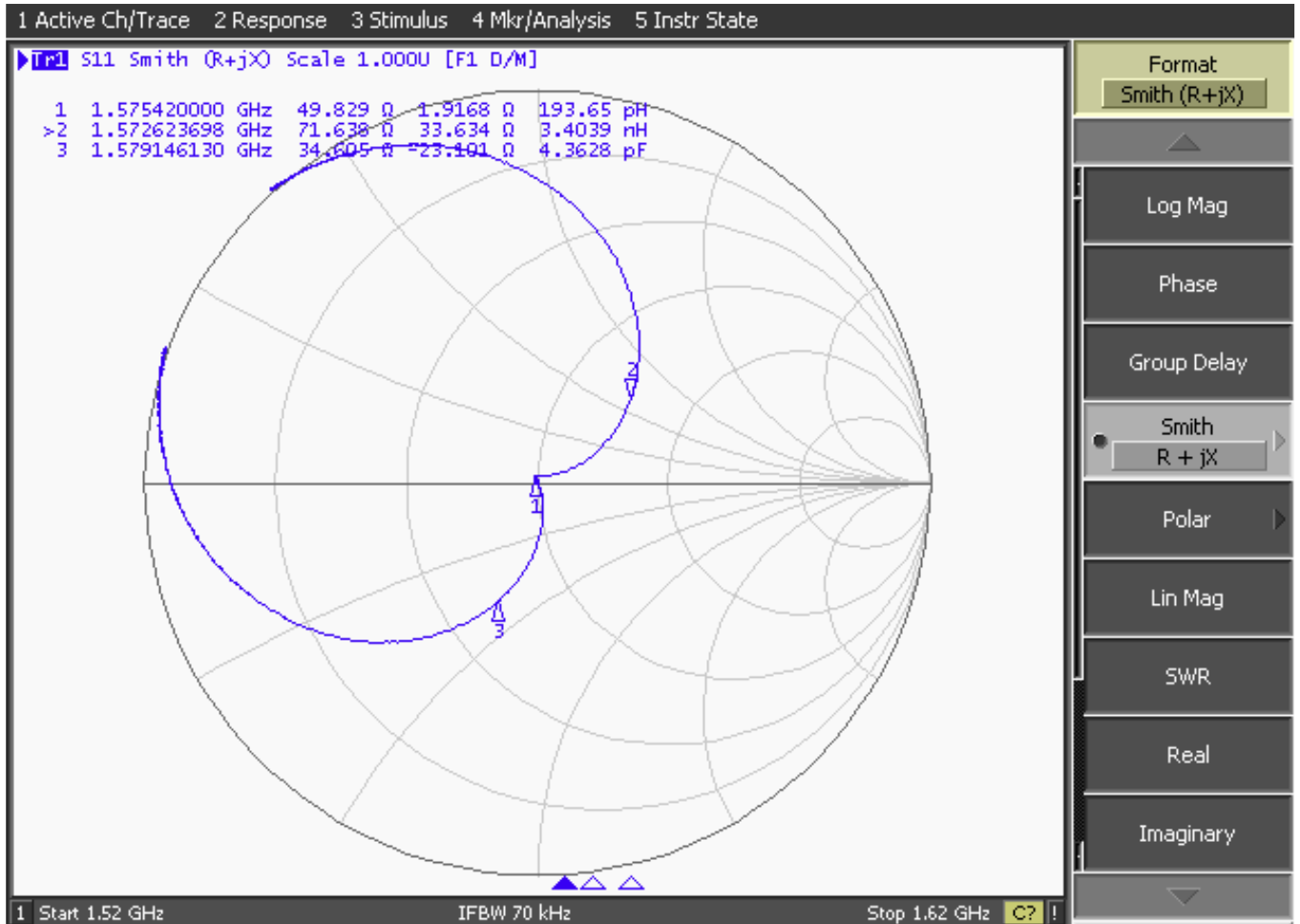
### 3.1 Electric Specification

Patch Antenna Specification		LNA Specification	
Fo	1575MHZ	Fo	1575MHZ
Band Width	3MHZ	Gain	28±1
Gain	0dB	Noise Figure	≤ 2.0
Gain 10°	-5dB	VSWR	≤ 2.0
Polarization	RHCP	Vcc	8.5~10.5V
Impedance	50Ω	Impedance	50Ω

### 3.2 Return Loss (S11)



## 3.3 Smith Chart (S11)



# ATG3G Series

## 4. Drawing

