

GPS & 3G MIMO Combo External Antennas

Product Number: ATG3G7520-3.0BM

1. Picture

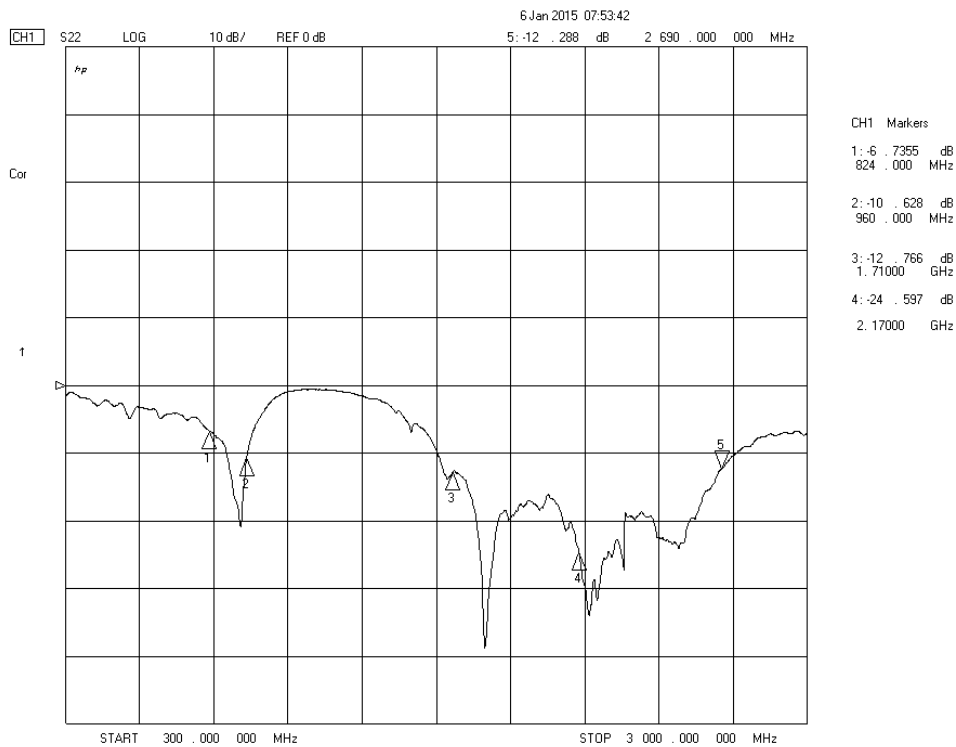


2. Product Features

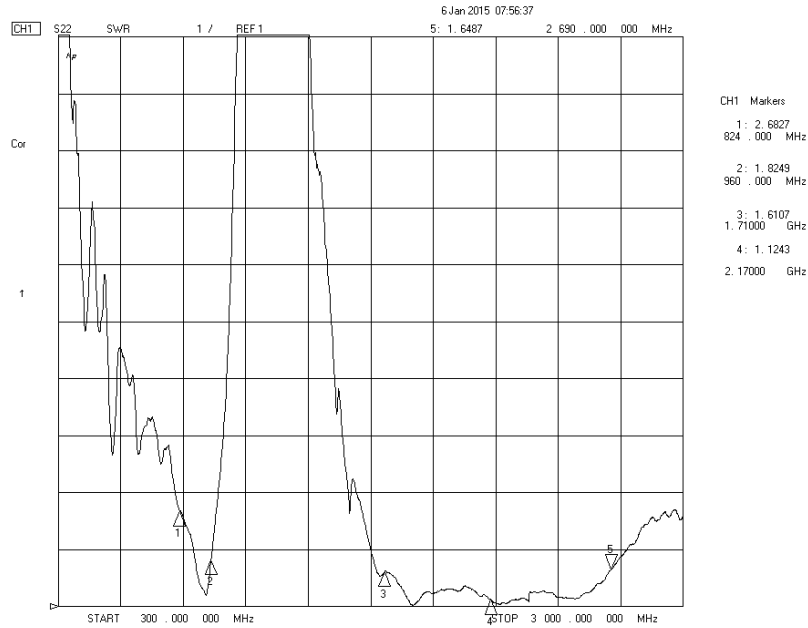
2.1 Antenna Specification

Frequency Range (MHz)	824~960 1710~2100	Diameter (mm)	72.5	Connector Type	GPS (FAKRA, Blue) 3G (FAKRA, Purple)
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 3000±20	Mounting	Magnetic
Polarization	Linear	Working Temp (°C)	-40~+85	Humidity	Humidity25%~95%RH

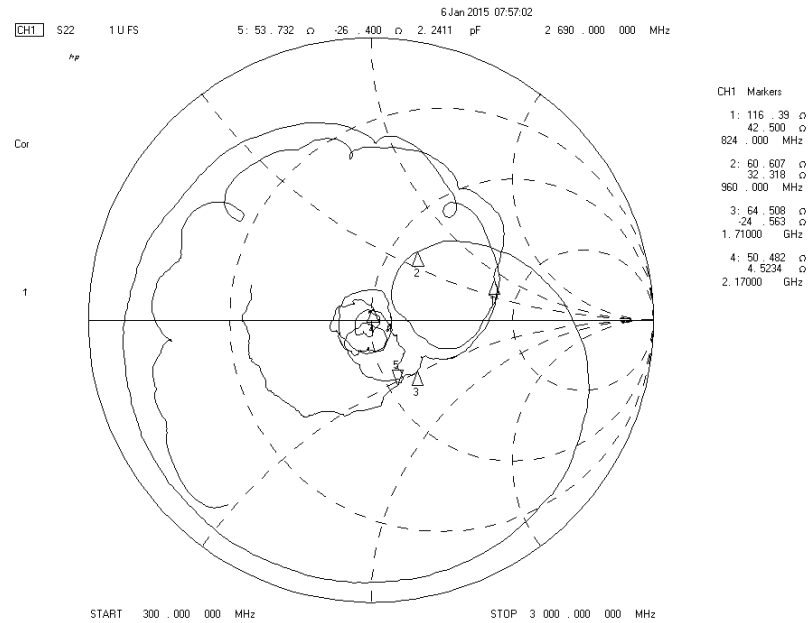
2.2 Return Loss



2.3 VSWR



2.4 Impedance

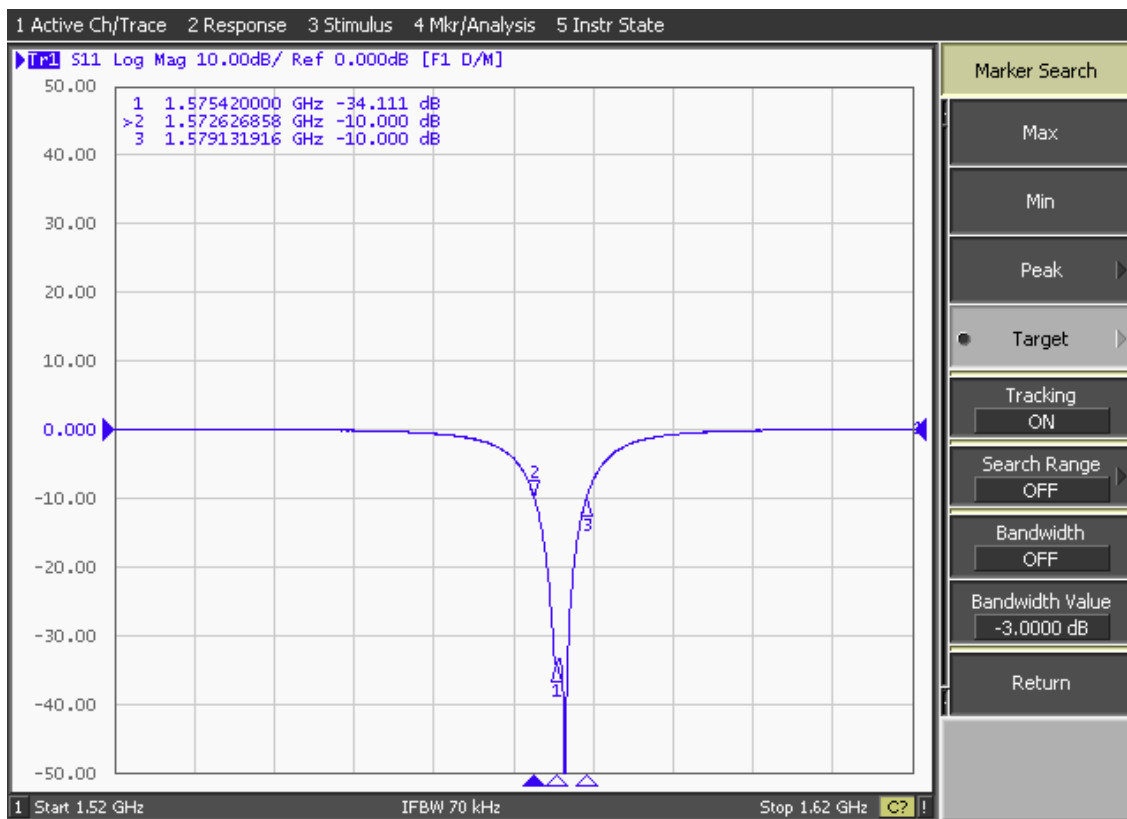


3. GPS Function Test

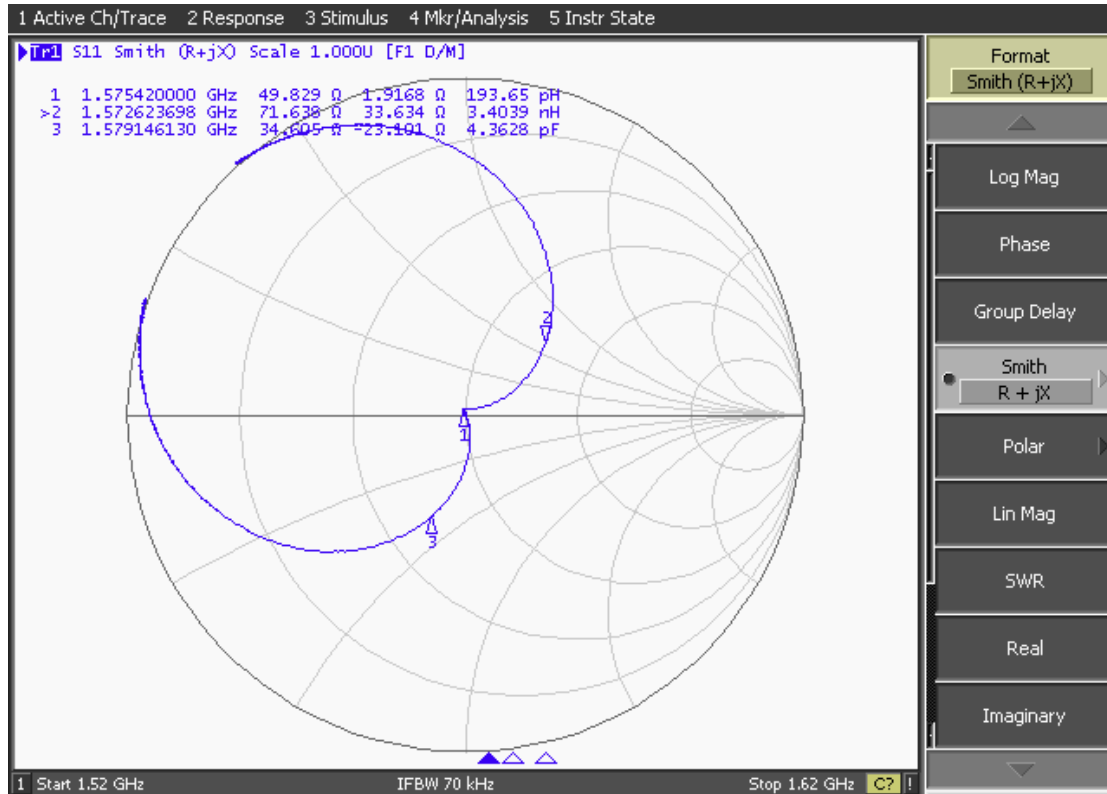
3.1 Electric Specification

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	2.7~3.3V
Impedance	50Ω	Impedance	50Ω

3.2 Return Loss (S11)



3.3 Smith Chart (S11)



4. Drawing

