

# ON SHINE G.P.S. Antenna ANT-555

## GPS ACTIVE ANTENNA



### Features

- High gain and low noise figure
- With high rejection saw filter
- Include protection circuits for ESD
- Ultra low power consumption
- Excellent Temperature Stability
- Magnetic Mount Base
- Varied cable length and connectors are available

### Application

- Car navigation system
- A.V.L tracking system

### Specifications Patch Antenna

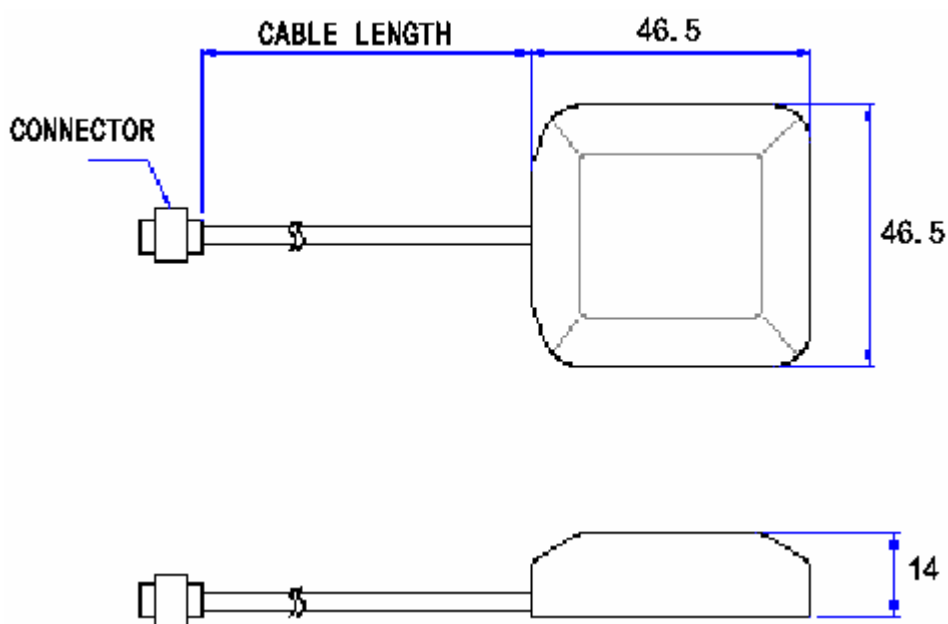
Type	
Frequency	1575.42MHz +/-1.023MHz
Ground Plane	70x70mm
Bandwidth(at10dB return loss)	10MHz min
Gain at Zenith	+5.0dBi typ
Axial Ratio	3.0 dB max
VSWR	1.5 dB max
Impedance	50
Operating Temperature	-40 ~+85

## LNA Performance

Type	
System Gain without cable	27 dB typ @3.0V(+25 )
Noise Figure	1.2 dB typ (+25 )
Output VSWR	2.0 dB max
SAW FILTER	Fo = 1575.42 MHz
Out of band rejection	Fo ± 50 MHz 40db typical
Voltage	2.7V~3.3V
Current Consumption	8 mA typ.
Operating Temperature	-40 ~+85

## Others

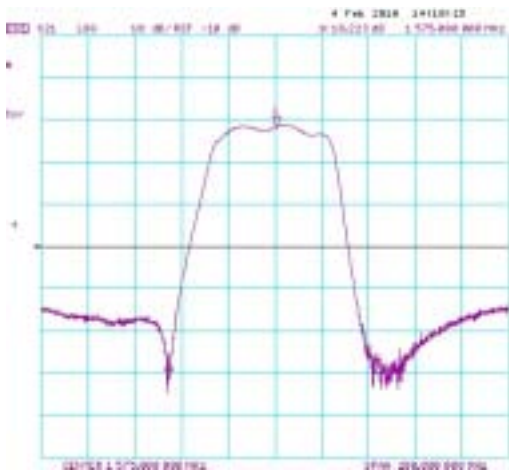
Type	
Dimension	L: 46.5mmW:46.5mm H:14mm
Waterproof	100% waterproof
Plastic color	Black
Cable type	RG-174
Cable Length	2m , 3m , 5m
Connector Type	SMA & Others
Mounting Method	Magnet



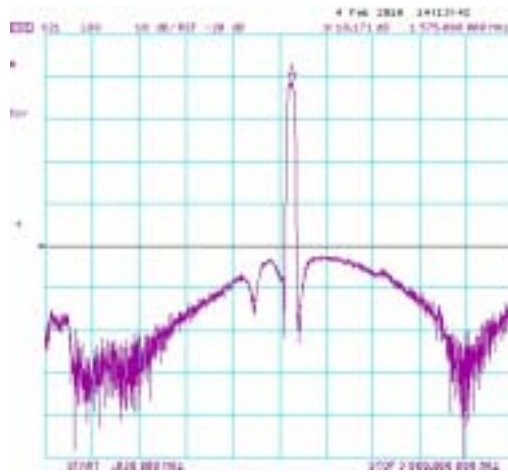
# Response

Base on RG-174 5meters, SMA

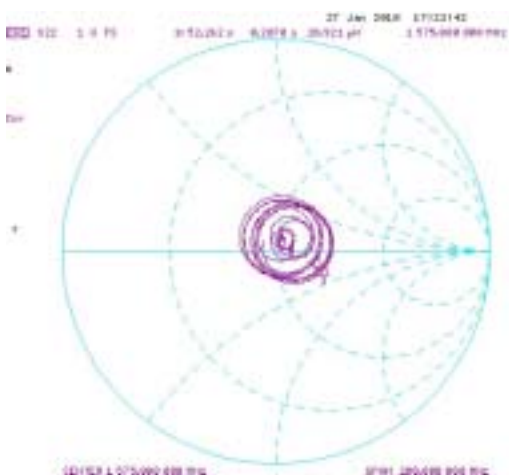
## S21



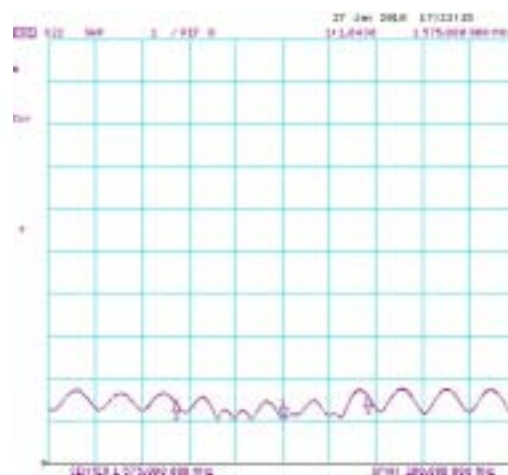
## Wind Band



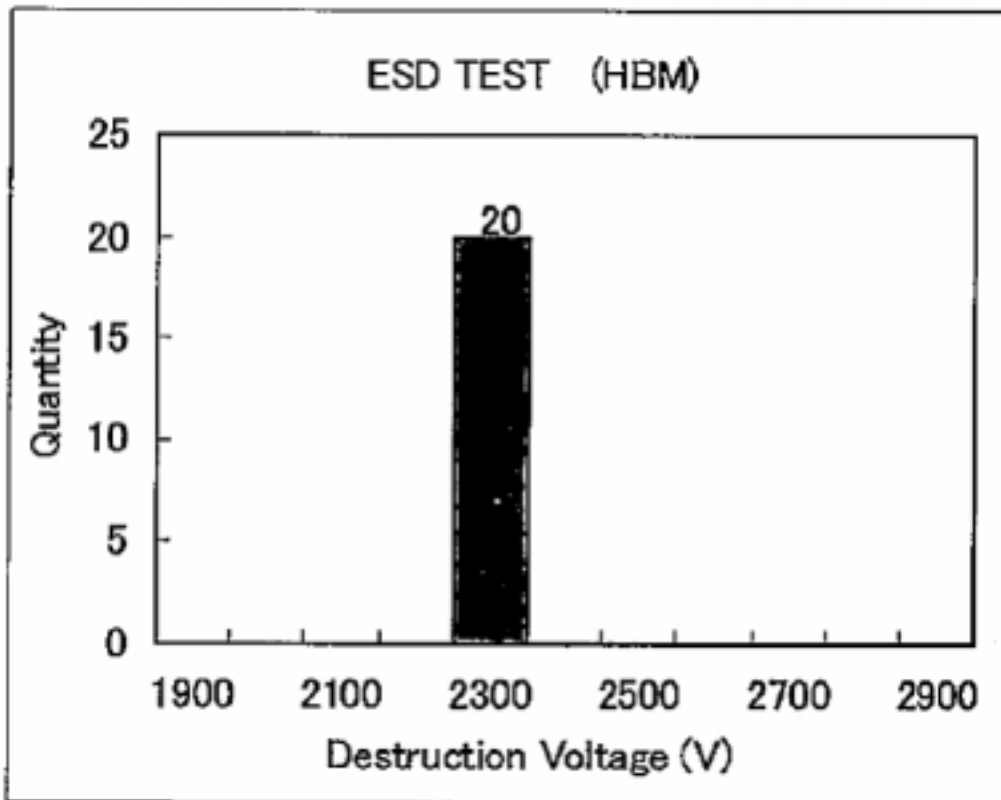
## S22



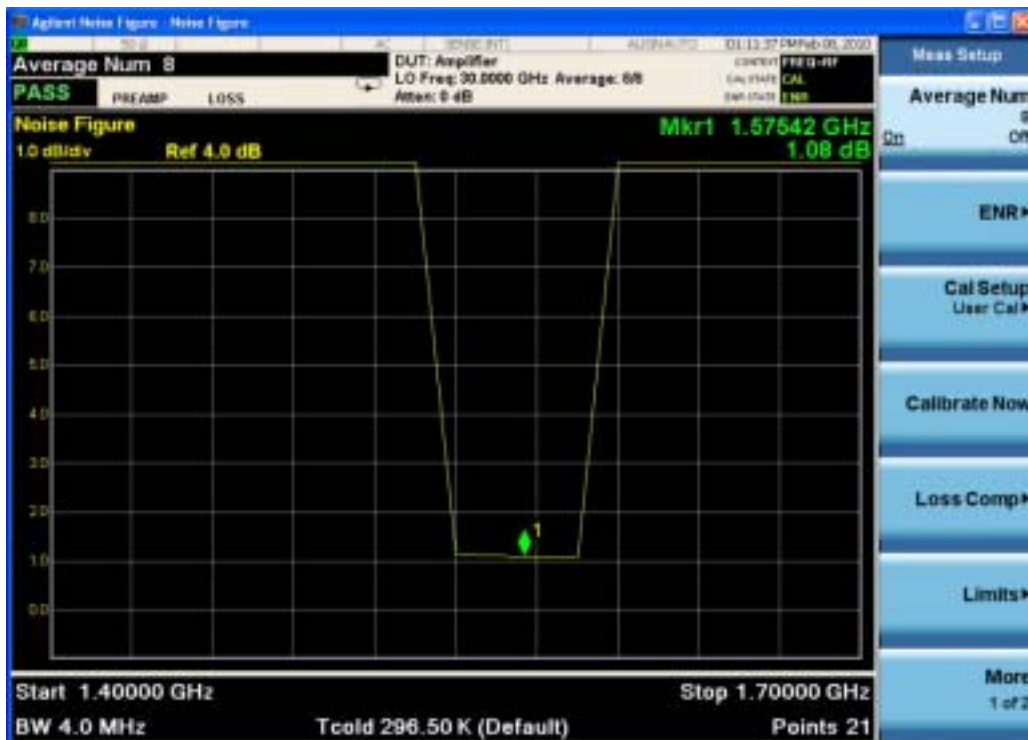
## S22



## ESD TEST



## Noise Figure TEST



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