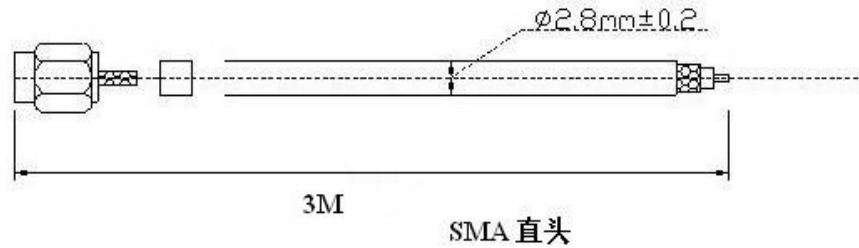


一、Product Model GPS Antenna

(Connector or Cable): RG174,L=3M
(GAIN: ±3DB)



二、Dielectric Antenna

Center Frequency	1575.42±3 MHz
V. S. W. R	2:1
Band Width	±5 MHz
Impedence	50Ω
Peak Gain	>3dBic Based on 7×7cm ground plane
Gain Coverage	>-4dBic at -90°<0<+90°(over 75% Volume)
Polarization	RHCP

三、LNA/Filter

LNA Gain Without cable	28dB Typical
Noise Figure	2.0dB
Filter Out Band Attenuation	(f0=1575.42MHz) 7dB Min f0+/-20MHz; 20dB Min f0+/-50MHz; 30dB Min f0+/-100MHz
V. S. W. R	<2.0
DC Voltage	3V, 5V, 3V to 5V
DC current	7-10MA

四、Mechanical

Weight	<100 (g) gram
Size	49X38X17mm
Cable	RG174 3M
Connector	SMA,MCX,MMCX, SMB
Mounting	Magnetic base/ sticking
Housing	Black

五、 Environmental

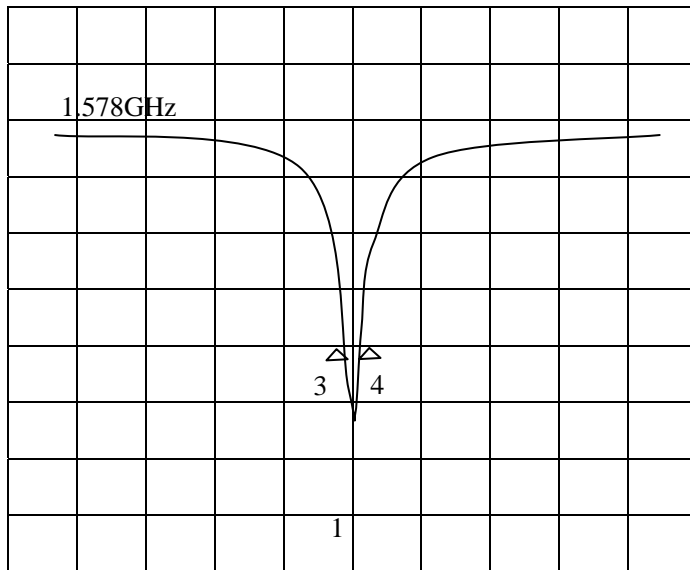
- 1. Working Temp -40°C~+85°C
- 2. Vibration Sine sweep 1g(0-p)10~50~10Hz each axis
- Humidity Humidity 95%~100%RH

1. GPS ANTENNA

13Apr200209:45:461:-21.775dB

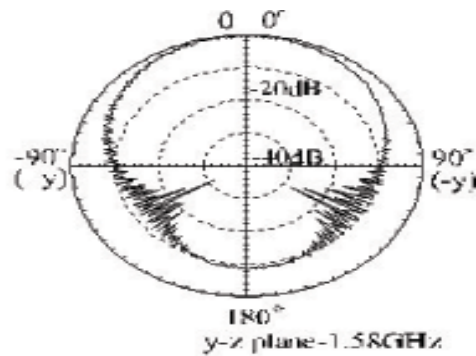
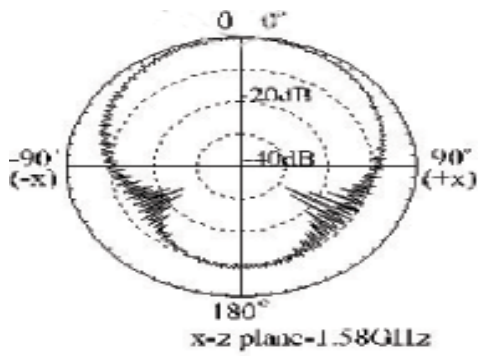
HEM LOG 5 Db/REF-15Db 1:28.970Db 1575.000 000 MHz

GH1
De1
Cor



2. (DAE1575R2540A)

2

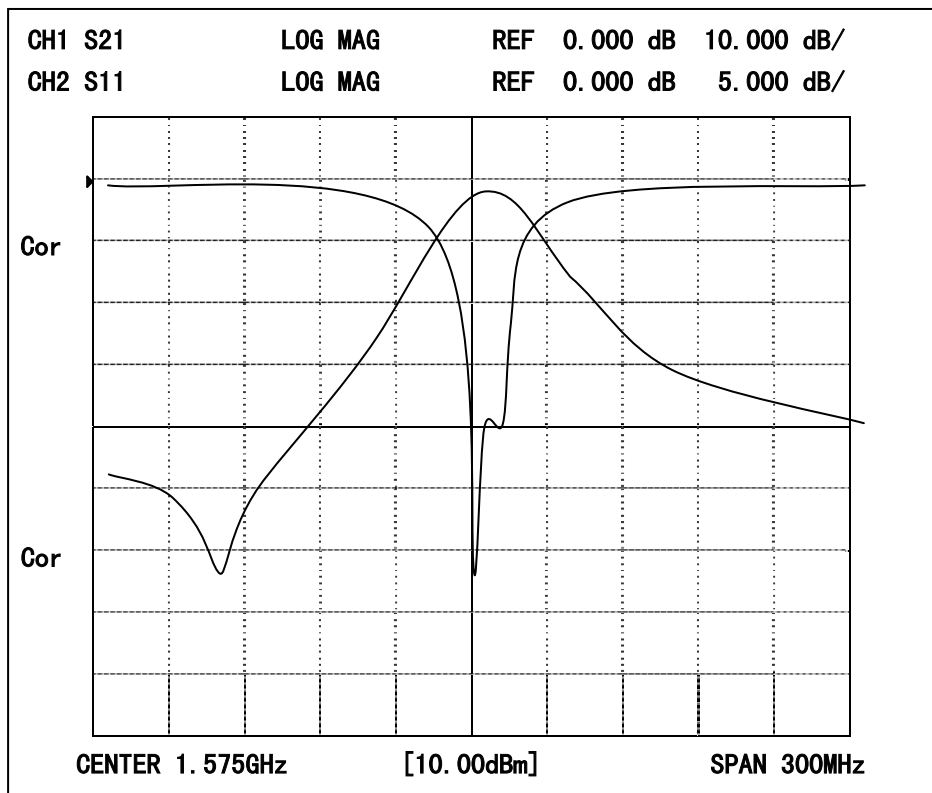


(axial ratio): 3dB

-1.000	0.000	-0.266	-146.496
0.000	0.000	-0.599	-43.376
1.000	0.000	0.000	62.116
Gain:(plot)+47 =-43.513+47 =3.487			

-1.000	0.000	-0.197	-48.904
0.000	0.000	-0.369	55.557
1.000	0.000	0.000	190.098
Gain:(plot)+47 =-43.692+47 =3.308			

3.



六、PRODUCT PICTURE



七、STATIONARY WAVE PATTERN

