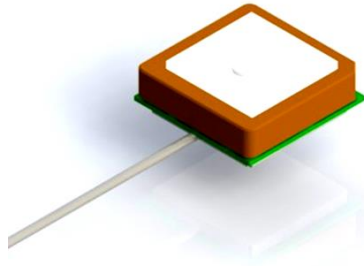


GPS Internal Antenna Specification

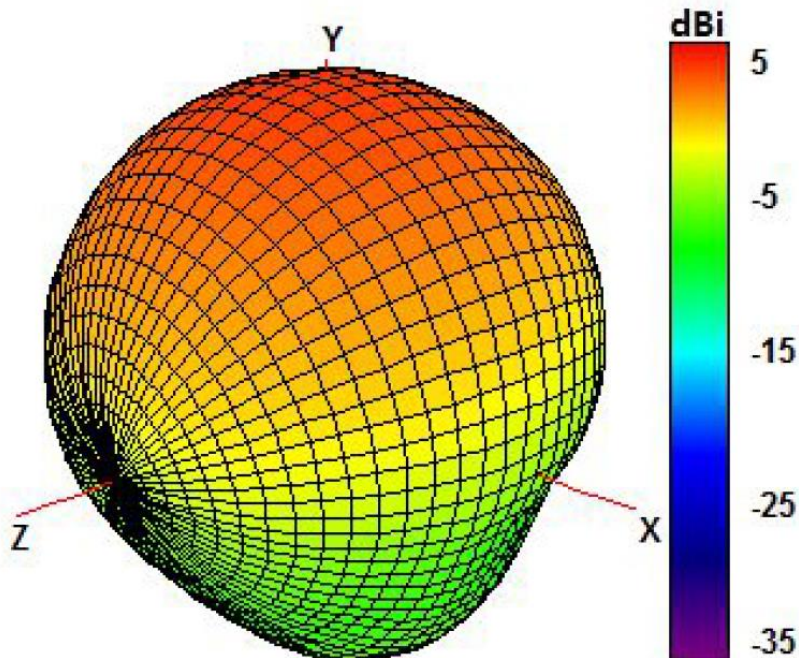
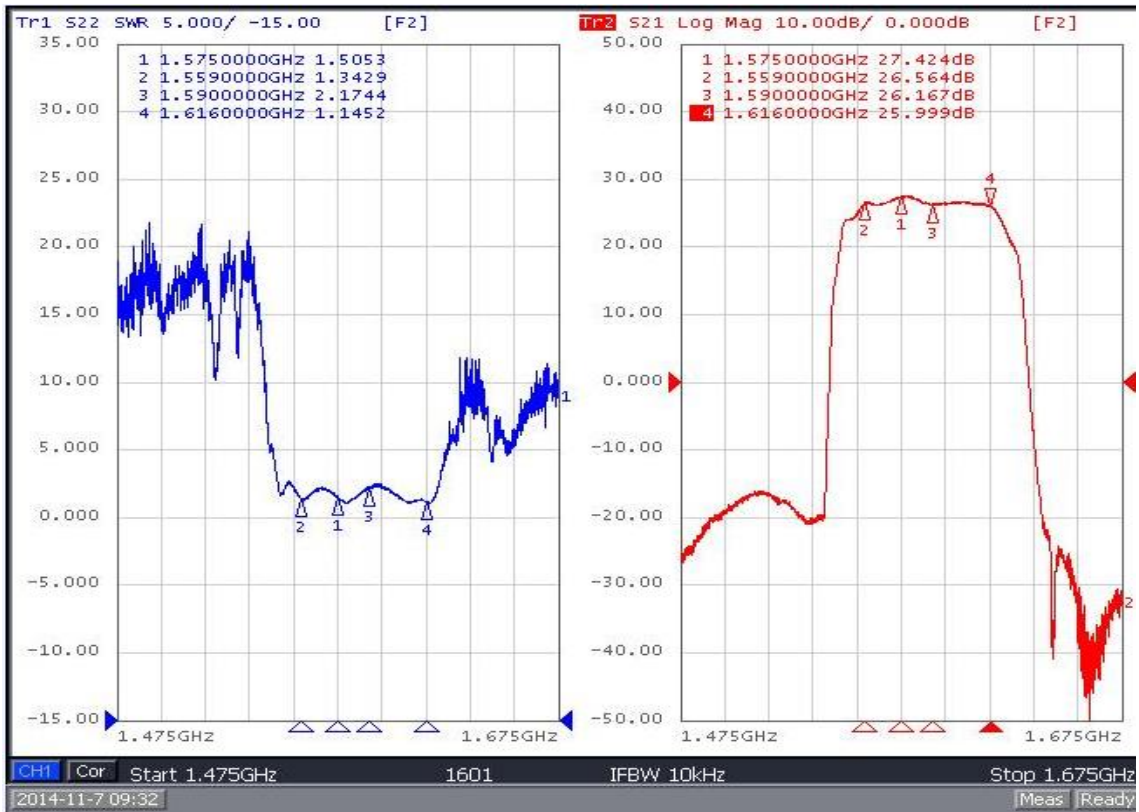
(Model: RY-GPS-1818-1)



Antenna		
1	Antenna Size	18mm × 18mm × 6.5mm
2	Frequency Range	1575.42MHz ± 3MHz
3	V.S.W.R	2.0 MAX
4	Band With@ 10dB(10dB	7 MHz MIN
5	Gain	1dB typ @22mm*22mm groundplane
6	Impedence	50 Ω
7	Polarization	RHCP
LNA		
1	Frequency Range	1575.42MHz ± 2MHz
2	DC Voltage	3.0 ± 0.5V
3	DC current	11 ± 2MA(@3.0V)
4	Gain	28 ± 3dB(without cable @25°C ± 10°C)
5	Output VSWR	2.0 MAX
6	Noise Figure	1.5 MAX
7	RF Connector	IPEX/U.FL

Environment Condition

1	Working Temp	-40°C ~ +85°C, 10% ~ 95% RH
2	Storage Temp	-55°C ~ +100°C, 10% ~ 95% RH
3	Vibration	Sine sweep @ 1.5mmAM 10~55Hz each Axis



1575 MHz Radiation pattern

Structure (结构图)

