

Antenna

Product Specification

天线系列: GPS FPC Antenna

PN: Q8-D0011

OC: YME001AA



Version	Date	Author	Note
1.0	2020.4.14	Allen	初版

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1 Product Description

The antenna is designed for superior performance, and can be widely used for wireless applications. We provide comprehensive antenna design support such as simulation, testing and manufacturing for custom antenna solutions to meet your specific application needs.

2 Product Features

- GPS FPC Antenna
- High efficiency
- Excellent performance



3 Product Specifications

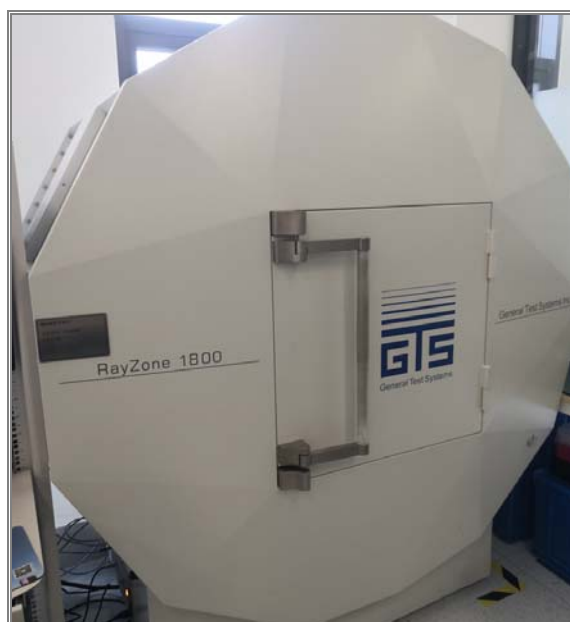
无源电性能指标 Passive Electrical Specifications

频率范围 Frequency Range (MHz)	1559-1609
输入阻抗 Input Impedence (Ω)	50
电压驻波比 VSWR	≤ 2.0
增益 Gain (dBi)	≥ 4.0

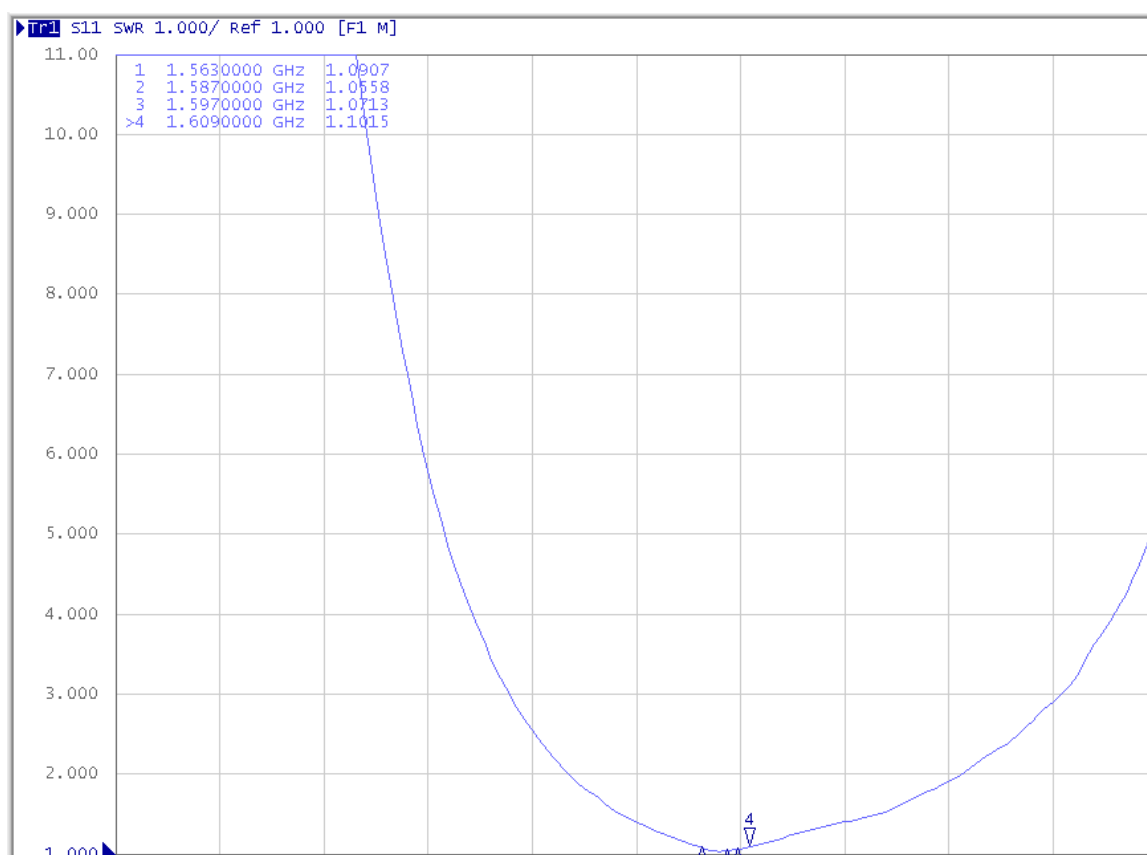
极化形式 Polarization Type	线性 Linear
有源电性能指标 Active Electrical Specifications	
低噪放 LNA Gain	/
噪声 Noise Figure	/
带外抑制 Out band attenuation	/
电压 Operation Voltage	/
电流 Current	/
机械指标 Mechanical Specifications	
天线尺寸 Antenna Size (mm)	39.45 x 13.25
外壳 Casing	/
辐射体 Radiator	铜 Cu
连接器型号 Connect Type	UFL
工作温度 Working Temperature (°C)	-20 ~ +80
储藏温度 Storage Temperature (°C)	-20 ~ +80
天线颜色 Radome Color	黑色 Black
IP 防护等级 Ingress Protection	/
重量 Weight (g)	2g

4 Overall Performance

- Test Environment
 - KEYSIGHT 网络分析仪 VNA Network Analyzer E5063A 100KHz-6.5GHz
 - RayZone1800 5G 暗室 5G(FR1) SISO/MIMO, 600MHz-6.0GHz.



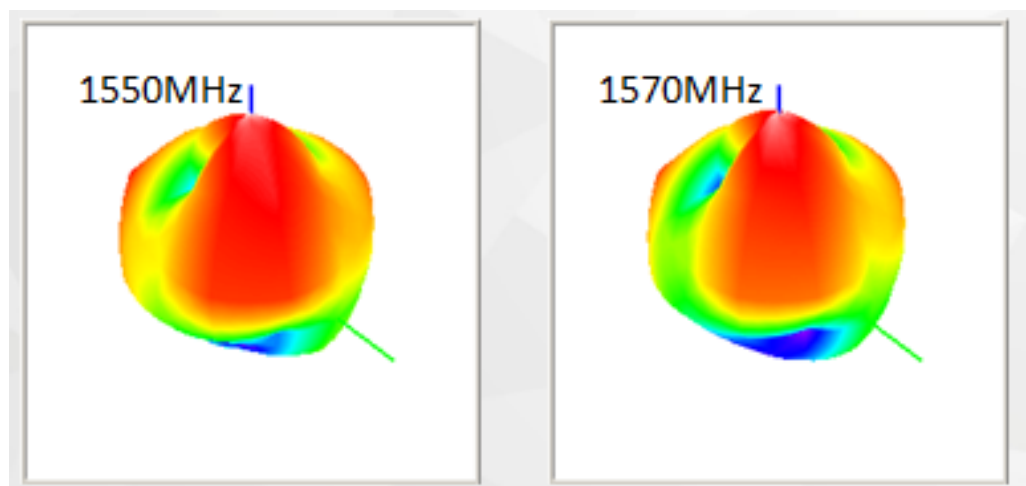
● VSWR

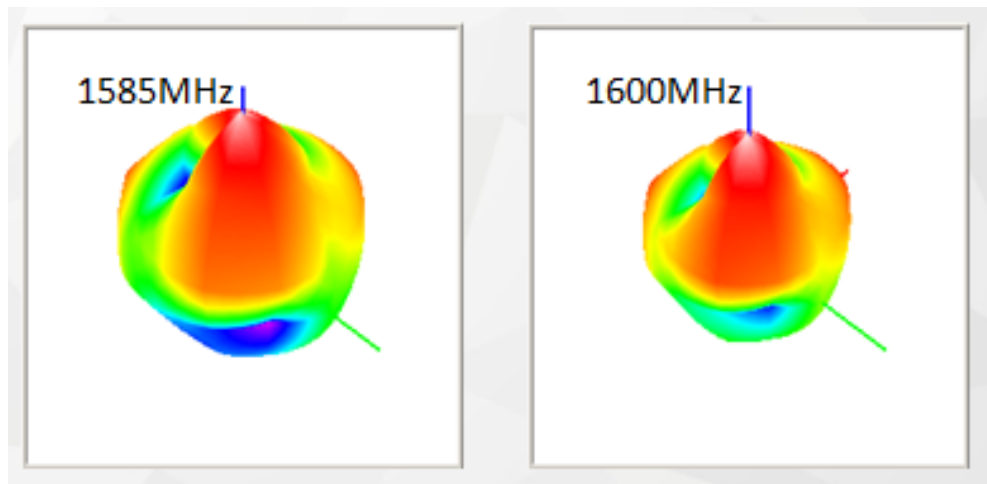


● Efficiency& Gain

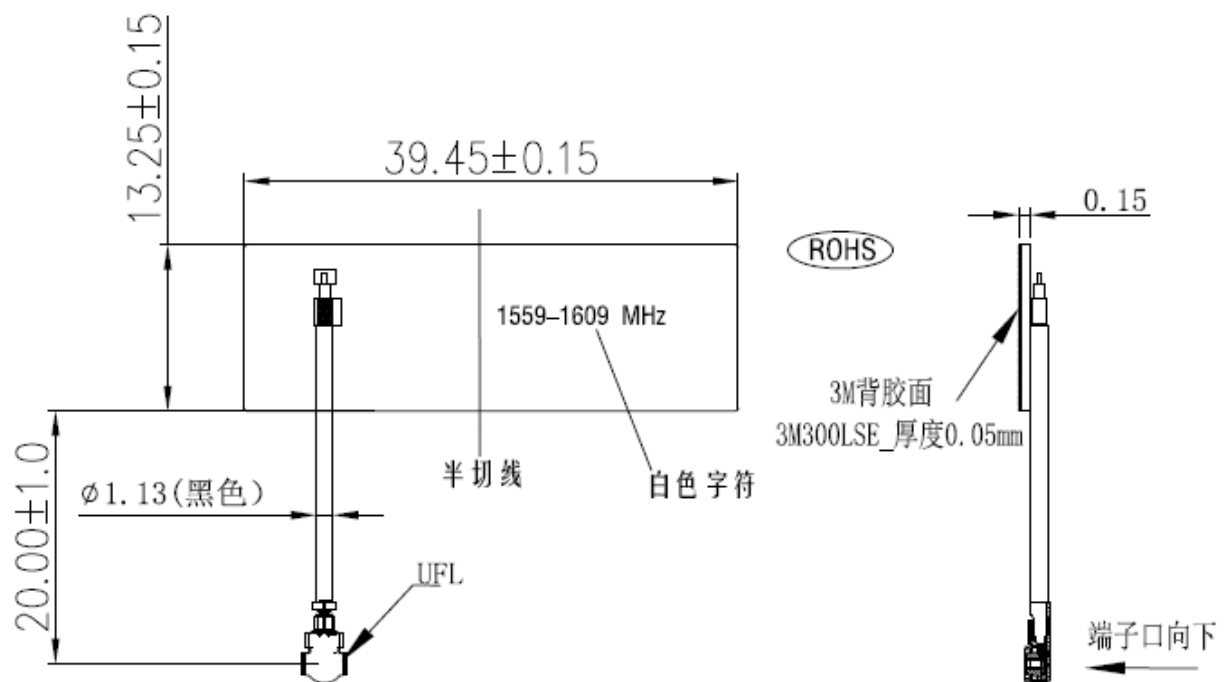
Freq.(MHz)	Gain(dBi)	Efficiency
1550	4.57	67.5%
1555	4.51	65.1%
1560	4.68	64.8%
1565	4.88	66.3%
1570	4.91	67.1%
1575	4.94	66.6%
1580	4.94	66.9%
1585	4.84	66.6%
1590	4.75	64.4%
1595	5.02	68.0%
1600	5.36	72.8%
1605	5.49	75.7%
1610	5.60	78.1%

● Radiation Patterns





5 Product Size



如需了解未标明尺寸，请与我们联系。

Please contact us for any unmarked size information.