

TBOX RF specification

蓝牙 PCB 印制天线 Bluetooth PCB printed antenna

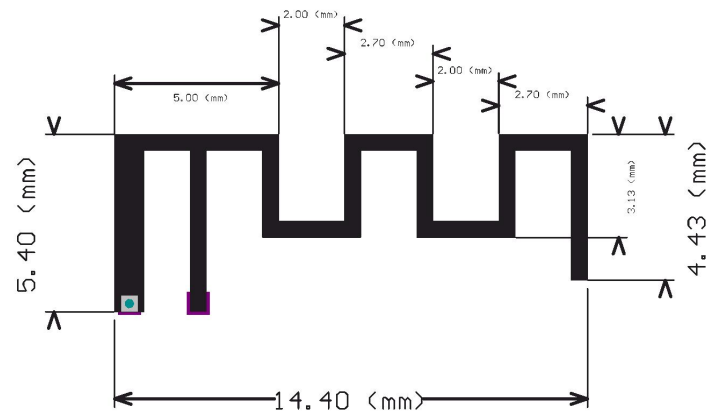
频率范围 Frequency Range (MHz): 2400-2500

频带宽度 Bandwidth (MHz): 100

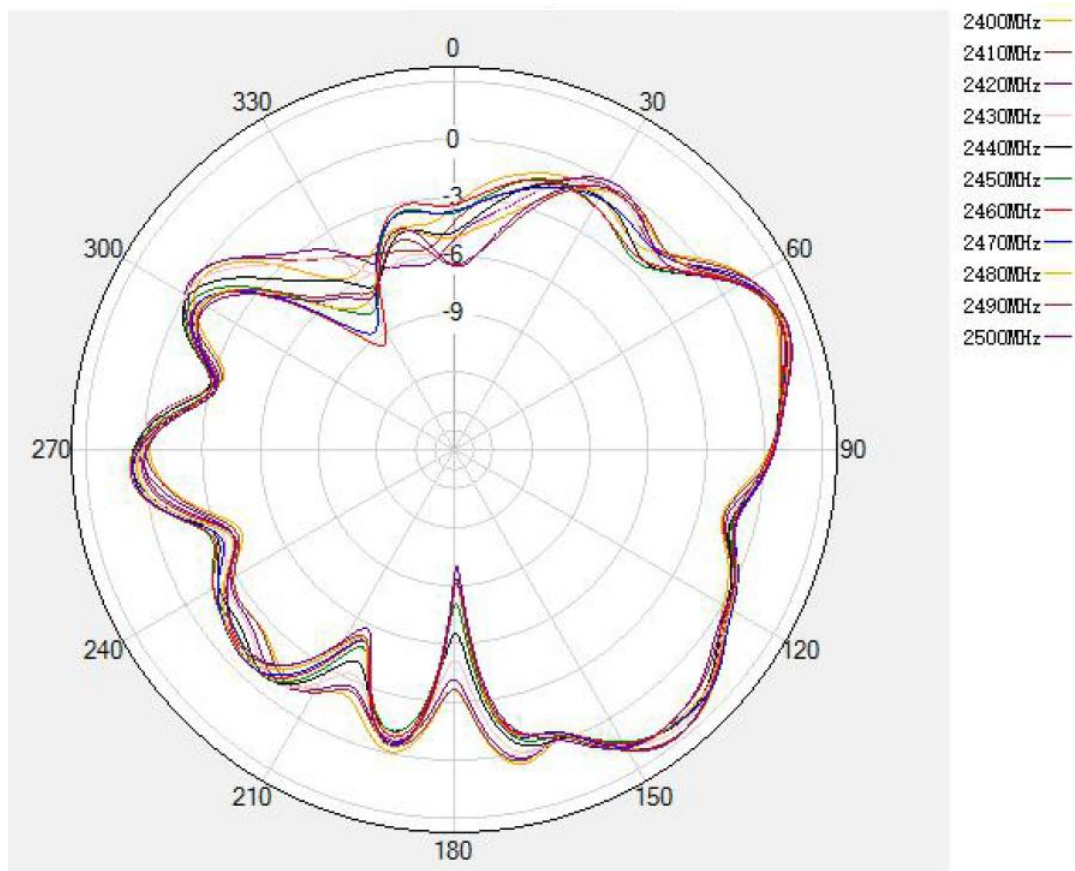
输入阻抗 Input Impedence (Ω): 50

增益 Gain (dBi): 0.58

电压驻波比 V.S.W.R: <2



Antenna size chart



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GPS antenna

PA1590MI4G-289-2ZM

ENGINEERING SPECIFICATION

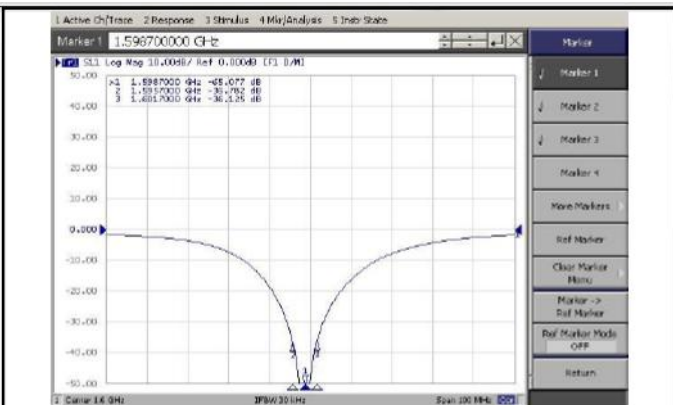
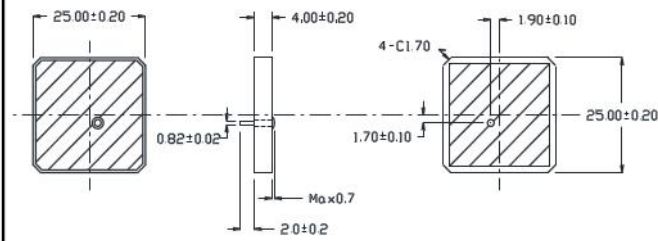
1. Typical Electrical Properties

Characteristics	Specification	Unit	Conditions
Center Frequency	1575.42±2/1602.0±2	MHz	In Customer's model
	1598.7±2	MHz	By Test Ground Plane
Polarization	RHCP		
S11	< -20	dB	By Test Ground Plane
Frequency Temperature Coefficient	0±20	ppm/°C	-40°C to +85°C

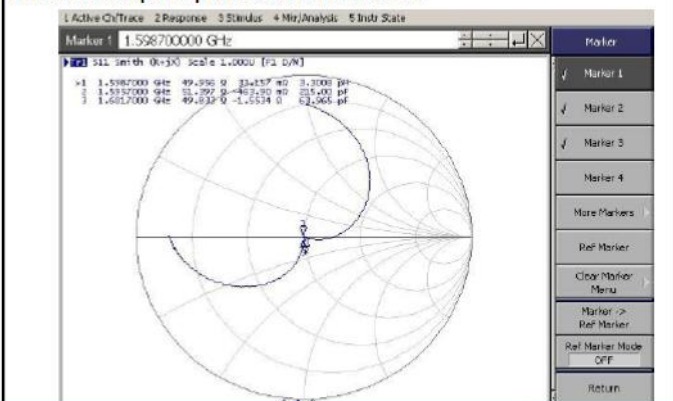
PA1590MI4G-289-2ZM · G: Green parts (RoHS compliance)

-289 are the code of project number. - 2ZMshow of appendix

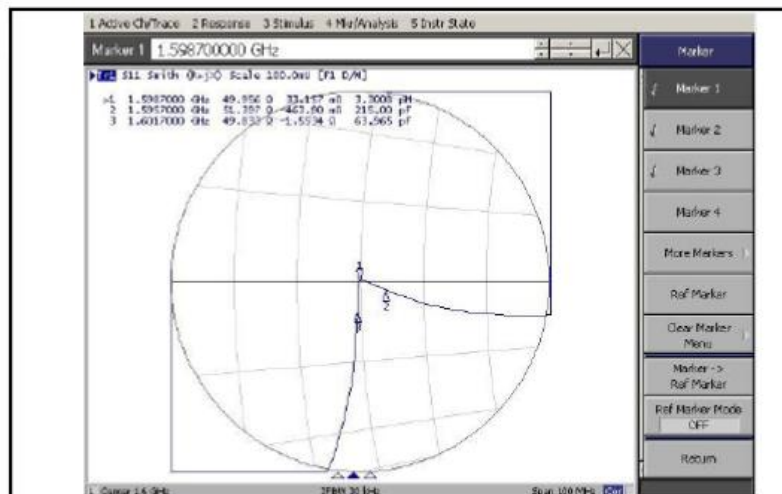
2. Dimension: (Unit: mm)



5. Measured Input Impedance on a Smith Chart



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6. Explanation of Appendix

PA1590MI4G -289- 2 Z M

(1) (2) (3)

(1) 2=2.0mm pin Length

(2) Adhesive Tape Z 22×22mm

Adhesive Transfer Tape Specification

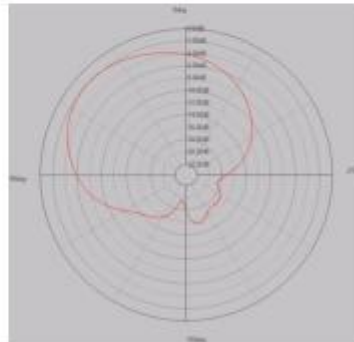
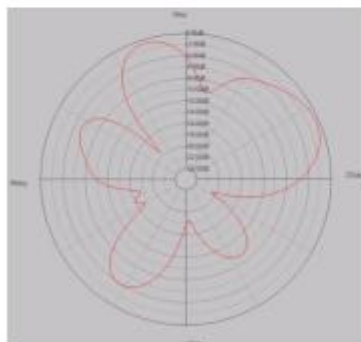
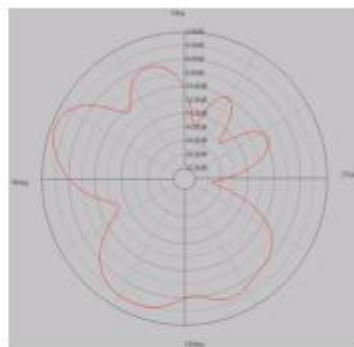
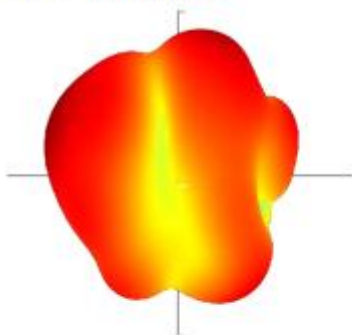
1.1 TAPE: D038 22×22×0.16mm

1.2 Thickness : 0.12 ± 5% mm

1.3 Release Liner : 0.1mm (typ.) printed paper or paper

1.4 Dimension : mm

GPS-1575MHz

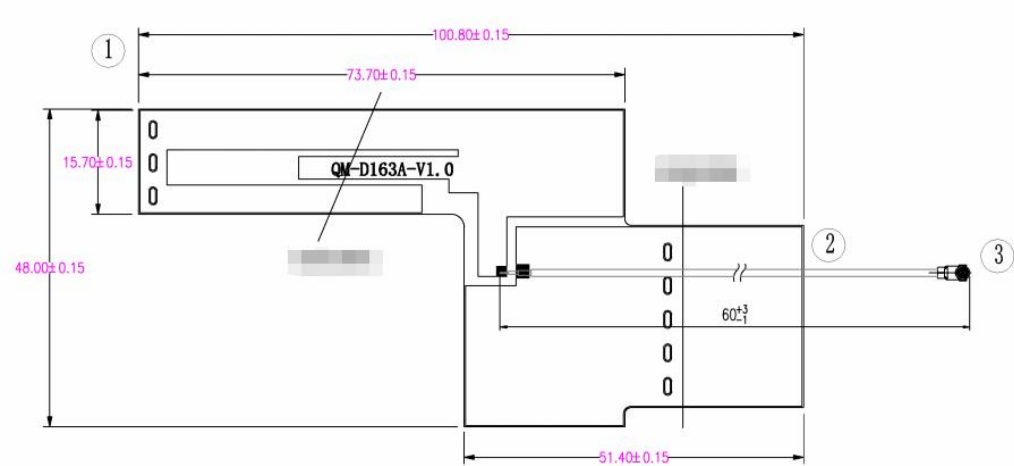


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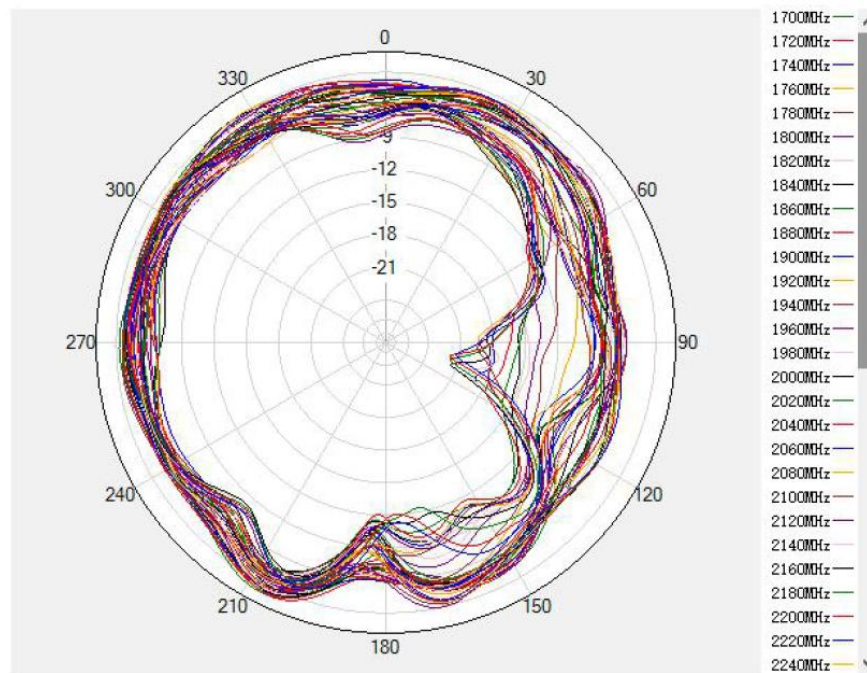
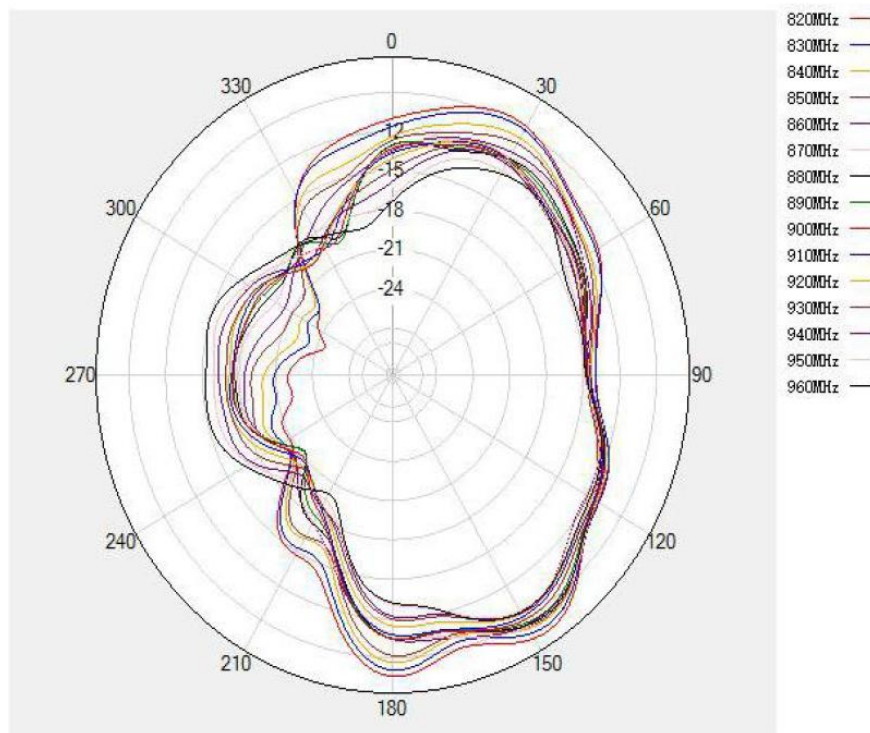
Network antenna
4G

天线状态	量产			样机状态	量产		
	B2				B4		
Channel	18650	18900	19150		20000	20175	20350
TRP	18.24	18.29	18.41		18.34	18.26	18.21
TIS			-90.09				-90.34
	B12						
Channel	23060	23095	23130				
TRP	15.06	15.37	15.58				
TIS			-88.47				

频段frequency	增益Gain(dBi)
W850	-0.87
W1900	-1.25
B2	-1.25
B4	-0.86
B5	-0.87
B12	-0.72



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制造商:Shenzhen Qianmu Communication Technology Co.,Ltd.

地址: No. 425, 443, 4th Floor, Building A, Huafeng Zhigu - Hangcheng High tech Industrial Park, Hangcheng Street, Sanwei Community, Bao'an District, Shenzhen, China