

M128-IOT RF specification

蓝牙 PCB 印制天线 Bluetooth PCB printed antenna

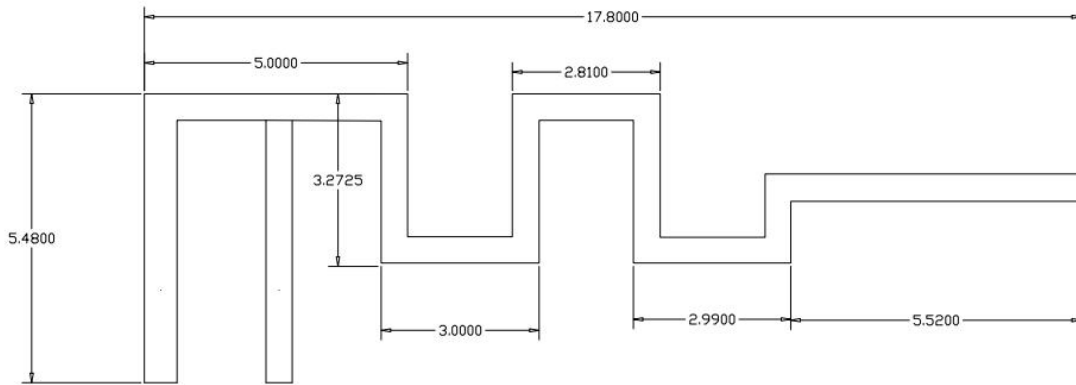
频率范围 Frequency Range (MHz): 2400-2500

频带宽度 Bandwidth (MHz): 100

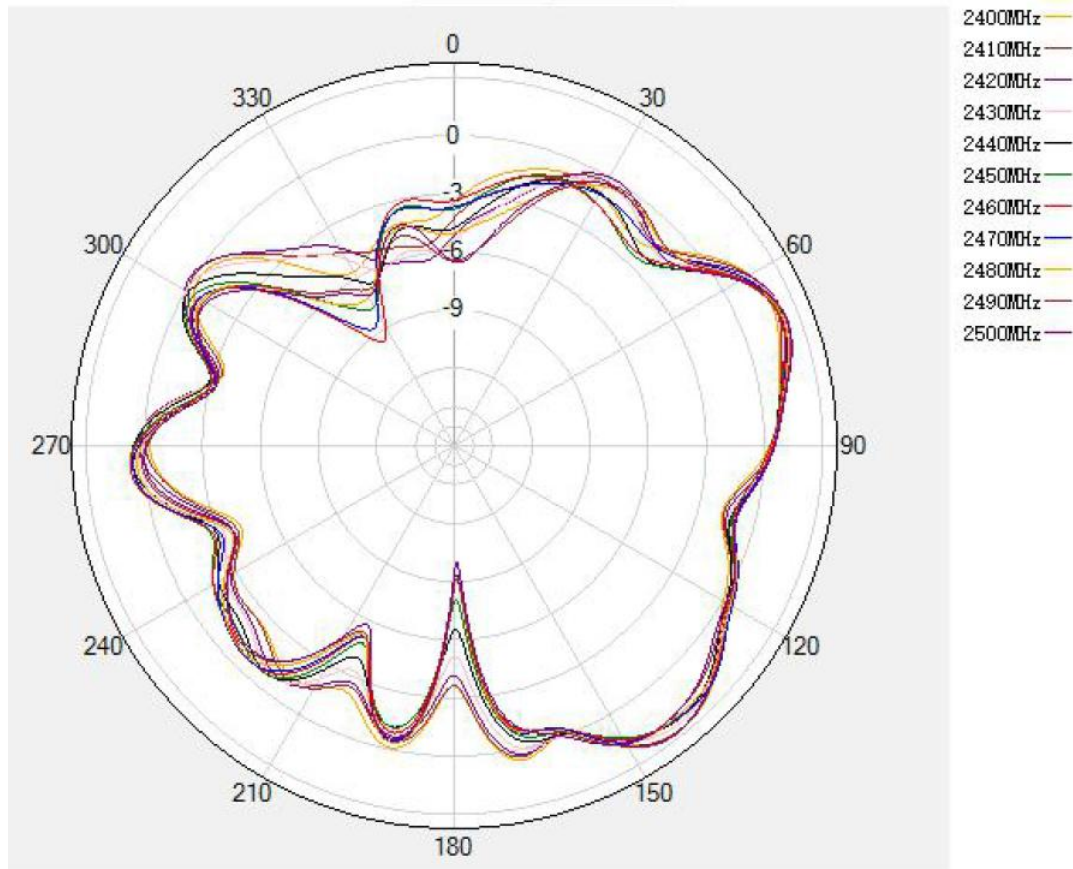
输入阻抗 Input Impedance (Ω): 50

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

Product Specifications

- The antenna is tested under machine condition.

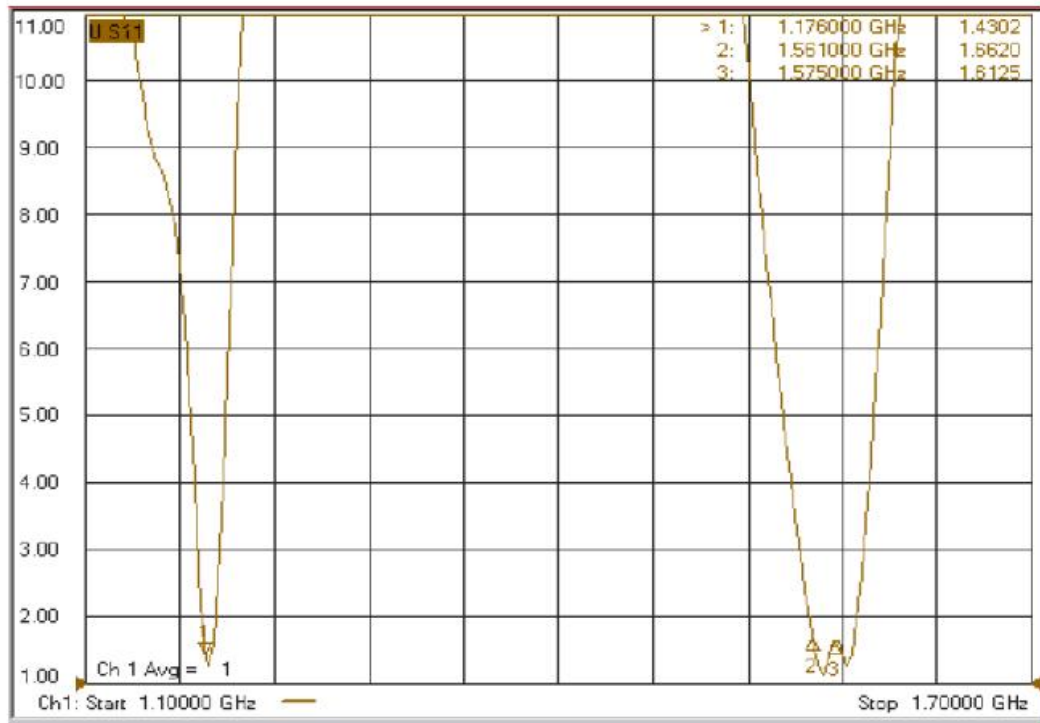
Passive Electrical Specifications

Frequency Range	1166-1186MHz / 1559-1585MHz
Input Impedence	50 Ω
VSWR	≤ 2.0
Gain	L5 \leq 1 dBi L1 \leq 0 dBi
Polarization Type	RHCP

Mechanical Specifications

Antenna Size	25mm*25mm*4mm+18mm*18mm*4mm
Casing	Ceramics
Working Temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ C

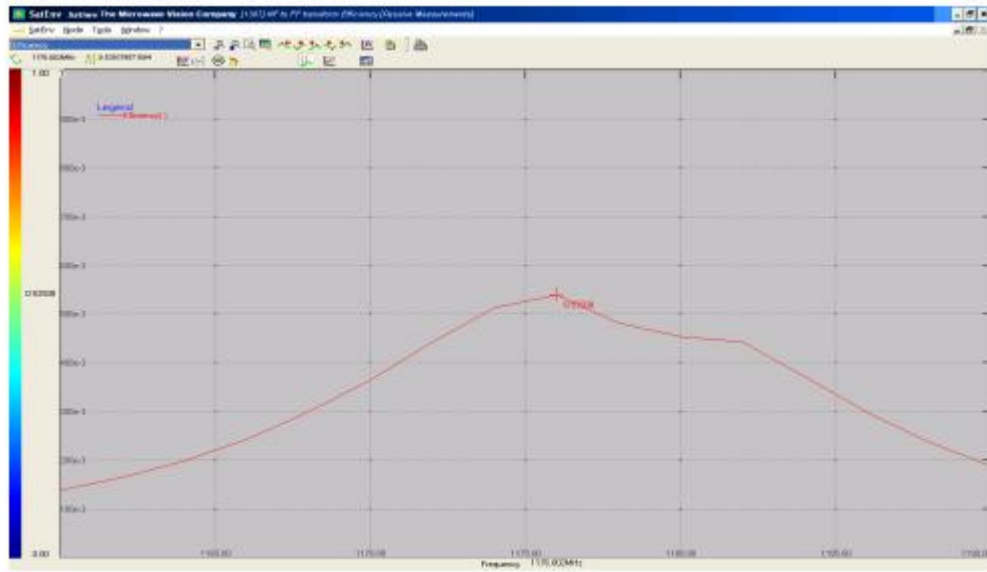
VSWR



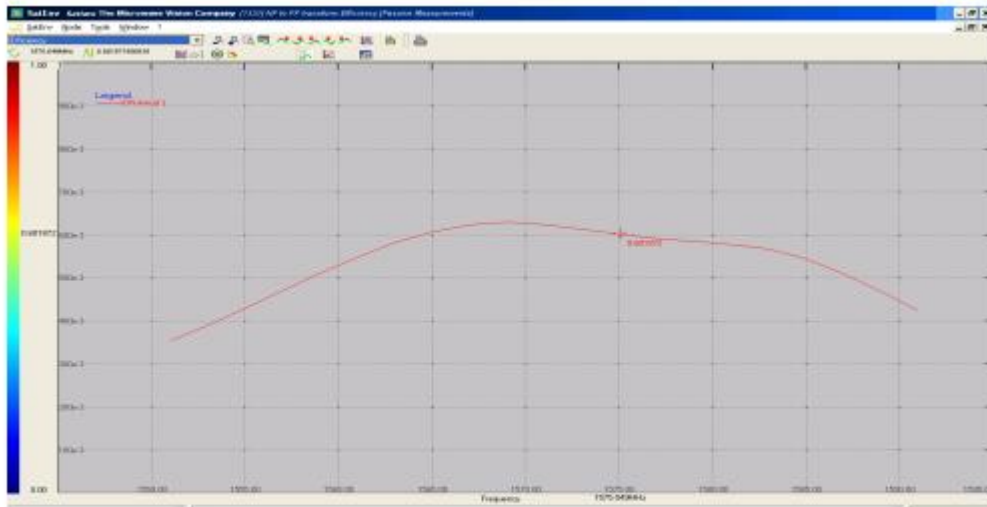
Frequency (MHz)	1176	1575
VSWR	1.43	1.61

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Efficiency



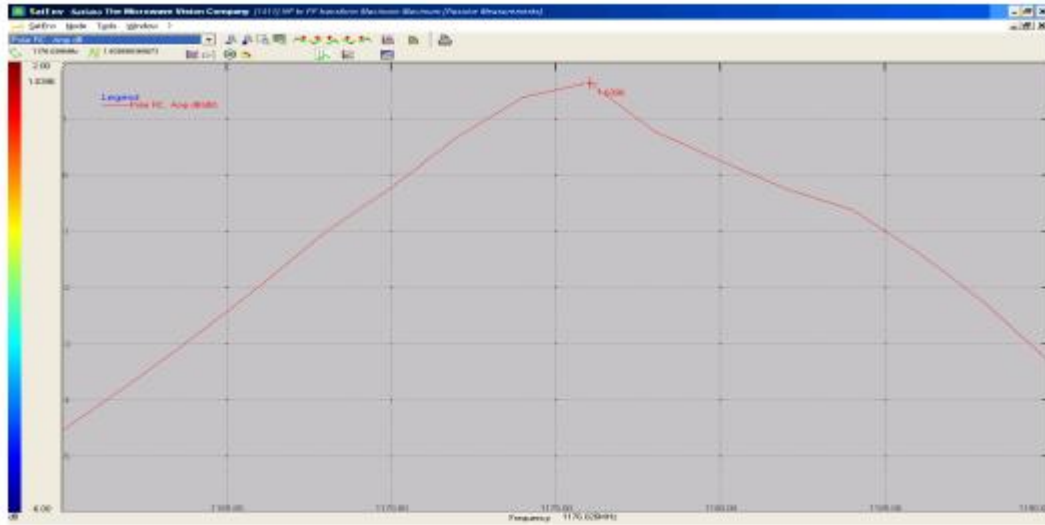
Frequency (MHz)	1176
Efficiency (%)	53.9



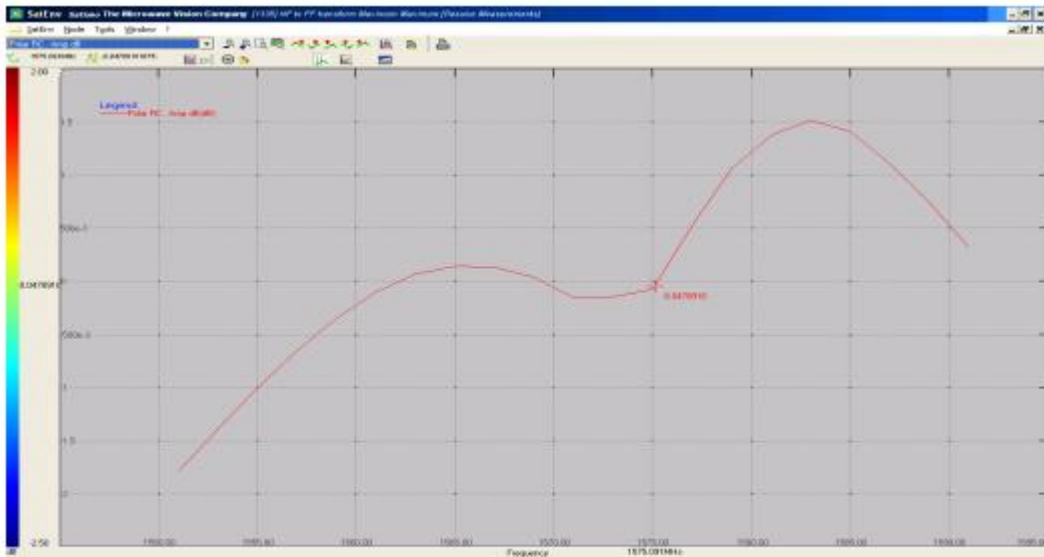
Frequency (MHz)	1575
Efficiency (%)	60.1

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Gain



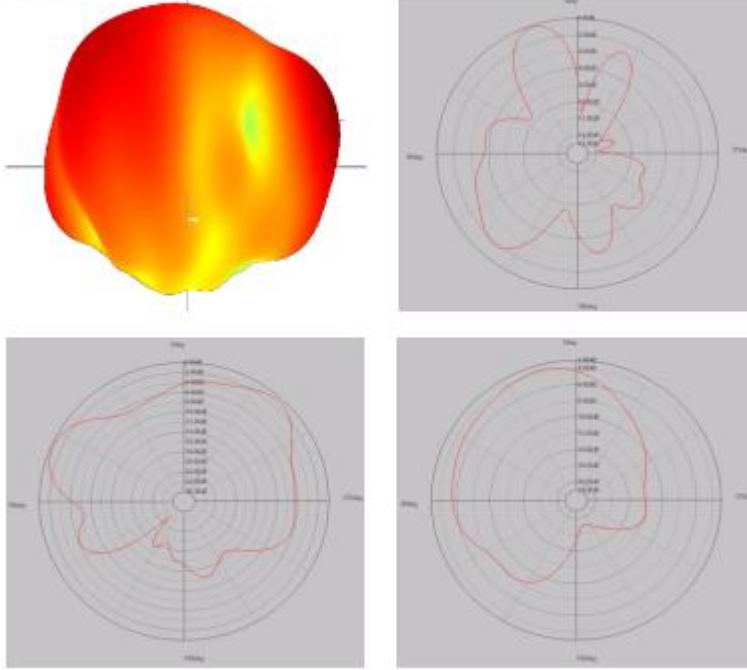
Frequency (MHz)	1176
Gain (dBi)	1.63



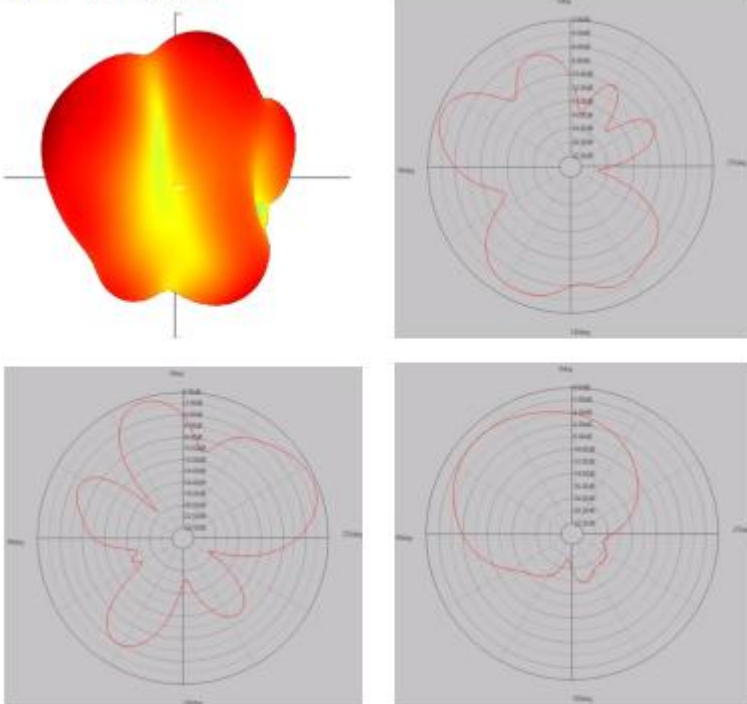
Frequency (MHz)	1575
Gain (dBi)	0

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GPS-1176MHz



GPS-1575MHz



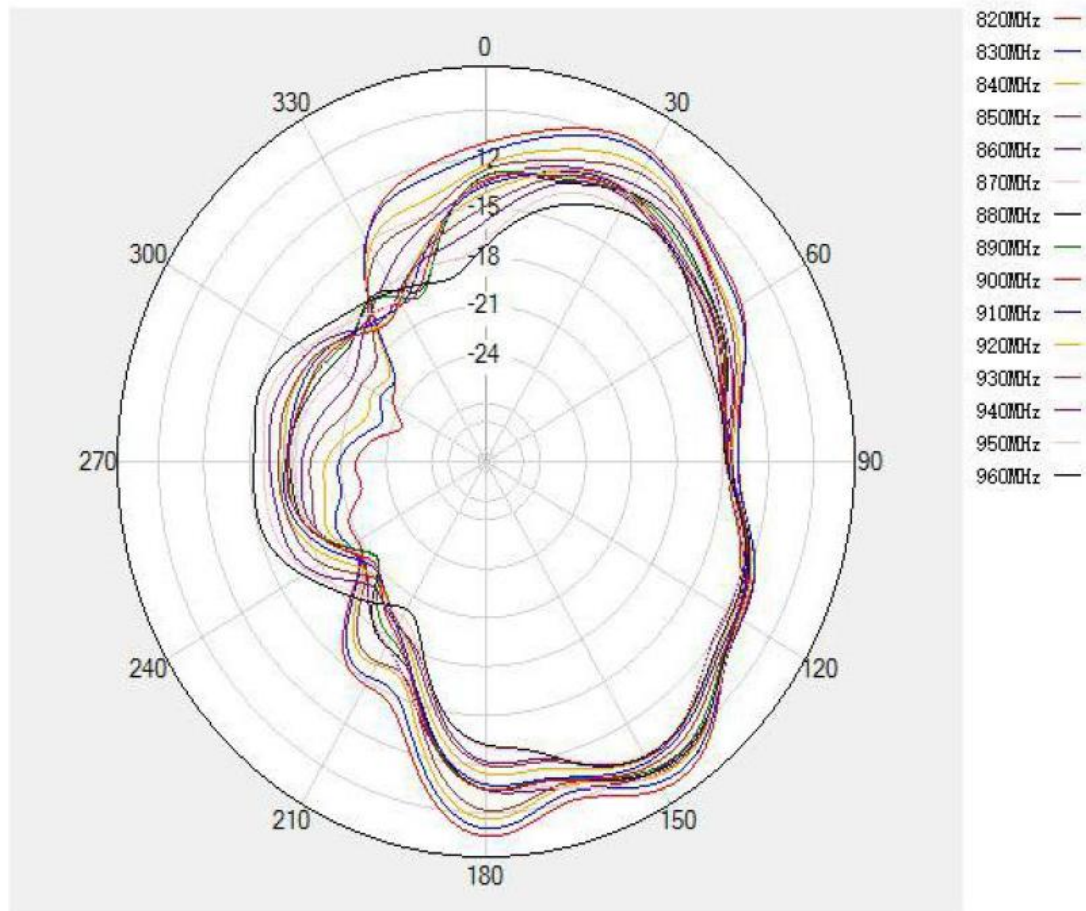
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Network antenna

Antenna Performance Table							
		Channel No.	TRP (dBm)			TIS (dBm)	
WCDMA	W2	L	19.47				
		M	18.85				
		H	18.64			-103.91	
	W5	L	13.46				
		M	14.07				
		H	14.85				-96.57
LTE	FDD B2	L	19.16				
		M	19.04				
		H	18.32			-91.56	
	FDD B4	L	16.83				
		M	18.65				
		H	18.48				-90.03
	FDD B12	L	14.62				
		M	14.16				
		H	14.28				-83.42

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

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