

Red Point Information Technology (Shenzhen) Co., Ltd.

Specification description: 5.8G copper tube antenna 1.13 black wire, total
length 82mm first generation terminal

Model: DR-SF270C

Red Point Information Technology (Shenzhen) Co., Ltd.

Address: Room 302, No. 65, Fumao New Village, Sanlian Community, Longhua Street,
Longhua District, Shenzhen City

Product drawings

REV.	CHANGE DESCRIPTION	DATE	SIGNATURE
A1	New	2020.02.19	Joe

Technical requirements:

- Electrical parameters:
 - 1.1 Impedance : 50Ω
 - 1.2 Frequency : 5150-5850MHz
 - 1.3 VSWR : < 2.5 (Installed test)
 - 1.4 Peak Gain : 2dBi
 - 1.5 Polarization : Linear
 - 1.6 Radiation Pattern: Omni directional
- Mechanical properties:
 - 2.1 Storage Temperature Range: -40 TO +85° C
 - 2.2 Operating Temperature Range: -40 TO +85° C
- All material must meet ROHS request
- Mark(Δ) as the key control dimensions

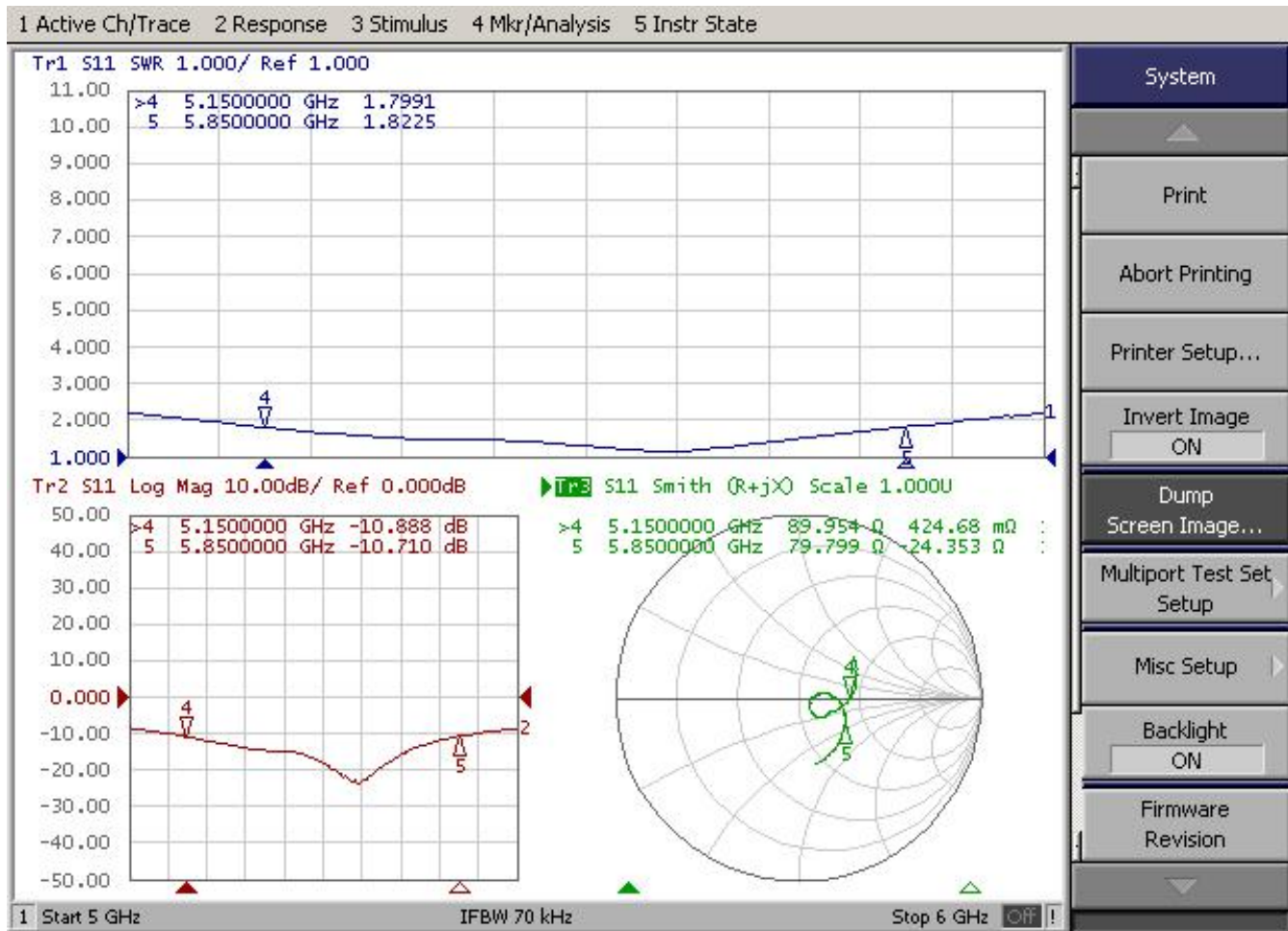
一代端子

NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY	UNIT	MATERIAL	TOLERANCE	AS DIMENSION	SCALE : 1 : 1	DWG TYPE: PRODUCT DRAWING
⑥			1	PCS		.XXX ±0.05			
⑤			1	PCS		.XX ±0.1			
④	BRASS	BRASS Φ5	1	PCS		.X ±0.2			
③	H.S.S	COLOR:BLACK	1	PCS		XX ±0.25			
②	CABLE	Φ1.13 50Ω COLOR:BLACK	1	PCS		XXX ±1			
①	IPEX	IPEX MHF1 TO 1.13	1	PCS		±2			
NO.									

红点信息科技有限公司 (深圳) 有限公司			
DRAWN BY	Joe	PART NO. :	HD09N132-82
CHECKED BY	Mike	TITLE:	
APPROVED BY	Sky	5.8G铜管天线 1.13黑色线, 总长82mm	
CAD FILE:		一代端子	

Passive performance test parameters

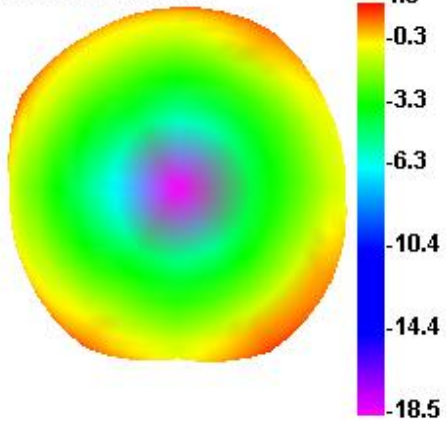
Frequency(MHz)	5150	5850
VSWR	1.7991	1.8225



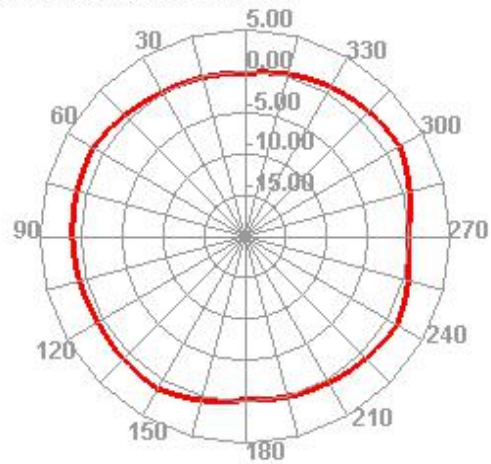
2D, 3D performance graphs

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	73.9	-1.31	1.76
5220	69.12	-1.6	1.4
5290	64.32	-1.92	1.05
5360	64.59	-1.9	0.98
5430	73.62	-1.33	1.32
5500	66.44	-1.78	0.88
5570	67.85	-1.68	1.11
5640	61.96	-2.08	1.02
5710	60.83	-2.16	1.05
5780	61.95	-2.45	1.35
5850	62.14	-2.07	1.23

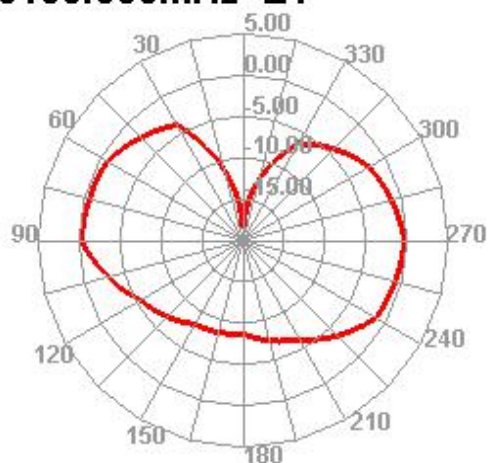
5150.000MHz



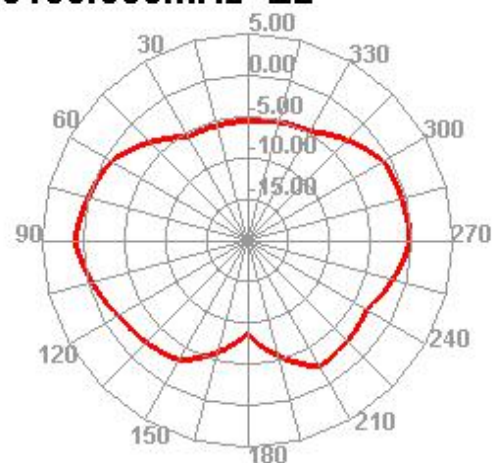
5150.000MHz H



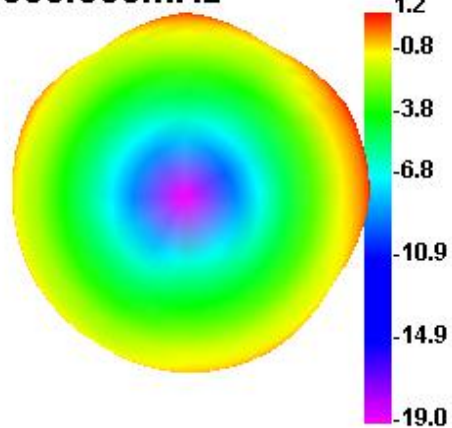
5150.000MHz E1



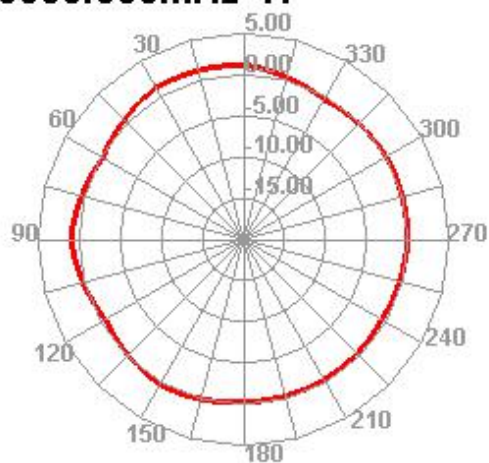
5150.000MHz E2



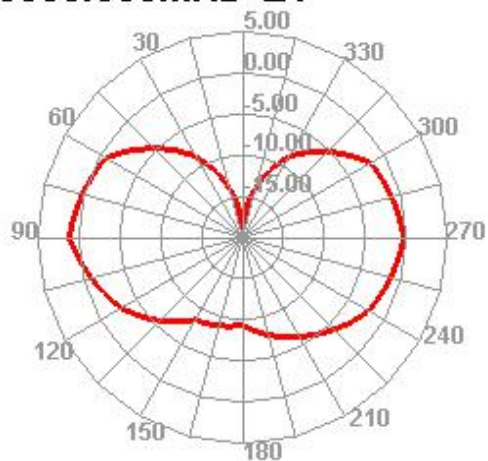
5850.000MHz



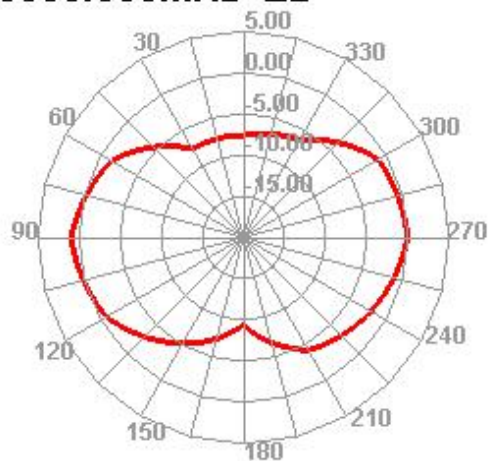
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



Electrical performance parameters

名称 项目	5G 天线	Name	5G Antenna
频率范围（MHz）	5150~5850	Frequency（MHz）	5150~5850
带宽（MHz）	700	Bandwidth（MHz）	700
极化方式	线极化	Polarization Type	linear polarization
天线增益（dBi）	1.76	Gain（dBi）	1.76
辐射方向	全向	Radiation Pattern	Omni directional
电压驻波比	≤2.5	VSWR	≤2.5
输入阻抗（Ω）	50	Input Impedance（Ω）	50
电缆线长度（mm）	82	Cable length（mm）	82
电缆线颜色	黑色	Cable Colour	Black
接口形式	IPEX	Connector Type	IPEX MHF1
工作温度（℃）	-40~+85	Operation temperature（℃）	-40~+85
存储温度（℃）	-40~+85	Store temperat（℃）	-40~+85