

SPECIFICATION FOR APPROVAL

Product: Connect_PG1830CR-5.8G-1 green 1.13RF Cable+Iplex, L=45mm

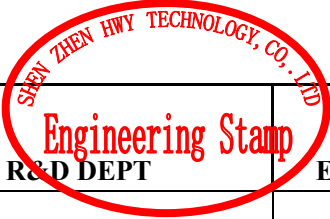
Model: HWY-58PCB-2B-1641

Part Number: 32030139

Written By : Xianjiang Yang

Issued Date: 2023.8.4

HWY:

 R&D DEPT	ENGINEER R&D DEPT	APPROVED
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Change resume

[illegible]

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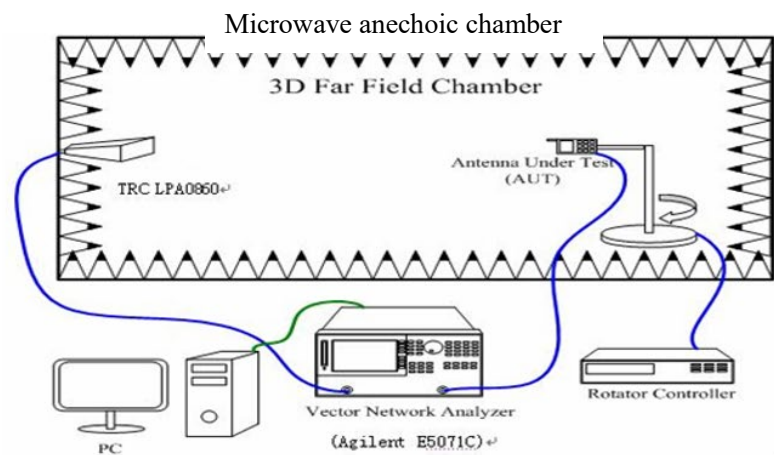
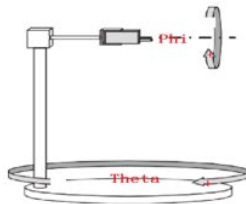
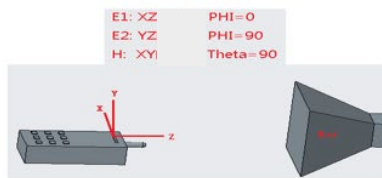
The basic parameters:

A. Electrical Characteristics	
Frequency	5.15 ~5.85GHz
VSWR	≤ 2.0
Efficiency	>40%
Impedance	50 Ohm
Polarization	Linear
Gain	See the test report for details
Radiation	omnidirectional
B. Mechanical parameters	
Cable Type	1.13mm black
Connector Type	I-pex
Dimension	L=45mm
Antenna Colour	green
C. Operating/ Storage Temperature	
Operation Temperature	- 20 °C ~ + 65 °C
Storage Temperature	- 40 °C ~ + 80 °C

Test Equipment & Conditions

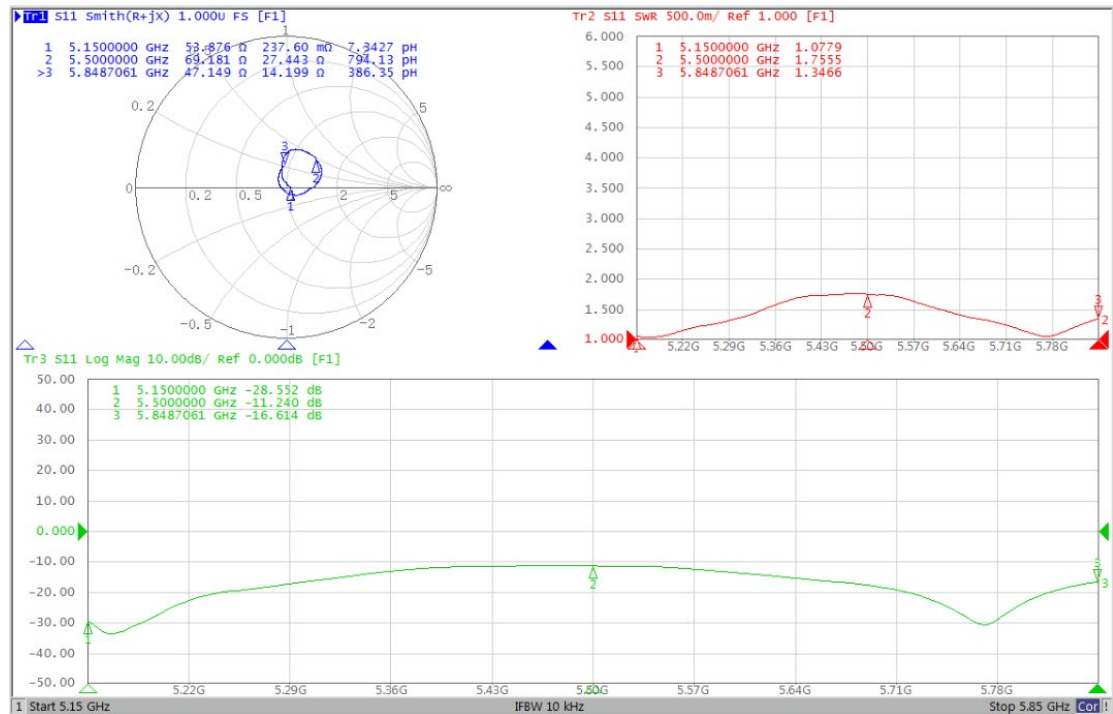
1. Network Analyzers :HP8753D
2. Communications Test Set:
3. 3D Chamber Test System:

network analyzer:HP8753D



Test Data:

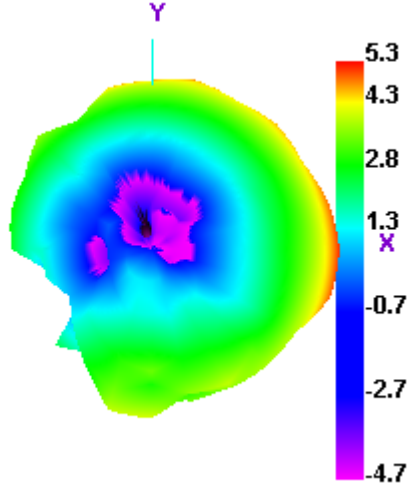
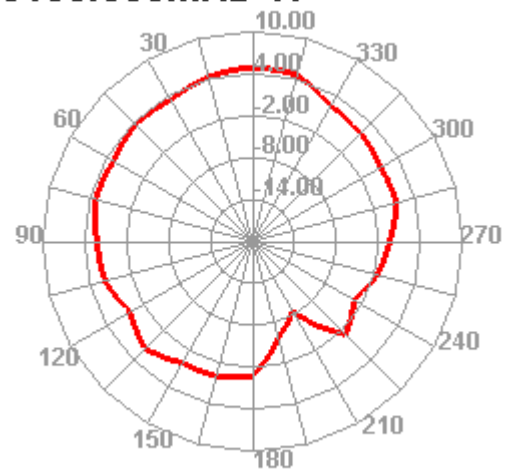
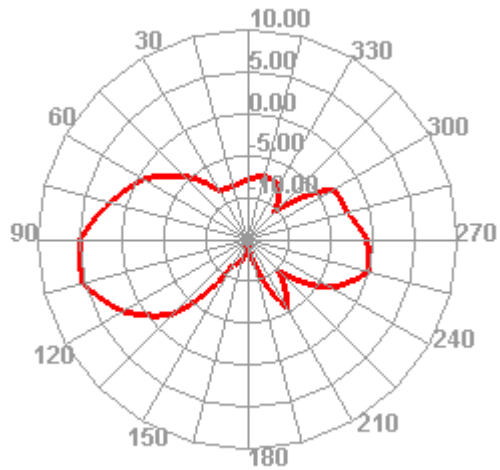
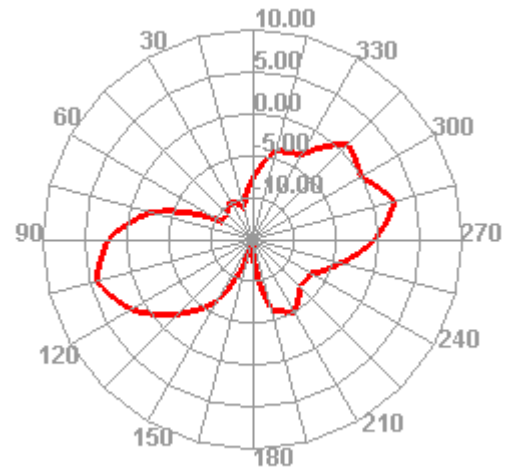
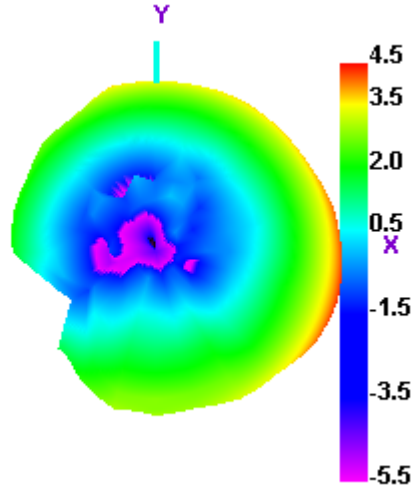
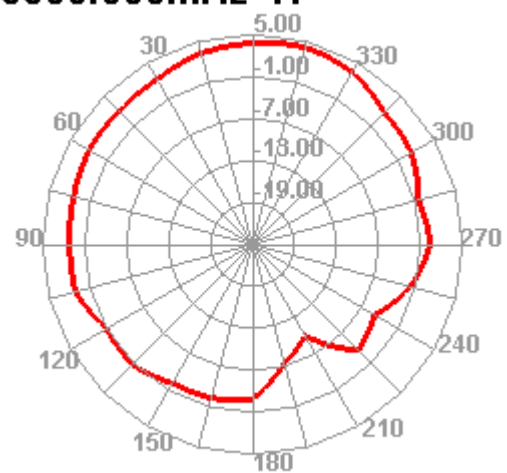
Reflection loss/ VSWR

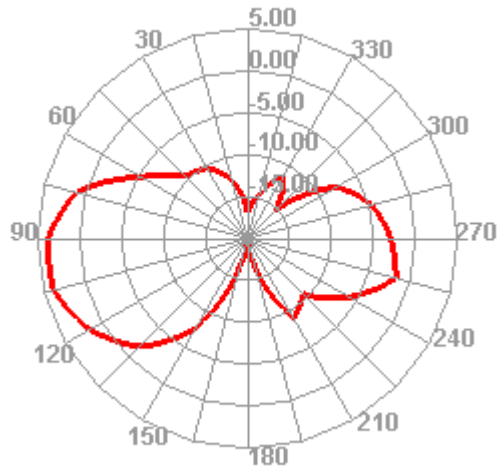
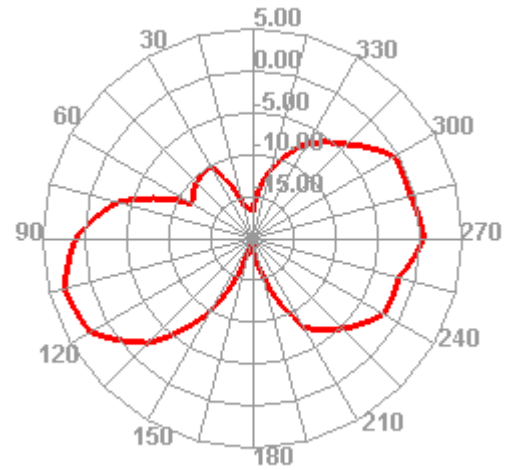
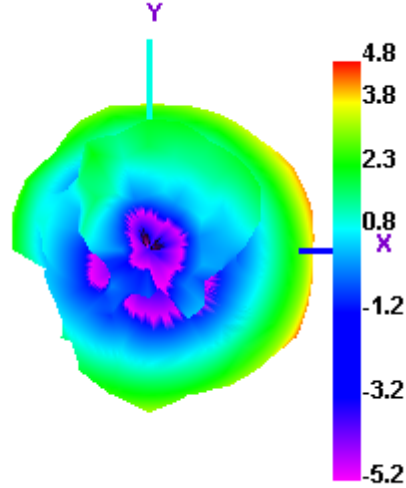
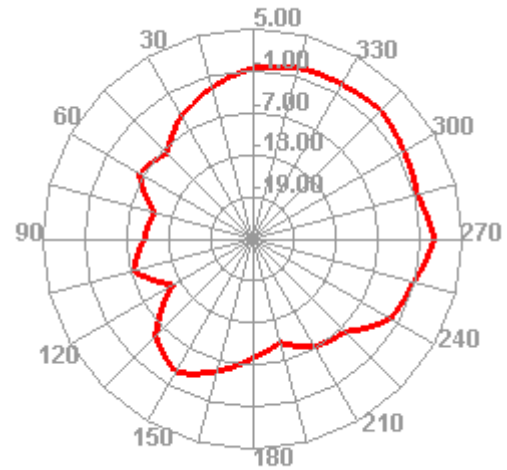
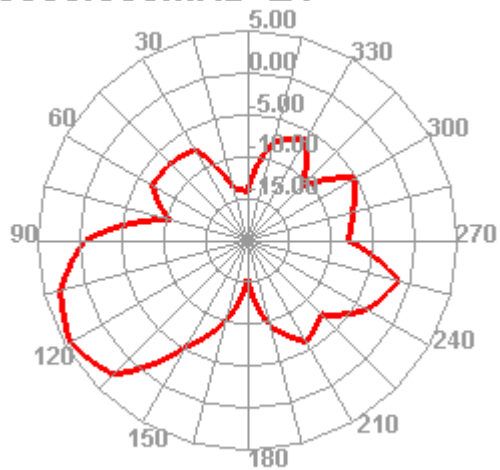
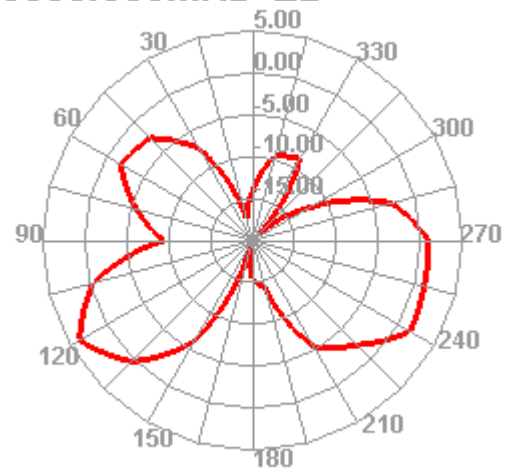


Efficiency&Gain:

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
5150	76.35	-1.17	5.28	3.13
5200	71.31	-1.47	4.94	2.79
5250	71.74	-1.44	4.99	2.84
5300	70.82	-1.5	5.01	2.86
5350	68.24	-1.66	4.82	2.67
5400	63.94	-1.94	4.44	2.29
5450	62.85	-2.02	4.31	2.16
5500	61.15	-2.14	4.52	2.37
5550	63.36	-1.98	4.81	2.66
5600	63.56	-1.97	4.98	2.83
5650	63.38	-1.98	4.86	2.71
5700	55.56	-2.55	4.15	2
5750	54.42	-2.64	4.09	1.94
5800	54.72	-2.62	4.35	2.2
5850	59.13	-2.28	4.82	2.67

Patten

5150.000MHz**5150.000MHz H****5150.000MHz E1****5150.000MHz E2****5500.000MHz****5500.000MHz H**

5500.000MHz E1**5500.000MHz E2****5850.000MHz****5850.000MHz H****5850.000MHz E1****5850.000MHz E2**

Antenna picture:

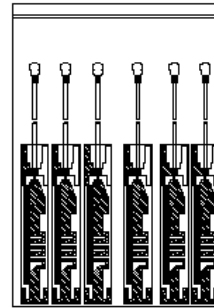


Product packaging specification

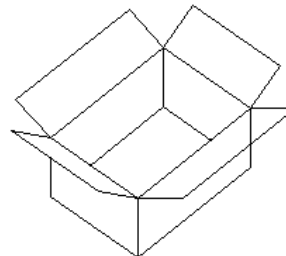
Product name:	External antenna
Description:	Except for customer special requirements
version :	V0



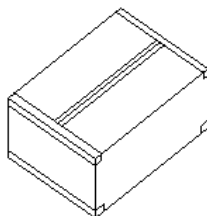
1. Antenna finished product



2. Antenna finished products are packed in PE bags. The quantity is subject to the actual situation.



3. Put the installed antenna into a cardboard box (subject to the actual quantity).



4. Seal the box and affix our company's label or a label as specified by the customer on the outside.