

acknowledgement

SPECIFICATION FOR APPROVAL

Customer Name CUST OMER: _____

Customer Material number CUS PART NO: _____

Name and specification: PART NAME: 902-928MHz FPC antenna

Top Point Material No.: TPT PART NO: DD300006770

edition: _____ 1.0 _____

Customer signature: Date: year month date

purchase department	engineering department	ratify

Vertex Technology: Date: January 2, 2024

engineering department	sales department	ratify
Zhang Yulong		Li Chao

Shenzhen Vertex Technology Co., LTD
Vertex Technology Xiangyang Co., LTD

Note: after recognizing a copy, please reply (or copy) to us, the rest will be kept by your company.
If an order for this specification is placed before the signature letter (or copy) is returned to us, we are sure that you have fully acknowledged it.

Please return one specification or one copy of it with your chop and signature of approval and retain the others for your record. In the event of an order being placed for this part number before the chop and signed with specification (or copy) is returned and without special explanation, it will be assumed that full approval have been given.

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specification

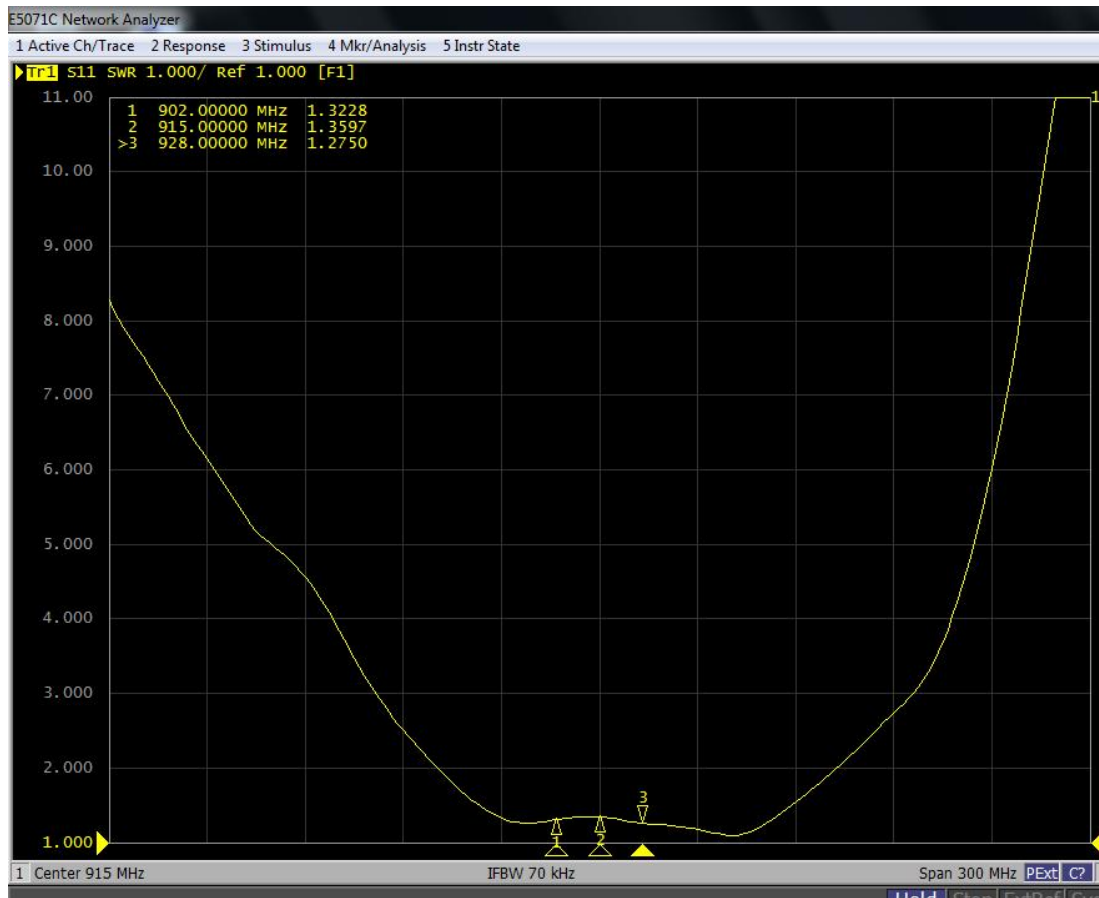
一、 Product Drawing (for reference only)



二、 Product Parameter

Product name: Name	902-928 MHz antenna	Model number Model Type	DDA-U902 / 928-1670
Electrical parameter ELECTRICAL SPECTFICATIONS		Mechanical parameter MECHANICAL SPECTFICATIONS	
Frequency range of FrenquencyRange	902 - 928 MHz	Height of Height	/
Bandwidth of Band Width	26MHz	Connector: Connector Type	IPEX
Input the impedance of Impedance	50 Ω	Housing material: Radome Material	/
VSWR	2.0	Shell color Radome Color	/
Gain of Gain	3.56 dBi	Lead length is Cable Length	160 \pm 5mm
Polarization mode Polarization linear	polarization	Operating temperature is Working Temperature	-45 $^{\circ}$ C ~ + 85 $^{\circ}$ C
Radiation direction Radiation full	direction	Storage temperature is Limit Temperature	-45 $^{\circ}$ C ~ + 85 $^{\circ}$ C
Power capacity of Power	50W	The coating thickness is	0.2um

三、standing-wave ratio



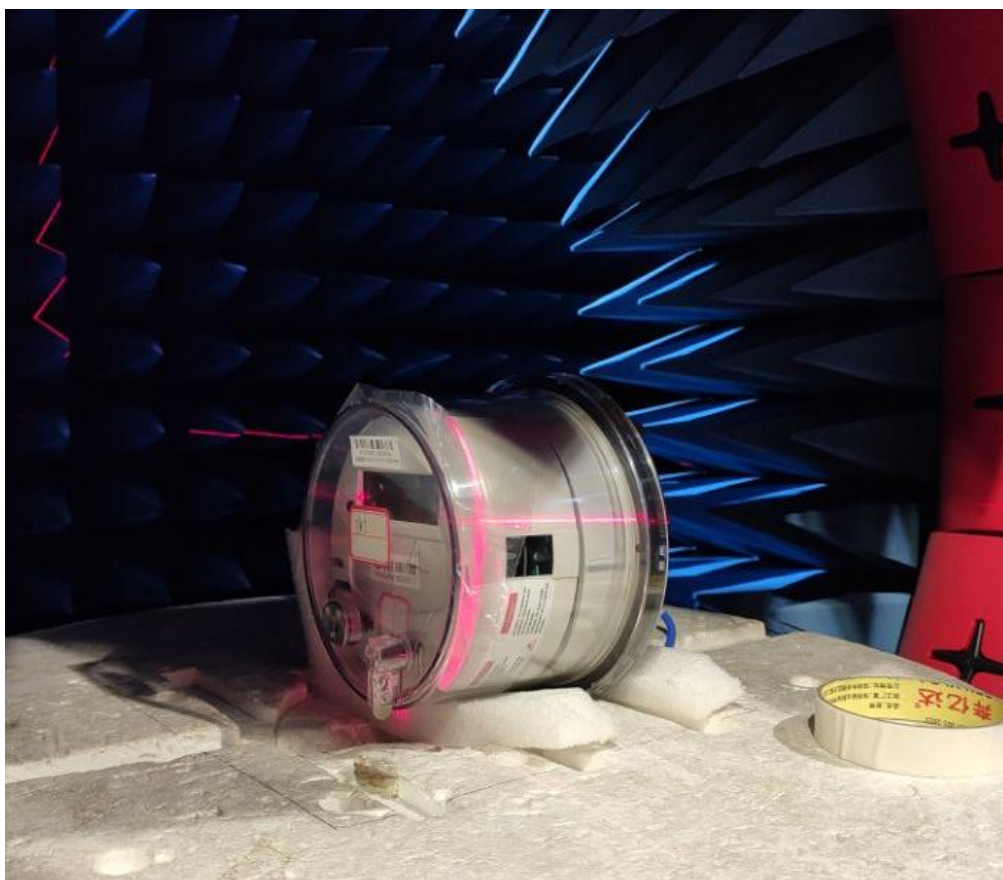
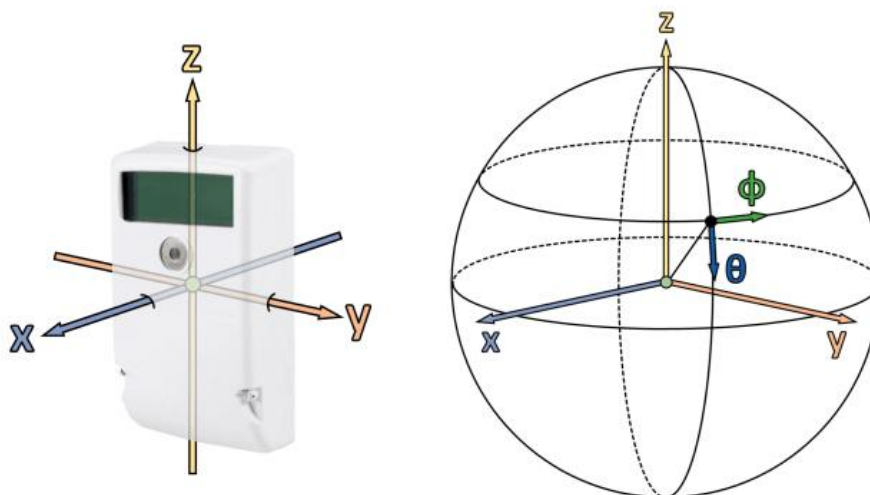
4. Gain, and efficiency

frequency (MHz)	gain (dBi)	product iveness (%)
902	3.35	69.62
903	3.41	69.96
904	3.44	69.05
905	3.49	70.56
906	3.51	70.63
907	3.53	70.93
908	3.53	70.19
909	3.56	70.88
910	3.56	70.22
911	3.55	70.19
912	3.54	70.30
913	3.55	70.73
914	3.54	70.79

frequency (MHz)	gain (dBi)	product iveness (%)
915	3.51	70.65
916	3.51	71.06
917	3.51	71.51
918	3.49	71.57
919	3.44	71.42
920	3.44	72.02
921	3.41	71.57
922	3.37	70.97
923	3.33	70.64
924	3.33	70.69
925	3.31	70.59
926	3.29	70.24
927	3.29	70.35
928	3.30	70.52

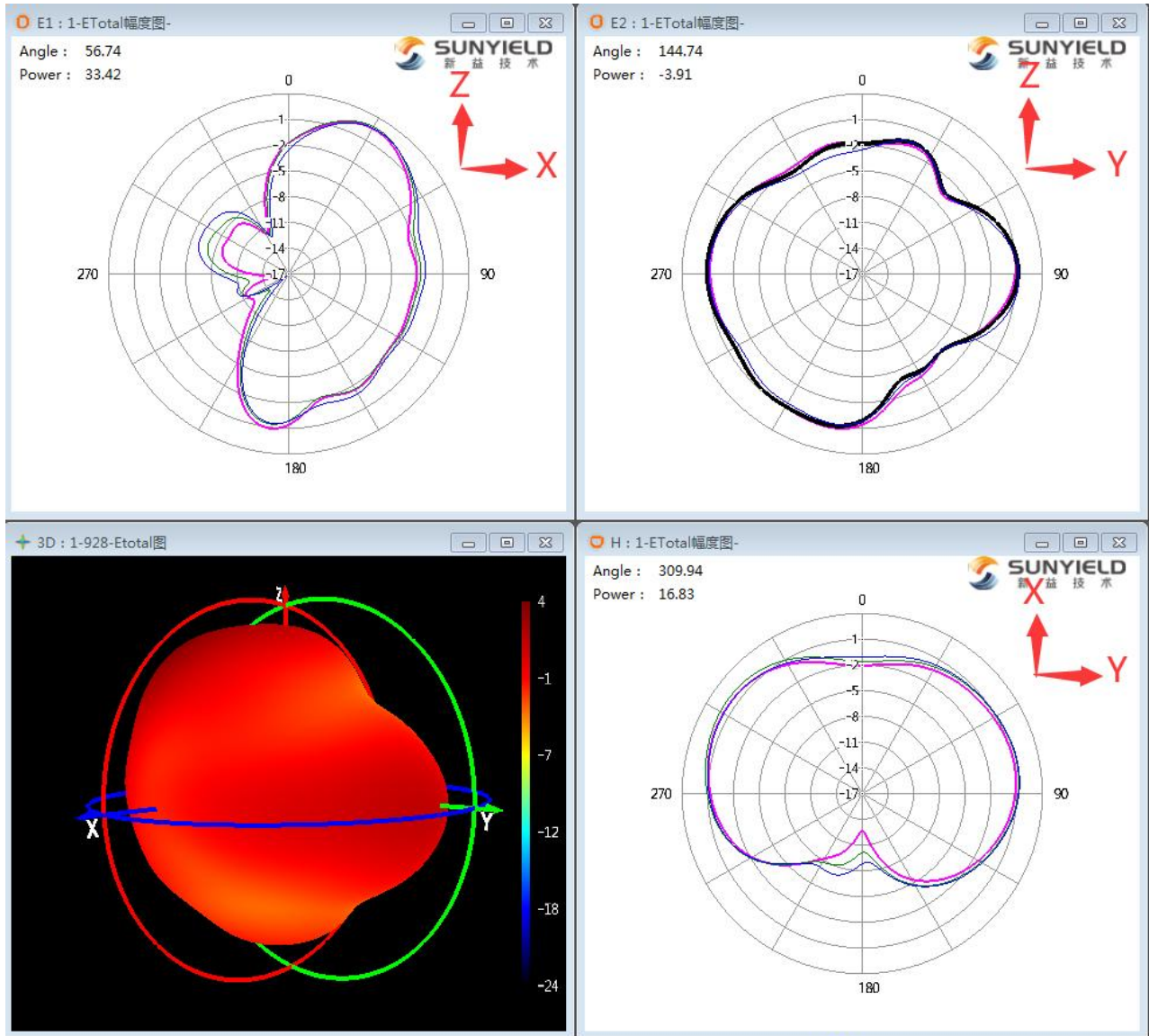
5. directional diagram

Coordinate system, please refer to the schematic diagram below



2D/3D pattern

E1: XOZ face E2: YOZ face H: XOY face



6. Product structure diagram

