

Product Datasheet

BL043-0001

WiFi Antenna

Key Features

WiFi PCB Antenna, MHF(BL I 代) TO

1.13mm 黑色+PCB, L=220mm



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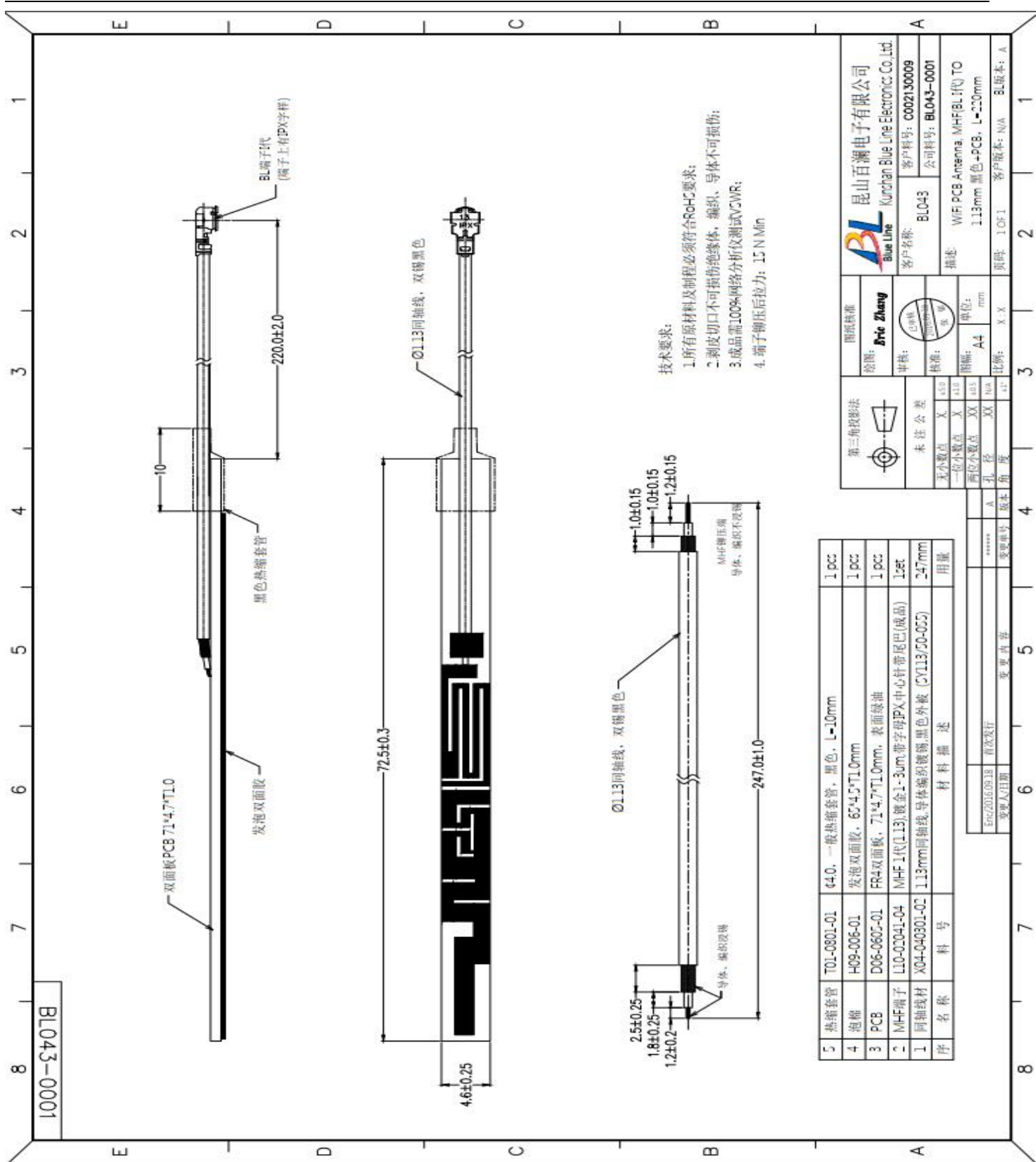
1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2400/2600MHZ
VSWR	2.0
Efficiency (%)	54.35%
Peak Gain (dBi)	2.03
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10

2. Material and environmental characteristics

Inner structure	Spring
Material of Plastic	N/A
Cable Type	1.13
Connector Type	IPEX 1
Dimensions (mm)	247MM
Antenna color	Black
Operation Temperature	-40 to +80
Storage Temperature	-40 to +80
Substance Compliance	ROHS

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4. Antenna test parameters

Antenna Measurement Conditions:

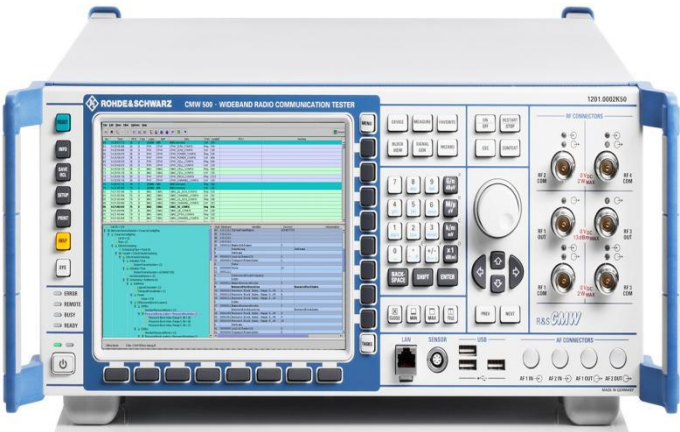
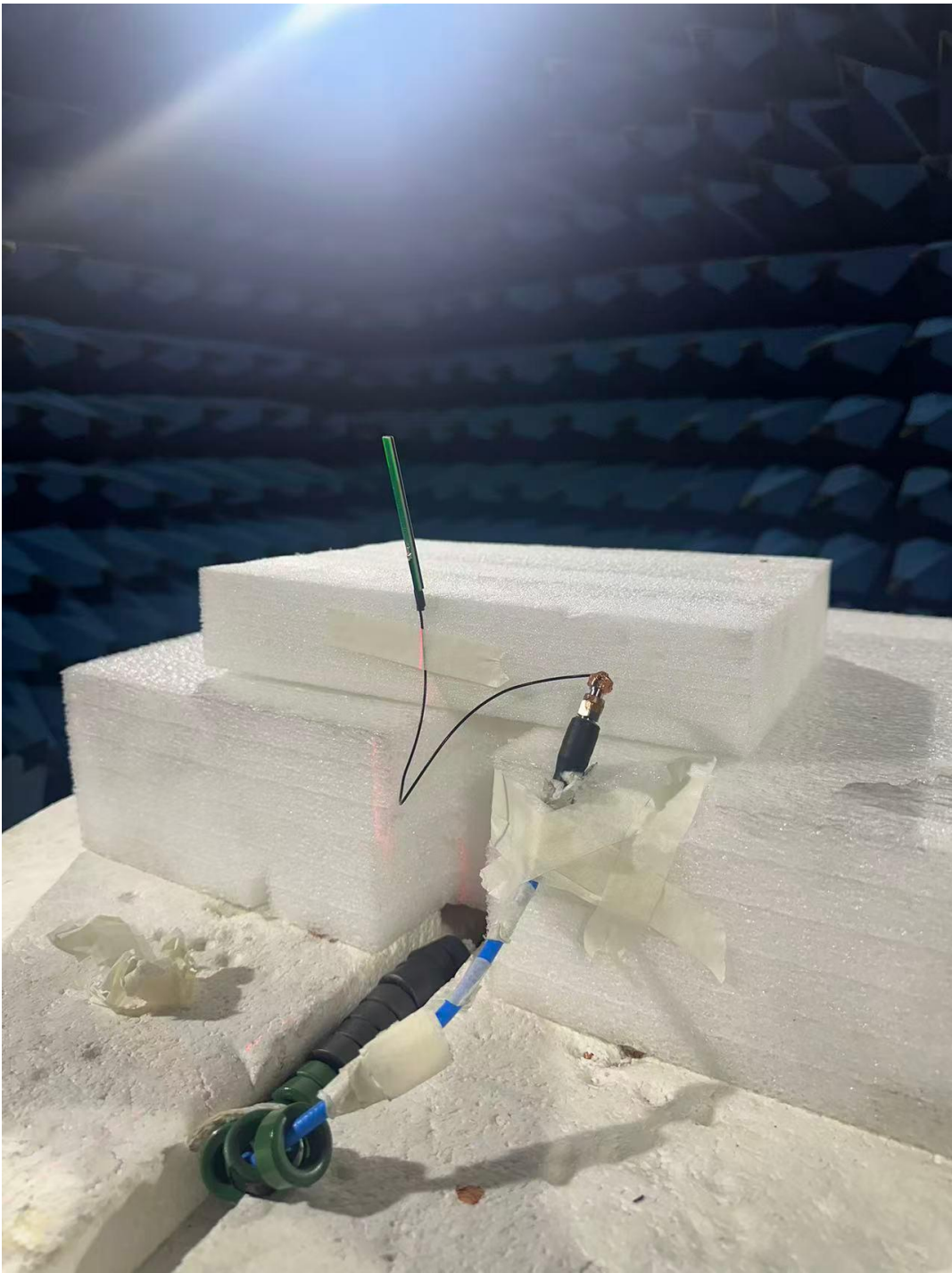
Mounted on Ground Plane of 280 x 80 mm

Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

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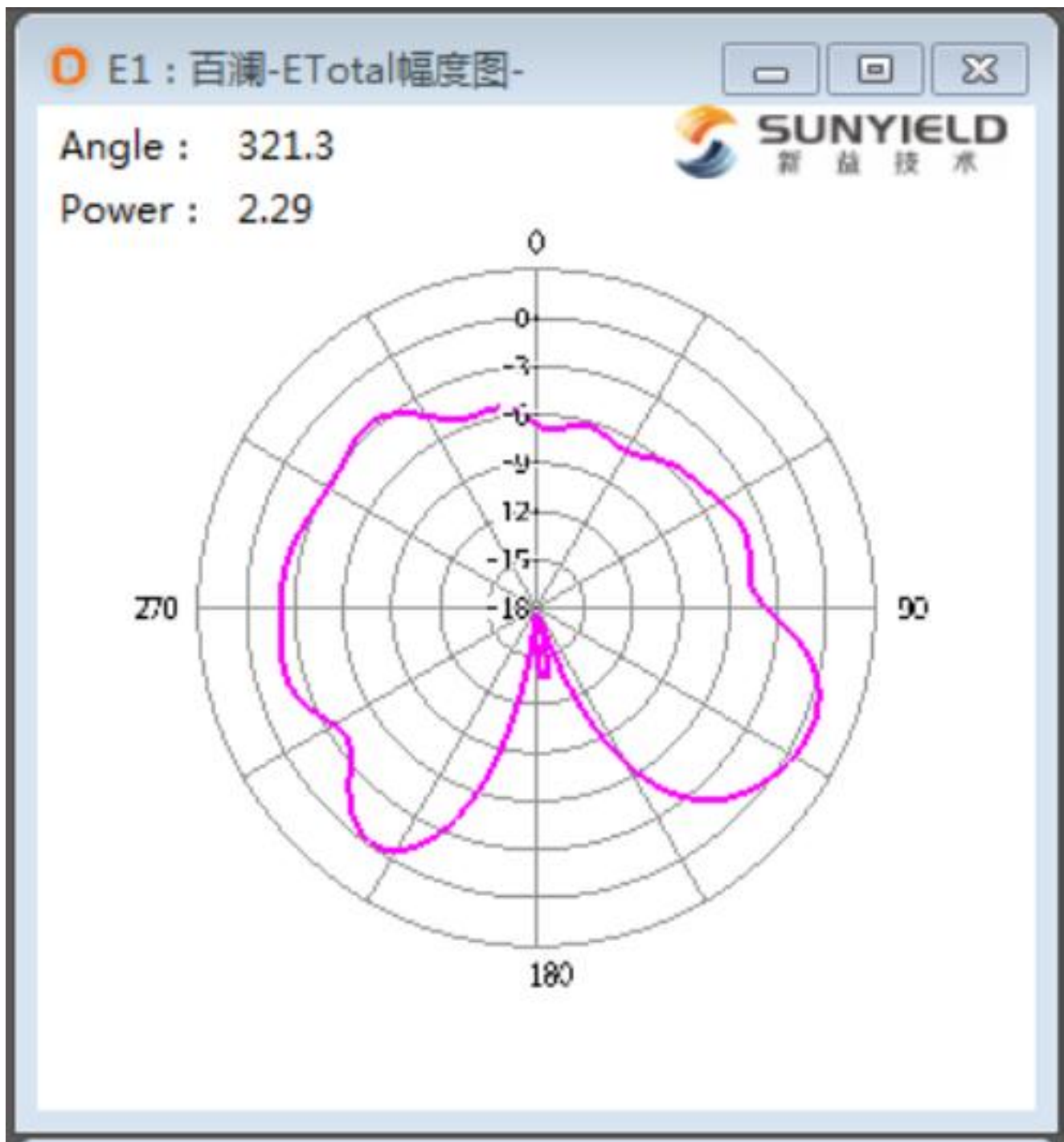


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4.1 VSWR

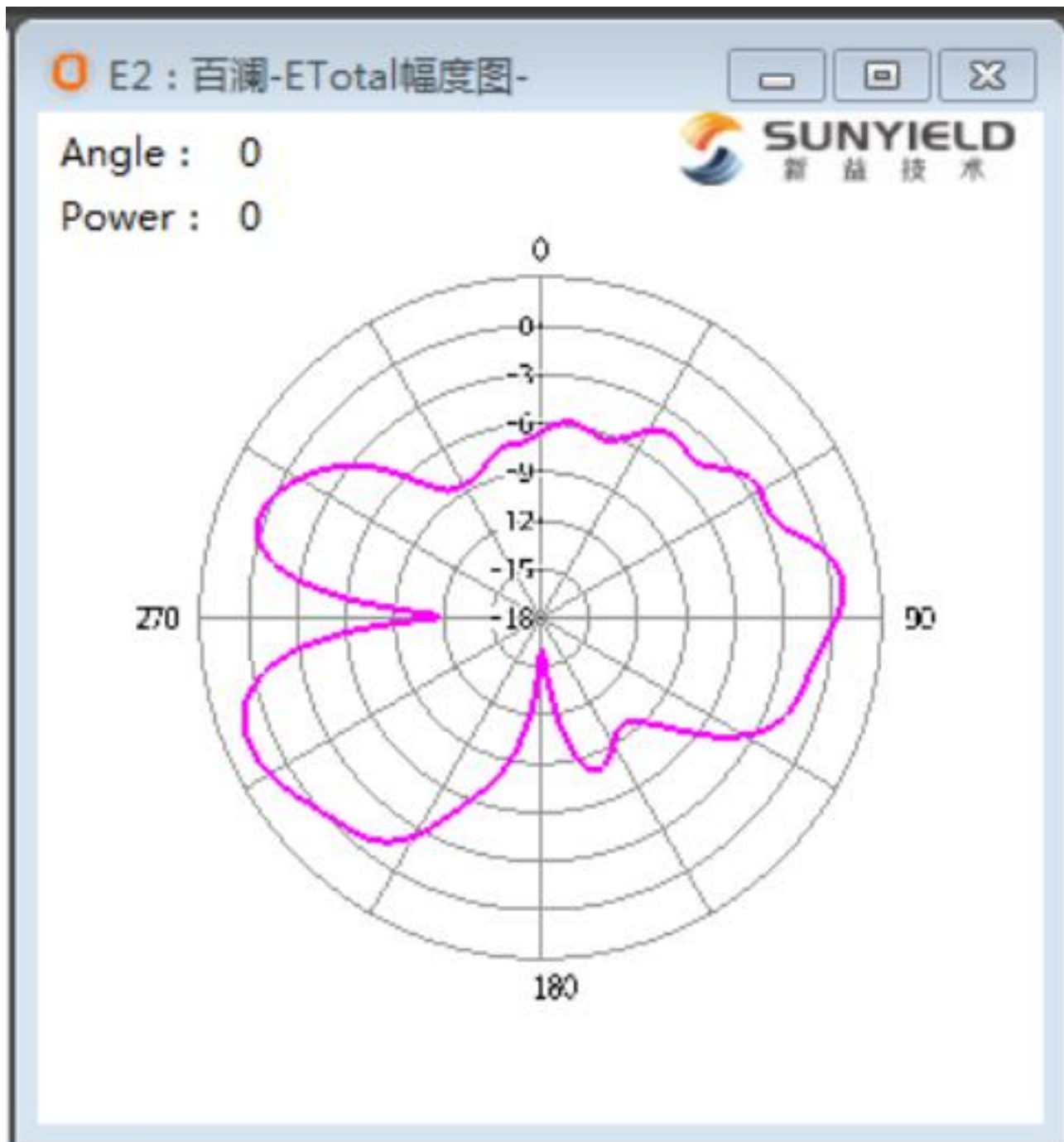


4.2 E1 幅度图



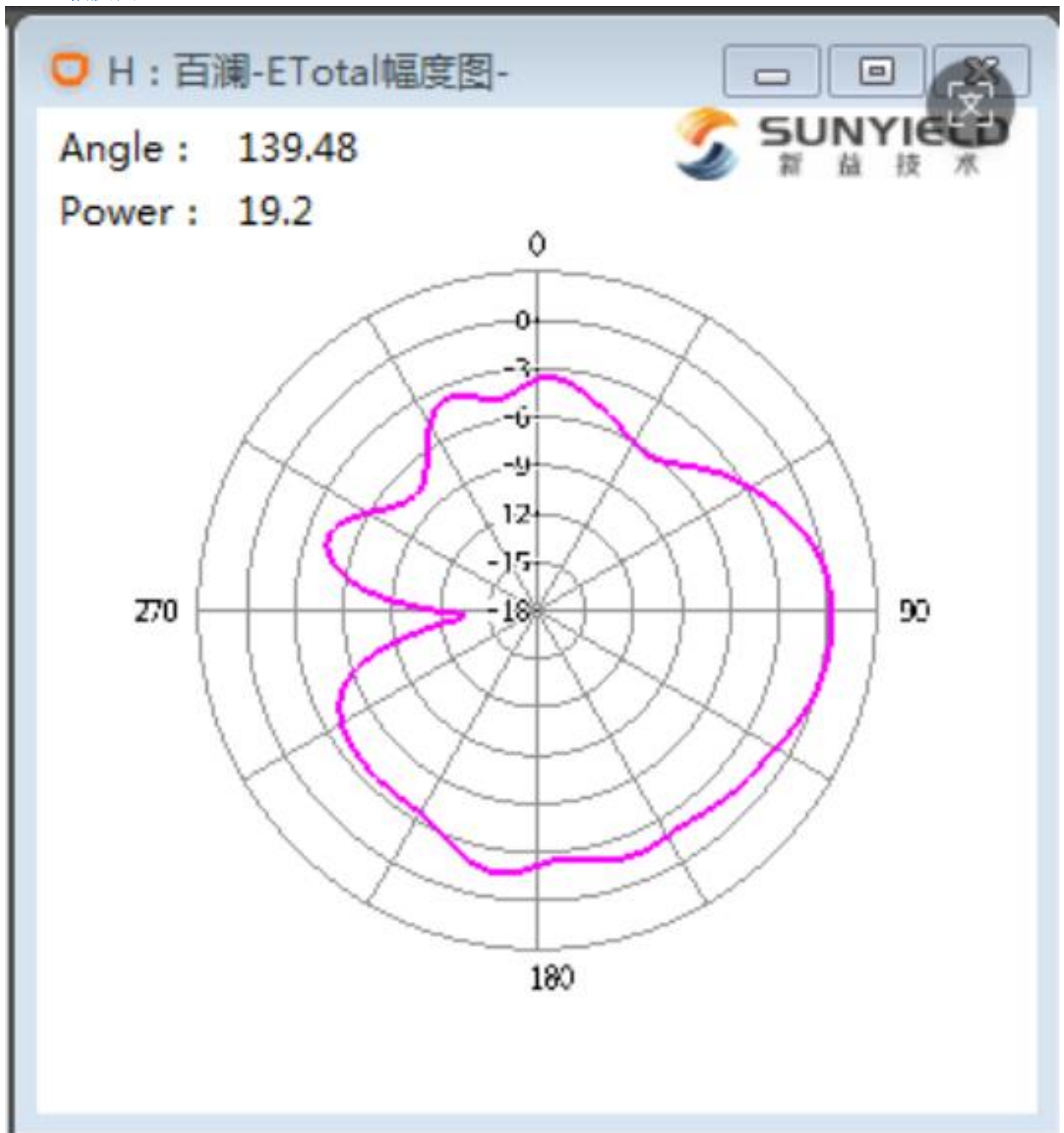
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4.3 E2 幅度图



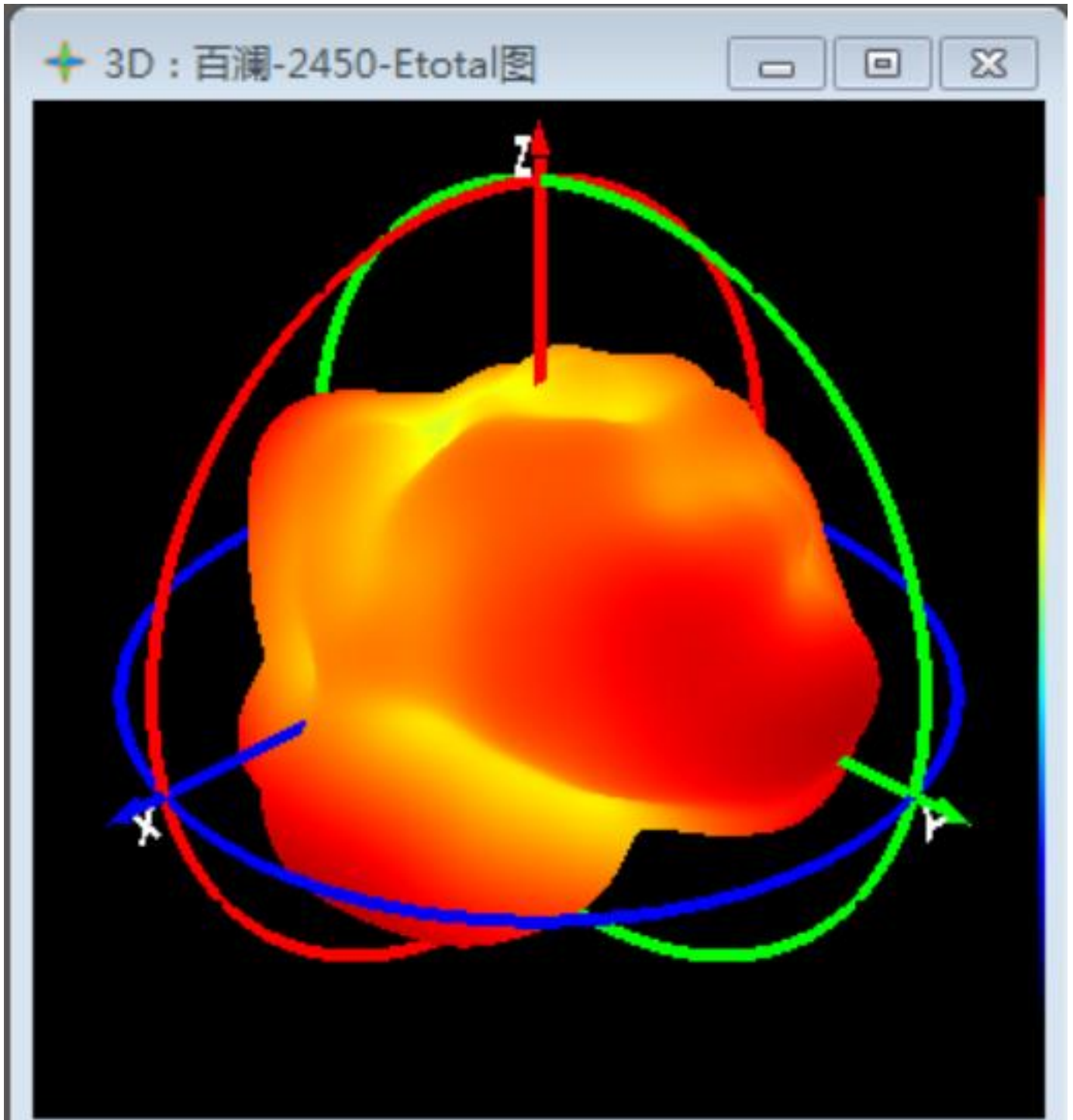
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4.4 H 幅度图



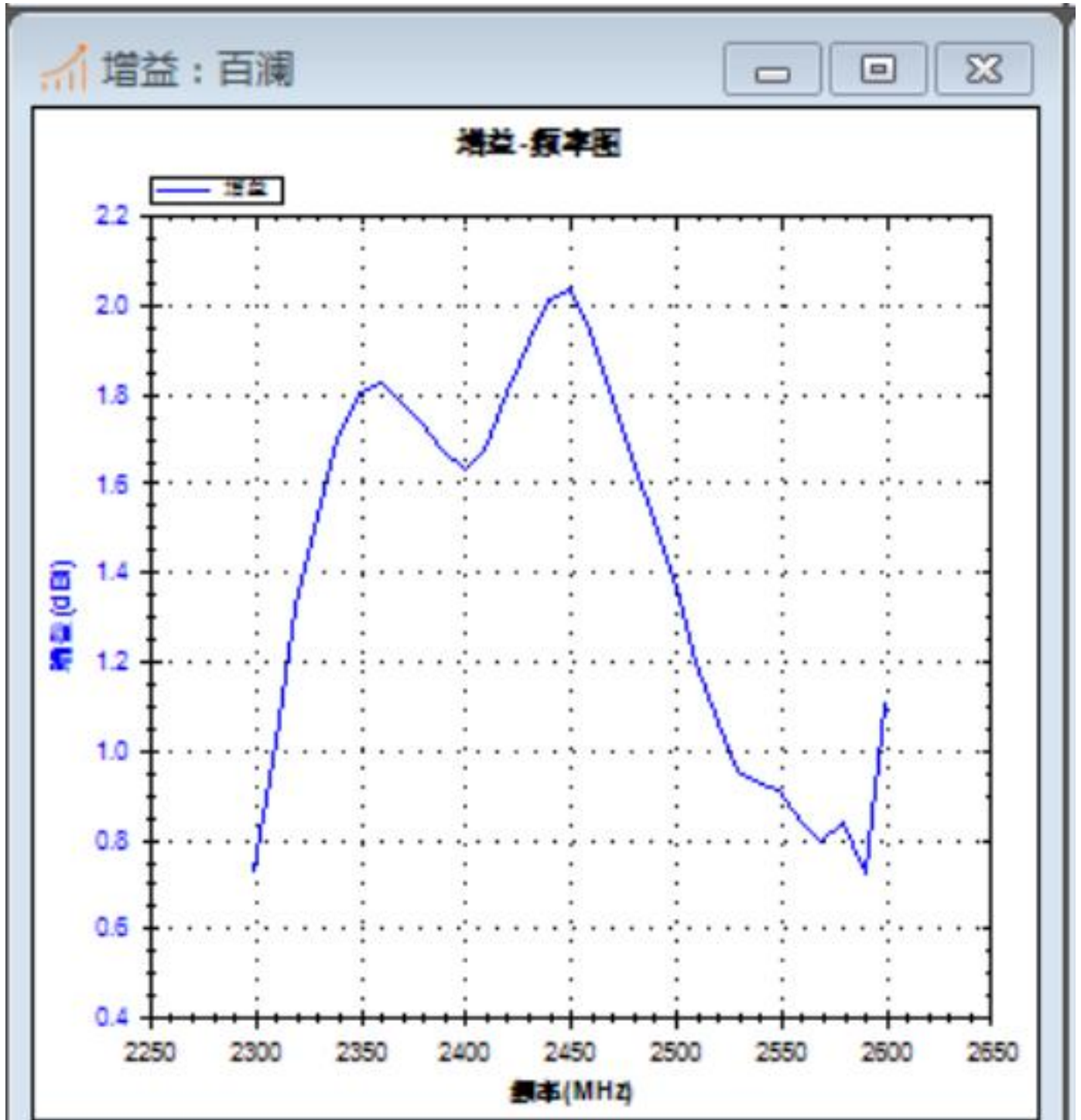
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4.5 3D 幅度图



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4.6 幅度图



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4.7 参数信息

频率 (MHz)	增益 (dBi)	效率 (dB)	效率(%)
2300	0.73	-3.52	44.5
2310	1.02	-3.33	46.42
2320	1.32	-3.07	49.37
2330	1.53	-2.9	51.3
2340	1.69	-2.77	52.8
2350	1.8	-2.68	53.97
2360	1.82	-2.65	54.35
2370	1.78	-2.65	54.27
2380	1.73	-2.67	54.12
2390	1.67	-2.69	53.85
2400	1.63	-2.72	53.43
2410	1.67	-2.71	53.52
2420	1.8	-2.68	53.94
2430	1.92	-2.64	54.5
2440	2.01	-2.59	55.09
2450	2.03	-2.56	55.48
2460	1.94	-2.57	55.31
2470	1.79	-2.63	54.63
2480	1.66	-2.68	53.98
2490	1.51	-2.72	53.5
2500	1.36	-2.77	52.88
2510	1.2	-2.86	51.72
2520	1.06	-2.97	50.43
2530	0.95	-3.05	49.5
2540	0.92	-3.07	49.31
2550	0.91	-3.07	49.29
2560	0.84	-3.09	49.11
2570	0.79	-3.06	49.46
2580	0.84	-2.98	50.4
2590	0.72	-3.02	49.88
2600	1.1	-2.77	52.85

参数信息：百澜

频率 (MHz)	增益 (dBi)	效率 (dB)
2300	0.73	-3.52
2310	1.02	-3.33
2320	1.32	-3.07
2330	1.53	-2.90
2340	1.69	-2.77
2350	1.80	-2.68
2360	1.82	-2.65
2370	1.78	-2.65
2380	1.73	-2.67
2390	1.67	-2.69
2400	1.63	-2.72
2410	1.67	-2.71
2420	1.80	-2.68
2430	1.92	-2.64