

	2026/05/12	Version No.	V2.0
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Shenzhen Rongshengyuan Technology Co., Ltd

PRODUCTSPECIFICATION

Customer	M5
Customer's part number	
Product Material Code	M5Stack Ant2.4G&5G
Working Band	2400-2500MHz; 5.15-5.85GHZ
Issue Date	2026-05-12
Release Version	V2.0
Author	Yang Ye

1 PRODUCT TECHNICAL SPECIFICATION

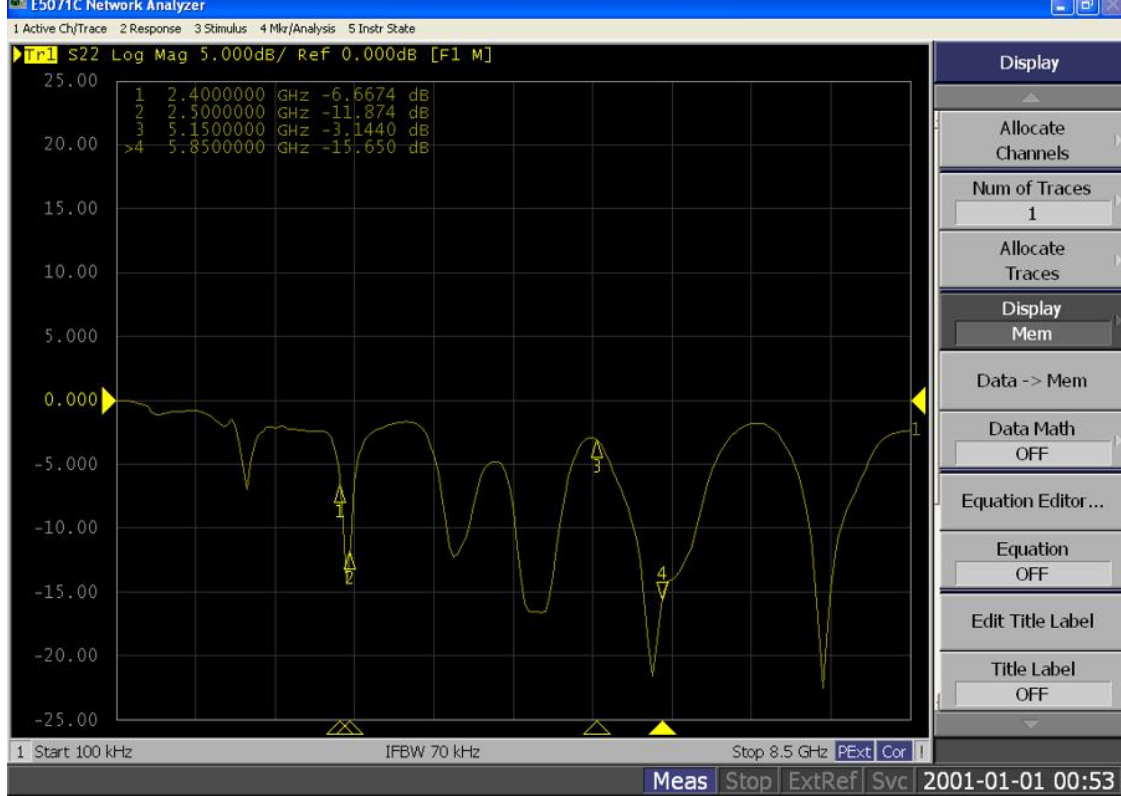
Electrical Specifications	
Frequency Range (MHz)	2400-2500; 5150-5850
Bandwidth (MHz)	100; 700
Input Impedence (Ω)	50
VSWR	2.4G VSWR<3 5G VSWR<5
Gain (dBi) Peakgain	4.75
Polarization Type	Vertical
Mechanical Specifications	
Antenna Length (mm)	14.3mm*5.3mm
Connection Mode	IPEX1+50mm1.13
Operatin Temp (°C)	-30~70
Storing Temp(°C)	-30~70
ANT Color	black

2 PRODUCT ELECTRICAL PERFORMANCE PARAMETER

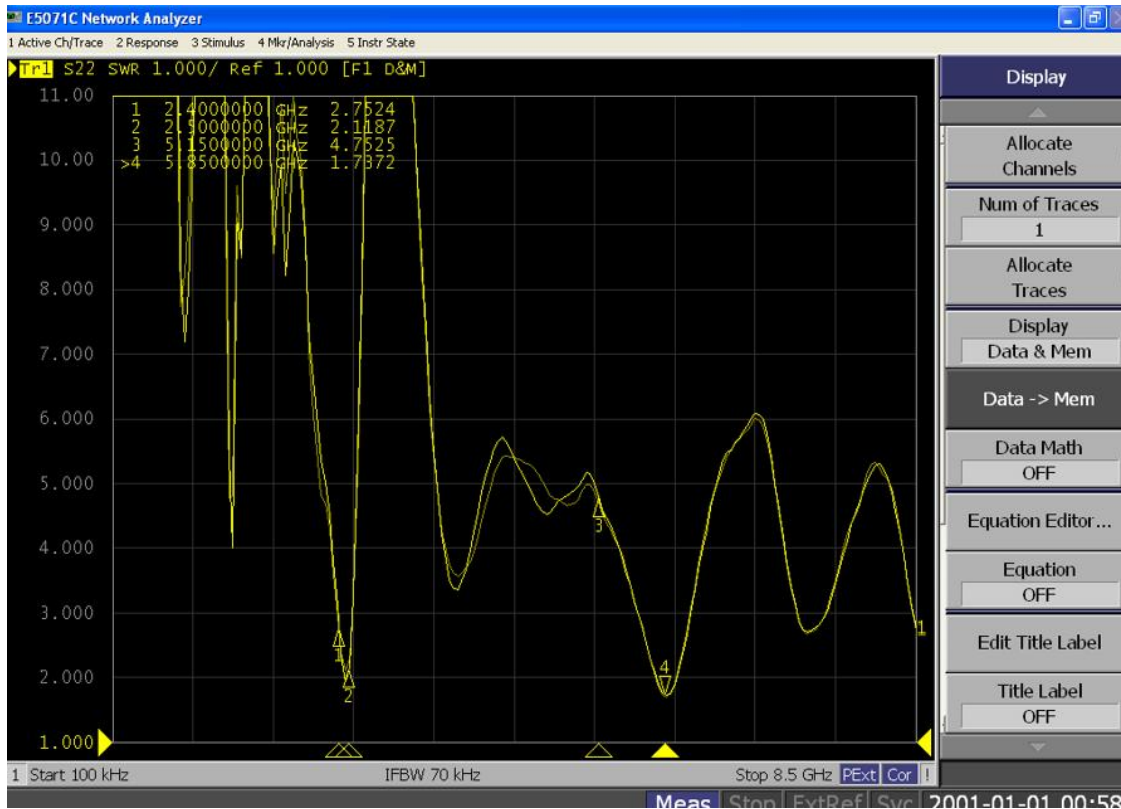
1. Product picture



2.2 S11

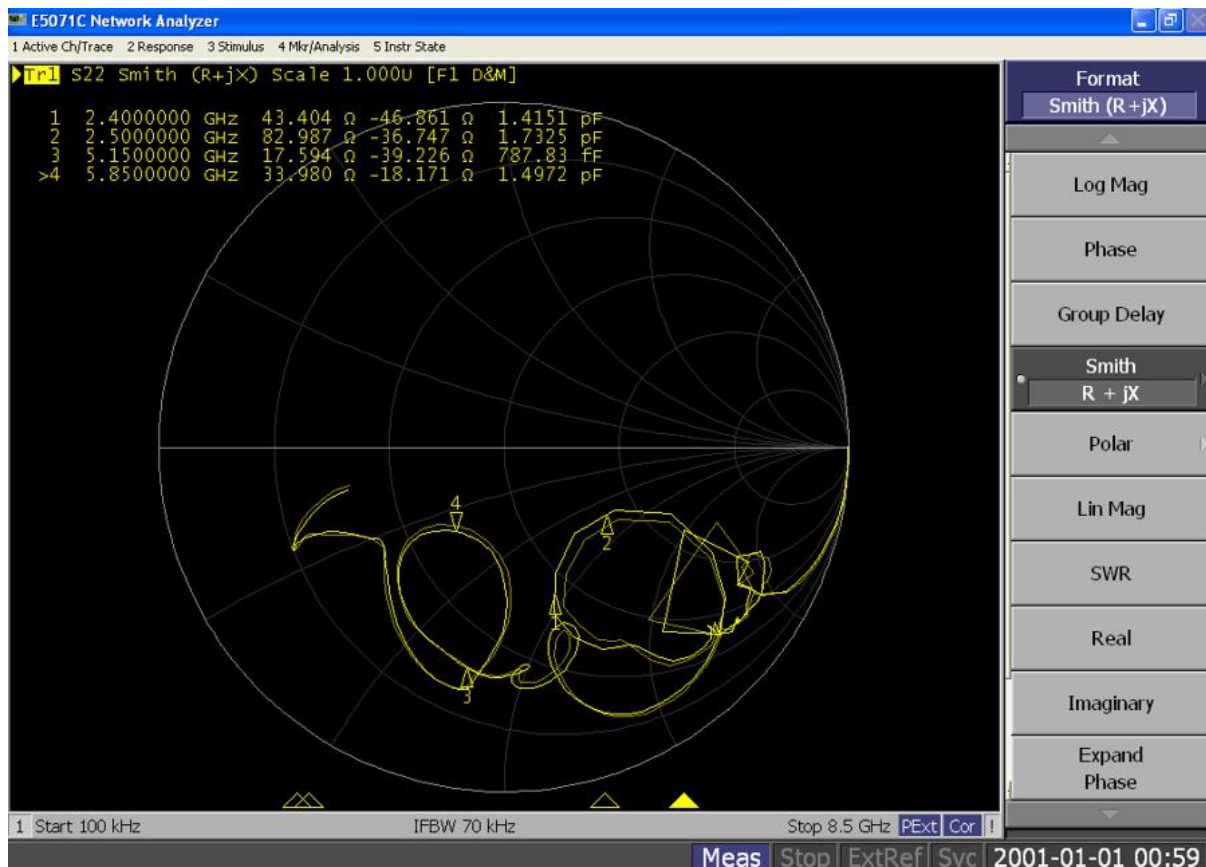


2.3 VSWR



2.4 Smith Cha

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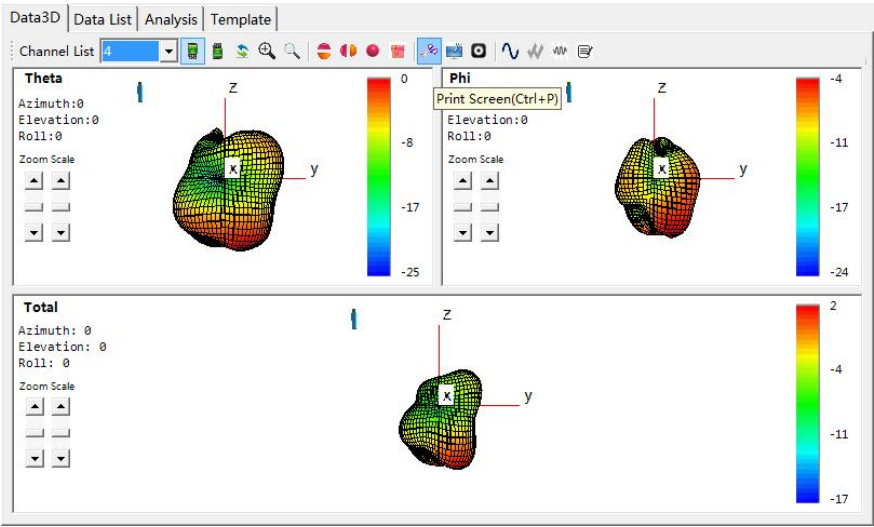


2.5 Efficiency/Gain/VSWR

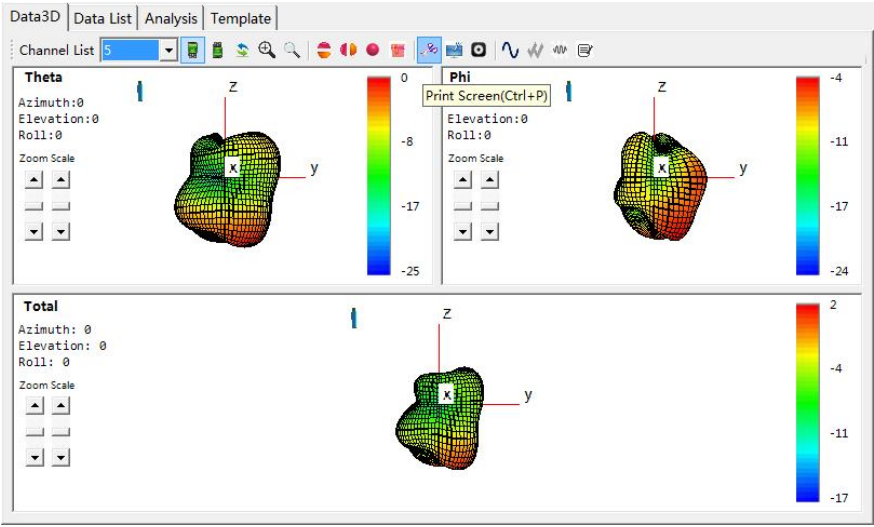
Freq	VSWR	Gain	Efficiency_d B	Efficiency_P cent
2390	2.76	1.66	-4.40	36.30
2410	2.76	2.11	-4.01	39.74
2430	2.62	1.23	-4.86	32.65
2450	2.34	1.77	-4.33	36.92
2470	2.24	1.93	-4.44	35.99
2490	2.11	1.91	-4.53	35.22
2510	2.02	1.19	-5.10	30.88
5150	4.75	0.59	-4.32	36.98
5200	4.23	0.21	-4.55	35.06
5250	4.01	0.99	-4.56	35.03
5300	3.82	0.35	-4.30	37.12
5350	3.64	0.63	-4.18	38.16
5400	3.39	0.61	-4.73	33.65
5450	3.01	2.14	-3.94	40.37
5500	2.78	2.85	-4.41	36.21
5550	2.48	2.31	-3.86	41.15
5600	2.21	1.91	-3.60	43.67
5650	2.08	2.54	-3.11	48.92
5700	1.96	4.08	-2.44	57.02
5750	1.85	3.29	-2.82	52.24
5800	1.8	2.85	-2.86	51.80
5850	1.73	2.42	-2.88	51.53

2.6 Radiation pattern

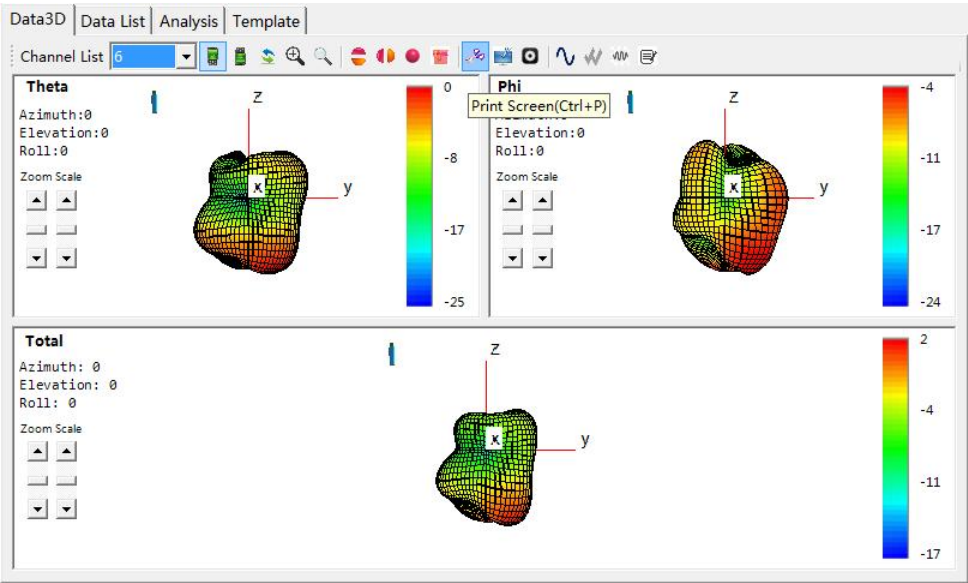
2400



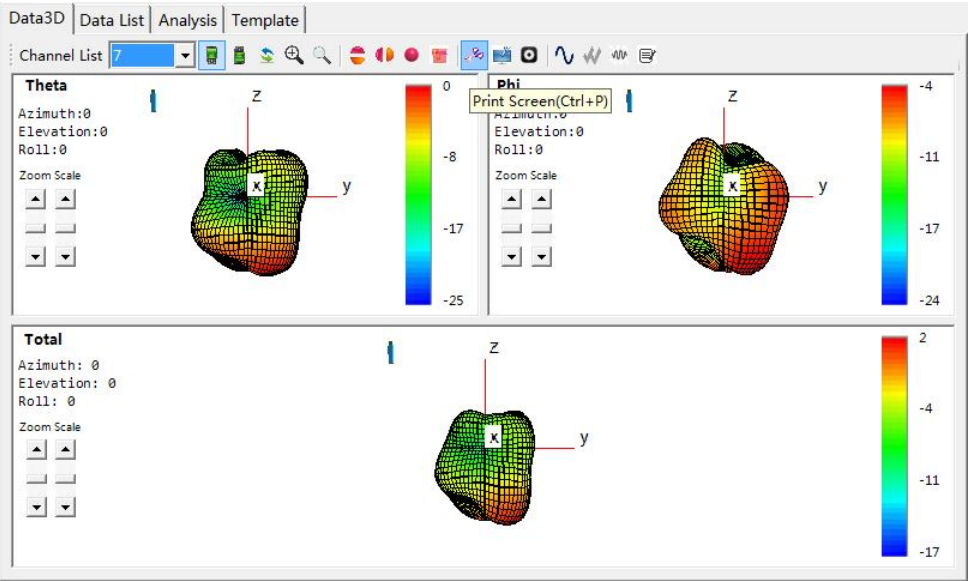
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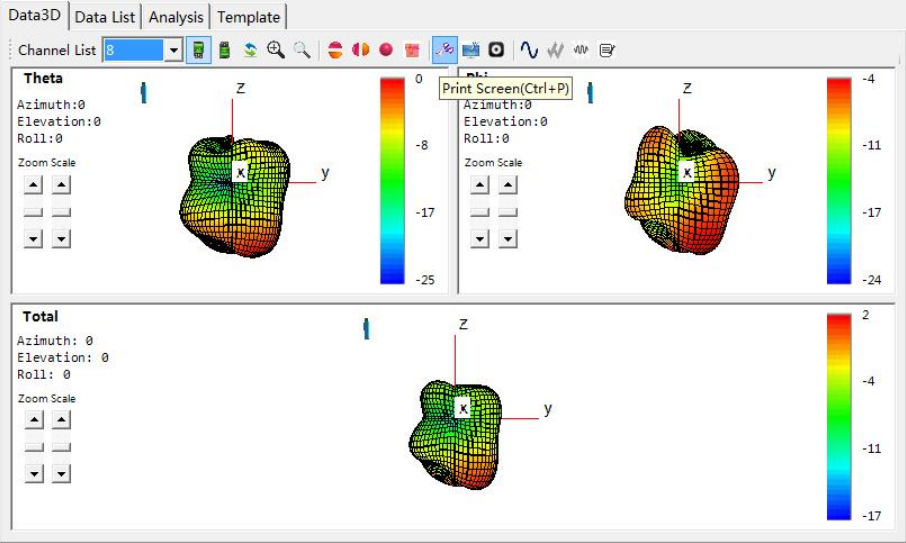
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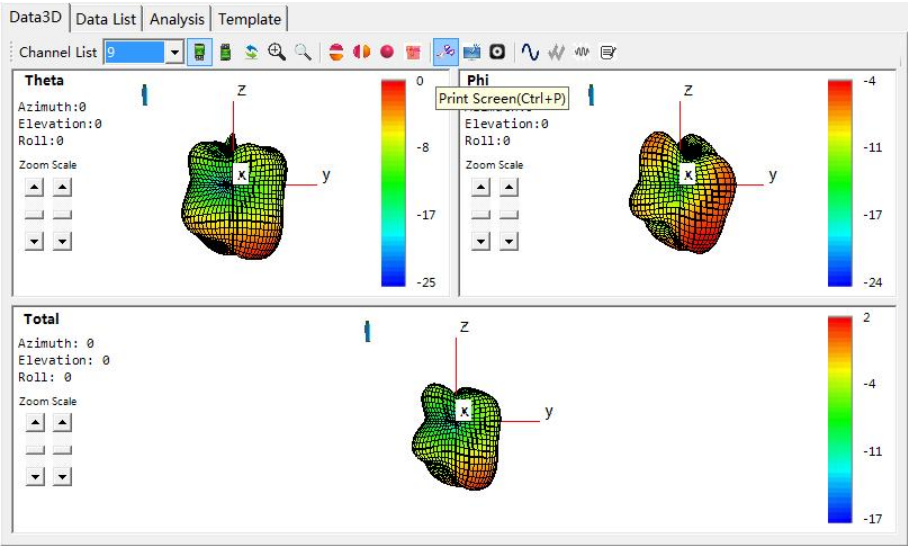
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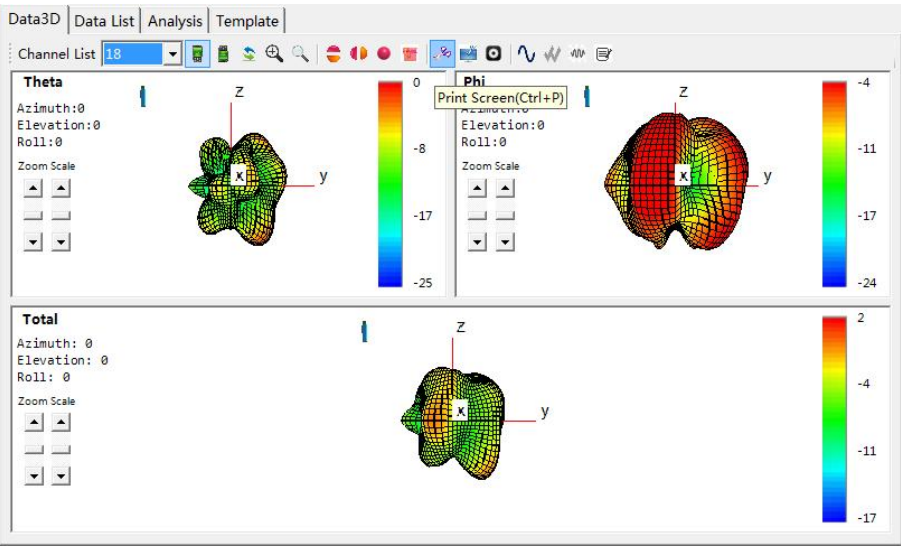
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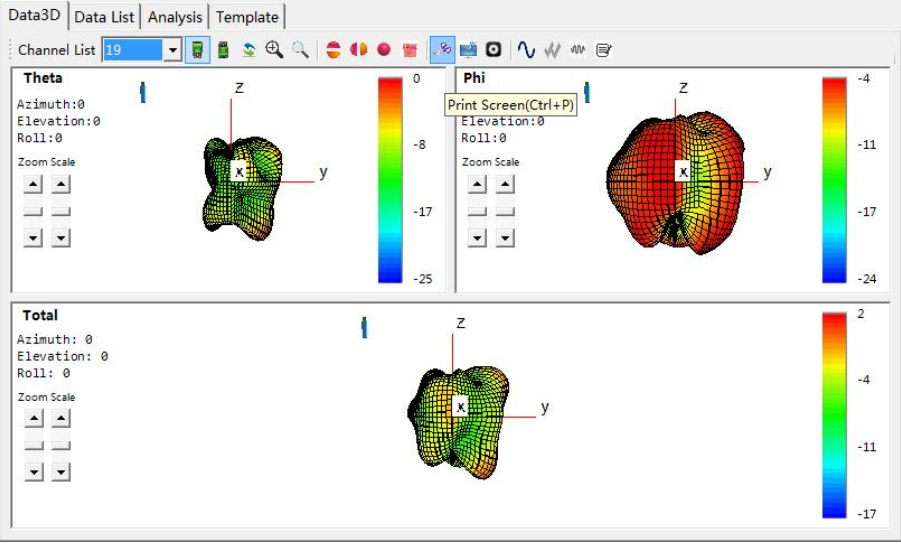
2500



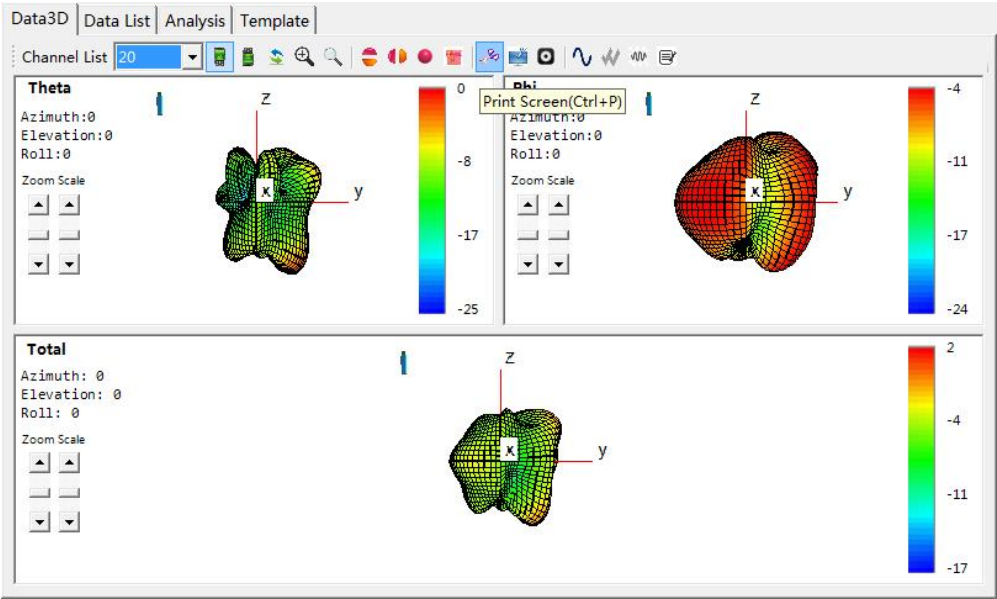
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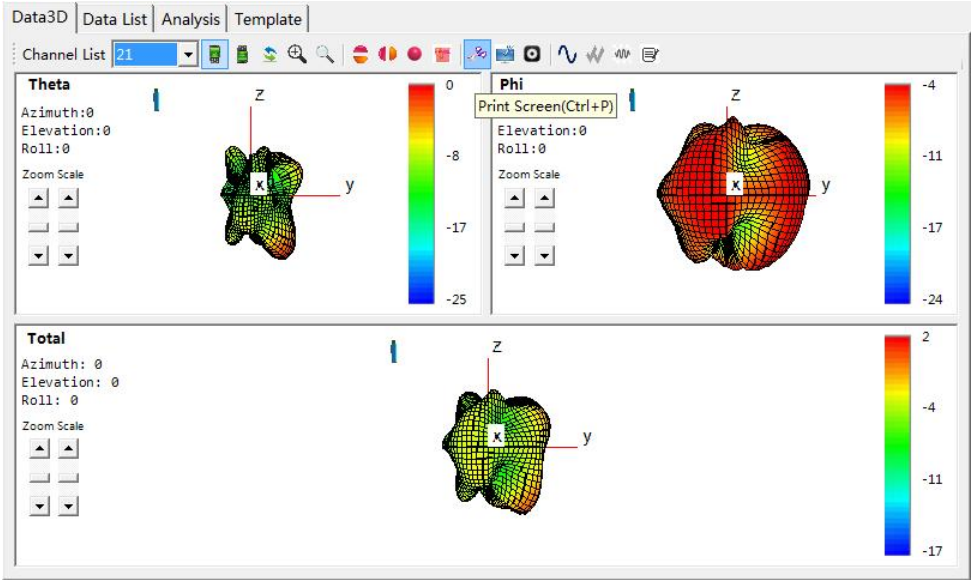
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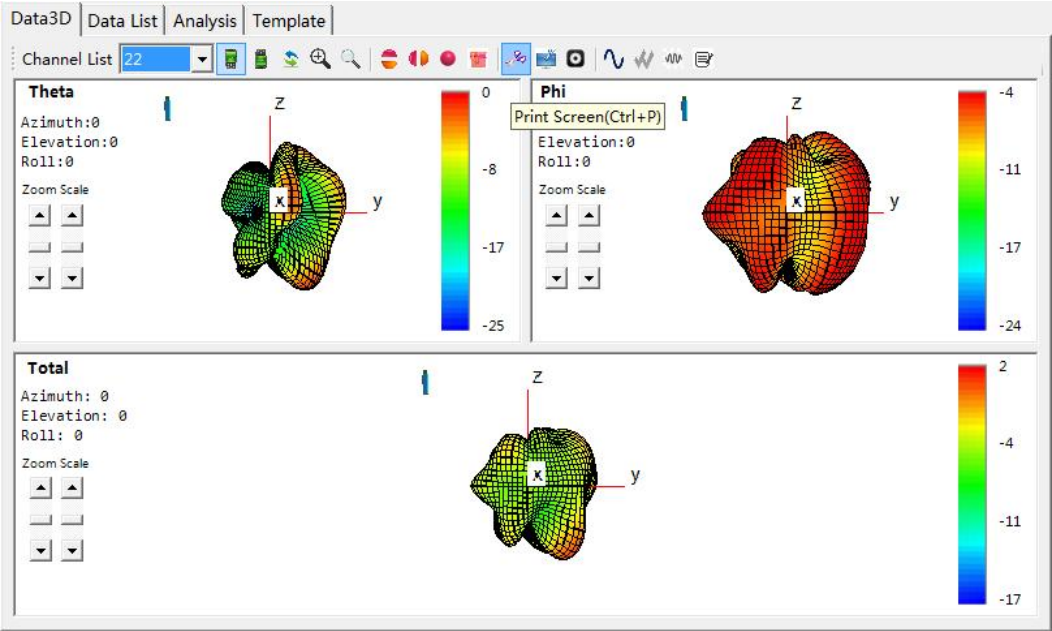
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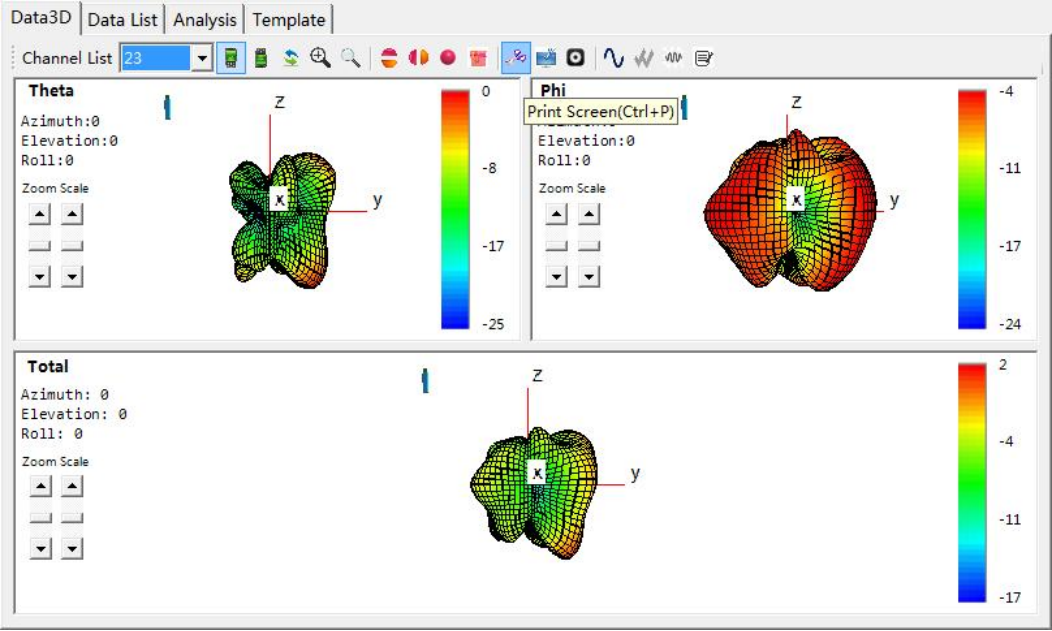
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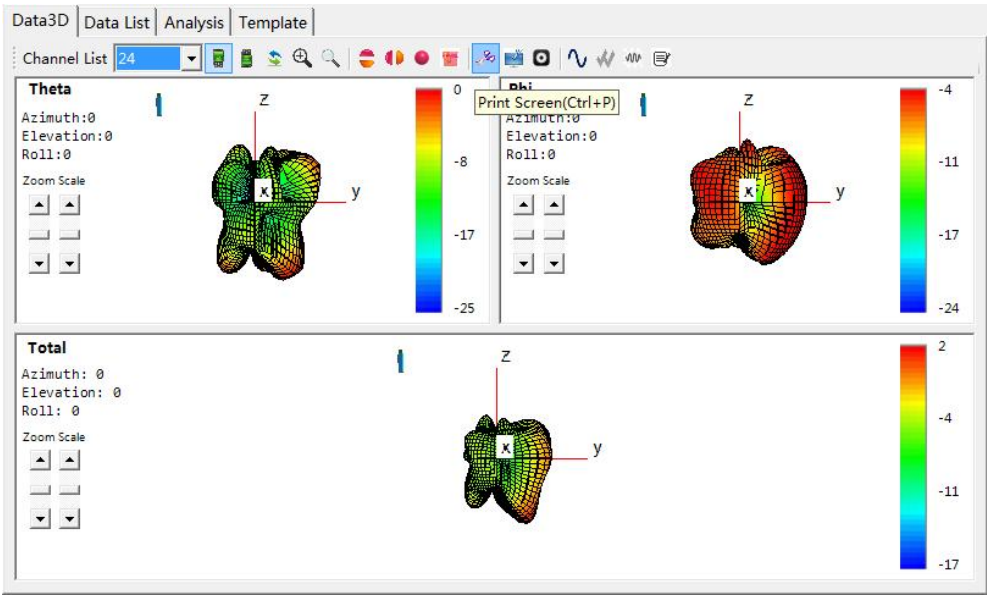
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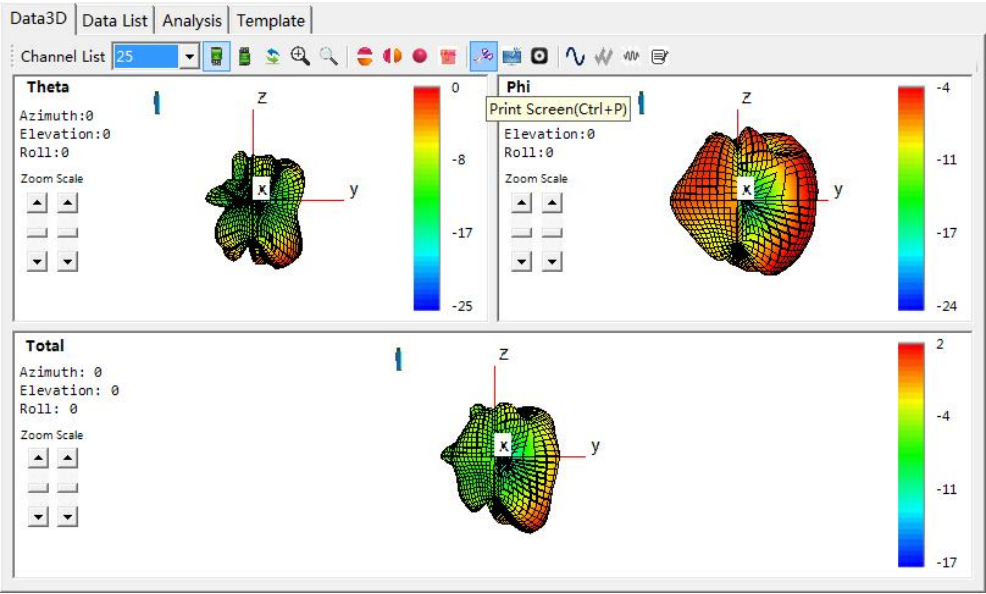
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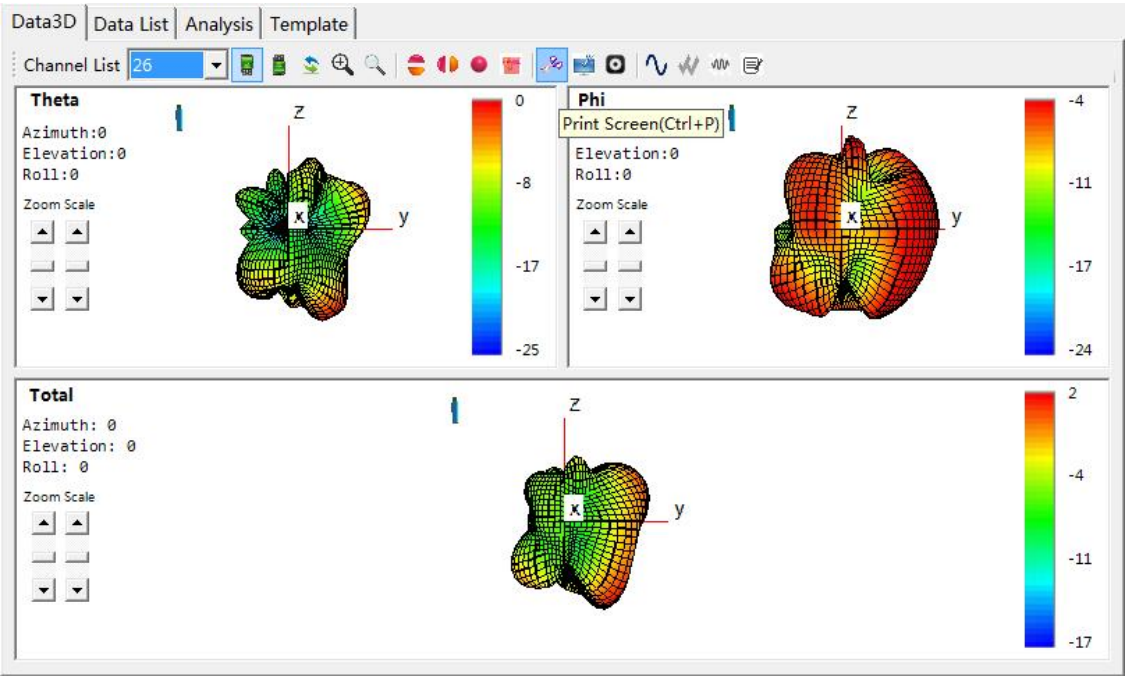
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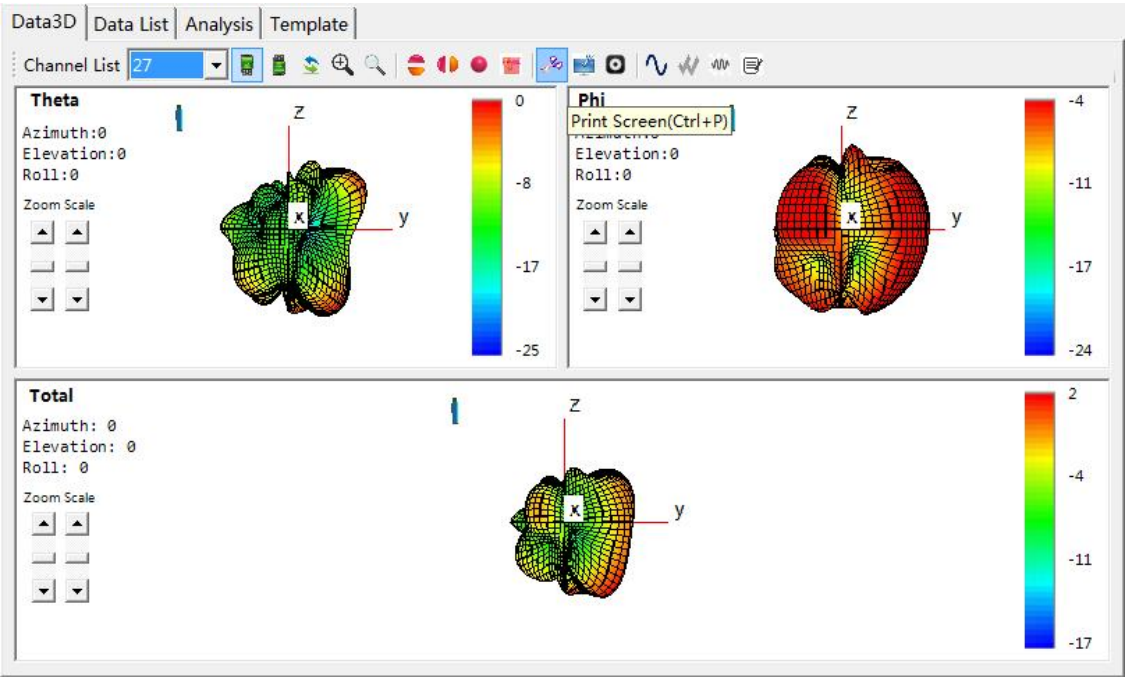
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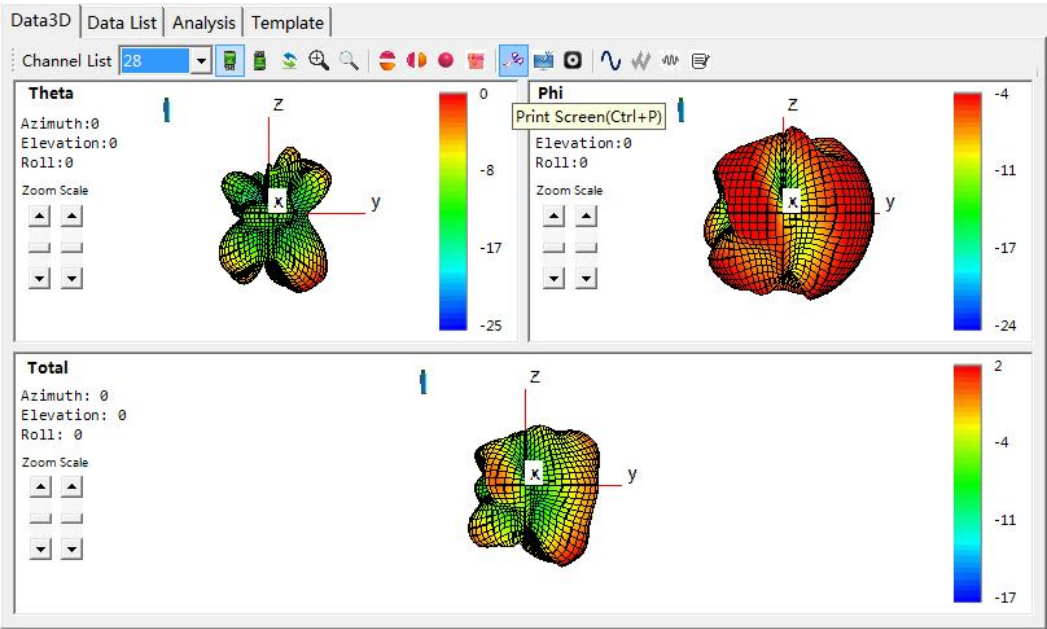
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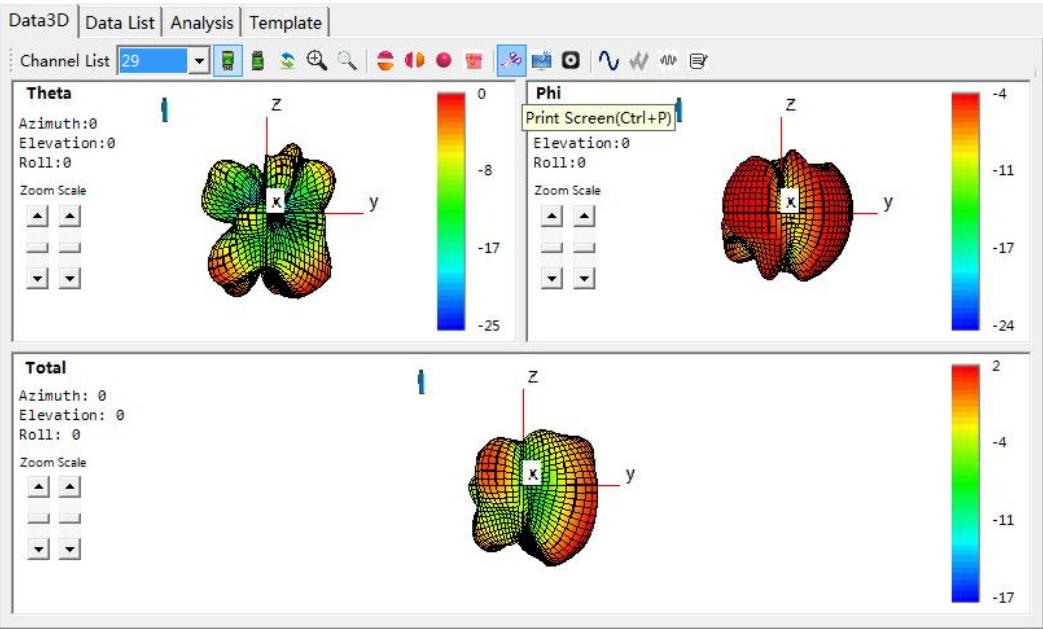
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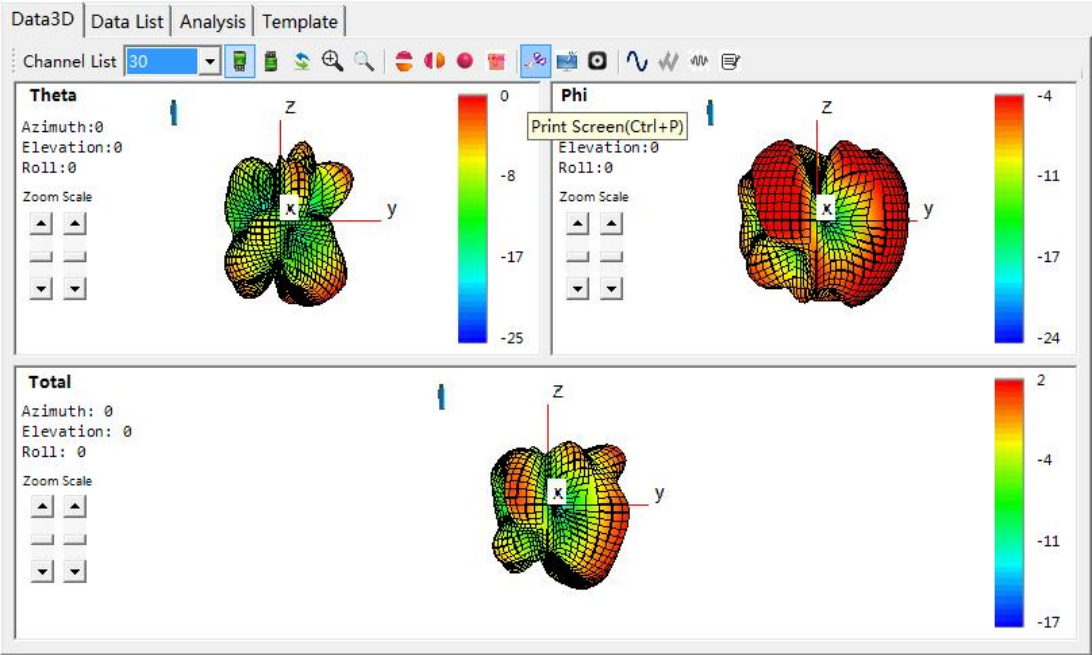
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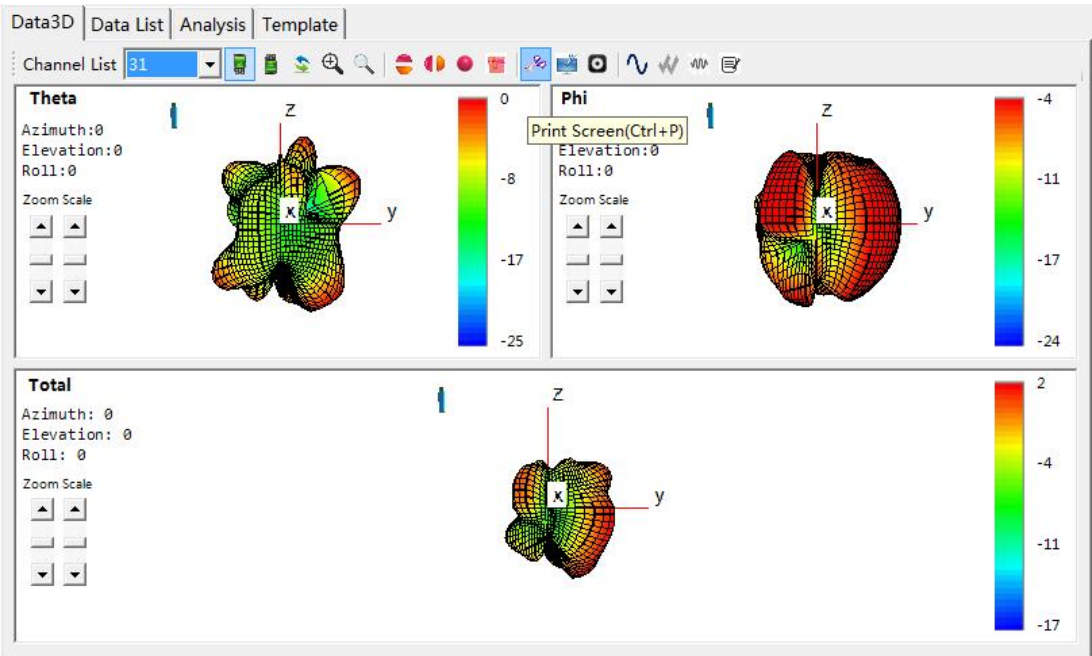
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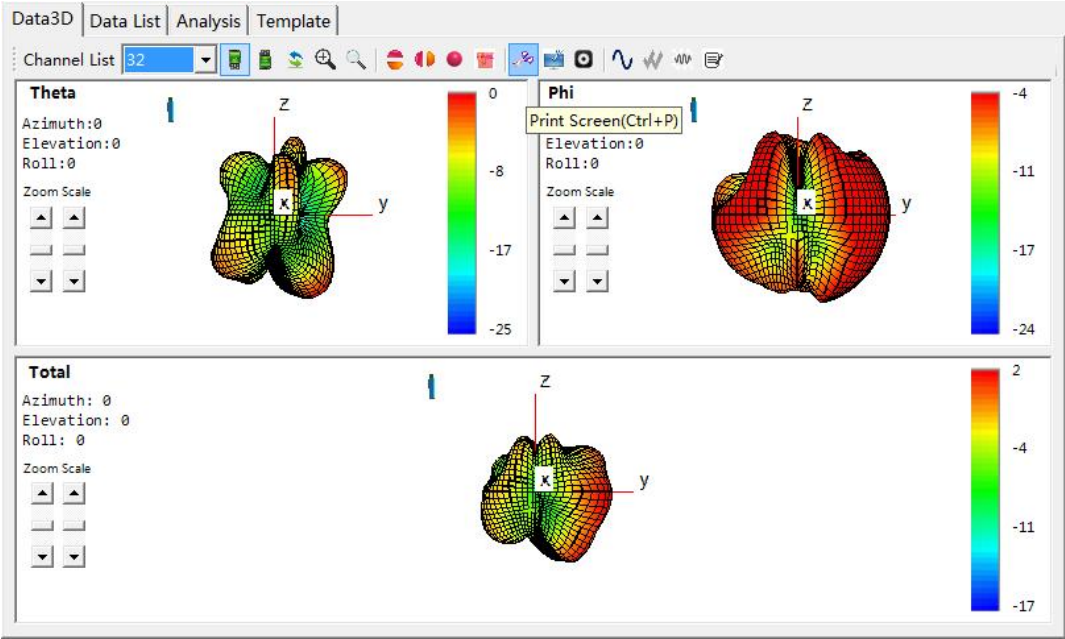


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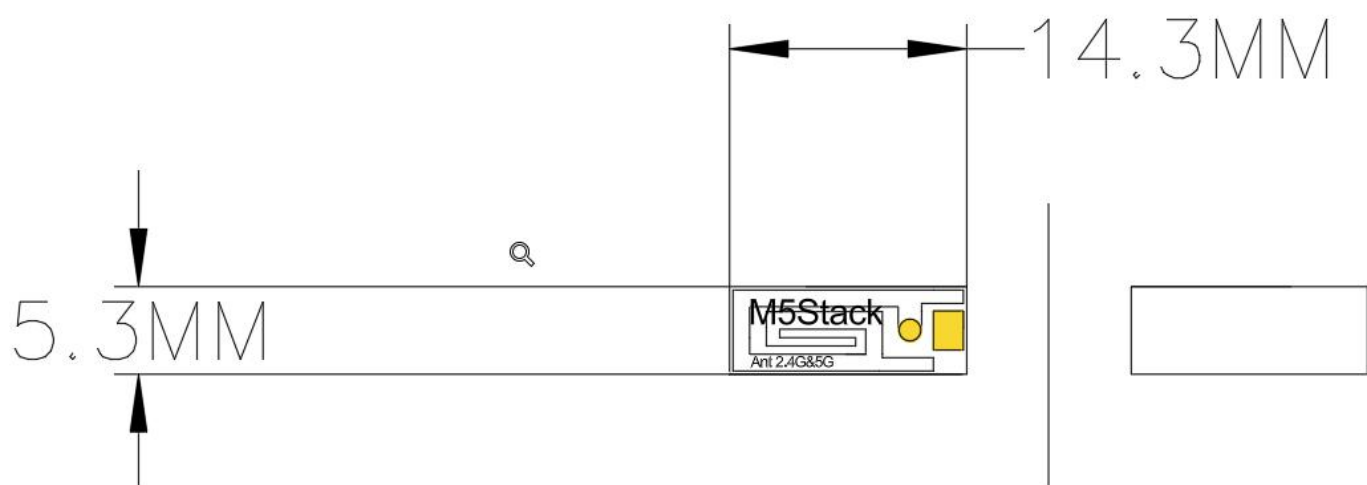


5800





3 Product dimensions



Ipex1 50mm Black 1.13

UNIT :mm