



上海杰盛康通信工程有限公司
SHANGHAI JESONCOM COMMUNICATION ENGINEERING CO.,LTD

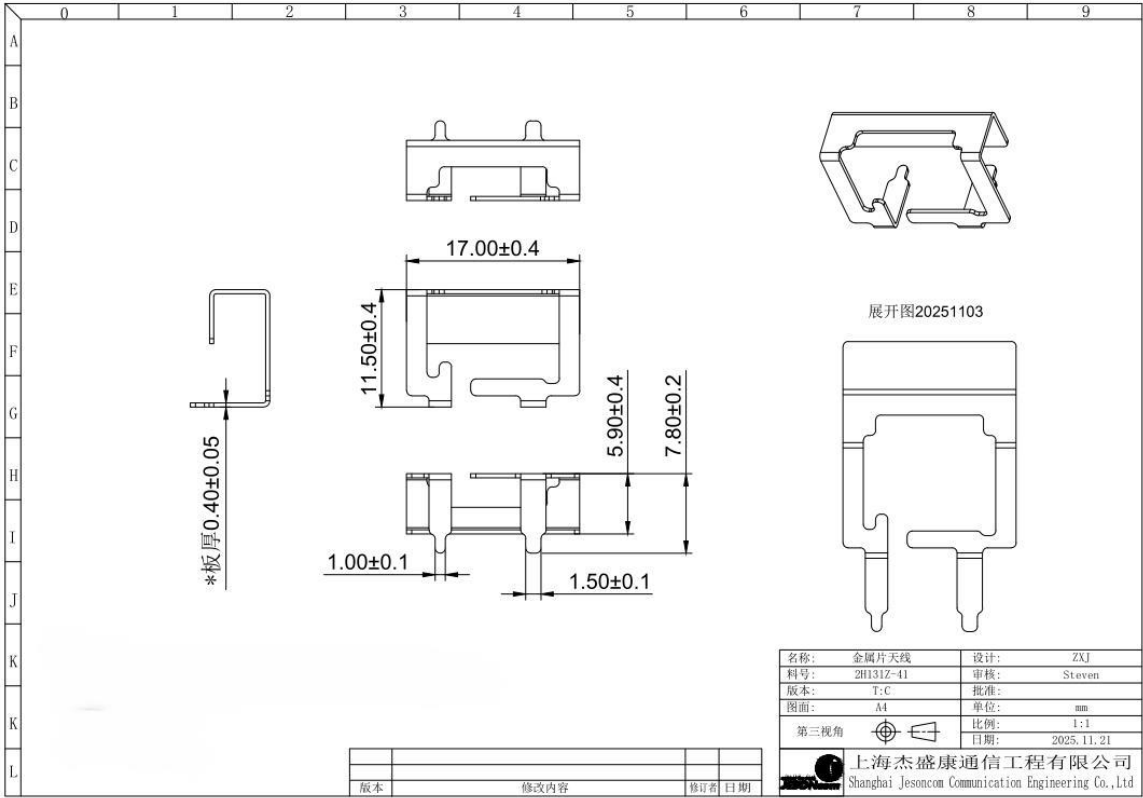
Specification

➤ Antenna technical parameters

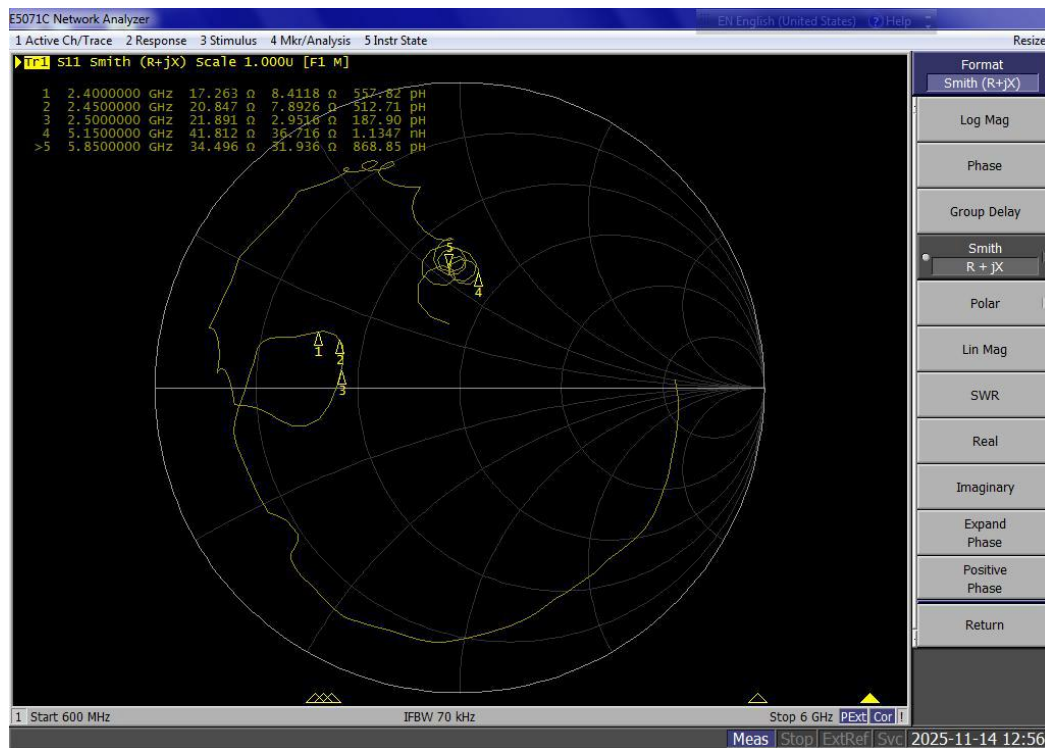
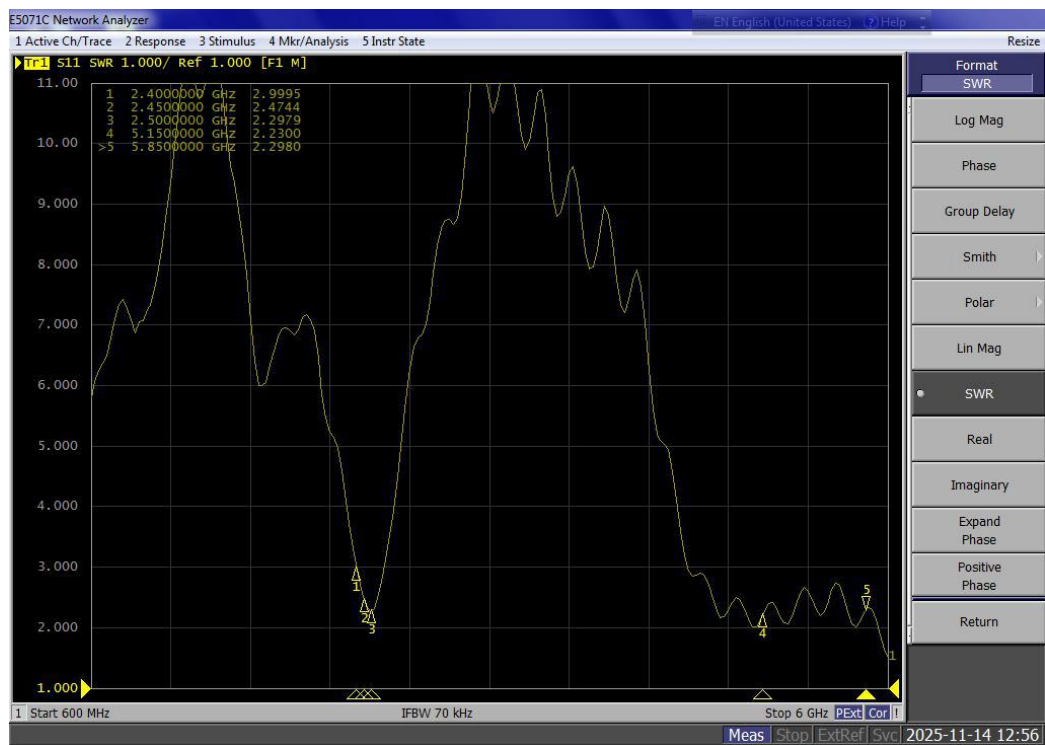
Model	Ex: 2H131Z-41
Type	EX: WIFI
Frequency range	EX: 2400-2500M; 5150-5180M
Materials	Ex: Metal
VSWR	EX: $\leq 1.5@2400-2500M$ $\leq 1.4@5150-5180M$
Efficiency	EX: $\geq 33\%@2400-2500M$ $\geq 23\%@5150-5180M$
Gain (dBi)	EX: $\leq 3.50dBi@2400-2500M$ $\leq 3.25dBi@5150-5180M$
Termination	Ex: /
Termination attribute	Ex: /
Antenna size	Ex: 17*11.5*7.8mm
Working temperature	Ex: -40~85°C
Storage temperature	Ex: 22~55°C
Capacity	Ex: /
IP rate	Ex: /
Characteristic impedance	EX: 50Ω
Withstand voltage	EX: 500V
Radiation direction	EX: Horizontal/Vertical

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➤ Product 2D drawing

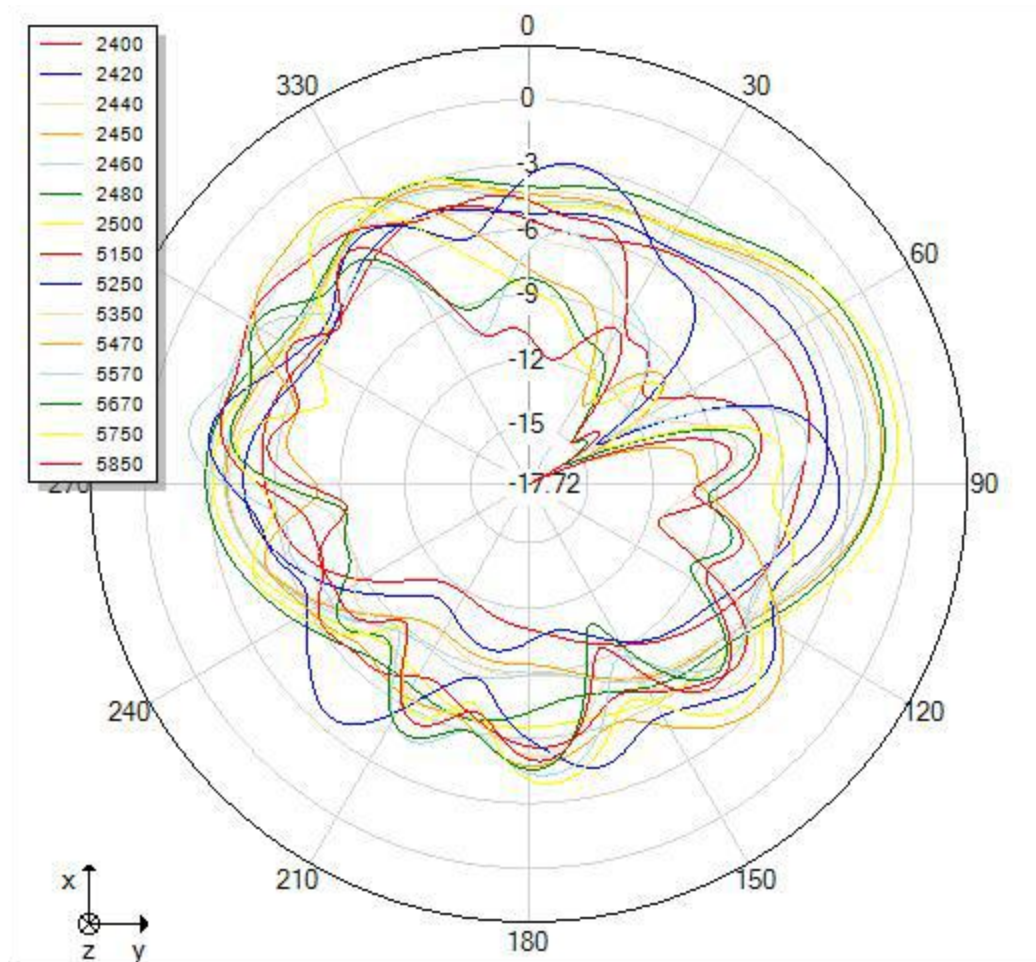


➤ Testing result and graphics



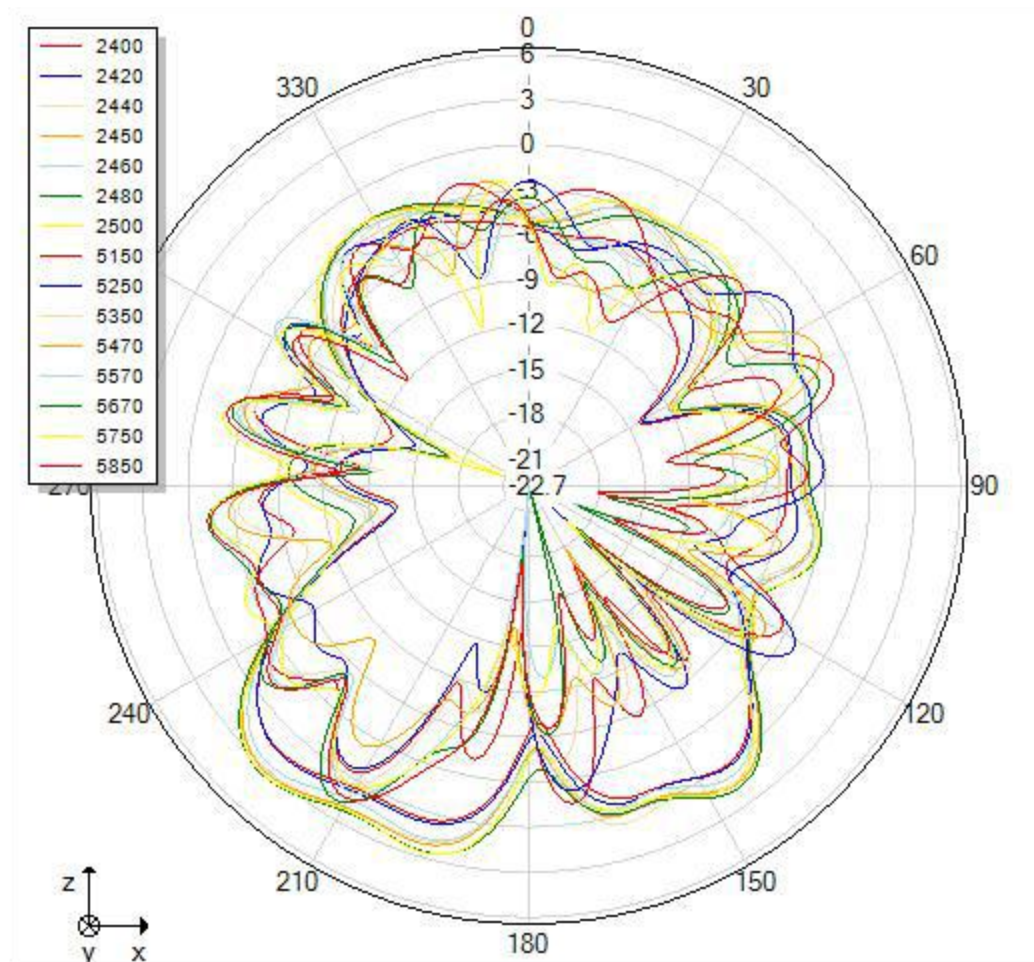
H

Theta=90



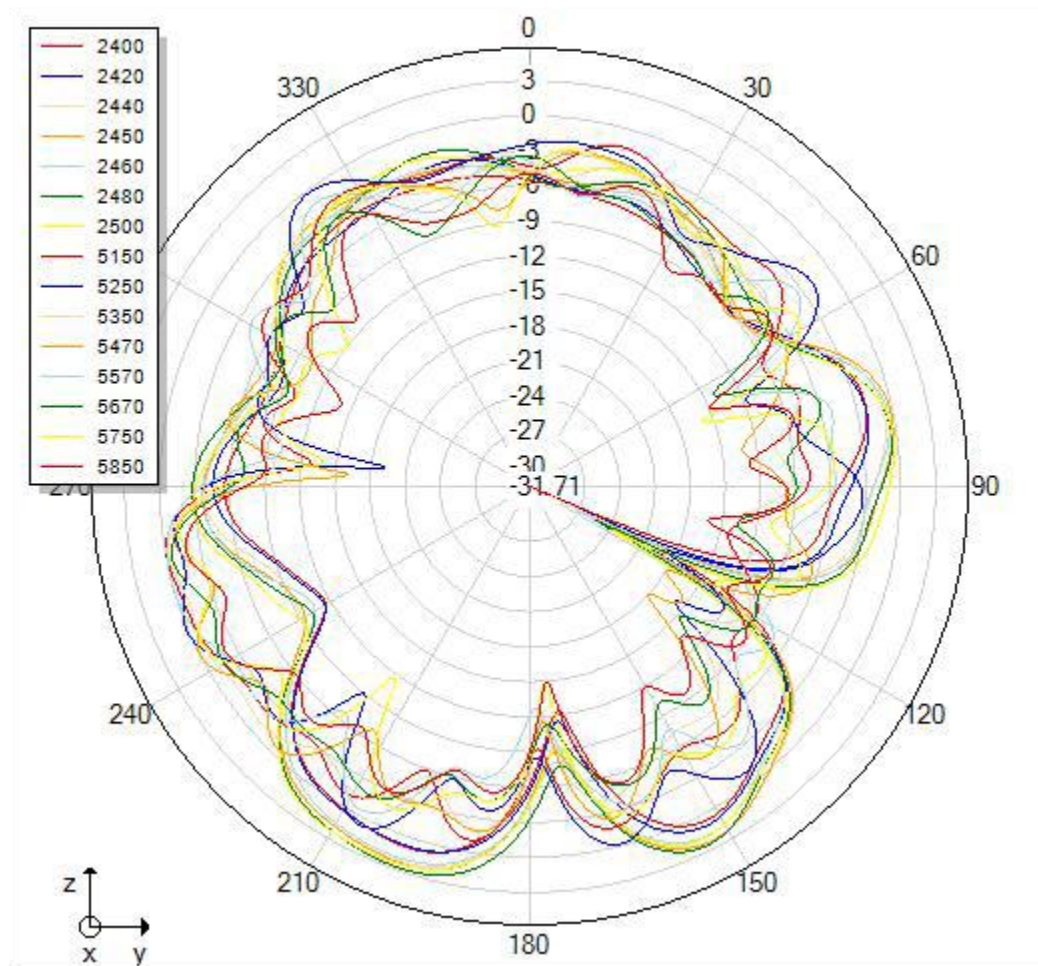
E1

$\Phi=0$



E2

$\Phi=90$



➤ Efficiency

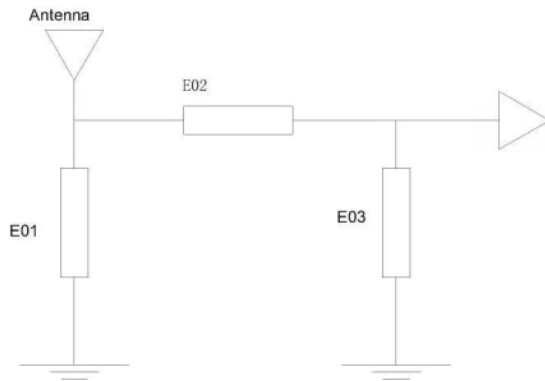
Frequency(MHz)	Gain (dBi)	Efficiency (%)
2400	1.63	33.65
2420	1.74	35.28
2440	3.18	43.67
2450	3.21	45.34
2460	2.75	41.77
2480	3.45	46.48
2500	3.50	47.13
5150	2.13	45.21
5250	1.99	33.43
5350	1.94	36.05
5470	3.25	46.01
5570	1.66	31.24
5670	2.38	26.84
5750	2.50	28.94
5850	1.95	23.74

➤ Data(Active)

<u>WIFI</u>	<u>TRP</u>		<u>TIS</u>	
	UL_Channel		DL_Channel	
<u>11b</u>	1	17.19	1	-82.44
	6	16.76	6	-83.54
	11	16.62	11	-81.71
<u>11a</u>	1	13.4	1	-77.13
	6	15.09	6	-76.02
	11	15.62	11	-76.93

➤ Impedance matching requirements

Parallel connection with a 0.75pF capacitor



E01	0.75pF
E02	NC
E03	NC