



深圳市熠晟科技有限公司
Shenzhen Yisheng Technology Co., LTD.

Customer name: 高斯贝尔

Customer model: 5200JDA

Customer material number: 10118100603

Customer specification description: Built-in metal bracket antenna
2.4GHz/3dBi/50ohm/19.0*11.5*2.0mm T=0.4mm/SUS304 nickel-plated/natural
color

Yisheng part number:

Yisheng specification description: Built-in metal bracket

antenna 2.4GHz/3dBi/50ohm/19.0*11.5*2.0mm/ T=0.4mm/SUS304

nickel-plated/natural color

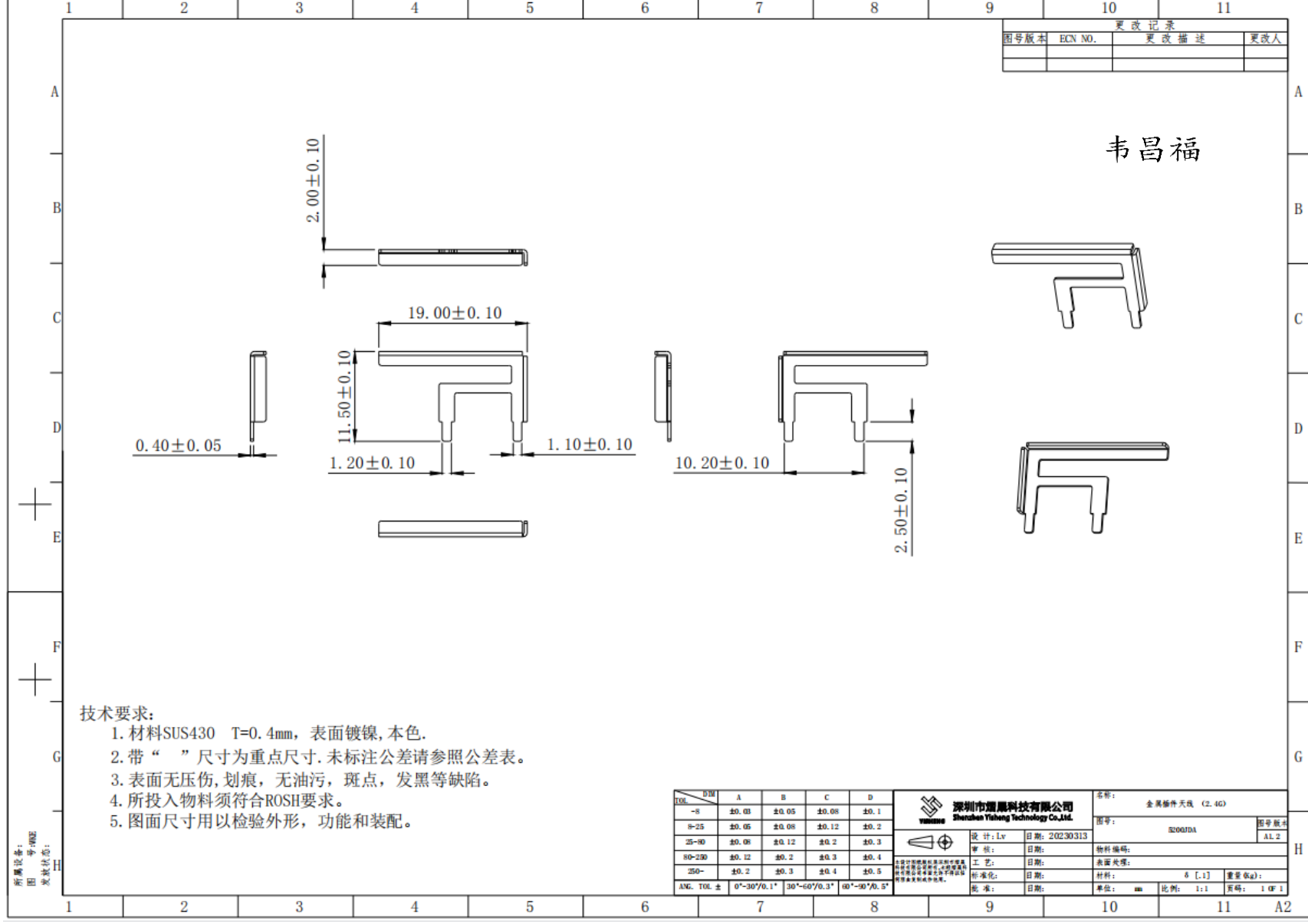
承 认 书

确 认 签 字 盖 章

熠 晟 确 认			客 户 确 认		
制样	审核	批准	验证	审核	批准
熠晟签字盖章			客户签字盖章		
日 期	2023-03-13		日 期	2023- -	

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4、产品图纸



深圳市熠晟科技有限公司

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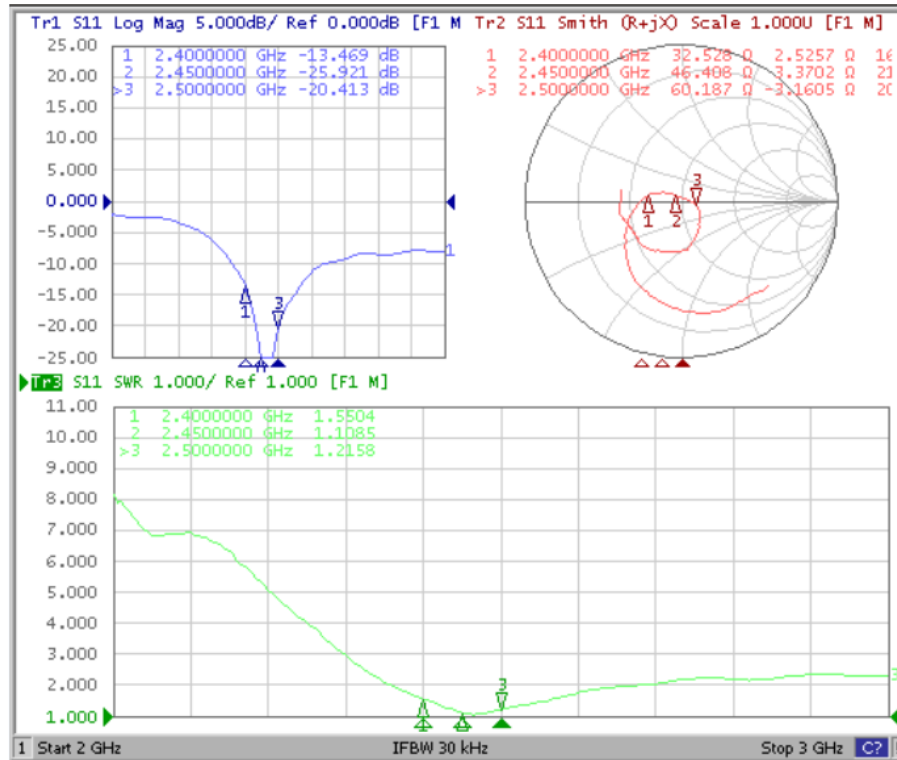


YISHENG

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Passive performance test parameters



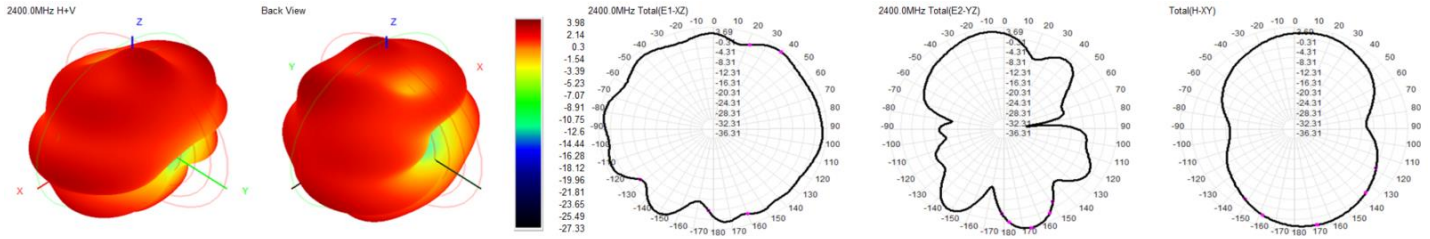
Fre(GHz)	2.4	2.45	2.5
Return Loss	-13.46	-25.92	-20.41
VSWR	1.55	1.10	1.23



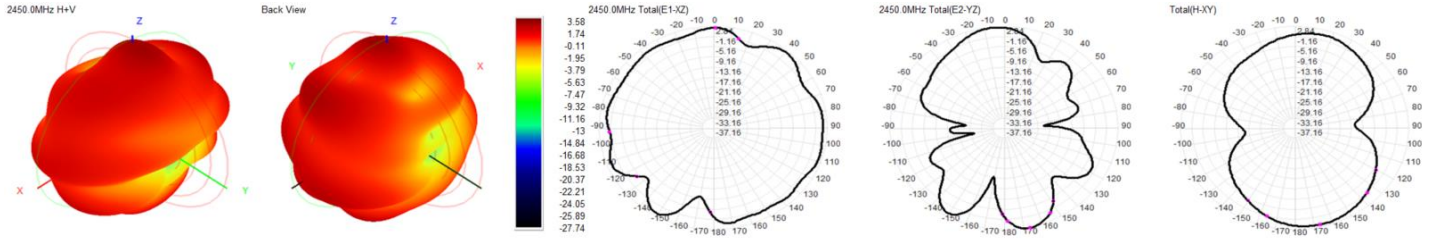
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-1.21	-1.43	-1.40	-1.87	-1.76	-2.00	-1.86	-2.09	-1.97	-2.27	-1.94
Gain (dBi)	3.98	3.59	3.67	3.42	3.71	3.58	3.77	3.48	3.49	3.01	3.13
Efficiency (%)	75.63	72.00	72.48	65.08	66.69	63.05	65.19	61.81	63.54	59.31	63.99
Directivity (dB)	5.20	5.02	5.07	5.29	5.47	5.58	5.63	5.57	5.46	5.28	5.07
Peak Gain Position (Theta)	166.00	167.00	168.00	168.00	168.00	168.00	167.00	167.00	166.00	165.00	8.00
Peak Gain Position (Phi)	256.00	252.00	246.00	242.00	242.00	244.00	249.00	252.00	256.00	258.00	107.00
Efficiency ThetaPol (%)	20.08	18.76	18.89	17.13	17.42	16.30	16.75	15.73	16.23	15.20	15.83
Efficiency PhiPol (%)	55.55	53.23	53.59	47.94	49.27	46.75	48.44	46.08	47.31	44.11	48.16
Upper Hem. Efficiency (%)	39.15	37.15	37.05	32.88	33.40	31.56	32.89	31.57	33.07	31.50	34.49
Lower Hem. Efficiency (%)	36.48	34.85	35.42	32.19	33.28	31.49	32.30	30.24	30.47	27.81	29.50

Efficiency, gain and pattern

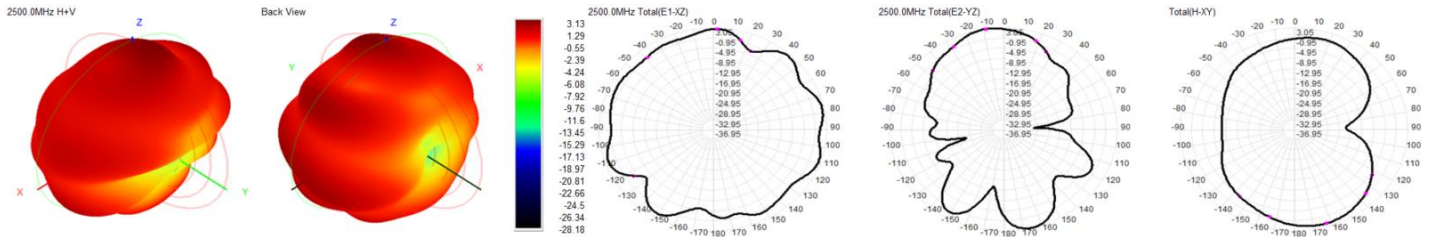
Radiation Patterns at 2.4GHz



Radiation Patterns at 2.45GHz



Radiation Patterns at 2.5GHz



Source performance test parameters

	Channel	TRP	EIRP	Channel	TIS	EIS
2.4G-WiFi 11b 11M tx 11M rx	ch1	20.72	23.69	ch1	-82.9	85.87
	ch7	20.49	23.81	ch7	-83.67	86.99
	ch13	19.61	22.47	ch13	-83.53	86.39
	Channel	TRP	EIRP	Channel	TIS	EIS
2.4G-WiFi 11g 6M tx 54M rx	ch1	19.53	22.74	ch1	-70.9	73.11
	ch7	19.49	23.38	ch7	-67.26	70.15
	ch13	18.34	23.91	ch13	-68.62	73.19
	Channel	TRP	EIRP	Channel	TIS	EIS
2.4G-WiFi 11n MCS7	ch1	19.84	22.72	ch1	-67.85	70.73
	ch7	19.34	23.53	ch7	-64.65	68.84
	ch13	19.88	24.35	ch13	-66.77	71.24