

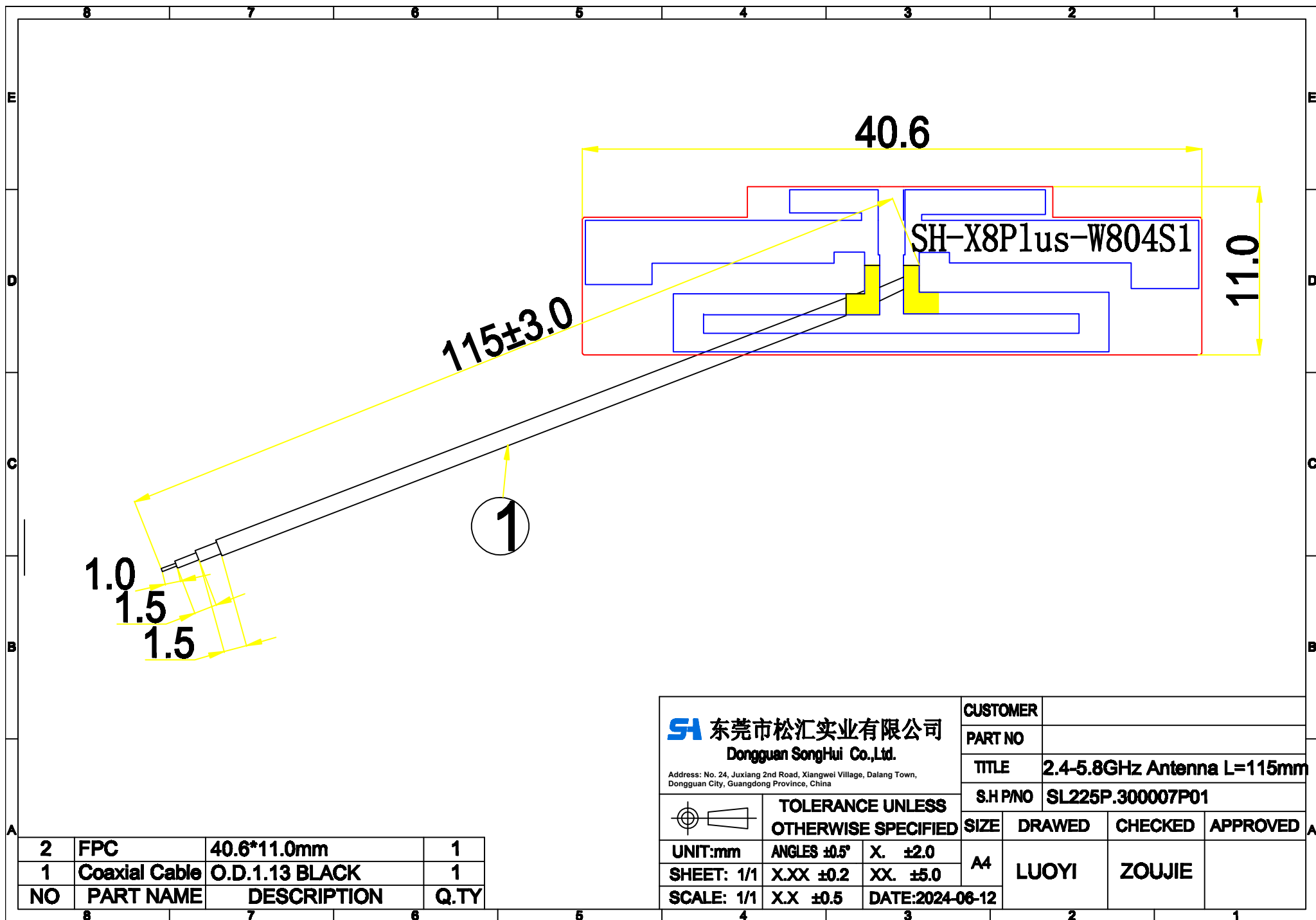


SPECIFICATION FOR APPROVAL

Model: SH-X8Plus-W804S1

Dongguan Songhui Co., Ltd

No. 24 Juxiang 2nd Road, Xiangwei Community, Dalang
Town, Dongguan, China





电 性 测 试 报 告

Test Reports

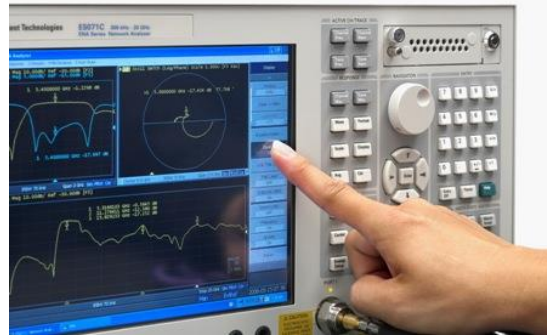
Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	4.32dBi
Efficiency	>60%
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm // L= 115mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	BLACK



S 参数测试

S Parameter Test

Agilent E5071C



1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

► Tr1 S33 SWR 1.000/ Ref 1.000 [F1]

1	2.400000000	GHz	1.1661
2	2.450000000	GHz	1.1857
3	2.500000000	GHz	1.5171
4	5.150000000	GHz	1.2712
5	5.500000000	GHz	1.2235
>6	5.850000000	GHz	1.0465

Format

SWR

Log Mag

Phase

Group Delay

Smith

Polar

Lin Mag

SWR

Real

Imaginary

1 Start 2 GHz

IFBW 70 kHz

Stop 6.2 GHz

Cor

Meas

Stop

ExtRef

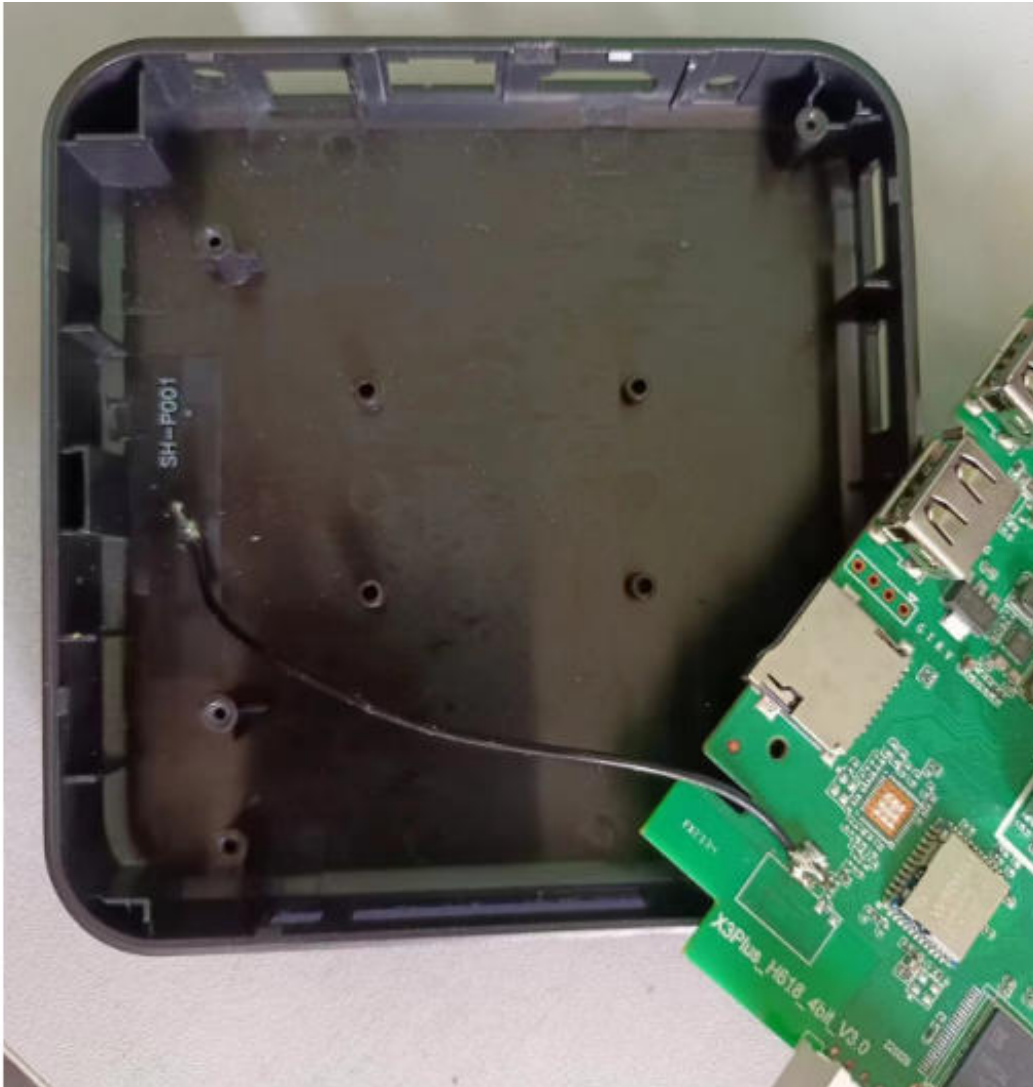
Ready

Svc

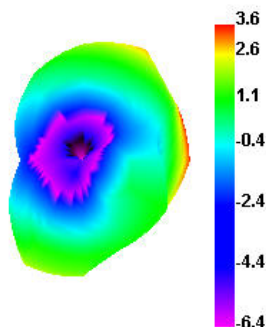
2019-11-24 09:46

天线组装图

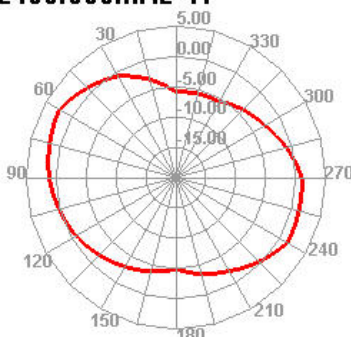
Antenna assembly diagram



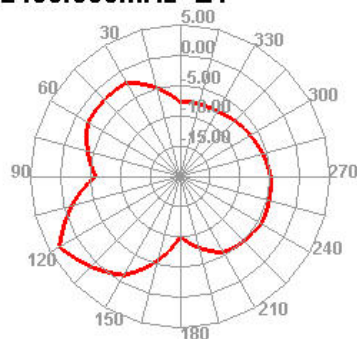
2400.000MHz



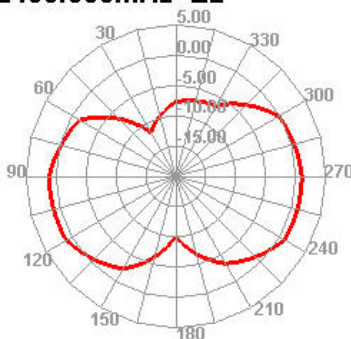
2400.000MHz H



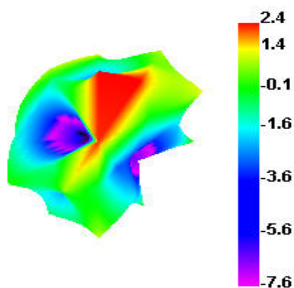
2400.000MHz E1



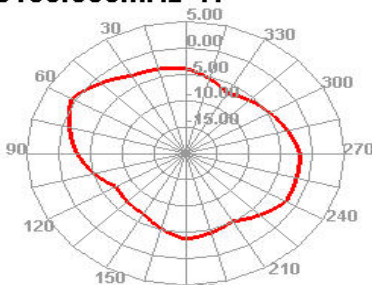
2400.000MHz E2



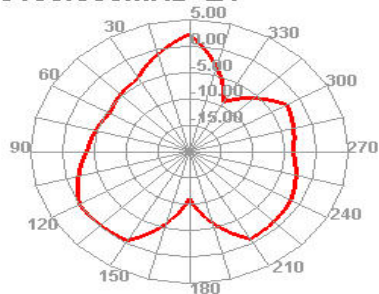
5150.000MHz



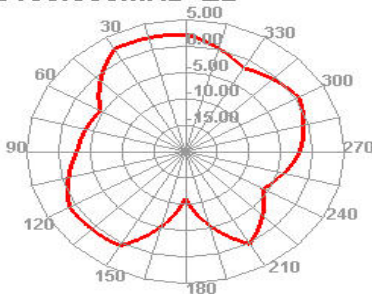
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



Freq (MHz)	Effi (%)	Gain (dBi)
2400	72.57	3.57
2410	76.21	3.88
2420	69.46	3.76
2430	65.83	3.6
2440	70	3.9
2450	69.49	3.84
2460	77.17	4.32
2470	73.47	4.13
2480	72.01	4.06
2490	67.44	3.73
2500	76.26	4.21

Freq (MHz)	Effi (%)	Gain (dBi)
5150	60.08	2.39
5175	54.66	1.89
5200	58.95	2.34
5225	56.15	1.66
5250	52.99	1.16
5275	55.22	1.27
5300	57.65	1.64
5325	57.4	1.52
5350	78.7	3.29
5375	61.99	2.04
5400	69.17	2.44
5425	52.23	1.22
5450	68.66	2.96
5475	53.34	1.61
5500	70.15	2.79
5525	56.85	2.04
5550	79.93	3.3
5575	58.41	2.05
5600	75.54	3.47
5625	53.88	1.81
5650	77.17	3.59
5675	52.45	2.22
5700	73.78	3.96
5725	56.48	2.43
5750	75.51	3.65
5775	55.36	2.54
5800	75.49	4.19
5825	50.6	2.54
5850	66.09	3.34