

DONGGUAN SLEING INTEL-TECH CO., LTD

SPECIFICATION APPROVAL SHEET

 CUSTOMER
 DONGGUAN Shine Well Intelligent Equipment Co.,Ltd

 REV
 X1

 2.4~2.5/5.15~5.85GHz

 WIFI Antenna L=190mm(Ø1.13 +MHF)

 SUP PART NO

 SLEingB243310190-C01

 DATE

DONGGUAN CITY SLEing INTEL-TECH CO., LTD

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${\tt DONGGUAN} \quad {\tt SLEing} \ \, {\tt INTEL-TECH} \ \, {\tt CO.} \, , \\ {\tt LTD}$

MODIFICATION

RECORD SHEET

REV.	Modification date	Summary of modification content	Signature	Approval				
X1	2024.01.19	First Issue	Jerry	rry Jongrei				



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Spec Item

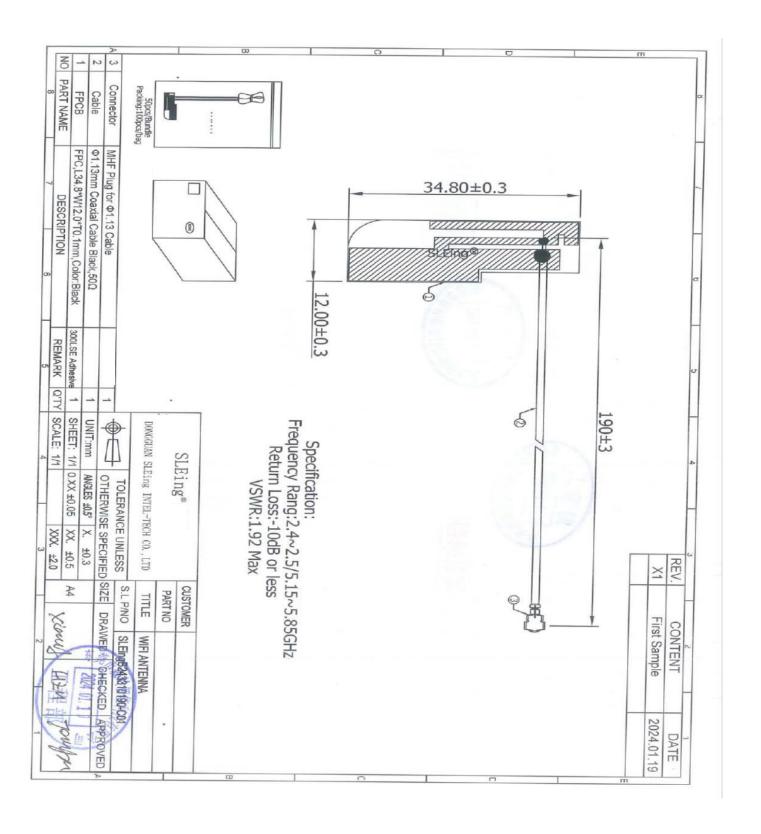
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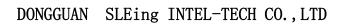
Give clear indication of:

- 1. The contents of the acknowledgement shall be arranged in order according to the items in the check sheet.
- 2. The number of copies of the acceptance letter shall be printed according to the customer's requirements, and the SGS report shall be stamped with the engineering seal.
- 3. All materials shall be confirmed by the customer. Any material/process/changes that may affect product quality and environmental quality must be re-sent to the customer for confirmation before import.
- 4. SGS report is valid for one year.



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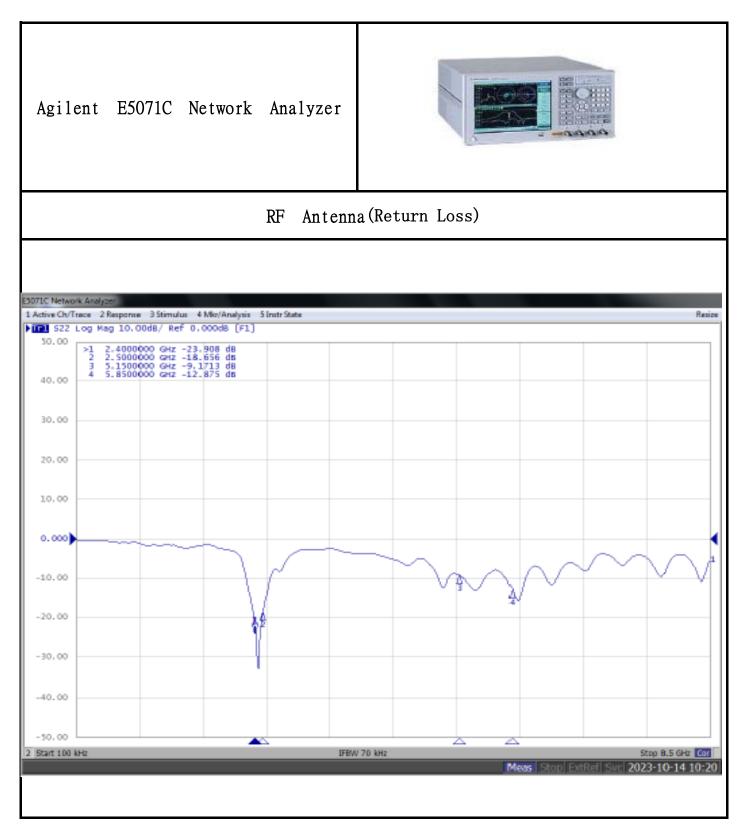


Test Reports

Electrical Properties							
Frequency	2.4~2.5/5.15~5.85GHz						
Impedance	50 Ohm Nominal						
V.S.W.R	≤1.92						
Return Loss	-10dB Max						
Radiation	Omni-directional						
Gain (Peak)	2.43 dBi						
Polarization	Linear, Vertical						
Admitted Power	2 W						
Connector	MHF						
Physical	Properties						
Antenna Material	FPCB						
Cable Type	Ф1.13mm Black						
Operating Temp	-40°C~+85°C						
Storage Temp.	-5°C~+30°C						

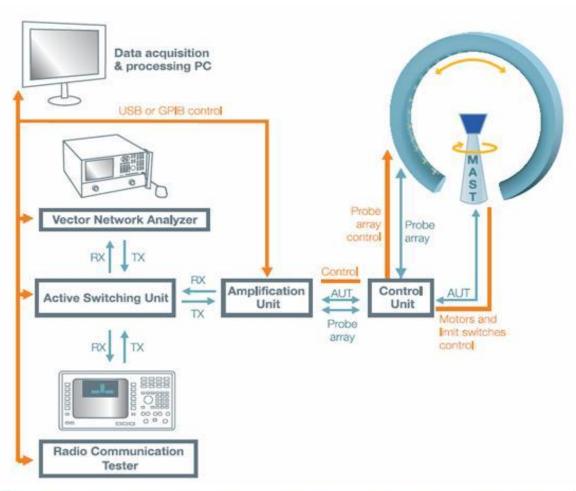


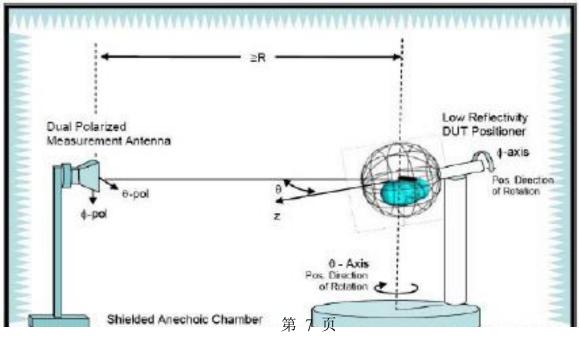
S Parameter Test





Test Setup



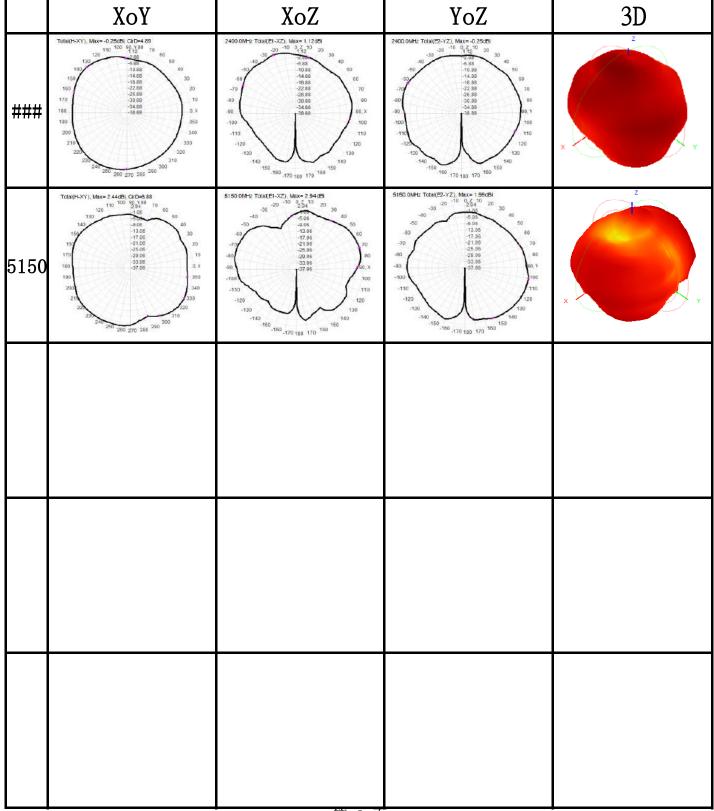






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Patten







Test Efficiency

Frequency ID	1	2	3	4	5	6	7	8	9	10	11				
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500				
Gain (dBi)	1.49	1.35	1.44	1.31	1.68	1.99	2.43	2.40	2.33	2.21	2.43				
Efficiency (%)	52.08	54.05	56.00	57.16	60.65	62.19	61.73	63.95	63.66	62.19	63.95				
Frequency ID	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Frequency (MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
Gain (dBi)	3.82	4.16	4.28	4.48	4.26	4.66	4.91	4.85	4.64	4.33	4.54	4.55	4.48	4.75	4.60
Efficiency (%)	70.87	73.02	86.40	78.31	79.12	73.45	73.02	72.96	72.91	75.12	74.57	72.96	73.50	73.28	63.50