SLEing	® DONGGUAN S	SLEing INTEL	L-TECH CO.,LT	'D
S	PECIFICATION	APPROVAL	SHEET	
CUSTOMER				
CUS PART NO			次: EV X1	
SPECIFICATION _	2.4-2.5/5.15-5.85/ WIFI AUX Antenna L=267mm		重: ight	
SUP PART NO	SLEingB241520	280		
DATE	2024.10.09			
SUP APPROVED	and the second se	论智能科技		
APPROVED		124 19A QHECKED	DESIGNED	
1 Juil 4 0	Jone	相部	Terry	
CUS APPROVED				
APPROVED	CHECKED	QA CHECKED	DESIGNED	
	DONGGUAN SLEin	ng INTEL-TECH	CO., LTD	
Room 402,No.6 Plant Songshanlak	,Accelerator of Mo e District,Donguar	odern Enterpris n City, Guangdo	se,No,24 Industry ong Province,Chin	y East Road na.
Tel: +86-0	76989208968 <u>www.s</u>	Fax <u>leing.com</u>	:+86-0769-892089	769



DONGGUAN SLEing INTEL-TECH CO., LTD

变更记录 MODIFICATION RECORD SHEET

(REV.)	(Modification date)	Summary of modification content	Signature	Approval
X1	2024.10.09	First Issue	Jerry	Jongrei

SLEing[®]DONGGUAN SLEing INTEL-TECH CO., LTD

Spec Item

NO.	Project	Remark	Page
1	Spec Cover		1
2	MODIFICATION RECORD SHEET		2
3	Spec Item		3
4	Drawing		4
5	Test Reports		5
6	Antenna assembly diagram		6
7	Environmental treatment		7
8	S Parameter Test		8
9	Test Setup		9
10	Test Efficiency		10
11	Test TRP/ TIS		11
12	Throughput test		12
13	Product packaging specification		13

Give clear indication of:

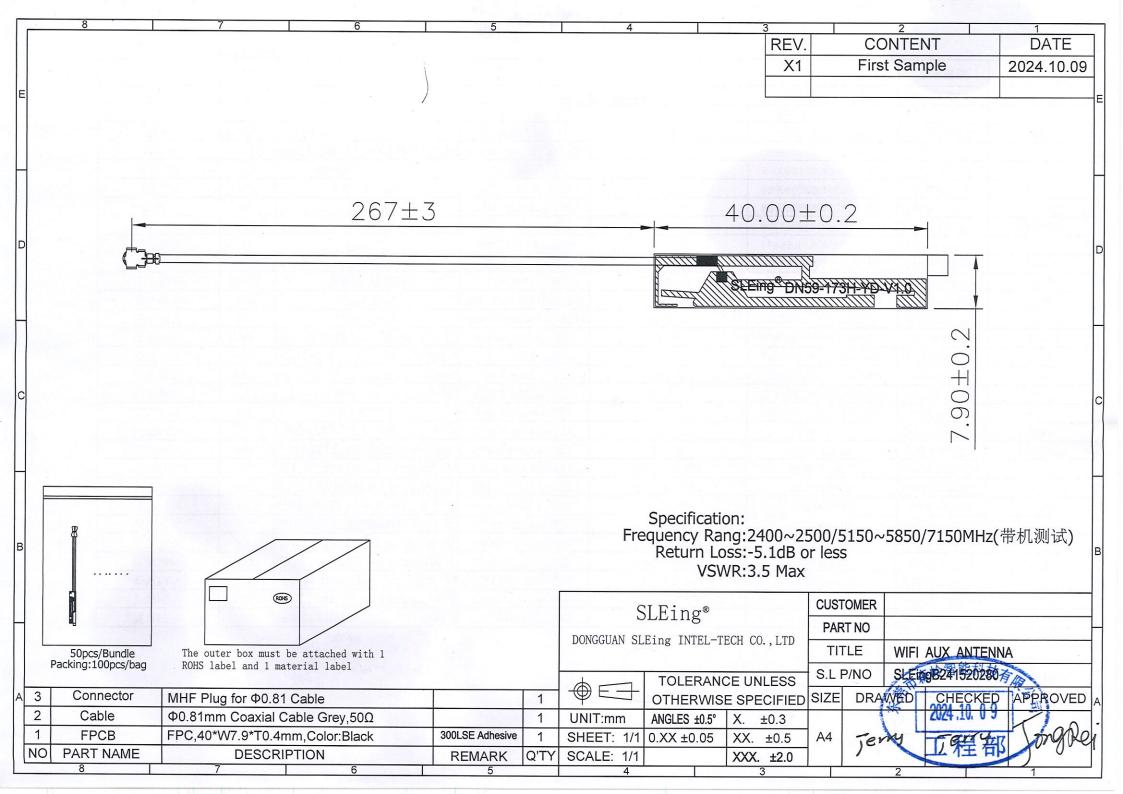
1. The contents of the acknowledgement shall be arranged in order according to the items in the check sheet.

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.

5. According to the contents attached to the actual acknowledgement, check the check form: "Yes" is provided, "no" is provided according to customer requirements.



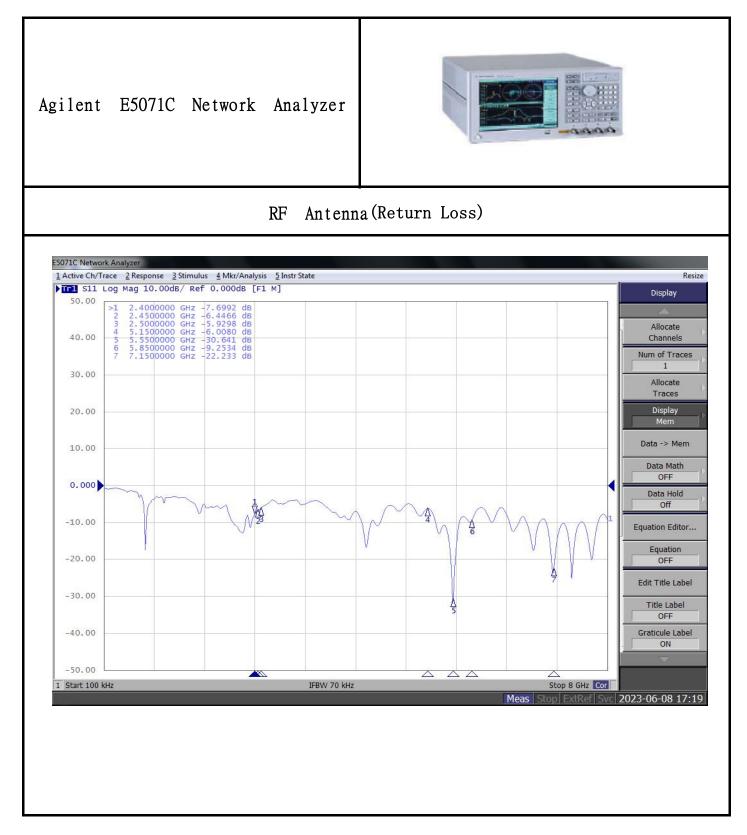


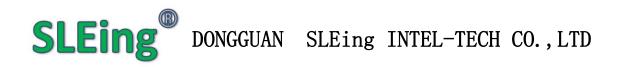
Test Reports

Electrica	1 Properties
Frequency	2.4-2.5/5.15-5.85/7.15GHz
Impedance	50 Ohm Nominal
V.S.W.R	3.5Max
Return Loss	-5.1dB Max
Radiation	Omni-directional
Gain(Peak)	2.4G:-0.84dBi/5.8G:2.56dBi/7.15G:1.61dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	MHF
Physical	Properties
Antenna Material	FPC
Antenna Color	Φ 0.81 Grey
Operating Temp	-40°C -+85 ℃
Storage Temp.	-5℃ -+30 ℃

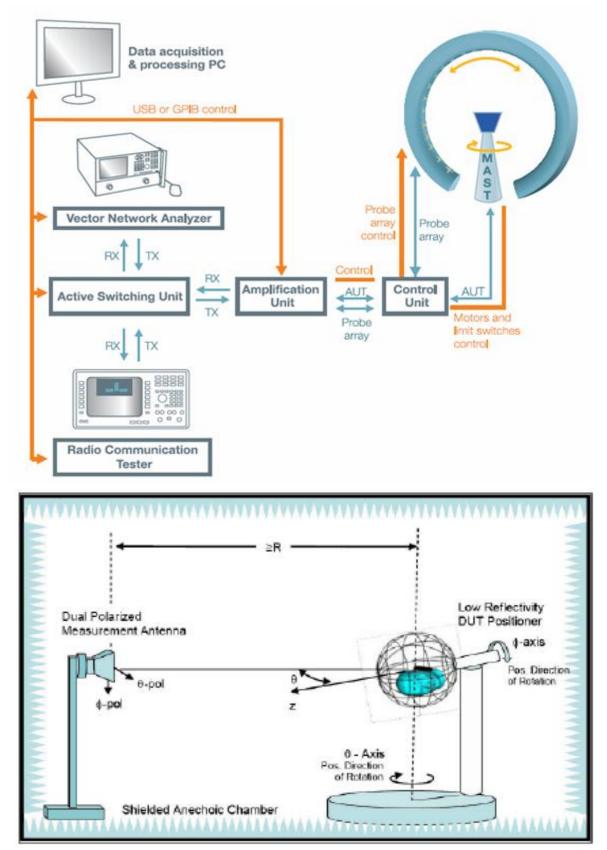


S Parameter Test





Test Setup



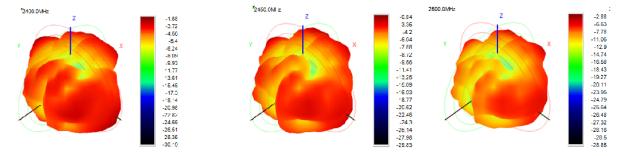


DONGGUAN SLEing INTEL-TECH CO., LTD

Test Efficiency

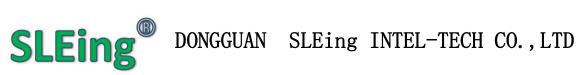
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5250.0	5350.0	5450.0	5550.0
Gain (dBi)	-1.68	-1.25	-1.08	-0.91	-0.85	-0.84	-0.96	-1.29	-1.84	-2.32	-2.88	-0.87	-0.37	-0.19	0.28	1.21
Efficiency (%)	23.69	32.95	33.64	34.41	24.09	23.25	22.25	21.15	25.89	28.97	28.13	21.57	22.35	24.54	28.14	24.33
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	5650.0	5750.0	5950.0	5050.0	6050.0	6150.0	6350.0	6250.0	6450.0	6550.0	6650.0	6750.0	6950.0	6050.0	7050.0	7150.0
	5050.0	5750.0	5650.0	3930.0	0030.0	0150.0	0250.0	0350.0	0430.0	0550.0	0050.0	0750.0	0050.0	0930.0	7050.0	/150.0
	1.19	2.67	2.56	1.61	1.12	-0.25	0.72	-0.95	-2.02	-3.20	0.21	0.32	0.52	0.36	0.41	0.56
	24.96	25.00	24.94	26.89	25.21	22.04	22.51	22.65	24.52	29.59	26.15	25.42	23.26	25.14	23.26	25.24

2.4GHz



5.8GHz

CIED ON LE	8 5300.0MHz 2 -0.19 -0.87 5300.0MHz -2.66 -3.61 -17.74 -1.19 -2.66 -3.61 -0.19 -0.19 -2.66 -3.61 -0.17 -0.19 -2.66 -3.61 -0.19 -0.19 -2.66 -3.61 -0.19 -0.19 -2.66 -3.61 -0.19 -0.19 -2.66 -3.61 -0.19 -0.19 -0.19 -2.66 -0.19 -0.19 -0.19 -2.66 -0.19 -0.19 -0.19 -3.61 -0.19 -0.19 -0.19 -2.66 -0.19 -0.19 -0.19 -2.66 -0.19 -0.19 -0.19 -0.19 -0.17 -0.19 -0.19 -0.19 -0.17 -0.19 -0.19 -0.19 -0.16 -0.19 -0.19 -0.19 -0.18 -0.19 -0.19 -0.19 -0.18 -	5500 OME 2 3 3 4 2 3 7 7 7 7 7 7 7 7 7 7 7 7 7	⁷ 5650.0MH2 2 1 1 1 1 1 1 1 1 1 2 9 1 3 1 1 1 2 9 1 3 1 1 2 9 1 1 3 1 1 2 9 1 1 3 1 1 2 1 9 1 1 1 1 2 1 9 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1
5800.0MHz Z	2.56 1.65 0.69 1.74 1.58 3.42 2.626 -17.11 1.595 -20.79 -22.63 -24.47 -26.52 -3.1.64 -3.08 -3.1.64 -3.68 -3.68 -3.68 -3.68 -3.68 -3.68 -3.68 -3.68 -3.68 -3.68 -2.68 -1.74 -1.58 -2.68 -1.74 -1.58 -2.68 -1.74 -1.58 -2.68 -1.74 -1.58 -2.68 -1.74 -1.58 -2.68 -1.74 -1.58 -2.68 -1.71 -2.68 -2.68 -1.71 -2.68 -2.68 -1.71 -2.68 -2.68 -3.42 -2.68 -3.447 -2.68 -3.447 -2.68 -3.048 -3.184 -3.08 -3.184 -3.68 -3.68 -3.184 -3.68 -3.68 -3.68 -3.184 -3.58 -3.653	181 073 162 2.46 -4.31 5.15 7.99 -1.483 -1667 -1852 -2203 -2226 -2404 -2609 -2773 -33.41 -33.25	X -0.25 -1.49 -3.44 -5.28 -7.712 -8.86 -10.81 -12.85 -14.49 -16.33 -16.17 -20.022 -21.86 -23.7 -25.54 -27.36 -29.23 -31.07
6650.DMHz V	0.32 0.57 0.57 2.01 -3.85 5.69 -7.54 -9.38 -1122 -13.06 -16.75 -16.75 -18.59 -24.11 -25.96 -27.8 -29.64 -29.64	0.41 -255 -4.39 -6.00 -7.92 -9.76 -113 -13.44 -16.13 -13.44 -16.13 -113 -19.7 -20.81 -22.65 -28.13 -28.14 -28.14 -28.14 -28.14 -28.14 -28.14 -28.14 -30.02	



Test TRP/ TIS

WLAN Whole Band TRP (dBm) 11.64 WLAN Whole Band TIS (dBm) 79.57

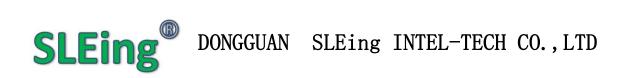
		Channel No.	Freq. (MHz)	TRP (dBm)	TIS (dBm)
	1	1	05215	11.13	227
Phone Tx	2	6	05215	12.35	227
(Uplink Path)	3	11	05 <u>215</u>	11.43	227
	4	10.000	05215		227
	5		05 <u>215</u>		227
	1	1	1922	122	-78.56
Phone Rx	2	6	122		-80.36
(Downlink Path)	<u>3</u>	11	1222	7227	-79.78
	4		122		
	5		1323	222	

802.11b-11M

		Channel No.	Freq. (MHz)	TRP (dBm)	TIS (dBm)
	1	36		10.51	
Phone Tx	2	149		11.19	
(Uplink Path)	3	161		10.27	
	4		-	-	
	5	-			
	1	36			-66.79
Phone Rx	2	149			-70.20
(Downlink	3	161			-69.11
Path)	4				
	5				

WLAN Whole Band TRP (dBm) 10.67 WLAN Whole Band TIS (dBm) -68.92

802.11a-54M



Throughput test

	7004 10	findow <u>H</u> el	ρ									
े द 🖬 📑 ज	0101-	- 12 - 24 - 4	4									
SBRCAN	BTAI	a 14 1 1		P2 10 1	P0 PC	1.14	0 XI	XIA.				
****		122 (21)										
			onse fine Raw De	ta Total	a Ballac	ont Confin	euretine					
-	Fair Group Same	But Status	Tisling Records Completed	ADA Cor	fidence Interval	Average Other?	Winister Mage	Masimo Masi	Nessured Time (sec)	Salative Fracision		
G All Pairs			6113			544.005	76.775	93.132				
Fair 1					-6,720		11.685	10110	10,111	9.961		
- Taur -	So Long	Finished		-0.076	+0.876	85.285	78.049	10.505	10,008	0.785		
	No Eritar	PLOLENES		-0.650	+0.830	85.181	78,365	31.543	10.101	8. TNG		
main 5	Re Arrest	Finished					78.138	10.148				
terr 1		Pinished				61-262	78.000					
	No Lines	Pinished	- 2	12	-0.648	85, 440	11,100	11.40	10,025	0.011		
	Br Lenna	Processes			-		77.165	30.201	10.004	10.000		
	Differ Science	Finished										
Throughput												
951.65	1942											201001
877.00	-	4 mm	na	m	~			Sa			m	-
477.00 -												
477.00												1
aloval 1												
217.00												
Contrasta Contrasta												N
17.00		1.1										
9:00:00	9:	66.18	0.00.0	14		0.00-3	0 (): AA 21		0.00.40		0.00:50	0:01:0

5.8G TX:844.60

-	Gew Bun	Teels W	findow Bel	þ.									
I O W	1 1	0][]4	0 0 0 1										
与监具	< < <	1741	a (1) 1 1	AL TOP 1609.4P1 8	P2 50 1	n ni	10.58	0 XI	AD				
021	发明		122 211										
est Setup. 1	throughout .	Transaction	Aute Seep	nias Time San De	te Total	s Brites	unt Desfie	ecretion]					
ring .		Pair Areas Same	Run Distus	Timing Records Completed		fidence Intervel	Avarage Ofgat	Minimum (Mige)	Maximum (Mhga)	Meanared time laws	Seletive Precision		
B B A11 1	Nairs.	1.5.1		643			864.202	77. 973	94, 563				
			Finishet							88.815			
			Finished			+0.557	FR. 634	82-632		BR, 318-	5.425		
			Finished		10.005	1.00	62, 103	10.2	85.100	38, 354	2.22		
			Finished		-0.400	-0.400	83, 000	85.453	10.002	01204			
		Re-Arrow	Finished		-0.494	10.404	89,645	16, 124	14100	19, 222	0.000		
E		Restored	Finantes		-0.041	10.000	10.000	AL ME	94.161	10.004	10.000		
		Ro-Longe	Finished		-	10.000	11.404	-	-		0.007		
		Re-Linner	Pinished						-	10.000			
					-0.408			54.748					
Through 開記 38 T ens. co	put				~	~~~			~~		~~~~	~~~~	7
216.00 -													
96.00 0:00:0	10	8.0	oð: 10	0.0d-:	10		0.00.3 ed time		ā	0:00:40		0.00.80	0:00:00

5.8G RX:864.20



Product packaging specification

Date: 202	24. 10. 09				page:	1of1
Name of finish	ned product	WIFI A	UX Antenna		customer	
Finished pro	duct number	SLEing	B241520280		REV.	X1
C#				be la th	abeled with p ne product na	bag, the PE bag should product labels to mark me, specifications, I heat seal processing.
单PCS天线((Single PCS	antenna)			80	* * * *
outer case	e toindicat	nould be affix the name, s the product.				ng: 20-60 bags per al 1000-3000PCS)
with "fact (6) Storag	cory inspec ge conditio	oducts should ction report". ons: temperatu 0%,The period	re: -5℃-+30			•
DESIGNED	Jreey	CHECKED	Jreey		APPROVED	Jongrei