

PRODUCT APPROVAL SHEET

Supplier Name: FN-LINK TECHNOLOGY CO., LTD.

Supplier Address: 14/F, Tower B, Phoenix Zhigu, No. 50 Tiezai Road, Gongle Community, Xixiang Subdistrict, Bao'an District, Shenzhen, China

Supplier Factory: No. 8 Litong Road, Liuyang Economic Development Zone, Changsha, Hunan, China

Supplier Tel: 86-755-2955-8186

Supplier Website: www.fn-link.com

Antenna Test Report

antenna testing

Customer	
Project Name	LDS-2
Customer NO.	1205170100004
specification	LDS-2, WiFi FPC antenna; antenna size: 47 x 15 mm; with 1.13 white coaxial cable, length 190 mm; Gen-1 (I-PEX) connector; FPC with black solder mask; silkscreen in white: "LDS_V0.9.7_WIFI"; 3M 9471 adhesive + 0.225 PET stiffener; substrate one-and-a-half pairs; solder joints sealed with UV glue.
Supplier NO.	205050224117
Specification NO.	205050224117
Write by	
REV.	Ver.1
Date	2026-9-18

Revision History				
Change Date	Change Description	Version	Changed By	Approved By

1. Approval Sheet Index

No.	Content	Page
—	Approval Sheet Cover	1
—	Revision History	2
1	Approval Sheet Index	3
2	Test Equipment & Conditions	4
3	Sample Structure Description	5
4	Finished Antenna Drawing	6
5	Reliability Test	7
6	OTA Test Data	8

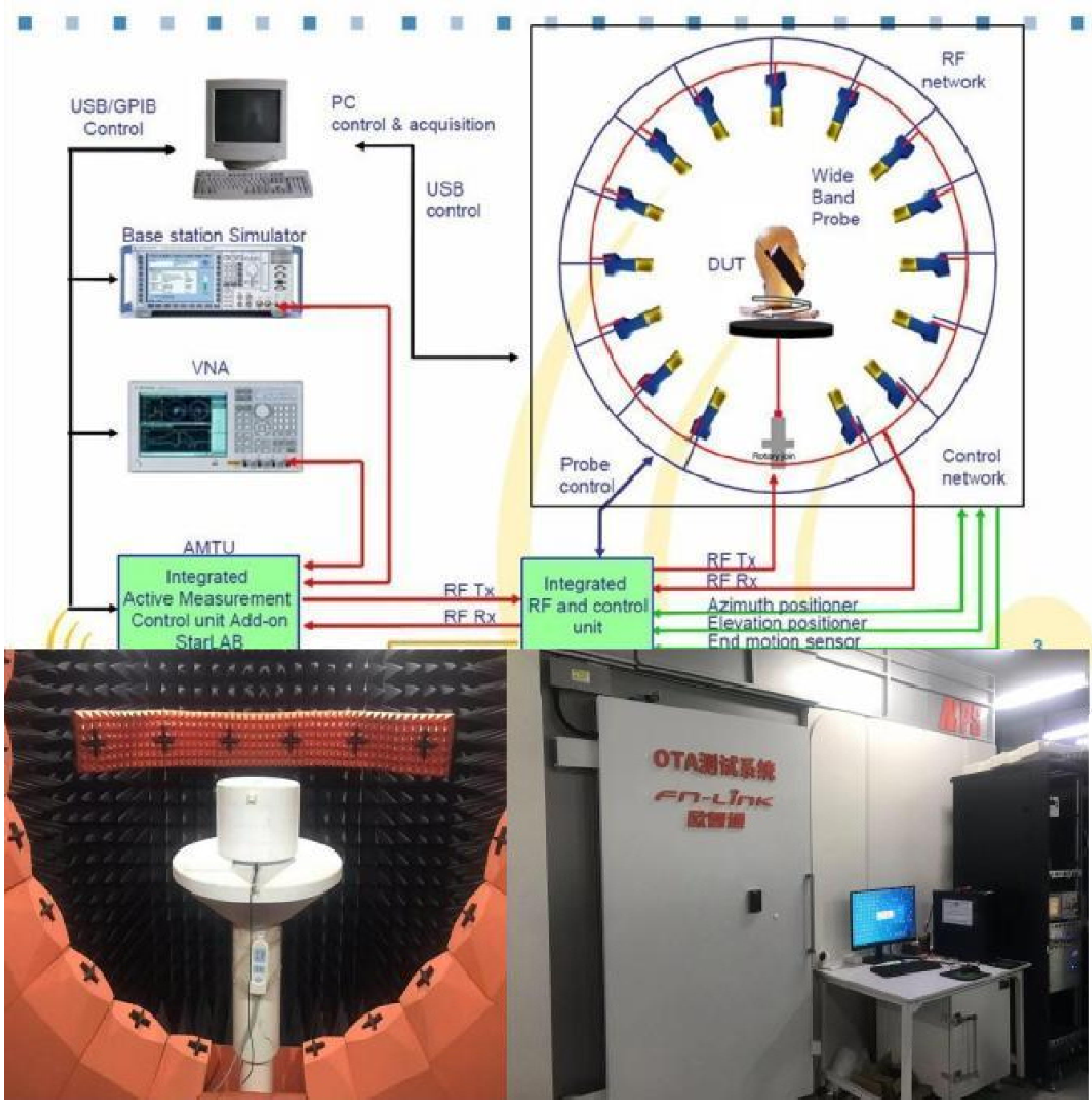
1. Test Equipment & Conditions

1.1 · Network Analyzers : KEYSIGHT P5002A

1.2 · Communications Test Set: R&S CMW 500

1.3 · 3D Chamber Test System: 24-Probe Test System

1. Test schematic of the microwave anechoic chamber



2. Description: This report summarizes the electrical performance results of the project antenna, including S11 parameters, Gain and Efficiency.

Reliability Test Photos

1. Sample Photos Before Test



2. Equipment Photos



3. Test Process Photos



4. Equipment Parameter Settings



Reliability Test

Report Date:	2026 9 13	Report No.	RD/GD- 201050224100
Product name	LDS-2	Customer P/N	201050224100
Customer		Number of test	3pcs
Test Standard	GB/T2423.1- 2008	Test time	2026-9-13 11:002026-9- 15 11:00

I. Test Conditions / Methods

To ensure normal use of the customer's product in high- and low-temperature environments with optimal antenna performance;

2. Place the product in a constant temperature & humidity chamber: 2 cycles between 70 deg C and -20 deg C, 12 h per cycle; after the test, keep at room temperature for 1-2 h before inspection;

II. Acceptance Criteria

After the test, the antenna is judged as qualified if it meets the following requirements: 1) the antenna performance meets specifications; 2) the appearance is acceptable;

Antenna Reliability Test Report - Index Table

Test Item	Start Time	End Time	Sample Qty	Test Report	Result (Pass/Fail)	Remarks
High/Low Temp. Test	2026-9-13	2026-9-15	3PCS	High/Low Temp. Report	Pass	
Constant Damp Heat Test	2026-9-13	2026-9-13	3PCS	Damp Heat Report	Pass	
Salt Spray Test	2026-9-11	2026-9-11	3PCS	Salt Spray Report	Pass	
Knock (Impact) Test	2026-9-10	2026-9-10	3PCS	Knock Test Report	Pass	
Single-Unit Drop Test	2026-9-10	2026-9-10	3PCS	Single-Unit Drop Report	Pass	
Date :2026/09/15 Checked by: Date :2026/09/15						

OTA Test Data

B Mode (802.11b)			
Band	1	6	11
TRP	13.24	14.89	14.78
TIS	-72.76	-75.67	-71.86

G Mode (802.11g)			
Band	1	6	11
TRP	12.82	13.29	13.98
TIS	-66.89	-66.19	-65.53

N Mode (802.11n)			
Band	1	6	11
TRP	13.85	13.76	13.96
TIS	-61.56	-61.28	-61.62

A Mode (802.11a)			
Band	1	6	11
TRP	10.02	9.27	14.82
TIS	-86.57	-83.27	-83.6

E5071C Network Analyzer

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

Resize

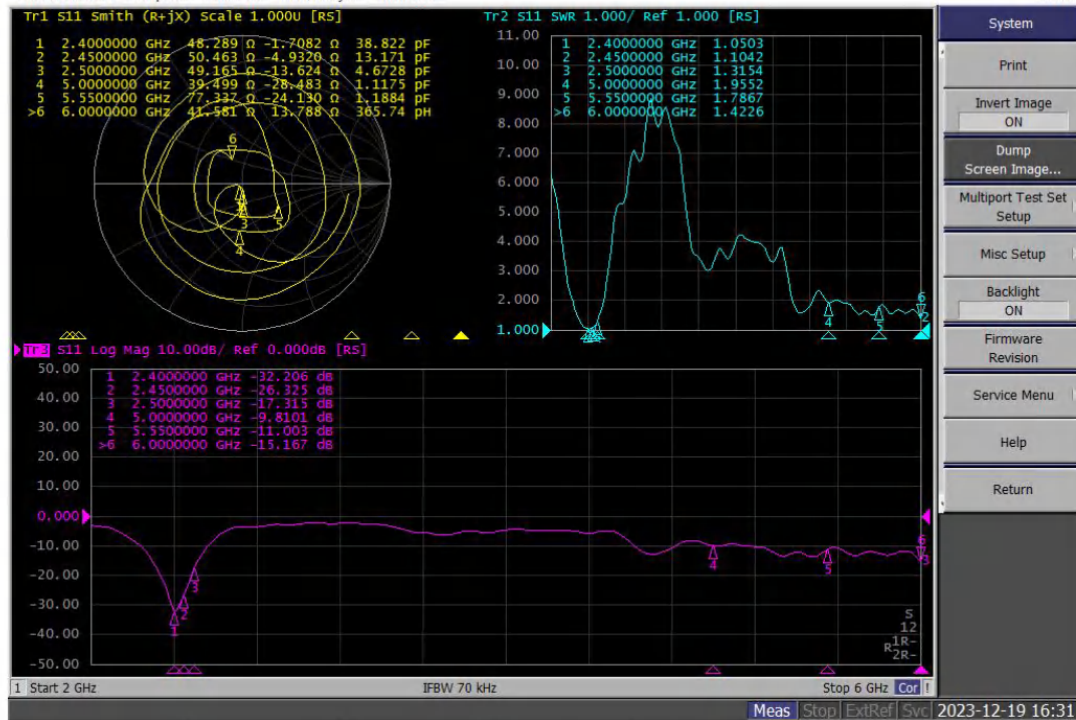


Freq/MHz	2400	2450	2500	5000	5500	5850
VSWR	1.6	1.3	1.3	1.6	1.4	1.5

E5071C Network Analyzer

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

Resize



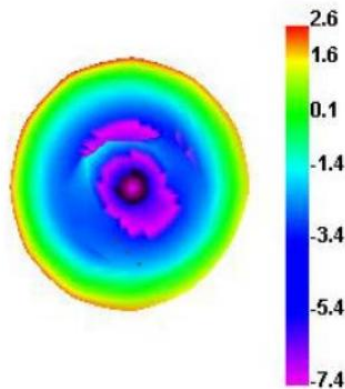
Freq/MHz	2400	2450	2500	5000	5500	5850
VSWR	1.0	1.1	1.3	1.9	1.7	1.4

6.Gain/Efficiency

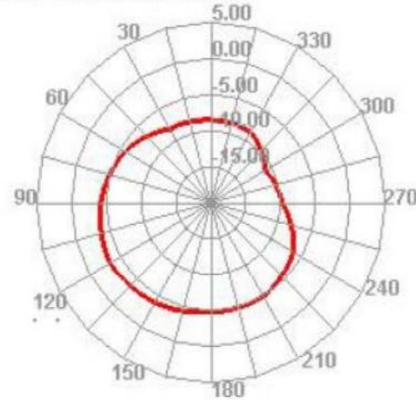
频率 (MHz)	增益 (dBi)	效率 (%)
2400	1.12	47.04
2410	1.05	46.79
2420	1.24	47.48
2430	1.18	45.82
2440	1.55	48.31
2450	1.28	45.94
2460	1.46	46.00
2470	1.23	46.92
2480	1.08	48.51
2490	1.22	46.98
2500	1.31	47.86
5150	2.22	42.25
5220	2.34	41.78
5290	2.01	42.66
5360	2.55	42.74
5430	2.1	42.22
5500	3.14	42.50
5570	2.89	41.17
5640	2.46	41.86
5710	2.64	42.11
5780	2.86	41.56
5850	2.86	41.14

Antenna 2D Radiation pattern :

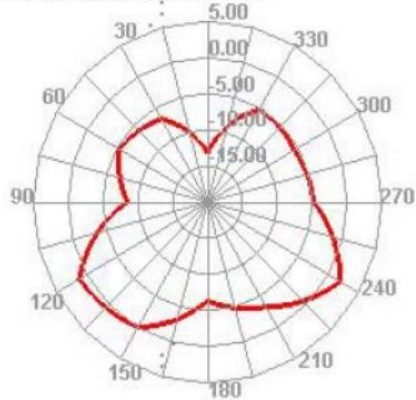
2400.000MHz



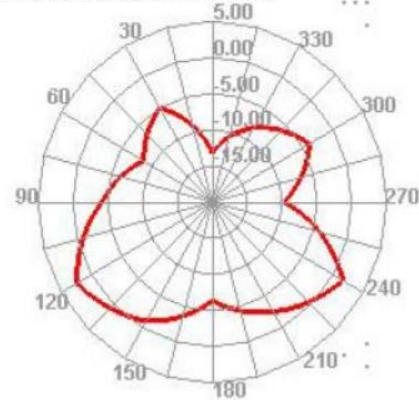
2400.000MHz H



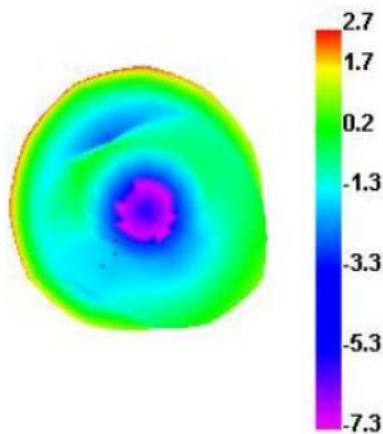
2400.000MHz E1



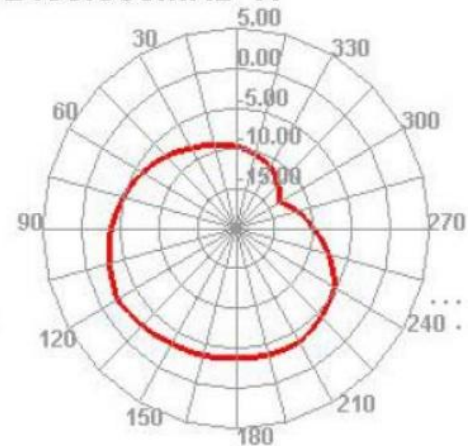
2400.000MHz E2



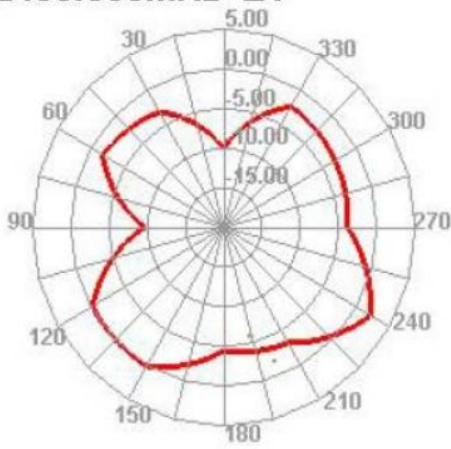
2450.000MHz



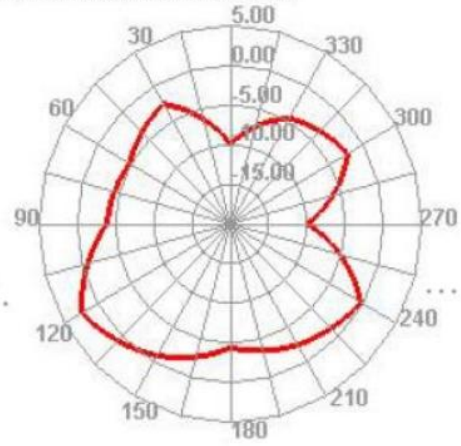
2450.000MHz H



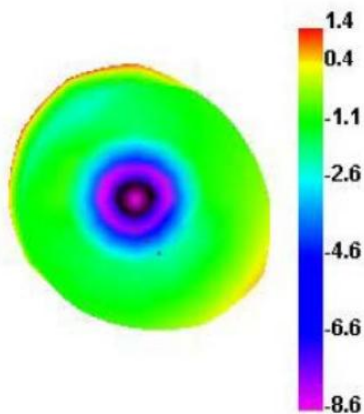
2450.000MHz E1



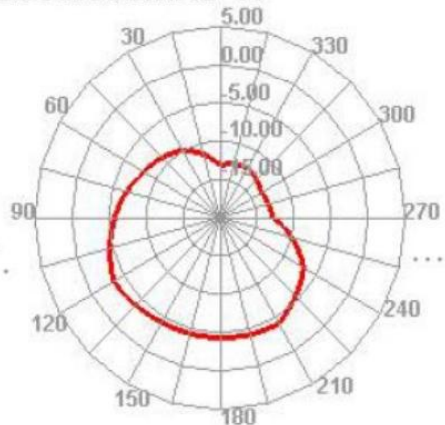
2450.000MHz E2



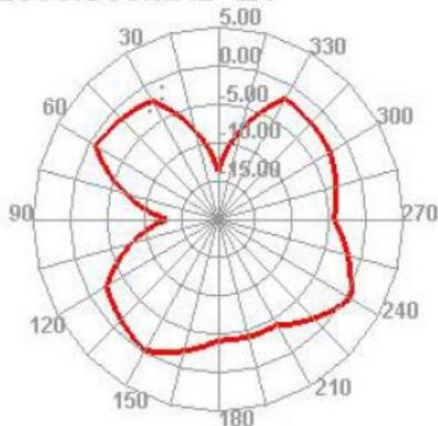
2500.000MHz



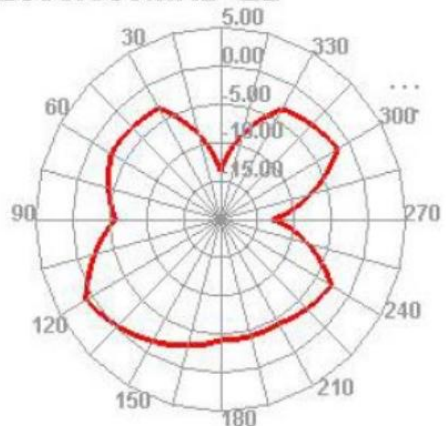
2500.000MHz H



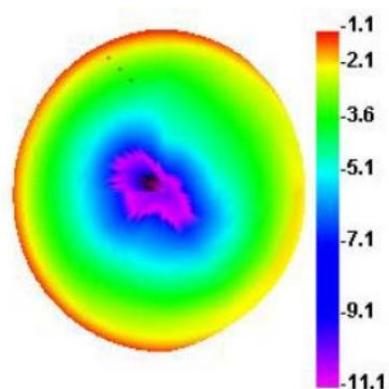
2500.000MHz E1



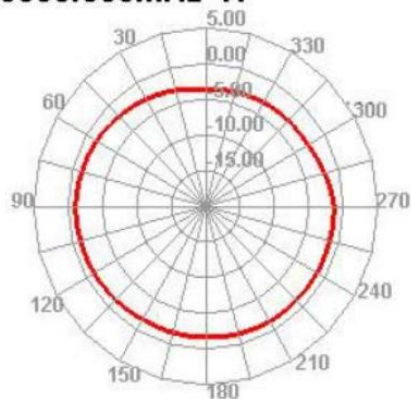
2500.000MHz E2



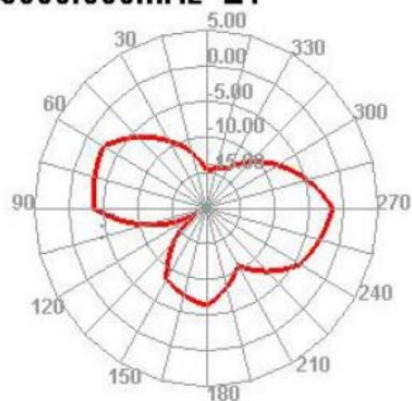
5000.000MHz



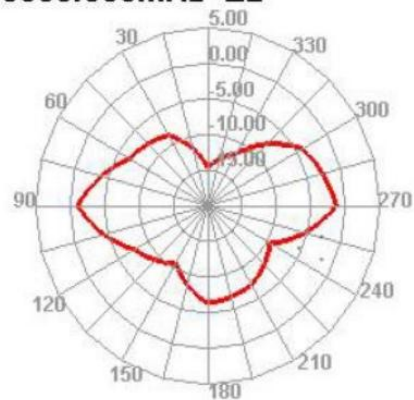
5000.000MHz H



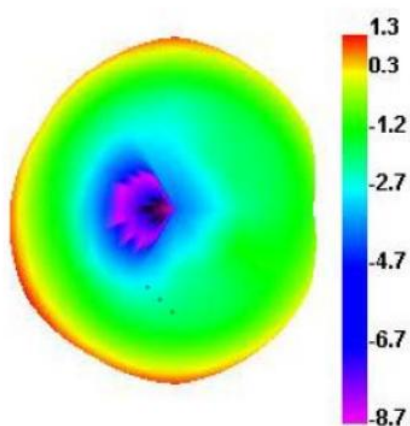
5000.000MHz E1



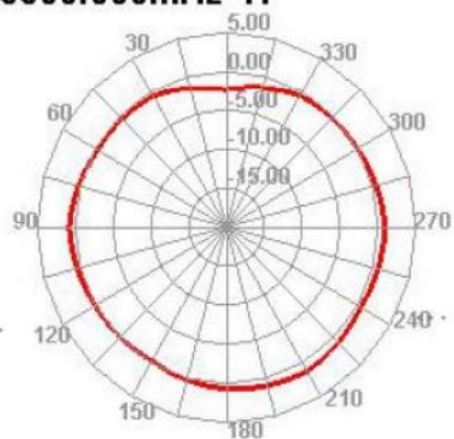
5000.000MHz E2



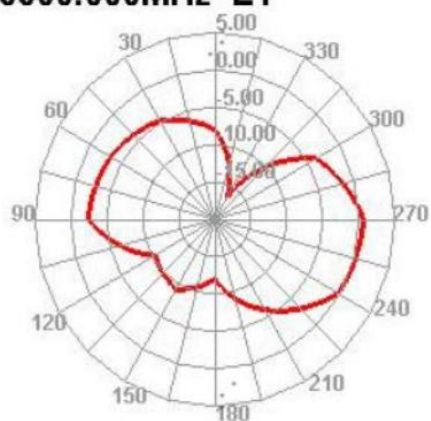
5500.000MHz



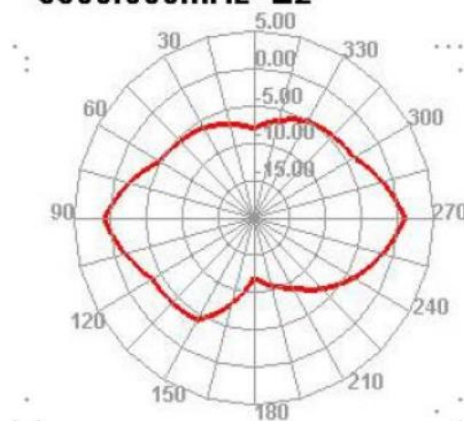
5500.000MHz H



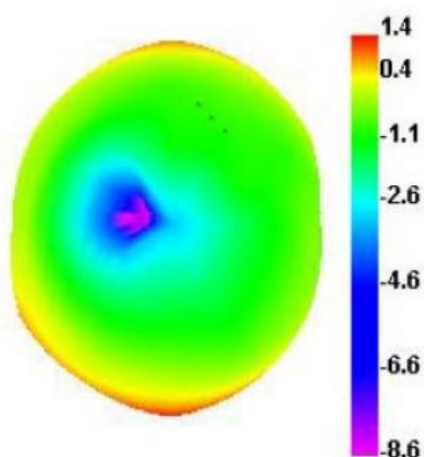
5500.000MHz E1



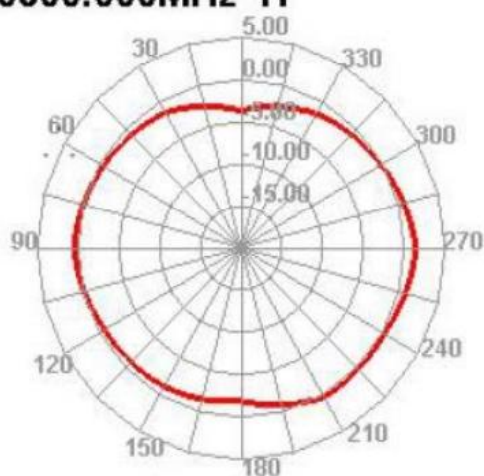
5500.000MHz E2



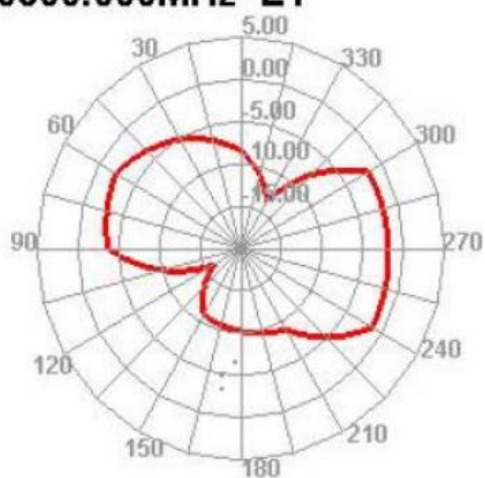
5800.000MHz



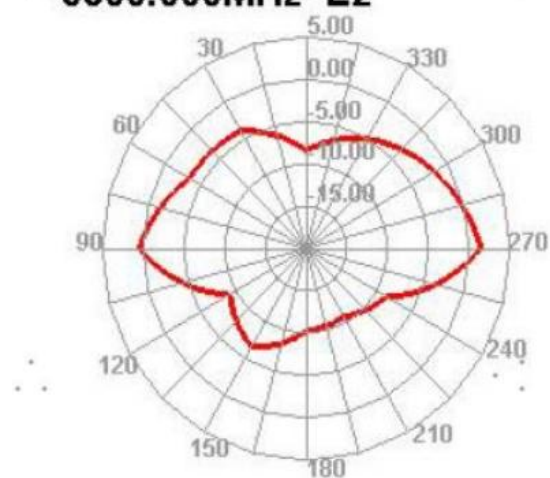
5800.000MHz H



5800.000MHz E1



5800.000MHz E2



Appendix: English Translation of the Packaging Specification (Page 7)

FN-LINK TECHNOLOGY CO., LTD.

Packaging Specification

Version	Revision Details		Revision Date	Revised by	
Operation Method (flow to the next process only after the self-inspection of this process passes) 1. Every 100 pcs are twisted into one bundle; two bundles (200 pcs in total) are put into one PE bag (a label must be attached, indicating the quantity and the model). 3,000 pcs per carton; any remainder is packed in an additional PE bag. 2. Pack the bagged products into cartons, using double-wall (double-layer corrugated) cartons as the outer packaging (total quantity as per the actual situation). After the carton is sealed, affix a label at the upper-right corner (part number, quantity, model, specification, date). (In special cases, the packing quantity shall follow the customer's requirements.) Illustrations are for reference only; the actual product prevails.			Material Name / Check Points		
			1) Check whether the labels are correctly attached (no misplacement or omission) and whether the cartons are damaged.		
			2) Attach the outgoing (pre-shipment) inspection report.		
			Material	Usage	Specification
			PE open bag	1/200	210 x 180 mm
			Carton	1/3000	370 x 310 x 310 mm
Label					
Project Name: LDS-WIFI			Product Name: FPC + coaxial cable		
			Date: 2026.09.18	Prepared by:	

Note: the packaging specification form on page 7 of the source document is embedded as a raster image; this appendix page provides its full English translation.