

物 料 规 格 书 Material specification sheet

SPECIFICATION FOR APPROVAL

拓竹项目名Name of Tuozhu Project:
 N10

拓竹Tuozhu P/N:
 Y. TX. FP. Z00206-03

睿翔(Innowave) 项目名Innoway Project Name:
 JR33

天线型号Antenna model:
 NXA350

睿翔(Innowave) P/N:
 F262R3312T11000

产品描述Product Description
 JR33-FPC天线成品JR33-FPC antenna finished product

版本version
 版本version:1.0

制定日期Date of enactment
 Date: 2026-7-21

制订	审核	核准	客户验收
Prepared	Checked	Approved	Accepted

版本version

版本version	日期 Date	内容content	作者 author
V1.0	2026-07-21	初版first edition	谭杰Tan Jie

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一.产品规格说明Product Specifications

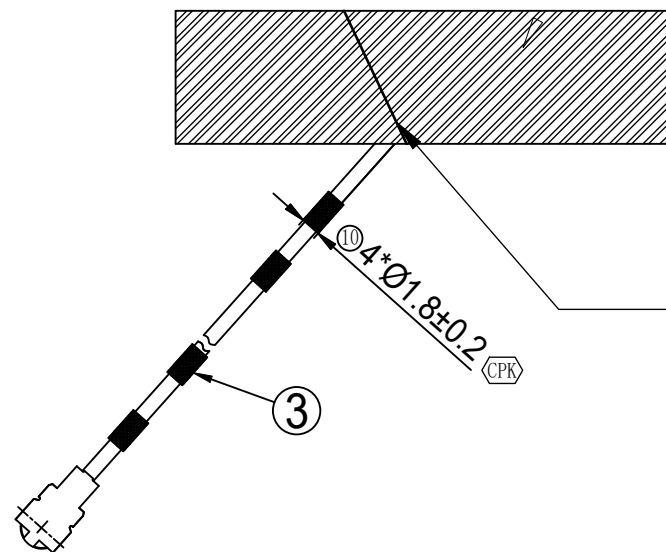
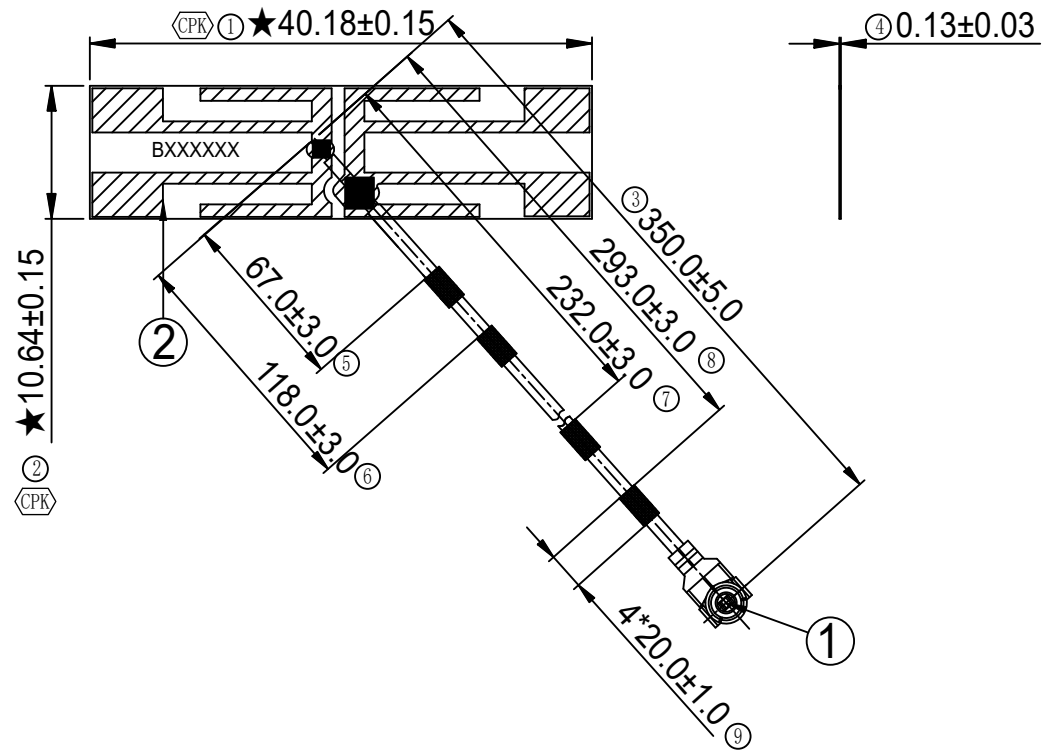
WIFI 天线技术指标 Antenna technical specifications	
天线尺寸 antenna size	40.18*10.64*350mm
同轴线 coaxial cable	Φ=1.13MM L=350mm
接头Connector	第一代端子First generation terminal
频率范围frequency range (MHZ)	2400MHz-2500MHz 5150MHz-5850MHz
特性阻抗characteristic impedance(Ω)	50
电压驻波比 Voltage Standing Wave Ratio	<2.2
效率efficiency	50%@2400MHz;45%@5800MHz
最大增益Maximum gain(dBi)	4.04@2.4GHz;4.34@5GHz
极化方式polarization mode	线极化Linear polarization
方向性directionality	全向omnidirectional
ROSH 标识 ROSH mark :	产品符合 RoHS 法规要求 The product complies with RoHS regulations

二.产品图纸Product drawing

RoHS
Compatible

CUSTOMER	
PART NO	

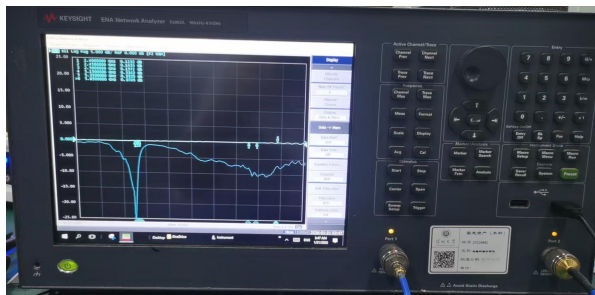
REV.	DESCRIPTION	DATE
T06		2026-05-27
V01		2026-07-17



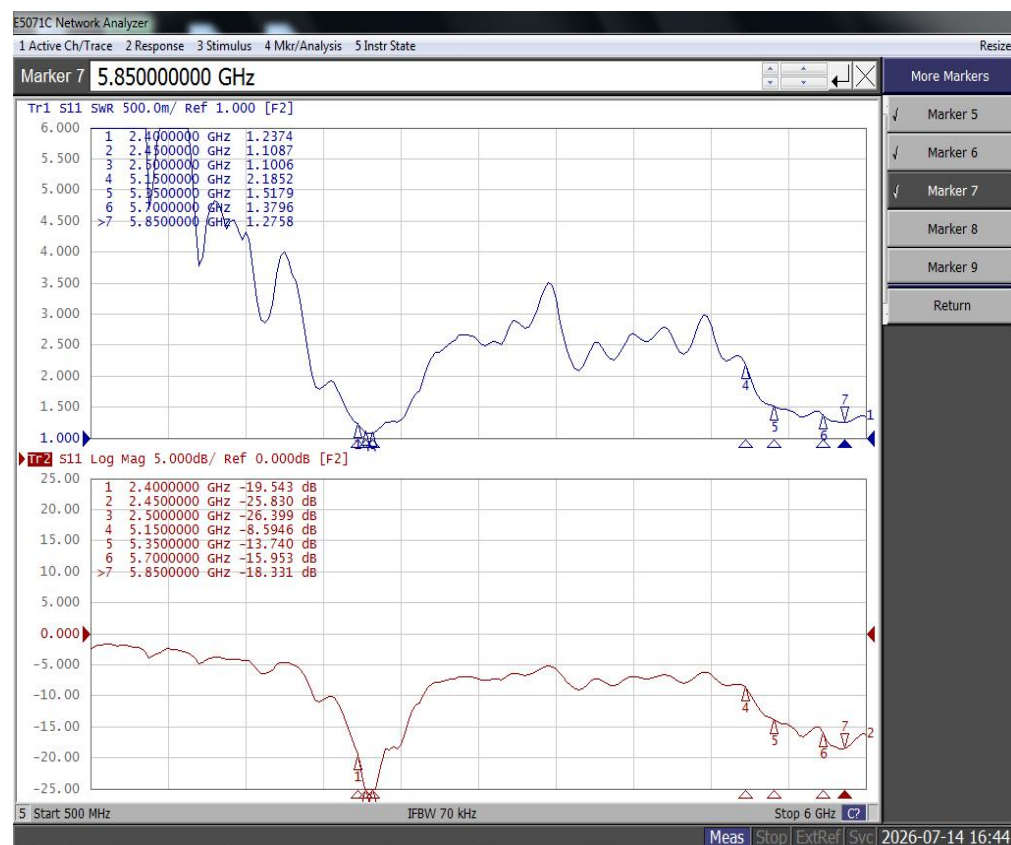
mm

三.产品测试Product testing

3.1 测试环境test environment :



3.2 Return Loss/VSWR 测试Return Loss/VSWR test



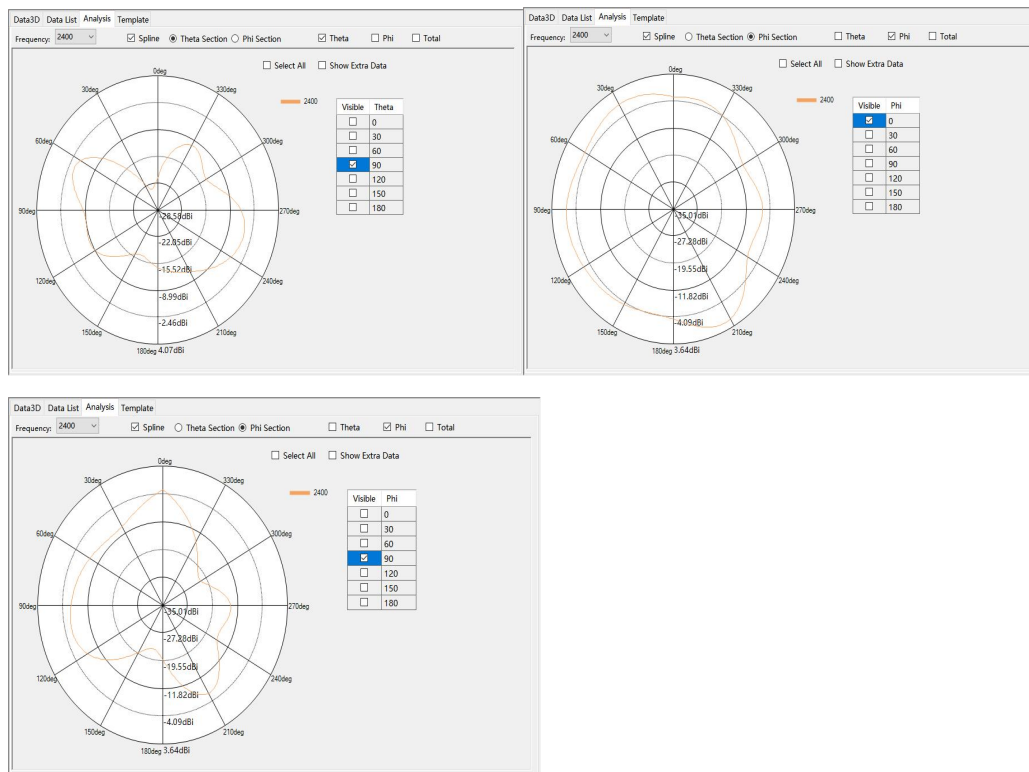
3.3 增益&效率Gain&Efficiency

频率frequency (MHz)	dB	增益Gain(dBi)	效率Efficiency(%)
2400	-2.53	4.04	55.82
2410	-2.63	3.82	54.54
2420	-2.57	3.79	55.4
2430	-2.44	3.82	57.05
2440	-2.37	3.72	57.99
2450	-2.4	3.53	57.57
2460	-2.53	3.45	55.89
2470	-2.67	3.36	54.13
2480	-2.65	3.49	54.35
2490	-2.4	3.97	57.58
2500	-2.29	4.43	59.02
5160	-3.56	2.2	44.1
5180	-3.75	2.14	42.2
5200	-4.19	1.74	38.08
5220	-3.9	2.1	40.73
5240	-3.06	3.11	49.39
5260	-2.97	3.44	50.48
5280	-3.62	2.88	43.43
5300	-4.04	2.45	39.47
5320	-3.83	2.98	41.38
5340	-3.11	3.86	48.81
5360	-3.15	3.97	48.36
5380	-3.57	3.62	43.98
5400	-3.93	3.18	40.43
5420	-3.5	3.45	44.69
5440	-3.14	3.72	48.56
5460	-2.99	3.76	50.27
5480	-3.19	3.5	47.94
5500	-3.17	3.51	48.14
5520	-2.84	3.87	52.05
5540	-2.37	4.34	57.89
5560	-2.63	4.02	54.6
5580	-3.2	3.26	47.91
5600	-3.69	2.56	42.78
5620	-3.54	2.48	44.29
5640	-2.94	2.77	50.84
5660	-2.85	2.59	51.88
5680	-3.45	2	45.21
5700	-3.78	1.86	41.91

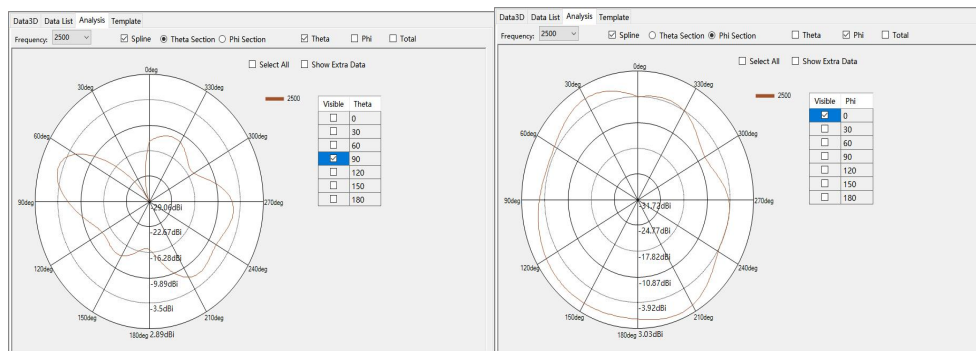
频率frequency (MHz)	dB	增益Gain(dBi)	效率Efficiency(%)
5720	-3.64	2.13	43.26
5740	-2.9	2.82	51.23
5760	-2.75	2.81	53.09
5780	-3.11	2.73	48.83
5800	-3.59	2.46	43.75
5820	-3.55	2.68	44.17
5840	-2.93	3.42	50.94

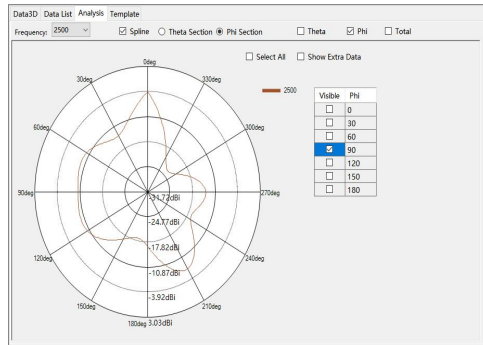
3.4 方向图Pattern：

2400MHz

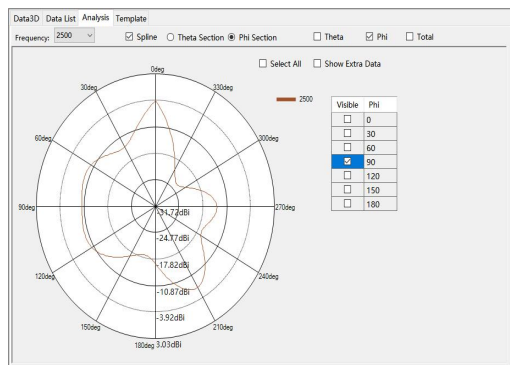
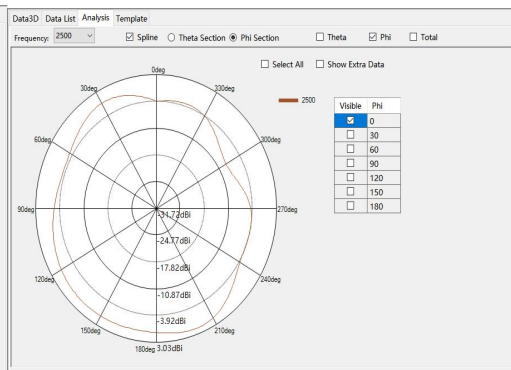
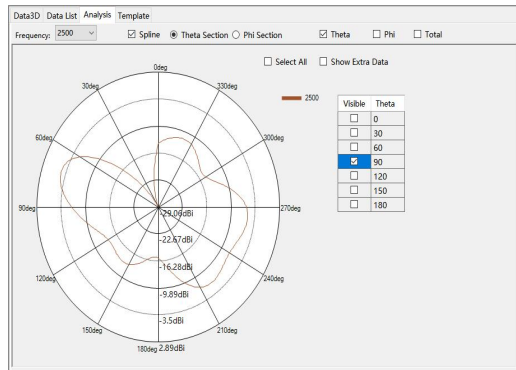


2450MHz

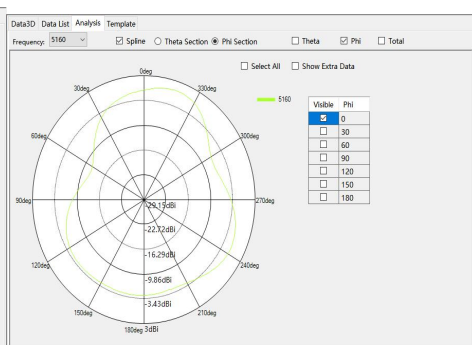
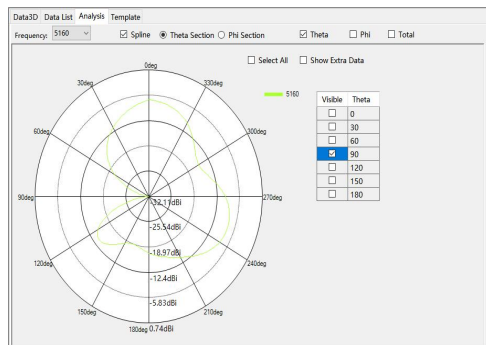


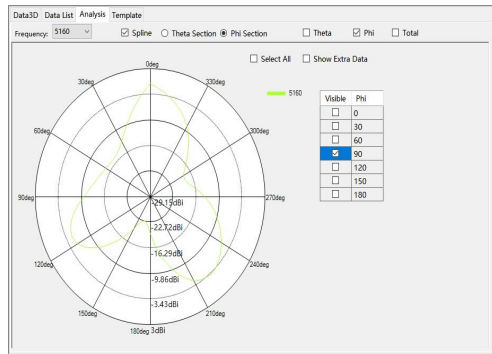


2500MHz

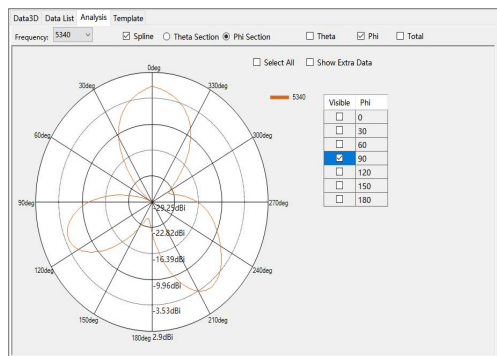
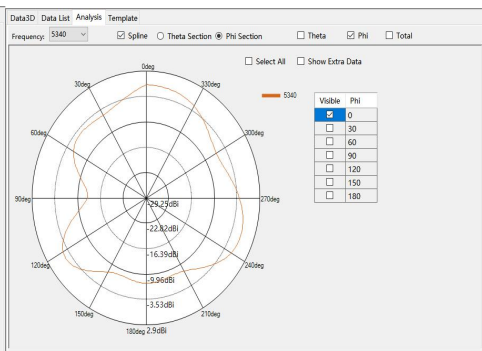
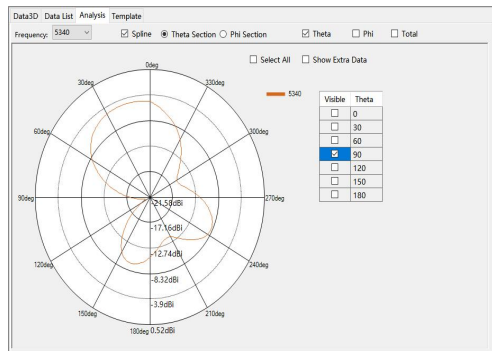


5160MHz

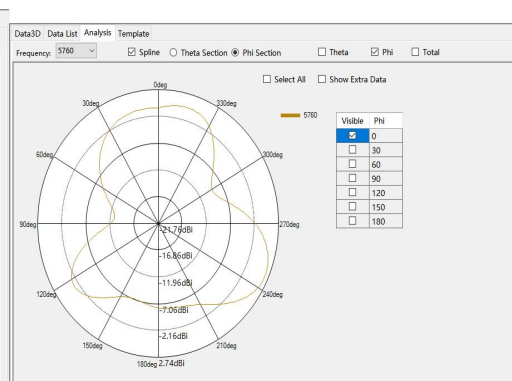
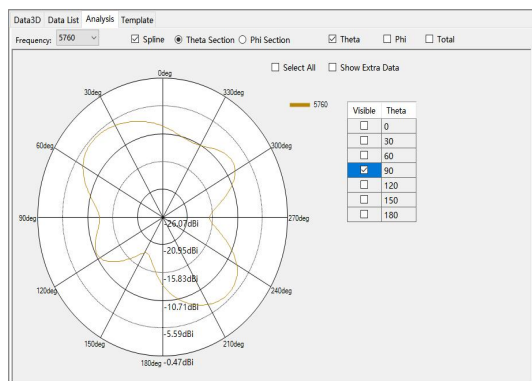


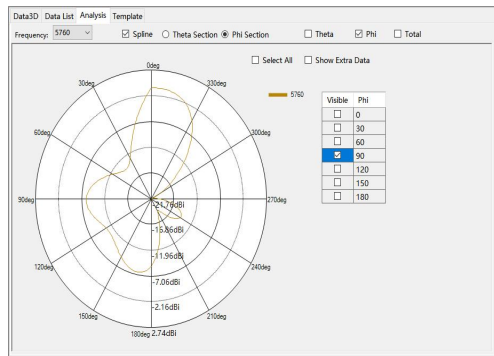


5340MHz



5760MHz





5840MHz

