



物料规格书
Material specification sheet

SPECIFICATION FOR APPROVAL

拓竹项目名Name of TuoZhu Project:
N11

拓竹TuoZhu P/N:
Y. TX. FP. Z00207-02

睿翔(Innowave) 项目名Innoway Project Name:
JS33

天线型号Antenna model:
NXIA281

睿翔(Innowave) P/N:
F262S3312T11000

产品描述Product Description
JS33-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 Prepared	审核 Checked	核准 Approved	客户验收 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

目录catalogue

目录catalogue.....	2
一.产品规格说明Product Specifications.....	3
二.产品图纸Product drawing.....	3
三.产品测试Product testing.....	4-9

一.产品规格说明Product Specifications

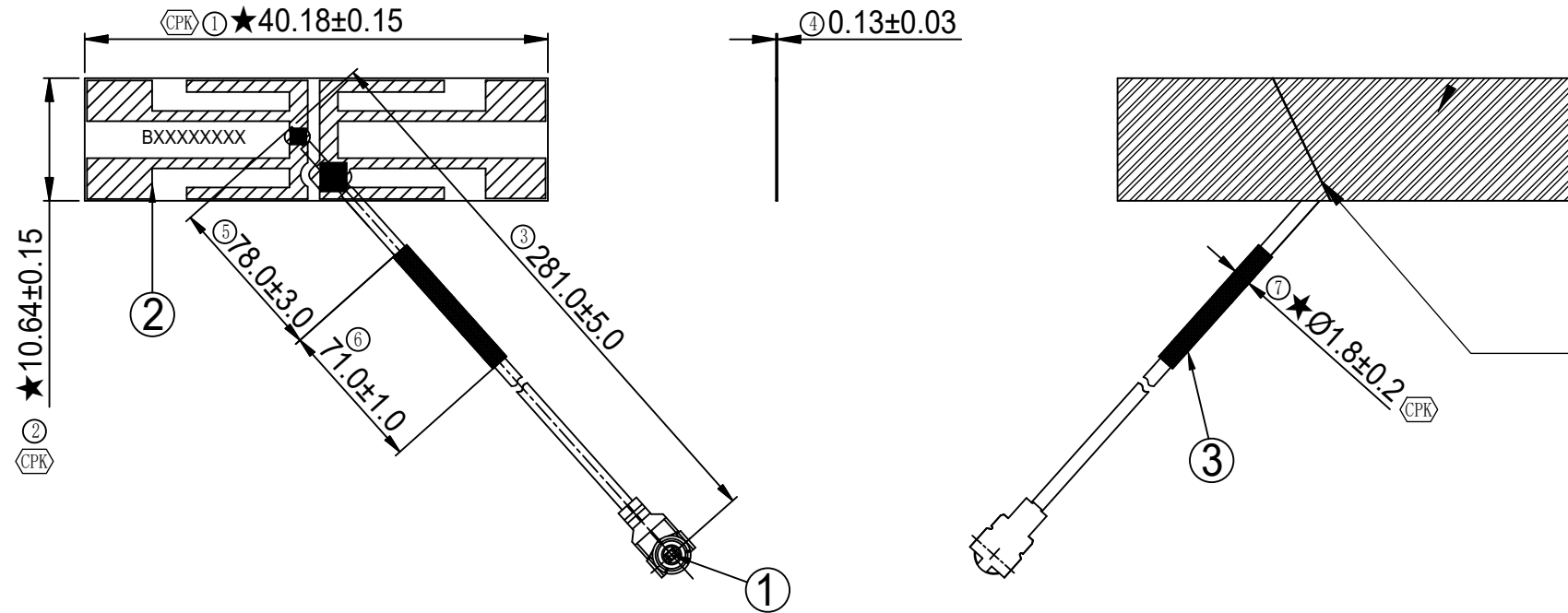
WIFI 天线技术指标Antenna technical specifications	
天线尺寸 antenna size	40.18*10.64*281mm
同轴线 coaxial cable	Φ=1.13MM L=281mm
接头Connector	第一代端子First generation terminal
频率范围frequency range (MHz)	2400MHz-2500MHz 5150MHz-5850MHz
特性阻抗characteristic impedance(Ω)	50
电压驻波比 Voltage Standing Wave Ratio	<2
效率efficiency	45%@2400MHz;40%@5800MHz
最大增益Maximum gain(dBi)	5.07@2.4GHz;3.15@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

Compatible

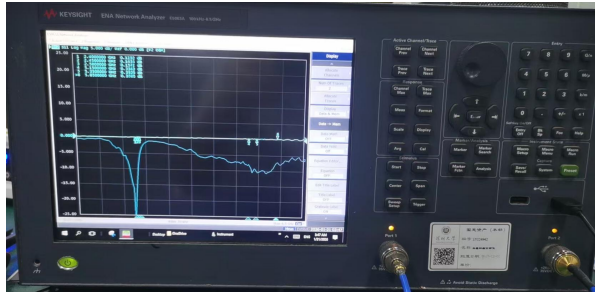
PART NO

unit:mm

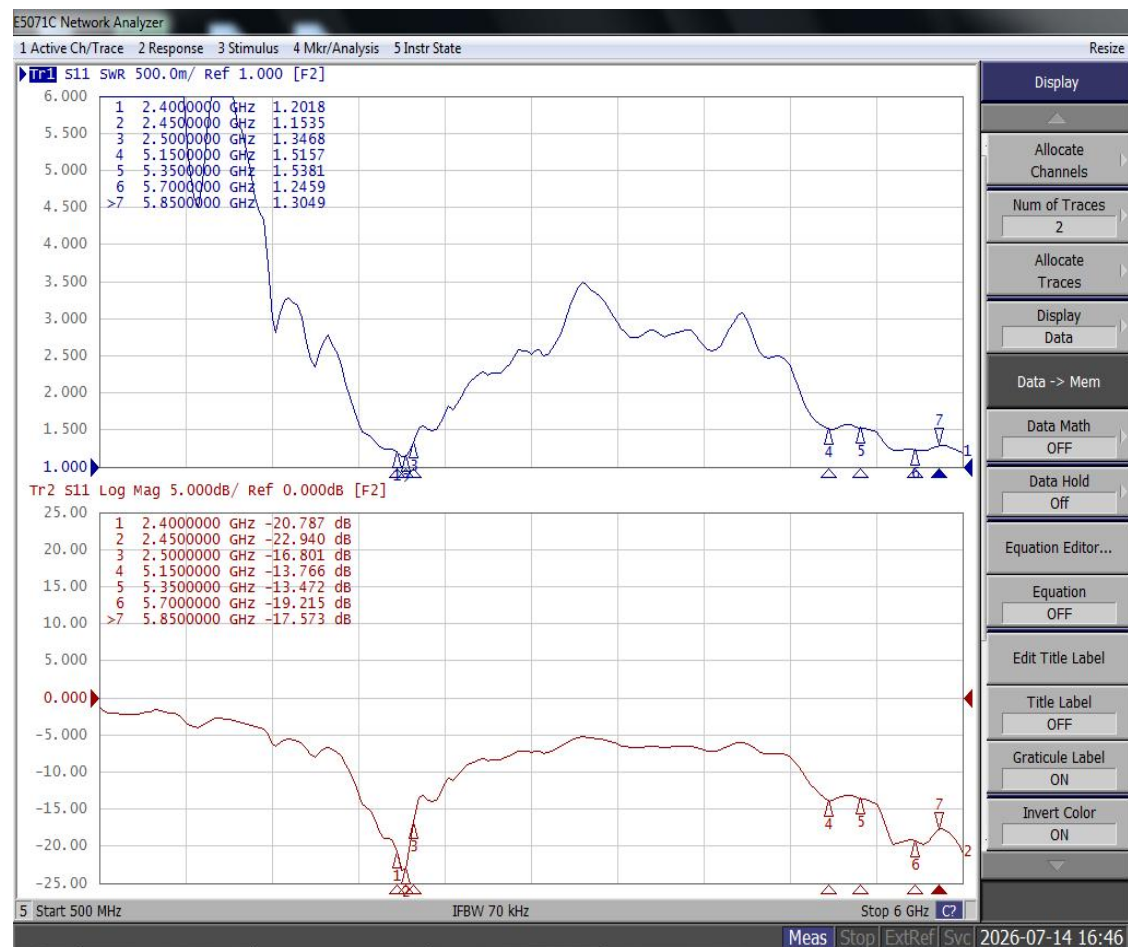


三.产品测试Product testing

3.1 测试环境test environment :



3.2 Return Loss/VSWR 测试 Return Loss/VSWR test :



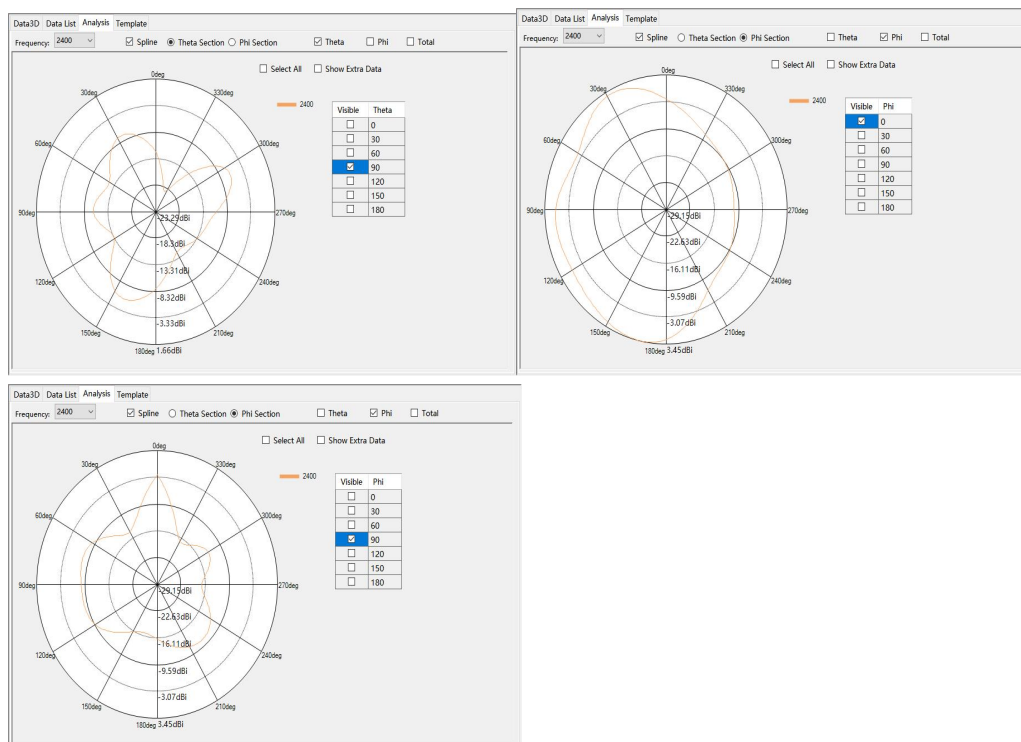
3.3 增益&效率Gain&Efficiency

频率frequency (MHz)	效率Efficiency (dB)	增益Gain (dBi)	效率Efficiency (%)
2400	-3.12	3.45	48.78
2410	-3.18	3.62	48.13
2420	-3.05	3.81	49.5
2430	-2.86	4.19	51.74
2440	-2.76	4.52	52.95
2450	-2.78	2.81	52.74
2460	-2.89	4.74	51.37
2470	-3.06	4.72	49.38
2480	-3.08	4.84	49.24
2490	-2.82	5.07	52.26
2500	-2.65	2.63	54.36
5160	-2.7	1.04	53.67
5180	-3.14	2.35	48.53
5200	-3.29	1.99	46.88
5220	-3.08	2.01	49.26
5240	-2.76	2.04	52.99
5260	-2.89	1.65	51.44
5280	-3.18	1.48	48.08
5300	-3.55	1.35	44.17
5320	-3.72	1.51	42.42
5340	-3.3	1.56	46.76
5360	-3.03	2.29	49.83
5380	-2.84	2.34	51.95
5400	-3.46	1.64	45.12
5420	-3.34	1.67	46.34
5440	-2.82	2.15	52.23
5460	-2.38	2.75	57.8
5480	-2.47	2.69	56.66
5500	-2.78	2.46	52.78
5520	-2.67	2.55	54.06
5540	-1.97	3.15	63.48
5560	-2.1	3.04	61.63
5580	-2.83	2.23	52.07
5600	-3.34	1.83	46.32
5620	-3.17	2.23	48.2
5640	-2.35	3.05	58.21
5660	-2.36	2.94	58.09
5680	-3.17	2.17	48.23
5700	-3.53	1.72	44.34

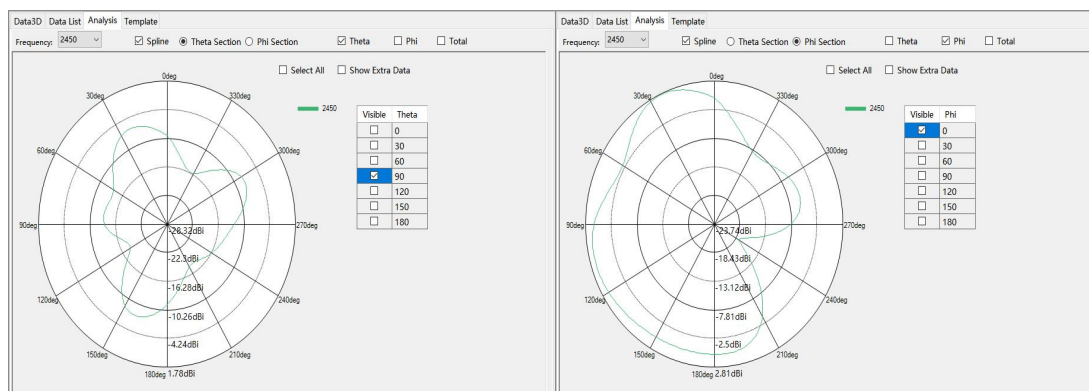
5720	-3.27	1.77	47.13
5740	-2.62	2.28	54.73
5760	-2.6	1.64	54.9
5780	-3.17	1.71	48.23
5800	-3.72	1.17	42.45
5820	-3.46	1.41	45.04
5840	-2.9	1.87	51.24

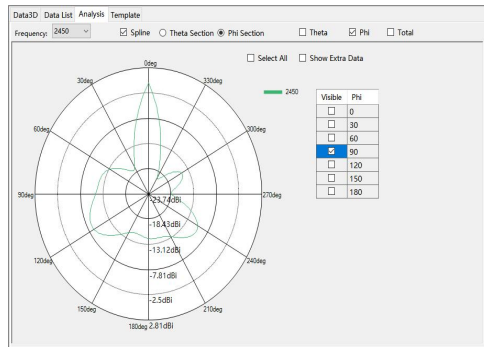
3.4 方向图Pattern :

2400MHz

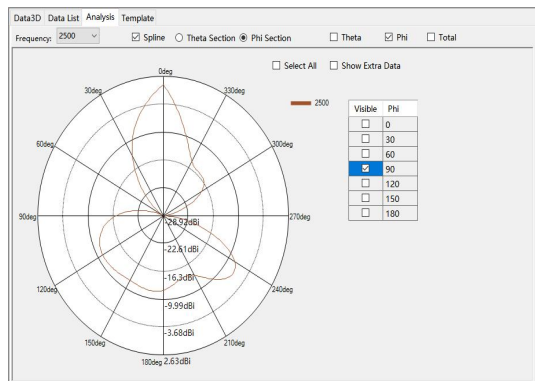
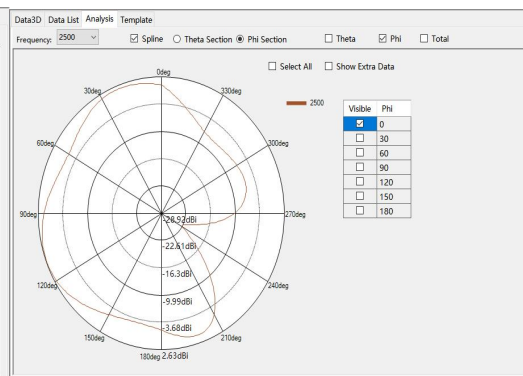
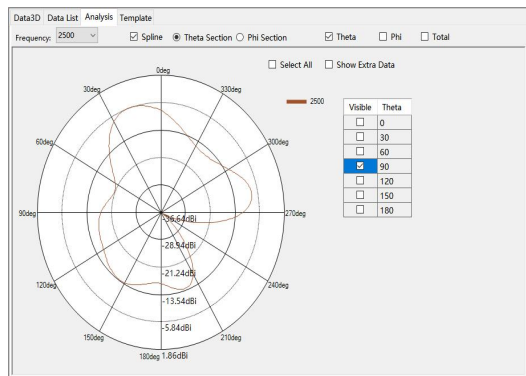


2450MHz

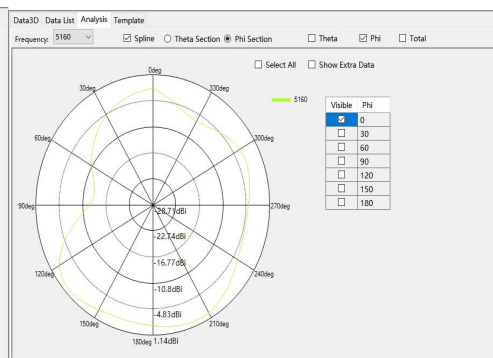
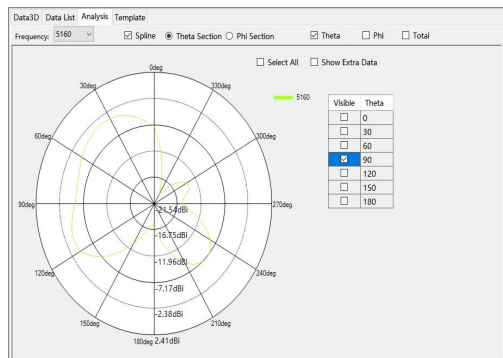


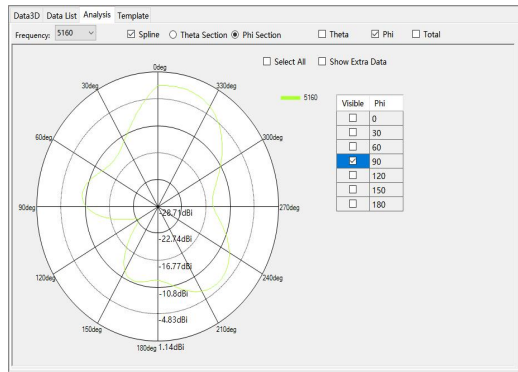


2500MHz

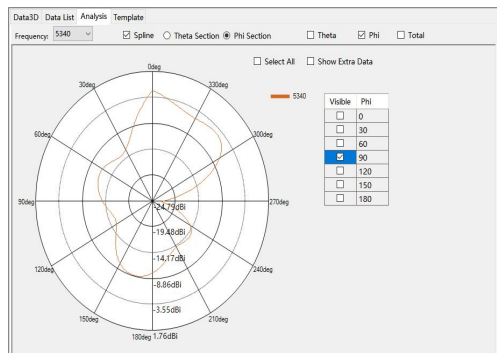
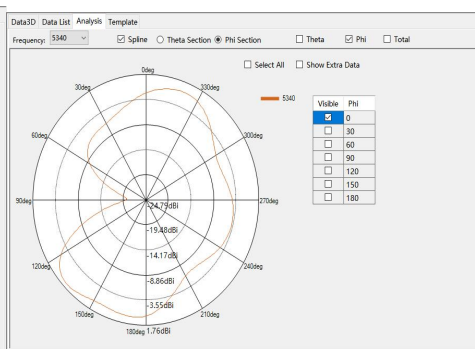
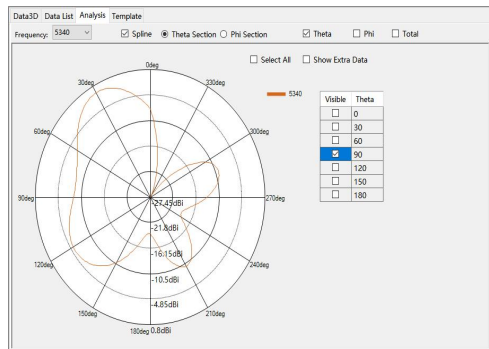


5160MHz

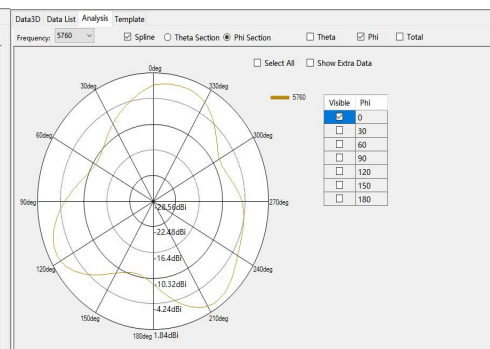
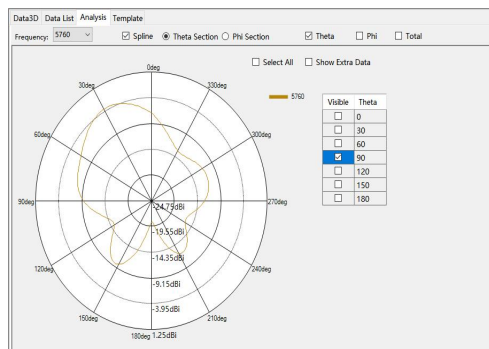


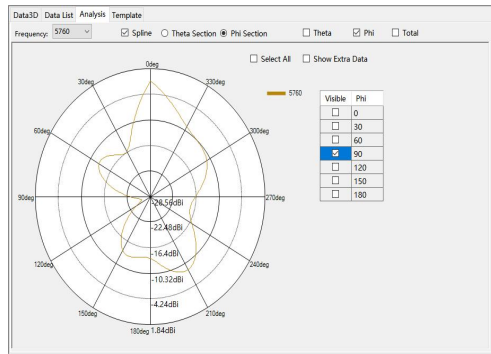


5340MHz



5760MHz





5840MHz

