



Shenzhen Jiexuntong Wireless Technology Co., LTD

Antenna specification

Customer name: Hongwei

Project model: N3S

Antenna specification: 4G FPC Antenna



Recognition Letter Change CV

editi on	date	Change description	remark
R/A	2025-12-1	First edition	



Shenzhen Jixuntong Wireless Technology Co., Ltd

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1. Antenna assembly picture



2. Test environment

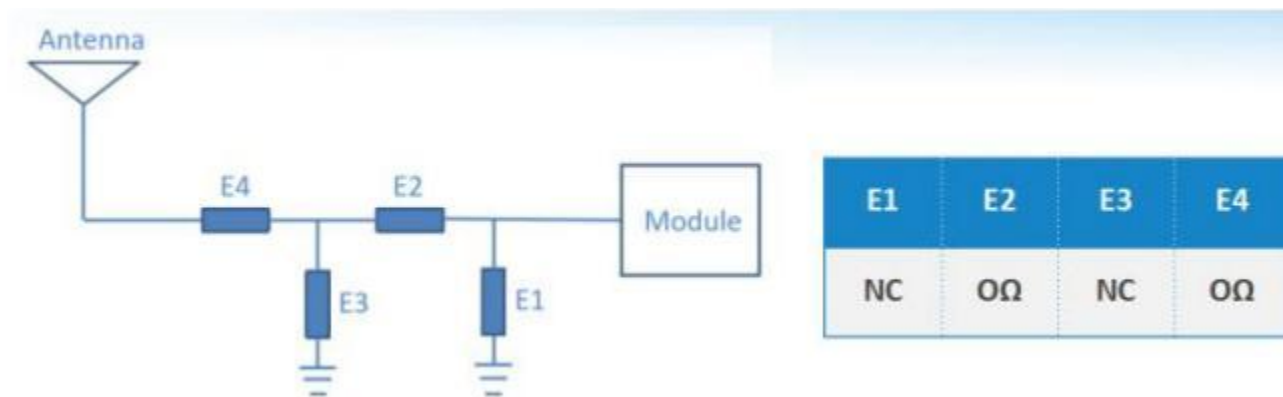
2.1. Environmental treatment

no



3. antenna loading coil

3.1. The antenna



*: Our company has not changed the original antenna front end matching,

4. size of product

Passive Electrical Specifications

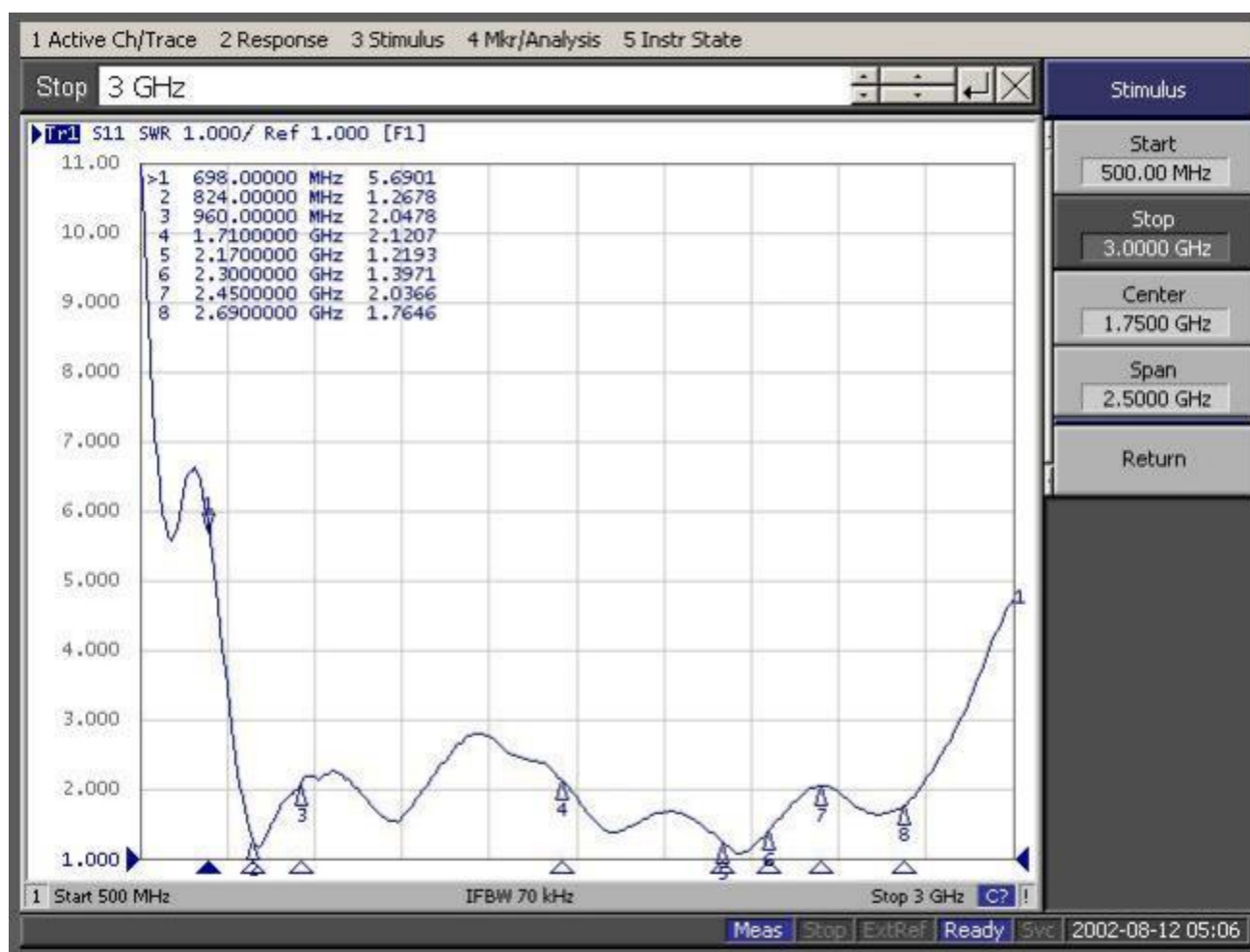
Frequency Range (MHz)	700-2700MHZ
Input Impendence (Ω)	50
n bobitu VSWR	≤7.5
Polarization Type	Linear polarization

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5. Electrical performance report

- n bobitu VSWR



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6. Gain Efficiency

Freq (MHz)	Gain (dBi)	Efficiency (%)
700	-5.46	19.46
720	-4.96	20.86
740	-4.75	23.14
760	-4.03	18.14
780	-3.19	26.05
800	-1.44	37.83
820	-0.42	48.97
840	0.02	46.43
860	0.36	43.55
880	0.41	47.78
900	0.63	45.62
920	0.76	42.27
940	0.72	47.62
960	0.64	42.51
980	0.72	41.93

Freq (MHz)	Gain (dBi)	Efficiency (%)
1700	2.09	51.06
1750	2.15	54.40
1800	1.47	49.09
1850	1.04	45.67
1900	0.40	44.59
1950	0.04	42.18
2000	-0.57	40.36
2050	-0.57	41.22
2100	0.48	49.96
2150	1.02	48.69
2200	0.81	48.29
2250	0.98	54.34
2300	0.99	54.28
2350	1.35	52.86
2400	1.69	51.51
2450	1.59	51.86
2500	1.41	45.22
2550	0.50	36.11
2600	0.65	40.53
2650	0.72	39.86
2700	0.84	35.48

7. OTA test data

OTA test data										
Frequency band	B1		B3		B5		B7		B8	
	18050	18550	19250	19900	20450	20600	20850	20130	21500	21750
TRP	19.87	19.54	19.55	19.36	18.63	18.25	19.71	19.15	17.26	16.87
TIS	-93.89	-93.47	-93.88	-93.52	-88.65	-88.52	-95.36	-94.33	-89.85	-88.57
Frequency band	B20		B28		B38		B40		B41	
	24200	24400	27260	27610	37800	38000	38700	39150	39700	40620
TRP	19.57	19.89	16.54	18.04	19.28	19.53	20.37	19.86	18.71	18.75
TIS	-89.69	-90.92	-88.43	-89.17	-94.82	-93.67	-92.28	-93.44	-95.57	-95.91

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8. Engineering drawings

