

FN-LINK TECHNOLOGY Ltd.

承 认书 Acknowledgment Letter

CUSTOMER APPROVED BY				
Approved by	Checked by	Prepared by		
SUPPLIER APPROVED BY				
Approved by	Checked by	Prepared by		

Supplier Name: FN-LINK TECHNOLOGY Ltd.

Supplier Address: Office Address: 14th Floor, Block B, Phoenix Zhigu, No.50 Tiezai Road, Gongle Community, Xixiang Street, Baoan District, Shenzhen, China 518000

Supplier Factory: Factory address:No.8, Litong Road, Liuyang Economic & Technical Development Zone, Changsha, Hunan, China 41032

Phone number:86-755-2955-8186 website:www.fn-link.com



antenna testing

Customer	GS Group	
Project Name	S28	
Customer NO.		
specification	PCB antenna L15mm*W8mm 2.4~2.5GHz/5.15~5.85GHz	
Supplier NO.		
Specification NO.		
Write by	Pan Yilin	
REV.	Ver.1	
Date	2024-4-22	
Note		



Version change log Change person Approved by Change date Change content version



1. Recognition Letter Project Table (Index)

Number	content	Page number
_	Acknowledgment Letter Cover	one
_	Antenna test report	two
_	Version change record	three
one	Confirmation Letter Project Table	four
two	Test equipment and conditions	five
three	Prototype structure specification	six
four	Finished antenna diagram	seven
five	S11	eight
six	Gain/Efficiency/3D Graph	nine -ten
seven	packing	eleven



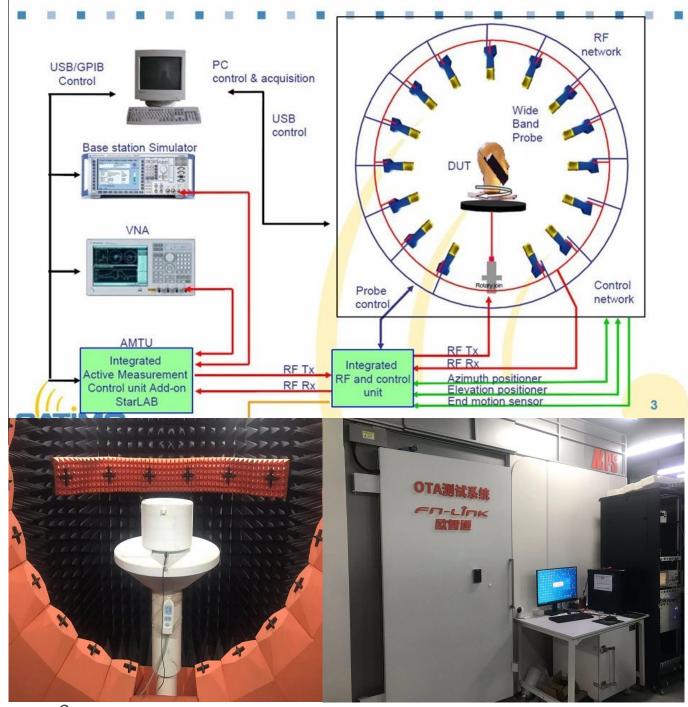
(Test Equipment & Conditions)

1.1. Network Analyzers: KEYSIGHT P5002A1.2. Communications

Test Set: R&S CMW 500

1.3. 3D Chamber Test System: (24 probe testing system)

1. Testing principle diagram of microwave anechoic chamber



2. Explanation.

This report summarizes the electrical performance results of the antenna for the project, including the S11 parameters, Gain, and Efficiency of the antenna



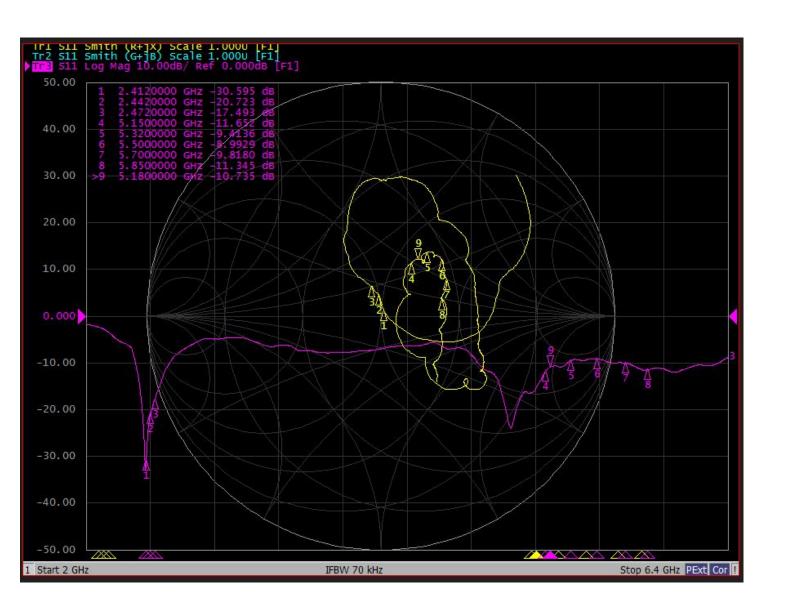
catalogue

- 1. Complete machine description
- 2. Debugging data report
- 3. Test data





WIFI ANTENNA S11





TEST DATA

2400 1. 5 42. 93 2410 1. 48 40. 56 2420 1. 49 41. 21 2430 1. 39 42. 33 2440 1. 41 40. 87 2450 0. 87 42. 66 2460 0. 71 43. 82 2470 0. 65 43. 44 2480 0. 76 43. 84 2490 0. 96 42. 18 2500 0. 67 43. 52 5000 2. 49 42. 27 5100 3. 32 45. 5 5200 2. 81 39. 45 5300 2. 83 42. 17 5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18 6000 3. 32 44. 98	Frequency/MHZ	MaxGain/dBi	Efficiency/%
2420 1. 49 41. 21 2430 1. 39 42. 33 2440 1. 41 40. 87 2450 0. 87 42. 66 2460 0. 71 43. 82 2470 0. 65 43. 44 2480 0. 76 43. 84 2490 0. 96 42. 18 2500 0. 67 43. 52 5000 2. 49 42. 27 5100 3. 32 45. 5 5200 2. 81 39. 45 5300 2. 83 42. 17 5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	2400	1.5	42. 93
2430 1. 39 42. 33 2440 1. 41 40. 87 2450 0. 87 42. 66 2460 0. 71 43. 82 2470 0. 65 43. 44 2480 0. 76 43. 84 2490 0. 96 42. 18 2500 0. 67 43. 52 5000 2. 49 42. 27 5100 3. 32 45. 5 5200 2. 81 39. 45 5300 2. 83 42. 17 5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	2410	1. 48	40. 56
2440 1. 41 40. 87 2450 0. 87 42. 66 2460 0. 71 43. 82 2470 0. 65 43. 44 2480 0. 76 43. 84 2490 0. 96 42. 18 2500 0. 67 43. 52 5000 2. 49 42. 27 5100 3. 32 45. 5 5200 2. 81 39. 45 5300 2. 83 42. 17 5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	2420	1. 49	41. 21
2450 0.87 42.66 2460 0.71 43.82 2470 0.65 43.44 2480 0.76 43.84 2490 0.96 42.18 2500 0.67 43.52 5000 2.49 42.27 5100 3.32 45.5 5200 2.81 39.45 5300 2.83 42.17 5400 2.97 41.02 5500 3.17 39.63 5600 1.49 33.96 5700 2.45 37.84 5800 1.9 33.34 5900 1.09 28.18	2430	1. 39	42. 33
2460 0.71 43.82 2470 0.65 43.44 2480 0.76 43.84 2490 0.96 42.18 2500 0.67 43.52 5000 2.49 42.27 5100 3.32 45.5 5200 2.81 39.45 5300 2.83 42.17 5400 2.97 41.02 5500 3.17 39.63 5600 1.49 33.96 5700 2.45 37.84 5800 1.9 33.34 5900 1.09 28.18	2440	1. 41	40. 87
2470 0. 65 43. 44 2480 0. 76 43. 84 2490 0. 96 42. 18 2500 0. 67 43. 52 5000 2. 49 42. 27 5100 3. 32 45. 5 5200 2. 81 39. 45 5300 2. 83 42. 17 5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	2450	0. 87	42. 66
2480 0. 76 43. 84 2490 0. 96 42. 18 2500 0. 67 43. 52 5000 2. 49 42. 27 5100 3. 32 45. 5 5200 2. 81 39. 45 5300 2. 83 42. 17 5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	2460	0. 71	43. 82
2490 0. 96 42. 18 2500 0. 67 43. 52 5000 2. 49 42. 27 5100 3. 32 45. 5 5200 2. 81 39. 45 5300 2. 83 42. 17 5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	2470	0. 65	43. 44
2500 0. 67 43. 52 5000 2. 49 42. 27 5100 3. 32 45. 5 5200 2. 81 39. 45 5300 2. 83 42. 17 5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	2480	0. 76	43. 84
5000 2. 49 42. 27 5100 3. 32 45. 5 5200 2. 81 39. 45 5300 2. 83 42. 17 5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	2490	0. 96	42. 18
5100 3. 32 45. 5 5200 2. 81 39. 45 5300 2. 83 42. 17 5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	2500	0. 67	43. 52
5200 2. 81 39. 45 5300 2. 83 42. 17 5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	5000	2. 49	42. 27
5300 2.83 42.17 5400 2.97 41.02 5500 3.17 39.63 5600 1.49 33.96 5700 2.45 37.84 5800 1.9 33.34 5900 1.09 28.18	5100	3. 32	45. 5
5400 2. 97 41. 02 5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	5200	2. 81	39. 45
5500 3. 17 39. 63 5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	5300	2. 83	42. 17
5600 1. 49 33. 96 5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	5400	2. 97	41. 02
5700 2. 45 37. 84 5800 1. 9 33. 34 5900 1. 09 28. 18	5500	3. 17	39. 63
5800 1. 9 33. 34 5900 1. 09 28. 18	5600	1. 49	33. 96
5900 1. 09 28. 18	5700	2. 45	37. 84
	5800	1.9	33. 34
6000 3. 32 44. 98	5900	1. 09	28. 18
	6000	3. 32	44. 98

2.4G 5G antenna pattern

