

Antenna Measurement Report

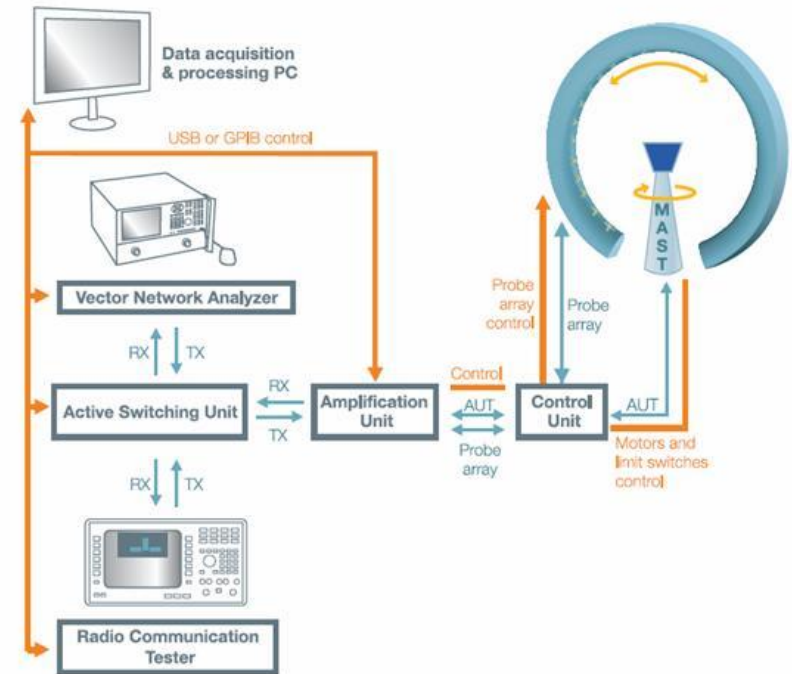
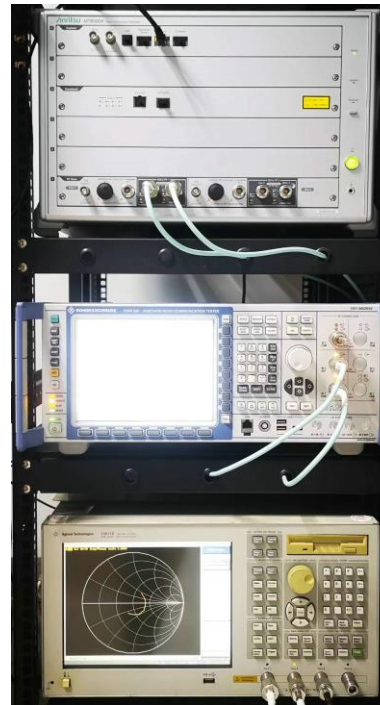
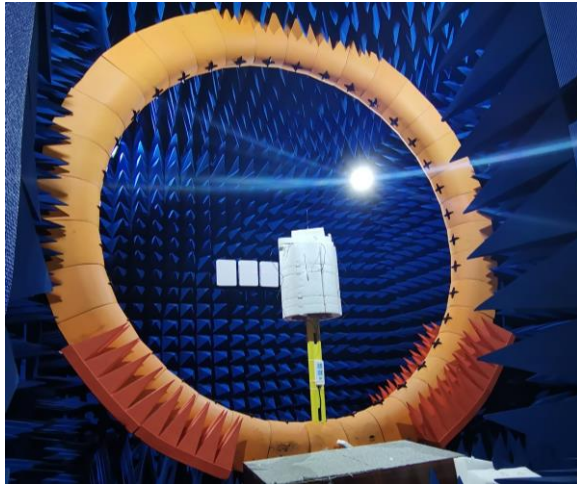
Project name :	DN21C-156P2-SCD
Type of antenna :	WIFI
Frequency range :	2.4-2.5G/5.15-5.85GHz
Redact :	蒋代铭
Approver :	
Version number :	V1.0
Date :	20230606

1. Test items and equipment

Passive test item

Active test item

1. S参数	网络分析仪E5071C	1. 整机辐射功率	Microwave chamber
2. 辐射参数	Microwave chamber 网络分析仪E5071B	2. 整机接收灵敏度	CMW500 MT8000A

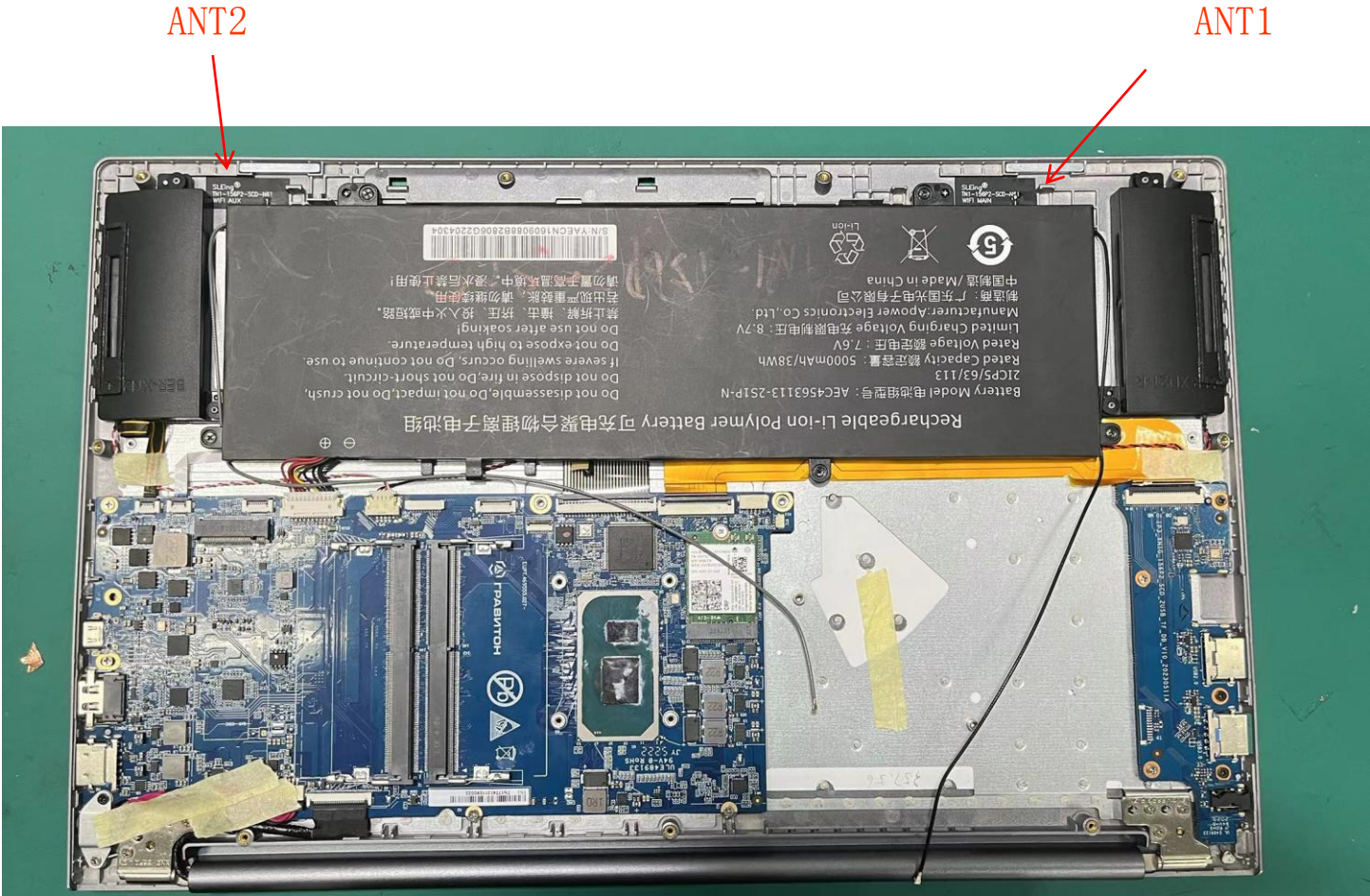


2. Product information

Product Name:	DN21C-156P2-SCD WIFI ANT
Part Number:	Main SLEingB241620230 AUX SLEingB241630310
Test frequency band:	2.4-2.5GHz 5.15-5.85GHz

Rough description	WiFi ANT	Dimensions	
Impedance	50Ω	Test environment	None
Application	WIFI	Freq. Range	2.4-2.5G/5.15-5.85GHz
Gain	Peak gain: 4.30	VSWR	1.92: 1
Radiation		Polarization	linear
Connector type	HMF 4代	Cable type	None
Isolation	None	Special request	Main WiFi 1.13黑色230mm AUX WiFi 1.13灰色310mm

4.0 Antenna assembly instructions

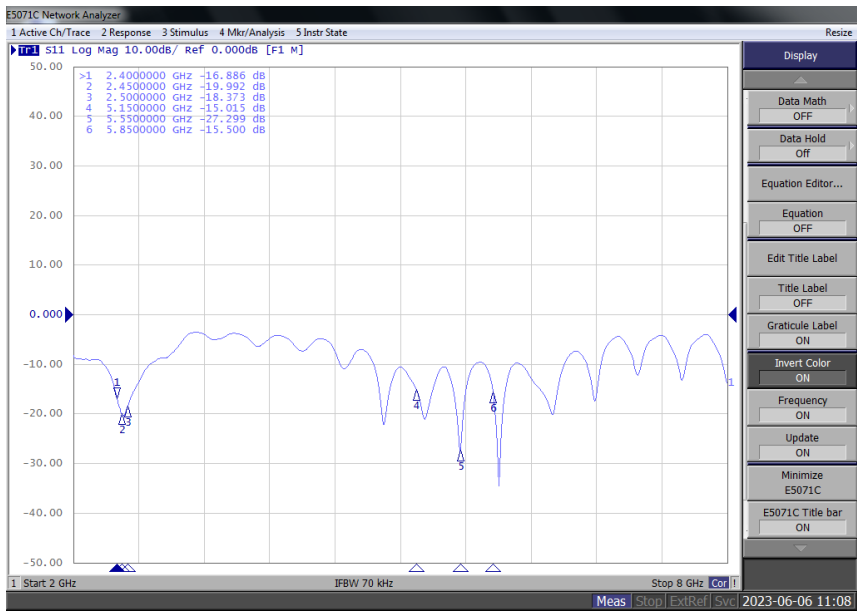


4.1 Antenna Assembly Instructions

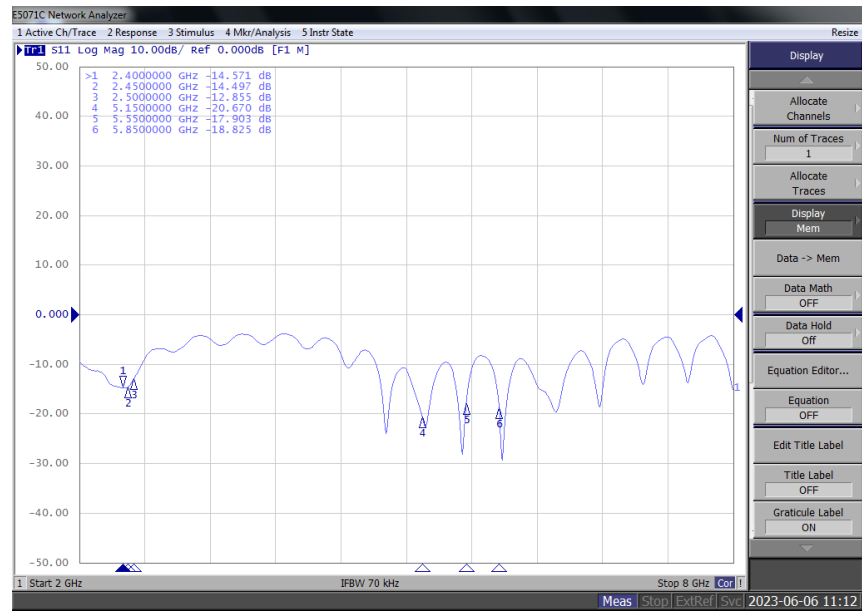
Edge alignment



5. The S parameter is 2.4/5.8G

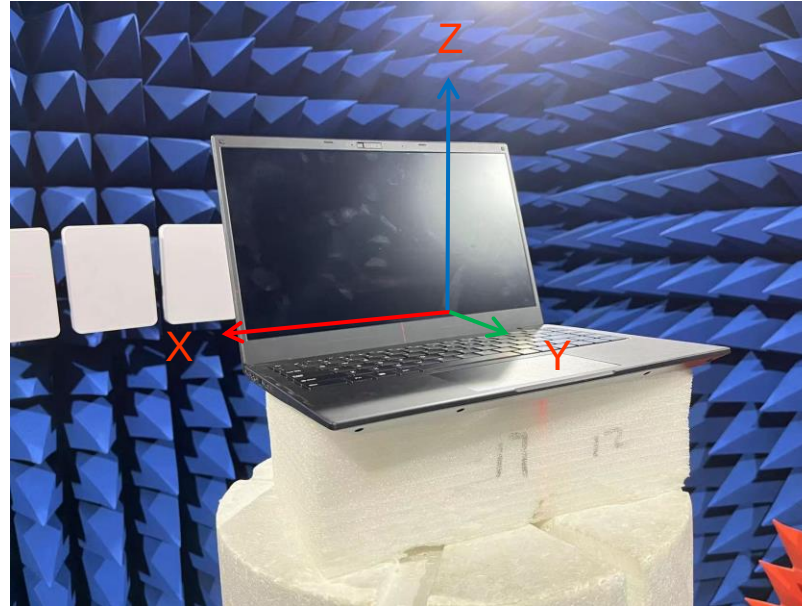


ANT1



ANT2

6. Test the environment and relative coordinates



* This image represents only the relative coordinates indicated

7. Passive data

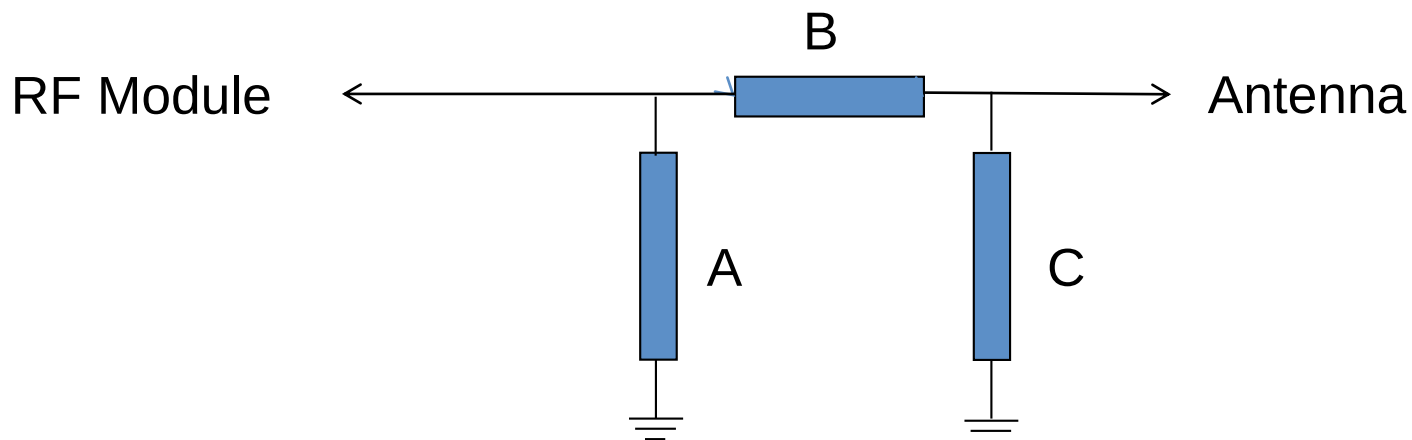
ANT1

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5200.0
Gain (dBi)	3.84	3.80	3.61	3.51	3.63	3.92	4.17	4.27	4.24	3.95	3.68	3.19	3.37
Efficiency (%)	53.04	53.06	54.12	55.09	56.55	57.56	58.27	58.08	58.11	57.20	57.61	41.49	41.81
	14	15	16	17	18	19	20	21	22	23	24	25	26
	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
	4.01	4.05	3.73	4.30	3.81	3.72	4.00	3.31	3.29	2.82	3.41	3.47	3.39
	43.09	43.46	40.10	42.74	40.75	41.30	42.53	39.25	39.17	37.35	38.67	38.67	39.93

ANT2

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5200.0
Gain (dBi)	2.88	2.83	2.89	3.02	3.22	3.30	3.33	3.27	3.26	3.32	3.28	2.31	2.20
Efficiency (%)	41.04	40.18	40.45	40.07	40.67	40.22	40.44	39.61	39.08	38.84	39.22	35.60	34.96
	14	15	16	17	18	19	20	21	22	23	24	25	26
	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
	2.07	2.04	1.44	1.86	2.08	2.66	2.52	2.89	3.70	3.56	3.47	3.35	3.61
	36.08	36.14	34.02	36.22	34.93	33.60	34.01	31.99	34.14	34.51	35.24	34.11	33.02

8. Match lines



Element	Value
A	NC
B	NC
C	NC

* 设备为模块输出，匹配未作修改

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1. The efficiency of passive antenna test is more than 30%.

