



2.4-2.5/5.15~5.85 GHz WIFI Antenna
L=260mm
specification&Test report
@2022.07.28

DONGGUAN CITY SLEing INTEL-TECH

Test Company	DONGGUAN CITY SLEing INTEL-TECH
Test Address	402, Building 6, Modern Enterprise Accelerator, No. 24, Gongye East Road, Songshan Lake, Dongguan, Guangdong, China
Test Date	2022/7/28
Test Instrument	Keysight E5071B

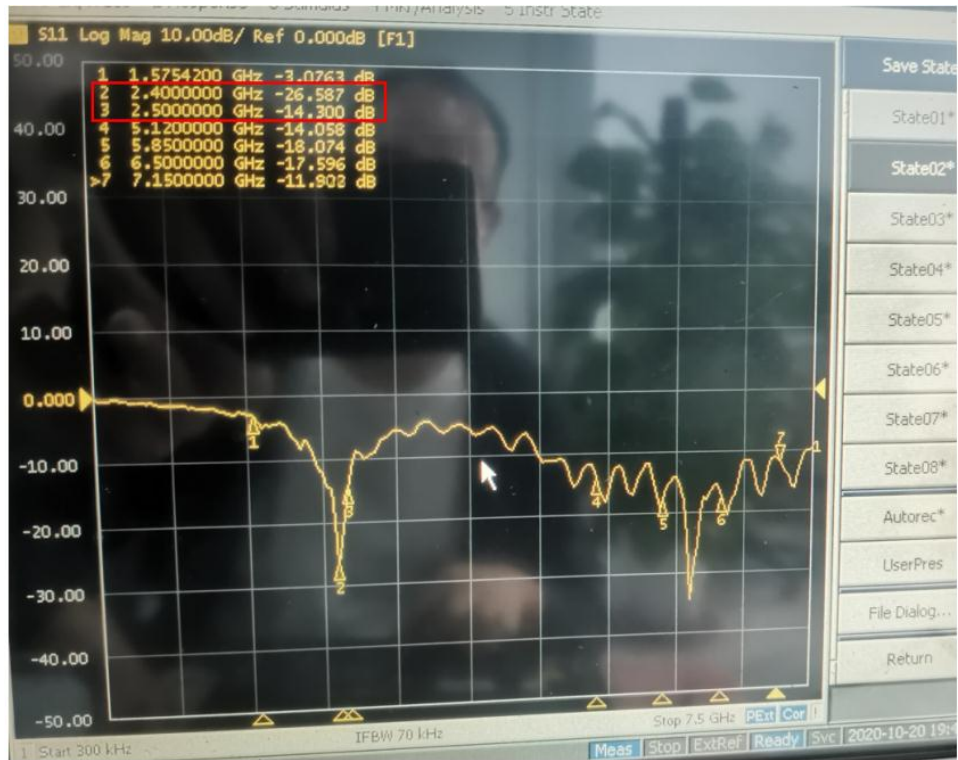
antenna design specification

Antenna dimensions as blow picture show: the material is FR4 and the thickness is 0.6mm of FPCB.

ANT:

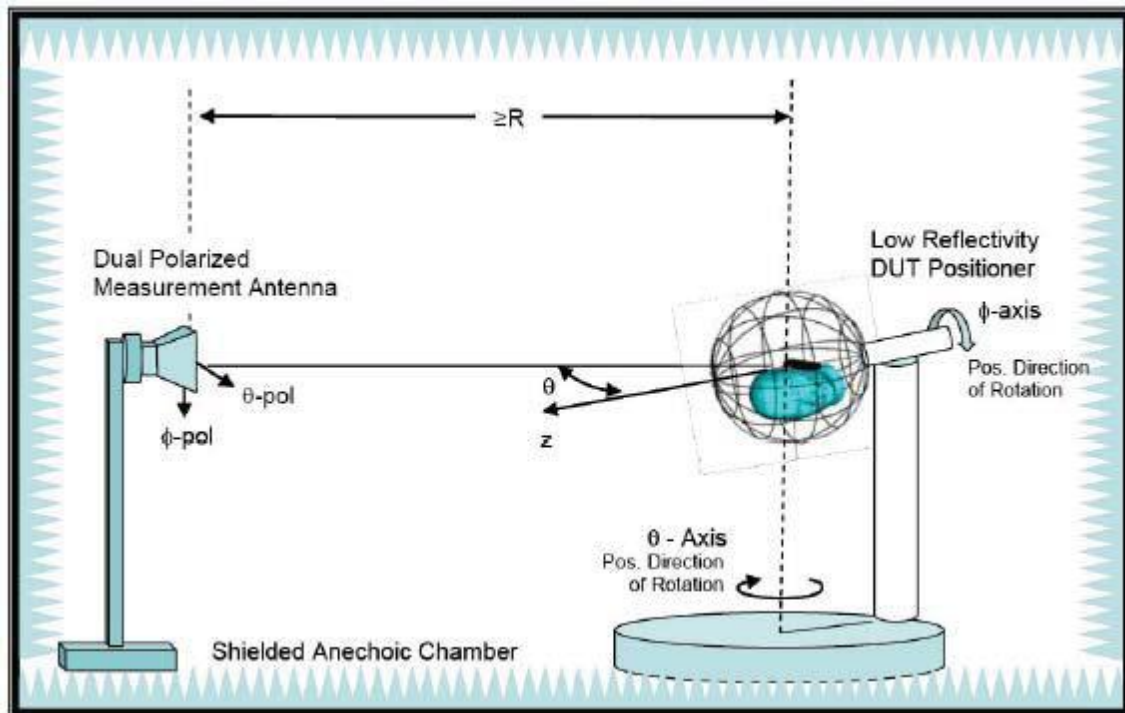
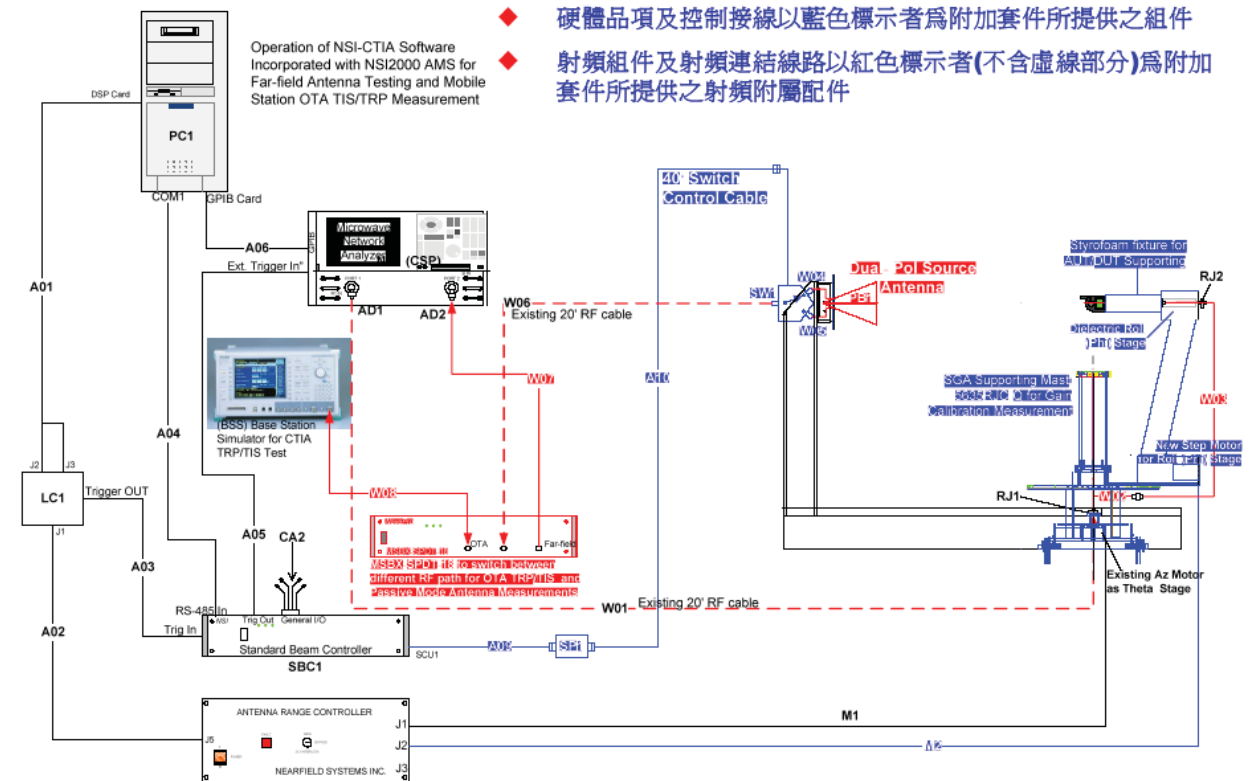


WIFI ANTENNA



Test Setup

NFC-500S 3D Chamber Coordinate System Definition Configuration of 3D Chamber



TEST EFFICENCY

Test Point ID	Freq. (MHz)		Gain (dBi)	Directivity (dBi)	Efficiency (%)
1	2400.0	2400.00	1.70	6.73	27.4%
2	2405.0	2405.00	1.92	6.64	28.4%
3	2410.0	2410.00	1.47	6.32	27.1%
4	2415.0	2415.00	1.80	6.68	26.9%
5	2420.0	2420.00	1.74	6.27	27.4%
6	2425.0	2425.00	1.67	6.64	28.9%
7	2430.0	2430.00	1.88	6.50	29.5%
8	2435.0	2435.00	1.90	6.41	28.5%
9	2440.0	2440.00	1.77	6.34	27.9%
10	2445.0	2445.00	1.40	5.84	26.3%
11	2450.0	2450.00	1.65	5.60	26.9%
12	2455.0	2455.00	1.73	6.05	26.6%
13	2460.0	2460.00	1.42	5.70	27.1%
14	2465.0	2465.00	1.58	5.73	28.4%
15	2470.0	2470.00	1.41	5.64	27.6%
16	2475.0	2475.00	1.66	5.39	27.8%
17	2480.0	2480.00	1.74	5.33	28.5%
18	2485.0	2485.00	1.31	5.46	28.4%
19	2490.0	2490.00	1.61	5.62	30.0%
20	2495.0	2495.00	1.50	5.47	30.5%
21	2500.0	2500.00	1.59	5.67	29.2%

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)
1	5150.0	5150.00	1.56	5.50	26.9%
2	5450.0	5450.00	1.35	4.20	26.0%
3	5750.0	5750.00	1.43	5.84	26.3%
4	6050.0	6050.00	1.52	4.71	27.9%
5	6350.0	6350.00	1.60	4.27	26.4%
6	6650.0	6650.00	1.33	3.28	28.7%
7	6950.0	6950.00	1.49	3.20	27.5%
8	7125.0	7125.00	1.50	3.56	28.8%

