

1. Antenna Description:

Antenna type	PIFA antenna
Model	C6
Frequency range	2400-2500MHz
Manufacturer	Shenzhen Beibo Intelligent Technology Co., Ltd.
ANT Peak Gain	2.16 dBi

2. Antenna Photo:

Length: 22.04mm
Width: 20.01mm



3. Test Equipment & Conditions

3.1 Test instrument

VSWR is tested using Agilent E5071B connected to a hand mechanism, and the status is free space.

3.2 Test environment and methods

Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

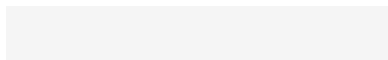
LTE-TDD/FDD-SCDMA test equipment: StarPoint SP8011/CMW500

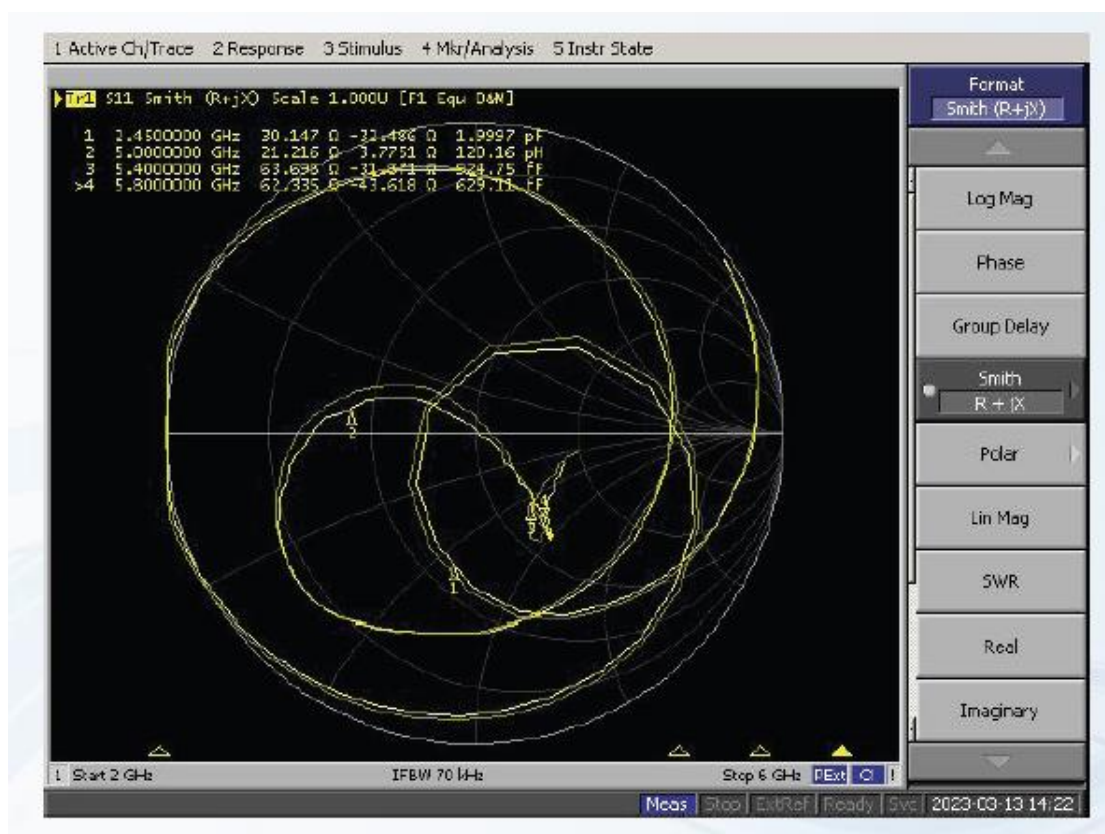
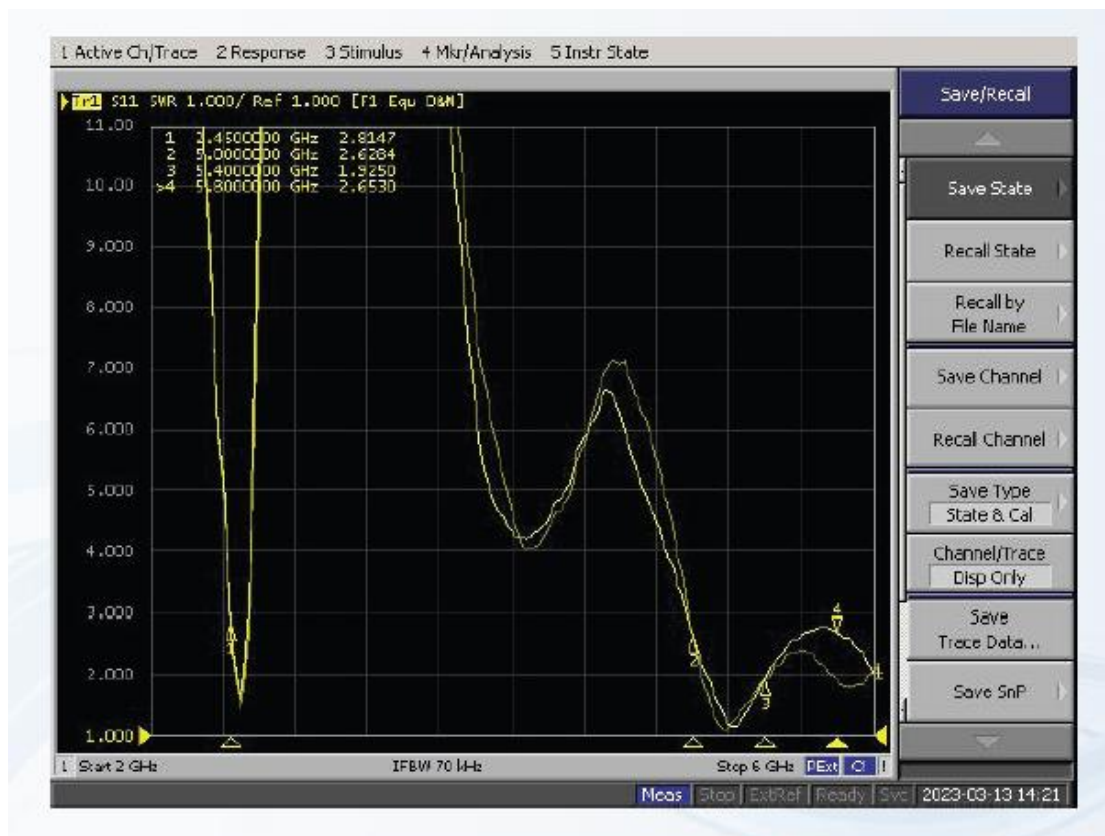
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B



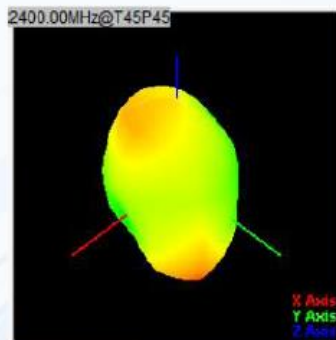
4 . Antenna Radiation Pattern



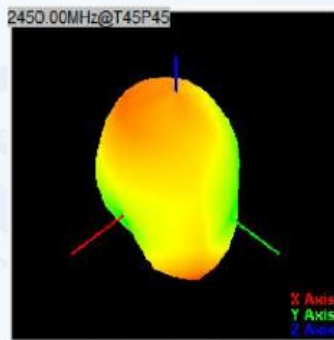


3D pattern

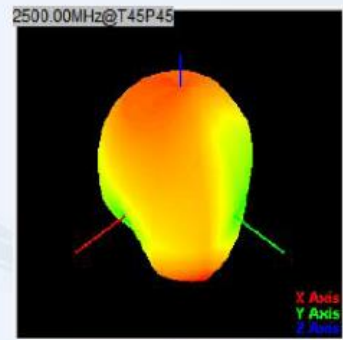
2400MHZ



2450MHZ

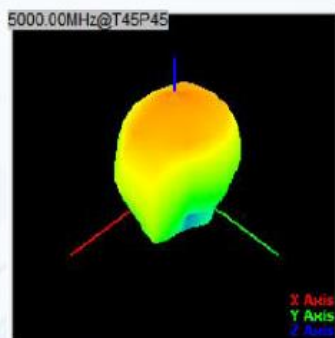


2500MHZ

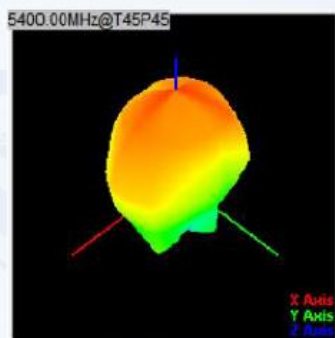


3D pattern

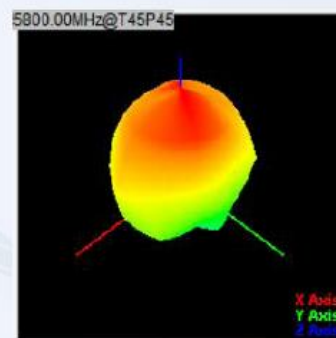
5000MHZ



5400MHZ



5800MHZ



FEATURES											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-5.12	-4.89	-4.68	-4.57	-4.45	-4.24	-3.99	-3.69	-3.43	-3.11	-2.86
Peak EIRP (dBm)	1.08	1.22	1.22	1.26	1.25	1.26	1.26	1.34	1.51	1.80	2.16
Directivity (dBi)	6.21	6.10	5.90	5.83	5.69	5.50	5.25	5.03	4.94	4.91	5.02
Efficiency (dB)	-5.12	-4.89	-4.68	-4.57	-4.45	-4.24	-3.99	-3.69	-3.43	-3.11	-2.86
Efficiency (%)	30.70	32.40	34.00	34.90	35.90	37.70	39.90	42.70	45.40	48.80	51.70
Gain (dBi)	1.08	1.22	1.22	1.26	1.25	1.26	1.26	1.34	1.51	1.80	2.16
NHPRP ±Pi/4 (dBm)	-7.51	-7.33	-7.17	-7.12	-7.01	-6.76	-6.48	-6.14	-5.79	-5.43	-5.18
NHPRP ±Pi/6 (dBm)	-9.40	-9.25	-9.13	-9.09	-9.00	-8.76	-8.47	-8.14	-7.76	-7.40	-7.13
NHPRP ±Pi/8 (dBm)	-12.83	-12.76	-12.79	-12.81	-12.81	-12.58	-12.25	-11.95	-11.46	-11.09	-10.78
Upper Hem. PRP (dBm)	-8.37	-7.97	-7.59	-7.31	-7.08	-6.78	-6.47	-6.14	-5.91	-5.63	-5.32
Lower Hem. PRP (dBm)	-7.91	-7.83	-7.79	-7.87	-7.88	-7.78	-7.60	-7.35	-7.04	-6.69	-6.51
Upper Hem. PRP (%)	14.54	15.95	17.40	18.59	19.60	20.99	22.56	24.32	25.62	27.38	29.39
Lower Hem. PRP (%)	16.19	16.49	16.65	16.33	16.30	16.66	17.38	18.41	19.79	21.43	22.36

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
5000.0	5050.0	5100.0	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-2.44	-2.32	-2.21	-1.90	-1.37	-1.25	-1.61	-1.40	-0.99	-1.16	-1.04	-1.15	-1.35	-1.44	-1.12	-1.62	-1.19
5.28	4.69	5.19	6.40	6.39	6.53	6.57	6.66	6.21	6.42	7.47	6.83	6.54	6.64	6.82	6.12	7.34
7.72	7.01	7.40	8.30	7.76	7.79	8.18	8.05	7.20	7.58	8.52	7.97	7.90	8.08	7.94	7.74	8.53
-2.44	-2.32	-2.21	-1.90	-1.37	-1.25	-1.61	-1.40	-0.99	-1.16	-1.04	-1.15	-1.35	-1.44	-1.12	-1.62	-1.19
57.10	58.70	60.10	64.60	72.90	75.00	69.00	72.50	79.70	76.60	78.60	76.80	73.20	71.90	77.30	68.80	76.10
5.28	4.69	5.19	6.40	6.39	6.53	6.57	6.66	6.21	6.42	7.47	6.83	6.54	6.64	6.82	6.12	7.34
-5.86	-5.71	-5.15	-5.82	-5.23	-5.08	-5.65	-5.32	-4.52	-4.83	-5.48	-4.91	-5.29	-5.37	-5.04	-5.87	-4.82
-8.15	-7.96	-7.61	-8.09	-7.44	-7.40	-7.96	-7.62	-6.92	-7.15	-7.74	-7.20	-7.78	-7.54	-7.48	-8.21	-7.00
-13.28	-12.88	-13.81	-13.15	-12.15	-12.70	-13.24	-12.82	-12.75	-12.44	-12.72	-12.31	-14.19	-12.11	-13.57	-13.68	-11.62
-3.07	-3.01	-3.07	-2.46	-1.89	-1.80	-2.16	-1.93	-1.52	-1.71	-1.51	-1.57	-1.86	-2.02	-1.62	-2.07	-1.70
-11.09	-10.65	-9.67	-11.07	-10.84	-10.49	-10.87	-10.77	-10.39	-10.41	-10.96	-11.43	-10.92	-10.47	-10.77	-11.71	-10.74
49.28	50.06	49.28	56.75	64.70	66.02	60.86	64.16	70.54	67.49	70.60	69.60	65.15	62.88	68.91	62.06	67.65
7.78	8.60	10.79	7.82	8.24	8.93	8.18	8.37	9.14	9.10	8.03	7.19	8.10	8.98	8.37	6.75	8.44