

1 Testing Conditions

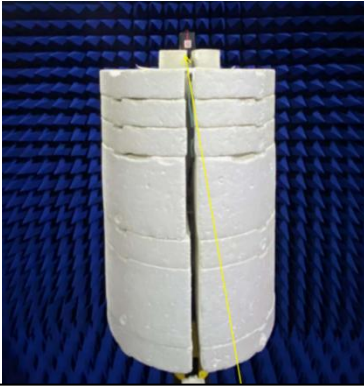


Figure 1:Testing environment

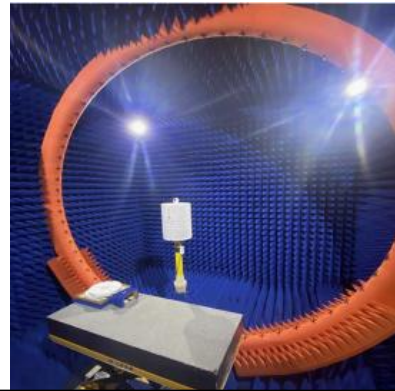


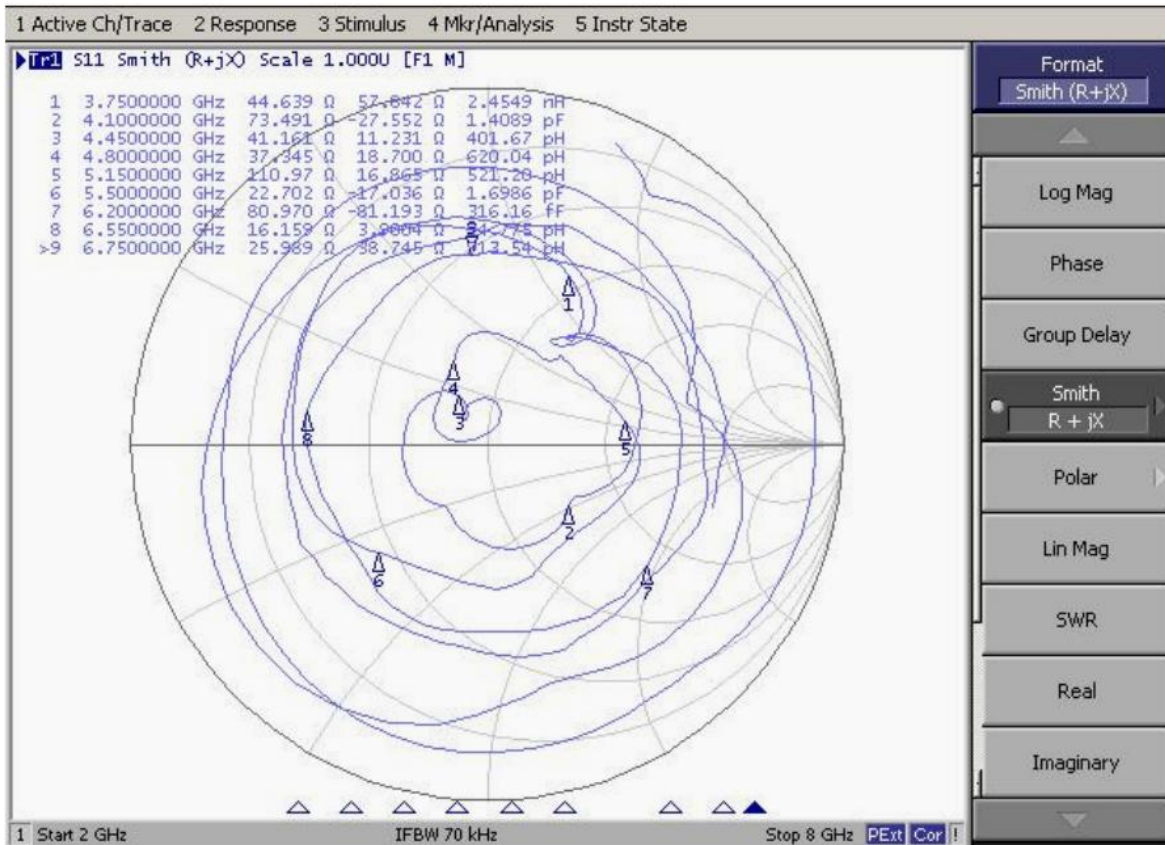
Figure 2:Testing 3D microwave darkroom(6m*6m*6m)

Product Testing Conditions

Parameters	Value
Working Temp	-30℃ ~ +60℃

2 S Parameter_Return Loss&VSWR - Smith





3 Efficiency and Gain

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Frequency (MHz)	3750.0	3800.0	3850.0	3900.0	3950.0	4000.0	4050.0	4100.0	4150.0	4200.0	4250.0	4300.0	4350.0	4400.0	4450.0	4500.0	4550.0	4600.0	4650.0	4700.0	4750.0	4800.0	4850.0	4900.0	4950.0	5000.0
Gain (dB)	0.49	0.99	0.29	0.47	1.83	2.78	1.57	2.35	3.19	2.13	1.48	1.63	2.25	2.36	2.49	3.07	3.41	3.80	3.05	2.90	2.03	2.26	2.99	1.86	1.16	1.67
Efficiency (%)	39.05	45.58	38.41	41.01	50.40	55.34	53.23	59.39	57.94	55.13	52.24	54.22	54.56	50.50	52.79	59.06	59.74	62.51	61.29	62.77	56.44	60.47	65.74	66.06	64.30	66.15

27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
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	5850.0	5900.0	5950.0	6000.0	6050.0	6100.0	6150.0	6200.0	6250.0	6300.0	6350.0	6400.0	6450.0	6500.0	6550.0	6600.0	6650.0	6700.0	6750.0
2.40	1.98	1.73	1.87	1.99	1.54	2.26	2.89	2.25	3.57	3.93	2.28	3.07	1.94	-0.18	-0.04	0.69	1.71	2.13	1.32	0.90	1.58	1.61	1.48	1.81	0.88	1.13	1.11	1.24	1.62	1.48	2.32	2.43	3.03	2.10
69.26	62.11	55.10	52.66	48.20	42.92	48.14	49.80	50.23	55.01	53.84	48.78	48.01	38.53	31.49	30.55	36.08	50.84	57.26	53.83	51.77	55.82	55.87	53.23	52.17	44.81	41.90	40.86	41.29	41.07	41.98	47.28	48.82	60.69	57.69

