

WT201 Principle prototype Antenna passive performance test record

Performance summary The efficiency of the 915 frequency band is greater than 55% and the gain is greater than 0dBi, meeting the advanced antenna indicators;

Appearance



Jig



Main Board

S/N

6715D3280810

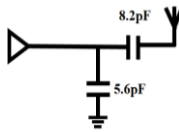
Antenna Size

58 × 8 × 1.6 mm³

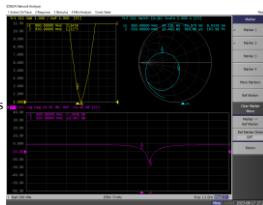
Frequency Band

B915

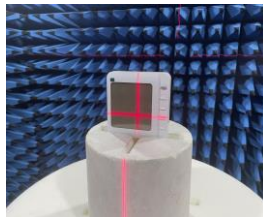
Matching circuit



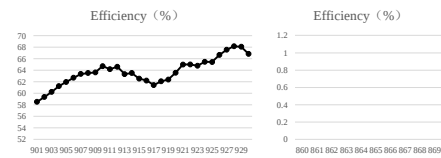
Impedance characteristics



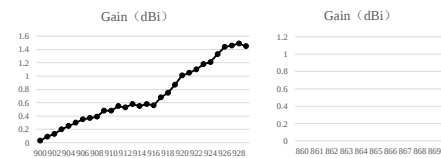
Test chart



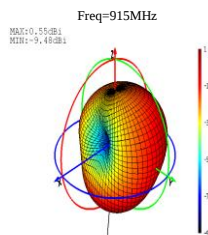
Efficiency



GAIN



Direction Map



TIME: 2023/8/17

B915	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	27	28	29	30	31
	Frequency CHz	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930
	Gain dBS	-0.05	0.03	0.09	0.13	0.2	0.25	0.3	0.35	0.37	0.39	0.48	0.48	0.55	0.53	0.58	0.55	0.58	0.58	0.68	0.75	0.87	1.03	1.05	1.1	1.18	1.21	1.33	1.44	1.46	1.49	1.45
	Efficiency dBS	-2.41	-2.33	-2.36	-2.2	-2.13	-2.08	-2.03	-1.98	-1.97	-1.96	-1.89	-1.83	-1.8	-1.88	-1.97	-2.04	-2.06	-2.12	-2.07	-2.05	-1.97	-1.87	-1.87	-1.89	-1.84	-1.84	-1.76	-1.7	-1.66	-1.67	-1.75
	Efficiency %	57.44	58.52	59.37	60.26	61.25	61.97	62.7	63.37	63.52	63.63	64.71	64.19	64.61	63.33	63.52	62.54	62.21	61.43	62.09	62.39	63.57	64.99	65.01	64.79	65.46	65.43	66.67	67.57	68.17	68.08	66.91
	Directivity dBS	2.35	2.36	2.36	2.33	2.33	2.33	2.33	2.33	2.34	2.35	2.37	2.41	2.45	2.51	2.55	2.59	2.64	2.68	2.75	2.79	2.84	2.88	2.92	2.98	3.02	3.05	3.1	3.15	3.12	3.16	3.19