

主天线规格书

Main Antenna Datasheet

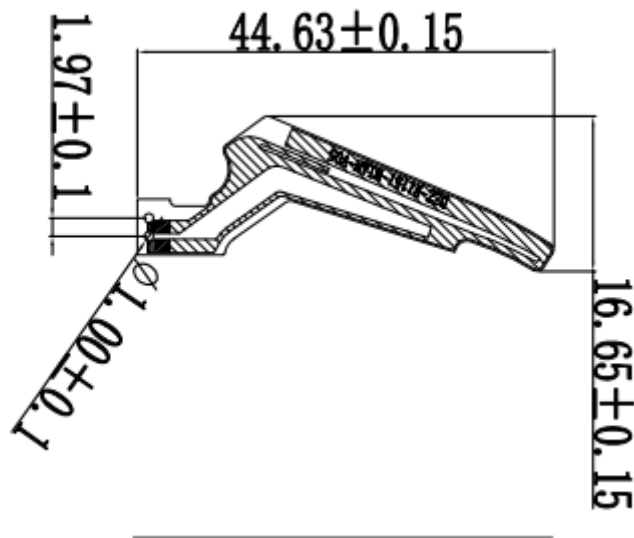
基本信息

General information

制造商 Manufacturer	Shanghai Dezi Zai Integrated Circuit Co., Ltd;
地址	103B, No. 10, Lane 198, Zhangheng Road, Zhangjiang, Pudong New Area, Shanghai
天线型号 Model Name	R1151-main ant
日期 Date	2025-07-16
版本 Version	1.0
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天线外观

Antenna Appearance



技术规格

Technical Specifications

频率范围 Frequency Range	700MHZ-960MHZ+1710MHZ-2690MHZ
天线类型 Antenna Type	PIFA
尺寸 Dimensions	44.63*16.65mm
阻抗 Impedance	50 ohm
最大增益 Maximum Gain	5.12dBi
驻波比 VSWR	≤5
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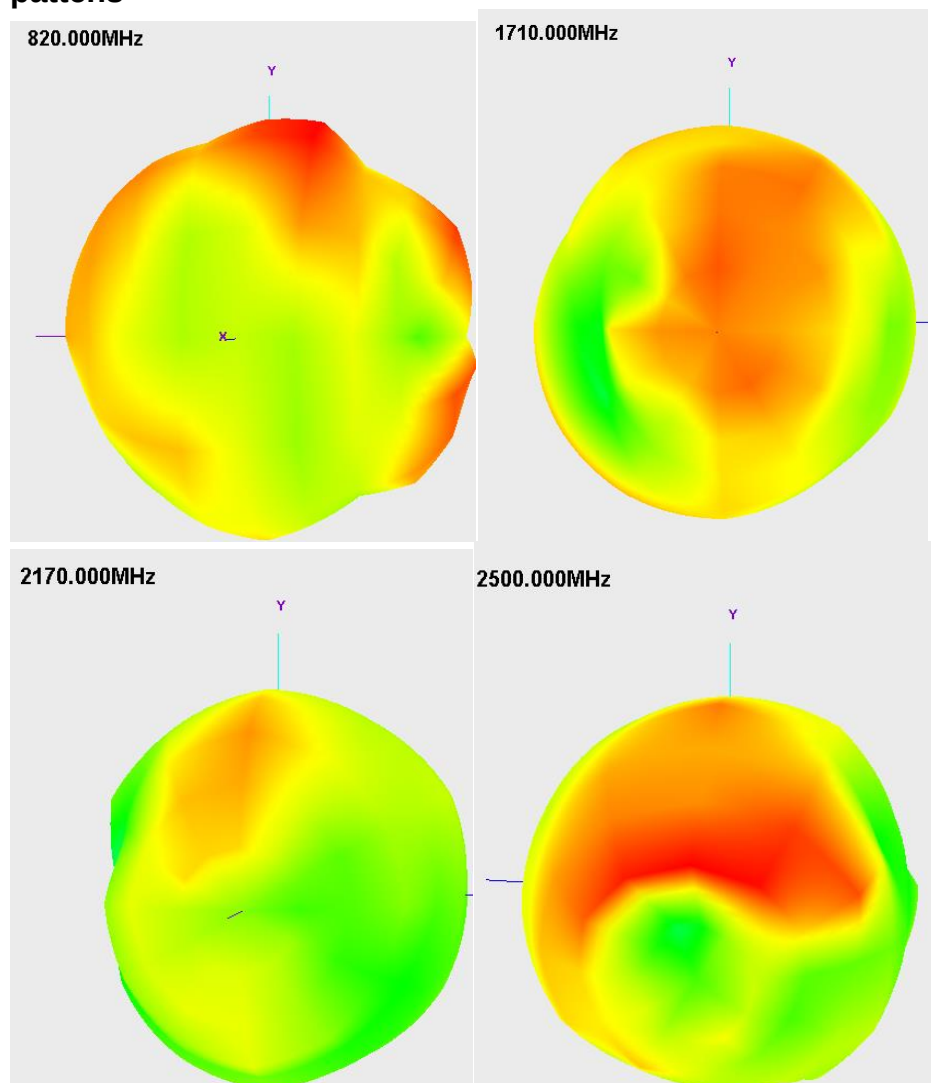
passive

Freq (MHz)	Effi (%)	Gain (dBi)
700	14.25	-3.53
710	15.26	-3.11
720	16.53	-3.05
730	16.44	-2.89
740	17.06	-2.27
750	17.12	-2.03
760	16.65	-2.09
770	15.95	-2.71
780	15.04	-3.11
790	14.62	-3.27
800	14.13	-3.58
Freq (MHz)	Effi (%)	Gain (dBi)
790	22.59	-2.04
800	25.22	-1.56
810	26.14	-1.16
820	26.76	-1.04
830	26.02	-1.37
840	25.75	-1.34
850	26.52	-0.61
860	27.25	-0.67
870	28.44	-0.32
880	29.35	-0.16
890	28.03	-0.34
900	26.67	-0.63
Freq (MHz)	Effi (%)	Gain (dBi)
880	22.43	-1.17
890	24.91	-1
900	26.73	-0.33
910	27.93	-0.25
920	29.52	0.07
930	30.72	0.05
940	29.65	0.09
950	28.85	-0.2
960	27.75	-0.79
1710	28.28	1.98
1720	29.27	2.14
1730	30.31	2.52
1740	32.02	2.66
1750	31.95	2.51
1760	32.25	2.64
1770	33.02	2.58
1780	33.05	2.72
1790	31.31	2.6
1800	32.77	2.62
1810	31.03	2.44
1820	31.67	2.69
1830	32.52	2.85

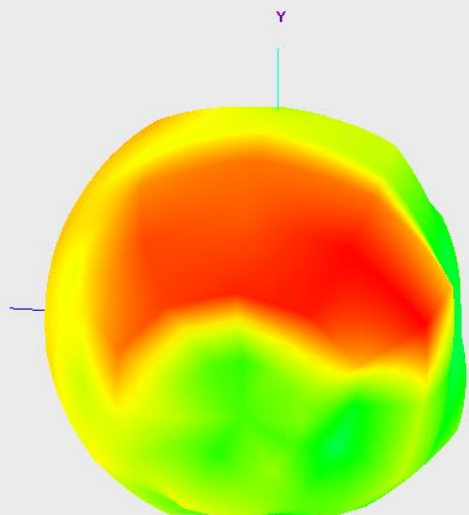
1840	31.34	2.67
1850	31.43	2.74
1860	32.89	2.55
1870	33.33	2.84
1880	36.05	3.27
1890	37.7	3.53
1900	38.14	3.64
1910	41.12	4.04
1920	44.19	4.63
1930	43.32	4.64
1940	43.05	4.6
1950	42.23	4.57
1960	43.26	4.63
1970	45.51	4.78
1980	44.18	4.63
1990	43.61	4.53
2000	40.62	4.13
2010	40.65	4.18
2020	43.32	4.36
2030	47.71	4.76
2040	45.17	4.81
2050	41.57	4.41
2060	40.94	4.67
2070	41.63	4.78
2080	40.26	4.69
2090	40.85	4.96
2100	41.1	5.12
2110	39.14	4.79
2120	39.13	5
2130	34.91	4.69
2140	35.4	4.78
2150	35.31	4.6
2160	36.97	4.97
2170	36.62	4.8
2300	30.63	3.2
2310	31.25	2.62
2320	32.41	2.65
2330	32.05	3.01
2340	32.12	2.87
2350	32.05	2.89
2360	31.3	3.24
2370	31.52	2.89
2380	32.35	3.01
2390	32.41	2.62
2400	33.05	2.39
2410	32.25	2.51
2420	32.67	2.57
2430	31.14	2.14
2440	31.28	1.84
2450	31.85	2.32
2460	31.62	2.3
2470	30.15	2

2480	30.71	2.01
2490	31.45	1.87
2500	33.07	1.84
2510	32.23	0.98
2520	31.53	0.54
2530	31.43	0.84
2540	30.06	0.28
2550	32.02	-0.34
2560	31.25	-0.67
2570	31.05	-0.5
2580	31	-0.39
2590	31.42	-0.21
2600	31.1	-0.84
2610	32.05	-1
2620	31.04	-1.12
2630	30.41	-0.97
2640	30.05	-1.43
2650	31.21	-1.39
2660	30.89	-0.96
2670	29.57	-0.68
2680	28.89	-0.97
2690	27.61	-1.17

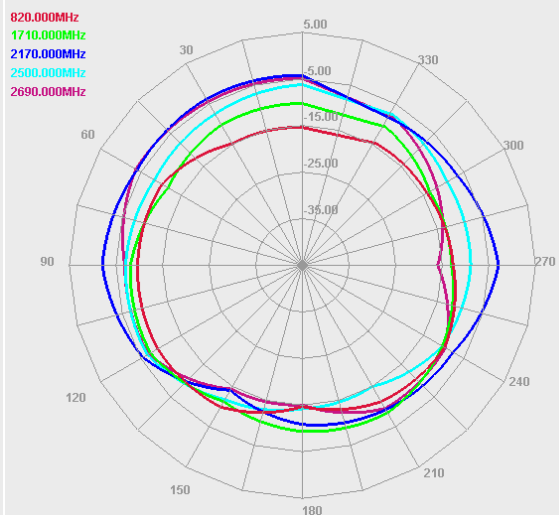
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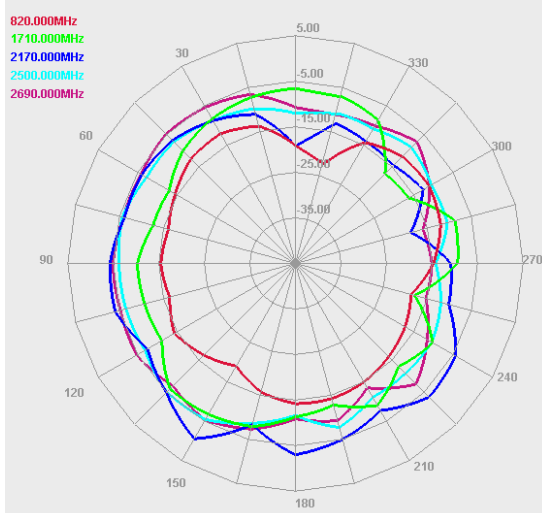
2690.000MHz



Horizontal



E1 Face



E2 Face

