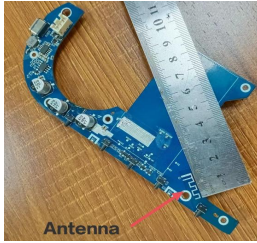


Antenna Spcification

Version:V0
Date: Nov.17th,2023

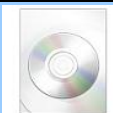
Model no. S18M

Antenna picture



Antenna size 3.5mm(W)*14mm(L) , 0.5mm wire width

Test data Refer to attachment (page: summary, 3d pattern



深圳市合拓科技有限公司

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
Efficiency (dBi)	-3.99	-4.11	-4.25	-4.43	-4.51	-4.74	-5.08	-5.31	-5.78	-5.93	-6.10
Gain (dBi)	3.31	3.04	3.10	3.05	2.92	2.70	2.35	2.19	1.56	1.37	1.22
Efficiency (%)	39.89	38.83	37.55	36.10	35.38	33.61	31.04	29.43	26.45	25.54	24.56
Directivity (dB)	7.30	7.15	7.35	7.47	7.43	7.44	7.43	7.50	7.33	7.30	7.32
Peak Gain Position (Theta)	135.00	120.00	120.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00
Peak Gain Position (Phi)	240.00	135.00	135.00	240.00	240.00	240.00	240.00	240.00	240.00	240.00	240.00
Efficiency ThetaPol (%)	14.14	13.72	13.02	12.44	12.05	11.43	10.75	10.38	9.57	9.39	9.15
Efficiency PhiPol (%)	25.75	25.11	24.52	23.65	23.33	22.18	20.29	19.05	16.88	16.15	15.41
Upper Hem. Efficiency (%)	16.67	16.22	15.63	14.95	14.81	13.98	13.01	12.25	11.23	10.59	10.15
Lower Hem. Efficiency (%)	23.22	22.61	21.92	21.15	20.57	19.63	18.03	17.18	15.22	14.95	14.41

T90(H)圆度	18.47	20.64	19.55	21.48	23.39	26.16	25.88	25.40	22.40	23.05	22.12
Gain 15deg (dBi)											
E1(XZ)波瓣宽度	93.00	91.00	89.00	90.00	90.00	88.00	85.00	83.00	88.00	85.00	83.00
E1(XZ)前后比	3.80	3.94	4.32	4.42	4.73	4.92	4.77	4.46	3.73	4.11	4.06
E2(YZ)波瓣宽度	34.00	31.00	34.00	33.00	32.00	31.00	31.00	28.00	33.00	34.00	34.00
E2(YZ)前后比	2.59	2.52	2.13	1.84	2.00	2.06	1.56	2.09	0.85	0.66	0.74
最大增益处轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
仰角10度最差(大)轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Hc(XY)波瓣宽度	42.00	40.00	41.00	38.00	38.00	56.00	61.00	55.00	48.00	72.00	74.00
Hc(XY)前后比	1.57	1.74	1.35	2.37	2.52	2.74	2.47	3.54	3.75	3.39	2.76

Empty

