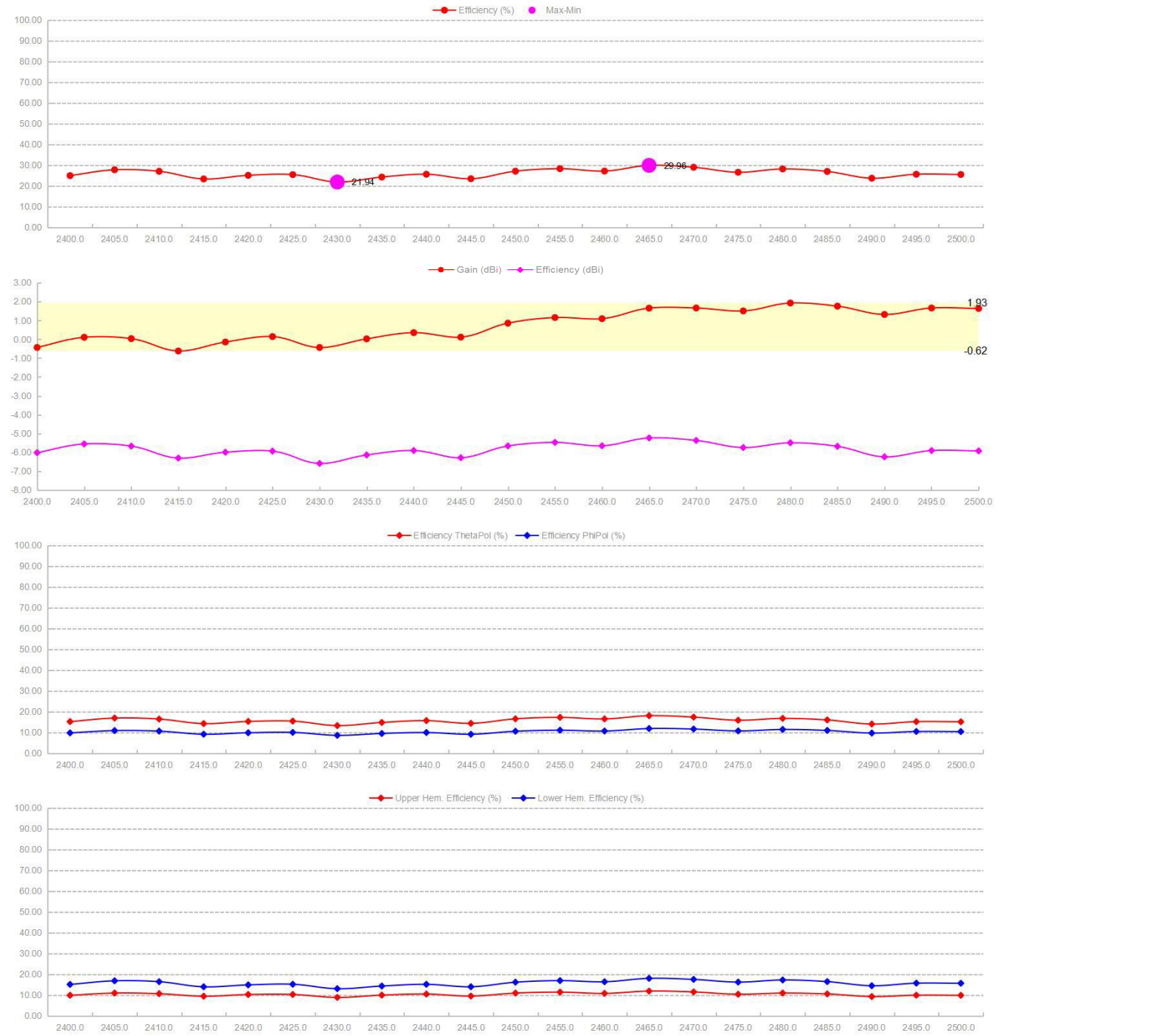


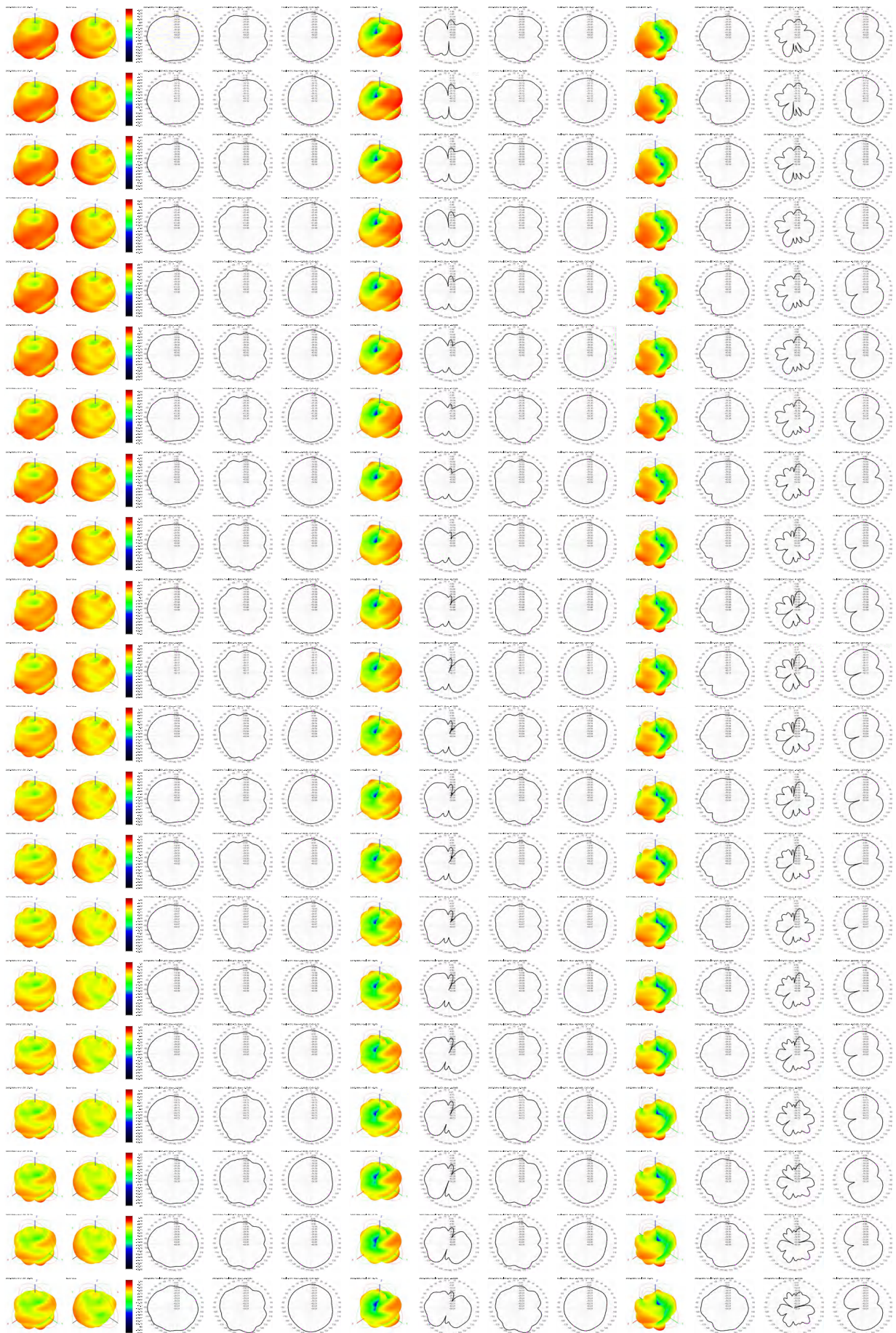
Antenna specifications

ANTenna	Frequency Range	ANTenna Size	Manufacturers	Address
PCB	2400MHz~2483.5MHz	165*6.6mm	Skylab M&C Technology Co., Ltd	6 Floor, No.9 Building, Lijiangcheng Scientific & Technical park, Gongye East Road, Longhua District, Shenzhen, Guangdong, China

Frequency (MHz)	2400.0	2405.0	2410.0	2415.0	2420.0	2425.0	2430.0
Efficiency (%)	-0.43	0.11	0.03	-0.62	-0.15	0.14	-0.44
Frequency (MHz)	2435.0	2440.0	2445.0	2450.0	2455.0	2460.0	2465.0
Efficiency (%)	0.02	0.35	0.11	0.85	1.15	1.09	1.65
Frequency (MHz)	2470.0	2475.0	2480.0	2485.0	2490.0	2495.0	2500.0
Efficiency (%)	1.66	1.50	1.93	1.76	1.32	1.66	1.64

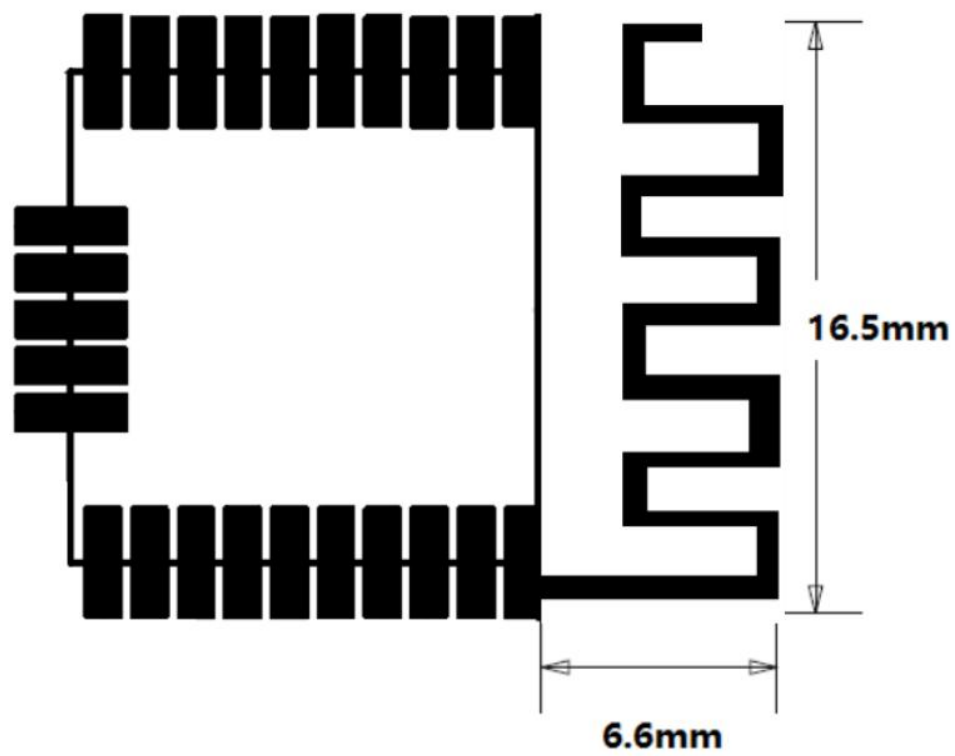
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Frequency (MHz)	2400.0	2405.0	2410.0	2415.0	2420.0	2425.0	2430.0	2435.0	2440.0	2445.0	2450.0	2455.0	2460.0	2465.0	2470.0	2475.0	2480.0	2485.0	2490.0	2495.0	2500.0
Efficiency (dBi)	-6.02	-5.55	-5.67	-6.30	-5.99	-5.93	-6.59	-6.14	-5.90	-6.29	-5.66	-5.47	-5.65	-5.23	-5.37	-5.75	-5.49	-5.68	-6.24	-5.90	-5.92
Gain (dBi)	-0.43	0.11	0.03	-0.62	-0.15	0.14	-0.44	0.02	0.35	0.11	0.85	1.15	1.09	1.65	1.66	1.50	1.93	1.76	1.32	1.66	1.64
Efficiency (%)	25.02	27.84	27.11	23.42	25.16	25.50	21.94	24.33	25.69	23.52	27.16	28.37	27.22	29.96	29.05	26.64	28.24	27.03	23.77	25.68	25.57
Directivity (dB)	5.58	5.66	5.70	5.68	5.85	6.08	6.15	6.16	6.26	6.40	6.52	6.63	6.75	6.89	7.03	7.25	7.42	7.44	7.56	7.56	7.56
Peak Gain Position (Theta)	141.00	142.00	143.00	144.00	146.00	147.00	147.00	148.00	148.00	148.00	150.00	150.00	151.00	151.00	152.00	152.00	153.00	153.00	154.00	154.00	154.00
Peak Gain Position (Phi)	124.00	123.00	122.00	122.00	121.00	120.00	120.00	120.00	120.00	121.00	120.00	120.00	120.00	120.00	119.00	119.00	120.00	119.00	119.00	119.00	120.00
Efficiency ThetaPol (%)	15.22	16.93	16.46	14.27	15.30	15.47	13.31	14.81	15.71	14.38	16.56	17.26	16.52	18.07	17.40	15.89	16.78	16.04	14.06	15.21	15.14
Efficiency PhiPol (%)	9.80	10.91	10.65	9.15	9.86	10.03	8.63	9.52	9.98	9.14	10.59	11.11	10.69	11.89	11.66	10.75	11.46	10.99	9.71	10.47	10.43
Upper Hem. Efficiency (%)	9.89	10.98	10.66	9.44	10.26	10.29	8.86	9.98	10.50	9.53	10.96	11.42	10.81	11.91	11.51	10.40	10.98	10.55	9.28	9.94	9.88
Lower Hem. Efficiency (%)	15.13	16.86	16.44	13.98	14.90	15.21	13.07	14.35	15.19	13.99	16.19	16.95	16.40	18.05	17.54	16.24	17.26	16.48	14.49	15.73	15.68
T90(H)圖度	7.86	8.03	8.21	8.37	8.01	8.44	8.41	8.22	7.79	7.72	7.75	7.52	7.45	7.37	7.18	7.08	7.10	7.22	7.31	7.38	7.62
Gain 15deg (dBi)																					
E1(XZ)波瓣宽度	170.00	62.00	167.00	170.00	172.00	172.00	236.00	172.00	94.00	92.00	92.00	94.00	95.00	237.00	96.00	135.00	134.00	133.00	132.00	133.00	133.00
E1(XZ)前后比	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21	0.27	0.43	0.34	0.26	0.27	0.10	0.00	0.00	0.00	0.00	0.00
E2(YZ)波瓣宽度	30.00	29.00	28.00	28.00	27.00	27.00	27.00	26.00	26.00	26.00	25.00	25.00	25.00	25.00	25.00	25.00	24.00	24.00	24.00	23.00	23.00
E2(YZ)前后比	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	0.00	0.00	0.00	0.00
最大增益处轴比(P)	3.24	3.03	2.80	2.94	3.80	4.05	3.69	4.03	3.90	3.88	4.94	4.87	5.18	5.33	5.76	5.62	6.03	6.30	6.64	6.63	6.66
仰角10度最差(大)轴比(P)	54.63	59.64	69.58	57.15	55.83	61.18	58.54	59.54	66.84	53.73	48.85	53.46	50.01	48.00	52.18	44.96	55.90	50.28	46.46	54.62	47.41
Empty																					





天线尺寸:

antenna photo & lenght(mm)



SKB369 Recommended PCB Footprint