

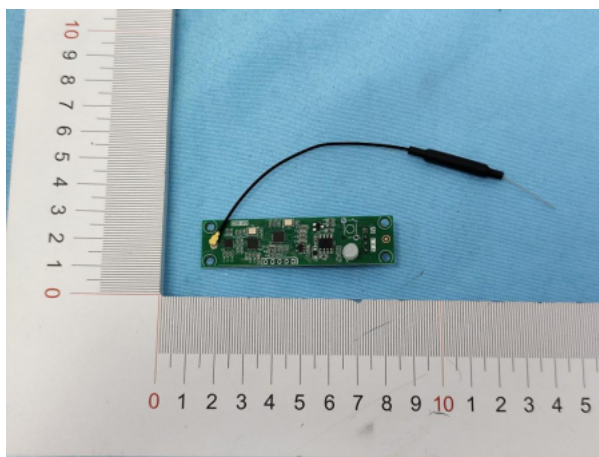


Specifications: 2.4G fine copper tube/RG1.13 - 15CM
total length cable/IPEX (Generation 1)

Manufacturing date: December 4, 2024

Manufacturer: Shenzhen Kexin Wireless Technology Co., Ltd.
Address: Building H, Shabeili Hongyongli Industrial Zone, Longxin
Community, Baolong Street, Longgang District, Shenzhen, Guangdong,
China

1. 产品图片 Product Images



2. 电气性能测试报告: Electrical performance test report VSWR:



3. 产品性能参数：Product performance parameters

电性能指标Electrical Specifications	
频率范围Frequency Range (MHz)	2400-2500
输入阻抗Input Impedence (Ω)	50
电压驻波比V.S.W.R	≤ 2.0
增益Gain (dBi)	2 . 12
极化形式Polarization Type	线性极化Linear Polarization
辐射方向Radiation Direction	全向Omni-Directional
机械指标Mechanical Specifications	
连接器型号Connect Type	IPEX 1代
电缆型号Cable Type	RG1.13
天线尺寸Size	$\Phi 3.5 \times 200\text{mm}$
工作温度Operating Temp	-30 ~ +75 °C

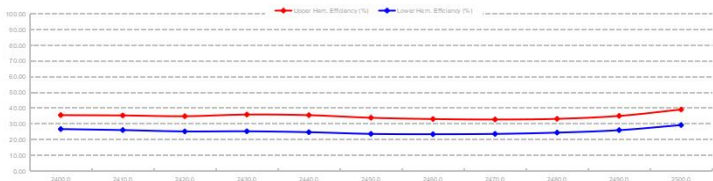
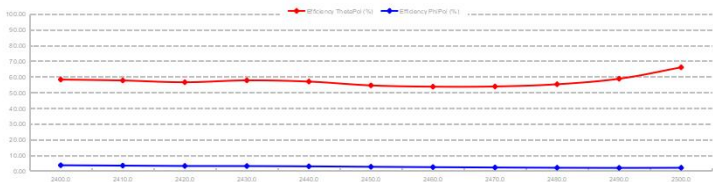
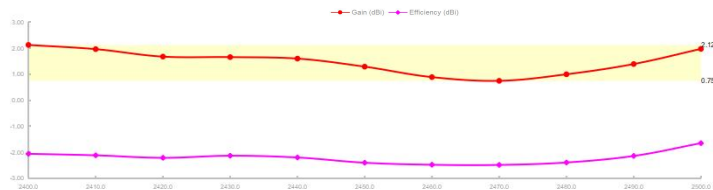


Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-2.06	-2.12	-2.21	-2.13	-2.20	-2.40	-2.48	-2.49	-2.39	-2.14	-1.65
Gain (dBi)	2.12	1.96	1.68	1.66	1.60	1.29	0.89	0.75	1.00	1.39	1.97
Efficiency (%)	62.25	61.43	60.08	61.21	60.25	57.53	56.50	56.42	57.64	61.08	68.40
Directivity (dB)	4.18	4.08	3.89	3.79	3.80	3.69	3.37	3.23	3.39	3.53	3.62
Peak Gain Position (Theta)	91.00	91.00	90.00	88.00	87.00	82.00	81.00	94.00	93.00	91.00	90.00
Peak Gain Position (Phi)	128.00	125.00	83.00	43.00	306.00	346.00	345.00	118.00	118.00	119.00	117.00
Efficiency ThetaPol (%)	58.44	57.83	56.72	57.91	57.13	54.69	53.89	54.01	55.41	58.93	66.19
Efficiency PhiPol (%)	3.82	3.59	3.37	3.30	3.12	2.84	2.62	2.40	2.23	2.14	2.21
Upper Hem. Efficiency (%)	35.56	35.37	34.88	35.93	35.54	33.90	33.08	32.80	33.21	35.08	39.15
Lower Hem. Efficiency (%)	26.69	26.05	25.20	25.28	24.71	23.62	23.42	23.62	24.43	26.00	29.25

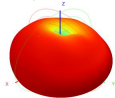
T90(H) Roundness	2.13	1.59	1.07	1.26	1.72	1.93	1.71	1.34	1.74	1.98	2.02
Gain 15deg (dBi)											
E1(XZ) beamwidth	44.00	45.00	63.00	61.00	62.00	63.00	65.00	69.00	68.00	65.00	60.00
E1(XZ) Before and after comparison	5.11	5.64	6.12	6.87	7.43	7.76	7.34	6.75	6.68	6.91	7.22
E2(YZ) beamwidth	34.00	34.00	35.00	38.00	56.00	54.00	58.00	61.00	64.00	65.00	63.00
E2(YZ) Before and after comparison	6.16	6.63	7.12	7.51	7.97	8.41	8.79	8.98	9.07	9.16	9.21
Axial ratio (P) at maximum gain	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Worst (largest) axis ratio (P) at an elevation angle of 10 degrees	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Hc(XY) beamwidth	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
Hc(XY) Before and after	1.04	0.65	0.35	0.04	0.03	0.05	0.09	0.37	1.04	1.44	1.27

Empty

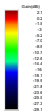
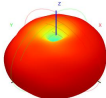




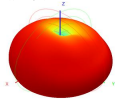
2433 (DRAG)-V, BT: 62.3%



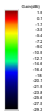
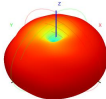
Back View



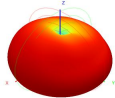
2433 (DRAG)-V, BT: 61.4%



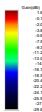
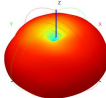
Back View



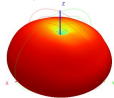
2433 (DRAG)-V, BT: 60.1%



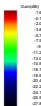
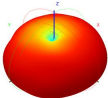
Back View



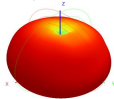
2.655 (DRAG)H-V, BT: 61.2%



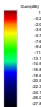
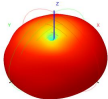
Back View



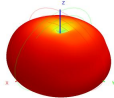
2.655 (DRAG)H-V, BT: 60.2%



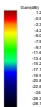
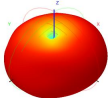
Back View

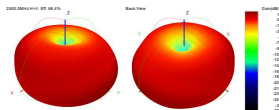
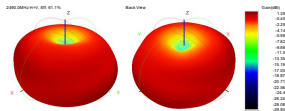


2.655 (DRAG)H-V, BT: 57.5%

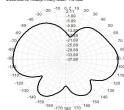


Back View

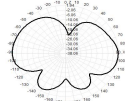




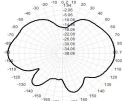
2000 (MHz) Total(3-AZ), Main: 1.61dB



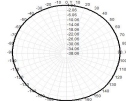
2410 (MHz) Tumor3 (ACT) Mean = 1.720dB



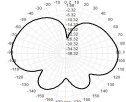
2410 (MHz) Tumor3 (CT) Mean = 1.720dB



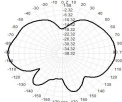
Tumor3 (XY) Mean = 1.686dB, C/D=1.155



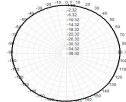
2420 (MHz) Tumor3 (ACT) Mean = 1.708dB



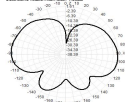
2420 (MHz) Tumor3 (CT) Mean = 1.710dB



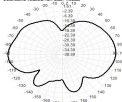
Tumor3 (XY) Mean = 1.686dB, C/D=1.151



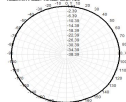
2430 (MHz) Tumor3 (ACT) Mean = 1.686dB



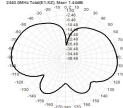
2430 (MHz) Tumor3 (CT) Mean = 1.686dB



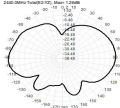
Tumor3 (XY) Mean = 1.610dB, C/D=1.126



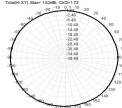
2.682 (MHz) Total(31-KZ), Mean = 1.638dB



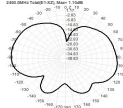
2.682 (MHz) Total(32-KZ), Mean = 1.294dB



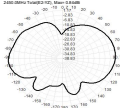
Total(XY), Mean = 1.838dB, CoD=1.72



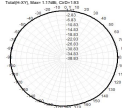
2.682 (MHz) Total(31-KZ), Mean = 1.738dB



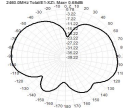
2.682 (MHz) Total(32-KZ), Mean = 0.838dB



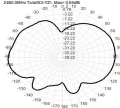
Total(XY), Mean = 1.738dB, CoD=1.83



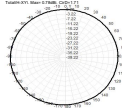
2.682 (MHz) Total(31-KZ), Mean = 0.838dB

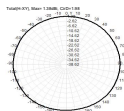
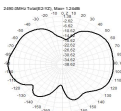
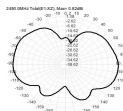
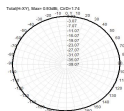
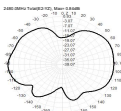
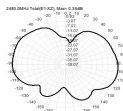
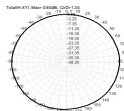
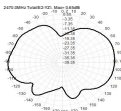
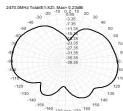


2.682 (MHz) Total(32-KZ), Mean = 0.838dB

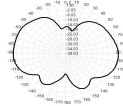


Total(XY), Mean = 0.738dB, CoD=1.71

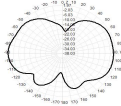




2000 (MAY) TotalW1 (K2) Mean = 1.41286



2000 (MAY) TotalW2 (K2) Mean = 1.41286



TotalW1 (K2) Mean = 1.41286

