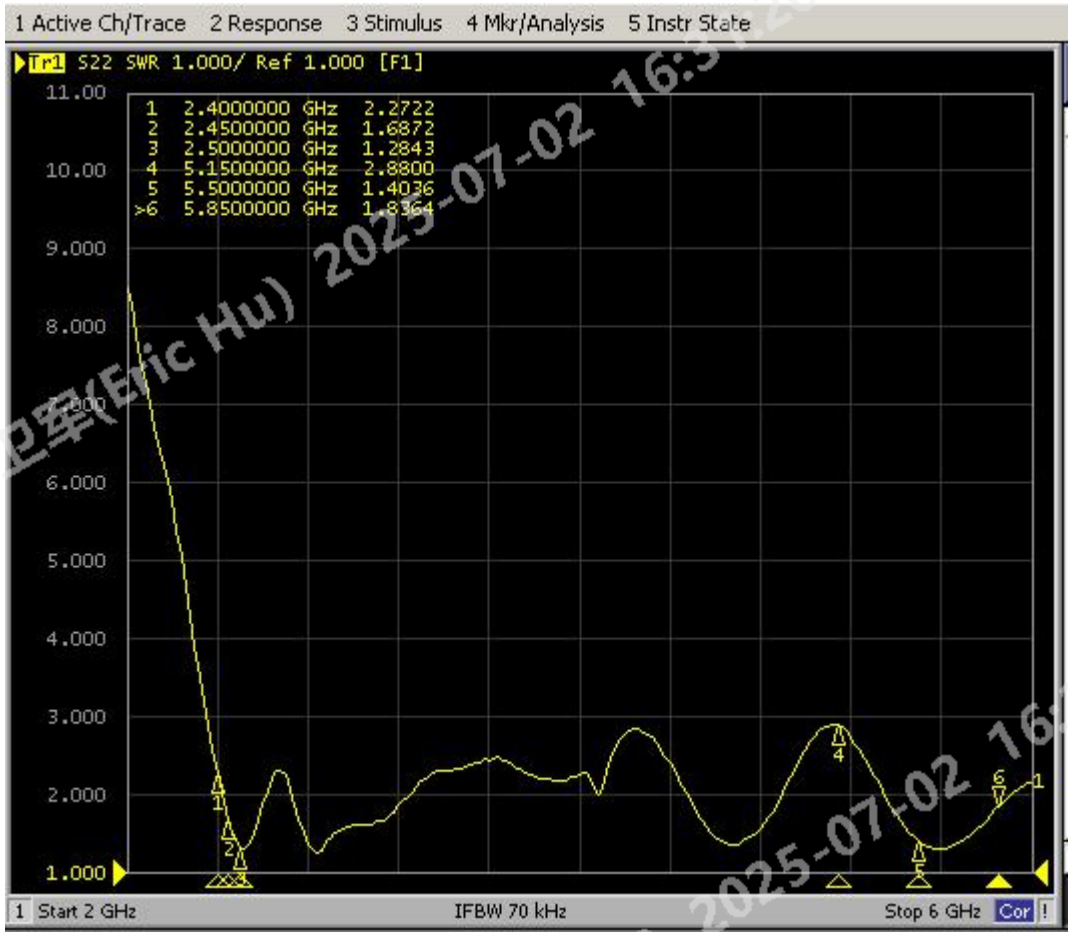


1.Product image:



2. Electrical performance test report:

VSWR:



3. 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（未匹配设备，仅供参考）
增益Gain (dBi)	3.0±0.5（未匹配设备，仅供参考）
极化形式Polarization Type	垂直Vertical
最大功率Maximum power(W)	10W
垂直面波瓣角度Vertical lobe Angle（E）	45~60°
水平面波瓣角度Water plane lobe Angle（H）	360°
机械指标Mechanical Specifications	
天线材质Material	FPC
连接器型号Connect Type	IPEX(1代)
天线尺寸Size	50*14*0.3MM
工作温度Operating Temp	-20 ~ +65 °C
储存温度Storage Temp	-30 ~ +75°C



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1、Product Name: 12CM line dual-frequency black soft built-in

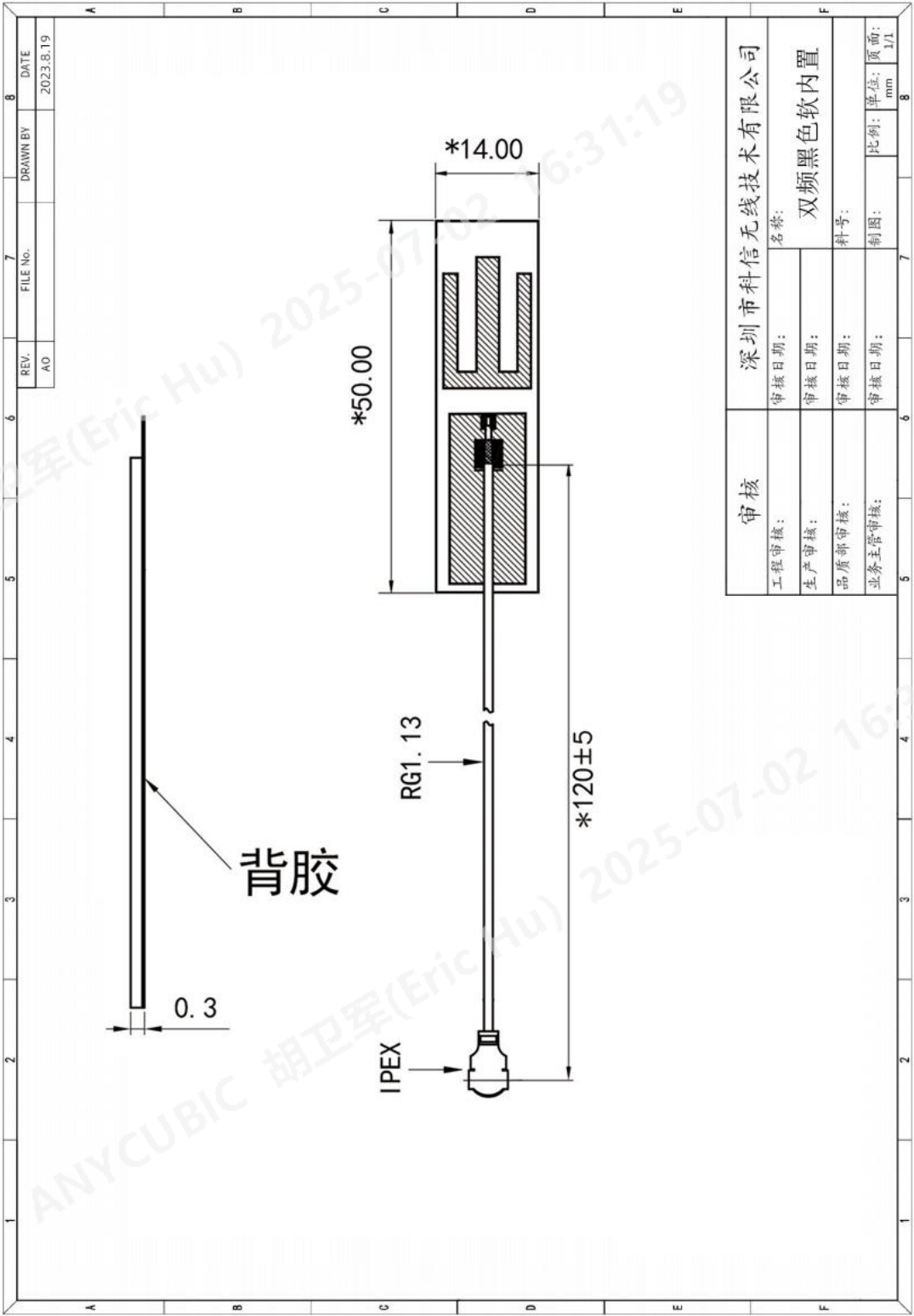
2、Product image [Actual shooting, 12CM line dual-frequency black soft built-in]





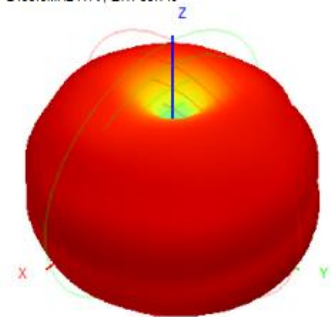
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3、Product specification diagram [12CM line dual-frequency black soft built-in]

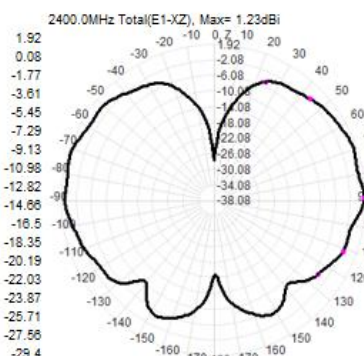
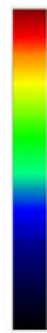
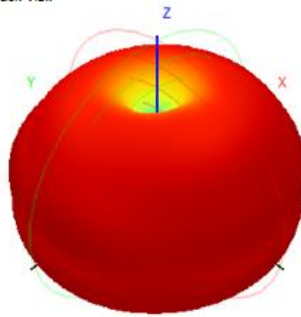


Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-1.57	-1.73	-1.90	-1.98	-1.97	-1.91	-2.02	-2.04	-1.98	-2.05	-1.95
Gain (dBi)	1.92	1.34	1.08	1.08	1.12	1.18	1.06	1.16	1.26	1.14	1.13
Efficiency (%)	69.71	67.11	64.59	63.33	63.49	64.43	62.77	62.46	63.46	62.40	63.81
Directivity (dB)	3.48	3.07	2.98	3.06	3.10	3.09	3.08	3.20	3.24	3.18	3.08
Peak Gain Position (Theta)	91.00	91.00	74.00	75.00	76.00	77.00	84.00	86.00	87.00	88.00	89.00
Peak Gain Position (Phi)	79.00	79.00	6.00	2.00	0.00	356.00	108.00	87.00	87.00	83.00	81.00
Efficiency ThetaPol (%)	68.24	65.73	63.30	62.14	62.39	63.40	61.82	61.52	62.48	61.39	62.74
Efficiency PhiPol (%)	1.48	1.39	1.29	1.19	1.10	1.03	0.95	0.94	0.98	1.01	1.08
Upper Hem. Efficiency (%)	44.24	41.77	39.35	38.35	38.54	39.41	38.73	38.77	39.40	38.46	38.74
Lower Hem. Efficiency (%)	25.48	25.34	25.24	24.98	24.95	25.02	24.04	23.69	24.06	23.94	25.07

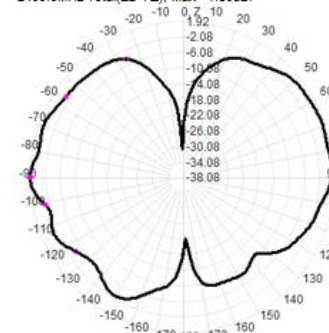
2400.0MHz H+V, Eff: 69.7%



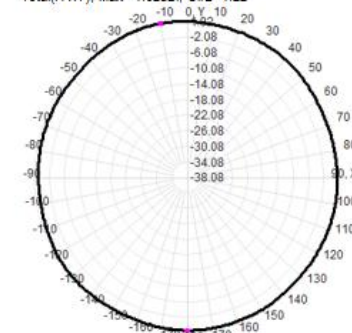
Back View



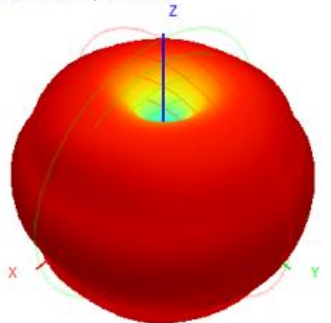
2400.0MHz Total(E2-YZ), Max= 1.85dBi



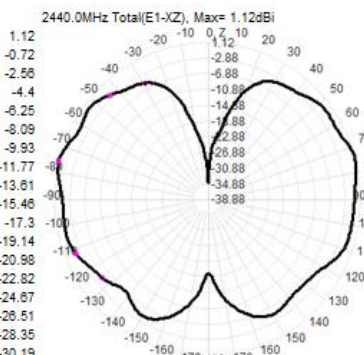
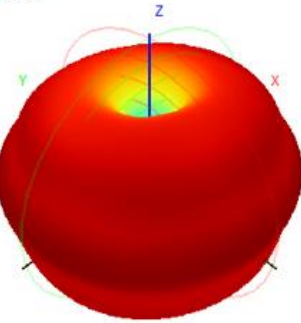
Total(H+V), Max= 1.92dBi, CirD=1.22



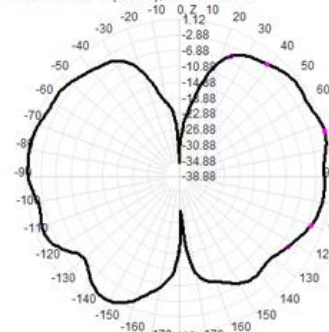
2440.0MHz H+V, Eff: 63.5%



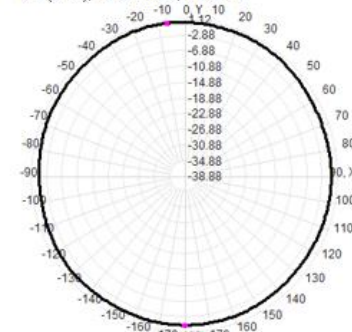
Back View



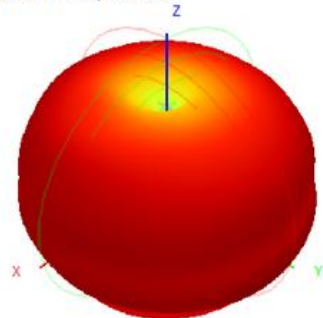
2440.0MHz Total(E2-YZ), Max= 0.78dBi



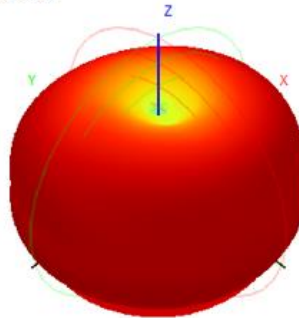
Total(H+V), Max= 0.36dBi, CirD=1.58



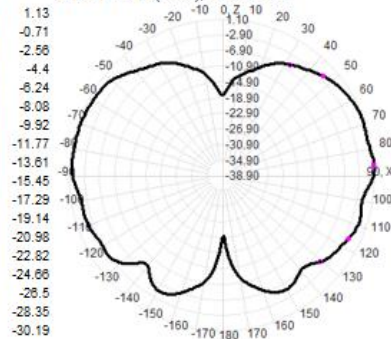
2500.0MHz H+V, Eff: 63.8%



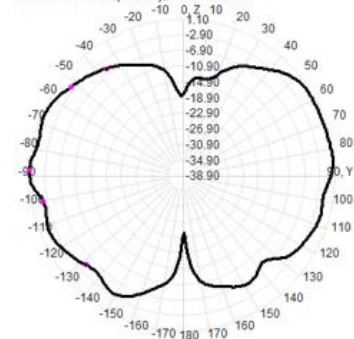
Back View



2500.0MHz Total(E1-XZ), Max= 0.78dBi



2500.0MHz Total(E2-YZ), Max= 1.10dBi



Total(H+V), Max= 1.08dBi, CirD=1.35

