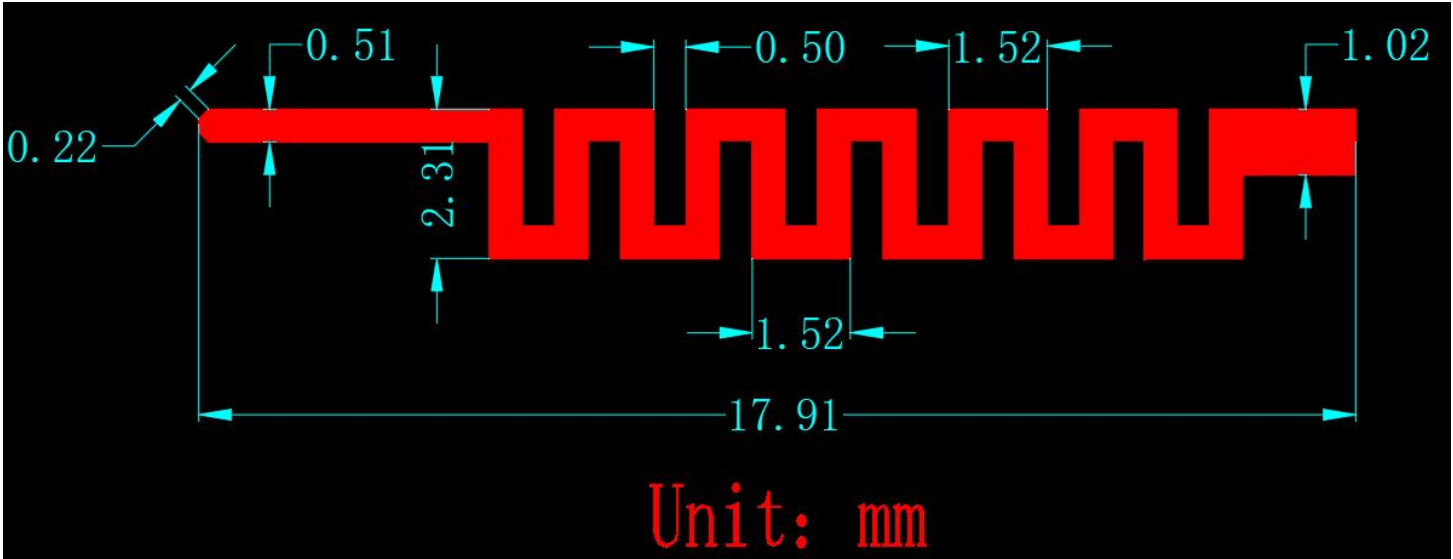


COOLWEAR 柯沃技术	SPECIFICATION		Reference No.
	Product Description	Model No.	
	BT Antenna	CW097	
Manufacturer：Shenzhen Coolwear Technology Co.,Ltd.			Page
Address：Room 602,Tower A,Jieshun Tech Park,Huanguan South Rd,Longhua Dist.,Shenzhen,P.R.China.			
Date：2026-03-20			1

1、Overall Performance(Antenna Element,FPC&Cable)	
CHARACTERISTICS	SPEC
Frequency Range	2400~2500MHz
Gain	Max 1dBi(@2470MHz)
Efficiency	Max 14.1%(@2490MHz)
Output VSWR	Max 1.17(@2483MHz)
Output Impedance	50ohm
Polarization	L.P
Dimensions	Monopole FPC板载天线
2、Application	
This application shall apply for antenna unit which shall be used with communication (for impedance 50 ohm)	
3、Operating Conditions	
Temperature	-40°C to +85°C
Humidity	10% to 95% RH
4、Storage Condition	
Temperature	-40°C to +90°C
Humidity	10% to 95% R H

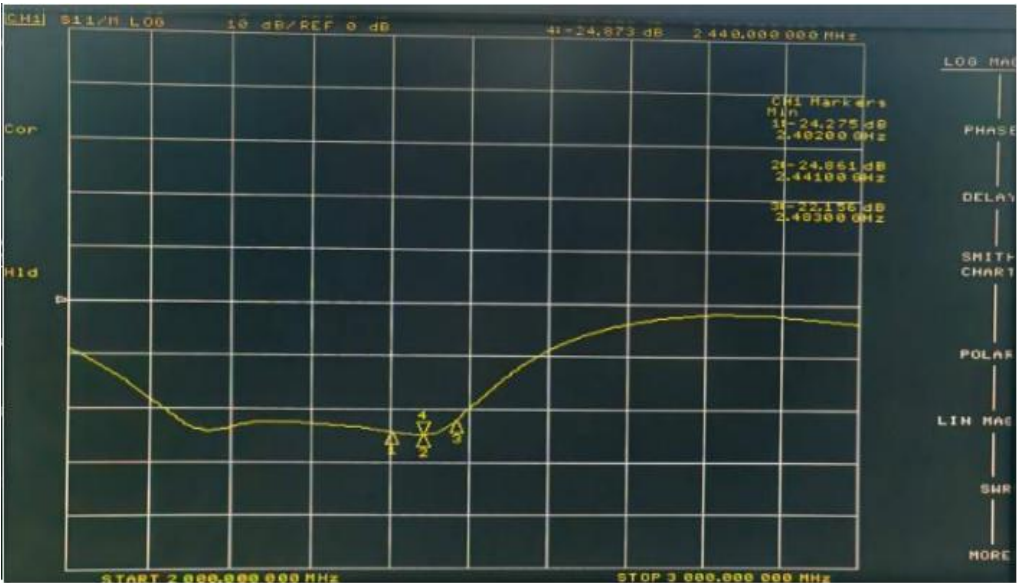
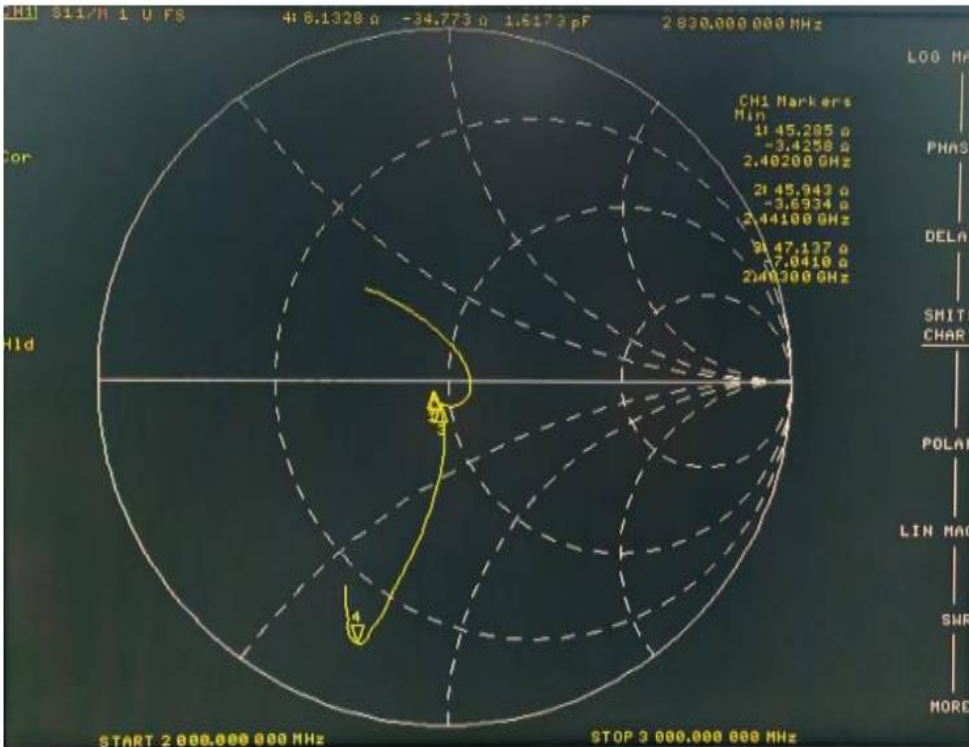
COOLWEAR 柯沃技术	SPECIFICATION		Reference No.
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	BT Antenna	CW097	
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Address：Room 602,Tower A,Jieshun Tech Park,Huanguan South Rd,Longhua Dist.,Shenzhen,P.R.China.			
Date：2026-03-20			2

5、Antenna Dimensions



COOLWEAR 柯沃技术	SPECIFICATION		Reference No.
	Product Description	Model No.	
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Date：2026-03-20			3

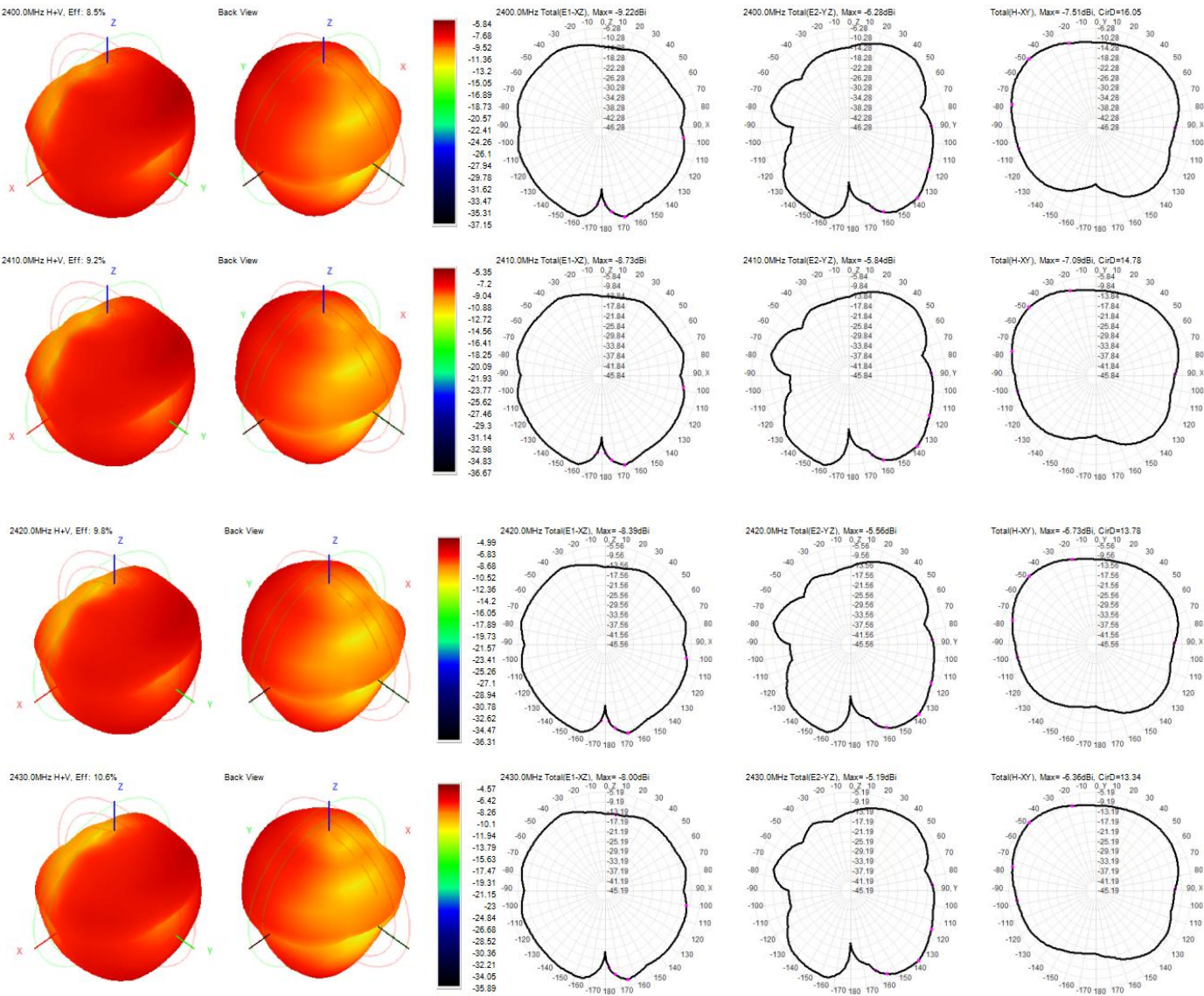
6、Antenna Smith Chart Impedance And S11 Parameter



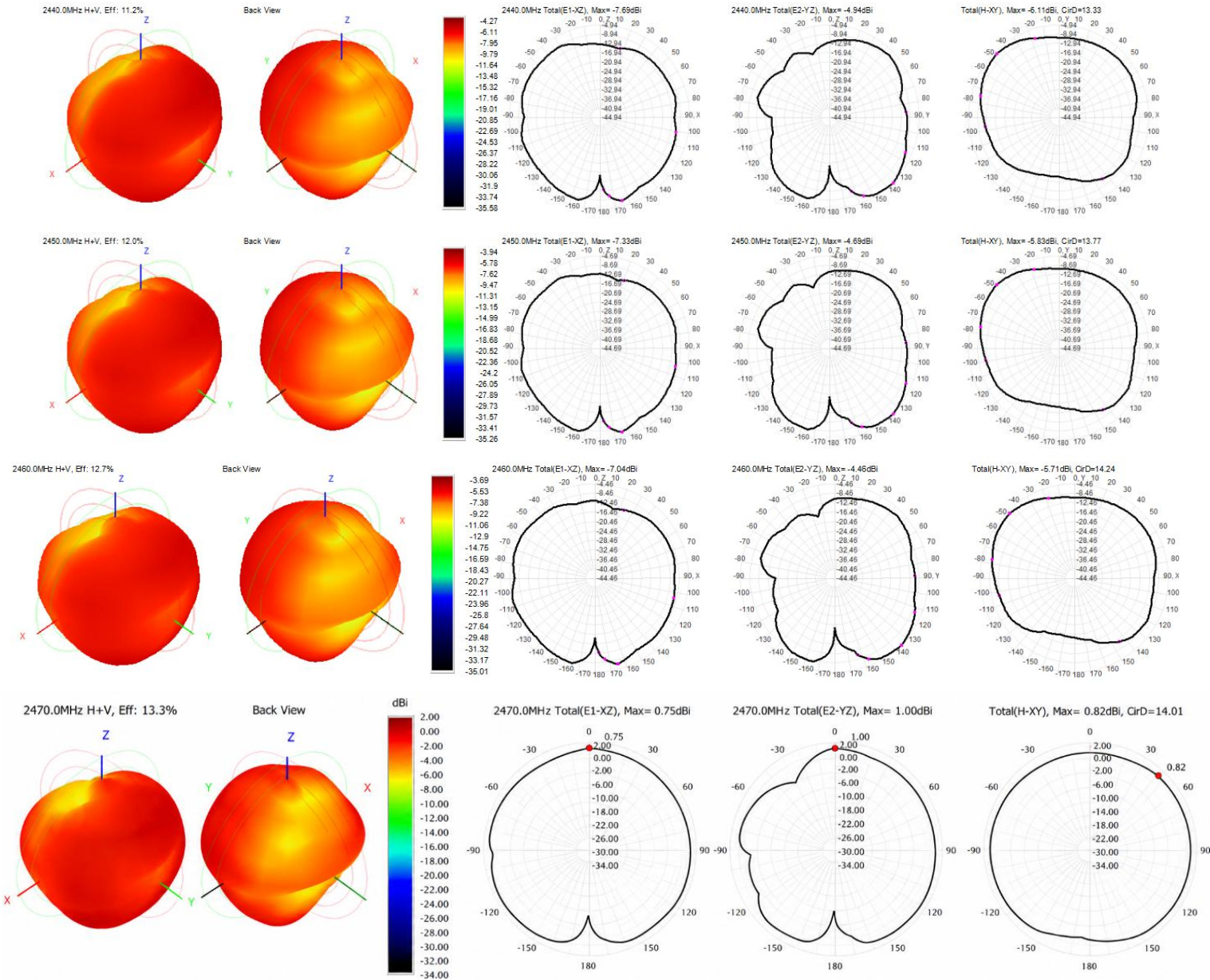
Fre.(MHz)	2402	2441	2483
S11(dB)	-24.27	-24.86	-22.15

COOLWEAR 柯沃技术	SPECIFICATION		Reference No.
	Product Description	Model No.	
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Address：Room 602,Tower A,Jieshun Tech Park,Huanguan South Rd,Longhua Dist.,Shenzhen,P.R.China.			
Date：2026-03-20			4

7、Antenna Gain And Radiation Efficiency

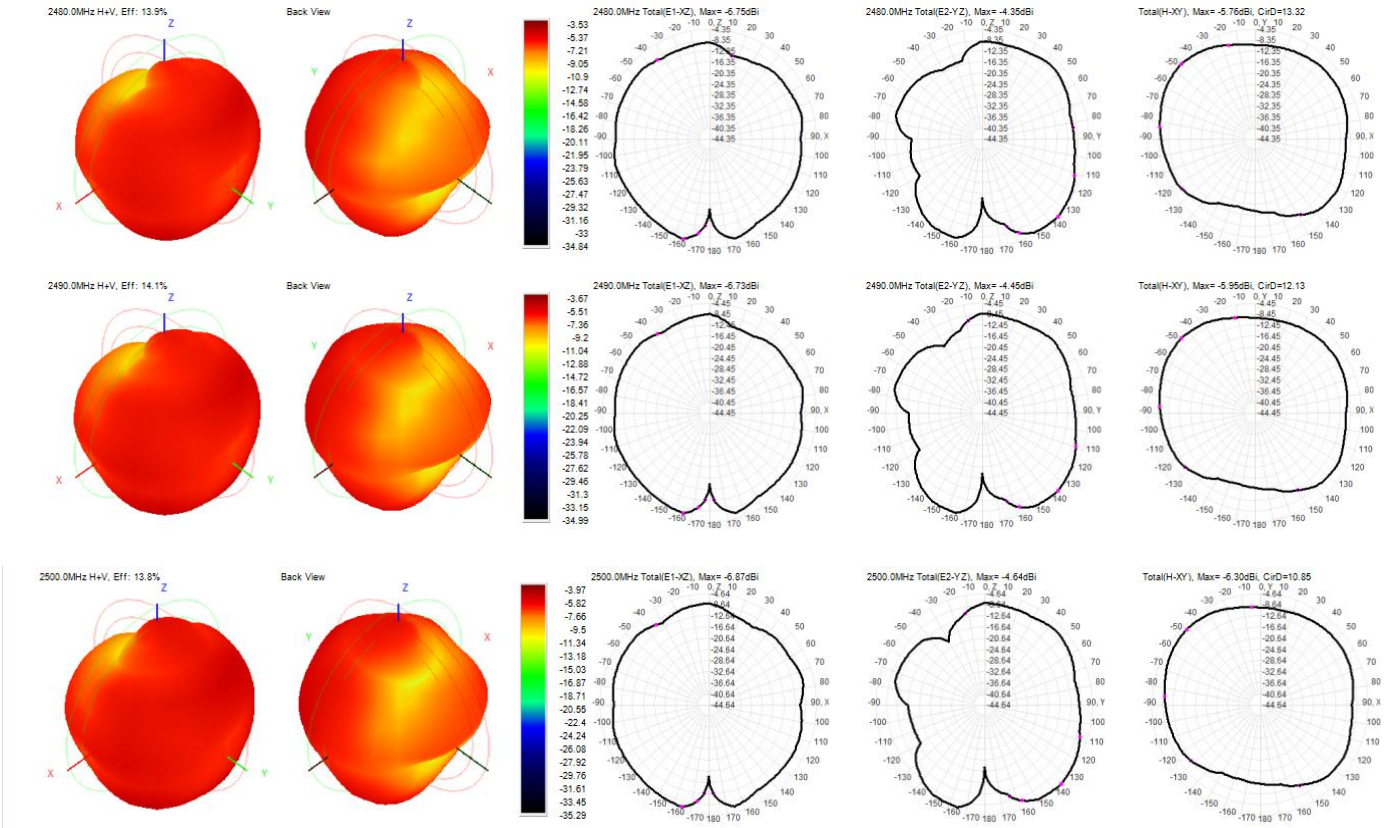


COOLWEAR 柯沃技术	SPECIFICATION		Reference No.
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	BT Antenna	CW097	
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Date：2026-03-20			5



COOLWEAR 柯沃技术	SPECIFICATION		Reference No.
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Date: 2026-03-20	6



COOLWEAR 柯沃技术	SPECIFICATION		Reference No.
	Product Description	Model No.	
	BT Antenna	CW097	
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Date：2026-03-20			7

Frequency (MHz)	Max Gain (dBi)	Efficiency (%)
2400	-5.28	8.5
2410	-5.84	9.2
2420	-5.56	9.8
2430	-5.19	10.6
2440	-4.94	11.2
2450	-4.69	12.0
2460	-4.46	12.7
2470	1.00	13.3
2480	-4.35	13.9
2490	-4.45	14.1
2500	-4.64	13.8