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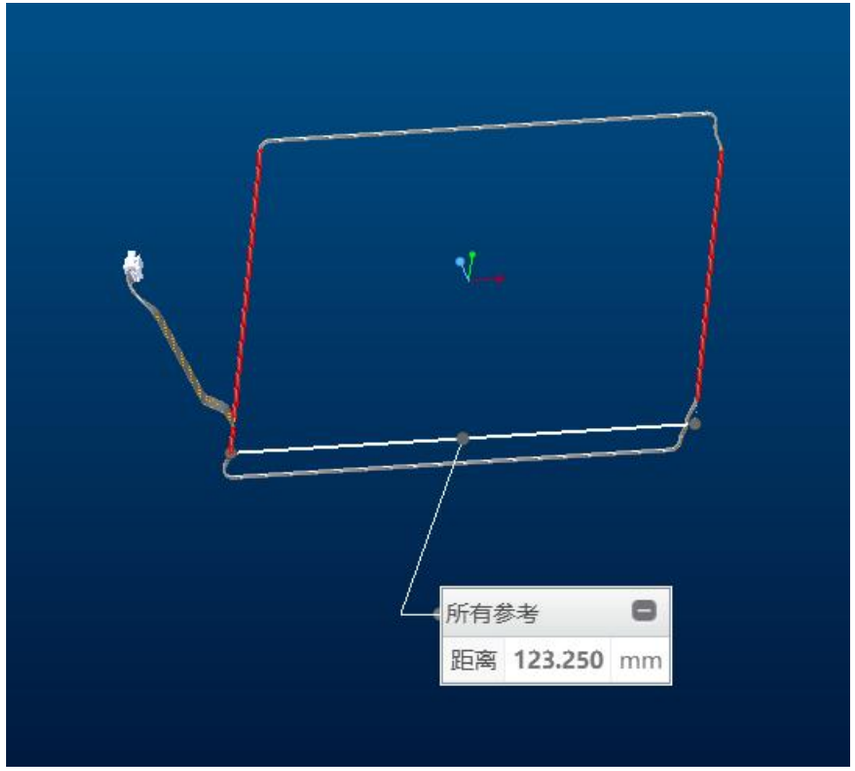
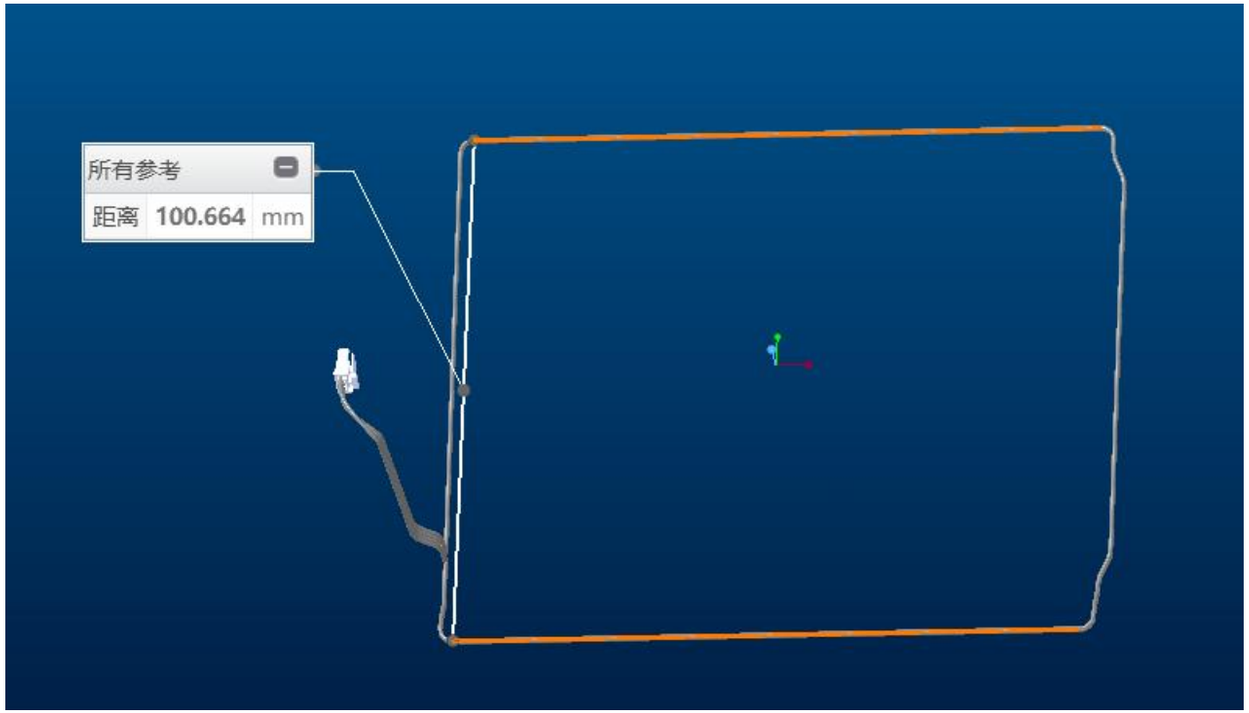
K0161-单圈NFC天线-单圈

K0161-NFC-Single coil

2025\06\10

NFC天线-单圈 NFC-Single coil





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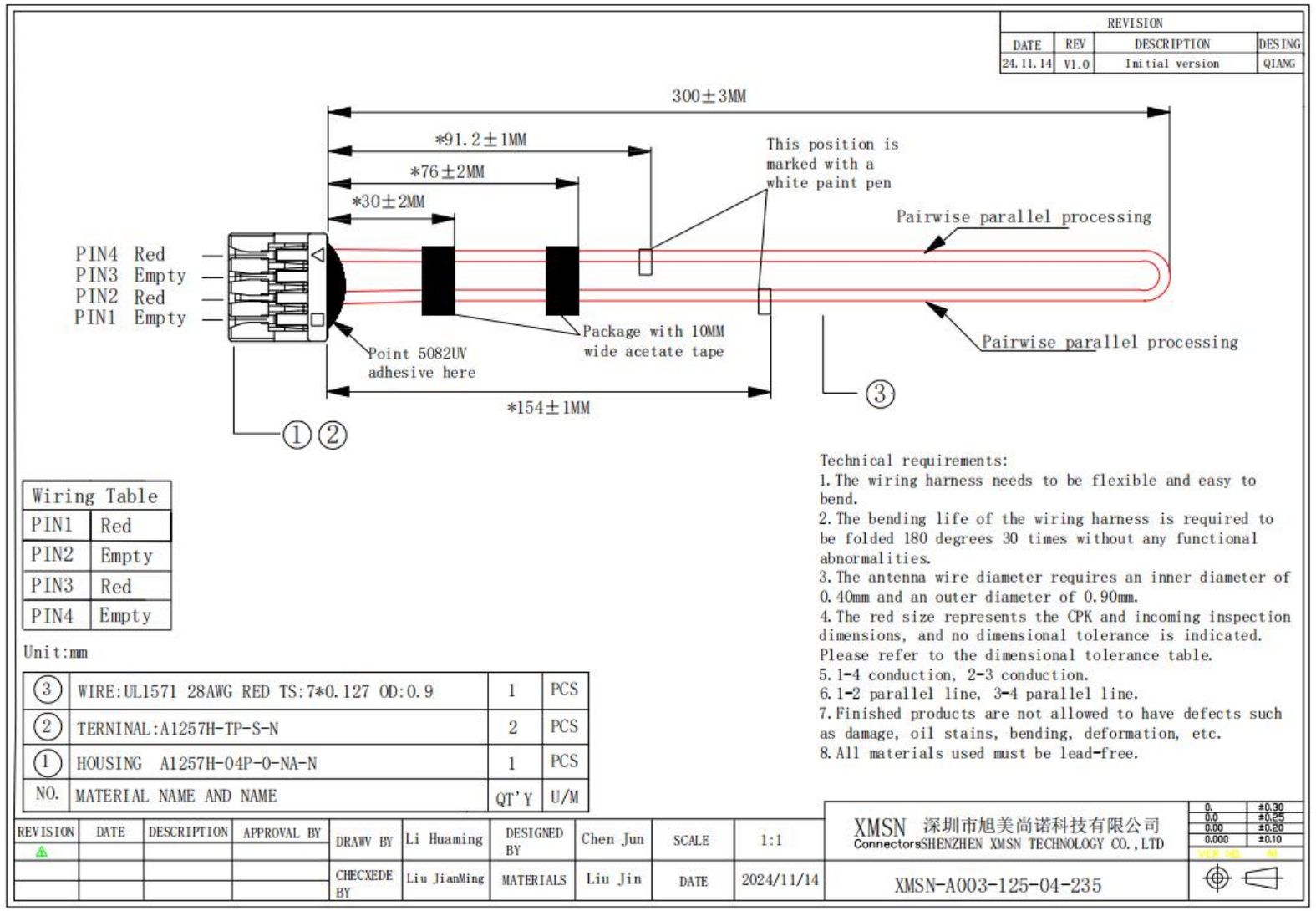
NFC天线-单圈 NFC-Single coil

Manufacturer： XMSN Model:XMSN-A003-125-04-235



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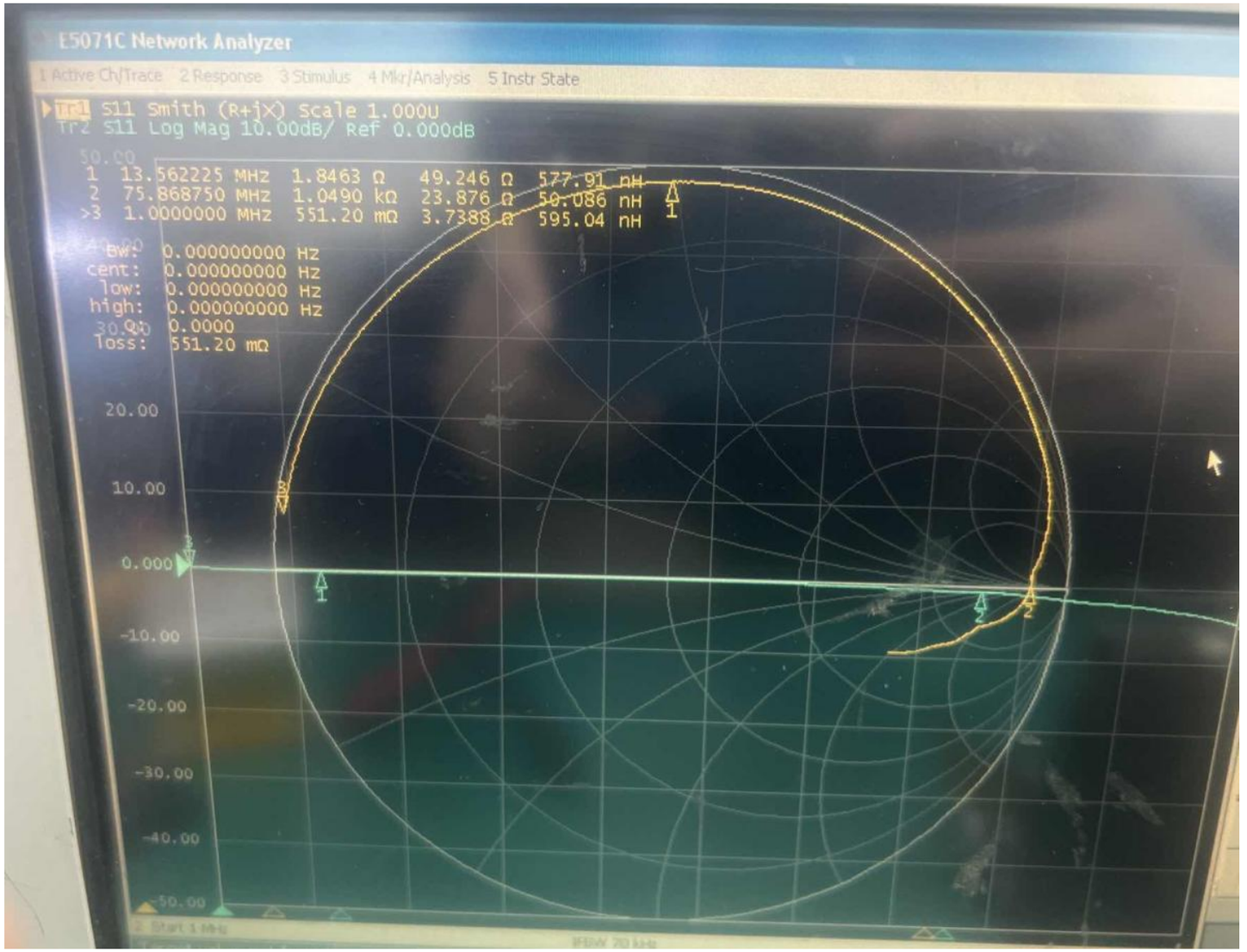
线圈参数 Coil Parameters



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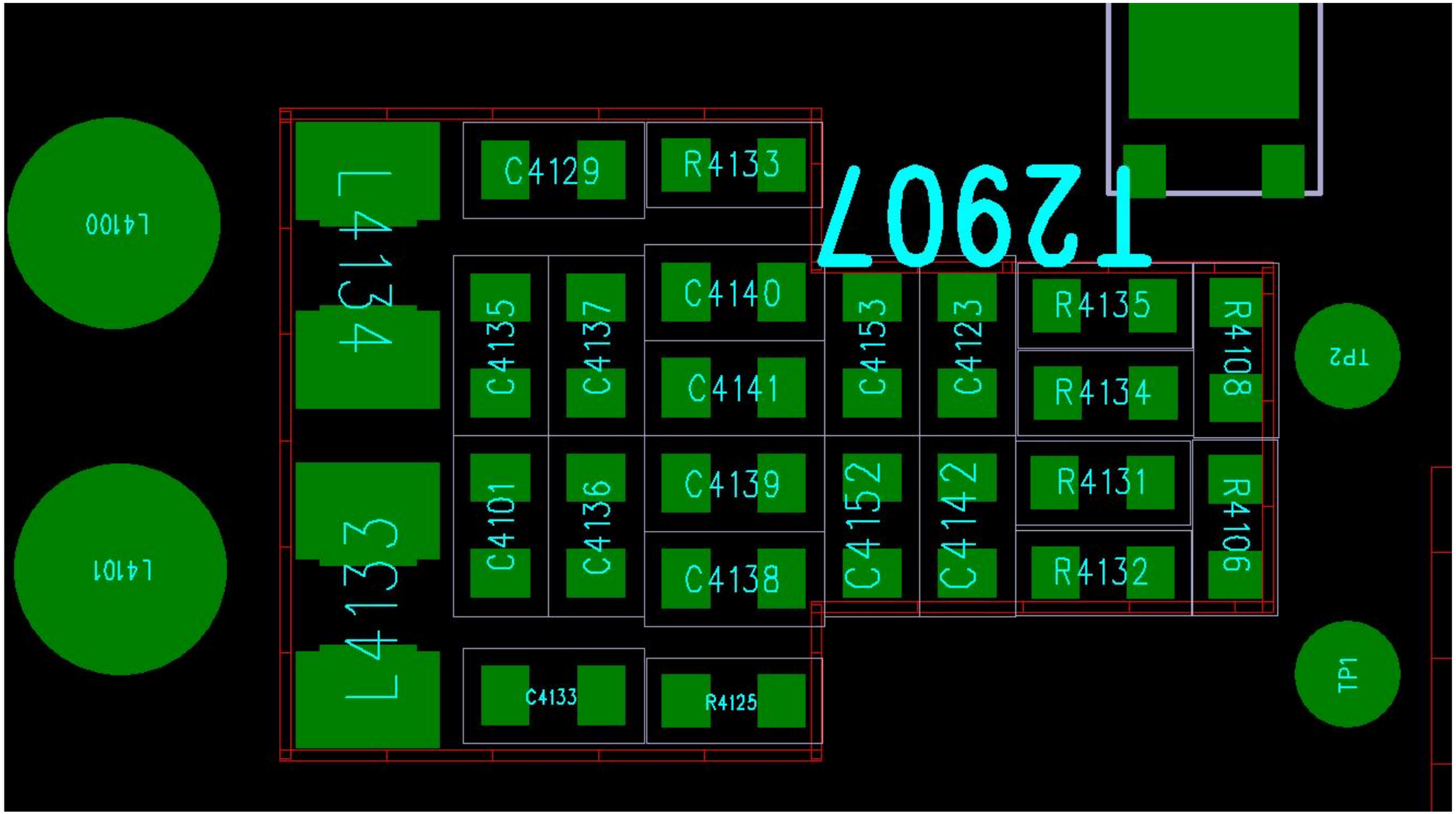
位号图-location



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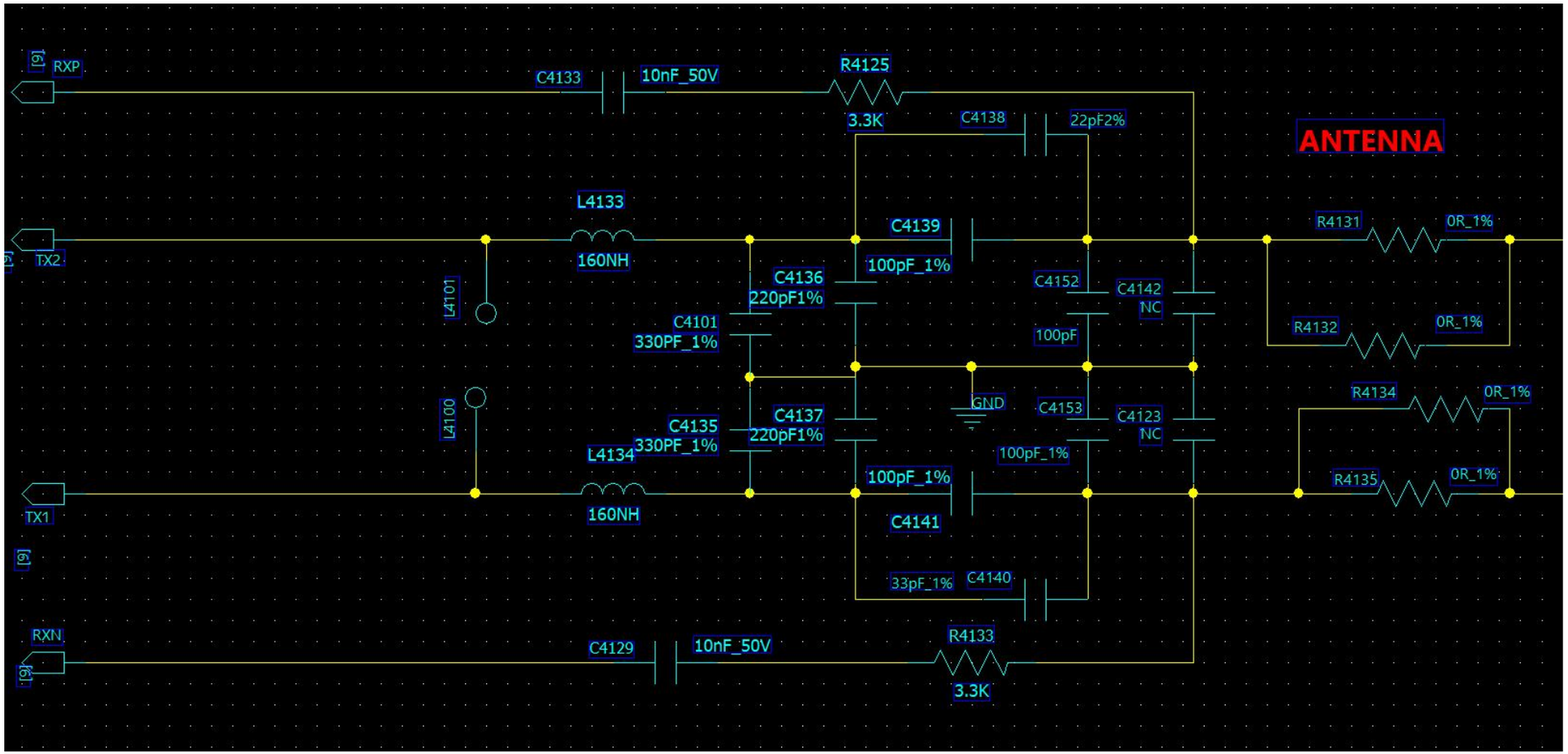
电路图-schematic



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天线匹配-Antenna Matching

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元器件	位号	容/感值	精度	料号	封装大小
L0	L4133/L4134	180nH	5%	R3413111180LB	0805
C0	C4101/C4135	680PF	1%	R3311811680LJ	0402
C0	C4136/C4137	NA	1%	NA	0402
C1	C4139/C4141	47PF	1%	R3311960470LA	0402
C1	C4138/C4140	18PF	1%	R3311960180LE	0402
C2	C4152/C4153	220PF	1%	R3311811220LD	0402
C2	C4142/C4123	220PF	1%	R3311811220LD	0402
Rext	R4135/R4131	0R	1%	/	0402
Rext	R4134/R4132	NA	NA	NA	0402
Rrx	R4133/R4125	3.3K	5%	/	0402
Crx	C4133/C4129	1nF	1%	R3311960100LG	0402

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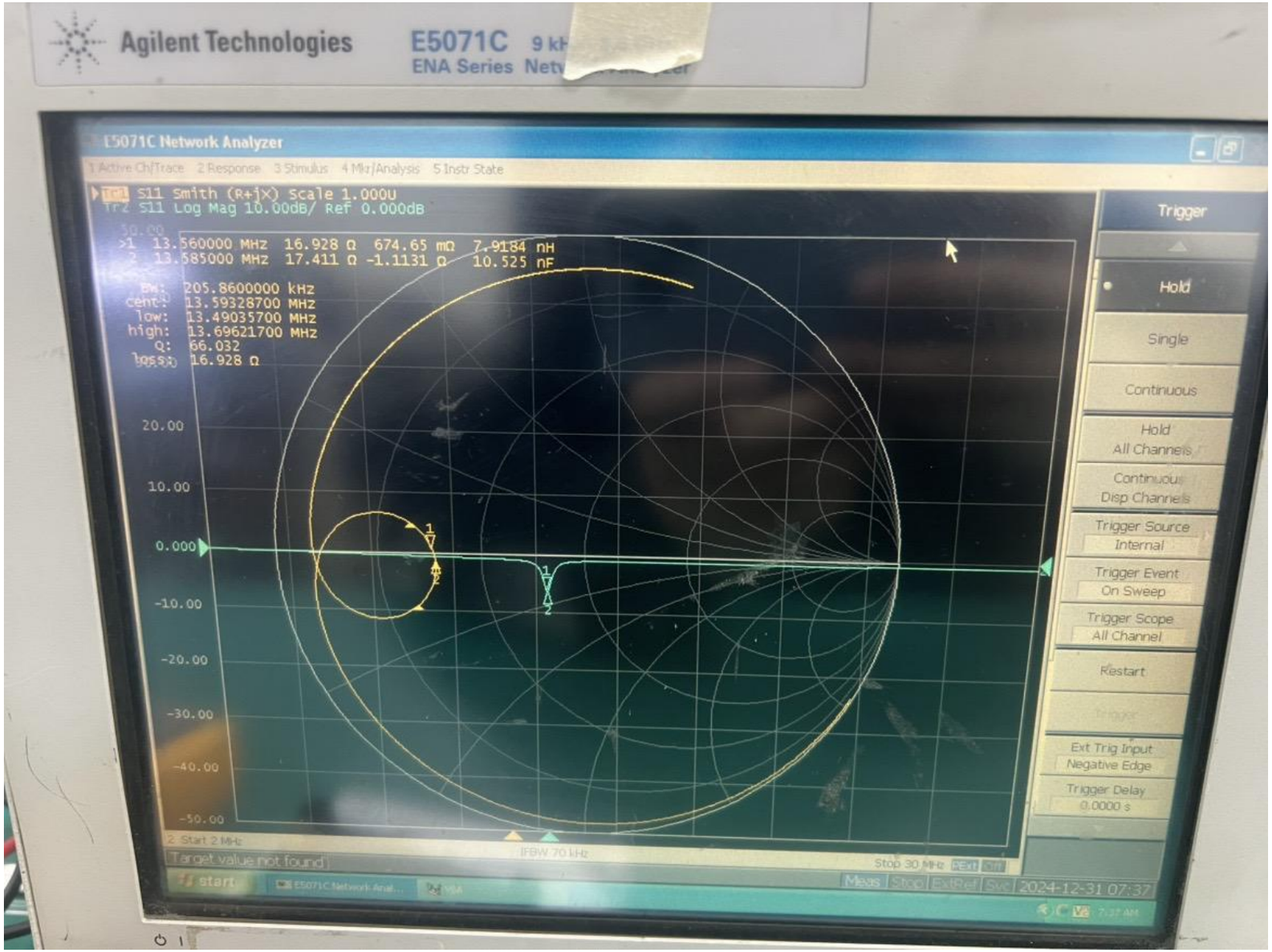
Smith Chart



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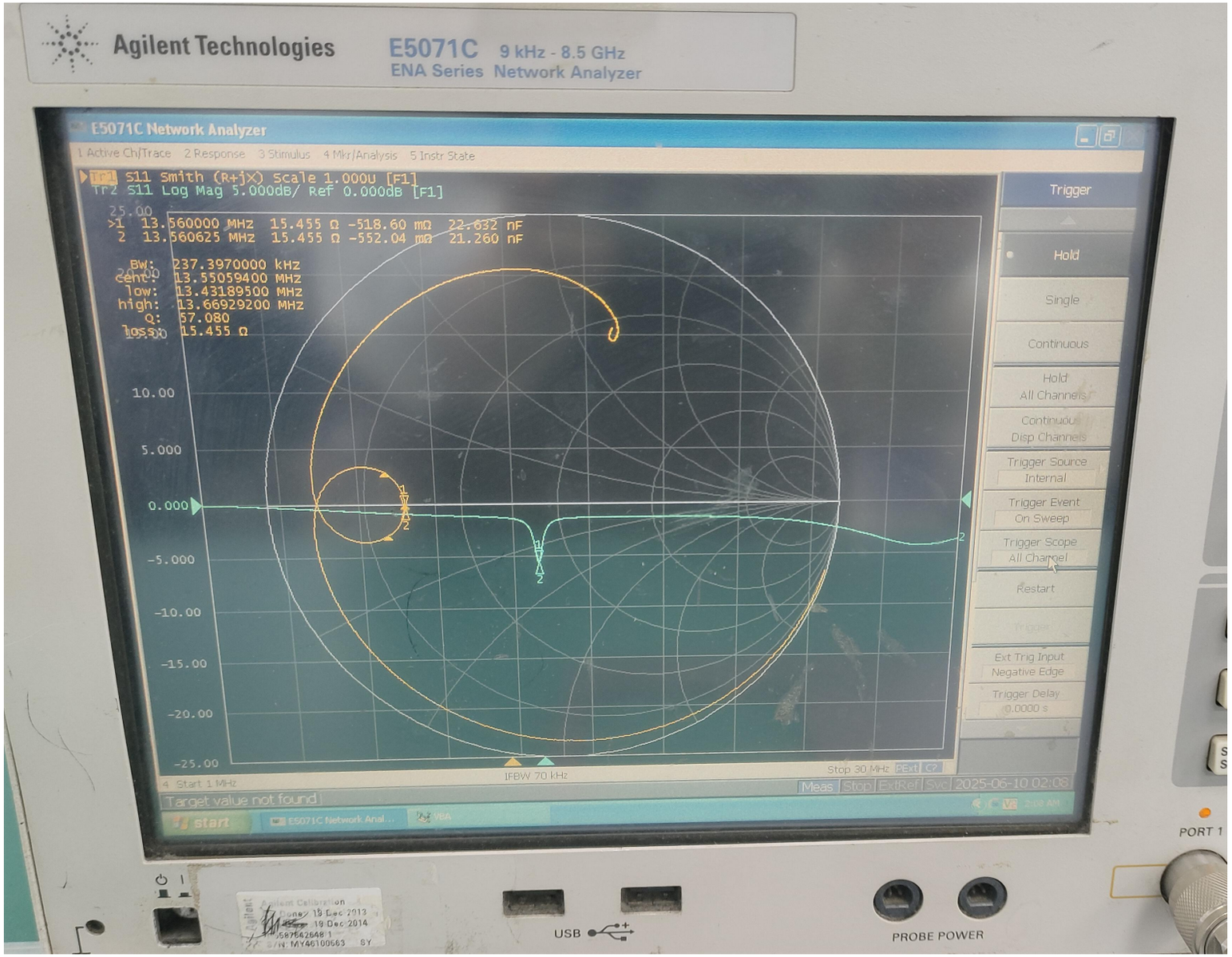
Smith Chart-DVT2



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读卡和卡模拟

读写 read/write	距离 distance (cm)	祥承标准（该项目PD要求） XC standard (follow Production Definition)
Type 4A	6.8	>4
Type 4B	6.2	>3
Type 5 V	10	>6
Card simulation (Xiaomi 13u)	13cm	>6
Card simulation (Apple 13)	9cm	
Card simulation(ACR1221u)	14mm	

XC TECH
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