



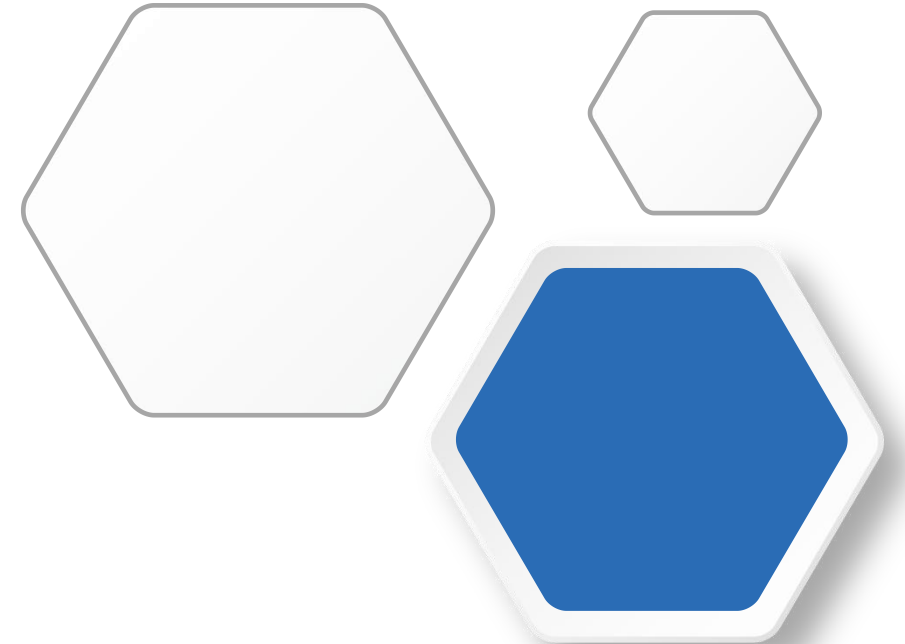
Topositive Internet of Things

# The LS20 antenna test report



Radio frequency: Li Gong

Time: 2024.08.23





# catalogue

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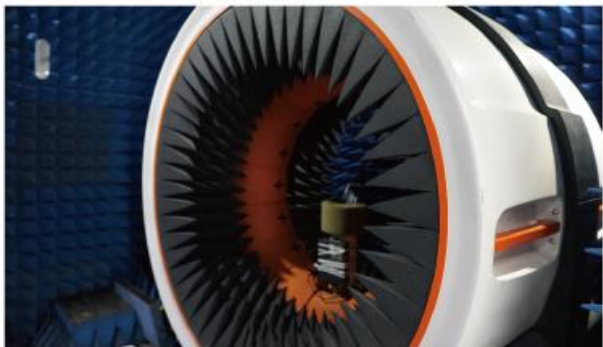
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Project overview

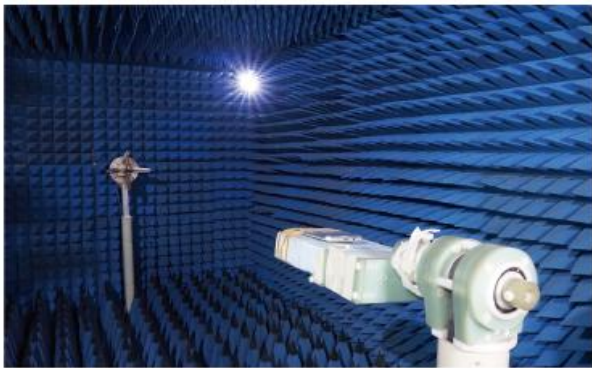
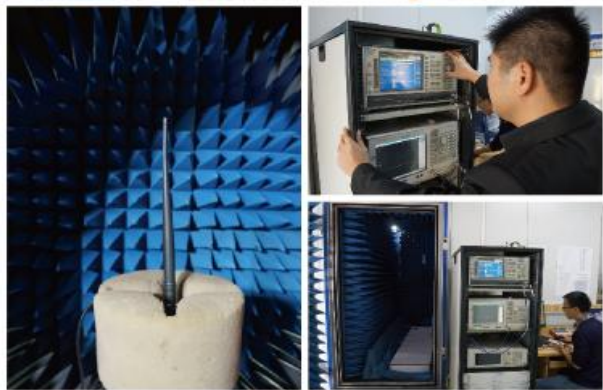


## basic information:

【SATIMO】



【广屏】



## test macro

- SATIMO, Agilent E5071C, Anritsu MT8820C, CMW500, StarPoint SP9500

### SATIMO暗室-配备

Anritsu综测仪8820c/Agilent网分5071C/Agilent综测仪E4438C

### 广屏暗室-配备

Agilent-综测仪8960/罗德-cmw500

### 调试网分

Agilent 网分5071C



basic  
information:



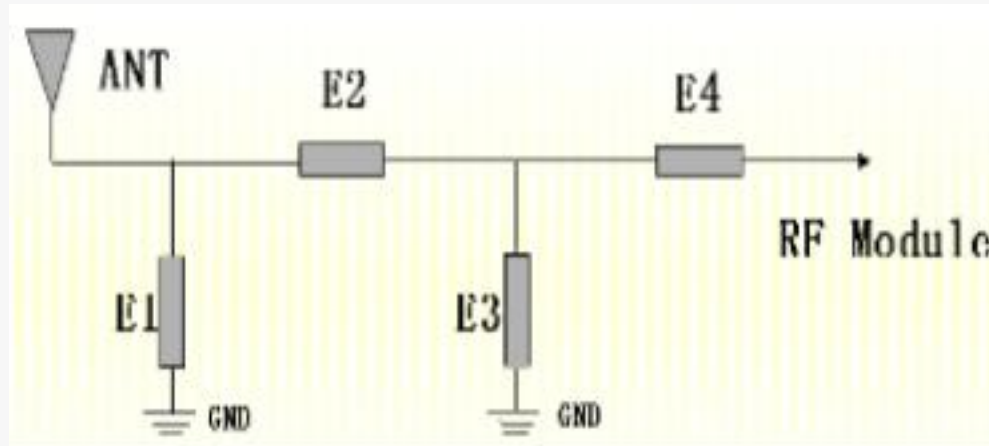
## Complete machine data: machine data

- Manufacture: Qiwo Intelligence
- Add.:41st Floor, Block A, Longhua District Digital Innovation Center, 328 Mintang Road, North Station Community, Minzhi Street, Longhua District
- Project name: HF004
- Frequency band information: BT



## antenna loading coil

Antenna circuit matching description



(1) BT antenna and antenna matching

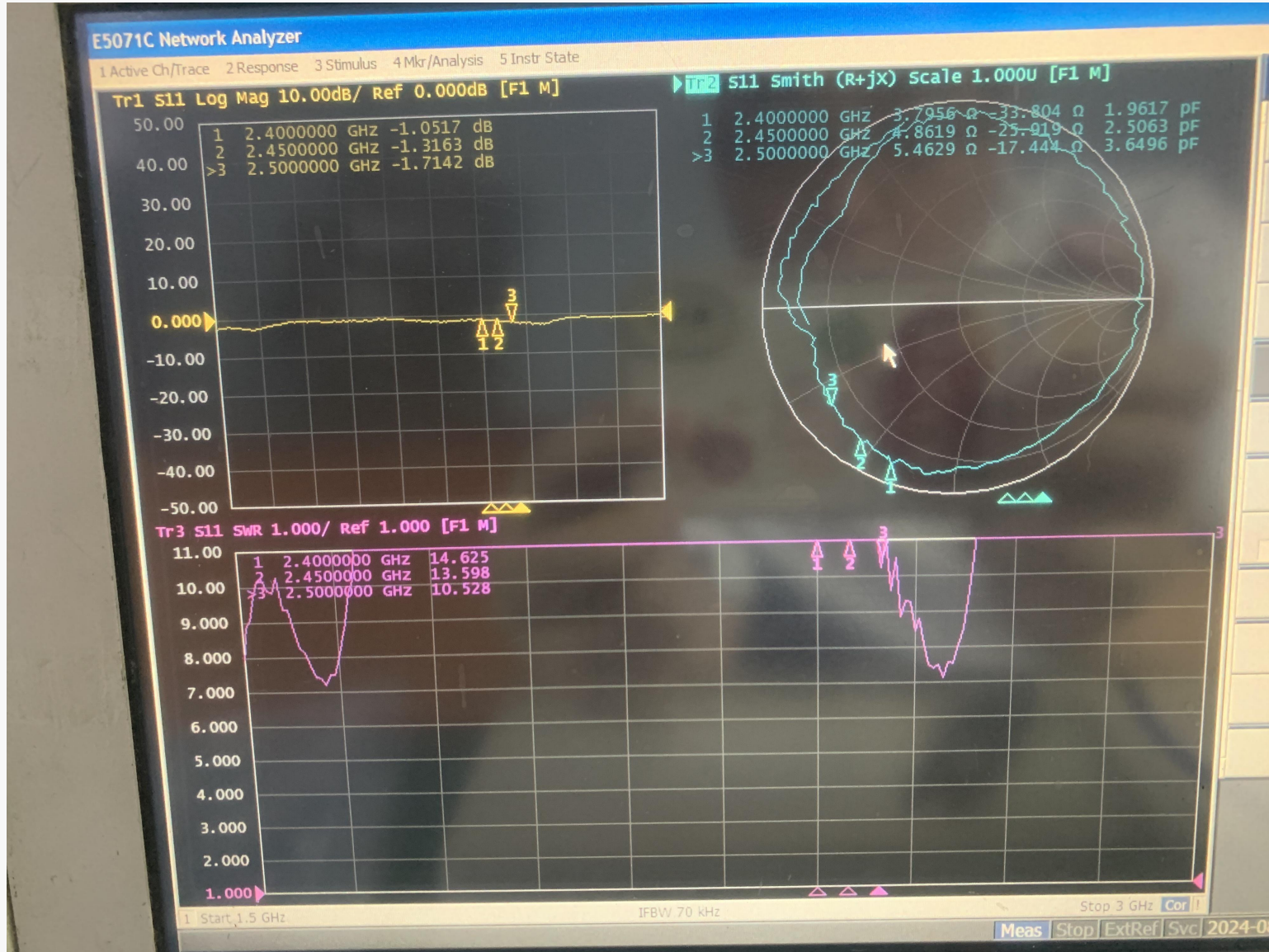
**No change**



test  
data:testdata

# BT antenna passive map- (SWR / Log Mag / Smith)

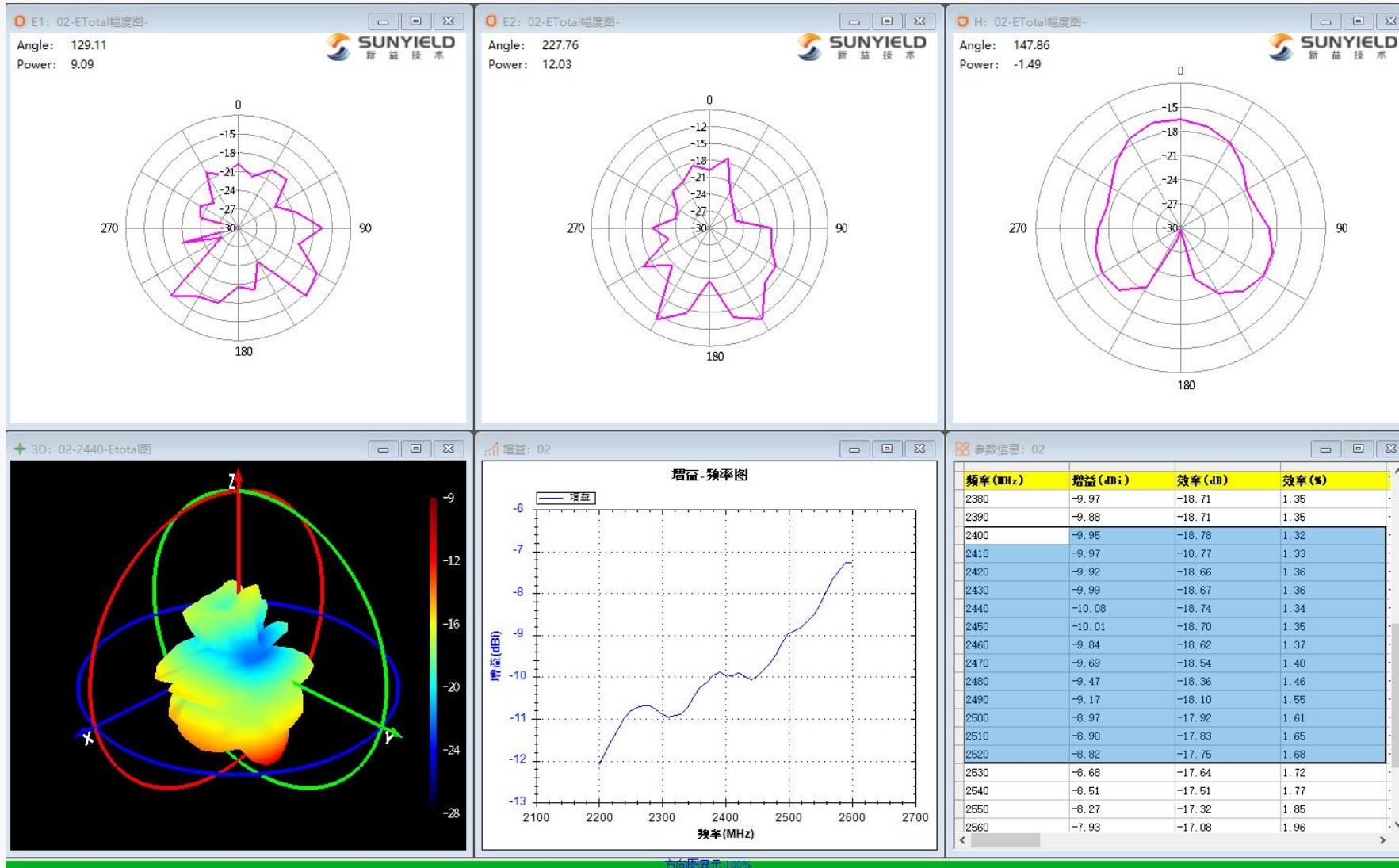
FPC antenna





test  
data:testdata

BT antenna passive data- (efficiency / gain /  
orientation diagram)



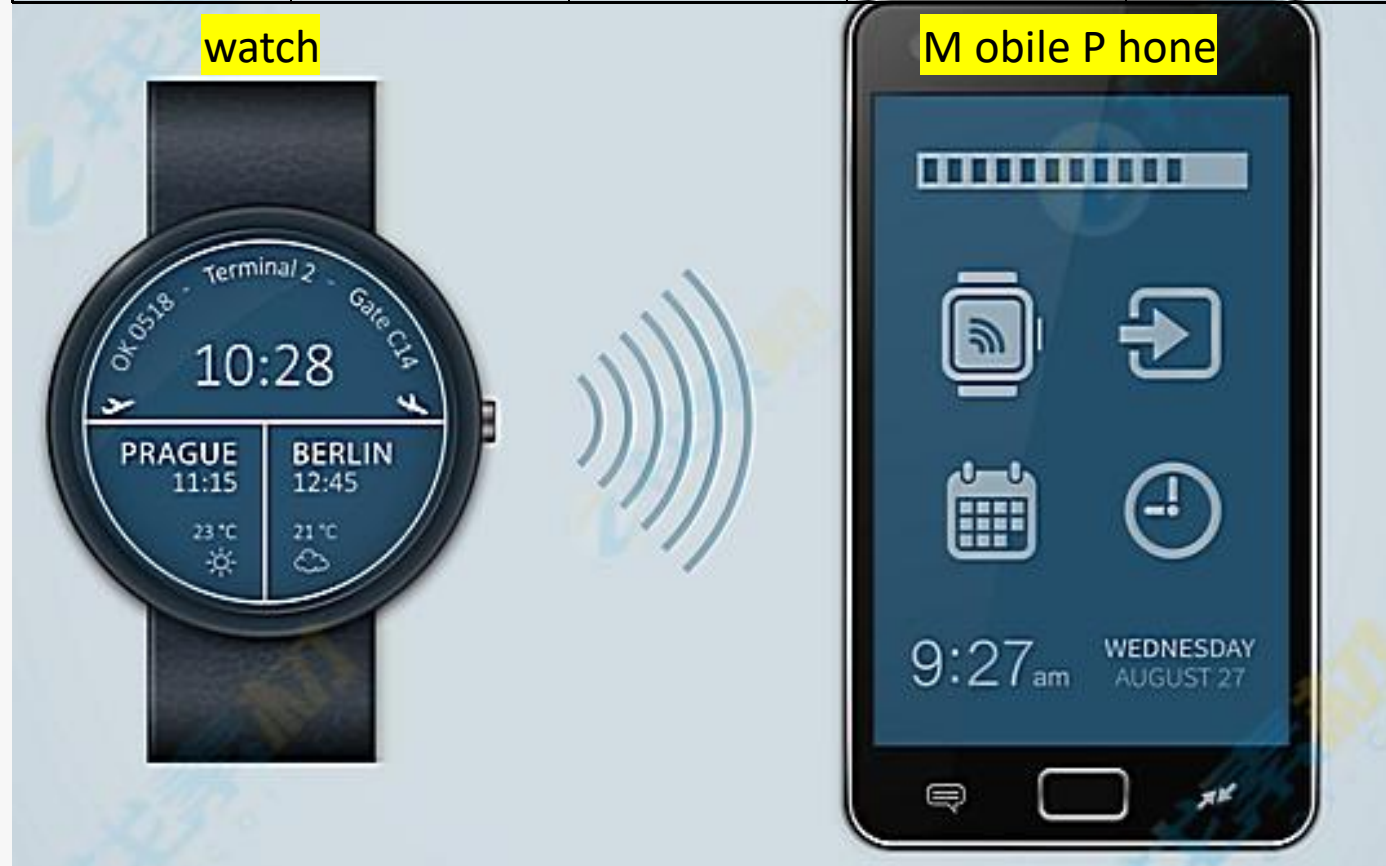
方向图显示: 100%



Play the call measured data:

FPC antenna

test mode	Wear a watch to raise the hand to the chest test, the standard: card distortion		
System model	Android (HUAWEI Mate 50 Pro)		
Indoor / outdoor	indoor	outdoor	
Connection distance	15-16 meters	10-11 meters	







# Test data of playing music:

FPC antenna

test mode	Wear a watch, play music, raise your hand to the chest test, lag, and disconnect		
System model	IOS (iPhone XS Max)		
Indoor / outdoor	indoor	outdoor	
Connection distance	15-18 meters	11-12 meters	

watch



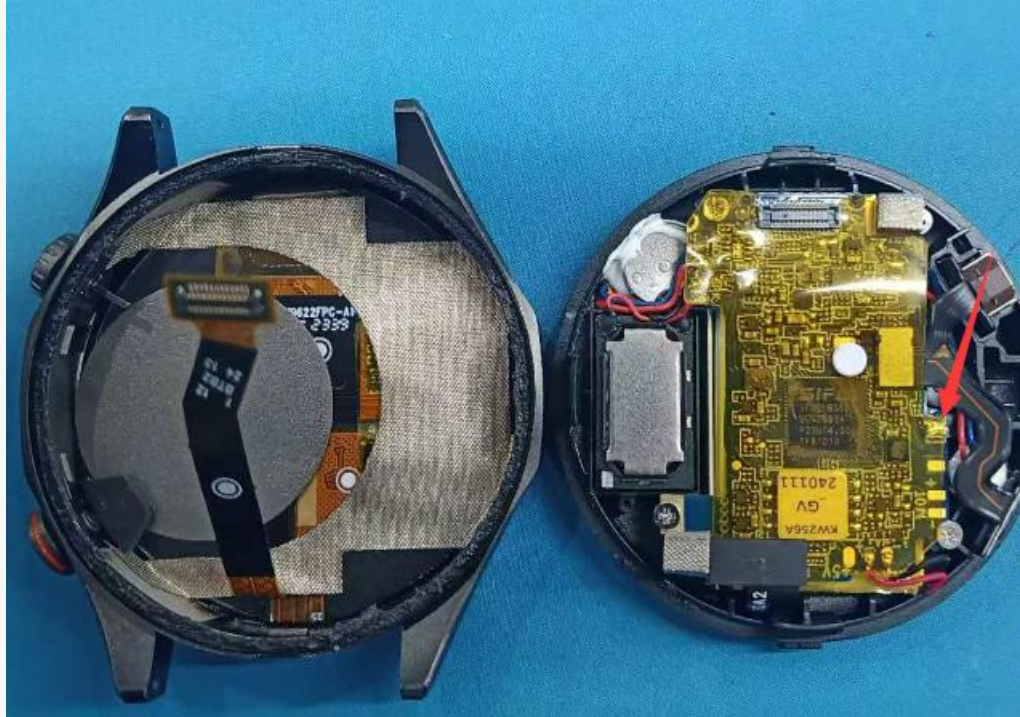
Mobile Phone





antenna  
position:

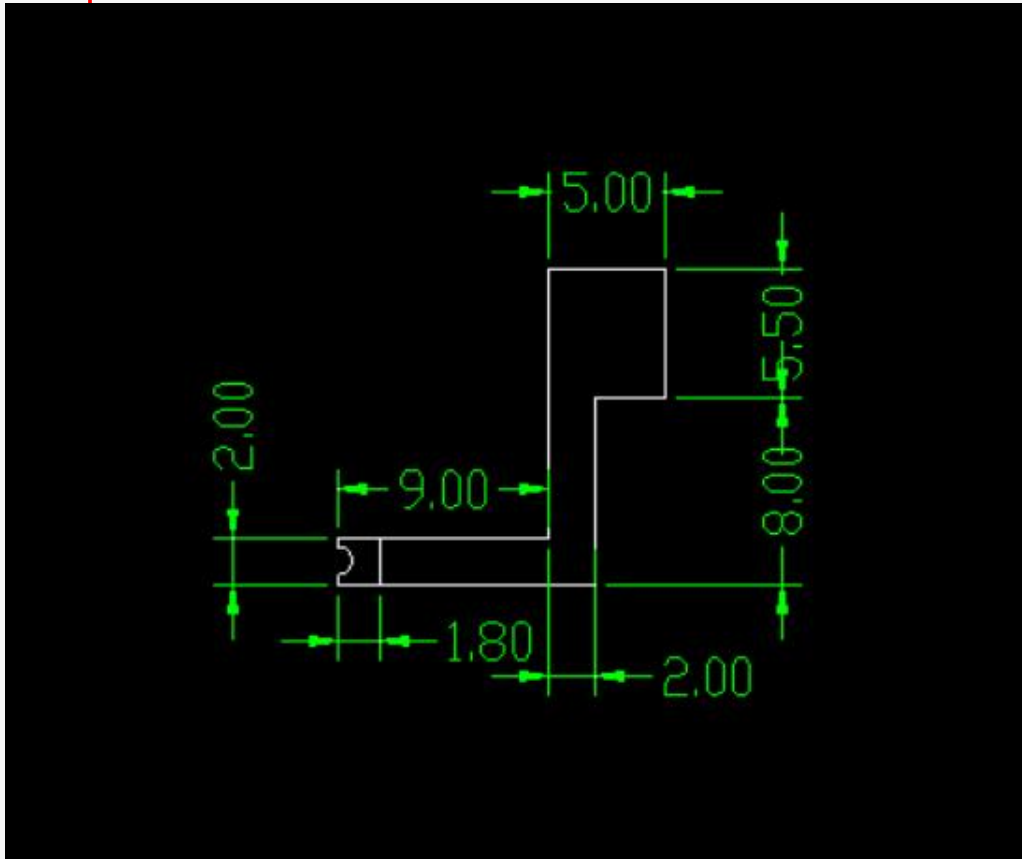
FPC antenna





antenna  
position:

FPC antenna  
specification:





# Planning summary

Planning to summarize

The above report is LS20 customer machine with passive test report using FPC.

1. No changes in the match.



# THANK YOU

May you have a calm heart in the  
complicated and noisy world

- Upholding

