



Shenzhen cape deep communication technology co., LTD

Antenna test report

Model: T2

Date: 2023.05.19

Version: V0.2

Shenzhen cape deep communication technology co., LTD

**2nd Floor, Building 1, Yulong Building, Longcheng Industrial Zone, No.440, Longguan Avenue,
Longhua District, Shenzhen**

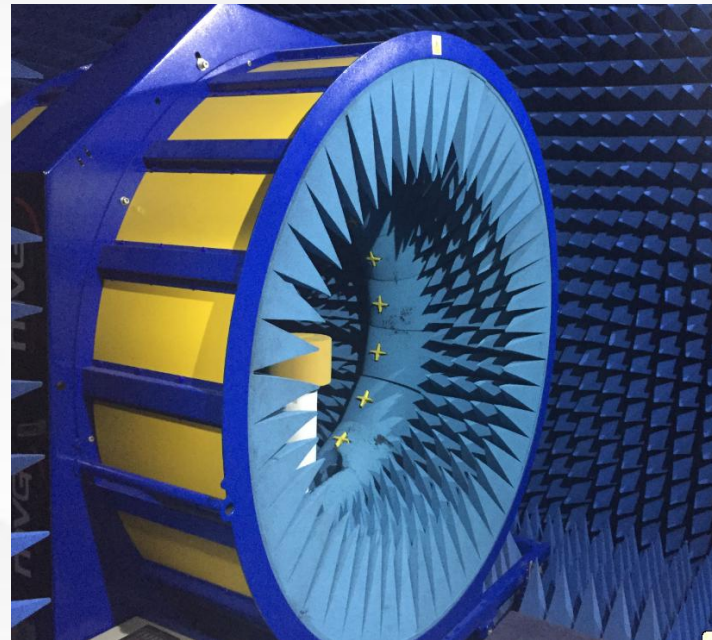
深圳市凯普深通讯科技有限公司

Shenzhen cape deep communication technology co., LTD



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Laboratory testing environment and equipment



Test items	Test equipment
S11、S12、VSWR、LOSS	Network analyzer E5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16 darkroom、 GP7*4*3 darkroom、E5071B
TRP、TIS	Satimo SG16 darkroom、GP7*4*3 darkroom、8960、 CMW500、MT8820C、E4438C、



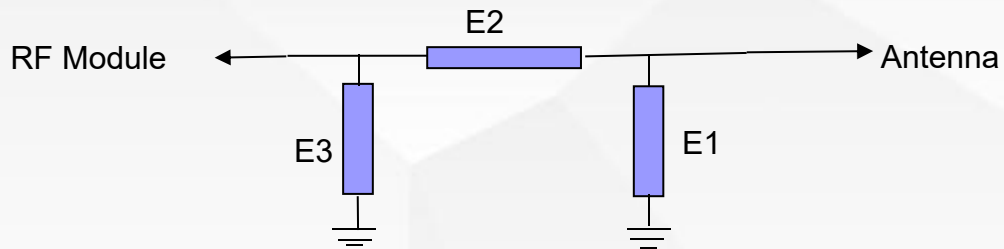
Project Introduction

Antenna material		wireway+FPC
Antenna type and frequency band information	Frequency	2400-2480MHz
	Antenna Type	Monopole
	Gain	-3.35dBi

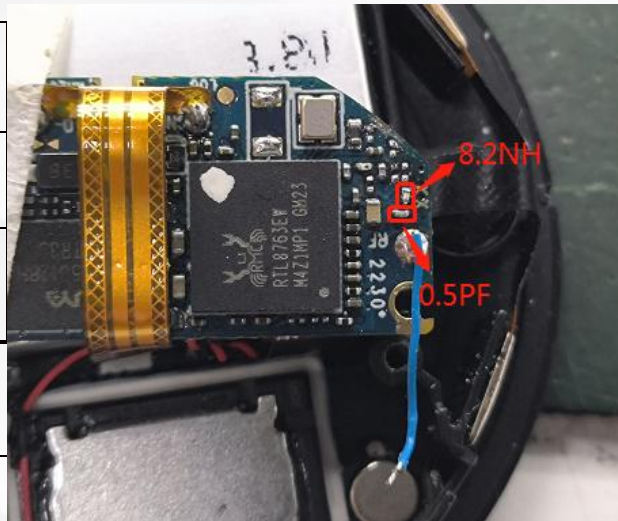


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BT antenna matching circuit



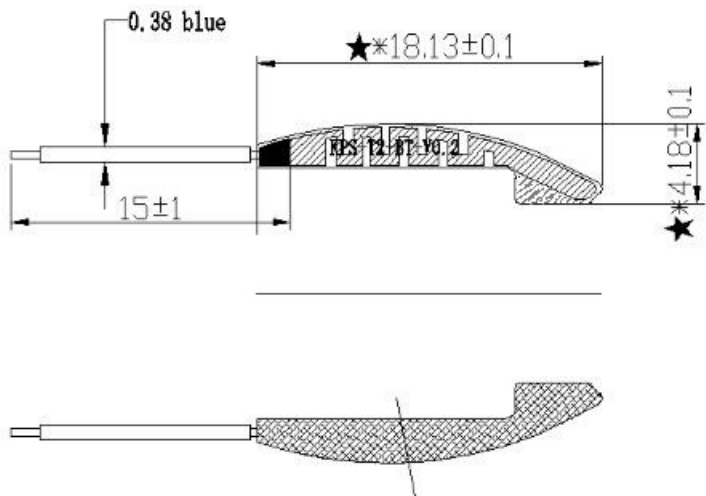
	Element	Value
	E1(0201)	0.5PF
	E2(0201)	8.2NH
	E3(0201)	NC





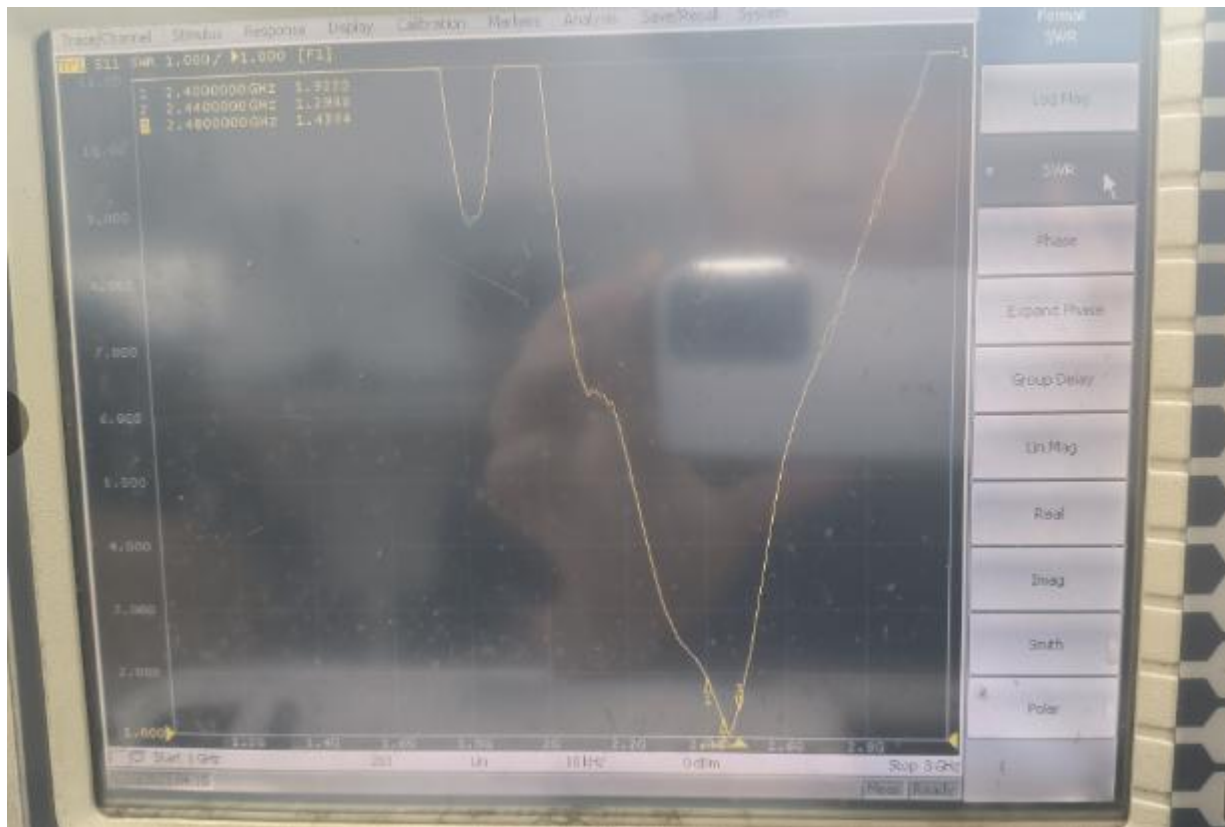
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Antenna physical image





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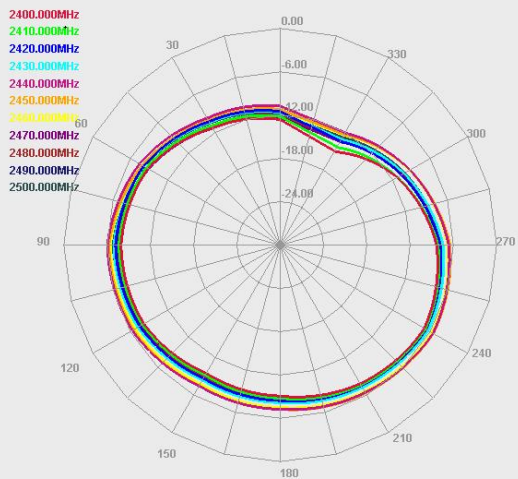




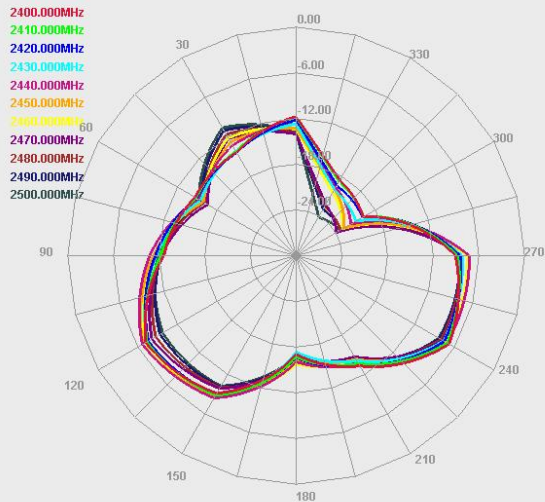
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BT Passive 2D Map (Free)

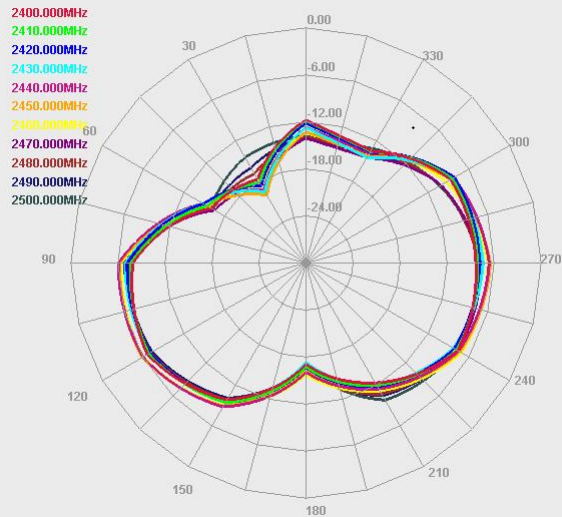
Horizontal



E1 Face



E2 Face

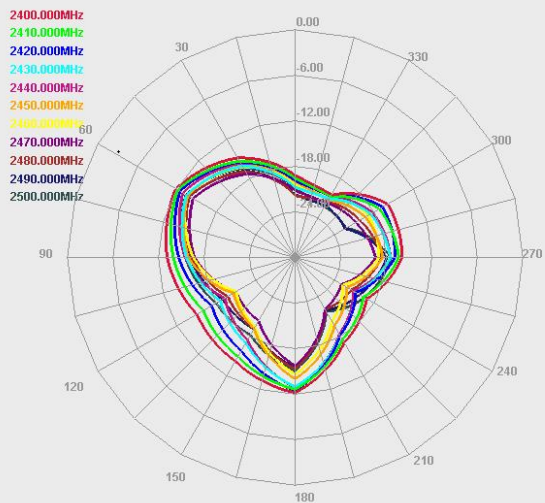




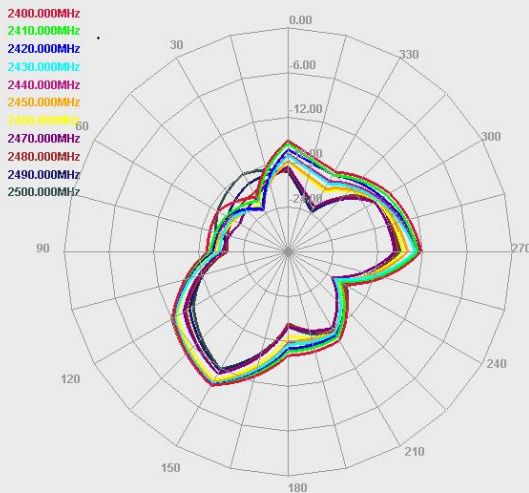
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BT Passive 2D Map (Hand model)

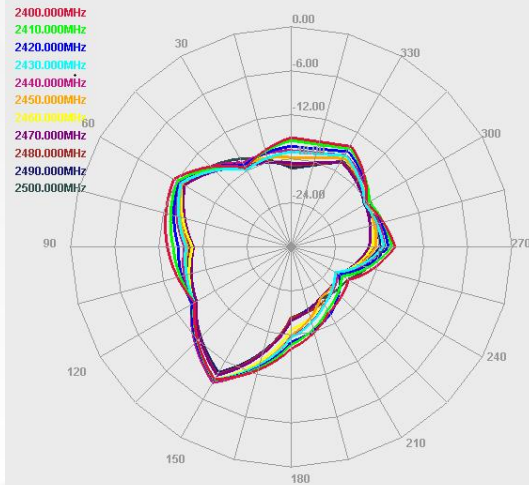
Horizontal



E1 Face



E2 Face





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Measured data

Phone	Xiaomi 8				Xiaomi 8			
Direction	Put the watch on your hand and lift it to your chest, then test it with your back to your phone				Put the watch on your hand and lift it to your chest, facing your phone for testing			
	Front	Left	Right		Front	Left	Right	
#1 Group	7M	7M	7M		18M	18M	18M	
During the test, rotate 30 degrees left and right in each direction, taking the minimum value.								