

Antenna Test Report

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Project Name: UTx318MR

Author: 王赞桦

Update: 2024-12-26

项目概况

OverView

CUSTOMER NAME	优利德	PROJECT NAME	UTx318MR
Items		Details	
• FREQUENCY		2400MHz2500MHz	
• PROJECT TYPE			
• ANTENNA SPACE			
• FEED & GROUND PAD			
• SENSITIVE ELEMENTS			
• ANTENNA TYPE			
• PCB			
• OTHERS			

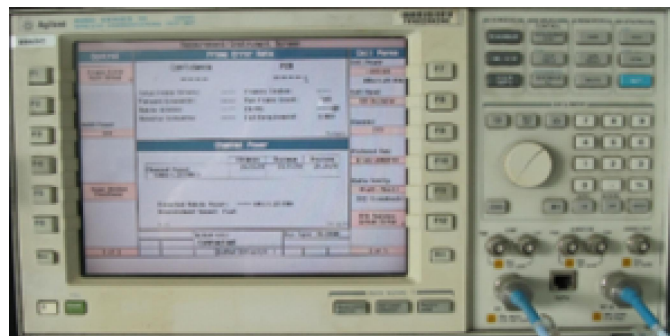
历史报告记录

Revision History

日期 (Date)	版本 (Revision)	负责人 (Author)	更改原因 (Description of changes)
2024-12-26	A	王赞桦	天线初版报告

Test Item & Equipment

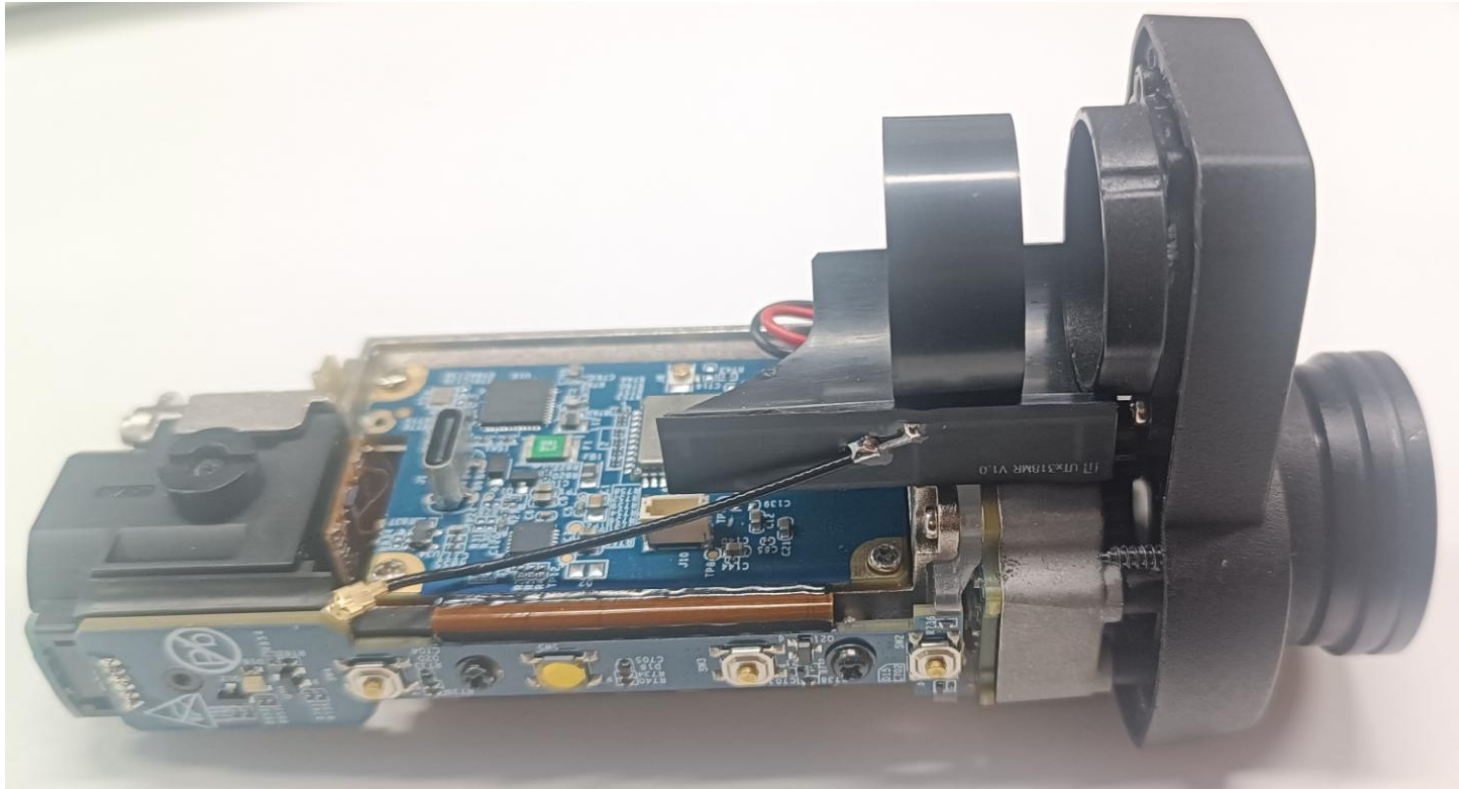
List	Test Item	Equipment	
1.S Parameter	VSWR, Return Loss	Agilent VNA	
2.Active Test	TRP, TIS	Agilent 8960	RayZone1800
3.Passive Test	Gain, Efficiency, Pattern	Agilent E5071C	



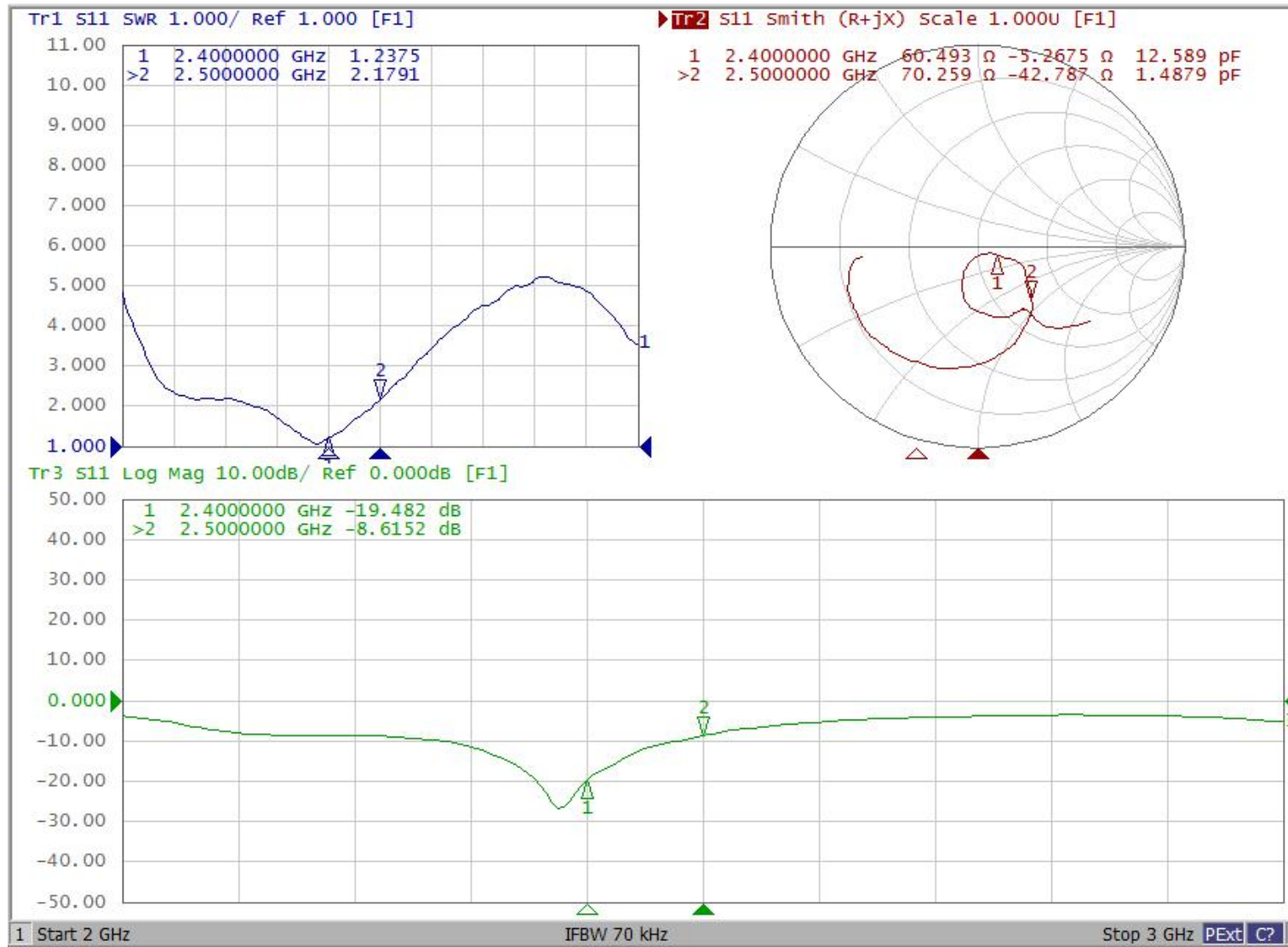
整机示意图



天线贴装示意图



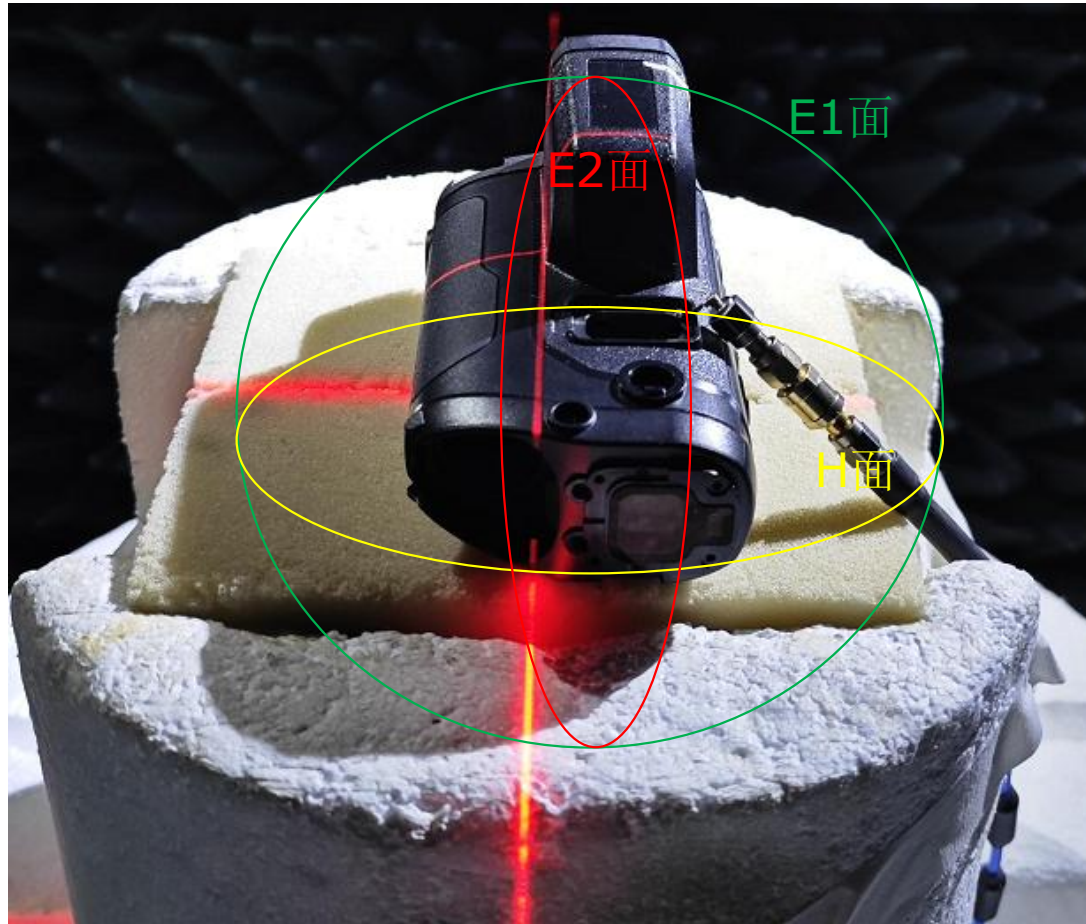
天线回波损耗



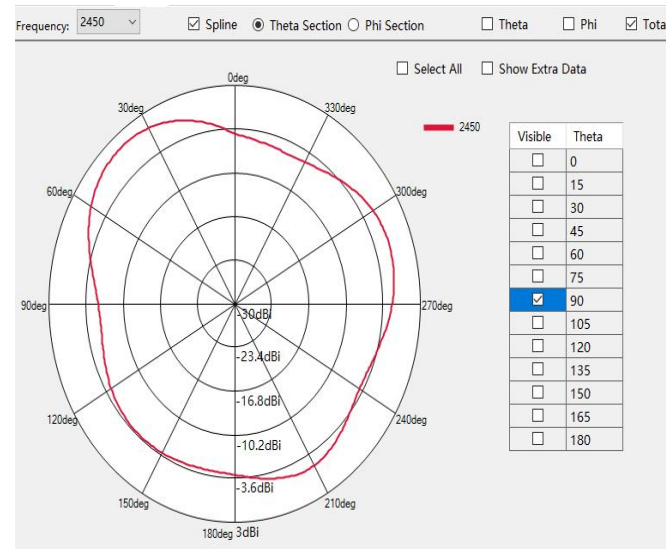
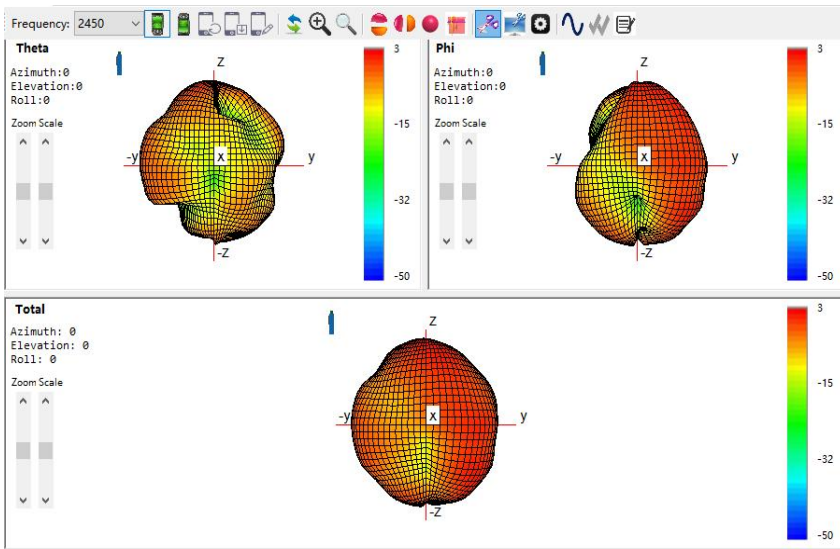
天线无源数据:

Freq (MHz)	Gain (dBi)	Efficiency (%)
2400	2.18	65.02
2410	2.09	62.85
2420	2.05	61.37
2430	2.25	62.17
2440	2.25	62.86
2450	2.48	64.12
2460	2.50	63.49
2470	2.50	61.85
2480	2.68	61.06
2490	2.77	60.26
2500	2.92	59.60

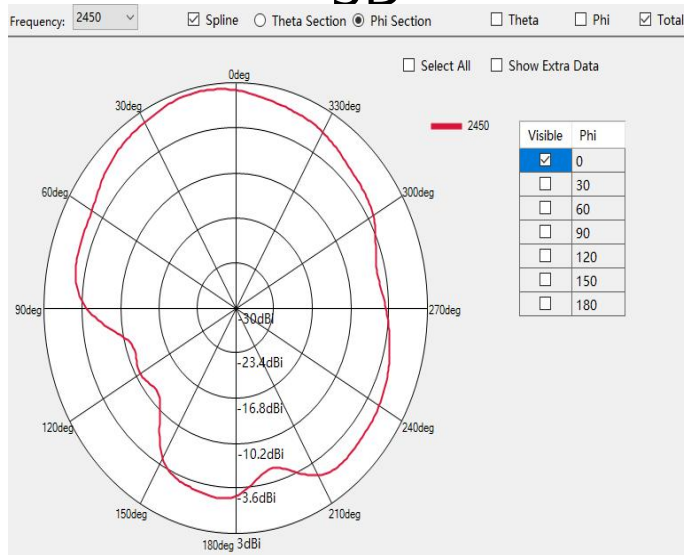
天线暗室测试坐标示意图



天线2D/3D方向图 (2450MHz)

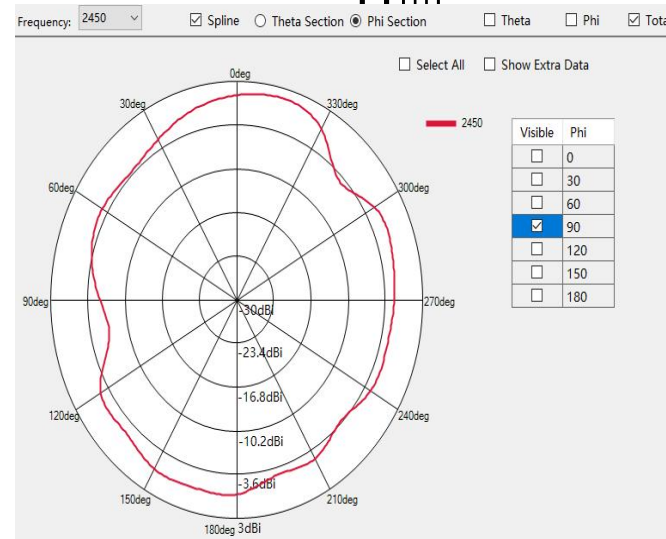


3D

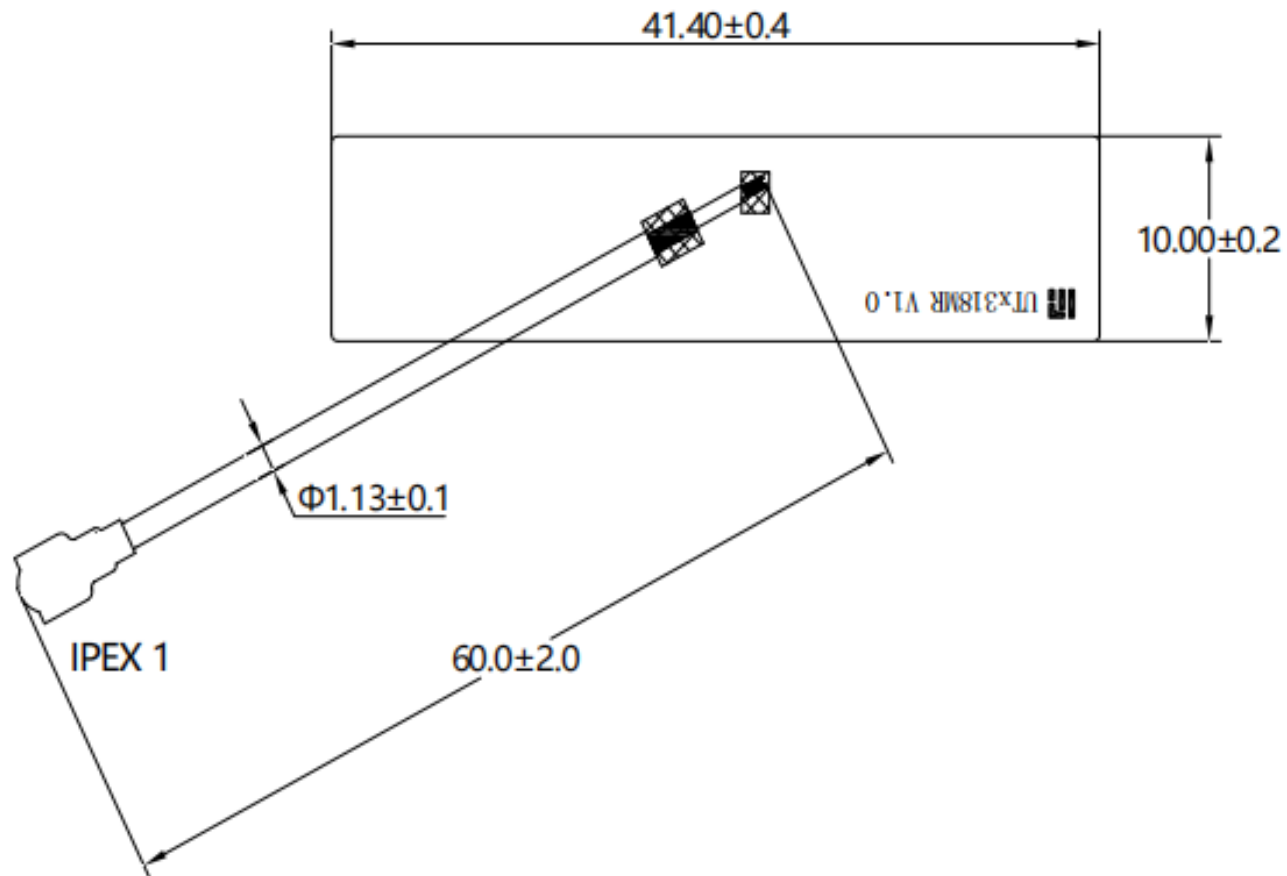


E1面

H面



E2面



2024-12-26