

Antenna Test Report

Client Name: jimiiot

Project Name: KD032

Report Version: 2024.12.19 A0

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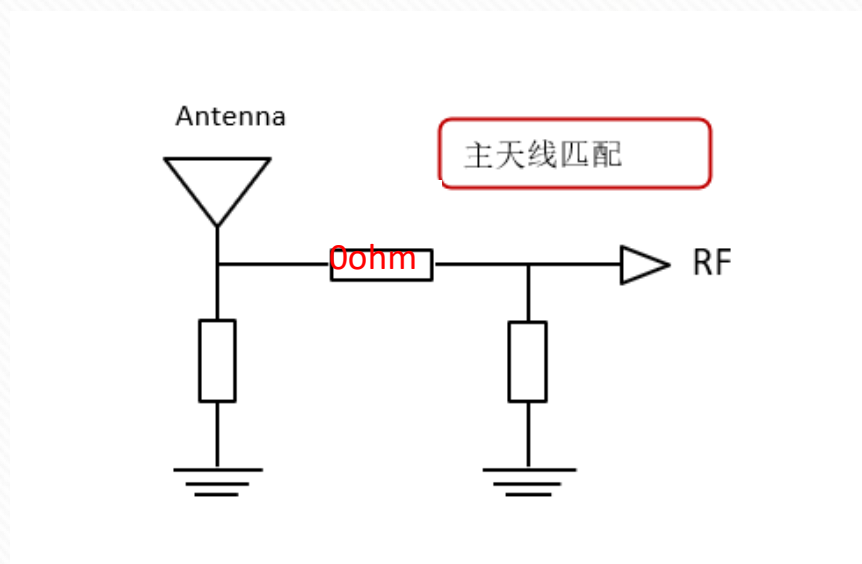
version (of a document)	Time	Description of the update
A0	2024.12.19	Antenna Debugging Data
A1		
A2		
A3		
A4		
A5		
A6		
A7		
A8		
A9		

Project Overview

W

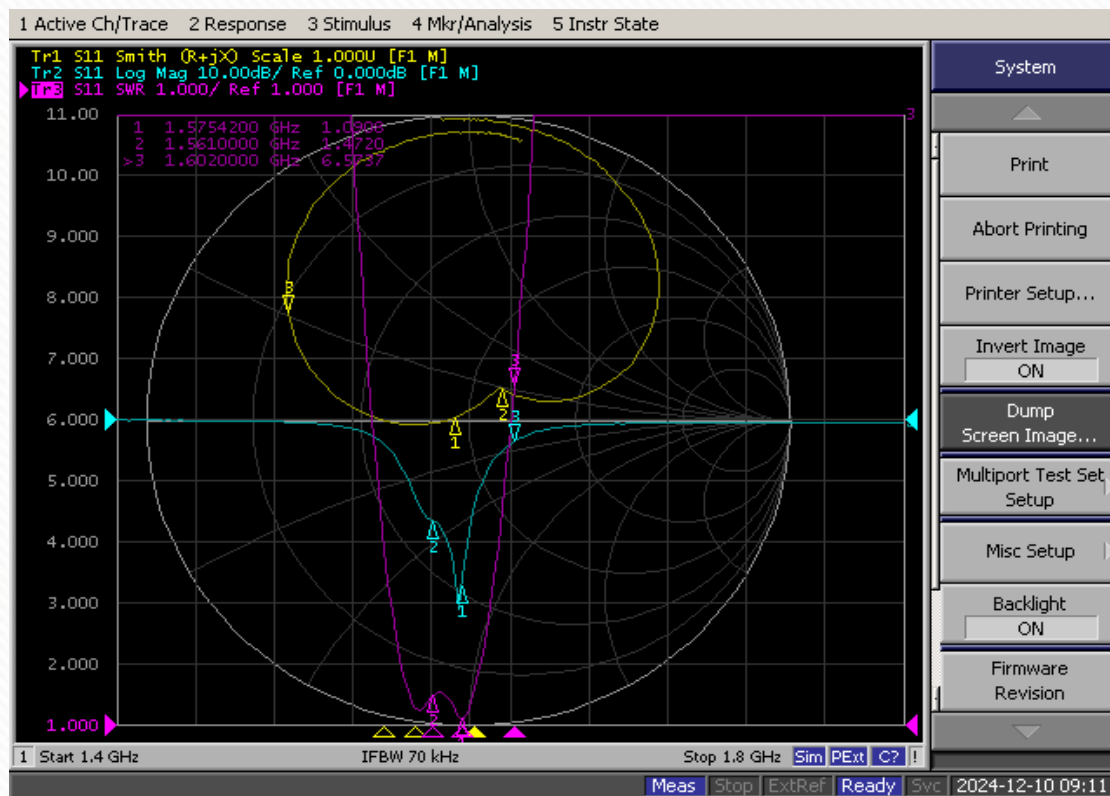
Prototype Status	Passive and passive debugger	Project prototype diagram:
Product Type		
Number of Antennas	2	
Antenna Frequency Band	1561Mhz, 1575Mhz, BT	
	2.4G	
Structure	Ceramic	
Environmental treatment	Unmodified	
Matching Circuit	Unchanged	

Matching without modification



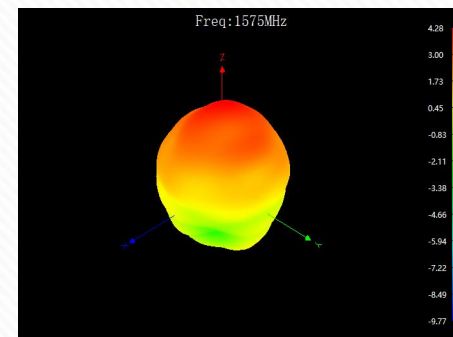
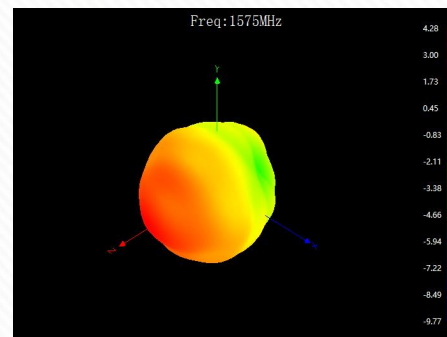
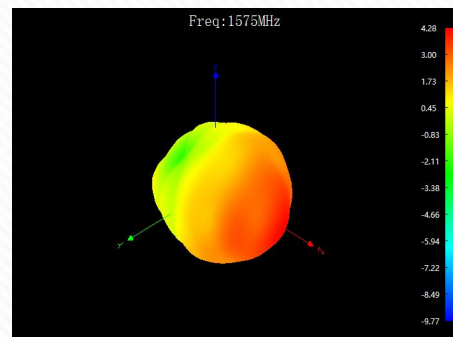
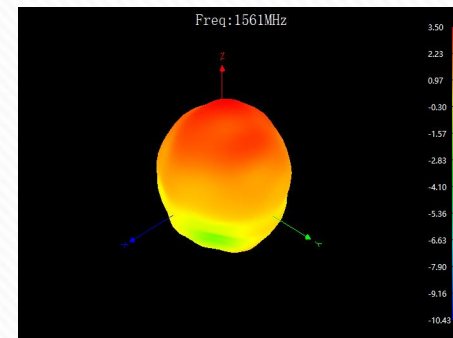
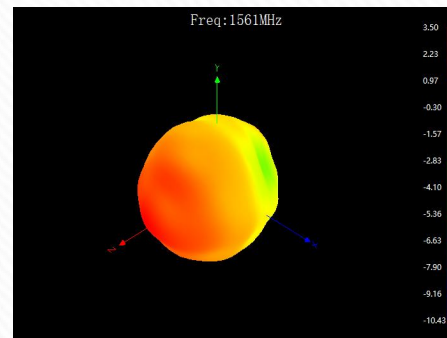
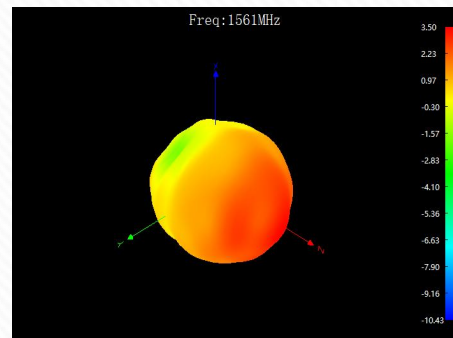
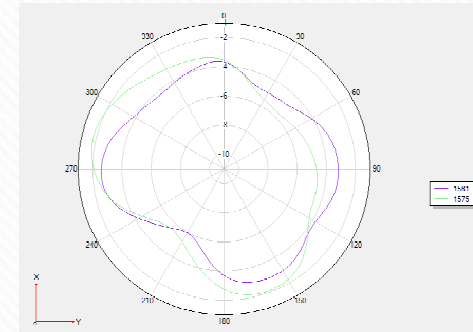
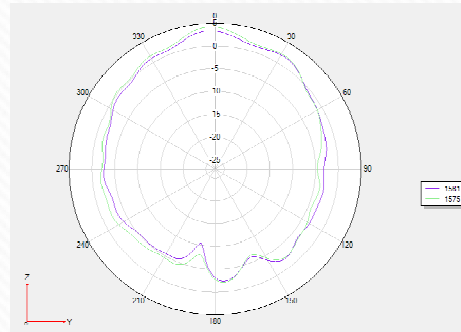
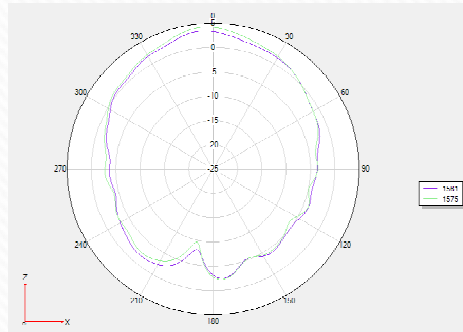
S11 Antenna VSWR/Efficiency

GPS



Frequency/Mhz	MaxGain/dBi	Efficiency / %
1550	2.78	59.18
59.18 1551	2.86	59.02
1552	2.92	58.71
1553	2.96	58.71
1554	3.03	59.02
1555	3.14	58.98
1556	3.17	58.5
1557	3.23	58.18
1558	3.3	58.02
1559	3.37	57.87
1560	3.41	57.87
1561	3.5	58.02
1562	3.59	59.66
1563	3.67	59.23
1564	3.78	59.61
1565	3.9	59.78
1566	4.03	59.3
1567	4.16	58.34
1568	4.26	58.51
1569	4.31	58.82
1570	4.33	58.79
1571	4.32	58.28
1572	4.3	58.95
1573	4.27	58.95
1574	4.26	59.28
1575	4.28	59.13
1576	4.25	59.62
1577	4.23	59.28
1578	4.21	58.61
1579	4.17	57.78
1580	4.1	57.63

Orientation Chart



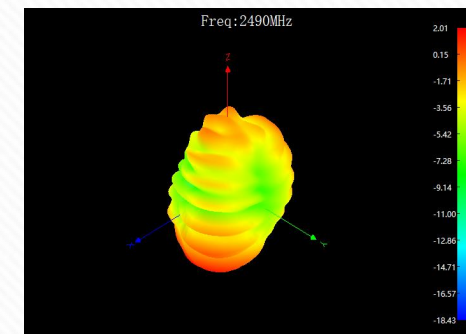
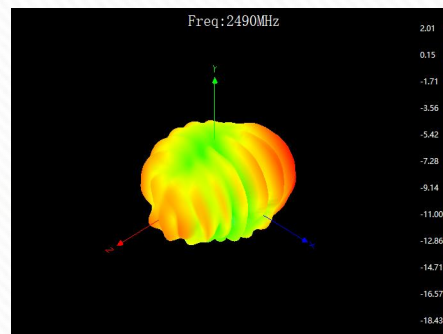
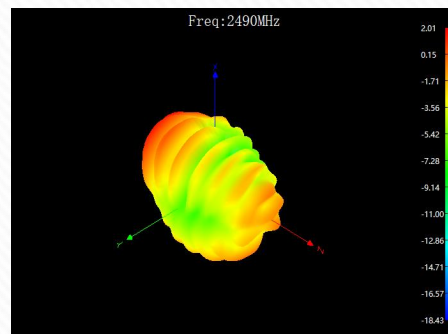
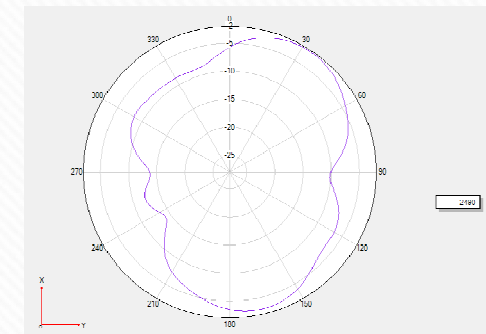
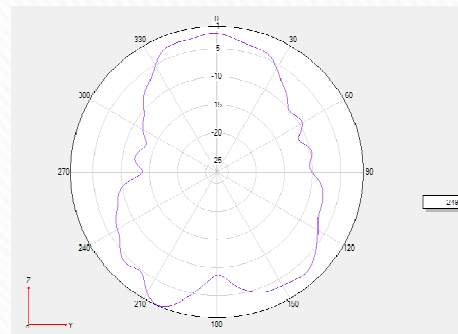
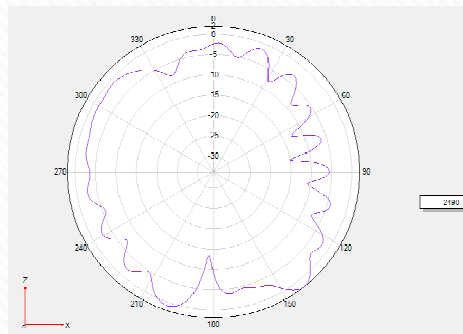
S11 Antenna VSWR/Efficiency

BT



Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	1.15	41.85
41.85	1.58	40.09
2420	0.69	40.37
2430	1.26	40.58
2440	1.07	40.55
2450	1.97	41.21
2460	1.34	40.17
2470	1.96	40.93
2480	1.85	41.4
2490	2.01	40.81
2500	1.85	39.55

Orientation chart



Free space test

