



Antenna Specification

Zhejiang Hengke Industrial Co., Ltd.

No. 1555 Jiashan Avenue, Dayun Town, Jiashan County, Jiaxing City, Zhejiang Province

Project Information

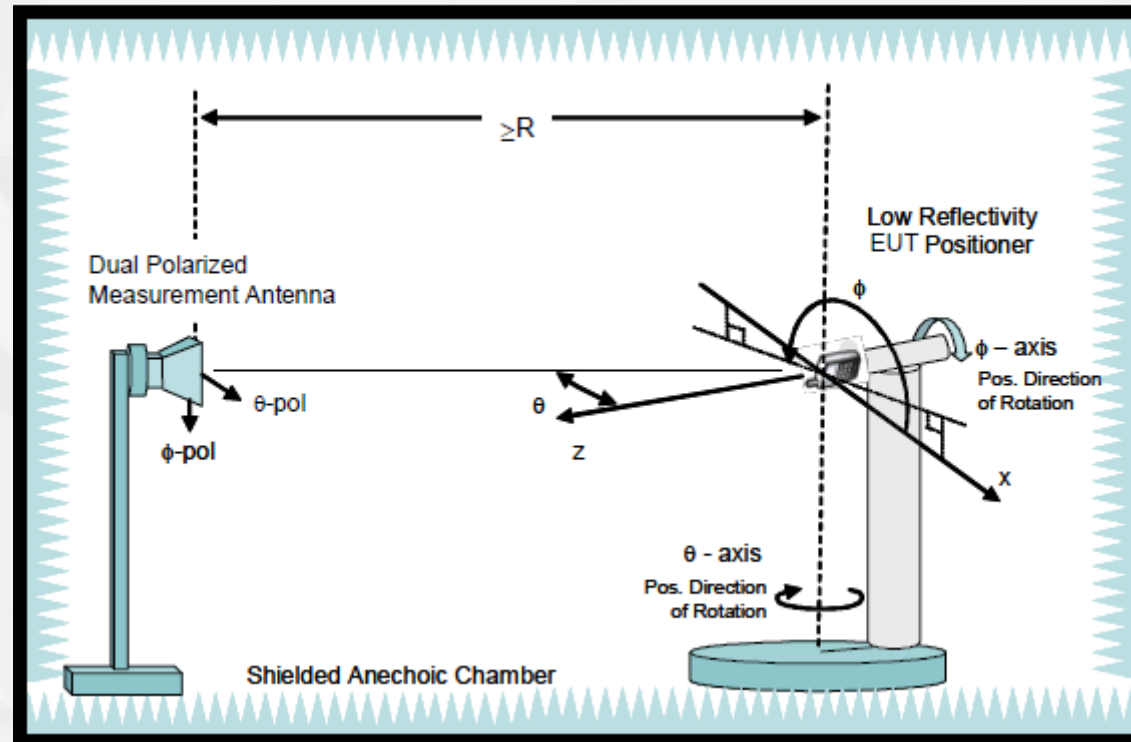
Customer Name	
Project Name	IPET
Working Band	2. 4G
Description	FPC
Version	V1.0
Date	2025.11.03

Tuning Instrument

Network Analyzer	Agilent E5071C
Frequency Range	100KHz ~ 8.5GHz
Test Item	Return Loss/VSWR/Smith Chart /Isolation

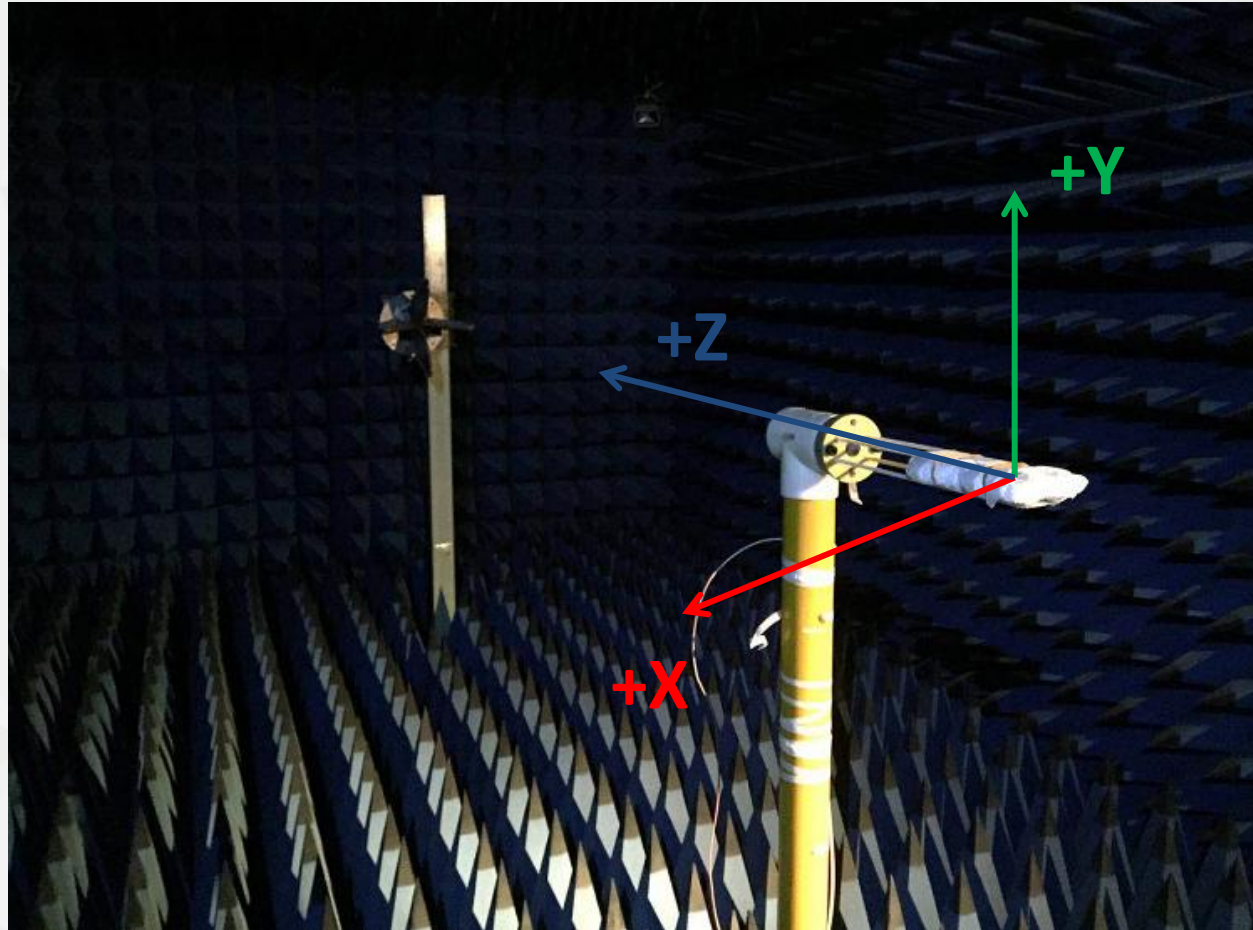


Typical Setup for Test System



Combined-Axes System

Anechoic Chamber

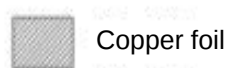
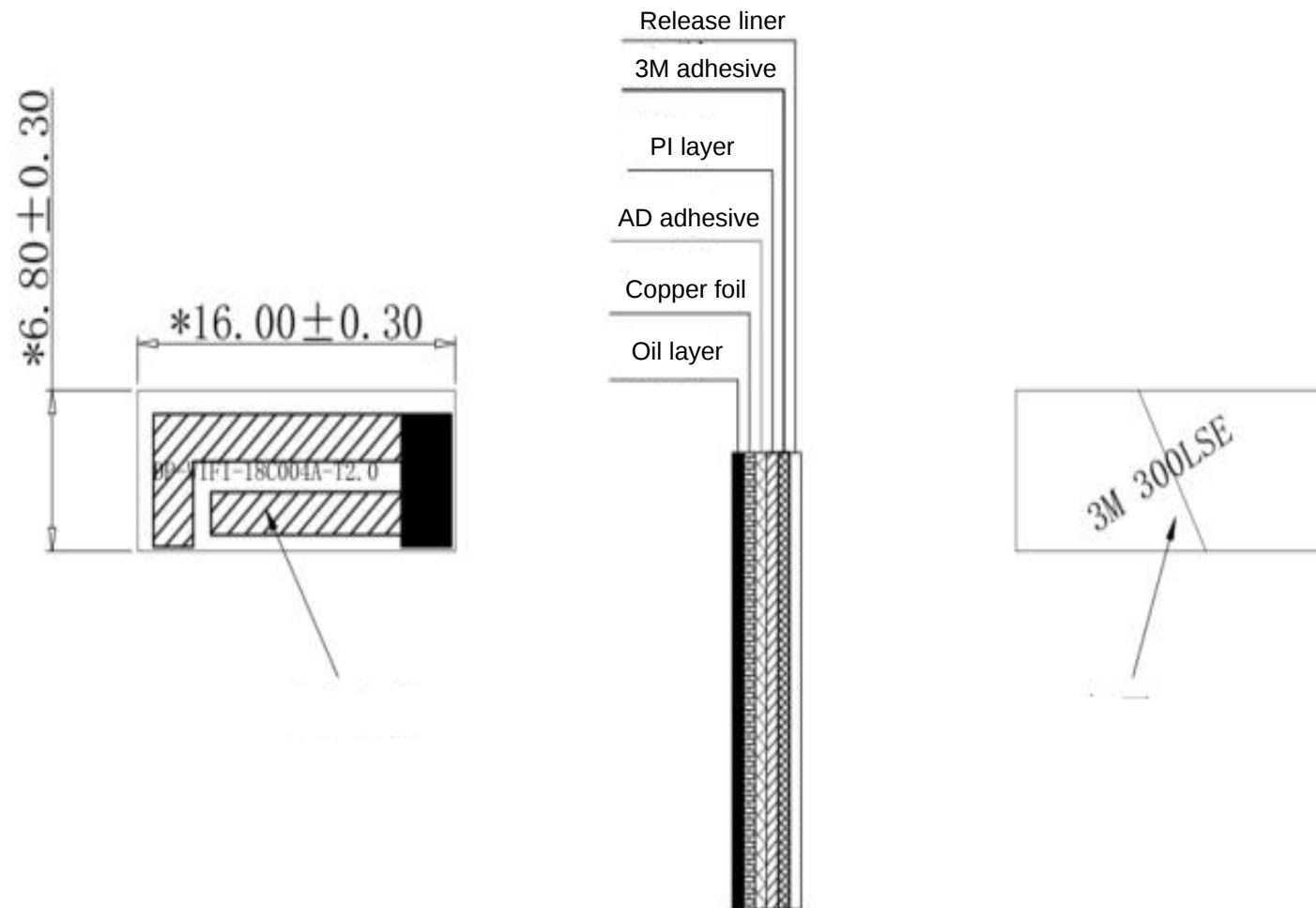


Combined-Axes System

Comment: E1 plane means XZ section, E2 plane means YZ section, H plane means XY section.

Test Result - Passive

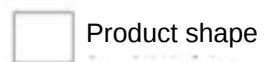
Frequency	Efficiency	Gain . dB
2400000000	43%	1.32
2410000000	43%	1.40
2420000000	43%	1.38
2430000000	43%	1.24
2440000000	42%	1.27
2450000000	42%	1.22
2460000000	42%	0.94
2470000000	42%	0.95
2480000000	41%	0.88
2490000000	40%	0.87
2500000000	40%	0.85



Copper foil



Gold plating



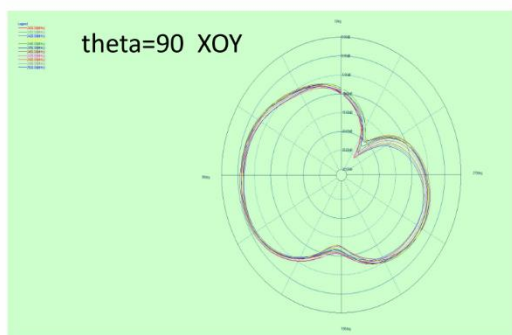
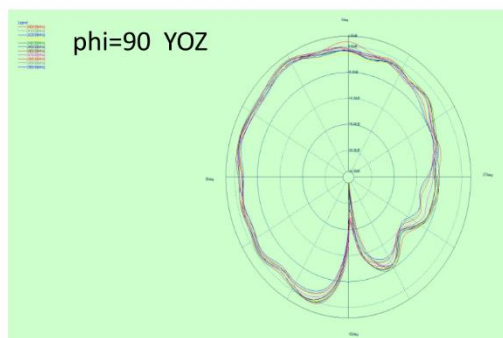
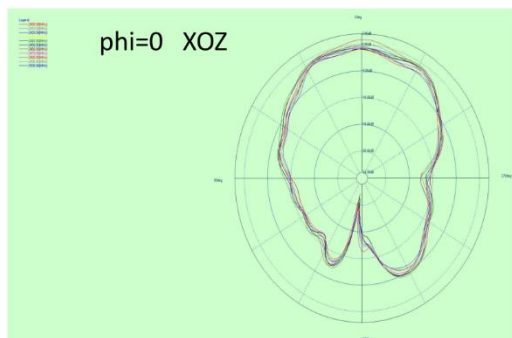
Product shape



Release liner slot

Total product thickness (excluding release liner) = $0.11\text{mm} \pm 0.03$

assive data - directional pattern



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