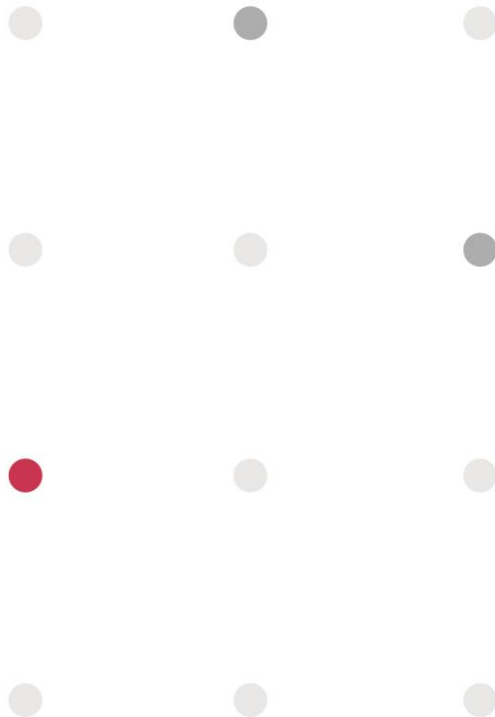


PSA

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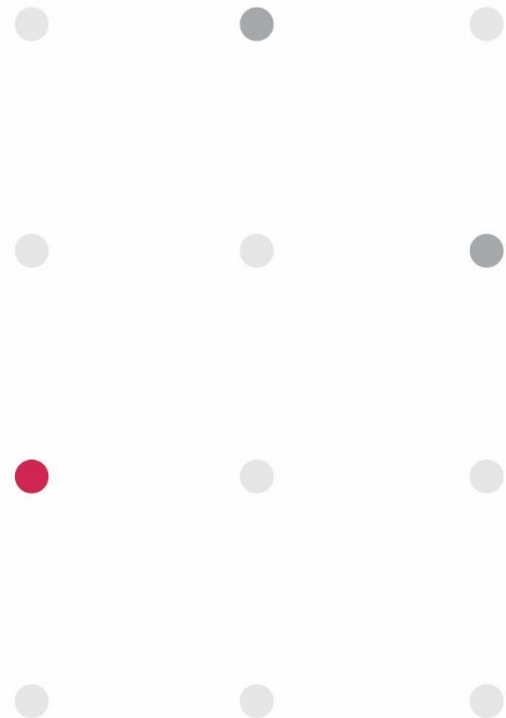
WE CONNECT & WE PROTECT WE ARE ONE



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PTZ-01

Presented by
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Requirements Antenna Design Measurement

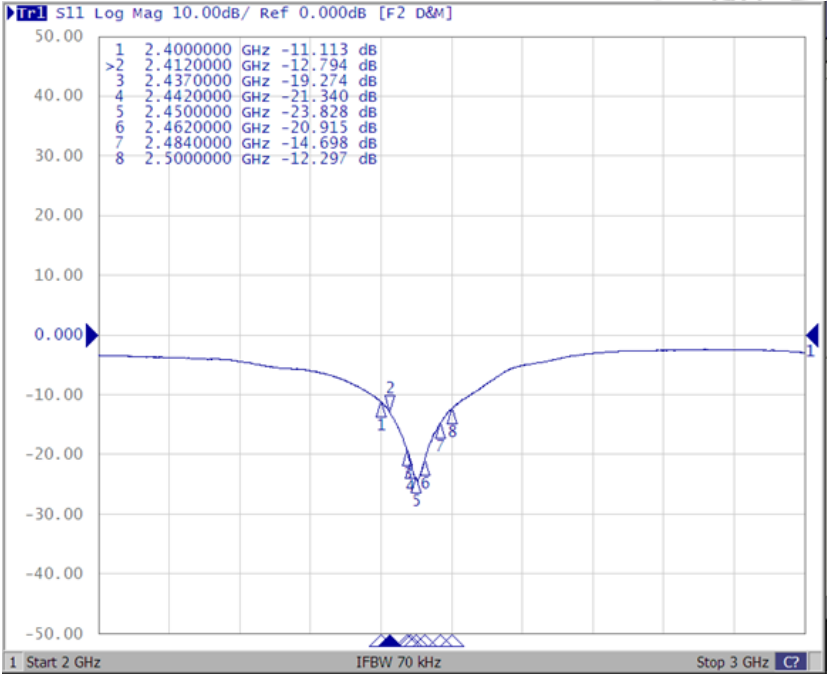
Requirements of Antenna Design

RF Function	Number of ANT	Frequency Band	Remark
WiFi 2G	1	2400 ~ 2500 MHz	

Requirements of Measurement

Test Item	Specification	Remark
Return Loss	N/A	
Efficiency	N/A	
Peak Gain	N/A	

Return Loss



2D Radiation Pattern

Machine 1

WiFi 2G

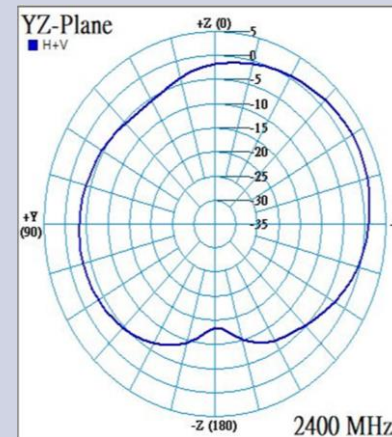
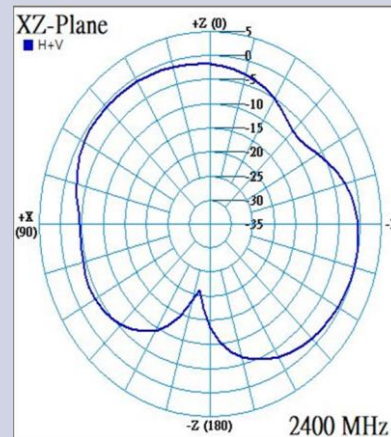
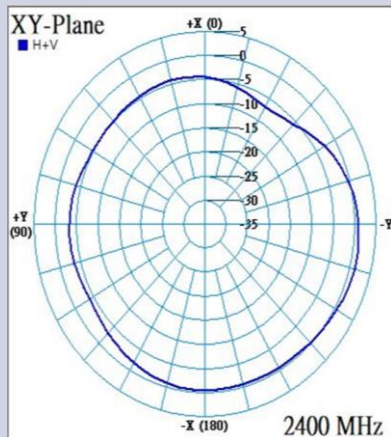
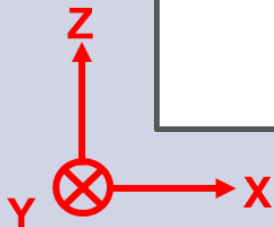
2450MHz

X-Y plane

X-Z plane

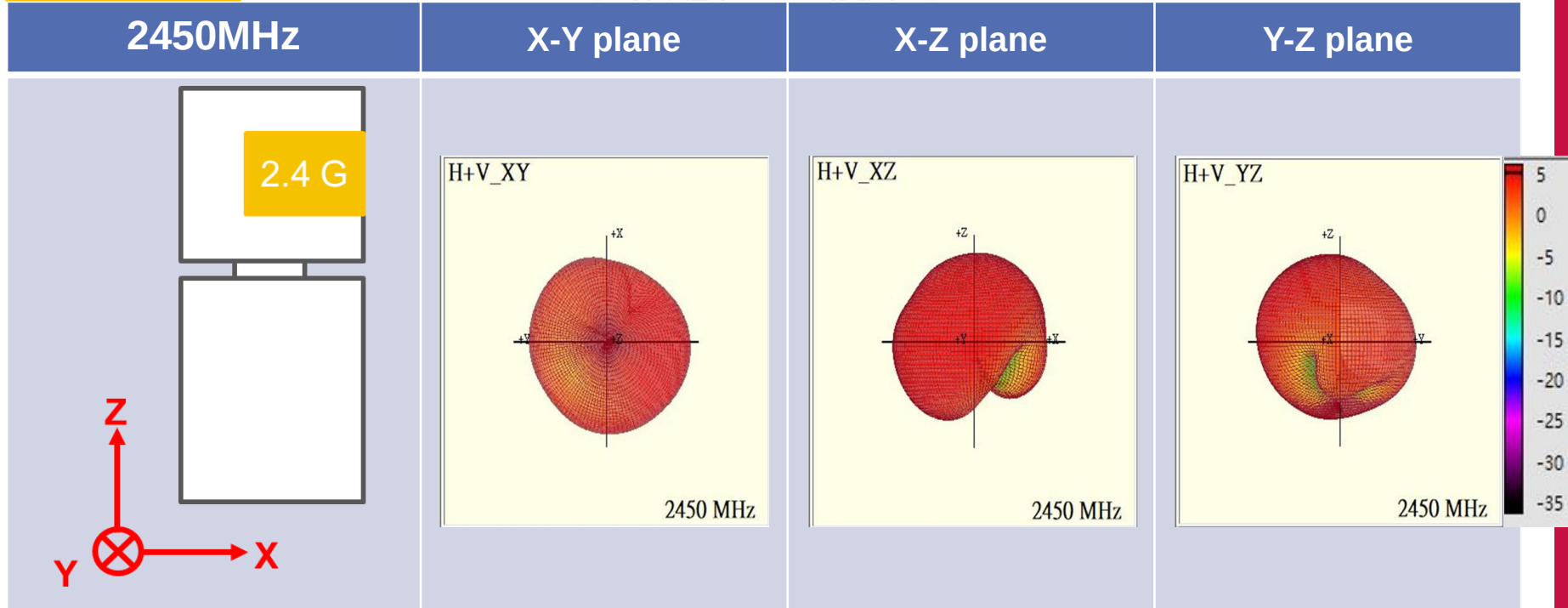
Y-Z plane

2.4 G



3D Radiation Pattern

Machine 1

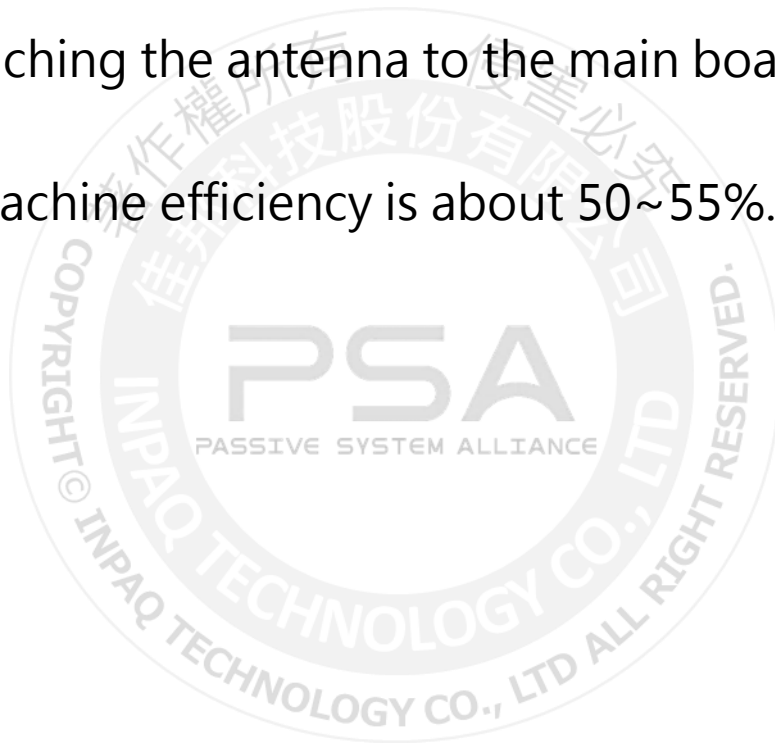


Efficiency & Peak Gain

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)	AVG Gain (dBi)
2400	51.65	2.32	-2.87
2420	53.14	2.35	-2.75
2450	54.53	2.36	-2.63
2480	51.98	1.82	-2.84
2500	50.49	1.70	-2.97

Conclusions

1. Measure after attaching the antenna to the main board and routing the cable out.
2. The antenna of Machine efficiency is about 50~55%.



Thank you

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