



M.gear

WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)

DONGGUAN AEON TECH CO.,LTD.(CHINA)

SPECIFICATION FOR APPROVAL

CUSTOMER: 仁寶

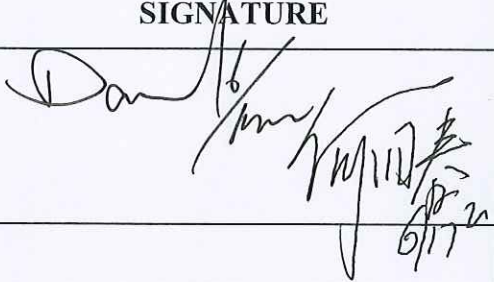
PART NAME: RF Antenna Assembly

PART NO.: 120300080800MAS

REVISION:

W. Y. P/NO.: C660-510490-A(SZ2206-042)

REV.: X2

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :		

WHA YU GROUP

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Specification

Requirements of Antenna Design

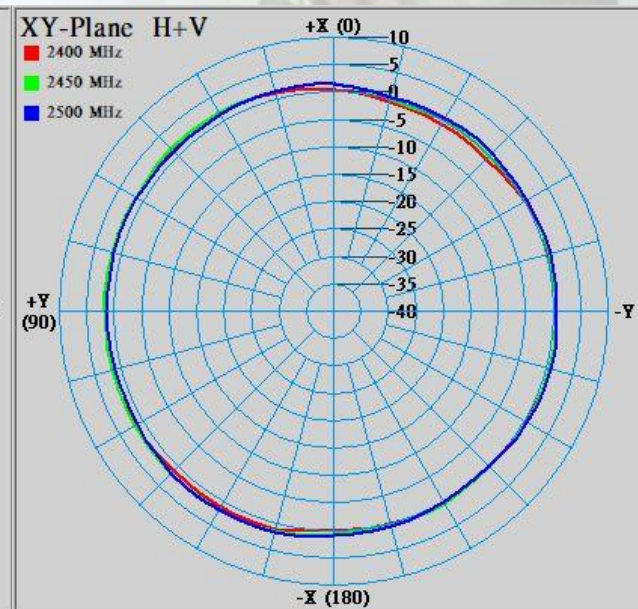
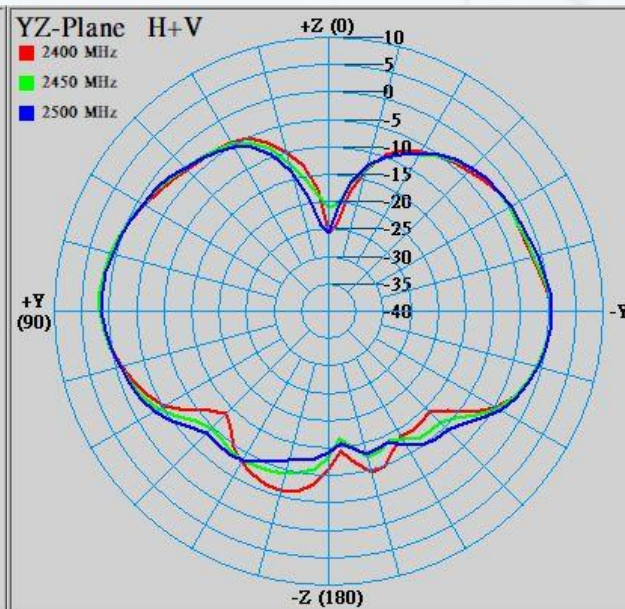
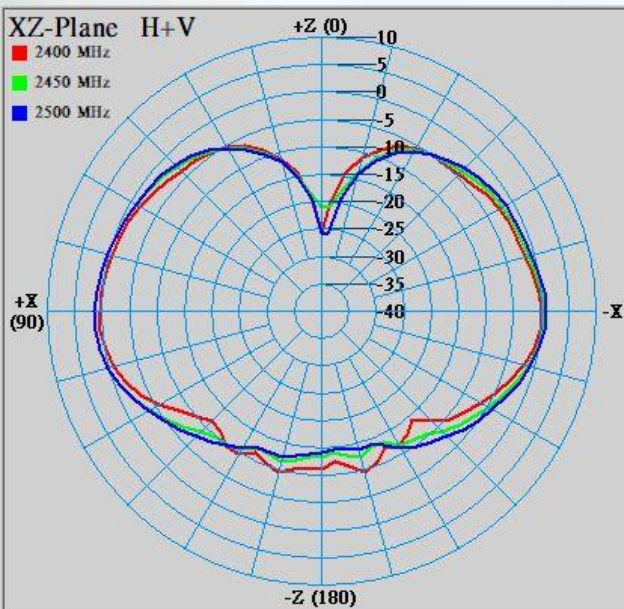
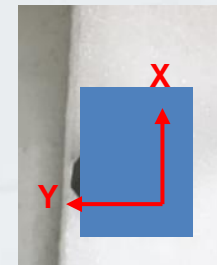
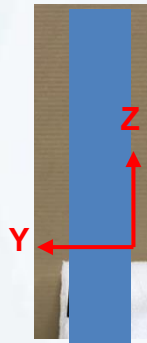
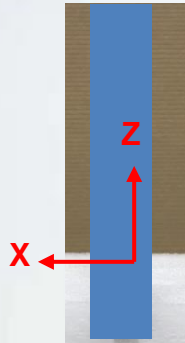
RF Function	Number of ANT	Frequency Band	Remark
WiFi	1	2.4G ~2.5GHz / 5.180~5.825GHz	

Requirements of Measurement

Test Item	Specification	Remark
Return Loss	> 10dB	
Isolation	NA	
Efficiency	2.4G> 80% / 5G>70%	
Radiation pattern	Scale: +10 ~ -40dBi, Angle step size: 5 degree	

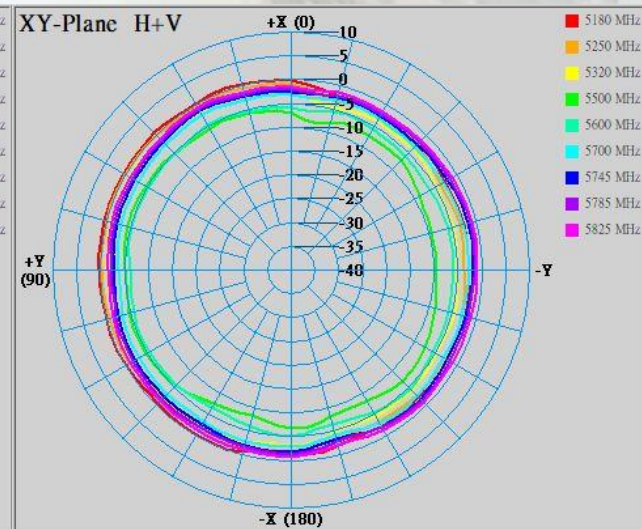
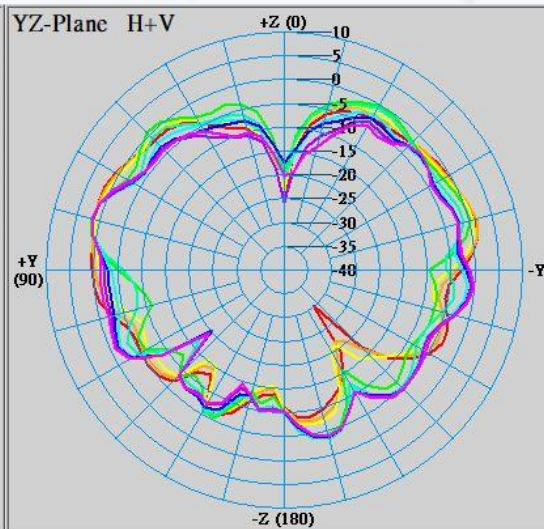
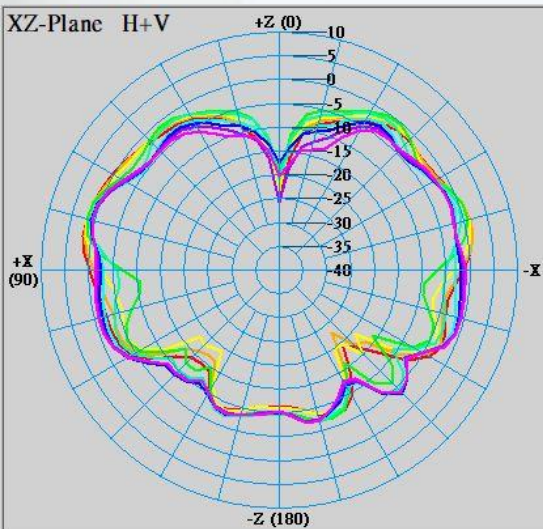
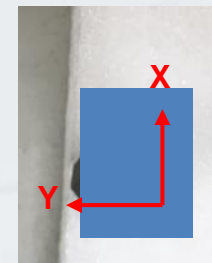
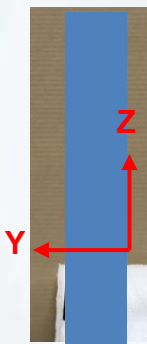
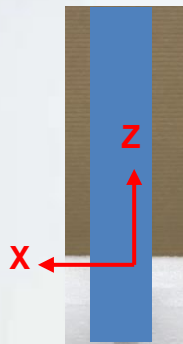
2D Radiation Pattern Results

Dipole(2G)_ANT1



2D Radiation Pattern Results

Dipole(5G)_ANT1



Results Summary

2D gain

Frequency (MHz)	2D Gain Ant1 dB		
	X-Z	Y-Z	X-Y
2400	1.70	0.47	1.79
2450	1.90	1.42	1.78
2500	1.95	1.40	1.42
5180	0.73	1.84	1.61
5250	0.35	1.87	1.69
5320	-0.74	1.70	1.09
5500	-4.34	1.93	1.91
5600	-4.73	1.27	1.79
5700	-2.39	0.87	1.72
5745	-1.45	0.83	1.72
5785	-1.07	0.56	1.61
5825	-0.53	0.57	1.69