

FIT Hon Teng Limited
鴻騰六零八八精密科技股份有限公司

Indoor camera Evaluation

Ian Chen.
FIT Conn. BU
ACE/FAS
2024/09/05



belkin

VOLTAIRA

Antenna Specification

Antenna Electrical Properties		
	Wlan-Main	Wlan-Aux
Part No.	ANTP2M1-CZZ30-EH	ANTP2M1-CZZ31-EH
Antenna Type	PIFA	PIFA
Frequency Range	2.4+5GHz	2.4+5GHz
Efficiency(%)	30%	30%
Peak Gain(dBi)	4	4
Average Gain(dB)	-5	-5
VSWR	3.5	3.5
Polarization	Liner	
Impedance	50Ω	

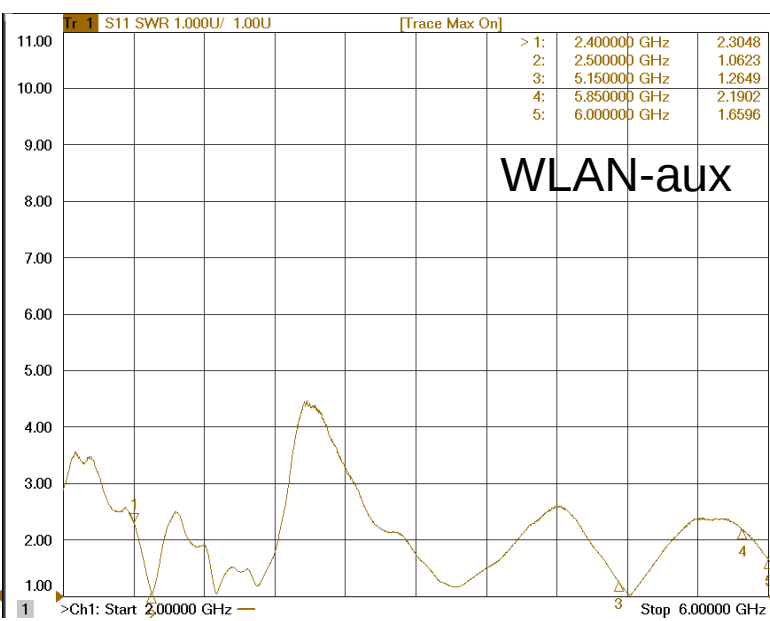
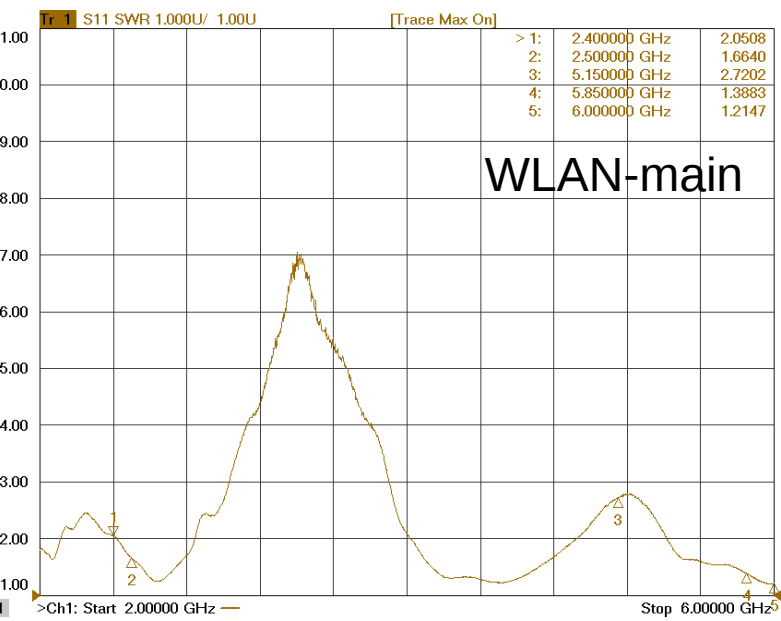
FIT belkin VOLTAIR



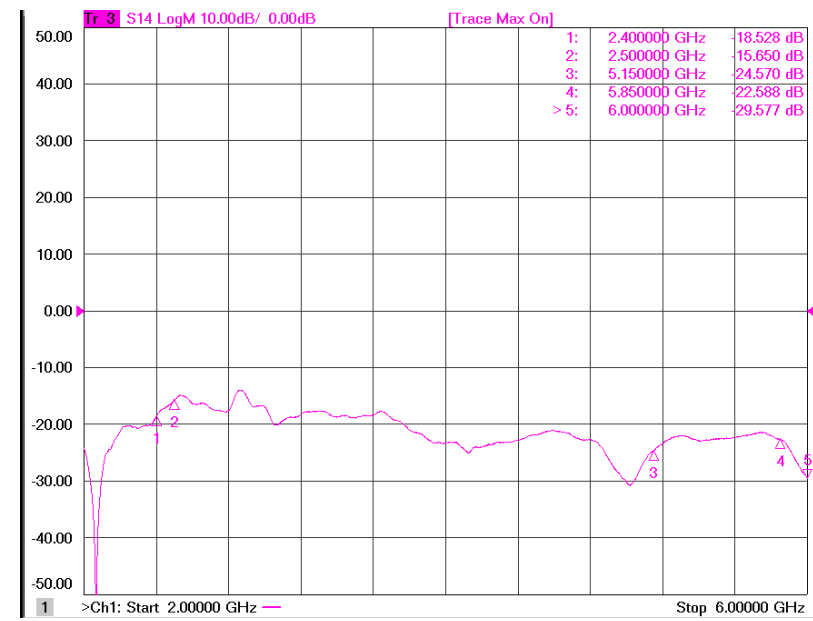
Antenna Performance

Antenna Test Result

VSWR



Isolation



Efficiency

WLAN-main

Frequency	2400	2450	2500	5150	5250	5350	5470	5600	5725	5785	5850
Peak Gain (dBi)	2.24	2.59	2.53	1.67	1.30	0.54	2.43	3.13	3.07	3.21	3.68
Efficiency (%)	54.20	61.38	61.15	43.53	40.60	37.43	44.45	57.45	53.03	56.90	59.43
Average Gain (dB)	-2.66	-2.12	-2.14	-3.61	-3.91	-4.27	-3.52	-2.41	-2.76	-2.45	-2.26

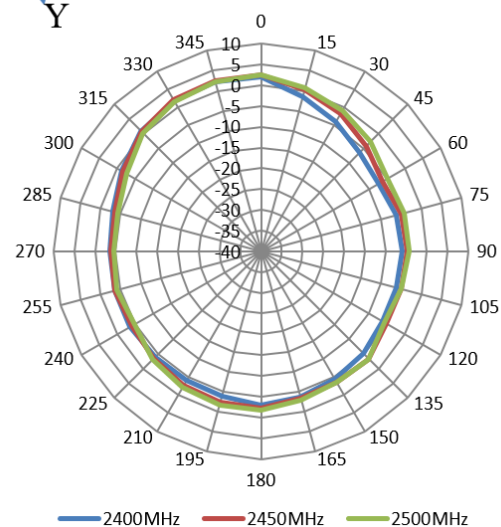
WLAN-aux

Frequency	2400	2450	2500	5150	5250	5350	5470	5600	5725	5785	5850
Peak Gain (dBi)	0.93	2.44	2.18	3.18	3.87	3.78	3.43	2.83	1.90	2.38	1.65
Efficiency (%)	36.74	46.83	45.43	54.91	56.71	51.46	48.73	46.51	39.95	41.37	43.33
Average Gain (dB)	-4.35	-3.29	-3.43	-2.60	-2.46	-2.89	-3.12	-3.32	-3.98	-3.83	-3.63

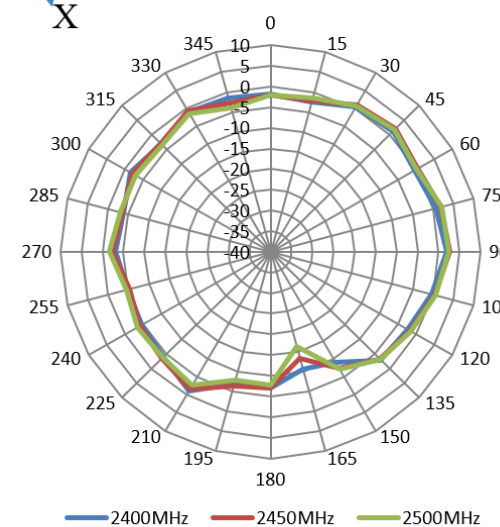
Antenna Test Result_Wlan main

Radiation pattern(2400 ~ 2500MHz)

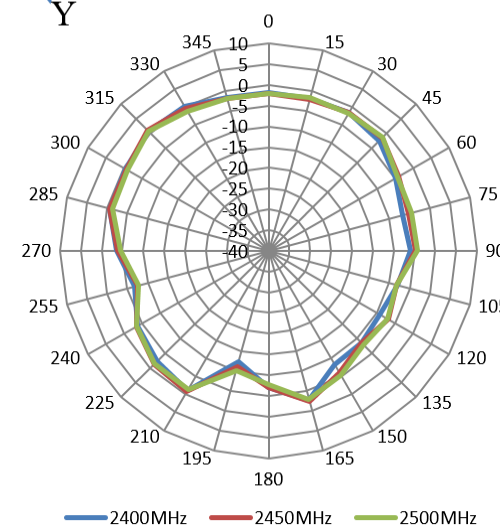
X
Y
Wlan-main @ XY Plane



Z
X
Wlan-main @ ZX Plane

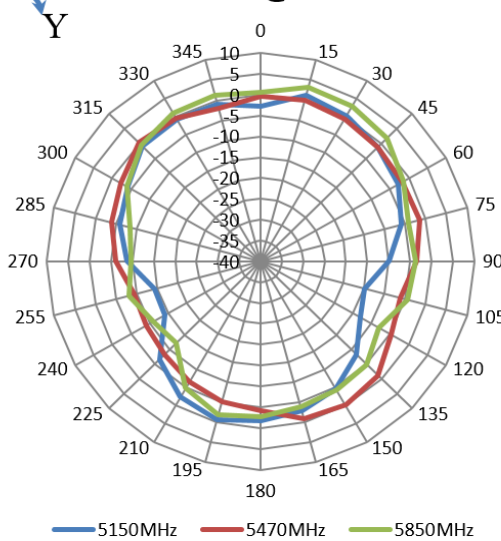


Z
Y
Wlan-mian @ ZY Plane

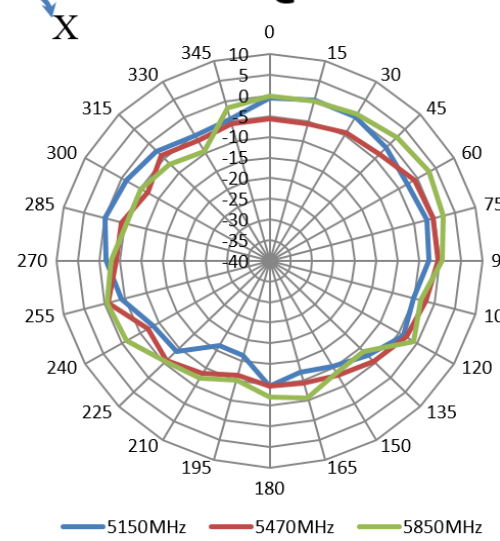


Radiation pattern(5150 ~ 5850MHz)

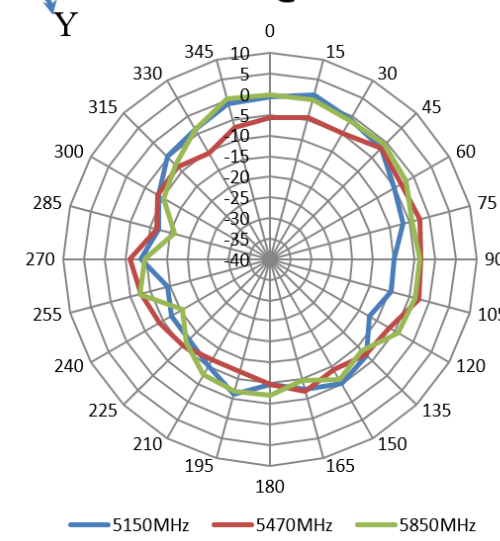
X
Y
Wlan-main @ XY Plane



Z
X
Wlan-main @ ZX Plane

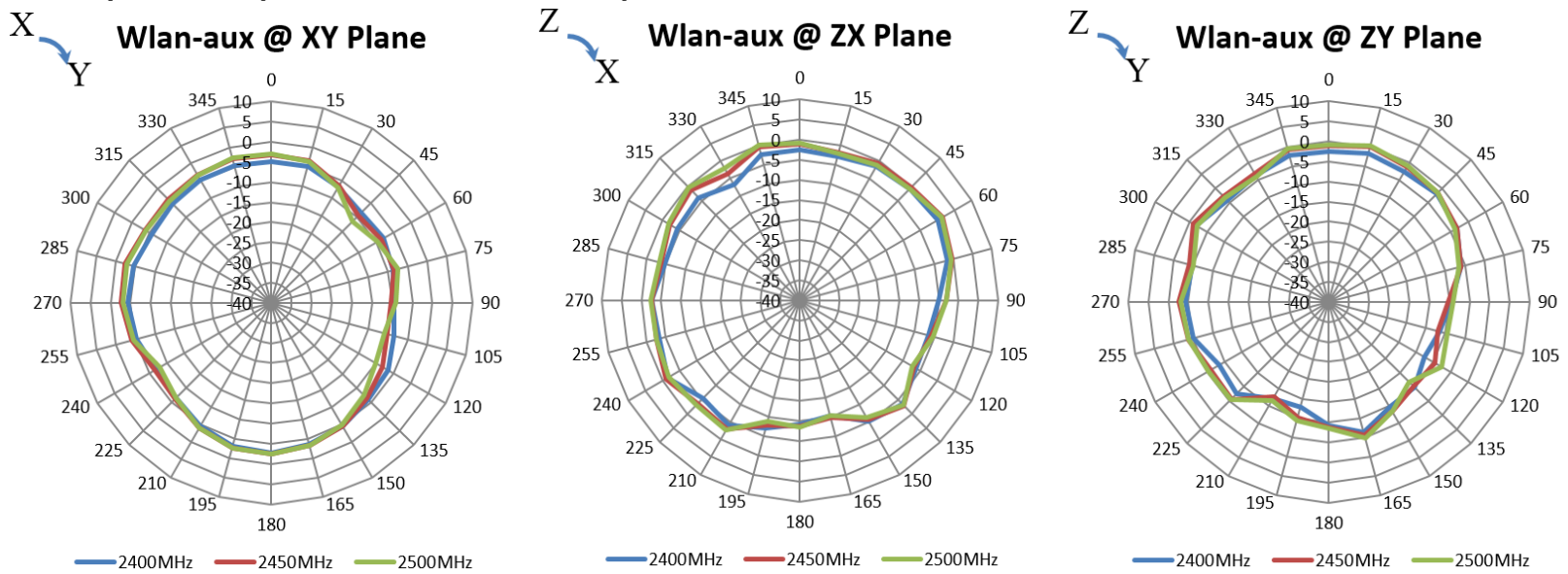


Z
Y
Wlan-main @ ZY Plane

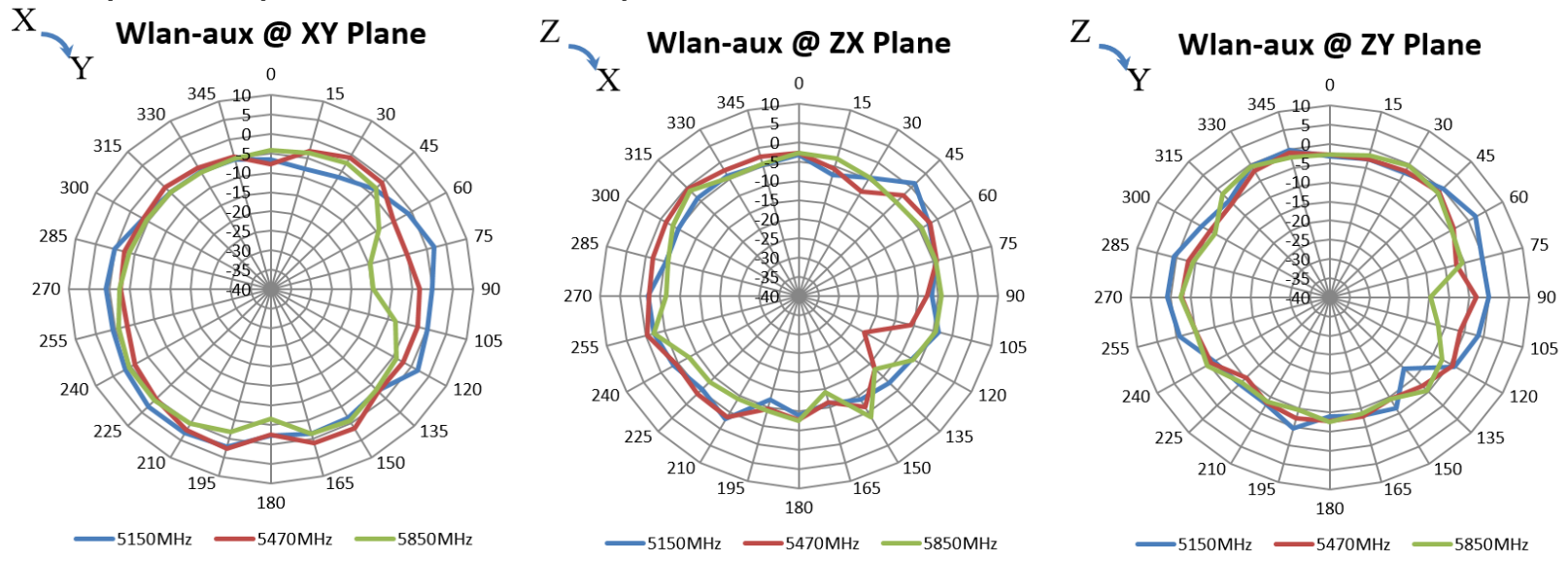


Antenna Test Result_Wlan aux

Radiation pattern(2400 ~ 2500MHz)



Radiation pattern(5150 ~ 5850MHz)



Thank you



belkin

VOLTAIR

Foxconn Interconnect Technology Limited (Incorporated in the Cayman Islands and carrying on business in Hong Kong as FIT Hon Teng Limited)

鴻騰精密科技股份有限公司 (於開曼群島成立，並以鴻騰六零八八精密科技股份有限公司於香港經營業務)