

Antenna Reports

Company: PICO

Model name: Hawk-C

Issue date: 2023/10/10

Tested by: 郭凯杰 (Guo Kaijie)

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Antenna Summary Table

Check items	Information
Provided by lab	Huizhou Speed Wireless Technology Co.,Ltd
Manufacturer	Huize Avenue, Shangxia District, Shuikou Dongjiang High tech Industrial Park, Huizhou City, Guangdong Province
Model name (Part number)	Hawk-C
Test environment	AMS-8500
List of calibrated test equipment	E5071C, with calibrated date: August 1, 2023
Testing Software	EMQUEST
Antenna detail info.	FPC+cable
Antenna gain test data	Included antenna frequency, gain

Note: Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document.

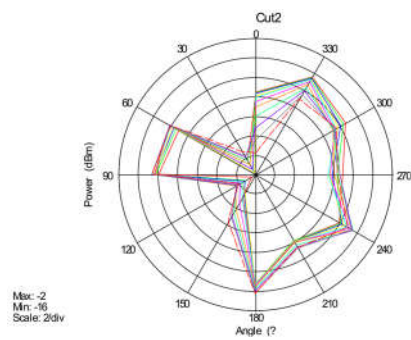
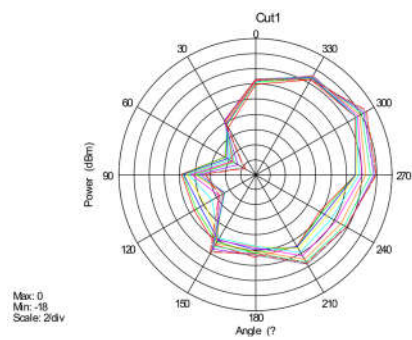
Hawk-C Antenna specification for compliance

Antenna Gain

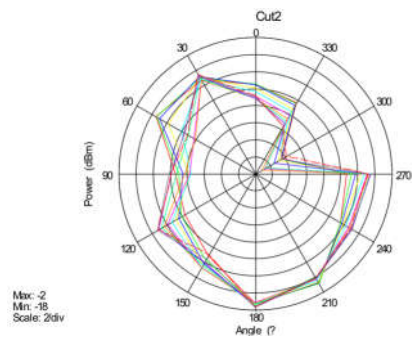
Left	2D Peak gain			Right	2D Peak gain	
Fre(Mhz)	Phi	Theta		Fre(Mhz)	Phi	Theta
2400	-0.43	-0.43		2400	0.78	0.29
2410	-0.44	-0.44		2410	0.78	0.36
2420	-0.5	-0.5		2420	0.82	0.35
2430	-0.46	-0.46		2430	0.79	0.31
2440	-0.4	-0.34		2440	0.85	0.28
2450	-0.21	-0.08		2450	0.86	0.23
2460	0.05	0.18		2460	0.77	0.26
2470	0.2	0.38		2470	0.56	0.29
2480	0.24	0.43		2480	0.32	0.33
2490	0.1	0.44		2490	-0.05	0.39
2500	-0.13	0.41		2500	-0.44	0.31

Left controller XY

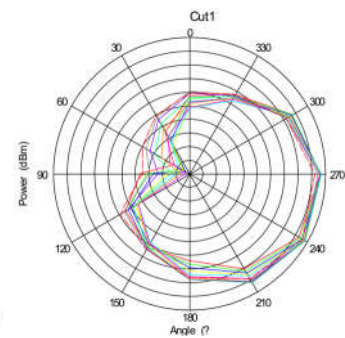
Left controller XZ



Right controller XY



Right controller XZ



Antenna efficiency

Left controller (left hand hold condition)			Right controller (Right hand hold condition)		
Fre(Mhz)	efficiency	Eff(%)	Fre(Mhz)	efficiency	Eff(%)
2400	-3.7	43	2400	-3.6	43
2410	-3.7	42	2410	-3.5	44
2420	-3.7	43	2420	-3.5	45
2430	-3.5	44	2430	-3.4	46
2440	-3.5	45	2440	-3.4	45
2450	-3.4	45	2450	-3.4	45
2460	-3.4	45	2460	-3.6	44

2470	-3.5	44		2470	-3.6	44
2480	-3.5	44		2480	-3.7	42
Ave	-3.6	44		Ave	-3.5	44