



Ai-M64P-32S

Power Consumption Test Report

1. Test Description

1.1 Test Instrument

Instrument	Manufacturer	Model
Current Analyzer	KEYSIGHT	N6705C

1.2 Test Conditions

Item	Condition	Note
Power Input	3.3V	/
Temperature	25°C (Room Temperature)	/

1.3 Test Items

Item	Result	Note
Power Consumption Test	PASS	/

1.4 Other Notes

Tested by	Qiao Rongxin	Note
Reviewed by	Guan Ning	/
Test Date	2026-04-20	/

No.	Test Mode		Power Consumption
1	11b TX	CCK 11 Mbps, Pout = +23 dBm, Duty 50%	258.23 mA
2		CCK 11 Mbps, Pout = +23 dBm, Duty 100%	435.52 mA
3	11g TX	OFDM 54 Mbps, POUT = +20 dBm, Duty 50%	213.56 mA
4		OFDM 54 Mbps, POUT = +20 dBm, Duty 100%	352.75 mA
5	11n TX	OFDM MCS7, POUT = +19 dBm, Duty 50%	206.34 mA
6		OFDM MCS7, POUT = +19 dBm, Duty 100%	338.36 mA
7	11ax TX	OFDM MCS9, POUT = +17 dBm, Duty 50%	179.88 mA
8		OFDM MCS9, POUT = +17 dBm, Duty 100%	290.85 mA
9	11b RX	802.11b Sensitivity 1 Mbps	84.53 mA
10		802.11b Sensitivity 11 Mbps	84.53 mA
11	11g RX	802.11g Sensitivity 6 Mbps	84.53 mA
12		802.11g Sensitivity 54 Mbps	84.53 mA
13	11n RX	802.11n Sensitivity MCS0	84.53 mA
14		802.11n Sensitivity MCS7	84.53 mA
15	11ax RX	802.11ax Sensitivity MCS0	84.53 mA
16		802.11ax Sensitivity MCS9	84.53 mA
17	PDS power consumption (DTIM 10)		90 μ A
18	HBN Power Consumption		5.37 μ A