



Ai-M64L-12F

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	Wang Yeqing	Note
Reviewed by	Guan Ning	/
Test Date	2026-07-16	/

Test Mode		Min	Avg	Max	Unit
11b	CCK 11Mbps, POUT = +23dBm, Duty 50%	-	244.26	-	mA
TX	CCK 11Mbps, POUT = +23dBm, Duty 100%	-	410.52	-	mA
11g	OFDM 54Mbps, POUT = +20dBm, Duty 50%	-	200.98	-	mA
TX	OFDM 54Mbps, POUT = +20dBm, Duty 100%	-	337.71	-	mA
11n	OFDM MCS7, POUT = +19dBm, Duty 50%	-	192.70	-	mA
TX	OFDM MCS7, POUT = +19dBm, Duty 100%	-	322.60	-	mA
11ax	OFDM MCS9, POUT = +17dBm, Duty 50%	-	166.67	-	mA
TX	OFDM MCS9, POUT = +17dBm, Duty 100%	-	276.75	-	mA
11b	802.11b Sensitivity 1Mbps	-	70.67	-	mA
RX	802.11b Sensitivity 11Mbps	-	70.60	-	mA
11g	802.11g Sensitivity 6Mbps	-	69	-	mA
RX	802.11g Sensitivity 54Mbps	-	70.67	-	mA
11n	802.11n Sensitivity MCS0	-	69.47	-	mA
RX	802.11n Sensitivity MCS7	-	69.07	-	mA
11ax	802.11ax Sensitivity MCS0	-	69.5	-	mA
RX	802.11ax Sensitivity MCS9	-	69.82	-	mA
PDS DTIM10 (without DCDC and RTC)		-	194.46	-	μA
HBN Power Consumption		-	6.42	-	μA