



Ai-M62-CBS Power Consumption Test Report

1. Test Description

1.1 Test Instruments

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	Dong Pengfei	Note
Reviewed by	Guan Ning	/
Test Date	2024-01-19	/

Test Mode		Min	Avg	Max	Unit
11b TX	CCK 11 Mbps, Pout = +23 dBm, Duty 50%	-	309.76	-	mA
	CCK 11 Mbps, Pout = +23 dBm, Duty 100%	-	413.73	-	mA
11g TX	OFDM 54 Mbps, POUT = +19 dBm, Duty 50%	-	234.55	-	mA
	OFDM 54 Mbps, POUT = +19 dBm, Duty 100%	-	326.37	-	mA
11n TX	OFDM MCS7, POUT = +19 dBm, Duty 50%	-	218.14	-	mA
	OFDM MCS7, POUT = +19 dBm, Duty 100%	-	324.8	-	mA
11b RX	802.11b Sensitivity 1 Mbps	-	47.57	-	mA
	802.11b Sensitivity 11 Mbps	-	47.57	-	mA
11g RX	802.11g Sensitivity 6 Mbps	-	47.57	-	mA
	802.11g Sensitivity 54 Mbps	-	47.57	-	mA
11n RX	802.11n Sensitivity MCS0	-	47.57	-	mA
	802.11n Sensitivity MCS7	-	47.57	-	mA
Low Power Consumption	DTIM10 (without DCDC and RTC crystal)	-	211	-	μA