Ai-M62-M01L

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℃ (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	2024-12-13	/

Test Mode		Min	Avg	Max	Unit
11b TX	CCK 11 Mbps, Pout = +23 dBm, Duty 50%	-	304.09	-	mA
	CCK 11 Mbps, Pout = +23 dBm, Duty 100%	-	401.8	-	mA
11g TX	OFDM 54 Mbps, POUT = +19 dBm, Duty 50%	-	211.8	-	mA
	OFDM 54 Mbps, POUT = +19 dBm, Duty 100%	-	295.64	-	mA
11n TX	OFDM MCS7, POUT = +19 dBm, Duty 50%	-	213.25	-	mA
	OFDM MCS7, POUT = +19 dBm, Duty 100%	-	295.48	-	mA
11b RX	802.11b Sensitivity 1 Mbps	-	58.59	-	mA
	802.11b Sensitivity 11 Mbps	-	58.59	-	mA
11g RX	802.11g Sensitivity 6 Mbps	-	58.59	-	mA
	802.11g Sensitivity 54 Mbps	-	58.59	-	mA
11n RX	802.11n Sensitivity MCS0	-	58.59	-	mA
	802.11n Sensitivity MCS7	-	58.59	-	mA
Low Power Consumption	DTIM10 (with DCDC and RTC crystal)	-	143	-	μA