

AD-509AX

Antenna Approval Sheet

Part Number	R3410A44051
Product Number	AD-509AX
Description	Dipole Antenna, 3.7dBi/5dBi/5dBi 2.4G/5G/6GHz, I-PEX / MHF1 connector
DOC NO	

Ver. 0.9

Revised History

Version	Purpose	Date	Responsible
0.9	Preliminary DoC	2022/05/19	Christina

SparkLAN		Customer
Sales	PM	Approval by

AD-509AX

Wi-Fi 6/6E Triple Band Dipole antenna

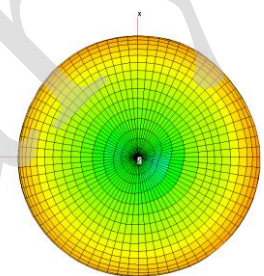
Features

- WiFi 6, including WiFi 6E new 6GHz band, Bluetooth, ZigBee
- Global Frequency coverage
- High efficiency
- Quick integration

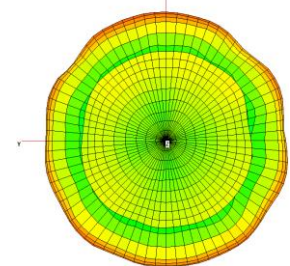


Specification

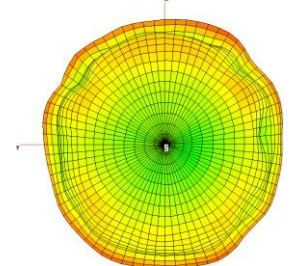
Frequency (MHz)	2400 ~ 2500	5150 ~ 5825	5925 ~ 7125
Peak Gain (dBi)	3.7	5	5
VSWR	2.0:1	2.0:1	2.0:1
Power (Watts)	1	1	1
Impedance (Ohms)	50	50	50
Dimension (mm)	95.5 x 15.3 x 0.6		
Connector	IPEX1		
Cable length (mm)	150		
Operating Temp (°C)	-40°C ~ +85°C		



2.45GHz



5.55GHz



6.49GHz

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Mechanical Dimensions

