



AMLF1 Antenna Datasheet

Antenna Model No.: RFFPA251200NNLB001

Antenna Type: FPC Loop Antenna

Manufacturer: PSA - INPAQ Technology Co., Ltd.

Address: No. 566-1, Gaoshi Rd., Yangmei Dist.,
Taoyuan City 326103 , Taiwan (R.O.C.)

Revision	Date	Note
1.0	6/30/2025	Initial Release
1.1	7/1/2025	Remove VSWR, update Peak Gain Tables, and add View of Antenna and 2D Radiation Patterns



- **Antenna Efficiency and Peak Gain**

Wi-Fi 2.4 GHz

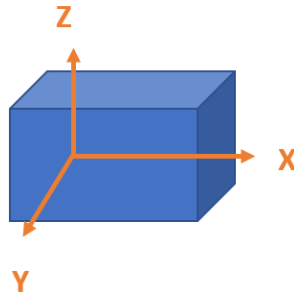
Frequency (MHz)	Efficiency (%)	Peak gain (dBi)
2400	28.80	-0.36
2410	29.13	-0.39
2412	29.41	-0.45
2420	30.18	-0.29
2430	31.26	-0.33
2440	31.37	-0.13
2442	30.95	-0.20
2450	30.76	-0.18
2460	30.85	-0.26
2462	31.02	-0.29
2470	31.91	0.07
2480	31.67	-0.18
2490	31.16	-0.25
2500	30.69	-0.49

Wi-Fi 5GHz

Frequency (MHz)	Efficiency (%)	Peak gain (dBi)
5150	30.87	1.15
5200	31.55	1.33
5250	30.06	0.83
5300	30.40	0.66
5350	31.15	0.57
5400	30.51	0.31
5450	28.21	-0.41
5500	26.54	-0.84
5550	28.63	0.42
5600	29.73	0.46
5650	29.39	0.56
5700	28.06	0.21
5750	28.05	0.41
5785	33.25	0.03
5800	32.04	-0.09
5850	31.72	0.20

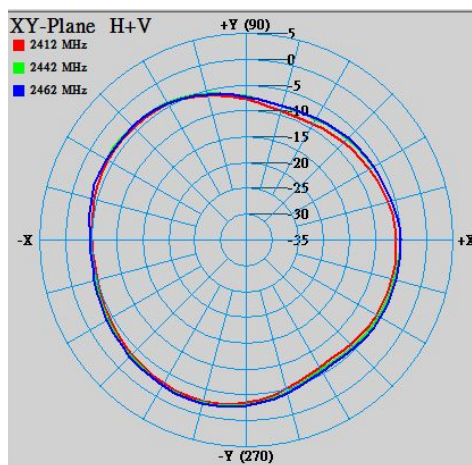
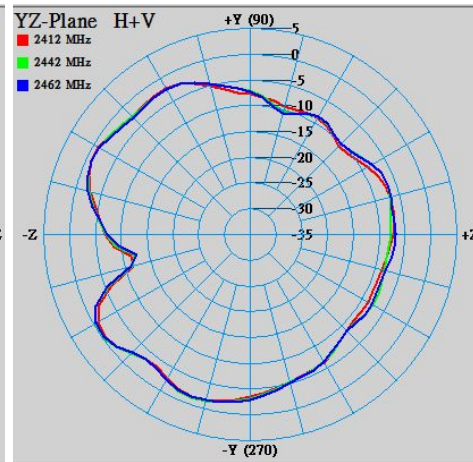
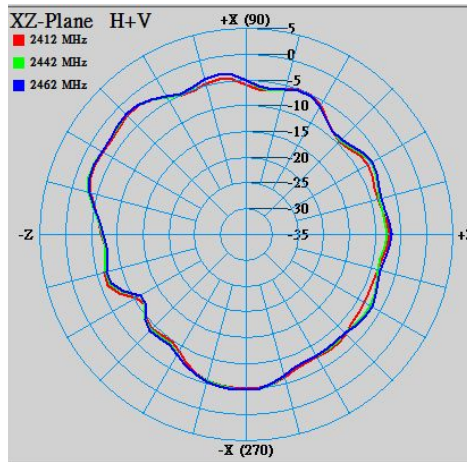


- View of antenna



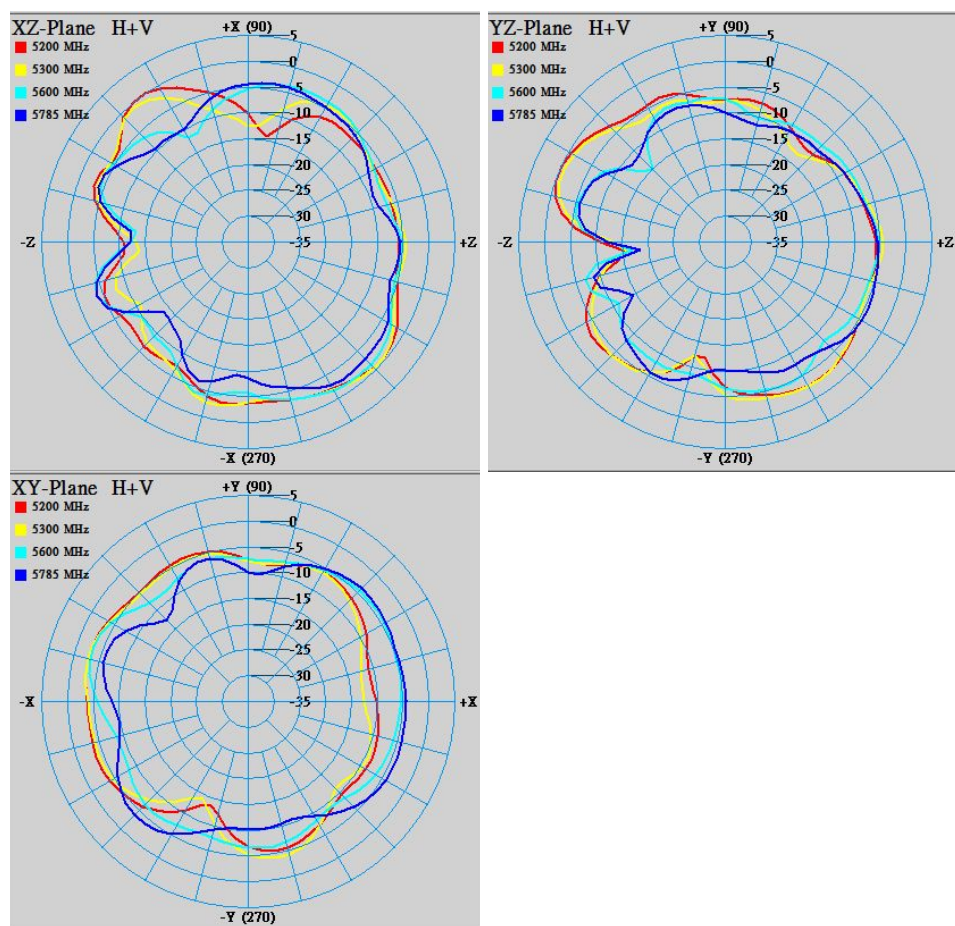
- 2D Radiation Patterns

Wi-Fi 2.4 GHz





Wi-Fi 5GHz



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