

SPECIFICATION

Antenna vendor P/N(Inpaq):	ANT1: WA-F-LB-01-114	ANT2: WA-F-LB-02-330
ODM P/N (Wistron):	025.902AT.0001	025.902AU.0001
Ant. type:	PIFA	
DATE:	2023/09/18	
DATASHEET REVISION:	V1	
MANUFACTURER:	Inpaq	
Address of the antenna manufacturer:	No. 11, Keyi St., Zhunan Township, Miaoli County 350402 , Taiwan (R.O.C.)	

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Summary table

Check Item	Information	Page
Brand name	Inpaq	1
Model name(Part number)	ANT1:WA-F-LB-01-114 ANT2:WA-F-LB-02-330	1
manufacturer	Inpaq	1
Test data	Included frequency, antenna gain, type	3~6
Antenna 3D pattern	Included antenna 3D pattern	7

Antenna Performance

1. Ant.1 & 2 (TX antenna)

◆ Description

Frequency Range	2400~2485MHz 5150~7125MHz
Impedance	50Ω
Peak Gain	4dBi (test in anechoic chamber)
Admitted Power	N/A
Cable	White & Black 1.13mm Low Loss Coaxial Cable
Antenna Type	PIFA
Connector	I-pex 1
Process	FPC

◆ Antenna Efficiency (test in anechoic chamber)

ANT1	Avg.Gain	Peak Gain
5900	-3.1	3.9
5950	-2.8	3.8
6000	-2.5	4.0
6050	-2.6	3.9
6100	-2.4	4.0
6150	-2.6	3.8
6200	-2.5	4.0
6250	-3.0	3.9
6300	-3.4	3.5
6350	-3.3	4.0
6400	-3.6	3.7
6450	-3.4	4.0
6500	-3.7	3.7
6550	-3.2	4.0
6600	-2.8	4.0
6650	-2.8	3.8
6700	-2.5	4.0
6750	-2.5	4.0
6800	-2.5	4.0
6850	-2.6	3.5
6900	-2.6	3.4
6950	-2.9	2.9
7000	-2.9	2.6
7050	-3.1	2.0
7100	-3.4	1.9
7150	-2.7	2.1
7200	-2.8	1.8

ANT1	Avg.Gain	Peak Gain
5150	-2.7	2.6
5200	-2.4	3.2
5250	-2.3	3.5
5300	-2.1	3.6
5350	-2.1	2.9
5400	-2.1	2.9
5450	-2.3	3.2
5500	-2.6	3.1
5550	-2.8	2.9
5600	-3.1	3.0
5650	-3.2	3.3
5700	-3.9	3.2
5750	-3.6	4.0
5800	-3.5	3.9
5850	-3.4	3.8

ANT1	Avg.Gain	Peak Gain
2400	-2.8	4.0
2410	-2.8	4.0
2420	-2.9	3.9
2430	-3.0	3.8
2440	-3.0	3.7
2450	-3.1	3.6
2460	-3.1	3.5
2470	-3.2	3.4
2480	-3.3	3.3
2490	-3.4	3.2

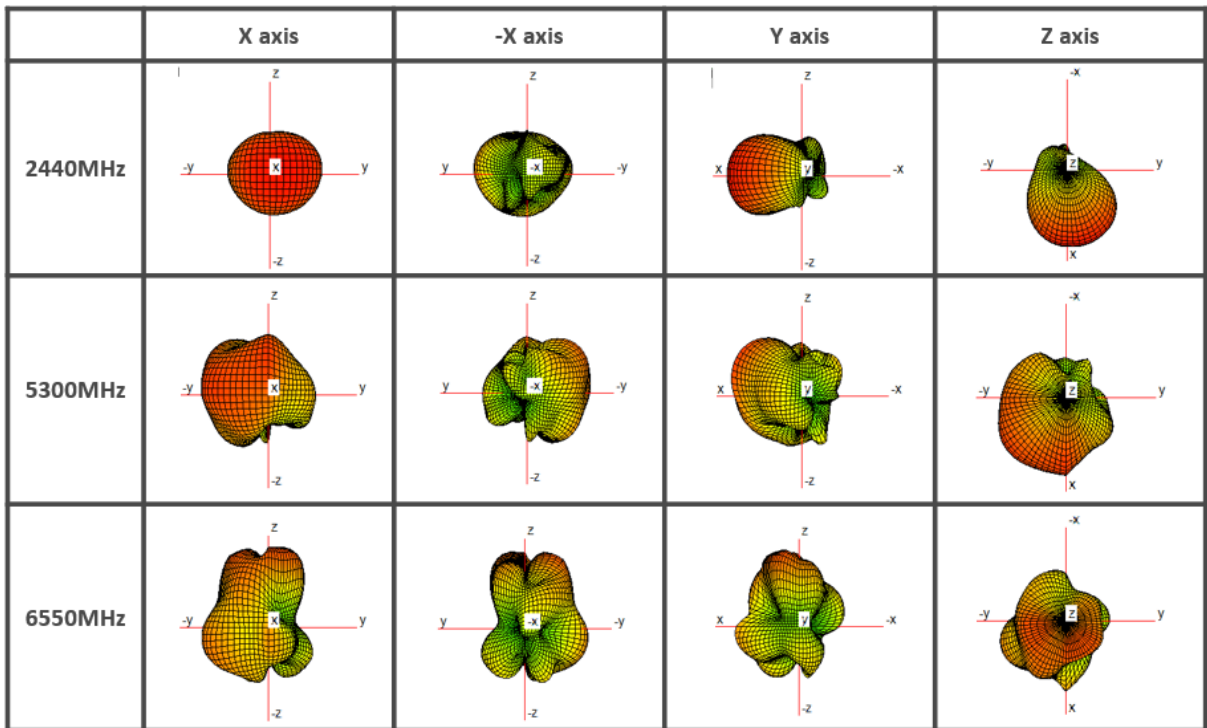
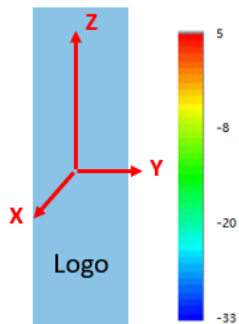
ANT2	Avg.Gain	Peak Gain
2400	-2.7	2.5
2410	-2.5	2.8
2420	-2.4	3.1
2430	-2.3	3.3
2440	-2.1	3.5
2450	-2.1	3.7
2460	-2.0	3.8
2470	-2.0	3.9
2480	-1.9	3.9
2490	-2.0	3.8

ANT2	Avg.Gain	Peak Gain
5150	-2.9	3.8
5200	-3.0	3.6
5250	-2.6	4.0
5300	-2.9	3.3
5350	-2.9	2.8
5400	-2.9	2.5
5450	-3.1	1.9
5500	-2.9	2.8
5550	-3.4	2.7
5600	-3.0	3.3
5650	-3.1	3.3
5700	-3.4	3.3
5750	-3.2	3.8
5800	-3.3	3.3
5850	-3.1	3.7

ANT2	Avg.Gain	Peak Gain
5900	-3.5	3.4
5950	-3.2	3.9
6000	-3.0	4.0
6050	-3.4	3.9
6100	-3.3	4.0
6150	-3.6	3.9
6200	-3.0	4.0
6250	-3.6	3.6
6300	-3.6	3.7
6350	-3.6	3.6
6400	-3.6	3.8
6450	-3.1	3.5
6500	-3.6	3.3
6550	-3.1	3.3
6600	-2.8	3.4
6650	-2.9	2.9
6700	-2.8	2.8
6750	-2.7	2.6
6800	-2.2	3.0
6850	-2.2	3.4
6900	-2.3	4.0
6950	-1.9	4.0
7000	-2.2	3.7
7050	-2.3	3.2
7100	-3.2	2.1
7150	-3.1	2.0
7200	-3.4	1.9

◆ Antenna 3D Radiation Pattern

ANT1



ANT2

