



TC530R Antenna SPECIFICATION

Antenna Manufacturer Name	Wistron
Address	Wistron Corporation (Hsichih office) 21F, 88, Sec. 1, Hsintai 5th Rd., Hsichih
P/N:	025.902HE.0001
Test DATE	2024/6/25
DATASHEET REVISION	00

A handwritten signature in blue ink, reading 'Danny' followed by a stylized flourish.

Test Engineer: Danny Zheng



Description of Antenna 6

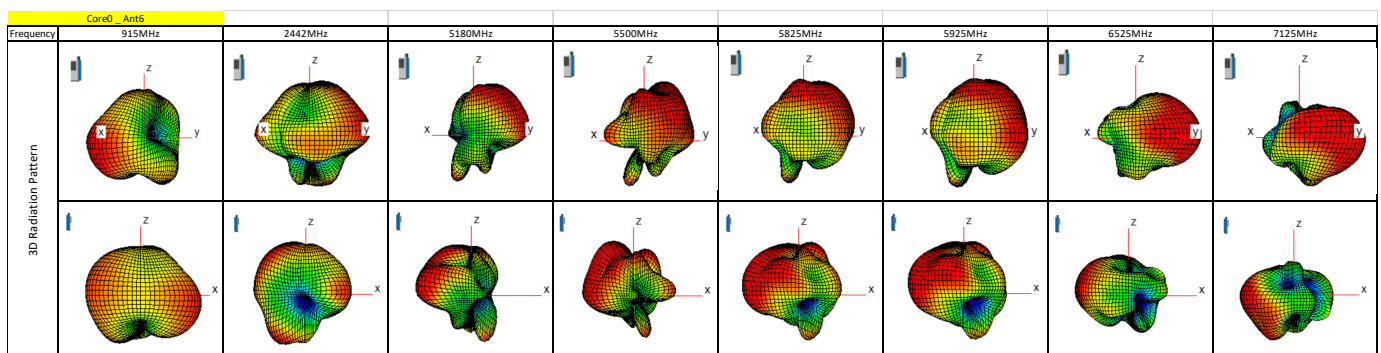
Frequency Range	2.4 GHz, 5 GHz, and 6 GHz
Impedance	50 Ω
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

Antenna			Peak Gain (dBi)	
	Chamber Name		Free Space	
			Auden GTS1800	
	Frequency Band	MHz	Max Spec	Result
Core 0_Ant6	2.4GHz	2412	3	1.62
		2437	3	1.58
		2462	3	1.20
		2484	3	1.24
		Max Peak Gain	3	1.62
	5GHz	4900	4	1.23
		4950	4	1.16
		5000	4	1.31
		5180	4	1.88
		5250	4	2.79
		5350	4	3.34
		5450	4	3.60
		5550	4	3.58
		5650	4	3.27
		5750	4	3.42
		5825	4	3.76
		Max Peak Gain	4	3.76
	6GHz	5925	4	3.82
		5975	4	3.58
		6025	4	3.52
		6125	4	3.57
		6225	4	3.76
		6325	4	3.42
		6425	4	3.68
		6525	4	3.69
		6625	4	3.69
		6725	4	3.73
		6825	4	3.53
		6925	4	3.60
		7096	4	3.62
		7125	4	3.76
		Max Peak Gain		3.82

Antenna			Peak Gain (dBi)	
	Chamber Name		Free Space	
			Auden GTS1800	
	Frequency Band	MHz	Max Spec	Result
Core 0_Ant6	RFID	902.75		-1.06
		914.75		-1.04
		927.25		-2.06
		Max Peak Gain		-1.04

Antenna Pattern:





Description of Antenna 7

Frequency Range	2.4 GHz, 5 GHz, and 6 GHz
Impedance	50 Ω
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

Antenna			Peak Gain (dBi)	
			Free Space	
	Chamber Name		Auden GTS1800	
	Frequency Band	MHz	Max Spec	Result
Core 1 _ Ant7	2.4GHz	2412	3	1.05
		2437	3	1.01
		2462	3	0.96
		2484	3	1.14
		Max Peak Gain	3	1.14
	5GHz	4900	4	3.11
		4950	4	2.59
		5000	4	2.55
		5180	4	1.80
		5250	4	2.23
		5350	4	2.40
		5450	4	2.50
		5550	4	3.46
		5650	4	3.68
		5750	4	3.60
		5825	4	2.65
		Max Peak Gain	4	3.68
	6GHz	5925	4	2.48
		5975	4	2.51
		6025	4	1.66
		6125	4	2.89
		6225	4	3.09
		6325	4	3.10
		6425	4	3.18
		6525	4	2.01
		6625	4	2.49
		6725	4	2.75
		6825	4	2.03
		6925	4	2.07
		7096	4	2.10
		7125	4	2.07
		Max Peak Gain		3.18

Antenna	Thunderbolt LANsku DV2-2		Peak Gain (dBi)	
			Free Space	
	Chamber Name		Auden GTS1800	
	Frequency Band	MHz	Max Spec	Result
Core 1 _ Ant7	RFID	902.75		-1.47
		914.75		-1.24
		927.25		-0.96
		Max Peak Gain		-0.96

Antenna Pattern:

