



TC530E Antenna SPECIFICATION

Antenna Manufacturer Name	Wistron
Address	Wistron Corporation (Hsichih office) 21F, 88, Sec. 1, Hsintai 5th Rd., Hsichih
P/N:	025.902FB.0001
Test DATE	2023/12/20
DATASHEET REVISION	00

Jimmy Chen

Test Engineer: Jimmy Chen



Description of Antenna 6

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

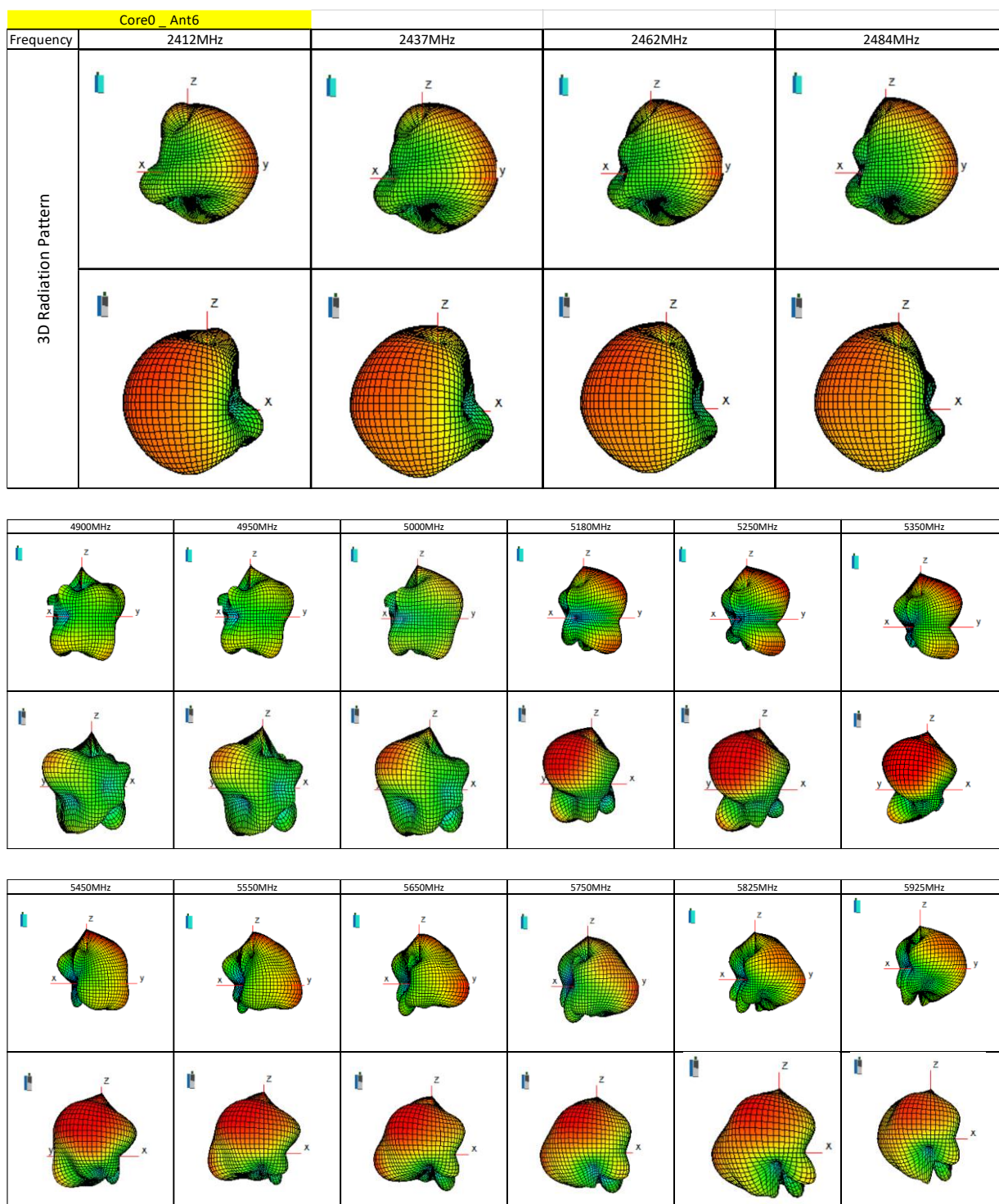
Antenna Peak Gain:

Antenna	Thunderbolt LANSku DV1-1		Peak Gain (dBi)	
	Chamber Name		Free Space	
	Auden GTS1800			
	Frequency Band	MHz	Max Spec	Result
Core 0 _ Ant6	2.4GHz	2412	3	0.63
		2437	3	0.65
		2462	3	0.67
		2484	3	0.56
		Max Peak Gain	3	0.67
	5GHz	4900	4	-1.43
		4950	4	-0.94
		5000	4	0.17
		5180	4	3.85
		5250	4	3.86
		5350	4	3.74
		5450	4	3.80
		5550	4	3.80
		5650	4	3.43
		5750	4	2.94
		5825	4	1.59
		Max Peak Gain	4	3.86
	6GHz	5925	4	0.05
		5975	4	0.74
		6025	4	0.62
		6125	4	1.82
		6225	4	1.91
		6325	4	2.45
		6425	4	2.53
		6525	4	2.63
		6625	4	2.54
		6725	4	1.95
		6825	4	1.78
		6925	4	2.54
		7096	4	2.02
		7125	4	1.76
		Max Peak Gain		2.63



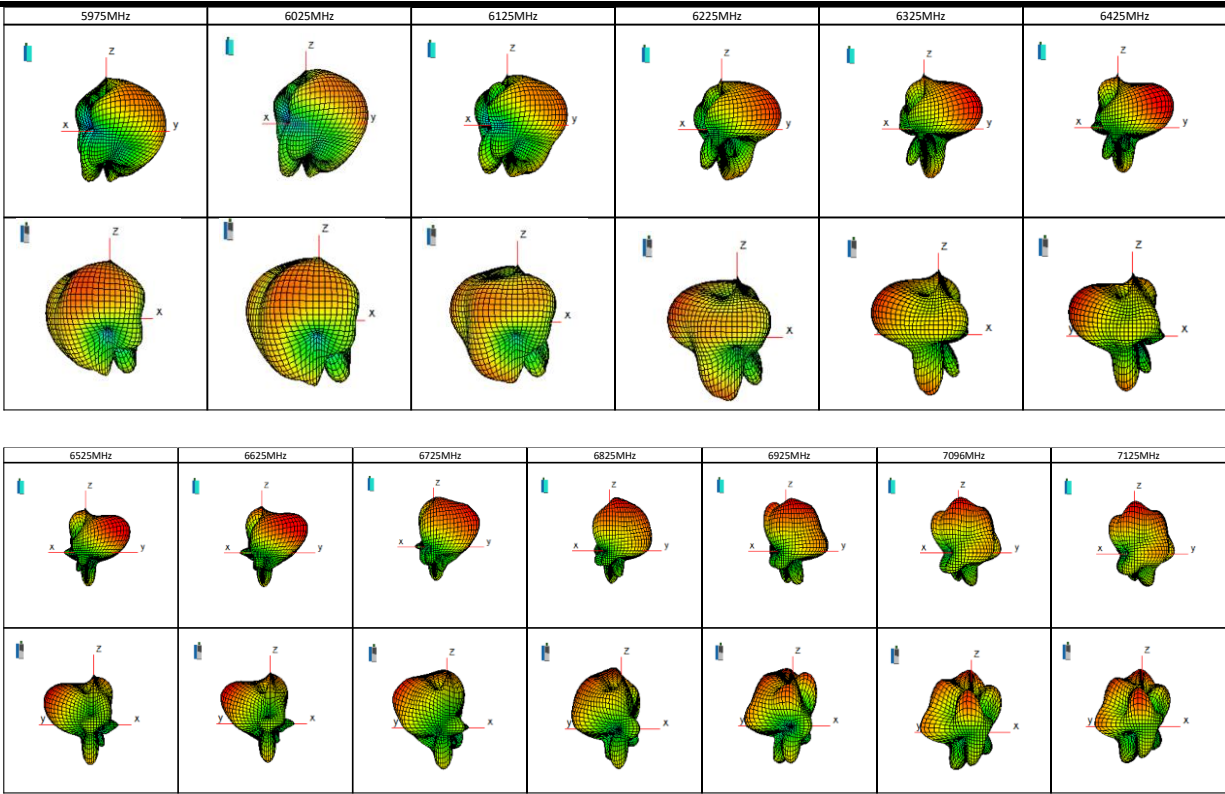
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Antenna Pattern:





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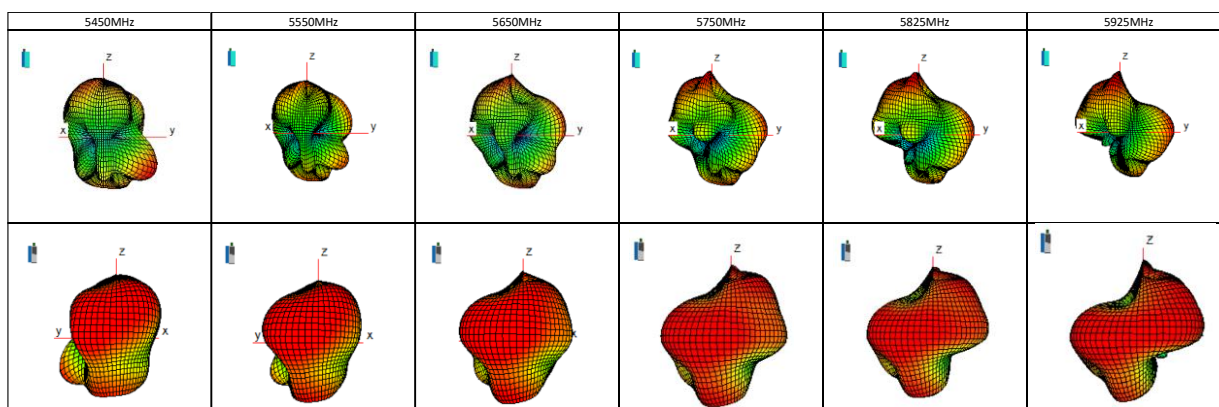
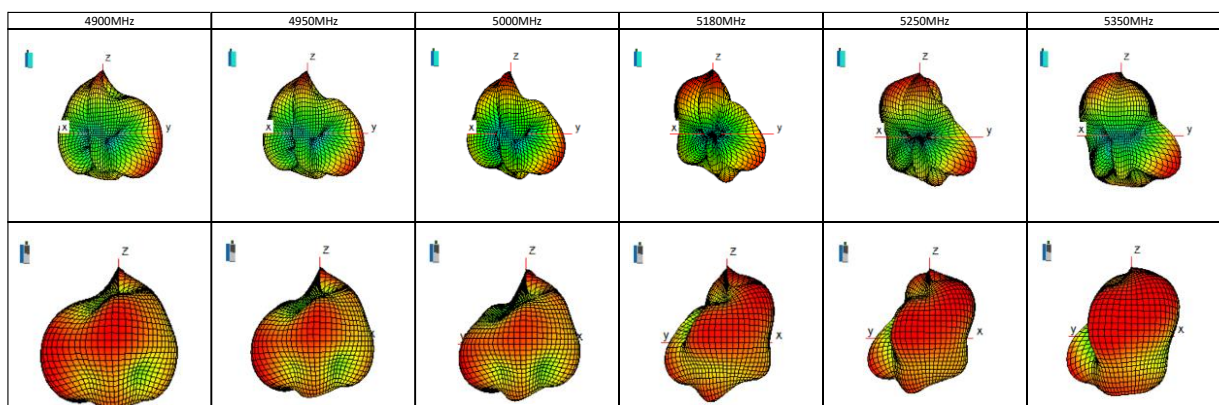
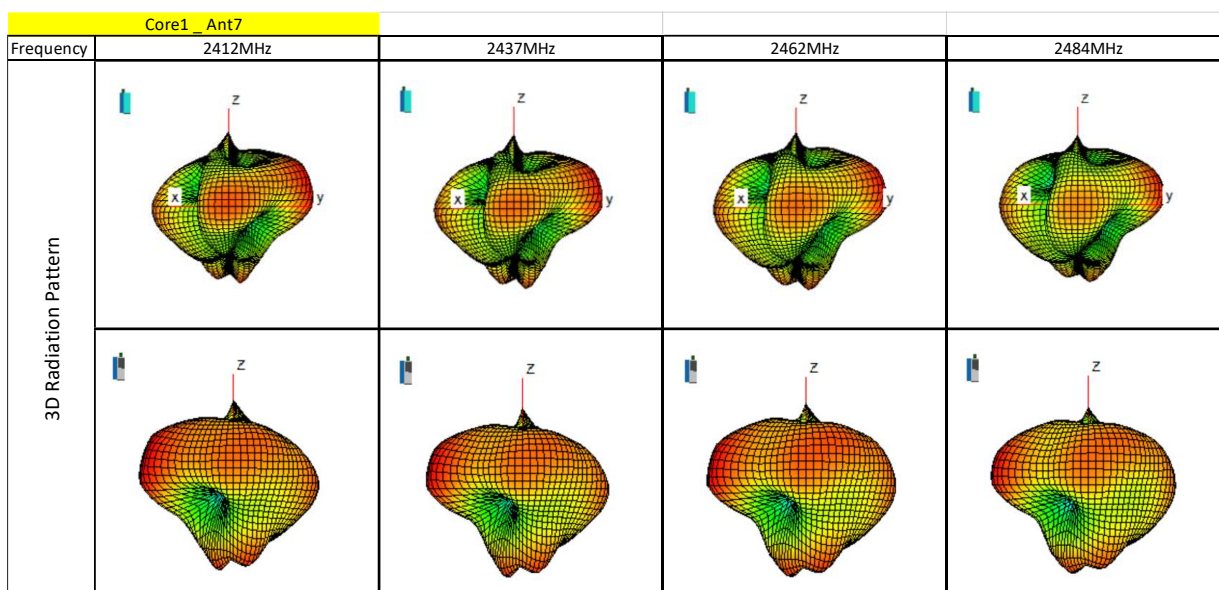
Description of Antenna 7

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

Antenna Peak Gain:

Antenna	Thunderbolt LANSku DV1-1		Peak Gain (dBi)	
	Chamber Name		Free Space	
	Frequency Band	MHz	Max Spec	Result
Core 1 _ Ant7	2.4GHz	2412	3	0.53
		2437	3	0.00
		2462	3	-0.69
		2484	3	-0.73
		Max Peak Gain	3	0.53
	5GHz	4900	4	1.90
		4950	4	1.05
		5000	4	1.34
		5180	4	1.48
		5250	4	1.42
		5350	4	1.42
		5450	4	1.80
		5550	4	3.04
		5650	4	2.27
		5750	4	1.92
		5825	4	2.52
		Max Peak Gain	4	3.04
	6GHz	5925	4	2.20
		5975	4	1.97
		6025	4	1.96
		6125	4	1.95
		6225	4	1.48
		6325	4	1.96
		6425	4	1.56
		6525	4	0.46
		6625	4	1.60
		6725	4	1.54
		6825	4	0.32
		6925	4	0.21
		7096	4	0.94
		7125	4	1.19
		Max Peak Gain		2.20

Antenna Pattern:





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