



TCX010 Antenna SPECIFICATION

Antenna Manufacturer Name	Wistron
Address	Wistron Corporation (Hsichih office) 21F, 88, Sec. 1, Hsintai 5th Rd., Hsichih
P/N:	025.902KF.0003
Test DATE	2025/11/14
DATASHEET REVISION	00

Hank Li

Test Engineer: Hank Li

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Description of Antenna 6

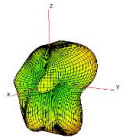
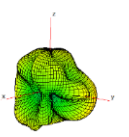
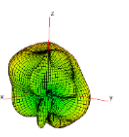
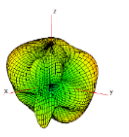
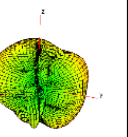
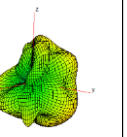
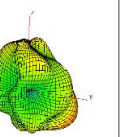
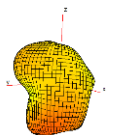
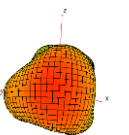
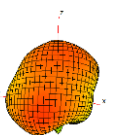
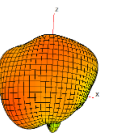
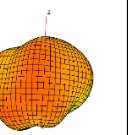
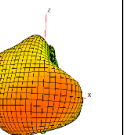
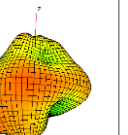
Frequency Range	2.4 GHz, 5 GHz & 6 GHz
Impedance	50 Ω
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

Ant.	Slingshot_WL+RFID SKU		Peak Gain (dBi)	
			Free Space	
	Chamber Name		Auden GT51800	
	Frequency Band	MHz	Max Spec	Result
Core 05	2.4GHz	2412	3	1.12
		2437	3	1.91
		2462	3	2.30
		2484	3	2.29
		Max Peak Gain	3	2.30
	5GHz	4900	4	3.43
		4950	4	3.17
		5000	4	3.27
		5180	4	3.16
		5550	4	3.07
		5825	4	2.30
		Max Peak Gain	4	3.43
	6GHz	5925	4	1.48
		5975	4	1.13
		6025	4	1.16
		6225	4	3.17
		6525	4	1.67
		6725	4	0.87
		6825	4	1.19
		7125	4	2.20
		Max Peak Gain		3.17



Antenna Pattern:

Core0_Ant6							
Frequency	2442MHz	5180MHz	5500MHz	5825MHz	5925MHz	6525MHz	7125MHz
3D Radiation Pattern							
							

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Description of Antenna 7

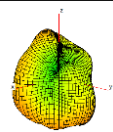
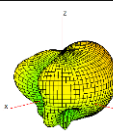
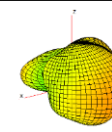
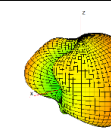
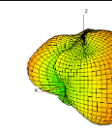
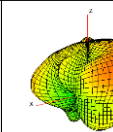
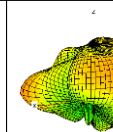
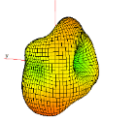
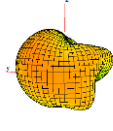
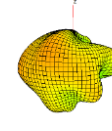
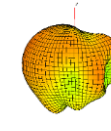
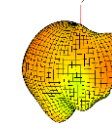
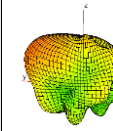
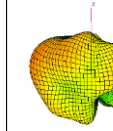
Frequency Range	2.4 GHz, 5 GHz, and 6 GHz
Impedance	50 Ω
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

Ant.	Slingshot _WL+RFID SKU		Peak Gain (dBi)	
			Free Space	
	Chamber Name		Auden GTS1800	
	Frequency Band	MHz	Max Spec	Result
Core 1 _ Ant7	2.4GHz	2412	3	1.67
		2437	3	1.56
		2462	3	1.60
		2484	3	1.55
		Max Peak Gain	3	1.67
	5GHz	4900	4	0.24
		4950	4	0.11
		5000	4	0.22
		5180	4	0.27
		5550	4	0.05
		5650	4	0.89
		5750	4	1.07
		5825	4	1.07
		Max Peak Gain	4	1.07
	6GHz	5925	4	0.60
		5975	4	0.21
		6025	4	0.51
		6225	4	2.15
		6525	4	1.45
		6725	4	0.53
		6825	4	0.36
		7125	4	0.89
		Max Peak Gain		2.43



Antenna Pattern:

Core1_Ant7							
Frequency	2442MHz	5180MHz	5500MHz	5825MHz	5925MHz	6525MHz	7125MHz
3D Radiation Pattern							
							



Description of Antenna 8

Frequency Range	866 MHz(EU), 915 MHz(US+EU)
Impedance	50 Ω
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

Ant.	Slingshot _WL+RFID SKU		Peak Gain (dBi)	
			Free Space	
	Chamber Name		Auden GTS1800	
	Frequency Band	MHz	Max Spec	Result
Ant8	RFID_EU	852		-1.06
		865		-0.52
		866		-0.49
		867		-0.46
		880		-0.54
		Max Peak Gain	0	-0.46

Ant.	Slingshot _WL+RFID SKU		Peak Gain (dBi)	
			Free Space	
	Chamber Name		Auden GTS1800	
	Frequency Band	MHz	Max Spec	Result
Ant8	RFID_US	902		0.03
		908		0.15
		915		0.30
		921		0.16
		925		-0.11
		928		-0.32
		Max Peak Gain	0	0.30



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Antenna Pattern:

Core0_Ant8		
Frequency	866MHz	915MHz
3D Radiation Pattern	