



TCX01G Antenna SPECIFICATION

Antenna Manufacturer Name	Wistron
Address	Wistron Corporation (Hsichih office) 21F, 88, Sec. 1, Hsintai 5th Rd., Hsichih
P/N:	025.902KD.0005
Test DATE	2025/12/12
DATASHEET REVISION	00

Hank Li

Test Engineer: Hank Li

Description of Antenna 6

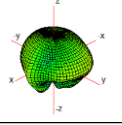
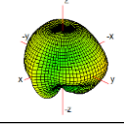
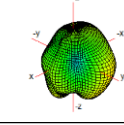
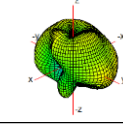
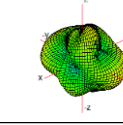
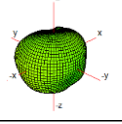
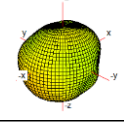
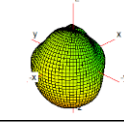
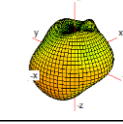
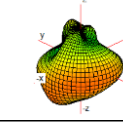
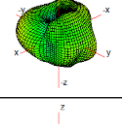
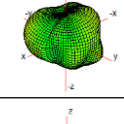
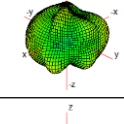
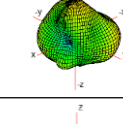
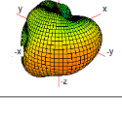
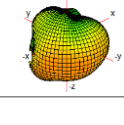
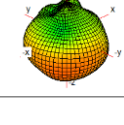
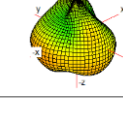
Frequency Range	GPS L1, 2.4 GHz, 5 GHz, 6 GHz
Impedance	50 Ω
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

Ant.	Slingshot_WWAN SKU		Peak Gain (dBi)	
	Chamber Name		Free Space	
	Frequency Band	MHz	Max Spec	Result
Ant6	B32	1452		-6.83
		1474		-5.60
		1496		-5.28
		Max Peak Gain		-5.28
	GPS L1	1559		-1.83
		1575		-1.36
		1606		-1.29
		1610		-1.40
		Max Peak Gain		-1.29
	2.4GHz	2402		0.83
		2442		0.59
		2472		0.31
		Max Peak Gain		0.83

Ant.	Slingshot_WWAN SKU		Peak Gain (dBi)	
	Chamber Name		Free Space	
	Frequency Band	MHz	Max Spec	Result
Ant6	5GHz	5150		-0.95
		5180		-0.62
		5250		0.40
		5500		1.41
		5650		1.14
		5750		0.87
		5825		0.60
		Max Peak Gain		1.41
	6GHz	5925		-0.08
		5975		0.16
		6025		0.39
		6225		0.63
		6525		1.07
		6725		0.17
		6825		-0.74
		6925		-0.82
		7125		-0.89
		Max Peak Gain		1.07

Antenna Pattern:

WWAN_Ant6					
Frequency	1474MHz	1575MHz	2442MHz	5180MHz	5500MHz
3D Radiation Pattern					
					
Frequency	5825MHz	5925MHz	6525MHz	7125MHz	
3D Radiation Pattern					
					

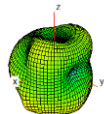
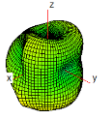
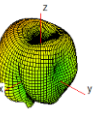
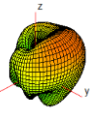
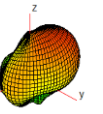
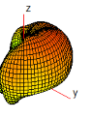
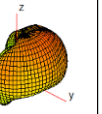
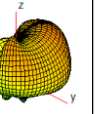
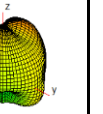
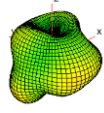
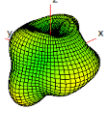
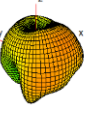
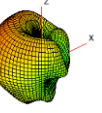
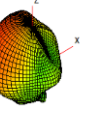
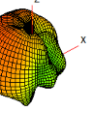
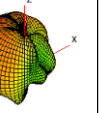
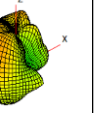
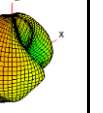
Description of Antenna 7

Frequency Range	GPS L5/L2, 2.4 GHz, 5 GHz, 6 GHz
Impedance	50 Ω
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

Ant.	Slingshot_WW+RFID SKU		Peak Gain (dBi)	
	Chamber Name		Free Space	
	Frequency Band	MHz	Audien GTS1800 Max Spec	Result
Ant7	GPS L5/L2	1176		-3.05
		1227		-4.10
		Max Peak Gain		-3.05
	2.4GHz			
		2402	3	0.53
		2442	3	1.04
		2472	3	0.68
		Max Peak Gain	3	1.04
	5GHz			
		5150	4	0.87
		5180	4	1.60
		5250	4	2.33
		5500	4	3.06
		5650	4	2.91
		5750	4	2.76
		5850	4	2.62
		Max Peak Gain	4	3.06
	6GHz			
		5925	4	2.07
		5975	4	1.96
		6025	4	1.86
		6225	4	2.06
		6525	4	0.97
		6725	4	0.63
		6825	4	0.29
		6925	4	0.34
		7125	4	0.38
		Max Peak Gain	4	2.07

Antenna Pattern:

Ant7									
Frequency	1176MHz	1227MHz	2442MHz	5150MHz	5500MHz	5850MHz	5925MHz	6525MHz	7125MHz
3D Radiation Pattern									
									

Description of Antenna 8

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

Antenna Peak Gain:

Ant.	Slingshot_WWAN SKU		Peak Gain (dBi)	
	Chamber Name		Free Space	
	Frequency Band	MHz	Max Spec	Result
Ant8	RFID_EU	852		-1.22
		865		-1.29
		866		-1.29
		867		-1.30
		880		-1.61
		Max Peak Gain	0	-1.22
Ant.	Slingshot_WWAN SKU		Peak Gain (dBi)	
	Chamber Name		Free Space	
	Frequency Band	MHz	Max Spec	Result
Ant8	RFID_US	902		-0.63
		908		-0.41
		915		-0.18
		921		-0.35
		925		-0.53
		928		-0.65
		Max Peak Gain	0	-0.18

Antenna Pattern:

WWAN_Ant8_RFID		
Frequency	866MHz	915MHz
3D Radiation Pattern	