



Antenna SPECIFICATION

Antenna Manufacturer Name	Wistron
Address	Wistron Corporation (Hsichih office) 21F, 88, Sec. 1, Hsintai 5th Rd., Hsichih
P/N:	
Test DATE	2026/07/30
DATASHEET REVISION	00

Jessie Chien

Test Engineer: Jessie Chien

**ZEBRA**

Zebra Technologies Corporation

Description of Antenna 1

Frequency Range	MB
Impedance	50 Ω
Antenna type	PIFA Coupling
Manufacturing Process	LDS

Antenna Peak Gain:

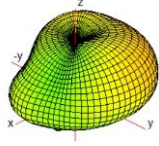
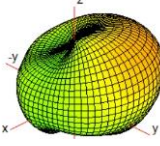
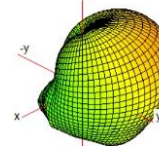
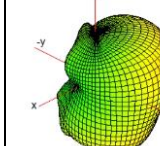
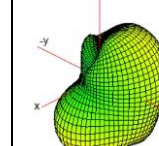
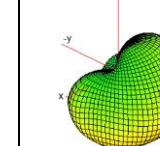
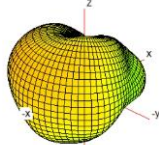
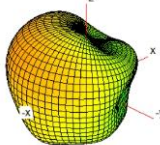
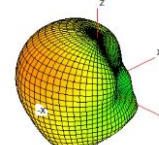
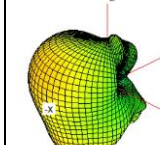
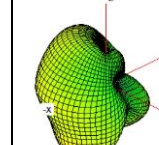
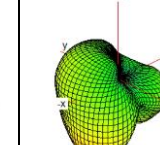
Seneca_Antenna Gain	
Auden GTS	
MHz	EV1
	Peak Gain
Ant.1	
1710	-3.5
1733	-3.2
1745	-2.8
1748	-3.3
1755	-3.3
1780	-3.1
1785	-3.0
1805	-2.9
1843	-2.8
1850	-3.1
1880	-2.9
1883	-2.8
1910	-2.6
1915	-2.7
1920	-3.0
1930	-3.1
1950	-3.3
1960	-3.4
1963	-3.5
1980	-3.4
1990	-3.4
1995	-3.8
2110	-5.3
2133	-5.5
2140	-5.7
2155	-6.1
2170	-5.5
2200	-5.2

Antenna Pattern:



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Ant1						
Frequency	1745MHz	1805MHz	1880MHz	1950MHz	2110MHz	2200MHz
3D Radiation Pattern						
						



Description of Antenna 2

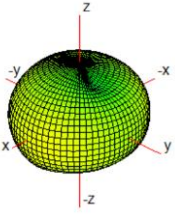
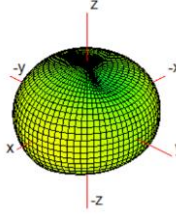
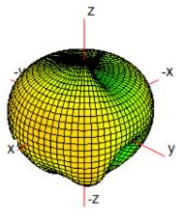
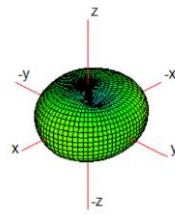
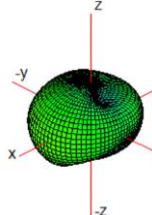
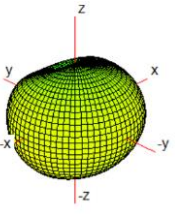
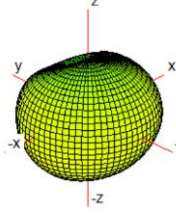
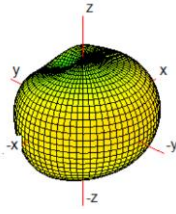
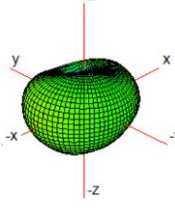
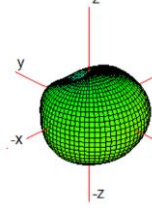
Frequency Range	LB, B32
Impedance	50 Ω
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

Seneca_Antenna Gain					
Auden GTS					
MHz	EV1				
	Peak Gain				
Ant2					
FS					
617	-4.5				
635	-4.5				
652	-3.9				
663	-3.8				
681	-3.7				
698	-3.4				
699	-3.5				
703	-3.3				
704	-3.3				
708	-3.3				
710	-3.4				
716	-3.7				
717	-3.7				
723	-3.7				
726	-3.8				
728	-3.9				
729	-3.9				
734	-3.9				
738	-4.0				
740	-4.0				
746	-3.8				
748	-3.8				
751	-3.9				
756	-4.1				
758	-4.1				
763	-4.3				
768	-4.5				
777	-5.0				
781	-5.0				
782	-5.0				

787	-5.0				
788	-5.0				
791	-5.0				
793	-5.1				
798	-5.4				
803	-5.8				
806	-6.0				
814	-5.6				
821	-5.7				
824	-5.8				
832	-5.9				
837	-6.6				
847	-6.7				
849	-7.0				
859	-7.2				
862	-7.4				
869	-6.9				
877	-6.4				
880	-6.4				
882	-6.4				
894	-6.3				
898	-6.3				
915	-6.3				
925	-6.8				
943	-7.3				
960	-7.9				
1452	-5.6				
1474	-6.0				
1496	-5.0				

Antenna Pattern:

Ant2					
Frequency	708MHz	723MHz	837MHz	847MHz	898MHz
3D Radiation Pattern					
					



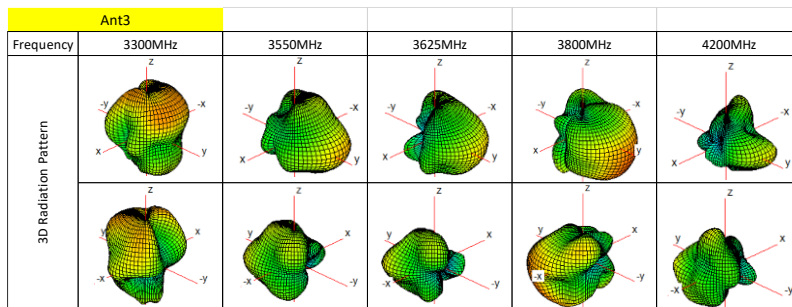
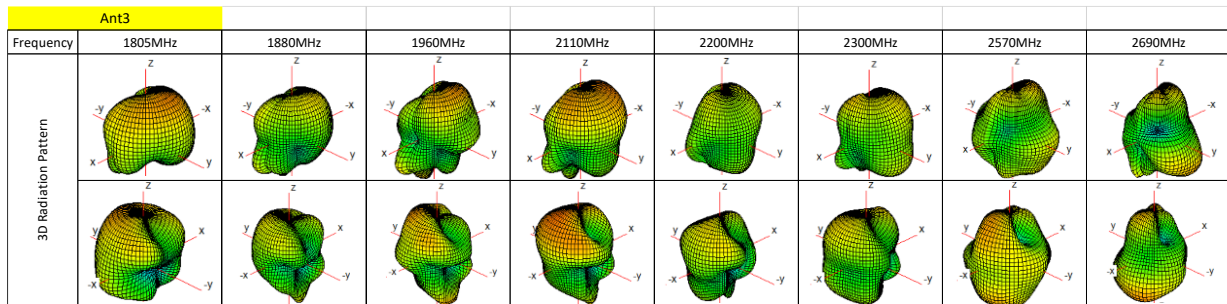
Description of Antenna 3

Frequency Range	MB, HB, UHB
Impedance	50 Ω
Antenna type	PIFA Coupling
Manufacturing Process	LDS

Antenna Peak Gain:

Seneca_Antenna Gain	
Auden GTS	
MHz	EV1
	Peak Gain
Ant.3	
1805	-4.1
1843	-4.0
1880	-3.6
1900	-3.6
1920	-3.7
1930	-3.7
1960	-3.7
1963	-3.8
1990	-3.5
1995	-3.6
2110	-1.9
2133	-2.5
2140	-2.9
2155	-4.2
2170	-5.1
2200	-4.8
2300	-4.1
2350	-4.2
2355	-4.3
2360	-4.5
2400	-4.4
2496	-3.7
2570	-3.9
2593	-3.8
2595	-3.8
2620	-3.5
2655	-2.6
2690	-2.2
3300	-2.8
3550	-4.3
3625	-4.0
3700	-2.6
3750	-2.0
3800	-1.7
4200	-4.9
4400	-3.9
4700	-5.5
5000	-4.0

Antenna Pattern:





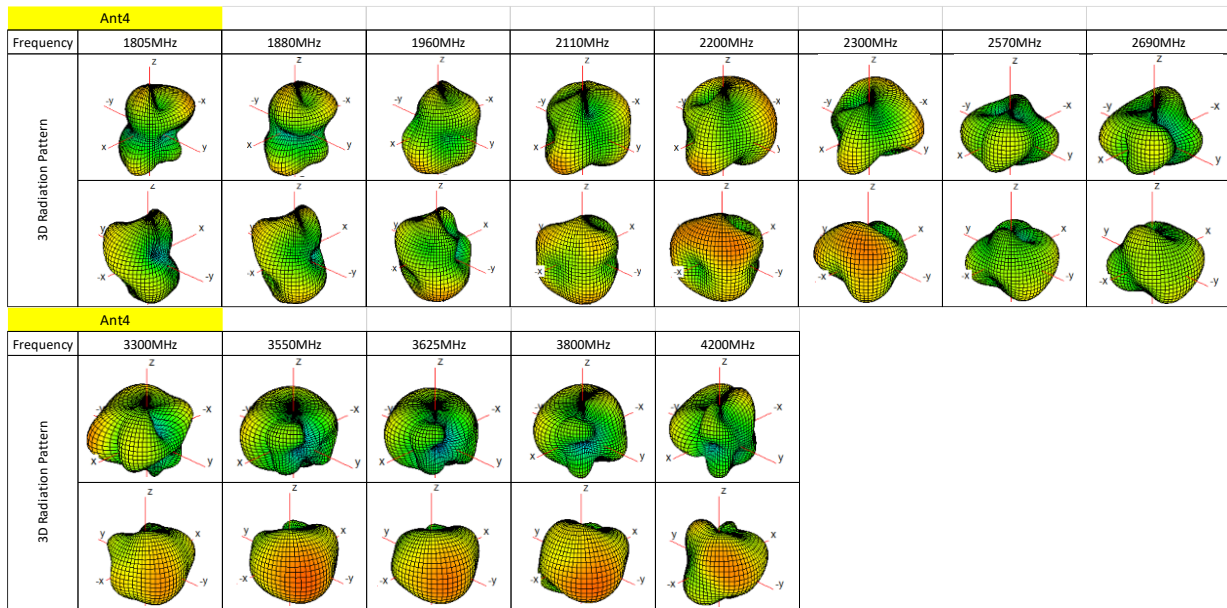
Description of Antenna 4

Frequency Range	MB, HB, UHB
Impedance	50 Ω
Antenna type	Monopole Coupling
Manufacturing Process	LDS

Antenna Peak Gain:

Seneca_Antenna Gain	
Auden GTS	
MHz	EV1
	Peak Gain
Ant.4	
1805	-4.9
1843	-5.1
1880	-4.7
1900	-4.5
1920	-3.3
1930	-3.0
1960	-2.9
1963	-3.0
1990	-3.0
1995	-3.0
2110	-3.2
2133	-3.5
2140	-3.7
2155	-4.3
2170	-4.3
2200	-3.8
2300	-2.2
2350	-3.2
2355	-3.5
2360	-3.7
2400	-4.8
2496	-4.5
2570	-5.8
2593	-4.9
2595	-4.9
2620	-4.1
2655	-3.6
2690	-3.4
3300	-4.2
3550	-3.2
3625	-1.2
3700	-2.6
3750	-1.6
3800	-0.8
4200	0.3
4400	-2.1
4700	-2.3
5000	-2.1

Antenna Pattern:





Description of Antenna 5

Frequency Range	MB, HB
Impedance	50 Ω
Antenna type	Monopole Coupling
Manufacturing Process	LDS

Antenna Peak Gain:

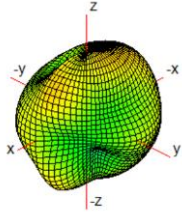
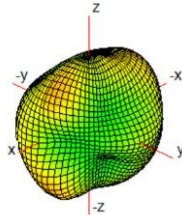
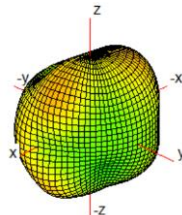
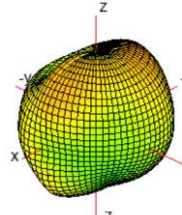
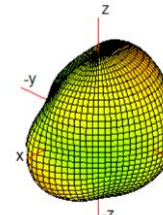
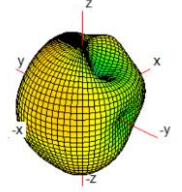
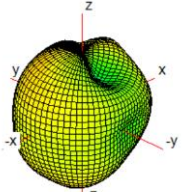
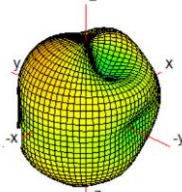
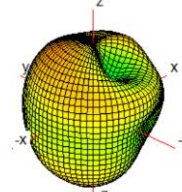
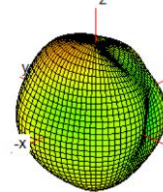
Seneca_Antenna Gain					
Auden GTS					
MHz	EV1				
	Peak Gain				
FS					
1710	-1.3				
1733	-1.2				
1745	-1.1				
1748	-1.1				
1755	-0.9				
1780	-1.1				
1785	-1.1				
1805	-1.5				
1843	-3.2				
1850	-2.9				
1880	-2.0				
1883	-2.0				
1900	-1.8				
1910	-1.6				
1915	-1.6				
1920	-1.7				
1930	-1.6				
1950	-1.1				
1960	-1.2				
1963	-1.2				
1980	-0.8				
1990	-0.8				
1995	-1.0				
2110	-0.3				
2133	-0.2				
2140	-0.2				
2155	-0.5				
2170	-0.8				
2200	-1.4				
2300	-2.4				
2305	-2.2				
2310	-2.3				
2315	-2.2				
2350	-2.9				
2355	-2.9				
2360	-3.3				
2400	-3.8				
2496	-0.5				
2500	-0.4				
2535	-0.3				
2570	-1.0				
2593	-0.8				
2595	-0.7				
2620	-1.1				
2655	-0.6				
2690	-0.8				

Antenna Pattern:



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Ant5					
Frequency	1745MHz	1805MHz	1880MHz	1960MHz	2110MHz
3D Radiation Pattern					
					



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:

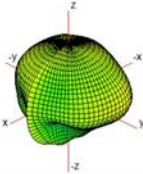
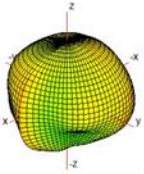
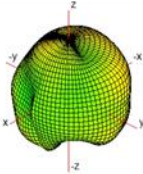
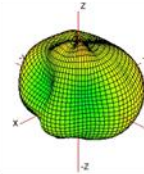
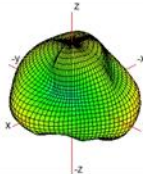
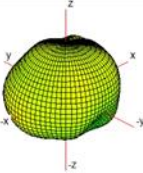
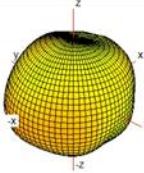
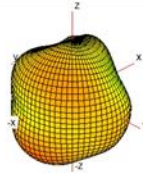
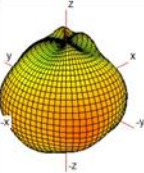
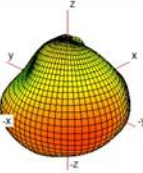
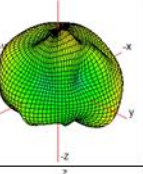
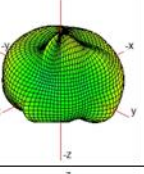
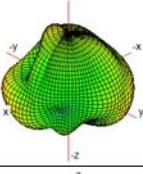
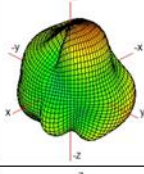
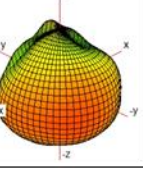
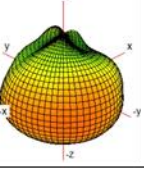
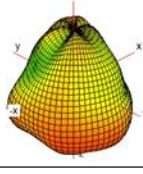
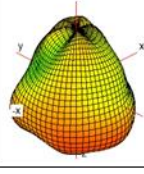
Seneca_Antenna Gain					
Auden GTS					
MHz	EV1				
	Peak Gain				
FS					
1425	-7.0				
1474	-6.1				
1496	-5.5				
1559	-2.0				
1575	-1.7				
1606	-1.5				
1610	-1.8				
2402	0.4				
2442	0.1				
2472	-0.3				
5180	-0.9				
5500	-0.1				
5825	0.5				
5925	-0.3				
6225	0.6				
6525	0.0				
6825	-0.9				
7125	-1.1				

Antenna Pattern:



Zebra Technologies Corporation

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Ant6					
Frequency	1474MHz	1575MHz	2442MHz	5180MHz	5500MHz
3D Radiation Pattern					
					
Frequency	5825MHz	5925MHz	6525MHz	7125MHz	
3D Radiation Pattern					
					

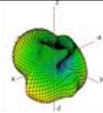
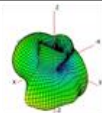
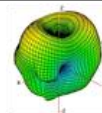
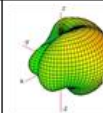
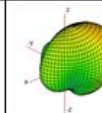
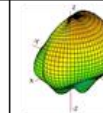
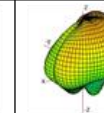
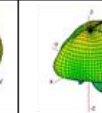
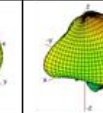
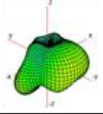
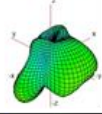
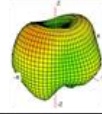
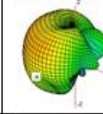
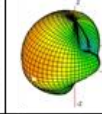
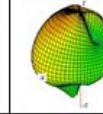
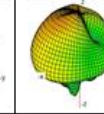
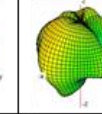
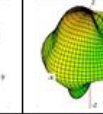
Description of Antenna 7

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

Antenna Peak Gain:

Seneca_Antenna Gain					
Auden GTS					
MHz	EV1				
	Peak Gain				
FS					
1176	-3.6				
1227	-4.4				
2402	-0.5				
2442	-0.6				
2472	-0.5				
5180	0.4				
5500	1.3				
5825	0.9				
5925	0.6				
6225	-0.3				
6525	-0.3				
6825	-0.6				
7125	-0.5				

Antenna Pattern:

Ant 7									
Frequency	1176MHz	1227MHz	2442MHz	5150MHz	5500MHz	5850MHz	5925MHz	6525MHz	7125MHz
3D Radiation Pattern									
									



Description of Antenna 8

Frequency Range	LB, HB, UHB
Impedance	50 Ω
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

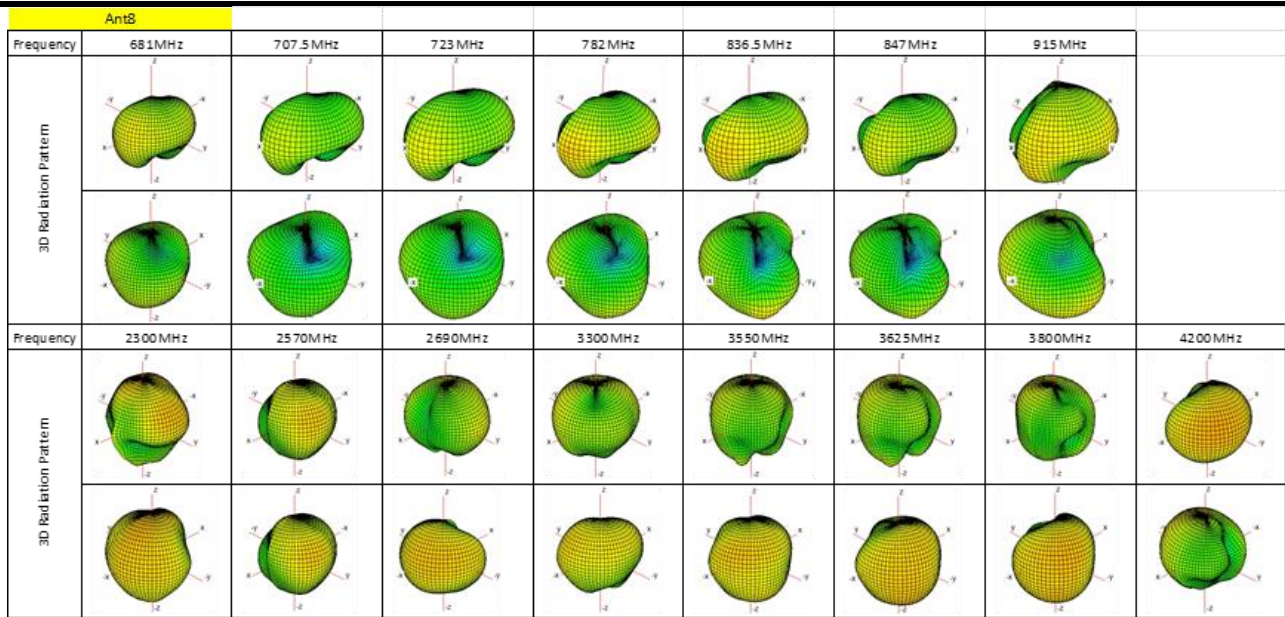
Seneca_Antenna Gain					
Auden GTS					
MHz	EV1				
	Peak Gain				
FS					
617	-11.4				
635	-9.6				
652	-7.6				
663	-6.5				
681	-4.9				
698	-4.1				
699	-4.2				
703	-2.9				
704	-2.8				
708	-2.4				
710	-2.3				
716	-2.5				
717	-2.5				
723	-2.1				
726	-2.2				
728	-2.0				
729	-2.1				
734	-2.1				
738	-2.3				
740	-2.4				
746	-2.6				
748	-1.9				
751	-2.0				
756	-2.2				
758	-2.3				
763	-2.6				
768	-2.4				
777	-3.1				
781	-3.5				
782	-3.4				
787	-3.8				
788	-3.9				
791	-3.8				
793	-3.6				
798	-3.2				
803	-2.9				
806	-2.9				
814	-2.6				
821	-2.4				
824	-2.5				
832	-1.5				
837	-1.8				
847	-1.4				
849	-1.5				
859	-1.6				
862	-1.8				
869	-1.5				
877	-2.1				
880	-3.2				
882	-3.0				
894	-1.4				
898	-1.3				
902	-0.9				
915	-0.4				
925	-0.9				
928	-1.2				
943	-2.5				
960	-5.0				
2305	-1.0				
2310	-0.6				
2315	-0.6				
2350	-0.8				
2355	-1.0				
2360	-1.2				
2400	-1.3				
2496	-1.0				
2500	-0.8				
2535	-0.6				
2570	0.1				
2593	-0.8				
2620	-1.4				
2655	-1.0				
2690	-0.7				
3300	-0.5				
3550	-1.4				
3625	-1.3				
3700	-1.3				
3750	-1.0				
3800	-1.1				
4200	0.5				
4400	0.3				
4700	0.9				
5000	-1.1				

Antenna Pattern:



ZEBRA

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Description of Antenna 8

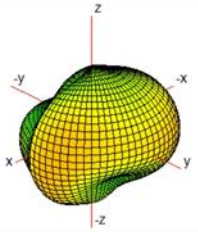
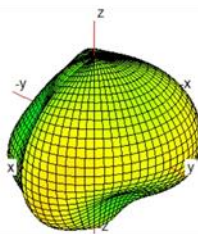
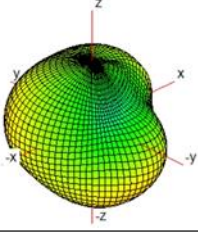
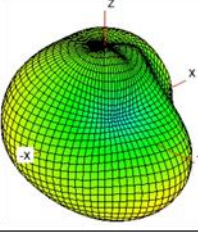
Frequency Range	866 MHz(EU), 915 MHz(US)
Impedance	50 Ω
Antenna type	PIFA
Manufacturing Process	LDS

Antenna Peak Gain:

Seneca_Antenna Gain					
Auden GTS					
MHz	EV1_RFID_EU				
	Peak Gain				
FS					
852	-1.5				
865	-1.6				
866	-1.8				
867	-1.5				
880	-3.2				

Seneca_Antenna Gain					
Auden GTS					
MHz	EV1_RFID_US				
	Peak Gain				
FS					
902	-0.9				
908	-1.0				
915	-0.4				
921	-0.7				
925	-0.9				
928	-1.2				

Antenna Pattern:

Ant8		
Frequency	866MHz	915MHz
3D Radiation Pattern		
		



Description of Antenna 9

Frequency Range	UHB
Impedance	50 Ω
Antenna type	Monopole
Manufacturing Process	LDS

Antenna Peak Gain:

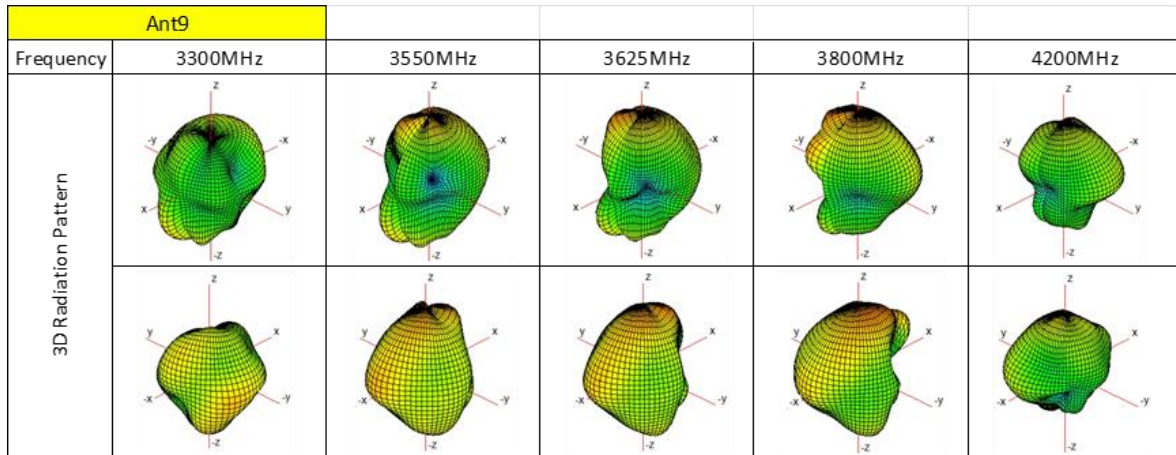
Seneca_Antenna Gain					
Auden GTS					
MHz	EV1				
	Peak Gain				
FS					
3300	-0.5				
3350	-1.0				
3400	-1.5				
3450	-1.3				
3500	-0.6				
3550	-1.0				
3551	-1.2				
3625	-1.2				
3700	-1.2				
3701	-1.2				
3750	-1.4				
3800	-1.4				
3980	-1.4				
4200	-1.7				
4400	-1.5				
4700	-1.5				
5000	-0.8				



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Antenna Pattern:





Test Environment, list of calibrated test equipment

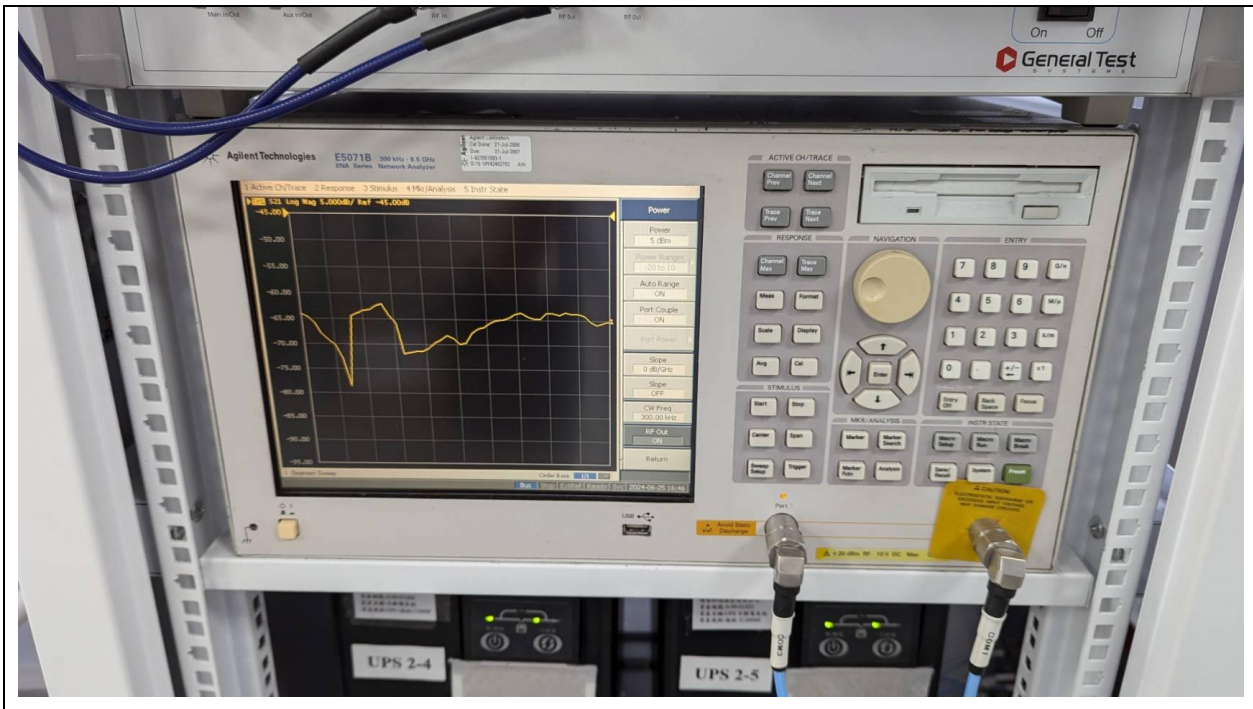
Test Equipment: GTS1800





Zebra Technologies Corporation

Test Environment: E5071B ENA Vector Network Analyzer



Last Calibration date: 2026/07/25
Next Calibration date: 2027/10/30