

ANTENNA SPECIFICATION

Product : Shark pin antenna

Model Name : 5WA.035.507.C 041

Date : 2020. 03. 25.

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1. Model Name

5WA.035.507.C 041

2. Antenna Type

- Shark pin Antenna

3. Electric Performance Data

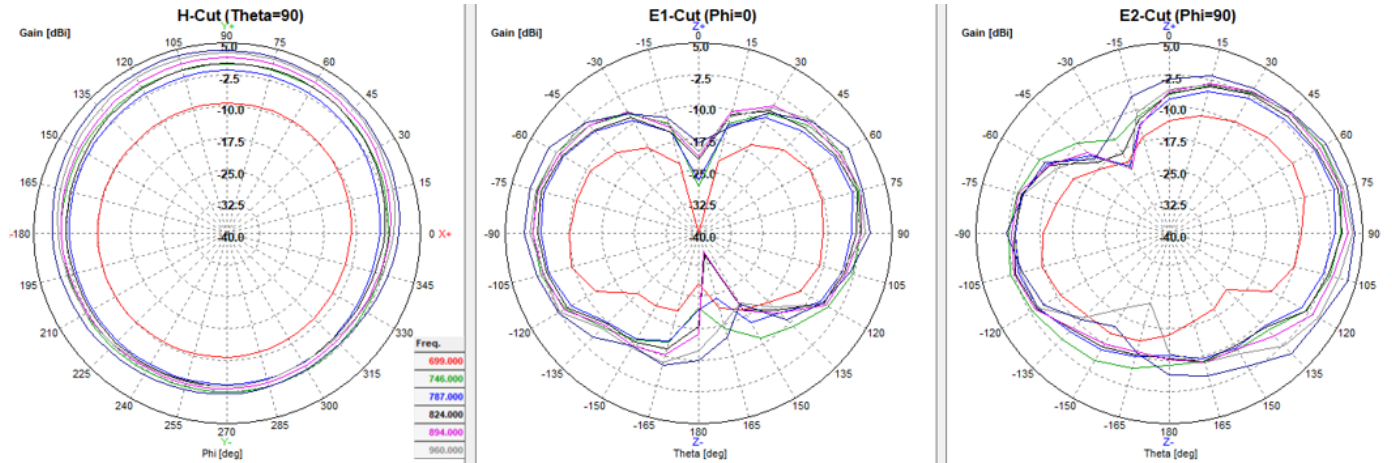
3.1 Specification Sheet

Electronic Specification									
Freq.[MHz]	Theta-Pol(H)			Phi-Pol(V)			PwrSum		
	Eff.[%]	Avg.[dBi]	Peak[dBi]	Eff.[%]	Avg.[dBi]	Peak[dBi]	Eff.[%]	Avg.[dBi]	Peak[dBi]
617	7.28	-11.38	-6.83	1.64	-17.85	-12.83	8.92	-10.5	-6.82
699	50.86	-2.94	1.29	7.41	-11.3	-6.78	58.27	-2.35	1.32
746	33.47	-4.75	-0.37	4.62	-13.36	-8.11	38.08	-4.19	-0.33
787	39.49	-4.04	0.63	5.4	-12.67	-7.19	44.89	-3.48	0.64
824	49.11	-3.09	1.47	7.85	-11.05	-5.92	56.96	-2.44	1.49
894	54.65	-2.62	2.7	10.03	-9.99	-4.97	64.68	-1.89	2.74
960	71.1	-1.48	3.41	17.31	-7.62	-3.04	88.41	-0.53	3.43
1427	20.81	-6.82	-0.07	32.19	-4.92	-1.09	53.01	-2.76	0.14
1510	18.69	-7.28	-0.18	31.08	-5.08	-0.6	49.77	-3.03	0.34
1550	17.52	-7.56	-0.85	19.62	-7.07	-2.06	37.14	-4.3	-0.36
1575	18.6	-7.31	-1.33	28.28	-5.49	-0.66	46.87	-3.29	-0.41
1710	19.69	-7.06	-0.42	28.28	-5.48	-1.04	47.97	-3.19	-0.2
1850	19.09	-7.19	0.1	31.98	-4.95	0.04	51.07	-2.92	0.53
1920	15.45	-8.11	0.42	41.01	-3.87	0.86	56.47	-2.48	1.04
1990	17.55	-7.56	0.56	34.99	-4.56	0.25	52.54	-2.8	1.03
2170	13.9	-8.57	-0.83	25.49	-5.94	-0.63	39.39	-4.05	-0.44
2500	11.26	-9.48	-0.88	20.25	-6.94	-1.58	31.51	-5.02	-0.49
2690	11.78	-9.29	-0.95	20.46	-6.89	-0.26	32.25	-4.92	-0.07

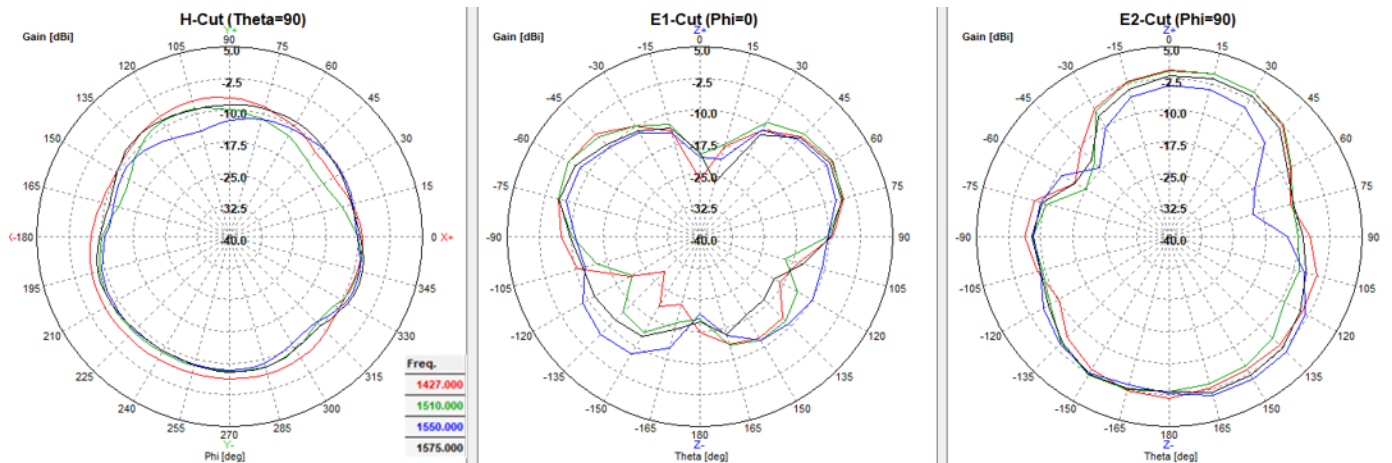
3.2 Radiation Pattern

3.2.1 H-PLANE

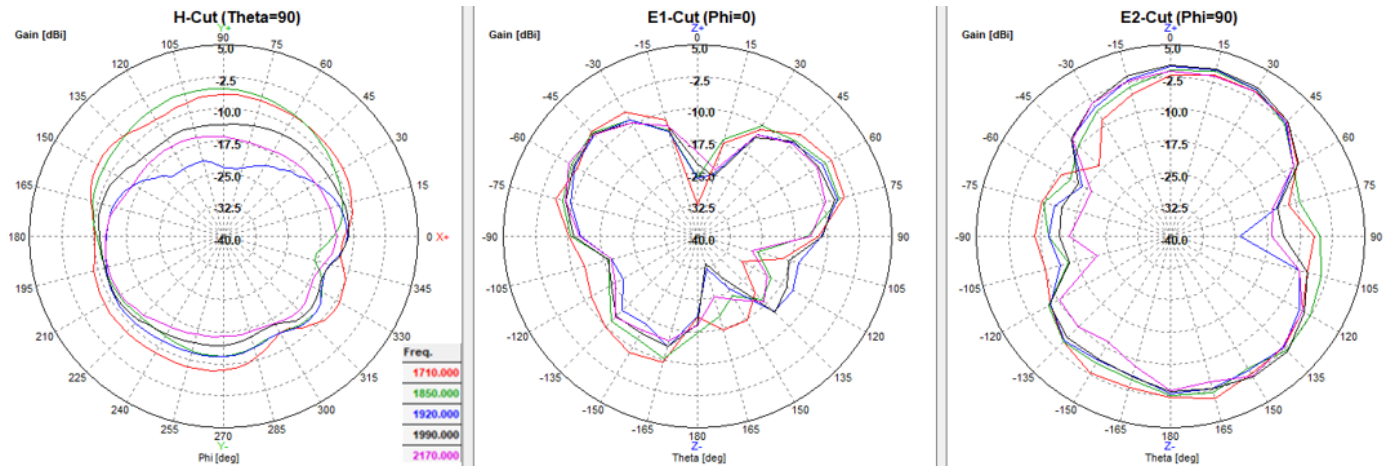
1. 699Mhz ~ 960Mhz



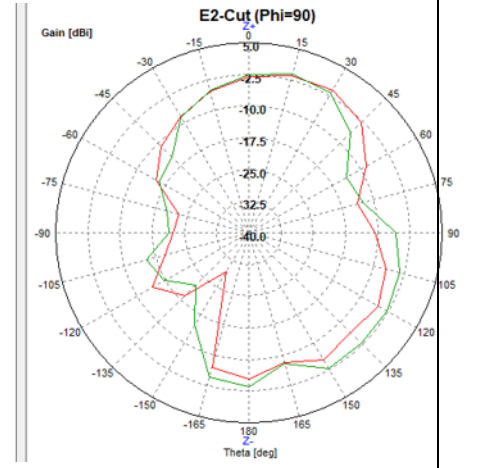
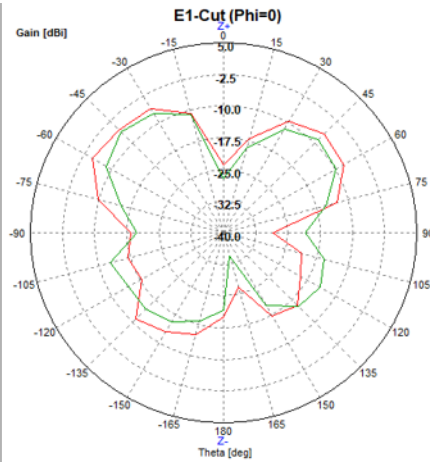
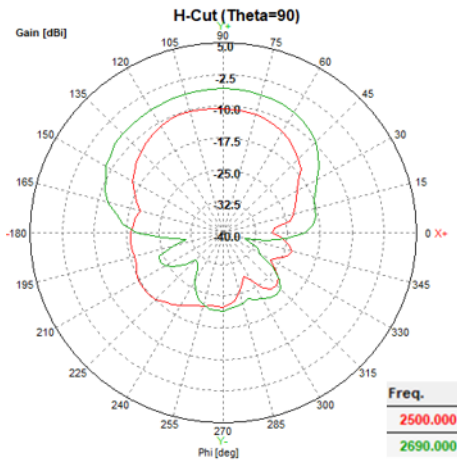
2. 1427Mhz ~ 1575Mhz



3. 1710Mhz ~ 2170Mhz

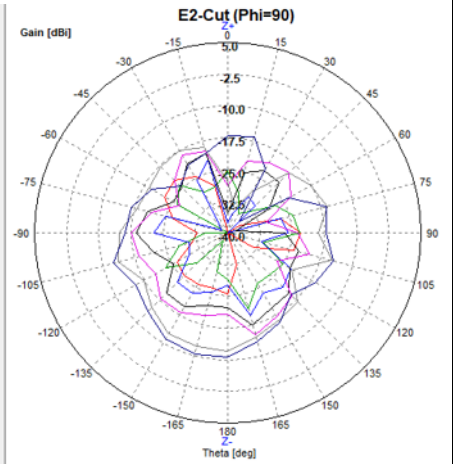
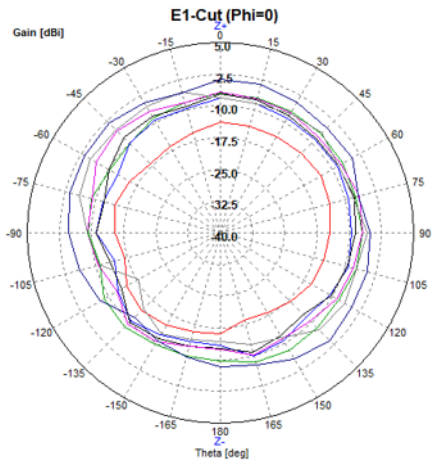
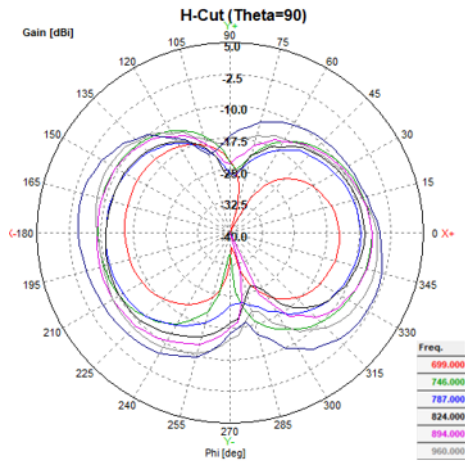


4. 2500Mhz ~ 2690Mhz

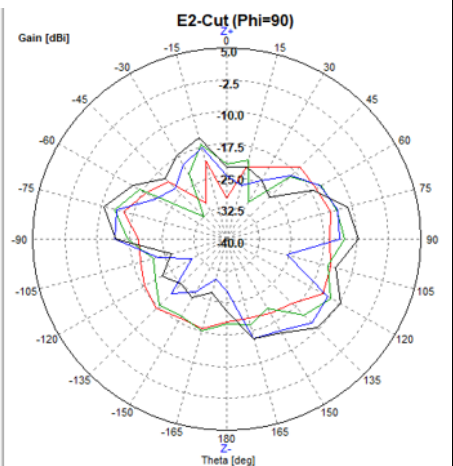
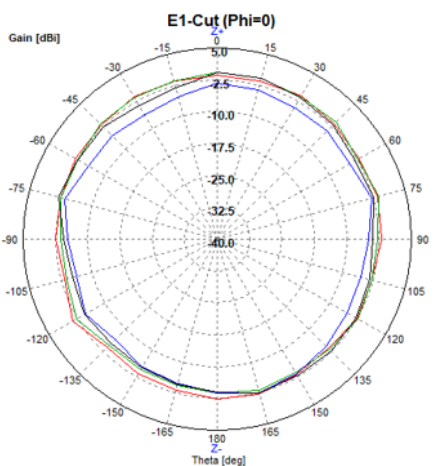
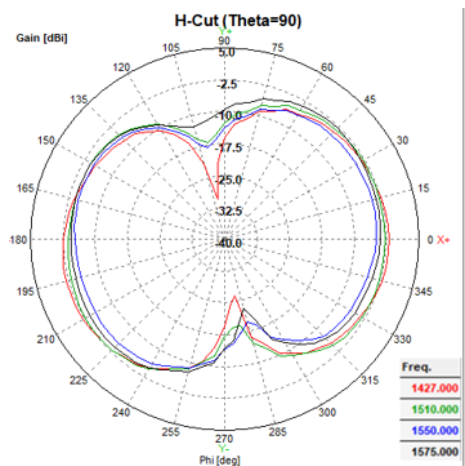


3.2.2 V-PLANE

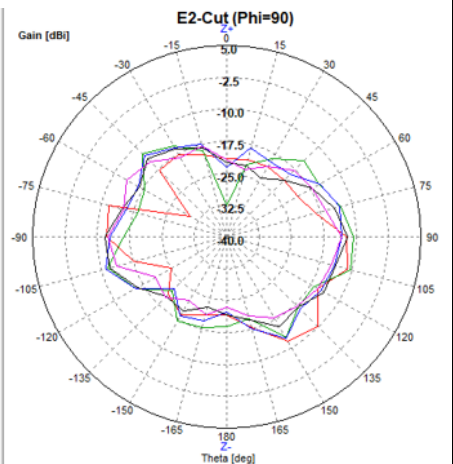
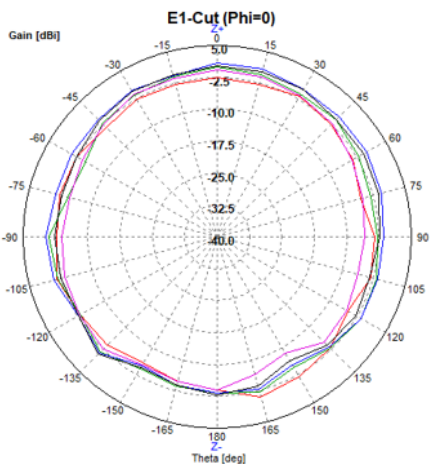
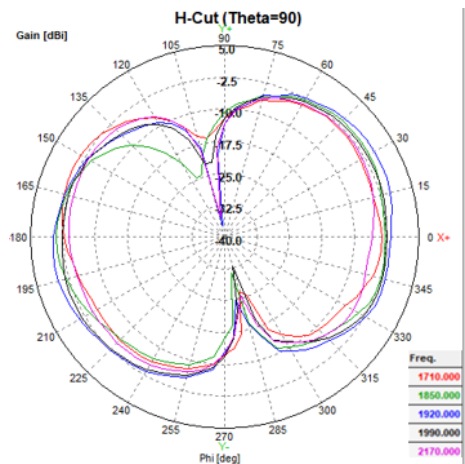
1. 699MHz ~ 960MHz



2. 1427MHz ~ 1575MHz



3. 1710MHz ~ 2170MHz



4.2500Mhz ~ 2690Mhz

