

# **ANTENNA SPECIFICATION**

**Product : Shark pin antenna**

**Model Name : 5WA.035.507 B 041**

**Date : 2019. 1. 14.**

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## 1. Model Name

5WA.035.507 B 041

## 2. Antenna Type

- Shark pin Antenna

## 3. Electric Performance Data

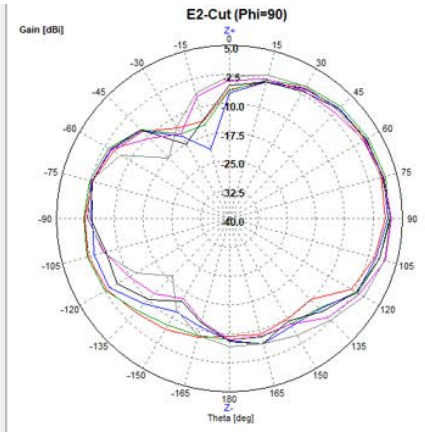
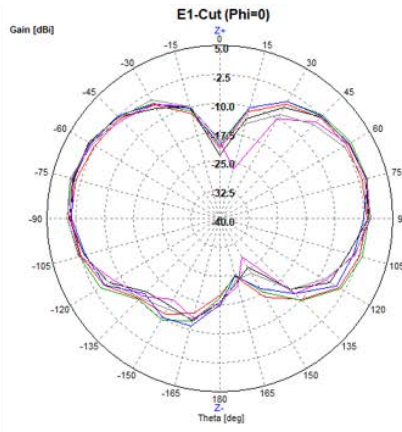
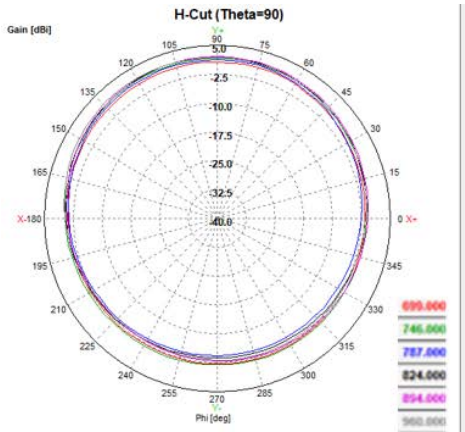
### 3.1 Specification Sheet

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	13.39	-8.73	-3.63	5.96	-12.25	-7.2	19.35	-7.13	-3.44
703	51.89	-2.85	1	9.1	-10.41	-5.87	60.99	-2.15	1.02
746	63.42	-1.98	1.95	9.11	-10.41	-5.08	72.53	-1.39	1.98
787	52.73	-2.78	1.63	9.41	-10.26	-5.78	62.14	-2.07	1.68
834	51.77	-2.86	1.91	11.03	-9.57	-5.47	62.8	-2.02	1.94
894	53.56	-2.71	2.04	12.1	-9.17	-3.38	65.67	-1.83	2.12
960	54.56	-2.63	2	16.42	-7.85	-1.77	70.99	-1.49	2.08
1510	15.97	-7.97	-1.55	29.59	-5.29	-0.72	45.55	-3.41	0.33
1550	21.14	-6.75	0.63	28.68	-5.42	-0.79	49.83	-3.03	0.71
1575	17.48	-7.58	-0.72	30.73	-5.12	-0.73	48.21	-3.17	0.69
1710	28.18	-5.5	2.21	47	-3.28	0.7	75.18	-1.24	2.38
1850	26.49	-5.77	1.85	46.3	-3.34	2.11	72.79	-1.38	2.85
1920	21.15	-6.75	1.04	39.37	-4.05	1.04	60.53	-2.18	1.61
1990	19.71	-7.05	0.33	37.24	-4.29	0.32	56.95	-2.44	1.89
2170	23.2	-6.34	2.55	40.47	-3.93	0.91	63.67	-1.96	2.62
2300	19.95	-7	1.79	37.17	-4.3	1.13	57.12	-2.43	1.88
2360	18.75	-7.27	1.6	36.48	-4.38	0.96	55.23	-2.58	2.1
2500	18.06	-7.43	1.18	33.13	-4.8	0.52	51.19	-2.91	1.7
2690	14.63	-8.35	1.58	29.97	-5.23	1.03	44.59	-3.51	1.77

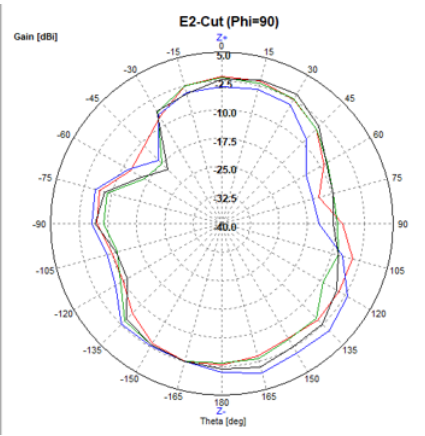
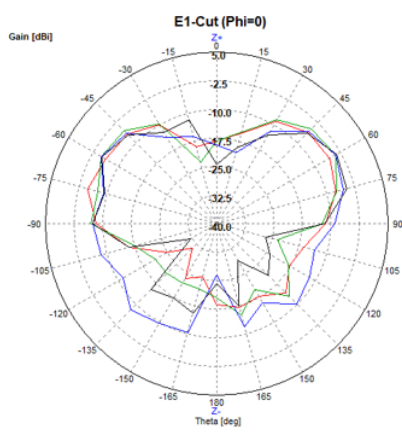
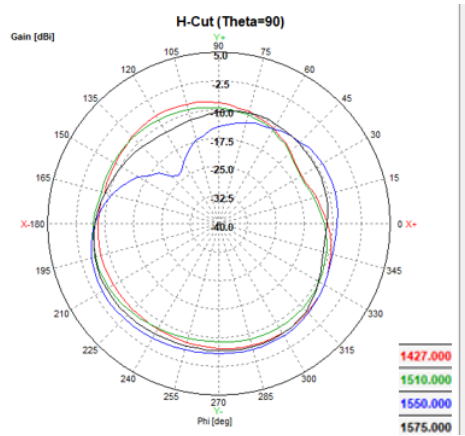
## 3.2 Radiation Pattern

### 3.2.1 H-PLANE

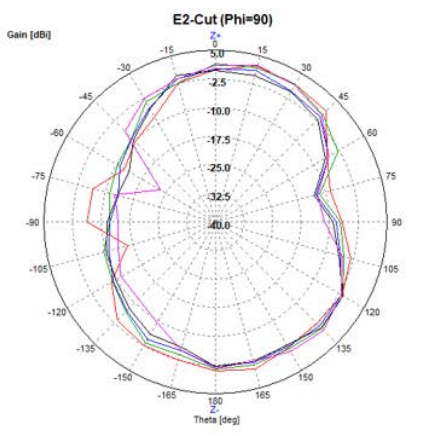
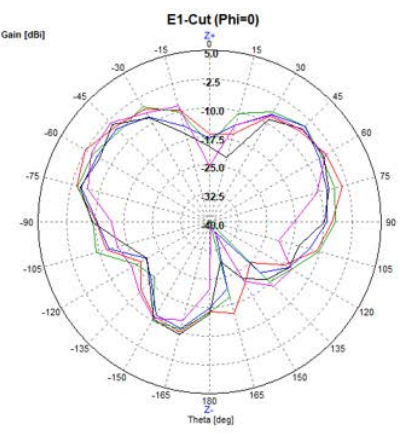
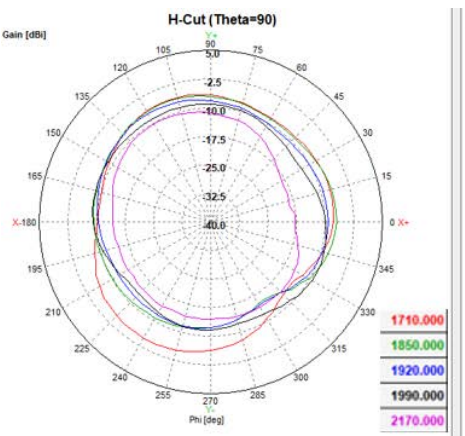
#### 1. 617Mhz ~ 960Mhz



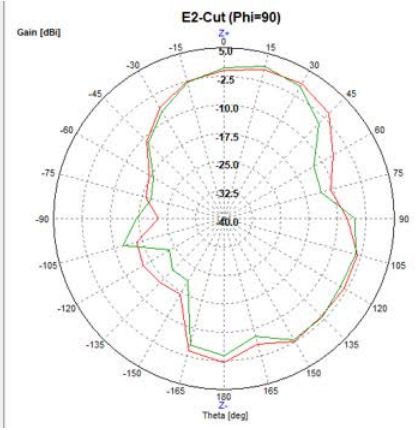
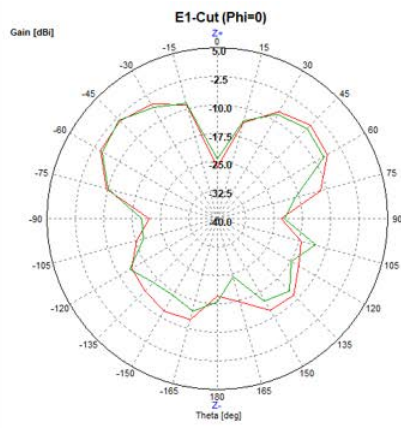
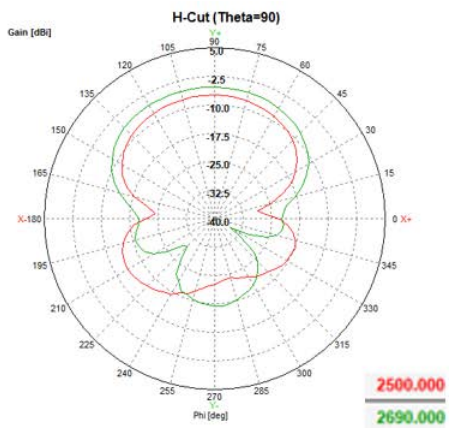
#### 2. 1427Mhz ~ 1575Mhz



#### 3. 1710Mhz ~ 2170Mhz

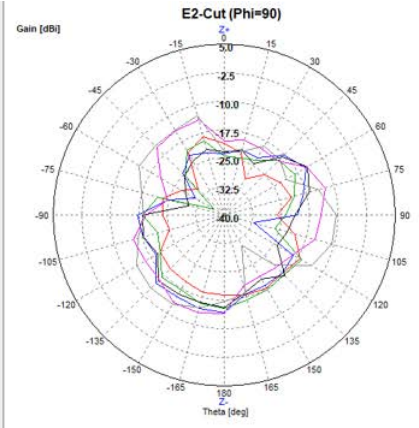
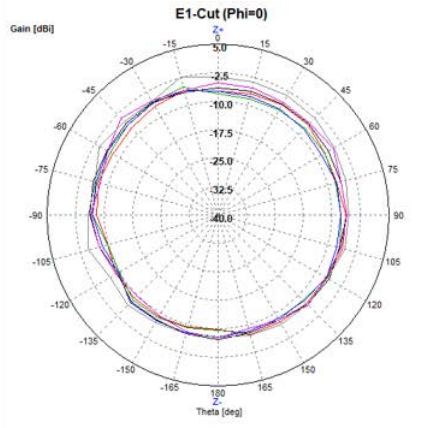
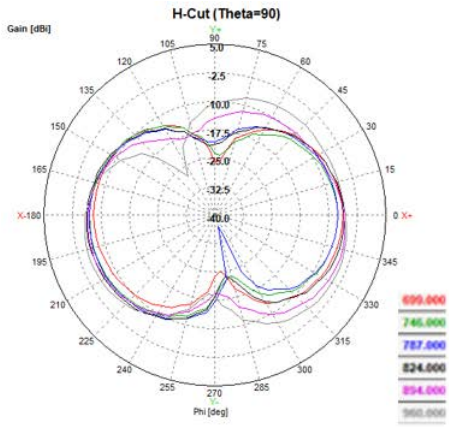


#### 4. 2500Mhz ~ 2900Mhz

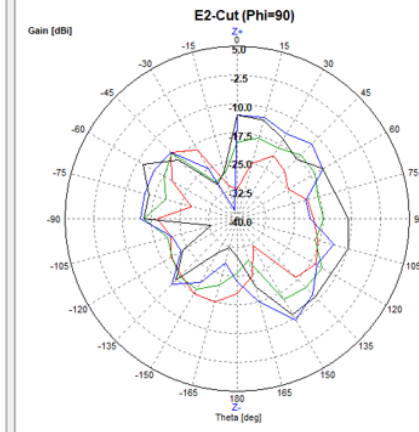
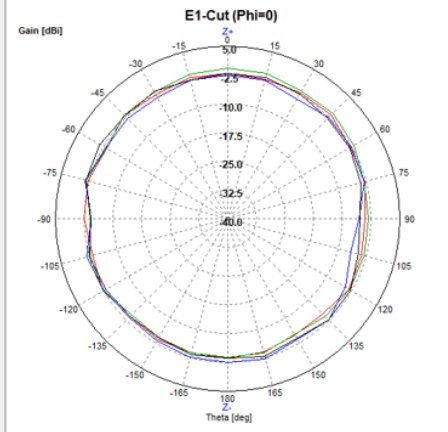
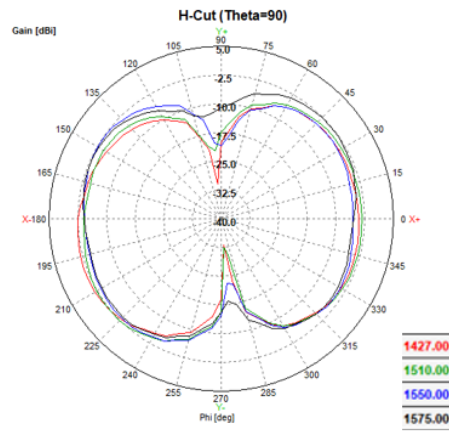


## 3.2.2 V-PLANE

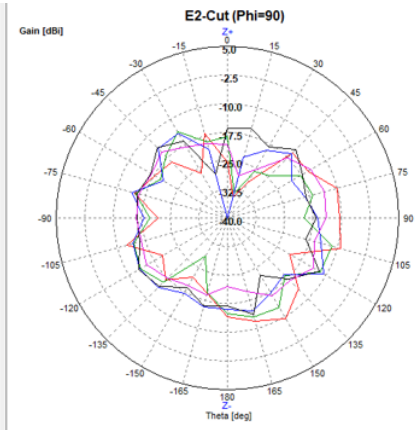
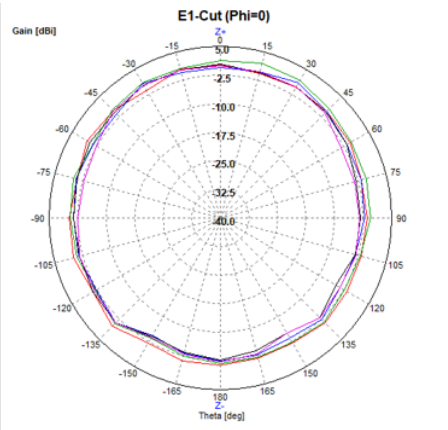
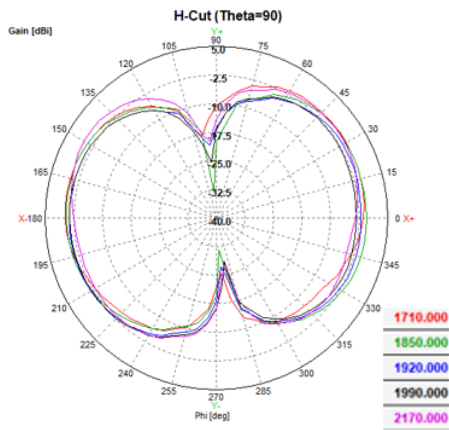
### 1. 617Mhz ~ 960Mhz



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