

**Lampiran. Data Hasil Optimasi Antena Mikrostrip Array 2x2 dengan Aperture Coupled Feed**

Dimensi Antena (mm)					RL (dB)	BW (MHz)	VSWR	fr (GHz)	Gain (dB)
A	LS	WS	LA	WA					
5.3	21	21	0.8	8	-23,81	1077.9	1.13	5.77	6.35
5.34	21	21	0.8	8	-24.61	1048.4	1.12	5.75	6.42
5.37	21	21	0.8	8	-25,33	1028.6	1.11	5.74	6.46
5.4	21	21	0.8	8	-26,42	1012.3	1.1	5.73	6.5
5.43	21	21	0.8	8	-27,89	993.2	1.08	5.71	6.53
5.46	21	21	0.8	8	-29,37	978.4	1.07	5.69	6.56
5.31	21.5	21.5	1	7	-27,8	1125.3	1.08	5.35	4.6
5.34	21.5	21.5	1	7	-26,55	1110.2	1.09	5.52	4.8
5.37	21.5	21.5	1	7	-25,65	1100.6	1.11	5.51	4.9
5.4	21.5	21.5	1	7	-24,97	1087	1.11	5.5	5.13
5.43	21.5	21.5	1	7	-25,78	1074.8	1.1	6.04	5.3
5.46	21.5	21.5	1	7	-26,79	1062.2	1.09	6.02	5.48
5.31	21	21	1	7.5	-22,64	1138.1	1.15	5.46	6.09
5.34	21	21	1	7.5	-23,37	1119.7	1.14	5.87	6.22
5.37	21	21	1	7.5	-24,48	1098.6	1.12	5.85	6.33
5.4	21	21	1	7.5	-25,23	1082.6	1.11	5.83	6.41
5.43	21	21	1	7.5	-26,5	1065.8	1.09	5.82	6.5
5.31	21.5	21.5	1	7.5	-25,51	1126	1.11	5.45	6.13
5.34	21.5	21.5	1	7.5	-24,59	1110.3	1.13	5.44	6.24
5.37	21.5	21.5	1	7.5	-24,31	1091	1.15	5.85	6.36
5.4	21.5	21.5	1	7.5	-25,67	1074.9	1.1	5.83	6.47
<b>5.43</b>	<b>21.5</b>	<b>21.5</b>	<b>1</b>	<b>7.5</b>	<b>-26,35</b>	<b>1061</b>	<b>1.1</b>	<b>5.82</b>	<b>6.54</b>
5.4	21.5	21.5	1	8	-26,33	997.7	1.1	5.64	6.44
5.43	21.5	21.5	1	8	-27,43	984.4	1.08	6.62	6.48

Keterangan:

**A** : Jari-jari *patch* Antena (mm)

**LS** : Panjang Substrat (mm)

**WS** : Lebar Substrat (mm)

**LA** : Panjang *Slot Aperture* (mm)

**WA** : Lebar *Slot Aperture* (mm)