



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-2TX (EUT 2)

Appendix H

Θ(22.5°)	3.92/6.35	2.99/2.08	0.94/0.11	1.11/2.5	3.39/4.03	4.44/5.1	4.54/4.37	3.96/3.33	2.46/1.31	0.64/1.48	2.59/3.33	3.7/3.66	3.49/3.24	2.99/2.5	1.68/1.14	1.69/2.5	3.35/4.04	4.58/4.73	4.62/4.31	3.72/2.87	1.76/0.66	0.97/2.2	3.17/3.8	4.11/4.09
Θ(30°)	3.34/3.03	2.54/1.85	0.81/-0.05	0.56/2.14	3.25/3.8	3.93/3.95	3.81/3.36	2.84/2.29	1.59/0.71	0.33/1	1.92/48	2.56/2.28	2.01/1.99	2.17/2.12	1.53/0.72	0.47/0.75	1.55/2.39	3.18/3.85	4.31/4.35	3.97/3.24	2.09/0.91	0.02/1.02	2.38/3.3	3.66/3.53
Θ(132.5°)	1.82/1.62	1.56/1.36	0.65/-0.27	-0.08/1.24	2.27/3.01	3.43/3.51	3.23/2.67	1.84/0.99	0.4/-															



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-2TX (EUT 2)

Appendix H

Θ (75°)	-6.07/-6.89	-6.07/-6.23	-4.92/-3.9	-3.62/-3.4	-3.35/-3.46	-2.82/-2.52	-4.03/-5.69	-4.71/-4.01	-2.57/-3.45	-2.05/-0.77	-1.3/-2.62	-2.63/-2.32	-1.58/-2.89	-1.4/-0.99	-1.9/-2.58	-2.37/-1.7	-1.99/-3.55	-5.5/-5.11	-4.9/-3.15	-2.18/-1.17	-2.3/-2.77	-3.58/-3.69	-3.92/-3.73	-5.81/-6.03
Θ (82.5°)	-7.3/-7.75	-7.37/-7.55	-5.68/-5.03	-4.72/-4.49	-4.88/-5.27	-4.79/-4.13	-4.99/-6.47	-5.64/-5.46	-3.86/-4.61	-3.37/-3.18	-3.41/-4.53	-3.54/-4.1	-2.98/-4.37	-2.46/-2.37	-3.97/-3.44	-2.83/-1.88	-2.12/-3.65	-5.51/-4.97	-5.15/-3.15	-2.37/-1.35	-2.83/-4.67	-5.27/-4.56	-5.63/-5.36	-7.69/-7.23
Θ (90°)	-8.78/-8.86	-9.32/-9.85	-7.49/-6.84	-6.27/-5.66	-6.37/-6.83	-6.95/-5.64	-6.05/-7.63	-7.09/-7.24	-5.97/-6.45	-5.13/-5.45	-5.32/-6.05	-4.17/-4.												



Sporton International Inc. Hsinchu Laboratory



Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	6.7	4.23	4.64	6.01	5.66
Ant. 2 Max Gain (dBi)	6.96	5.45	5.05	5.73	5.61
Ant. 3 Max Gain (dBi)	6.72	6.52	5.7	6.41	5.67
Ant. 4 Max Gain (dBi)	6.96	4.06	4.21	4.45	5.47
Ant. 1 Polarization/ $\theta(^{\circ})/\Phi(^{\circ})$	Phi/22.5/60	Phi/15/30	Phi/15/45	Phi/15/45	Theta/0/307.5
Ant. 2 Polarization/ $\theta(^{\circ})/\Phi(^{\circ})$	Phi/30/112.5	Phi/15/315	Phi/15/307.5	Phi/15/322.5	Phi/7.5/307.5
Ant. 3 Polarization/ $\theta(^{\circ})/\Phi(^{\circ})$	Phi/22.5/37.5	Theta/15/307.5	Theta/0/142.5	Phi/7.5/52.5	Phi/7.5/45
Ant. 4 Polarization/ $\theta(^{\circ})/\Phi(^{\circ})$	Theta/30/187.5	Phi/0/307.5	Theta/22.5/45	Theta/7.5/232.5	Theta/7.5/45
Max Gain (dBi)	6.96	6.52	5.7	6.41	5.67
DG [1SS] (dBi)	10.12	8.28	8.25	9.02	8.63
DG [2SS] (dBi)	7.12	6.52	5.7	6.41	5.67
DG [4SS] (dBi)	6.96	6.52	5.7	6.41	5.67



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 2)

Appendix I

Θ (75°)	-1.19/-1.33	-1.35/-0.82	0.26/0.27	0.26/-0.07	-0.5/-0.23	0.78/0.55	-0.72/-0.92	-0.36/-0.64	0.45/0.13	0.66/1.32	0.84/-0.3	-0.5/0.01	0.3/-0.21	1.04/1.2	0.74/1.06	1.16/1.13	0.84/0.37	-0.5/-0.83	-1.63/-0.8	-0.59/0.34	0.04/-0.19	-0.62/-0.49	0.64/0.82	-0.5/-0.83
Θ (82.5°)	-2.25/-2.57	-2.65/-2.16	-0.89/-1.07	-0.84/-1.32	-1.99/-1.39	-0.81/-1.05	-1.88/-1.92	-1.72/-1.71	-0.4/-0.78	-0.56/-0.48	-1.07/-2.06	-1.39/-1.69	-1.16/-1.82	-0.11/-0.01	-0.75/0.15	0.2/0.21	0.4/0.4	-0.14/-0.48	-1.61/-0.94	-0.71/0.25	-0.3/-1.27	-1.92/-1.61	-1.06/-0.75	-1.96/-1.93
Θ (90°)	-4.05/-4.01	-4.38/-4.27	-2.86/-2.79	-2.54/-2.46	-3.5/-2.93	-2.91/-2.76	-3.2/-3.73	-3.66/-3.71	-2.29/-2.36	-2.2/-2.31	-2.9/-3.6	-2/-2.92	-2.6/-2.94	-2.1										





Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 2)

Appendix I

Θ(7.5°)	2.04/0.77	-0.78/-3.02	-6.33/-12.15	-17.75/-10.19	-5.28/-2.39	-0.38/1.11	2.22/3.09	3.74/4.16	4.51/4.65	4.64/4.55	4.27/3.93	3.39/2.71	1.76/0.41	-1.19/-3.66	-7.33/-12.99	-18.9/-11.17	-6/-2.73	-0.53/1.08	2.31/3.35	4.14/4.54	4.82/5.06	5.08/4.97	4.78/4.38	3.88/3.13
Θ(15°)	1.73/0.51	-1.23/-3.86	-8.11/-16.41	-17.79/-9.44	-5.18/-2.35	-0.38/1.1	2.18/2.94	3.48/3.85	4.4/0.8	3.96/3.75	3.47/3.28	2.93/2.37	1.54/0.2	-1.76/-4.74	-9.07/-16.26	-14.22/-7.94	-4.03/-1.5	0.28/1.59	2.62/3.26	3.79/3.85	4.12/4.29	4.36/4.44	4.35/4.14	3.59/2.76
Θ(22.5°)	1.59/0.36	-1.45/-4.04	-8/-16.13	-18.73/-9.08	-4.6/-2.02	-0.52/0.68	1.76/2.82	3.63/4.11	4.37/4.35	4.08/3.6	3.32/3.13	2.78												



Freq(Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	6.21	5.73	7.11	6.39
Ant. 2 Max Gain (dBi)	4.56	4.46	5.7	6.19
Ant. 1 Polarization/Θ(°)/Φ(°)	Theta/15/330	Theta/15/345	Theta/15/150	Theta/0/337.5
Ant. 2 Polarization/Θ(°)/Φ(°)	Theta/7.5/225	Phi/7.5/300	Theta/15/37.5	Phi/15/142.5
Max Gain (dBi)	6.21	5.73	7.11	6.39
DG [1SS] (dBi)	6.68	6.22	6.84	6.88
DG [1SS] (dBi) Revised	6.68	6.22	7.11	6.88
DG [2SS] (dBi)	6.21	5.73	7.11	6.39





Freq(Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	6.21	5.73	7.11	6.39
Ant. 2 Max Gain (dBi)	4.56	4.46	5.7	6.19
Ant. 3 Max Gain (dBi)	5.8	5.89	7.2	6.62
Ant. 4 Max Gain (dBi)	3.9	4.02	5.38	5.11
Ant. 1 Polarization/ $\theta(^{\circ})/\Phi(^{\circ})$	Theta/15/330	Theta/15/345	Theta/15/150	Theta/0/337.5
Ant. 2 Polarization/ $\theta(^{\circ})/\Phi(^{\circ})$	Theta/7.5/225	Phi/7.5/300	Theta/15/37.5	Phi/15/142.5
Ant. 3 Polarization/ $\theta(^{\circ})/\Phi(^{\circ})$	Theta/0/330	Theta/7.5/150	Theta/0/322.5	Theta/0/330
Ant. 4 Polarization/ $\theta(^{\circ})/\Phi(^{\circ})$	Phi/22.5/135	Theta/15/60	Theta/15/60	Phi/0/330
Max Gain (dBi)	6.21	5.89	7.2	6.62
DG [1SS] (dBi)	8.67	8.73	9.22	9.47
DG [2SS] (dBi)	6.21	5.89	7.2	6.62
DG [4SS] (dBi)	6.21	5.89	7.2	6.62





