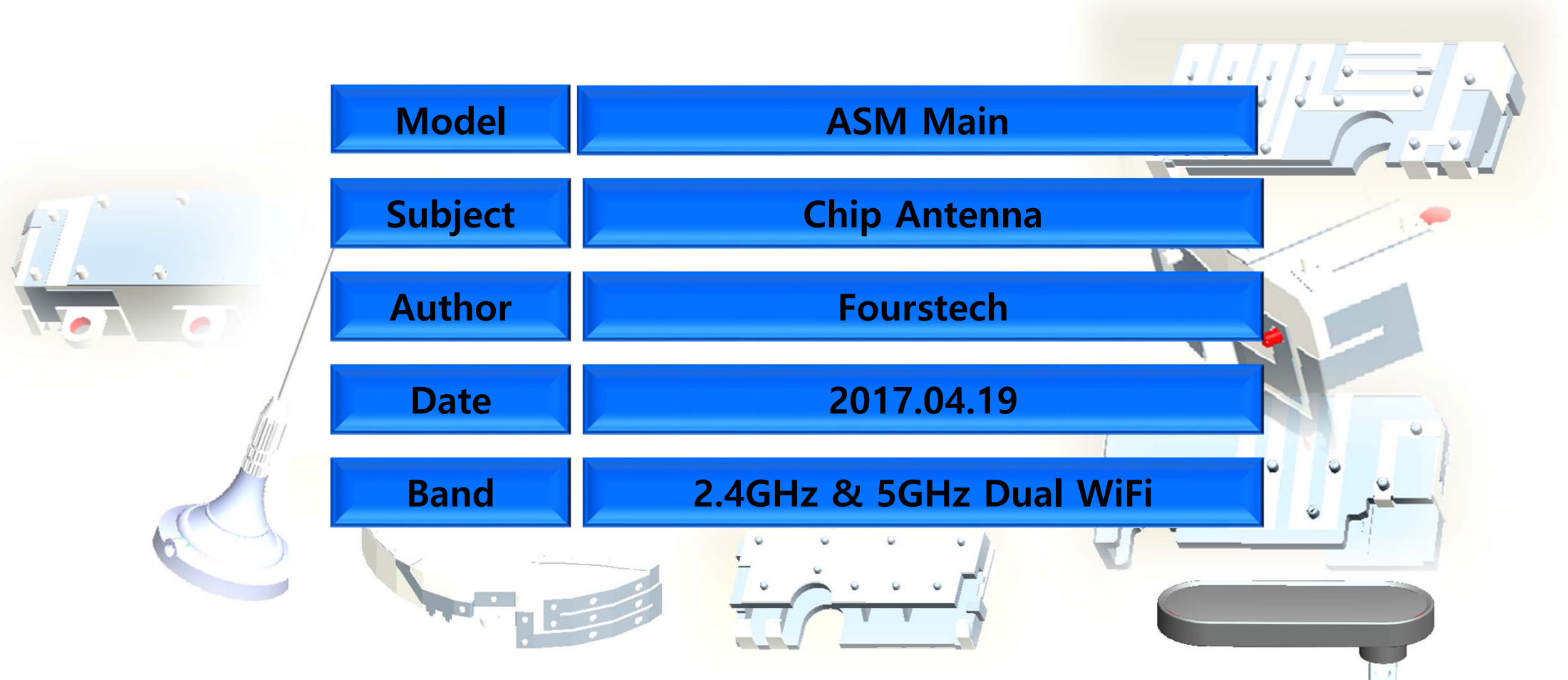


ANTENNA REPORT

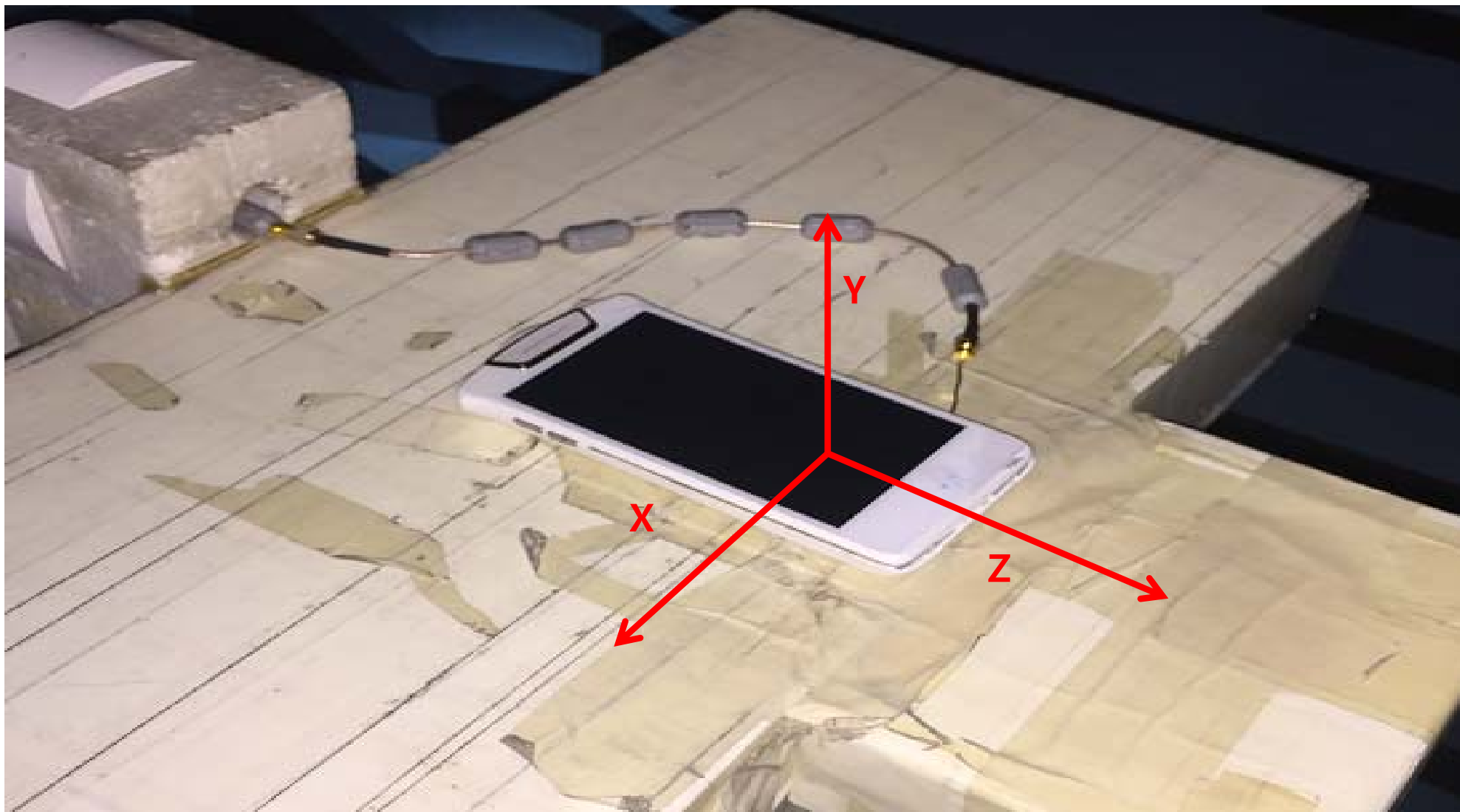


Model	ASM Main
Subject	Chip Antenna
Author	Fourstech
Date	2017.04.19
Band	2.4GHz & 5GHz Dual WiFi

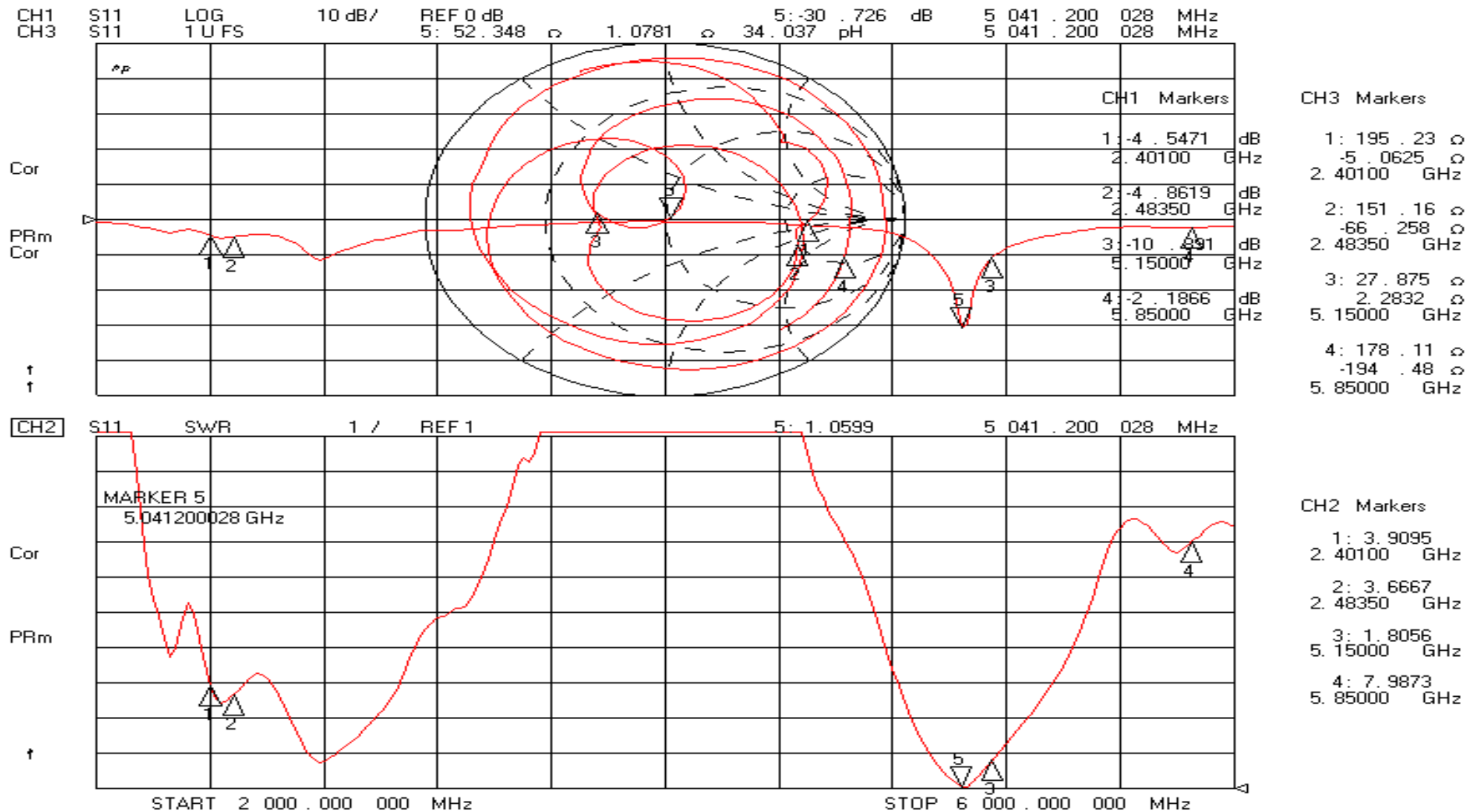
Contents

1. ASM Main – Test Condition
2. ASM Main Dual WiFi – VSWR
3. ASM Main Dual WiFi - Gain Data

4. ASM Main – Test Condition



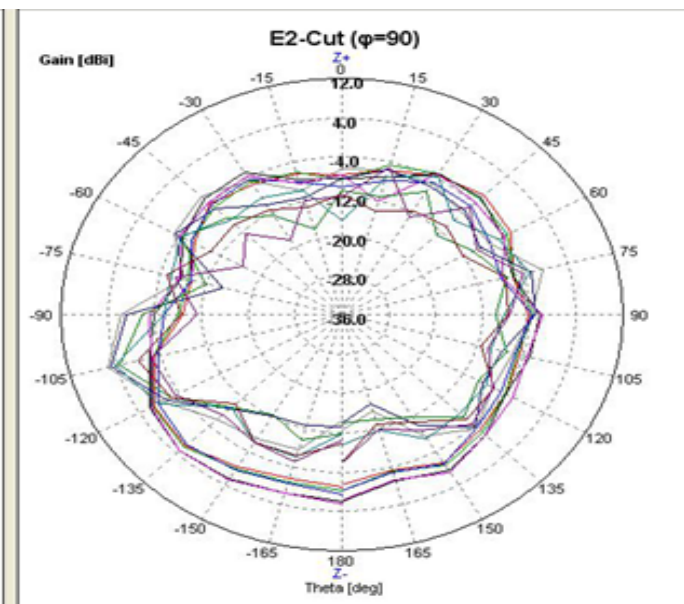
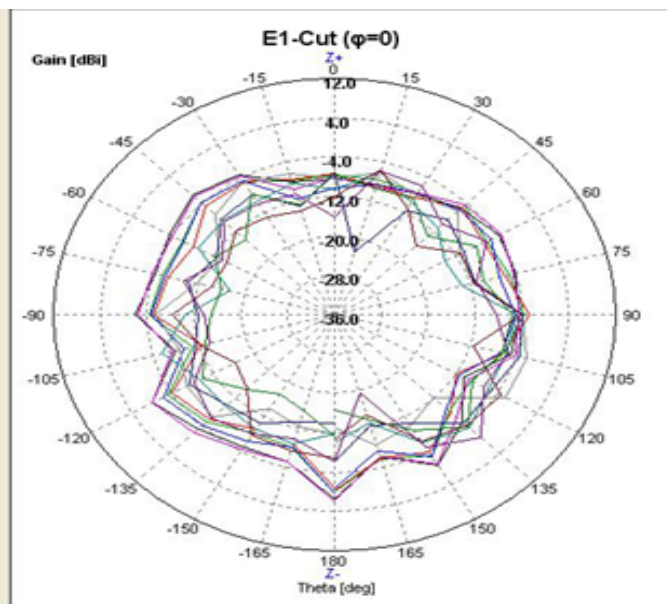
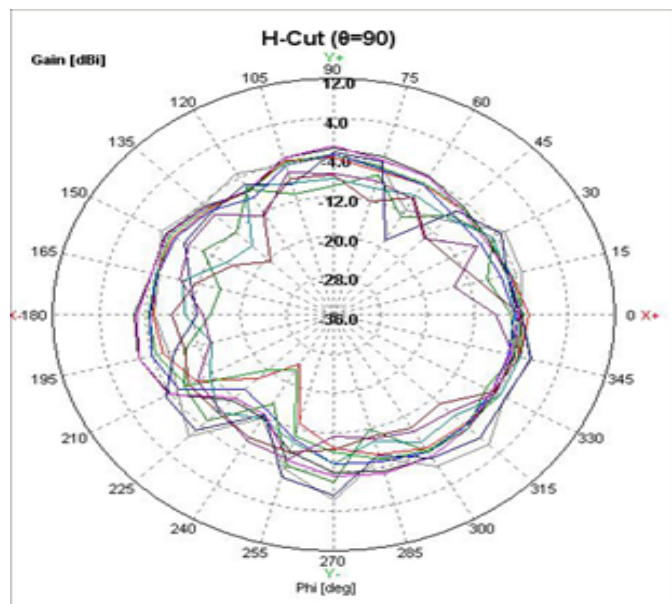
5. ASM Main DUAL WiFi - VSWR



Network Analyzer Data

6. ASM Main DUAL WiFi - Gain Data

No	Freq.[MHz]	θ -Pol(H)					ϕ -Pol(V)					PwrSum				
		Eff.[%]	Avg.[dBi]	Peak[dBi]	θ [deg]	ϕ [deg]	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ [deg]	ϕ [deg]	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ [deg]	ϕ [deg]
1	2401.0000	13.00	-8.86	-0.55	180.00	0.00	20.31	-6.92	1.37	135.00	270.00	33.31	-4.77	1.61	135.00	270.00
2	2412.0000	14.38	-8.42	0.00	180.00	180.00	21.94	-6.59	1.79	135.00	270.00	36.32	-4.40	1.99	135.00	270.00
3	2462.0000	14.06	-8.52	-0.16	180.00	180.00	18.30	-7.37	1.23	135.00	270.00	32.37	-4.90	1.49	135.00	270.00
4	2472.0000	21.08	-6.76	1.56	180.00	195.00	26.43	-5.78	2.79	135.00	270.00	47.51	-3.23	3.13	135.00	270.00
5	2483.5000	21.43	-6.69	1.74	180.00	180.00	25.88	-5.87	2.76	135.00	270.00	47.31	-3.25	3.12	135.00	270.00
6	5150.0000	11.04	-9.57	-2.51	45.00	330.00	24.25	-6.15	5.34	105.00	270.00	35.28	-4.52	5.38	105.00	270.00
7	5250.0000	7.54	-11.22	-3.27	105.00	345.00	19.57	-7.08	4.61	105.00	270.00	27.11	-5.67	4.72	105.00	270.00
8	5350.0000	5.15	-12.88	-5.34	90.00	345.00	12.74	-8.95	3.33	105.00	270.00	17.89	-7.47	3.33	105.00	270.00
9	5470.0000	6.94	-11.59	-4.45	135.00	330.00	15.36	-8.14	4.07	105.00	270.00	22.29	-6.52	4.07	105.00	270.00
10	5725.0000	6.50	-11.87	-3.23	135.00	345.00	9.07	-10.42	-0.53	105.00	270.00	15.57	-8.08	-0.11	105.00	270.00
11	5850.0000	7.99	-10.97	-0.05	135.00	330.00	10.41	-9.82	-1.24	120.00	30.00	18.40	-7.35	1.09	135.00	330.00



Passive 2D Gain Data & Radiation Pattern