



Master Wave

權億科技股份有限公司

Master Wave Technology Co., Ltd.

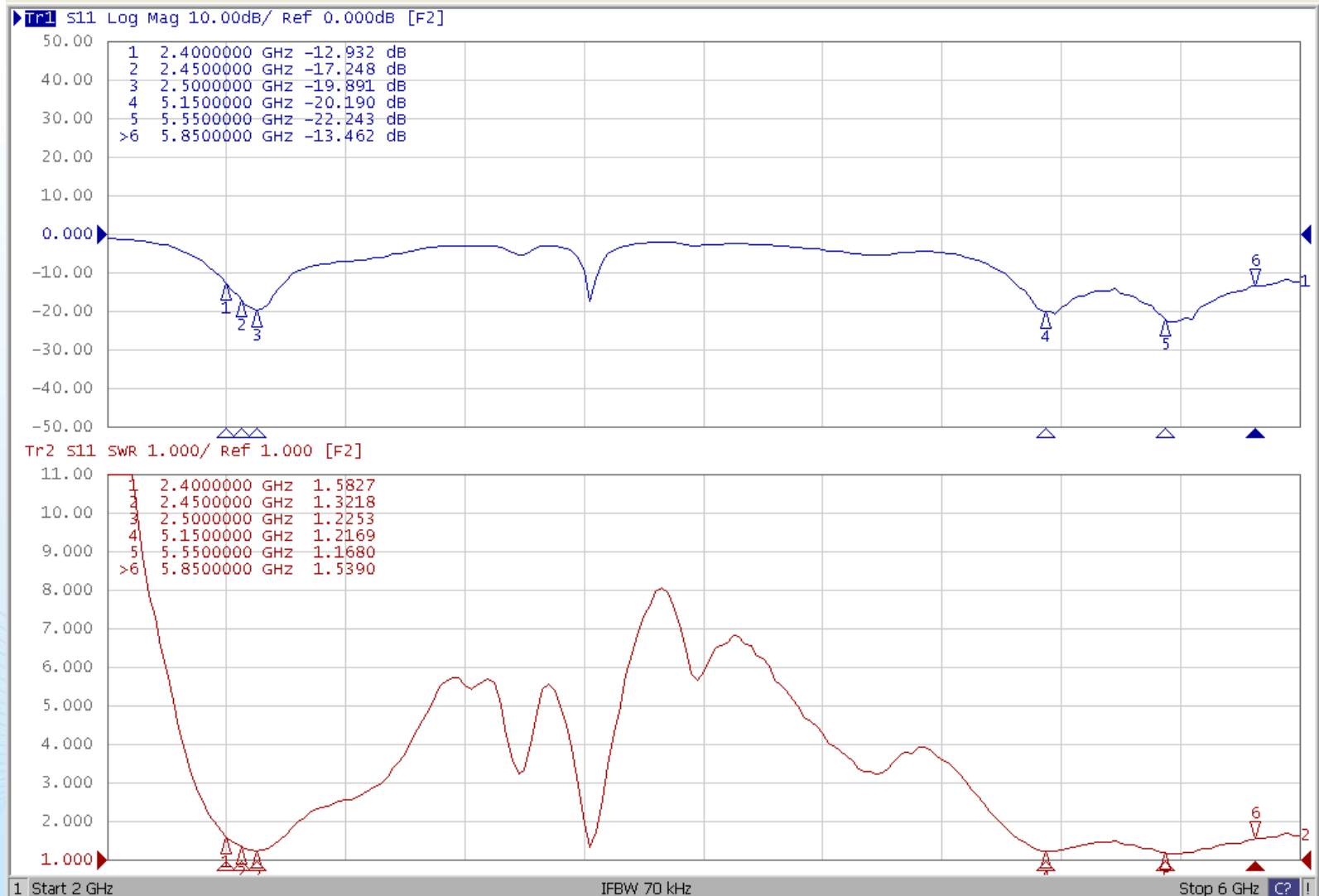
SSP 13950 2.4+5GHz Test Report

Measurement environment



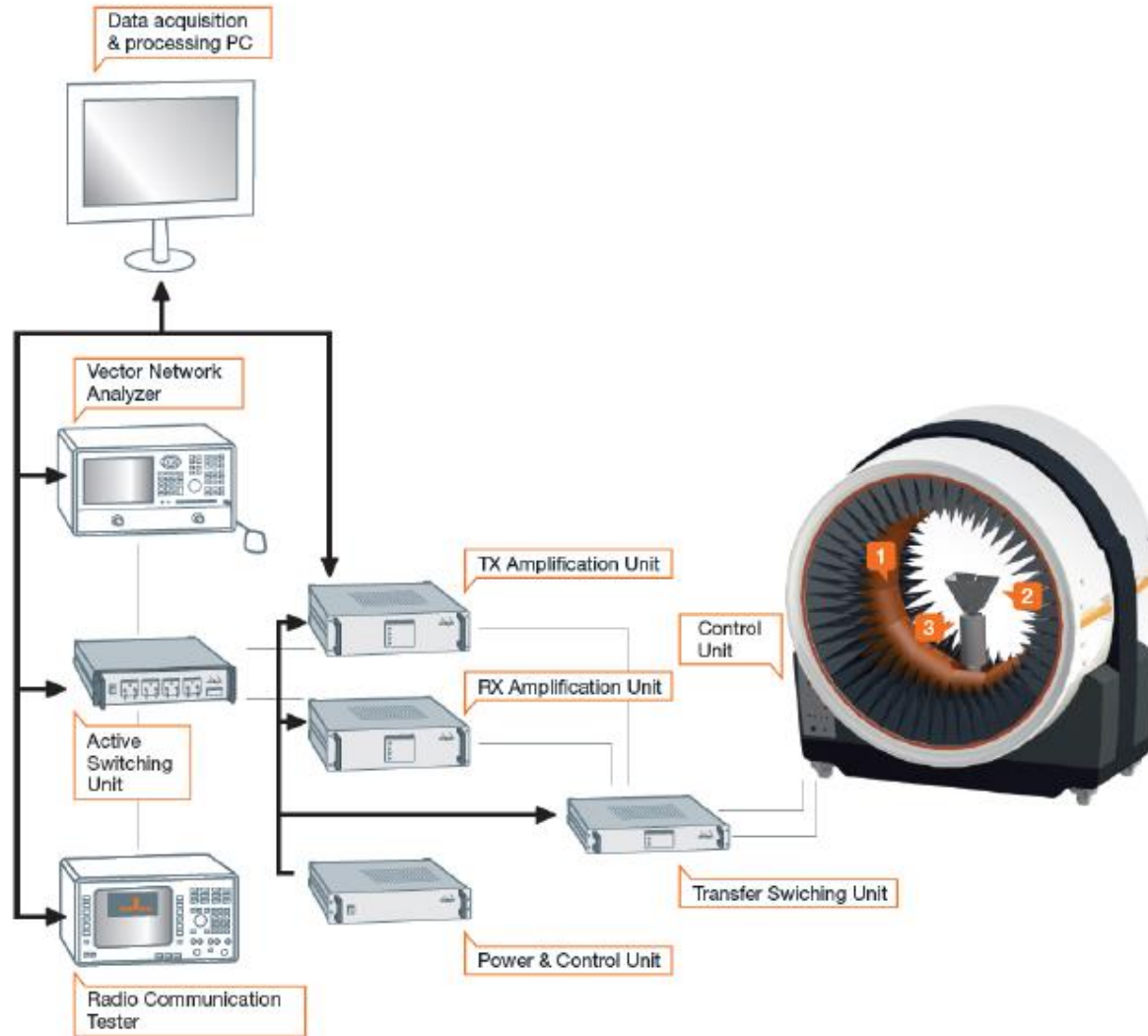


Impedance matching

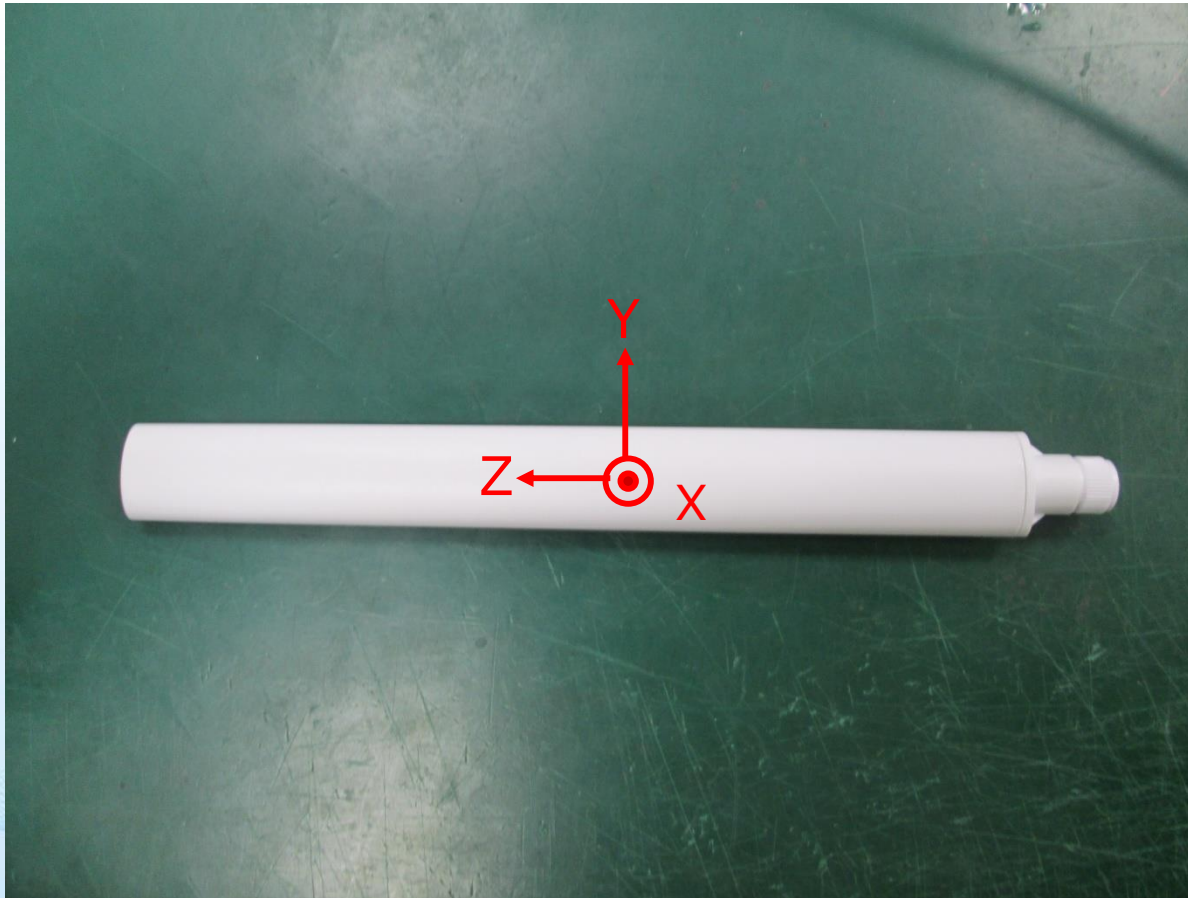




Satimo STARLAB Test Setup



Antenna Configuration





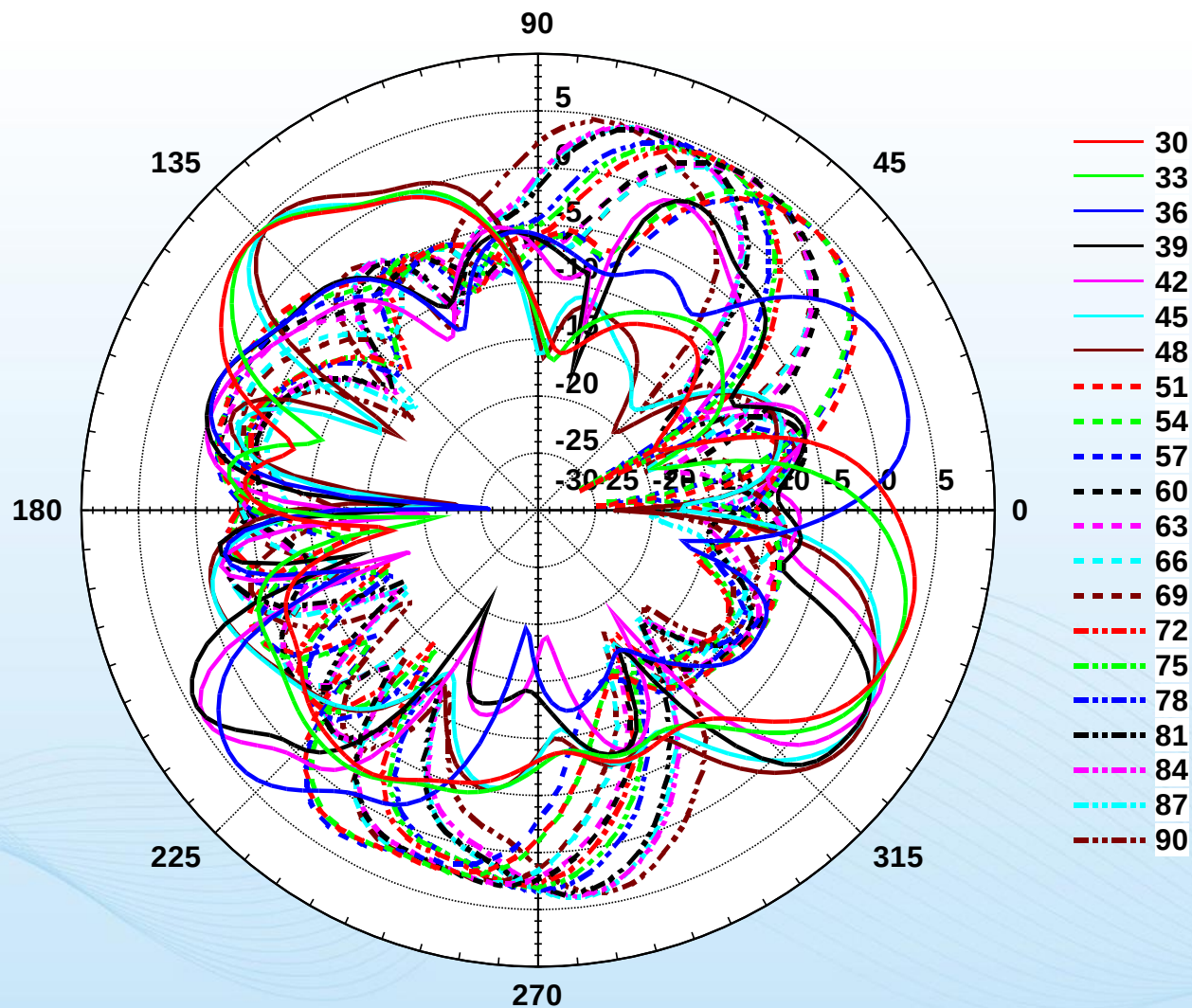
Peak Gain Table – 2412MHz

Deg.	Phi Cut Deg.	Peak Gain (dBi)
30	140	4.47
33	6	4.48
36	10	4.49
39	2	4.50
42	178	4.47
45	178	4.35
48	178	4.46
51	38	4.42
54	36	4.48
57	28	4.45
60	44	4.50
63	42	4.46
66	34	4.49
69	26	4.46
72	26	4.39
75	32	4.31
78	30	4.45
81	40	4.39
84	48	4.51
87	24	4.50
90	74	4.54

Deg.	Phi Cut Deg.	Peak Gain (dBi)
90	74	4.54
93	16	4.48
96	176	4.42
99	30	4.46
102	32	4.37
105	40	4.45
108	28	4.52
111	24	4.46
114	152	4.48
117	26	4.46
120	42	4.44
123	46	4.47
126	42	4.46
129	44	4.41
132	4	4.42
135	176	4.49
138	176	4.42
141	30	4.26
144	36	4.34
147	32	4.41
150	42	4.48

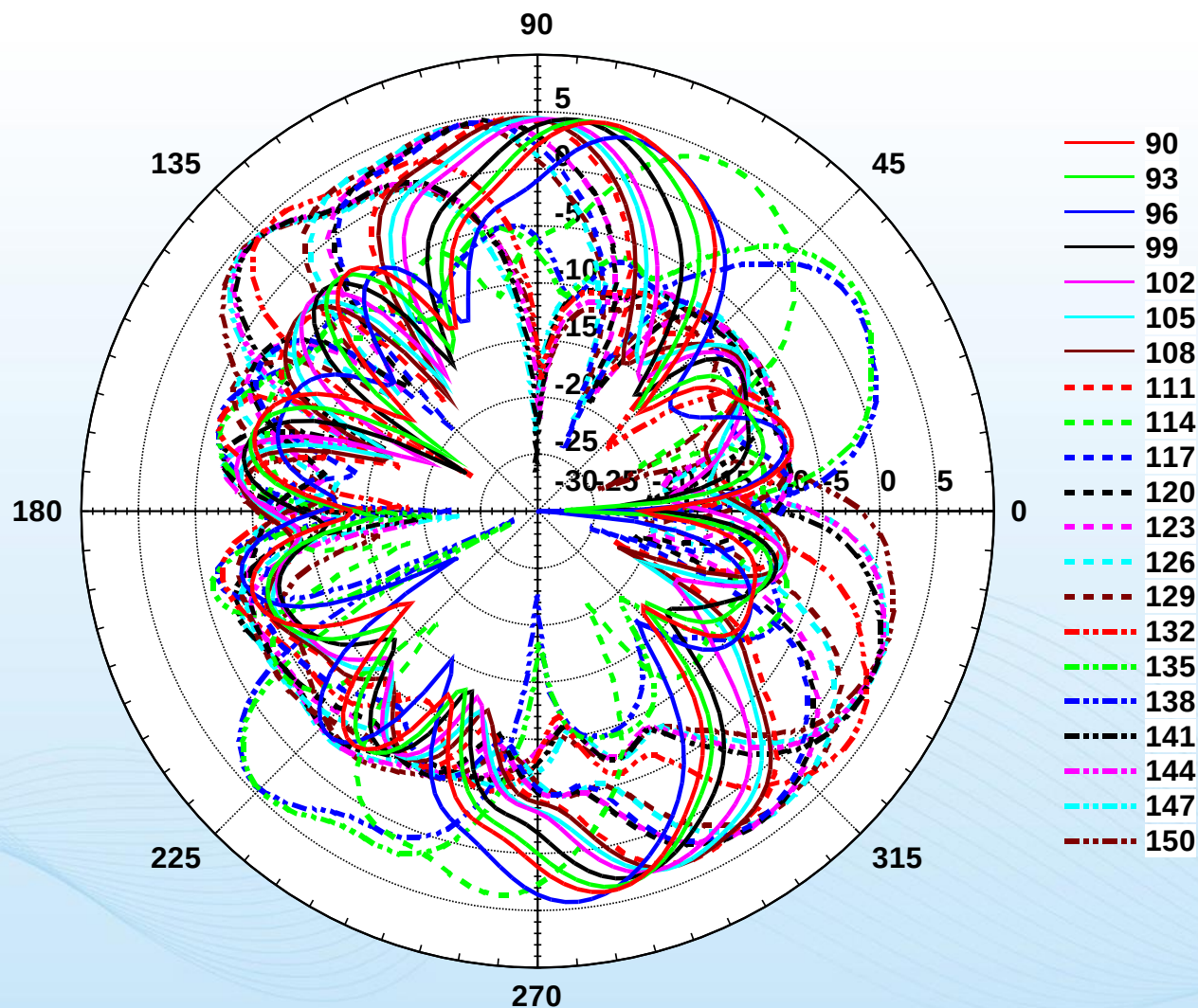


E-Plane Pattern 30deg to 90deg – 2412MHz





E-Plane Pattern 90deg to 150deg – 2412MHz





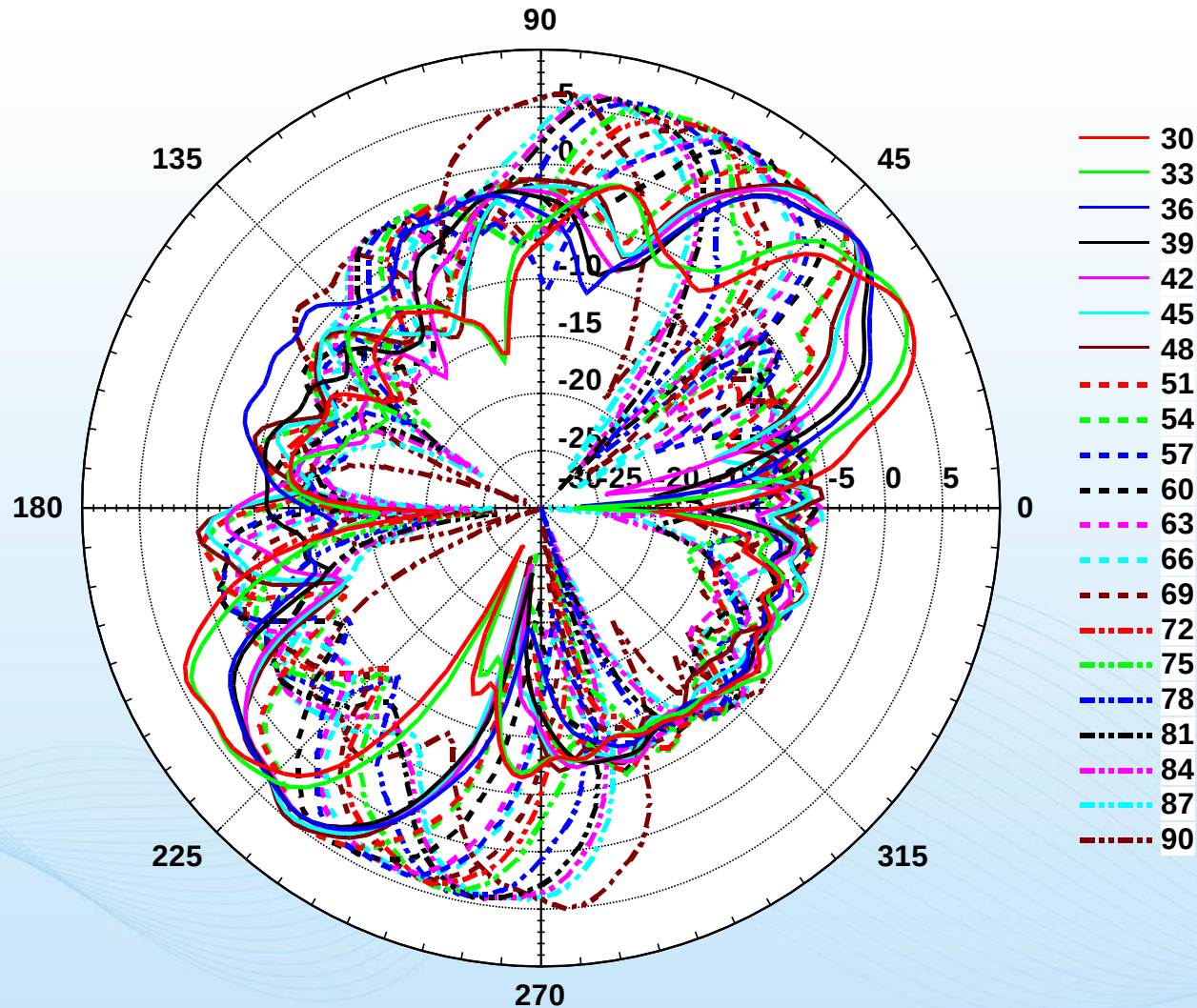
Peak Gain Table – 5180MHz

Deg.	Phi Cut Deg.	Peak Gain (dBi)
30	26	6.16
33	24	6.18
36	46	6.16
39	38	6.16
42	34	6.18
45	20	6.15
48	16	6.16
51	16	6.17
54	16	6.16
57	36	6.16
60	14	6.16
63	18	6.16
66	18	6.15
69	14	6.15
72	16	6.15
75	16	6.15
78	20	6.14
81	20	6.15
84	16	6.13
87	16	6.13
90	20	6.15

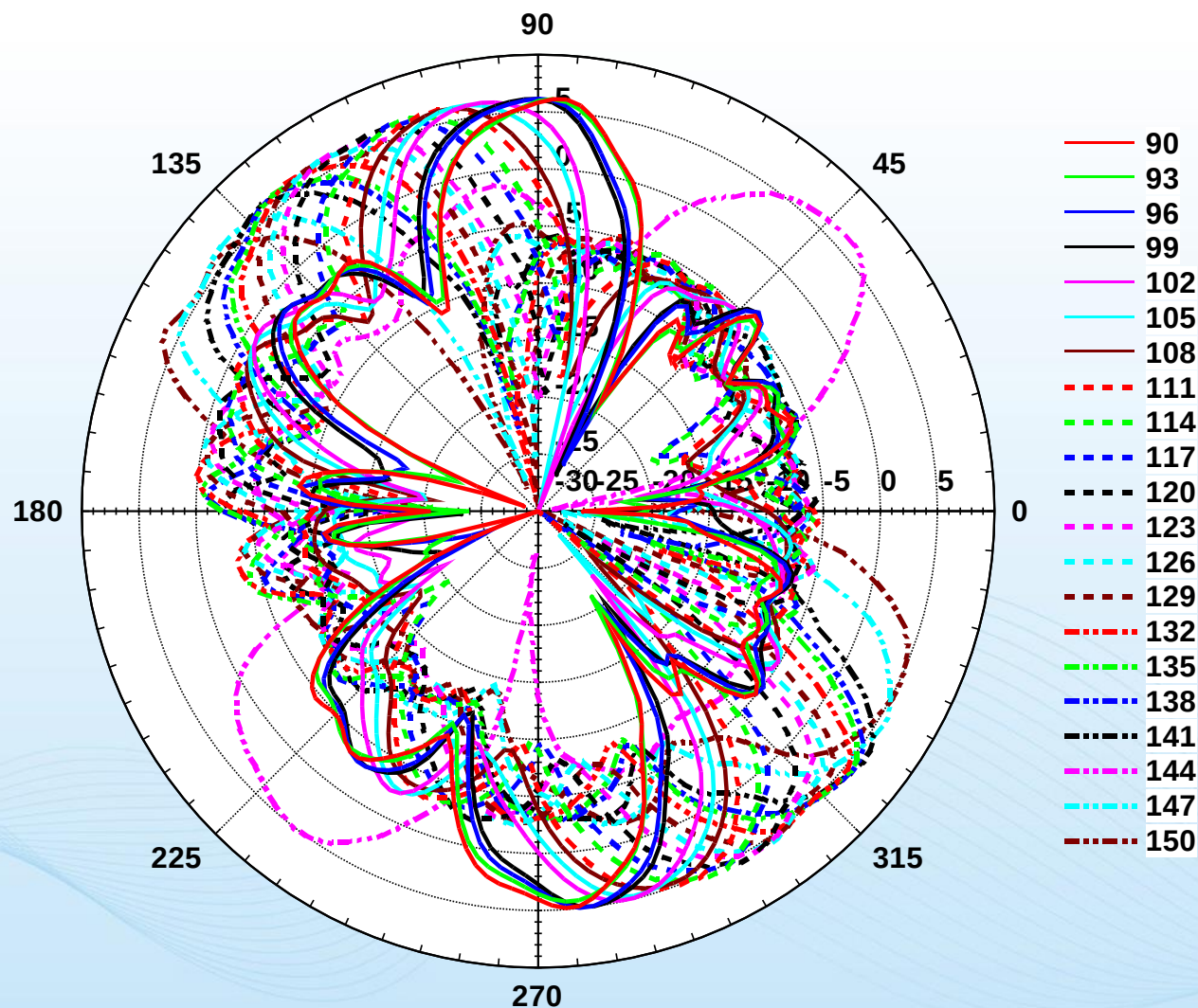
Deg.	Phi Cut Deg.	Peak Gain (dBi)
90	20	6.15
93	26	6.13
96	20	6.14
99	22	6.12
102	18	6.14
105	16	6.15
108	16	6.14
111	16	6.17
114	12	6.15
117	10	6.15
120	20	6.16
123	18	6.14
126	18	6.15
129	20	6.12
132	18	6.13
135	16	6.13
138	20	6.13
141	24	6.17
144	134	6.14
147	26	6.16
150	30	6.16



E-Plane Pattern 30deg to 90deg – 5180MHz



E-Plane Pattern 90deg to 150deg – 5180MHz





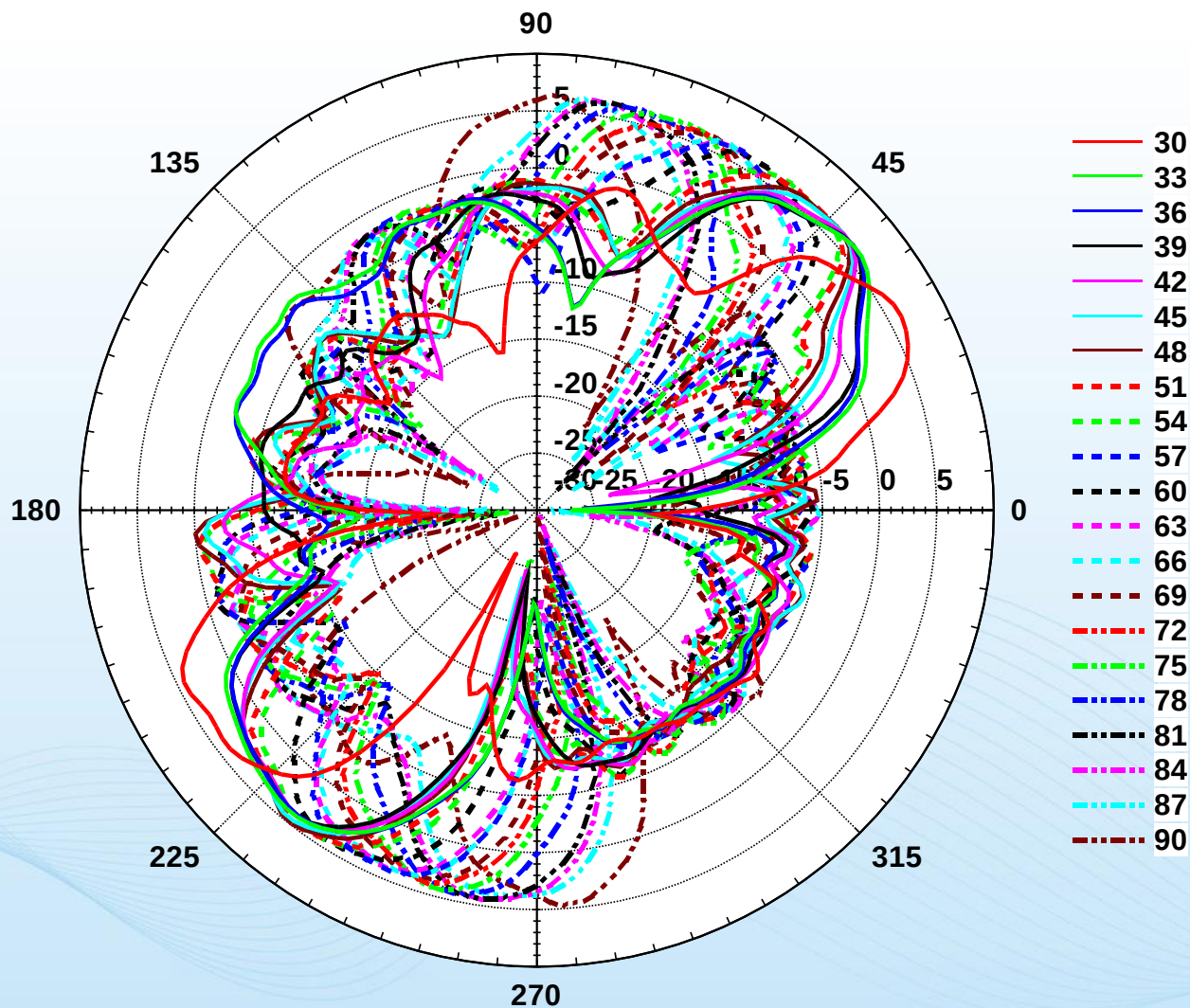
Peak Gain Table – 5190MHz

Deg.	Phi Cut Deg.	Peak Gain (dBi)
30	26	6.15
33	50	6.13
36	46	6.15
39	38	6.15
42	34	6.16
45	20	6.15
48	16	6.15
51	12	6.16
54	16	6.15
57	36	6.15
60	14	6.15
63	18	6.16
66	18	6.16
69	14	6.13
72	16	6.12
75	16	6.17
78	20	6.14
81	20	6.15
84	18	6.13
87	20	6.12
90	20	6.14

Deg.	Phi Cut Deg.	Peak Gain (dBi)
90	20	6.14
93	26	6.12
96	22	6.15
99	22	6.14
102	18	6.15
105	16	6.13
108	16	6.15
111	16	6.15
114	12	6.15
117	10	6.17
120	20	6.14
123	16	6.14
126	20	6.16
129	20	6.12
132	18	6.13
135	16	6.15
138	16	6.14
141	24	6.14
144	136	6.15
147	26	6.15
150	30	6.14

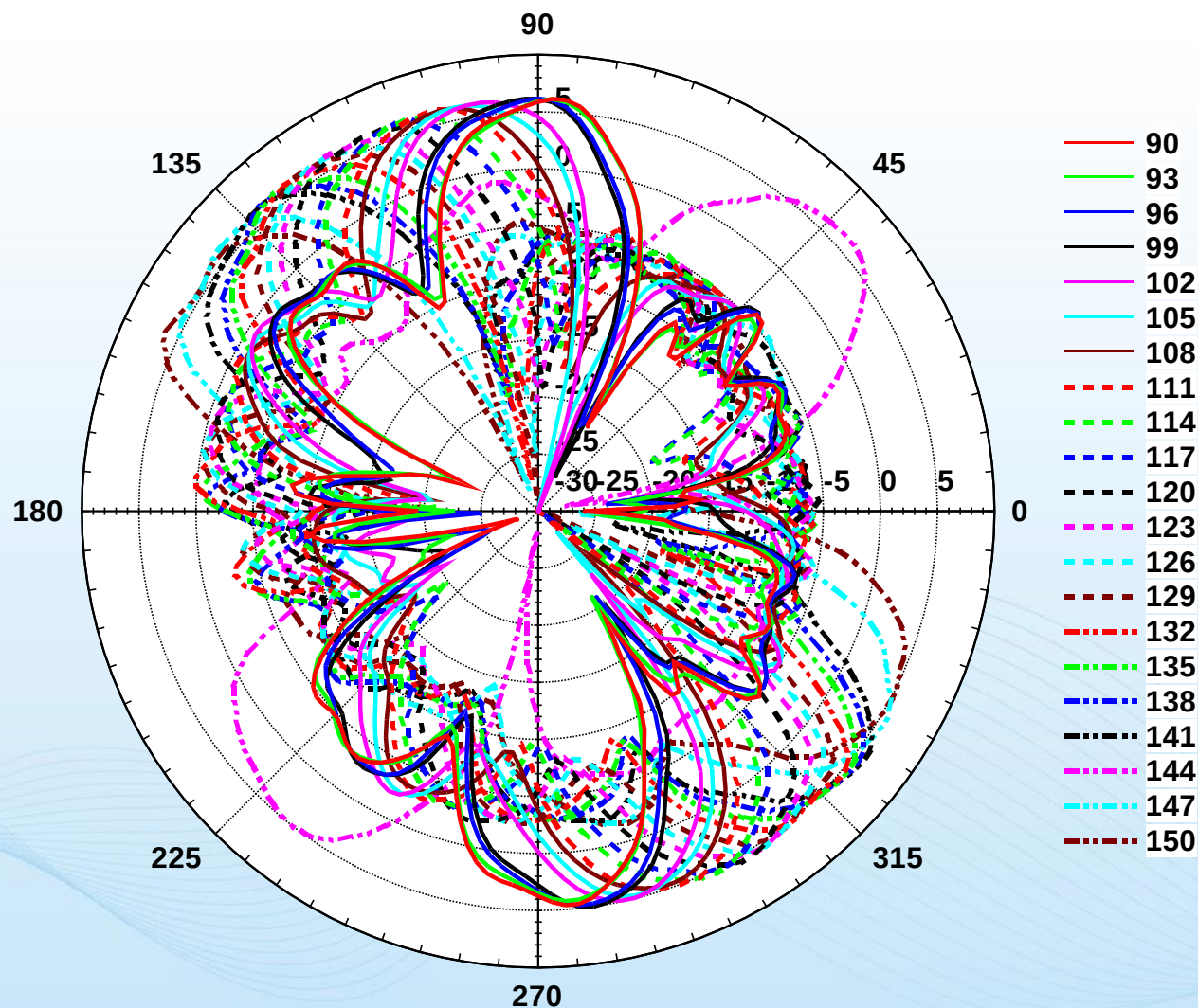


E-Plane Pattern 30deg to 90deg – 5190MHz





E-Plane Pattern 90deg to 150deg – 5190MHz





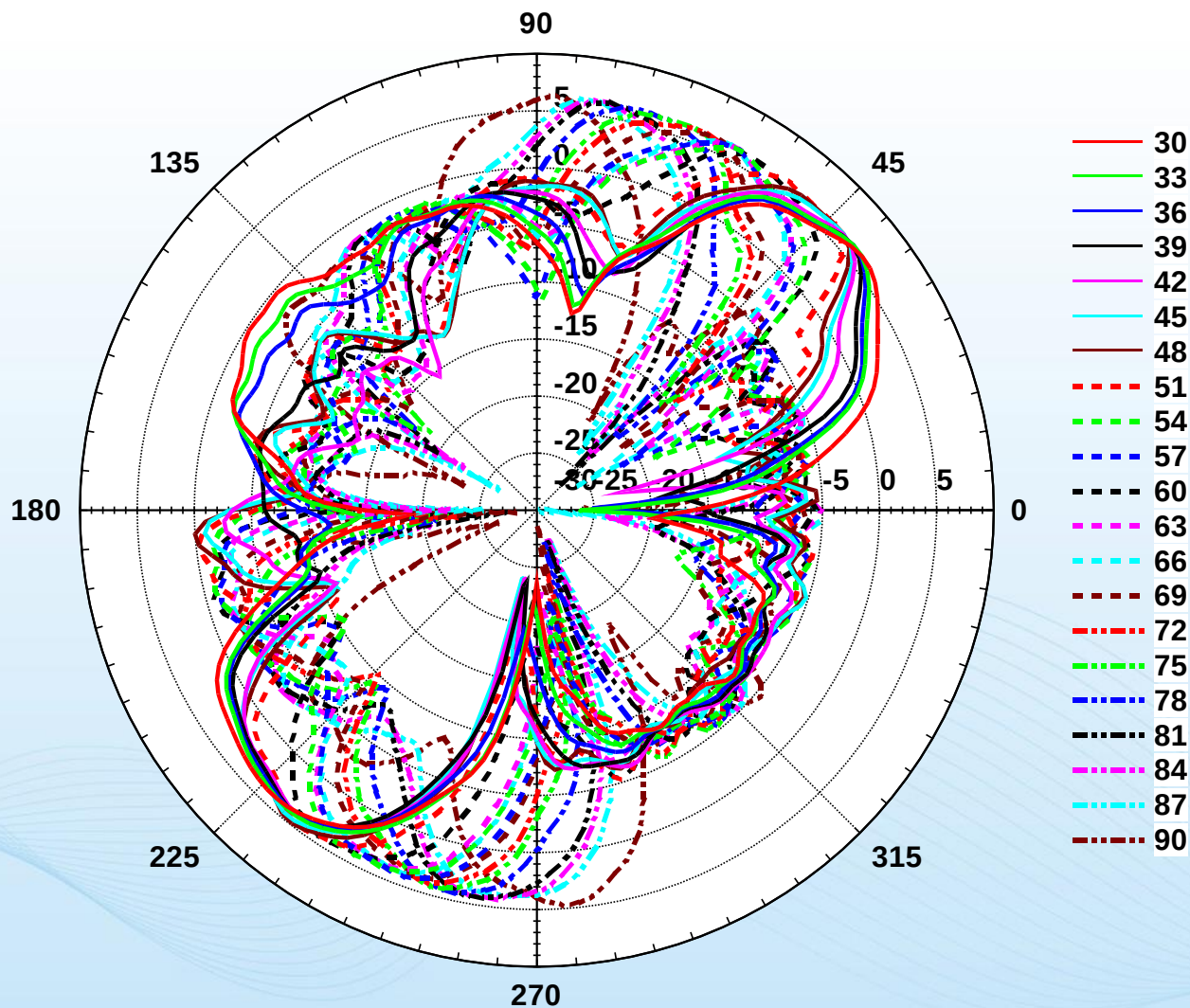
Peak Gain Table – 5200MHz

Deg.	Phi Cut Deg.	Peak Gain (dBi)
30	52	6.13
33	50	6.17
36	46	6.16
39	36	6.13
42	34	6.12
45	20	6.15
48	14	6.15
51	12	6.17
54	42	6.14
57	36	6.17
60	12	6.18
63	18	6.15
66	18	6.14
69	14	6.14
72	16	6.14
75	16	6.14
78	18	6.15
81	20	6.14
84	16	6.14
87	20	6.14
90	22	6.13

Deg.	Phi Cut Deg.	Peak Gain (dBi)
90	20	6.13
93	28	6.12
96	22	6.16
99	22	6.18
102	18	6.16
105	16	6.14
108	16	6.16
111	16	6.15
114	10	6.12
117	10	6.16
120	20	6.14
123	18	6.13
126	20	6.16
129	20	6.15
132	16	6.15
135	16	6.15
138	16	6.15
141	22	6.12
144	136	6.15
147	26	6.13
150	32	6.14

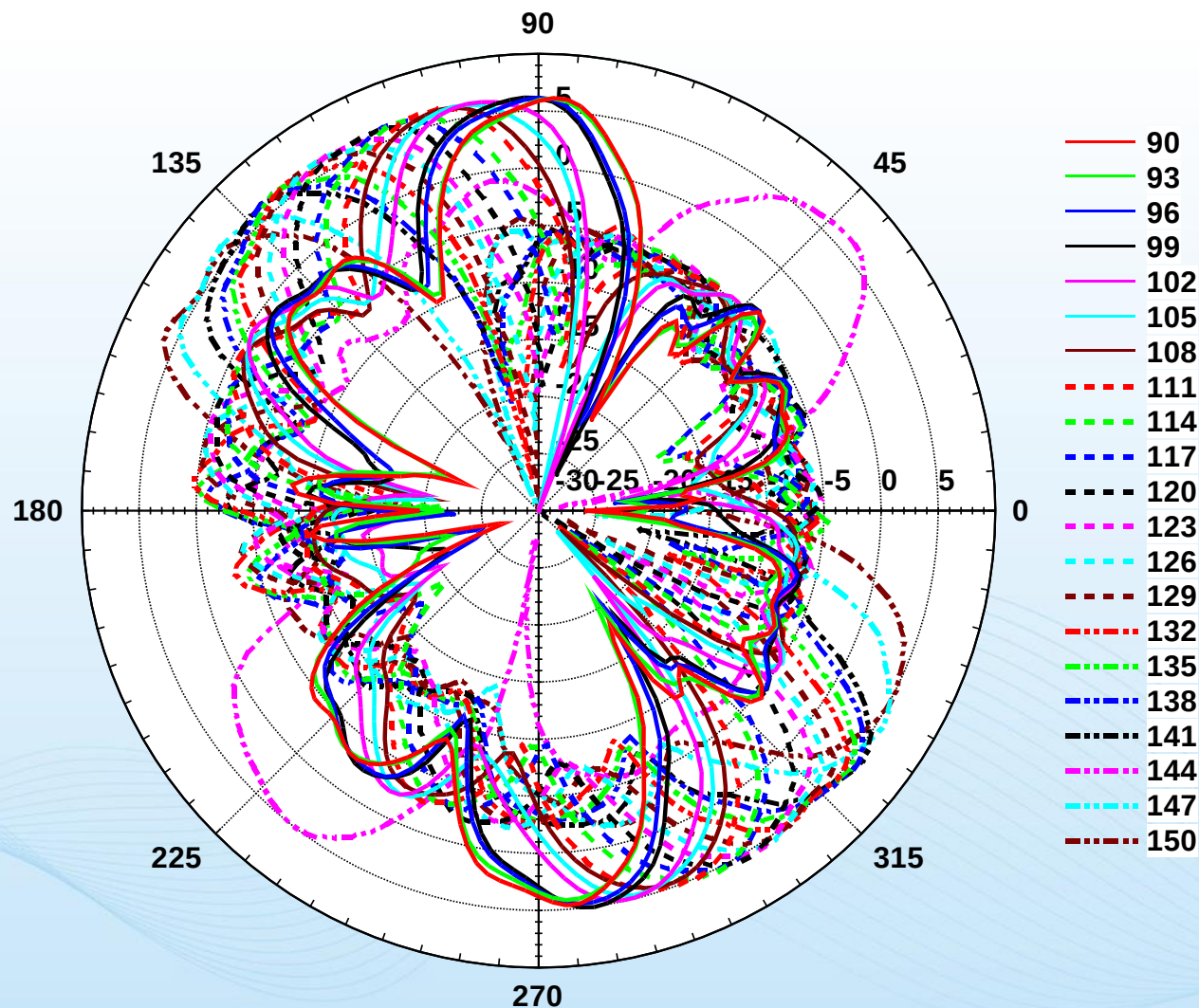


E-Plane Pattern 30deg to 90deg – 5200MHz





E-Plane Pattern 90deg to 150deg – 5200MHz





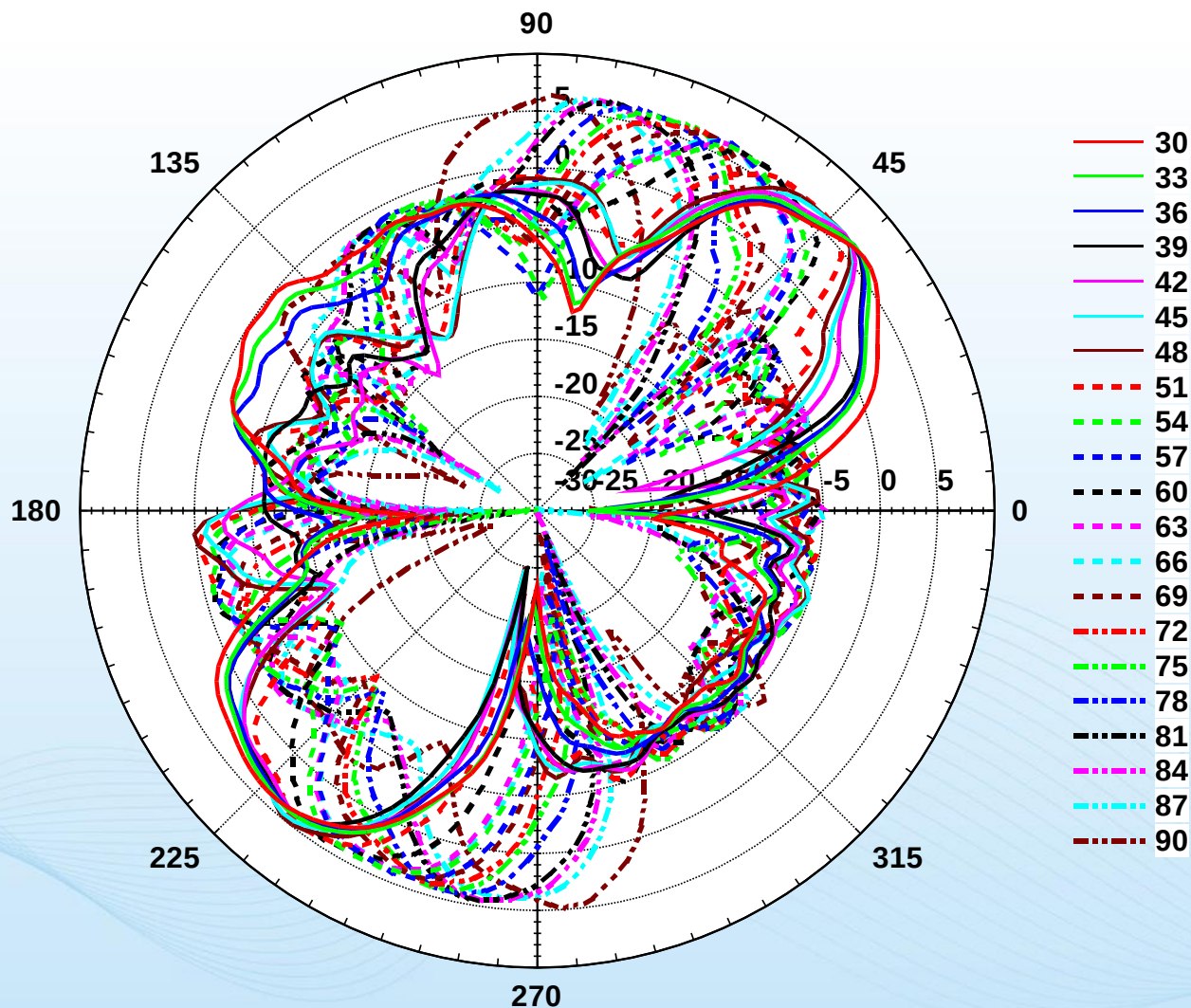
Peak Gain Table – 5210MHz

Deg.	Phi Cut Deg.	Peak Gain (dBi)
30	52	6.17
33	50	6.17
36	46	6.16
39	36	6.12
42	34	6.17
45	20	6.17
48	14	6.17
51	12	6.14
54	42	6.17
57	36	6.17
60	12	6.16
63	16	6.14
66	16	6.15
69	12	6.13
72	16	6.17
75	16	6.13
78	18	6.15
81	20	6.14
84	22	6.13
87	20	6.16
90	22	6.15

Deg.	Phi Cut Deg.	Peak Gain (dBi)
90	20	6.15
93	28	6.14
96	22	6.16
99	22	6.16
102	18	6.15
105	16	6.15
108	16	6.16
111	16	6.14
114	10	6.15
117	10	6.13
120	20	6.15
123	18	6.13
126	20	6.12
129	20	6.17
132	16	6.16
135	16	6.15
138	18	6.14
141	22	6.11
144	136	6.16
147	26	6.15
150	32	6.15

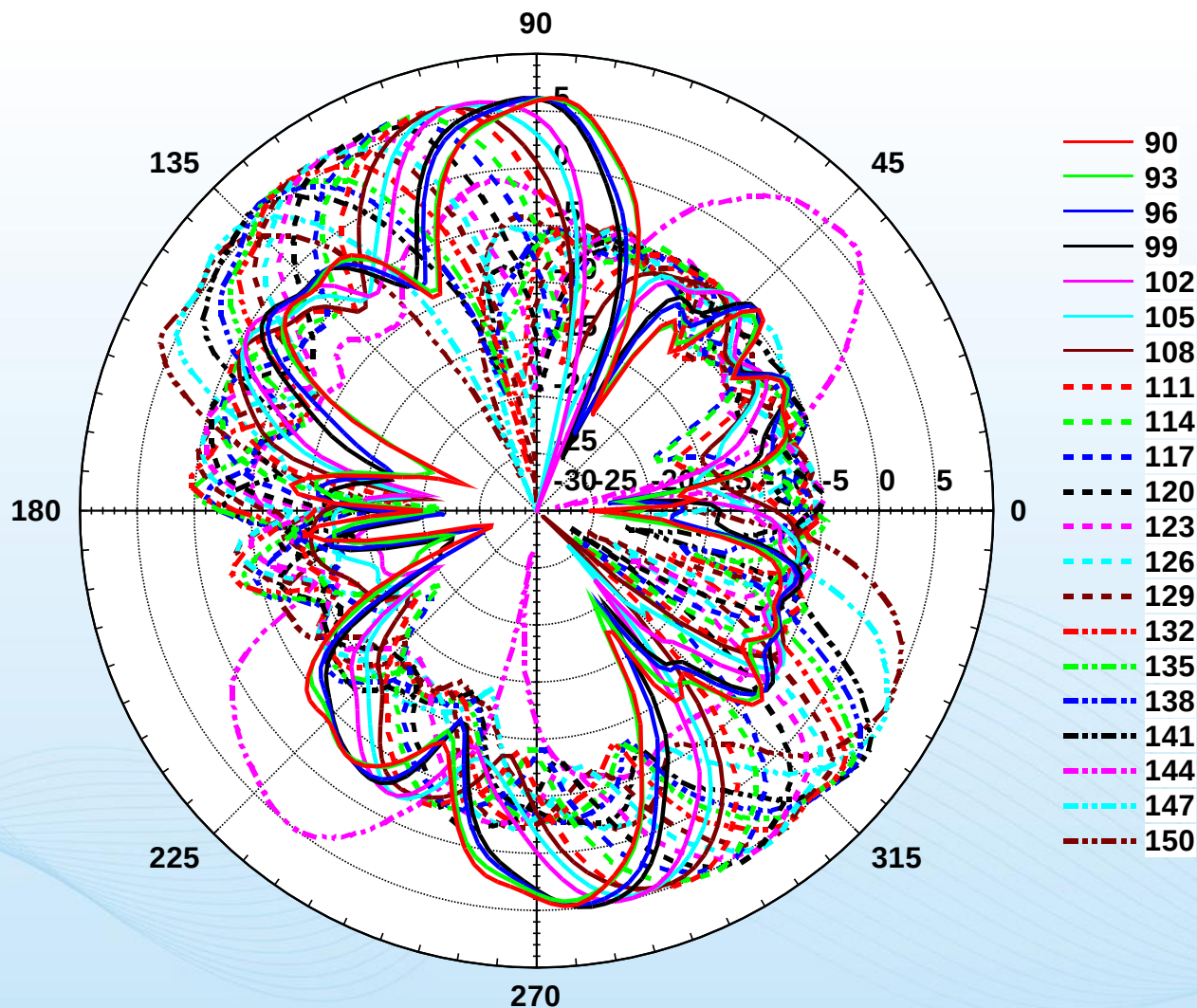


E-Plane Pattern 30deg to 90deg – 5210MHz





E-Plane Pattern 90deg to 150deg – 5210MHz





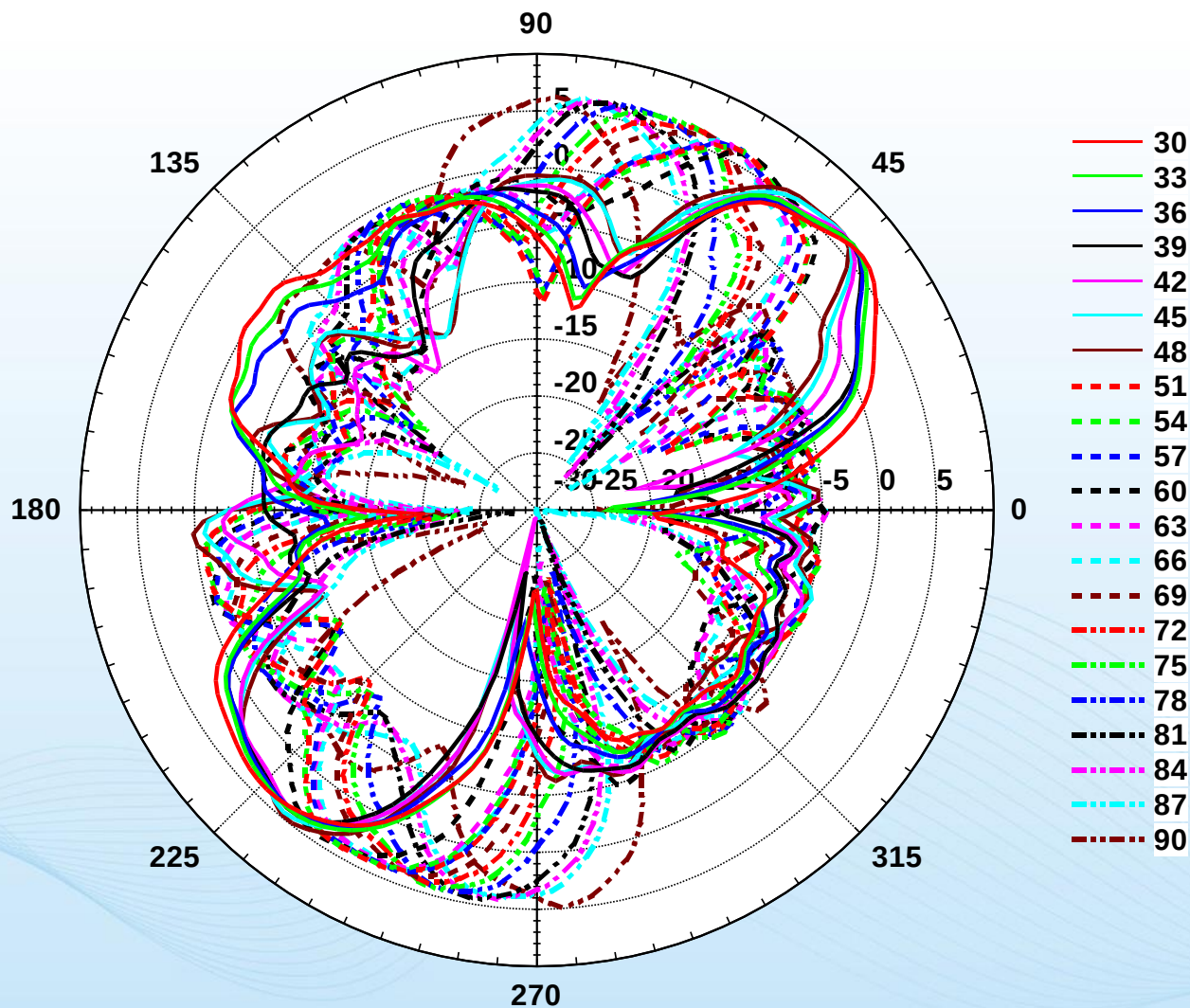
Peak Gain Table – 5230MHz

Deg.	Phi Cut Deg.	Peak Gain (dBi)
30	52	6.16
33	50	6.17
36	46	6.16
39	36	6.16
42	32	6.14
45	18	6.17
48	14	6.16
51	42	6.17
54	40	6.16
57	36	6.17
60	12	6.14
63	16	6.15
66	16	6.16
69	12	6.14
72	16	6.16
75	16	6.17
78	18	6.16
81	20	6.13
84	22	6.11
87	22	6.15
90	20	6.12

Deg.	Phi Cut Deg.	Peak Gain (dBi)
90	20	6.12
93	28	6.16
96	22	6.13
99	22	6.17
102	18	6.17
105	16	6.17
108	16	6.15
111	14	6.14
114	10	6.13
117	10	6.15
120	18	6.13
123	18	6.15
126	18	6.16
129	18	6.14
132	16	6.15
135	18	6.16
138	20	6.13
141	24	6.16
144	136	6.14
147	26	6.12
150	34	6.14

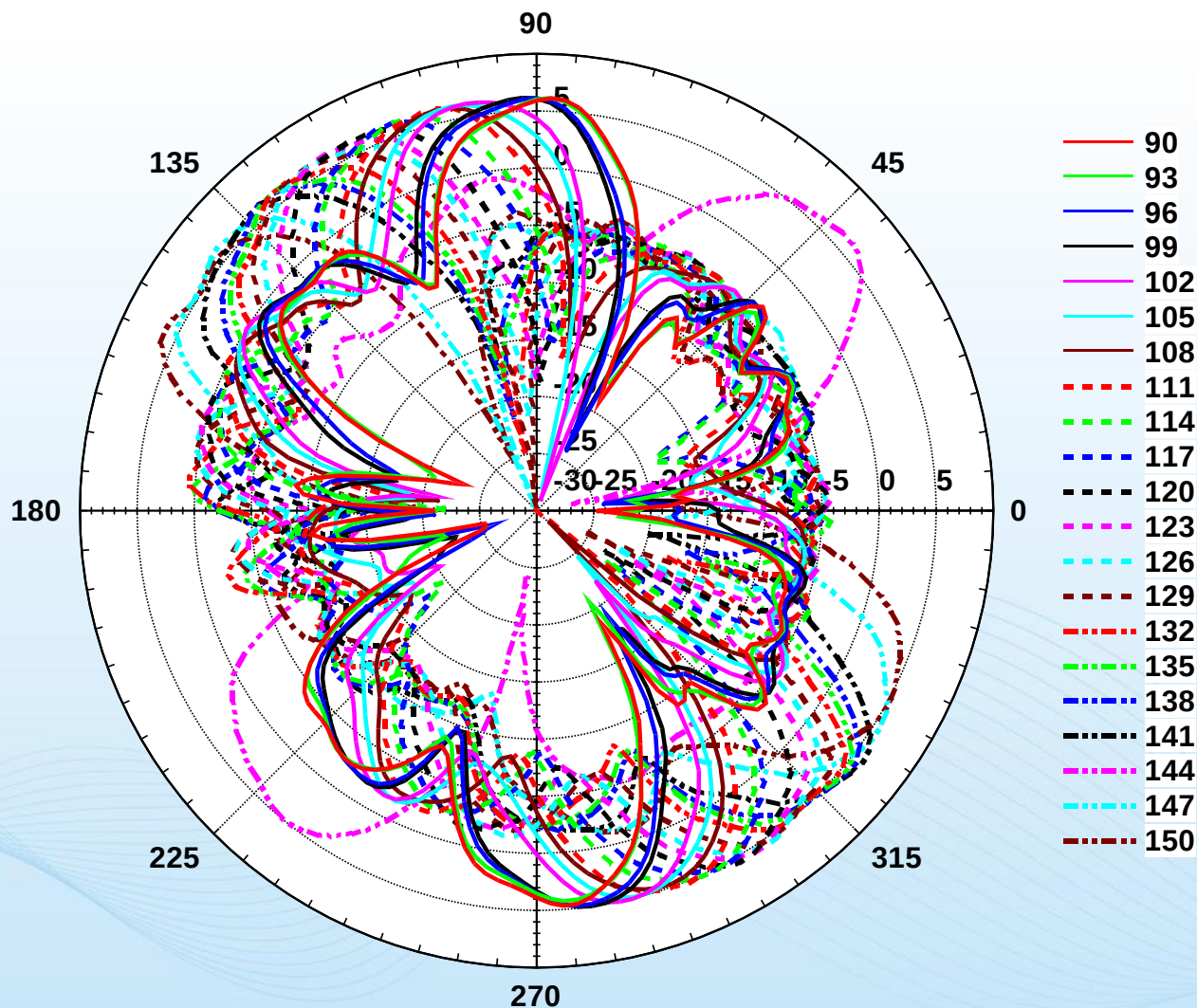


E-Plane Pattern 30deg to 90deg – 5230MHz





E-Plane Pattern 90deg to 150deg – 5230MHz





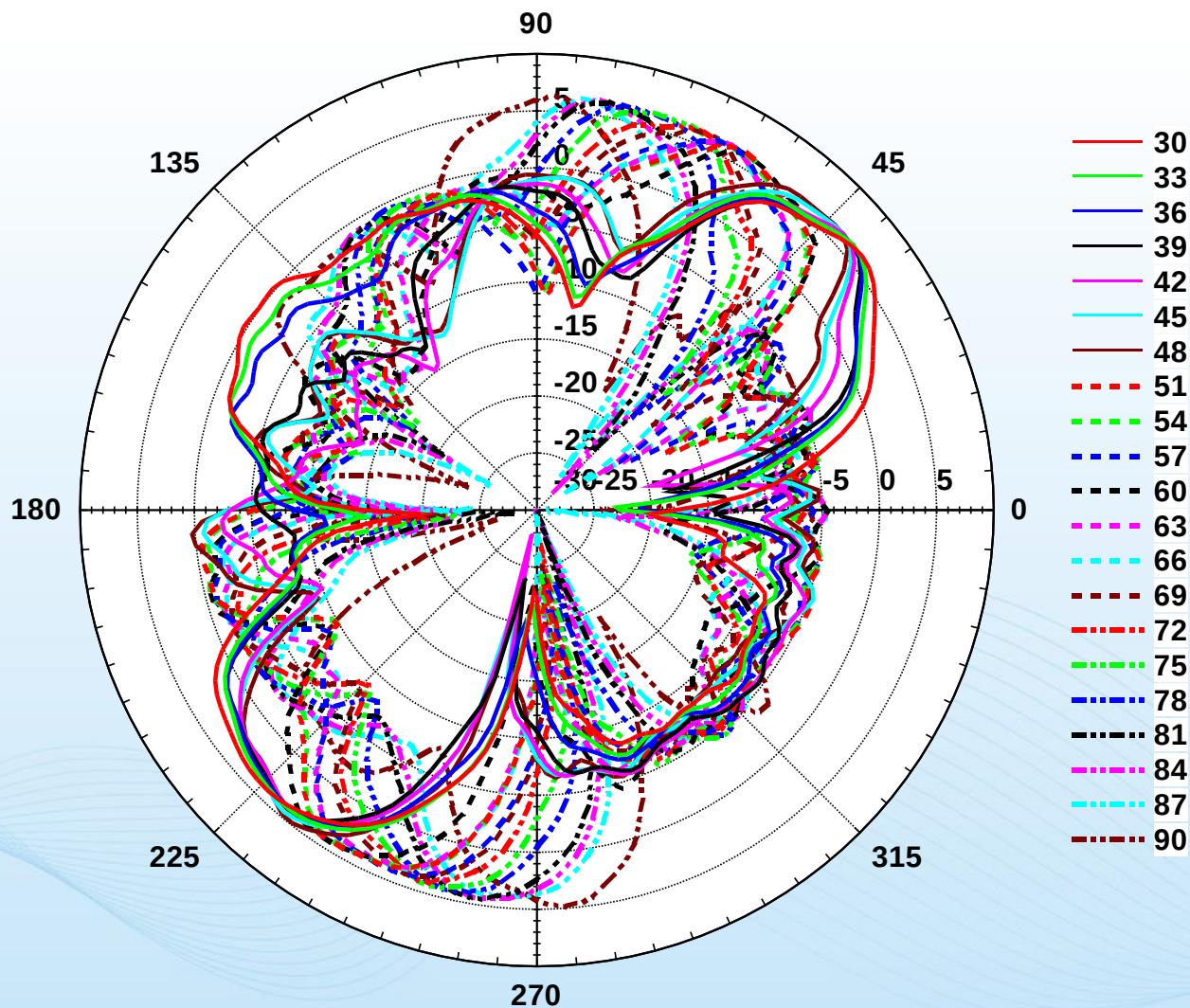
Peak Gain Table – 5240MHz

Deg.	Phi Cut Deg.	Peak Gain (dBi)
30	52	6.16
33	50	6.16
36	46	6.17
39	36	6.15
42	32	6.16
45	18	6.17
48	16	6.15
51	40	6.16
54	40	6.16
57	34	6.16
60	12	6.16
63	16	6.13
66	16	6.15
69	12	6.15
72	16	6.16
75	16	6.15
78	18	6.16
81	20	6.17
84	20	6.16
87	22	6.15
90	20	6.16

Deg.	Phi Cut Deg.	Peak Gain (dBi)
90	20	6.16
93	26	6.16
96	20	6.16
99	20	6.15
102	18	6.16
105	16	6.15
108	16	6.14
111	14	6.13
114	10	6.14
117	10	6.11
120	18	6.17
123	18	6.17
126	18	6.16
129	18	6.16
132	18	6.15
135	18	6.15
138	20	6.13
141	24	6.14
144	136	6.16
147	26	6.16
150	34	6.13



E-Plane Pattern 30deg to 90deg – 5240MHz





E-Plane Pattern 90deg to 150deg – 5240MHz

