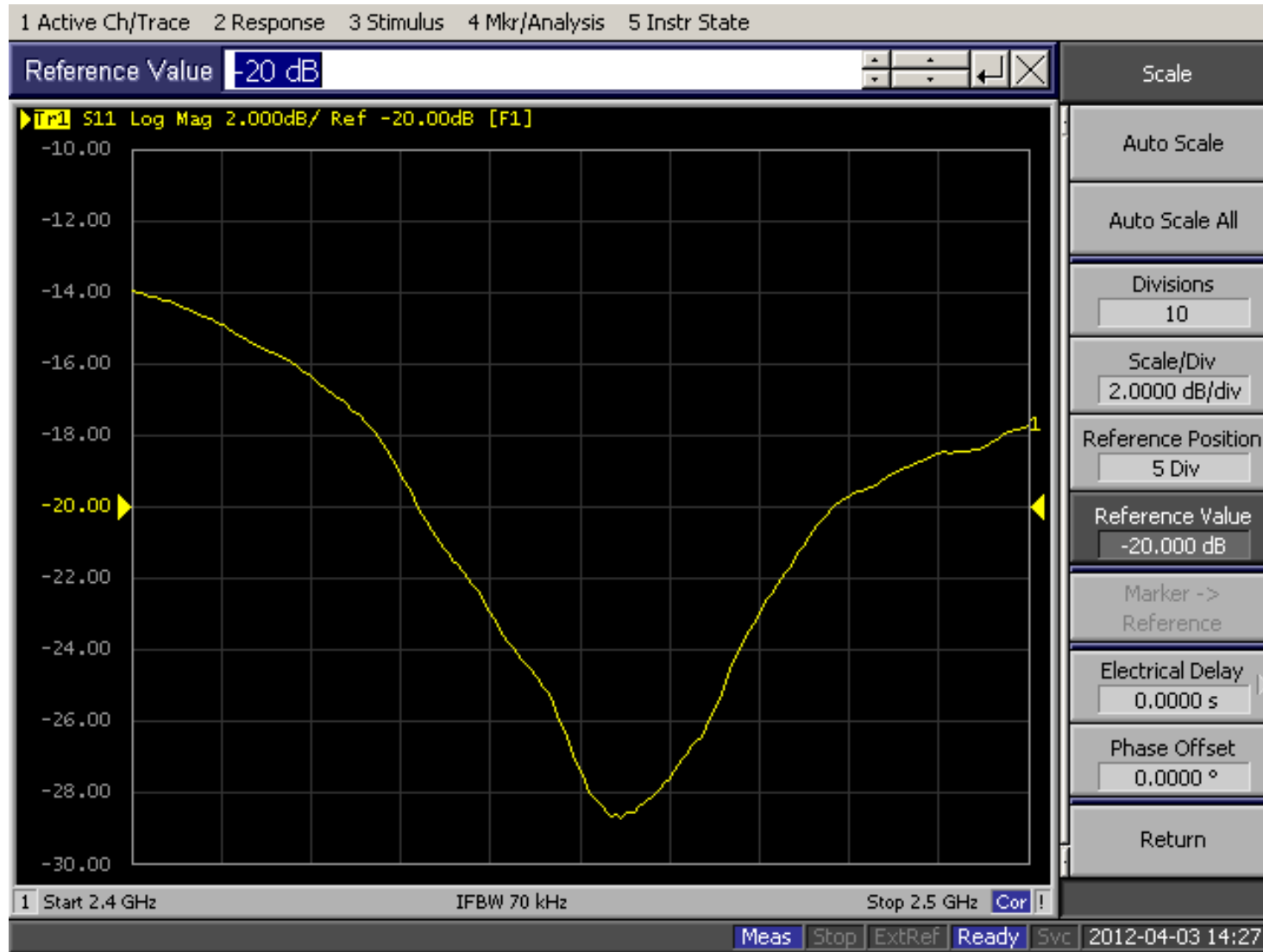


MPMI2458-4-RPC RF Measured Data

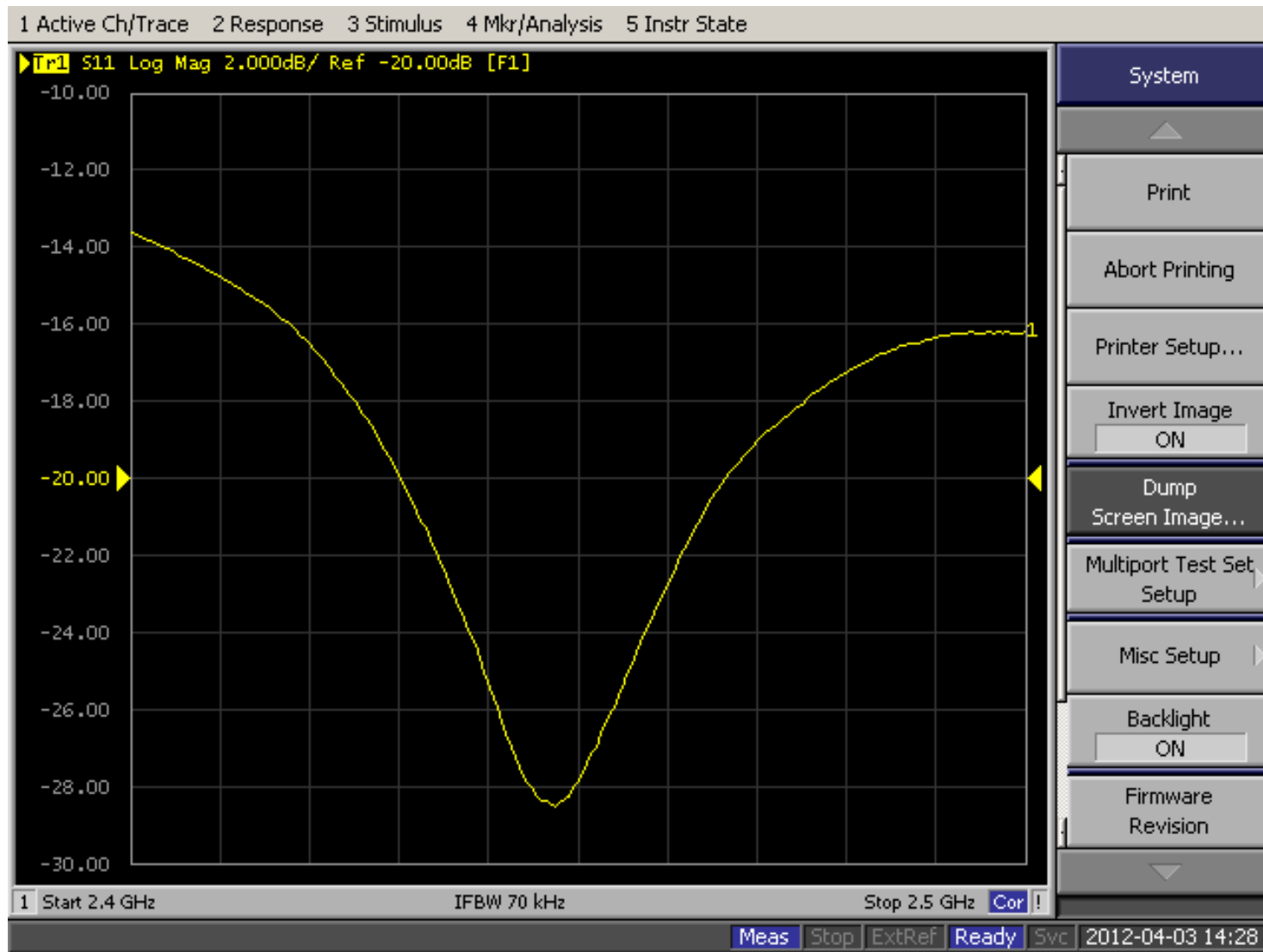
March 1, 2013

LOW BAND PORT-1



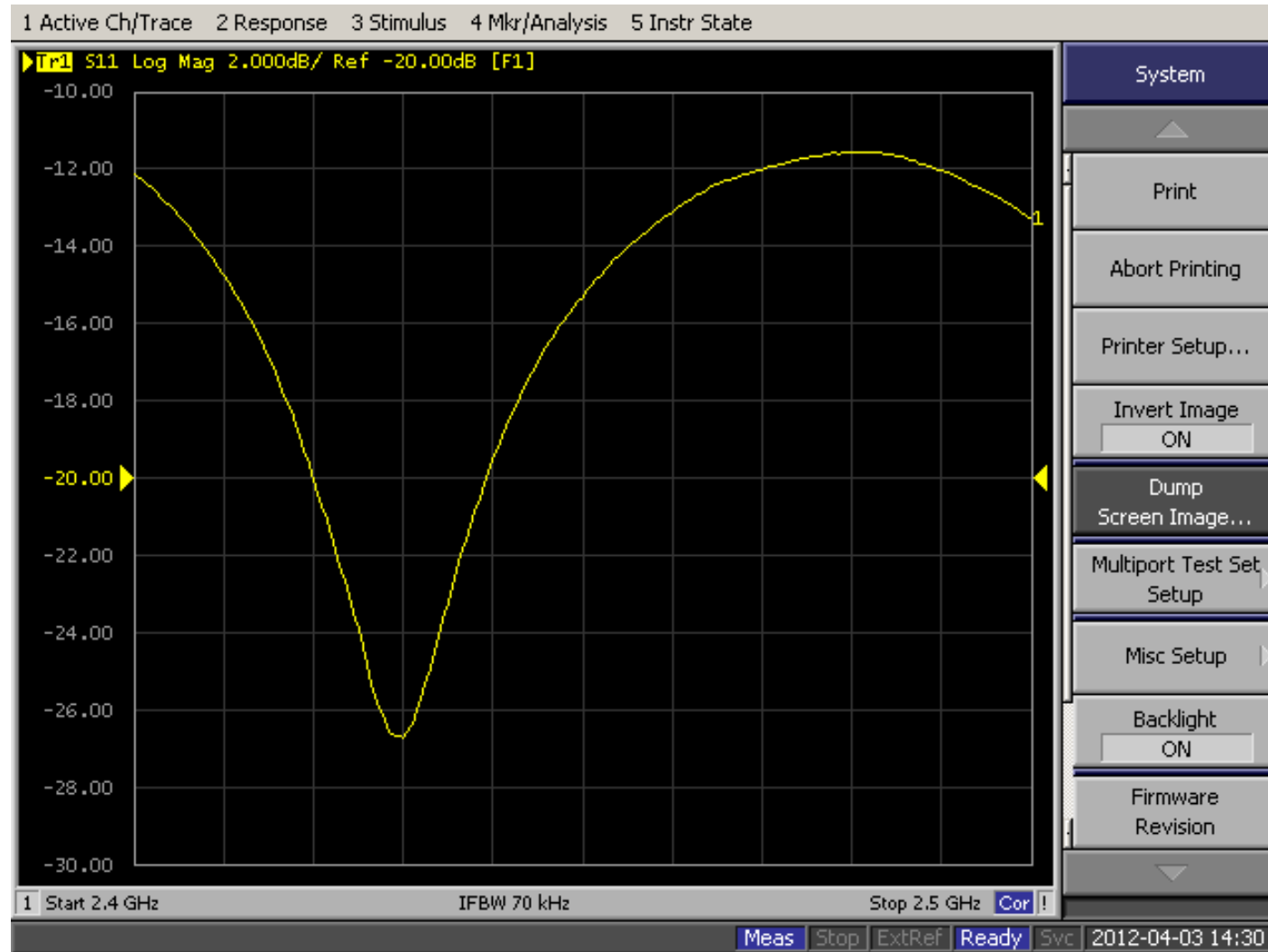
Spec: 2.0:1 VSWR or 9.5dB RL maximum

LOW BAND PORT-2



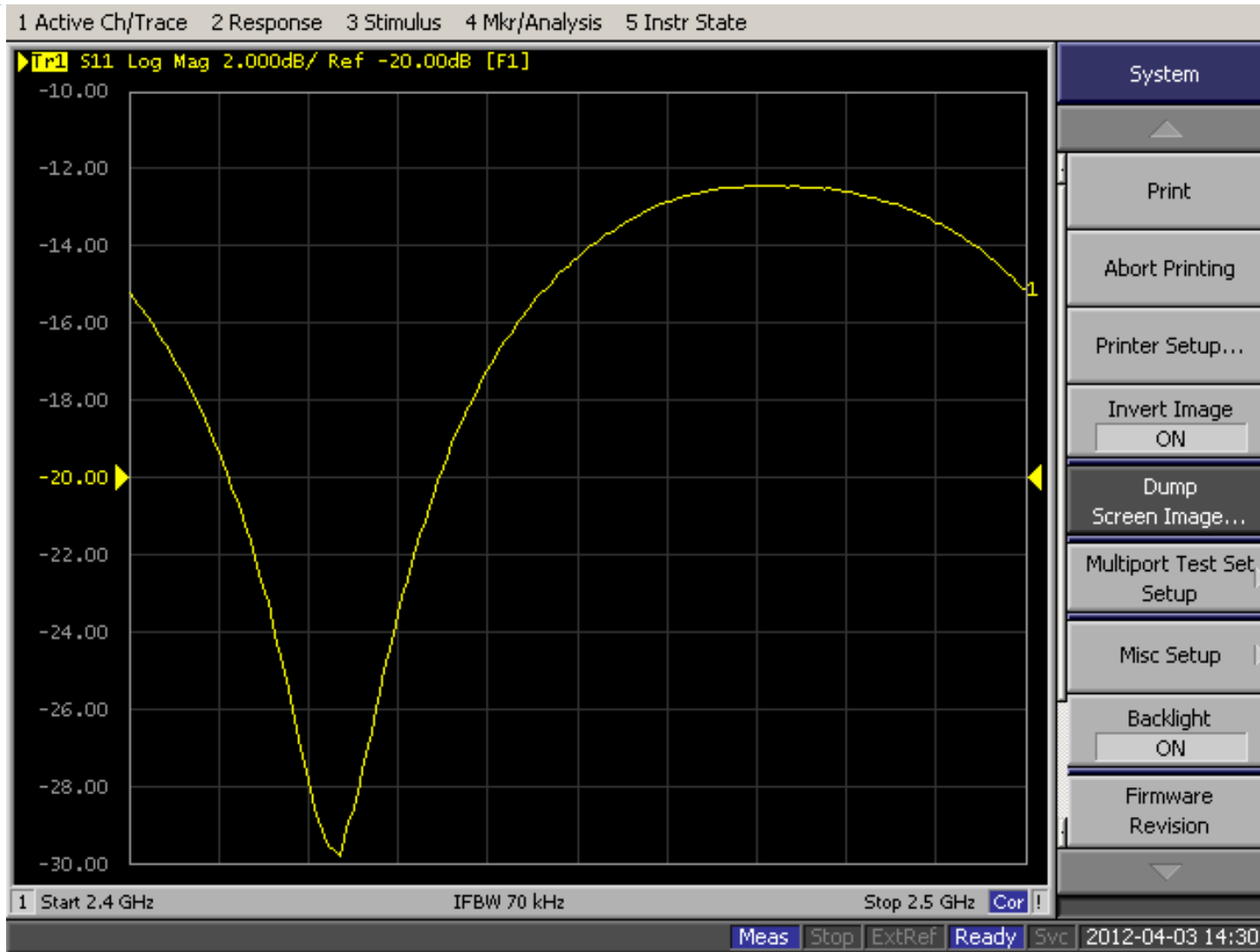
Spec: 2.0:1 VSWR or 9.5dB RL maximum

LOW BAND PORT-3



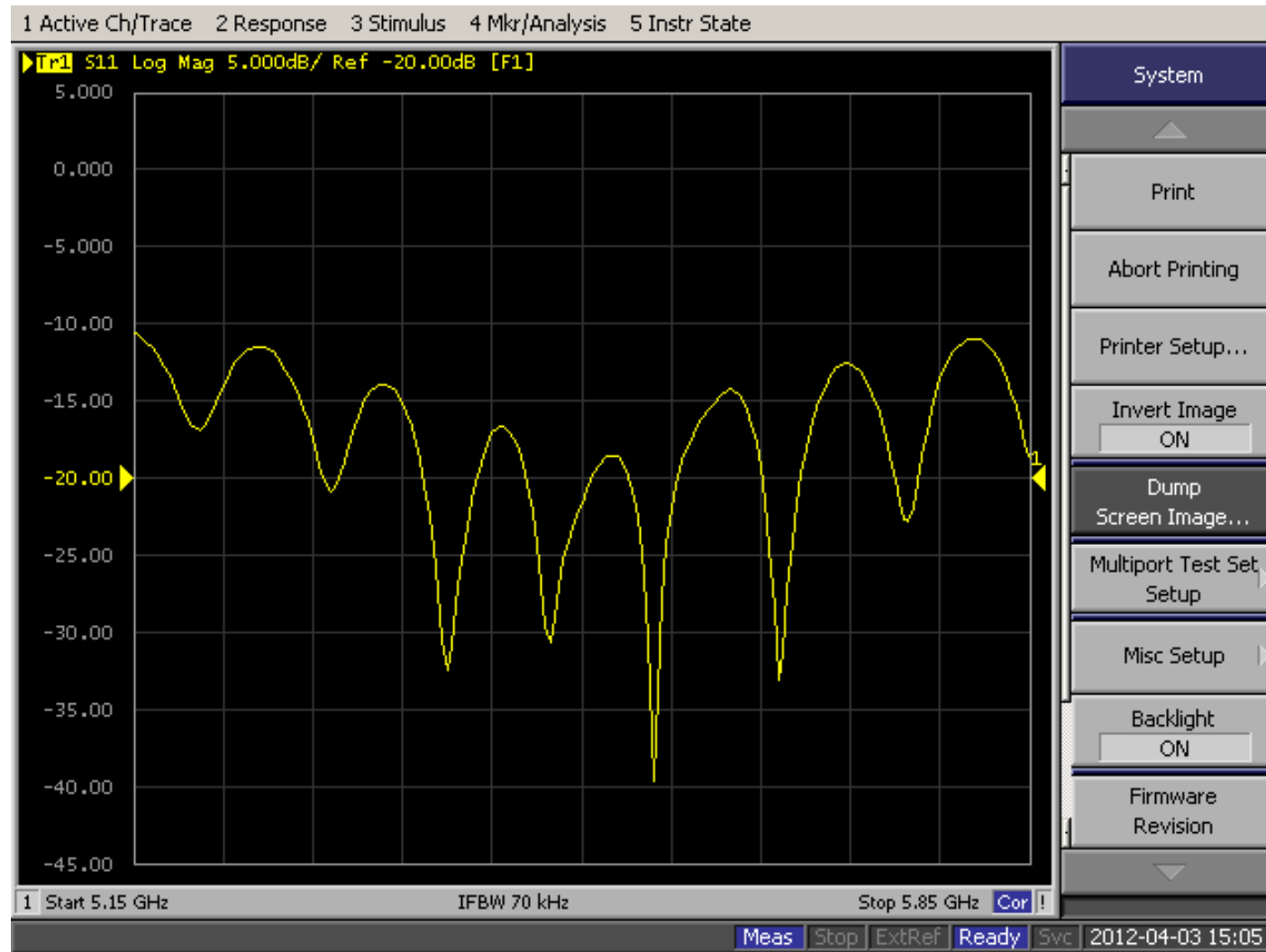
Spec: 2.0:1 VSWR or 9.5dB RL maximum

LOW BAND PORT-4



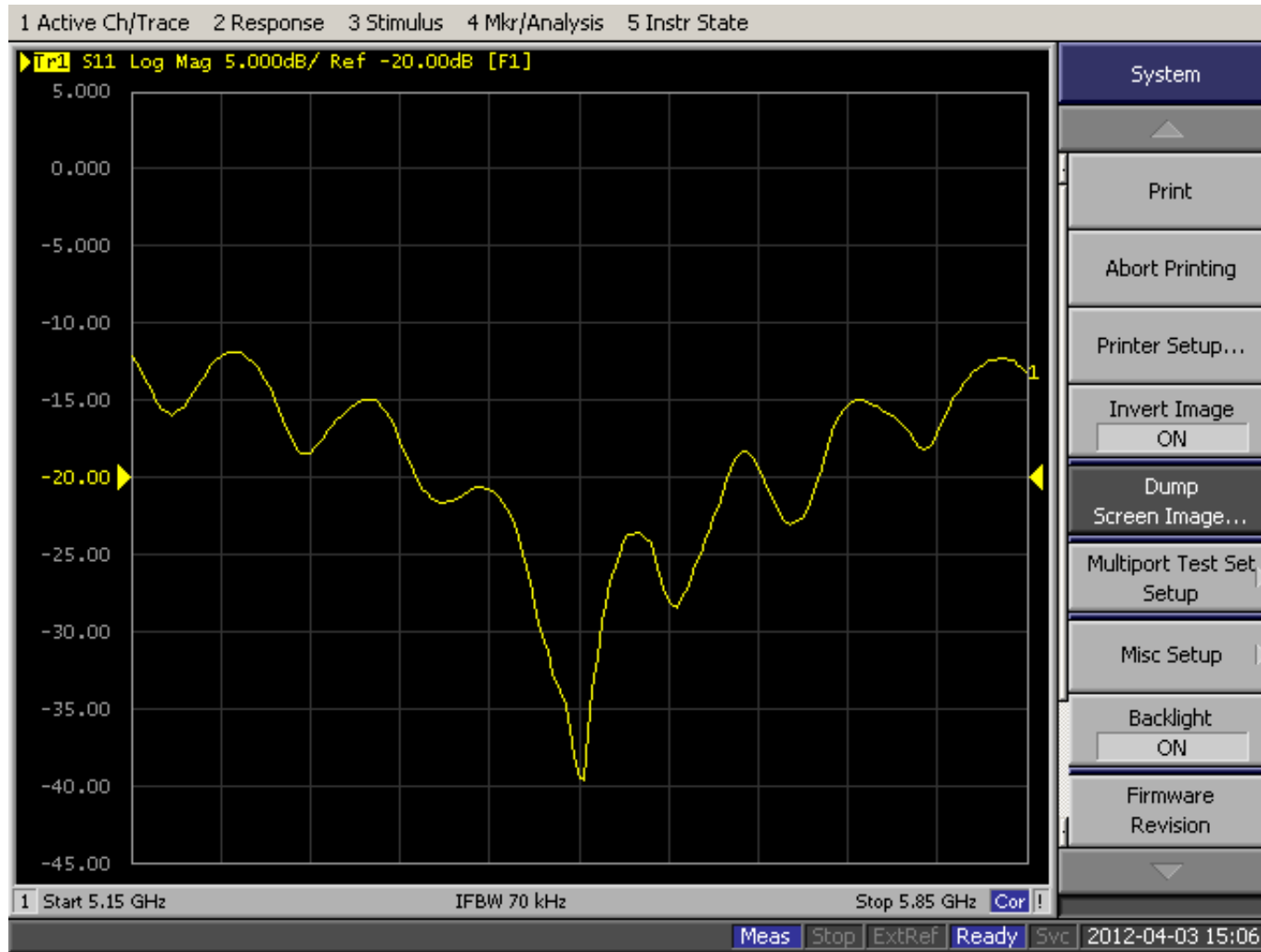
Spec: 2.0:1 VSWR or 9.5dB RL maximum

HIGH BAND PORT-1



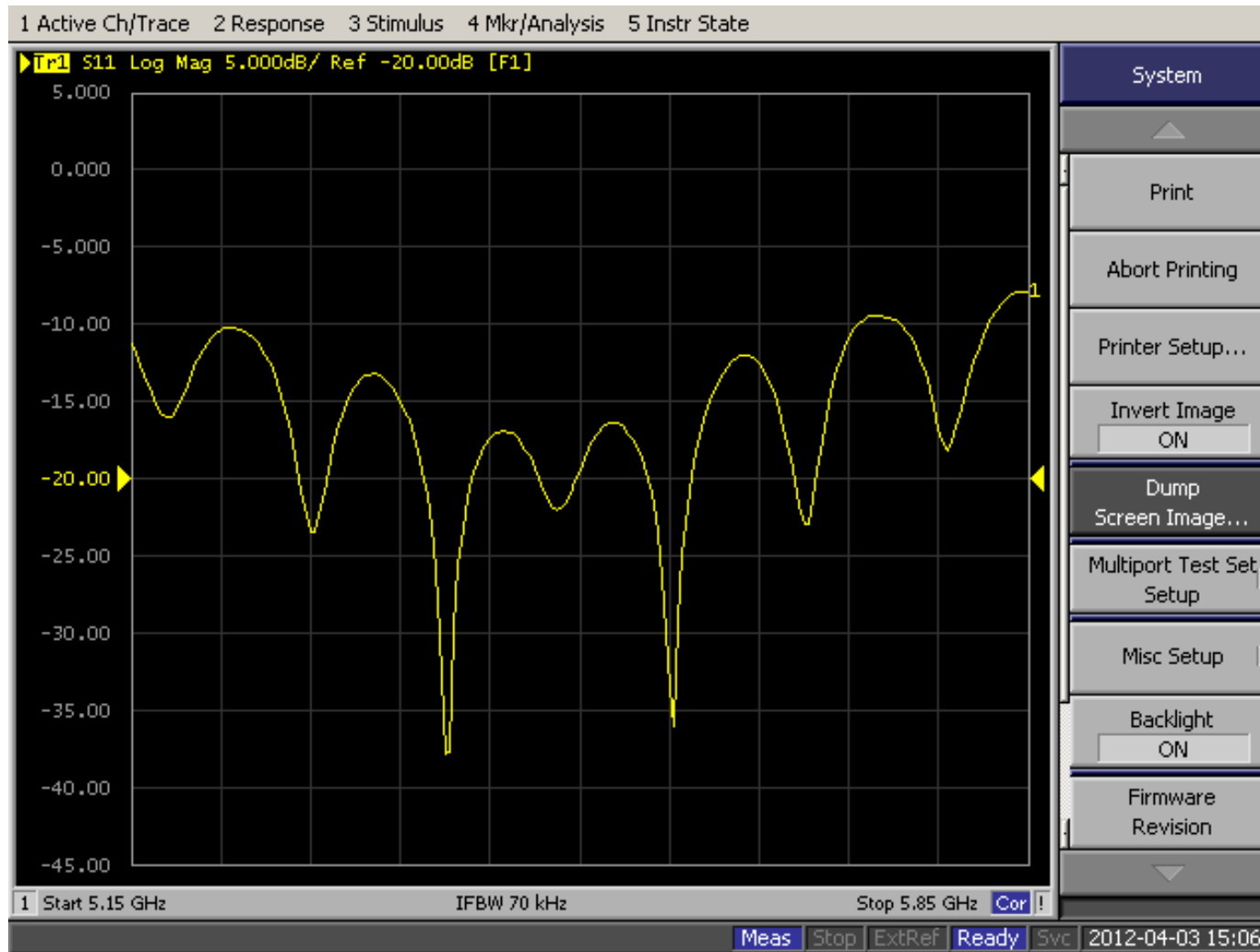
Spec: 2.0:1 VSWR or 9.5dB RL maximum

HIGH BAND PORT-2



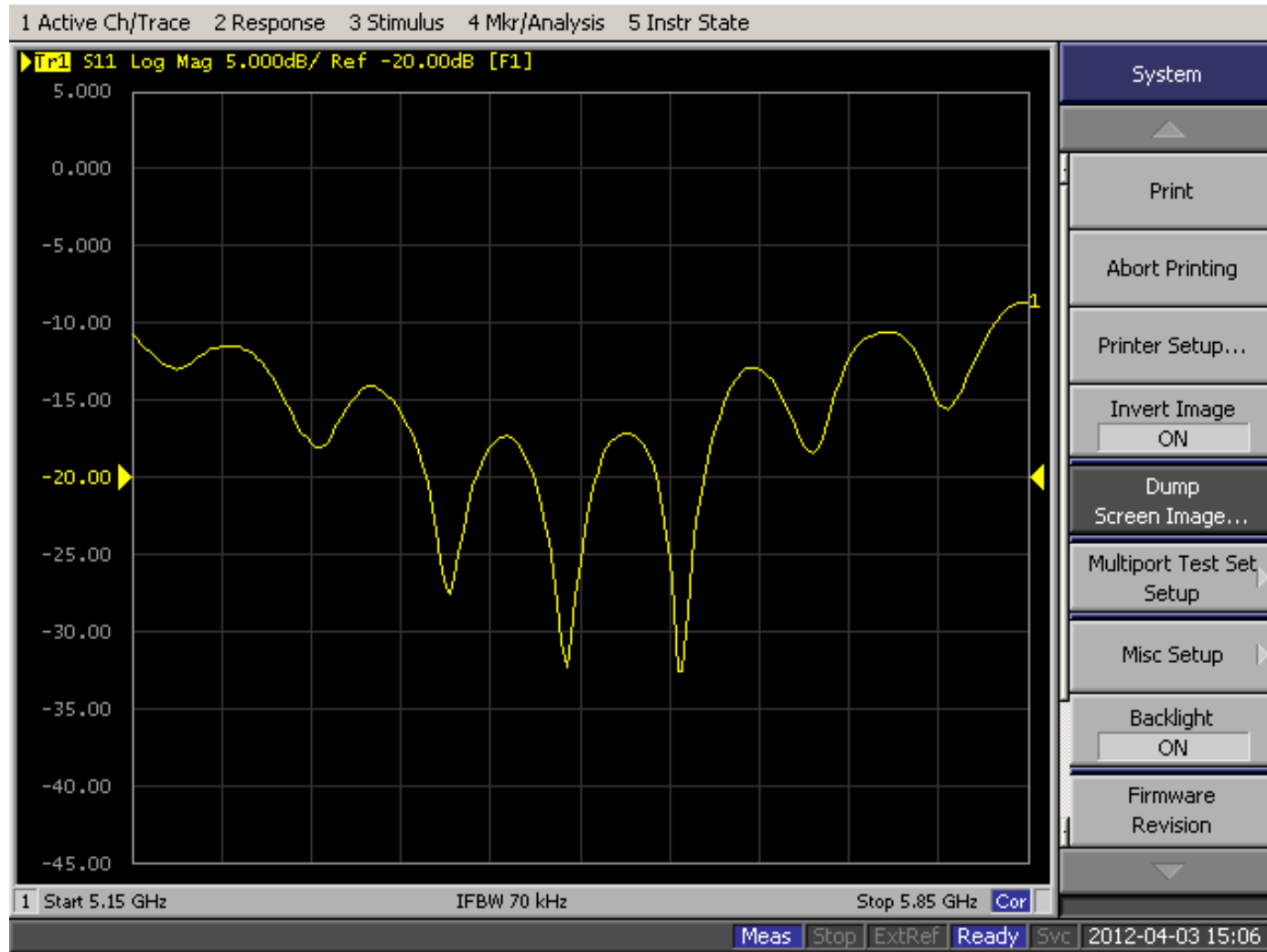
Spec: 2.0:1 VSWR or 9.5dB RL maximum

HIGH BAND PORT-3



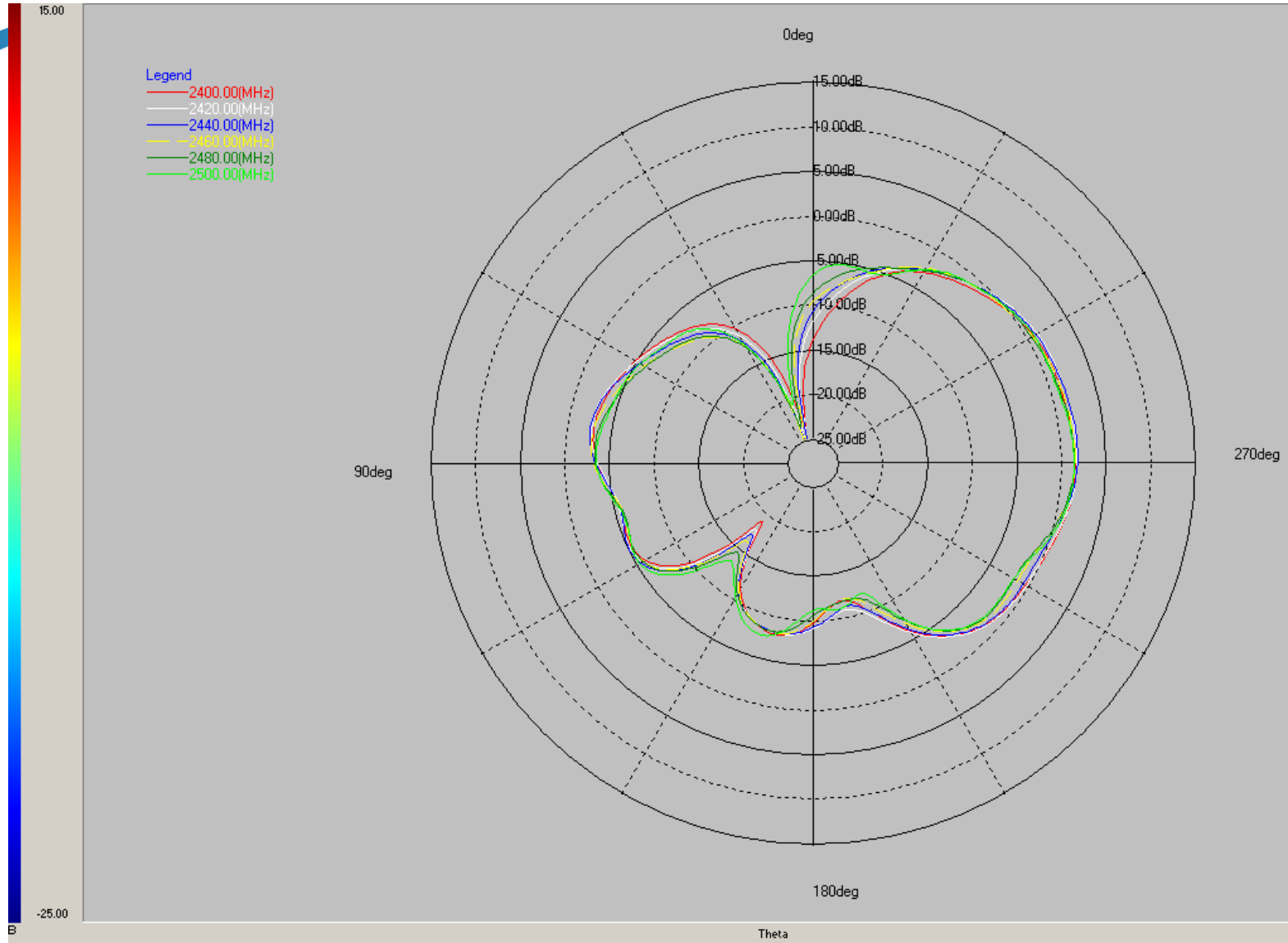
Spec: 2.0:1 VSWR or 9.5dB RL maximum

HIGH BAND PORT-4



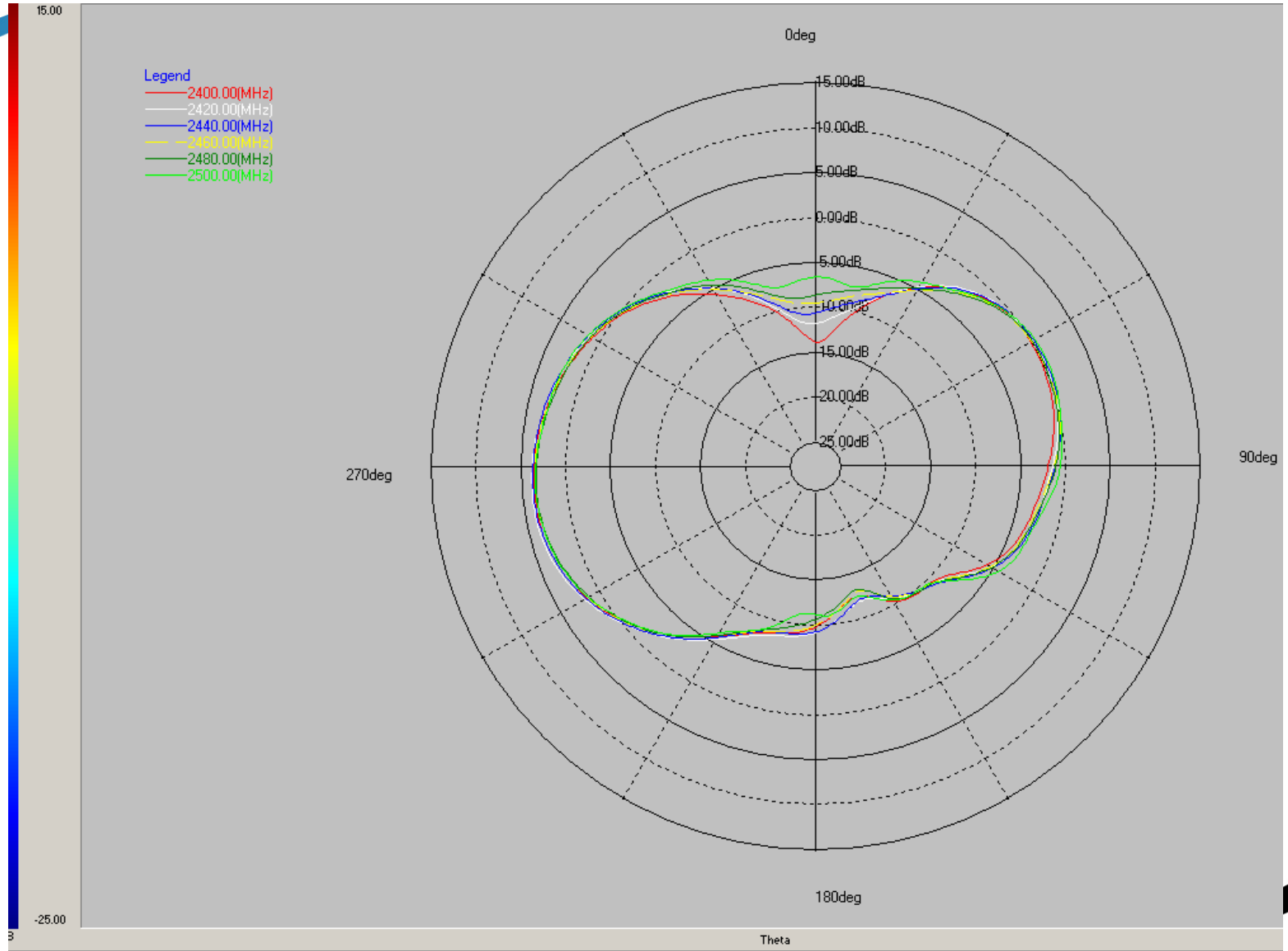
Spec: 2.0:1 VSWR or 9.5dB RL maximum

TOP-LEFT LOW BAND PHI=0



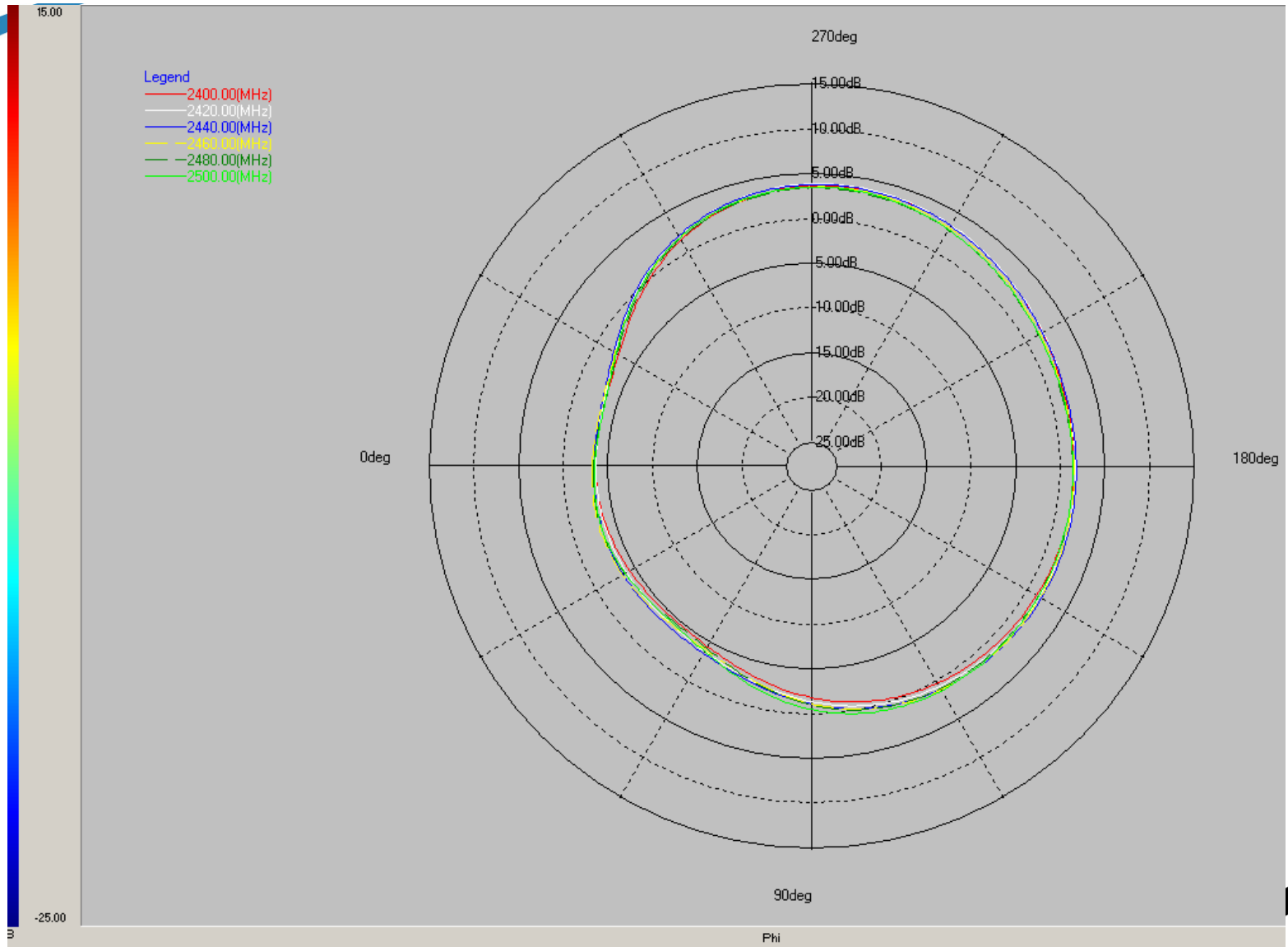
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	1.50 dB	-92.00 deg	-23.89 d...	13.00 deg	92.45 d...	25.39 dB	-4.59 dB	5.80	---	---	---	---
2420(MHz)	1.72 dB	-88.00 deg	-28.08 d...	16.00 deg	93.42 d...	29.81 dB	-4.35 dB	5.91	---	---	---	---
2440(MHz)	1.83 dB	-86.00 deg	-31.59 dB	17.00 deg	89.85 d...	33.42 dB	-4.43 dB	5.98	---	---	---	---
2460(MHz)	1.55 dB	-88.00 deg	-29.40 d...	18.00 deg	89.48 d...	30.96 dB	-4.72 dB	5.69	---	---	---	---
2480(MHz)	1.41 dB	-89.00 deg	-23.54 d...	19.00 deg	77.47 d...	24.95 dB	-4.76 dB	5.25	---	---	---	---
2500(MHz)	1.40 dB	-90.00 deg	-20.93 d...	19.00 deg	79.93 d...	22.34 dB	-4.58 dB	4.93	---	---	---	---

TOP-LEFT LOW BAND PHI=90



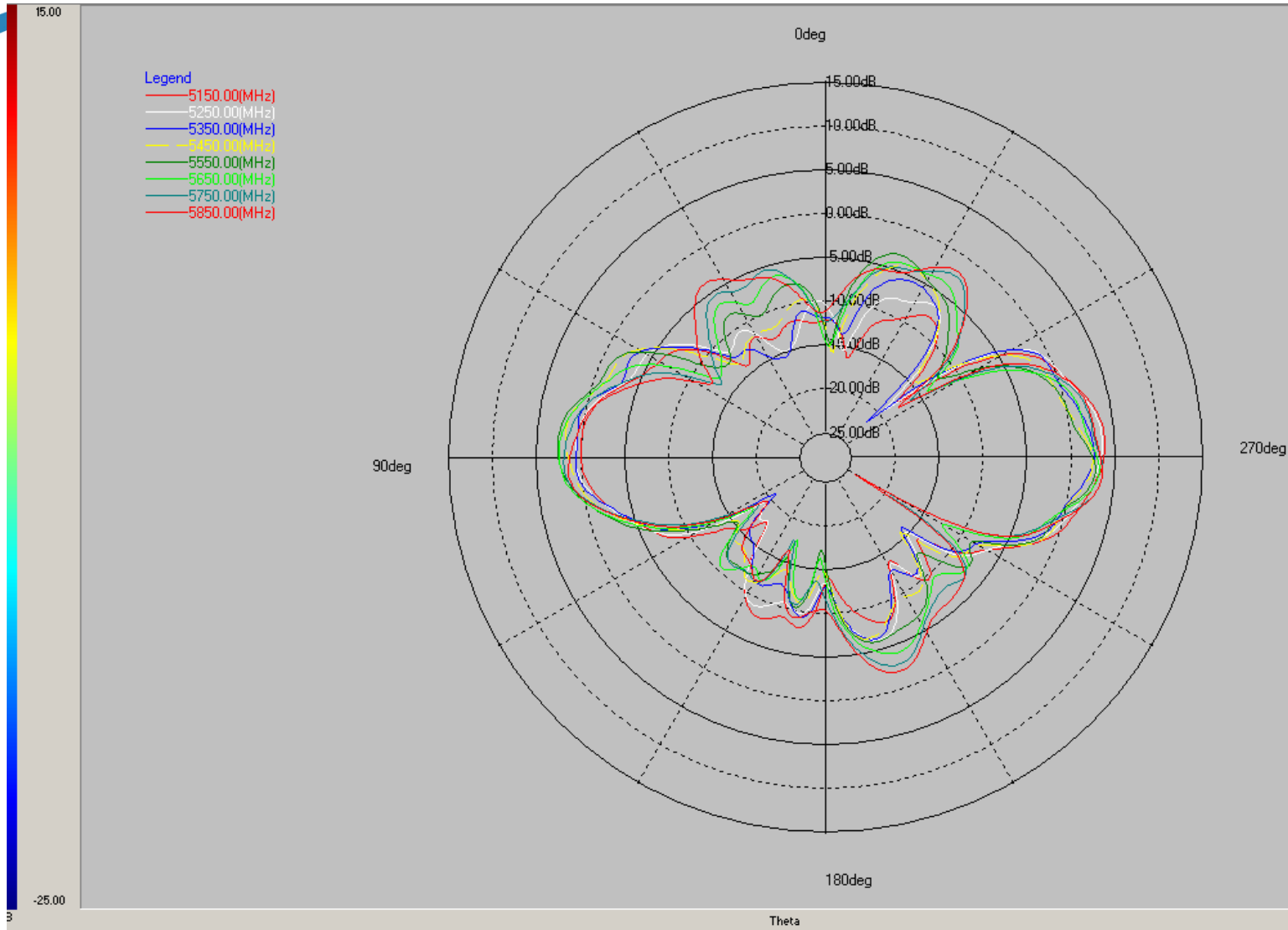
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	3.61 dB	-97.00 deg	-14.05 dB	1.00 deg	66.19 deg	17.67 dB	-3.01 dB	5.12	----	----	----	----
2420(MHz)	3.85 dB	-98.00 deg	-11.98 dB	161.00 d...	67.73 d...	15.83 dB	-2.63 dB	4.98	----	----	----	----
2440(MHz)	3.70 dB	-95.00 deg	-12.19 dB	160.00 d...	69.19 deg	15.89 dB	-2.63 dB	4.89	----	----	----	----
2460(MHz)	3.45 dB	-94.00 deg	-13.05 dB	161.00 d...	69.12 deg	16.50 dB	-2.83 dB	4.80	----	----	----	----
2480(MHz)	3.36 dB	-96.00 deg	-13.32 dB	162.00 d...	70.08 d...	16.68 dB	-2.80 dB	4.74	----	----	----	----
2500(MHz)	3.48 dB	-95.00 deg	-12.58 dB	163.00 d...	70.51 deg	16.05 dB	-2.50 dB	4.70	----	----	----	----

TOP-LEFT LOW BAND THETA=90



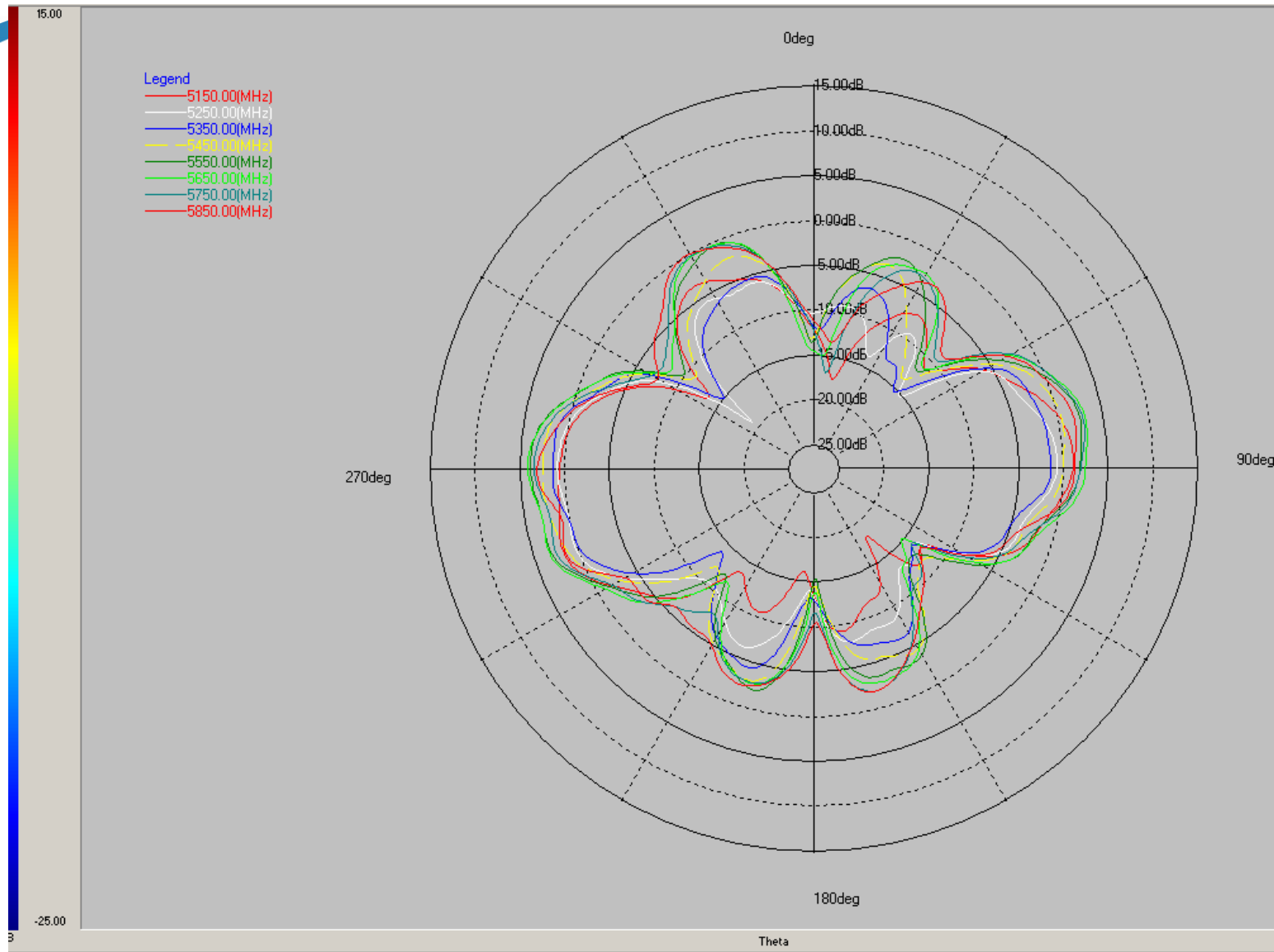
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	3.62 dB	260.00 deg	-4.76 dB	49.00 d...	176.73 d...	8.38 dB	0.10 dB	2.81	----	----	----	----
2420(MHz)	3.76 dB	263.00 deg	-4.15 dB	47.00 d...	186.71 d...	7.91 dB	0.38 dB	2.74	----	----	----	----
2440(MHz)	3.66 dB	263.00 deg	-3.78 dB	50.00 d...	197.25 d...	7.44 dB	0.49 dB	2.61	----	----	----	----
2460(MHz)	3.44 dB	262.00 deg	-4.20 dB	53.00 d...	201.23 d...	7.64 dB	0.33 dB	2.55	----	----	----	----
2480(MHz)	3.28 dB	265.00 deg	-4.56 dB	51.00 deg	204.04 ...	7.83 dB	0.16 dB	2.56	----	----	----	----
2500(MHz)	3.38 dB	266.00 deg	-4.33 dB	48.00 d...	209.12 d...	7.70 dB	0.29 dB	2.55	----	----	----	----

TOP-LEFT HIGH BAND PHI=0



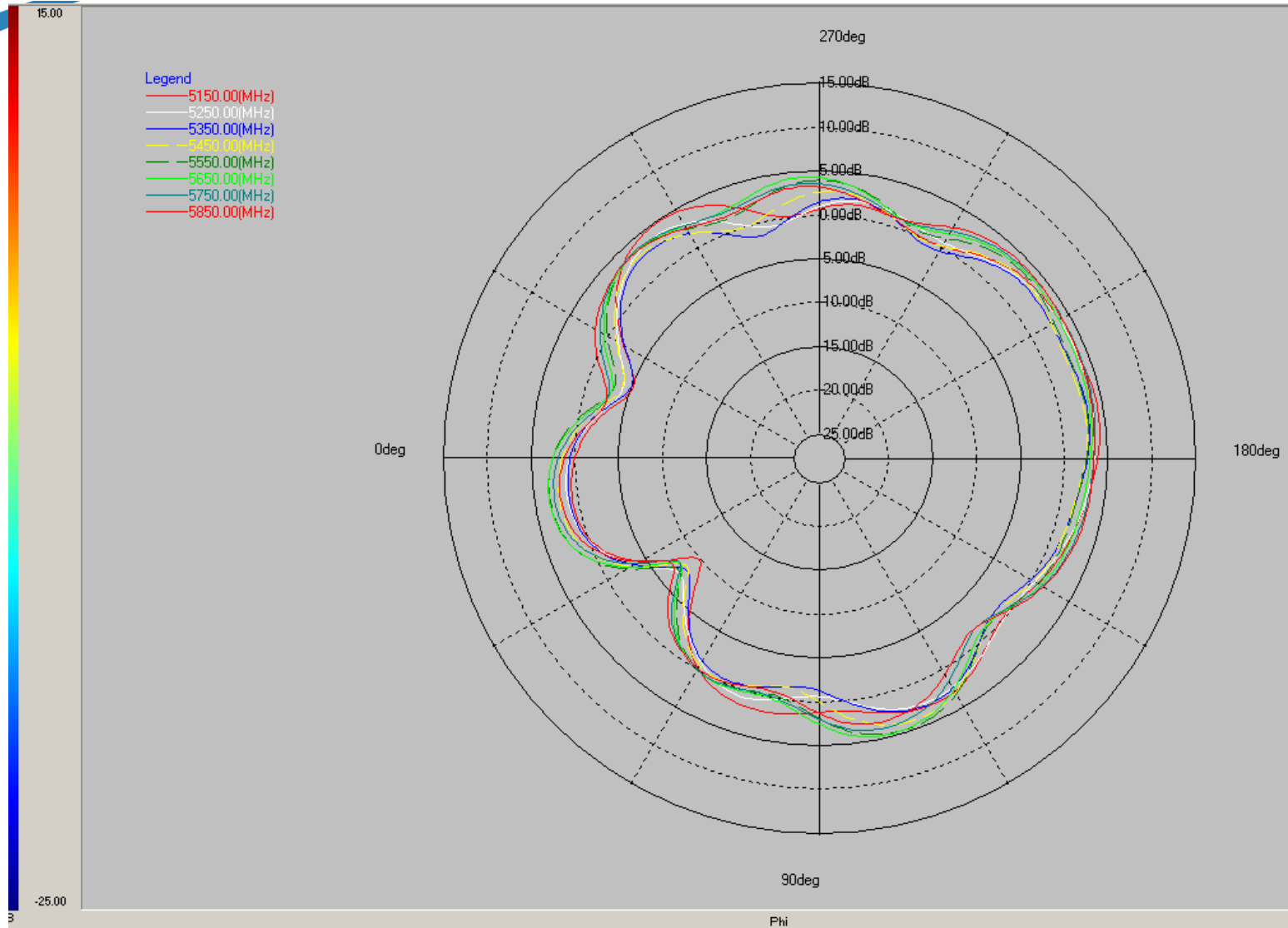
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
5150(MHz)	3.96 dB	-87.00 deg	-17.97 dB	138.00 d...	32.29 d...	21.93 dB	-6.05 dB	5.63	----	----	----	----
5250(MHz)	3.64 dB	-86.00 deg	-19.64 dB	-51.00 d...	32.13 deg	23.28 dB	-5.87 dB	5.81	----	----	----	----
5350(MHz)	2.65 dB	-89.00 deg	-21.79 dB	-49.00 d...	34.39 d...	24.45 dB	-6.22 dB	5.84	----	----	----	----
5450(MHz)	2.53 dB	-91.00 deg	-15.94 dB	-4.00 deg	29.68 d...	18.47 dB	-5.81 dB	5.38	----	----	----	----
5550(MHz)	2.89 dB	-93.00 deg	-17.33 dB	178.00 d...	26.12 deg	20.22 dB	-5.28 dB	5.18	----	----	----	----
5650(MHz)	3.28 dB	-93.00 deg	-17.99 dB	161.00 d...	28.73 d...	21.27 dB	-5.21 dB	5.32	----	----	----	----
5750(MHz)	3.71 dB	-93.00 deg	-19.31 dB	-121.00 ...	29.88 d...	23.02 dB	-5.00 dB	5.42	----	----	----	----
5850(MHz)	3.62 dB	-93.00 deg	-24.04 d...	-121.00 ...	31.87 deg	27.66 dB	-4.80 dB	5.53	----	----	----	----

TOP-LEFT HIGH BAND PHI=90



Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
5150(MHz)	1.65 dB	-108.00 deg	-18.26 dB	142.00 d...	43.53 d...	19.91 dB	-5.68 dB	5.45	----	----	----	----
5250(MHz)	0.79 dB	-90.00 deg	-19.17 dB	-53.00 d...	45.56 d...	19.96 dB	-6.15 dB	4.52	----	----	----	----
5350(MHz)	1.36 dB	-92.00 deg	-15.45 dB	46.00 d...	41.98 deg	16.80 dB	-5.85 dB	4.46	----	----	----	----
5450(MHz)	2.48 dB	-93.00 deg	-14.69 dB	-180.00 ...	41.69 deg	17.17 dB	-4.26 dB	4.46	----	----	----	----
5550(MHz)	3.80 dB	-89.00 deg	-15.50 dB	179.00 d...	40.59 d...	19.30 dB	-3.01 dB	4.80	----	----	----	----
5650(MHz)	4.09 dB	-89.00 deg	-15.32 dB	129.00 d...	40.04 d...	19.41 dB	-2.82 dB	5.18	----	----	----	----

TOP-LEFT HIGH BAND THETA=90

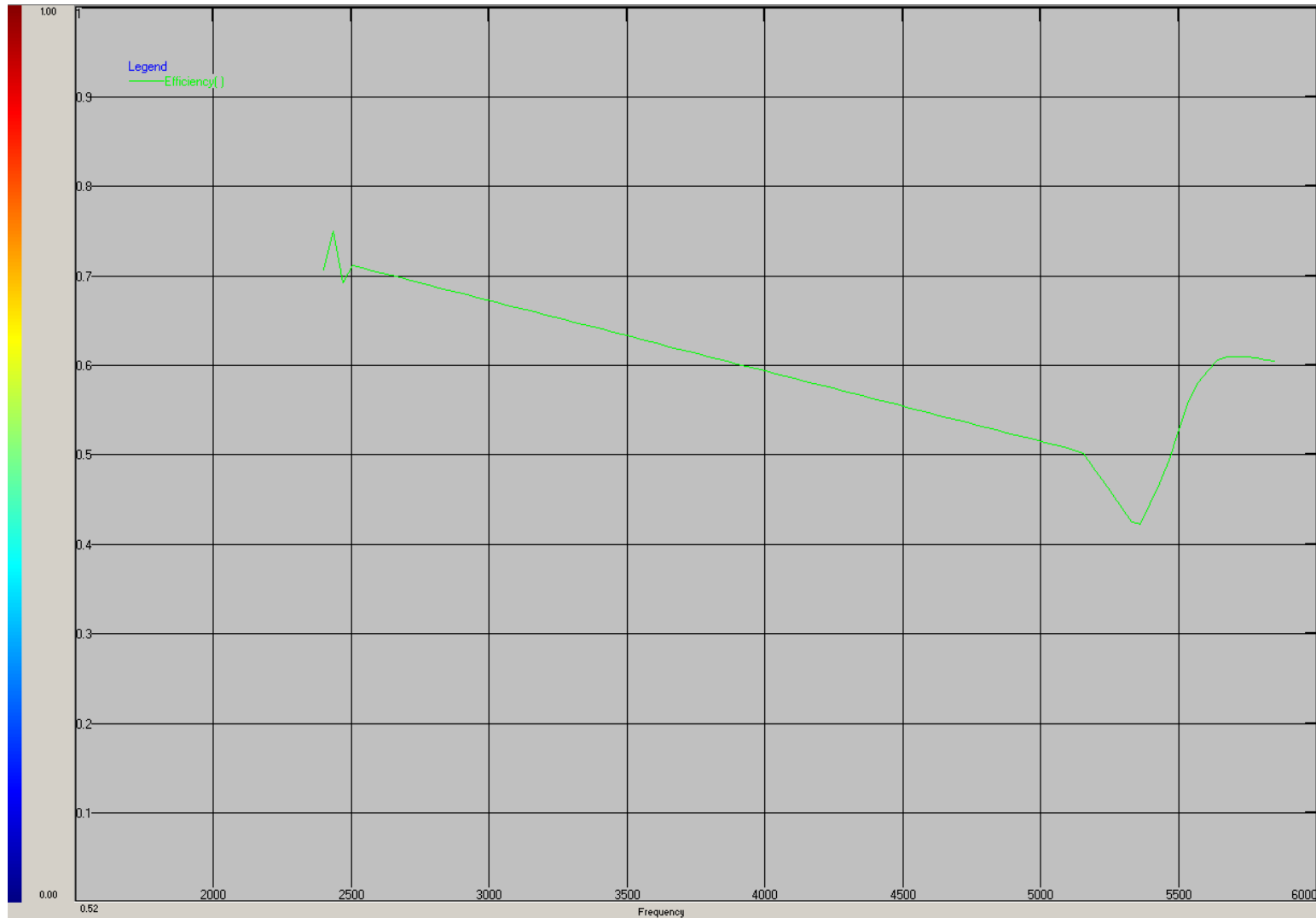


Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
5150(MHz)	4.71 dB	305.00 deg	-3.99 dB	40.00 d...	34.74 d...	14.70 dB	1.18 dB	2.99	----	----	----	----
5250(MHz)	3.83 dB	201.00 deg	-7.25 dB	40.00 d...	81.77 deg	11.09 dB	0.89 dB	2.43	----	----	----	----
5350(MHz)	3.14 dB	190.00 deg	-8.08 dB	40.00 d...	83.97 d...	11.21 dB	0.33 dB	2.45	----	----	----	----
5450(MHz)	3.88 dB	111.00 deg	-8.41 dB	39.00 d...	35.12 deg	12.29 dB	0.86 dB	2.43	----	----	----	----
5550(MHz)	4.57 dB	108.00 deg	-7.39 dB	38.00 d...	36.70 d...	11.96 dB	1.61 dB	2.37	----	----	----	----
5650(MHz)	4.60 dB	105.00 deg	-8.00 dB	38.00 d...	36.85 d...	12.59 dB	1.87 dB	2.49	----	----	----	----
5750(MHz)	4.08 dB	215.00 deg	-8.04 dB	37.00 d...	96.89 d...	12.12 dB	1.74 dB	2.49	----	----	----	----
5850(MHz)	4.15 dB	219.00 deg	-7.27 dB	36.00 d...	99.13 deg	11.42 dB	1.56 dB	2.39	----	----	----	----

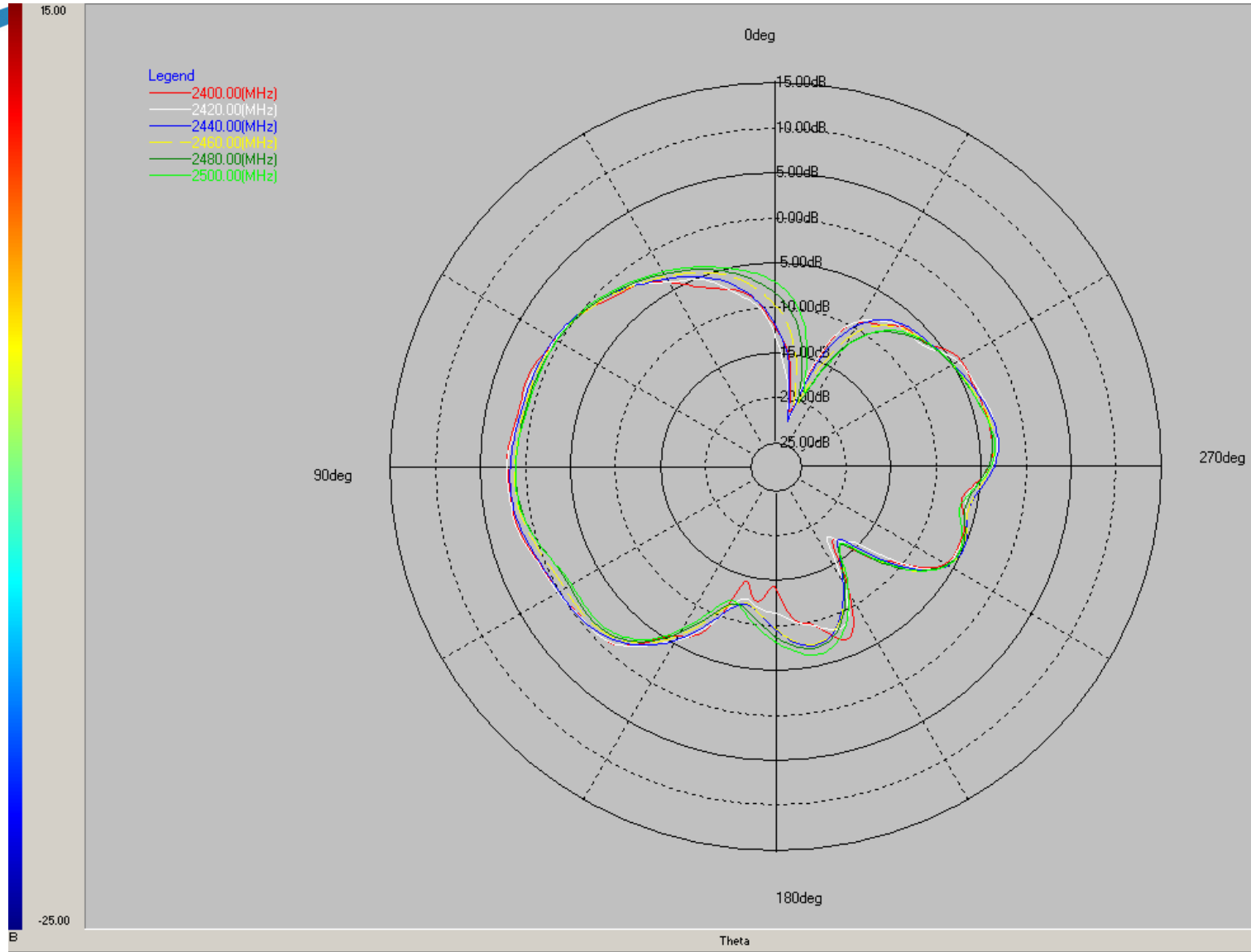
TOP-LEFT HIGH BAND MAX TO MAX (GAIN)



TOP-LEFT HIGH BAND EFFICIENCY %

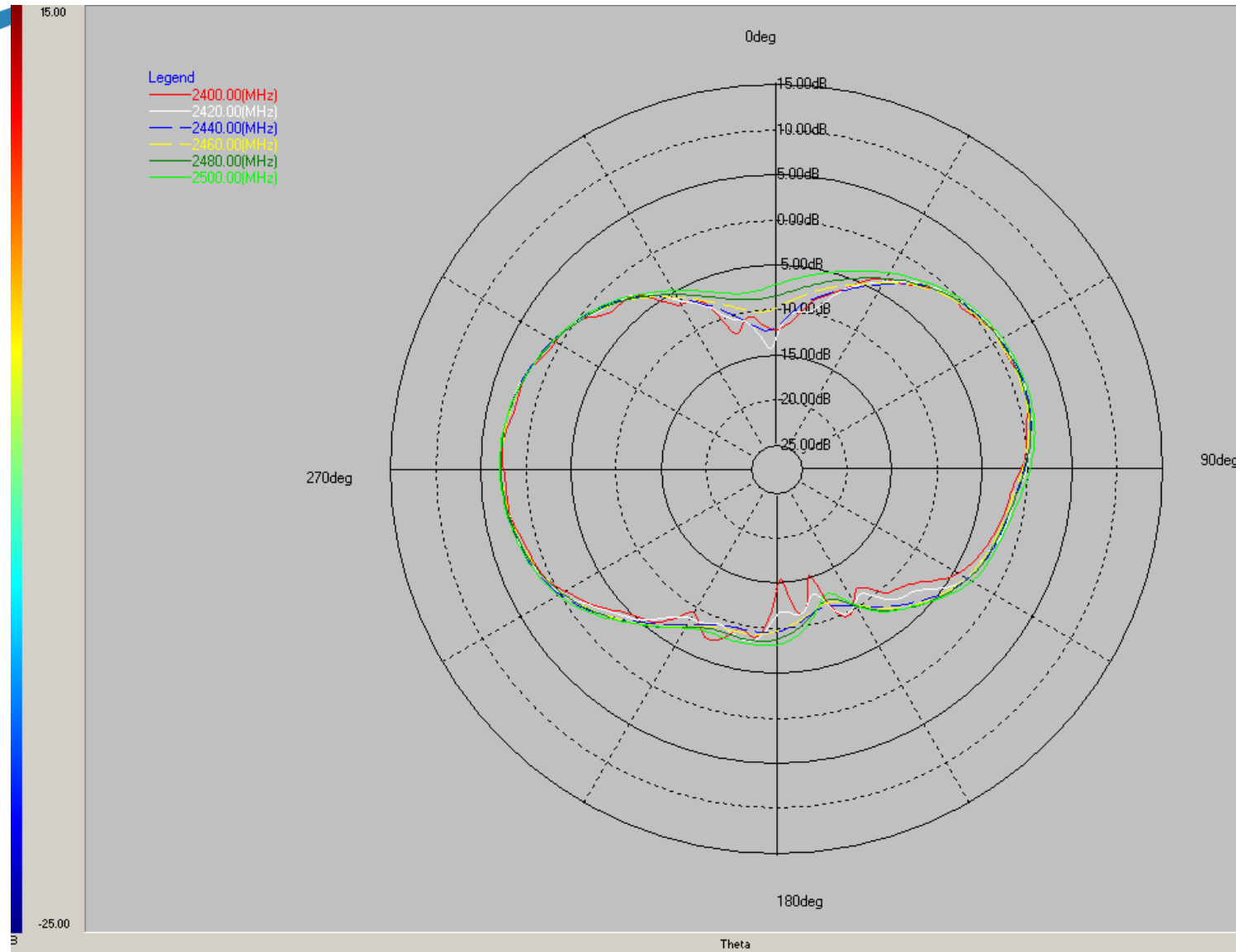


TOP-RIGHT LOW BAND PHI=0



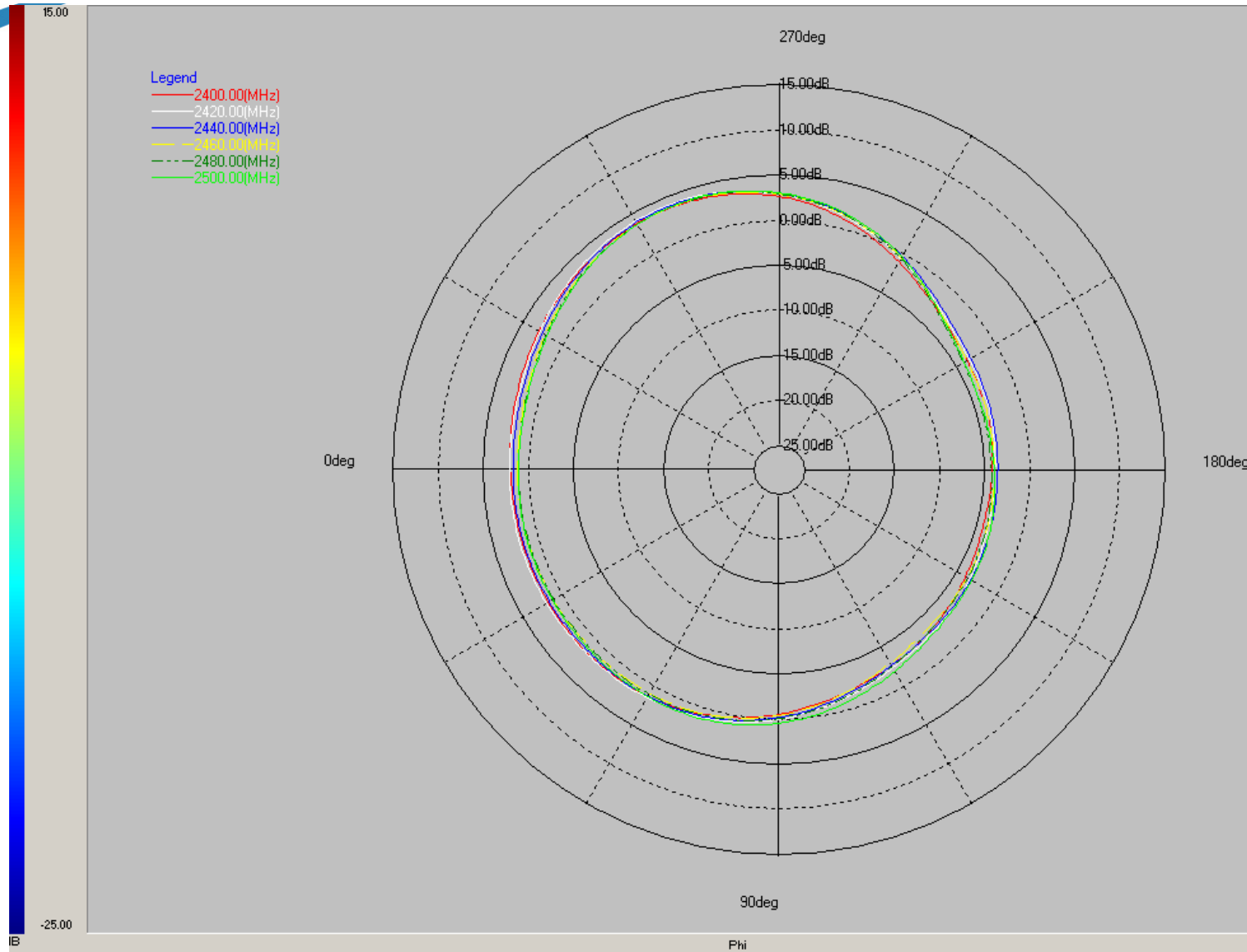
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	2.02 dB	88.00 deg	-21.56 dB	-14.00 d...	88.90 d...	23.58 dB	-4.54 dB	5.66	---	---	---	---
2420(MHz)	2.06 dB	91.00 deg	-22.37 d...	-14.00 d...	90.17 deg	24.43 dB	-4.48 dB	5.81	---	---	---	---
2440(MHz)	1.76 dB	94.00 deg	-22.67 d...	-15.00 d...	91.63 deg	24.43 dB	-4.40 dB	5.56	---	---	---	---
2460(MHz)	1.24 dB	94.00 deg	-21.06 dB	-18.00 d...	95.73 d...	22.30 dB	-4.61 dB	5.21	---	---	---	---
2480(MHz)	1.10 dB	93.00 deg	-20.30 d...	-20.00 d...	98.35 d...	21.40 dB	-4.66 dB	4.98	---	---	---	---
2500(MHz)	1.13 dB	93.00 deg	-18.95 dB	-21.00 d...	97.82 d...	20.08 dB	-4.55 dB	4.79	---	---	---	---

TOP-RIGHT LOW BAND PHI=90



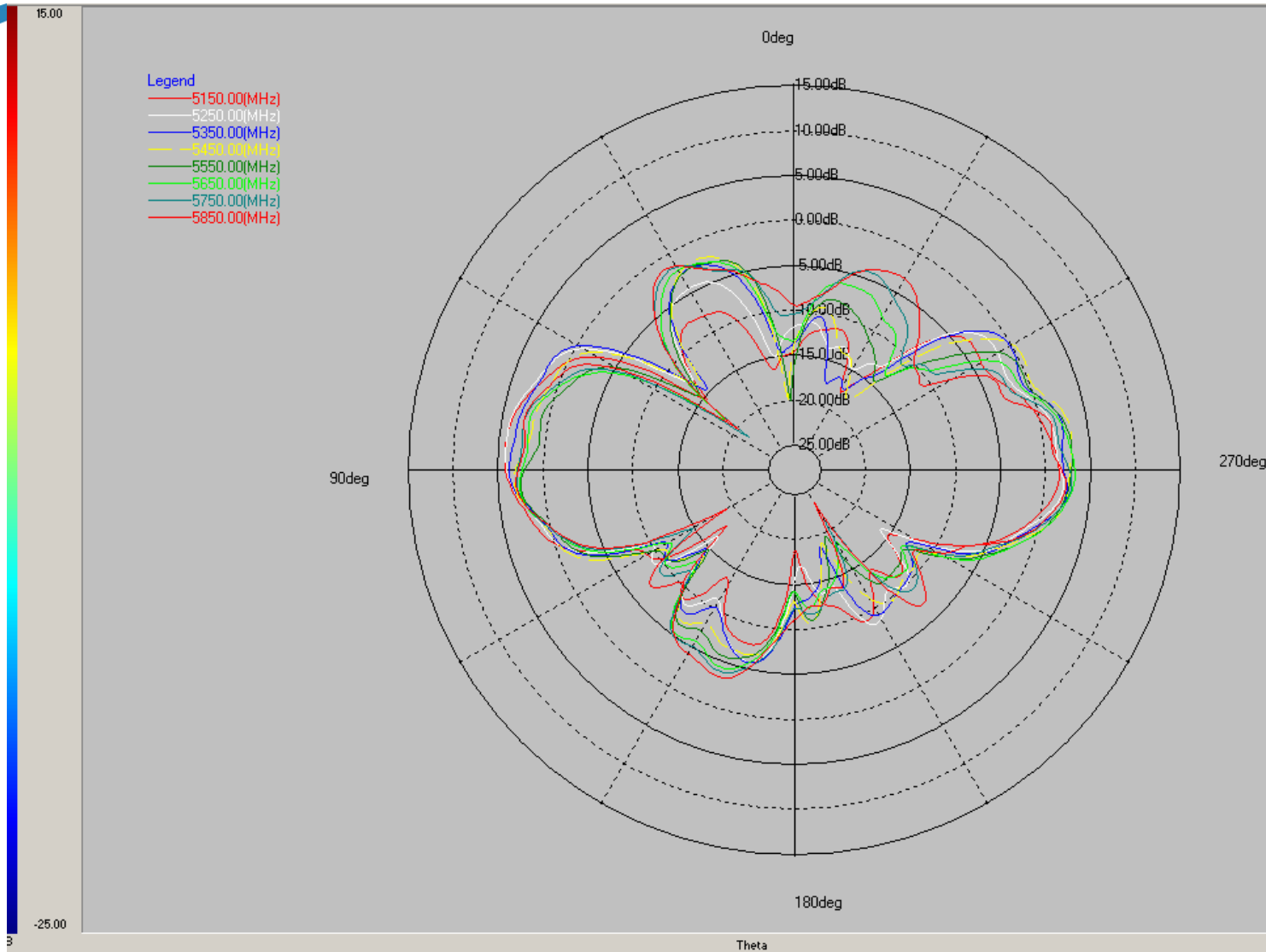
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	2.74 dB	-86.00 deg	-15.54 dB	178.00 d...	64.98 d...	18.28 dB	-3.30 dB	5.11	----	----	----	----
2420(MHz)	2.79 dB	-86.00 deg	-14.45 dB	-3.00 deg	66.42 d...	17.24 dB	-2.99 dB	5.07	----	----	----	----
2440(MHz)	2.85 dB	-87.00 deg	-12.42 dB	-4.00 deg	66.93 d...	15.27 dB	-2.84 dB	4.78	----	----	----	----
2460(MHz)	2.73 dB	-88.00 deg	-11.94 dB	160.00 d...	65.55 d...	14.68 dB	-2.89 dB	4.49	----	----	----	----
2480(MHz)	2.80 dB	-87.00 deg	-12.23 dB	159.00 d...	65.36 d...	15.02 dB	-2.66 dB	4.31	----	----	----	----
2500(MHz)	2.91 dB	-88.00 deg	-12.85 dB	158.00 d...	67.40 d...	15.76 dB	-2.32 dB	4.26	----	----	----	----

TOP-RIGHT LOW BAND THETA=90



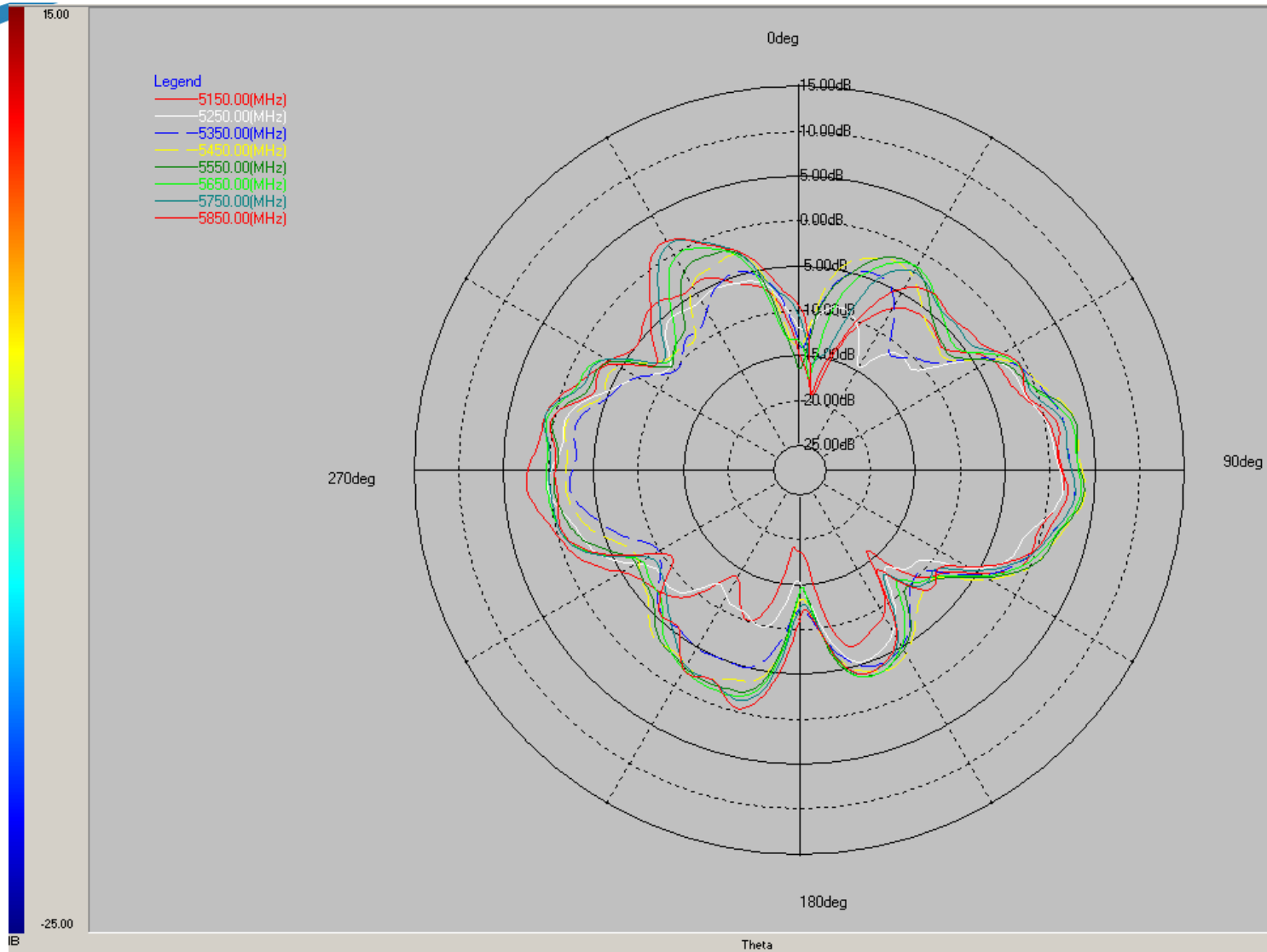
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	3.67 dB	299.00 deg	-4.30 dB	168.00 d...	----	7.97 dB	0.23 dB	2.76	----	----	----	----
2420(MHz)	3.99 dB	299.00 deg	-3.85 dB	174.00 d...	----	7.85 dB	0.48 dB	2.67	----	----	----	----
2440(MHz)	3.85 dB	295.00 deg	-3.53 dB	178.00 d...	----	7.38 dB	0.37 dB	2.53	----	----	----	----
2460(MHz)	3.65 dB	294.00 deg	-3.92 dB	181.00 d...	----	7.57 dB	0.03 dB	2.58	----	----	----	----
2480(MHz)	3.67 dB	292.00 deg	-4.35 dB	195.00 d...	----	8.02 dB	0.03 dB	2.61	----	----	----	----
2500(MHz)	3.70 dB	291.00 deg	-4.23 dB	200.00 ...	----	7.93 dB	0.23 dB	2.50	----	----	----	----

TOP-RIGHT HIGH BAND PHI=0



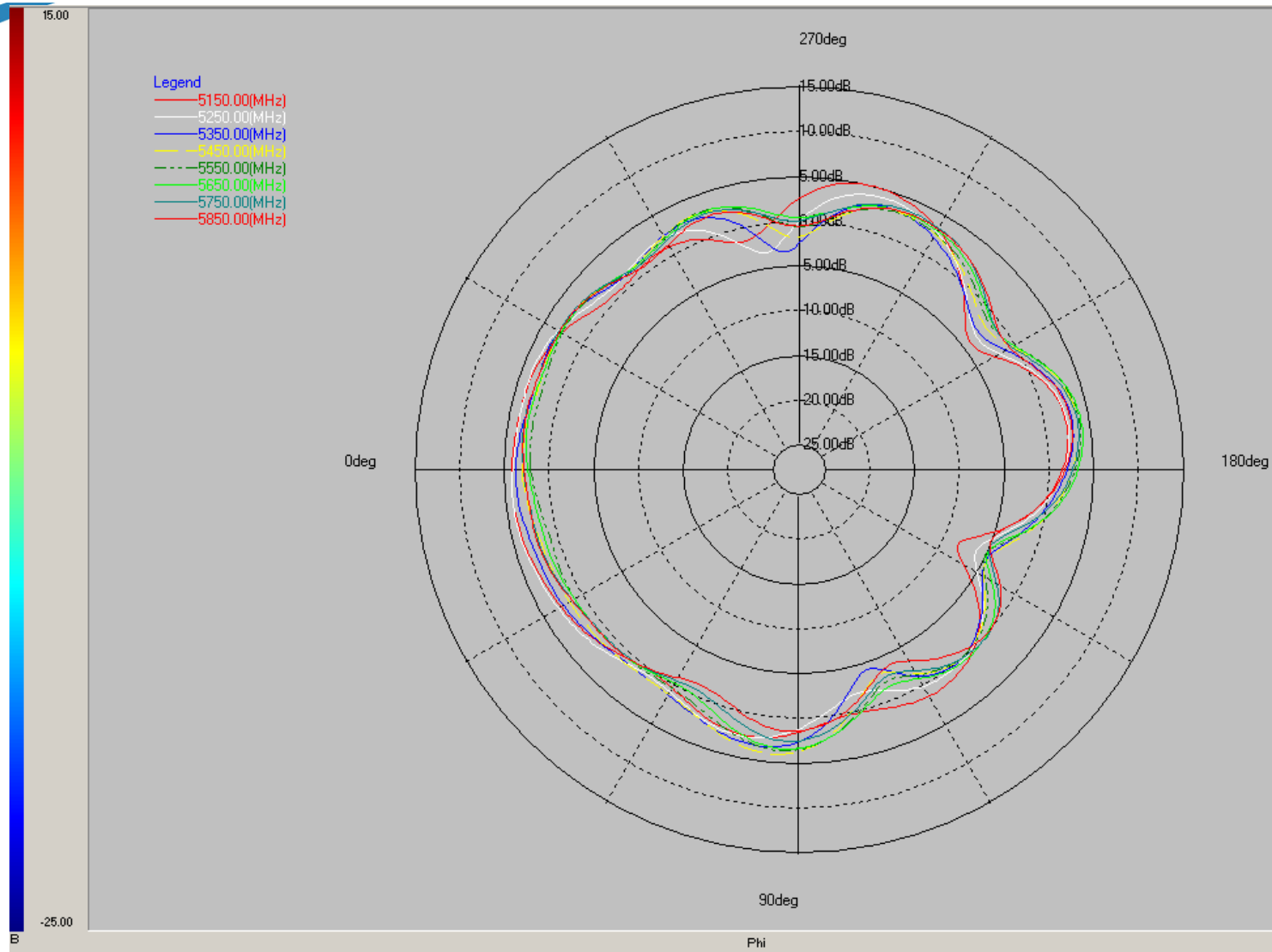
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
5150(MHz)	4.29 dB	86.00 deg	-18.94 dB	-179.00 ...	34.10 deg	23.23 dB	-5.62 dB	6.28	----	----	----	----
5250(MHz)	4.20 dB	85.00 deg	-17.14 dB	-176.00 ...	36.44 d...	21.34 dB	-4.86 dB	6.07	----	----	----	----
5350(MHz)	3.73 dB	90.00 deg	-18.85 dB	-162.00 ...	39.16 deg	22.57 dB	-4.58 dB	6.36	----	----	----	----
5450(MHz)	3.18 dB	-82.00 deg	-20.00 d...	5.00 deg	33.89 d...	23.18 dB	-4.58 dB	6.30	----	----	----	----
5550(MHz)	3.02 dB	-86.00 deg	-20.24 d...	3.00 deg	32.72 d...	23.26 dB	-5.02 dB	5.94	----	----	----	----
5650(MHz)	3.29 dB	-91.00 deg	-18.63 dB	-150.00 ...	30.32 d...	21.92 dB	-4.74 dB	5.76	----	----	----	----
5750(MHz)	2.96 dB	-93.00 deg	-21.62 dB	54.00 d...	28.74 d...	24.58 dB	-4.56 dB	5.48	----	----	----	----
5850(MHz)	3.02 dB	93.00 deg	-23.58 d...	-149.00 ...	35.43 d...	26.60 dB	-4.49 dB	5.47	----	----	----	----

TOP-RIGHT HIGH BAND PHI=90



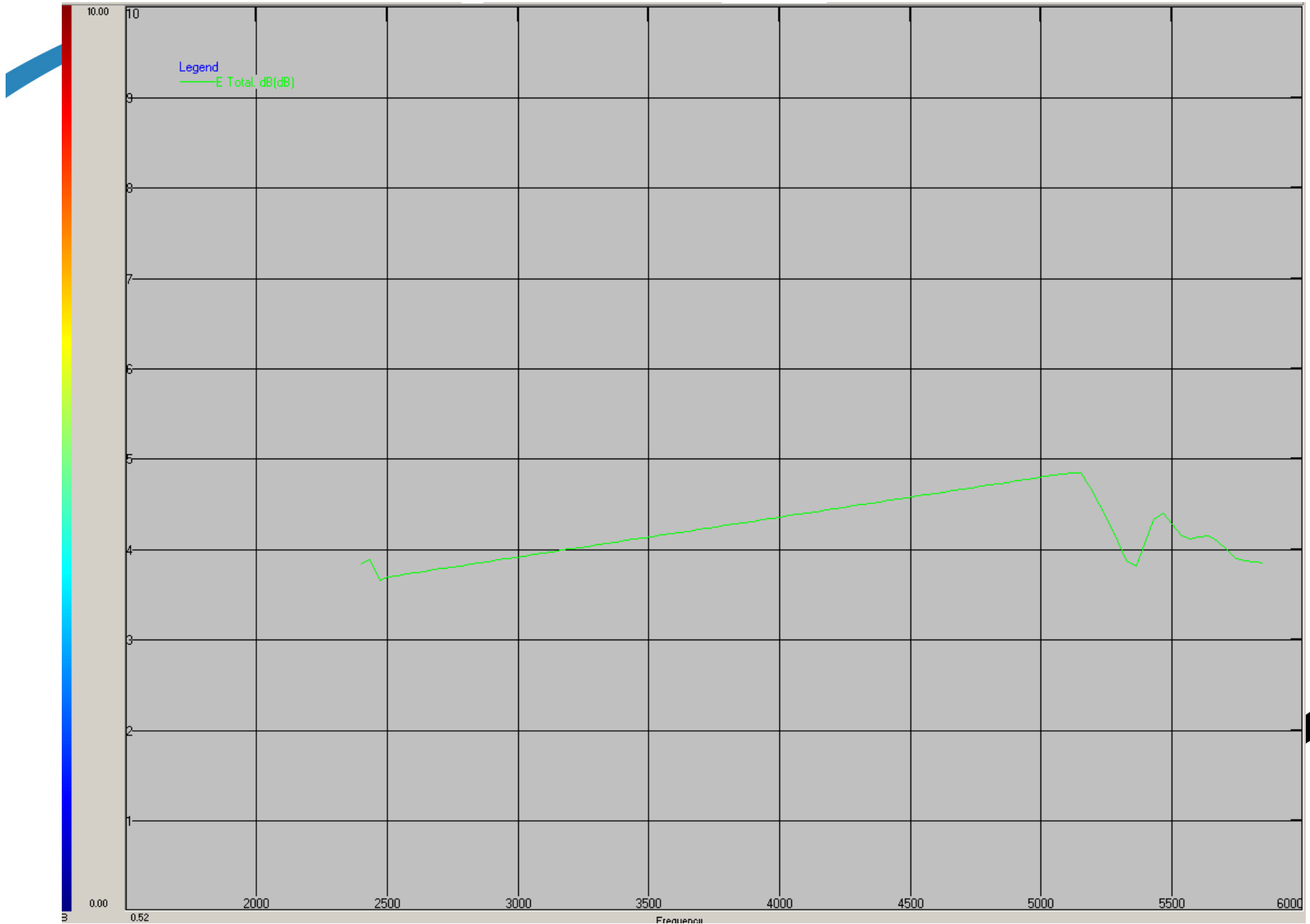
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
5150(MHz)	2.51 dB	-93.00 deg	-19.32 dB	10.00 deg	36.08 d...	21.83 dB	-4.82 dB	5.78	----	----	----	----
5250(MHz)	1.48 dB	94.00 deg	-15.51 dB	-179.00 ...	35.92 d...	17.00 dB	-5.82 dB	4.41	----	----	----	----
5350(MHz)	2.91 dB	95.00 deg	-14.28 dB	1.00 deg	40.43 d...	17.19 dB	-4.89 dB	3.85	----	----	----	----
5450(MHz)	4.03 dB	94.00 deg	-14.13 dB	0.00 deg	37.24 d...	18.16 dB	-3.56 dB	3.89	----	----	----	----
5550(MHz)	3.91 dB	94.00 deg	-16.61 dB	1.00 deg	36.45 d...	20.52 dB	-3.29 dB	4.22	----	----	----	----
5650(MHz)	3.56 dB	94.00 deg	-17.72 dB	6.00 deg	35.36 d...	21.27 dB	-3.10 dB	4.51	----	----	----	----
5750(MHz)	2.92 dB	95.00 deg	-16.06 dB	7.00 deg	35.46 d...	18.98 dB	-3.26 dB	4.38	----	----	----	----
5850(MHz)	2.13 dB	95.00 deg	-19.39 dB	9.00 deg	37.36 d...	21.52 dB	-3.52 dB	4.45	----	----	----	----

TOP-RIGHT HIGH BAND THETA=90

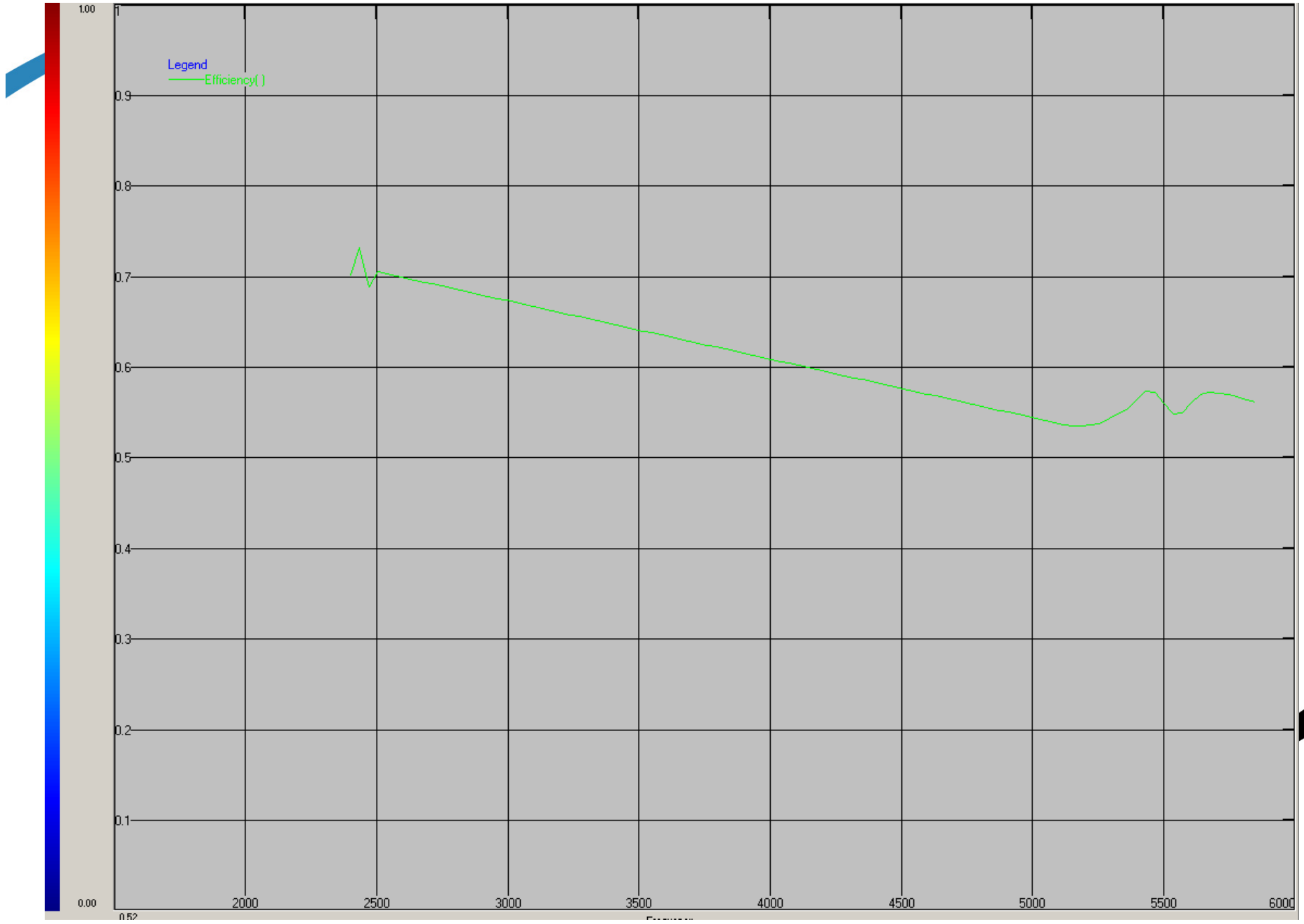


Layer	Max value	Position	Min val..	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val..	Marker 2 pos	Marker 2 val..
5150(MHz)	4.81 dB	255.00 deg	-8.25 dB	155.00 d...	36.67 d...	13.06 dB	1.28 dB	2.67	----	----	----	----
5250(MHz)	4.19 dB	7.00 deg	-6.10 dB	155.00 d...	----	10.29 dB	1.23 dB	2.45	----	----	----	----
5350(MHz)	3.73 dB	1.00 deg	-4.66 dB	154.00 d...	----	8.39 dB	1.12 dB	2.29	----	----	----	----
5450(MHz)	4.03 dB	84.00 deg	-4.61 dB	154.00 d...	39.56 d...	8.64 dB	1.33 dB	2.03	----	----	----	----
5550(MHz)	3.89 dB	190.00 deg	-4.98 dB	155.00 d...	35.15 deg	8.87 dB	1.18 dB	1.82	----	----	----	----
5650(MHz)	4.09 dB	189.00 deg	-4.88 dB	156.00 d...	34.21 deg	8.97 dB	1.38 dB	1.76	----	----	----	----
5750(MHz)	3.66 dB	190.00 deg	-4.87 dB	158.00 d...	33.56 d...	8.53 dB	1.26 dB	1.87	----	----	----	----
5850(MHz)	3.22 dB	244.00 deg	-4.96 dB	160.00 d...	43.53 d...	8.18 dB	0.90 dB	1.96	----	----	----	----

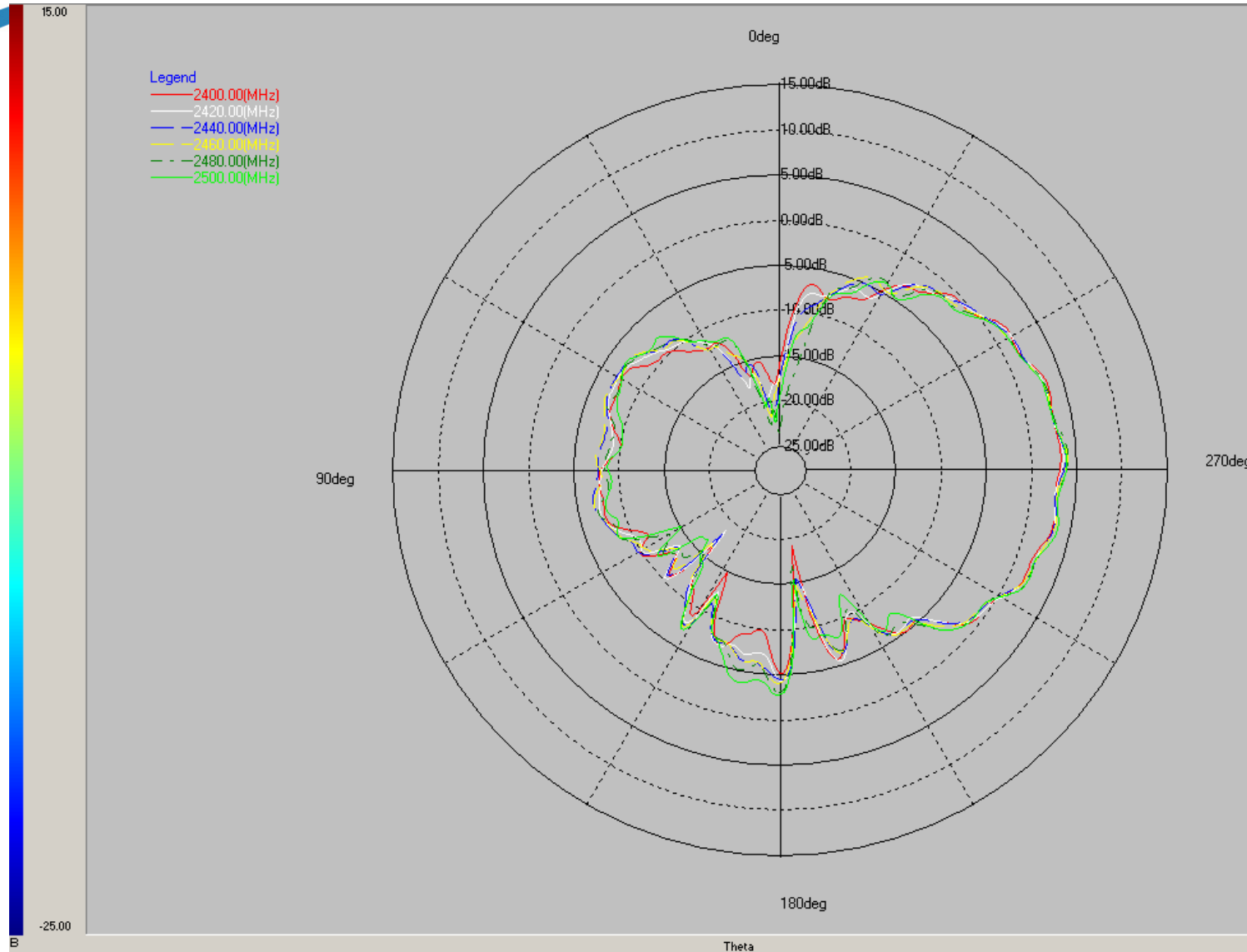
TOP-RIGHT HIGH BAND MAX TO MAX (GAIN)



TOP-RIGHT HIGH BAND EFFICIENCY %

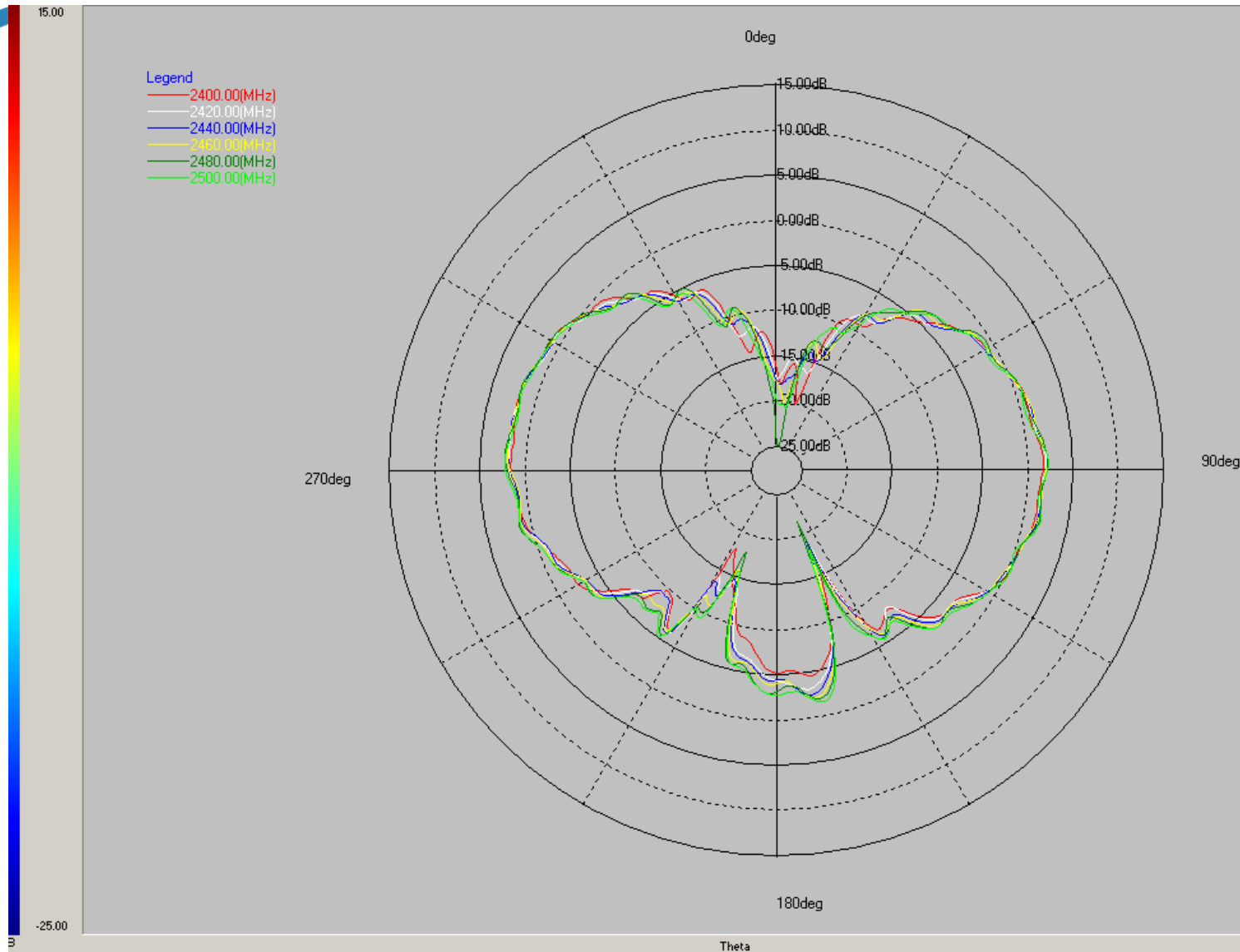


BOTTOM-LEFT LOW BAND PHI=0



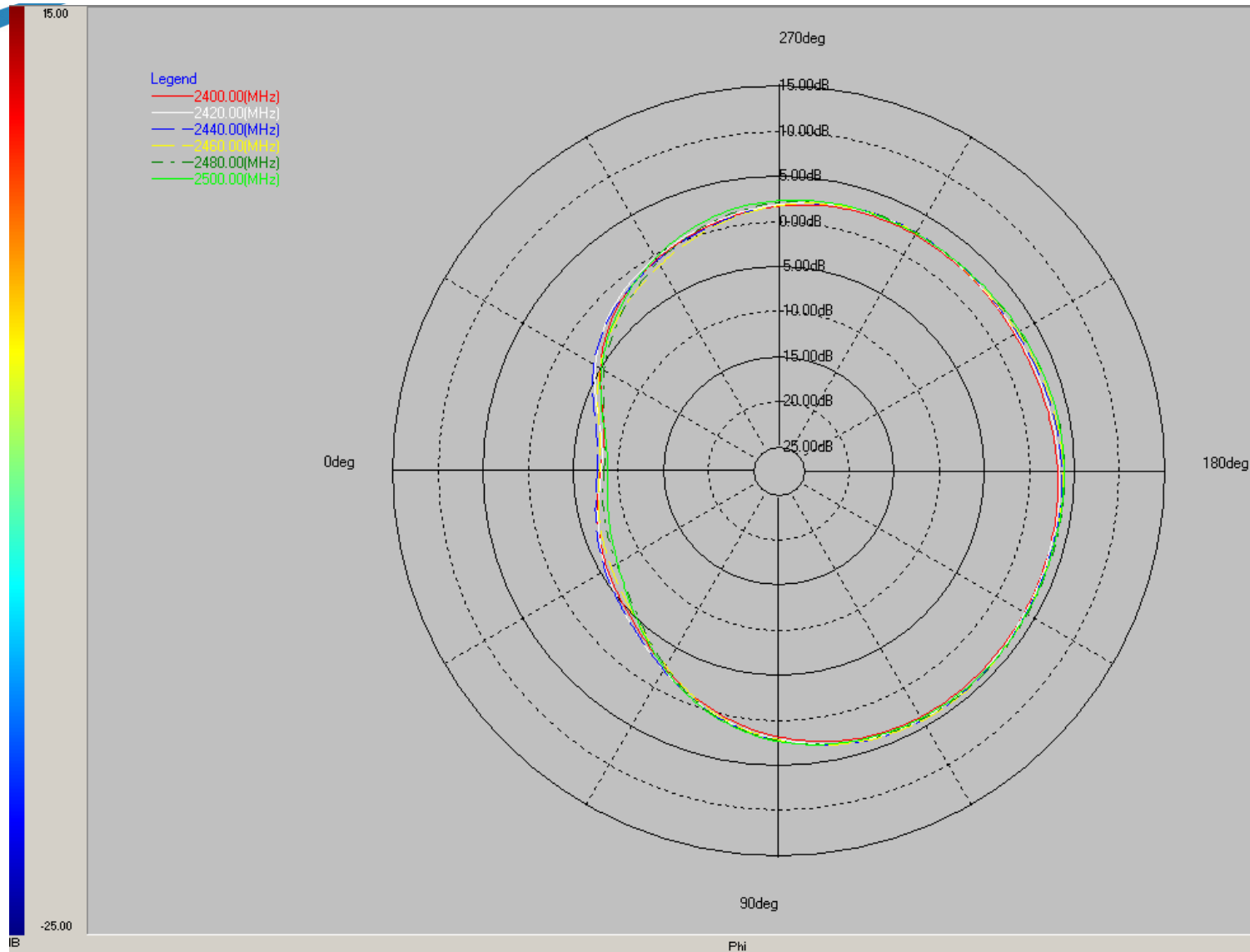
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	3.32 dB	-87.00 deg	-19.30 dB	-171.00 ...	67.01 deg	22.62 dB	-4.83 dB	5.78	----	----	----	----
2420(MHz)	3.59 dB	-87.00 deg	-19.90 dB	9.00 deg	65.58 d...	23.49 dB	-4.67 dB	5.90	----	----	----	----
2440(MHz)	3.82 dB	-87.00 deg	-21.09 dB	8.00 deg	62.90 d...	24.91 dB	-4.56 dB	5.93	----	----	----	----
2460(MHz)	4.06 dB	-87.00 deg	-21.92 dB	9.00 deg	60.24 d...	25.98 dB	-4.57 dB	5.96	----	----	----	----
2480(MHz)	4.10 dB	-87.00 deg	-23.86 d...	1.00 deg	60.77 d...	27.96 dB	-4.64 dB	6.50	----	----	----	----
2500(MHz)	3.92 dB	-88.00 deg	-22.57 d...	5.00 deg	62.35 d...	26.49 dB	-4.72 dB	6.24	----	----	----	----

BOTTOM-LEFT LOW BAND PHI=90



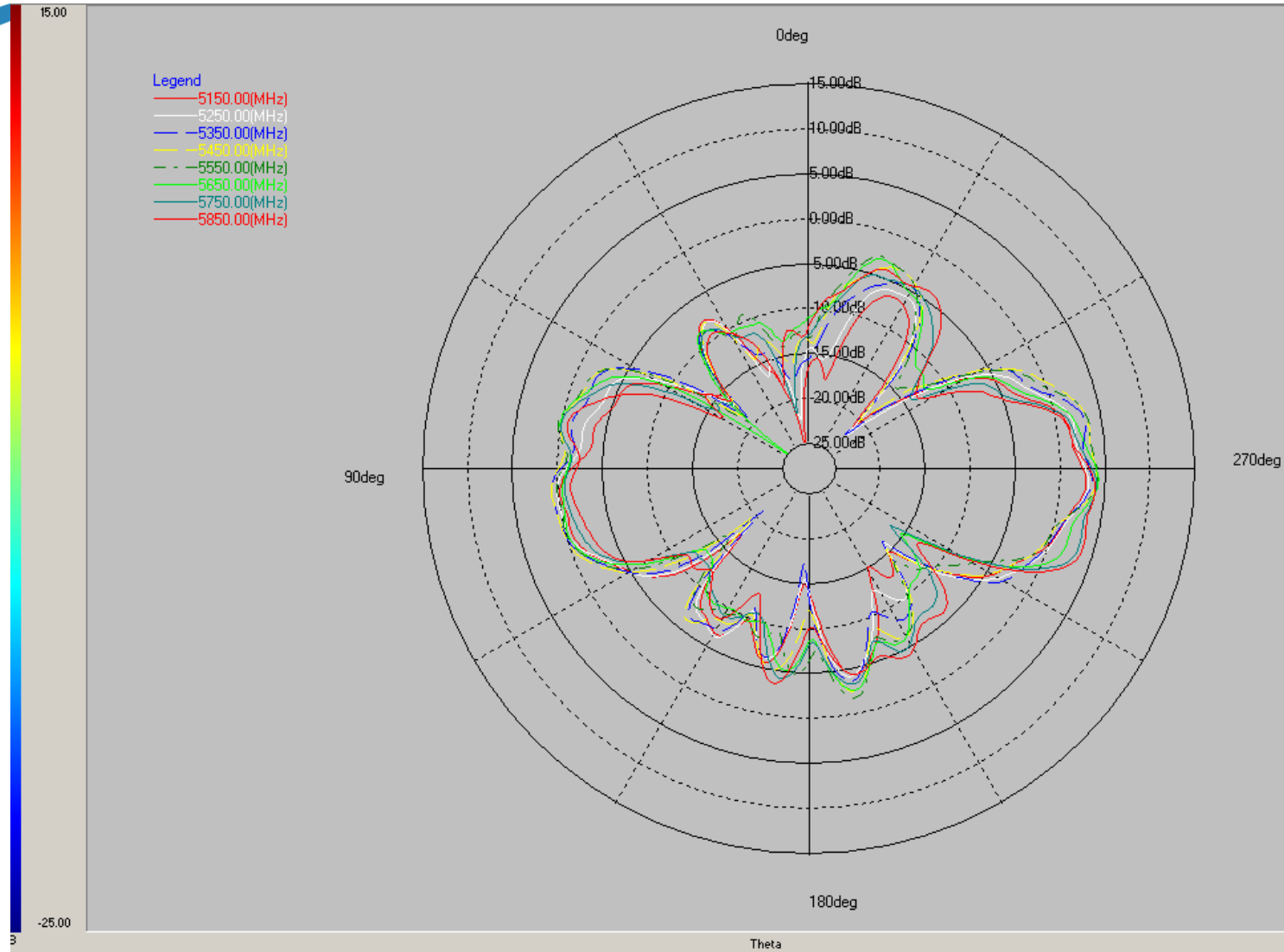
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	1.79 dB	88.00 deg	-20.26 d...	16.00 deg	63.11 deg	22.05 dB	-3.46 dB	5.78	---	---	---	---
2420(MHz)	2.11 dB	88.00 deg	-19.00 dB	157.00 d...	58.55 d...	21.11 dB	-3.33 dB	5.61	---	---	---	---
2440(MHz)	2.28 dB	88.00 deg	-19.73 dB	157.00 d...	56.35 d...	22.00 dB	-3.27 dB	5.64	---	---	---	---
2460(MHz)	2.21 dB	88.00 deg	-20.19 dB	7.00 deg	59.19 deg	22.41 dB	-3.14 dB	5.70	---	---	---	---
2480(MHz)	2.25 dB	88.00 deg	-28.13 dB	6.00 deg	57.52 d...	30.38 dB	-2.99 dB	6.40	---	---	---	---
2500(MHz)	2.29 dB	89.00 deg	-20.84 d...	9.00 deg	54.84 d...	23.13 dB	-3.00 dB	5.77	---	---	---	---

BOTTOM-LEFT LOW BAND THETA=90



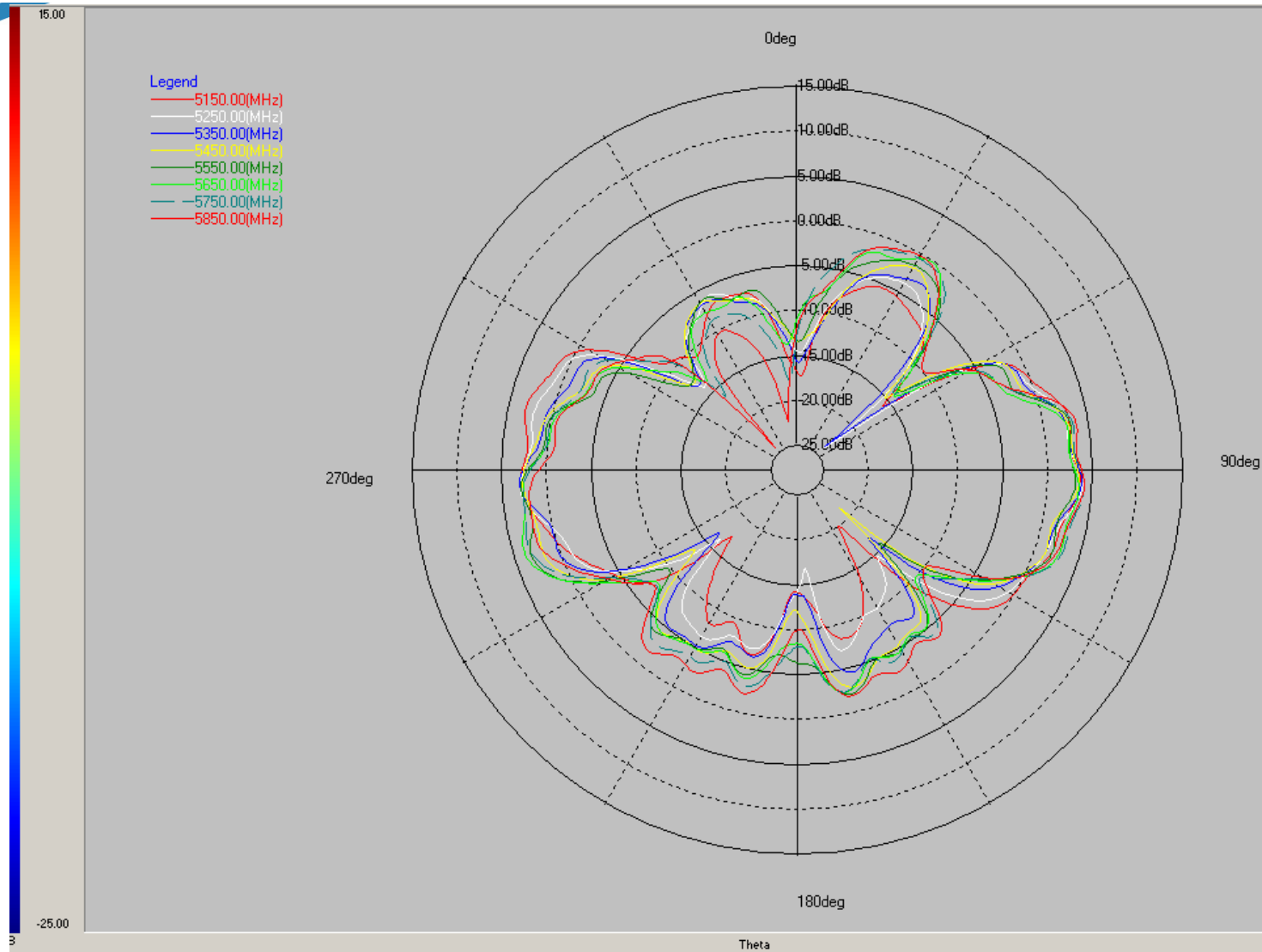
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	3.82 dB	130.00 deg	-8.19 dB	354.00 ...	198.18 d...	12.01 dB	0.48 dB	3.95	----	----	----	----
2420(MHz)	4.08 dB	129.00 deg	-8.17 dB	357.00 ...	197.07 d...	12.24 dB	0.70 dB	3.92	----	----	----	----
2440(MHz)	4.24 dB	127.00 deg	-7.71 dB	358.00 ...	192.36 d...	11.95 dB	0.79 dB	3.89	----	----	----	----
2460(MHz)	4.27 dB	128.00 deg	-7.94 dB	358.00 ...	190.74 d...	12.21 dB	0.69 dB	4.15	----	----	----	----
2480(MHz)	4.20 dB	132.00 deg	-8.49 dB	356.00 ...	198.31 d...	12.69 dB	0.72 dB	4.40	----	----	----	----
2500(MHz)	4.07 dB	135.00 deg	-8.83 dB	0.00 deg	206.37 ...	12.90 dB	0.76 dB	4.41	----	----	----	----

BOTTOM-LEFT HIGH BAND PHI=0



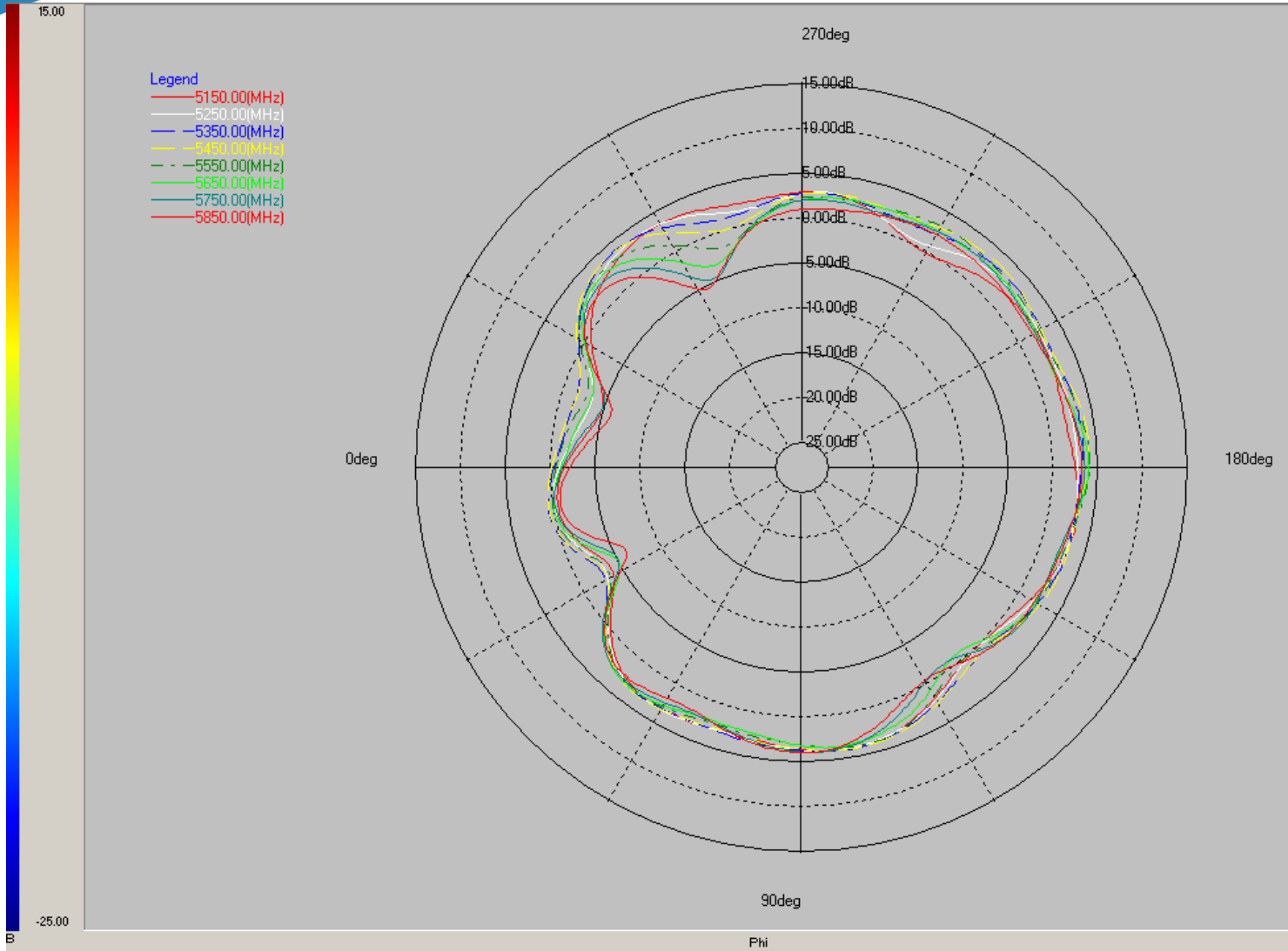
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
5150(MHz)	2.96 dB	-93.00 deg	-32.27 d...	8.00 deg	31.92 deg	35.23 dB	-6.45 dB	6.50	----	----	----	----
5250(MHz)	3.21 dB	-93.00 deg	-22.38 d...	9.00 deg	33.49 d...	25.60 dB	-5.92 dB	6.14	----	----	----	----
5350(MHz)	3.57 dB	-93.00 deg	-22.39 d...	-47.00 d...	30.32 d...	25.96 dB	-5.31 dB	6.09	----	----	----	----
5450(MHz)	4.13 dB	-92.00 deg	-20.31 dB	-46.00 d...	28.63 d...	24.44 dB	-4.80 dB	5.88	----	----	----	----
5550(MHz)	4.25 dB	-91.00 deg	-19.88 dB	52.00 d...	27.19 deg	24.13 dB	-4.75 dB	5.34	----	----	----	----
5650(MHz)	4.30 dB	-92.00 deg	-31.02 dB	55.00 d...	32.80 d...	35.32 dB	-5.06 dB	5.49	----	----	----	----
5750(MHz)	4.14 dB	-93.00 deg	-21.59 dB	12.00 deg	33.62 d...	25.73 dB	-5.26 dB	5.50	----	----	----	----
5850(MHz)	4.00 dB	-94.00 deg	-18.34 dB	17.00 deg	33.66 d...	22.34 dB	-5.31 dB	5.19	----	----	----	----

BOTTOM-LEFT HIGH BAND PHI=90



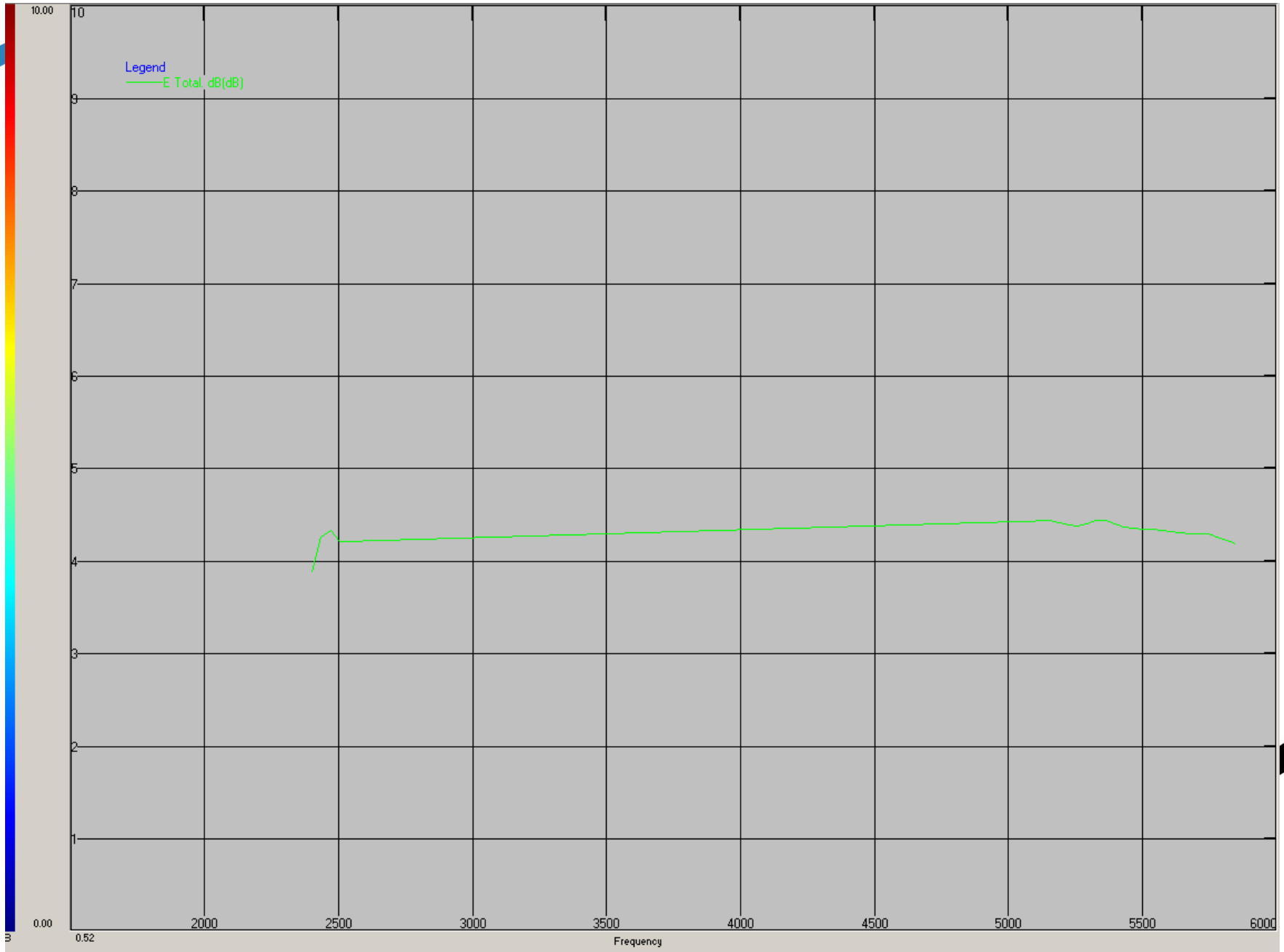
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
5150(MHz)	3.82 dB	93.00 deg	-20.09 d...	144.00 d...	41.63 deg	23.91 dB	-3.95 dB	6.24	----	----	----	----
5250(MHz)	3.96 dB	93.00 deg	-23.90 d...	53.00 d...	37.02 d...	27.86 dB	-4.05 dB	5.81	----	----	----	----
5350(MHz)	3.90 dB	93.00 deg	-23.83 d...	51.00 deg	36.00 d...	27.73 dB	-4.02 dB	5.62	----	----	----	----
5450(MHz)	3.61 dB	92.00 deg	-21.58 dB	132.00 d...	37.34 d...	25.19 dB	-3.62 dB	5.06	----	----	----	----
5550(MHz)	3.21 dB	93.00 deg	-15.60 dB	132.00 d...	39.83 d...	18.80 dB	-3.26 dB	4.57	----	----	----	----
5650(MHz)	3.78 dB	-107.00 deg	-14.24 dB	53.00 d...	28.20 d...	18.02 dB	-3.13 dB	4.60	----	----	----	----
5750(MHz)	4.19 dB	94.00 deg	-17.98 dB	-5.00 deg	38.30 d...	22.18 dB	-2.87 dB	4.99	----	----	----	----
5850(MHz)	4.15 dB	93.00 deg	-24.49 d...	-43.00 d...	38.33 d...	28.64 dB	-3.06 dB	5.65	----	----	----	----

BOTTOM-LEFT HIGH BAND THETA=90

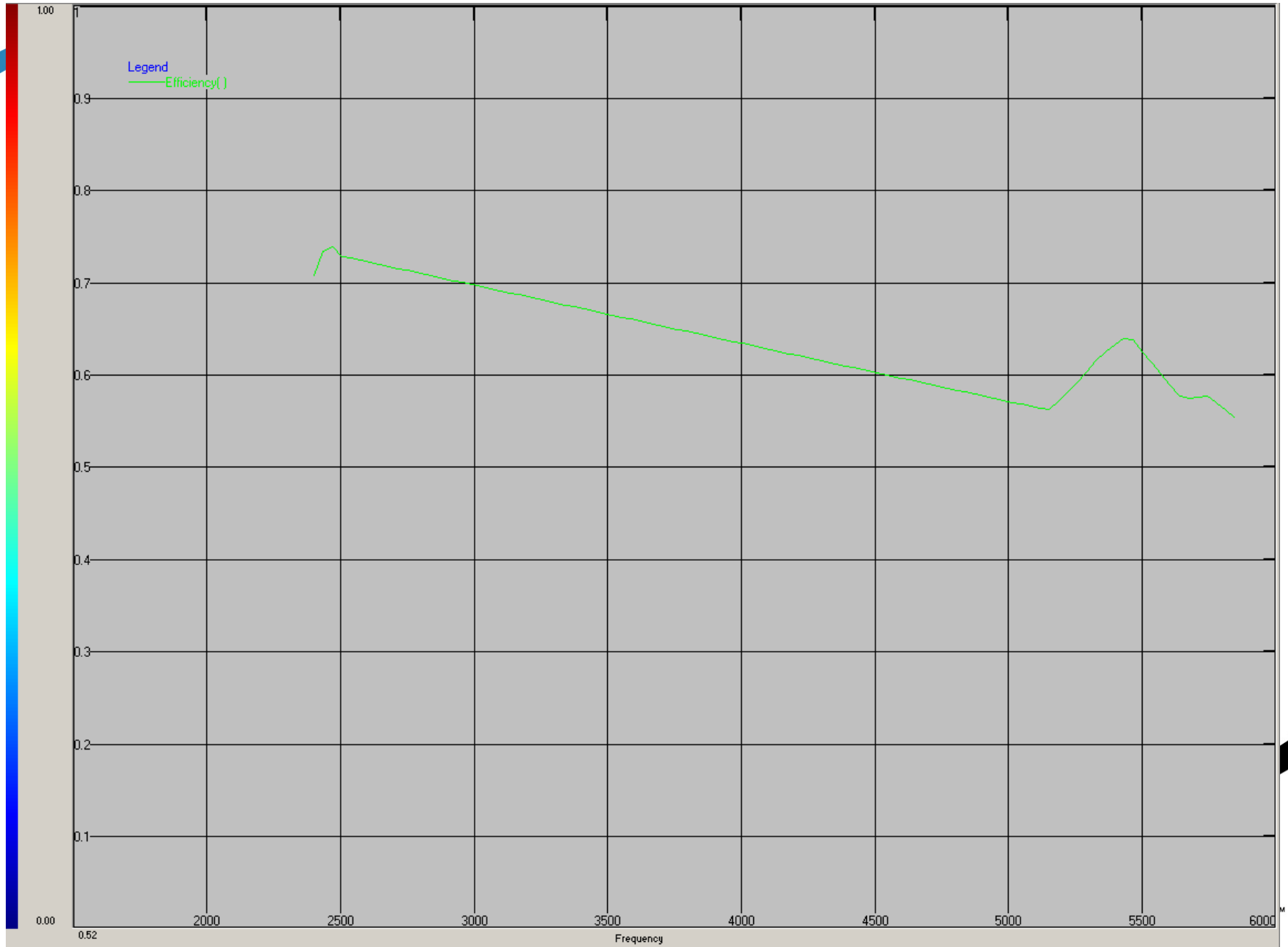


Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
5150(MHz)	3.83 dB	100.00 deg	-4.77 dB	344.00 ...	82.49 d...	8.60 dB	1.49 dB	2.19	----	----	----	----
5250(MHz)	3.73 dB	98.00 deg	-3.45 dB	343.00 ...	85.49 d...	7.19 dB	1.76 dB	1.93	----	----	----	----
5350(MHz)	3.95 dB	101.00 deg	-2.88 dB	28.00 d...	90.11 deg	6.82 dB	2.12 dB	1.67	----	----	----	----
5450(MHz)	4.16 dB	186.00 deg	-3.14 dB	28.00 d...	139.29 d...	7.31 dB	2.20 dB	1.77	----	----	----	----
5550(MHz)	4.21 dB	182.00 deg	-3.57 dB	28.00 d...	135.37 d...	7.78 dB	1.77 dB	1.95	----	----	----	----
5650(MHz)	4.08 dB	181.00 deg	-5.11 dB	28.00 d...	133.21 d...	9.18 dB	1.35 dB	2.19	----	----	----	----
5750(MHz)	3.81 dB	94.00 deg	-5.15 dB	26.00 d...	75.28 d...	8.95 dB	1.17 dB	2.42	----	----	----	----
5850(MHz)	3.82 dB	91.00 deg	-6.29 dB	25.00 d...	71.11 deg	10.11 dB	0.83 dB	2.62	----	----	----	----

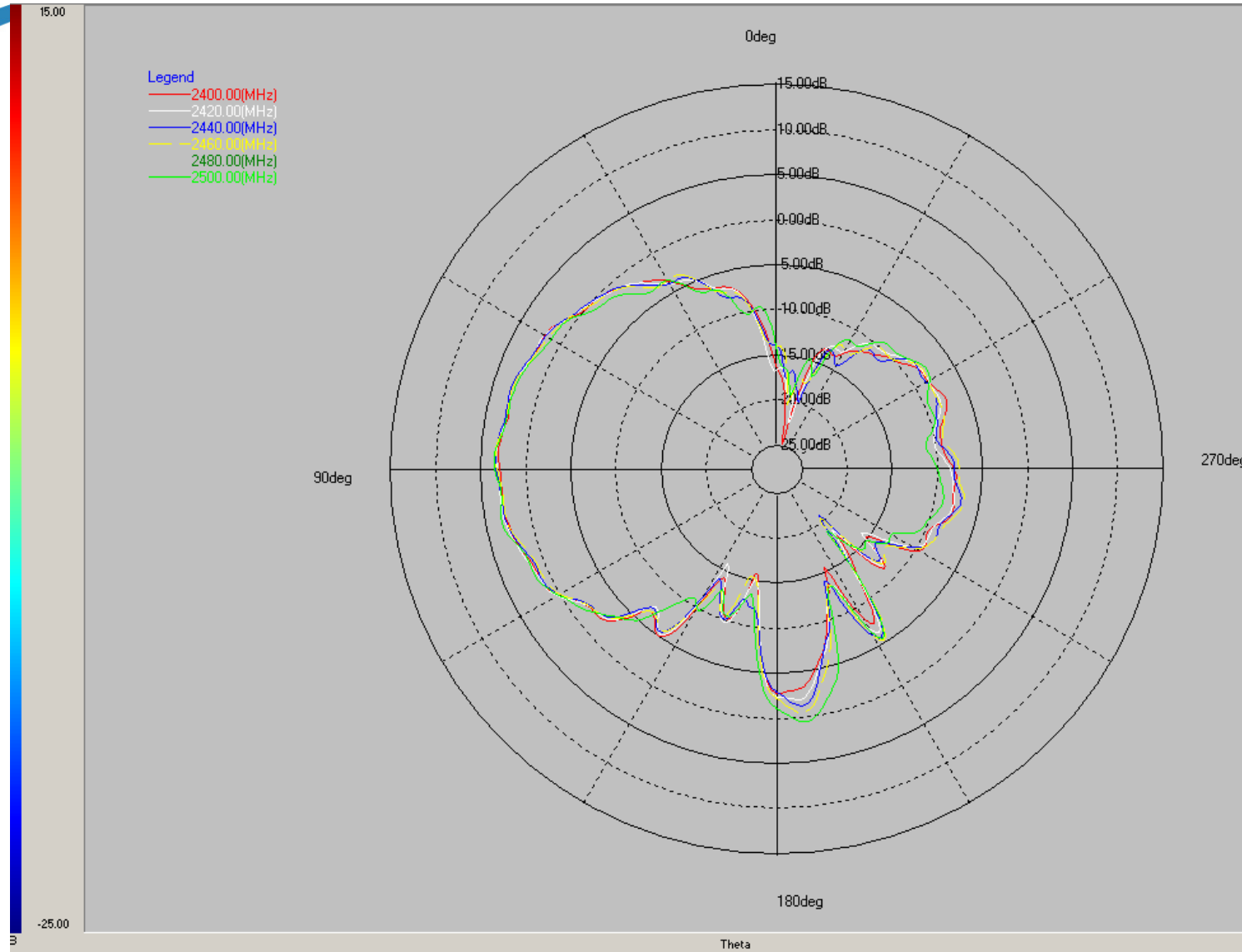
BOTTOM-LEFT HIGH BAND MAX TO MAX (GAIN)



BOTTOM-LEFT HIGH BAND EFFICIENCY %

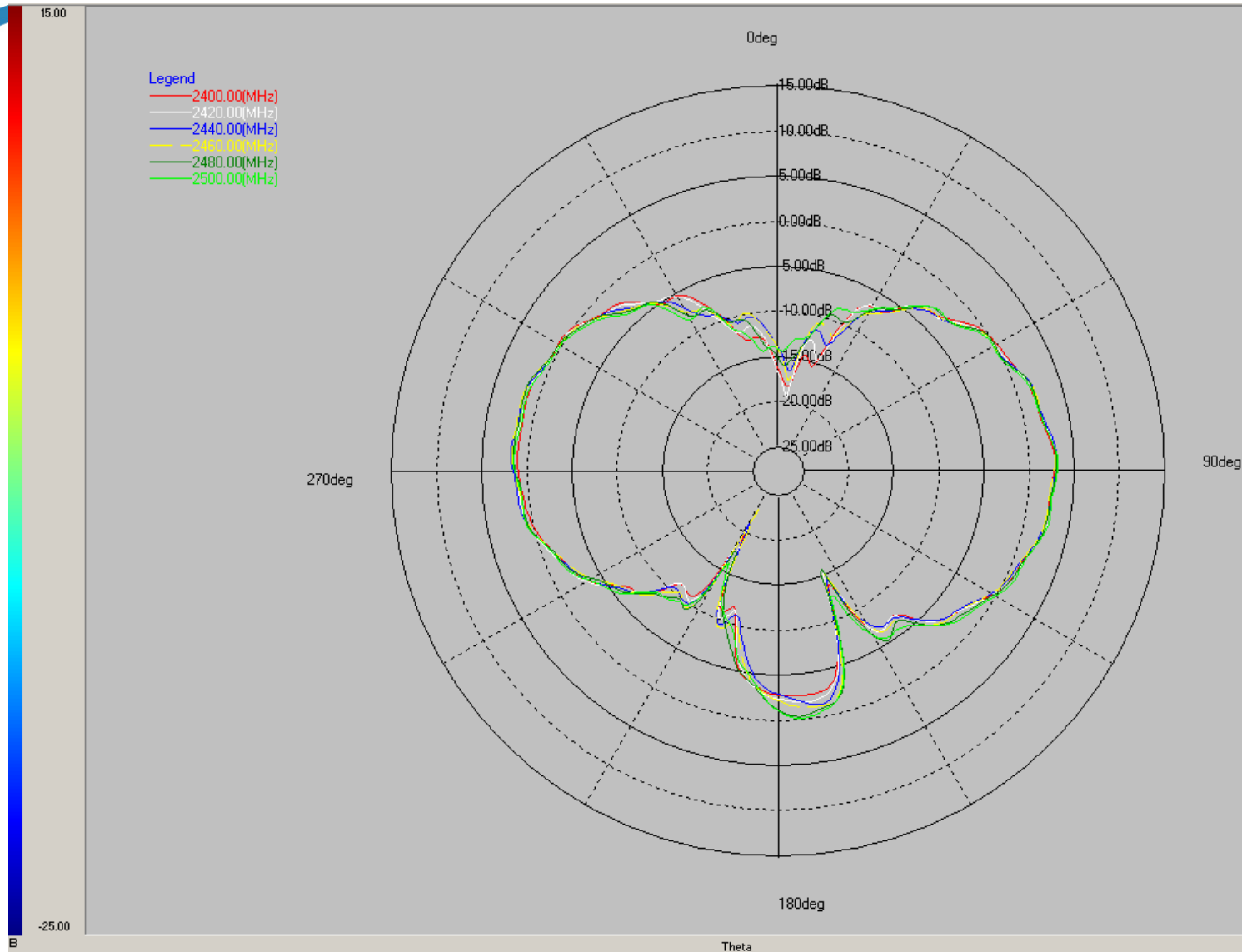


BOTTOM-RIGHT LOW BAND PHI=0



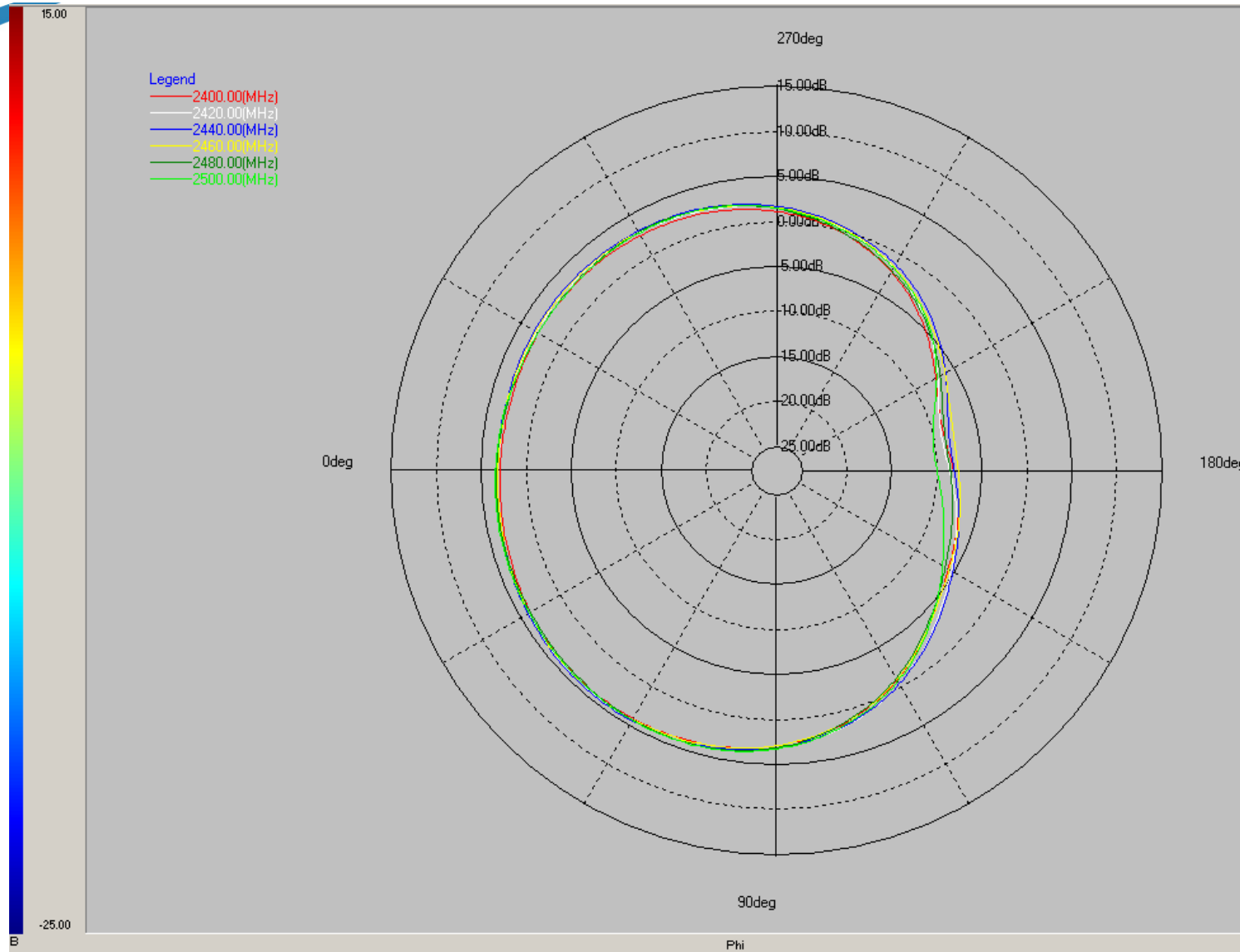
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	3.09 dB	86.00 deg	-25.29 d...	-13.00 d...	68.46 d...	28.39 dB	-4.94 dB	6.30	----	----	----	----
2420(MHz)	3.31 dB	87.00 deg	-22.54 d...	-15.00 d...	68.27 d...	25.85 dB	-4.87 dB	6.29	----	----	----	----
2440(MHz)	3.39 dB	87.00 deg	-20.85 d...	-138.00...	67.04 d...	24.24 dB	-4.84 dB	6.12	----	----	----	----
2460(MHz)	3.37 dB	87.00 deg	-20.61 dB	-10.00 d...	65.56 d...	23.98 dB	-4.77 dB	6.10	----	----	----	----
2480(MHz)	3.44 dB	88.00 deg	-21.23 dB	-11.00 deg	65.50 d...	24.67 dB	-4.68 dB	6.16	----	----	----	----
2500(MHz)	3.50 dB	88.00 deg	-19.46 dB	-11.00 deg	64.67 d...	22.96 dB	-4.81 dB	6.10	----	----	----	----

BOTTOM-RIGHT LOW BAND PHI=90



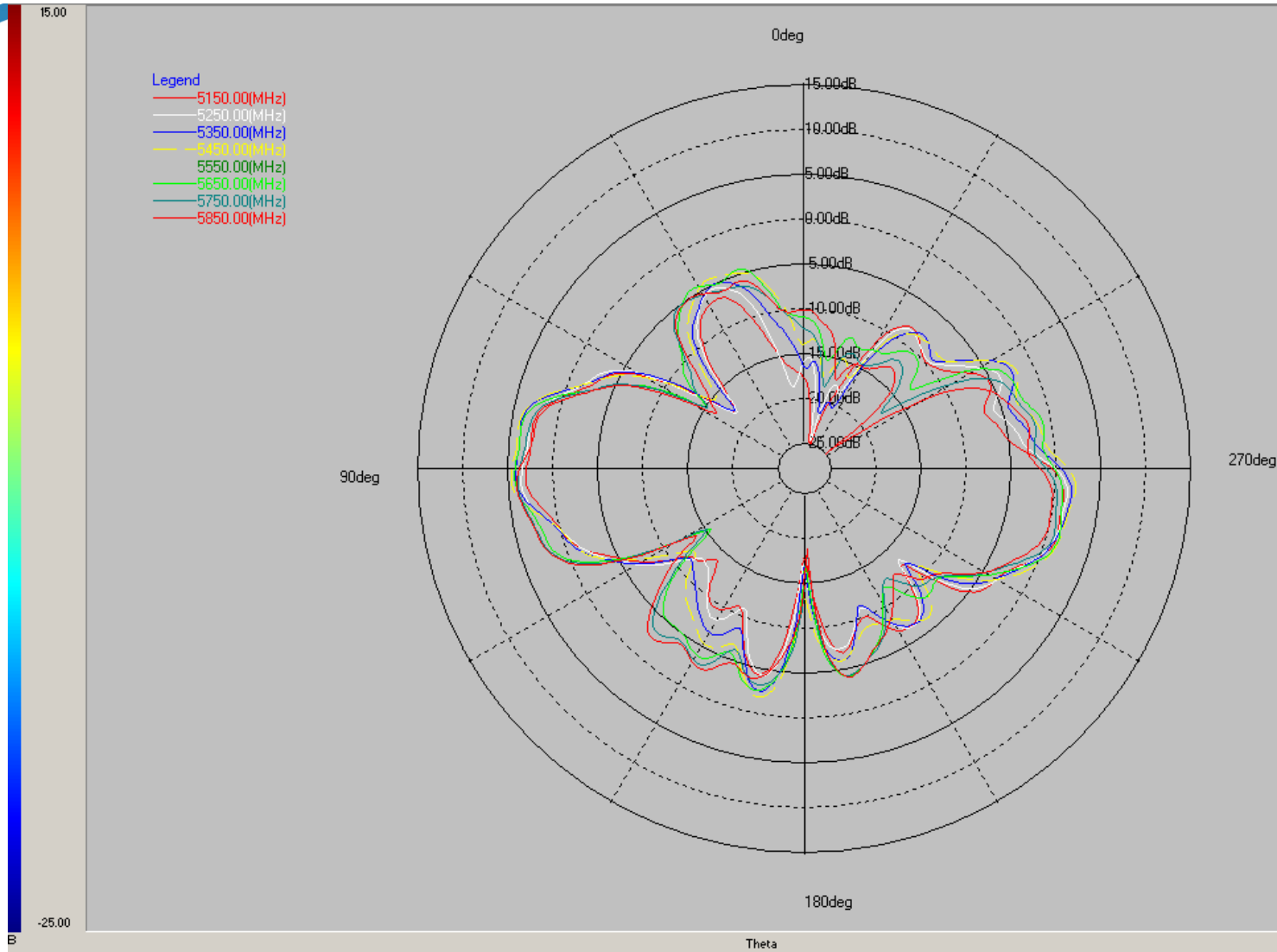
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	2.93 dB	88.00 deg	-19.88 dB	-152.00 ...	61.91 deg	22.80 dB	-3.07 dB	5.73	---	---	---	---
2420(MHz)	3.22 dB	87.00 deg	-20.69 d...	-152.00 ...	54.77 d...	23.91 dB	-2.94 dB	5.78	---	---	---	---
2440(MHz)	3.16 dB	87.00 deg	-21.17 dB	-152.00 ...	53.19 deg	24.33 dB	-2.96 dB	5.45	---	---	---	---
2460(MHz)	2.96 dB	87.00 deg	-23.06 d...	-153.00 ...	54.66 d...	26.02 dB	-2.92 dB	5.42	---	---	---	---
2480(MHz)	3.07 dB	88.00 deg	-17.62 dB	-153.00 ...	54.61 deg	20.68 dB	-2.75 dB	5.32	---	---	---	---
2500(MHz)	3.19 dB	88.00 deg	-16.25 dB	-152.00 ...	53.73 d...	19.44 dB	-2.74 dB	5.16	---	---	---	---

BOTTOM-RIGHT LOW BAND THETA=90



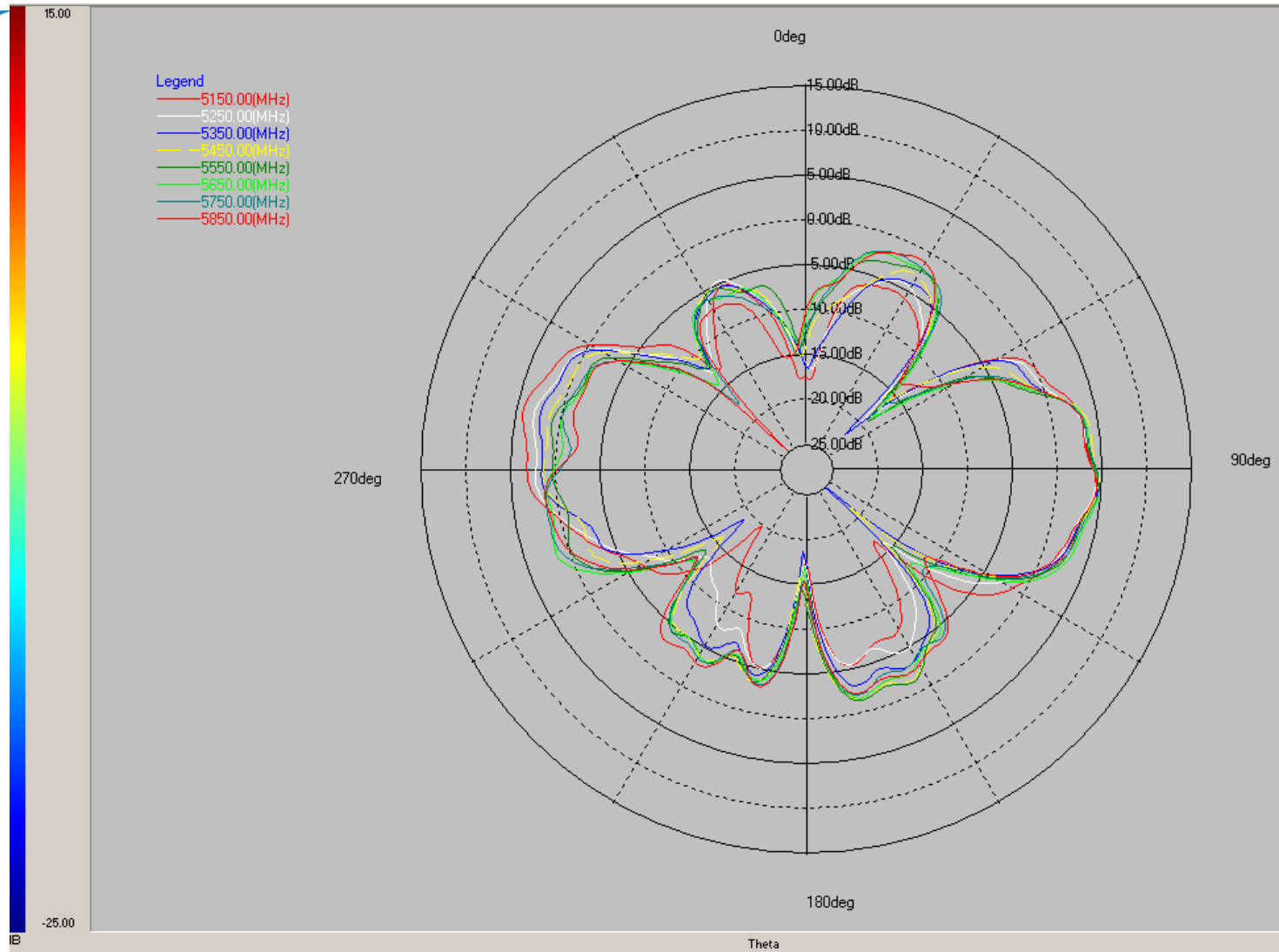
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	4.10 dB	53.00 deg	-8.80 dB	193.00 d...	----	12.90 dB	0.49 dB	4.27	----	----	----	----
2420(MHz)	4.33 dB	55.00 deg	-9.09 dB	191.00 d...	----	13.42 dB	0.79 dB	4.37	----	----	----	----
2440(MHz)	4.40 dB	50.00 deg	-8.31 dB	188.00 d...	----	12.71 dB	0.95 dB	4.16	----	----	----	----
2460(MHz)	4.21 dB	52.00 deg	-7.78 dB	188.00 d...	----	11.99 dB	0.76 dB	4.10	----	----	----	----
2480(MHz)	4.19 dB	61.00 deg	-8.74 dB	188.00 d...	----	12.92 dB	0.64 dB	4.38	----	----	----	----
2500(MHz)	4.27 dB	59.00 deg	-10.18 dB	187.00 d...	----	14.45 dB	0.67 dB	4.74	----	----	----	----

BOTTOM-RIGHT HIGH BAND PHI=0



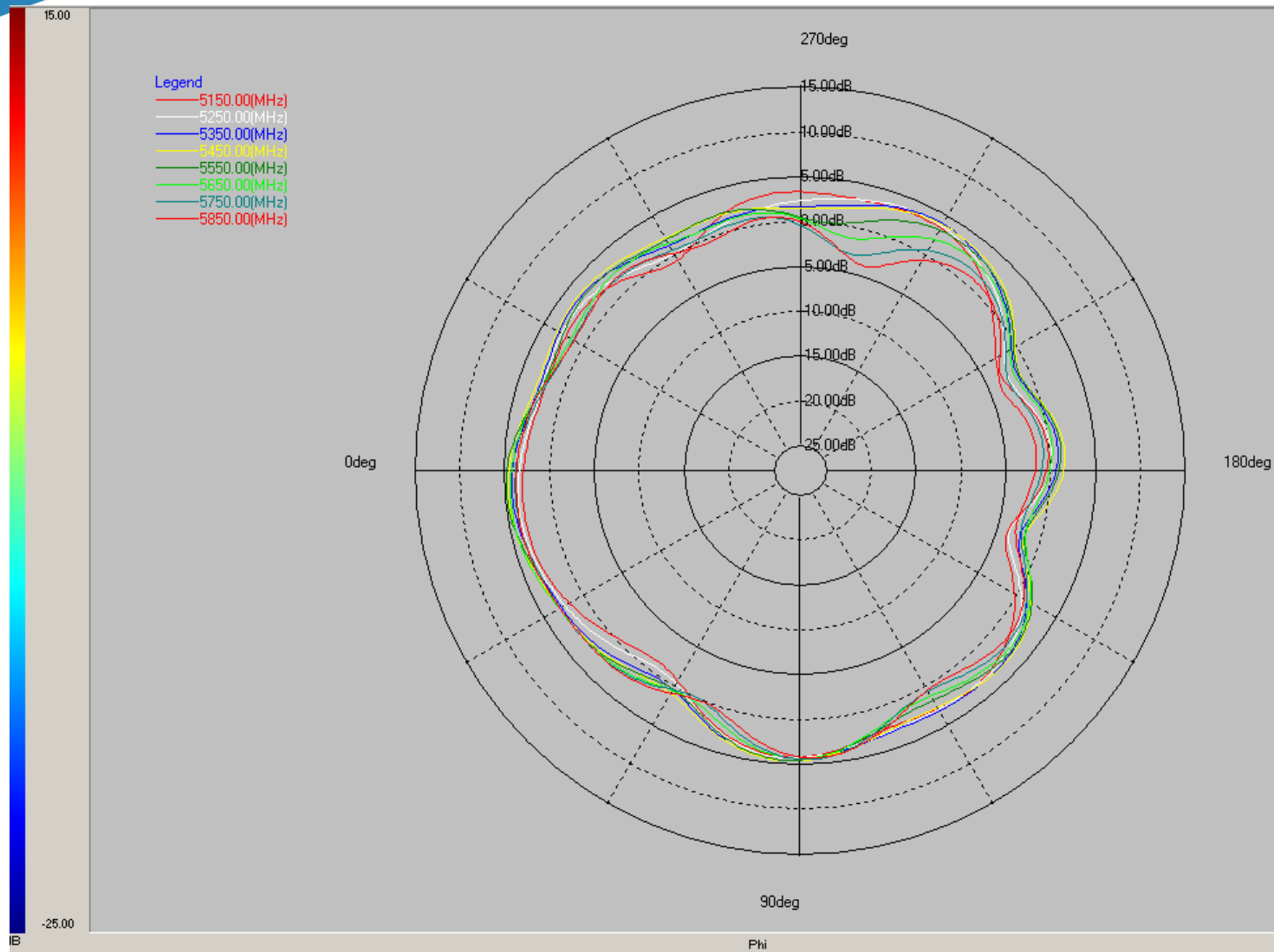
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
5150(MHz)	3.01 dB	92.00 deg	-30.09 d...	-12.00 d...	30.52 d...	33.10 dB	-6.02 dB	6.57	----	----	----	----
5250(MHz)	3.56 dB	93.00 deg	-24.71 dB	-12.00 d...	29.02 d...	28.27 dB	-5.63 dB	6.28	----	----	----	----
5350(MHz)	4.20 dB	91.00 deg	-21.53 dB	-15.00 d...	27.58 d...	25.73 dB	-4.96 dB	6.12	----	----	----	----
5450(MHz)	4.67 dB	92.00 deg	-17.55 dB	-13.00 d...	26.63 d...	22.22 dB	-4.36 dB	5.46	----	----	----	----
5550(MHz)	4.74 dB	90.00 deg	-14.93 dB	-26.00 d...	26.32 d...	19.67 dB	-4.19 dB	5.22	----	----	----	----
5650(MHz)	4.29 dB	92.00 deg	-17.29 dB	-179.00 ...	33.86 d...	21.58 dB	-4.43 dB	5.28	----	----	----	----
5750(MHz)	3.96 dB	93.00 deg	-18.50 dB	-14.00 d...	35.38 d...	22.46 dB	-4.89 dB	5.66	----	----	----	----
5850(MHz)	4.10 dB	93.00 deg	-25.49 d...	-55.00 d...	34.44 d...	29.59 dB	-5.10 dB	5.81	----	----	----	----

BOTTOM-RIGHT HIGH BAND PHI=90



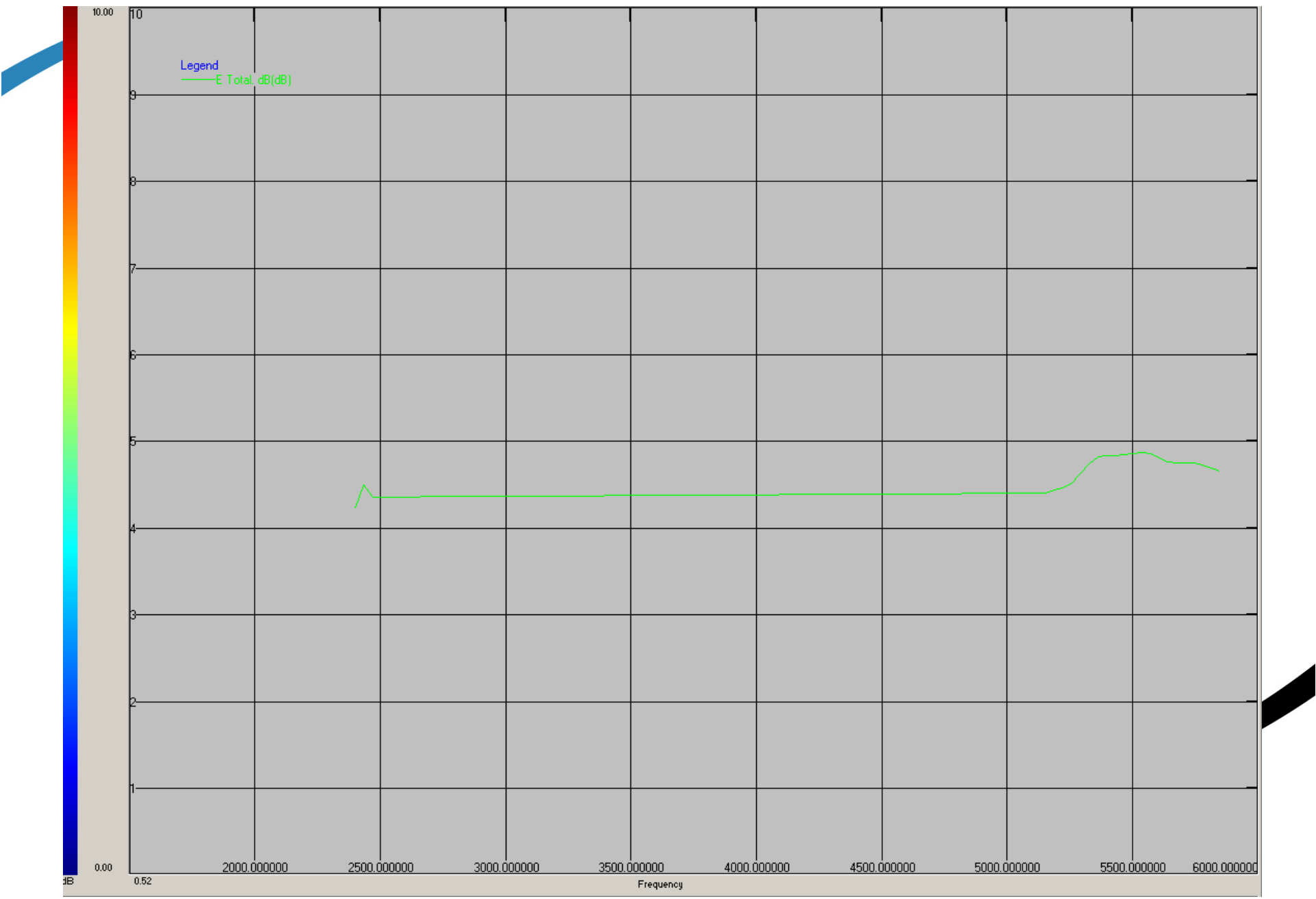
Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
5150(MHz)	4.37 dB	93.00 deg	-19.90 dB	-142.00 ...	39.62 d...	24.27 dB	-3.73 dB	6.51	----	----	----	----
5250(MHz)	4.39 dB	93.00 deg	-19.73 dB	49.00 d...	36.51 deg	24.12 dB	-3.94 dB	5.83	----	----	----	----
5350(MHz)	4.69 dB	93.00 deg	-25.24 d...	132.00 d...	35.49 d...	29.92 dB	-3.85 dB	6.14	----	----	----	----
5450(MHz)	4.67 dB	93.00 deg	-22.10 dB	132.00 d...	36.92 d...	26.77 dB	-3.40 dB	5.40	----	----	----	----
5550(MHz)	4.58 dB	93.00 deg	-19.16 dB	52.00 d...	37.27 d...	23.74 dB	-3.34 dB	5.04	----	----	----	----
5650(MHz)	4.74 dB	94.00 deg	-18.42 dB	52.00 d...	38.04 d...	23.17 dB	-3.24 dB	5.16	----	----	----	----
5750(MHz)	4.70 dB	94.00 deg	-17.40 dB	-46.00 d...	36.43 d...	22.10 dB	-3.35 dB	5.17	----	----	----	----
5850(MHz)	4.48 dB	94.00 deg	-25.04 d...	-45.00 d...	35.02 d...	29.52 dB	-3.55 dB	5.26	----	----	----	----

BOTTOM-RIGHT HIGH BAND THETA=90



Layer	Max value	Position	Min val...	Position	Beam...	Max val...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
5150(MHz)	4.07 dB	89.00 deg	-3.84 dB	163.00 d...	77.55 d...	7.91 dB	1.51 dB	2.03	----	----	----	----
5250(MHz)	4.17 dB	87.00 deg	-3.59 dB	163.00 d...	80.89 d...	7.77 dB	1.80 dB	1.88	----	----	----	----
5350(MHz)	4.43 dB	87.00 deg	-2.34 dB	164.00 d...	82.88 d...	6.78 dB	2.24 dB	1.62	----	----	----	----
5450(MHz)	4.72 dB	6.00 deg	-1.87 dB	163.00 d...	----	6.58 dB	2.50 dB	1.50	----	----	----	----
5550(MHz)	4.88 dB	4.00 deg	-1.84 dB	165.00 d...	----	6.72 dB	2.14 dB	1.52	----	----	----	----
5650(MHz)	4.48 dB	8.00 deg	-1.81 dB	166.00 d...	----	6.29 dB	1.69 dB	1.63	----	----	----	----
5750(MHz)	4.32 dB	92.00 deg	-3.16 dB	257.00 ...	37.76 d...	7.48 dB	1.18 dB	1.90	----	----	----	----
5850(MHz)	4.17 dB	94.00 deg	-4.05 dB	253.00 ...	38.75 d...	8.22 dB	0.93 dB	2.16	----	----	----	----

BOTTOM-RIGHT HIGH BAND MAX TO MAX (GAIN)



BOTTOM-RIGHT HIGH BAND EFFICIENCY %

