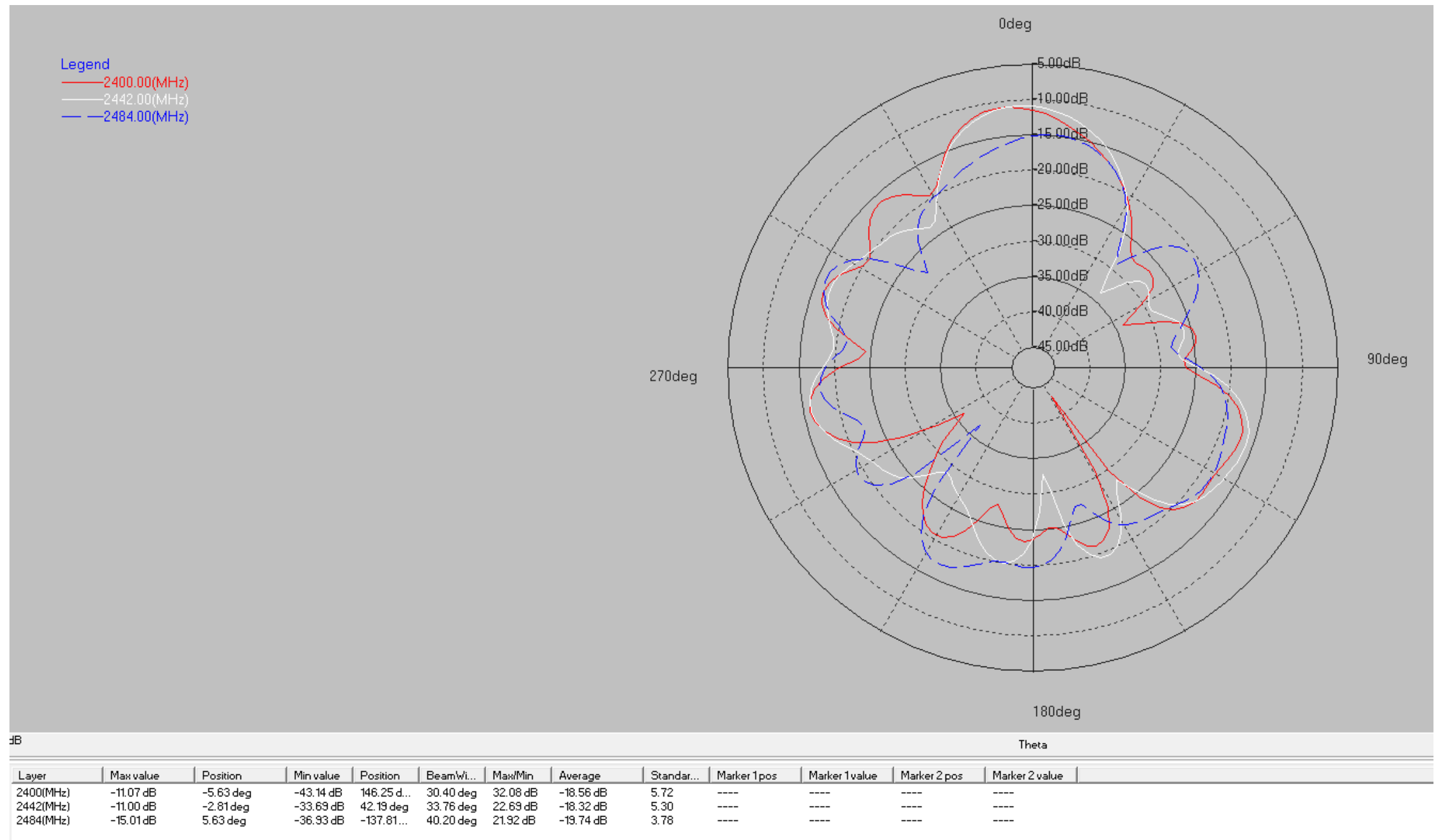




World Products, Inc.
WPANT-30269-S8A Antenna
Regulatory Data
03-16-2023

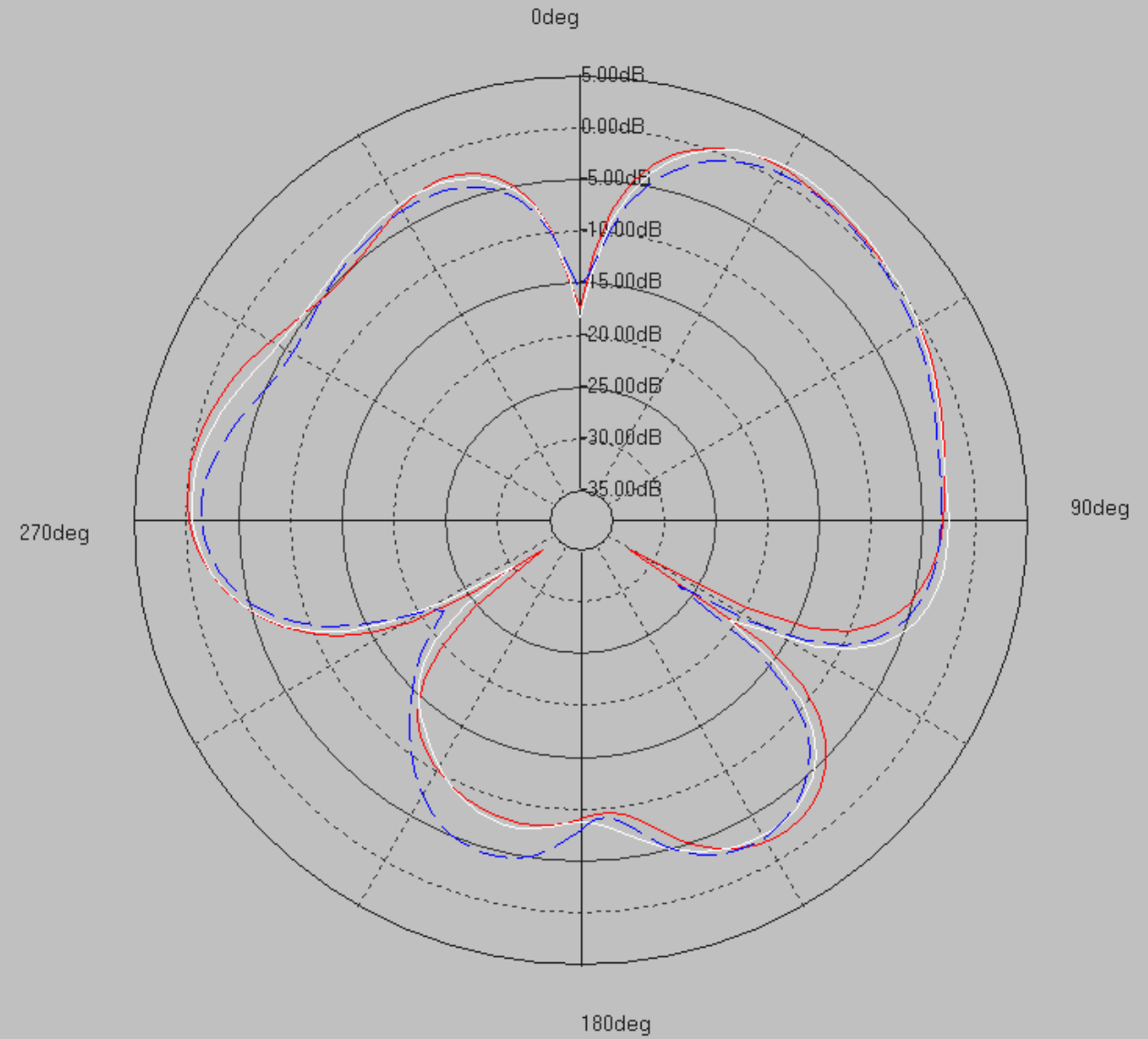
ELEVATION 1 HORIZ GAIN



ELEVATION 1 VERT GAIN

Legend

— 2400.00(MHz)
— 2442.00(MHz)
— 2484.00(MHz)



dB

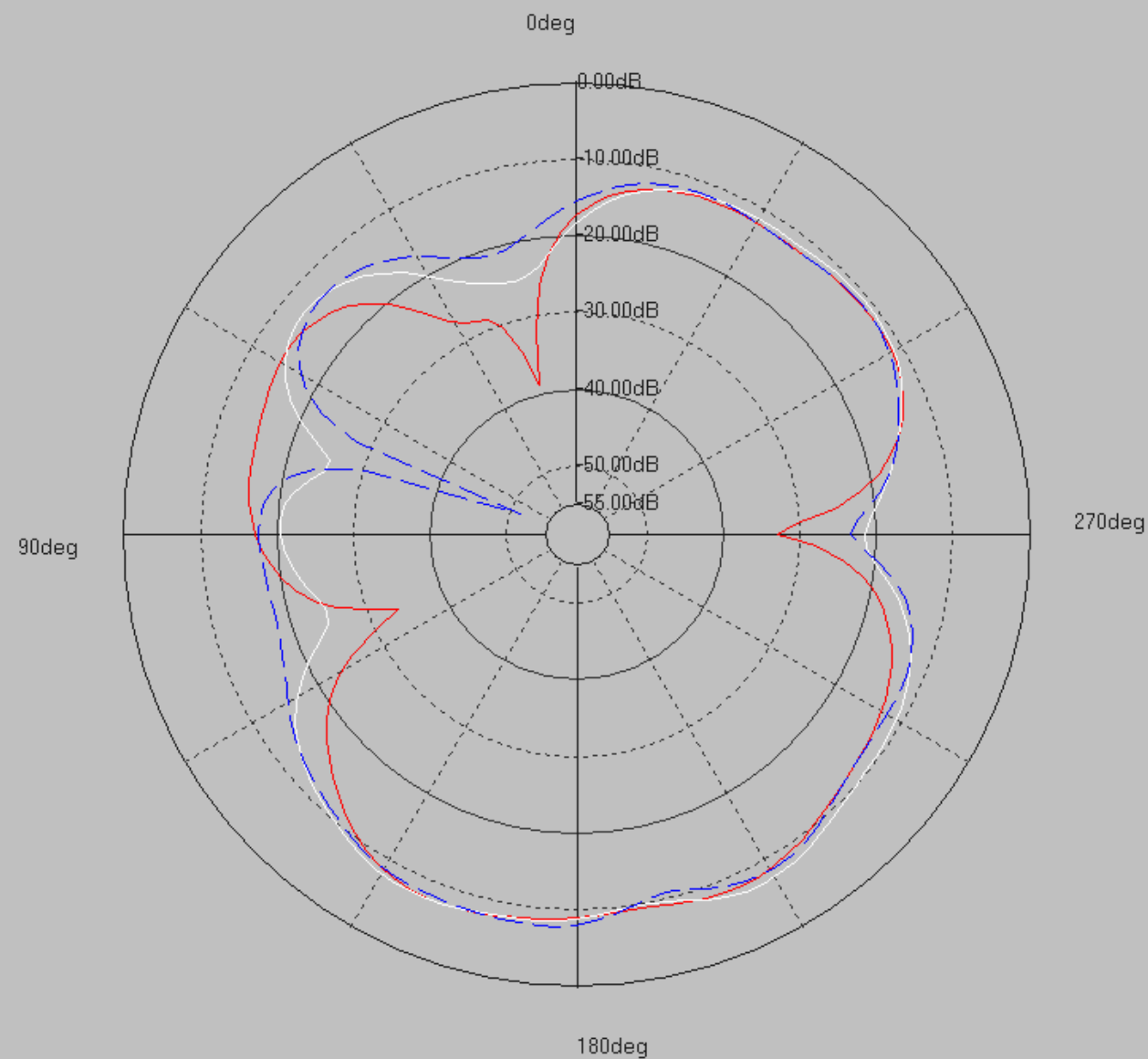
Theta

Layer	Max value	Position	Min value	Position	Beam/wi...	Max/Min	Average	Standar...	Marker 1 pos	Marker 1 value	Marker 2 pos	Marker 2 value
2400(MHz)	1.12 dB	30.94 deg	-33.33 dB	-126.56 ...	60.78 deg	34.44 dB	-3.45 dB	6.40	----	----	----	----
2442(MHz)	1.51 dB	33.75 deg	-30.23 dB	-123.75 ...	54.16 deg	31.74 dB	-3.46 dB	5.84	----	----	----	----
2484(MHz)	0.75 dB	33.75 deg	-26.70 dB	123.75 d...	55.67 deg	27.45 dB	-4.04 dB	5.25	----	----	----	----

ELEVATION 2 HORIZ GAIN

Legend

— 2400.00(MHz)
— 2442.00(MHz)
— 2484.00(MHz)



B

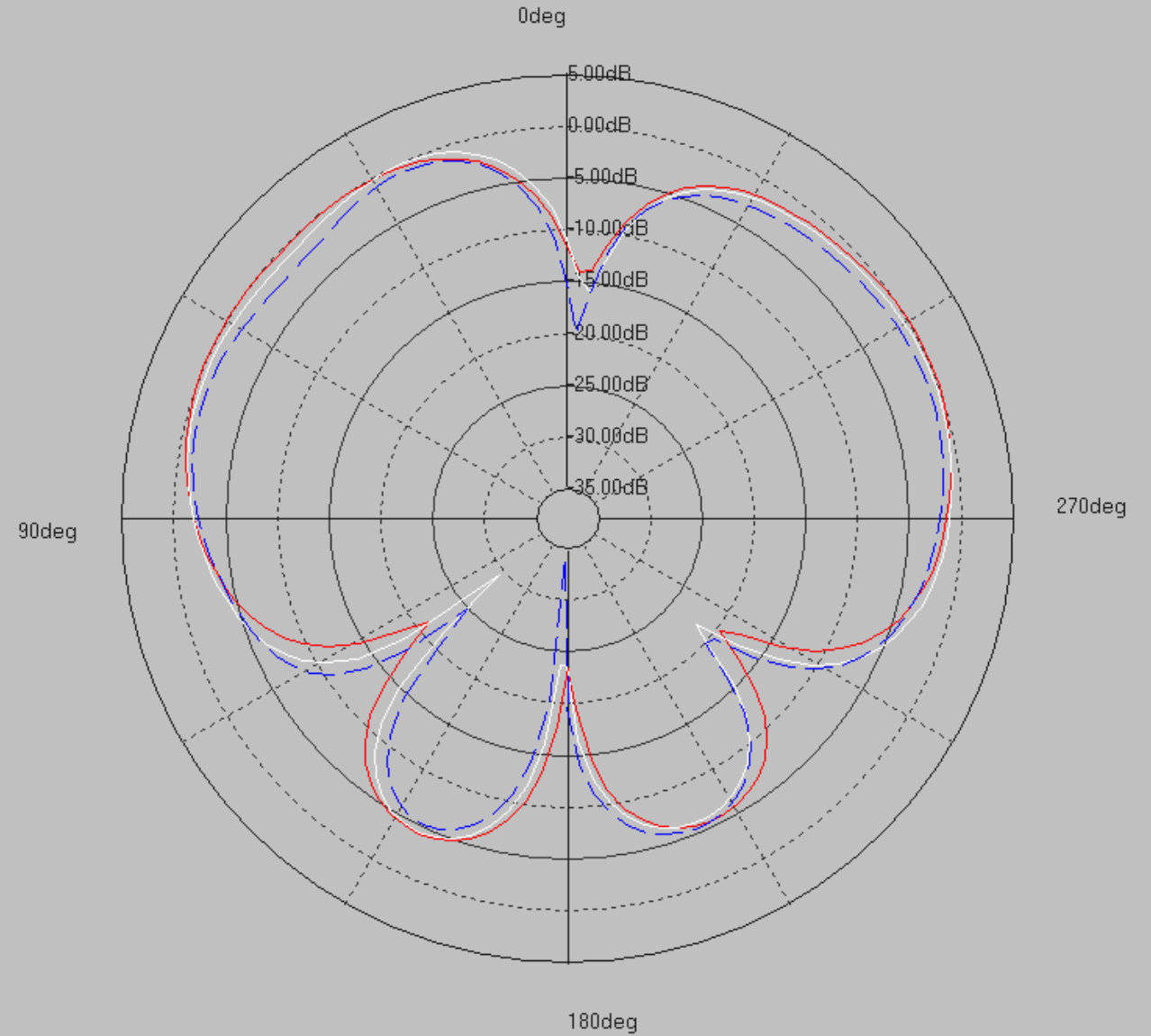
Theta

Layer	Max value	Position	Min value	Position	Beam/Wi...	Max/Min	Average	Standar...	Marker 1 pos	Marker 1 value	Marker 2 pos	Marker 2 value
2400(MHz)	-7.82 dB	157.50 deg	-39.14 dB	14.06 deg	----	31.32 dB	-12.78 dB	6.93	----	----	----	----
2442(MHz)	-7.48 dB	-151.88 deg	-25.49 dB	73.13 deg	----	18.00 dB	-12.11 dB	5.44	----	----	----	----
2484(MHz)	-7.84 dB	174.38 deg	-51.42 dB	70.31 deg	----	43.57 dB	-12.40 dB	5.48	----	----	----	----

ELEVATION 2 VERT GAIN

Legend

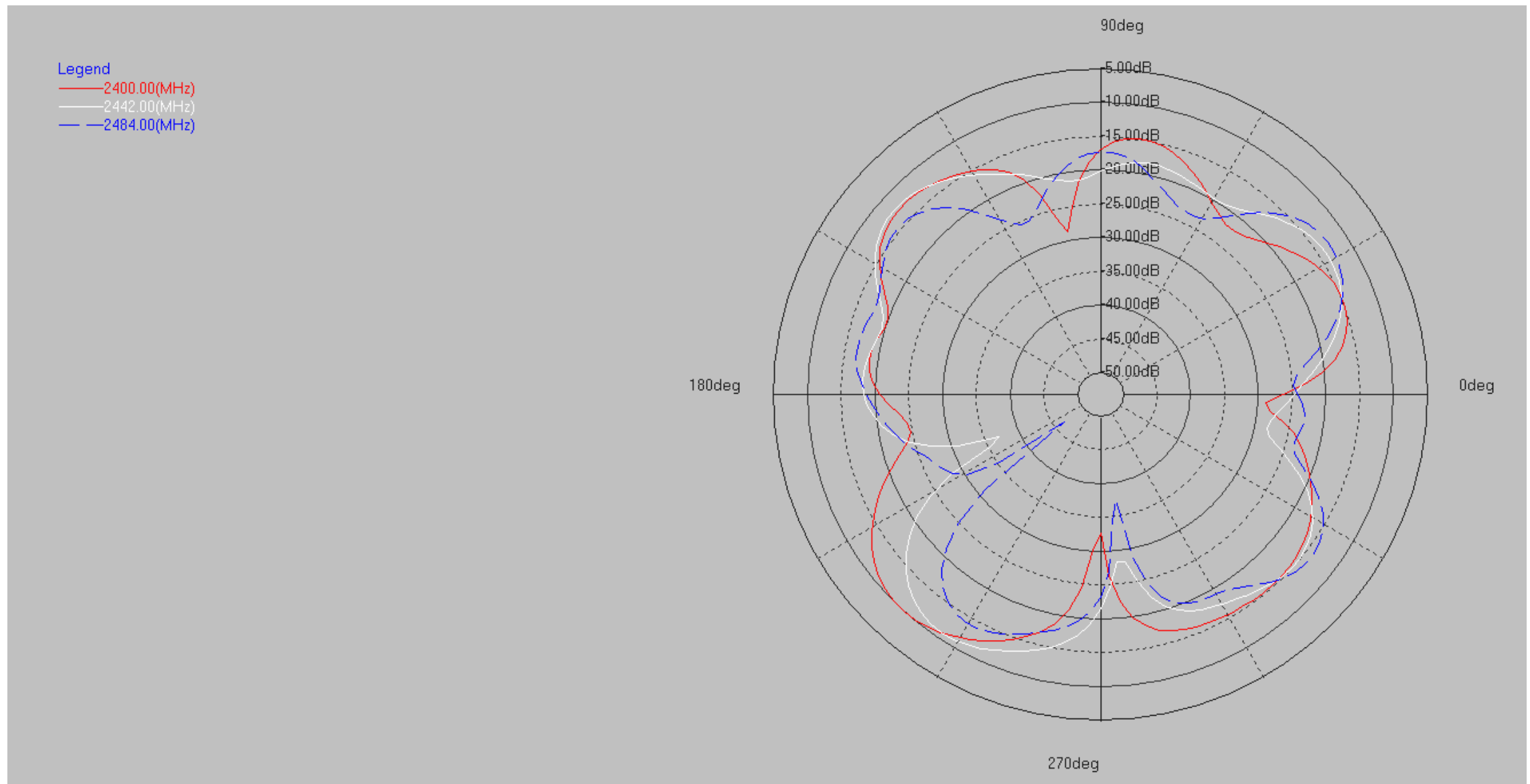
— 2400.00(MHz)
— 2442.00(MHz)
— 2484.00(MHz)



3

Layer	Max value	Position	Min value	Position	Beam/Wi...	Max/Min	Average	Standar...	Marker 1 pos	Marker 1 value	Marker 2 pos	Marker 2 value
2400(MHz)	0.19 dB	-64.69 deg	-23.71 dB	-180.00 ...	75.86 deg	23.90 dB	-3.19 dB	5.85	----	----	----	----
2442(MHz)	-0.18 dB	25.31 deg	-29.49 dB	129.38 d...	88.14 deg	29.31 dB	-3.35 dB	6.28	----	----	----	----
2484(MHz)	-0.91 dB	25.31 deg	-34.29 dB	177.19 deg	88.22 deg	33.38 dB	-4.07 dB	6.04	----	----	----	----

AZIMUTH HORIZ GAIN

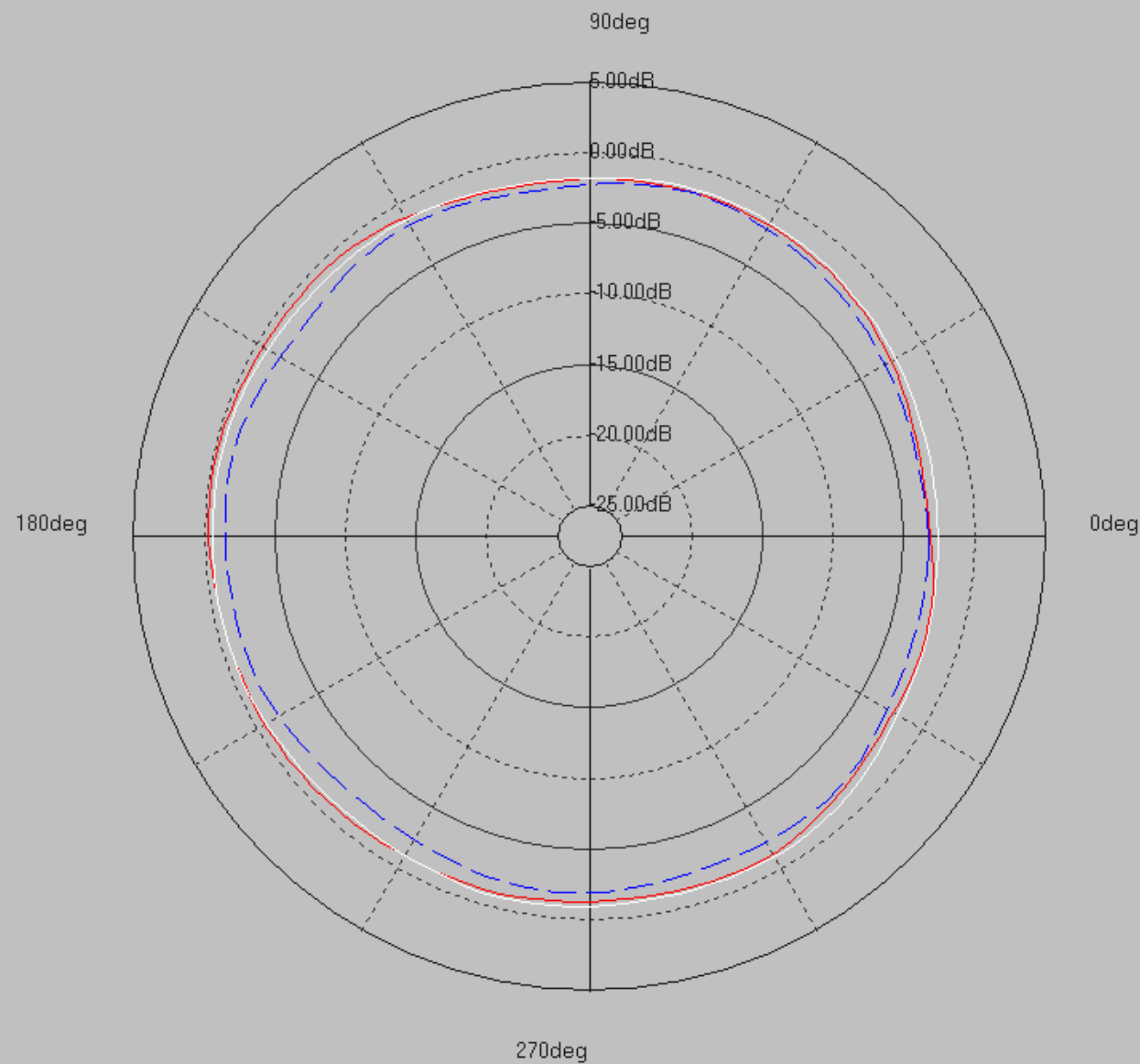


Layer	Max value	Position	Min value	Position	Beam/wi...	Max/Min	Average	Standar...	Marker 1 pos	Marker 1 value	Marker 2 pos	Marker 2 value
2400(MHz)	-10.02 dB	227.81 deg	-32.85 dB	270.00 d...	31.34 deg	22.82 dB	-16.20 dB	4.48	----	----	----	----
2442(MHz)	-11.03 dB	236.25 deg	-37.20 dB	202.50 d...	31.57 deg	26.17 dB	-16.64 dB	4.84	----	----	----	----
2484(MHz)	-12.86 dB	33.75 deg	-46.67 dB	216.56 d...	26.05 deg	33.82 dB	-17.97 dB	5.31	----	----	----	----

AZIMUTH VERT GAIN

Legend

— 2400.00(MHz)
— 2442.00(MHz)
— 2484.00(MHz)



3

Phi

Layer	Max value	Position	Min value	Position	Beam/Wi...	Max/Min	Average	Standar...	Marker 1 pos	Marker 1 value	Marker 2 pos	Marker 2 value	
2400(MHz)	-0.20 dB	171.56 deg	-3.26 dB	8.44 deg	----	3.05 dB	-1.45 dB	0.81	----	----	----	----	
2442(MHz)	-0.55 dB	171.56 deg	-2.58 dB	5.63 deg	----	2.03 dB	-1.39 dB	0.58	----	----	----	----	
2484(MHz)	-1.40 dB	168.75 deg	-3.40 dB	11.25 deg	----	2.01 dB	-2.26 dB	0.53	----	----	----	----	

PEAK GAIN SUMMARY

	GAIN dBi		
	2400 MHz	2442 MHz	2484 MHz
EL1 HORIZ PEAK GAIN	-11	-11.1	-15
EL1 VERT PEAK GAIN	1.1	1.5	0.8
EL2 HORIZ PEAK GAIN	-7.8	-7.5	-7.8
EL2 VERT PEAK GAIN	0.2	-0.2	-0.9
AZ HORIZ PEAK GAIN	-10	-11	-12.9
AZ VERT PEAK GAIN	-0.2	-0.6	-1.4
MAX HORIZ PEAK GAIN		-7.5	
MAX VERT PEAK GAIN		1.5	