3.5	Antenna Gain

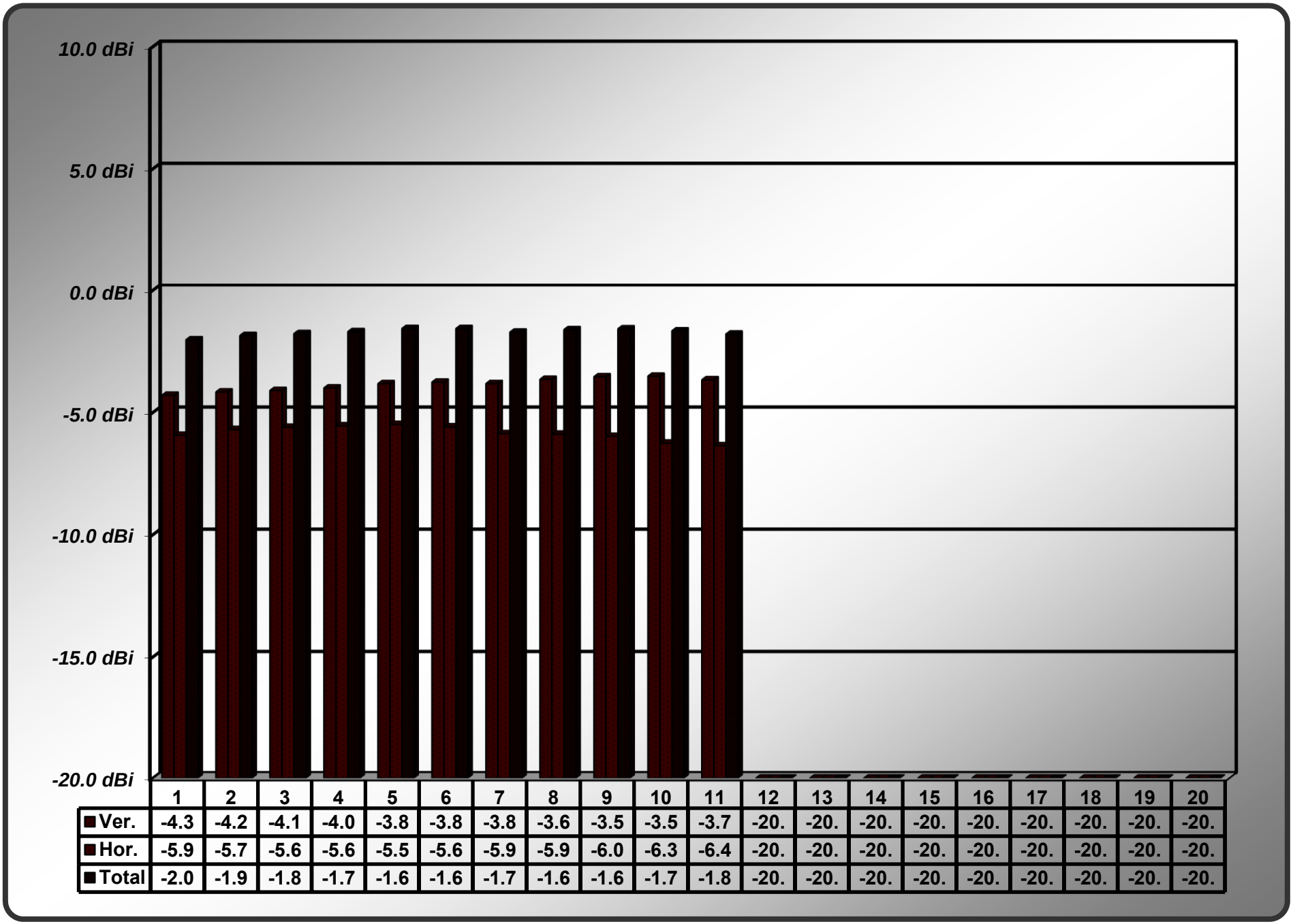
RF4CE ANT2

Antenna Pattern & Gain Report

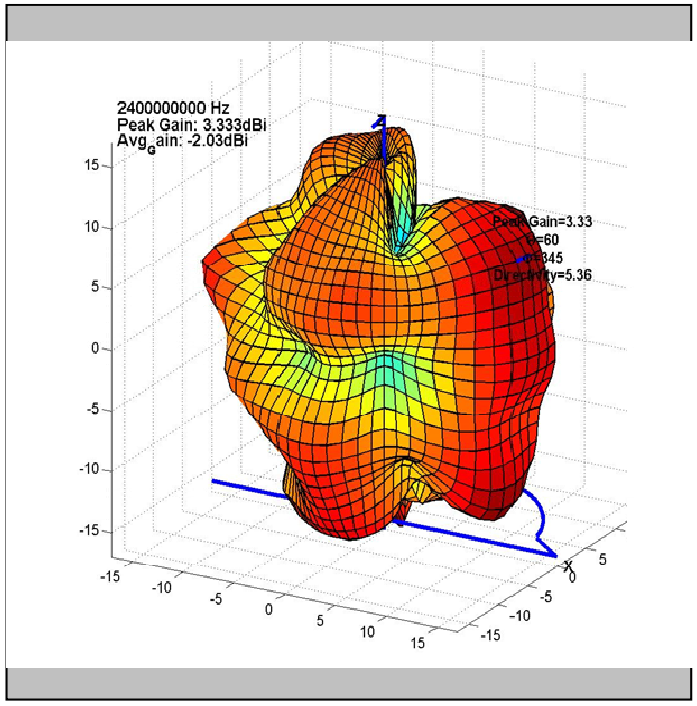
Manufacturer	Company Name
Model Name	Filename
Tester Name	Airlink
Test Date	2022-01-19 PM 3:02:49
IF BW	100 Hz
Port Power	0.00 dBm
Meas Step	15 `

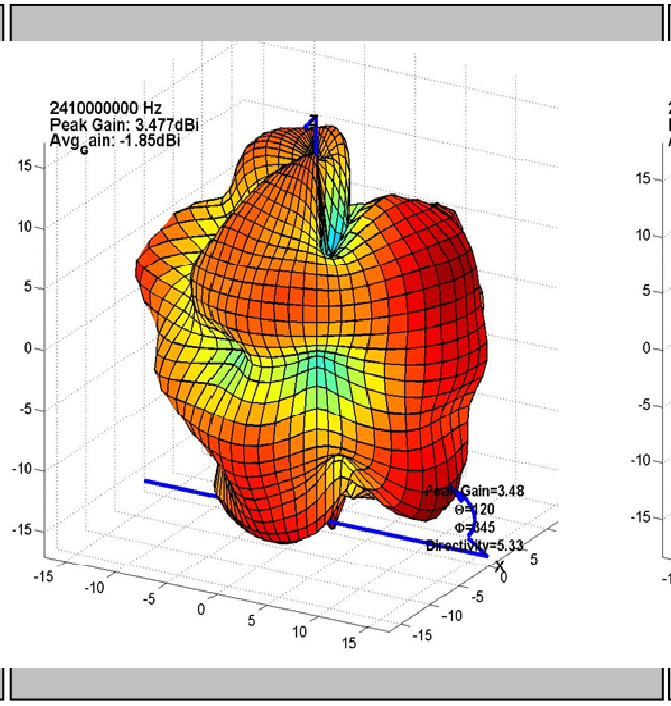
Photo

Frequency	Efficiency	Average Gain			Max Gain			Max Position	Directivity
		Ver	Hor	Total	Ver	Hor	Total		
2,400,000,000 Hz	62.6 %	-4.3 dBi	-5.9 dBi	-2.0 dBi	1.9 dBi	2.2 dBi	3.3 dBi	Theta60/Pie75	5.36 dB
2,410,000,000 Hz	65.2 %	-4.2 dBi	-5.7 dBi	-1.9 dBi	1.8 dBi	2.5 dBi	3.5 dBi	Theta120/Pie75	5.33 dB
2,420,000,000 Hz	66.4 %	-4.1 dBi	-5.6 dBi	-1.8 dBi	1.9 dBi	2.7 dBi	3.6 dBi	Theta120/Pie75	5.38 dB
2,430,000,000 Hz	67.7 %	-4.0 dBi	-5.6 dBi	-1.7 dBi	2.1 dBi	2.9 dBi	3.7 dBi	Theta120/Pie75	5.39 dB
2,440,000,000 Hz	69.7 %	-3.8 dBi	-5.5 dBi	-1.6 dBi	2.3 dBi	3.0 dBi	3.8 dBi	Theta120/Pie75	5.36 dB
2,450,000,000 Hz	69.6 %	-3.8 dBi	-5.6 dBi	-1.6 dBi	2.1 dBi	2.9 dBi	3.7 dBi	Theta120/Pie75	5.24 dB
2,460,000,000 Hz	67.3 %	-3.8 dBi	-5.9 dBi	-1.7 dBi	1.8 dBi	2.5 dBi	3.3 dBi	Theta120/Pie75	5.05 dB
2,470,000,000 Hz	68.9 %	-3.6 dBi	-5.9 dBi	-1.6 dBi	1.9 dBi	2.4 dBi	3.2 dBi	Theta120/Pie75	4.80 dB
2,480,000,000 Hz	69.5 %	-3.5 dBi	-6.0 dBi	-1.6 dBi	2.2 dBi	2.3 dBi	3.0 dBi	Theta120/Pie90	4.62 dB
2,490,000,000 Hz	68.2 %	-3.5 dBi	-6.3 dBi	-1.7 dBi	2.3 dBi	2.0 dBi	3.1 dBi	Theta60/Pie75	4.76 dB
2,500,000,000 Hz	66.1 %	-3.7 dBi	-6.4 dBi	-1.8 dBi	1.8 dBi	1.6 dBi	4.1 dBi	Theta120/Pie75	5.90 dB



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Ver.	-4.3	-4.2	-4.1	-4.0	-3.8	-3.8	-3.8	-3.6	-3.5	-3.5	-3.7	-20.	-20.	-20.	-20.	-20.	-20.	-20.	-20.	-20.
Hor.	-5.9	-5.7	-5.6	-5.6	-5.5	-5.6	-5.9	-5.9	-6.0	-6.3	-6.4	-20.	-20.	-20.	-20.	-20.	-20.	-20.	-20.	-20.
Total	-2.0	-1.9	-1.8	-1.7	-1.6	-1.6	-1.7	-1.6	-1.6	-1.7	-1.8	-20.	-20.	-20.	-20.	-20.	-20.	-20.	-20.	-20.


2400000000 Hz
Peak Gain: 3.333dBi
Avg Gain: -2.03dBi
Peak Gain=3.33
θ=60
Φ=345
Directivity=5.36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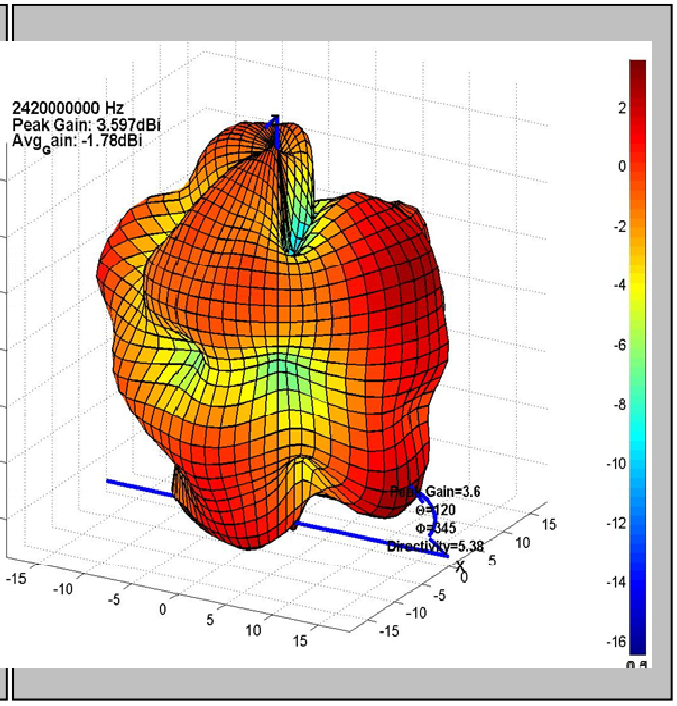
Avg Gain: -1.85dBi
Peak Gain=3.48
θ=120
Φ=345
Directivity=5.33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Avg Gain: -1.78dBi
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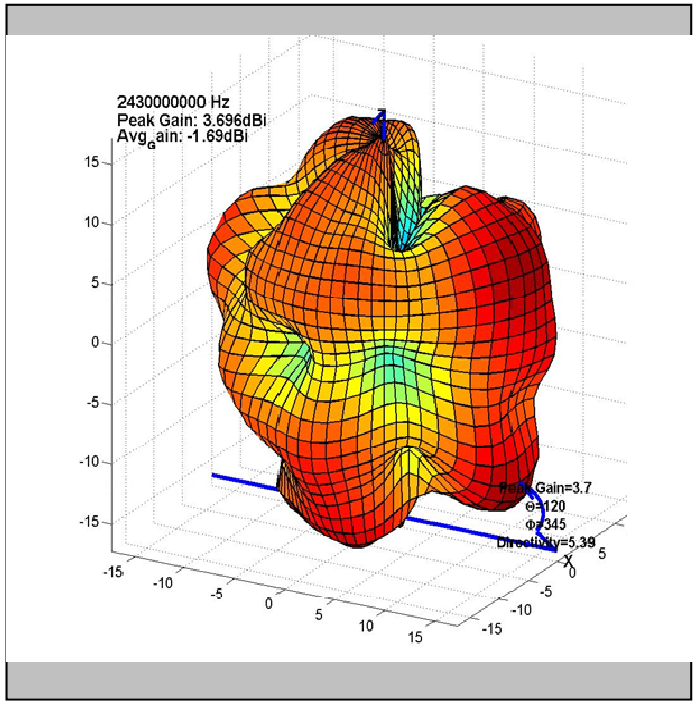
θ=120
Φ=345
Directivity=5.38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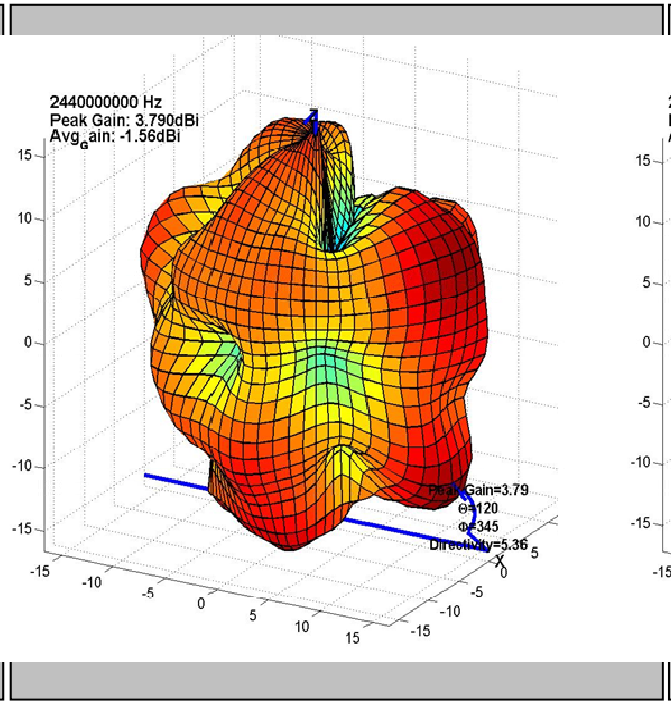
θ=120
Φ=345
Directivity=5.39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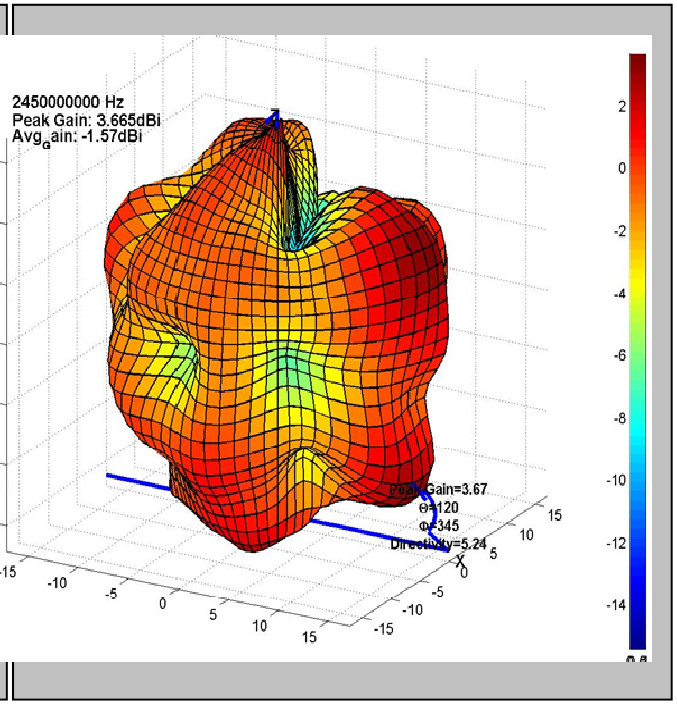
Peak Gain: 3.790dBi
Avg Gain: -1.56dBi
Peak Gain=3.79
θ=120
Φ=345
Directivity=5.36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θ=120
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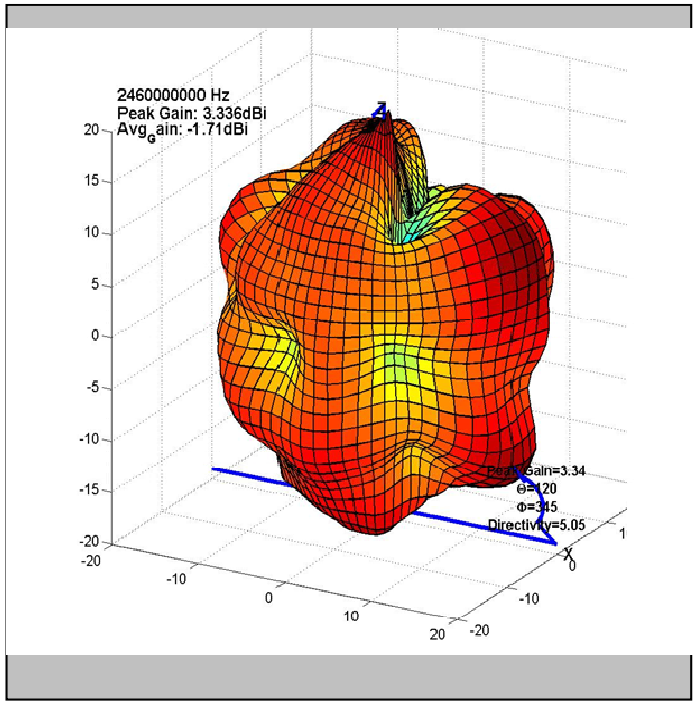
Directivity=5.24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Avg Gain: -1.71dBi
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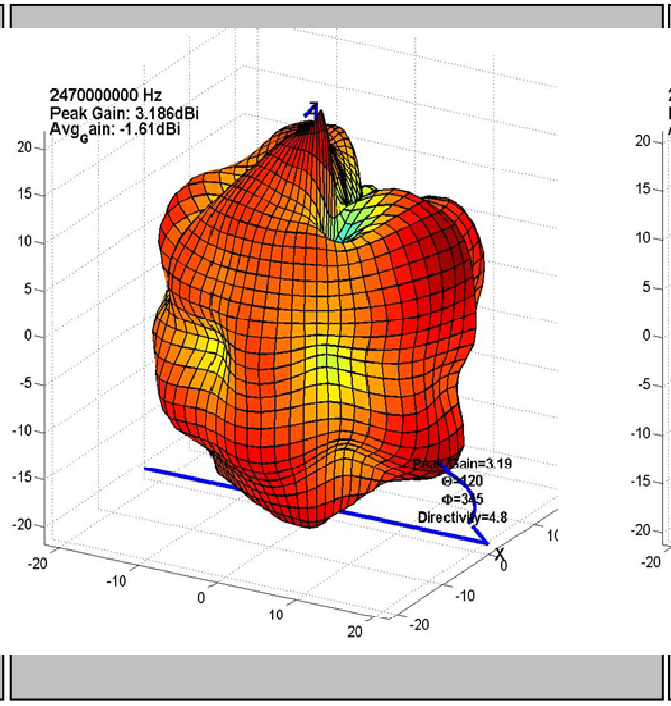
Θ=120
Φ=345
Directivity=5.05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Peak Gain=3.19
Θ=120
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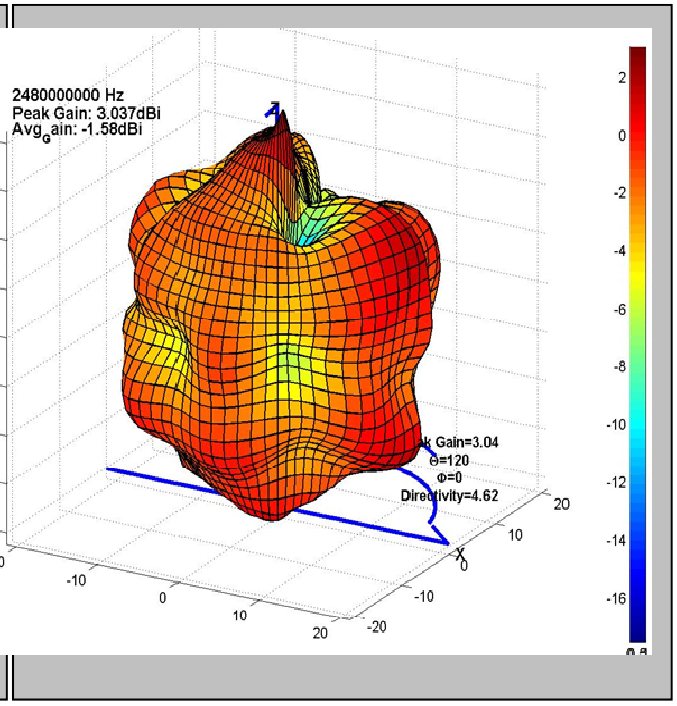
Directivity=4.8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Peak Gain=3.04
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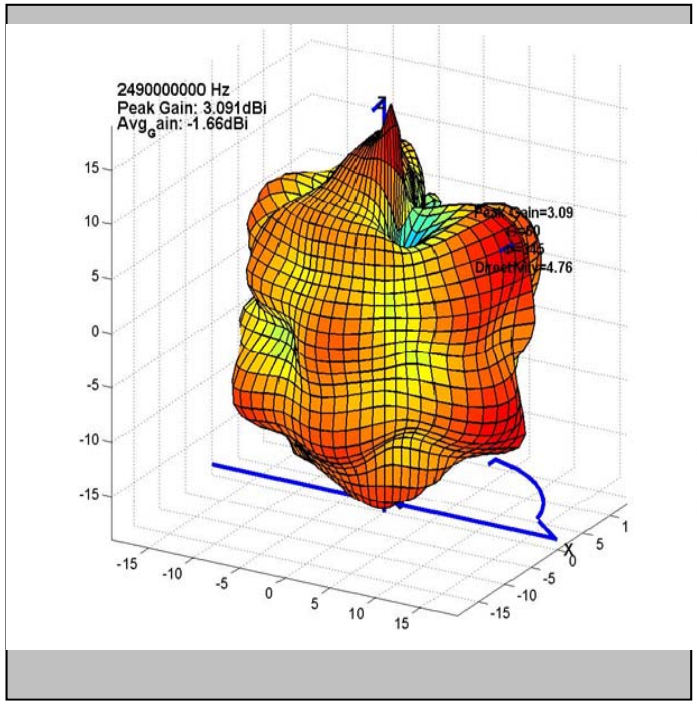
Directivity=4.62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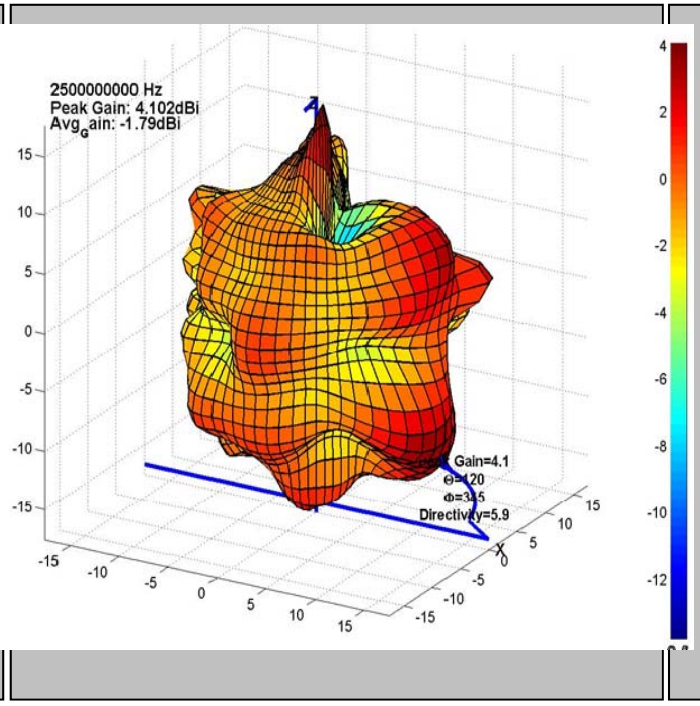
Peak Gain=3.09
Θ=0
Φ=345
Directivity=4.76


2500000000 Hz
Peak Gain: 4.102dBi
Avg Gain: -1.79dBi
Peak Gain=4.1
Θ=120
Φ=345
Directivity=5.9