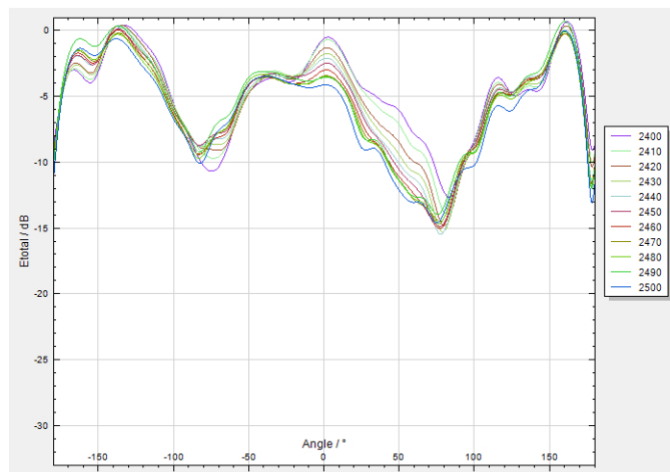
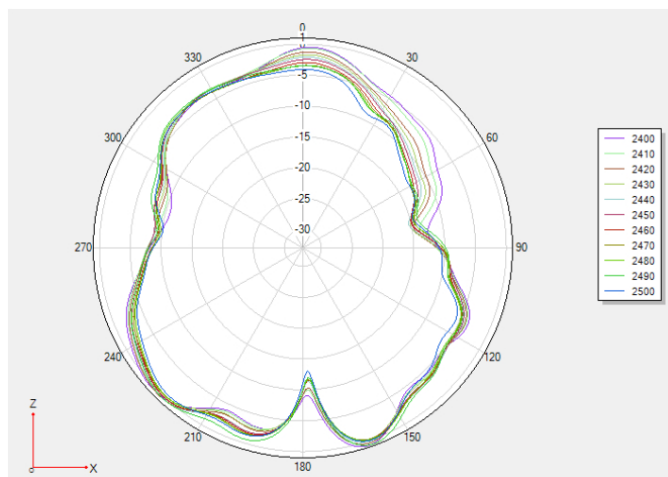
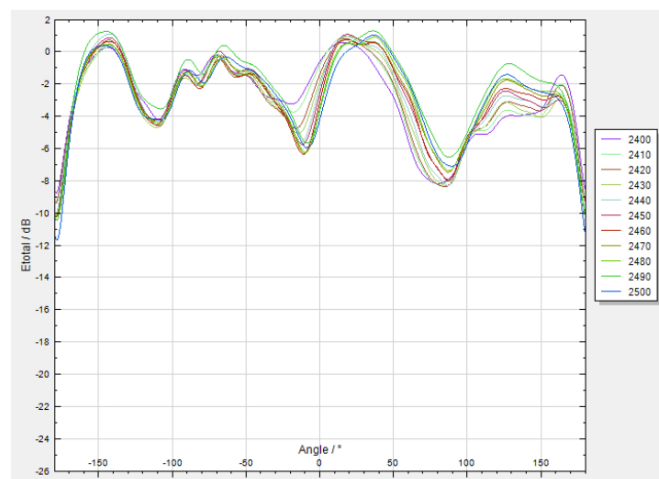
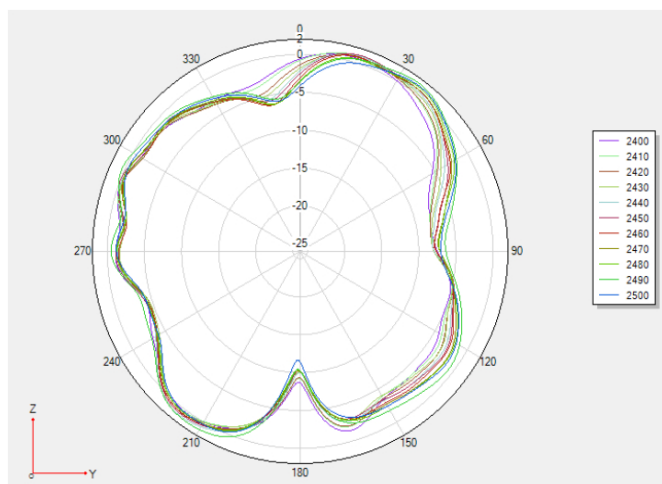


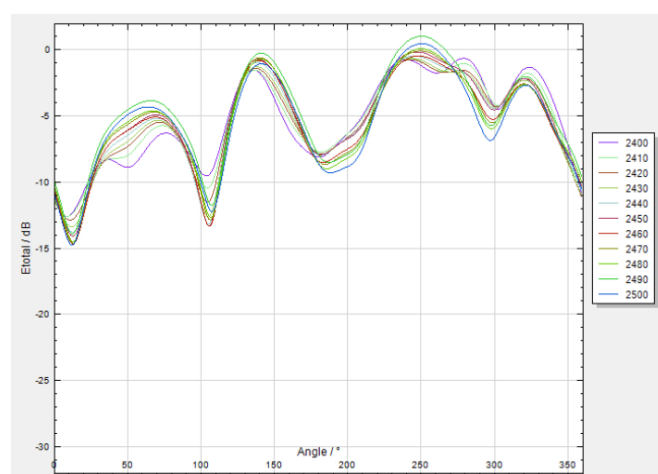
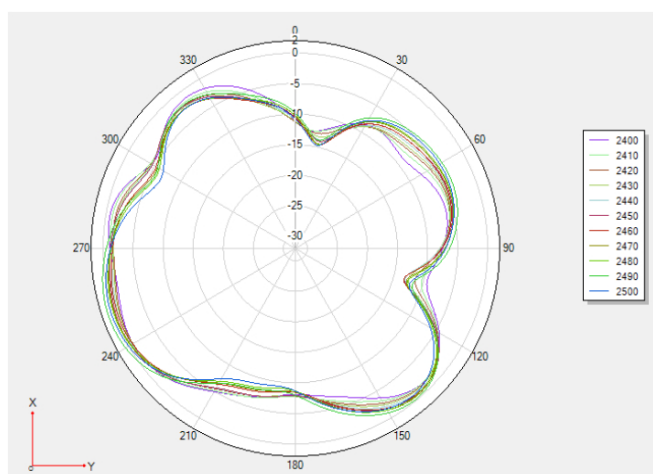
2D H面



2D E1面

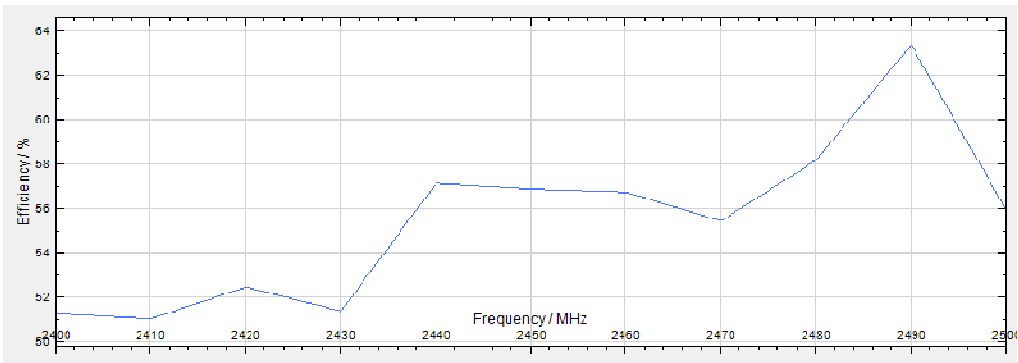
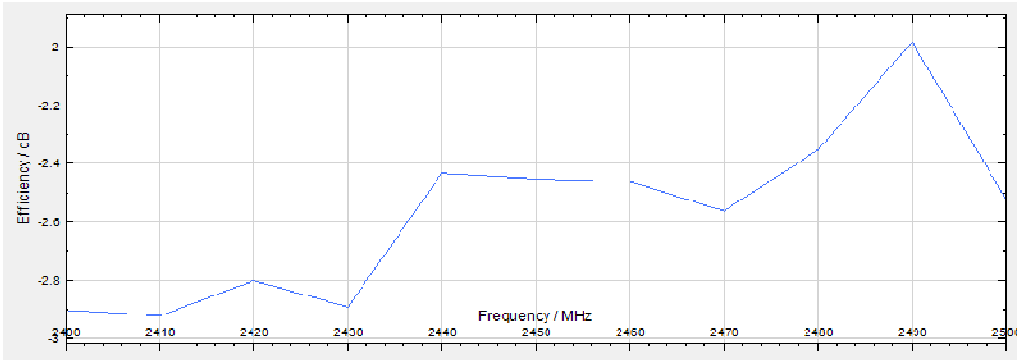


2D E2面



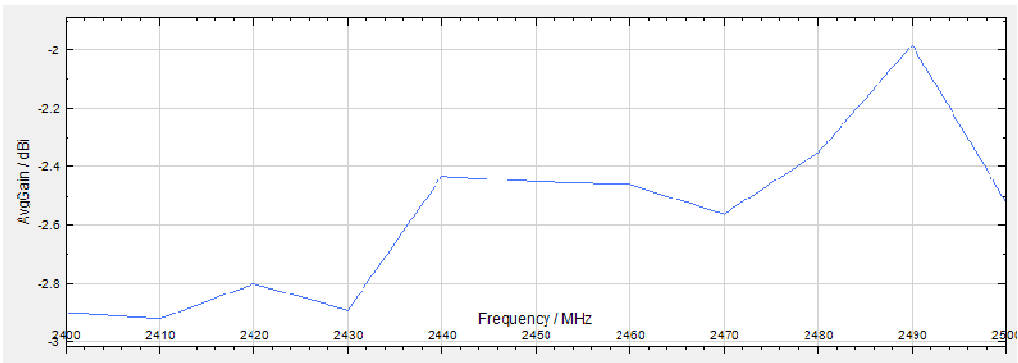
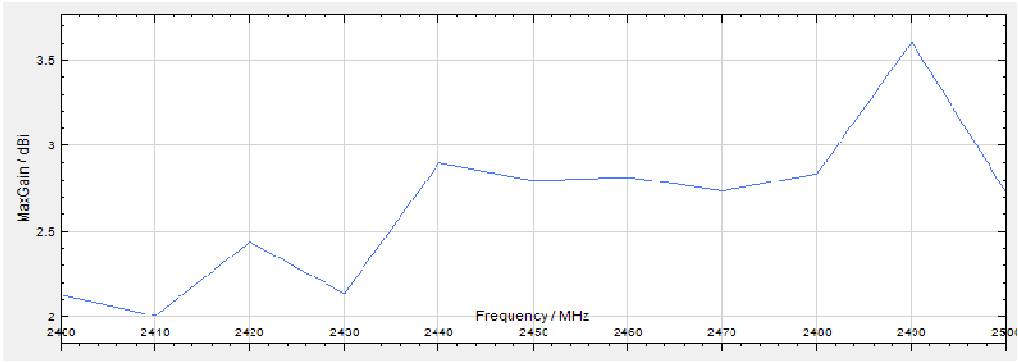
Efficiency

Frequency	Efficiency /	Efficiency / %
2400	-2.9	51.29
2410	-2.92	51.05
2420	-2.8	52.48
2430	-2.89	51.4
2440	-2.43	57.15
2450	-2.45	56.89
2460	-2.46	56.75
2470	-2.56	55.46
2480	-2.35	58.21
2490	-1.98	63.39
2500	-2.52	55.98

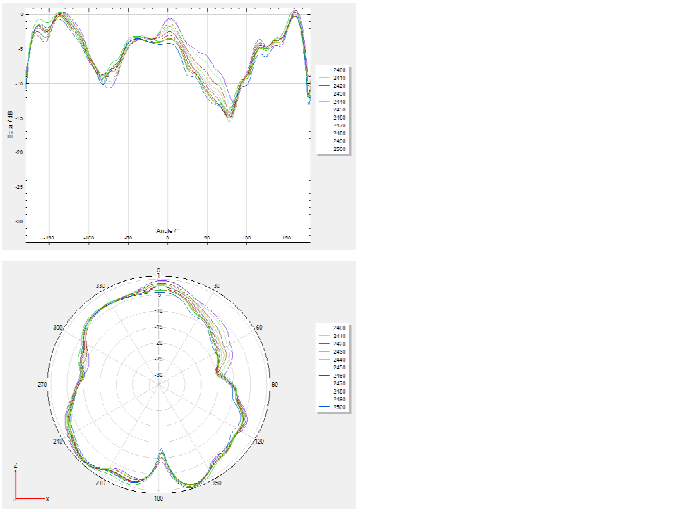


Gain

Frequency	MaxGain/d	AvgGain/dBi
2400	2.13	-2.9
2410	2.01	-2.92
2420	2.44	-2.8
2430	2.14	-2.89
2440	2.9	-2.43
2450	2.8	-2.45
2460	2.82	-2.46
2470	2.74	-2.56
2480	2.84	-2.35
2490	3.61	-1.98
2500	2.73	-2.52



Phi 0 2D graph

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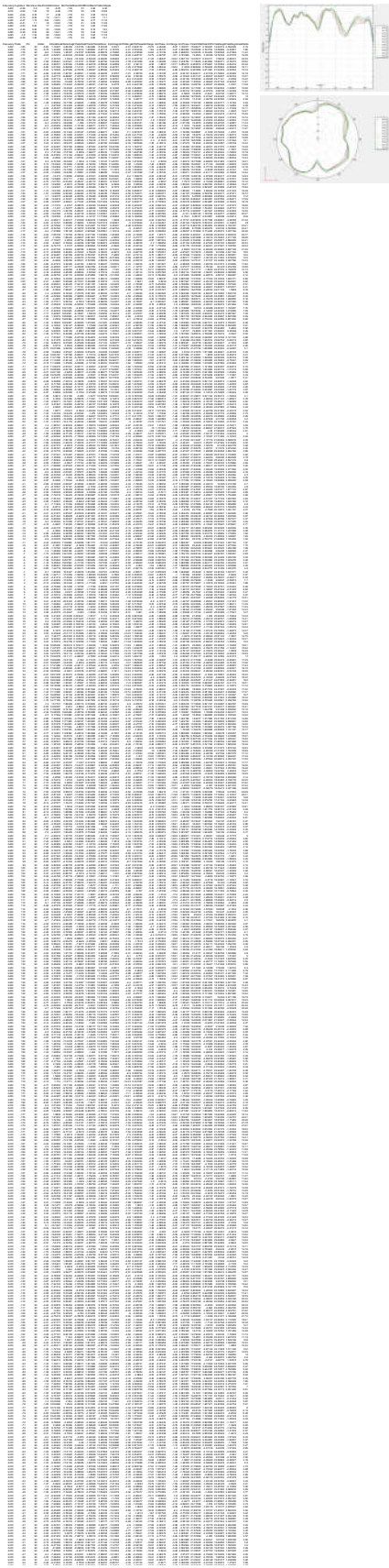
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2500 110 0 -5.59 -5.42105 -0.97857 -0.04572 -2.39872 3.39710 5.44736 -10.20 -1.01318 -25.41 -1.55416 -6.65 -2.485 17.51264 -1.75253 15.90059 0.088481 2.01
2500 111 0 -8.29 -5.25042 -0.55952 -0.91461 -3.33878 5.25055 -10.02 -0.92829 -24.61 -1.54483 -8.36 -2.395 17.85427 -1.88729 15.21177 0.15954 2.13
2500 112 0 -6.09 -4.88742 -0.28186 -0.38622 -2.232 4.14446 -0.0097 -0.890 -0.84818 -23.95 -1.50704 -6.12 -2.31726 18.55008 -1.61438 16.44220 -0.30536 2.24
2500 113 0 -3.87 -4.48742 -0.82471 -0.14417 -0.14873 -4.81167 4.7222 -0.77194 -23.16 -1.44403 -3.86 -2.2370 18.2498 -1.5376 16.5694 -0.81848 2.35
2500 114 0 -5.75 -3.34823 -7.32409 -7.09827 -2.06631 5.23965 4.35474 -0.68 -0.80791 -22.9 -1.36787 -5.93 -2.15768 18.4555 -1.46085 16.8694 -0.83485 2.45
2500 115 0 -3.66 -3.24747 -7.45251 -7.52387 -1.08324 5.7561 -0.0425 -0.607 -0.80174 -22.4 -1.24688 -3.77 -2.0787 18.5222 -1.3811 16.4636 -0.75309 2.55
2500 116 0 -5.67 -2.33443 -7.59551 -7.91444 -1.18944 5.80775 -3.84258 -0.6 -0.55556 -22.08 -1.12168 -5.77 -1.99584 18.65524 -1.29951 16.5764 -0.67177 2.68
2500 117 0 -5.89 -1.58577 -8.13556 -7.95044 -1.75032 6.11 -3.22347 -0.6 -0.45548 -21.65 -0.79509 -5.6 -1.91347 18.85259 -1.21238 16.11221 -0.58553 2.83
2500 118 0 -5.75 -1.01318 1.19273 -6.54505 -1.60384 6.30712 -2.78524 -0.62 -0.41522 -21.15 -0.81777 -5.81 -1.82617 18.76519 -1.12116 16.1743 -0.50455 3.03
2500 119 0 -5.83 -0.11679 8.14534 -8.16412 -1.58513 6.48169 -2.31723 -0.63 -0.34432 -20.54 -0.65324 -5.91 -1.73501 18.74283 -1.02587 15.86857 -0.241657 3.20
2500 120 0 -5.92 -0.91892 -7.99184 -6.26851 -1.48879 6.7565 -1.83681 -0.7 -0.27236 -19.93 -0.49966 -6.1 -1.64062 18.7874 -0.93077 15.58473 -0.23296 3.63
2500 121 0 -6.01 -1.77398 -7.73415 -6.30223 -1.3401 6.65485 -1.34238 -0.75 -0.19905 -19.02 -0.33326 -6.23 -1.54508 18.84956 -0.82223 15.05598 -0.22275 4.05
2500 122 0 -6.07 -2.74067 -7.38032 -6.45137 -1.21522 6.69882 -0.83691 -0.8 -0.12429 -18.17 -0.18815 -6.34 -1.43823 18.93825 -0.71827 14.66974 -0.21484 4.65
2500 123 0 -6.09 -3.69255 -6.93988 -6.47486 -1.08123 6.71181 -0.32325 -0.84 -0.04812 -17.1 -0.05596 -6.41 -1.32852 19.559 -0.60009 14.21892 -0.19859 5.12
2500 124 0 -6.07 -4.62651 -6.41421 -6.42755 -0.94559 6.65665 0.19579 -0.86 0.02032 -16.45 -0.058475 -6.41 -1.21831 19.21318 -0.50201 13.76681 -0.187419 5.72
2500 125 0 -6.01 5.516 -5.62195 -8.30007 -0.68128 6.65286 0.71746 -0.87 0.107427 -15.64 0.117459 -6.51 -1.1074 19.39881 -0.39718 13.42978 -0.174292 6.33
2500 126 0 -5.89 6.5352 -5.17058 -8.11852 -0.58333 6.54542 1.23898 -0.86 0.165596 -14.4 0.2380789 -6.46 -0.90571 19.6585 -0.25511 13.1330 -0.160729 6.93
2500 127 0 -5.74 7.11598 -4.47177 -7.89357 -0.59106 6.45089 1.75751 -0.83 0.2584425 -14.24 0.350381 -6.41 -0.89334 19.85427 -0.15989 12.92196 -0.14708 7.48
2500 128 0 -5.57 7.8014 -3.76323 -7.64349 -0.44545 6.37515 2.27013 -0.75 0.343189 -13.55 0.444085 -6.31 -0.78722 20.0651 -0.10312 12.70559 -0.133729 7.98
2500 129 0 -5.38 8.39734 -2.97148 -7.38843 -0.34511 6.23369 2.73739 -0.71 0.418828 -13.14 0.525284 -6.18 -0.68906 20.25433 -0.01351 12.7533 -0.12102 8.64
2500 130 0 -5.2 8.8958 -2.18257 -7.14447 -0.24313 6.09355 3.2653 -0.62 0.493991 -12.7 0.602679 -6.05 -0.59623 20.51042 0.071805 12.7871 -0.109186 8.75
2500 131 0 -5.03 9.29198 -1.39558 -6.92455 -0.14918 5.870 3.74137 -0.53 0.587423 -12.33 0.687892 -5.92 -0.50893 20.7078 0.15342 12.7959 -0.08933 9.03
2500 132 0 -4.87 9.55042 -0.59577 -6.73714 -0.05251 5.64909 4.19853 -0.43 0.639073 -12.03 0.7534 -5.6 -0.4357 20.8906 0.23503 12.8426 -0.08425 9.26
2500 133 0 -4.74 9.76715 0.19627 -6.58953 0.02009 5.45417 4.63325 -0.34 0.719991 -11.78 0.828593 -5.69 -0.34895 21.02796 0.358241 12.87198 -0.73935 9.45
2500 134 0 -4.63 9.84803 -0.99292 -6.47312 0.10019 5.12395 5.04182 -0.22 0.77338 -11.56 0.904346 -5.61 -0.2701 21.14892 0.530382 12.8736 -0.75913 9.62
2500 135 0 -4.58 9.8294 1.77481 -6.39378 0.179817 4.81694 5.42089 -0.18 0.844448 -11.41 0.981219 -5.58 -0.19963 21.24284 0.649685 12.83676 -0.62878 9.77
2500 136 0 -4.5 9.71774 2.55558 -6.34201 0.251918 4.4768 5.7496 -0.12 0.91638 -11.25 1.05879 -5.53 -0.12349 21.3121 0.753249 12.7623 -0.54976 9.94
2500 137 0 -4.47 9.52155 3.33081 -6.33081 0.336513 4.10791 6.07557 -0.08 0.979301 -11.12 1.136964 -5.52 -0.04676 21.3709 0.850405 12.65342 -0.46922 10.3
2500 138 0 -4.44 9.2515 4.10412 -6.2799 0.41759 3.7883 6.3465 -0.06 1.04186 -10.98 1.21452 -5.53 0.025314 21.4188 0.97893 12.519 -0.38413 10.38
2500 139 0 -4.42 8.91774 4.87867 -6.24171 0.505543 3.28553 6.57053 -0.07 1.107725 -10.82 1.293664 -5.55 0.102782 21.45934 0.715708 12.3855 -0.29167 10.12
2500 140 0 -4.39 8.54847 5.59563 -6.17971 0.59289 2.8269 6.75091 -0.09 1.162716 -10.64 1.36359 -5.66 0.1826 21.50774 0.62388 12.2768 -0.1984 10.58
2500 141 0 -4.34 8.11485 6.44235 -6.07595 0.677023 2.34975 6.88351 -0.15 1.24184 -10.43 1.431674 -5.68 0.263691 21.56973 0.550510 12.2598 -0.07637 11.28
2500 142 0 -4.28 7.7872 7.23999 -5.91951 0.756424 1.8542 6.9668 -0.22 1.319074 -10.19 1.493383 -5.53 0.32524 21.6214 0.358108 12.2586 0.04943 11.63
2500 143 0 -4.14 7.2286 8.05195 -5.70281 0.83979 1.34507 6.99939 -0.32 1.38841 -9.93 1.547255 -5.49 0.440712 21.7066 1.053453 12.5071 0.77263 11.98
2500 144 0 -3.97 6.73737 8.88526 -5.43349 0.91910 0.83393 6.98125 -0.44 1.453589 -9.65 1.592168 -5.33 0.525599 21.84642 1.123881 12.89514 0.309189 12.73
2500 145 0 -3.77 6.34647 9.72561 -5.0895 0.98962 0.31095 6.91258 -0.59 1.52843 -9.35 1.62738 -5.17 0.617528 22.0663 1.183033 13.46484 0.36297 12.55
2500 146 0 -3.51 5.94332 10.58717 -4.69823 1.059268 -0.19975 6.79444 -0.74 1.605187 -9.03 1.632551 -4.94 0.70286 22.24158 1.251653 14.55992 0.553115 12.12
2500 147 0 -3.22 5.58171 11.48234 -4.27955 1.1176 -0.05575 6.63864 -0.91 1.635373 -8.71 1.689723 -4.67 0.783522 22.44473 1.307005 14.88739 0.686163 12.62
2500 148 0 -2.91 5.26819 12.36578 -3.82616 1.176498 -1.16889 6.41774 -1.09 1.703206 -8.38 1.673276 -4.35 0.857587 22.65893 1.355705 15.81322 0.74352 12.85
2500 149 0 -2.57 5.0041 13.2338 -3.38984 1.23835 -1.44101 6.16252 -1.3 1.846274 -8.04 1.668869 -4.01 0.925514 22.87658 1.387341 16.71118 0.818265 12.84
2500 150 0 -2.22 4.8104 14.11528 -2.9126 1.242348 -2.01198 5.87444 -1.52 1.930772 -7.7 1.658484 -3.68 0.958563 23.0916 1.431738 17.57616 0.879293 12.82
2500 151 0 -1.87 4.57494 15.0026 -2.49543 1.283355 -2.3691 5.55551 -1.77 1.937349 -7.38 1.640172 -3.31 1.038184 23.32026 1.458857 18.46402 0.932551 12.82
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2500 162 0 -0.1 6.24897 19.49708 -0.15953 1.260623 -1.8986 1.46148 -18.82 2.483202 -4.17 1.305303 -2.06 1.224792 24.5009 1.366712 22.91727 1.148594 19.21
2500 163 0 -0.23 6.45483 19.11046 -0.28971 1.2401 -1.47488 1.1964 -20.31 2.49973 -4.1 1.281086 -2.08 1.21496 24.58613 1.33338 22.8504 1.154113 21.1
2500 164 0 -0.47 6.62493 18.55676 -0.42923 1.227891 -1.02741 0.97086 -23.38 2.384486 -4.09 1.258783 -2.05 1.203805 24.54593 1.291635 22.6408 1.160368 23.48
2500 165 0 -0.76 6.75267 17.8377 0.77542 1.238883 -0.55964 0.78777 -26.66 2.188475 -3.42 1.181791 22.84794 1.240771 22.35722 1.155522 27.53
2500 166 0 -1.14 6.83037 16.8556 -1.14411 1.17892 -0.58412 0.64871 -30.16 1.859553 -4.3 1.121848 -3.67 1.157152 22.40773 1.250487 21.5548 1.189739 35.12
2500 167 0 -1.16 6.85107 15.30396 -1.05964 1.164428 0.35859 0.55851 -29.75 0.968185 -4.54 1.232516 -3.49 1.125749 22.25944 1.1157 21.42704 1.17246 42.27
2500 168 0 -2.16 6.81807 14.7427 -1.7205 1.13605 0.35869 0.51534 -26.53 0.51942 -4.89 1.18979 -5.47 1.05993 21.6326 1.05196 20.7571 1.173289 26.53
2500 169 0 -2.82 6.70353 13.45312 -2.65265 1.07678 1.25553 0.50704 -23.72 0.356163 -5.34 1.172327 -6.37 1.05532 20.9426 1.034401 19.02292 1.171473 24.58
2500 170 0 -3.6 6.53462 12.59425 -3.8641 1.072634 1.59994 0.27464 -21.64 0.330914 -5.54 1.189924 -6.77 0.970525 20.54453 0.956485 16.89117 1.165971 21.53
2500 171 0 -4.5 6.29933 10.49882 -4.62541 1.030374 1.94509 0.07642 -20.11 0.34676 -6.69 1.43596 -8.54 0.88999 19.8426 0.935188 17.61322 1.153331 19.49
2500 172 0 -5.65 6.05115 9.08995 -5.7502 0.977956 2.1591 0.03497 -18.9 0.338978 -7.63 1.34519 -9.77 0.77225 19.86203 0.87086 16.5254 1.136562 18.24
2500 173 0 -6.78 5.84442 7.26623 -7.10708 0.910376 2.3839 0.15889 -18.71 0.495934 -8.82 1.123003 -11.04 0.643435 19.22055 0.853422 13.95151 1.087263 17.91
2500 174 0 -8.71 5.3388 5.55911 -8.68989 0.818565 2.44807 1.25564 -17.59 0.73773 -10.34 1.11415 -12.23 0.445167 17.23965 0.72862 11.23351 1.000204 19.27
2500 175 0 -9.71 4.77671 3.91218 -10.5716 0.686226 2.4438 1.53351 -17.18 0.568439 -12.33 1.089962 -13.16 0.2286 16.11962 0.648195 7.453508 0.759267 26.33
2500 176 0 -11.29 4.28023 2.24585 -12.6861 0.483168 2.3441 1.84074 -18.88 0.688502 -15.05 1.030777 -15.84 -0.01653 16.81846 0.53373 2.857008 0.5207103 21.64
2500 177 0 -12.59 3.75339 0.61932 -14.7801 0.162414 2.1484 2.20152 -16.62 0.797377 -19.37 1.092604 -18.92 -0.25213 13.3018 0.44326 4.056878 -0.77992 9.91
2500 178 0 -13.93 3.2547 -0.55951 -15.8948 -0.391 1.8803 2.56588 -15.2 0.947511 -28.62 0.96921 -13.21 -0.43325 11.5024 0.319513 8.56669 -0.12963 2.98
2500 179 0 -12.54 2.84351 -2.48989 -15.2258 -0.7498 1.48241 2.99971 -15.89 1.111812 -29.04 -1.91988 -26.64 -0.62687 9.37814 0.1129067 11.58265 -1.38128 2.65
2500 180 0 -11.31 2.37896 -3.87171 -13.5253 -1.07802 1.02021 3.43975 -15.29 1.258497 -19.4 -2.01855 -12.04 -0.72536 8.89818 -0.13389 14.35951 -1.42859 7.98

Phi 90 2D graph



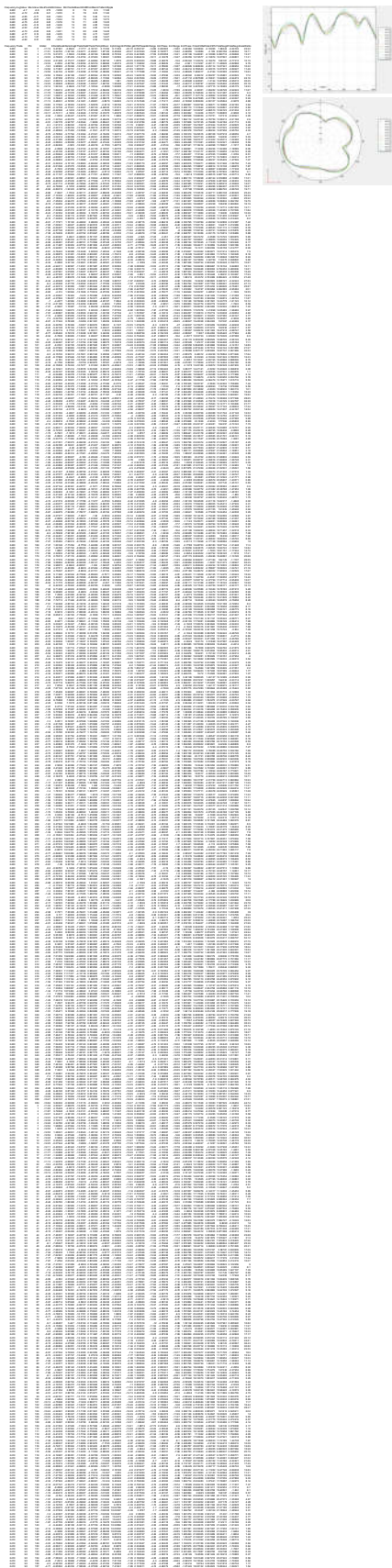
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Theta 90 2D graph



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2.4G WIFI antenna location

