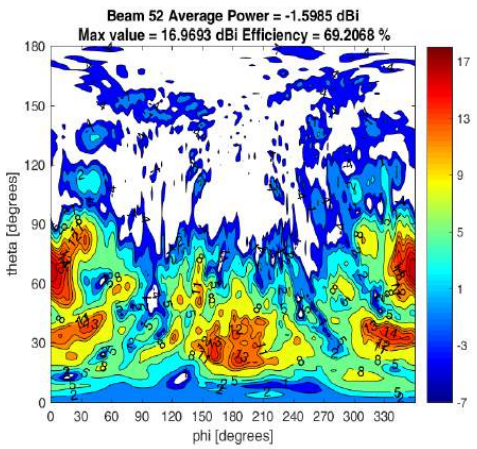
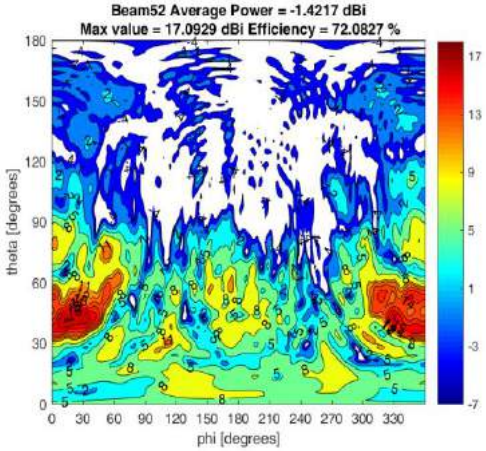
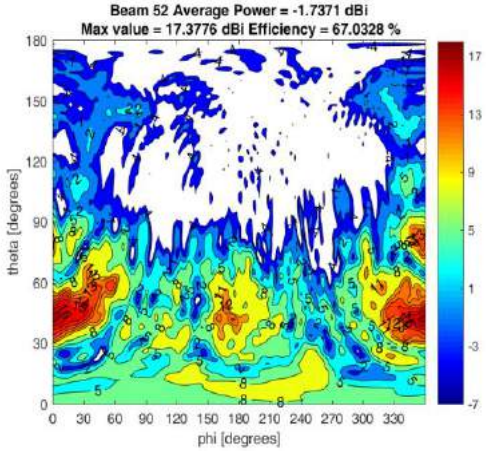
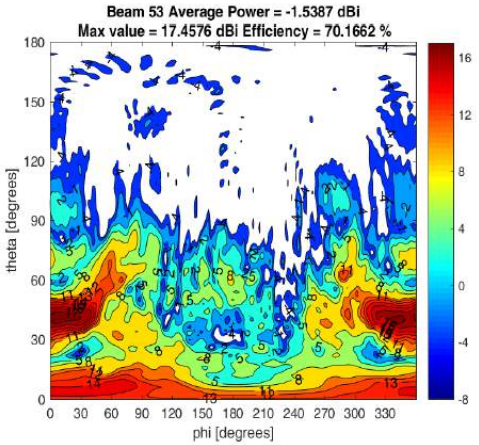
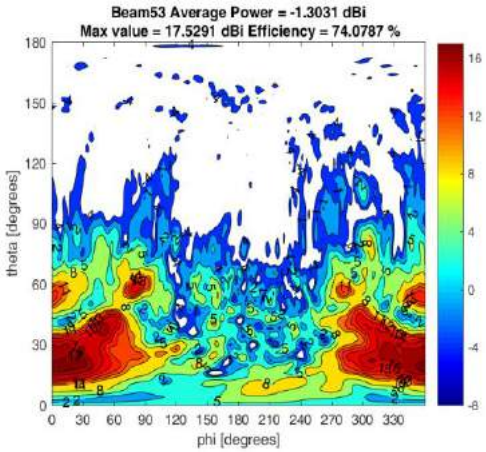
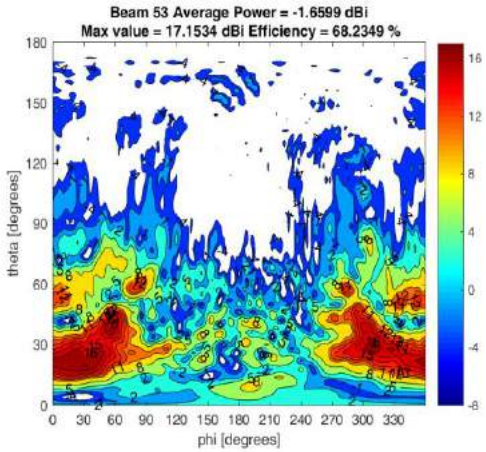
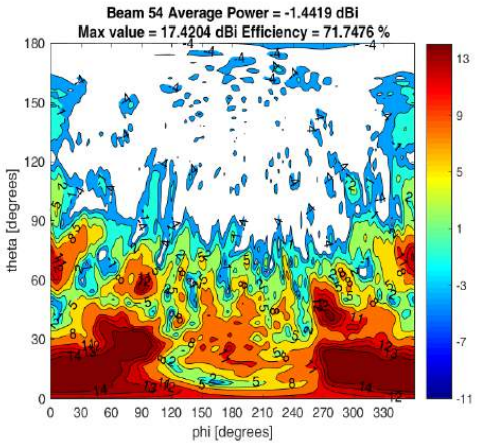
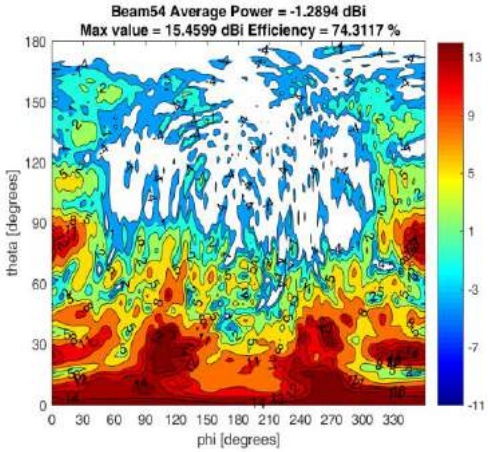
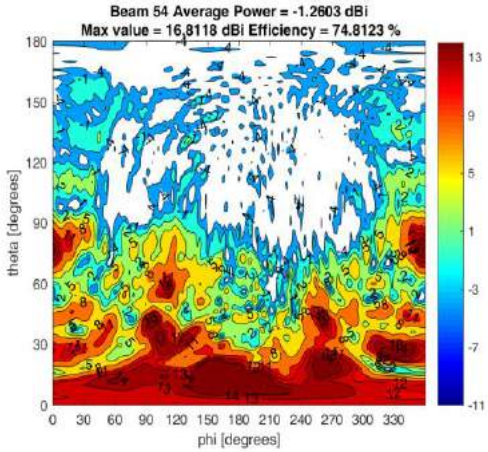
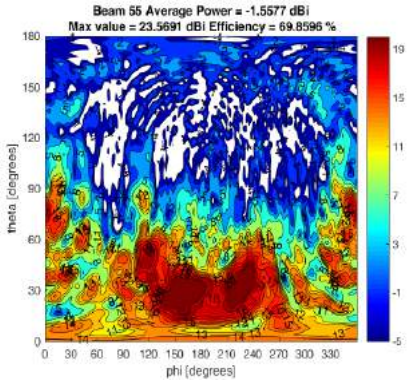
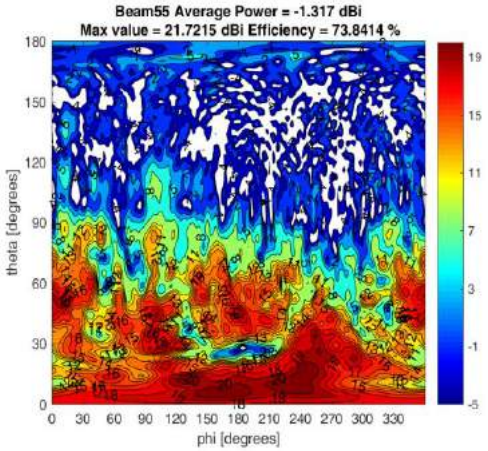
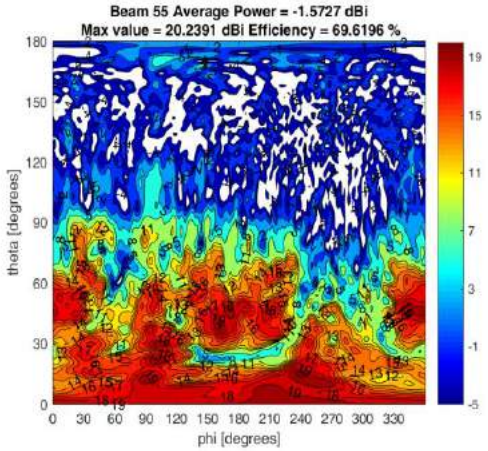
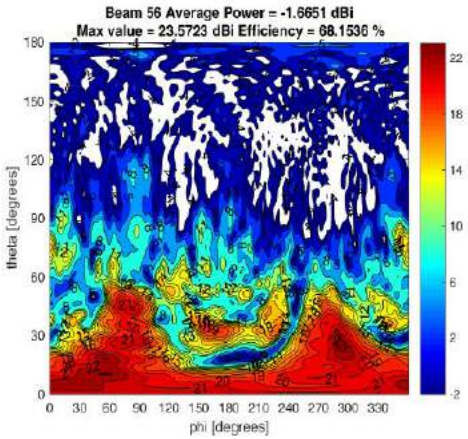
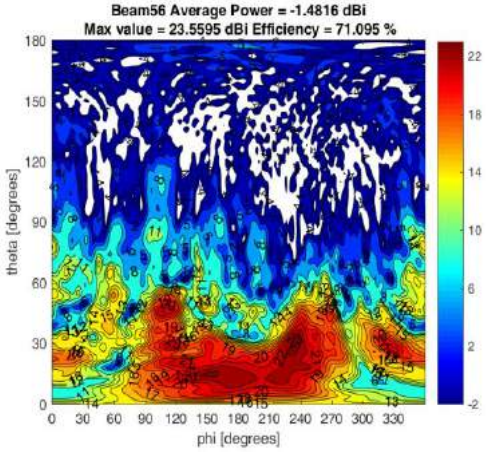
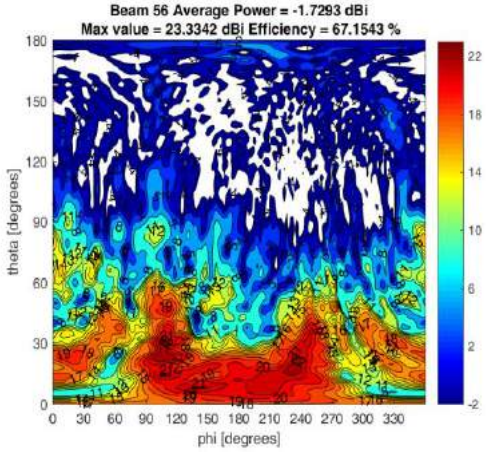
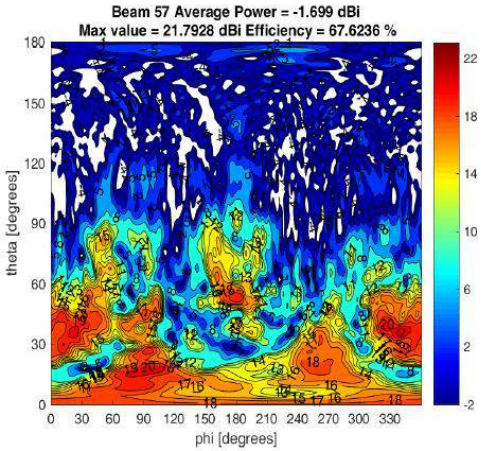
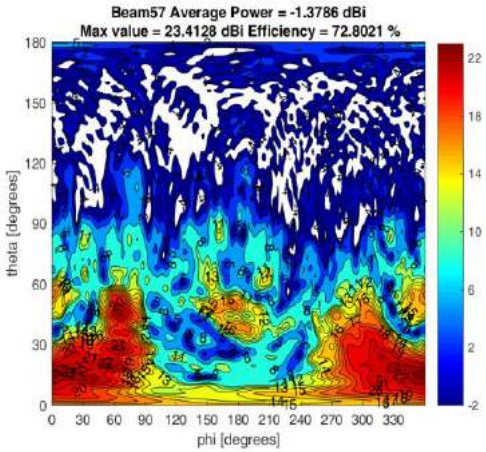
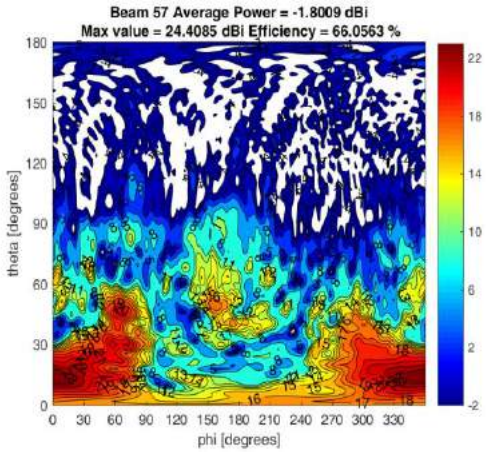
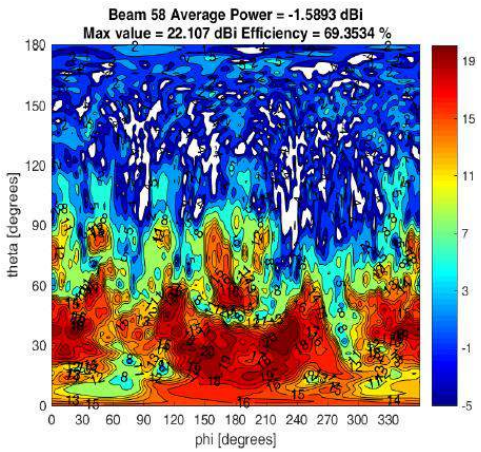
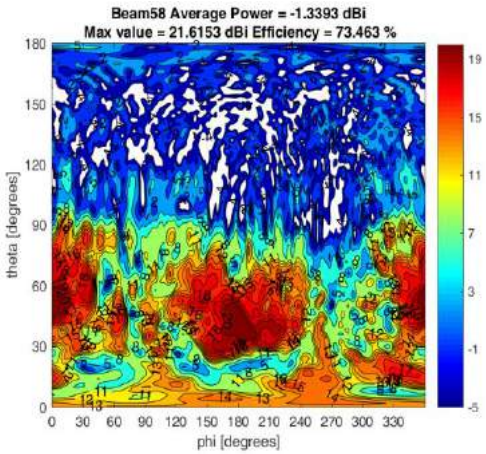
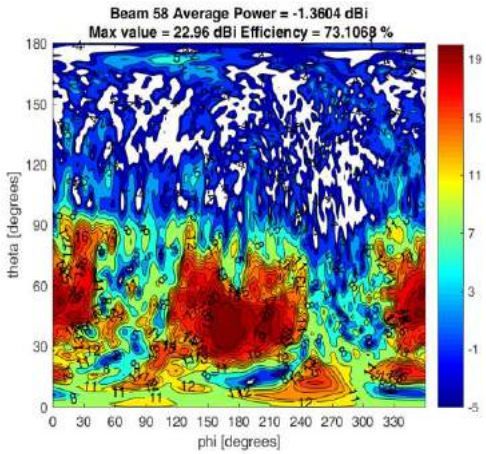
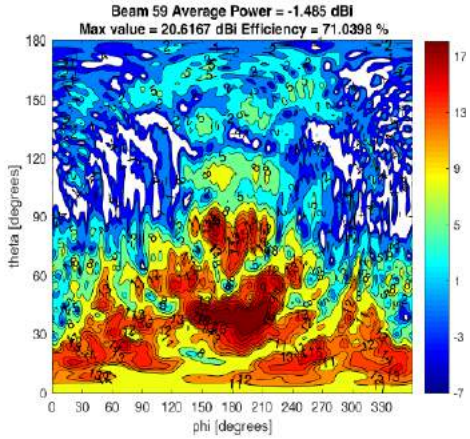
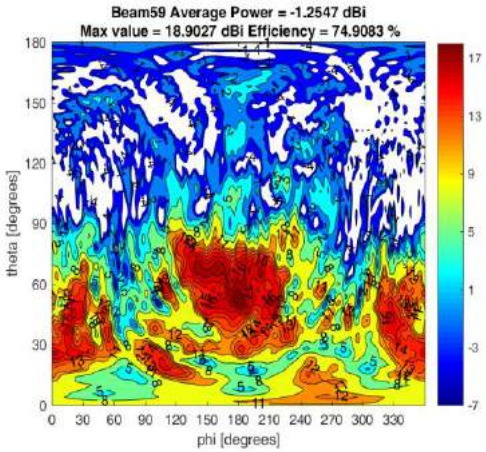
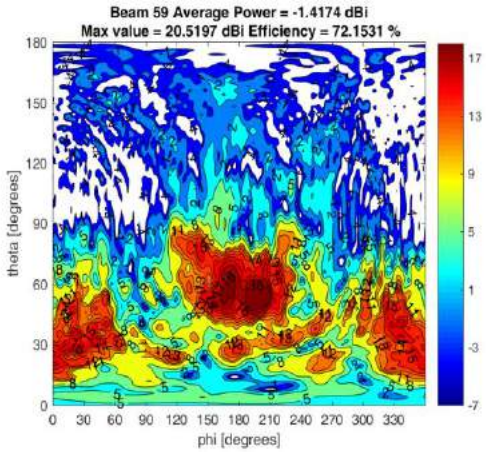
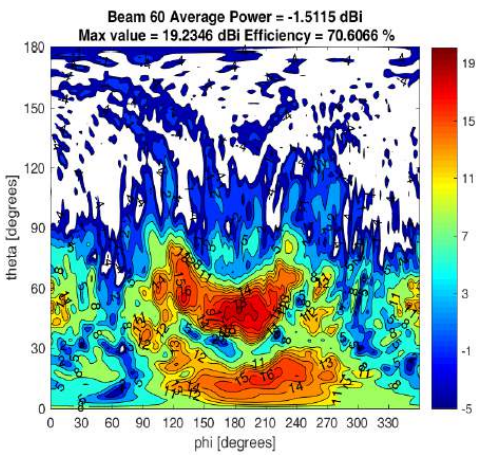
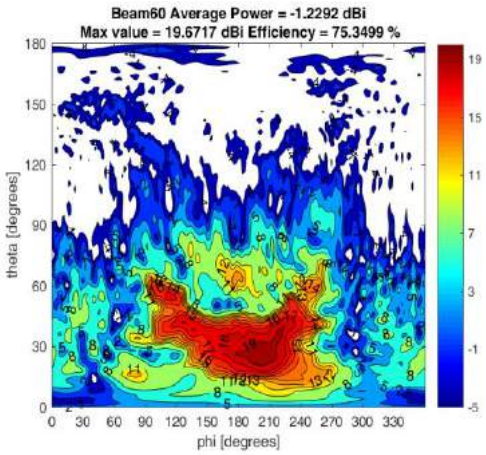
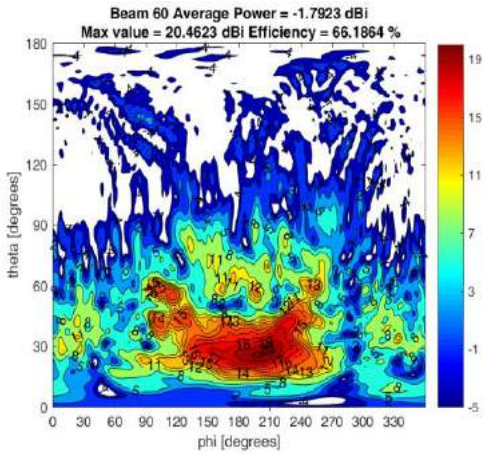
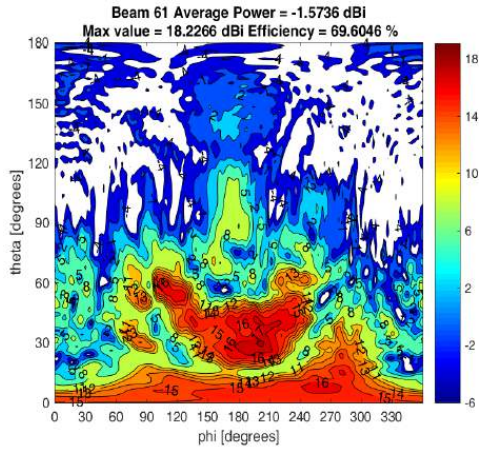
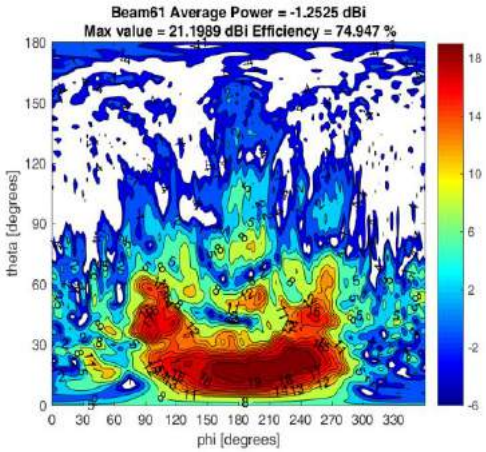
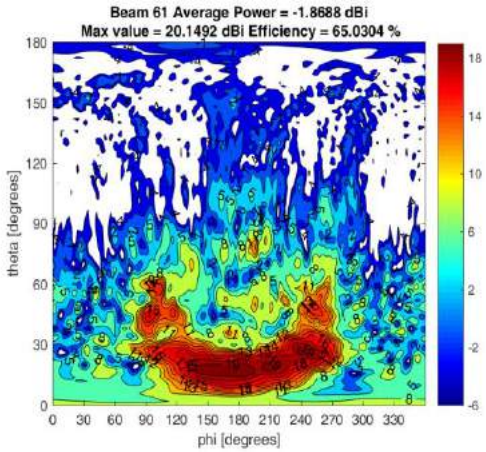
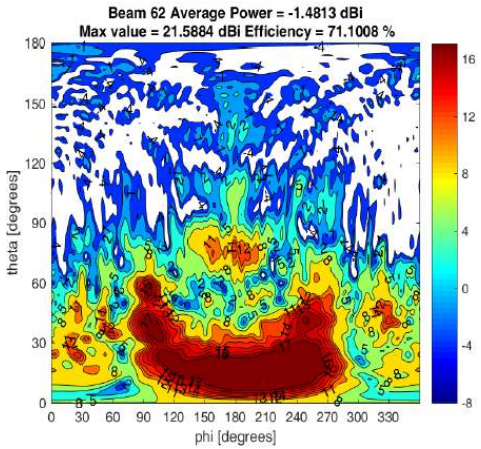
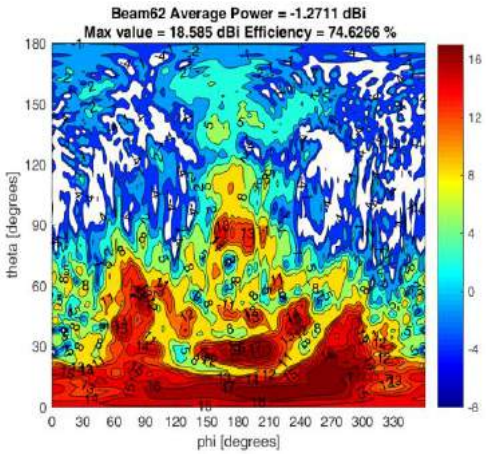
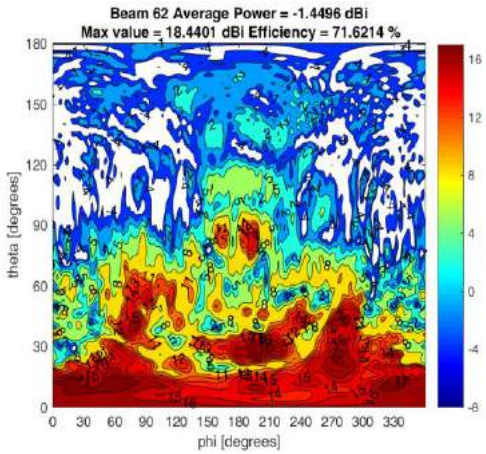
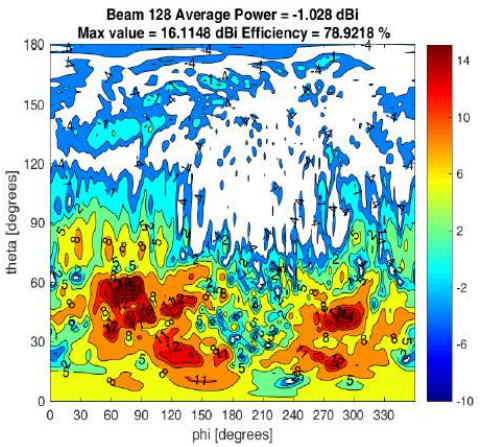
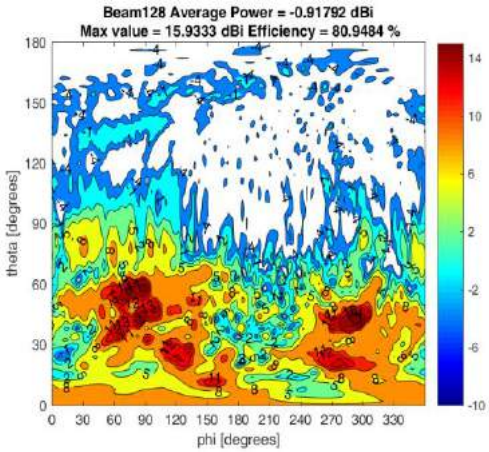
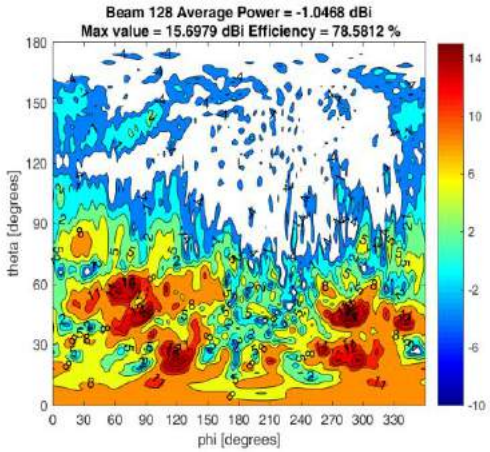
52	 Beam 52 Average Power = -1.5985 dBi Max value = 16.9693 dBi Efficiency = 69.2068 % theta [degrees] phi [degrees]	 Beam52 Average Power = -1.4217 dBi Max value = 17.0929 dBi Efficiency = 72.0827 % theta [degrees] phi [degrees]	 Beam 52 Average Power = -1.7371 dBi Max value = 17.3776 dBi Efficiency = 67.0328 % theta [degrees] phi [degrees]
53	 Beam 53 Average Power = -1.5387 dBi Max value = 17.4576 dBi Efficiency = 70.1662 % theta [degrees] phi [degrees]	 Beam53 Average Power = -1.3031 dBi Max value = 17.5291 dBi Efficiency = 74.0787 % theta [degrees] phi [degrees]	 Beam 53 Average Power = -1.6599 dBi Max value = 17.1534 dBi Efficiency = 68.2349 % theta [degrees] phi [degrees]

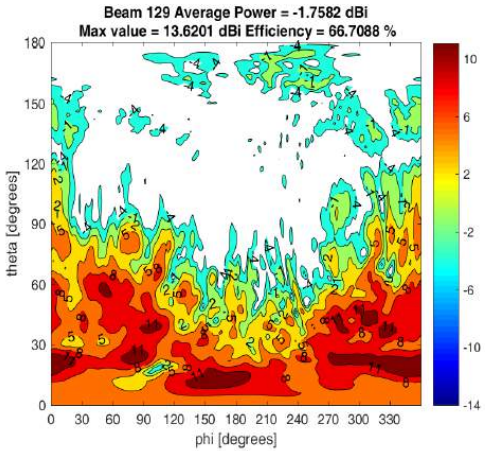
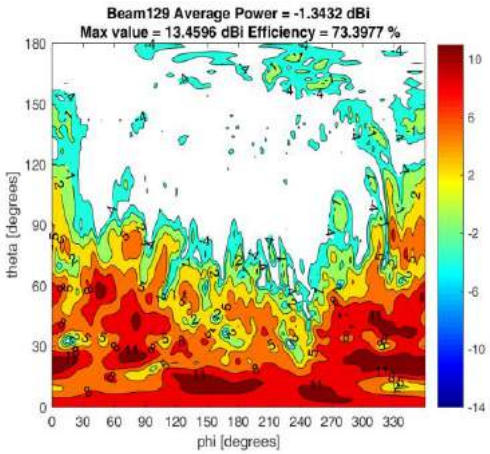
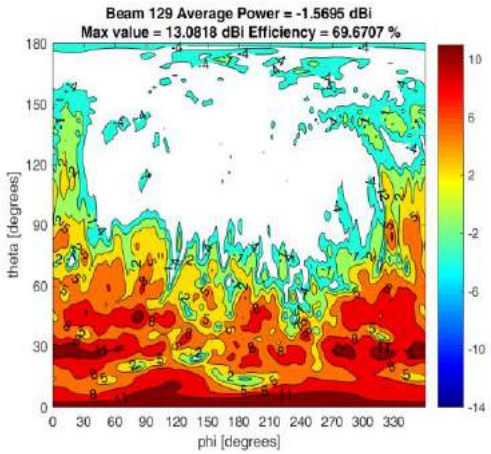
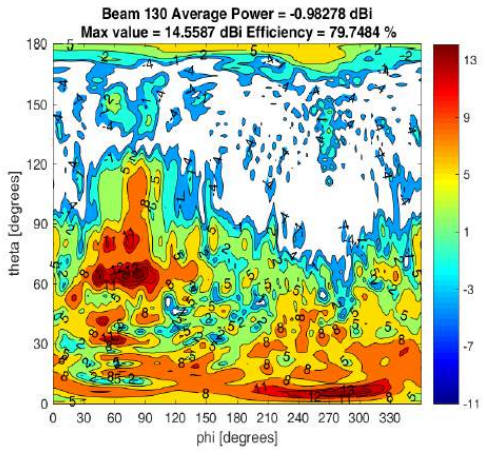
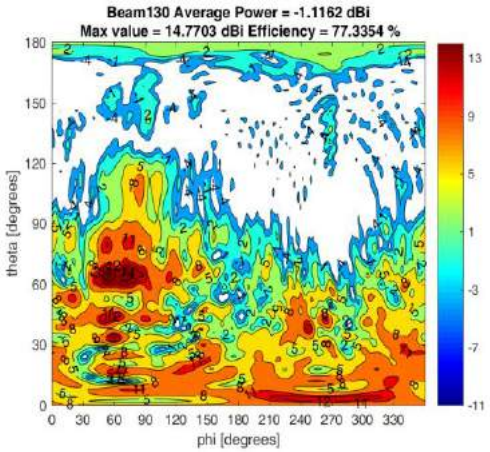
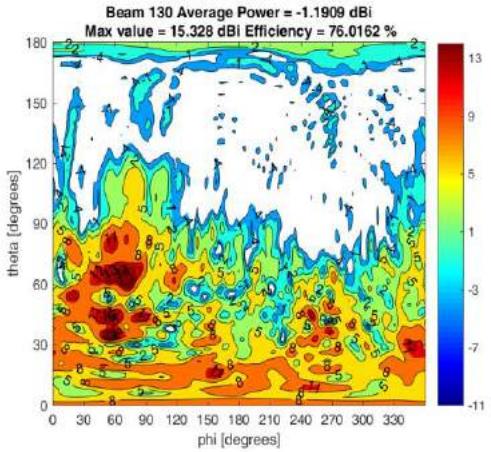
54	 Beam 54 Average Power = -1.4419 dBi Max value = 17.4204 dBi Efficiency = 71.7476 % theta [degrees] phi [degrees]	 Beam54 Average Power = -1.2894 dBi Max value = 15.4599 dBi Efficiency = 74.3117 % theta [degrees] phi [degrees]	 Beam 54 Average Power = -1.2603 dBi Max value = 16.8118 dBi Efficiency = 74.8123 % theta [degrees] phi [degrees]
55	 Beam 55 Average Power = -1.5577 dBi Max value = 23.5691 dBi Efficiency = 69.8596 % theta [degrees] phi [degrees]	 Beam55 Average Power = -1.317 dBi Max value = 21.7215 dBi Efficiency = 73.8414 % theta [degrees] phi [degrees]	 Beam 55 Average Power = -1.5727 dBi Max value = 20.2391 dBi Efficiency = 69.6196 % theta [degrees] phi [degrees]

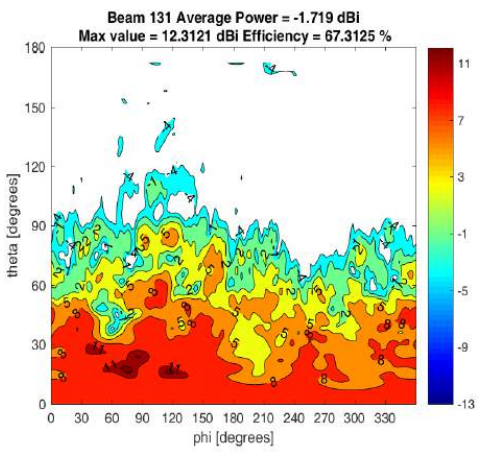
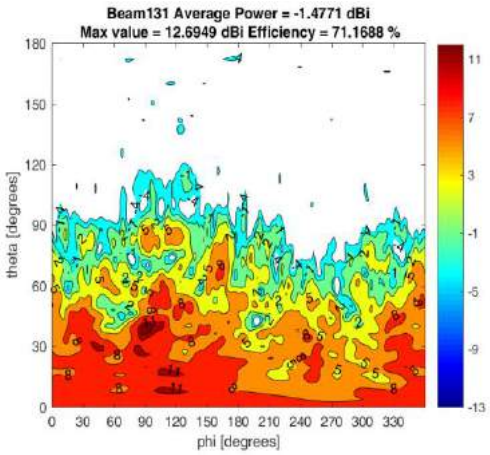
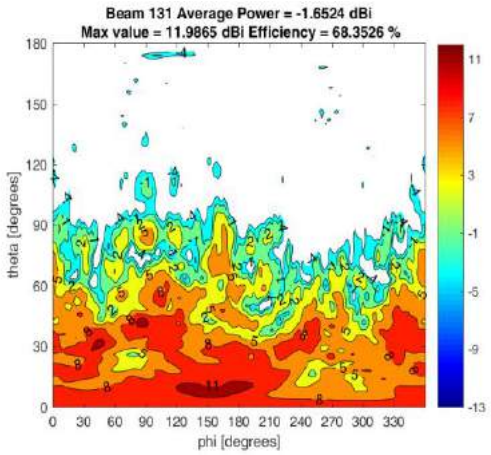
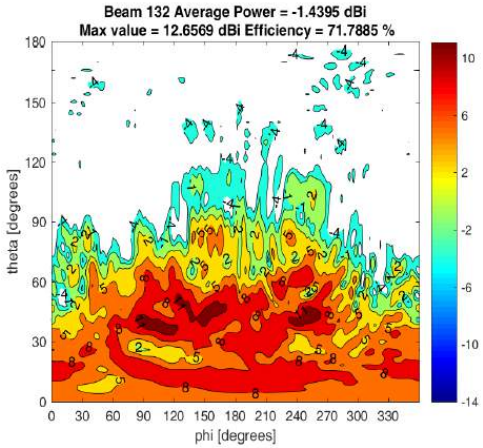
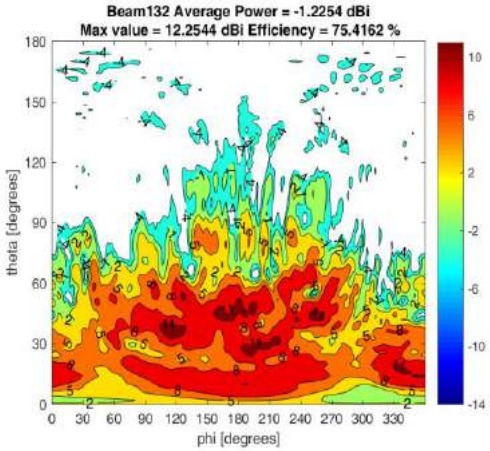
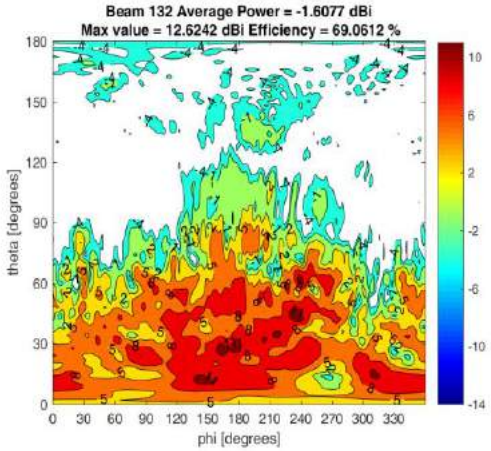
56	 Beam 56 Average Power = -1.6651 dBi Max value = 23.5723 dBi Efficiency = 68.1536 % theta [degrees] phi [degrees]	 Beam56 Average Power = -1.4816 dBi Max value = 23.5595 dBi Efficiency = 71.095 % theta [degrees] phi [degrees]	 Beam 56 Average Power = -1.7293 dBi Max value = 23.3342 dBi Efficiency = 67.1543 % theta [degrees] phi [degrees]
57	 Beam 57 Average Power = -1.699 dBi Max value = 21.7928 dBi Efficiency = 67.6236 % theta [degrees] phi [degrees]	 Beam57 Average Power = -1.3786 dBi Max value = 23.4128 dBi Efficiency = 72.8021 % theta [degrees] phi [degrees]	 Beam 57 Average Power = -1.8009 dBi Max value = 24.4085 dBi Efficiency = 66.0563 % theta [degrees] phi [degrees]

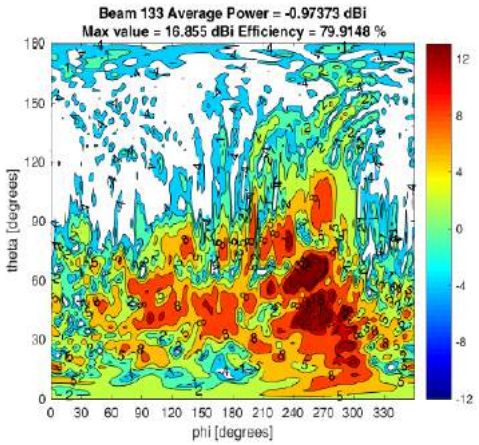
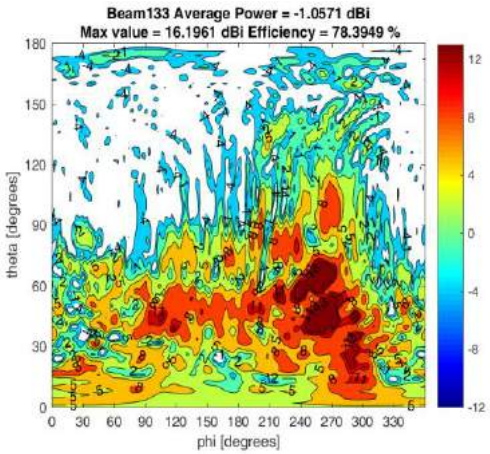
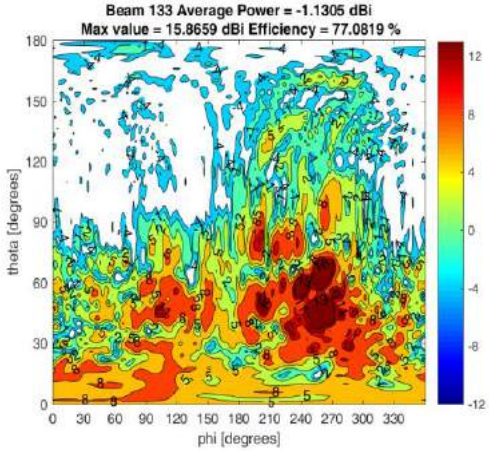
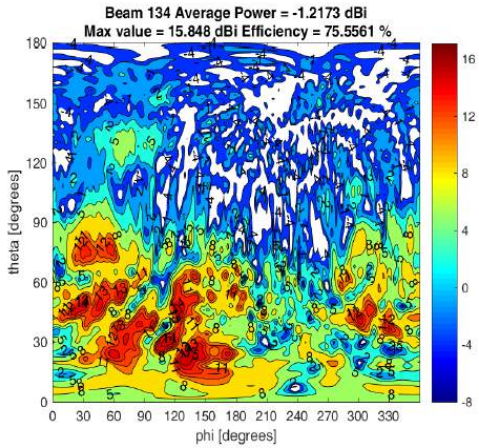
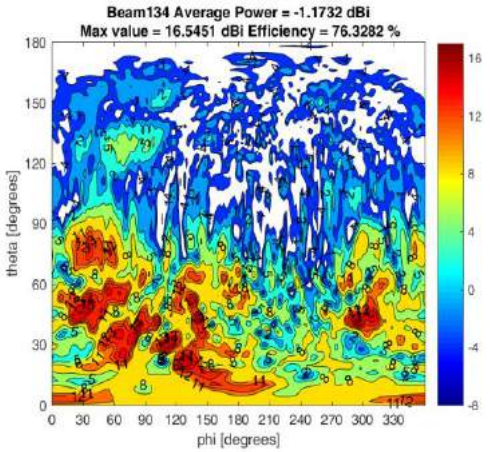
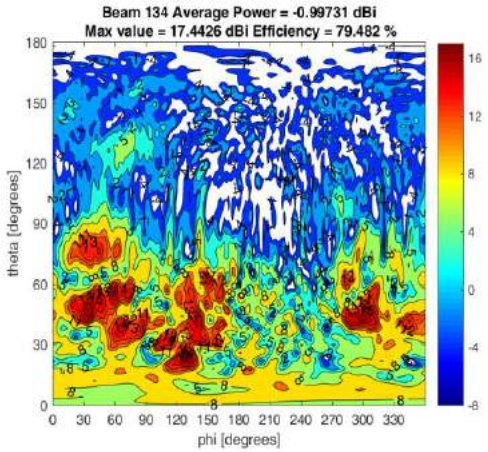
58	 Beam 58 Average Power = -1.5893 dBi Max value = 22.107 dBi Efficiency = 69.3534 % theta [degrees] phi [degrees]	 Beam58 Average Power = -1.3393 dBi Max value = 21.6153 dBi Efficiency = 73.463 % theta [degrees] phi [degrees]	 Beam 58 Average Power = -1.3604 dBi Max value = 22.96 dBi Efficiency = 73.1068 % theta [degrees] phi [degrees]
59	 Beam 59 Average Power = -1.485 dBi Max value = 20.6167 dBi Efficiency = 71.0398 % theta [degrees] phi [degrees]	 Beam59 Average Power = -1.2547 dBi Max value = 18.9027 dBi Efficiency = 74.9083 % theta [degrees] phi [degrees]	 Beam 59 Average Power = -1.4174 dBi Max value = 20.5197 dBi Efficiency = 72.1531 % theta [degrees] phi [degrees]

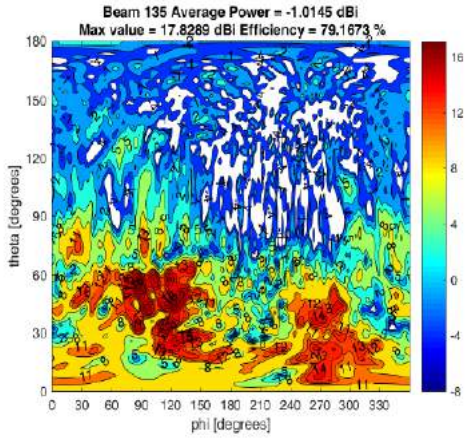
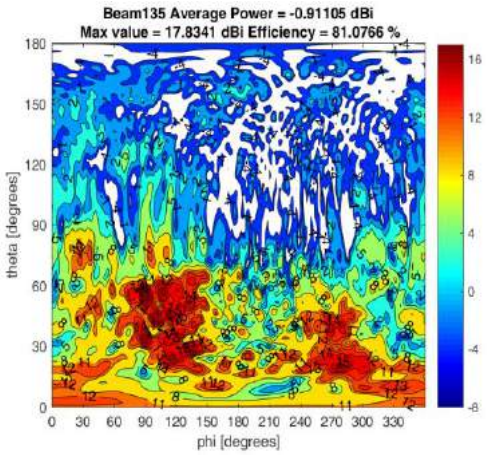
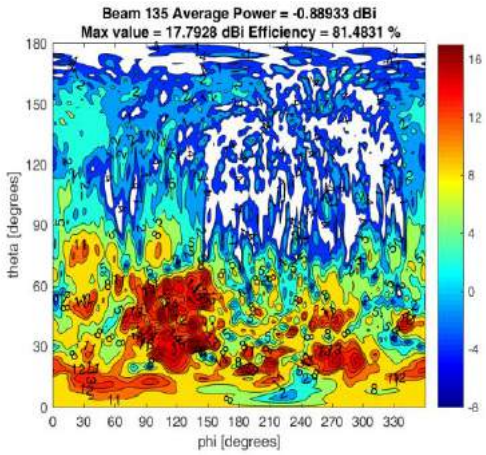
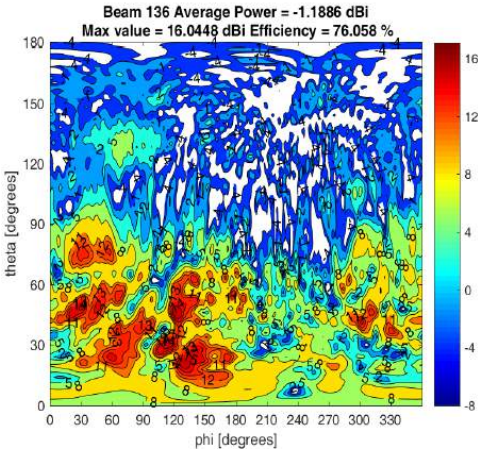
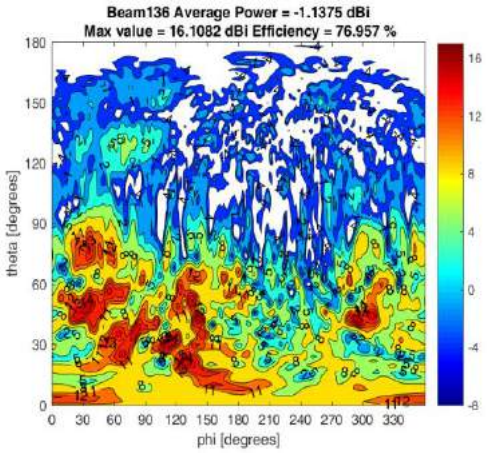
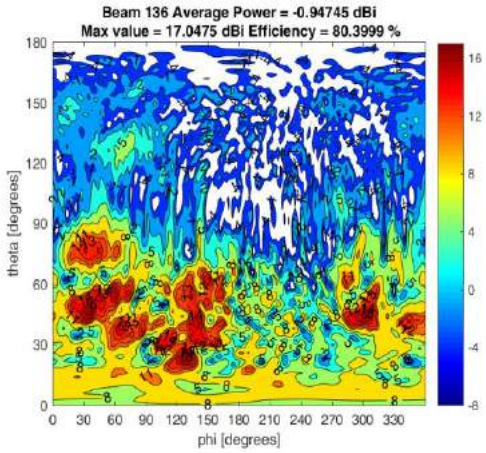
60	 Beam 60 Average Power = -1.5115 dBi Max value = 19.2346 dBi Efficiency = 70.6066 % theta [degrees] phi [degrees]	 Beam60 Average Power = -1.2292 dBi Max value = 19.6717 dBi Efficiency = 75.3499 % theta [degrees] phi [degrees]	 Beam 60 Average Power = -1.7923 dBi Max value = 20.4623 dBi Efficiency = 66.1864 % theta [degrees] phi [degrees]
61	 Beam 61 Average Power = -1.5736 dBi Max value = 18.2266 dBi Efficiency = 69.6046 % theta [degrees] phi [degrees]	 Beam61 Average Power = -1.2525 dBi Max value = 21.1989 dBi Efficiency = 74.947 % theta [degrees] phi [degrees]	 Beam 61 Average Power = -1.8688 dBi Max value = 20.1492 dBi Efficiency = 65.0304 % theta [degrees] phi [degrees]

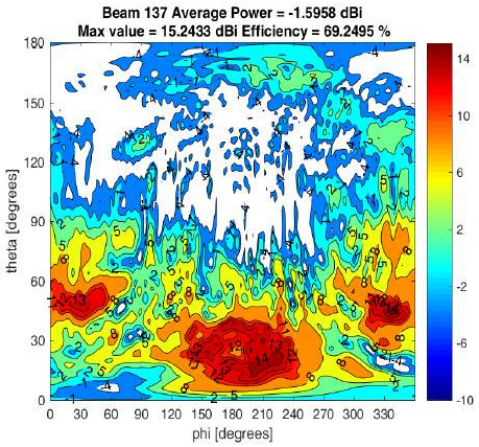
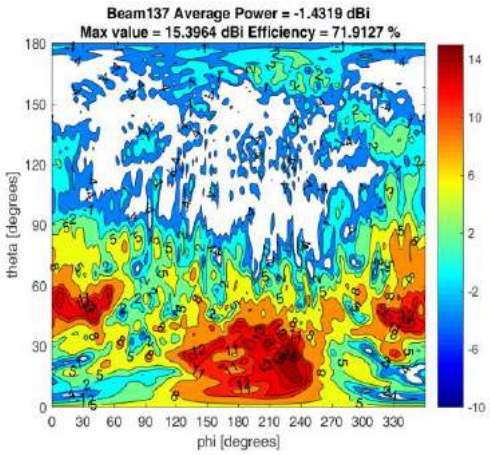
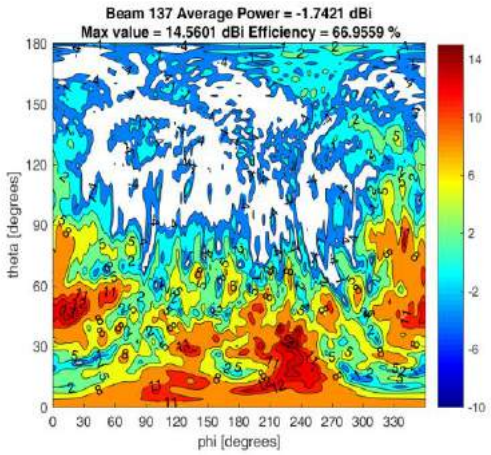
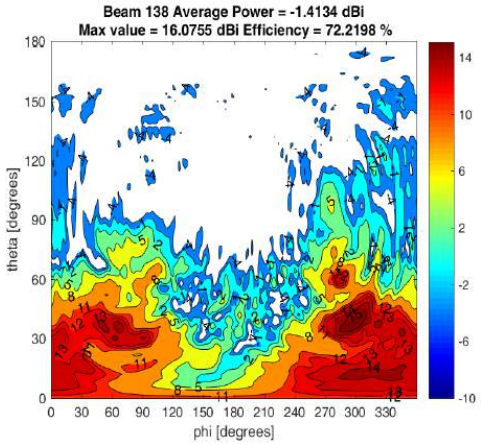
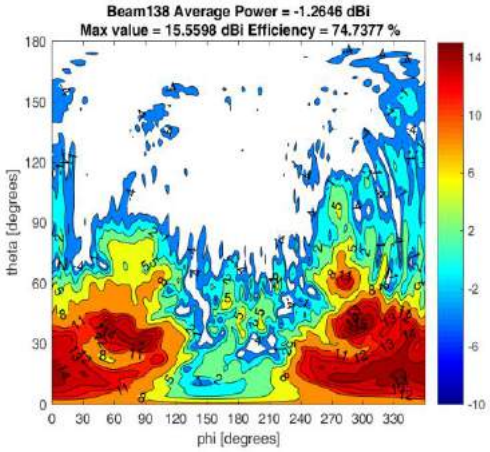
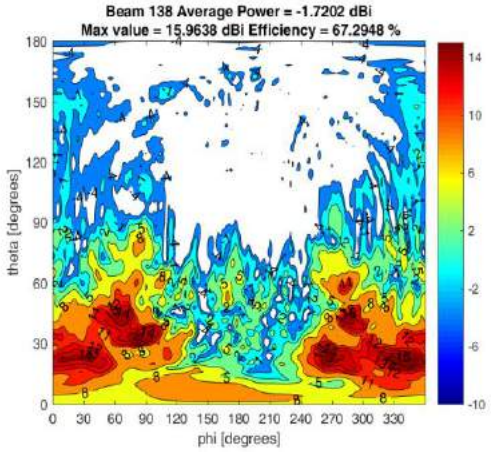
62	 Beam 62 Average Power = -1.4813 dBi Max value = 21.5884 dBi Efficiency = 71.1008 % theta [degrees] phi [degrees]	 Beam62 Average Power = -1.2711 dBi Max value = 18.585 dBi Efficiency = 74.6266 % theta [degrees] phi [degrees]	 Beam 62 Average Power = -1.4496 dBi Max value = 18.4401 dBi Efficiency = 71.6214 % theta [degrees] phi [degrees]
128	 Beam 128 Average Power = -1.028 dBi Max value = 16.1148 dBi Efficiency = 78.9218 % theta [degrees] phi [degrees]	 Beam128 Average Power = -0.91792 dBi Max value = 15.9333 dBi Efficiency = 80.9484 % theta [degrees] phi [degrees]	 Beam 128 Average Power = -1.0468 dBi Max value = 15.6979 dBi Efficiency = 78.5812 % theta [degrees] phi [degrees]

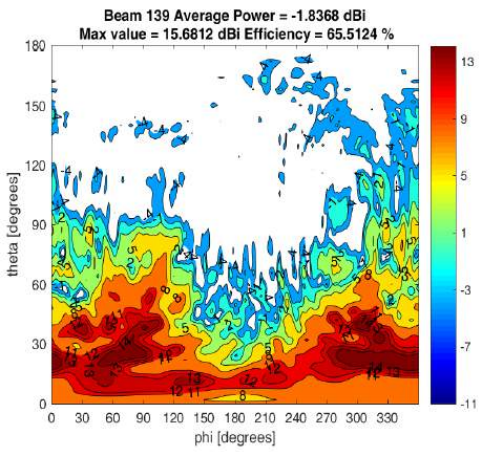
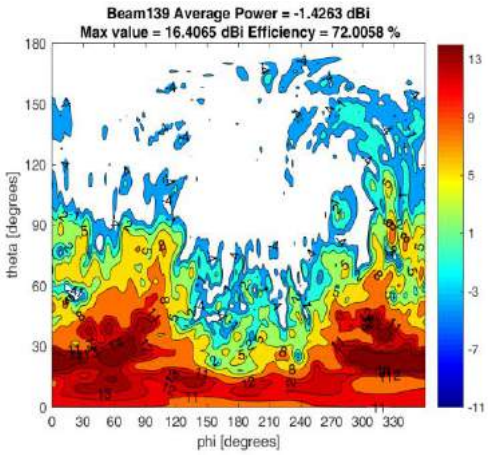
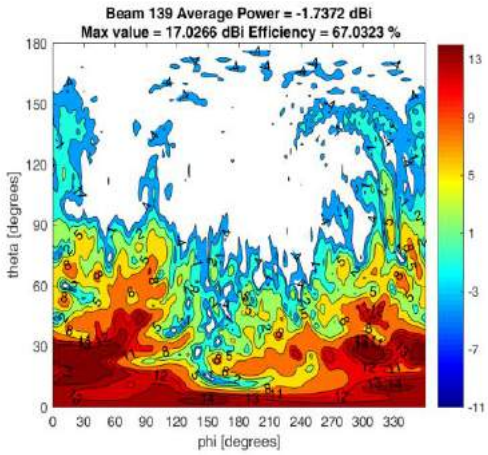
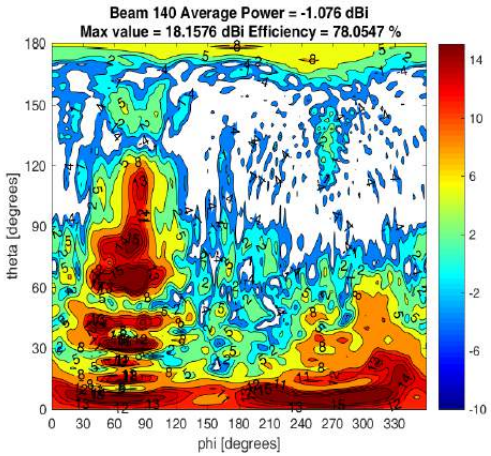
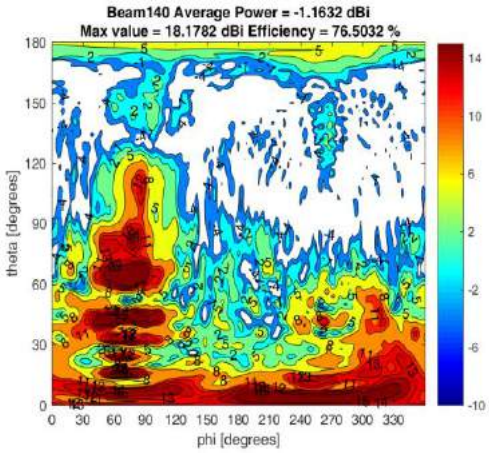
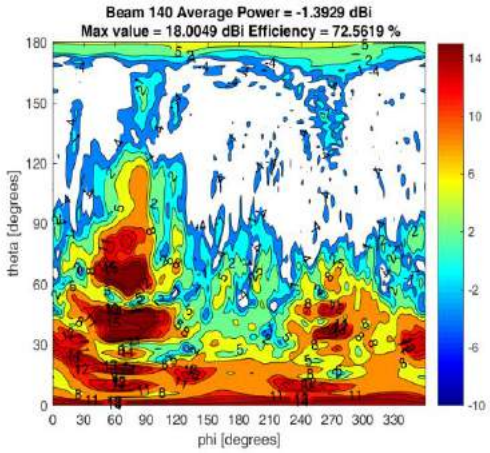
129	 Beam 129 Average Power = -1.7582 dBi Max value = 13.6201 dBi Efficiency = 66.7088 % theta [degrees] phi [degrees]	 Beam129 Average Power = -1.3432 dBi Max value = 13.4596 dBi Efficiency = 73.3977 % theta [degrees] phi [degrees]	 Beam 129 Average Power = -1.5695 dBi Max value = 13.0818 dBi Efficiency = 69.6707 % theta [degrees] phi [degrees]
130	 Beam 130 Average Power = -0.98278 dBi Max value = 14.5587 dBi Efficiency = 79.7484 % theta [degrees] phi [degrees]	 Beam130 Average Power = -1.1162 dBi Max value = 14.7703 dBi Efficiency = 77.3354 % theta [degrees] phi [degrees]	 Beam 130 Average Power = -1.1909 dBi Max value = 15.328 dBi Efficiency = 76.0162 % theta [degrees] phi [degrees]

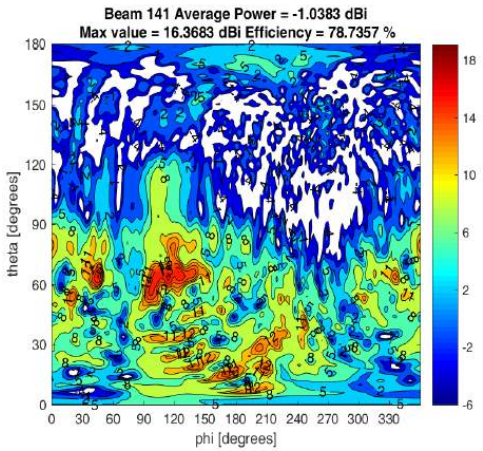
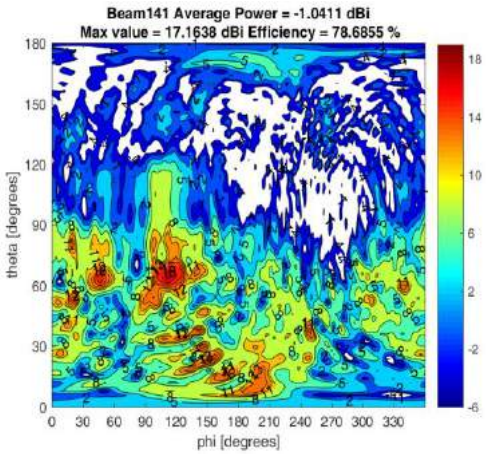
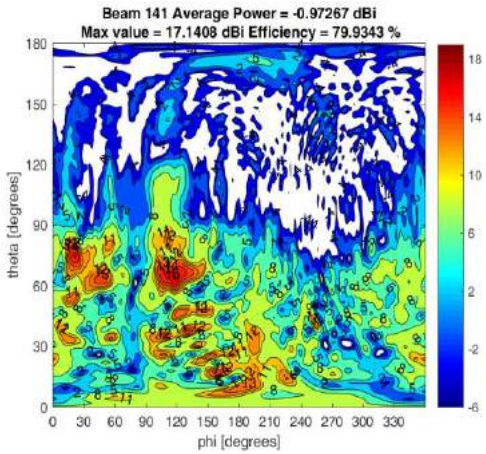
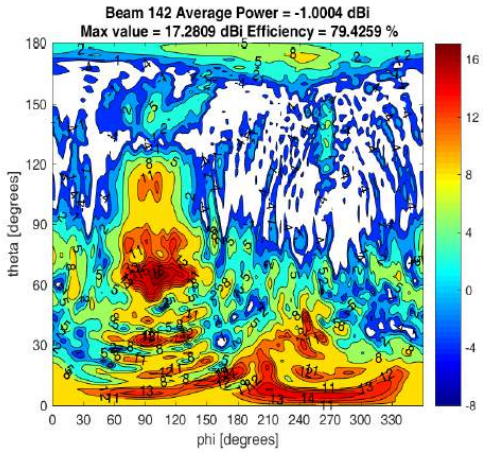
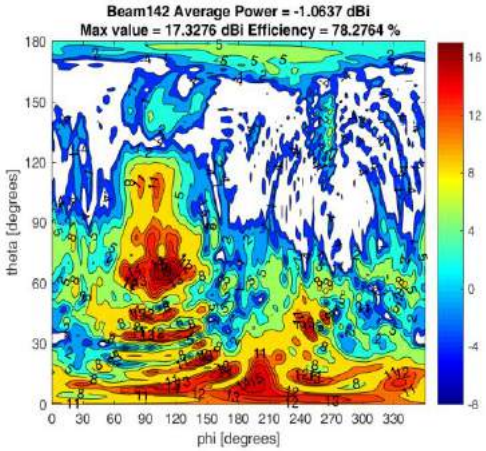
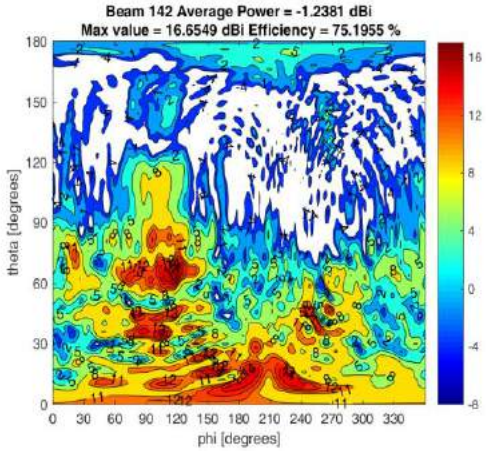
131	 Beam 131 Average Power = -1.719 dBi Max value = 12.3121 dBi Efficiency = 67.3125 % theta [degrees] phi [degrees]	 Beam131 Average Power = -1.4771 dBi Max value = 12.6949 dBi Efficiency = 71.1688 % theta [degrees] phi [degrees]	 Beam 131 Average Power = -1.6524 dBi Max value = 11.9865 dBi Efficiency = 68.3526 % theta [degrees] phi [degrees]
132	 Beam 132 Average Power = -1.4395 dBi Max value = 12.6569 dBi Efficiency = 71.7885 % theta [degrees] phi [degrees]	 Beam132 Average Power = -1.2254 dBi Max value = 12.2544 dBi Efficiency = 75.4162 % theta [degrees] phi [degrees]	 Beam 132 Average Power = -1.6077 dBi Max value = 12.6242 dBi Efficiency = 69.0612 % theta [degrees] phi [degrees]

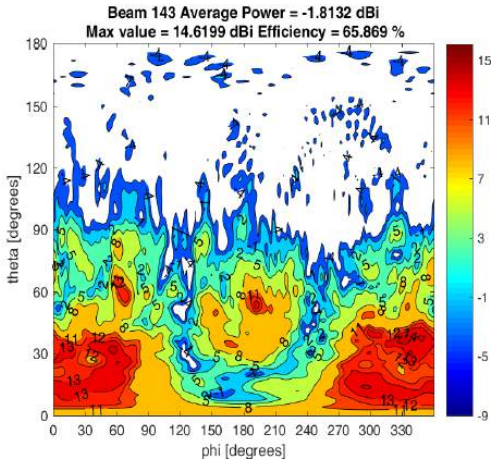
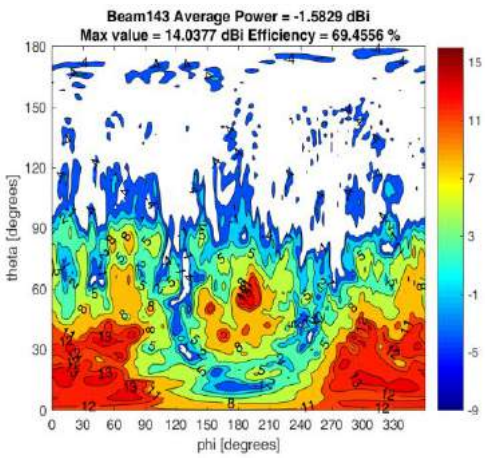
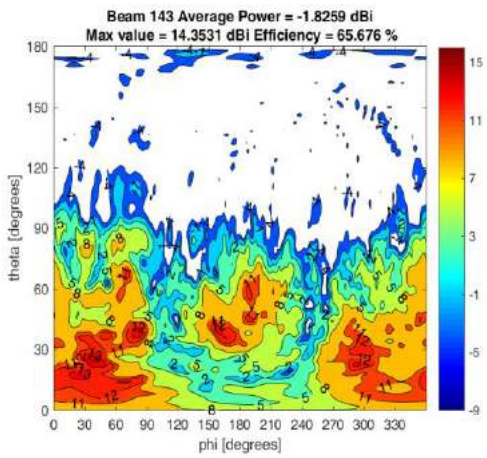
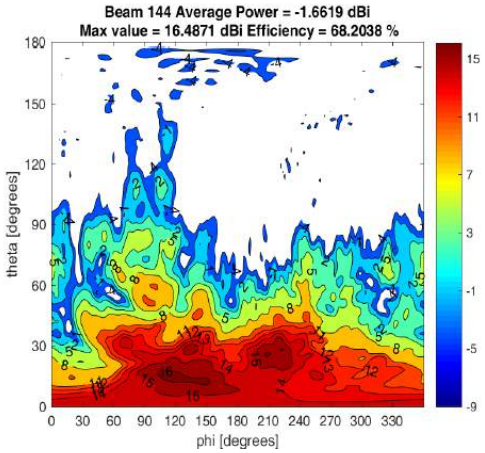
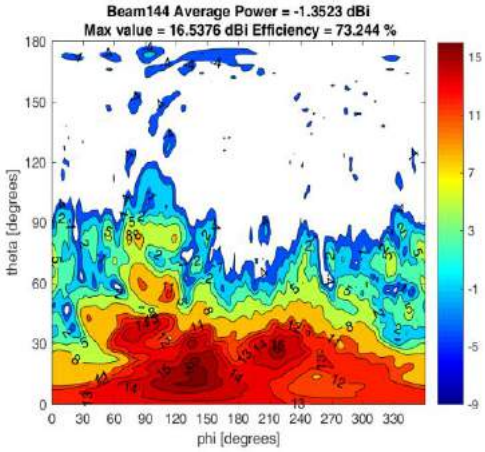
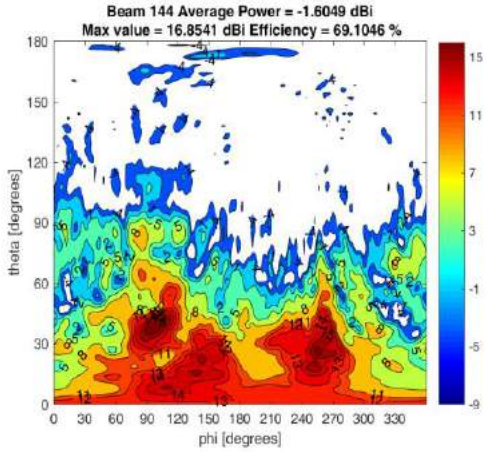
133	 Beam 133 Average Power = -0.97373 dBi Max value = 16.855 dBi Efficiency = 79.9148 % theta [degrees] phi [degrees]	 Beam133 Average Power = -1.0571 dBi Max value = 16.1961 dBi Efficiency = 78.3949 % theta [degrees] phi [degrees]	 Beam 133 Average Power = -1.1305 dBi Max value = 15.8659 dBi Efficiency = 77.0819 % theta [degrees] phi [degrees]
134	 Beam 134 Average Power = -1.2173 dBi Max value = 15.848 dBi Efficiency = 75.5561 % theta [degrees] phi [degrees]	 Beam134 Average Power = -1.1732 dBi Max value = 16.5451 dBi Efficiency = 76.3282 % theta [degrees] phi [degrees]	 Beam 134 Average Power = -0.99731 dBi Max value = 17.4426 dBi Efficiency = 79.482 % theta [degrees] phi [degrees]

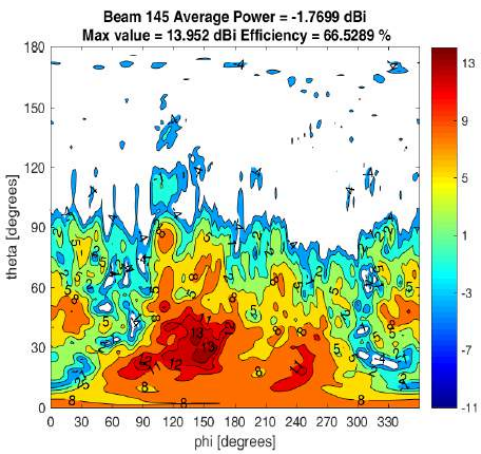
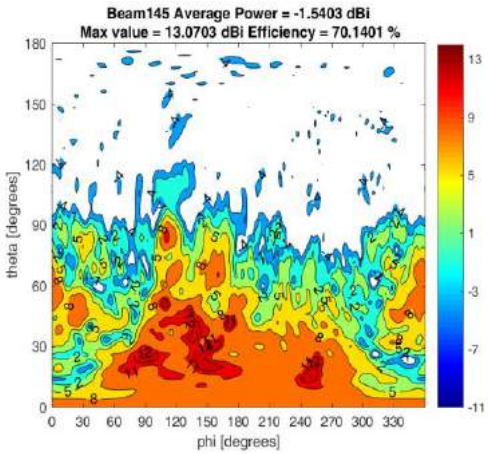
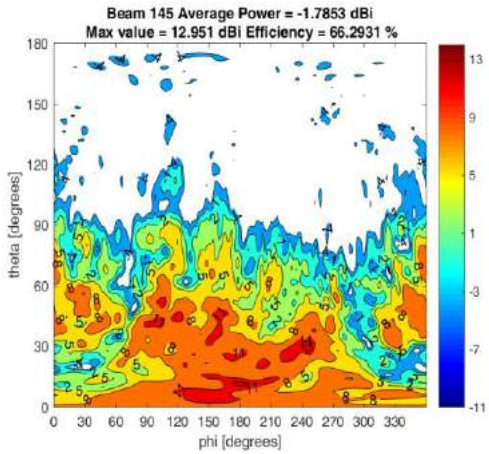
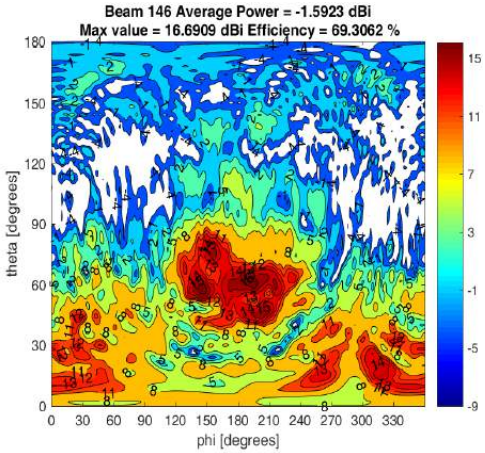
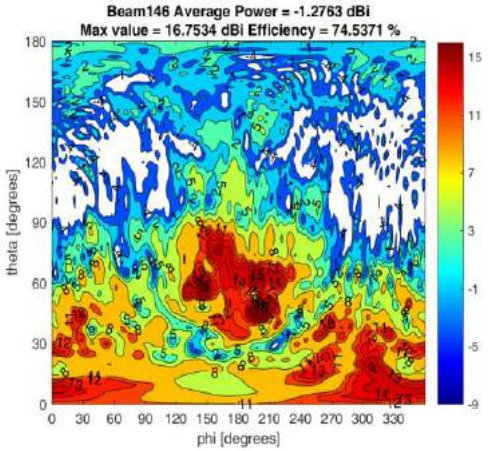
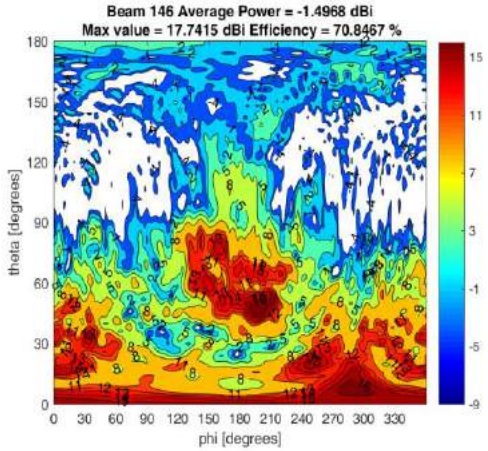
135	 Beam 135 Average Power = -1.0145 dBi Max value = 17.8289 dBi Efficiency = 79.1673 % theta [degrees] phi [degrees]	 Beam135 Average Power = -0.91105 dBi Max value = 17.8341 dBi Efficiency = 81.0766 % theta [degrees] phi [degrees]	 Beam 135 Average Power = -0.88933 dBi Max value = 17.7928 dBi Efficiency = 81.4831 % theta [degrees] phi [degrees]
136	 Beam 136 Average Power = -1.1886 dBi Max value = 16.0448 dBi Efficiency = 76.058 % theta [degrees] phi [degrees]	 Beam136 Average Power = -1.1375 dBi Max value = 16.1082 dBi Efficiency = 76.957 % theta [degrees] phi [degrees]	 Beam 136 Average Power = -0.94745 dBi Max value = 17.0475 dBi Efficiency = 80.3999 % theta [degrees] phi [degrees]

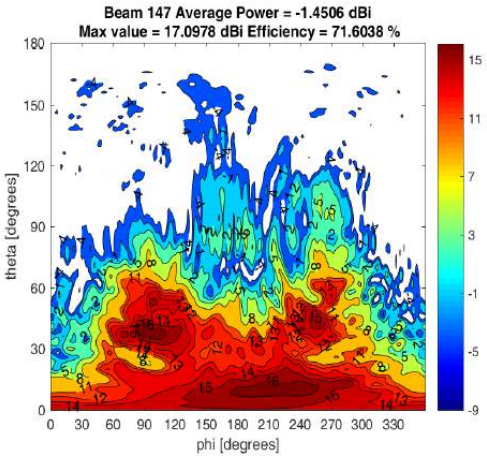
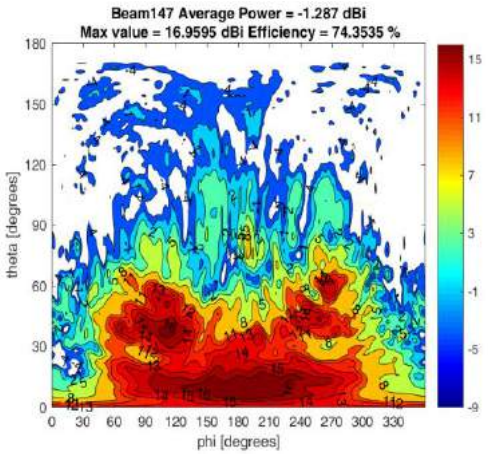
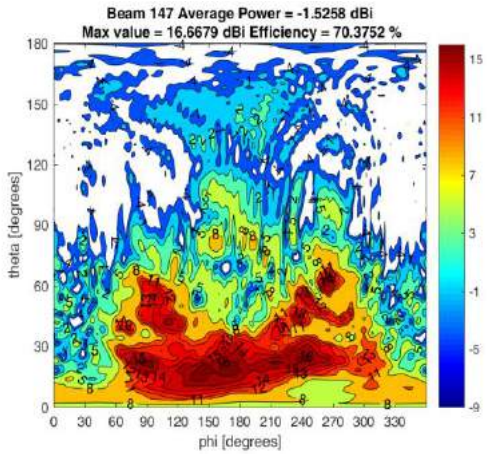
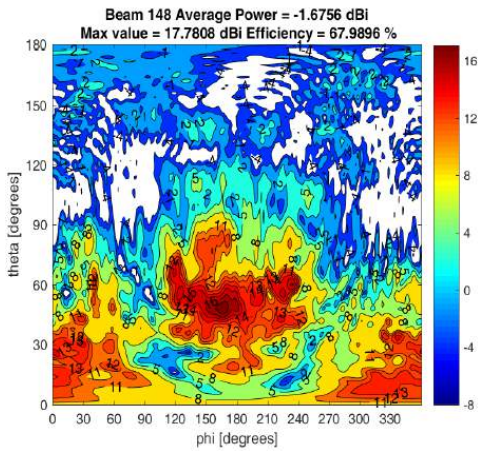
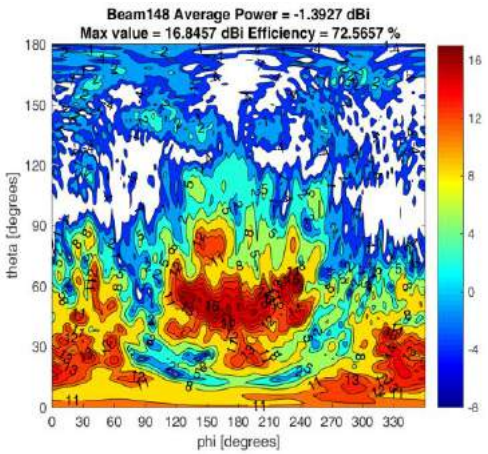
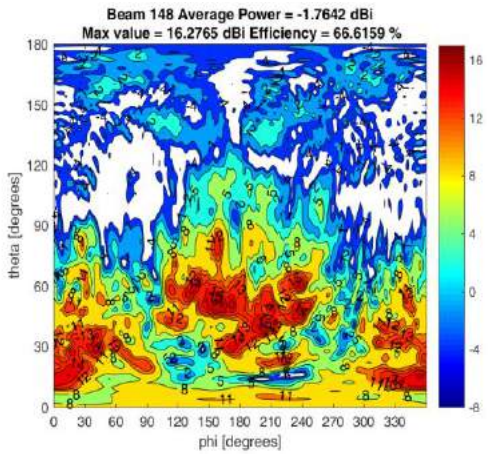
137	 Beam 137 Average Power = -1.5958 dBi Max value = 15.2433 dBi Efficiency = 69.2495 % theta [degrees] phi [degrees]	 Beam137 Average Power = -1.4319 dBi Max value = 15.3964 dBi Efficiency = 71.9127 % theta [degrees] phi [degrees]	 Beam 137 Average Power = -1.7421 dBi Max value = 14.5601 dBi Efficiency = 66.9559 % theta [degrees] phi [degrees]
138	 Beam 138 Average Power = -1.4134 dBi Max value = 16.0755 dBi Efficiency = 72.2198 % theta [degrees] phi [degrees]	 Beam138 Average Power = -1.2646 dBi Max value = 15.5598 dBi Efficiency = 74.7377 % theta [degrees] phi [degrees]	 Beam 138 Average Power = -1.7202 dBi Max value = 15.9638 dBi Efficiency = 67.2948 % theta [degrees] phi [degrees]

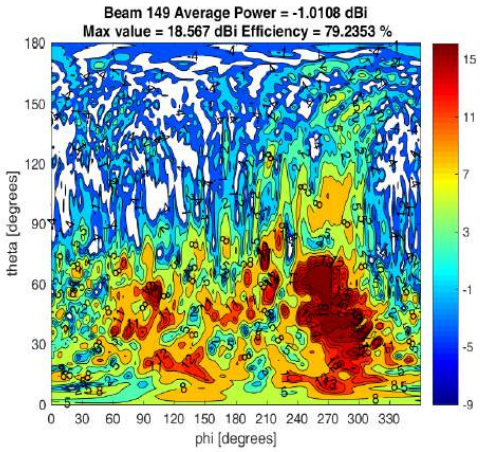
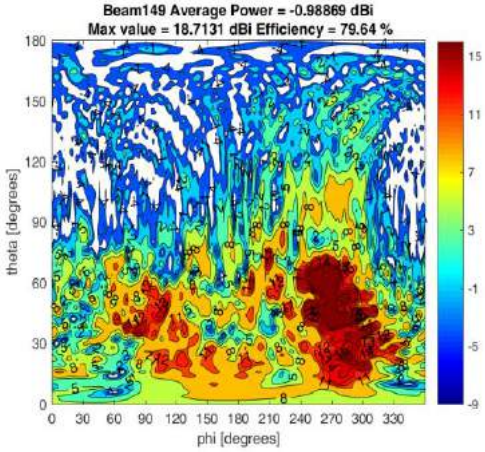
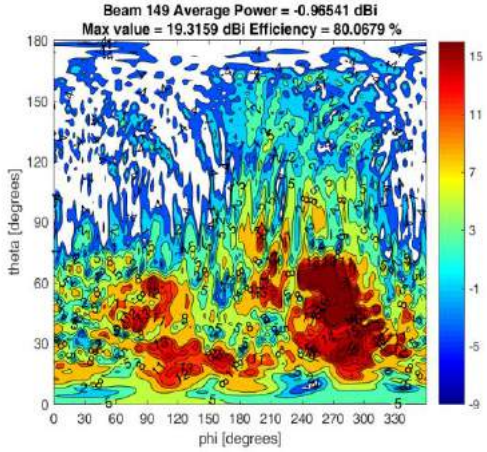
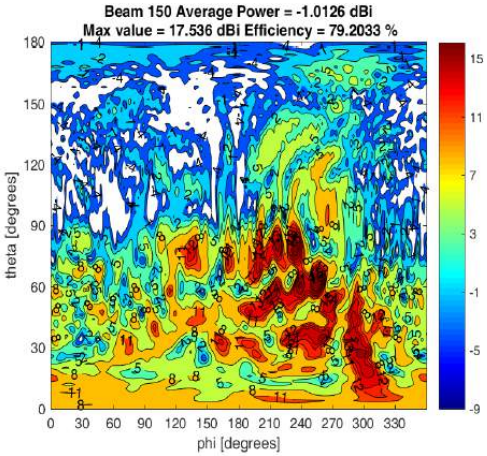
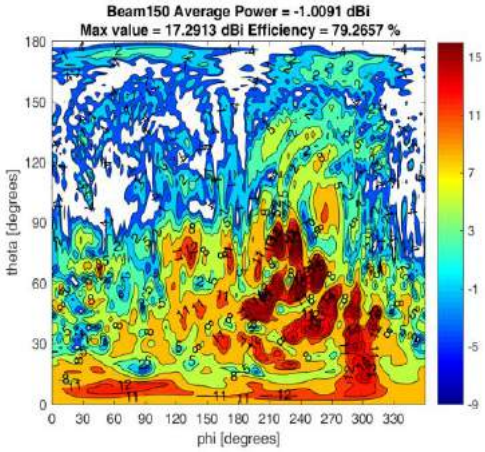
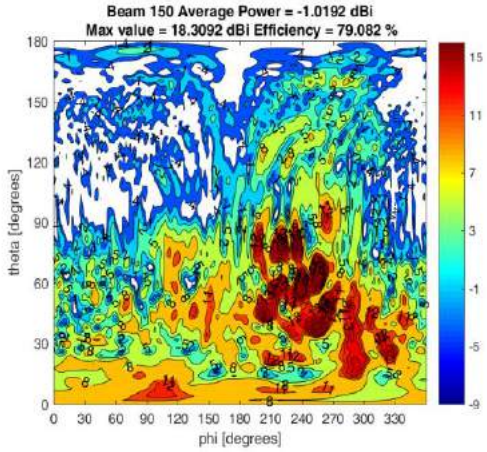
139	 Beam 139 Average Power = -1.8368 dBi Max value = 15.6812 dBi Efficiency = 65.5124 % theta [degrees] phi [degrees]	 Beam139 Average Power = -1.4263 dBi Max value = 16.4065 dBi Efficiency = 72.0058 % theta [degrees] phi [degrees]	 Beam 139 Average Power = -1.7372 dBi Max value = 17.0266 dBi Efficiency = 67.0323 % theta [degrees] phi [degrees]
140	 Beam 140 Average Power = -1.076 dBi Max value = 18.1576 dBi Efficiency = 78.0547 % theta [degrees] phi [degrees]	 Beam140 Average Power = -1.1632 dBi Max value = 18.1782 dBi Efficiency = 76.5032 % theta [degrees] phi [degrees]	 Beam 140 Average Power = -1.3929 dBi Max value = 18.0049 dBi Efficiency = 72.5619 % theta [degrees] phi [degrees]

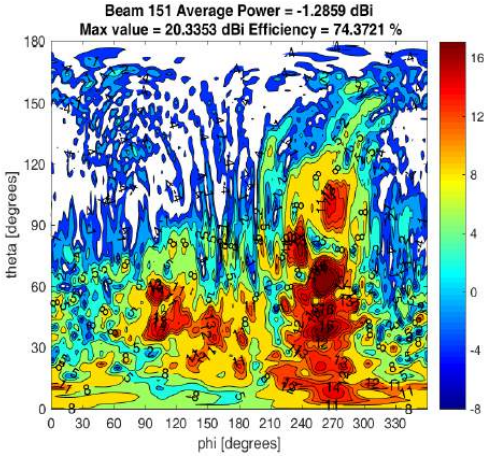
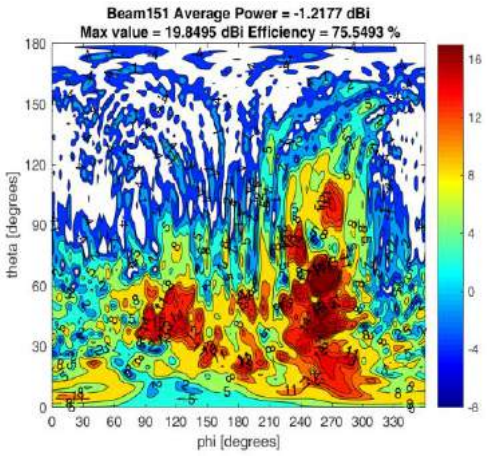
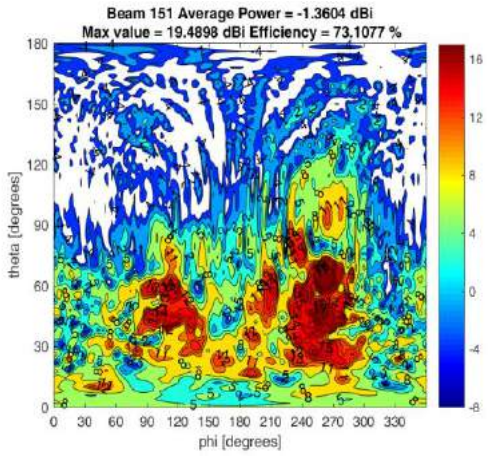
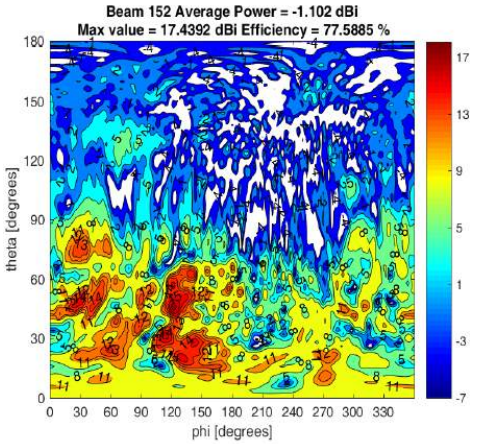
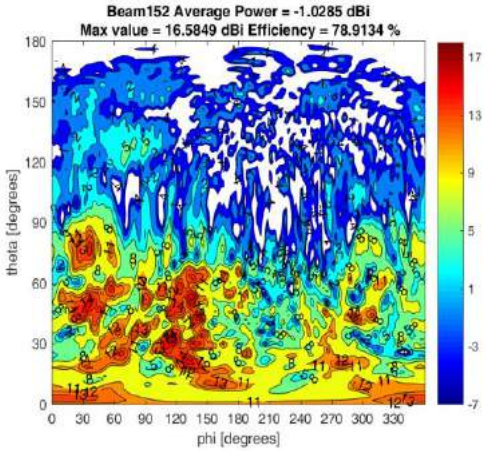
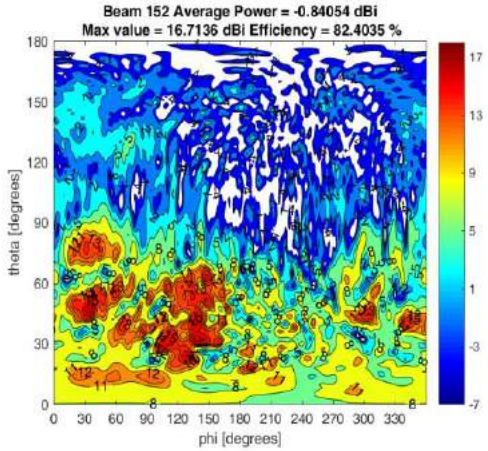
141	 Beam 141 Average Power = -1.0383 dBi Max value = 16.3683 dBi Efficiency = 78.7357 % theta [degrees] phi [degrees]	 Beam141 Average Power = -1.0411 dBi Max value = 17.1638 dBi Efficiency = 78.6855 % theta [degrees] phi [degrees]	 Beam 141 Average Power = -0.97267 dBi Max value = 17.1408 dBi Efficiency = 79.9343 % theta [degrees] phi [degrees]
142	 Beam 142 Average Power = -1.0004 dBi Max value = 17.2809 dBi Efficiency = 79.4259 % theta [degrees] phi [degrees]	 Beam142 Average Power = -1.0637 dBi Max value = 17.3276 dBi Efficiency = 78.2764 % theta [degrees] phi [degrees]	 Beam 142 Average Power = -1.2381 dBi Max value = 16.6549 dBi Efficiency = 75.1955 % theta [degrees] phi [degrees]

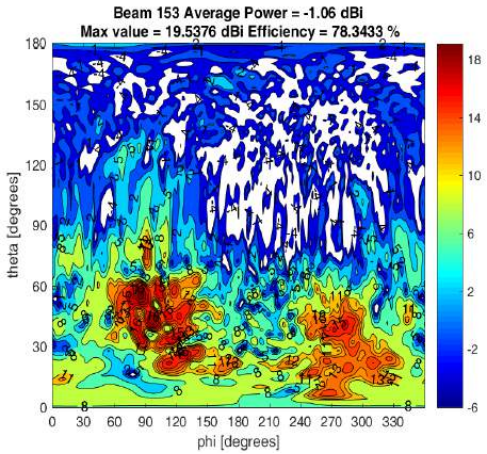
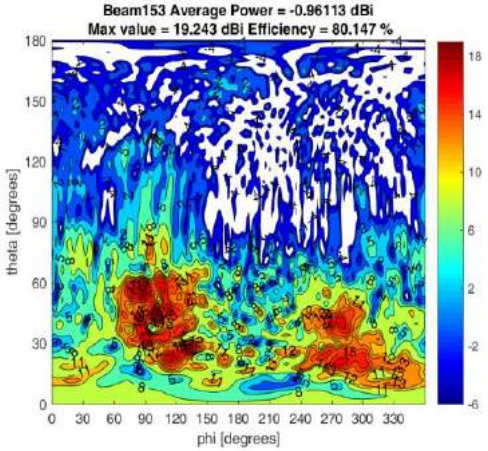
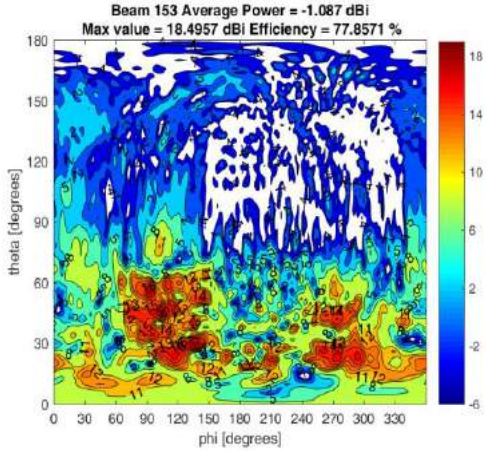
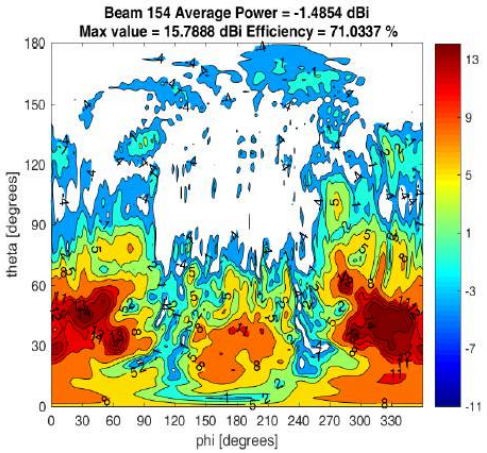
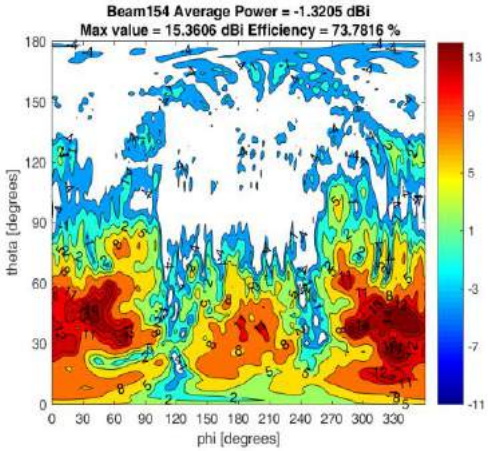
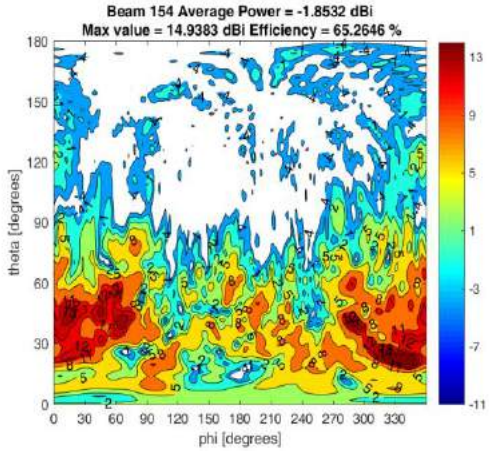
143	 Beam 143 Average Power = -1.8132 dBi Max value = 14.6199 dBi Efficiency = 65.869 % theta [degrees] phi [degrees]	 Beam143 Average Power = -1.5829 dBi Max value = 14.0377 dBi Efficiency = 69.4556 % theta [degrees] phi [degrees]	 Beam 143 Average Power = -1.8259 dBi Max value = 14.3531 dBi Efficiency = 65.676 % theta [degrees] phi [degrees]
144	 Beam 144 Average Power = -1.6619 dBi Max value = 16.4871 dBi Efficiency = 68.2038 % theta [degrees] phi [degrees]	 Beam144 Average Power = -1.3523 dBi Max value = 16.5376 dBi Efficiency = 73.244 % theta [degrees] phi [degrees]	 Beam 144 Average Power = -1.6049 dBi Max value = 16.8541 dBi Efficiency = 69.1046 % theta [degrees] phi [degrees]

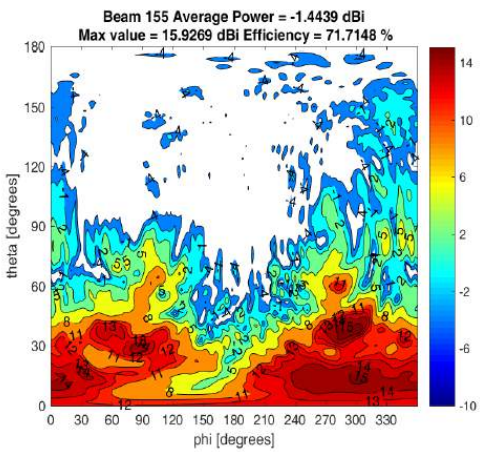
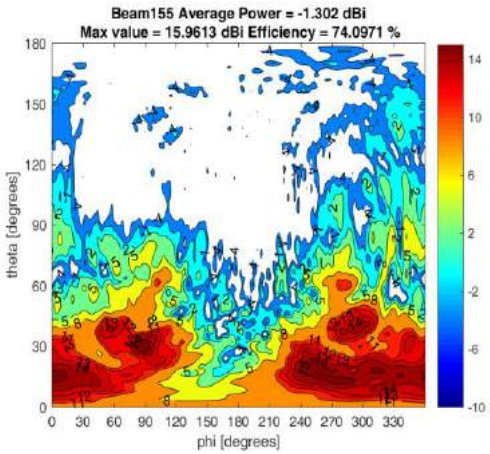
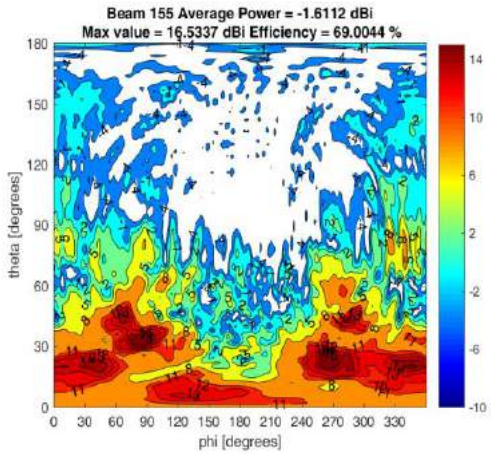
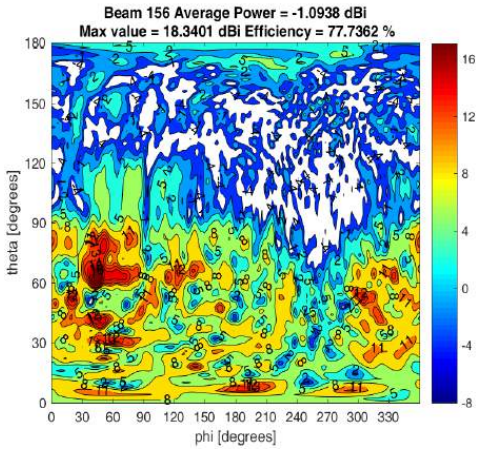
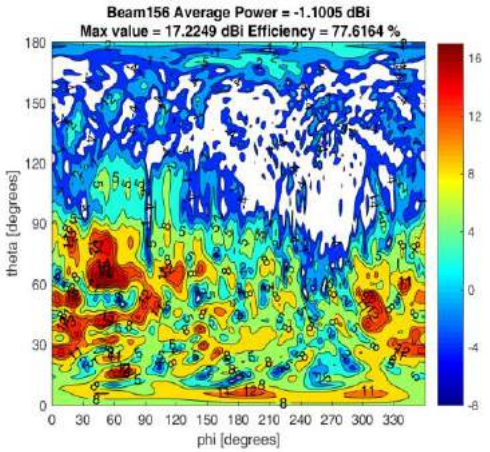
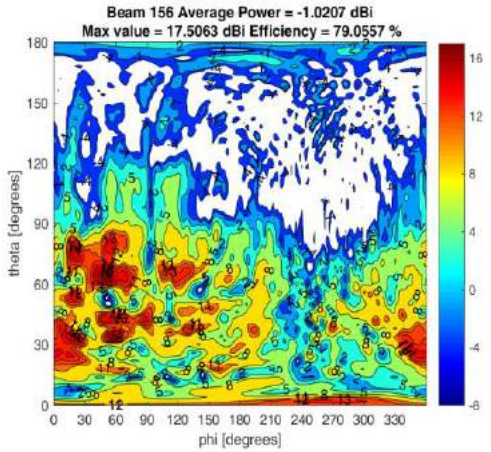
145	 Beam 145 Average Power = -1.7699 dBi Max value = 13.952 dBi Efficiency = 66.5289 % theta [degrees] phi [degrees]	 Beam145 Average Power = -1.5403 dBi Max value = 13.0703 dBi Efficiency = 70.1401 % theta [degrees] phi [degrees]	 Beam 145 Average Power = -1.7853 dBi Max value = 12.951 dBi Efficiency = 66.2931 % theta [degrees] phi [degrees]
146	 Beam 146 Average Power = -1.5923 dBi Max value = 16.6909 dBi Efficiency = 69.3062 % theta [degrees] phi [degrees]	 Beam146 Average Power = -1.2763 dBi Max value = 16.7534 dBi Efficiency = 74.5371 % theta [degrees] phi [degrees]	 Beam 146 Average Power = -1.4968 dBi Max value = 17.7415 dBi Efficiency = 70.8467 % theta [degrees] phi [degrees]

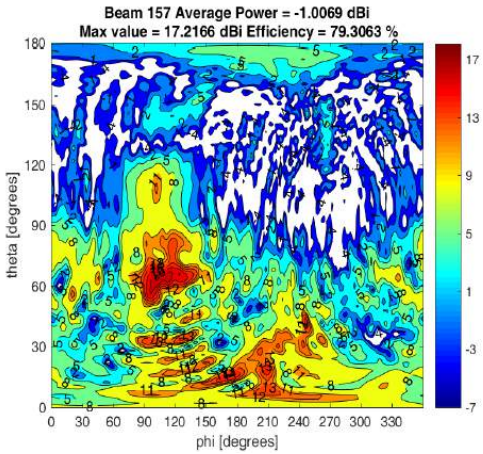
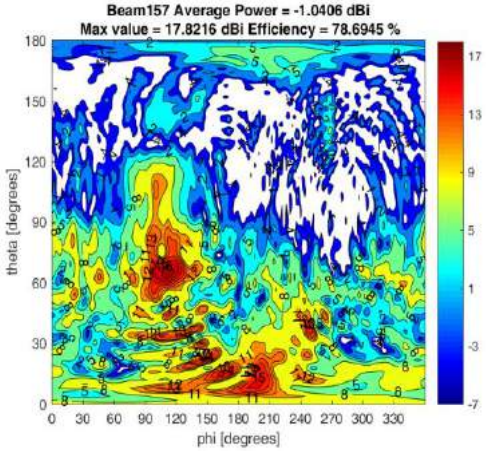
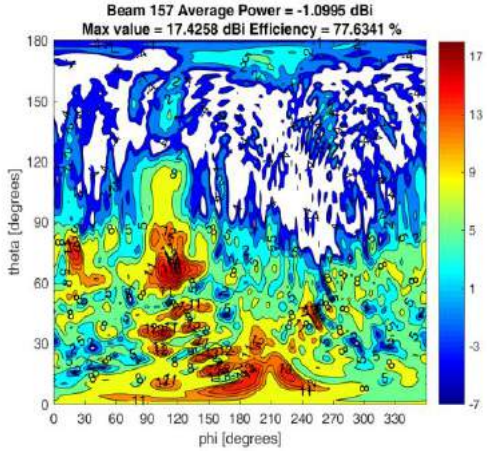
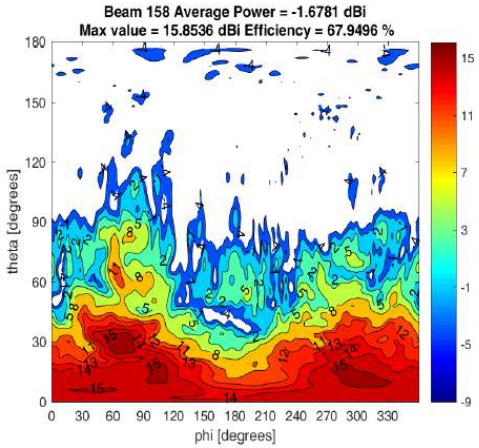
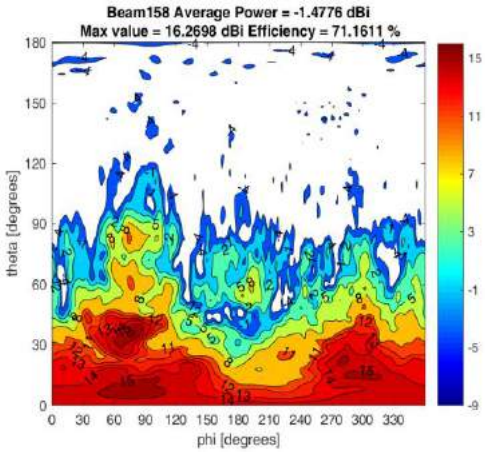
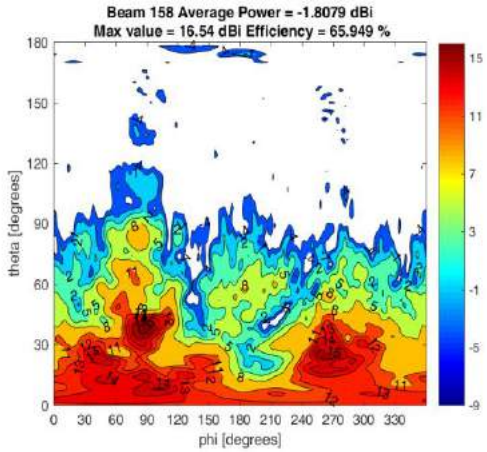
147	 Beam 147 Average Power = -1.4506 dBi Max value = 17.0978 dBi Efficiency = 71.6038 % theta [degrees] phi [degrees]	 Beam147 Average Power = -1.287 dBi Max value = 16.9595 dBi Efficiency = 74.3535 % theta [degrees] phi [degrees]	 Beam 147 Average Power = -1.5258 dBi Max value = 16.6679 dBi Efficiency = 70.3752 % theta [degrees] phi [degrees]
148	 Beam 148 Average Power = -1.6756 dBi Max value = 17.7808 dBi Efficiency = 67.9896 % theta [degrees] phi [degrees]	 Beam148 Average Power = -1.3927 dBi Max value = 16.8457 dBi Efficiency = 72.5657 % theta [degrees] phi [degrees]	 Beam 148 Average Power = -1.7642 dBi Max value = 16.2765 dBi Efficiency = 66.6159 % theta [degrees] phi [degrees]

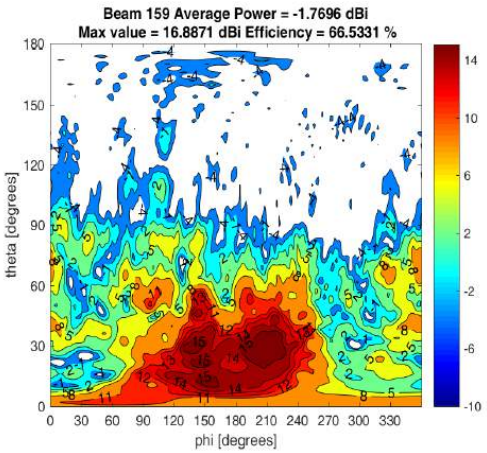
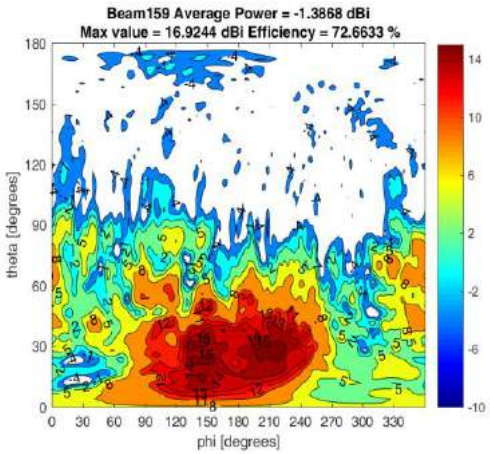
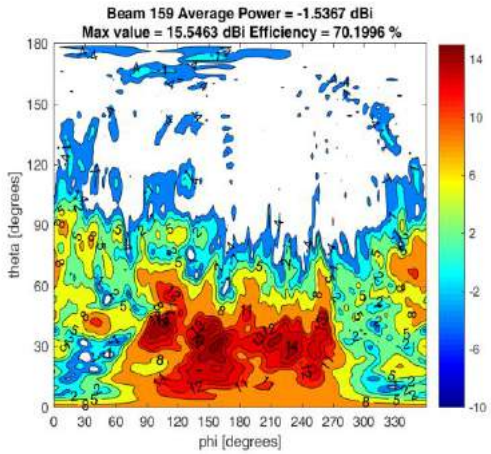
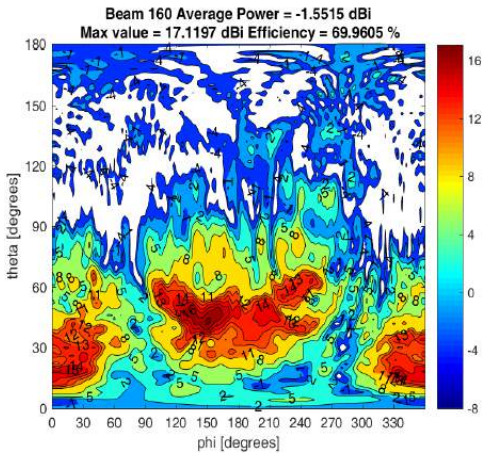
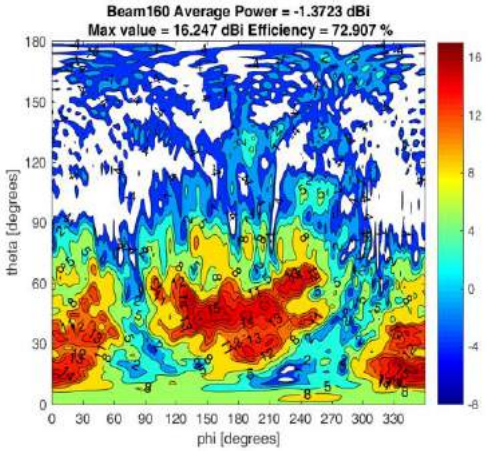
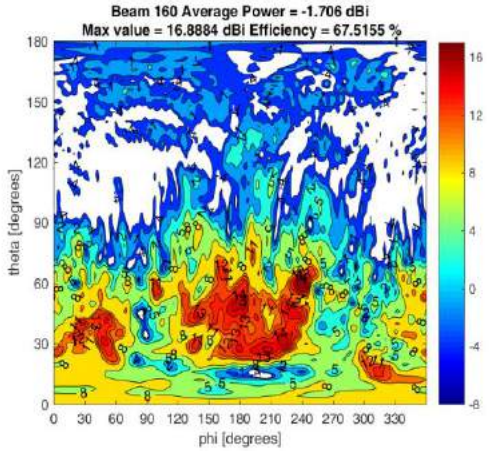
149	 Beam 149 Average Power = -1.0108 dBi Max value = 18.567 dBi Efficiency = 79.2353 % theta [degrees] phi [degrees]	 Beam149 Average Power = -0.98869 dBi Max value = 18.7131 dBi Efficiency = 79.64 % theta [degrees] phi [degrees]	 Beam 149 Average Power = -0.96541 dBi Max value = 19.3159 dBi Efficiency = 80.0679 % theta [degrees] phi [degrees]
150	 Beam 150 Average Power = -1.0126 dBi Max value = 17.536 dBi Efficiency = 79.2033 % theta [degrees] phi [degrees]	 Beam150 Average Power = -1.0091 dBi Max value = 17.2913 dBi Efficiency = 79.2657 % theta [degrees] phi [degrees]	 Beam 150 Average Power = -1.0192 dBi Max value = 18.3092 dBi Efficiency = 79.082 % theta [degrees] phi [degrees]

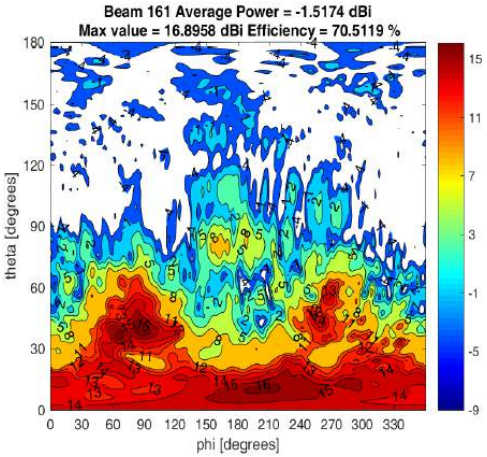
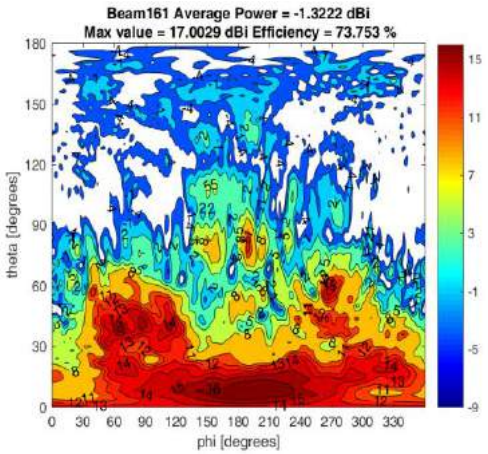
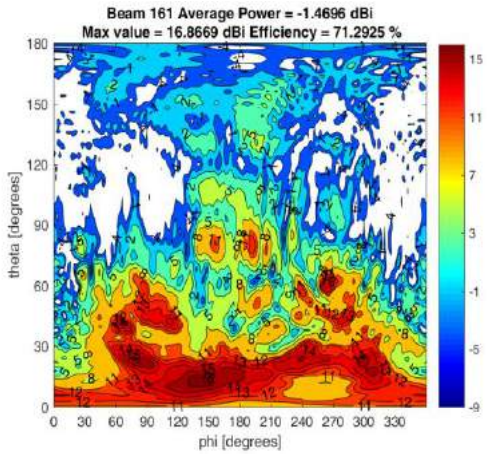
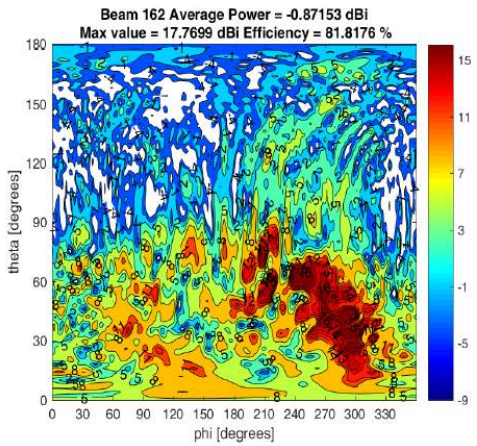
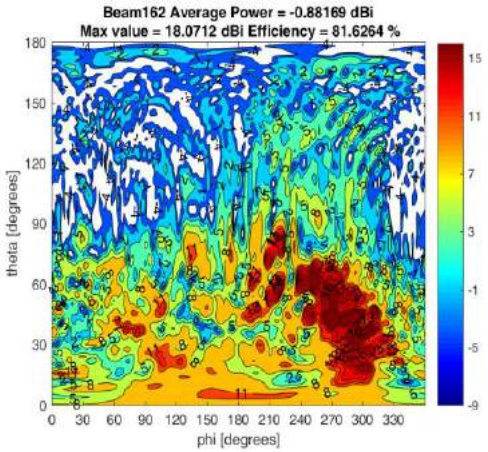
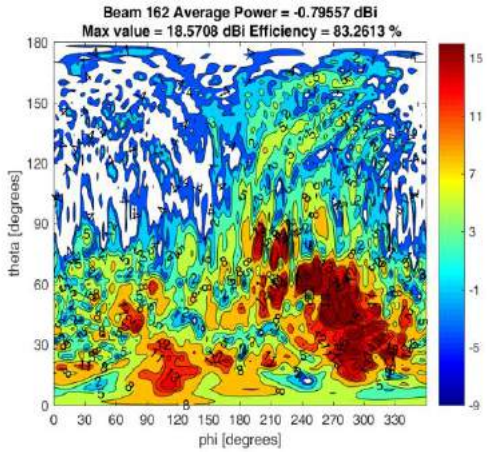
151	 Beam 151 Average Power = -1.2859 dBi Max value = 20.3353 dBi Efficiency = 74.3721 % theta [degrees] phi [degrees]	 Beam151 Average Power = -1.2177 dBi Max value = 19.8495 dBi Efficiency = 75.5493 % theta [degrees] phi [degrees]	 Beam 151 Average Power = -1.3604 dBi Max value = 19.4898 dBi Efficiency = 73.1077 % theta [degrees] phi [degrees]
152	 Beam 152 Average Power = -1.102 dBi Max value = 17.4392 dBi Efficiency = 77.5885 % theta [degrees] phi [degrees]	 Beam152 Average Power = -1.0285 dBi Max value = 16.5849 dBi Efficiency = 78.9134 % theta [degrees] phi [degrees]	 Beam 152 Average Power = -0.84054 dBi Max value = 16.7136 dBi Efficiency = 82.4035 % theta [degrees] phi [degrees]

153	 Beam 153 Average Power = -1.06 dBi Max value = 19.5376 dBi Efficiency = 78.3433 % theta [degrees] phi [degrees]	 Beam153 Average Power = -0.96113 dBi Max value = 19.243 dBi Efficiency = 80.147 % theta [degrees] phi [degrees]	 Beam 153 Average Power = -1.087 dBi Max value = 18.4957 dBi Efficiency = 77.8571 % theta [degrees] phi [degrees]
154	 Beam 154 Average Power = -1.4854 dBi Max value = 15.7888 dBi Efficiency = 71.0337 % theta [degrees] phi [degrees]	 Beam154 Average Power = -1.3205 dBi Max value = 15.3606 dBi Efficiency = 73.7816 % theta [degrees] phi [degrees]	 Beam 154 Average Power = -1.8532 dBi Max value = 14.9383 dBi Efficiency = 65.2646 % theta [degrees] phi [degrees]

155	 Beam 155 Average Power = -1.4439 dBi Max value = 15.9269 dBi Efficiency = 71.7148 % theta [degrees] phi [degrees]	 Beam155 Average Power = -1.302 dBi Max value = 15.9613 dBi Efficiency = 74.0971 % theta [degrees] phi [degrees]	 Beam 155 Average Power = -1.6112 dBi Max value = 16.5337 dBi Efficiency = 69.0044 % theta [degrees] phi [degrees]
156	 Beam 156 Average Power = -1.0938 dBi Max value = 18.3401 dBi Efficiency = 77.7362 % theta [degrees] phi [degrees]	 Beam156 Average Power = -1.1005 dBi Max value = 17.2249 dBi Efficiency = 77.6164 % theta [degrees] phi [degrees]	 Beam 156 Average Power = -1.0207 dBi Max value = 17.5063 dBi Efficiency = 79.0557 % theta [degrees] phi [degrees]

157	 Beam 157 Average Power = -1.0069 dBi Max value = 17.2166 dBi Efficiency = 79.3063 % theta [degrees] phi [degrees]	 Beam157 Average Power = -1.0406 dBi Max value = 17.8216 dBi Efficiency = 78.6945 % theta [degrees] phi [degrees]	 Beam 157 Average Power = -1.0995 dBi Max value = 17.4258 dBi Efficiency = 77.6341 % theta [degrees] phi [degrees]
158	 Beam 158 Average Power = -1.6781 dBi Max value = 15.8536 dBi Efficiency = 67.9496 % theta [degrees] phi [degrees]	 Beam158 Average Power = -1.4776 dBi Max value = 16.2698 dBi Efficiency = 71.1611 % theta [degrees] phi [degrees]	 Beam 158 Average Power = -1.8079 dBi Max value = 16.54 dBi Efficiency = 65.949 % theta [degrees] phi [degrees]

159	 Beam 159 Average Power = -1.7696 dBi Max value = 16.8871 dBi Efficiency = 66.5331 % theta [degrees] phi [degrees]	 Beam159 Average Power = -1.3868 dBi Max value = 16.9244 dBi Efficiency = 72.6633 % theta [degrees] phi [degrees]	 Beam 159 Average Power = -1.5367 dBi Max value = 15.5463 dBi Efficiency = 70.1996 % theta [degrees] phi [degrees]
160	 Beam 160 Average Power = -1.5515 dBi Max value = 17.1197 dBi Efficiency = 69.9605 % theta [degrees] phi [degrees]	 Beam160 Average Power = -1.3723 dBi Max value = 16.247 dBi Efficiency = 72.907 % theta [degrees] phi [degrees]	 Beam 160 Average Power = -1.706 dBi Max value = 16.8884 dBi Efficiency = 67.5155 % theta [degrees] phi [degrees]

161	 Beam 161 Average Power = -1.5174 dBi Max value = 16.8958 dBi Efficiency = 70.5119 % theta [degrees] phi [degrees]	 Beam161 Average Power = -1.3222 dBi Max value = 17.0029 dBi Efficiency = 73.753 % theta [degrees] phi [degrees]	 Beam 161 Average Power = -1.4696 dBi Max value = 16.8669 dBi Efficiency = 71.2925 % theta [degrees] phi [degrees]
162	 Beam 162 Average Power = -0.87153 dBi Max value = 17.7699 dBi Efficiency = 81.8176 % theta [degrees] phi [degrees]	 Beam162 Average Power = -0.88169 dBi Max value = 18.0712 dBi Efficiency = 81.6264 % theta [degrees] phi [degrees]	 Beam 162 Average Power = -0.79557 dBi Max value = 18.5708 dBi Efficiency = 83.2613 % theta [degrees] phi [degrees]