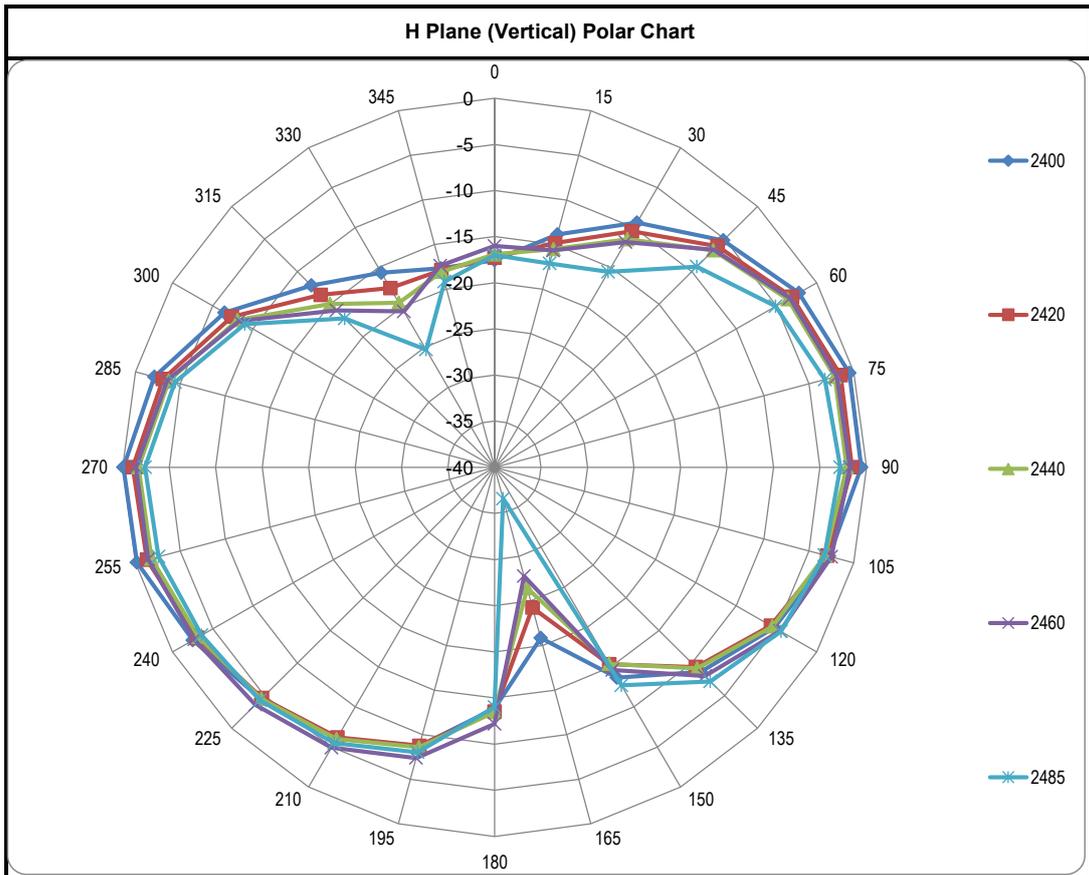
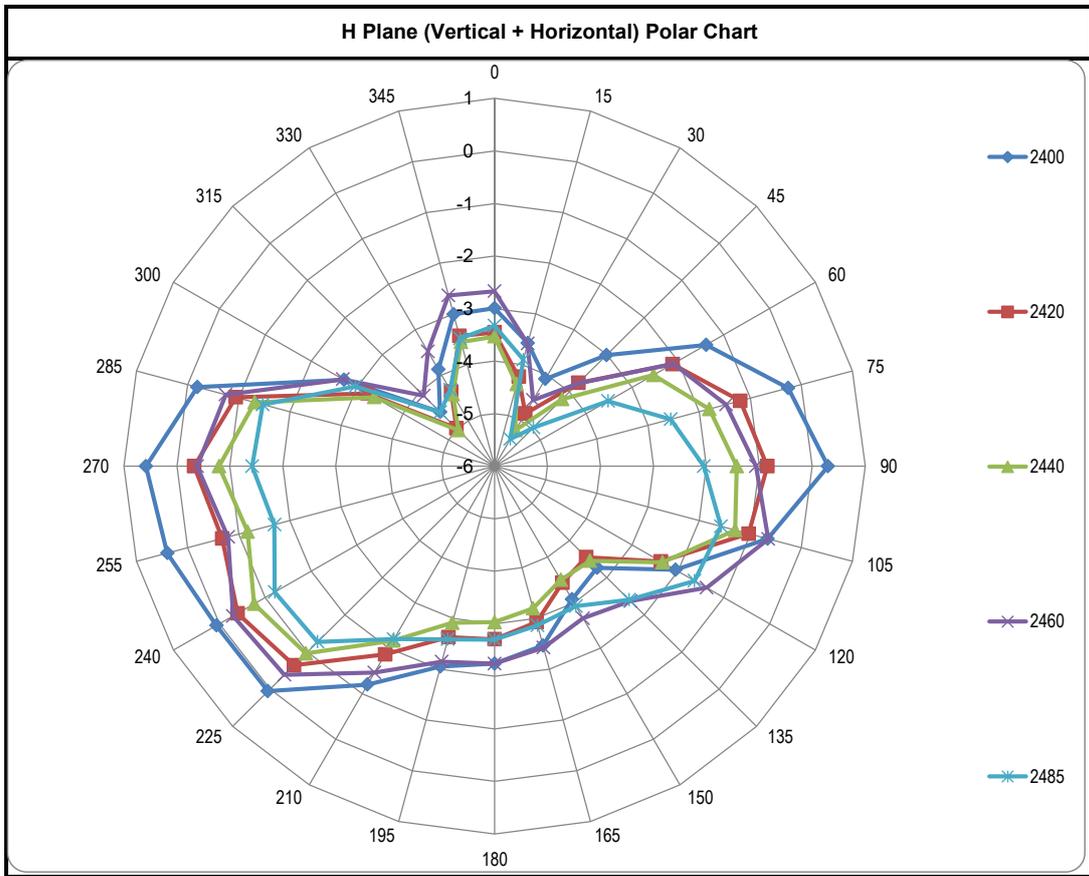
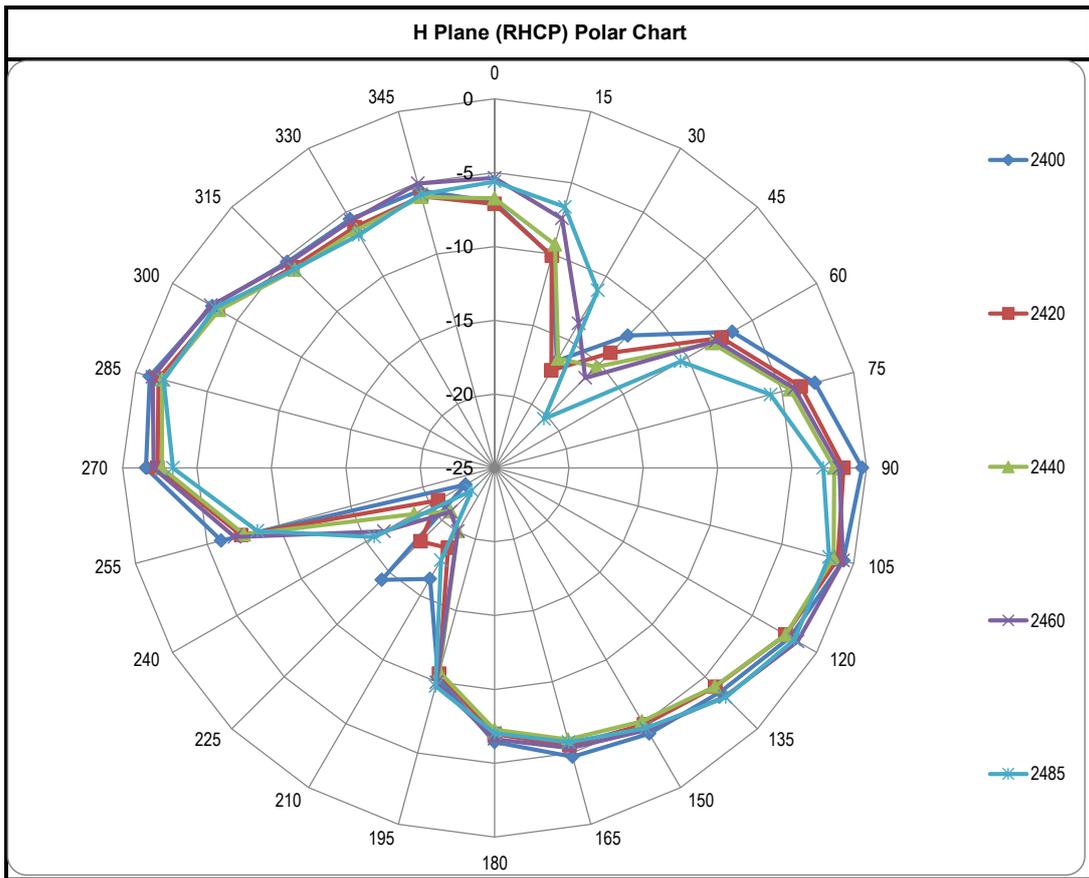
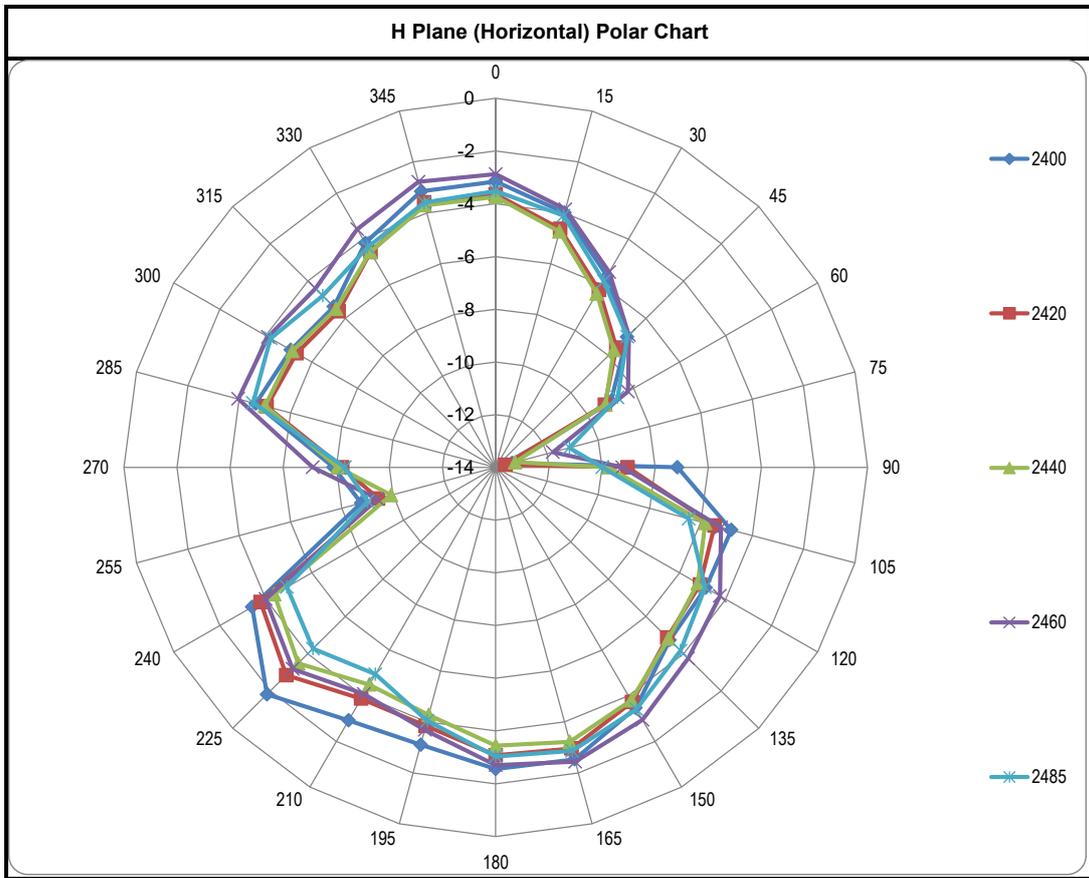
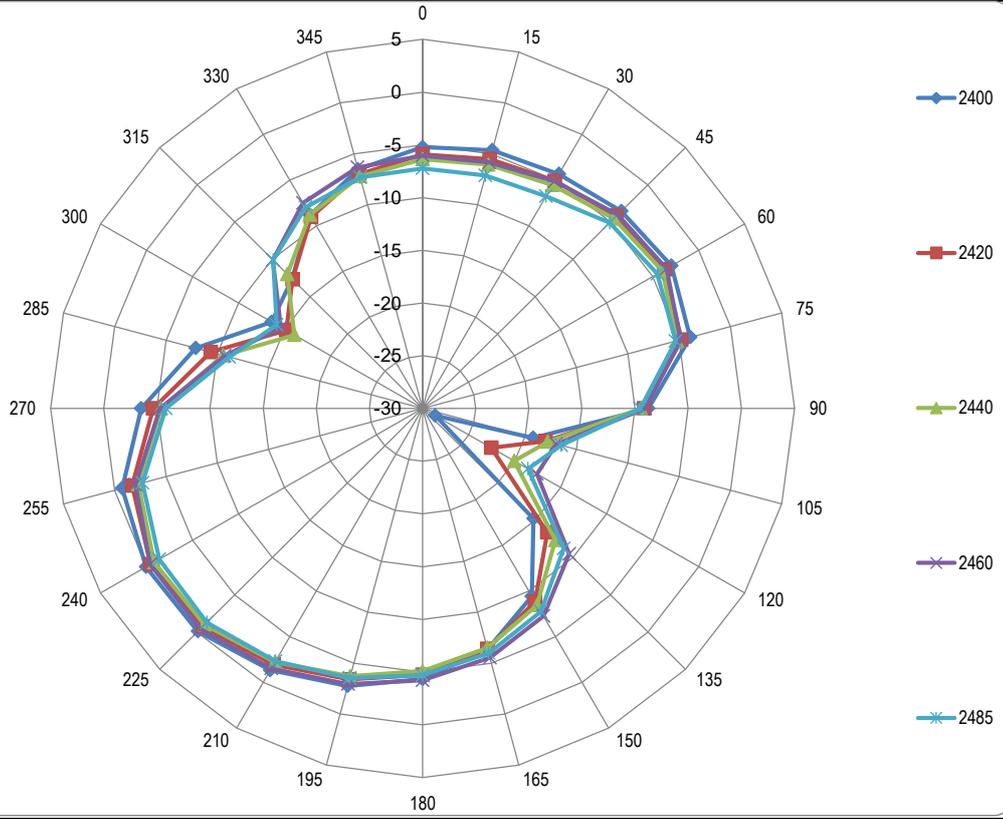


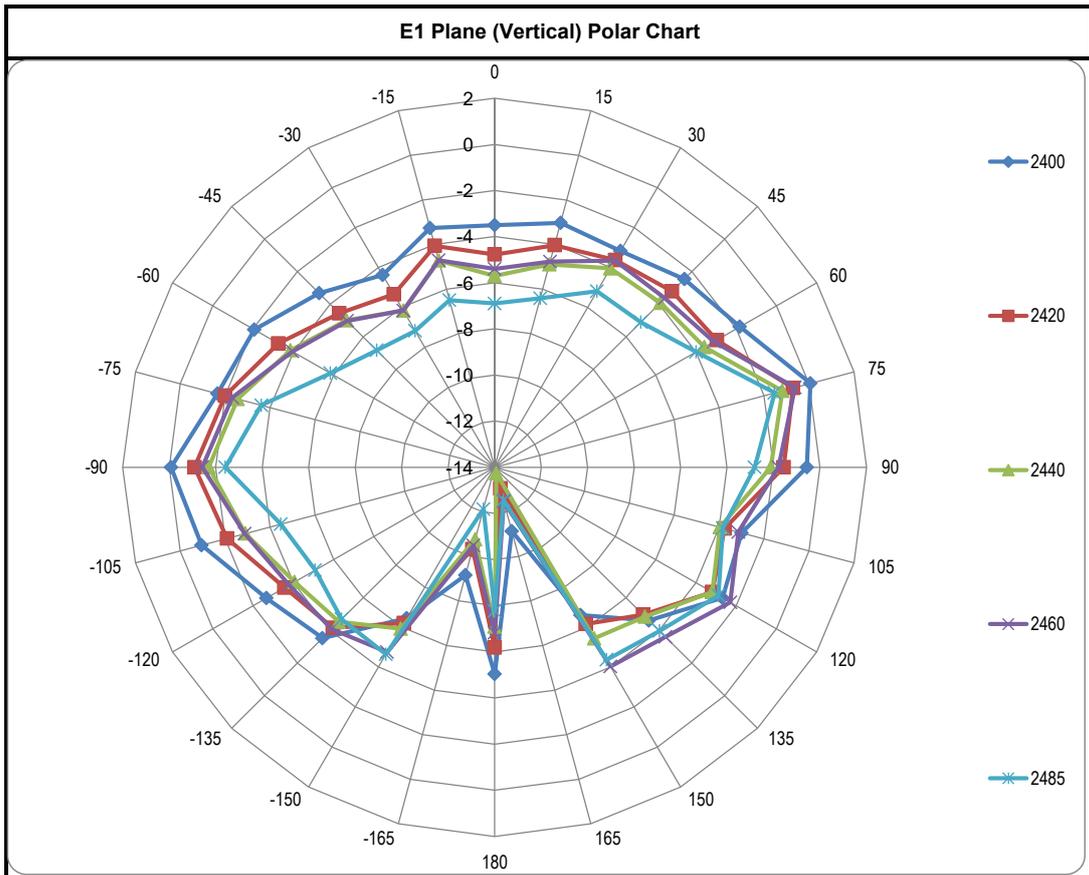
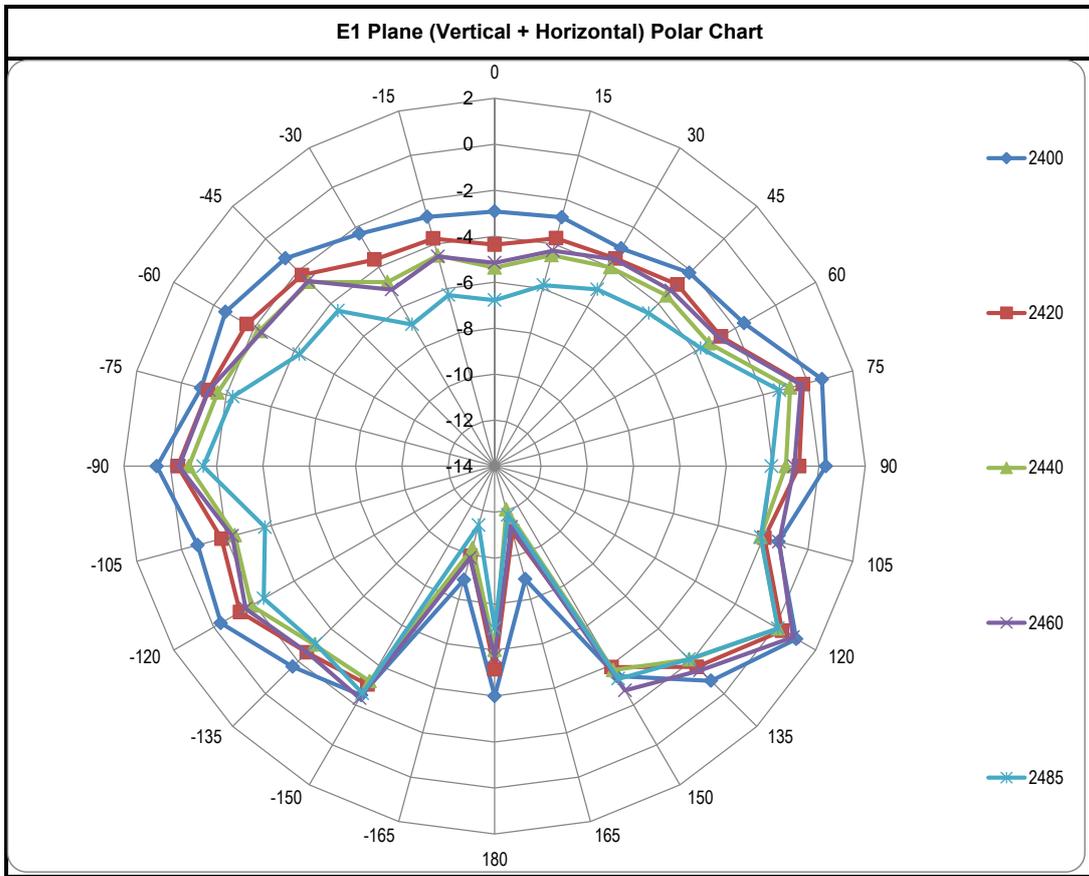
| | | | | |
|---------------------------------|---|------------------------|----|-------------|
| Antenna Test Data Sheet | | 검토 | 확인 | 승인 |
| | | | | |
| | TELLESTAR.COM | 11/28 | | 11/28 |
| Enterprise | ATTOWAVE Co., Ltd | REV. | IR | Page 1 of 2 |
| Model name | PCB Antenna | Date | | 2023.11.28 |
| System | 2.4G | Written by | | S.H.BACK |
| Electrical Specification | | Frequency Range | | |
| | | 2400~2485(MHz) | | |
| Band Width | 85(MHz) | | | |
| V.S.W.R (Min) | 2.5:1 | | | |
| Gain (Max) | 1.19 dBi | | | |
| Input Impedance | 50 (Ω) | | | |
| Directivity | Onmi-Directivity | | | |
| Polarization | Linear | | | |
| Mechanical Specification | | | | |
| Antenna Size | TBD | | | |
| Weight | TBD | | | |
| Radiator Material | CU | | | |
| Connection Type | PCB Pattern Type | | | |
| Operation Temperature | -30 ~ 80 (°C) | | | |
| Operation Humidity | 10 ~ 80 (%) | | | |
| Option | | | | |
| | Tellestar Co., Ltd  | | | |

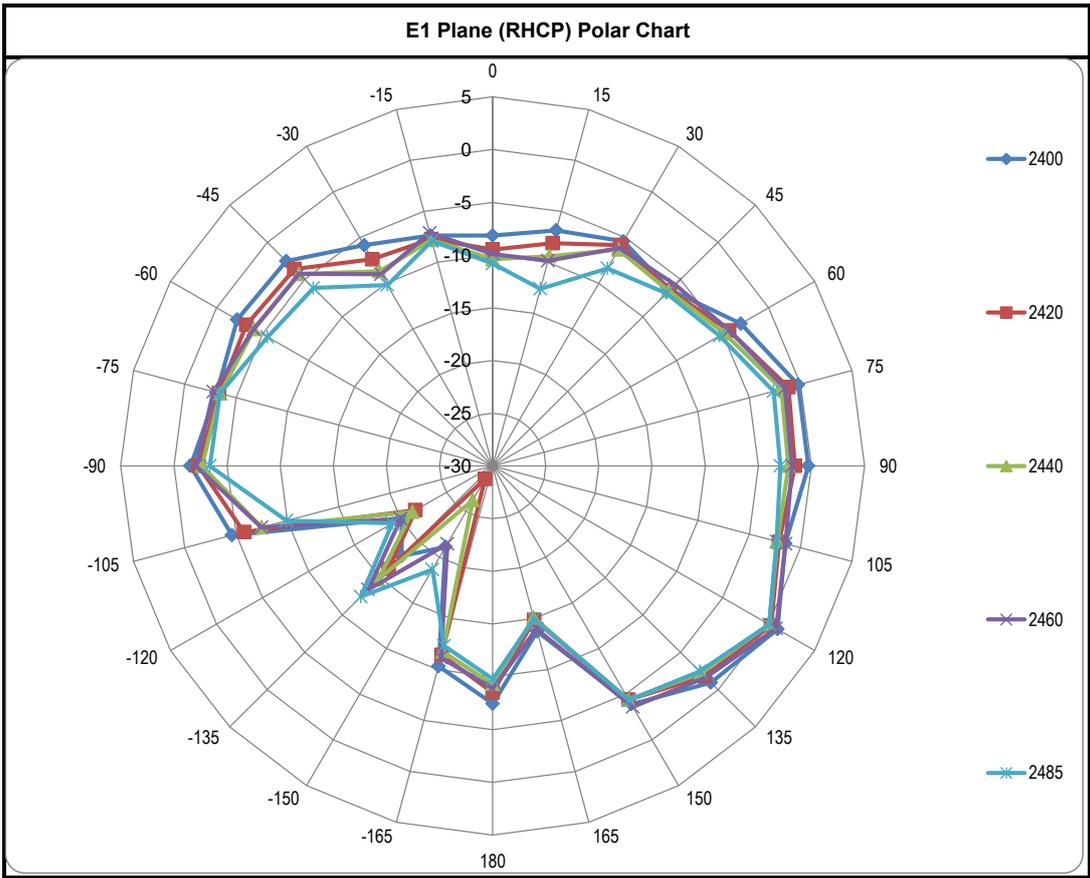
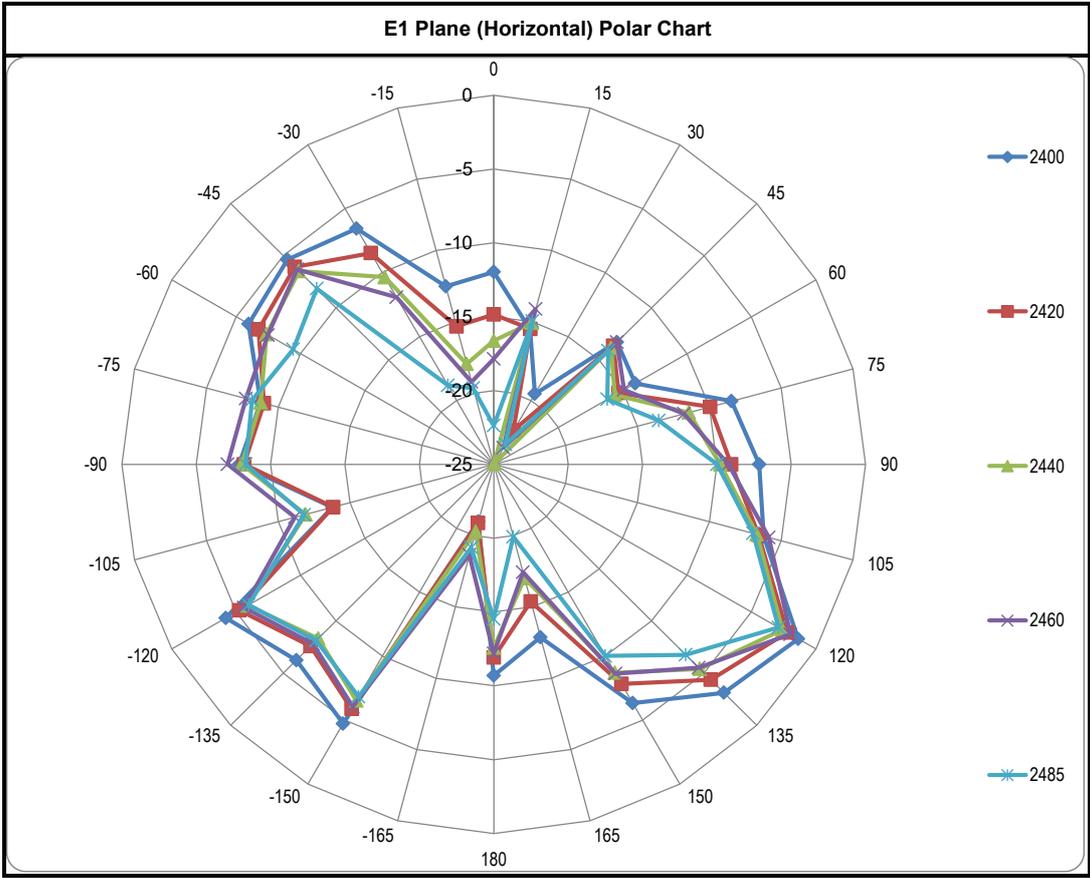




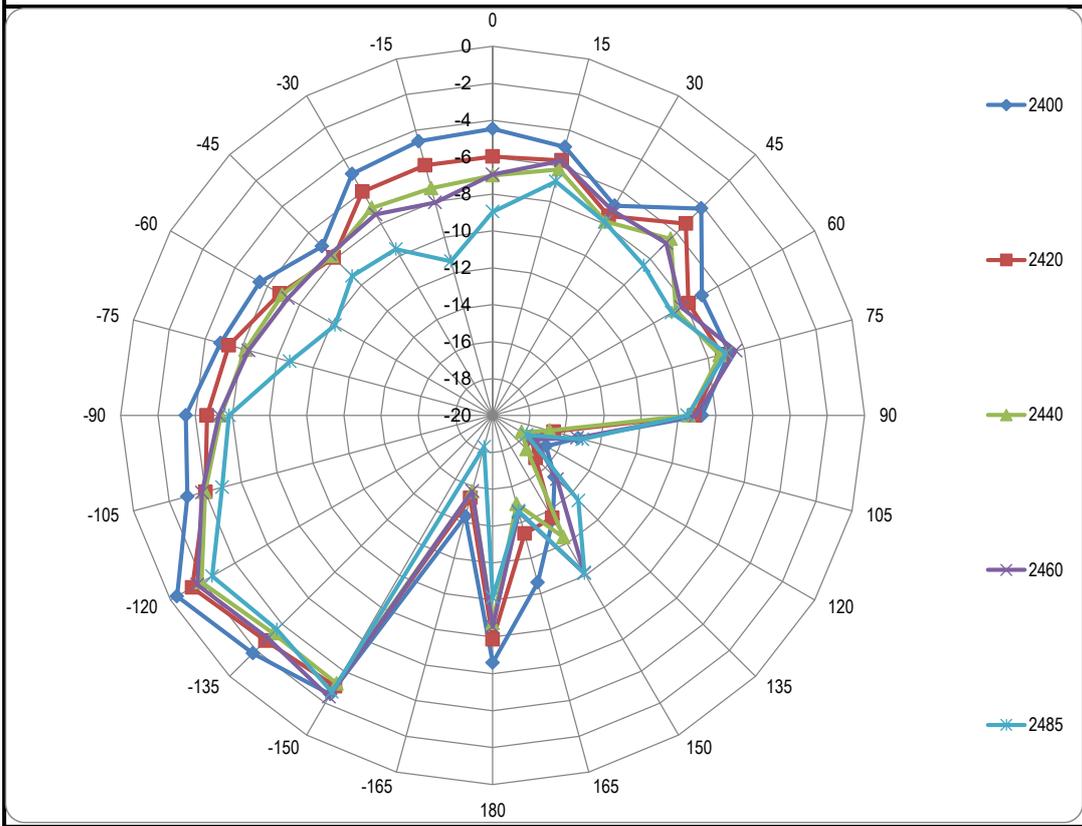
H Plane (LHCP) Polar Chart

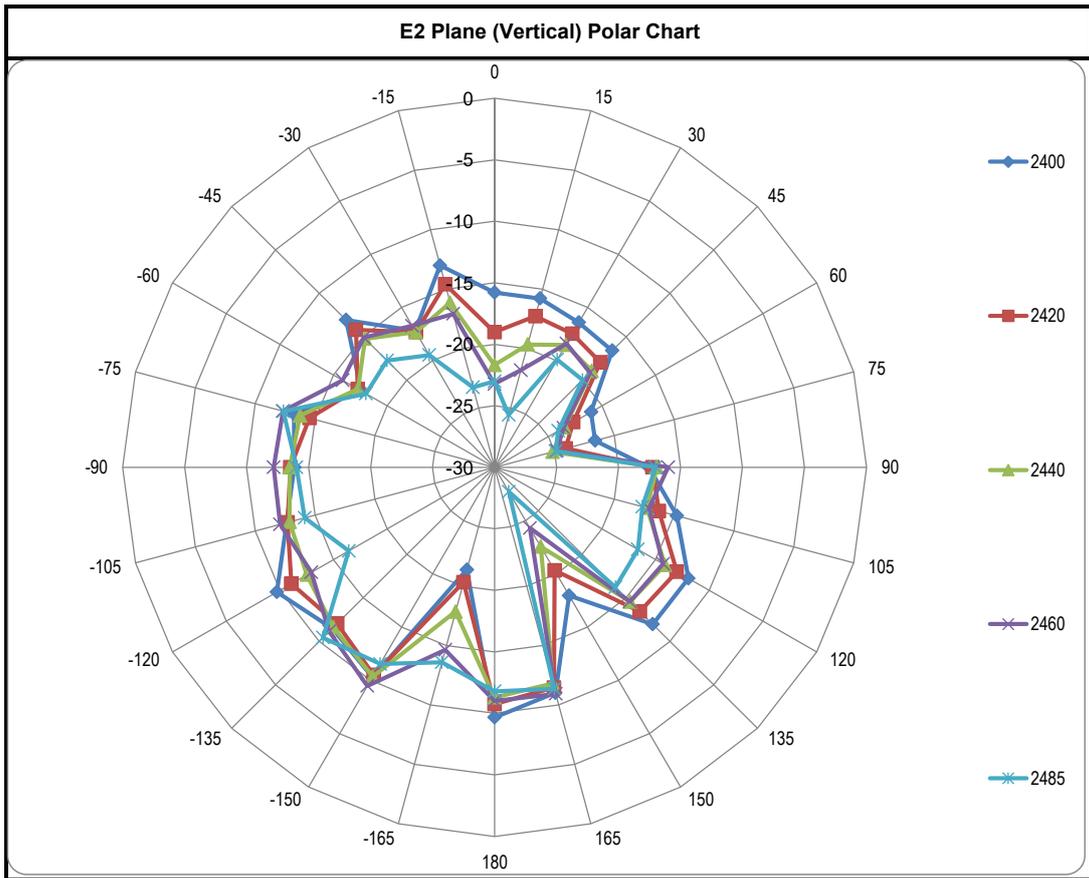
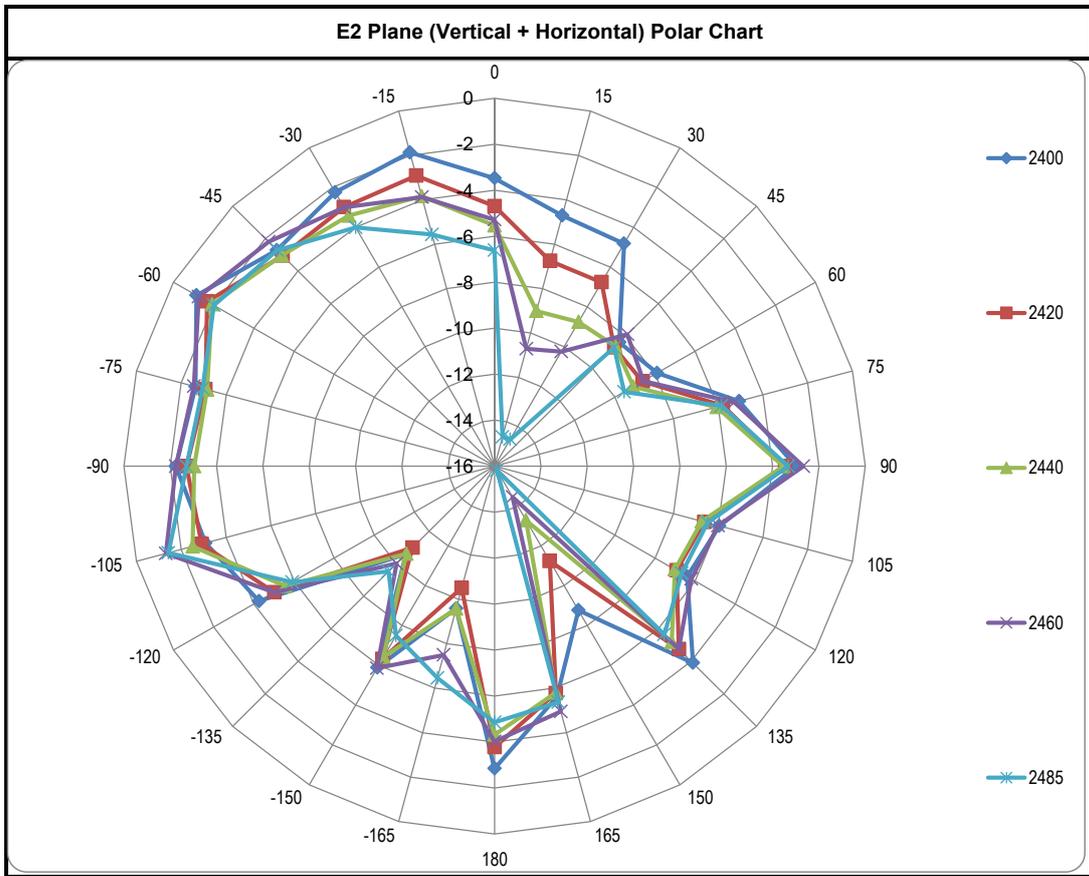


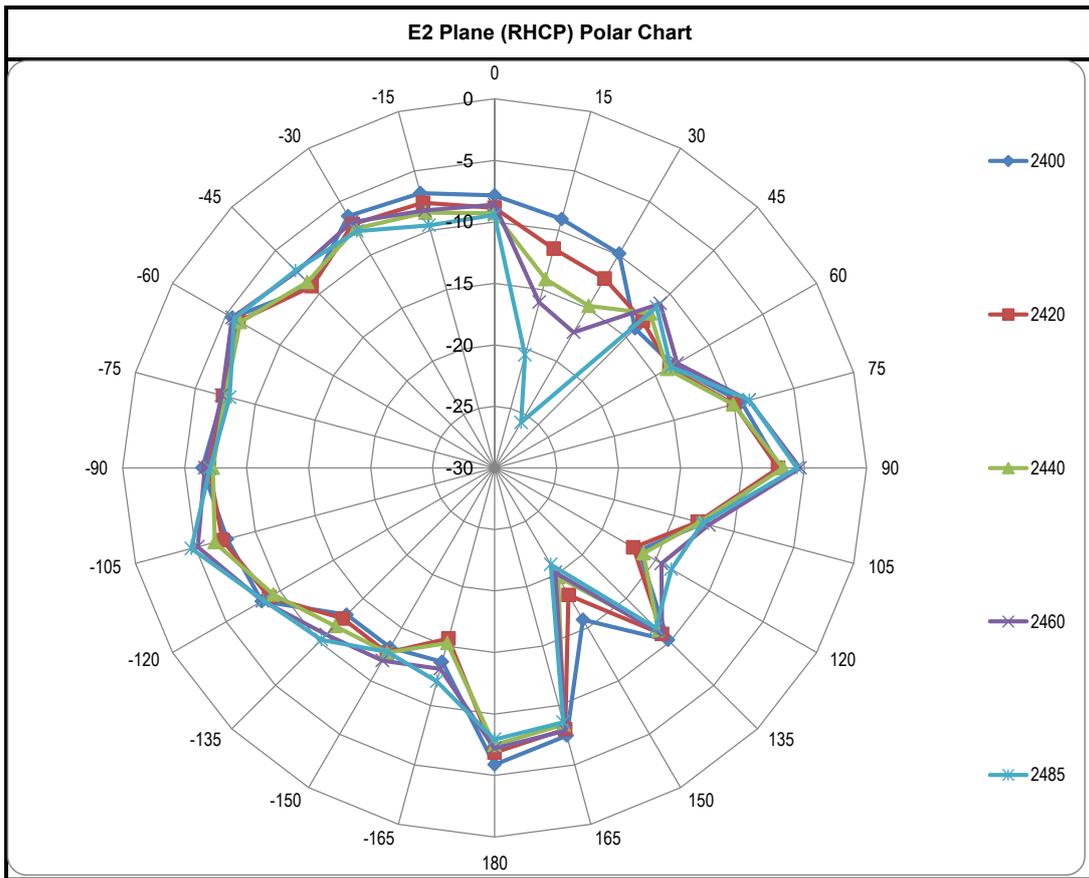
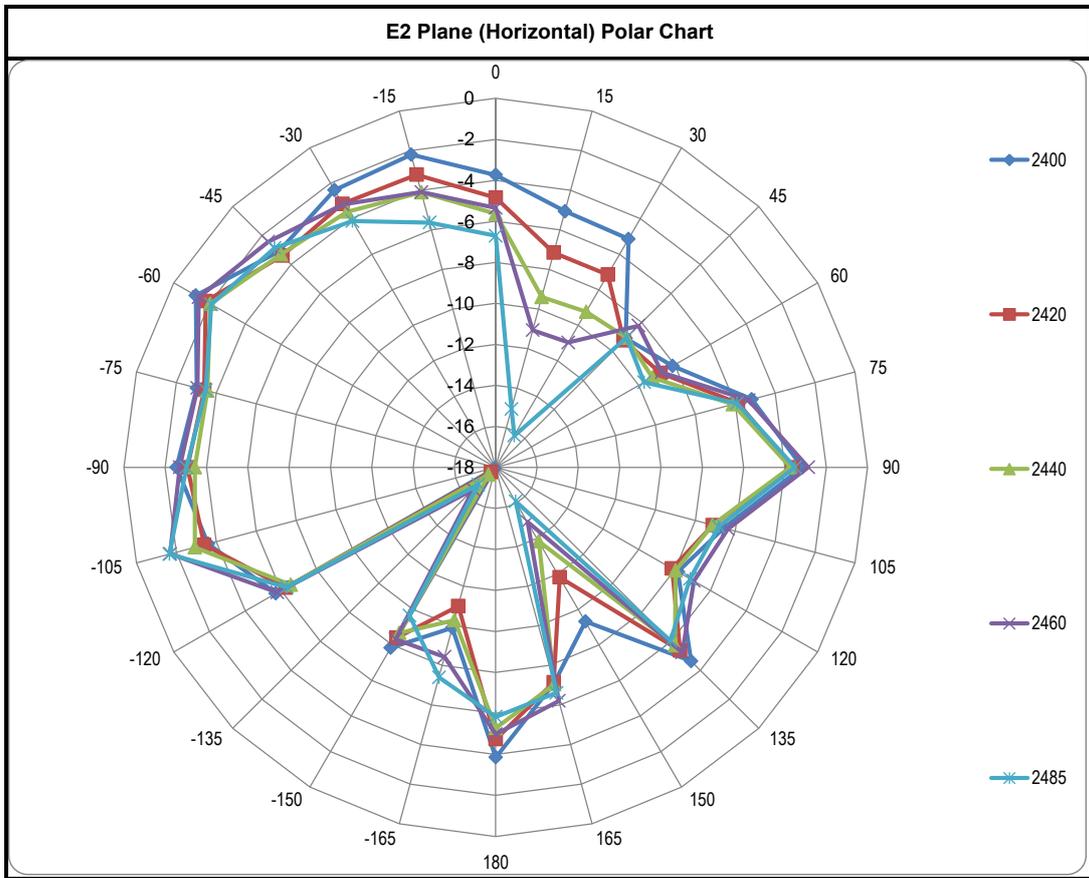




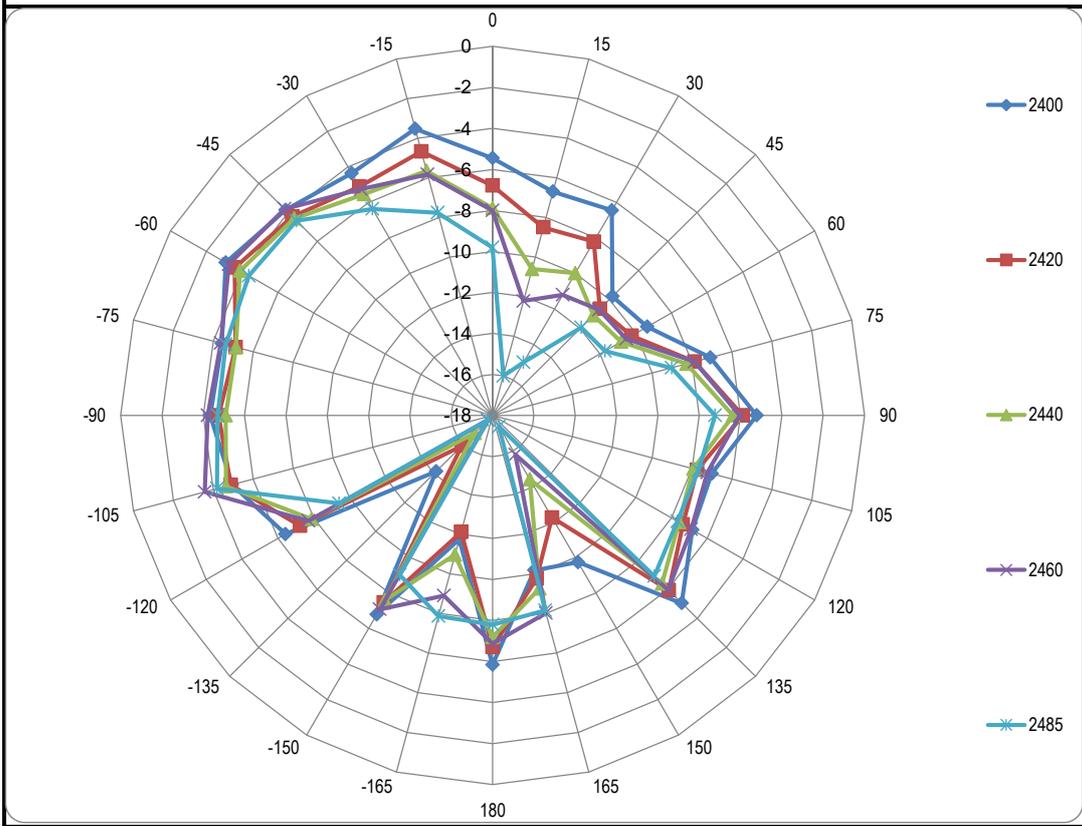
E1 Plane (LHCP) Polar Chart







E2 Plane (LHCP) Polar Chart



Test = 2.400GHz

| Horizontal + Vertical | | | | | | | | | | | | | |
|-----------------------|----------------|-------|-------|---------------|-------|---------|-------|-------|-------|--------|-------|--------|-------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | -3.47 | -4.71 | -4.83 | -8.38 | -7.90 | -5.07 | -2.99 | -5.96 | -6.40 | -3.89 | -8.76 | -5.61 | -2.84 |
| 15 | -3.64 | -4.53 | -4.40 | -7.25 | -6.17 | -4.95 | -3.58 | -5.01 | -4.07 | -2.86 | -9.43 | -5.01 | -2.58 |
| 30 | -3.87 | -4.32 | -3.87 | -5.92 | -4.17 | -3.74 | -4.09 | -3.41 | -1.88 | -2.41 | -9.34 | -5.03 | -2.71 |
| 45 | -3.55 | -3.80 | -3.27 | -4.06 | -2.64 | -2.68 | -3.01 | -1.67 | -0.53 | -2.23 | -7.62 | -5.86 | -3.42 |
| 60 | -3.42 | -3.40 | -2.83 | -2.53 | -1.82 | -1.57 | -1.39 | -1.31 | 0.52 | -1.67 | -5.79 | -6.75 | -3.86 |
| 75 | -3.19 | -3.02 | -2.65 | -1.90 | -1.68 | -0.57 | -0.26 | -1.45 | 0.69 | -0.89 | -4.42 | -7.78 | -3.99 |
| 90 | -2.92 | -2.79 | -3.07 | -2.11 | -1.56 | 0.63 | 0.30 | -1.31 | 1.03 | -0.79 | -3.45 | -8.91 | -3.99 |
| 105 | -2.87 | -2.41 | -3.29 | -2.69 | -0.73 | 1.19 | -0.66 | -1.24 | 0.18 | -2.34 | -3.03 | -10.57 | -3.48 |
| 120 | -2.85 | -2.32 | -3.48 | -3.05 | -0.12 | 0.79 | -2.05 | -1.89 | -1.59 | -4.63 | -3.32 | -11.29 | -3.16 |
| 135 | -2.67 | -2.18 | -3.29 | -3.00 | -0.03 | -0.61 | -3.26 | -2.65 | -3.89 | -7.98 | -4.23 | -11.52 | -2.78 |
| 150 | -2.53 | -2.00 | -2.86 | -3.09 | -0.44 | -2.00 | -3.07 | -3.06 | -5.61 | -12.78 | -6.08 | -10.96 | -2.71 |
| 165 | -2.39 | -1.89 | -2.45 | -2.82 | -1.03 | -2.73 | -2.47 | -3.18 | -5.65 | -17.93 | -6.93 | -10.14 | -2.99 |
| 180 | -2.44 | -1.87 | -2.24 | -2.71 | -1.14 | -2.63 | -2.24 | -3.08 | -4.26 | -10.59 | -5.88 | -9.59 | -3.10 |
| 195 | -2.33 | -1.96 | -2.36 | -2.71 | -0.63 | -2.18 | -2.06 | -2.39 | -2.69 | -7.19 | -4.20 | -9.60 | -3.38 |
| 210 | -2.51 | -2.11 | -2.67 | -2.69 | -0.16 | -0.96 | -1.20 | -1.33 | -1.57 | -4.29 | -2.77 | -9.92 | -3.56 |
| 225 | -2.69 | -2.31 | -2.72 | -2.41 | -0.13 | 0.20 | 0.06 | 0.27 | -0.77 | -2.29 | -1.91 | -10.18 | -3.43 |
| 240 | -2.93 | -2.51 | -2.79 | -1.51 | -0.64 | 0.66 | 0.06 | 0.88 | 0.21 | -1.10 | -1.58 | -10.43 | -2.97 |
| 255 | -2.80 | -2.65 | -2.36 | -1.10 | -0.56 | 0.32 | 0.40 | -0.40 | 0.33 | -1.01 | -1.64 | -9.77 | -2.52 |
| 270 | -2.79 | -2.77 | -2.32 | -1.22 | -0.58 | -0.88 | 0.59 | -0.73 | -0.35 | -1.66 | -2.49 | -8.88 | -2.81 |
| 285 | -2.74 | -2.97 | -2.54 | -2.37 | -1.48 | -2.36 | -0.19 | -0.06 | -0.84 | -2.42 | -3.78 | -8.60 | -3.16 |
| 300 | -2.67 | -3.29 | -2.99 | -3.72 | -2.71 | -4.36 | -2.72 | -0.66 | -1.04 | -2.81 | -5.55 | -8.17 | -3.58 |
| 315 | -2.64 | -3.92 | -3.80 | -5.46 | -4.23 | -5.07 | -4.55 | -2.60 | -2.07 | -3.75 | -7.15 | -7.48 | -3.64 |
| 330 | -2.93 | -4.23 | -4.72 | -7.40 | -6.18 | -4.97 | -3.87 | -4.64 | -4.34 | -4.19 | -8.18 | -6.49 | -3.58 |
| 345 | -3.30 | -4.60 | -5.16 | -8.74 | -7.93 | -4.86 | -3.01 | -5.86 | -6.98 | -4.33 | -8.59 | -6.20 | -3.40 |
| 360 | -3.47 | -4.71 | -4.83 | -8.38 | -7.90 | -5.07 | -2.99 | -5.96 | -6.40 | -3.89 | -8.76 | -5.61 | -2.84 |
| Avg. | -3.08 | -3.11 | -3.31 | -3.42 | -1.92 | -1.72 | -1.78 | -2.03 | -1.75 | -3.43 | -4.77 | -8.23 | -3.39 |
| Peak Value | | 1.188 | | Minimum Value | | -17.933 | | | | | | | |

| Horizontal | | | | | | | | | | | | | |
|-----------------|----------------|--------|--------|---------------|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | -3.74 | -5.07 | -5.14 | -9.09 | -8.11 | -5.17 | -3.15 | -6.57 | -7.82 | -4.63 | -9.32 | -7.08 | -3.86 |
| 15 | -4.64 | -5.89 | -5.13 | -8.42 | -7.34 | -5.88 | -4.00 | -7.20 | -8.64 | -5.81 | -10.24 | -8.15 | -4.58 |
| 30 | -6.46 | -7.55 | -5.35 | -7.54 | -6.56 | -6.84 | -5.61 | -7.89 | -11.65 | -8.46 | -10.99 | -10.65 | -6.46 |
| 45 | -9.34 | -10.03 | -5.96 | -6.58 | -6.35 | -7.73 | -7.00 | -9.23 | -26.27 | -11.01 | -9.66 | -17.05 | -10.52 |
| 60 | -13.73 | -14.43 | -7.46 | -6.43 | -7.12 | -9.23 | -9.00 | -15.07 | -8.43 | -7.05 | -8.00 | -23.00 | -19.33 |
| 75 | -17.17 | -22.18 | -10.86 | -7.95 | -10.17 | -12.20 | -13.36 | -15.31 | -3.72 | -3.70 | -7.00 | -15.99 | -19.54 |
| 90 | -11.96 | -15.55 | -19.49 | -13.28 | -14.01 | -8.46 | -7.16 | -6.22 | -1.37 | -3.12 | -6.33 | -12.87 | -10.69 |
| 105 | -8.48 | -8.78 | -13.58 | -20.87 | -7.95 | -3.79 | -4.82 | -4.12 | -2.04 | -5.60 | -6.09 | -12.63 | -6.27 |
| 120 | -5.97 | -5.98 | -8.28 | -10.20 | -4.06 | -2.93 | -4.87 | -4.67 | -4.08 | -9.81 | -6.03 | -12.51 | -4.34 |
| 135 | -4.23 | -3.96 | -5.11 | -5.91 | -2.26 | -2.98 | -4.74 | -4.73 | -6.17 | -16.44 | -5.96 | -12.22 | -3.10 |
| 150 | -3.25 | -2.69 | -3.34 | -3.74 | -1.43 | -2.86 | -3.47 | -3.84 | -6.39 | -19.90 | -6.38 | -11.20 | -2.73 |
| 165 | -2.72 | -2.08 | -2.49 | -2.87 | -1.19 | -2.77 | -2.53 | -3.32 | -5.71 | -18.06 | -7.11 | -10.14 | -3.12 |
| 180 | -2.92 | -2.22 | -2.38 | -3.13 | -1.24 | -3.03 | -2.55 | -3.59 | -5.71 | -17.90 | -7.84 | -9.89 | -4.07 |
| 195 | -3.59 | -3.04 | -3.21 | -4.49 | -1.54 | -3.57 | -3.11 | -4.13 | -6.72 | -20.03 | -8.10 | -10.38 | -5.71 |
| 210 | -5.03 | -4.67 | -5.28 | -7.35 | -2.45 | -3.62 | -2.92 | -3.49 | -7.16 | -16.13 | -8.00 | -11.40 | -8.58 |
| 225 | -7.55 | -7.51 | -8.94 | -13.54 | -4.75 | -3.90 | -1.82 | -1.53 | -4.65 | -9.84 | -7.26 | -12.50 | -13.69 |
| 240 | -12.87 | -12.48 | -12.79 | -12.77 | -10.87 | -6.80 | -3.41 | -0.80 | -1.91 | -6.32 | -5.89 | -14.98 | -27.02 |
| 255 | -20.67 | -17.58 | -9.17 | -7.64 | -9.15 | -13.46 | -8.76 | -4.36 | -1.62 | -5.16 | -4.72 | -18.70 | -13.91 |
| 270 | -15.97 | -12.52 | -6.56 | -5.37 | -5.97 | -8.77 | -7.89 | -13.77 | -4.19 | -6.24 | -4.72 | -21.00 | -10.30 |
| 285 | -9.71 | -8.61 | -4.91 | -5.00 | -5.40 | -7.23 | -4.65 | -8.43 | -11.74 | -8.99 | -5.59 | -15.68 | -7.16 |
| 300 | -6.31 | -6.53 | -4.13 | -5.48 | -5.89 | -8.05 | -5.09 | -5.34 | -18.82 | -9.37 | -7.39 | -10.95 | -5.26 |
| 315 | -4.38 | -5.37 | -4.16 | -6.43 | -6.28 | -7.25 | -5.38 | -5.43 | -10.63 | -7.14 | -9.29 | -8.07 | -4.08 |
| 330 | -3.53 | -4.80 | -4.75 | -7.78 | -7.22 | -5.78 | -4.17 | -5.84 | -8.38 | -5.17 | -10.15 | -6.59 | -3.59 |
| 345 | -3.35 | -4.71 | -5.21 | -8.88 | -8.11 | -5.05 | -3.16 | -6.00 | -7.81 | -4.33 | -9.63 | -6.45 | -3.58 |
| 360 | -3.74 | -5.07 | -5.14 | -9.09 | -8.11 | -5.17 | -3.15 | -6.57 | -7.82 | -4.63 | -9.32 | -7.08 | -3.86 |
| Avg. | -6.09 | -6.25 | -5.81 | -6.90 | -5.12 | -5.52 | -4.69 | -5.30 | -5.76 | -7.54 | -7.41 | -11.05 | -6.18 |
| Peak Value | | -0.798 | | Minimum Value | | -27.021 | | | | | | | |

| Vertical | | | | | | | | | | | | | | |
|-----------------|----------------|--------|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -15.78 | -15.79 | -16.41 | -16.57 | -21.01 | -21.61 | -17.55 | -14.77 | -11.95 | -11.96 | -17.96 | -11.03 | -9.67 | |
| 15 | -10.55 | -10.23 | -12.52 | -13.49 | -12.44 | -12.10 | -13.88 | -9.03 | -5.93 | -5.93 | -17.17 | -7.90 | -6.91 | |
| 30 | -7.33 | -7.11 | -9.26 | -10.98 | -7.91 | -6.67 | -9.37 | -5.32 | -2.36 | -3.65 | -14.34 | -6.42 | -5.09 | |
| 45 | -4.88 | -4.98 | -6.63 | -7.63 | -5.05 | -4.30 | -5.22 | -2.51 | -0.54 | -2.85 | -11.87 | -6.20 | -4.36 | |
| 60 | -3.85 | -3.76 | -4.67 | -4.81 | -3.33 | -2.38 | -2.22 | -1.50 | -0.07 | -3.16 | -9.79 | -6.86 | -3.98 | |
| 75 | -3.37 | -3.07 | -3.36 | -3.14 | -2.34 | -0.88 | -0.48 | -1.63 | -1.27 | -4.12 | -7.91 | -8.49 | -4.11 | |
| 90 | -3.50 | -3.03 | -3.17 | -2.45 | -1.82 | 0.06 | -0.56 | -3.00 | -2.68 | -4.61 | -6.60 | -11.13 | -5.04 | |
| 105 | -4.27 | -3.54 | -3.71 | -2.75 | -1.64 | -0.47 | -2.77 | -4.38 | -3.79 | -5.11 | -5.99 | -14.81 | -6.72 | |
| 120 | -5.75 | -4.77 | -5.22 | -3.98 | -2.37 | -1.61 | -5.26 | -5.15 | -5.19 | -6.19 | -6.66 | -17.42 | -9.37 | |
| 135 | -7.86 | -6.91 | -7.95 | -6.12 | -4.00 | -4.37 | -8.66 | -6.85 | -7.78 | -8.64 | -9.07 | -19.83 | -14.21 | |
| 150 | -10.73 | -10.36 | -12.69 | -11.64 | -7.34 | -9.46 | -13.68 | -10.92 | -13.42 | -13.72 | -17.86 | -23.71 | -27.10 | |
| 165 | -13.71 | -15.53 | -23.28 | -21.81 | -15.46 | -22.88 | -20.85 | -18.20 | -24.33 | -33.20 | -20.94 | -39.30 | -18.43 | |
| 180 | -12.30 | -13.02 | -17.19 | -13.07 | -17.59 | -13.25 | -13.85 | -12.62 | -9.72 | -11.48 | -10.29 | -21.38 | -10.10 | |
| 195 | -8.33 | -8.54 | -9.84 | -7.46 | -7.90 | -7.82 | -8.73 | -7.21 | -4.88 | -7.42 | -6.48 | -17.40 | -7.20 | |
| 210 | -6.07 | -5.62 | -6.12 | -4.50 | -4.04 | -4.35 | -6.05 | -5.39 | -2.97 | -4.58 | -4.32 | -15.33 | -5.20 | |
| 225 | -4.40 | -3.88 | -3.90 | -2.76 | -1.97 | -1.94 | -4.49 | -4.42 | -3.06 | -3.13 | -3.40 | -14.01 | -3.86 | |
| 240 | -3.40 | -2.97 | -3.24 | -1.85 | -1.07 | -0.19 | -2.52 | -4.05 | -3.92 | -2.65 | -3.59 | -12.31 | -2.99 | |
| 255 | -2.87 | -2.80 | -3.37 | -2.19 | -1.21 | 0.13 | -0.16 | -2.63 | -4.09 | -3.12 | -4.58 | -10.37 | -2.84 | |
| 270 | -3.01 | -3.26 | -4.37 | -3.32 | -2.06 | -1.66 | -0.08 | -0.95 | -2.66 | -3.53 | -6.44 | -9.15 | -3.66 | |
| 285 | -3.71 | -4.35 | -6.31 | -5.81 | -3.74 | -4.08 | -2.11 | -0.75 | -1.21 | -3.50 | -8.46 | -9.54 | -5.36 | |
| 300 | -5.12 | -6.08 | -9.35 | -8.50 | -5.54 | -6.79 | -6.47 | -2.46 | -1.11 | -3.90 | -10.17 | -11.42 | -8.51 | |
| 315 | -7.45 | -9.39 | -14.86 | -12.42 | -8.47 | -9.11 | -12.13 | -5.80 | -2.73 | -6.41 | -11.24 | -16.43 | -13.80 | |
| 330 | -11.81 | -13.27 | -26.58 | -18.20 | -12.88 | -12.64 | -15.64 | -10.83 | -6.52 | -11.16 | -12.57 | -23.03 | -28.58 | |
| 345 | -22.54 | -20.75 | -24.99 | -23.54 | -21.99 | -18.58 | -17.68 | -21.00 | -14.57 | -31.19 | -15.30 | -18.64 | -17.39 | |
| 360 | -15.78 | -15.79 | -16.41 | -16.57 | -21.01 | -21.61 | -17.55 | -14.77 | -11.95 | -11.96 | -17.96 | -11.03 | -9.67 | |
| Avg. | -6.09 | -5.98 | -6.90 | -6.01 | -4.74 | -4.06 | -4.90 | -4.80 | -3.95 | -5.57 | -8.19 | -11.45 | -6.64 | |
| | Peak Value | 0.132 | Minimum Value | -39.300 | | | | | | | | | | |

| RHCP | | | | | | | | | | | | | | |
|-----------------|----------------|-------|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -7.84 | -9.06 | -9.89 | -13.96 | -13.34 | -9.37 | -6.97 | -12.60 | -16.57 | -10.21 | -15.74 | -7.48 | -5.87 | |
| 15 | -8.26 | -8.80 | -10.20 | -15.42 | -17.40 | -13.86 | -10.16 | -14.68 | -17.56 | -11.03 | -14.35 | -6.77 | -5.39 | |
| 30 | -8.63 | -8.42 | -9.70 | -19.79 | -20.42 | -13.80 | -16.61 | -16.11 | -8.56 | -7.57 | -11.33 | -7.27 | -5.60 | |
| 45 | -8.50 | -7.70 | -8.49 | -18.65 | -12.55 | -8.63 | -12.33 | -10.89 | -3.69 | -4.32 | -8.14 | -9.15 | -6.72 | |
| 60 | -8.55 | -7.37 | -7.08 | -11.42 | -7.75 | -5.03 | -6.56 | -6.39 | -0.27 | -1.98 | -5.86 | -11.33 | -7.39 | |
| 75 | -8.36 | -7.04 | -5.68 | -8.11 | -5.21 | -2.40 | -2.71 | -3.07 | 0.60 | -0.90 | -4.51 | -13.03 | -7.52 | |
| 90 | -8.15 | -6.88 | -5.40 | -6.39 | -3.03 | -0.23 | -0.28 | -1.49 | 0.96 | -0.95 | -3.90 | -13.76 | -7.44 | |
| 105 | -8.31 | -6.59 | -5.07 | -4.88 | -1.38 | 0.74 | -0.72 | -1.42 | -0.05 | -2.58 | -4.18 | -14.12 | -6.96 | |
| 120 | -8.59 | -6.92 | -5.30 | -4.17 | -0.64 | 0.39 | -2.06 | -2.01 | -1.62 | -4.87 | -4.90 | -13.82 | -6.75 | |
| 135 | -8.59 | -7.21 | -5.46 | -3.82 | -0.71 | -1.27 | -3.55 | -2.72 | -4.17 | -8.76 | -6.28 | -13.55 | -6.38 | |
| 150 | -8.61 | -7.25 | -5.57 | -4.73 | -1.61 | -3.30 | -4.21 | -3.68 | -7.49 | -15.18 | -8.92 | -13.30 | -6.09 | |
| 165 | -8.49 | -7.16 | -5.77 | -6.10 | -3.31 | -5.14 | -4.75 | -5.18 | -9.36 | -22.09 | -11.51 | -13.46 | -5.92 | |
| 180 | -8.66 | -6.86 | -6.37 | -9.13 | -5.56 | -7.33 | -6.42 | -7.65 | -8.31 | -13.12 | -13.13 | -13.66 | -5.67 | |
| 195 | -7.95 | -6.72 | -7.86 | -13.81 | -8.60 | -10.15 | -10.30 | -13.29 | -7.91 | -11.07 | -12.55 | -13.78 | -5.92 | |
| 210 | -7.83 | -6.78 | -9.80 | -14.39 | -12.36 | -13.70 | -16.31 | -19.41 | -10.27 | -10.26 | -11.80 | -13.63 | -6.07 | |
| 225 | -7.70 | -7.23 | -10.96 | -8.73 | -12.96 | -12.81 | -14.27 | -9.51 | -21.33 | -10.26 | -12.47 | -13.36 | -6.22 | |
| 240 | -7.61 | -7.45 | -9.62 | -4.47 | -7.15 | -8.02 | -22.75 | -8.47 | -15.32 | -10.36 | -16.04 | -12.34 | -6.33 | |
| 255 | -7.00 | -7.40 | -7.16 | -2.84 | -3.58 | -4.07 | -5.97 | -14.53 | -16.55 | -14.28 | -24.46 | -10.99 | -6.44 | |
| 270 | -6.59 | -7.38 | -5.83 | -2.54 | -2.25 | -3.11 | -1.56 | -4.61 | -20.12 | -17.90 | -21.14 | -10.33 | -7.01 | |
| 285 | -6.26 | -7.51 | -5.20 | -3.27 | -2.33 | -3.69 | -1.00 | -0.99 | -6.92 | -10.31 | -19.54 | -10.75 | -7.63 | |
| 300 | -6.05 | -7.95 | -5.13 | -4.47 | -3.09 | -4.87 | -3.08 | -0.78 | -3.34 | -6.13 | -21.63 | -10.78 | -8.09 | |
| 315 | -6.12 | -8.65 | -5.89 | -6.27 | -4.37 | -5.15 | -5.28 | -2.81 | -2.88 | -5.25 | -24.96 | -9.74 | -7.54 | |
| 330 | -6.58 | -8.91 | -7.40 | -8.76 | -6.59 | -5.58 | -5.55 | -6.04 | -4.54 | -5.37 | -23.67 | -8.53 | -7.05 | |
| 345 | -7.26 | -9.07 | -8.94 | -11.66 | -9.58 | -6.52 | -5.56 | -9.88 | -8.23 | -7.04 | -18.93 | -8.23 | -6.84 | |
| 360 | -7.84 | -9.06 | -9.89 | -13.96 | -13.34 | -9.37 | -6.97 | -12.60 | -16.57 | -10.21 | -15.74 | -7.48 | -5.87 | |
| Avg. | -7.86 | -7.71 | -7.03 | -6.75 | -4.83 | -4.46 | -4.85 | -5.16 | -4.71 | -6.50 | -9.58 | -10.86 | -6.74 | |
| | Peak Value | 0.960 | Minimum Value | -24.961 | | | | | | | | | | |

| LHCP | | | | | | | | | | | | | |
|-----------------|-------------------|--------------|----------------------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|-------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | -5.45 | -6.70 | -6.45 | -9.79 | -9.35 | -7.09 | -5.22 | -7.02 | -6.84 | -5.05 | -9.73 | -10.18 | -5.84 |
| 15 | -5.49 | -6.57 | -5.73 | -7.96 | -6.51 | -5.55 | -4.65 | -5.50 | -4.27 | -3.58 | -11.13 | -9.80 | -5.80 |
| 30 | -5.63 | -6.46 | -5.18 | -6.10 | -4.28 | -4.19 | -4.34 | -3.65 | -2.93 | -3.99 | -13.69 | -8.99 | -5.85 |
| 45 | -5.23 | -6.06 | -4.82 | -4.22 | -3.11 | -3.95 | -3.55 | -2.22 | -3.40 | -6.41 | -17.08 | -8.60 | -6.15 |
| 60 | -5.02 | -5.63 | -4.88 | -3.13 | -3.10 | -4.17 | -2.96 | -2.92 | -7.26 | -13.30 | -23.89 | -8.61 | -6.40 |
| 75 | -4.77 | -5.21 | -5.64 | -3.09 | -4.22 | -5.20 | -3.91 | -6.51 | -16.33 | -26.77 | -21.39 | -9.32 | -6.53 |
| 90 | -4.47 | -4.94 | -6.87 | -4.14 | -7.00 | -6.82 | -8.75 | -15.24 | -16.68 | -15.28 | -13.51 | -10.63 | -6.60 |
| 105 | -4.33 | -4.49 | -8.01 | -6.69 | -9.28 | -8.91 | -19.23 | -15.19 | -12.59 | -14.99 | -9.34 | -13.11 | -6.06 |
| 120 | -4.20 | -4.17 | -8.12 | -9.51 | -9.63 | -9.79 | -28.63 | -17.66 | -22.41 | -17.23 | -8.47 | -14.84 | -5.65 |
| 135 | -3.95 | -3.81 | -7.34 | -10.68 | -8.44 | -9.10 | -15.23 | -21.02 | -15.96 | -15.78 | -8.47 | -15.80 | -5.27 |
| 150 | -3.76 | -3.54 | -6.20 | -8.10 | -6.70 | -7.90 | -9.43 | -11.88 | -10.14 | -16.50 | -9.27 | -14.77 | -5.39 |
| 165 | -3.61 | -3.42 | -5.17 | -5.57 | -4.90 | -6.43 | -6.36 | -7.52 | -8.06 | -20.04 | -8.79 | -12.86 | -6.09 |
| 180 | -3.63 | -3.52 | -4.36 | -3.83 | -3.09 | -4.43 | -4.33 | -4.94 | -6.42 | -14.14 | -6.79 | -11.75 | -6.62 |
| 195 | -3.72 | -3.73 | -3.79 | -3.06 | -1.39 | -2.94 | -2.76 | -2.76 | -4.24 | -9.48 | -4.89 | -11.69 | -6.91 |
| 210 | -4.02 | -3.92 | -3.61 | -2.99 | -0.43 | -1.20 | -1.33 | -1.39 | -2.20 | -5.56 | -3.35 | -12.34 | -7.13 |
| 225 | -4.33 | -4.00 | -3.42 | -3.56 | -0.37 | -0.02 | -0.11 | -0.21 | -0.81 | -3.04 | -2.31 | -13.02 | -6.68 |
| 240 | -4.74 | -4.19 | -3.80 | -4.57 | -1.74 | 0.03 | 0.04 | 0.35 | 0.09 | -1.64 | -1.74 | -14.91 | -5.66 |
| 255 | -4.87 | -4.43 | -4.10 | -5.92 | -3.55 | -1.65 | -0.74 | -0.57 | 0.24 | -1.22 | -1.66 | -15.89 | -4.77 |
| 270 | -5.14 | -4.62 | -4.88 | -7.03 | -5.54 | -4.85 | -3.51 | -3.01 | -0.40 | -1.77 | -2.55 | -14.34 | -4.89 |
| 285 | -5.29 | -4.85 | -5.94 | -9.67 | -8.99 | -8.18 | -7.89 | -7.20 | -2.08 | -3.19 | -3.90 | -12.67 | -5.08 |
| 300 | -5.34 | -5.10 | -7.09 | -11.70 | -13.39 | -13.92 | -13.60 | -16.32 | -4.90 | -5.54 | -5.66 | -11.63 | -5.47 |
| 315 | -5.22 | -5.70 | -7.99 | -13.13 | -19.15 | -22.37 | -12.64 | -15.83 | -9.80 | -9.09 | -7.22 | -11.41 | -5.92 |
| 330 | -5.38 | -6.03 | -8.08 | -13.12 | -16.63 | -13.79 | -8.83 | -10.25 | -17.84 | -10.44 | -8.31 | -10.75 | -6.17 |
| 345 | -5.52 | -6.52 | -7.52 | -11.84 | -12.95 | -9.85 | -6.54 | -8.05 | -13.02 | -7.66 | -9.01 | -10.46 | -6.03 |
| 360 | -5.45 | -6.70 | -6.45 | -9.79 | -9.35 | -7.09 | -5.22 | -7.02 | -6.84 | -5.05 | -9.73 | -10.18 | -5.84 |
| Avg. | -4.84 | -4.95 | -5.71 | -6.14 | -5.02 | -5.01 | -4.73 | -4.92 | -4.81 | -6.39 | -6.51 | -11.66 | -6.09 |
| | Peak Value | 0.346 | Minimum Value | | -28.626 | | | | | | | | |

| AR | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|-------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | 17.26 | 17.39 | 14.18 | 12.54 | 12.93 | 17.70 | 19.96 | 10.16 | 5.88 | 10.79 | 9.56 | 16.23 | 54.40 |
| 15 | 16.02 | 17.85 | 11.97 | 7.86 | 5.10 | 7.03 | 10.26 | 6.30 | 3.82 | 7.86 | 14.73 | 15.27 | 32.43 |
| 30 | 15.36 | 18.98 | 11.89 | 3.65 | 2.73 | 5.97 | 4.31 | 4.22 | 10.09 | 13.84 | 17.38 | 20.10 | 37.04 |
| 45 | 14.61 | 20.54 | 13.63 | 3.34 | 6.10 | 11.61 | 6.63 | 6.73 | 35.37 | 18.42 | 6.50 | 30.08 | 29.63 |
| 60 | 13.95 | 20.01 | 18.01 | 7.05 | 11.64 | 26.11 | 13.80 | 14.10 | 8.36 | 4.85 | 2.19 | 16.17 | 24.96 |
| 75 | 13.81 | 19.61 | 52.23 | 11.02 | 24.91 | 15.91 | 23.20 | 14.19 | 2.49 | 0.89 | 2.50 | 13.52 | 24.93 |
| 90 | 13.60 | 19.09 | 21.50 | 17.79 | 12.96 | 8.82 | 6.89 | 3.62 | 2.29 | 3.38 | 5.97 | 14.98 | 26.29 |
| 105 | 12.95 | 18.37 | 15.50 | 19.67 | 7.42 | 5.94 | 2.07 | 3.61 | 4.18 | 4.24 | 10.80 | 24.70 | 25.81 |
| 120 | 12.13 | 16.08 | 15.88 | 10.51 | 6.45 | 5.56 | 0.82 | 2.89 | 1.59 | 4.27 | 13.87 | 24.62 | 23.99 |
| 135 | 11.66 | 14.27 | 19.35 | 8.50 | 7.58 | 7.49 | 4.63 | 2.12 | 4.57 | 8.33 | 18.05 | 17.80 | 23.83 |
| 150 | 11.31 | 13.53 | 28.72 | 14.34 | 10.91 | 11.73 | 10.71 | 7.13 | 16.40 | 22.35 | 33.83 | 21.43 | 27.84 |
| 165 | 11.25 | 13.46 | 29.23 | 30.34 | 20.79 | 22.61 | 20.69 | 17.44 | 22.55 | 18.59 | 16.19 | 29.16 | 40.33 |
| 180 | 11.01 | 14.42 | 18.80 | 10.59 | 16.97 | 15.64 | 18.44 | 16.21 | 19.30 | 24.65 | 9.12 | 19.21 | 25.24 |
| 195 | 12.44 | 15.35 | 12.76 | 5.19 | 8.11 | 8.12 | 7.77 | 5.33 | 13.64 | 20.82 | 7.65 | 18.42 | 24.88 |
| 210 | 13.32 | 15.73 | 9.32 | 4.79 | 4.49 | 4.20 | 3.13 | 2.20 | 7.25 | 11.55 | 6.91 | 22.59 | 24.27 |
| 225 | 14.36 | 14.71 | 7.78 | 10.79 | 4.15 | 4.05 | 3.44 | 6.21 | 1.64 | 8.12 | 5.57 | 34.05 | 31.54 |
| 240 | 15.72 | 14.61 | 9.81 | 44.54 | 10.40 | 7.27 | 1.26 | 6.59 | 2.98 | 6.68 | 3.39 | 16.67 | 28.27 |
| 255 | 18.29 | 15.42 | 15.18 | 15.12 | 55.64 | 17.18 | 10.67 | 3.53 | 2.53 | 3.93 | 1.26 | 11.22 | 20.35 |
| 270 | 21.55 | 16.04 | 25.32 | 11.94 | 14.56 | 19.99 | 19.05 | 20.71 | 1.80 | 2.73 | 2.05 | 12.88 | 18.30 |
| 285 | 25.06 | 16.38 | 27.38 | 9.05 | 8.73 | 11.93 | 8.47 | 9.30 | 11.32 | 8.22 | 2.90 | 19.17 | 16.73 |
| 300 | 27.77 | 15.78 | 18.99 | 8.09 | 5.49 | 6.40 | 5.34 | 2.93 | 20.93 | 29.26 | 2.79 | 26.22 | 16.49 |
| 315 | 25.72 | 15.47 | 18.40 | 8.51 | 3.20 | 2.41 | 7.96 | 3.95 | 8.43 | 13.24 | 2.27 | 20.34 | 20.60 |
| 330 | 23.22 | 15.68 | 28.11 | 12.18 | 5.66 | 7.12 | 14.59 | 12.46 | 3.82 | 10.94 | 2.99 | 17.95 | 25.92 |
| 345 | 20.02 | 16.74 | 21.80 | 39.66 | 14.36 | 14.45 | 24.98 | 19.62 | 11.40 | 28.94 | 5.75 | 17.87 | 26.66 |
| 360 | 17.26 | 17.39 | 14.18 | 12.54 | 12.93 | 17.70 | 19.96 | 10.16 | 5.88 | 10.79 | 9.56 | 16.23 | 54.40 |
| Avg. | 19.51 | 16.79 | 38.36 | 31.94 | 41.67 | 16.06 | 16.12 | 12.46 | 22.02 | 19.97 | 20.33 | 24.21 | 40.80 |
| | Peak Value | 55.637 | Minimum Value | | 0.817 | | | | | | | | |

Test = 2.420GHz

| Horizontal + Vertical | | | | | | | | | | | | | |
|-----------------------|-------------------|-------|-------|----------------------|---------|-------|-------|-------|-------|--------|--------|--------|-------|
| Φ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | -4.69 | -6.75 | -6.76 | -8.69 | -8.62 | -5.80 | -3.45 | -6.62 | -6.93 | -4.74 | -11.24 | -5.78 | -3.77 |
| 15 | -4.97 | -6.55 | -6.25 | -7.84 | -6.93 | -6.04 | -4.24 | -5.70 | -4.84 | -4.24 | -11.81 | -5.32 | -3.56 |
| 30 | -5.26 | -6.12 | -5.65 | -6.54 | -5.16 | -5.55 | -4.84 | -4.10 | -2.95 | -3.78 | -11.15 | -5.58 | -3.94 |
| 45 | -5.13 | -5.39 | -4.77 | -4.79 | -3.82 | -4.11 | -3.76 | -2.62 | -1.65 | -3.60 | -8.70 | -6.61 | -4.50 |
| 60 | -4.75 | -4.66 | -4.10 | -3.30 | -3.06 | -2.59 | -2.12 | -2.35 | -0.58 | -2.77 | -6.57 | -7.92 | -4.98 |
| 75 | -4.52 | -4.21 | -3.71 | -2.63 | -2.90 | -1.41 | -1.20 | -2.47 | 0.02 | -1.70 | -4.94 | -9.41 | -5.14 |
| 90 | -4.36 | -3.73 | -3.57 | -2.84 | -2.72 | -0.22 | -0.85 | -1.94 | 0.33 | -1.65 | -3.91 | -11.06 | -5.16 |
| 105 | -4.18 | -3.37 | -3.70 | -3.70 | -1.83 | 0.42 | -1.03 | -1.68 | -0.39 | -2.92 | -3.43 | -12.41 | -4.86 |
| 120 | -4.11 | -3.03 | -3.65 | -4.08 | -0.93 | 0.28 | -2.37 | -2.43 | -2.27 | -5.19 | -3.70 | -12.58 | -4.25 |
| 135 | -4.06 | -2.91 | -3.64 | -3.96 | -0.75 | -0.96 | -3.55 | -3.14 | -4.17 | -8.43 | -4.90 | -12.51 | -3.71 |
| 150 | -3.97 | -2.87 | -3.38 | -3.63 | -0.96 | -2.23 | -3.44 | -3.21 | -5.76 | -12.62 | -6.58 | -12.22 | -3.51 |
| 165 | -3.83 | -2.83 | -3.16 | -3.14 | -1.51 | -3.00 | -2.93 | -3.12 | -6.20 | -17.27 | -7.43 | -11.31 | -3.76 |
| 180 | -3.89 | -2.91 | -2.99 | -3.05 | -1.67 | -3.08 | -2.71 | -2.91 | -5.02 | -10.99 | -6.32 | -10.51 | -4.13 |
| 195 | -3.79 | -2.97 | -3.00 | -3.19 | -1.33 | -2.47 | -2.63 | -2.59 | -3.45 | -7.84 | -4.39 | -10.92 | -4.26 |
| 210 | -3.90 | -3.04 | -3.21 | -3.55 | -0.97 | -1.34 | -1.86 | -1.81 | -2.14 | -4.93 | -2.87 | -11.55 | -4.40 |
| 225 | -3.96 | -3.15 | -3.41 | -3.35 | -1.16 | -0.44 | -0.64 | -0.50 | -1.30 | -2.95 | -2.08 | -12.48 | -4.16 |
| 240 | -3.94 | -3.34 | -3.54 | -2.53 | -1.62 | -0.15 | -0.40 | 0.15 | -0.53 | -1.74 | -1.82 | -12.83 | -3.62 |
| 255 | -3.81 | -3.61 | -3.52 | -1.86 | -1.50 | -0.43 | -0.68 | -1.20 | -0.33 | -1.65 | -2.09 | -11.59 | -3.22 |
| 270 | -3.67 | -3.75 | -3.62 | -2.24 | -1.64 | -1.21 | -0.33 | -1.80 | -1.31 | -2.54 | -3.03 | -9.96 | -3.44 |
| 285 | -3.58 | -4.08 | -4.08 | -3.21 | -2.44 | -3.21 | -0.94 | -1.19 | -2.09 | -3.67 | -4.56 | -9.15 | -3.78 |
| 300 | -3.46 | -4.56 | -4.82 | -4.79 | -4.02 | -5.44 | -3.23 | -1.43 | -2.36 | -4.42 | -6.47 | -8.50 | -4.31 |
| 315 | -3.55 | -5.23 | -5.70 | -6.35 | -5.50 | -6.11 | -4.98 | -3.01 | -3.25 | -4.77 | -8.50 | -7.62 | -4.43 |
| 330 | -3.94 | -6.04 | -6.70 | -7.99 | -7.26 | -5.78 | -4.36 | -4.81 | -5.23 | -5.12 | -9.95 | -6.89 | -4.40 |
| 345 | -4.34 | -6.61 | -7.10 | -9.04 | -8.86 | -5.52 | -3.43 | -6.09 | -7.42 | -5.09 | -10.69 | -6.46 | -4.20 |
| 360 | -4.69 | -6.75 | -6.76 | -8.69 | -8.62 | -5.80 | -3.45 | -6.62 | -6.93 | -4.74 | -11.24 | -5.78 | -3.77 |
| Avg. | -4.30 | -4.23 | -4.34 | -4.19 | -2.82 | -2.41 | -2.44 | -2.66 | -2.55 | -4.34 | -5.34 | -9.07 | -4.29 |
| | Peak Value | 0.421 | | Minimum Value | -17.269 | | | | | | | | |

| Horizontal | | | | | | | | | | | | | |
|------------|-------------------|--------|--------|----------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| Φ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | -4.85 | -7.16 | -7.15 | -9.24 | -8.80 | -5.86 | -3.64 | -7.12 | -8.15 | -5.37 | -11.81 | -7.15 | -4.74 |
| 15 | -5.79 | -8.13 | -7.14 | -8.85 | -8.11 | -6.82 | -4.63 | -7.85 | -9.17 | -6.72 | -12.62 | -8.16 | -5.54 |
| 30 | -7.57 | -9.98 | -7.48 | -7.97 | -7.69 | -8.20 | -6.23 | -8.54 | -12.60 | -9.90 | -12.77 | -10.86 | -7.60 |
| 45 | -10.01 | -12.39 | -7.94 | -7.04 | -7.93 | -9.35 | -7.57 | -10.21 | -27.31 | -13.21 | -10.94 | -16.62 | -11.60 |
| 60 | -13.93 | -16.54 | -9.64 | -7.09 | -8.73 | -10.49 | -9.25 | -16.53 | -8.74 | -8.02 | -9.31 | -23.46 | -20.63 |
| 75 | -18.17 | -21.01 | -13.46 | -8.71 | -11.46 | -13.14 | -13.63 | -15.35 | -4.30 | -4.71 | -8.37 | -18.01 | -20.81 |
| 90 | -14.85 | -15.51 | -22.35 | -13.63 | -15.32 | -9.95 | -9.04 | -6.57 | -2.22 | -4.37 | -7.83 | -15.39 | -11.92 |
| 105 | -10.18 | -10.23 | -14.38 | -21.21 | -8.93 | -5.47 | -5.47 | -4.60 | -2.78 | -6.71 | -7.41 | -14.88 | -7.89 |
| 120 | -7.54 | -6.83 | -8.27 | -10.62 | -4.92 | -3.74 | -5.11 | -5.01 | -5.15 | -12.07 | -6.99 | -14.50 | -5.37 |
| 135 | -5.80 | -4.91 | -5.51 | -6.44 | -2.84 | -3.39 | -4.86 | -4.79 | -6.68 | -18.34 | -6.92 | -13.83 | -4.01 |
| 150 | -4.75 | -3.66 | -3.91 | -4.18 | -1.86 | -3.08 | -3.73 | -3.72 | -6.70 | -18.48 | -7.11 | -12.69 | -3.53 |
| 165 | -4.14 | -3.05 | -3.20 | -3.19 | -1.62 | -3.04 | -2.96 | -3.21 | -6.23 | -17.30 | -7.61 | -11.39 | -3.89 |
| 180 | -4.25 | -3.22 | -3.15 | -3.40 | -1.79 | -3.40 | -3.08 | -3.39 | -6.26 | -17.67 | -8.40 | -10.99 | -4.90 |
| 195 | -4.90 | -4.02 | -3.90 | -4.63 | -2.32 | -4.06 | -3.84 | -4.10 | -7.24 | -20.19 | -8.76 | -11.72 | -6.58 |
| 210 | -6.29 | -5.62 | -5.87 | -7.63 | -3.47 | -4.38 | -3.87 | -4.06 | -8.09 | -17.47 | -8.76 | -13.13 | -9.52 |
| 225 | -8.71 | -8.40 | -9.44 | -12.62 | -6.19 | -5.07 | -2.85 | -2.47 | -6.03 | -11.27 | -8.39 | -14.85 | -14.62 |
| 240 | -13.15 | -13.67 | -13.91 | -12.67 | -11.25 | -8.62 | -3.78 | -1.67 | -3.27 | -7.42 | -7.21 | -17.08 | -27.02 |
| 255 | -24.30 | -22.84 | -11.85 | -7.77 | -9.47 | -14.83 | -9.42 | -5.10 | -2.56 | -6.24 | -6.10 | -21.44 | -16.08 |
| 270 | -16.75 | -15.33 | -8.48 | -6.08 | -6.73 | -9.01 | -8.22 | -13.82 | -5.24 | -7.58 | -5.88 | -20.89 | -11.11 |
| 285 | -10.56 | -10.75 | -6.69 | -5.88 | -6.50 | -7.93 | -5.07 | -9.15 | -12.84 | -10.91 | -6.69 | -15.66 | -7.86 |
| 300 | -7.14 | -8.32 | -6.00 | -6.35 | -7.19 | -8.88 | -5.34 | -5.80 | -19.27 | -11.58 | -8.56 | -11.15 | -6.04 |
| 315 | -5.35 | -7.26 | -6.05 | -7.12 | -7.68 | -7.87 | -5.63 | -5.66 | -10.78 | -8.23 | -10.76 | -8.34 | -4.90 |
| 330 | -4.60 | -6.81 | -6.72 | -8.25 | -8.36 | -6.34 | -4.57 | -6.03 | -8.49 | -5.93 | -12.13 | -6.94 | -4.43 |
| 345 | -4.44 | -6.75 | -7.17 | -9.13 | -9.08 | -5.62 | -3.59 | -6.34 | -7.99 | -5.10 | -11.89 | -6.69 | -4.38 |
| 360 | -4.85 | -7.16 | -7.15 | -9.24 | -8.80 | -5.86 | -3.64 | -7.12 | -8.15 | -5.37 | -11.81 | -7.15 | -4.74 |
| Avg. | -7.32 | -7.62 | -7.11 | -7.34 | -5.95 | -6.26 | -5.23 | -5.70 | -6.54 | -8.65 | -8.61 | -11.77 | -7.08 |
| | Peak Value | -1.622 | | Minimum Value | -27.314 | | | | | | | | |

| Vertical | | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -19.02 | -17.28 | -17.46 | -17.92 | -22.67 | -24.07 | -17.26 | -16.27 | -13.03 | -13.42 | -20.31 | -11.46 | -10.75 | |
| 15 | -12.62 | -11.70 | -13.57 | -14.66 | -13.17 | -13.92 | -14.85 | -9.78 | -6.84 | -7.86 | -19.50 | -8.51 | -7.92 | |
| 30 | -9.11 | -8.42 | -10.29 | -12.06 | -8.71 | -8.96 | -10.47 | -6.04 | -3.45 | -5.00 | -16.22 | -7.11 | -6.38 | |
| 45 | -6.84 | -6.35 | -7.62 | -8.73 | -5.95 | -5.65 | -6.09 | -3.45 | -1.66 | -4.11 | -12.64 | -7.06 | -5.45 | |
| 60 | -5.31 | -4.95 | -5.52 | -5.64 | -4.43 | -3.36 | -3.05 | -2.51 | -1.30 | -4.31 | -9.87 | -8.04 | -5.10 | |
| 75 | -4.71 | -4.30 | -4.20 | -3.86 | -3.55 | -1.71 | -1.45 | -2.70 | -1.99 | -4.72 | -7.56 | -10.06 | -5.26 | |
| 90 | -4.77 | -4.03 | -3.63 | -3.21 | -2.96 | -0.70 | -1.56 | -3.77 | -3.19 | -4.96 | -6.16 | -13.05 | -6.19 | |
| 105 | -5.44 | -4.38 | -4.08 | -3.77 | -2.78 | -0.87 | -2.97 | -4.77 | -4.12 | -5.28 | -5.65 | -16.03 | -7.86 | |
| 120 | -6.74 | -5.38 | -5.49 | -5.16 | -3.15 | -1.92 | -5.67 | -5.93 | -5.41 | -6.19 | -6.44 | -17.05 | -10.68 | |
| 135 | -8.87 | -7.24 | -8.19 | -7.59 | -4.93 | -4.63 | -9.39 | -8.16 | -7.74 | -8.89 | -9.21 | -18.33 | -15.38 | |
| 150 | -11.78 | -10.61 | -12.80 | -12.92 | -8.24 | -9.75 | -15.34 | -12.81 | -12.85 | -13.92 | -15.99 | -22.06 | -28.17 | |
| 165 | -15.40 | -15.75 | -23.35 | -22.29 | -17.28 | -23.15 | -24.26 | -20.14 | -27.83 | -38.36 | -21.46 | -28.57 | -19.21 | |
| 180 | -14.96 | -14.60 | -17.32 | -14.19 | -17.26 | -14.55 | -13.52 | -12.71 | -11.07 | -12.04 | -10.51 | -20.34 | -11.99 | |
| 195 | -10.25 | -9.64 | -10.30 | -8.70 | -8.23 | -7.59 | -8.75 | -7.91 | -5.79 | -8.10 | -6.36 | -18.64 | -8.09 | |
| 210 | -7.63 | -6.54 | -6.59 | -5.70 | -4.55 | -4.31 | -6.18 | -5.74 | -3.42 | -5.18 | -4.16 | -16.70 | -6.00 | |
| 225 | -5.74 | -4.69 | -4.65 | -3.89 | -2.80 | -2.27 | -4.64 | -4.87 | -3.08 | -3.64 | -3.24 | -16.24 | -4.56 | |
| 240 | -4.49 | -3.76 | -3.96 | -2.97 | -2.12 | -0.82 | -3.06 | -4.49 | -3.83 | -3.11 | -3.30 | -14.87 | -3.64 | |
| 255 | -3.85 | -3.66 | -4.21 | -3.15 | -2.25 | -0.59 | -1.30 | -3.46 | -4.30 | -3.51 | -4.29 | -12.06 | -3.45 | |
| 270 | -3.89 | -4.06 | -5.34 | -4.56 | -3.26 | -1.99 | -1.09 | -2.08 | -3.56 | -4.17 | -6.20 | -10.33 | -4.26 | |
| 285 | -4.55 | -5.13 | -7.53 | -6.59 | -4.61 | -5.00 | -3.06 | -1.95 | -2.48 | -4.58 | -8.67 | -10.25 | -5.94 | |
| 300 | -5.90 | -6.93 | -11.04 | -10.01 | -6.87 | -8.07 | -7.38 | -3.41 | -2.45 | -5.35 | -10.65 | -11.89 | -9.15 | |
| 315 | -8.25 | -9.52 | -16.83 | -14.25 | -9.54 | -10.89 | -13.57 | -6.40 | -4.09 | -7.38 | -12.42 | -15.78 | -14.35 | |
| 330 | -12.50 | -13.94 | -29.77 | -20.33 | -13.75 | -14.97 | -17.58 | -10.91 | -8.01 | -12.76 | -13.99 | -26.55 | -25.26 | |
| 345 | -20.99 | -21.59 | -25.02 | -25.71 | -21.98 | -22.02 | -17.89 | -18.68 | -16.54 | -34.78 | -16.85 | -19.35 | -18.11 | |
| 360 | -19.02 | -17.28 | -17.46 | -17.92 | -22.67 | -24.07 | -17.26 | -16.27 | -13.03 | -13.42 | -20.31 | -11.46 | -10.75 | |
| Avg. | -7.31 | -6.88 | -7.61 | -7.06 | -5.72 | -4.71 | -5.69 | -5.65 | -4.76 | -6.35 | -8.10 | -12.42 | -7.53 | |
| | Peak Value | -0.594 | Minimum Value | -38.357 | | | | | | | | | | |

| RHCP | | | | | | | | | | | | | | |
|-----------------|-------------------|--------------|----------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -8.86 | -11.55 | -12.23 | -13.09 | -13.71 | -10.00 | -7.12 | -13.03 | -17.07 | -10.89 | -18.06 | -7.99 | -6.86 | |
| 15 | -9.54 | -11.36 | -12.49 | -14.43 | -17.82 | -14.86 | -10.12 | -15.94 | -19.64 | -12.52 | -15.87 | -7.50 | -6.39 | |
| 30 | -10.12 | -10.95 | -11.85 | -17.99 | -27.57 | -20.12 | -17.38 | -17.63 | -9.76 | -9.19 | -12.59 | -8.22 | -6.87 | |
| 45 | -10.32 | -10.11 | -10.09 | -20.33 | -14.86 | -10.79 | -13.98 | -11.75 | -4.68 | -5.44 | -8.97 | -10.13 | -7.85 | |
| 60 | -10.05 | -9.23 | -8.30 | -12.59 | -9.13 | -6.00 | -7.39 | -7.22 | -1.24 | -2.98 | -6.57 | -12.66 | -8.47 | |
| 75 | -9.78 | -8.68 | -6.82 | -8.40 | -6.22 | -3.31 | -3.69 | -3.97 | -0.06 | -1.75 | -5.05 | -14.29 | -8.54 | |
| 90 | -9.47 | -8.14 | -5.81 | -6.47 | -4.31 | -1.18 | -1.55 | -2.09 | 0.26 | -1.78 | -4.40 | -14.89 | -8.51 | |
| 105 | -9.30 | -7.87 | -5.63 | -5.71 | -2.45 | -0.12 | -1.12 | -1.76 | 0.49 | -3.06 | -4.41 | -14.91 | -8.31 | |
| 120 | -9.60 | -7.69 | -5.67 | -4.97 | -1.42 | -0.13 | -2.41 | -2.47 | -2.27 | -5.64 | -5.23 | -14.57 | -7.83 | |
| 135 | -9.74 | -7.99 | -6.08 | -4.77 | -1.47 | -1.55 | -4.03 | -3.33 | -4.70 | -9.79 | -6.74 | -14.53 | -7.25 | |
| 150 | -9.75 | -8.12 | -6.44 | -5.47 | -2.16 | -3.40 | -4.92 | -4.16 | -7.93 | -16.09 | -8.85 | -15.21 | -6.85 | |
| 165 | -9.67 | -8.08 | -6.68 | -6.49 | -3.79 | -5.29 | -5.54 | -5.39 | -9.97 | -20.24 | -11.53 | -15.64 | -6.69 | |
| 180 | -9.61 | -7.69 | -7.13 | -9.12 | -6.15 | -7.33 | -6.97 | -7.28 | -9.00 | -12.68 | -12.65 | -15.63 | -6.74 | |
| 195 | -8.91 | -7.34 | -8.02 | -13.51 | -9.35 | -10.60 | -10.56 | -10.84 | -8.41 | -11.12 | -11.87 | -15.91 | -6.74 | |
| 210 | -8.71 | -7.18 | -9.33 | -17.03 | -13.25 | -14.45 | -18.75 | -21.94 | -10.01 | -10.49 | -10.94 | -16.38 | -6.91 | |
| 225 | -8.46 | -7.27 | -10.45 | -10.84 | -13.30 | -13.50 | -17.96 | -11.81 | -16.68 | -10.71 | -11.26 | -16.00 | -7.01 | |
| 240 | -8.13 | -7.51 | -10.28 | -6.26 | -8.62 | -8.17 | -20.63 | -9.61 | -17.90 | -10.77 | -13.72 | -14.55 | -7.05 | |
| 255 | -7.66 | -7.67 | -8.81 | -4.05 | -4.70 | -4.60 | -7.37 | -14.41 | -16.75 | -12.28 | -19.40 | -12.78 | -7.13 | |
| 270 | -7.20 | -7.72 | -7.37 | -3.61 | -3.24 | -3.34 | -2.34 | -5.79 | -21.61 | -16.16 | -28.57 | -11.44 | -7.61 | |
| 285 | -6.89 | -8.14 | -6.82 | -4.10 | -3.29 | -4.23 | -1.62 | -2.05 | -8.39 | -11.86 | -23.34 | -11.39 | -8.19 | |
| 300 | -6.76 | -8.72 | -6.97 | -5.42 | -4.22 | -5.72 | -3.52 | -1.52 | -4.51 | -7.70 | -24.98 | -11.34 | -8.75 | |
| 315 | -6.97 | -9.60 | -7.85 | -7.16 | -5.55 | -6.24 | -5.79 | -3.24 | -3.88 | -6.07 | -28.97 | -10.34 | -8.41 | |
| 330 | -7.38 | -10.52 | -9.59 | -9.42 | -7.70 | -6.76 | -6.17 | -6.10 | -5.39 | -6.32 | -29.28 | -9.37 | -7.96 | |
| 345 | -8.06 | -11.16 | -11.19 | -11.83 | -10.51 | -7.54 | -5.95 | -9.28 | -8.91 | -7.87 | -22.13 | -8.89 | -7.63 | |
| 360 | -8.86 | -11.55 | -12.23 | -13.09 | -13.71 | -10.00 | -7.12 | -13.03 | -17.07 | -10.89 | -18.06 | -7.99 | -6.86 | |
| Avg. | -8.82 | -8.74 | -8.12 | -7.60 | -5.76 | -5.12 | -5.53 | -5.75 | -5.45 | -7.32 | -9.93 | -11.91 | -7.64 | |
| | Peak Value | 0.260 | Minimum Value | -29.284 | | | | | | | | | | |

| LHCP | | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -6.78 | -8.50 | -8.21 | -10.65 | -10.23 | -7.87 | -5.89 | -7.75 | -7.37 | -5.95 | -12.25 | -9.76 | -6.71 | |
| 15 | -6.83 | -8.29 | -7.42 | -8.92 | -7.30 | -6.65 | -5.53 | -6.13 | -4.99 | -4.94 | -13.97 | -9.37 | -6.75 | |
| 30 | -6.98 | -7.85 | -6.84 | -6.86 | -5.19 | -5.71 | -5.09 | -4.30 | -3.97 | -5.25 | -16.65 | -9.01 | -7.03 | |
| 45 | -6.70 | -7.17 | -6.28 | -4.92 | -4.17 | -5.16 | -4.19 | -3.19 | -4.63 | -8.23 | -20.81 | -9.16 | -7.20 | |
| 60 | -6.27 | -6.52 | -6.18 | -3.84 | -4.29 | -5.23 | -3.65 | -4.05 | -9.11 | -16.05 | -35.14 | -9.69 | -7.56 | |
| 75 | -6.06 | -6.13 | -6.63 | -3.97 | -5.62 | -5.92 | -4.79 | -7.82 | -17.39 | -21.80 | -20.90 | -11.12 | -7.80 | |
| 90 | -5.97 | -5.68 | -7.52 | -5.30 | -7.83 | -7.22 | -9.14 | -16.61 | -17.60 | -16.74 | -13.59 | -13.37 | -7.86 | |
| 105 | -5.78 | -5.28 | -8.15 | -8.00 | -10.61 | -8.88 | -18.02 | -18.95 | -16.65 | -18.11 | -10.38 | -15.99 | -7.47 | |
| 120 | -5.55 | -4.85 | -7.95 | -11.37 | -10.69 | -10.22 | -22.52 | -22.90 | -31.37 | -15.33 | -8.97 | -16.93 | -6.75 | |
| 135 | -5.42 | -4.53 | -7.31 | -11.68 | -8.92 | -9.86 | -13.38 | -16.99 | -13.55 | -14.11 | -9.54 | -16.82 | -6.24 | |
| 150 | -5.30 | -4.40 | -6.35 | -8.25 | -7.12 | -8.49 | -8.83 | -10.30 | -9.81 | -15.21 | -10.47 | -15.24 | -6.22 | |
| 165 | -5.14 | -4.36 | -5.71 | -5.84 | -5.38 | -6.87 | -6.38 | -7.02 | -8.56 | -20.32 | -9.58 | -13.31 | -6.85 | |
| 180 | -5.25 | -4.67 | -5.11 | -4.28 | -3.58 | -5.12 | -4.75 | -4.88 | -7.24 | -15.90 | -7.47 | -12.11 | -7.58 | |
| 195 | -5.39 | -4.94 | -4.64 | -3.62 | -2.08 | -3.19 | -3.39 | -3.29 | -5.11 | -10.59 | -5.24 | -12.57 | -7.87 | |
| 210 | -5.64 | -5.16 | -4.42 | -3.75 | -1.23 | -1.55 | -1.95 | -1.86 | -2.92 | -6.34 | -3.60 | -13.28 | -7.98 | |
| 225 | -5.87 | -5.28 | -4.36 | -4.20 | -1.44 | -0.66 | -0.72 | -0.83 | -1.43 | -3.74 | -2.64 | -15.03 | -7.33 | |
| 240 | -6.02 | -5.44 | -4.57 | -4.91 | -2.59 | -0.90 | -0.44 | -0.33 | -0.61 | -2.32 | -2.11 | -17.69 | -6.24 | |
| 255 | -6.12 | -5.77 | -5.04 | -5.89 | -4.32 | -2.53 | -1.72 | -1.41 | -0.43 | -2.05 | -2.17 | -17.77 | -5.48 | |
| 270 | -6.22 | -5.97 | -5.99 | -7.91 | -6.77 | -5.31 | -4.63 | -4.01 | -1.35 | -2.73 | -3.04 | -15.37 | -5.54 | |
| 285 | -6.31 | -6.24 | -7.37 | -10.54 | -9.97 | -10.04 | -9.36 | -8.65 | -3.26 | -4.39 | -4.62 | -13.10 | -5.74 | |
| 300 | -6.20 | -6.66 | -8.90 | -13.54 | -17.43 | -17.61 | -15.19 | -18.78 | -6.46 | -7.17 | -6.53 | -11.67 | -6.25 | |
| 315 | -6.19 | -7.21 | -9.79 | -14.06 | -24.65 | -21.50 | -12.69 | -15.77 | -11.93 | -10.66 | -8.54 | -10.95 | -6.65 | |
| 330 | -6.57 | -7.95 | -9.83 | -13.51 | -17.44 | -12.73 | -9.03 | -10.71 | -19.73 | -11.26 | -10.00 | -10.52 | -6.92 | |
| 345 | -6.75 | -8.49 | -9.25 | -12.28 | -13.86 | -9.81 | -7.00 | -8.94 | -12.81 | -8.35 | -11.01 | -10.14 | -6.82 | |
| 360 | -6.78 | -8.50 | -8.21 | -10.65 | -10.23 | -7.87 | -5.89 | -7.75 | -7.37 | -5.95 | -12.25 | -9.76 | -6.71 | |
| Avg. | -6.20 | -6.13 | -6.70 | -6.83 | -5.91 | -5.74 | -5.37 | -5.60 | -5.67 | -7.38 | -7.19 | -12.27 | -6.99 | |
| | Peak Value | -0.333 | Minimum Value | -35.136 | | | | | | | | | | |

| AR | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | 18.50 | 15.20 | 12.88 | 17.09 | 14.10 | 18.29 | 23.02 | 10.60 | 5.90 | 11.15 | 9.83 | 19.87 | 41.26 |
| 15 | 16.19 | 15.13 | 10.95 | 10.26 | 5.33 | 7.13 | 11.76 | 5.82 | 3.25 | 7.73 | 19.27 | 19.40 | 33.56 |
| 30 | 14.98 | 15.08 | 11.04 | 4.95 | 1.32 | 3.35 | 4.31 | 3.80 | 9.85 | 13.03 | 12.78 | 26.84 | 40.49 |
| 45 | 13.77 | 15.52 | 13.31 | 2.97 | 5.23 | 10.07 | 5.84 | 6.81 | 50.63 | 15.94 | 4.55 | 25.02 | 28.58 |
| 60 | 13.37 | 16.22 | 18.28 | 6.65 | 11.33 | 27.13 | 13.48 | 14.88 | 7.45 | 3.92 | 0.65 | 15.45 | 25.67 |
| 75 | 13.50 | 16.70 | 39.34 | 12.05 | 29.16 | 16.51 | 24.02 | 13.24 | 2.38 | 1.73 | 2.82 | 14.88 | 27.39 |
| 90 | 14.02 | 17.05 | 20.16 | 23.43 | 13.98 | 9.52 | 7.72 | 3.30 | 2.23 | 3.14 | 6.29 | 21.15 | 28.57 |
| 105 | 13.99 | 16.62 | 16.83 | 17.65 | 7.17 | 6.64 | 2.50 | 2.41 | 2.72 | 3.10 | 9.60 | 24.09 | 26.32 |
| 120 | 12.81 | 15.80 | 17.65 | 9.06 | 6.23 | 5.62 | 1.72 | 1.66 | 0.61 | 5.91 | 13.45 | 17.38 | 24.11 |
| 135 | 12.27 | 14.11 | 23.02 | 8.45 | 7.87 | 7.04 | 6.16 | 3.65 | 6.57 | 12.27 | 15.92 | 17.63 | 24.76 |
| 150 | 12.01 | 13.51 | 46.42 | 15.99 | 11.12 | 10.91 | 13.11 | 9.39 | 19.34 | 25.86 | 20.66 | 56.53 | 28.86 |
| 165 | 11.86 | 13.52 | 25.13 | 28.57 | 20.79 | 20.84 | 26.22 | 20.56 | 21.84 | 46.27 | 19.01 | 17.51 | 40.93 |
| 180 | 12.17 | 15.30 | 18.73 | 11.32 | 16.64 | 17.94 | 17.92 | 17.23 | 19.92 | 14.73 | 10.75 | 14.00 | 26.34 |
| 195 | 13.98 | 17.25 | 14.34 | 5.76 | 8.05 | 7.90 | 8.16 | 7.76 | 14.53 | 30.44 | 8.78 | 14.43 | 23.82 |
| 210 | 15.14 | 18.74 | 11.21 | 3.82 | 4.45 | 4.00 | 2.53 | 1.73 | 8.24 | 12.60 | 7.99 | 15.05 | 24.19 |
| 225 | 16.60 | 18.87 | 9.45 | 8.77 | 4.53 | 4.03 | 2.40 | 5.04 | 3.03 | 8.39 | 6.76 | 25.04 | 34.74 |
| 240 | 18.37 | 18.52 | 9.96 | 22.22 | 9.53 | 8.05 | 1.71 | 6.23 | 2.39 | 6.91 | 4.67 | 14.95 | 26.70 |
| 255 | 21.02 | 19.25 | 13.39 | 19.53 | 33.08 | 18.50 | 10.05 | 3.95 | 2.68 | 5.53 | 2.41 | 11.08 | 20.45 |
| 270 | 24.94 | 19.92 | 22.03 | 12.32 | 13.95 | 18.95 | 17.63 | 19.85 | 1.69 | 3.76 | 0.92 | 13.06 | 18.52 |
| 285 | 29.50 | 19.26 | 30.12 | 9.00 | 8.72 | 9.82 | 7.57 | 8.82 | 10.84 | 7.84 | 2.02 | 20.20 | 17.05 |
| 300 | 29.86 | 18.54 | 19.12 | 7.20 | 3.86 | 4.52 | 4.64 | 2.40 | 19.03 | 30.33 | 2.09 | 34.41 | 16.89 |
| 315 | 26.94 | 17.27 | 19.12 | 8.46 | 1.94 | 3.03 | 8.45 | 4.19 | 7.27 | 11.76 | 1.66 | 29.18 | 19.94 |
| 330 | 26.60 | 16.69 | 36.97 | 12.71 | 5.87 | 9.61 | 15.76 | 11.73 | 3.38 | 11.16 | 1.89 | 23.63 | 24.42 |
| 345 | 22.46 | 16.35 | 19.11 | 31.85 | 14.41 | 17.76 | 24.41 | 34.14 | 13.12 | 31.18 | 4.96 | 22.88 | 26.61 |
| 360 | 18.50 | 15.20 | 12.88 | 17.09 | 14.10 | 18.29 | 23.02 | 10.60 | 5.90 | 11.15 | 9.83 | 19.87 | 41.26 |
| Avg. | 21.98 | 16.88 | 33.79 | 20.81 | 21.09 | 16.49 | 17.55 | 20.79 | 36.67 | 32.69 | 12.41 | 42.61 | 32.91 |
| | Peak Value | 56.534 | Minimum Value | 0.610 | | | | | | | | | |

Test = 2.440GHz

| Horizontal + Vertical | | | | | | | | | | | | | |
|-----------------------|-------------------|-------|-------|----------------------|---------|-------|-------|-------|-------|--------|--------|--------|-------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | -5.53 | -9.01 | -8.75 | -8.63 | -9.08 | -6.07 | -3.53 | -6.73 | -7.01 | -5.19 | -13.29 | -5.79 | -4.32 |
| 15 | -6.01 | -8.77 | -8.13 | -7.77 | -7.40 | -6.56 | -4.39 | -5.92 | -5.26 | -5.04 | -13.87 | -5.34 | -4.24 |
| 30 | -6.32 | -8.03 | -7.20 | -6.64 | -5.90 | -6.51 | -5.21 | -4.53 | -3.59 | -4.84 | -12.23 | -5.75 | -4.63 |
| 45 | -6.17 | -6.98 | -6.11 | -5.25 | -4.90 | -5.13 | -4.20 | -3.40 | -2.39 | -4.70 | -9.31 | -6.98 | -5.17 |
| 60 | -5.89 | -6.01 | -5.15 | -3.95 | -4.18 | -3.22 | -2.53 | -3.11 | -1.13 | -3.50 | -6.81 | -8.52 | -5.68 |
| 75 | -5.66 | -5.21 | -4.48 | -3.30 | -3.73 | -1.89 | -1.80 | -3.07 | -0.34 | -2.21 | -4.94 | -10.32 | -5.91 |
| 90 | -5.36 | -4.50 | -4.00 | -3.50 | -3.31 | -0.79 | -1.43 | -2.11 | 0.12 | -2.11 | -3.76 | -12.06 | -6.01 |
| 105 | -5.12 | -3.91 | -3.85 | -4.20 | -2.40 | -0.05 | -1.30 | -1.68 | -0.64 | -3.19 | -3.43 | -12.78 | -5.69 |
| 120 | -5.10 | -3.43 | -3.58 | -4.54 | -1.37 | -0.10 | -2.34 | -2.44 | -2.46 | -5.25 | -3.83 | -12.75 | -4.90 |
| 135 | -5.12 | -3.35 | -3.53 | -4.17 | -0.88 | -1.10 | -3.45 | -3.12 | -4.22 | -8.22 | -5.28 | -12.56 | -4.34 |
| 150 | -5.14 | -3.50 | -3.56 | -3.56 | -1.20 | -2.36 | -3.50 | -3.05 | -5.69 | -12.44 | -7.12 | -11.81 | -4.05 |
| 165 | -5.16 | -3.59 | -3.50 | -3.19 | -1.64 | -3.13 | -3.20 | -2.71 | -6.39 | -16.75 | -7.98 | -10.70 | -4.23 |
| 180 | -5.26 | -3.84 | -3.42 | -3.03 | -1.91 | -3.16 | -3.03 | -2.51 | -5.57 | -10.61 | -6.42 | -9.59 | -4.66 |
| 195 | -5.38 | -3.89 | -3.39 | -3.36 | -1.75 | -2.50 | -2.91 | -2.39 | -4.01 | -8.48 | -4.28 | -9.87 | -4.90 |
| 210 | -5.31 | -3.87 | -3.46 | -3.84 | -1.57 | -1.49 | -2.17 | -1.91 | -2.57 | -5.39 | -2.71 | -10.88 | -4.92 |
| 225 | -5.14 | -3.84 | -3.61 | -3.78 | -1.84 | -0.78 | -0.96 | -0.84 | -1.57 | -3.04 | -1.90 | -12.68 | -4.51 |
| 240 | -5.00 | -4.01 | -3.81 | -3.07 | -2.23 | -0.68 | -0.76 | -0.19 | -0.90 | -1.92 | -1.65 | -13.95 | -3.91 |
| 255 | -4.77 | -4.25 | -4.26 | -2.40 | -2.15 | -0.92 | -1.17 | -1.61 | -0.82 | -1.91 | -2.09 | -12.47 | -3.50 |
| 270 | -4.44 | -4.52 | -4.75 | -2.66 | -2.25 | -1.62 | -0.80 | -2.39 | -1.87 | -3.01 | -3.20 | -10.31 | -3.67 |
| 285 | -4.22 | -5.02 | -5.46 | -3.91 | -3.47 | -3.37 | -1.31 | -1.84 | -2.89 | -4.68 | -4.79 | -9.20 | -4.13 |
| 300 | -4.16 | -5.63 | -6.42 | -5.37 | -5.08 | -6.26 | -3.37 | -1.88 | -3.26 | -5.77 | -7.00 | -8.43 | -4.73 |
| 315 | -4.33 | -6.56 | -7.53 | -6.78 | -6.49 | -6.83 | -5.03 | -3.12 | -3.97 | -5.98 | -9.54 | -7.61 | -5.03 |
| 330 | -4.79 | -7.80 | -8.63 | -8.11 | -8.05 | -6.01 | -4.42 | -4.73 | -5.70 | -5.76 | -11.45 | -6.87 | -4.95 |
| 345 | -5.26 | -8.67 | -9.03 | -8.85 | -9.44 | -5.71 | -3.55 | -6.11 | -7.46 | -5.43 | -12.71 | -6.25 | -4.78 |
| 360 | -5.53 | -9.01 | -8.75 | -8.63 | -9.08 | -6.07 | -3.53 | -6.73 | -7.01 | -5.19 | -13.29 | -5.79 | -4.32 |
| Avg. | -5.33 | -5.16 | -5.04 | -4.55 | -3.39 | -2.80 | -2.74 | -2.89 | -2.98 | -4.86 | -5.49 | -9.14 | -4.83 |
| | Peak Value | 0.124 | | Minimum Value | -16.752 | | | | | | | | |

| Horizontal | | | | | | | | | | | | | |
|-----------------|-------------------|--------|--------|----------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | -5.63 | -9.40 | -9.23 | -9.05 | -9.24 | -6.12 | -3.74 | -7.14 | -7.95 | -5.72 | -13.84 | -7.04 | -5.29 |
| 15 | -6.67 | -10.66 | -9.32 | -8.53 | -8.57 | -7.18 | -4.73 | -7.93 | -9.17 | -7.41 | -14.59 | -8.15 | -6.26 |
| 30 | -8.30 | -12.26 | -9.46 | -7.78 | -8.59 | -8.78 | -6.39 | -8.78 | -12.88 | -11.28 | -13.86 | -10.80 | -8.38 |
| 45 | -10.63 | -14.29 | -10.04 | -7.25 | -9.30 | -10.35 | -7.71 | -10.44 | -26.54 | -14.69 | -11.69 | -16.06 | -12.36 |
| 60 | -14.45 | -16.92 | -11.75 | -7.52 | -10.29 | -11.39 | -9.22 | -16.61 | -8.70 | -8.57 | -10.06 | -23.12 | -21.68 |
| 75 | -19.60 | -19.06 | -16.55 | -9.32 | -12.60 | -13.75 | -13.25 | -15.00 | -4.47 | -5.40 | -9.18 | -19.20 | -21.71 |
| 90 | -16.62 | -15.07 | -24.95 | -13.85 | -15.61 | -11.43 | -9.77 | -6.69 | -2.60 | -5.41 | -8.71 | -17.03 | -12.58 |
| 105 | -11.57 | -10.72 | -13.74 | -17.69 | -9.62 | -6.46 | -5.83 | -4.70 | -3.42 | -8.10 | -8.26 | -16.30 | -8.55 |
| 120 | -8.91 | -7.38 | -8.07 | -10.18 | -5.36 | -4.34 | -5.21 | -5.03 | -5.83 | -13.84 | -7.69 | -15.86 | -5.92 |
| 135 | -7.15 | -5.55 | -5.47 | -6.26 | -3.13 | -3.55 | -4.81 | -4.61 | -6.99 | -19.19 | -7.62 | -14.37 | -4.59 |
| 150 | -6.02 | -4.43 | -4.14 | -4.17 | -2.05 | -3.19 | -3.79 | -3.42 | -6.80 | -17.82 | -7.76 | -12.42 | -4.06 |
| 165 | -5.47 | -3.85 | -3.56 | -3.24 | -1.74 | -3.17 | -3.22 | -2.75 | -6.41 | -16.82 | -8.17 | -10.88 | -4.35 |
| 180 | -5.54 | -4.11 | -3.60 | -3.30 | -2.04 | -3.55 | -3.44 | -2.93 | -6.55 | -17.51 | -8.68 | -10.29 | -5.43 |
| 195 | -6.29 | -4.95 | -4.39 | -4.54 | -2.80 | -4.34 | -4.28 | -3.76 | -7.70 | -20.24 | -8.90 | -11.03 | -7.21 |
| 210 | -7.70 | -6.51 | -6.26 | -7.26 | -4.27 | -4.87 | -4.49 | -4.15 | -8.93 | -18.75 | -8.98 | -12.84 | -10.16 |
| 225 | -10.06 | -9.24 | -9.66 | -11.48 | -7.20 | -5.88 | -3.49 | -2.94 | -7.11 | -11.95 | -8.75 | -15.21 | -15.21 |
| 240 | -14.84 | -14.45 | -14.89 | -11.70 | -12.14 | -9.94 | -4.37 | -2.09 | -4.21 | -8.08 | -7.74 | -17.77 | -26.90 |
| 255 | -29.38 | -28.81 | -14.11 | -7.94 | -9.68 | -14.58 | -9.93 | -5.26 | -3.34 | -6.81 | -6.76 | -21.49 | -16.65 |
| 270 | -17.13 | -17.96 | -10.36 | -6.48 | -7.36 | -8.78 | -8.05 | -11.90 | -5.88 | -8.32 | -6.53 | -20.29 | -11.68 |
| 285 | -11.04 | -12.68 | -8.40 | -6.34 | -7.67 | -8.23 | -5.00 | -9.31 | -13.61 | -12.35 | -7.26 | -15.06 | -8.39 |
| 300 | -7.92 | -10.18 | -7.68 | -6.67 | -8.47 | -9.25 | -5.16 | -5.89 | -19.44 | -13.50 | -9.10 | -10.87 | -6.61 |
| 315 | -6.20 | -9.17 | -7.85 | -7.39 | -8.80 | -8.08 | -5.50 | -5.61 | -10.70 | -9.12 | -11.71 | -8.30 | -5.57 |
| 330 | -5.48 | -8.83 | -8.64 | -8.30 | -9.23 | -6.42 | -4.56 | -5.96 | -8.40 | -6.43 | -13.73 | -6.89 | -5.00 |
| 345 | -5.33 | -8.85 | -9.14 | -8.91 | -9.64 | -5.76 | -3.71 | -6.39 | -7.83 | -5.43 | -14.05 | -6.47 | -4.98 |
| 360 | -5.63 | -9.40 | -9.23 | -9.05 | -9.24 | -6.12 | -3.74 | -7.14 | -7.95 | -5.72 | -13.84 | -7.04 | -5.29 |
| Avg. | -8.40 | -8.77 | -8.07 | -7.35 | -6.49 | -6.64 | -5.44 | -5.68 | -6.99 | -9.40 | -9.30 | -11.68 | -7.67 |
| | Peak Value | -1.739 | | Minimum Value | -29.385 | | | | | | | | |

| Vertical | | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -21.69 | -19.66 | -18.50 | -18.91 | -23.49 | -25.16 | -16.91 | -17.26 | -14.13 | -14.54 | -22.56 | -11.82 | -11.31 | |
| 15 | -14.57 | -13.28 | -14.36 | -15.73 | -13.65 | -15.28 | -15.51 | -10.23 | -7.53 | -8.81 | -22.05 | -8.57 | -8.53 | |
| 30 | -10.69 | -10.08 | -11.12 | -13.00 | -9.26 | -10.41 | -11.44 | -6.58 | -4.14 | -5.96 | -17.30 | -7.39 | -7.00 | |
| 45 | -8.09 | -7.88 | -8.36 | -9.59 | -6.85 | -6.68 | -6.75 | -4.36 | -2.41 | -5.16 | -13.05 | -7.55 | -6.09 | |
| 60 | -6.54 | -6.38 | -6.22 | -6.46 | -5.40 | -3.94 | -3.58 | -3.31 | -1.96 | -5.11 | -9.59 | -8.68 | -5.79 | |
| 75 | -5.84 | -5.39 | -4.76 | -4.55 | -4.34 | -2.18 | -2.12 | -3.36 | -2.47 | -5.05 | -7.00 | -10.92 | -6.02 | |
| 90 | -5.70 | -4.89 | -4.04 | -3.92 | -3.58 | -1.18 | -2.11 | -3.97 | -3.19 | -4.85 | -5.44 | -13.72 | -7.09 | |
| 105 | -6.23 | -4.92 | -4.32 | -4.40 | -3.31 | -1.18 | -3.18 | -4.68 | -3.89 | -4.88 | -5.16 | -15.34 | -8.85 | |
| 120 | -7.43 | -5.67 | -5.49 | -5.93 | -3.59 | -2.15 | -5.49 | -5.91 | -5.13 | -5.89 | -6.13 | -15.67 | -11.67 | |
| 135 | -9.39 | -7.37 | -7.96 | -8.35 | -4.81 | -4.75 | -9.18 | -8.49 | -7.50 | -8.58 | -9.07 | -17.22 | -16.89 | |
| 150 | -12.50 | -10.65 | -12.59 | -12.40 | -8.70 | -9.92 | -15.40 | -13.85 | -12.15 | -13.93 | -15.76 | -20.64 | -29.99 | |
| 165 | -16.83 | -15.86 | -22.09 | -22.12 | -18.12 | -23.85 | -26.43 | -22.37 | -29.40 | -35.06 | -21.70 | -24.53 | -19.80 | |
| 180 | -17.21 | -16.15 | -17.31 | -15.23 | -17.29 | -13.76 | -13.47 | -12.88 | -12.52 | -11.61 | -10.33 | -17.85 | -12.53 | |
| 195 | -12.66 | -10.53 | -10.24 | -9.58 | -8.41 | -7.11 | -8.60 | -8.07 | -6.43 | -8.78 | -6.12 | -16.18 | -8.73 | |
| 210 | -9.05 | -7.29 | -6.70 | -6.47 | -4.92 | -4.17 | -6.00 | -5.86 | -3.72 | -5.60 | -3.88 | -15.28 | -6.47 | |
| 225 | -6.84 | -5.32 | -4.85 | -4.59 | -3.33 | -2.39 | -4.51 | -5.02 | -2.99 | -3.64 | -2.90 | -16.23 | -4.90 | |
| 240 | -5.48 | -4.42 | -4.16 | -3.71 | -2.69 | -1.23 | -3.23 | -4.71 | -3.64 | -3.12 | -2.88 | -16.27 | -3.94 | |
| 255 | -4.78 | -4.27 | -4.73 | -3.82 | -2.99 | -1.11 | -1.79 | -4.07 | -4.38 | -3.61 | -3.90 | -13.05 | -3.72 | |
| 270 | -4.68 | -4.72 | -6.15 | -4.99 | -3.86 | -2.55 | -1.70 | -2.90 | -4.06 | -4.53 | -5.92 | -10.77 | -4.42 | |
| 285 | -5.24 | -5.83 | -8.54 | -7.59 | -5.54 | -5.09 | -3.73 | -2.70 | -3.27 | -5.50 | -8.42 | -10.51 | -6.18 | |
| 300 | -6.54 | -7.50 | -12.42 | -11.23 | -7.75 | -9.29 | -8.09 | -4.07 | -3.36 | -6.58 | -11.15 | -12.09 | -9.27 | |
| 315 | -8.90 | -10.01 | -18.98 | -15.55 | -10.34 | -12.84 | -14.96 | -6.73 | -5.01 | -8.86 | -13.59 | -15.89 | -14.32 | |
| 330 | -13.16 | -14.54 | -33.96 | -22.01 | -14.30 | -16.38 | -19.40 | -10.80 | -9.04 | -14.24 | -15.35 | -29.73 | -24.40 | |
| 345 | -22.87 | -22.77 | -25.11 | -27.27 | -23.00 | -25.16 | -18.06 | -18.30 | -18.36 | -39.07 | -18.48 | -19.46 | -18.18 | |
| 360 | -21.69 | -19.66 | -18.50 | -18.91 | -23.49 | -25.16 | -16.91 | -17.26 | -14.13 | -14.54 | -22.56 | -11.82 | -11.31 | |
| Avg. | -8.29 | -7.65 | -8.02 | -7.78 | -6.32 | -5.11 | -6.09 | -6.14 | -5.17 | -6.74 | -7.82 | -12.68 | -8.02 | |
| | Peak Value | -1.106 | Minimum Value | -39.066 | | | | | | | | | | |

| RHCP | | | | | | | | | | | | | | |
|-----------------|-------------------|--------------|----------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -9.31 | -14.12 | -14.80 | -12.25 | -13.93 | -10.06 | -6.73 | -12.89 | -16.12 | -11.31 | -19.75 | -8.40 | -7.48 | |
| 15 | -10.10 | -14.53 | -15.11 | -12.84 | -16.90 | -14.27 | -9.33 | -15.99 | -22.08 | -13.83 | -16.94 | -7.88 | -7.16 | |
| 30 | -10.81 | -14.02 | -14.10 | -15.76 | -28.38 | -25.47 | -16.46 | -18.21 | -10.67 | -10.24 | -13.13 | -8.76 | -7.73 | |
| 45 | -11.17 | -12.93 | -11.92 | -21.42 | -18.36 | -12.76 | -15.33 | -13.34 | -5.32 | -6.29 | -9.45 | -10.93 | -8.61 | |
| 60 | -11.03 | -11.72 | -9.54 | -13.98 | -10.47 | -6.71 | -8.11 | -8.11 | -1.69 | -3.66 | -6.81 | -13.49 | -9.26 | |
| 75 | -10.73 | -10.39 | -7.58 | -8.80 | -6.82 | -3.88 | -4.44 | -4.45 | -0.41 | -2.29 | -5.15 | -15.05 | -9.32 | |
| 90 | -10.40 | -9.40 | -6.30 | -6.55 | -4.83 | -1.88 | -2.17 | -2.26 | 0.06 | -2.24 | -4.40 | -15.12 | -9.32 | |
| 105 | -10.15 | -8.75 | -5.91 | -5.73 | -3.06 | -0.68 | -1.40 | -1.73 | -0.68 | -3.39 | -4.51 | -14.73 | -9.08 | |
| 120 | -10.28 | -8.28 | -5.79 | -5.29 | -1.92 | -0.52 | -2.41 | -2.45 | -2.51 | -5.99 | -5.33 | -14.74 | -8.28 | |
| 135 | -10.59 | -8.52 | -6.18 | -5.14 | -1.52 | -1.65 | -4.06 | -3.44 | -4.95 | -10.28 | -6.88 | -15.34 | -7.79 | |
| 150 | -10.68 | -8.83 | -6.76 | -5.40 | -2.37 | -3.46 | -5.17 | -4.27 | -7.87 | -17.20 | -9.05 | -15.91 | -7.29 | |
| 165 | -10.67 | -8.91 | -7.21 | -6.64 | -3.88 | -5.42 | -5.94 | -5.19 | -9.89 | -20.55 | -11.69 | -15.84 | -7.10 | |
| 180 | -10.68 | -8.53 | -7.54 | -8.64 | -6.30 | -7.51 | -7.27 | -6.62 | -9.40 | -11.82 | -12.66 | -15.25 | -7.17 | |
| 195 | -10.34 | -7.91 | -8.06 | -12.32 | -9.82 | -10.86 | -10.70 | -9.60 | -8.75 | -11.06 | -11.71 | -15.45 | -7.30 | |
| 210 | -9.64 | -7.44 | -8.83 | -17.95 | -13.78 | -15.10 | -20.05 | -19.37 | -9.87 | -10.39 | -10.42 | -16.13 | -7.36 | |
| 225 | -9.19 | -7.28 | -9.71 | -12.77 | -13.53 | -13.66 | -20.83 | -13.46 | -14.37 | -10.53 | -10.35 | -16.56 | -7.33 | |
| 240 | -8.75 | -7.46 | -9.94 | -7.49 | -8.86 | -8.19 | -18.76 | -9.86 | -17.02 | -10.59 | -12.18 | -15.50 | -7.37 | |
| 255 | -8.30 | -7.65 | -9.55 | -4.91 | -5.32 | -4.62 | -7.56 | -14.28 | -16.25 | -11.57 | -16.71 | -13.40 | -7.44 | |
| 270 | -7.66 | -7.83 | -8.67 | -4.26 | -4.06 | -3.45 | -2.65 | -7.49 | -21.28 | -14.77 | -26.25 | -11.78 | -7.78 | |
| 285 | -7.38 | -8.40 | -8.18 | -4.72 | -4.15 | -4.34 | -1.86 | -2.62 | -9.26 | -13.22 | -26.82 | -11.39 | -8.47 | |
| 300 | -7.23 | -9.17 | -8.58 | -5.91 | -5.14 | -6.34 | -3.61 | -1.92 | -5.29 | -8.94 | -25.25 | -11.35 | -9.13 | |
| 315 | -7.39 | -10.35 | -9.69 | -7.58 | -6.58 | -7.17 | -6.01 | -3.40 | -4.45 | -7.03 | -27.41 | -10.57 | -9.06 | |
| 330 | -7.84 | -11.89 | -11.63 | -9.68 | -8.66 | -7.22 | -6.40 | -6.03 | -5.83 | -7.00 | -30.02 | -9.69 | -8.65 | |
| 345 | -8.53 | -13.05 | -13.49 | -11.51 | -11.42 | -7.96 | -6.00 | -9.19 | -9.09 | -8.30 | -24.44 | -9.05 | -8.38 | |
| 360 | -9.31 | -14.12 | -14.80 | -12.25 | -13.93 | -10.06 | -6.73 | -12.89 | -16.12 | -11.31 | -19.75 | -8.40 | -7.48 | |
| Avg. | -9.51 | -9.54 | -8.82 | -7.96 | -6.27 | -5.50 | -5.79 | -5.96 | -5.78 | -7.82 | -9.98 | -12.26 | -8.18 | |
| | Peak Value | 0.060 | Minimum Value | -30.018 | | | | | | | | | | |

| LHCP | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|-------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | -7.89 | -10.61 | -9.99 | -11.10 | -10.81 | -8.28 | -6.36 | -7.94 | -7.58 | -6.40 | -14.40 | -9.25 | -7.19 |
| 15 | -8.16 | -10.11 | -9.11 | -9.39 | -7.91 | -7.36 | -6.06 | -6.37 | -5.35 | -5.66 | -16.82 | -8.88 | -7.34 |
| 30 | -8.23 | -9.29 | -8.19 | -7.21 | -5.93 | -6.56 | -5.55 | -4.72 | -4.54 | -6.32 | -19.53 | -8.77 | -7.55 |
| 45 | -7.81 | -8.26 | -7.43 | -5.36 | -5.10 | -5.95 | -4.54 | -3.87 | -5.48 | -9.83 | -24.21 | -9.22 | -7.78 |
| 60 | -7.48 | -7.37 | -7.12 | -4.40 | -5.35 | -5.80 | -3.94 | -4.76 | -10.28 | -17.79 | -35.73 | -10.19 | -8.19 |
| 75 | -7.28 | -6.77 | -7.40 | -4.74 | -6.67 | -6.22 | -5.21 | -8.71 | -18.53 | -19.95 | -18.25 | -12.10 | -8.55 |
| 90 | -6.99 | -6.19 | -7.86 | -6.47 | -8.62 | -7.35 | -9.45 | -16.82 | -18.20 | -17.41 | -12.39 | -15.02 | -8.74 |
| 105 | -6.75 | -5.64 | -8.07 | -9.49 | -10.91 | -8.78 | -17.80 | -20.96 | -21.21 | -16.69 | -10.01 | -17.21 | -8.36 |
| 120 | -6.66 | -5.15 | -7.58 | -12.55 | -10.61 | -10.43 | -20.05 | -28.27 | -21.73 | -13.31 | -9.19 | -17.10 | -7.56 |
| 135 | -6.57 | -4.93 | -6.93 | -11.17 | -9.54 | -10.30 | -12.34 | -14.59 | -12.36 | -12.46 | -10.37 | -15.80 | -6.95 |
| 150 | -6.56 | -5.00 | -6.38 | -8.20 | -7.49 | -8.86 | -8.45 | -9.13 | -9.72 | -14.21 | -11.58 | -13.95 | -6.84 |
| 165 | -6.60 | -5.10 | -5.91 | -5.80 | -5.60 | -7.00 | -6.49 | -6.32 | -8.96 | -19.10 | -10.39 | -12.29 | -7.38 |
| 180 | -6.72 | -5.65 | -5.54 | -4.43 | -3.88 | -5.15 | -5.09 | -4.64 | -7.89 | -16.78 | -7.59 | -10.96 | -8.24 |
| 195 | -7.06 | -6.08 | -5.20 | -3.95 | -2.48 | -3.18 | -3.70 | -3.31 | -5.78 | -11.96 | -5.15 | -11.28 | -8.61 |
| 210 | -7.31 | -6.39 | -4.95 | -4.01 | -1.84 | -1.69 | -2.24 | -1.99 | -3.47 | -7.04 | -3.52 | -12.42 | -8.59 |
| 225 | -7.32 | -6.46 | -4.83 | -4.36 | -2.15 | -1.01 | -1.00 | -1.09 | -1.80 | -3.89 | -2.57 | -14.97 | -7.73 |
| 240 | -7.38 | -6.62 | -5.02 | -5.02 | -3.29 | -1.52 | -0.83 | -0.69 | -1.01 | -2.55 | -2.05 | -19.17 | -6.52 |
| 255 | -7.31 | -6.91 | -5.78 | -5.97 | -5.00 | -3.32 | -2.31 | -1.85 | -0.94 | -2.41 | -2.24 | -19.62 | -5.75 |
| 270 | -7.25 | -7.25 | -7.01 | -7.78 | -6.94 | -6.26 | -5.39 | -3.99 | -1.92 | -3.31 | -3.22 | -15.74 | -5.81 |
| 285 | -7.09 | -7.68 | -8.78 | -11.62 | -11.84 | -10.37 | -10.56 | -9.70 | -4.03 | -5.34 | -4.82 | -13.23 | -6.13 |
| 300 | -7.11 | -8.17 | -10.50 | -14.67 | -23.81 | -23.61 | -16.06 | -21.52 | -7.54 | -8.64 | -7.06 | -11.53 | -6.69 |
| 315 | -7.29 | -8.90 | -11.59 | -14.49 | -23.44 | -18.01 | -12.00 | -15.16 | -13.76 | -12.65 | -9.61 | -10.66 | -7.21 |
| 330 | -7.77 | -9.94 | -11.64 | -13.30 | -16.85 | -12.13 | -8.80 | -10.58 | -20.77 | -11.81 | -11.52 | -10.08 | -7.36 |
| 345 | -8.03 | -10.65 | -10.96 | -12.24 | -13.81 | -9.64 | -7.21 | -9.06 | -12.52 | -8.59 | -13.01 | -9.49 | -7.27 |
| 360 | -7.89 | -10.61 | -9.99 | -11.10 | -10.81 | -8.28 | -6.36 | -7.94 | -7.58 | -6.40 | -14.40 | -9.25 | -7.19 |
| Avg. | -7.43 | -7.14 | -7.39 | -7.20 | -6.54 | -6.14 | -5.71 | -5.84 | -6.21 | -7.92 | -7.40 | -12.04 | -7.52 |
| | Peak Value | -0.689 | Minimum Value | | -35.735 | | | | | | | | |

| AR | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|-------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | 21.77 | 14.02 | 11.36 | 23.61 | 15.00 | 19.83 | 33.43 | 11.15 | 6.83 | 11.20 | 10.49 | 26.18 | 35.53 |
| 15 | 19.05 | 12.07 | 9.56 | 14.15 | 6.46 | 8.45 | 14.60 | 5.96 | 2.55 | 7.16 | 43.19 | 24.85 | 39.57 |
| 30 | 16.61 | 11.51 | 9.69 | 6.82 | 1.31 | 1.98 | 5.09 | 3.73 | 9.41 | 13.08 | 9.05 | 71.40 | 39.78 |
| 45 | 14.37 | 11.61 | 11.94 | 2.76 | 3.83 | 8.56 | 5.17 | 6.08 | 41.16 | 13.95 | 3.21 | 20.14 | 26.42 |
| 60 | 13.90 | 12.21 | 17.18 | 6.00 | 10.86 | 25.68 | 12.55 | 14.41 | 6.78 | 3.46 | 0.62 | 14.52 | 24.28 |
| 75 | 14.15 | 13.75 | 39.50 | 12.80 | 41.81 | 17.45 | 27.03 | 12.38 | 2.17 | 2.29 | 3.91 | 15.49 | 27.01 |
| 90 | 14.25 | 14.76 | 20.96 | 46.91 | 13.35 | 10.31 | 8.04 | 3.29 | 2.13 | 3.06 | 7.33 | 45.42 | 29.64 |
| 105 | 14.28 | 15.03 | 18.16 | 13.43 | 7.46 | 7.23 | 2.65 | 1.91 | 1.64 | 3.82 | 10.27 | 16.97 | 27.65 |
| 120 | 13.74 | 15.00 | 19.76 | 8.07 | 6.71 | 5.75 | 2.29 | 0.89 | 1.91 | 7.99 | 13.20 | 17.37 | 27.74 |
| 135 | 12.86 | 13.83 | 27.26 | 9.53 | 7.30 | 6.74 | 7.06 | 4.94 | 7.91 | 18.08 | 14.05 | 31.58 | 26.26 |
| 150 | 12.66 | 13.27 | 33.29 | 15.93 | 10.84 | 10.43 | 14.60 | 11.29 | 19.51 | 15.36 | 16.80 | 19.01 | 31.57 |
| 165 | 12.77 | 13.31 | 22.52 | 26.25 | 20.11 | 20.89 | 30.05 | 23.72 | 25.37 | 21.58 | 22.50 | 13.90 | 35.67 |
| 180 | 13.00 | 15.70 | 18.81 | 12.48 | 17.20 | 17.38 | 18.06 | 18.88 | 21.25 | 11.11 | 10.95 | 12.32 | 24.23 |
| 195 | 14.58 | 19.55 | 15.76 | 6.97 | 7.98 | 7.64 | 8.36 | 9.19 | 15.42 | 25.69 | 8.86 | 12.57 | 22.50 |
| 210 | 17.47 | 24.35 | 13.16 | 3.54 | 4.49 | 3.77 | 2.25 | 2.36 | 9.05 | 14.41 | 8.46 | 13.53 | 23.04 |
| 225 | 19.39 | 26.46 | 11.26 | 6.95 | 4.80 | 4.13 | 1.78 | 4.26 | 4.17 | 8.77 | 7.53 | 20.79 | 32.75 |
| 240 | 22.06 | 26.29 | 11.18 | 16.99 | 10.17 | 8.73 | 2.22 | 6.31 | 2.77 | 7.29 | 5.60 | 13.61 | 26.17 |
| 255 | 24.93 | 27.37 | 13.39 | 24.35 | 34.80 | 22.55 | 10.64 | 4.24 | 3.01 | 6.31 | 3.32 | 9.27 | 20.31 |
| 270 | 32.57 | 29.50 | 20.41 | 13.97 | 15.69 | 15.92 | 16.10 | 14.02 | 1.88 | 4.76 | 1.23 | 13.00 | 18.95 |
| 285 | 35.51 | 27.76 | 29.25 | 8.46 | 7.62 | 9.54 | 6.69 | 8.27 | 10.68 | 7.43 | 1.38 | 19.56 | 17.45 |
| 300 | 43.28 | 24.82 | 19.14 | 6.64 | 2.03 | 2.39 | 4.23 | 1.83 | 17.81 | 35.31 | 2.15 | 39.72 | 17.12 |
| 315 | 44.97 | 21.58 | 19.25 | 8.45 | 2.51 | 5.13 | 9.57 | 4.59 | 6.20 | 10.09 | 2.25 | 45.50 | 19.47 |
| 330 | 47.97 | 19.04 | 68.90 | 13.74 | 7.15 | 11.19 | 17.25 | 11.84 | 3.15 | 11.38 | 2.07 | 33.05 | 22.60 |
| 345 | 30.82 | 17.26 | 16.80 | 27.54 | 17.27 | 20.33 | 23.12 | 42.38 | 14.21 | 35.38 | 4.78 | 32.12 | 23.95 |
| 360 | 21.77 | 14.02 | 11.36 | 23.61 | 15.00 | 19.83 | 33.43 | 11.15 | 6.83 | 11.20 | 10.49 | 26.18 | 35.53 |
| Avg. | 36.92 | 22.21 | 54.93 | 33.09 | 28.71 | 16.52 | 22.27 | 28.51 | 27.42 | 24.85 | 29.29 | 57.44 | 31.43 |
| | Peak Value | 71.396 | Minimum Value | | 0.622 | | | | | | | | |

Test = 2.460GHz

| Horizontal + Vertical | | | | | | | | | | | | | | |
|-----------------------|-------------------|--------------|----------------------|----------------|-------|-------|-------|-------|-------|--------|--------|--------|-------|--|
| Φ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -5.27 | -10.72 | -10.24 | -7.89 | -8.58 | -5.28 | -2.67 | -6.02 | -6.20 | -4.76 | -14.45 | -4.95 | -4.02 | |
| 15 | -5.78 | -10.26 | -9.47 | -7.05 | -7.05 | -6.05 | -3.58 | -5.12 | -4.70 | -4.88 | -14.39 | -4.56 | -3.98 | |
| 30 | -6.05 | -9.11 | -8.25 | -5.97 | -5.82 | -6.51 | -4.55 | -3.83 | -3.37 | -4.96 | -11.91 | -5.08 | -4.34 | |
| 45 | -5.99 | -7.73 | -6.81 | -4.87 | -5.24 | -5.19 | -3.78 | -2.87 | -2.17 | -4.71 | -8.59 | -6.36 | -4.90 | |
| 60 | -5.73 | -6.47 | -5.59 | -3.83 | -4.65 | -2.82 | -2.10 | -2.78 | -0.71 | -3.10 | -5.90 | -8.02 | -5.37 | |
| 75 | -5.46 | -5.33 | -4.60 | -3.24 | -3.68 | -1.21 | -1.47 | -2.68 | 0.31 | -1.60 | -3.98 | -9.79 | -5.69 | |
| 90 | -5.16 | -4.29 | -3.60 | -3.20 | -2.82 | -0.30 | -1.06 | -1.28 | 0.88 | -1.44 | -2.74 | -11.26 | -5.71 | |
| 105 | -4.99 | -3.47 | -3.07 | -3.60 | -1.88 | 0.34 | -0.65 | -0.79 | 0.01 | -2.42 | -2.38 | -11.88 | -5.48 | |
| 120 | -4.99 | -2.97 | -2.71 | -3.63 | -0.91 | 0.37 | -1.37 | -1.58 | -1.73 | -4.33 | -3.01 | -11.53 | -4.66 | |
| 135 | -5.15 | -2.85 | -2.60 | -3.26 | -0.36 | -0.52 | -2.37 | -2.13 | -3.37 | -7.16 | -4.62 | -10.73 | -4.07 | |
| 150 | -5.44 | -3.16 | -2.82 | -2.67 | -0.55 | -1.66 | -2.66 | -1.93 | -4.76 | -11.32 | -6.80 | -9.98 | -3.73 | |
| 165 | -5.65 | -3.59 | -2.98 | -2.28 | -0.95 | -2.42 | -2.42 | -1.48 | -5.51 | -15.52 | -7.78 | -8.67 | -3.87 | |
| 180 | -5.89 | -3.88 | -3.00 | -2.20 | -1.25 | -2.56 | -2.24 | -1.31 | -5.02 | -10.01 | -5.85 | -7.50 | -4.24 | |
| 195 | -6.05 | -4.07 | -2.93 | -2.55 | -1.30 | -1.84 | -2.14 | -1.27 | -3.53 | -6.88 | -3.41 | -7.57 | -4.53 | |
| 210 | -5.89 | -3.92 | -2.85 | -3.13 | -1.29 | -0.86 | -1.46 | -1.02 | -2.02 | -4.19 | -1.69 | -8.63 | -4.56 | |
| 225 | -5.60 | -3.76 | -2.89 | -3.26 | -1.57 | -0.29 | -0.39 | -0.20 | -1.06 | -2.08 | -0.78 | -10.82 | -4.14 | |
| 240 | -5.28 | -3.80 | -3.29 | -2.64 | -1.96 | -0.24 | -0.30 | 0.34 | -0.39 | -1.14 | -0.62 | -13.27 | -3.35 | |
| 255 | -4.88 | -4.09 | -4.08 | -2.18 | -1.93 | -0.48 | -0.79 | -1.21 | -0.41 | -1.22 | -1.13 | -12.48 | -2.88 | |
| 270 | -4.45 | -4.56 | -5.13 | -2.61 | -2.36 | -1.22 | -0.38 | -2.27 | -1.60 | -2.55 | -2.34 | -9.87 | -3.01 | |
| 285 | -4.23 | -5.22 | -6.31 | -3.93 | -3.82 | -3.21 | -0.74 | -1.63 | -2.81 | -4.64 | -4.16 | -8.37 | -3.54 | |
| 300 | -4.17 | -6.09 | -7.54 | -5.11 | -5.33 | -6.16 | -2.69 | -1.32 | -3.21 | -6.16 | -6.47 | -7.63 | -4.19 | |
| 315 | -4.36 | -7.21 | -8.95 | -6.26 | -6.56 | -6.30 | -4.11 | -2.22 | -3.76 | -6.13 | -9.25 | -6.78 | -4.62 | |
| 330 | -4.79 | -8.89 | -10.25 | -7.35 | -7.91 | -5.17 | -3.48 | -3.74 | -5.16 | -5.46 | -11.66 | -6.04 | -4.66 | |
| 345 | -5.07 | -10.21 | -10.55 | -8.05 | -9.14 | -4.90 | -2.64 | -5.13 | -6.56 | -4.86 | -13.29 | -5.43 | -4.38 | |
| 360 | -5.27 | -10.72 | -10.24 | -7.89 | -8.58 | -5.28 | -2.67 | -6.02 | -6.20 | -4.76 | -14.45 | -4.95 | -4.02 | |
| Avg. | -5.40 | -5.23 | -4.86 | -4.03 | -3.10 | -2.29 | -2.10 | -2.16 | -2.46 | -4.30 | -4.66 | -8.13 | -4.44 | |
| | Peak Value | 0.877 | Minimum Value | -15.517 | | | | | | | | | | |

| Horizontal | | | | | | | | | | | | | | |
|------------|-------------------|---------------|----------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Φ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -5.34 | -11.07 | -10.97 | -8.23 | -8.72 | -5.33 | -2.88 | -6.37 | -6.93 | -5.23 | -14.92 | -6.21 | -4.99 | |
| 15 | -6.36 | -12.35 | -11.18 | -7.72 | -8.27 | -6.51 | -3.86 | -7.00 | -8.14 | -7.18 | -14.91 | -7.41 | -6.02 | |
| 30 | -7.85 | -13.43 | -11.31 | -6.89 | -8.52 | -8.33 | -5.45 | -7.81 | -12.08 | -11.76 | -13.33 | -10.01 | -8.08 | |
| 45 | -9.98 | -14.29 | -11.70 | -6.64 | -9.81 | -10.25 | -6.91 | -9.34 | -23.75 | -14.71 | -11.10 | -15.19 | -12.44 | |
| 60 | -13.70 | -15.49 | -13.64 | -7.21 | -11.31 | -11.28 | -8.25 | -15.19 | -7.46 | -8.06 | -9.72 | -21.68 | -22.18 | |
| 75 | -19.20 | -16.56 | -19.88 | -9.22 | -13.24 | -13.02 | -11.77 | -13.93 | -3.59 | -5.13 | -9.02 | -19.32 | -20.66 | |
| 90 | -17.86 | -14.11 | -23.70 | -13.30 | -14.89 | -11.76 | -9.23 | -5.87 | -1.98 | -5.51 | -8.64 | -17.44 | -12.19 | |
| 105 | -12.12 | -10.29 | -12.12 | -14.56 | -9.49 | -6.72 | -5.22 | -3.95 | -3.10 | -8.78 | -8.08 | -17.16 | -8.25 | |
| 120 | -9.19 | -7.15 | -7.10 | -8.63 | -5.00 | -4.07 | -4.26 | -4.19 | -5.43 | -15.48 | -7.51 | -15.67 | -5.64 | |
| 135 | -7.44 | -5.27 | -4.67 | -5.17 | -2.57 | -2.98 | -3.75 | -3.49 | -6.09 | -19.18 | -7.47 | -12.80 | -4.32 | |
| 150 | -6.48 | -4.22 | -3.49 | -3.26 | -1.31 | -2.45 | -2.94 | -2.21 | -5.86 | -16.27 | -7.66 | -10.53 | -3.74 | |
| 165 | -5.98 | -3.87 | -3.05 | -2.34 | -1.02 | -2.45 | -2.44 | -1.51 | -5.53 | -15.53 | -7.98 | -8.91 | -3.99 | |
| 180 | -6.09 | -4.10 | -3.19 | -2.43 | -1.41 | -3.05 | -2.70 | -1.69 | -5.79 | -16.47 | -8.32 | -8.44 | -5.02 | |
| 195 | -6.85 | -5.12 | -4.01 | -3.61 | -2.40 | -3.89 | -3.69 | -2.59 | -7.01 | -19.24 | -8.41 | -8.93 | -6.83 | |
| 210 | -8.31 | -6.68 | -5.88 | -6.09 | -4.17 | -4.59 | -4.07 | -3.37 | -8.55 | -19.11 | -8.28 | -10.82 | -9.83 | |
| 225 | -10.74 | -9.41 | -9.23 | -9.67 | -7.37 | -5.86 | -3.19 | -2.41 | -7.17 | -12.11 | -8.02 | -13.50 | -15.02 | |
| 240 | -15.90 | -14.40 | -15.07 | -10.41 | -12.04 | -10.17 | -4.00 | -1.51 | -4.13 | -7.76 | -7.30 | -16.46 | -25.67 | |
| 255 | -33.77 | -27.21 | -16.45 | -7.48 | -9.24 | -13.18 | -9.38 | -4.60 | -3.16 | -6.32 | -6.32 | -20.08 | -16.07 | |
| 270 | -16.27 | -19.21 | -11.93 | -6.32 | -7.47 | -7.76 | -7.11 | -11.16 | -5.61 | -7.81 | -6.05 | -18.66 | -11.28 | |
| 285 | -10.66 | -13.83 | -9.78 | -6.14 | -8.16 | -7.58 | -3.96 | -8.60 | -13.20 | -12.36 | -6.86 | -13.83 | -8.16 | |
| 300 | -7.76 | -11.39 | -8.89 | -6.21 | -8.85 | -8.39 | -4.10 | -5.00 | -18.08 | -14.31 | -8.65 | -10.01 | -6.19 | |
| 315 | -6.19 | -10.46 | -9.27 | -6.73 | -8.98 | -7.06 | -4.40 | -4.48 | -9.71 | -8.95 | -11.32 | -7.41 | -5.22 | |
| 330 | -5.41 | -10.24 | -10.25 | -7.47 | -9.12 | -5.39 | -3.57 | -4.98 | -7.34 | -5.96 | -13.65 | -6.05 | -4.72 | |
| 345 | -5.13 | -10.40 | -10.73 | -8.09 | -9.37 | -4.93 | -2.78 | -5.46 | -6.80 | -4.86 | -14.47 | -5.67 | -4.60 | |
| 360 | -5.34 | -11.07 | -10.97 | -8.23 | -8.72 | -5.33 | -2.88 | -6.37 | -6.93 | -5.23 | -14.92 | -6.21 | -4.99 | |
| Avg. | -8.51 | -9.00 | -8.18 | -6.56 | -6.15 | -6.10 | -4.64 | -4.74 | -6.39 | -9.15 | -8.98 | -10.57 | -7.35 | |
| | Peak Value | -1.018 | Minimum Value | -33.775 | | | | | | | | | | |

| Vertical | | | | | | | | | | | | | | |
|-----------------|----------------|--------|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -23.23 | -21.83 | -18.38 | -19.11 | -23.57 | -24.80 | -16.00 | -17.11 | -14.29 | -14.57 | -24.30 | -10.94 | -11.01 | |
| 15 | -14.79 | -14.44 | -14.35 | -15.46 | -13.16 | -16.05 | -15.67 | -9.66 | -7.33 | -8.75 | -23.91 | -7.73 | -8.25 | |
| 30 | -10.73 | -11.12 | -11.21 | -13.13 | -9.16 | -11.15 | -11.83 | -6.04 | -4.00 | -5.97 | -17.46 | -6.77 | -6.72 | |
| 45 | -8.20 | -8.82 | -8.51 | -9.64 | -7.10 | -6.82 | -6.66 | -3.99 | -2.20 | -5.16 | -12.18 | -6.97 | -5.75 | |
| 60 | -6.49 | -7.05 | -6.34 | -6.50 | -5.70 | -3.49 | -3.31 | -3.03 | -1.74 | -4.77 | -8.22 | -8.21 | -5.46 | |
| 75 | -5.64 | -5.67 | -4.73 | -4.50 | -4.19 | -1.51 | -1.89 | -3.02 | -1.97 | -4.15 | -5.61 | -10.30 | -5.83 | |
| 90 | -5.40 | -4.77 | -3.65 | -3.64 | -3.10 | -0.63 | -1.78 | -3.14 | -2.29 | -3.60 | -4.03 | -12.46 | -6.82 | |
| 105 | -5.93 | -4.49 | -3.65 | -3.96 | -2.71 | -0.61 | -2.52 | -3.66 | -2.90 | -3.56 | -3.75 | -13.40 | -8.75 | |
| 120 | -7.06 | -5.06 | -4.67 | -5.28 | -3.05 | -1.56 | -4.52 | -5.03 | -4.15 | -4.68 | -4.91 | -13.65 | -11.60 | |
| 135 | -9.02 | -6.54 | -6.83 | -7.75 | -4.36 | -4.17 | -8.00 | -7.85 | -6.69 | -7.44 | -7.81 | -14.96 | -16.70 | |
| 150 | -12.16 | -9.81 | -11.30 | -11.64 | -8.54 | -9.41 | -14.63 | -13.90 | -11.28 | -12.99 | -14.24 | -19.28 | -31.03 | |
| 165 | -17.01 | -15.62 | -21.42 | -20.68 | -19.08 | -23.66 | -27.80 | -22.85 | -28.20 | -40.85 | -21.28 | -21.35 | -19.47 | |
| 180 | -19.43 | -17.08 | -16.71 | -15.10 | -15.85 | -12.32 | -12.18 | -12.09 | -12.94 | -11.13 | -9.49 | -14.64 | -12.09 | |
| 195 | -13.81 | -10.77 | -9.49 | -9.20 | -7.81 | -6.08 | -7.39 | -7.09 | -6.12 | -7.14 | -5.06 | -13.27 | -8.38 | |
| 210 | -9.60 | -7.19 | -5.83 | -6.20 | -4.43 | -3.25 | -4.91 | -4.80 | -3.12 | -4.33 | -2.76 | -12.67 | -6.10 | |
| 225 | -7.18 | -5.14 | -4.04 | -4.39 | -2.90 | -1.70 | -3.62 | -4.19 | -2.27 | -2.54 | -1.69 | -14.19 | -4.52 | |
| 240 | -5.67 | -4.20 | -3.59 | -3.43 | -2.41 | -0.71 | -2.70 | -4.27 | -2.78 | -2.21 | -1.66 | -16.10 | -3.38 | |
| 255 | -4.88 | -4.12 | -4.34 | -3.69 | -2.83 | -0.72 | -1.44 | -3.88 | -3.70 | -2.82 | -2.70 | -13.31 | -3.09 | |
| 270 | -4.75 | -4.71 | -6.15 | -5.02 | -3.96 | -2.31 | -1.42 | -2.86 | -3.79 | -4.09 | -4.75 | -10.49 | -3.71 | |
| 285 | -5.36 | -5.86 | -8.90 | -7.91 | -5.82 | -5.19 | -3.55 | -2.61 | -3.23 | -5.44 | -7.49 | -9.83 | -5.38 | |
| 300 | -6.67 | -7.62 | -13.28 | -11.62 | -7.88 | -10.11 | -8.27 | -3.75 | -3.36 | -6.88 | -10.50 | -11.39 | -8.51 | |
| 315 | -9.01 | -10.00 | -20.45 | -16.19 | -10.25 | -14.24 | -15.95 | -6.13 | -5.04 | -9.34 | -13.46 | -15.51 | -13.51 | |
| 330 | -13.55 | -14.63 | -42.29 | -22.81 | -14.06 | -18.24 | -20.50 | -9.81 | -9.18 | -15.06 | -16.03 | -31.58 | -23.10 | |
| 345 | -24.00 | -24.04 | -24.59 | -29.09 | -21.95 | -26.96 | -17.38 | -16.49 | -19.30 | -58.57 | -19.54 | -18.22 | -17.40 | |
| 360 | -23.23 | -21.83 | -18.38 | -19.11 | -23.57 | -24.80 | -16.00 | -17.11 | -14.29 | -14.57 | -24.30 | -10.94 | -11.01 | |
| Avg. | -8.32 | -7.59 | -7.59 | -7.58 | -6.06 | -4.64 | -5.63 | -5.64 | -4.72 | -6.03 | -6.66 | -11.79 | -7.57 | |
| | Peak Value | -0.612 | Minimum Value | -58.573 | | | | | | | | | | |

| RHCP | | | | | | | | | | | | | | |
|-----------------|----------------|--------|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -8.59 | -16.05 | -17.26 | -11.10 | -13.00 | -8.75 | -5.36 | -12.10 | -14.46 | -10.88 | -20.19 | -7.90 | -7.20 | |
| 15 | -9.31 | -17.83 | -17.99 | -11.25 | -14.80 | -12.02 | -7.51 | -14.98 | -23.48 | -14.26 | -16.71 | -7.46 | -6.93 | |
| 30 | -9.93 | -17.82 | -16.79 | -13.34 | -19.64 | -21.88 | -13.70 | -17.70 | -10.72 | -10.37 | -12.50 | -8.45 | -7.46 | |
| 45 | -10.37 | -15.96 | -13.63 | -20.26 | -21.22 | -14.27 | -16.37 | -13.74 | -4.91 | -6.07 | -8.64 | -10.78 | -8.33 | |
| 60 | -10.45 | -13.73 | -10.47 | -14.70 | -11.45 | -6.49 | -7.80 | -7.93 | -1.15 | -3.26 | -5.95 | -13.28 | -8.81 | |
| 75 | -10.36 | -11.54 | -7.95 | -8.42 | -6.69 | -3.27 | -4.13 | -4.04 | 0.25 | -1.72 | -4.35 | -14.24 | -8.99 | |
| 90 | -9.89 | -9.86 | -6.14 | -5.69 | -4.28 | -1.51 | -1.81 | -1.46 | 0.81 | -1.63 | -3.60 | -13.99 | -8.90 | |
| 105 | -9.68 | -8.70 | -5.38 | -4.72 | -2.64 | -0.35 | -0.75 | -0.83 | 0.01 | -2.82 | -3.67 | -14.01 | -8.56 | |
| 120 | -9.82 | -7.87 | -5.10 | -4.37 | -1.50 | -0.02 | -1.48 | -1.60 | -1.86 | -5.53 | -4.59 | -14.12 | -7.73 | |
| 135 | -10.21 | -7.80 | -5.43 | -4.46 | -0.99 | -0.98 | -3.10 | -2.61 | -4.29 | -9.98 | -6.16 | -14.46 | -7.29 | |
| 150 | -10.55 | -8.24 | -6.12 | -4.71 | -1.71 | -2.67 | -4.50 | -3.42 | -7.05 | -17.75 | -8.37 | -14.86 | -6.90 | |
| 165 | -10.85 | -8.65 | -6.66 | -5.73 | -3.16 | -4.74 | -5.35 | -4.07 | -8.66 | -18.58 | -10.95 | -14.27 | -6.71 | |
| 180 | -10.98 | -8.31 | -6.92 | -7.42 | -5.57 | -7.22 | -6.63 | -5.22 | -8.38 | -10.83 | -11.92 | -13.10 | -6.72 | |
| 195 | -10.78 | -7.84 | -7.25 | -10.41 | -9.23 | -10.88 | -9.96 | -7.71 | -8.01 | -9.10 | -10.58 | -13.11 | -6.83 | |
| 210 | -9.92 | -7.08 | -7.52 | -15.76 | -13.40 | -15.30 | -20.05 | -16.32 | -8.92 | -8.59 | -9.19 | -13.72 | -6.91 | |
| 225 | -9.31 | -6.66 | -7.93 | -14.22 | -12.52 | -12.73 | -20.79 | -14.43 | -12.54 | -8.93 | -8.80 | -15.11 | -7.00 | |
| 240 | -8.80 | -6.63 | -8.63 | -7.99 | -8.31 | -7.25 | -16.42 | -9.35 | -13.95 | -9.54 | -10.10 | -14.86 | -6.88 | |
| 255 | -8.21 | -6.82 | -9.02 | -5.04 | -5.06 | -3.78 | -6.91 | -13.70 | -14.20 | -10.25 | -13.99 | -13.09 | -6.93 | |
| 270 | -7.47 | -7.13 | -9.00 | -4.25 | -4.04 | -2.79 | -2.08 | -7.48 | -20.00 | -13.43 | -21.47 | -11.17 | -7.27 | |
| 285 | -7.10 | -7.79 | -9.01 | -4.62 | -4.25 | -3.87 | -1.20 | -2.31 | -9.40 | -13.50 | -26.91 | -10.61 | -7.99 | |
| 300 | -6.98 | -8.83 | -9.56 | -5.62 | -5.35 | -6.20 | -2.98 | -1.35 | -5.08 | -9.16 | -23.94 | -10.58 | -8.85 | |
| 315 | -6.99 | -10.04 | -11.07 | -7.22 | -6.94 | -7.10 | -5.37 | -2.61 | -4.11 | -6.97 | -24.17 | -9.91 | -8.91 | |
| 330 | -7.40 | -11.87 | -13.37 | -9.18 | -9.09 | -6.84 | -5.68 | -5.17 | -5.30 | -6.73 | -25.51 | -9.04 | -8.52 | |
| 345 | -7.91 | -13.78 | -15.46 | -10.83 | -11.52 | -7.31 | -5.05 | -8.33 | -8.34 | -7.87 | -22.89 | -8.50 | -8.01 | |
| 360 | -8.59 | -16.05 | -17.26 | -11.10 | -13.00 | -8.75 | -5.36 | -12.10 | -14.46 | -10.88 | -20.19 | -7.90 | -7.20 | |
| Avg. | -9.22 | -9.36 | -8.61 | -7.43 | -5.93 | -4.97 | -5.09 | -5.22 | -5.13 | -7.27 | -9.08 | -11.55 | -7.80 | |
| | Peak Value | 0.812 | Minimum Value | -26.911 | | | | | | | | | | |

| LHCP | | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -8.00 | -12.22 | -11.21 | -10.71 | -10.53 | -7.88 | -6.03 | -7.24 | -6.90 | -5.97 | -15.80 | -8.02 | -6.88 | |
| 15 | -8.33 | -11.09 | -10.13 | -9.12 | -7.85 | -7.32 | -5.84 | -5.59 | -4.76 | -5.41 | -18.23 | -7.68 | -7.05 | |
| 30 | -8.33 | -9.74 | -8.90 | -6.84 | -6.00 | -6.64 | -5.11 | -4.01 | -4.25 | -6.43 | -20.86 | -7.77 | -7.24 | |
| 45 | -7.96 | -8.44 | -7.82 | -5.00 | -5.35 | -5.77 | -4.02 | -3.24 | -5.47 | -10.41 | -27.98 | -8.31 | -7.53 | |
| 60 | -7.52 | -7.37 | -7.31 | -4.21 | -5.66 | -5.27 | -3.46 | -4.36 | -10.93 | -17.65 | -25.24 | -9.56 | -7.98 | |
| 75 | -7.15 | -6.52 | -7.29 | -4.81 | -6.68 | -5.46 | -4.86 | -8.40 | -18.39 | -17.23 | -14.79 | -11.72 | -8.42 | |
| 90 | -6.94 | -5.70 | -7.15 | -6.80 | -8.28 | -6.46 | -9.06 | -15.29 | -17.38 | -15.10 | -10.15 | -14.58 | -8.56 | |
| 105 | -6.80 | -5.03 | -6.93 | -10.01 | -9.85 | -7.98 | -16.97 | -21.14 | -23.29 | -12.91 | -8.27 | -15.99 | -8.42 | |
| 120 | -6.72 | -4.67 | -6.44 | -11.69 | -9.87 | -10.26 | -17.58 | -25.50 | -17.11 | -10.53 | -8.15 | -15.01 | -7.60 | |
| 135 | -6.77 | -4.53 | -5.80 | -9.43 | -9.01 | -10.48 | -10.48 | -11.99 | -10.56 | -10.36 | -9.88 | -13.13 | -6.89 | |
| 150 | -7.05 | -4.77 | -5.57 | -6.94 | -6.88 | -8.46 | -7.27 | -7.30 | -8.64 | -12.44 | -11.98 | -11.69 | -6.59 | |
| 165 | -7.21 | -5.21 | -5.42 | -4.89 | -4.94 | -6.25 | -5.52 | -4.95 | -8.38 | -18.47 | -10.63 | -10.07 | -7.06 | |
| 180 | -7.50 | -5.83 | -5.26 | -3.75 | -3.26 | -4.38 | -4.21 | -3.58 | -7.71 | -17.67 | -7.09 | -8.90 | -7.85 | |
| 195 | -7.84 | -6.44 | -4.93 | -3.32 | -2.06 | -2.42 | -2.93 | -2.39 | -5.45 | -10.86 | -4.33 | -8.99 | -8.37 | |
| 210 | -8.08 | -6.78 | -4.65 | -3.37 | -1.56 | -1.02 | -1.52 | -1.15 | -3.02 | -6.15 | -2.53 | -10.24 | -8.36 | |
| 225 | -8.00 | -6.88 | -4.53 | -3.62 | -1.94 | -0.54 | -0.43 | -0.36 | -1.38 | -3.09 | -1.52 | -12.84 | -7.32 | |
| 240 | -7.83 | -7.00 | -4.79 | -4.13 | -3.11 | -1.21 | -0.40 | -0.16 | -0.59 | -1.82 | -1.13 | -18.39 | -5.89 | |
| 255 | -7.59 | -7.41 | -5.76 | -5.34 | -4.83 | -3.21 | -2.01 | -1.47 | -0.60 | -1.79 | -1.37 | -21.30 | -5.06 | |
| 270 | -7.45 | -8.05 | -7.42 | -7.64 | -7.29 | -6.41 | -5.28 | -3.82 | -1.66 | -2.92 | -2.40 | -15.76 | -5.05 | |
| 285 | -7.39 | -8.72 | -9.66 | -12.23 | -14.15 | -11.73 | -10.70 | -10.04 | -3.89 | -5.25 | -4.18 | -12.33 | -5.47 | |
| 300 | -7.39 | -9.39 | -11.84 | -14.70 | -28.22 | -26.12 | -14.62 | -23.32 | -7.78 | -9.18 | -6.55 | -10.70 | -6.01 | |
| 315 | -7.79 | -10.42 | -13.09 | -13.30 | -17.35 | -14.07 | -10.08 | -12.94 | -14.92 | -13.68 | -9.39 | -9.67 | -6.65 | |
| 330 | -8.24 | -11.94 | -13.14 | -11.98 | -14.15 | -10.13 | -7.49 | -9.27 | -19.97 | -11.40 | -11.85 | -9.06 | -6.96 | |
| 345 | -8.26 | -12.73 | -12.25 | -11.31 | -12.88 | -8.61 | -6.34 | -7.95 | -11.31 | -7.87 | -13.80 | -8.38 | -6.84 | |
| 360 | -8.00 | -12.22 | -11.21 | -10.71 | -10.53 | -7.88 | -6.03 | -7.24 | -6.90 | -5.97 | -15.80 | -8.02 | -6.88 | |
| Avg. | -7.74 | -7.35 | -7.25 | -6.68 | -6.29 | -5.67 | -5.13 | -5.12 | -5.85 | -7.36 | -6.60 | -10.76 | -7.14 | |
| | Peak Value | -0.157 | Minimum Value | -28.224 | | | | | | | | | | |

| AR | | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | 29.35 | 13.27 | 9.50 | 32.98 | 16.99 | 26.03 | 28.22 | 11.28 | 7.75 | 11.21 | 12.12 | 43.02 | 34.70 | |
| 15 | 25.00 | 8.65 | 7.45 | 18.30 | 8.40 | 11.56 | 20.37 | 6.13 | 2.02 | 6.57 | 21.21 | 37.74 | 43.81 | |
| 30 | 20.73 | 7.25 | 7.43 | 8.94 | 3.66 | 3.03 | 6.79 | 3.64 | 8.97 | 13.03 | 6.99 | 28.17 | 38.18 | |
| 45 | 17.21 | 7.79 | 9.83 | 3.03 | 2.82 | 6.86 | 4.27 | 5.35 | 29.90 | 12.23 | 1.88 | 17.02 | 26.71 | |
| 60 | 15.53 | 9.11 | 14.89 | 5.35 | 9.85 | 23.05 | 12.22 | 13.85 | 5.84 | 3.35 | 1.89 | 13.51 | 26.42 | |
| 75 | 14.78 | 11.01 | 28.44 | 13.77 | 65.04 | 18.03 | 27.57 | 12.19 | 2.04 | 2.94 | 5.39 | 16.85 | 29.54 | |
| 90 | 15.48 | 12.58 | 24.70 | 23.89 | 12.92 | 11.14 | 8.07 | 3.59 | 2.15 | 3.74 | 8.88 | 29.42 | 34.10 | |
| 105 | 15.69 | 13.63 | 21.01 | 10.60 | 8.11 | 7.69 | 2.71 | 1.68 | 1.19 | 5.63 | 11.74 | 18.92 | 41.86 | |
| 120 | 15.05 | 14.79 | 22.29 | 8.00 | 6.98 | 5.52 | 2.74 | 1.11 | 3.03 | 11.04 | 13.90 | 25.83 | 42.62 | |
| 135 | 14.16 | 14.61 | 33.49 | 11.10 | 7.30 | 6.06 | 7.93 | 6.14 | 9.21 | 33.14 | 13.53 | 22.30 | 32.64 | |
| 150 | 14.02 | 14.12 | 29.98 | 17.88 | 10.77 | 9.87 | 16.02 | 13.16 | 20.79 | 10.56 | 13.78 | 14.86 | 35.01 | |
| 165 | 13.71 | 14.20 | 22.98 | 26.31 | 19.83 | 21.22 | 40.14 | 25.96 | 35.64 | 44.03 | 34.58 | 12.51 | 33.69 | |
| 180 | 14.09 | 16.94 | 20.43 | 13.64 | 17.57 | 15.80 | 17.18 | 20.51 | 28.32 | 8.53 | 11.33 | 12.51 | 23.77 | |
| 195 | 15.50 | 21.91 | 17.56 | 8.25 | 8.16 | 6.90 | 8.32 | 10.54 | 16.68 | 19.94 | 9.25 | 12.66 | 21.07 | |
| 210 | 19.56 | 35.28 | 15.72 | 4.25 | 4.55 | 3.40 | 2.07 | 3.06 | 9.70 | 17.11 | 8.74 | 14.08 | 21.57 | |
| 225 | 22.51 | 38.14 | 14.26 | 5.29 | 5.29 | 4.36 | 1.67 | 3.49 | 4.93 | 9.79 | 8.04 | 17.73 | 34.80 | |
| 240 | 25.14 | 33.53 | 13.26 | 13.21 | 10.73 | 9.51 | 2.77 | 6.29 | 3.79 | 7.59 | 6.47 | 13.96 | 24.91 | |
| 255 | 28.89 | 29.32 | 14.65 | 35.45 | 37.38 | 29.59 | 11.21 | 4.33 | 3.68 | 6.90 | 4.13 | 7.12 | 19.39 | |
| 270 | 58.03 | 25.53 | 20.86 | 14.31 | 14.66 | 13.74 | 14.79 | 13.64 | 2.11 | 5.35 | 1.94 | 11.77 | 17.94 | |
| 285 | 35.42 | 25.40 | 28.46 | 7.70 | 5.76 | 7.46 | 6.05 | 7.58 | 10.26 | 7.09 | 1.27 | 20.09 | 16.84 | |
| 300 | 32.65 | 29.89 | 17.69 | 6.38 | 1.25 | 1.76 | 4.66 | 1.39 | 16.24 | 59.03 | 2.36 | 42.93 | 15.81 | |
| 315 | 26.71 | 33.08 | 18.71 | 9.47 | 5.41 | 8.38 | 11.55 | 5.46 | 5.15 | 8.68 | 3.21 | 37.17 | 17.73 | |
| 330 | 26.25 | 48.82 | 37.43 | 15.94 | 10.96 | 14.57 | 19.66 | 12.69 | 3.25 | 11.61 | 3.66 | 57.34 | 20.97 | |
| 345 | 34.03 | 24.37 | 14.74 | 31.17 | 22.18 | 22.50 | 22.58 | 33.20 | 15.40 | 71.98 | 6.37 | 42.66 | 23.42 | |
| 360 | 29.35 | 13.27 | 9.50 | 32.98 | 16.99 | 26.03 | 28.22 | 11.28 | 7.75 | 11.21 | 12.12 | 43.02 | 34.70 | |
| Avg. | 44.13 | 35.73 | 26.66 | 24.95 | 51.07 | 19.17 | 26.87 | 20.44 | 23.53 | 58.22 | 21.05 | 43.90 | 35.23 | |
| | Peak Value | 71.976 | Minimum Value | 1.110 | | | | | | | | | | |

Test = 2.485GHz

| Horizontal + Vertical | | | | | | | | | | | | | | |
|-----------------------|-------------------|--------------|----------------------|----------------|-------|-------|-------|-------|-------|--------|--------|--------|-------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -6.61 | -14.69 | -14.65 | -8.70 | -9.54 | -5.86 | -3.33 | -6.48 | -6.67 | -5.64 | -15.79 | -5.36 | -4.85 | |
| 15 | -6.93 | -13.90 | -13.59 | -7.84 | -8.35 | -6.64 | -3.90 | -5.90 | -5.95 | -5.85 | -15.49 | -5.15 | -4.77 | |
| 30 | -7.17 | -12.14 | -11.73 | -6.97 | -7.32 | -7.43 | -5.41 | -4.83 | -4.94 | -6.50 | -13.16 | -5.48 | -5.38 | |
| 45 | -6.93 | -10.42 | -9.93 | -6.38 | -7.20 | -7.24 | -4.96 | -3.71 | -3.49 | -6.45 | -9.62 | -6.71 | -5.87 | |
| 60 | -7.07 | -8.60 | -8.36 | -5.84 | -6.78 | -4.69 | -3.52 | -3.89 | -2.01 | -4.48 | -6.66 | -8.28 | -6.40 | |
| 75 | -7.07 | -7.34 | -6.42 | -5.23 | -5.42 | -2.36 | -2.56 | -3.66 | -0.44 | -2.63 | -4.69 | -10.07 | -6.75 | |
| 90 | -6.78 | -5.84 | -5.13 | -4.59 | -3.73 | -1.27 | -2.05 | -2.11 | 0.12 | -2.13 | -3.32 | -11.80 | -6.94 | |
| 105 | -6.50 | -4.65 | -3.86 | -4.08 | -2.84 | -0.90 | -1.57 | -1.14 | -0.79 | -2.94 | -2.81 | -11.96 | -6.49 | |
| 120 | -6.49 | -4.09 | -3.32 | -3.81 | -2.26 | -0.93 | -1.64 | -1.78 | -2.30 | -4.38 | -3.41 | -11.08 | -6.12 | |
| 135 | -6.81 | -3.95 | -3.09 | -3.43 | -1.65 | -1.22 | -2.40 | -2.45 | -3.81 | -6.84 | -4.88 | -9.94 | -5.45 | |
| 150 | -7.24 | -4.29 | -3.36 | -3.23 | -1.43 | -2.19 | -2.93 | -2.18 | -5.38 | -10.69 | -7.58 | -8.94 | -4.94 | |
| 165 | -7.73 | -5.02 | -3.69 | -2.86 | -1.62 | -2.93 | -2.86 | -1.64 | -5.98 | -15.97 | -9.07 | -7.86 | -4.90 | |
| 180 | -8.23 | -5.56 | -4.01 | -2.72 | -2.00 | -2.95 | -2.70 | -1.42 | -5.91 | -9.52 | -7.49 | -6.46 | -5.09 | |
| 195 | -8.57 | -5.79 | -4.23 | -2.88 | -2.30 | -2.64 | -2.59 | -1.38 | -4.75 | -6.51 | -4.55 | -6.22 | -5.45 | |
| 210 | -8.61 | -5.86 | -3.72 | -3.29 | -2.46 | -1.85 | -2.20 | -1.57 | -3.28 | -4.13 | -2.41 | -7.00 | -5.75 | |
| 225 | -8.23 | -5.51 | -3.41 | -3.63 | -2.76 | -1.36 | -1.27 | -0.92 | -2.10 | -2.59 | -1.21 | -9.04 | -5.31 | |
| 240 | -7.49 | -5.46 | -3.94 | -3.59 | -3.04 | -1.34 | -1.21 | -0.44 | -1.42 | -1.71 | -0.90 | -12.65 | -4.40 | |
| 255 | -7.12 | -5.77 | -5.19 | -3.74 | -3.42 | -1.34 | -1.70 | -1.75 | -1.36 | -1.96 | -1.38 | -13.94 | -3.70 | |
| 270 | -6.64 | -6.29 | -6.88 | -4.43 | -4.26 | -2.30 | -1.42 | -3.74 | -2.49 | -3.06 | -2.58 | -11.34 | -3.64 | |
| 285 | -6.23 | -7.06 | -8.90 | -5.79 | -6.05 | -4.33 | -1.47 | -3.16 | -4.07 | -5.56 | -4.36 | -9.11 | -4.19 | |
| 300 | -6.10 | -8.26 | -11.12 | -6.45 | -7.08 | -6.91 | -2.96 | -2.33 | -4.56 | -7.67 | -6.81 | -8.41 | -4.97 | |
| 315 | -6.28 | -10.09 | -13.43 | -7.15 | -7.66 | -6.97 | -4.55 | -2.71 | -4.85 | -8.00 | -9.45 | -7.82 | -5.54 | |
| 330 | -6.63 | -11.76 | -15.18 | -8.14 | -8.75 | -5.78 | -4.32 | -4.02 | -5.79 | -6.76 | -12.38 | -6.70 | -5.67 | |
| 345 | -6.57 | -13.64 | -15.69 | -8.94 | -9.87 | -5.44 | -3.49 | -5.62 | -6.93 | -5.79 | -14.34 | -6.00 | -5.30 | |
| 360 | -6.61 | -14.69 | -14.65 | -8.70 | -9.54 | -5.86 | -3.33 | -6.48 | -6.67 | -5.64 | -15.79 | -5.36 | -4.85 | |
| Avg. | -7.21 | -6.94 | -6.15 | -4.93 | -4.31 | -3.25 | -2.82 | -2.77 | -3.41 | -5.03 | -5.19 | -8.19 | -5.42 | |
| | Peak Value | 0.120 | Minimum Value | -15.973 | | | | | | | | | | |

| Horizontal | | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -6.71 | -15.05 | -16.20 | -9.04 | -9.70 | -5.91 | -3.52 | -6.83 | -7.13 | -6.04 | -16.08 | -6.62 | -5.83 | |
| 15 | -7.41 | -15.63 | -16.63 | -8.41 | -9.28 | -6.87 | -4.11 | -7.27 | -8.13 | -7.81 | -15.62 | -7.70 | -6.58 | |
| 30 | -8.67 | -15.07 | -16.39 | -7.71 | -9.48 | -8.43 | -5.85 | -8.02 | -11.71 | -12.29 | -13.94 | -9.75 | -9.00 | |
| 45 | -10.55 | -14.67 | -15.71 | -7.53 | -10.80 | -10.82 | -6.99 | -9.15 | -23.23 | -17.57 | -11.81 | -14.07 | -12.38 | |
| 60 | -13.83 | -14.92 | -16.67 | -8.35 | -12.97 | -12.66 | -8.70 | -13.58 | -9.02 | -9.84 | -10.52 | -20.78 | -20.56 | |
| 75 | -20.03 | -15.71 | -21.81 | -10.50 | -15.12 | -13.50 | -11.13 | -15.34 | -4.11 | -6.52 | -10.28 | -21.52 | -25.44 | |
| 90 | -22.37 | -14.94 | -23.44 | -14.11 | -16.18 | -13.51 | -9.98 | -6.96 | -2.89 | -6.76 | -10.01 | -19.92 | -14.54 | |
| 105 | -15.23 | -11.60 | -12.18 | -13.04 | -11.92 | -8.66 | -6.48 | -4.33 | -4.39 | -11.01 | -9.40 | -19.41 | -9.44 | |
| 120 | -11.68 | -8.95 | -8.15 | -8.99 | -6.90 | -5.72 | -4.90 | -4.52 | -6.36 | -17.48 | -8.97 | -16.23 | -7.32 | |
| 135 | -9.81 | -6.92 | -5.55 | -5.73 | -3.80 | -3.80 | -4.16 | -3.89 | -6.82 | -21.12 | -8.74 | -12.18 | -5.78 | |
| 150 | -8.69 | -5.77 | -4.28 | -3.89 | -2.22 | -3.13 | -3.41 | -2.52 | -6.47 | -16.87 | -8.80 | -9.52 | -4.96 | |
| 165 | -8.19 | -5.30 | -3.81 | -2.96 | -1.71 | -3.00 | -2.87 | -1.66 | -6.13 | -15.98 | -9.16 | -8.11 | -4.97 | |
| 180 | -8.31 | -5.64 | -4.13 | -2.86 | -2.11 | -3.47 | -3.03 | -1.66 | -6.32 | -16.81 | -9.66 | -7.39 | -5.83 | |
| 195 | -9.15 | -6.76 | -5.33 | -3.74 | -3.22 | -4.53 | -4.05 | -2.58 | -7.31 | -19.28 | -9.63 | -7.65 | -7.46 | |
| 210 | -10.73 | -8.43 | -6.74 | -5.70 | -5.19 | -5.47 | -4.94 | -3.90 | -9.46 | -22.33 | -9.29 | -9.13 | -10.44 | |
| 225 | -13.29 | -10.75 | -9.71 | -8.74 | -8.45 | -6.70 | -4.27 | -3.32 | -9.45 | -15.22 | -8.77 | -11.90 | -15.11 | |
| 240 | -19.20 | -14.54 | -15.25 | -10.91 | -13.39 | -10.44 | -4.92 | -2.32 | -6.07 | -9.71 | -8.23 | -15.90 | -24.36 | |
| 255 | -40.03 | -20.83 | -26.43 | -9.34 | -11.10 | -12.21 | -9.01 | -4.27 | -4.35 | -7.26 | -7.17 | -18.85 | -16.36 | |
| 270 | -18.64 | -19.65 | -18.83 | -8.17 | -9.42 | -8.17 | -8.32 | -11.81 | -5.97 | -8.12 | -6.82 | -19.17 | -11.98 | |
| 285 | -12.92 | -16.64 | -14.39 | -7.64 | -10.27 | -7.73 | -4.54 | -10.78 | -12.24 | -12.41 | -7.33 | -14.18 | -9.30 | |
| 300 | -9.77 | -15.11 | -13.31 | -7.37 | -10.77 | -8.60 | -4.21 | -5.81 | -21.11 | -17.66 | -8.70 | -11.21 | -7.49 | |
| 315 | -8.04 | -14.38 | -13.89 | -7.54 | -10.24 | -7.41 | -4.79 | -4.85 | -11.07 | -10.99 | -11.21 | -8.48 | -6.39 | |
| 330 | -7.21 | -14.08 | -15.18 | -8.27 | -10.23 | -5.85 | -4.36 | -5.31 | -8.05 | -7.21 | -14.29 | -6.74 | -5.74 | |
| 345 | -6.60 | -14.11 | -16.11 | -8.94 | -10.28 | -5.47 | -3.60 | -5.98 | -7.26 | -5.80 | -15.47 | -6.16 | -5.46 | |
| 360 | -6.71 | -15.05 | -16.20 | -9.04 | -9.70 | -5.91 | -3.52 | -6.83 | -7.13 | -6.04 | -16.08 | -6.62 | -5.83 | |
| Avg. | -10.34 | -10.74 | -9.78 | -7.21 | -7.24 | -6.76 | -5.20 | -5.13 | -7.24 | -10.35 | -9.92 | -10.51 | -8.37 | |
| | Peak Value | -1.656 | Minimum Value | -40.035 | | | | | | | | | | |

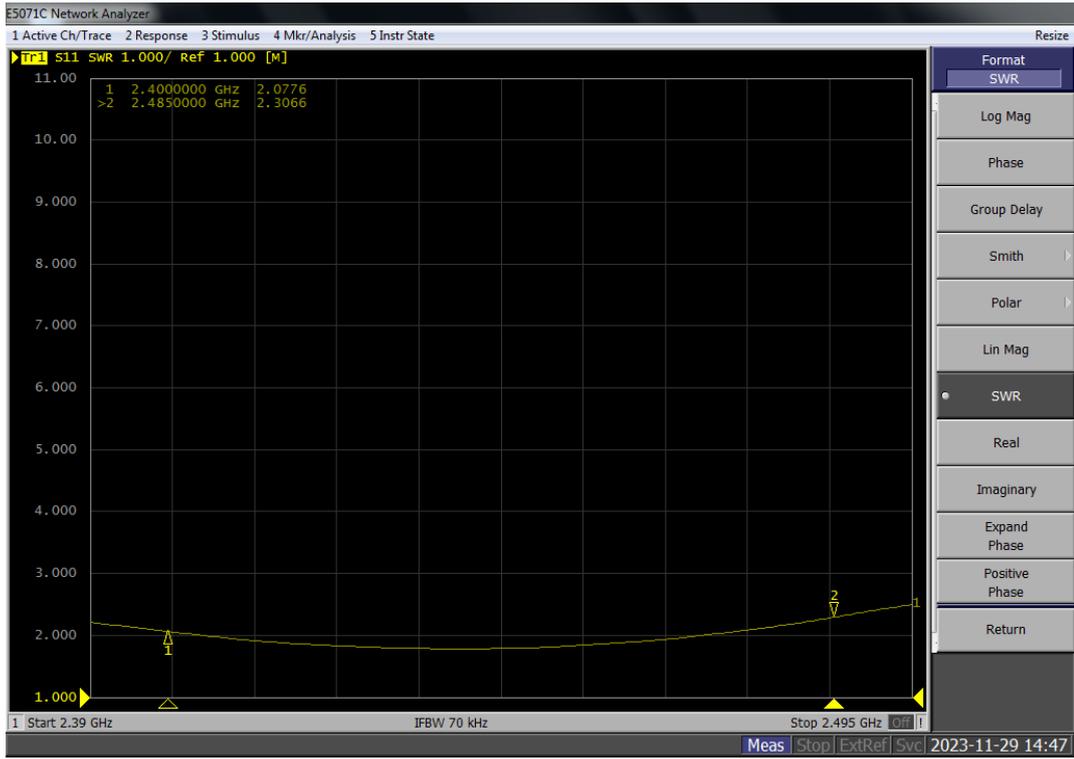
| Vertical | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | -23.01 | -25.59 | -19.88 | -19.97 | -24.06 | -24.90 | -17.02 | -17.66 | -16.65 | -16.22 | -27.71 | -11.37 | -11.80 |
| 15 | -16.77 | -18.74 | -16.57 | -16.94 | -15.49 | -19.40 | -17.12 | -11.60 | -9.97 | -10.24 | -30.86 | -8.67 | -9.44 |
| 30 | -12.49 | -15.24 | -13.55 | -15.04 | -11.39 | -14.29 | -15.55 | -7.66 | -5.97 | -7.83 | -20.99 | -7.52 | -7.85 |
| 45 | -9.41 | -12.46 | -11.26 | -12.69 | -9.69 | -9.76 | -9.24 | -5.17 | -3.54 | -6.80 | -13.64 | -7.59 | -6.97 |
| 60 | -8.10 | -9.75 | -9.06 | -9.42 | -7.97 | -5.44 | -5.09 | -4.39 | -2.97 | -5.97 | -8.96 | -8.53 | -6.57 |
| 75 | -7.29 | -8.02 | -6.55 | -6.76 | -5.91 | -2.71 | -3.20 | -3.97 | -2.89 | -4.91 | -6.09 | -10.39 | -6.81 |
| 90 | -6.90 | -6.41 | -5.19 | -5.10 | -3.99 | -1.53 | -2.81 | -3.83 | -2.89 | -3.96 | -4.37 | -12.53 | -7.77 |
| 105 | -7.13 | -5.63 | -4.55 | -4.67 | -3.41 | -1.69 | -3.27 | -3.97 | -3.28 | -3.68 | -3.89 | -12.82 | -9.56 |
| 120 | -8.06 | -5.81 | -5.05 | -5.38 | -4.09 | -2.69 | -4.41 | -5.08 | -4.47 | -4.60 | -4.83 | -12.66 | -12.27 |
| 135 | -9.83 | -7.00 | -6.73 | -7.29 | -5.74 | -4.72 | -7.18 | -7.95 | -6.83 | -7.00 | -7.19 | -13.88 | -16.78 |
| 150 | -12.72 | -9.70 | -10.55 | -11.78 | -9.19 | -9.29 | -12.72 | -13.44 | -11.92 | -11.89 | -13.69 | -17.97 | -28.85 |
| 165 | -17.69 | -16.97 | -19.22 | -19.17 | -18.37 | -20.78 | -36.48 | -25.91 | -20.57 | -43.06 | -26.38 | -20.32 | -23.09 |
| 180 | -25.50 | -23.27 | -19.47 | -17.71 | -18.02 | -12.37 | -14.01 | -14.14 | -16.42 | -10.42 | -11.54 | -13.59 | -13.14 |
| 195 | -17.60 | -12.76 | -10.72 | -10.36 | -9.49 | -7.16 | -8.03 | -7.54 | -8.26 | -6.74 | -6.16 | -11.74 | -9.77 |
| 210 | -12.75 | -9.35 | -6.71 | -7.01 | -5.76 | -4.32 | -5.50 | -5.38 | -4.48 | -4.20 | -3.41 | -11.10 | -7.54 |
| 225 | -9.85 | -7.05 | -4.57 | -5.23 | -4.13 | -2.87 | -4.30 | -4.63 | -2.98 | -2.84 | -2.05 | -12.20 | -5.80 |
| 240 | -7.79 | -6.03 | -4.27 | -4.48 | -3.46 | -1.91 | -3.61 | -4.98 | -3.24 | -2.45 | -1.79 | -15.43 | -4.44 |
| 255 | -7.12 | -5.91 | -5.22 | -5.13 | -4.23 | -1.71 | -2.59 | -5.32 | -4.39 | -3.47 | -2.71 | -15.64 | -3.94 |
| 270 | -6.93 | -6.50 | -7.17 | -6.83 | -5.84 | -3.61 | -2.42 | -4.47 | -5.08 | -4.69 | -4.64 | -12.12 | -4.32 |
| 285 | -7.28 | -7.57 | -10.34 | -10.37 | -8.11 | -6.98 | -4.42 | -3.98 | -4.78 | -6.56 | -7.42 | -10.73 | -5.79 |
| 300 | -8.53 | -9.26 | -15.13 | -13.64 | -9.50 | -11.83 | -8.99 | -4.91 | -4.65 | -8.13 | -11.33 | -11.66 | -8.53 |
| 315 | -11.06 | -12.11 | -23.39 | -17.74 | -11.15 | -17.13 | -17.20 | -6.81 | -6.04 | -11.04 | -14.23 | -16.33 | -13.00 |
| 330 | -15.60 | -15.59 | -44.65 | -23.43 | -14.15 | -23.45 | -25.27 | -9.93 | -9.70 | -16.87 | -16.87 | -26.19 | -23.50 |
| 345 | -28.03 | -23.46 | -26.04 | -48.30 | -20.39 | -26.90 | -19.17 | -16.56 | -18.28 | -31.94 | -20.77 | -20.45 | -19.57 |
| 360 | -23.01 | -25.59 | -19.88 | -19.97 | -24.06 | -24.90 | -17.02 | -17.66 | -16.65 | -16.22 | -27.71 | -11.37 | -11.80 |
| Avg. | -10.10 | -9.29 | -8.63 | -8.82 | -7.41 | -5.82 | -6.57 | -6.55 | -5.73 | -6.54 | -6.97 | -12.01 | -8.50 |
| | Peak Value | -1.532 | Minimum Value | | -48.300 | | | | | | | | |

| RHCP | | | | | | | | | | | | | |
|-----------------|-------------------|--------------|----------------------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | -9.43 | -20.49 | -25.73 | -11.51 | -13.59 | -8.72 | -5.60 | -12.64 | -13.54 | -11.58 | -20.94 | -8.60 | -7.93 |
| 15 | -9.86 | -24.67 | -28.90 | -10.95 | -13.43 | -10.39 | -6.70 | -14.50 | -22.82 | -16.02 | -18.15 | -8.29 | -7.62 |
| 30 | -10.23 | -27.38 | -25.13 | -11.97 | -14.44 | -16.18 | -11.12 | -17.60 | -14.16 | -13.26 | -13.95 | -9.11 | -8.47 |
| 45 | -10.41 | -24.44 | -20.85 | -16.40 | -19.52 | -23.87 | -20.31 | -16.86 | -6.57 | -8.08 | -9.67 | -11.42 | -9.22 |
| 60 | -10.92 | -18.48 | -15.58 | -20.55 | -16.12 | -9.47 | -10.56 | -10.25 | -2.48 | -4.70 | -6.74 | -13.74 | -9.81 |
| 75 | -11.12 | -15.65 | -10.91 | -11.13 | -9.27 | -4.76 | -5.80 | -5.34 | -0.50 | -2.83 | -5.16 | -14.69 | -9.88 |
| 90 | -10.81 | -12.62 | -8.37 | -6.85 | -5.32 | -2.61 | -2.90 | -2.34 | 0.05 | -2.46 | -4.34 | -14.98 | -9.78 |
| 105 | -10.49 | -10.36 | -6.46 | -4.88 | -3.80 | -1.63 | -1.72 | -1.21 | -0.84 | -3.71 | -4.51 | -14.78 | -9.17 |
| 120 | -10.52 | -9.16 | -5.96 | -4.58 | -2.96 | -1.35 | -1.73 | -1.80 | -2.47 | -5.85 | -5.16 | -14.80 | -8.80 |
| 135 | -10.78 | -8.57 | -6.01 | -4.76 | -2.33 | -1.52 | -3.01 | -3.01 | -4.82 | -10.08 | -6.54 | -14.54 | -8.29 |
| 150 | -11.33 | -8.88 | -6.60 | -5.55 | -2.49 | -3.00 | -4.65 | -3.81 | -7.73 | -18.10 | -8.91 | -13.92 | -7.90 |
| 165 | -11.83 | -9.46 | -7.22 | -6.10 | -3.64 | -4.98 | -5.76 | -4.16 | -8.63 | -18.63 | -11.24 | -13.32 | -7.69 |
| 180 | -12.59 | -9.57 | -7.78 | -7.31 | -5.74 | -7.87 | -7.03 | -4.68 | -8.47 | -10.24 | -12.73 | -12.04 | -7.47 |
| 195 | -12.73 | -9.06 | -8.21 | -9.37 | -9.30 | -11.54 | -9.70 | -6.79 | -8.20 | -8.32 | -11.34 | -11.43 | -7.75 |
| 210 | -12.37 | -8.52 | -7.72 | -12.48 | -14.18 | -17.05 | -17.78 | -12.08 | -9.02 | -7.59 | -9.73 | -11.82 | -8.04 |
| 225 | -11.73 | -7.70 | -7.46 | -16.04 | -13.90 | -14.76 | -22.83 | -21.23 | -11.53 | -8.23 | -8.88 | -13.57 | -8.09 |
| 240 | -10.80 | -7.47 | -7.96 | -10.76 | -9.04 | -8.79 | -15.66 | -10.68 | -13.05 | -9.13 | -9.52 | -15.36 | -7.92 |
| 255 | -10.33 | -7.59 | -8.98 | -7.26 | -6.32 | -4.46 | -8.50 | -13.79 | -14.19 | -10.25 | -13.13 | -14.29 | -8.03 |
| 270 | -9.50 | -7.92 | -10.19 | -6.14 | -5.53 | -3.43 | -3.38 | -9.90 | -19.11 | -12.45 | -18.67 | -12.34 | -8.12 |
| 285 | -8.83 | -8.61 | -11.23 | -6.36 | -6.17 | -4.65 | -1.96 | -4.08 | -12.46 | -15.53 | -24.04 | -11.17 | -9.17 |
| 300 | -8.47 | -9.77 | -12.85 | -6.99 | -7.36 | -7.06 | -3.31 | -2.34 | -6.82 | -11.34 | -20.48 | -11.27 | -10.17 |
| 315 | -8.48 | -11.46 | -15.25 | -8.28 | -8.93 | -8.27 | -5.96 | -3.09 | -5.22 | -8.70 | -21.83 | -11.21 | -10.39 |
| 330 | -8.79 | -13.13 | -18.47 | -10.34 | -11.04 | -8.03 | -6.77 | -5.46 | -5.86 | -7.94 | -24.08 | -9.91 | -9.75 |
| 345 | -9.12 | -15.57 | -21.99 | -11.95 | -12.99 | -7.78 | -5.81 | -9.13 | -8.23 | -8.39 | -22.91 | -9.42 | -8.99 |
| 360 | -9.43 | -20.49 | -25.73 | -11.51 | -13.59 | -8.72 | -5.60 | -12.64 | -13.54 | -11.58 | -20.94 | -8.60 | -7.93 |
| Avg. | -10.48 | -10.64 | -9.77 | -8.30 | -7.11 | -5.89 | -5.73 | -5.83 | -5.94 | -8.05 | -9.66 | -11.97 | -8.77 |
| | Peak Value | 0.051 | Minimum Value | | -28.902 | | | | | | | | |

| LHCP | | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | |
| 0 | -9.81 | -16.01 | -15.01 | -11.93 | -11.72 | -9.02 | -7.23 | -7.69 | -7.67 | -6.92 | -17.38 | -8.15 | -7.79 | |
| 15 | -10.02 | -14.28 | -13.72 | -10.76 | -9.96 | -9.02 | -7.14 | -6.55 | -6.04 | -6.28 | -18.89 | -8.04 | -7.95 | |
| 30 | -10.12 | -12.27 | -11.94 | -8.62 | -8.26 | -8.05 | -6.76 | -5.06 | -5.49 | -7.53 | -20.96 | -7.95 | -8.31 | |
| 45 | -9.52 | -10.59 | -10.30 | -6.83 | -7.46 | -7.34 | -5.09 | -3.92 | -6.44 | -11.50 | -28.82 | -8.50 | -8.57 | |
| 60 | -9.38 | -9.07 | -9.28 | -5.99 | -7.32 | -6.44 | -4.48 | -5.04 | -11.84 | -17.54 | -23.91 | -9.73 | -9.04 | |
| 75 | -9.24 | -8.03 | -8.33 | -6.52 | -7.73 | -6.08 | -5.35 | -8.61 | -19.32 | -16.16 | -14.58 | -11.91 | -9.64 | |
| 90 | -8.96 | -6.87 | -7.92 | -8.50 | -8.87 | -7.00 | -9.52 | -15.00 | -17.88 | -13.47 | -10.12 | -14.64 | -10.13 | |
| 105 | -8.71 | -6.01 | -7.31 | -11.81 | -9.86 | -8.98 | -16.49 | -18.85 | -20.19 | -10.84 | -7.71 | -15.16 | -9.87 | |
| 120 | -8.68 | -5.71 | -6.72 | -11.68 | -10.54 | -11.30 | -18.56 | -25.25 | -16.58 | -9.80 | -8.21 | -13.48 | -9.48 | |
| 135 | -9.03 | -5.78 | -6.19 | -9.24 | -10.00 | -13.05 | -11.22 | -11.65 | -10.64 | -9.62 | -9.87 | -11.79 | -8.63 | |
| 150 | -9.38 | -6.15 | -6.14 | -7.07 | -8.05 | -9.87 | -7.76 | -7.23 | -9.17 | -11.56 | -13.39 | -10.60 | -8.00 | |
| 165 | -9.87 | -6.95 | -6.23 | -5.65 | -5.91 | -7.18 | -5.99 | -5.21 | -9.39 | -19.37 | -13.14 | -9.31 | -8.15 | |
| 180 | -10.21 | -7.76 | -6.36 | -4.57 | -4.38 | -4.63 | -4.70 | -4.19 | -9.43 | -17.69 | -9.03 | -7.87 | -8.83 | |
| 195 | -10.67 | -8.55 | -6.45 | -3.98 | -3.27 | -3.23 | -3.53 | -2.85 | -7.36 | -11.18 | -5.57 | -7.78 | -9.32 | |
| 210 | -10.98 | -9.24 | -5.92 | -3.85 | -2.76 | -1.98 | -2.32 | -1.97 | -4.62 | -6.73 | -3.30 | -8.73 | -9.62 | |
| 225 | -10.79 | -9.52 | -5.58 | -3.89 | -3.11 | -1.57 | -1.30 | -0.96 | -2.62 | -3.98 | -2.03 | -10.92 | -8.58 | |
| 240 | -10.22 | -9.77 | -6.13 | -4.52 | -4.30 | -2.20 | -1.37 | -0.87 | -1.72 | -2.57 | -1.55 | -15.98 | -6.95 | |
| 255 | -9.94 | -10.43 | -7.54 | -6.29 | -6.54 | -4.24 | -2.71 | -2.03 | -1.59 | -2.65 | -1.68 | -25.07 | -5.70 | |
| 270 | -9.82 | -11.34 | -9.60 | -9.32 | -10.22 | -8.70 | -5.82 | -4.94 | -2.59 | -3.60 | -2.69 | -18.23 | -5.55 | |
| 285 | -9.70 | -12.28 | -12.70 | -14.89 | -21.74 | -15.76 | -11.16 | -10.34 | -4.75 | -6.02 | -4.41 | -13.34 | -5.85 | |
| 300 | -9.85 | -13.56 | -15.95 | -15.79 | -19.02 | -21.67 | -14.15 | -27.80 | -8.48 | -10.12 | -7.00 | -11.59 | -6.53 | |
| 315 | -10.30 | -15.76 | -18.08 | -13.53 | -13.62 | -12.86 | -10.11 | -13.50 | -15.76 | -16.27 | -9.71 | -10.49 | -7.26 | |
| 330 | -10.70 | -17.41 | -17.93 | -12.14 | -12.63 | -9.71 | -7.98 | -9.51 | -23.31 | -13.00 | -12.68 | -9.52 | -7.82 | |
| 345 | -10.10 | -18.08 | -16.85 | -11.96 | -12.78 | -9.25 | -7.31 | -8.17 | -12.79 | -9.25 | -15.00 | -8.63 | -7.71 | |
| 360 | -9.81 | -16.01 | -15.01 | -11.93 | -11.72 | -9.02 | -7.23 | -7.69 | -7.67 | -6.92 | -17.38 | -8.15 | -7.79 | |
| Avg. | -9.97 | -9.36 | -8.63 | -7.61 | -7.55 | -6.67 | -5.93 | -5.74 | -6.95 | -8.04 | -7.11 | -10.54 | -8.11 | |
| | Peak Value | -0.872 | Minimum Value | -28.822 | | | | | | | | | | |

| AR | | | | | | | | | | | | | |
|-----------------|-------------------|---------------|----------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ϕ [deg] | Θ [deg] | | | | | | | | | | | | |
| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 0 | 33.33 | 11.95 | 5.20 | 32.18 | 19.40 | 35.09 | 20.58 | 11.13 | 9.75 | 11.63 | 13.88 | 31.79 | 41.79 |
| 15 | 41.05 | 5.42 | 3.06 | 39.01 | 14.10 | 22.11 | 32.06 | 7.37 | 2.53 | 5.88 | 27.36 | 36.71 | 34.37 |
| 30 | 44.39 | 3.08 | 3.86 | 14.42 | 9.33 | 7.20 | 12.20 | 4.18 | 6.72 | 9.94 | 8.34 | 23.47 | 40.41 |
| 45 | 25.80 | 3.58 | 5.32 | 6.00 | 4.43 | 2.61 | 3.04 | 3.98 | 42.41 | 14.25 | 1.92 | 15.59 | 28.44 |
| 60 | 21.10 | 6.12 | 9.17 | 3.29 | 6.61 | 15.25 | 9.47 | 10.71 | 6.16 | 4.03 | 2.42 | 12.89 | 27.13 |
| 75 | 19.36 | 7.69 | 16.63 | 11.71 | 21.09 | 22.40 | 31.74 | 14.60 | 2.00 | 3.80 | 6.11 | 15.98 | 37.04 |
| 90 | 19.46 | 9.91 | 31.68 | 20.46 | 13.91 | 12.13 | 8.79 | 4.12 | 2.22 | 5.02 | 9.87 | 34.20 | 33.96 |
| 105 | 19.85 | 12.21 | 26.20 | 8.44 | 9.49 | 7.97 | 3.21 | 2.29 | 1.88 | 8.21 | 14.79 | 33.36 | 27.85 |
| 120 | 19.55 | 14.15 | 27.19 | 8.25 | 7.74 | 5.73 | 2.52 | 1.17 | 3.47 | 13.01 | 15.20 | 22.40 | 28.13 |
| 135 | 19.95 | 15.97 | 39.78 | 11.96 | 7.64 | 4.72 | 7.13 | 6.74 | 9.83 | 31.46 | 14.46 | 16.06 | 34.14 |
| 150 | 19.04 | 16.15 | 31.61 | 21.15 | 10.19 | 8.50 | 15.03 | 14.22 | 21.69 | 8.87 | 11.97 | 14.48 | 45.38 |
| 165 | 18.97 | 16.87 | 24.92 | 31.68 | 17.74 | 17.99 | 37.69 | 24.38 | 27.23 | 27.46 | 19.24 | 12.89 | 31.65 |
| 180 | 17.32 | 19.67 | 21.77 | 16.13 | 22.13 | 14.69 | 17.48 | 30.99 | 25.21 | 7.87 | 13.55 | 12.55 | 22.14 |
| 195 | 18.58 | 30.72 | 19.92 | 10.45 | 9.54 | 7.04 | 9.35 | 13.03 | 26.34 | 15.75 | 9.89 | 13.67 | 20.93 |
| 210 | 21.99 | 27.64 | 19.74 | 6.76 | 4.78 | 3.10 | 2.96 | 5.61 | 12.12 | 26.16 | 9.02 | 15.11 | 20.86 |
| 225 | 25.35 | 19.62 | 19.32 | 4.38 | 5.16 | 3.86 | 1.46 | 1.69 | 6.52 | 12.39 | 8.51 | 16.40 | 31.00 |
| 240 | 29.63 | 17.63 | 19.57 | 9.26 | 11.48 | 8.82 | 3.39 | 5.82 | 4.84 | 8.86 | 7.35 | 28.95 | 25.01 |
| 255 | 33.17 | 15.79 | 21.63 | 25.02 | 37.69 | 37.64 | 9.87 | 4.59 | 4.15 | 7.72 | 4.76 | 5.17 | 17.51 |
| 270 | 34.54 | 14.22 | 29.39 | 14.86 | 11.59 | 10.63 | 17.10 | 11.12 | 2.61 | 6.56 | 2.79 | 9.71 | 16.65 |
| 285 | 25.97 | 13.62 | 21.48 | 6.84 | 2.92 | 4.96 | 6.29 | 9.23 | 7.60 | 6.04 | 1.82 | 18.14 | 14.48 |
| 300 | 22.04 | 13.36 | 15.06 | 6.61 | 4.65 | 3.27 | 5.13 | 0.93 | 20.41 | 23.09 | 3.74 | 34.57 | 13.70 |
| 315 | 19.66 | 12.30 | 15.82 | 10.65 | 11.59 | 11.75 | 12.60 | 5.41 | 5.32 | 7.74 | 4.40 | 27.65 | 14.98 |
| 330 | 19.21 | 12.34 | 30.16 | 19.75 | 20.77 | 20.35 | 23.13 | 12.80 | 2.34 | 10.96 | 4.80 | 32.96 | 19.16 |
| 345 | 25.03 | 16.88 | 10.84 | 63.79 | 38.19 | 21.44 | 21.32 | 25.15 | 11.82 | 26.16 | 7.41 | 26.82 | 22.66 |
| 360 | 33.33 | 11.95 | 5.20 | 32.18 | 19.40 | 35.09 | 20.58 | 11.13 | 9.75 | 11.63 | 13.88 | 31.79 | 41.79 |
| Avg. | 33.10 | 19.84 | 28.20 | 49.83 | 27.22 | 25.95 | 25.87 | 19.11 | 28.83 | 21.05 | 15.35 | 28.68 | 35.04 |
| | Peak Value | 63.785 | Minimum Value | 0.928 | | | | | | | | | |

VSWR



Antenna Gain

Normal View

- Data -

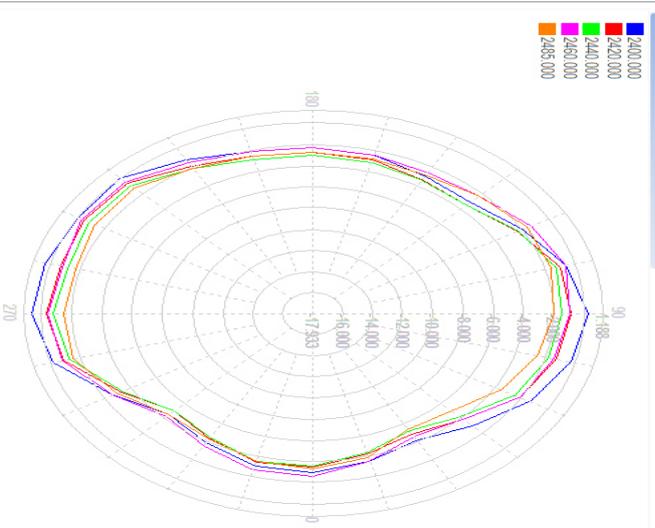
| Frequency | Sum | | | H($\phi=90$) | | | E1($\phi=90$) | | | E2($\phi=90$) | | | | | | | |
|-----------|--------|----------|---------|----------------|----------|---------|-----------------|----------|---------|-----------------|----------|---------|-------|--------|--------|--------|--------|
| | phiDeg | thetaDeg | Mag(dB) | phiDeg | thetaDeg | Mag(dB) | phiDeg | thetaDeg | Mag(dB) | phiDeg | thetaDeg | Mag(dB) | | | | | |
| 2,400,000 | 75.0 | 105.0 | 1.188 | -2.366 | 58.133 | 270.0 | 0.898 | -1.056 | 128.73 | 120.0 | 1.094 | -1.664 | 92.67 | -0.0 | -1.140 | -4.225 | 126.88 |
| 2,420,000 | 75.0 | 105.0 | 0.421 | -3.125 | 48.699 | 240.0 | -0.326 | -2.263 | 147.47 | 120.0 | 0.331 | -2.456 | 81.51 | -0.0 | -1.688 | -4.990 | 117.36 |
| 2,440,000 | 120.0 | 90.0 | 0.174 | -3.827 | 44.939 | 240.0 | -0.757 | -2.563 | 0.00 | 120.0 | 0.724 | -2.957 | 79.37 | -0.0 | -1.915 | -5.266 | 111.32 |
| 2,460,000 | 120.0 | 90.0 | 0.877 | -2.991 | 50.228 | 240.0 | -0.256 | -1.919 | 0.00 | 120.0 | 0.877 | -2.539 | 78.72 | -0.0 | -1.262 | -4.666 | 105.85 |
| 2,485,000 | 120.0 | 90.0 | 0.120 | -3.856 | 41.163 | 240.0 | -1.206 | -2.641 | 0.00 | 120.0 | 0.120 | -3.390 | 79.28 | -105.0 | -1.418 | -5.366 | 88.98 |

Capture

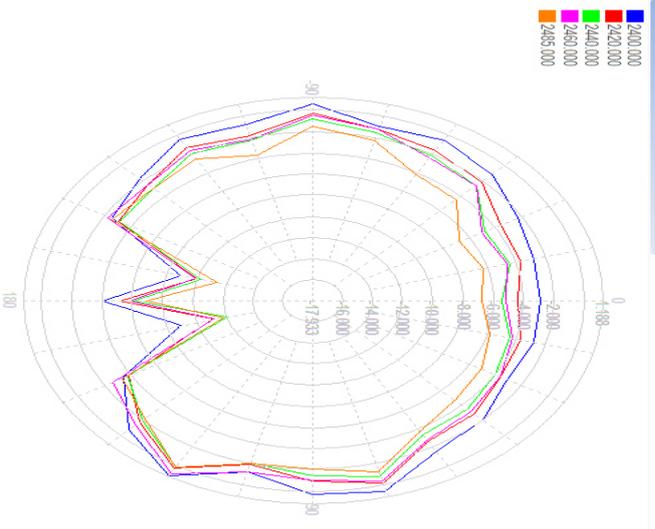
Multiple Col

H/E1/E2 Plane

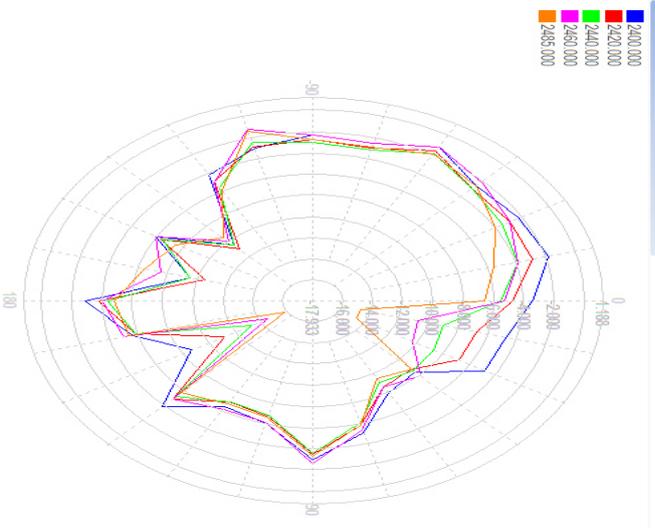
- H Plane PolarLine Chart -

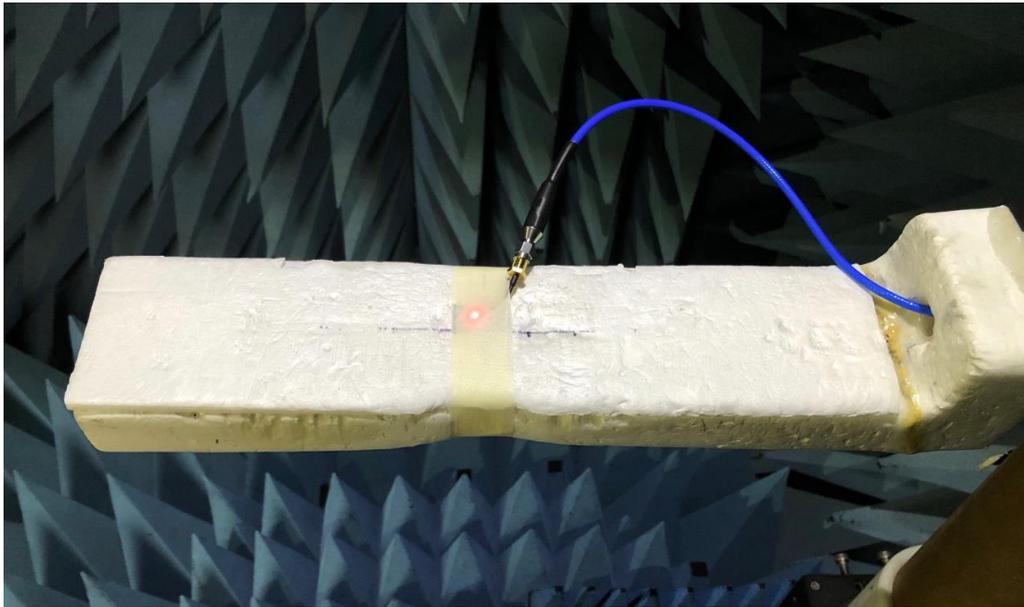


- E1 Plane PolarLine Chart -



- E2 Plane PolarLine Chart -





Radiation Pattern Measurement System(3D)– KTM



- ①Chamber Type : Rectangular
- ②Chamber Size
* 2.5m x 2.5m x 5m
- ③Frequency Range :
* 400MHz~6GHz
- ④Quiet Zone : 3M @ 800MHz
- ⑤Absorber
Broadband Pyramidal / NRL Fire
Rated F. Chamber Performance

Active Test SW

- Antenna Passive
- E5515C Active
- LTE 8820C
- BT T3000A
- Wi-Max
- Wi-Fi 8860C a,b,g
- 400MHz TRP
- LORA TRP
- NB-IOT TRP

