

EIRPsd Data Table for SE125 (1.25M)

Co-Pol Azimuth

From 1.5 to 10 deg in 0.1 deg step

From 10 to 180 deg in 5 deg step

| Power density input | | -15.0 | dBW/4KHz |
|---------------------|-----------------|-------------|-----------|
| Test Frequency | | 14.25 | GHz |
| Off-Axis Angle | Off-axis EIRPsd | 25.222 Mask | Over Mask |
| Degrees | dBW/4KHz | dBW/4KHz | dB |
| 1.5 | 7.80 | 10.60 | 2.80 |
| 1.6 | 4.35 | 9.90 | 5.54 |
| 1.7 | 0.35 | 9.24 | 8.89 |
| 1.8 | -3.19 | 8.62 | 11.81 |
| 1.9 | -3.36 | 8.03 | 11.39 |
| 2 | -1.67 | 7.47 | 9.15 |
| 2.1 | -0.25 | 6.94 | 7.19 |
| 2.2 | 0.68 | 6.44 | 5.76 |
| 2.3 | 1.29 | 5.96 | 4.66 |
| 2.4 | 1.70 | 5.49 | 3.79 |
| 2.5 | 2.00 | 5.05 | 3.05 |
| 2.6 | 2.25 | 4.63 | 2.37 |
| 2.7 | 2.46 | 4.22 | 1.76 |
| 2.8 | 2.58 | 3.82 | 1.24 |
| 2.9 | 2.60 | 3.44 | 0.84 |
| 3 | 2.52 | 3.07 | 0.55 |
| 3.1 | 2.29 | 2.72 | 0.42 |
| 3.2 | 1.92 | 2.37 | 0.45 |
| 3.3 | 1.44 | 2.04 | 0.60 |
| 3.4 | 0.82 | 1.71 | 0.89 |
| 3.5 | 0.09 | 1.40 | 1.31 |
| 3.6 | -0.66 | 1.09 | 1.76 |
| 3.7 | -1.52 | 0.79 | 2.31 |
| 3.8 | -2.36 | 0.51 | 2.87 |
| 3.9 | -3.17 | 0.22 | 3.39 |
| 4 | -3.96 | -0.05 | 3.91 |
| 4.1 | -4.64 | -0.32 | 4.32 |
| 4.2 | -5.22 | -0.58 | 4.63 |
| 4.3 | -5.74 | -0.84 | 4.91 |
| 4.4 | -6.23 | -1.09 | 5.15 |
| 4.5 | -6.76 | -1.33 | 5.43 |
| 4.6 | -7.44 | -1.57 | 5.87 |
| 4.7 | -8.39 | -1.80 | 6.59 |
| 4.8 | -9.63 | -2.03 | 7.60 |
| 4.9 | -11.30 | -2.25 | 9.05 |
| 5 | -13.64 | -2.47 | 11.16 |
| 5.1 | -16.40 | -2.69 | 13.72 |
| 5.2 | -19.62 | -2.90 | 16.72 |
| 5.3 | -21.90 | -3.11 | 18.79 |
| 5.4 | -21.52 | -3.31 | 18.21 |
| 5.5 | -20.02 | -3.51 | 16.51 |
| 5.6 | -18.90 | -3.70 | 15.19 |
| 5.7 | -18.20 | -3.90 | 14.30 |
| 5.8 | -17.70 | -4.09 | 13.61 |
| 5.9 | -17.43 | -4.27 | 13.16 |
| 6 | -17.26 | -4.45 | 12.81 |
| 6.1 | -17.12 | -4.63 | 12.49 |

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|-----|--------|--------|-------|
| 6.2 | -17.10 | -4.81 | 12.29 |
| 6.3 | -17.13 | -4.98 | 12.15 |
| 6.4 | -17.14 | -5.15 | 11.98 |
| 6.5 | -17.17 | -5.32 | 11.85 |
| 6.6 | -17.27 | -5.49 | 11.78 |
| 6.7 | -17.40 | -5.65 | 11.74 |
| 6.8 | -17.64 | -5.81 | 11.83 |
| 6.9 | -18.15 | -5.97 | 12.18 |
| 7 | -18.93 | -6.00 | 12.93 |
| 7.1 | -20.01 | -6.00 | 14.01 |
| 7.2 | -21.38 | -6.00 | 15.38 |
| 7.3 | -22.57 | -6.00 | 16.57 |
| 7.4 | -22.61 | -6.00 | 16.61 |
| 7.5 | -21.24 | -6.00 | 15.24 |
| 7.6 | -19.35 | -6.00 | 13.35 |
| 7.7 | -17.67 | -6.00 | 11.67 |
| 7.8 | -16.25 | -6.00 | 10.25 |
| 7.9 | -15.17 | -6.00 | 9.17 |
| 8 | -14.37 | -6.00 | 8.37 |
| 8.1 | -13.78 | -6.00 | 7.78 |
| 8.2 | -13.36 | -6.00 | 7.36 |
| 8.3 | -13.09 | -6.00 | 7.09 |
| 8.4 | -12.91 | -6.00 | 6.91 |
| 8.5 | -12.84 | -6.00 | 6.84 |
| 8.6 | -12.84 | -6.00 | 6.84 |
| 8.7 | -12.90 | -6.00 | 6.90 |
| 8.8 | -13.03 | -6.00 | 7.03 |
| 8.9 | -13.17 | -6.00 | 7.17 |
| 9 | -13.29 | -6.00 | 7.29 |
| 9.1 | -13.41 | -6.00 | 7.41 |
| 9.2 | -13.45 | -6.00 | 7.45 |
| 9.3 | -13.40 | -6.21 | 7.19 |
| 9.4 | -13.31 | -6.33 | 6.98 |
| 9.5 | -13.17 | -6.44 | 6.72 |
| 9.6 | -13.00 | -6.56 | 6.44 |
| 9.7 | -12.87 | -6.67 | 6.20 |
| 9.8 | -12.79 | -6.78 | 6.00 |
| 9.9 | -12.76 | -6.89 | 5.87 |
| 10 | -12.80 | -7.00 | 5.80 |
| 15 | -21.30 | -11.40 | 9.90 |
| 20 | -32.42 | -14.53 | 17.89 |
| 25 | -24.67 | -16.95 | 7.72 |
| 30 | -26.84 | -18.93 | 7.91 |
| 35 | -36.10 | -20.60 | 15.49 |
| 40 | -32.62 | -22.05 | 10.57 |
| 45 | -32.09 | -23.33 | 8.76 |
| 50 | -29.18 | -24.00 | 5.18 |
| 55 | -30.39 | -24.00 | 6.39 |
| 60 | -35.00 | -24.00 | 11.00 |
| 65 | -25.58 | -24.00 | 1.58 |
| 70 | -26.02 | -24.00 | 2.02 |
| 75 | -49.49 | -24.00 | 25.49 |
| 80 | -28.76 | -24.00 | 4.76 |
| 85 | -44.74 | -24.00 | 20.74 |
| 90 | -44.55 | -14.00 | 30.55 |

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|-----|--------|--------|-------|
| 95 | -37.78 | -14.00 | 23.78 |
| 100 | -33.47 | -14.00 | 19.47 |
| 105 | -38.78 | -14.00 | 24.78 |
| 110 | -30.52 | -14.00 | 16.52 |
| 115 | -26.16 | -14.00 | 12.16 |
| 120 | -21.53 | -14.00 | 7.53 |
| 125 | -33.53 | -14.00 | 19.53 |
| 130 | -44.47 | -14.00 | 30.47 |
| 135 | -35.22 | -14.00 | 21.22 |
| 140 | -28.51 | -14.00 | 14.51 |
| 145 | -43.16 | -14.00 | 29.16 |
| 150 | -31.53 | -14.00 | 17.53 |
| 155 | -36.62 | -14.00 | 22.62 |
| 160 | -33.62 | -14.00 | 19.62 |
| 165 | -47.42 | -14.00 | 33.42 |
| 170 | -43.72 | -14.00 | 29.72 |
| 175 | -34.62 | -14.00 | 20.62 |
| 180 | -25.42 | -14.00 | 11.42 |

EIRPsd Data Table for SE125 (1.25M)

Co-Pol Elevation

From 3.0 to 10 deg in 0.1 deg step

From 10 to 180 deg in 5 deg step

| Power density input | | -15.0 | dBW/4KHz |
|---------------------|-----------------|-------------|-----------|
| Test Frequency | | 14.25 | GHz |
| Off-Axis Angle | Off-axis EIRPsd | 25.222 Mask | Over Mask |
| Degrees | dBW/4KHz | dBW/4KHz | dB |
| 3.0 | 2.86 | 6.07 | 3.21 |
| 3.1 | 2.59 | 5.72 | 3.13 |
| 3.2 | 2.22 | 5.37 | 3.15 |
| 3.3 | 1.79 | 5.04 | 3.25 |
| 3.4 | 1.24 | 4.71 | 3.47 |
| 3.5 | 0.54 | 4.40 | 3.85 |
| 3.6 | -0.24 | 4.09 | 4.33 |
| 3.7 | -1.23 | 3.79 | 5.03 |
| 3.8 | -2.29 | 3.51 | 5.79 |
| 3.9 | -3.34 | 3.22 | 6.56 |
| 4.0 | -4.38 | 2.95 | 7.32 |
| 4.1 | -5.16 | 2.68 | 7.84 |
| 4.2 | -5.70 | 2.42 | 8.12 |
| 4.3 | -6.09 | 2.16 | 8.25 |
| 4.4 | -6.45 | 1.91 | 8.36 |
| 4.5 | -6.87 | 1.67 | 8.54 |
| 4.6 | -7.48 | 1.43 | 8.91 |
| 4.7 | -8.40 | 1.20 | 9.60 |
| 4.8 | -9.56 | 0.97 | 10.53 |
| 4.9 | -10.93 | 0.75 | 11.67 |
| 5.0 | -12.58 | 0.53 | 13.11 |
| 5.1 | -14.16 | 0.31 | 14.48 |
| 5.2 | -15.38 | 0.10 | 15.48 |
| 5.3 | -15.96 | -0.11 | 15.86 |
| 5.4 | -15.82 | -0.31 | 15.51 |
| 5.5 | -15.13 | -0.51 | 14.63 |
| 5.6 | -14.50 | -0.70 | 13.79 |
| 5.7 | -14.03 | -0.90 | 13.13 |
| 5.8 | -13.75 | -1.09 | 12.66 |
| 5.9 | -13.78 | -1.27 | 12.51 |
| 6.0 | -14.10 | -1.45 | 12.65 |
| 6.1 | -14.51 | -1.63 | 12.87 |
| 6.2 | -14.91 | -1.81 | 13.10 |
| 6.3 | -15.17 | -1.98 | 13.19 |
| 6.4 | -15.15 | -2.15 | 12.99 |
| 6.5 | -14.85 | -2.32 | 12.53 |
| 6.6 | -14.61 | -2.49 | 12.12 |
| 6.7 | -14.59 | -2.65 | 11.94 |
| 6.8 | -14.81 | -2.81 | 11.99 |
| 6.9 | -15.40 | -2.97 | 12.43 |
| 7.0 | -16.52 | -3.13 | 13.39 |
| 7.1 | -18.01 | -3.28 | 14.73 |
| 7.2 | -19.90 | -3.43 | 16.47 |
| 7.3 | -22.46 | -3.58 | 18.88 |
| 7.4 | -25.44 | -3.73 | 21.71 |
| 7.5 | -28.86 | -3.88 | 24.98 |
| 7.6 | -33.19 | -4.02 | 29.17 |
| 7.7 | -37.05 | -4.16 | 32.89 |

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|-----|--------|--------|-------|
| 7.8 | -35.14 | -4.30 | 30.84 |
| 7.9 | -31.35 | -4.44 | 26.91 |
| 8.0 | -27.84 | -4.58 | 23.26 |
| 8.1 | -25.14 | -4.71 | 20.42 |
| 8.2 | -23.04 | -4.85 | 18.20 |
| 8.3 | -21.23 | -4.98 | 16.25 |
| 8.4 | -19.86 | -5.11 | 14.76 |
| 8.5 | -18.90 | -5.24 | 13.66 |
| 8.6 | -18.19 | -5.36 | 12.82 |
| 8.7 | -17.77 | -5.49 | 12.28 |
| 8.8 | -17.64 | -5.61 | 12.03 |
| 8.9 | -17.62 | -5.73 | 11.88 |
| 9.0 | -17.58 | -5.86 | 11.73 |
| 9.1 | -17.45 | -5.98 | 11.47 |
| 9.2 | -17.14 | -6.09 | 11.05 |
| 9.3 | -16.62 | -6.21 | 10.41 |
| 9.4 | -16.11 | -6.33 | 9.78 |
| 9.5 | -15.81 | -6.44 | 9.36 |
| 9.6 | -15.66 | -6.56 | 9.10 |
| 9.7 | -15.70 | -6.67 | 9.03 |
| 9.8 | -16.01 | -6.78 | 9.23 |
| 9.9 | -16.43 | -6.89 | 9.54 |
| 10 | -16.79 | -7.00 | 9.79 |
| 15 | -26.03 | -7.00 | 19.03 |
| 20 | -25.90 | -7.00 | 18.90 |
| 25 | -23.44 | -7.00 | 16.44 |
| 30 | -21.93 | -7.00 | 14.93 |
| 35 | -24.84 | -7.00 | 17.84 |
| 40 | -26.15 | -7.00 | 19.15 |
| 45 | -33.70 | -7.00 | 26.70 |
| 50 | -27.88 | -24.00 | 3.88 |
| 55 | -25.73 | -24.00 | 1.73 |
| 60 | -26.20 | -24.00 | 2.20 |
| 65 | -30.37 | -24.00 | 6.37 |
| 70 | -33.68 | -24.00 | 9.68 |
| 75 | -28.07 | -24.00 | 4.07 |
| 80 | -27.31 | -24.00 | 3.31 |
| 85 | -34.05 | -24.00 | 10.05 |
| 90 | -38.84 | -14.00 | 24.84 |
| 95 | -31.10 | -14.00 | 17.10 |
| 100 | -27.41 | -14.00 | 13.41 |
| 105 | -33.63 | -14.00 | 19.63 |
| 110 | -30.32 | -14.00 | 16.32 |
| 115 | -36.53 | -14.00 | 22.53 |
| 120 | -43.61 | -14.00 | 29.61 |
| 125 | -29.47 | -14.00 | 15.47 |
| 130 | -20.93 | -14.00 | 6.93 |
| 135 | -28.41 | -14.00 | 14.41 |
| 140 | -36.58 | -14.00 | 22.58 |
| 145 | -47.52 | -14.00 | 33.52 |
| 150 | -37.62 | -14.00 | 23.62 |
| 155 | -41.52 | -14.00 | 27.52 |
| 160 | -36.63 | -14.00 | 22.63 |
| 165 | -33.43 | -14.00 | 19.43 |
| 170 | -36.53 | -14.00 | 22.53 |
| 175 | -28.52 | -14.00 | 14.52 |

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|-----|--------|--------|-------|
| 180 | -26.08 | -14.00 | 12.08 |
|-----|--------|--------|-------|

EIRPsd Data Table for SE125 (1.25M)
 Cross-Pol Azimuth Sweep
 From 1.8 to 9.2 deg in 0.1 deg step

| Power density input | | -15.0 | dBW/4KHz |
|---------------------|-----------------|-------------|-----------|
| Test Frequency | | 14.25 | GHz |
| Off-Axis Angle | Off-axis EIRPsd | 25.222 Mask | Over Mask |
| Degrees | dBW/4KHz | dBW/4KHz | dB |
| 1.8 | -8.69 | -1.38 | 7.31 |
| 1.9 | -9.45 | -1.97 | 7.48 |
| 2.0 | -10.57 | -2.53 | 8.04 |
| 2.1 | -12.15 | -3.06 | 9.10 |
| 2.2 | -14.44 | -3.56 | 10.88 |
| 2.3 | -16.91 | -4.04 | 12.87 |
| 2.4 | -19.19 | -4.51 | 14.68 |
| 2.5 | -20.64 | -4.95 | 15.70 |
| 2.6 | -21.26 | -5.37 | 15.89 |
| 2.7 | -21.67 | -5.78 | 15.89 |
| 2.8 | -22.29 | -6.18 | 16.11 |
| 2.9 | -23.14 | -6.56 | 16.58 |
| 3.0 | -23.62 | -6.93 | 16.70 |
| 3.1 | -23.82 | -7.28 | 16.54 |
| 3.2 | -24.00 | -7.63 | 16.38 |
| 3.3 | -23.91 | -7.96 | 15.94 |
| 3.4 | -23.60 | -8.29 | 15.31 |
| 3.5 | -23.13 | -8.60 | 14.53 |
| 3.6 | -22.27 | -8.91 | 13.36 |
| 3.7 | -21.05 | -9.21 | 11.84 |
| 3.8 | -20.15 | -9.49 | 10.65 |
| 3.9 | -19.56 | -9.78 | 9.78 |
| 4.0 | -19.20 | -10.05 | 9.15 |
| 4.1 | -19.55 | -10.32 | 9.23 |
| 4.2 | -20.62 | -10.58 | 10.04 |
| 4.3 | -22.14 | -10.84 | 11.30 |
| 4.4 | -24.34 | -11.09 | 13.26 |
| 4.5 | -26.53 | -11.33 | 15.20 |
| 4.6 | -26.90 | -11.57 | 15.33 |
| 4.7 | -26.73 | -11.80 | 14.92 |
| 4.8 | -26.51 | -12.03 | 14.48 |
| 4.9 | -27.25 | -12.25 | 15.00 |
| 5.0 | -29.54 | -12.47 | 17.07 |
| 5.1 | -32.00 | -12.69 | 19.31 |
| 5.2 | -33.09 | -12.90 | 20.19 |
| 5.3 | -31.54 | -13.11 | 18.44 |
| 5.4 | -29.91 | -13.31 | 16.60 |
| 5.5 | -28.63 | -13.51 | 15.12 |
| 5.6 | -28.15 | -13.70 | 14.44 |
| 5.7 | -28.60 | -13.90 | 14.71 |
| 5.8 | -29.62 | -14.09 | 15.54 |
| 5.9 | -30.88 | -14.27 | 16.60 |
| 6.0 | -31.74 | -14.45 | 17.29 |
| 6.1 | -30.90 | -14.63 | 16.26 |
| 6.2 | -28.98 | -14.81 | 14.17 |
| 6.3 | -27.36 | -14.98 | 12.38 |
| 6.4 | -26.91 | -15.15 | 11.75 |
| 6.5 | -27.25 | -15.32 | 11.93 |

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|-----|--------|--------|-------|
| 6.6 | -28.12 | -15.49 | 12.63 |
| 6.7 | -29.78 | -15.65 | 14.12 |
| 6.8 | -31.57 | -15.81 | 15.76 |
| 6.9 | -32.81 | -15.97 | 16.84 |
| 7.0 | -34.29 | -16.13 | 18.16 |
| 7.1 | -36.27 | -16.00 | 20.27 |
| 7.2 | -41.18 | -16.00 | 25.18 |
| 7.3 | -58.18 | -16.00 | 42.18 |
| 7.4 | -40.84 | -16.00 | 24.84 |
| 7.5 | -35.45 | -16.00 | 19.45 |
| 7.6 | -32.83 | -16.00 | 16.83 |
| 7.7 | -32.16 | -16.00 | 16.16 |
| 7.8 | -32.58 | -16.00 | 16.58 |
| 7.9 | -33.54 | -16.00 | 17.54 |
| 8.0 | -35.02 | -16.00 | 19.02 |
| 8.1 | -35.75 | -16.00 | 19.75 |
| 8.2 | -34.99 | -16.00 | 18.99 |
| 8.3 | -33.57 | -16.00 | 17.57 |
| 8.4 | -32.87 | -16.00 | 16.87 |
| 8.5 | -33.22 | -16.00 | 17.22 |
| 8.6 | -34.43 | -16.00 | 18.43 |
| 8.7 | -36.66 | -16.00 | 20.66 |
| 8.8 | -38.92 | -16.00 | 22.92 |
| 8.9 | -37.26 | -16.00 | 21.26 |
| 9.0 | -34.76 | -16.00 | 18.76 |
| 9.1 | -32.94 | -16.00 | 16.94 |
| 9.2 | -32.62 | -16.00 | 16.62 |