

ISAT US Inc.
FCC Form 312 Exhibit B

Plots for Swarm45 Terminal

Contained herein are the plots illustrating the compliance of the Swarm45 with the requirements established by FCC Rule §25.138 in the SECOND REPORT AND ORDER (FCC 15-167), released by the FCC on December 17, 2015 and effective September 19, 2016 (30 FCC Rcd 14713). The plots refer to the frequencies listed in Table 1 below.

Swarm45 Terminal Model

Table 1 - Measurement points for plots

	Min frequency	Max frequency
Tx frequencies (§25.138)	29.5 GHz	30.0 GHz

Each plot is compared with the relevant mask derived from the FCC references above.

1. Transmit Plots for terminal type Swarm45 (Compliance with FCC §25.138)

1.1 Plots for Azimuth Co-Pol (Range: {-90 : 90} deg)

Figure 1 - Plot for 29.5 GHz

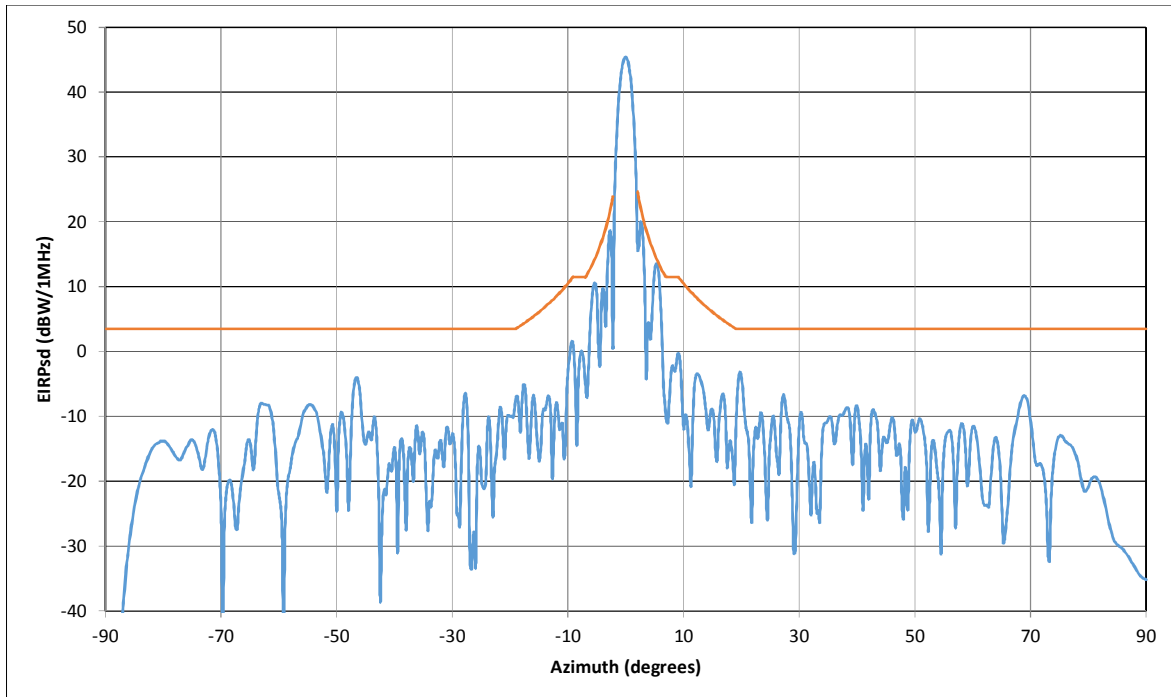
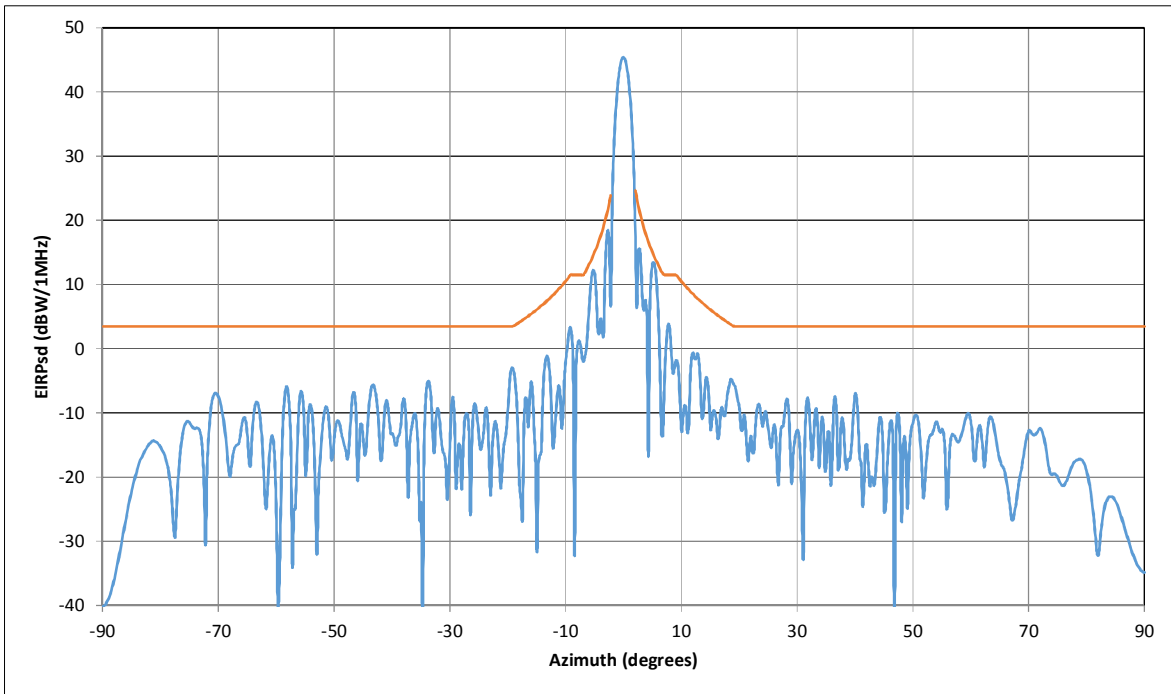


Figure 2 - Plot for 30.0 GHz



1.2 Plots for Azimuth Co-Pol (Range: {-10 : 10} deg)

Figure 3 - Plot for 29.5 GHz

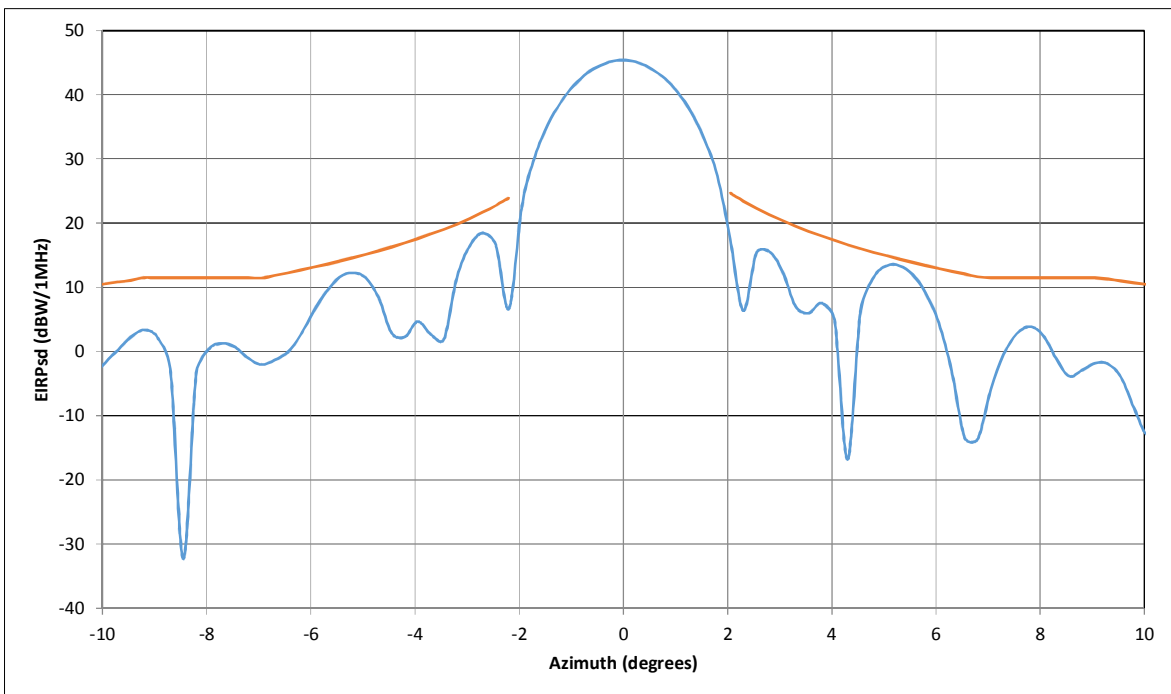
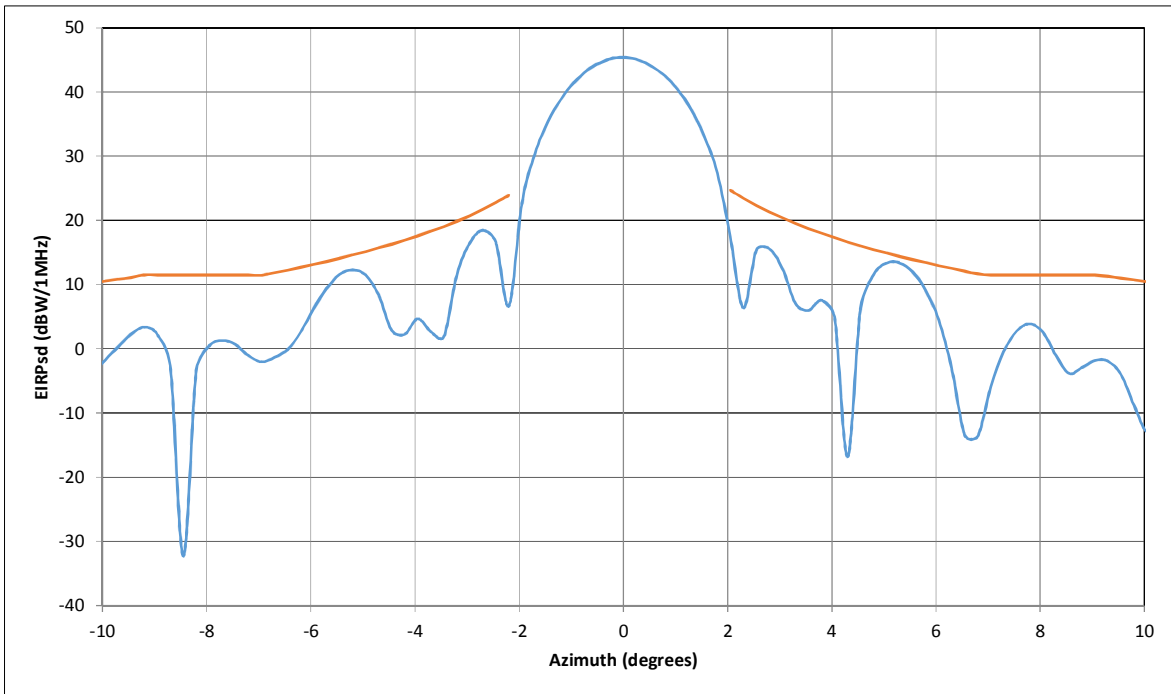


Figure 4 - Plot for 30.0 GHz



1.3 Plots for Elevation Co-Pol (Range: {-10 : 70} deg)

Figure 5 - Plot for 29.5 GHz

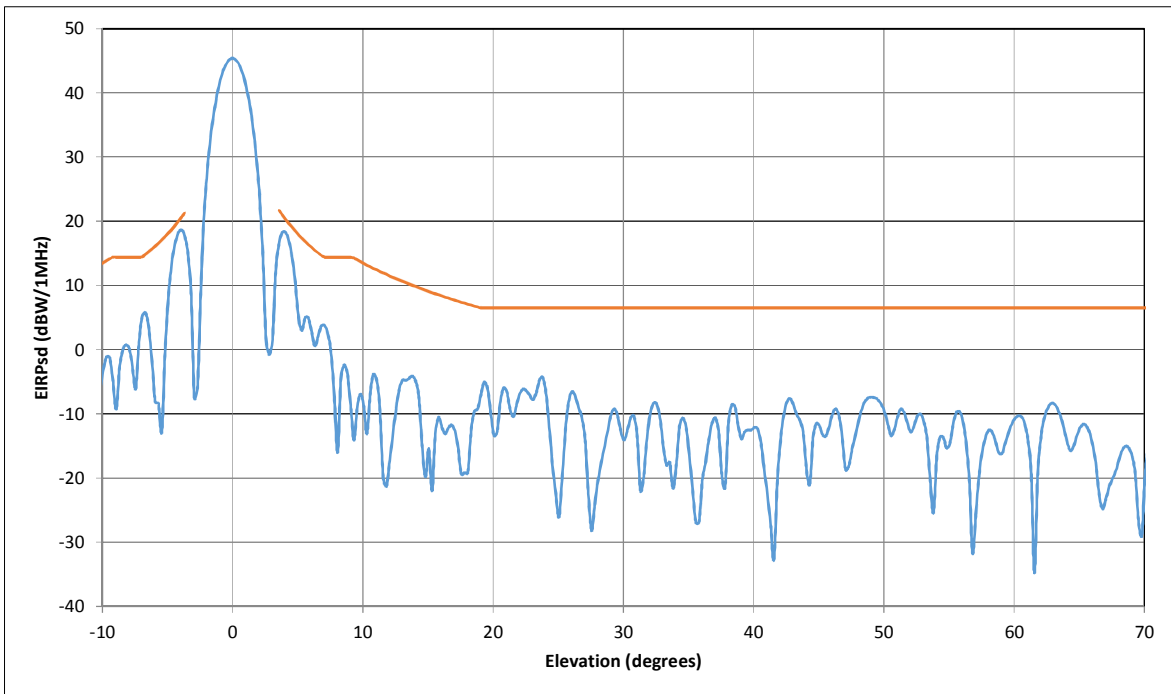
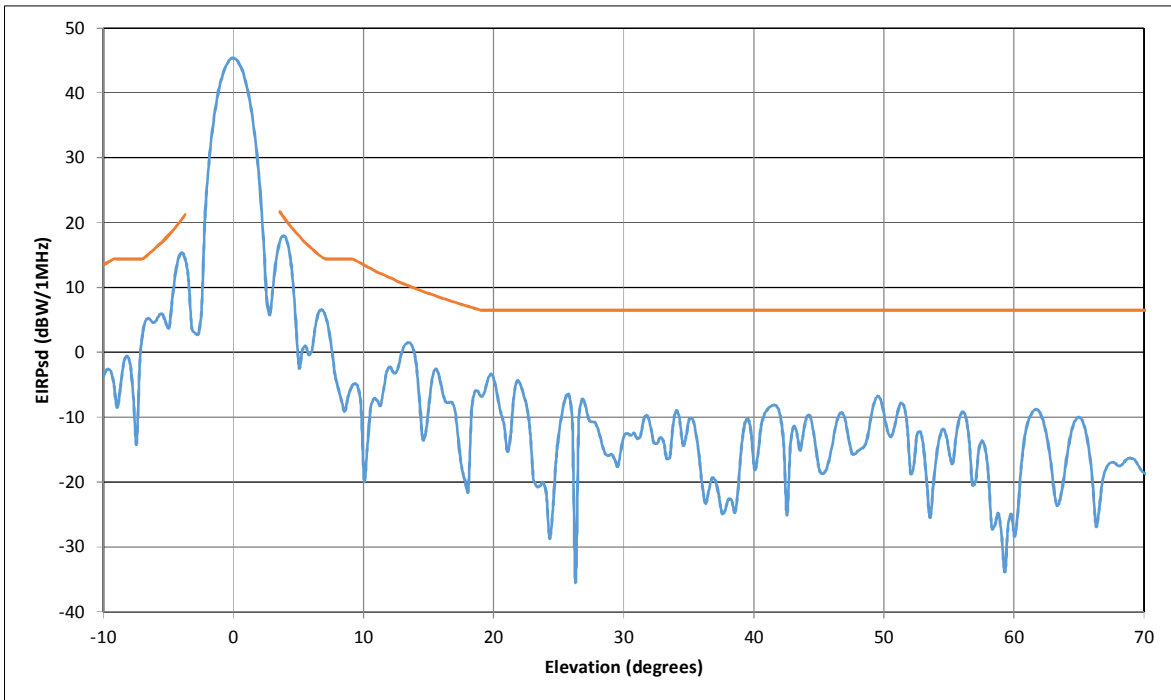


Figure 6 - Plot for 30.0 GHz



1.4 Plots for Azimuth X-Pol (Range: {-10 : 10} deg)

Figure 7 - Plot for 29.5 GHz

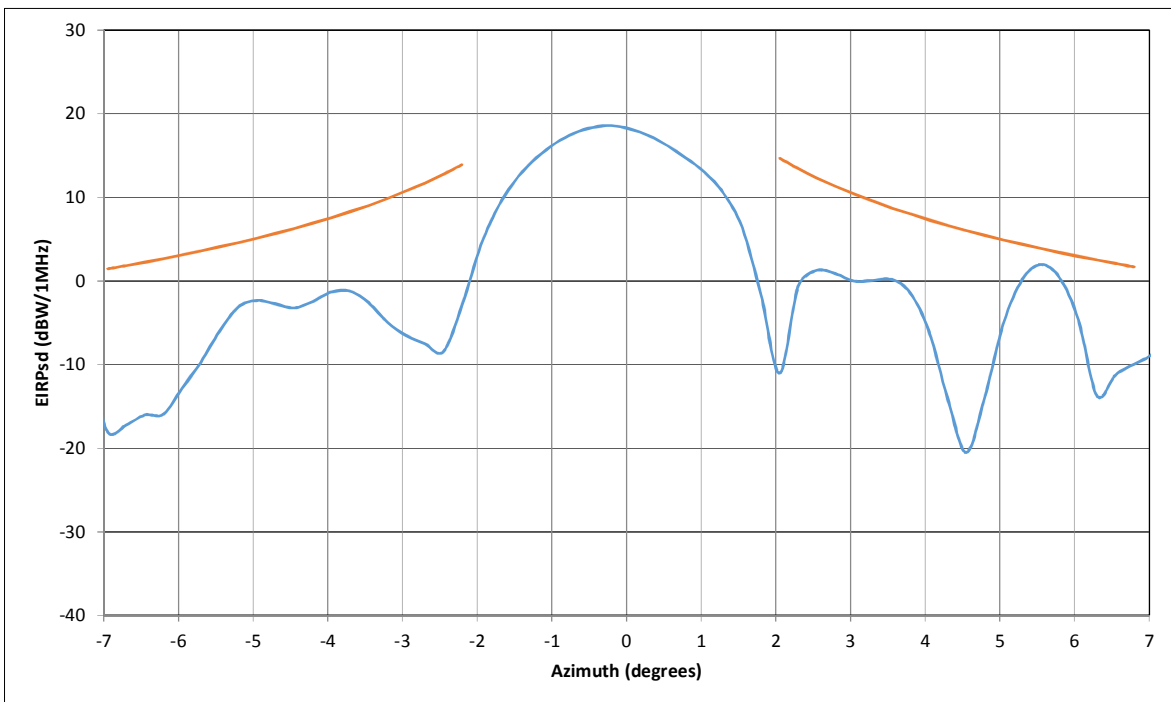
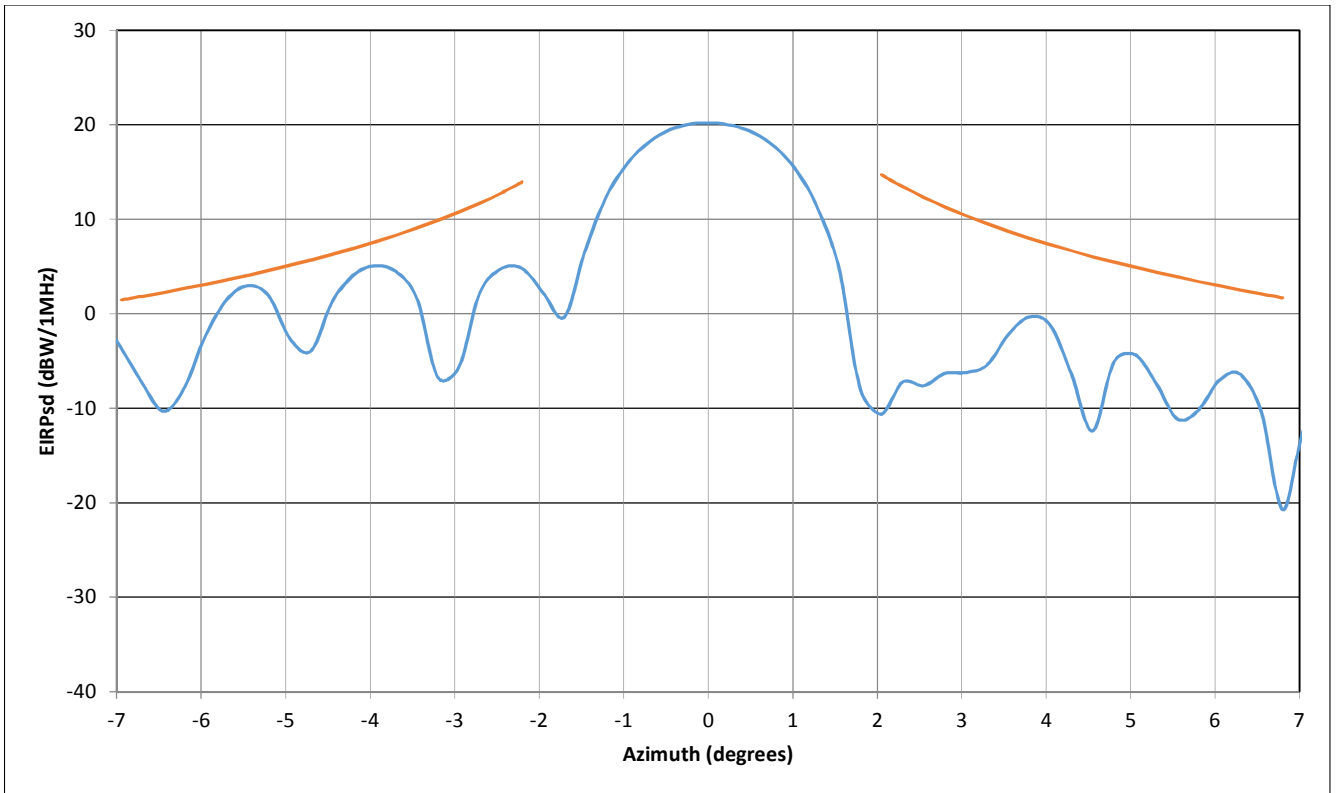


Figure 8 - Plot for 30.0 GHz



1.5 Plots for Elevation X-Pol (Range: {-10 : 10} deg)

Figure 9 - Plot for 29.5 GHz

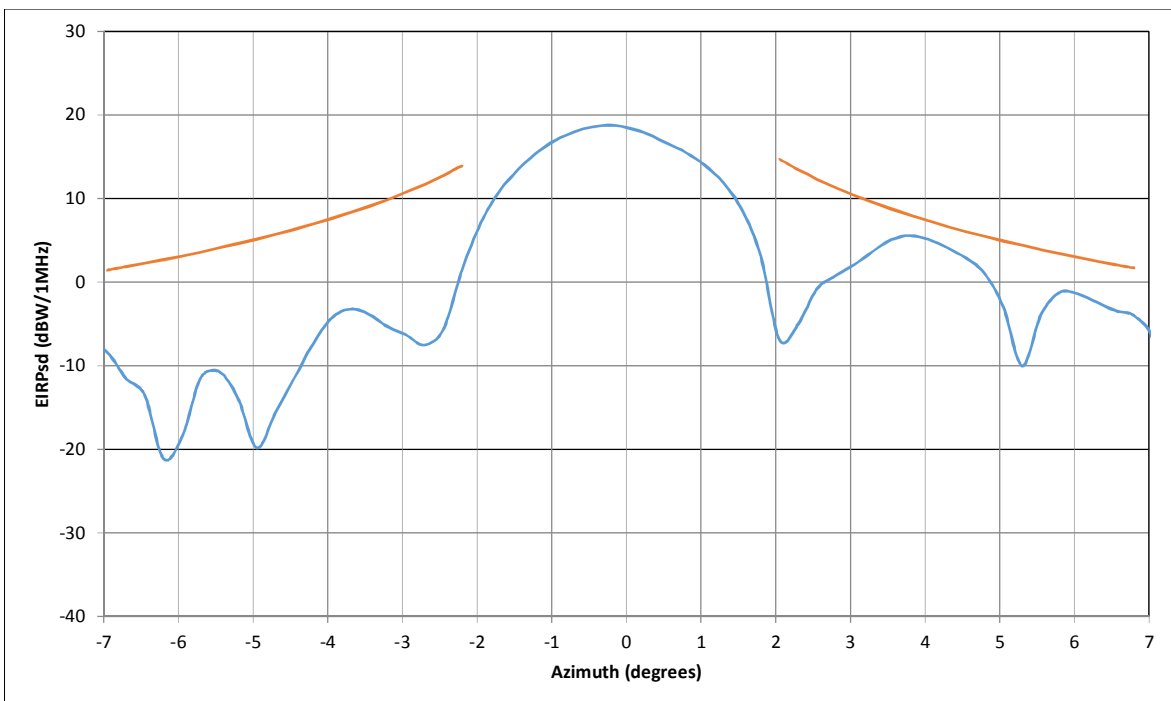


Figure 10 - Plot for 30.0 GHz

