

ISAT US Inc.
FCC Form 312
EXHIBIT B—Antenna Patterns

The following attachments contain the plots for the proposed earth station terminals with respect to the requirements established by Section 25.209 of the Commission's Rules.

EXHIBIT B-1

Plots for Cobham terminal model 6075

The following attachment contains all the plots requested for showing the compliance of the Cobham 6075 Terminals with the requirements established by Section 25.209. The plots refer to the frequencies listed in Table 1 below.

Table 1 - Measurement points for plots

Tx frequencies (§25.138)	29.5 GHz	29.75 GHz	30.0 GHz

Each plot is compared with the relevant mask.

Transmit plots for terminal type 75cm 6075LX (compliance with § 25.209)

1

Plots for Azimuth Co-Pol

(Range: {-180 : 180} deg)

Figure 1 - Plot for 29.5 GHz

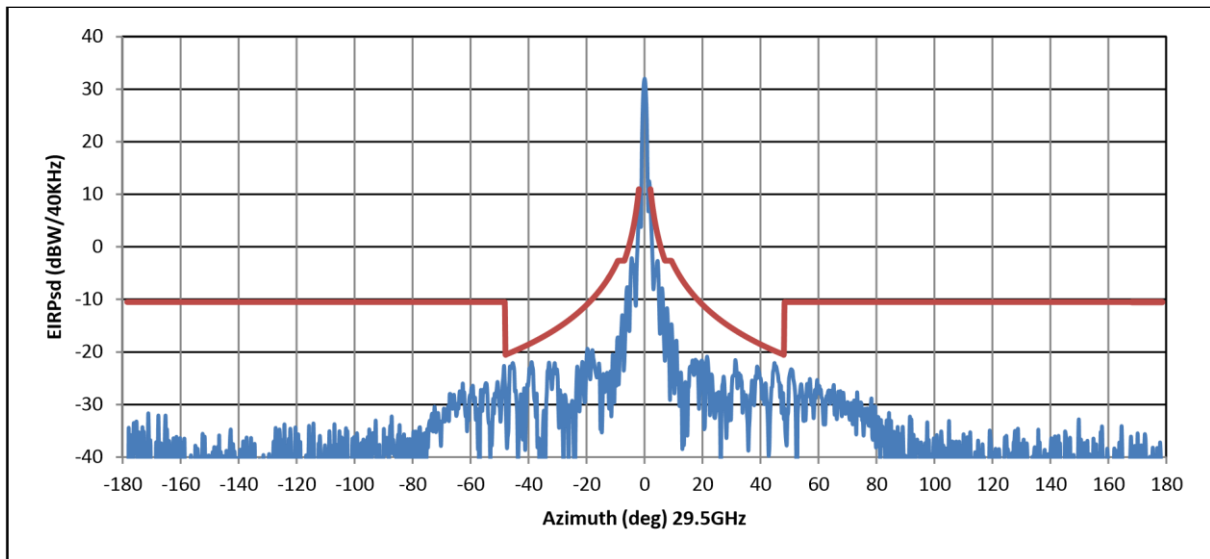


Figure 2 - Plot for 29.75 GHz

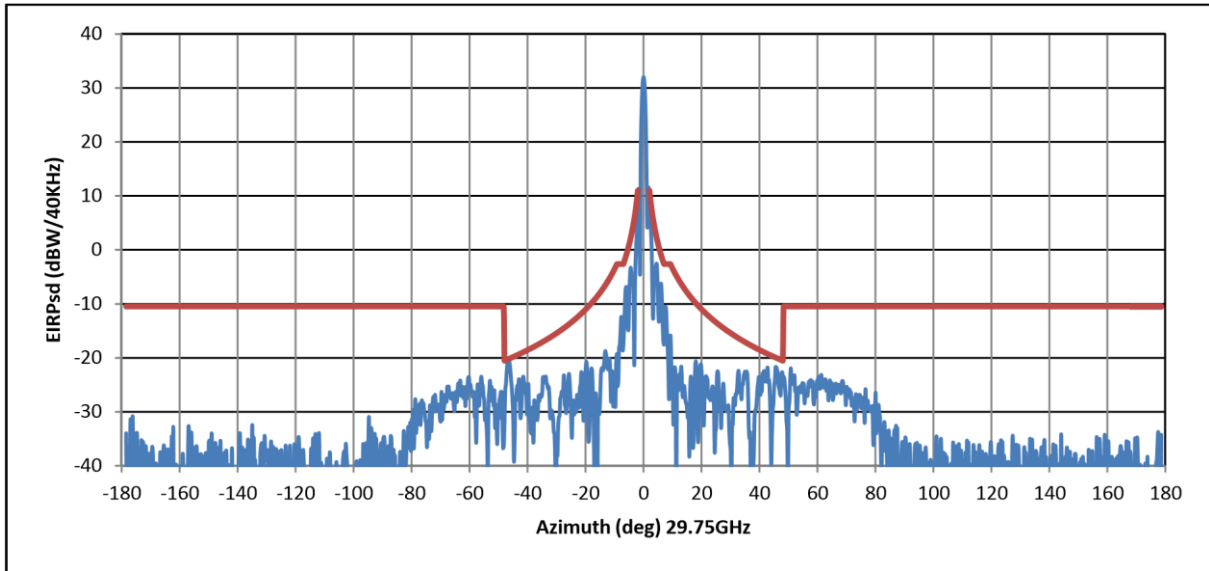
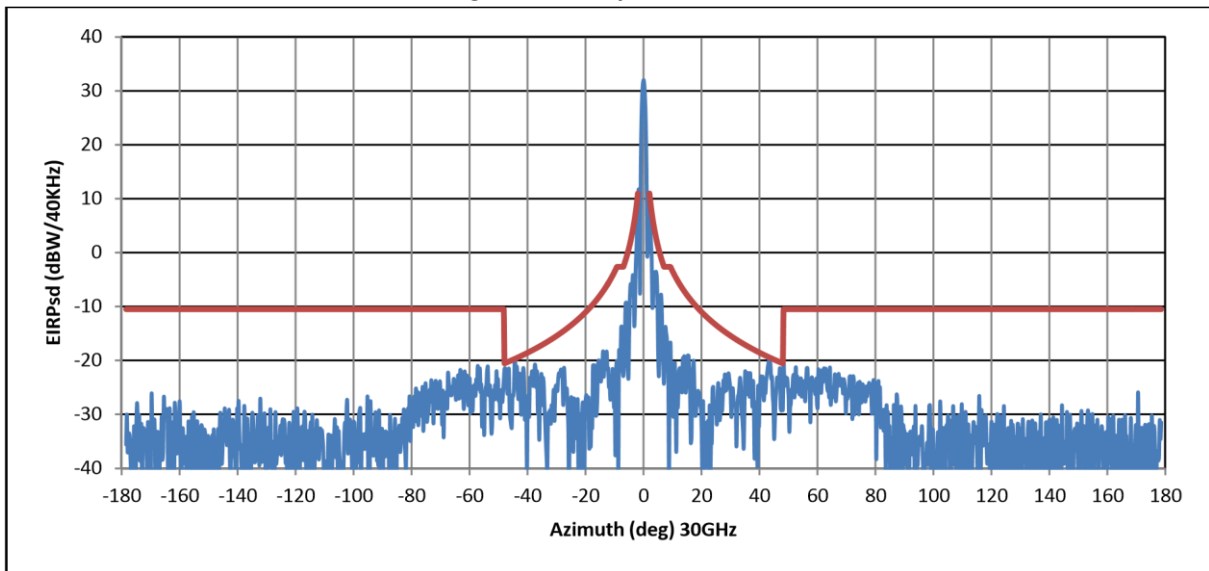


Figure 3 - Plot for 30.0 GHz



2

Plots for Azimuth Co-Pol

(Range: {-10 : 10} deg)

Figure 4 - Plot for 29.5 GHz

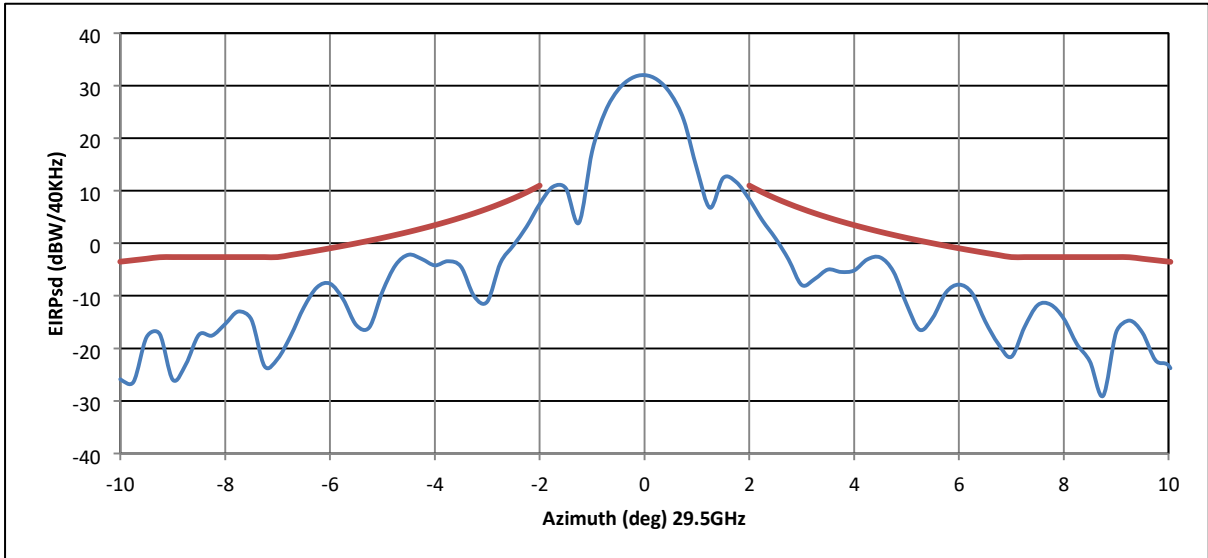


Figure 5 - Plot for 29.75 GHz

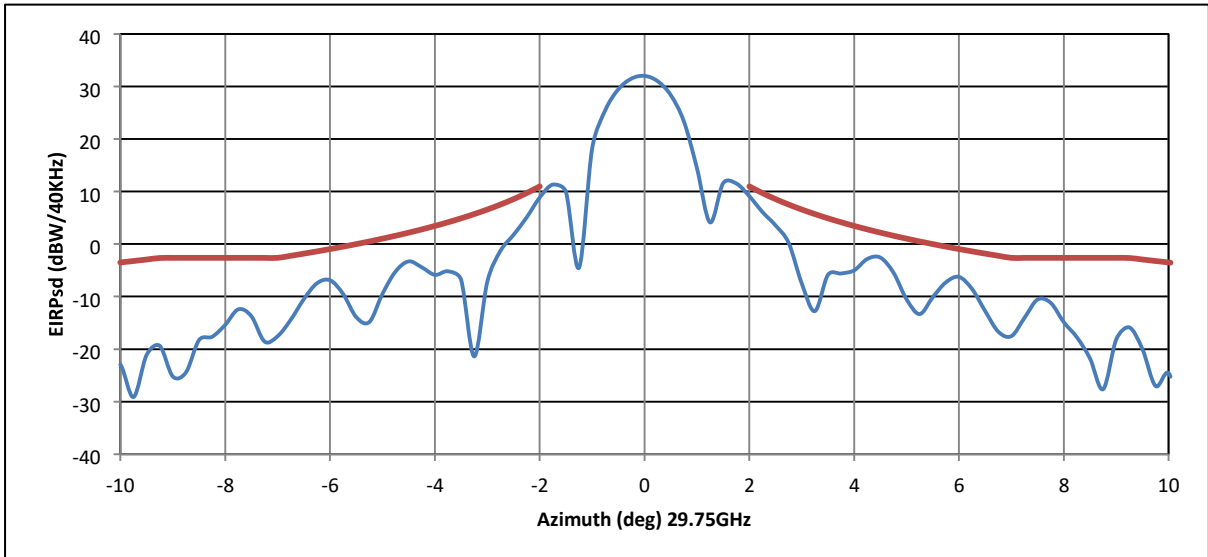
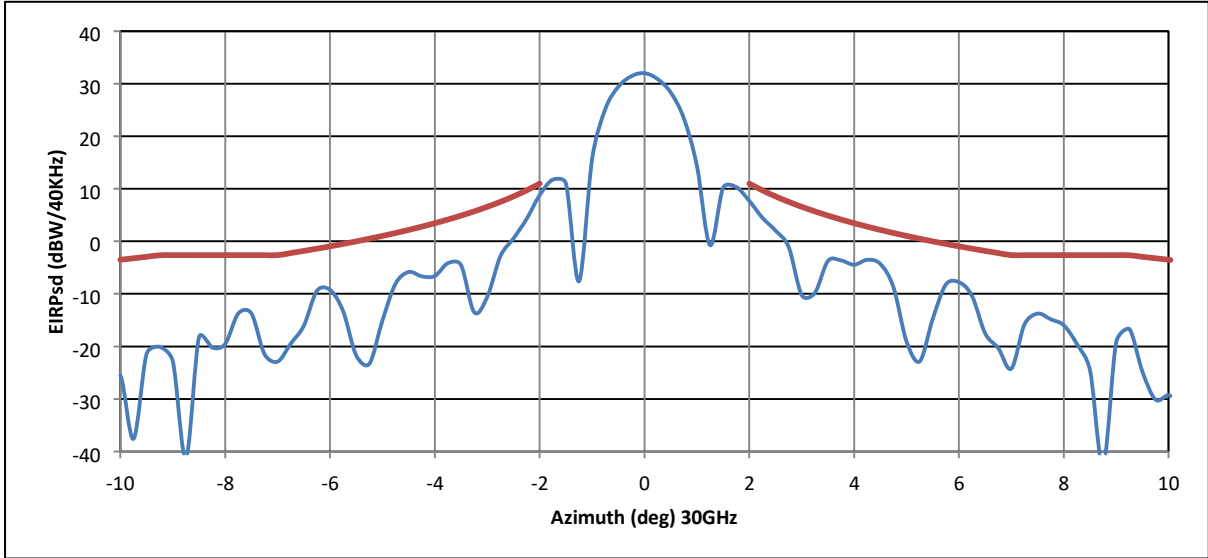


Figure 6 - Plot for 30.0 GHz



3

Plots for Elevation Co-Pol

(Range: {0 : 30} deg) Figure

7 - Plot for 29.5 GHz

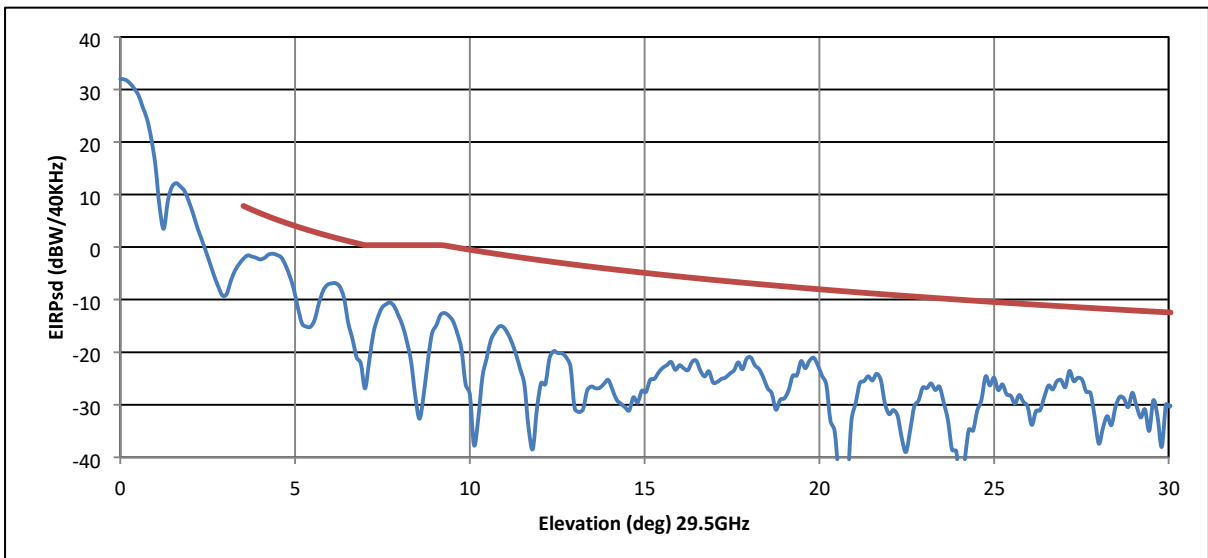


Figure 8 - Plot for 29.75 GHz

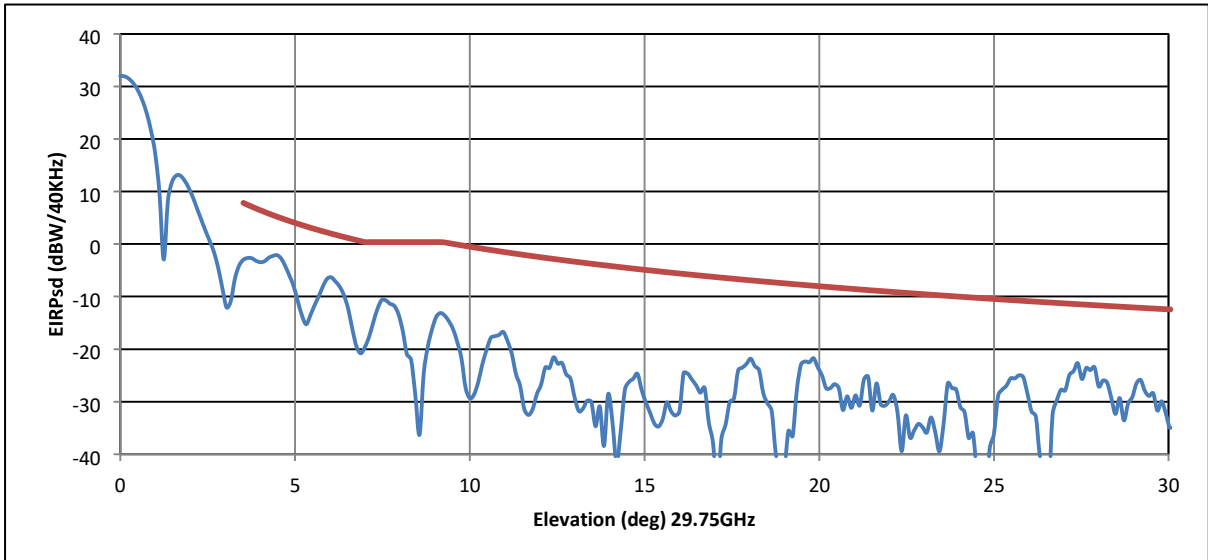
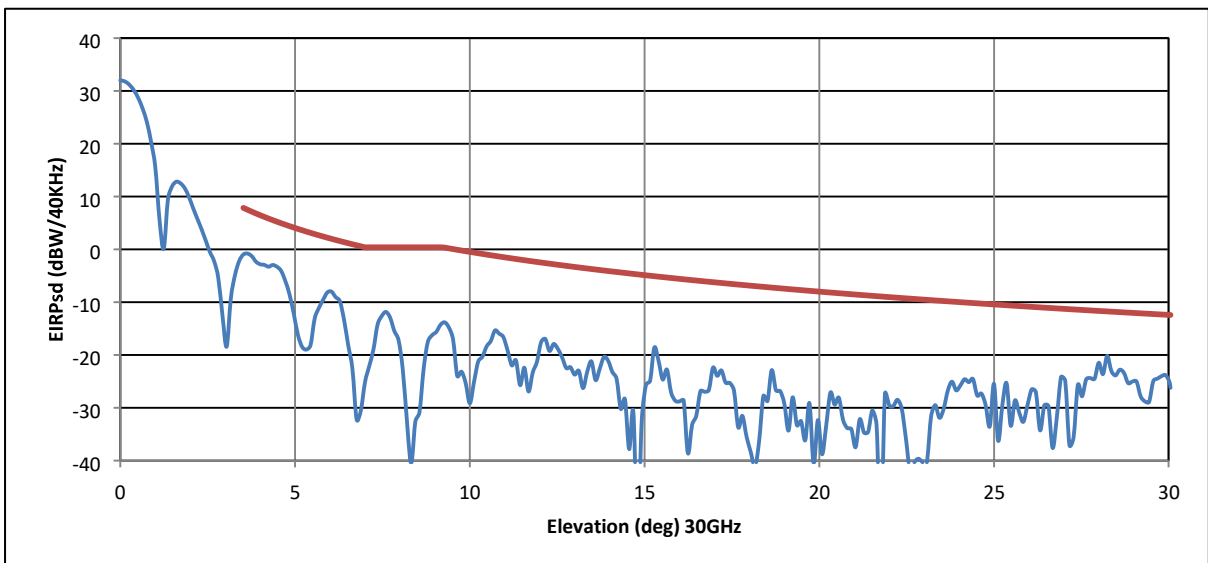


Figure 9 - Plot for 30.0 GHz



Plots for Azimuth X-Pol

(Range: {-10 : 10} deg)

Figure 10 - Plot for 29.5 GHz

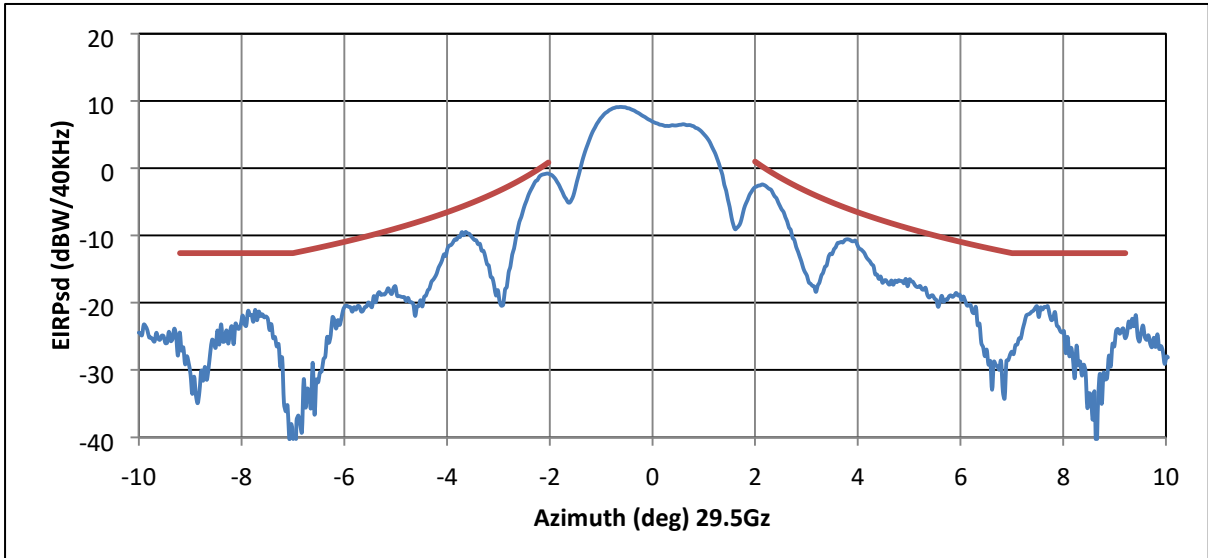


Figure 11 - Plot for 29.75 GHz

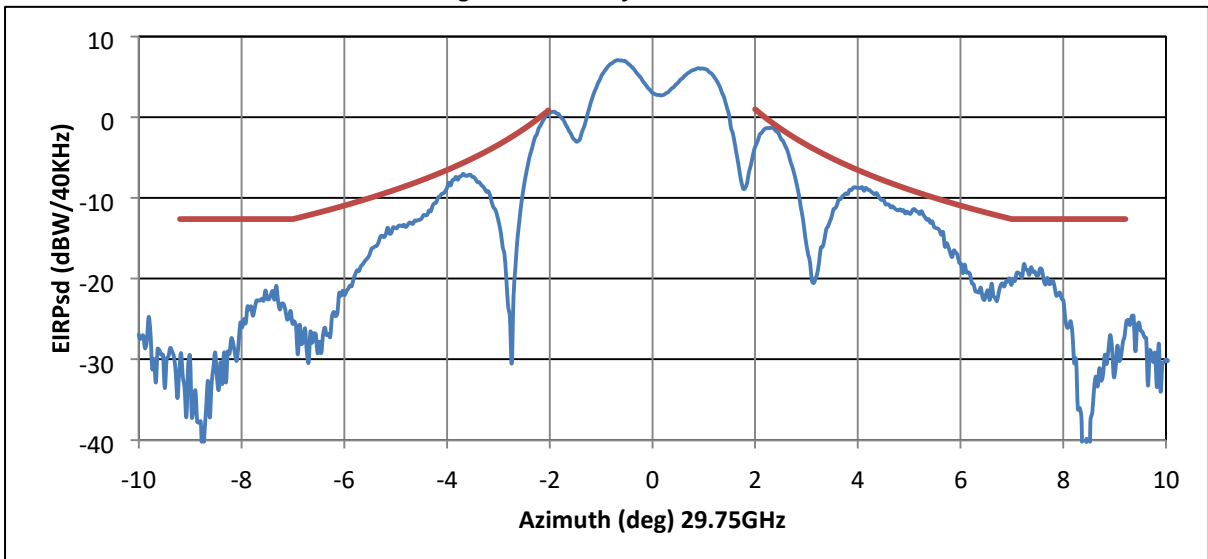
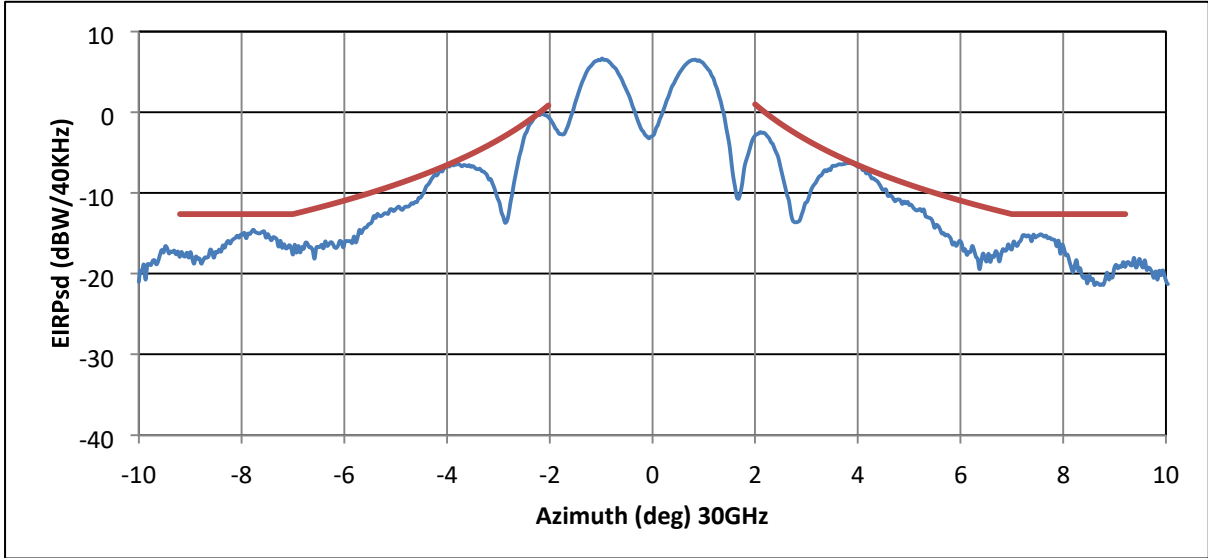


Figure 12 - Plot for 30.0 GHz



5

Plots for Elevation X-Pol

(Range: {-10 : 10} deg)

Figure 13 - Plot for 29.5 GHz

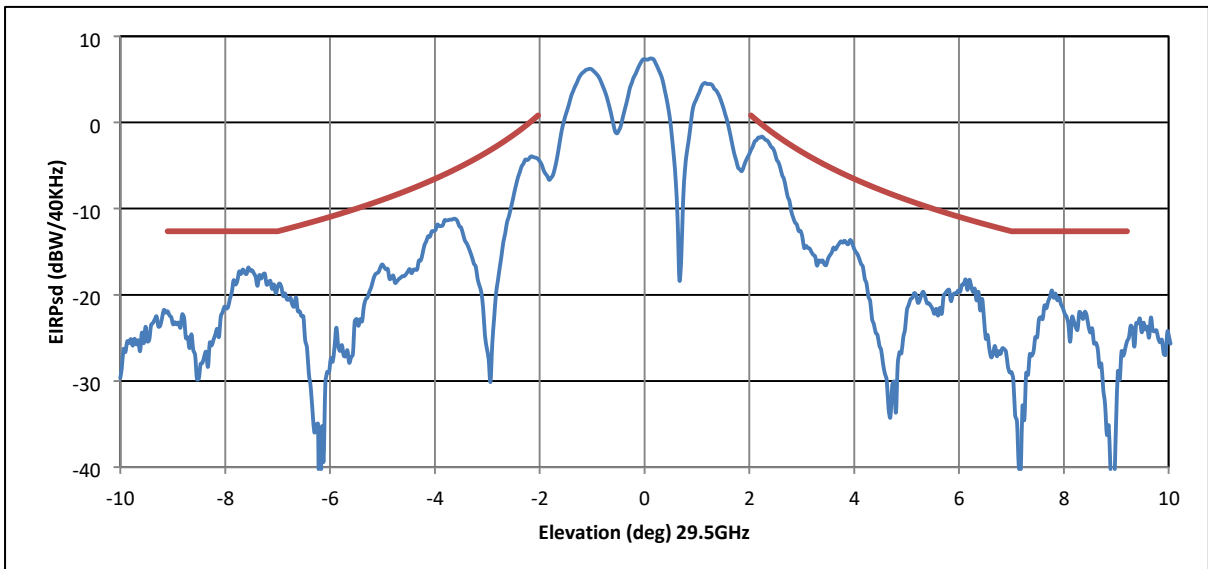


Figure 14 - Plot for 29.75 GHz

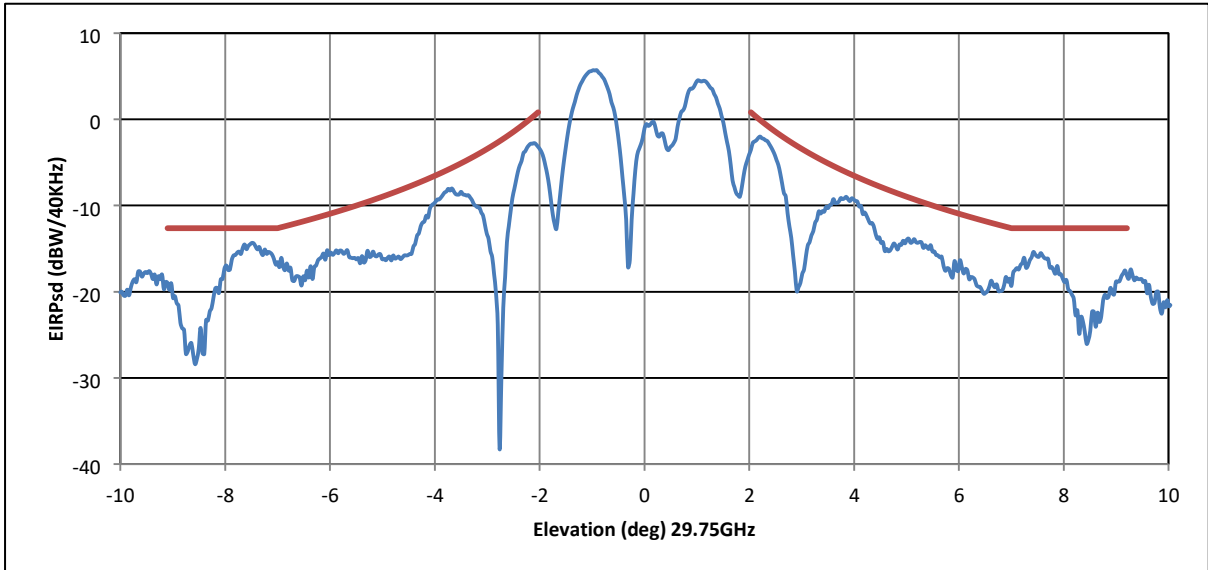


Figure 15 - Plot for 30.0 GHz

