

**ISAT US Inc.  
FCC Form 312  
Exhibit B**

**Plots for Cobham SeaTel terminal model Sailor 100 GX**

The following attachment contains all the plots requested for showing the compliance of the Cobham SeaTel terminal model Sailor 100 GX with the requirements established by FCC §25.138 and §25.209. The plots refer to the frequencies listed in Table 1 below.

*Table 1 - Measurement points for plots*

<b>Tx frequencies (§25.138)</b>	29.5 GHz	29.75 GHz	30.0 GHz
<b>Rx frequencies (§25.209)</b>	19.7 GHz	19.95 GHz	20.2 GHz

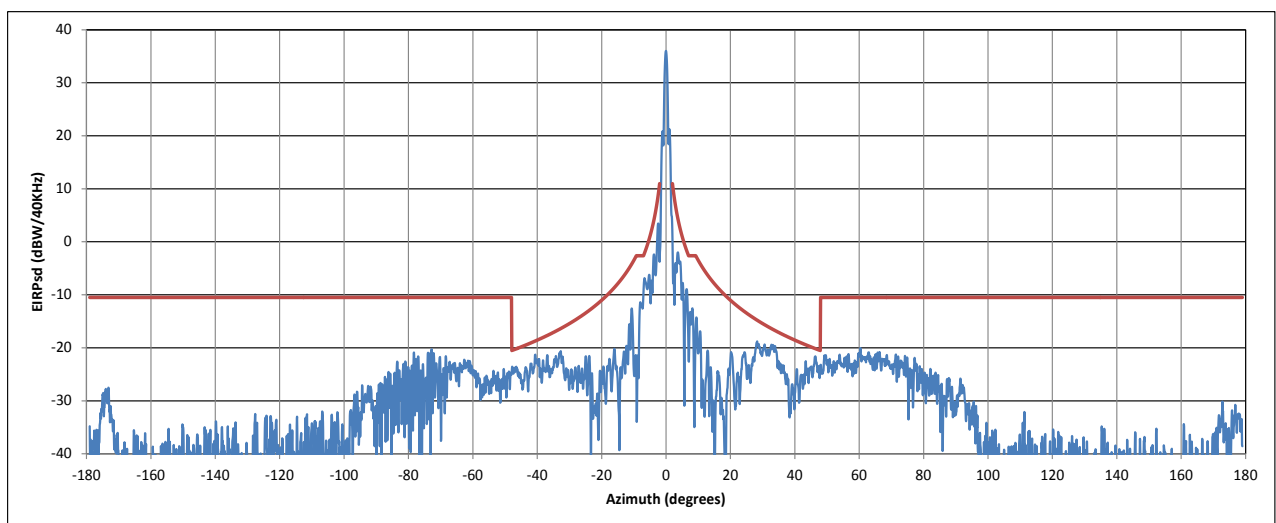
Each plot is compared with the relevant mask derived from the FCC references above.

**1. Plots for terminal type Sailor 100 GX**

**1.1 Transmit plots (compliance with FCC §25.138)**

**1.1.1 Plots for Azimuth Co-Pol (Range: {-180 : 180} deg)**

*Figure 1 - Plot for 29.5 GHz*



*Figure 2 - Plot for 29.75 GHz*

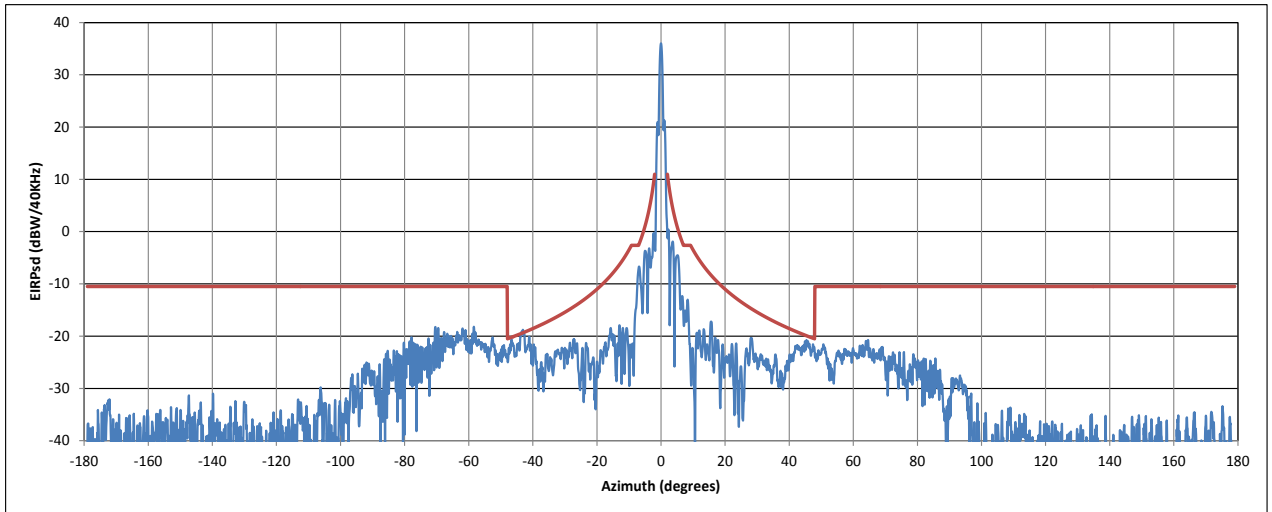
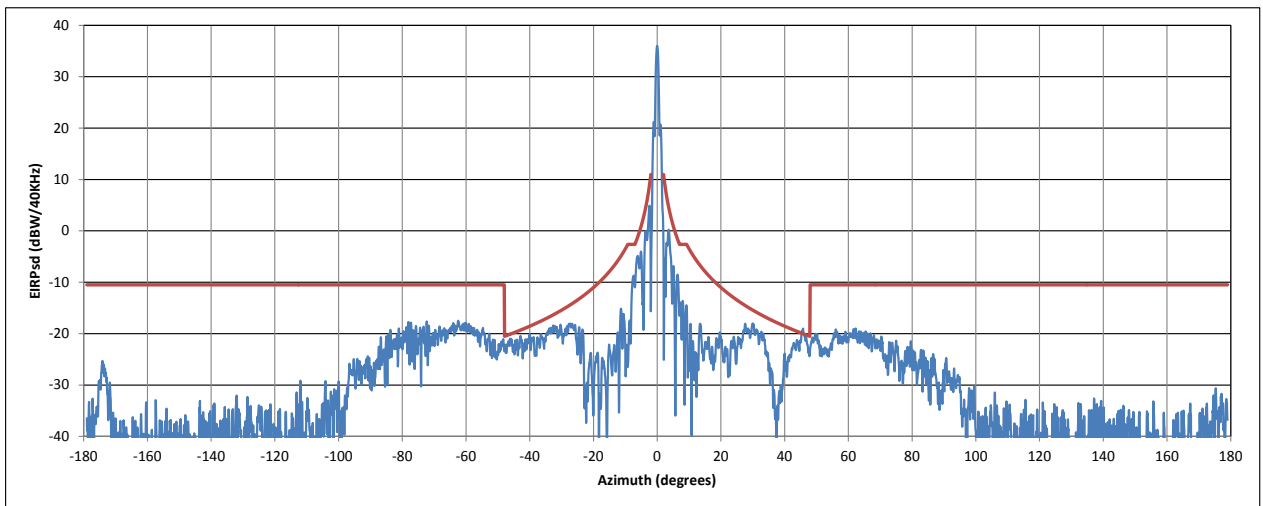


Figure 3 - Plot for 30.0 GHz



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

Figure 4 - Plot for 29.5 GHz

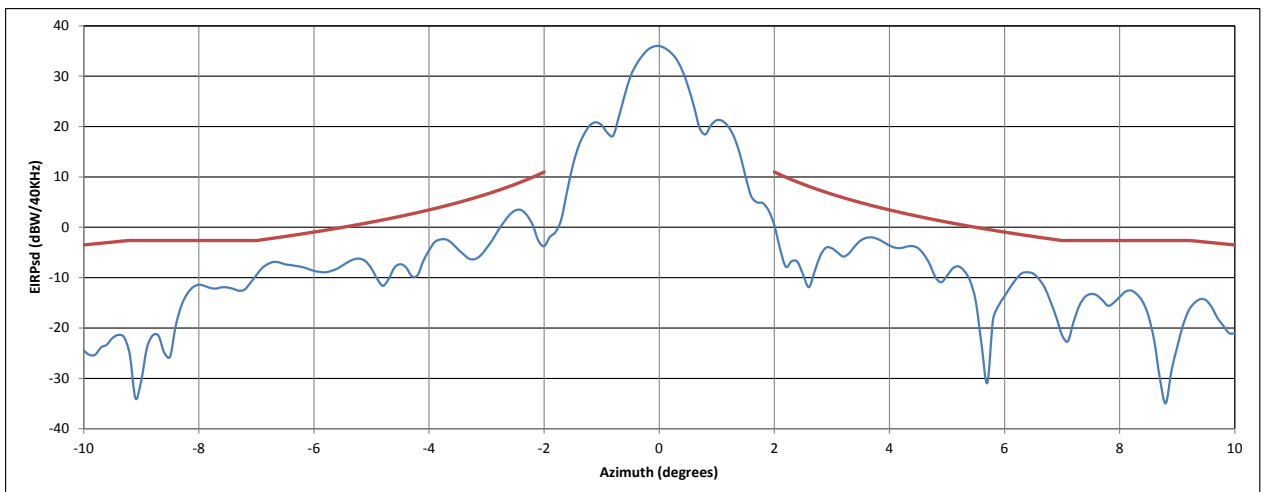


Figure 5 - Plot for 29.75 GHz

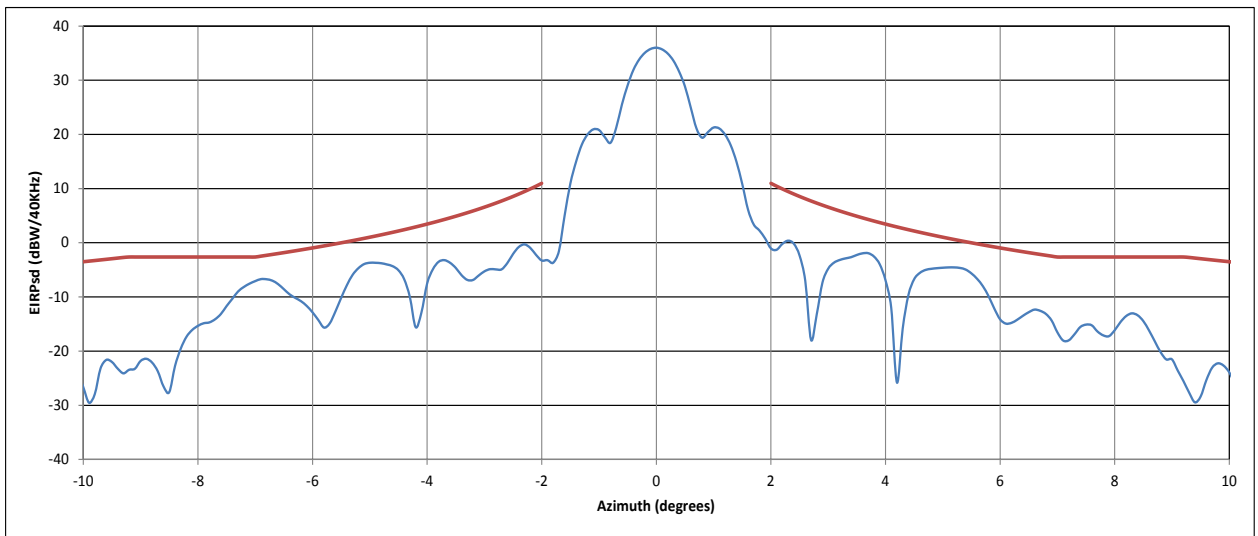
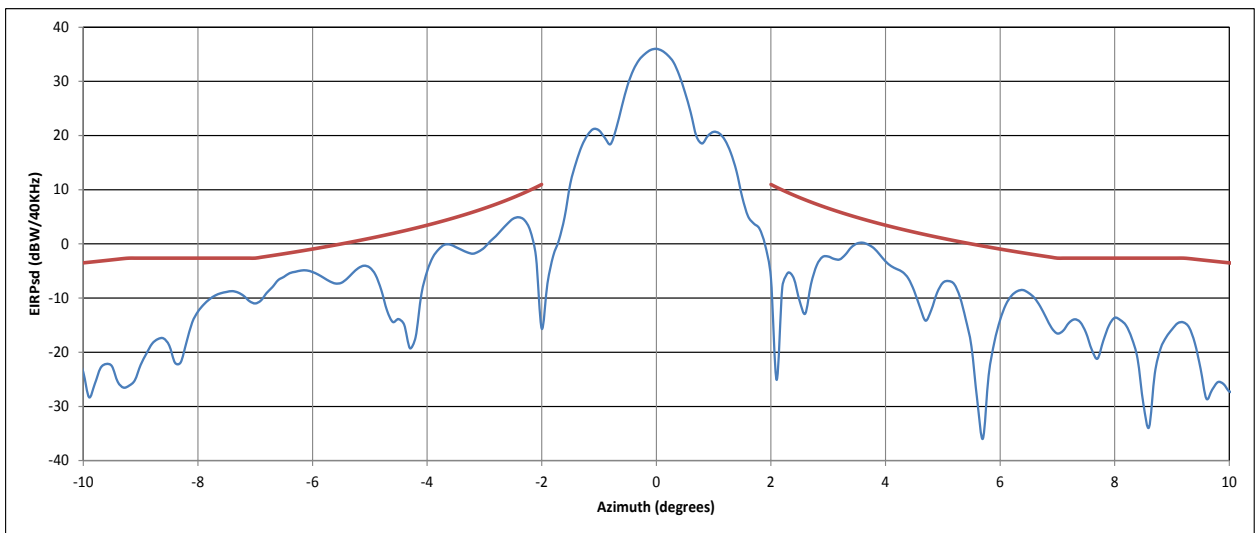


Figure 6 - Plot for 30.0 GHz



### 1.1.3 Plots for Elevation Co-Pol (Range: {0 : 30} deg)

Figure 7 - Plot for 29.5 GHz

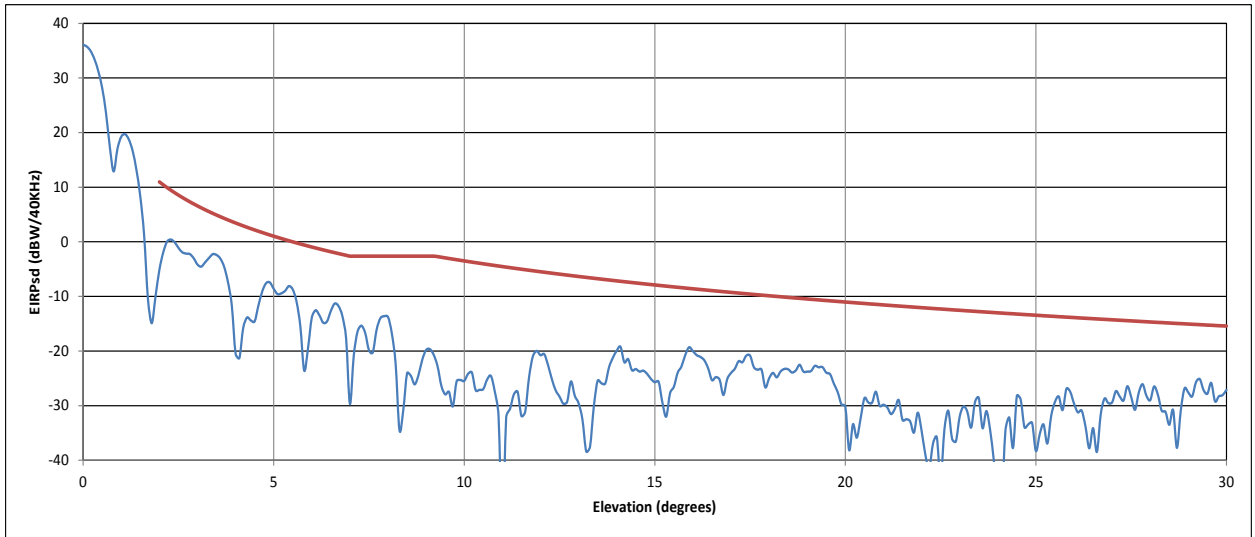


Figure 8 - Plot for 29.75 GHz

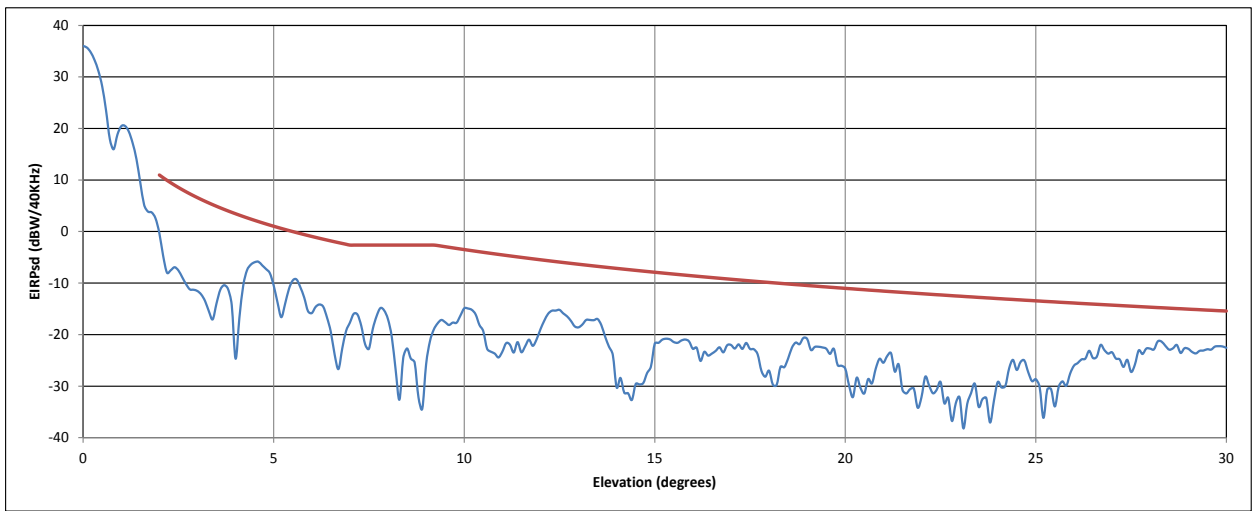
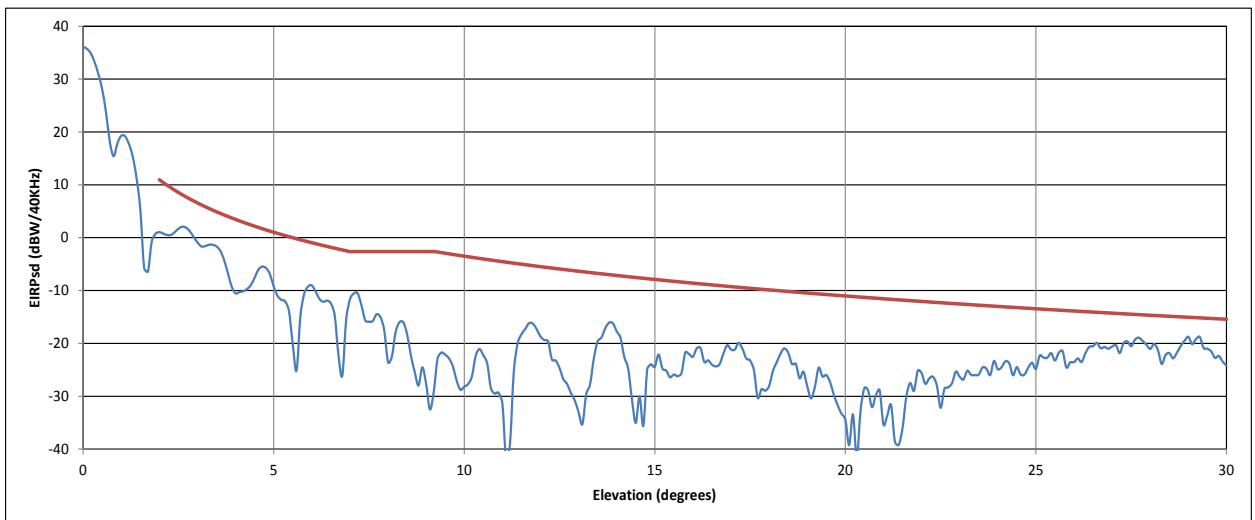


Figure 9 - Plot for 30.0 GHz



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

Figure 10 - Plot for 29.5 GHz

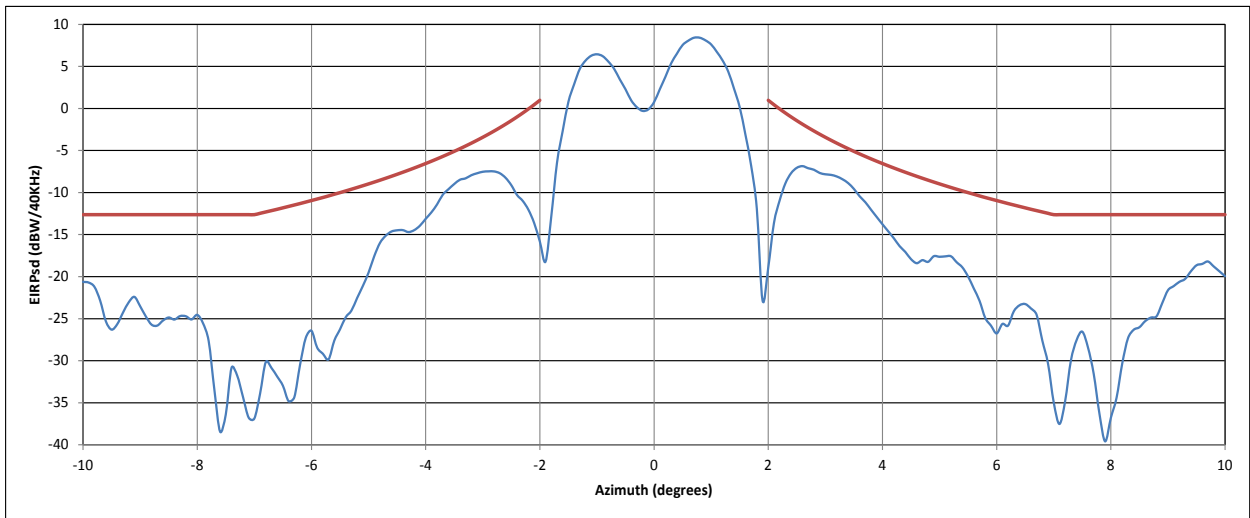


Figure 11 - Plot for 29.75 GHz

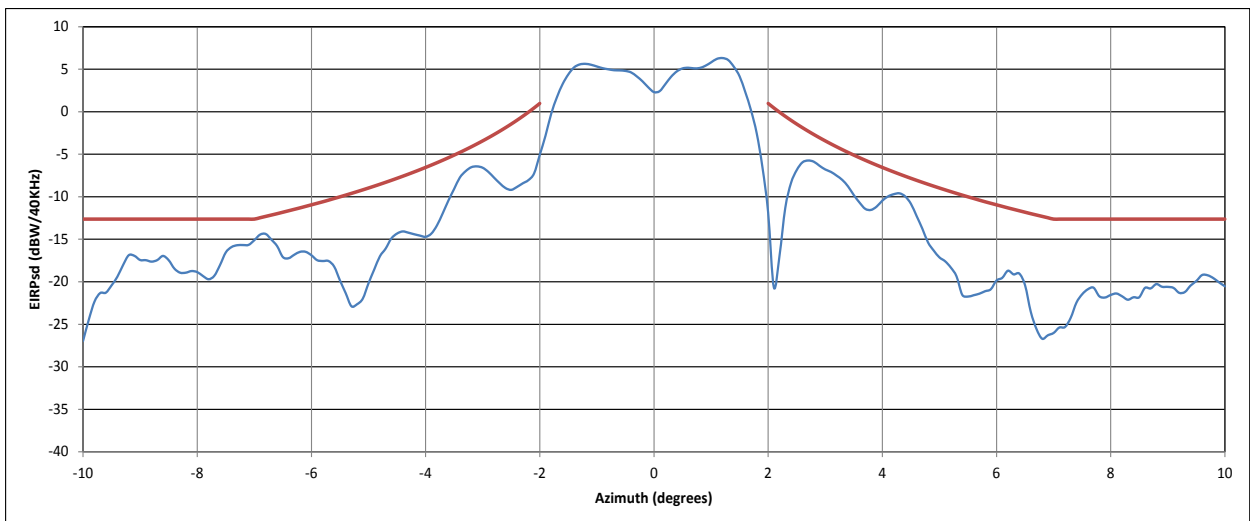
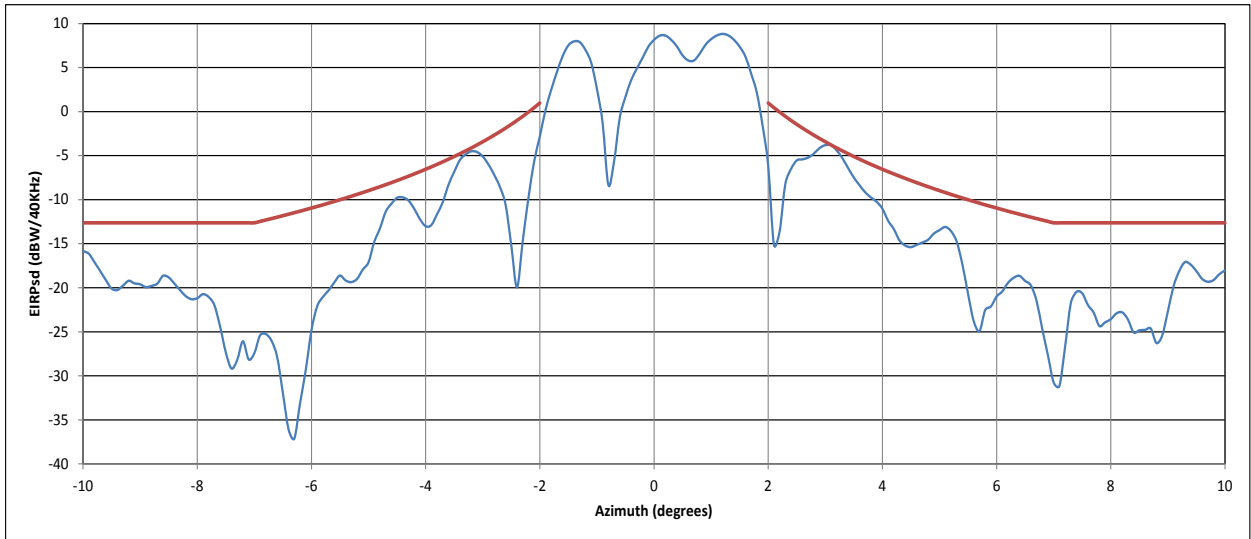


Figure 12 - Plot for 30.0 GHz



### 1.1.5 Plots for Elevation X-Pol (Range: {0 : 10} deg)

Figure 13 - Plot for 29.5 GHz

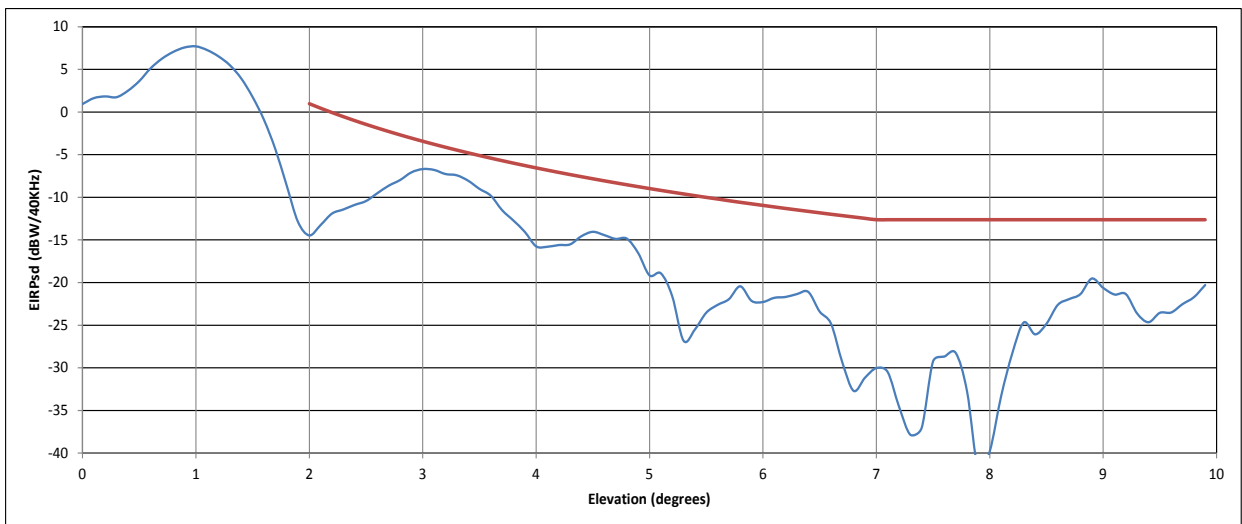


Figure 14 - Plot for 29.75 GHz

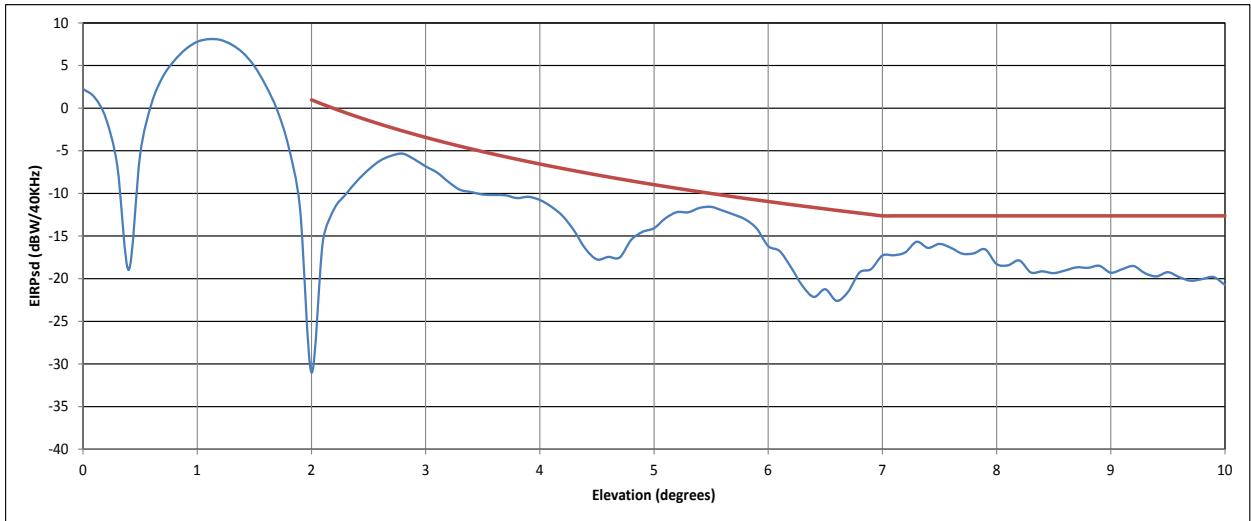
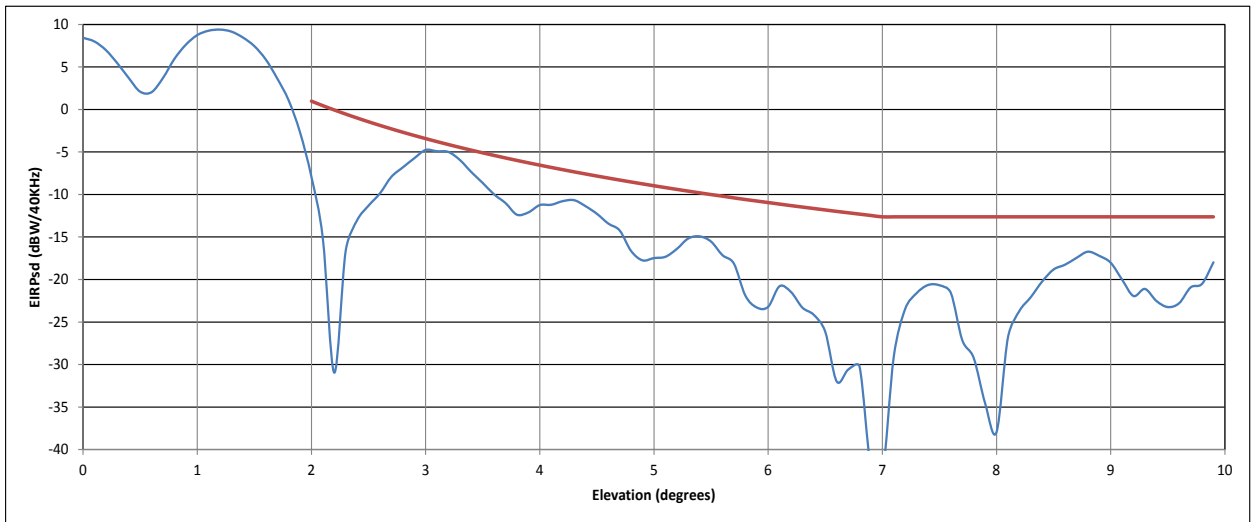


Figure 15 - Plot for 30.0 GHz



## 1.2 Receive plots (compliance with FCC §25.209)

### 1.2.1 Plots for Azimuth Co-Pol (Range: {-180 : 180} deg)

Figure 16 - Plot for 19.7 GHz

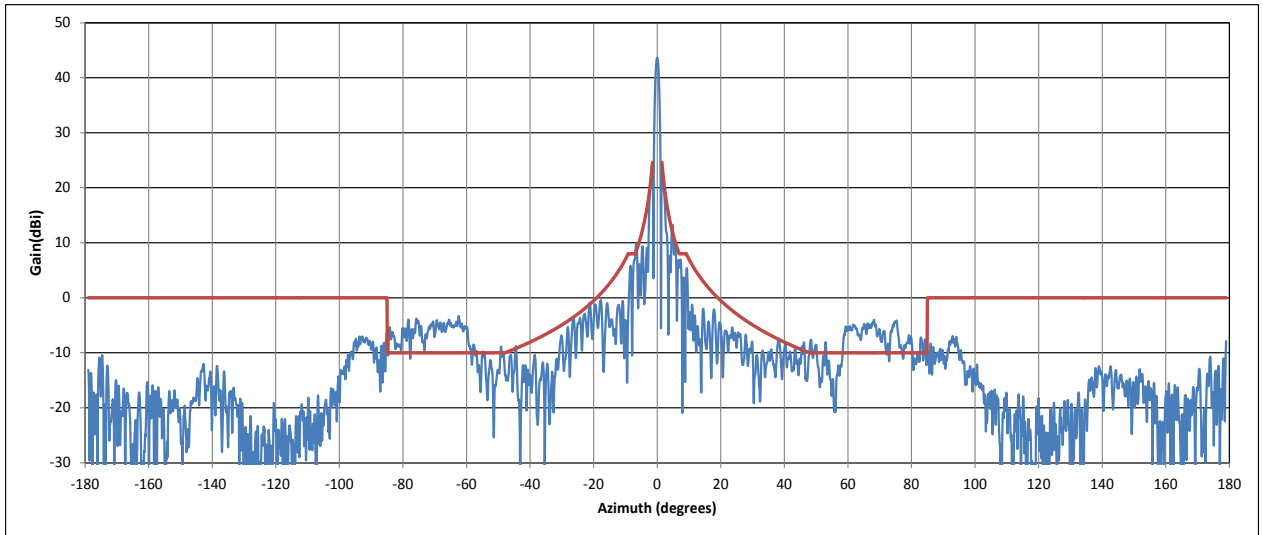


Figure 17 - Plot for 19.95 GHz

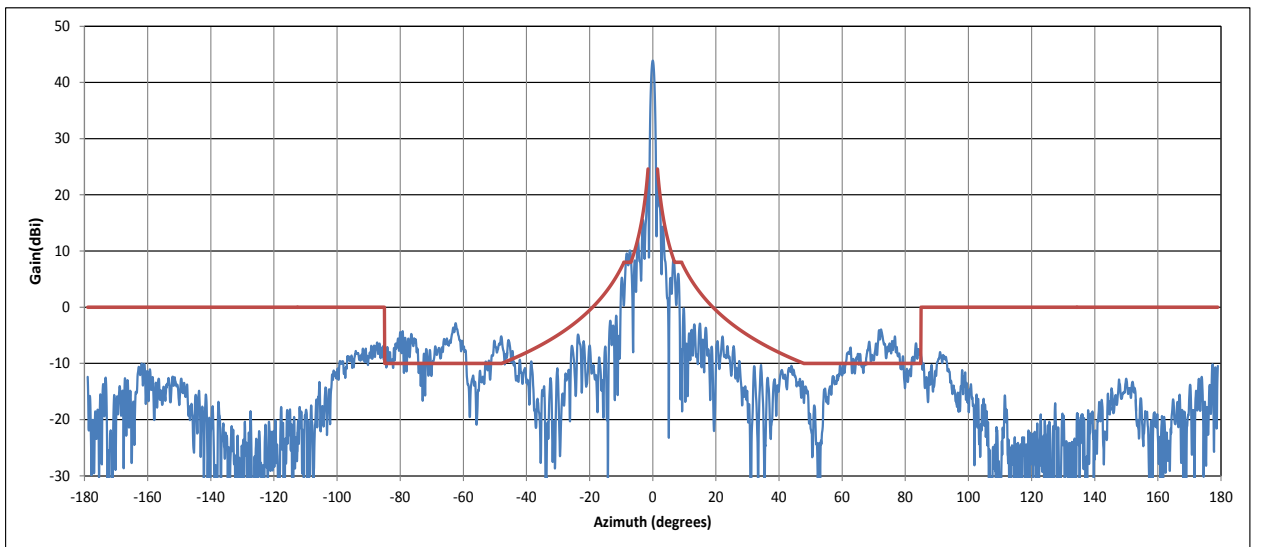
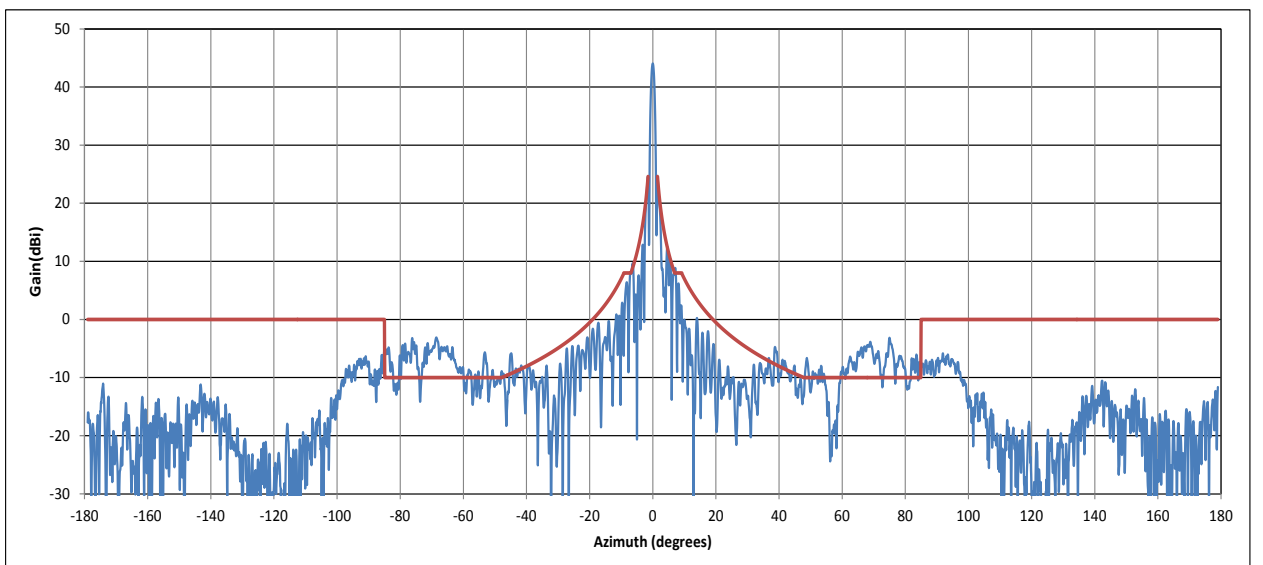


Figure 18 - Plot for 20.2 GHz





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

Figure 19 - Plot for 19.7 GHz

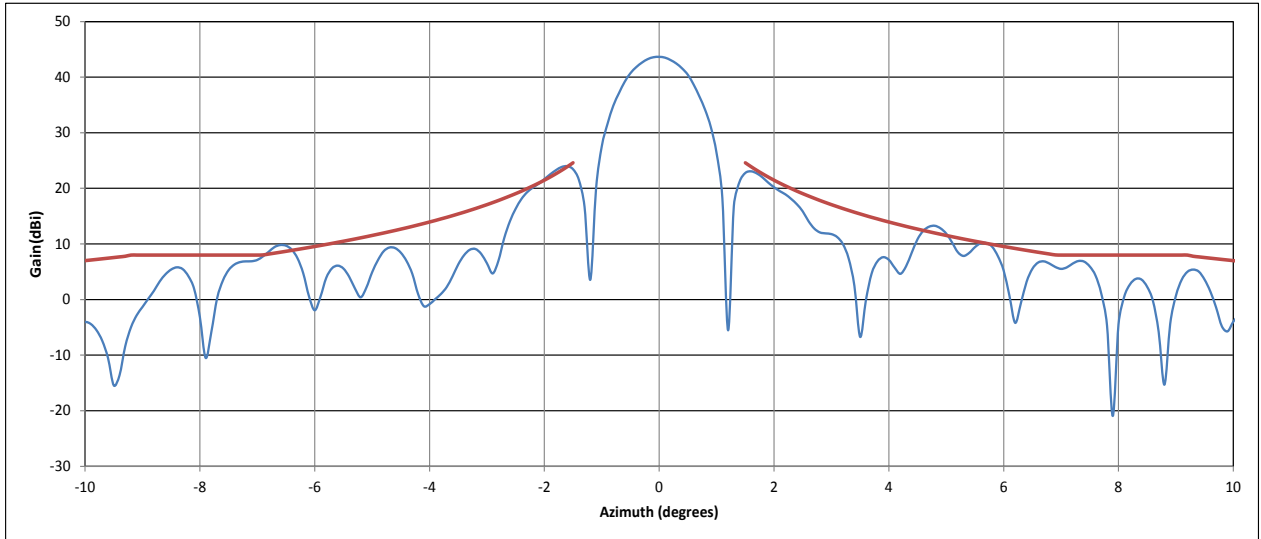


Figure 20 - Plot for 19.95 GHz

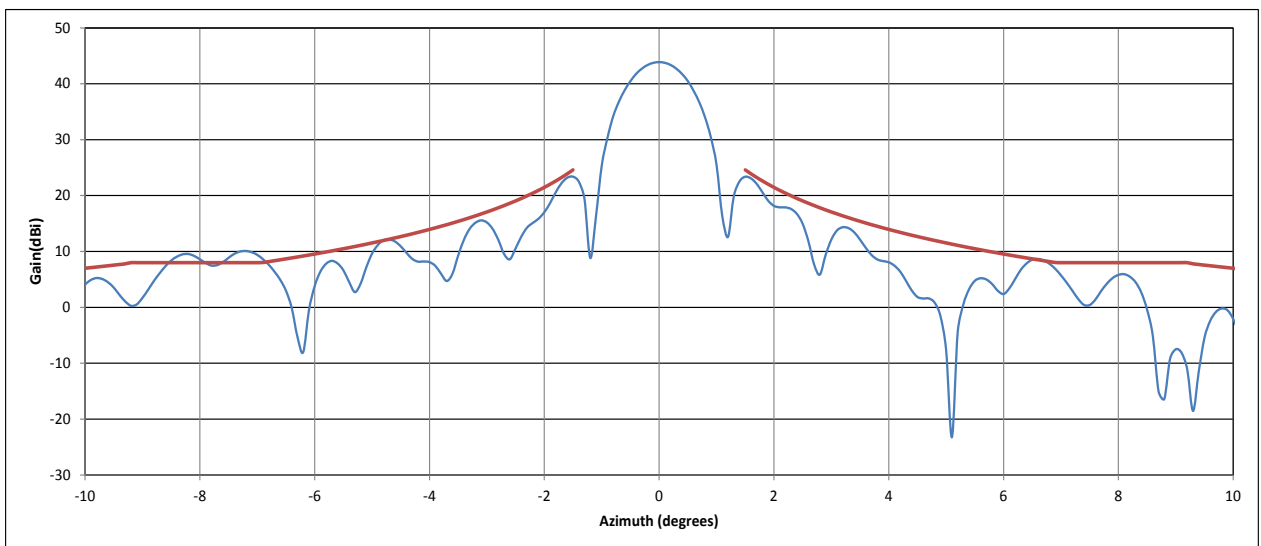
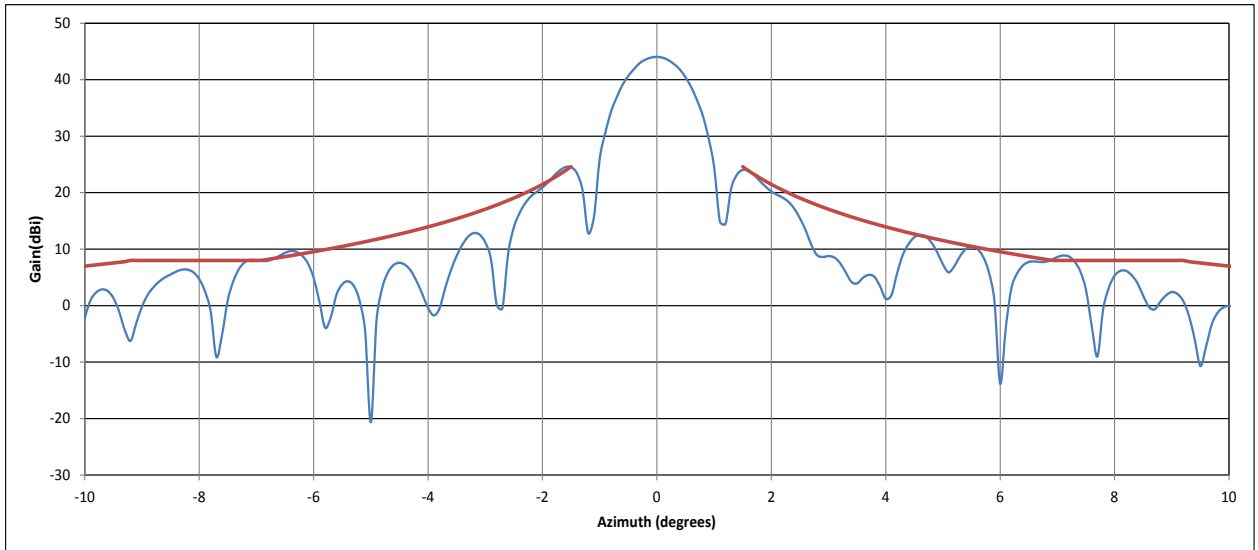


Figure 21 - Plot for 20.2 GHz



### 1.2.3 Plots for Elevation Co-Pol (Range: {0 : 30} deg)

Figure 22 - Plot for 19.7 GHz

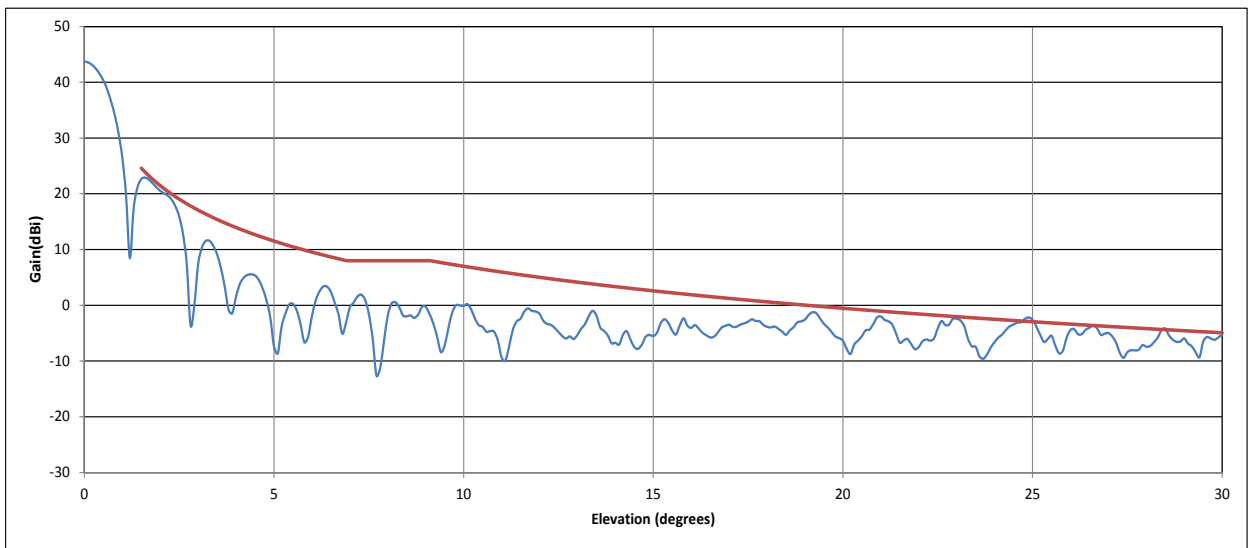


Figure 23 - Plot for 19.95 GHz

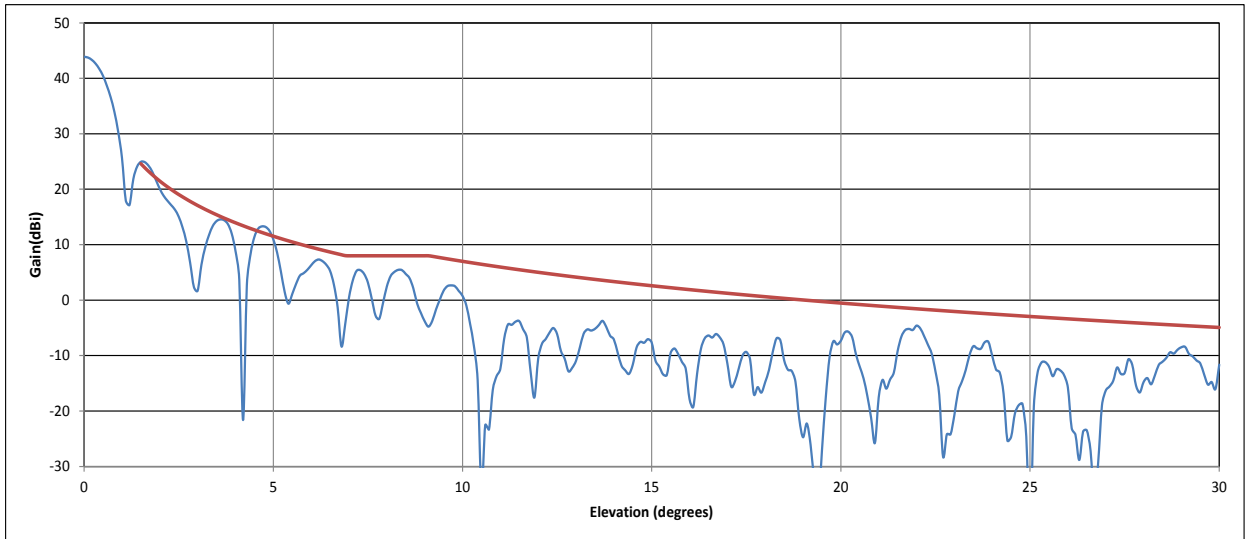
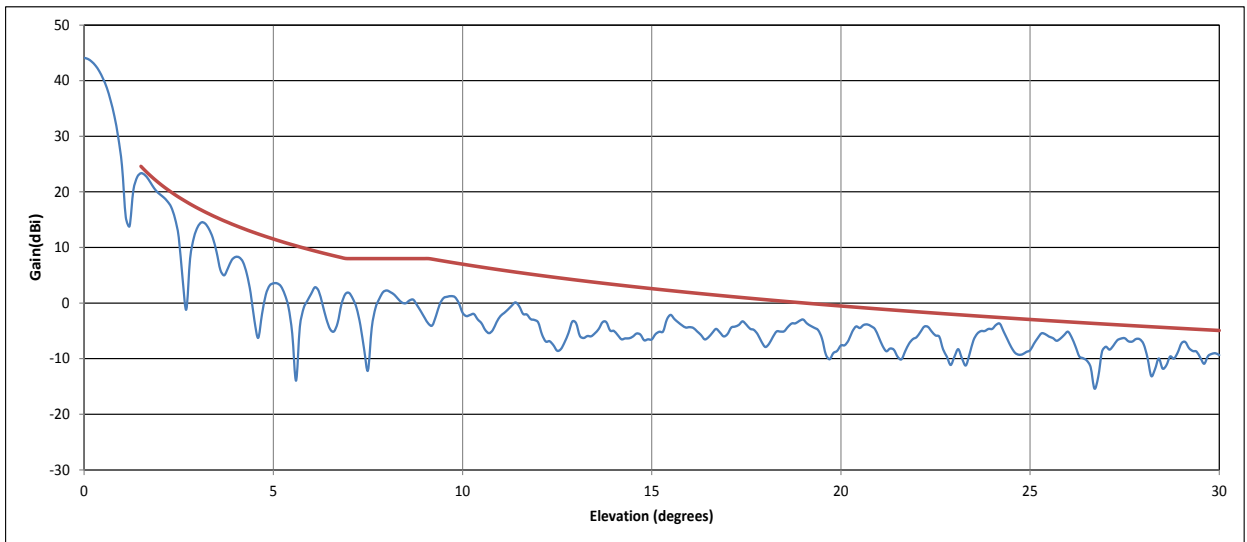


Figure 24 - Plot for 20.2 GHz



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

Figure 25 - Plot for 19.7 GHz

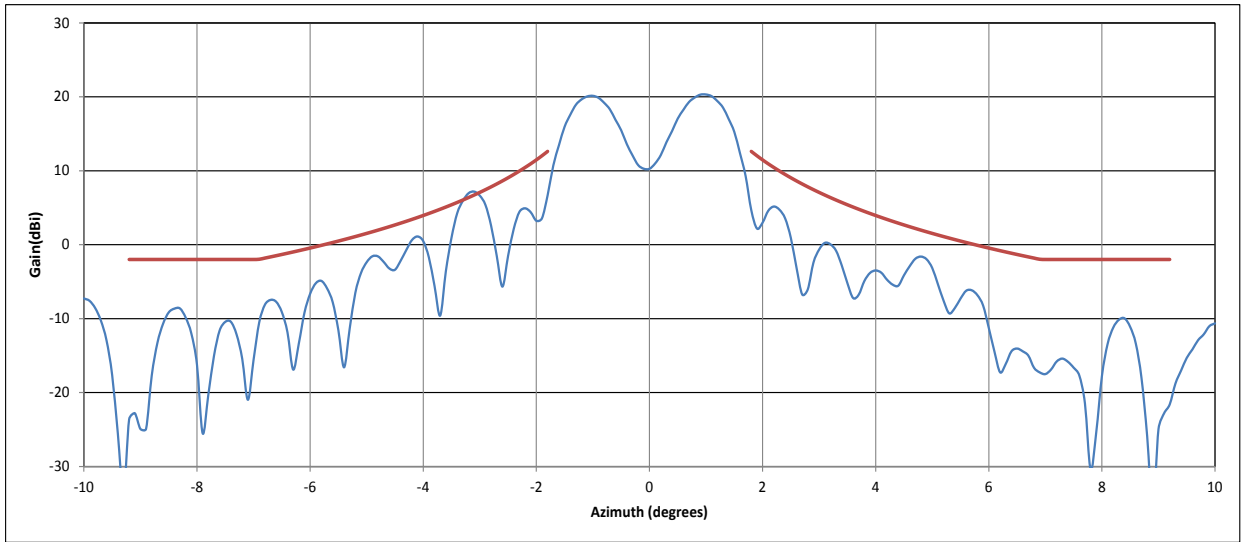


Figure 26 - Plot for 19.95 GHz

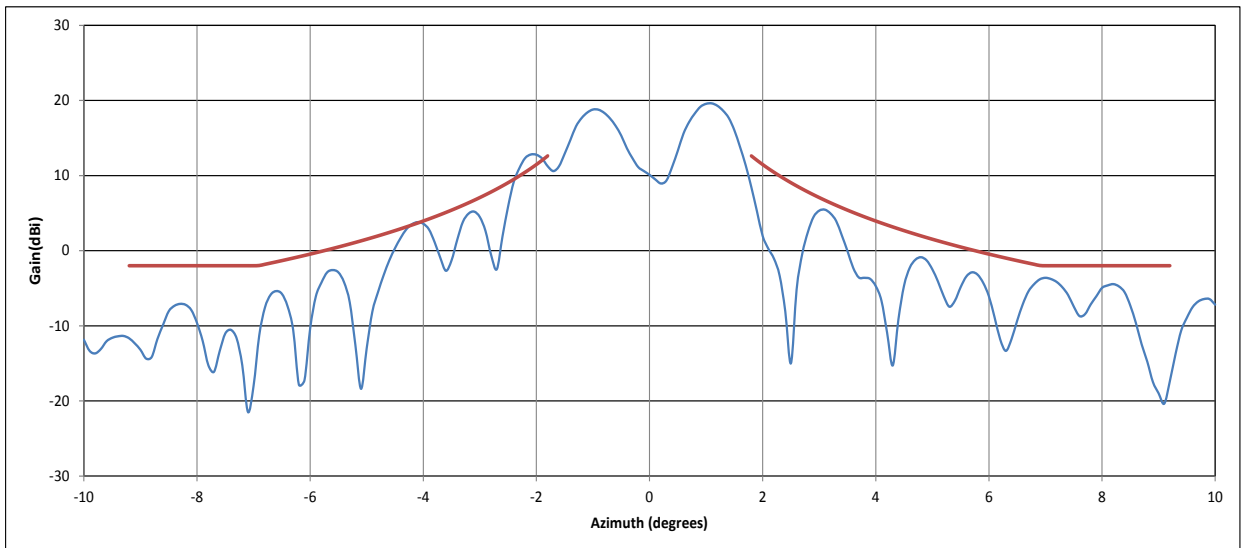
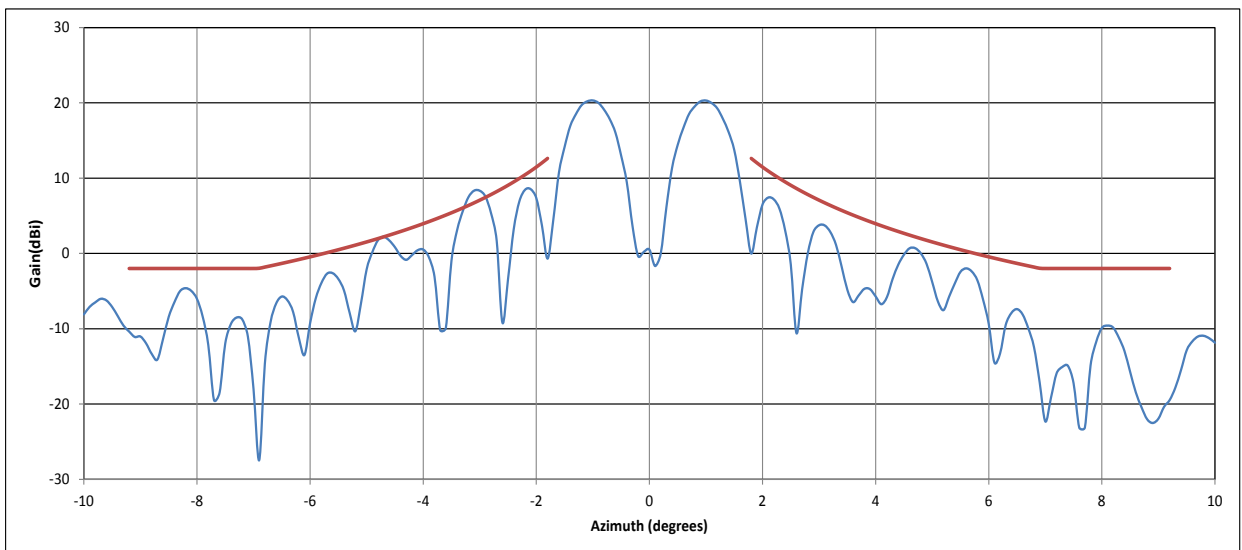


Figure 27 - Plot for 20.2 GHz



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

Figure 28 - Plot for 19.7 GHz

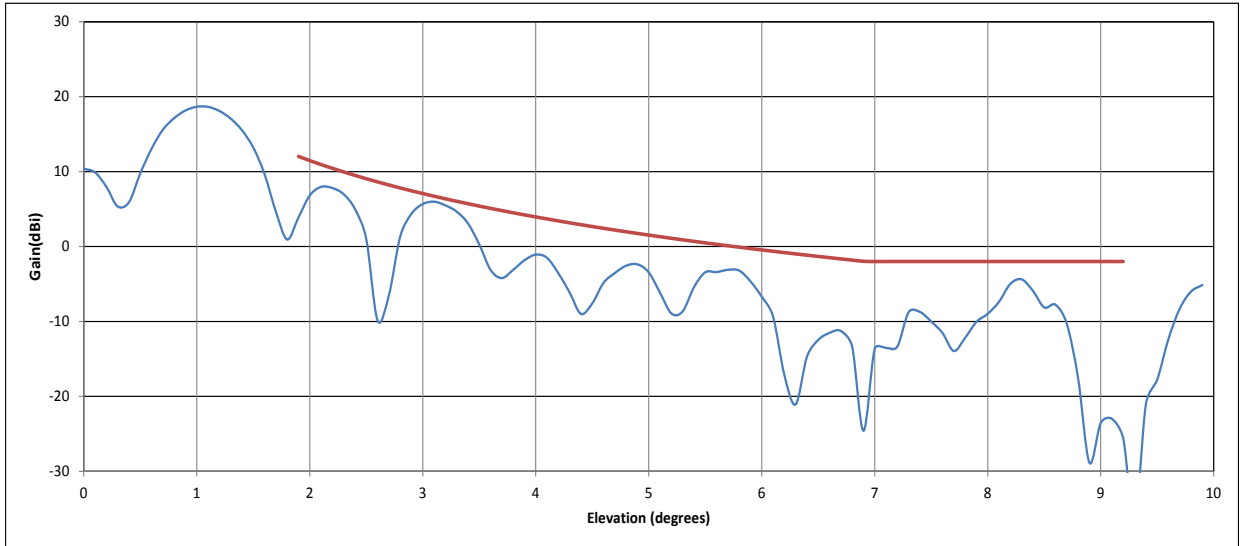


Figure 29 - Plot for 19.95 GHz

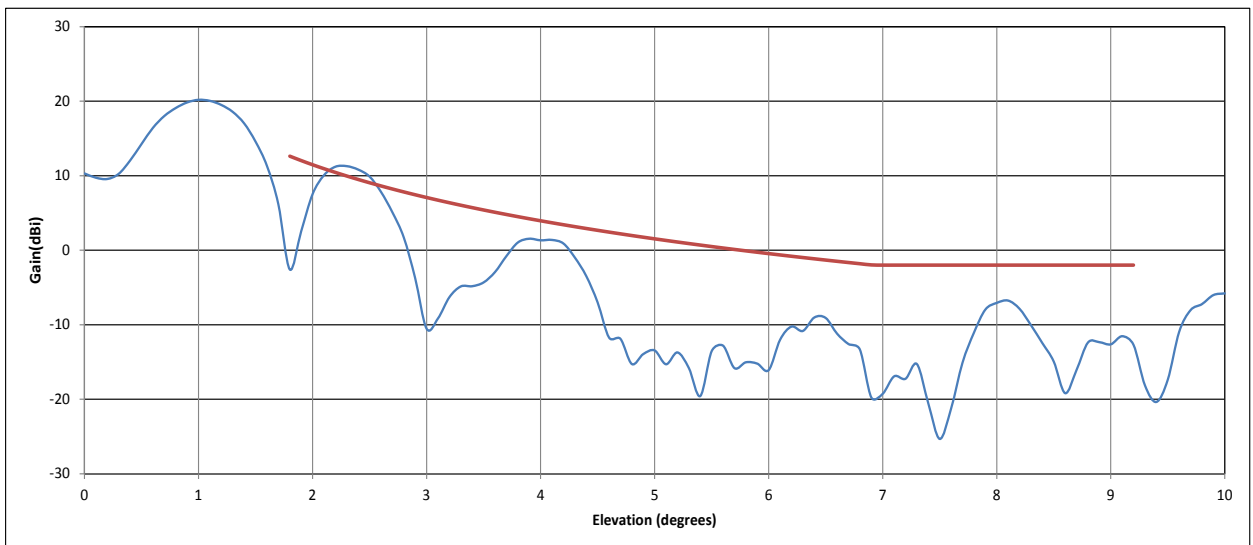


Figure 30 - Plot for 20.2 GHz

