

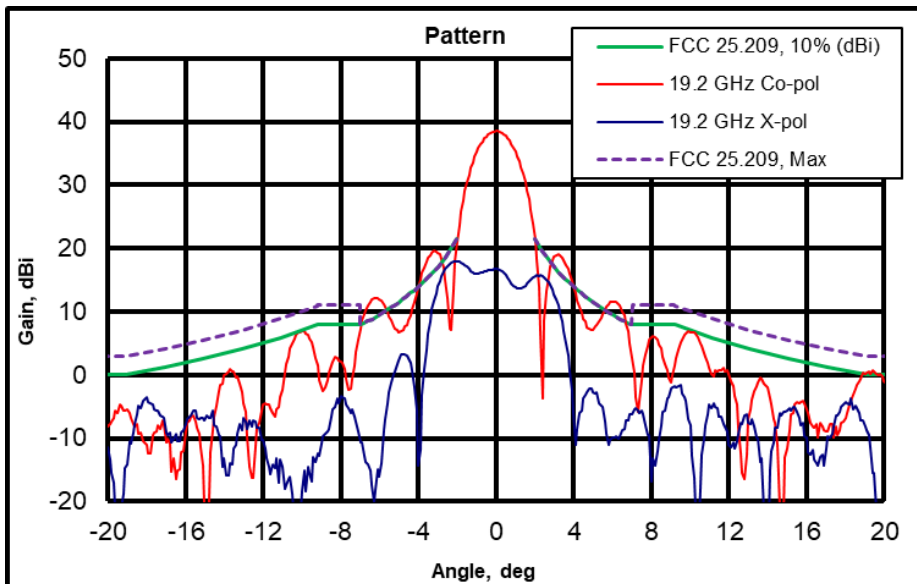
Figure 1. EIRP & G/T

Linear EIRP = 53.5 dBW at 29.0 GHz.

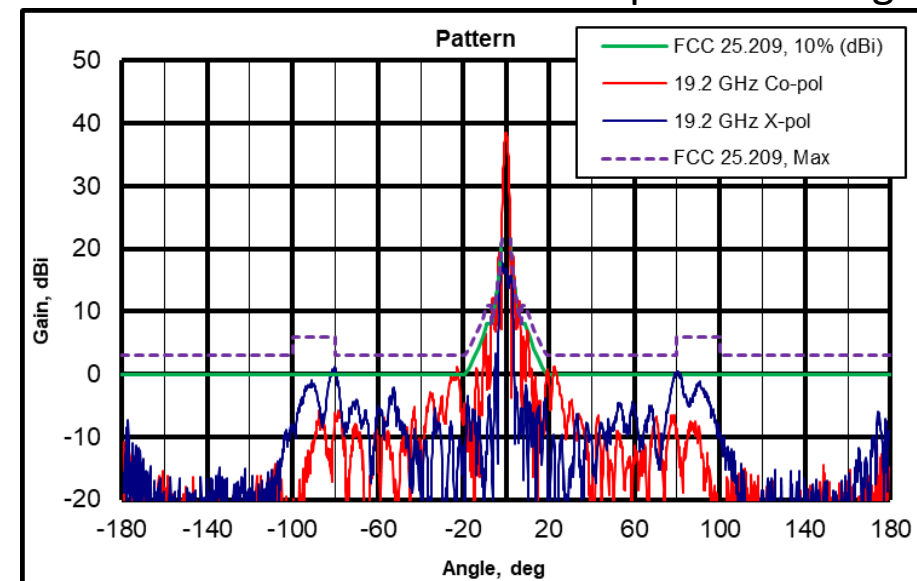
G/T = 14.6 dB/K for 30EL at 19.2 GHz.

Figure 2. Receive Azimuth Cut Under FCC 25.209 Mask

Copol Near-In



Copol Wide-Angle



Xpol Near-In

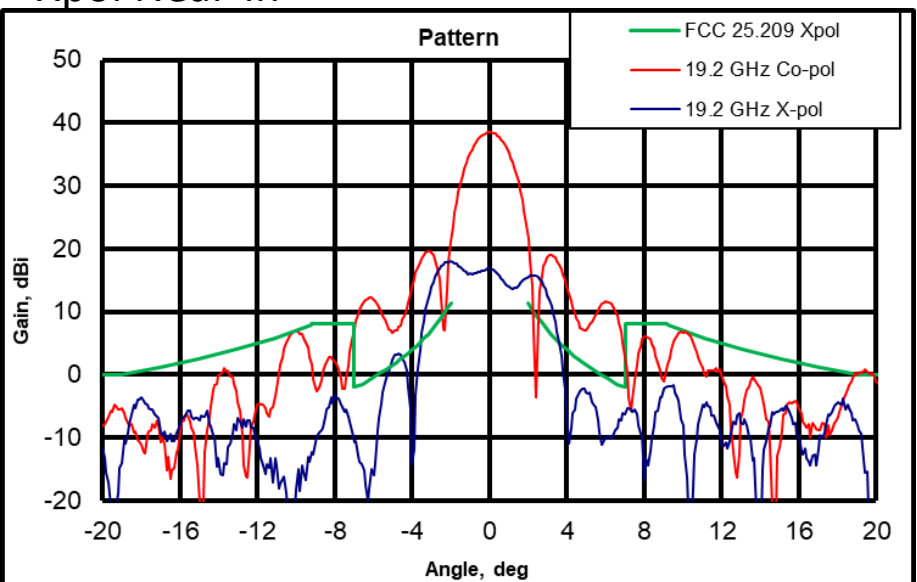
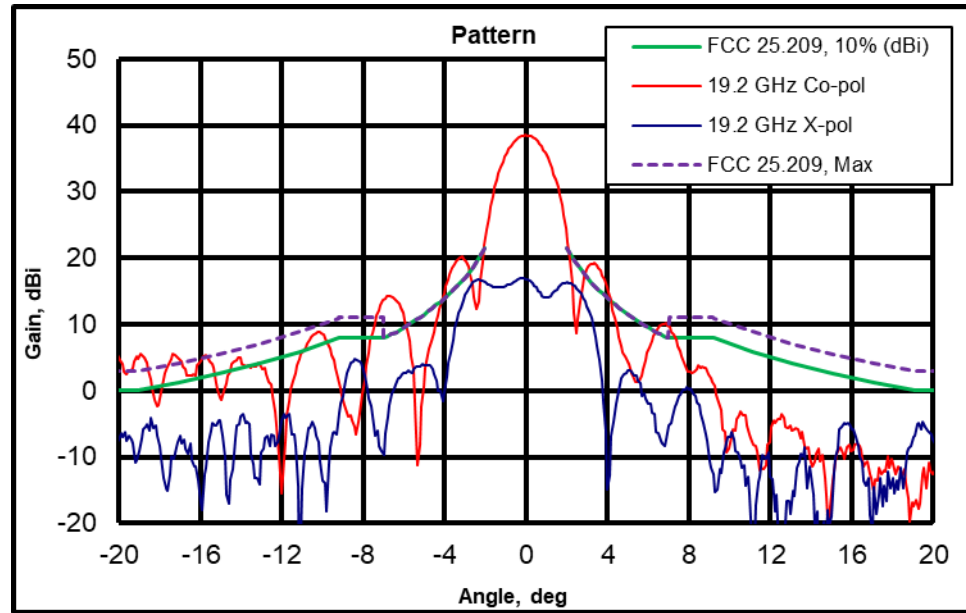
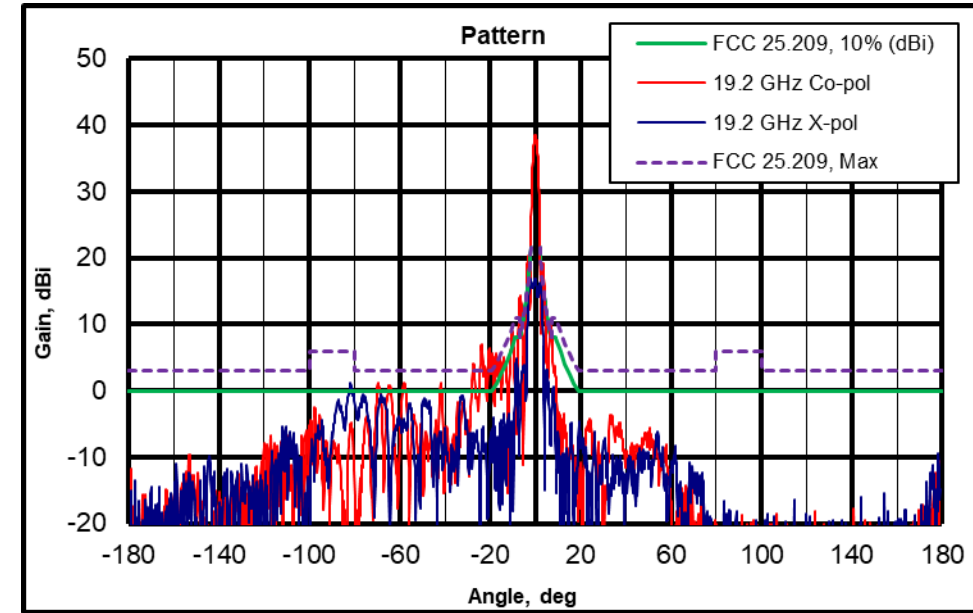


Figure 3. Receive Elevation Cut Under FCC 25.209 Mask

Copol Near-In



Copol Wide-Angle



Xpol Near-In

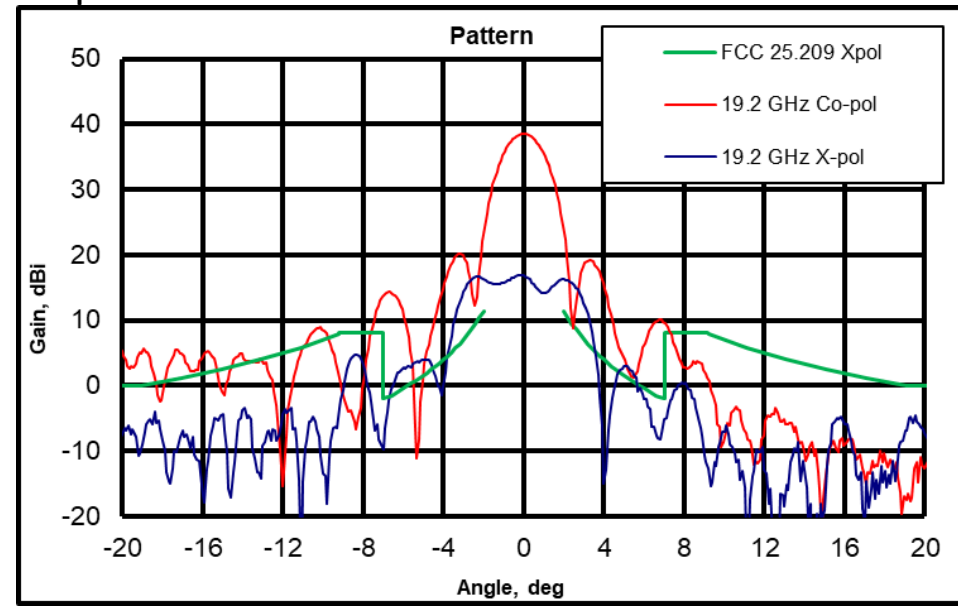
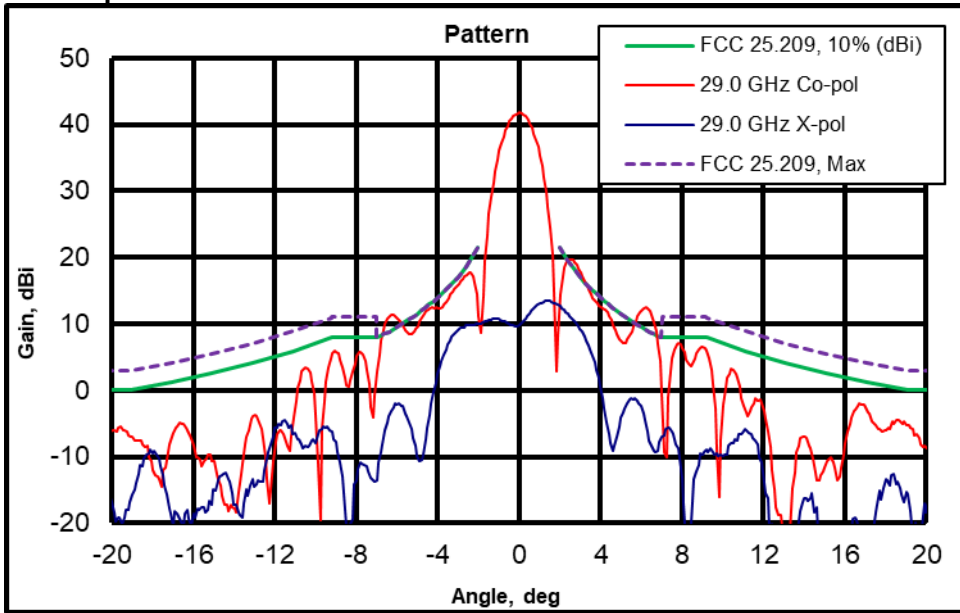
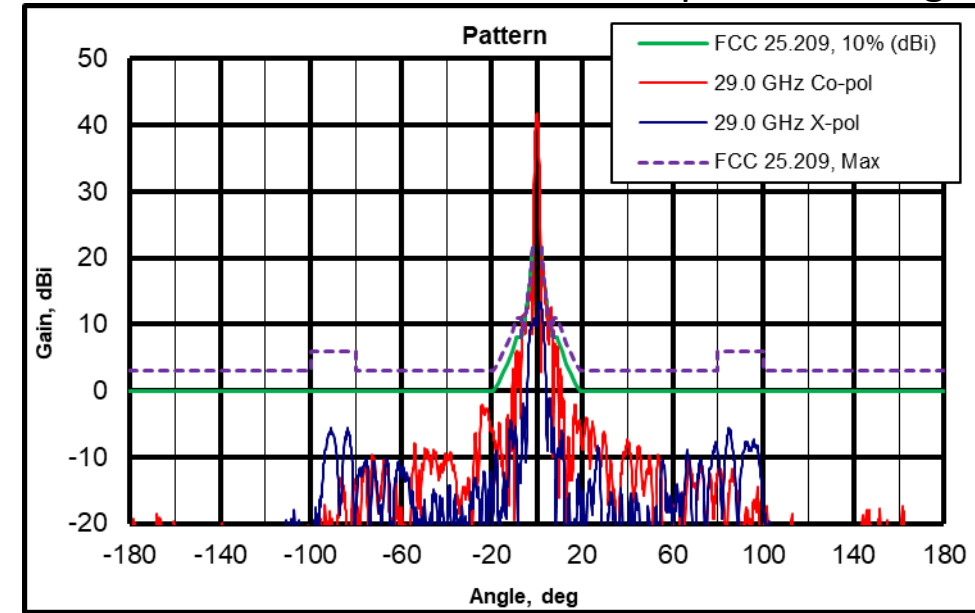


Figure 4. Transmit Azimuth Cut Under FCC 25.209 Mask

Copol Near-In



Copol Wide-Angle



Xpol Near-In

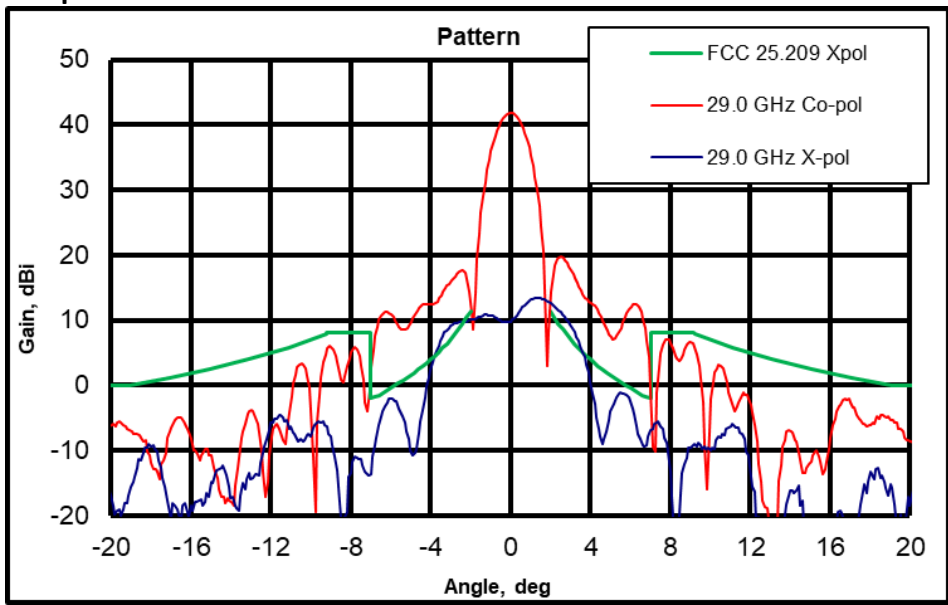
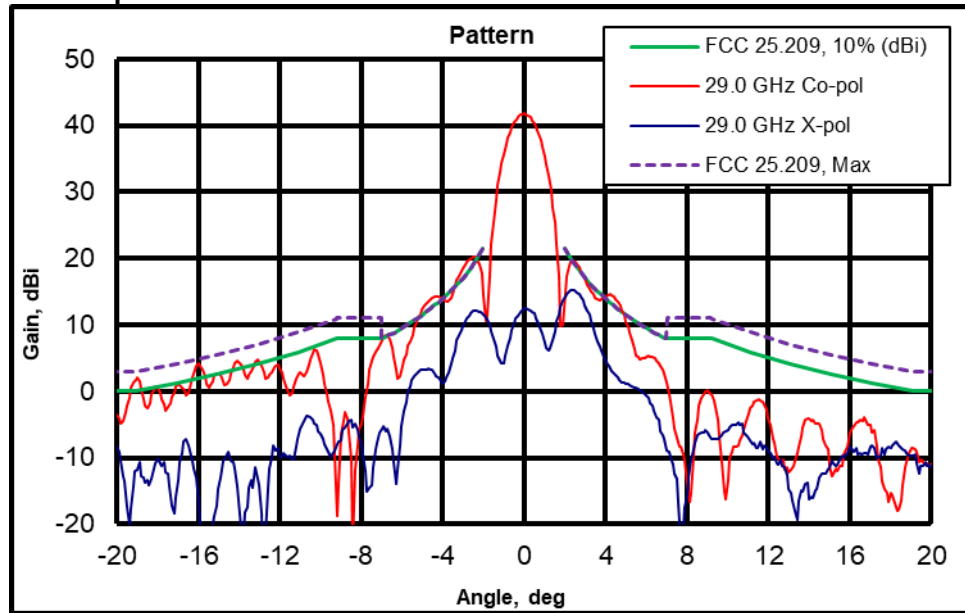
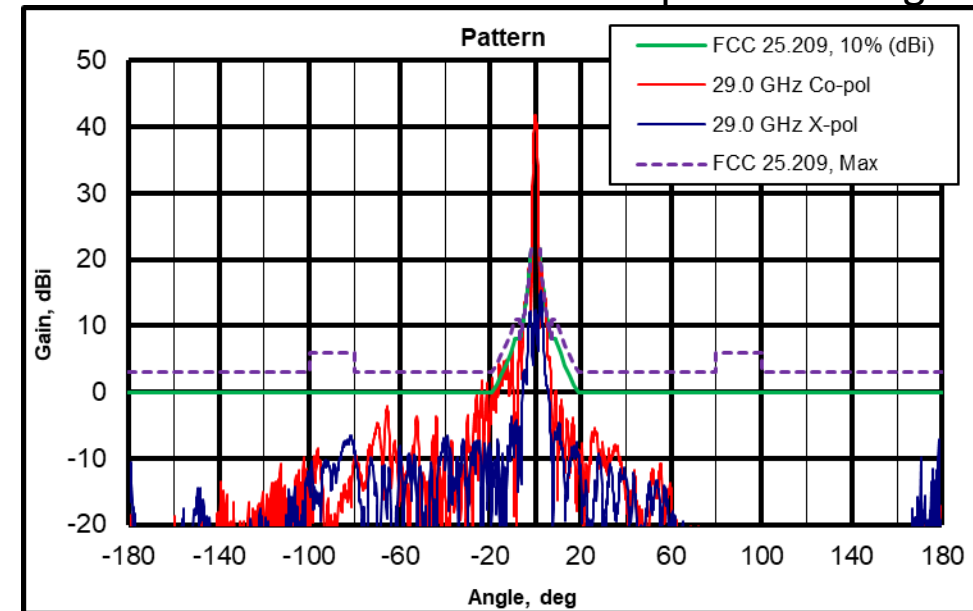


Figure 5. Transmit Elevation Cut Under FCC 25.209 Mask

Copol Near-In



Copol Wide-Angle



Xpol Near-In

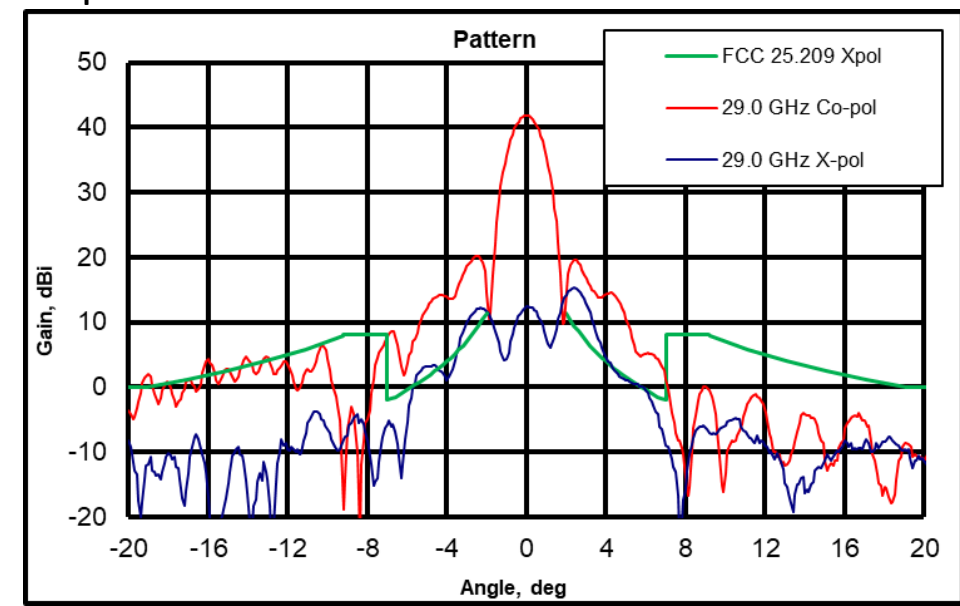
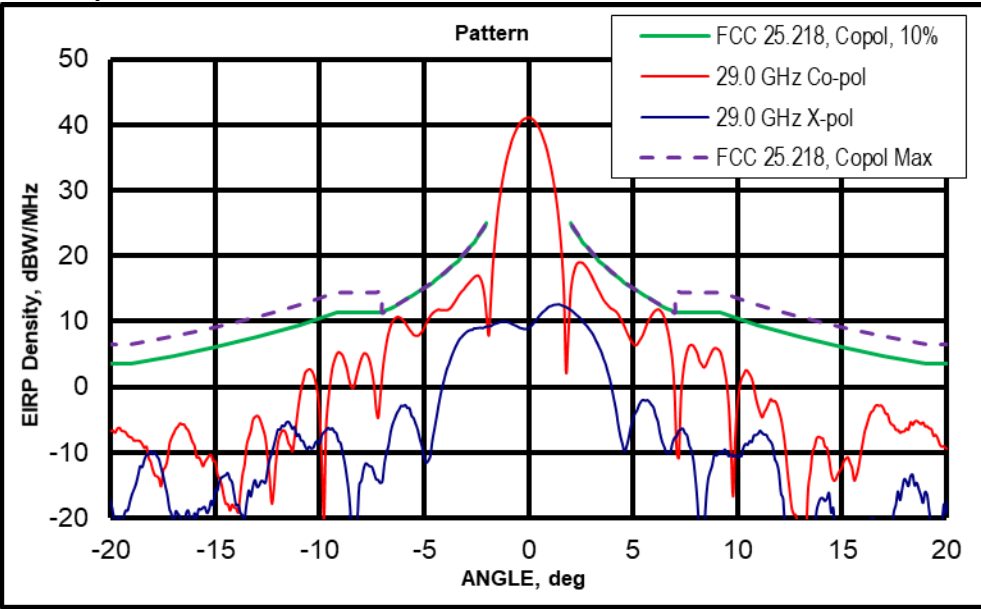
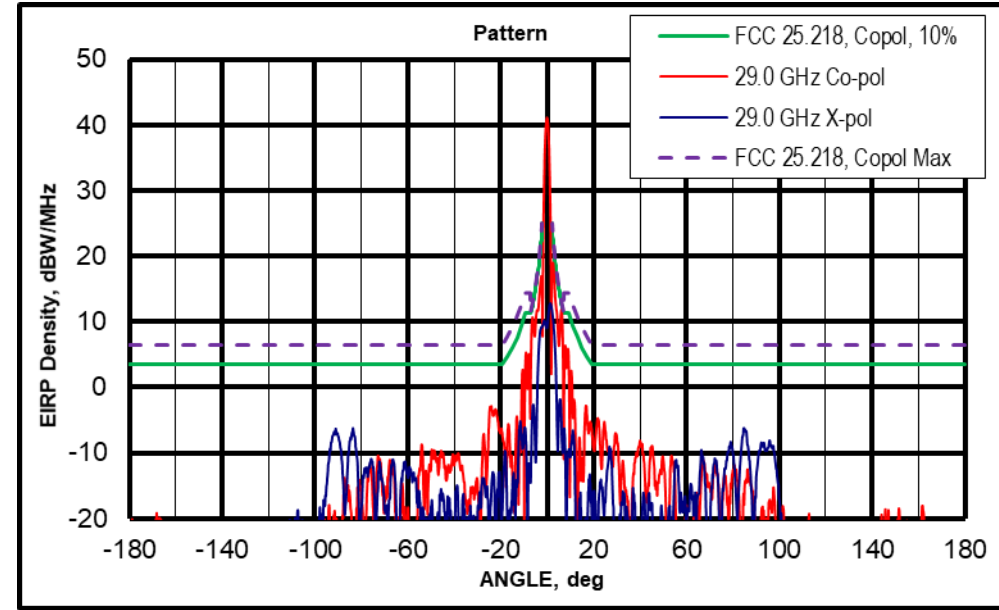


Figure 6. Transmit Azimuth Cut Under FCC 25.218 Mask

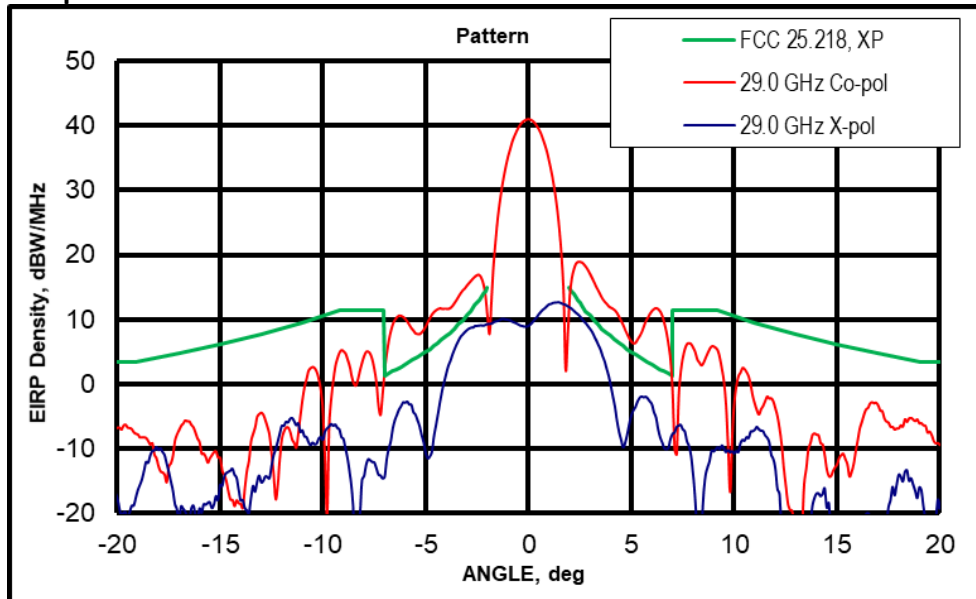
Copol Near-In



Copol Wide-Angle



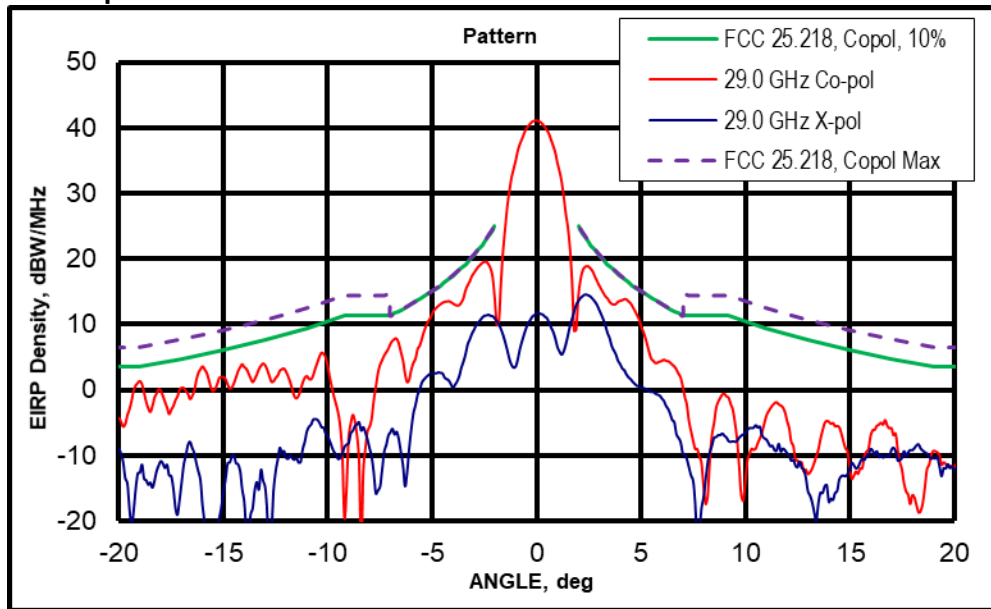
Xpol Near-In



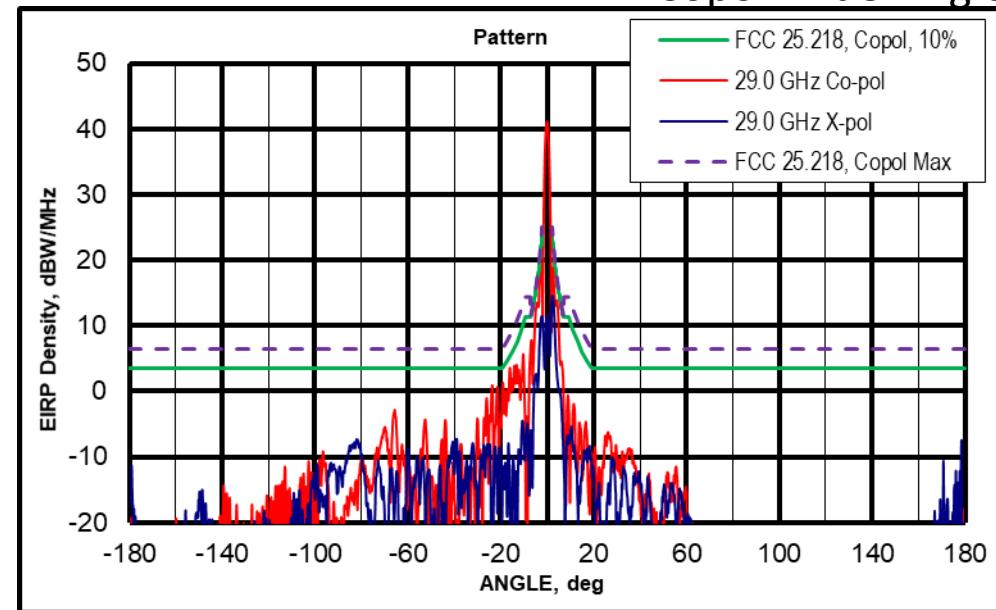
The FCC 25.218 Mask was plotted based on a PSD of -0.5 dBW/MHz. The ESD is 41.1 dBW/MHz. The copol sidelobe at +6 degrees just barely touches the mask.

Figure 7. Transmit Elevation Cut Under FCC 25.218 Mask

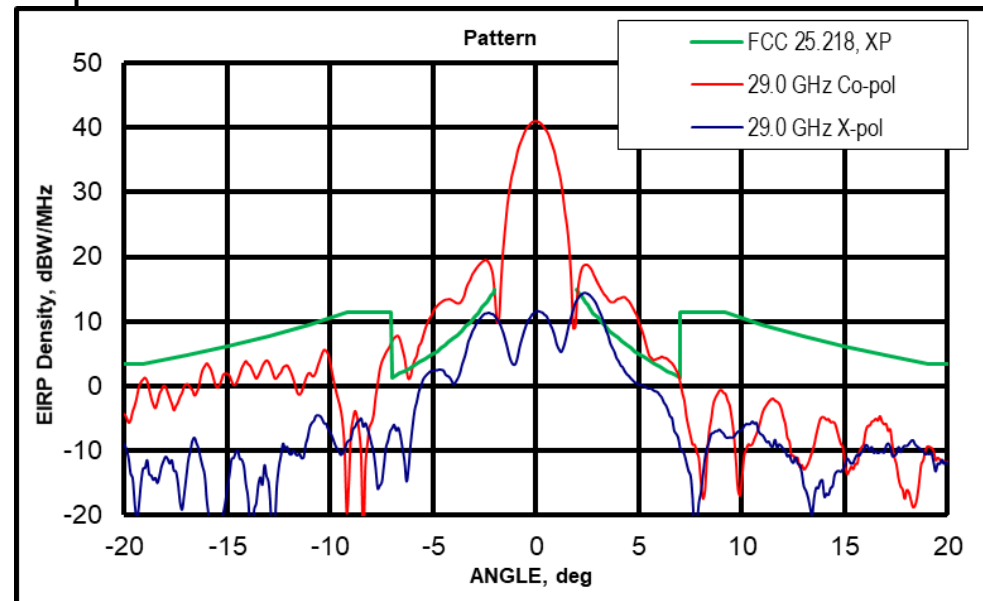
Copol Near-In



Copol Wide-Angle



Xpol Near-In



The FCC 25.218 Mask was plotted based on a PSD of -0.5 dBW/MHz. The ESD is 41.1 dBW/MHz.