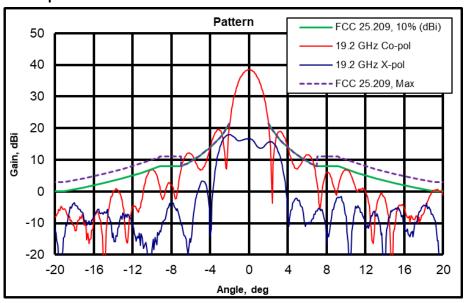
Figure 1. EIRP & G/T

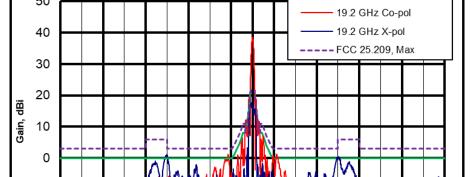
Linear EIRP = 53.5 dBW at 29.0 GHz.

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





Angle, deg

-10

-100

-60

Pattern

Copol Wide-Angle

100

140

180

FCC 25.209, 10% (dBi)



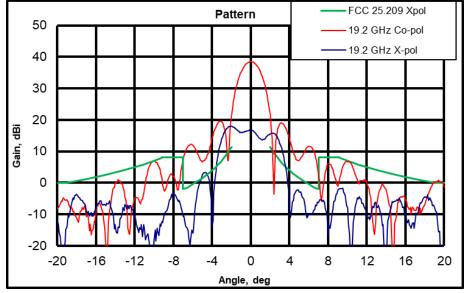
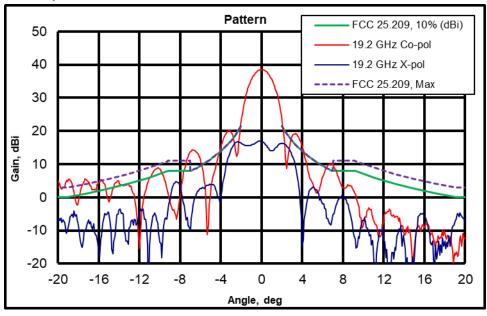
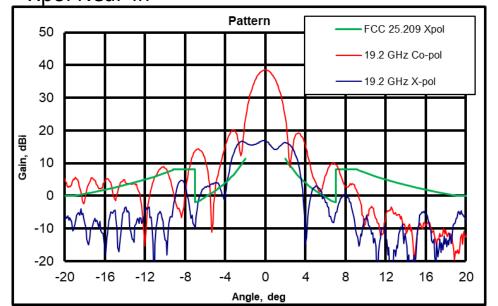


Figure 3. Receive Elevation Cut Under FCC 25.209 Mask

Copol Near-In



Xpol Near-In



Copol Wide-Angle

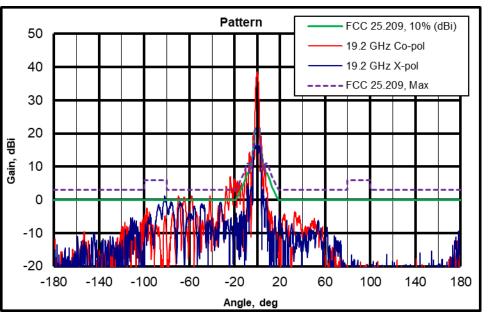
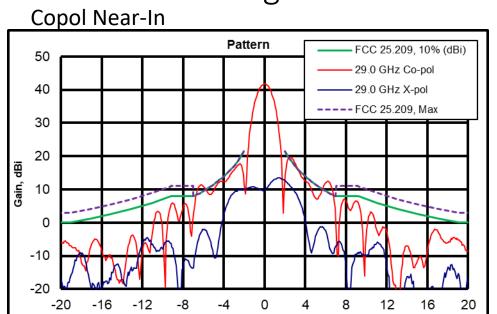
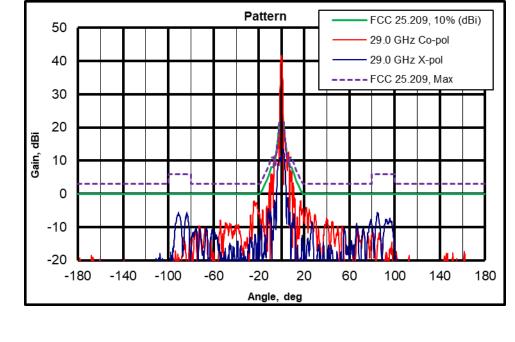


Figure 4. Transmit Azimuth Cut Under FCC 25.209 Mask



Angle, deg



Copol Wide-Angle



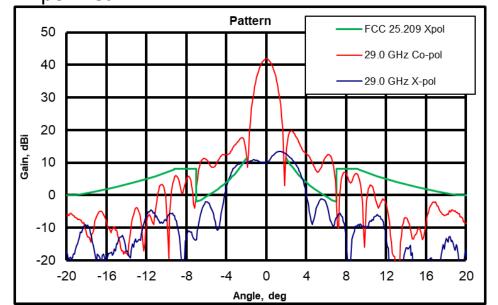
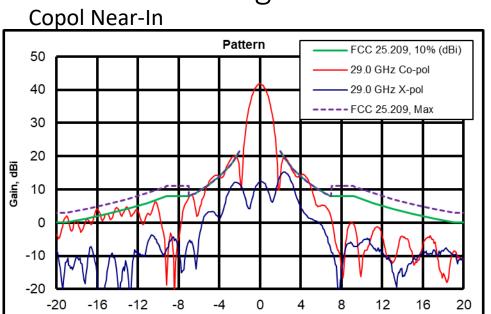
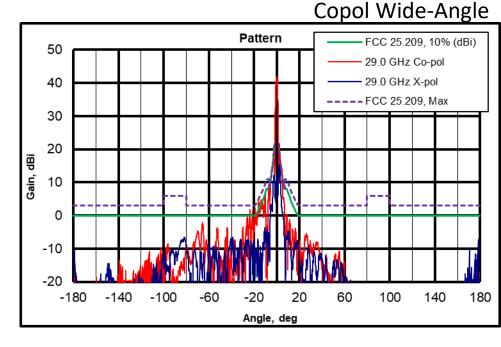


Figure 5. Transmit Elevation Cut Under FCC 25.209 Mask



Angle, deg





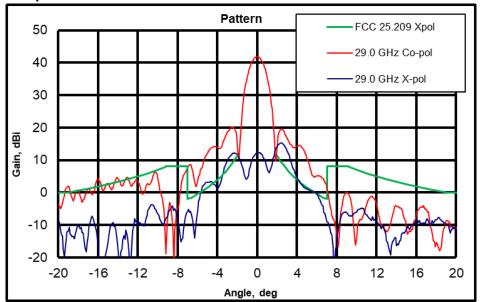
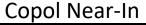
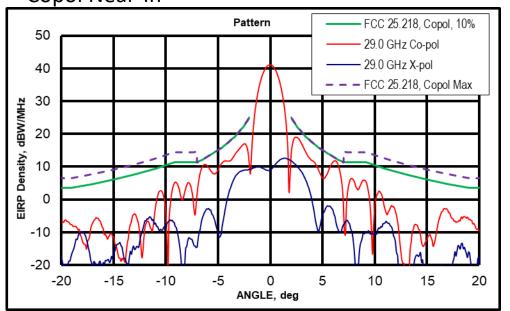
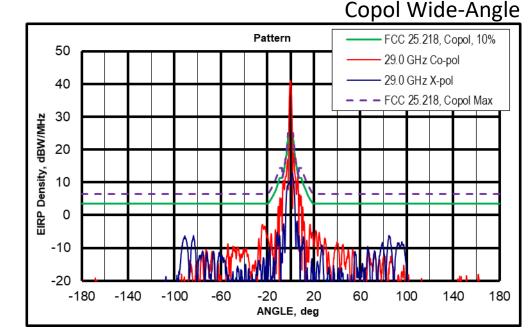


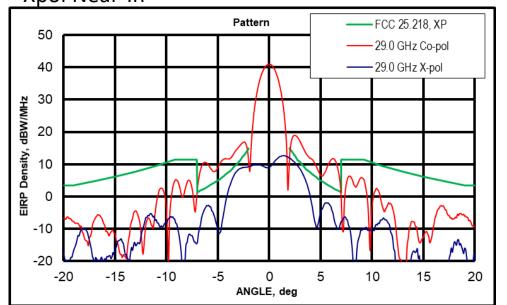
Figure 6. Transmit Azimuth Cut Under FCC 25.218 Mask





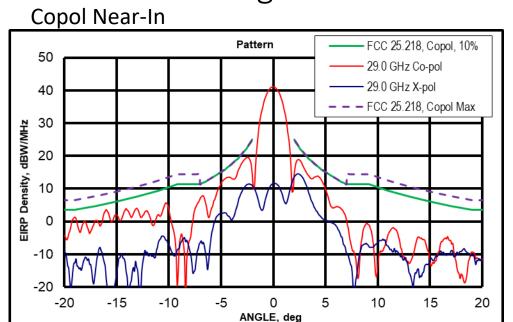


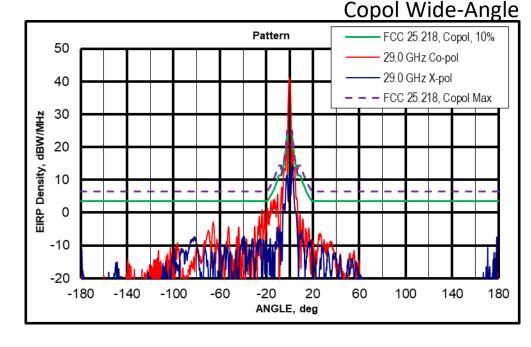
Xpol Near-In

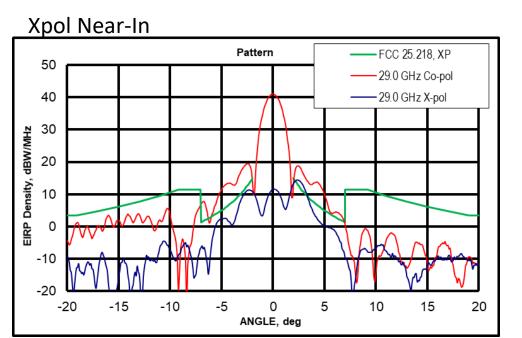


The FCC 25.218 Mask was plotted based on a PSD of -0.5 dBW/MHz. The ESD is 41.1 dBW/MHz. The copol sidelobe at +6 degrees just barely touches the mask.

Figure 7. Transmit Elevation Cut Under FCC 25.218 Mask







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