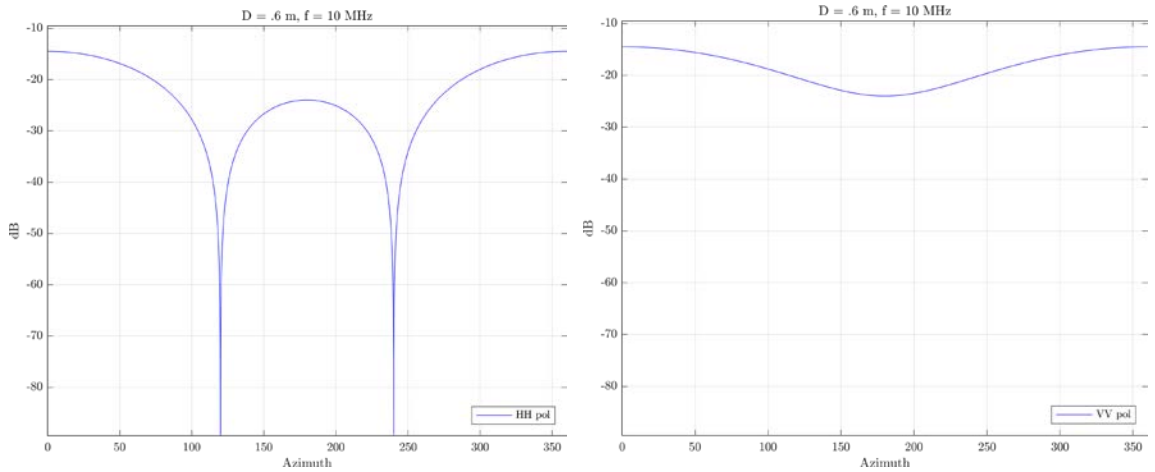

Figure 1: The HH ($\sigma_{\phi\phi,\mathrm{dB}}$, left) and VV ($\sigma_{\theta\theta,\mathrm{dB}}$, right) polarized RCS for the PEC sphere of diameter D = 0.6 m at frequency f = 10 MHz.

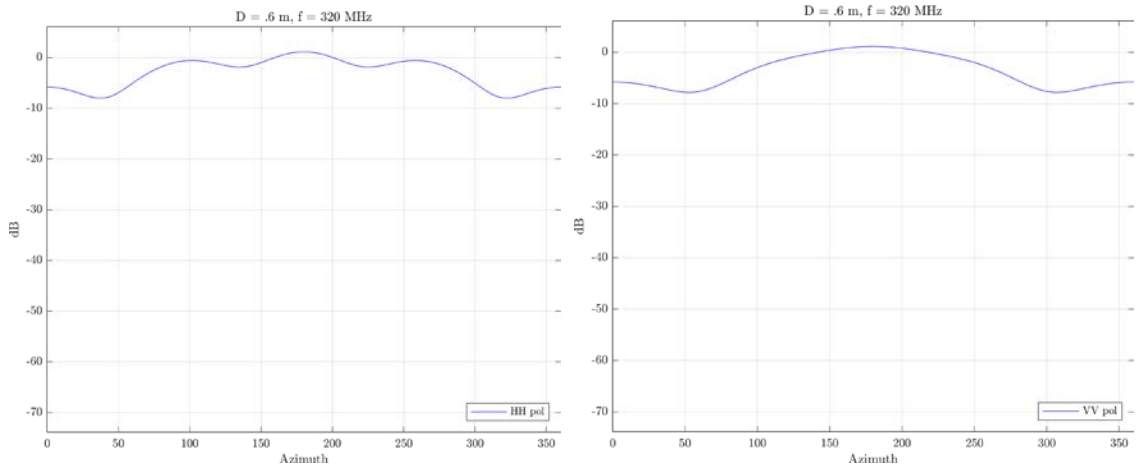

Figure 2: The HH ($\sigma_{\phi\phi,\mathrm{dB}}$, left) and VV ($\sigma_{\theta\theta,\mathrm{dB}}$,right) polarized RCS for the PEC sphere of diameter D = 0.6 m at frequency f = 320 MHz.

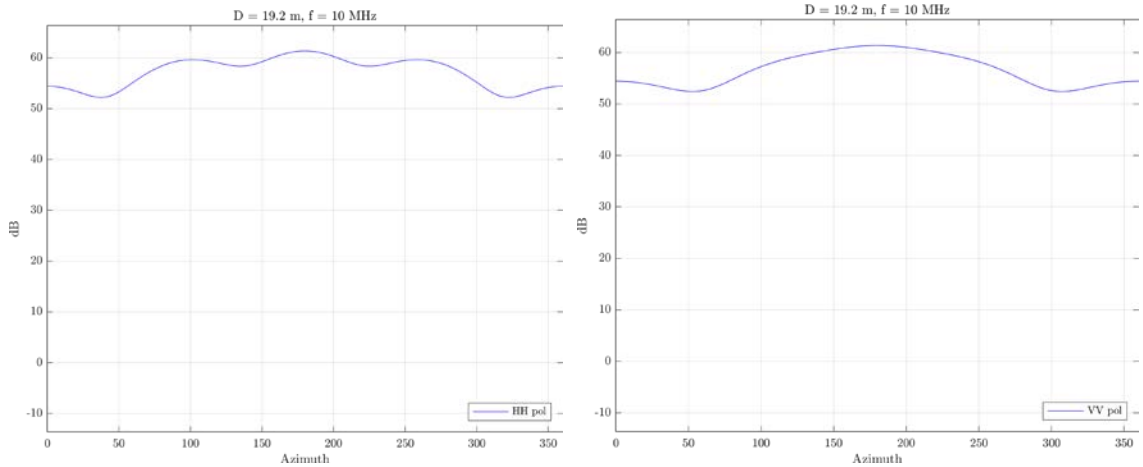

Figure 3: The HH ($\sigma_{\phi\phi,\mathrm{dB}}$, left) and VV ($\sigma_{\theta\theta,\mathrm{dB}}$,right) polarized RCS for the PEC sphere of diameter D = 19.2 m at frequency f = 10 MHz.

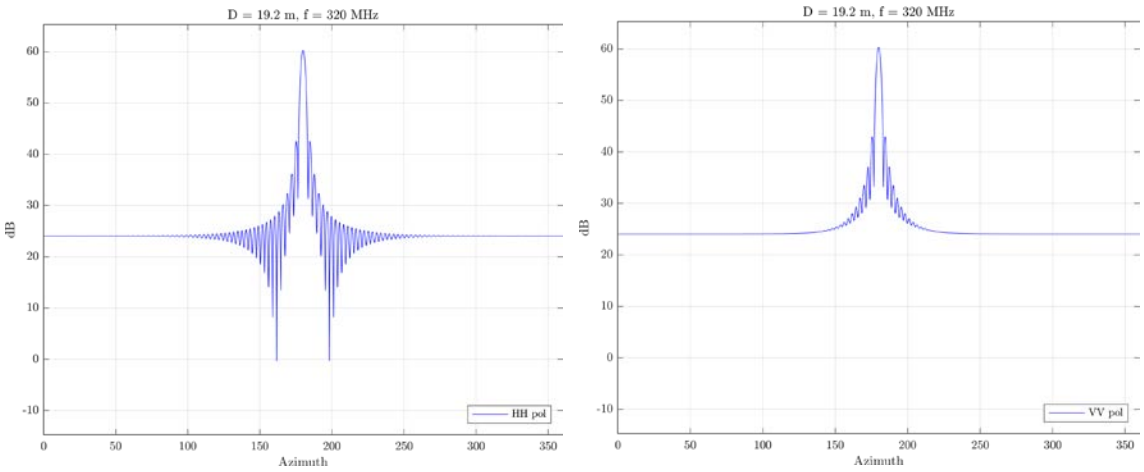

Figure 4: The HH ($\sigma_{\phi\phi,\mathrm{dB}}$, left) and VV ($\sigma_{\theta\theta,\mathrm{dB}}$,right) polarized RCS for the PEC sphere of diameter D = 19.2 m and frequency f = 320 MHz.

These RCS results were calculated by using the COMPASS-EM code [1].

References

[1] G. Kaur (2015) COMPASS-EM: Comprehensive program for analytical scattering solutions for electromagnetics. [Online]. Available: http://web.corral.tacc.utexas.edu/BioEM-Benchmarks/COMPASS-EM/index.html