

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

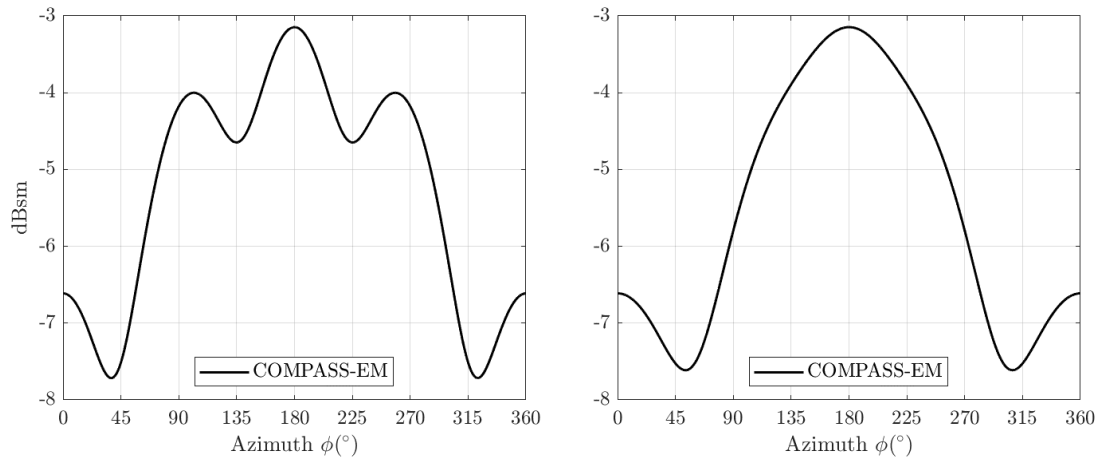


Figure 2: The HH ($\sigma_{\phi\phi}$, dB, left) and VV ($\sigma_{\theta\theta}$, dB, right) polarized RCS for the PEC sphere of diameter $D = 0.6$ m at frequency $f = 320$ MHz.

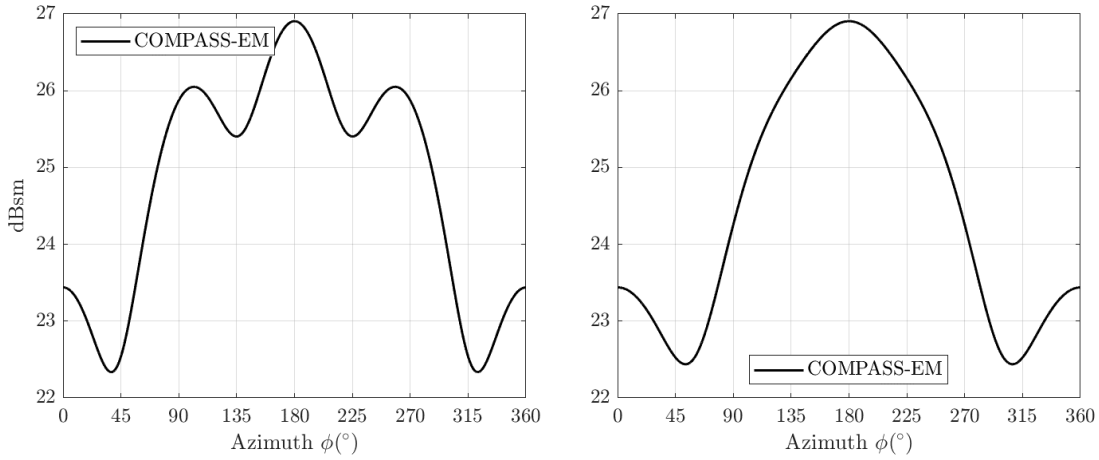


Figure 3: The HH ($\sigma_{\phi\phi}$, dB, left) and VV ($\sigma_{\theta\theta}$, dB, right) polarized RCS for the PEC sphere of diameter $D = 19.2$ m at frequency $f = 10$ MHz.

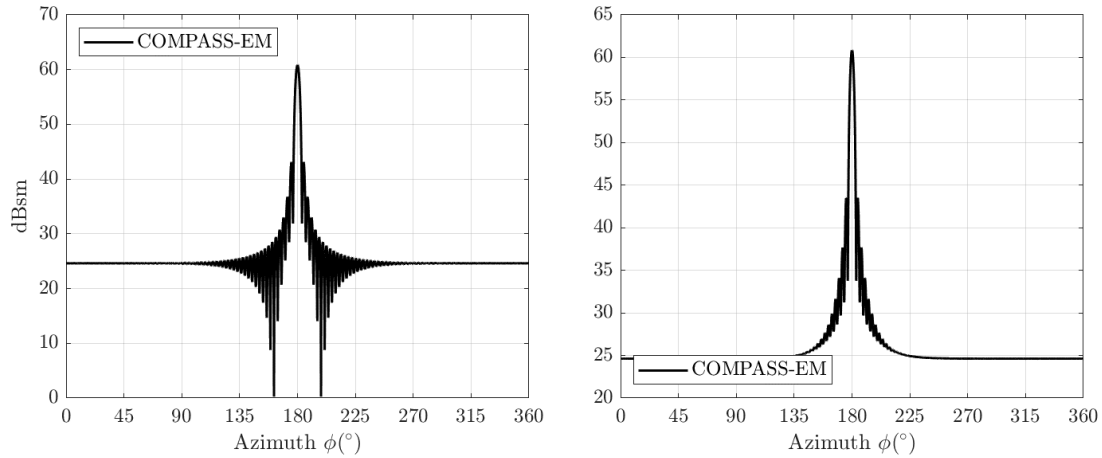


Figure 4: The HH ($\sigma_{\phi\phi}$, dB, left) and VV ($\sigma_{\theta\theta}$, dB, right) polarized RCS for the PEC sphere of diameter $D = 19.2$ m and frequency $f = 320$ MHz.

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>