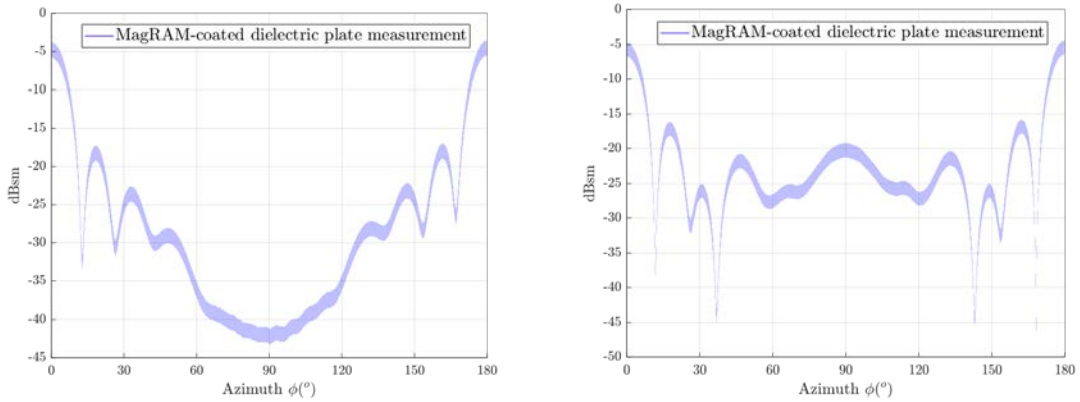


**Figure 1:** The HH ($\sigma_{\phi\phi,\mathrm{dB}}$, left) and VV ($\sigma_{\theta\theta,\mathrm{dB}}$, right) polarized RCS for the thin MagRAM-coated dielectric plate of width $W$ = 6 in at frequency $f$ = 2.56 GHz.

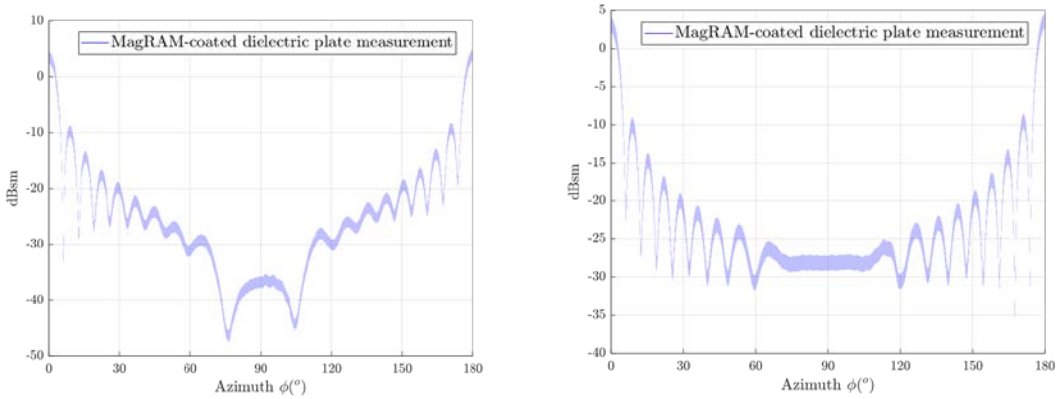


**Figure 2:** The HH ($\sigma_{\phi\phi,\mathrm{dB}}$, left) and VV ($\sigma_{\theta\theta,\mathrm{dB}}$, right) polarized RCS for the thin MagRAM-coated dielectric plate of width $W$ = 6 in and frequency $f$ = 5.12 GHz.

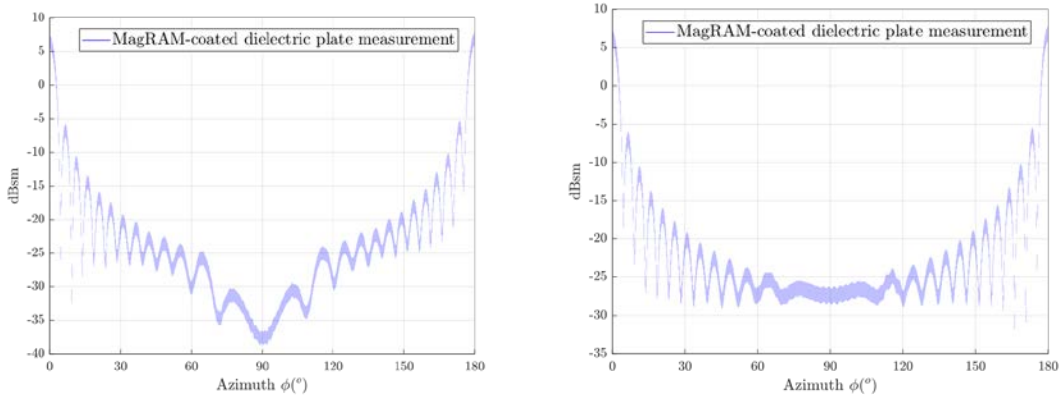


**Figure 3:** The HH ($\sigma_{\phi\phi,\mathrm{dB}}$, left) and VV ($\sigma_{\theta\theta,\mathrm{dB}}$, right) polarized RCS for the thin MagRAM-coated dielectric plate of width $W$ = 6 in and frequency $f$ = 7 GHz.

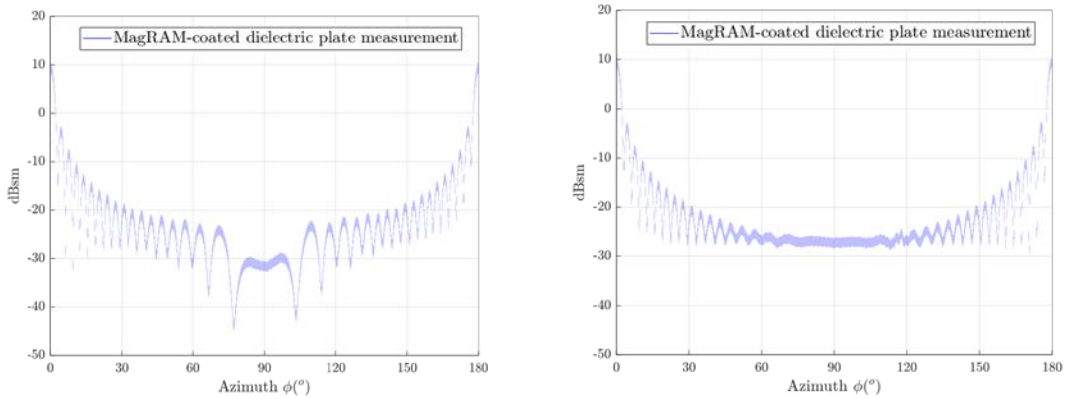


**Figure 4:** The HH ($\sigma_{\phi\phi,\mathrm{dB}}$, left) and VV ($\sigma_{\theta\theta,\mathrm{dB}}$, right) polarized RCS for the thin MagRAM-coated dielectric plate of width $W$ = 6 in and frequency $f$ = 10.24 GHz.

The above RCS results are that of the reference measurement data in the benchmark suite. The measurement data in the suite are the same as that shown in [1] and are plotted within a $\mp 1\,\mathrm{dB}$ window to represent the measurement uncertainties. Simulation results are currently not available for this problem; thus, until they are corroborated by simulations, the measurement data for this problem set should be considered less reliable than for the others in the benchmark suite.

**Notes**

1. The measurement data are provided at every $0.25^{\mathrm{o}}$ in the azimuthal range.

**References**

[1] J. T. Kelley, D. A. Chamulak, C. Courtney, and A. E. Yilmaz, "Increasing the material diversity in the Austin RCS Benchmark Suite using thin plates," in *Proc. Ant. Meas. Tech. Assoc. (AMTA) Symp.*, Nov. 2020.