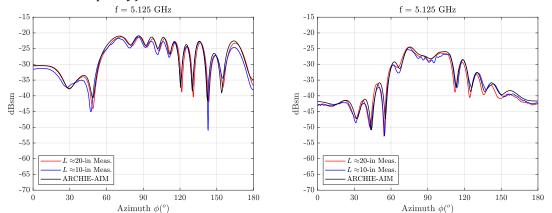
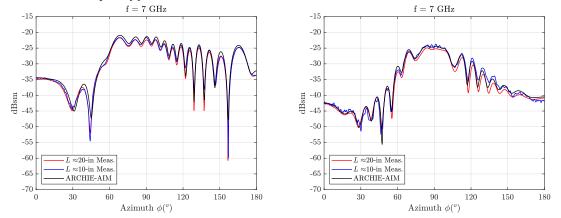


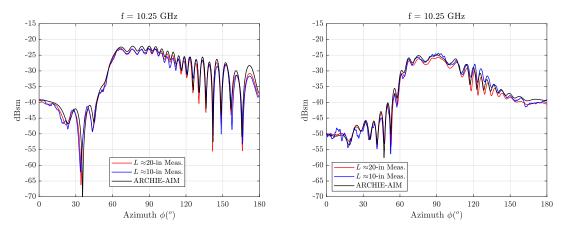
**Figure 1:** The HH ( $\sigma_{\phi\phi,dB}$ , left) and VV ( $\sigma_{\theta\theta,dB}$ , right) polarized RCS for the PEC almond of length L= 9.936 in at frequency f = 3.5 GHz.



**Figure 2:** The HH ( $\sigma_{\phi\phi,\mathrm{dB}}$ , left) and VV ( $\sigma_{\theta\theta,\mathrm{dB}}$ , right) polarized RCS for the PEC almond of length L= 9.936 in at frequency f = 5.125 GHz.



**Figure 3:** The HH ( $\sigma_{\phi\phi,dB}$ , left) and VV ( $\sigma_{\theta\theta,dB}$ , right) polarized RCS for the PEC almond of length L= 9.936 in at frequency f = 7 GHz.



**Figure 4:** The HH ( $\sigma_{\phi\phi,dB}$ , left) and VV ( $\sigma_{\theta\theta,dB}$ , right) polarized RCS for the PEC almond of length L= 9.936 in at frequency f = 10.25 GHz.

The above RCS results are that of the reference measurement and simulation data in the benchmark suite. They are the same as those plotted in Figs. 11-12 of [1].

## Notes

- 1. The measurement data are provided at every  $0.25^{\circ}$  in the azimuthal range; the simulation data are at every  $0.5^{\circ}$ .
- 2. The  $L\approx 20~{\rm in}$  almond's measurement data were actually obtained at half the frequency of the  $L\approx 10~{\rm in}$  almond for each case and shifted down by 10log4 dB [1].
- 3. The simulation data were calculated by using the ARCHIE-AIM code, a frequency-domain FFT-accelerated integral-equation solver developed at UT Austin [2]-[4], and are the same as the finest mesh ( $\approx$ 0.6-mm average edge length) results in [1].

## References

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