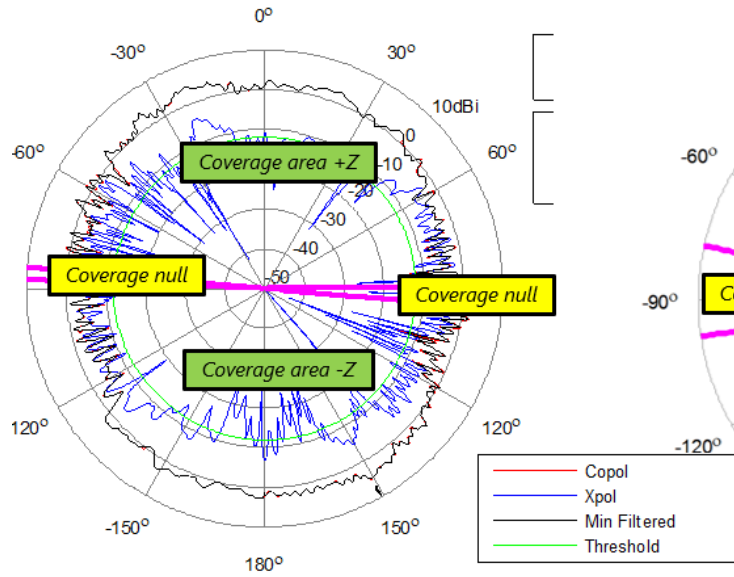


Attachment 7. ATHENA XDOWN BEAM SATELLITE TRANSMIT ANTENNA PATTERN

- Cut at $\phi = 0^\circ$

- Heritage test data at 8500 MHz

Athena TLM Predicted Composite Patterns Deployed
(Phi (Φ) = 0° Cut) in S/C CS; Freq 8.5000GHz



FM test data at 8496.25 MHz

ana_TTC_Scattering_20171220 TLM Predicted Composite Patterns depl
(Phi (Φ) = 0° Cut) in S/C CS; Freq 8.49625GHz

