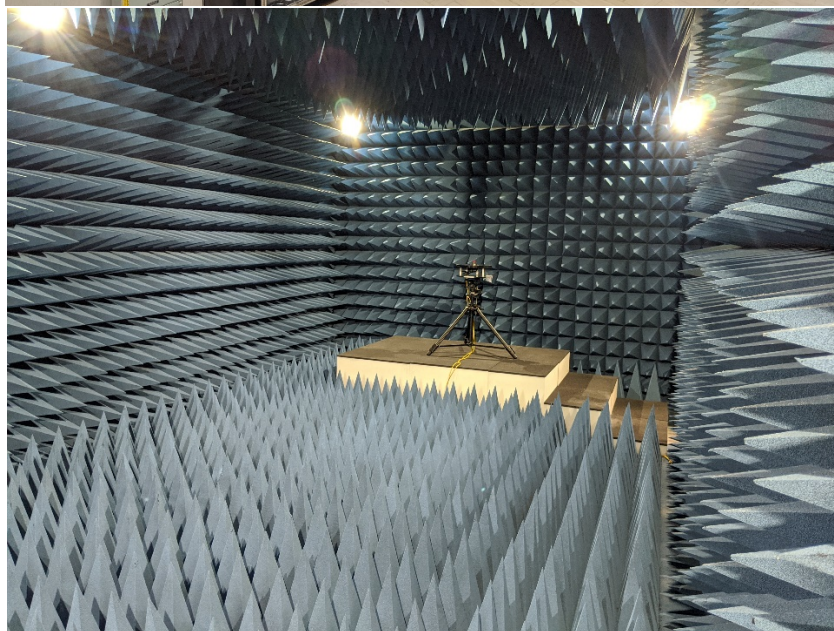
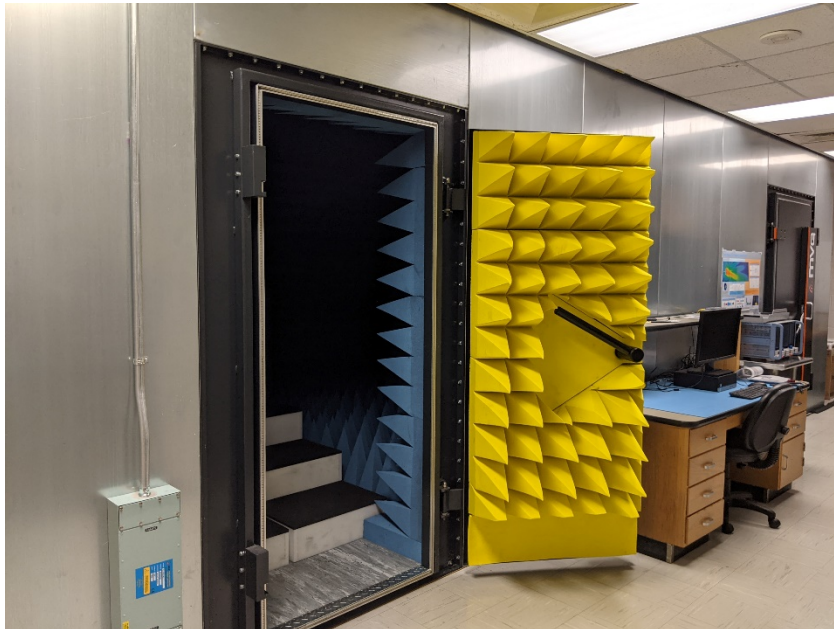


## Auburn University RF Test Facility

### Antenna Measurement Chamber

- 8 x 4 x 3 m high performance shielded enclosure
  - >100dB shield effectiveness from 500 MHz to 10 GHz
  - >80dB shield effectiveness above 10 GHz
- 18" pyramidal absorbers
  - 50dB return loss @ frequencies above 6 GHz
  - >30dB return loss @ frequencies from 500 MHz to 6 GHz



## Antenna Measurement System

- DC – 40 GHz
- Microstepping controller
- Full spherical mount
- Reference horn antennas

## Network Analyzer – Rohde and Schwarz ZNA

- 10 MHz to 43.5 GHz
- 4-port with second source
- Configurable test set
- Source and receiver attenuators
- Automatic fixture removal
- Time-domain analysis
- Source phase control

## Additional Sources

- Keysight M8196A 44GHz Arbitrary Waveform Generator (2 Channel)
- Keysight E8267D 44GHz RF Vector Signal Generator
- Keysight N5183B 40GHz Microwave Analog Signal Generator
- Tektronix AWG70002B 10GHz Arbitrary Waveform Generator (2 Channel)

## Additional Analyzers

- Keysight FieldFox N9951A 44GHz Microwave Network Analyzer
- Keysight N9020B 44GHz Microwave Signal Analyzer
- Tektronix RSA306B 6.2GHz Spectrum Analyzer
- Rohde & Schwarz FSW26 26.5GHz Signal and Spectrum Analyzer