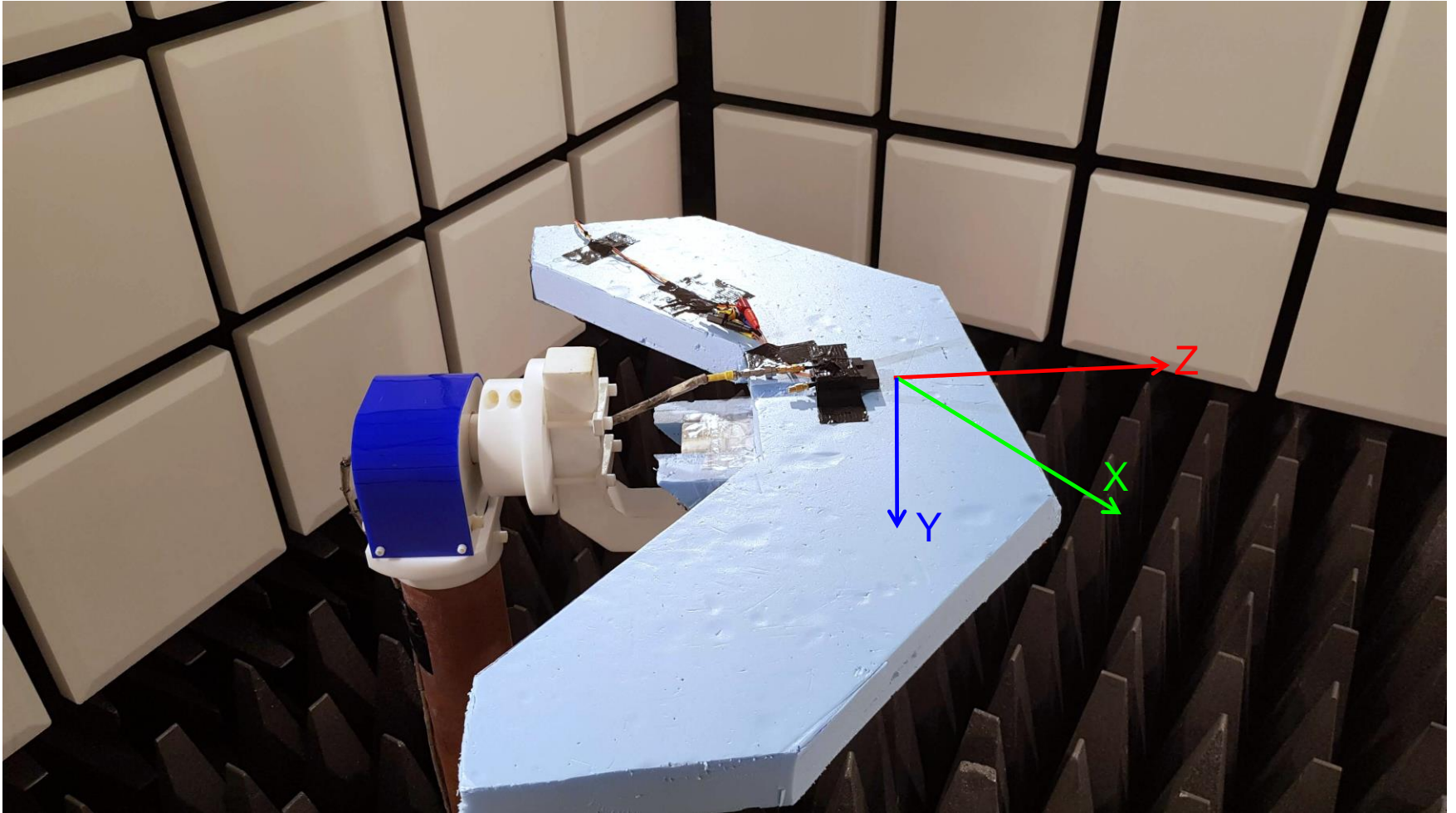


# Measurement Result of BLE Antenna

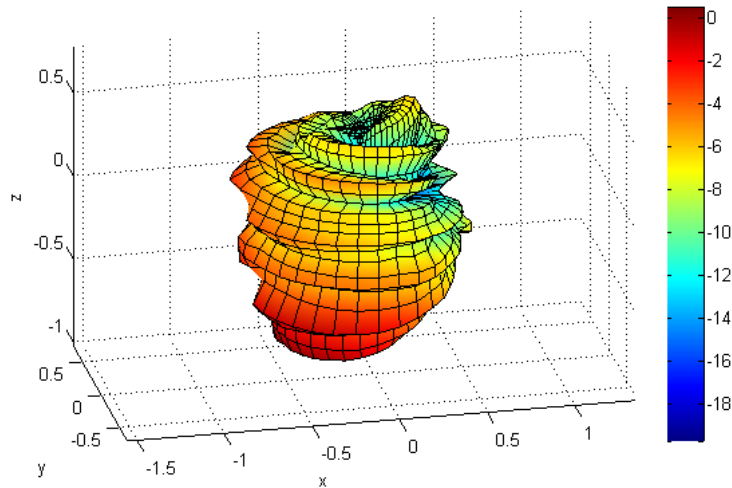
2019.07.26

# Anechoic chamber in TSR – measurement setup



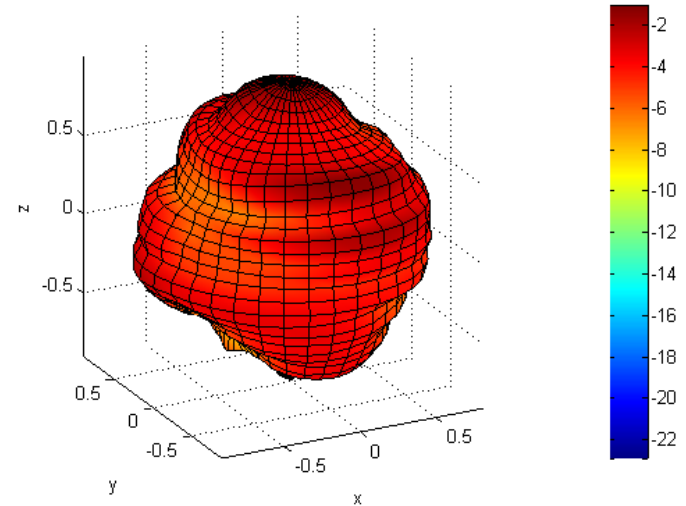
# Measured Antenna Gain 3D @2.4GHz

ant1\_0\_2019\_07\_12\_14\_53\_05\_a3Ds21data  
f=2400MHz Gain\_total [dBi] Max: 0.50dBi Min: -19.74dBi Efficiency: 22.00% (-6.6dB) corr: 0.00dB



Ant 1

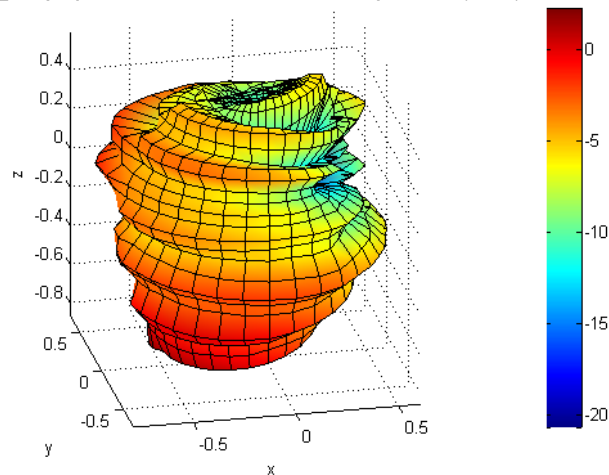
ant2\_0\_2019\_07\_12\_16\_20\_41\_a3Ds21data  
f=2400MHz Gain\_total [dBi] Max: -1.07dBi Min: -22.90dBi Efficiency: 36.06% (-4.4dB) corr: 0.00dB



Ant 2

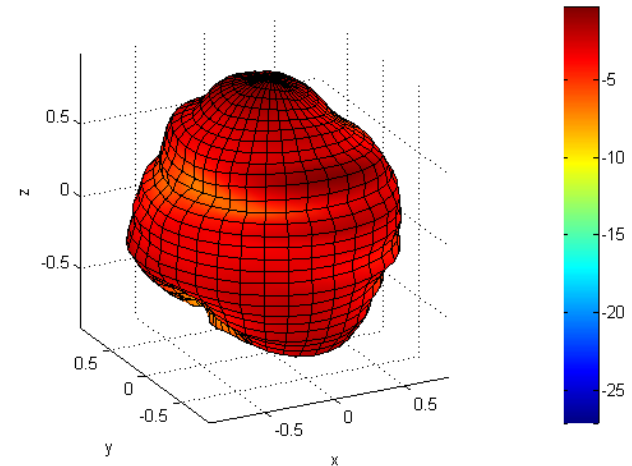
# Measured Antenna Gain 3D @2.44GHz

ant1\_0\_2019\_07\_12\_14\_53\_05\_a3Ds21data  
f=2440MHz Gain\_total [dBi] Max: 2.23dBi Min: -20.68dBi Efficiency: 29.04% (-5.4dB) corr: 0.00dB



Ant 1

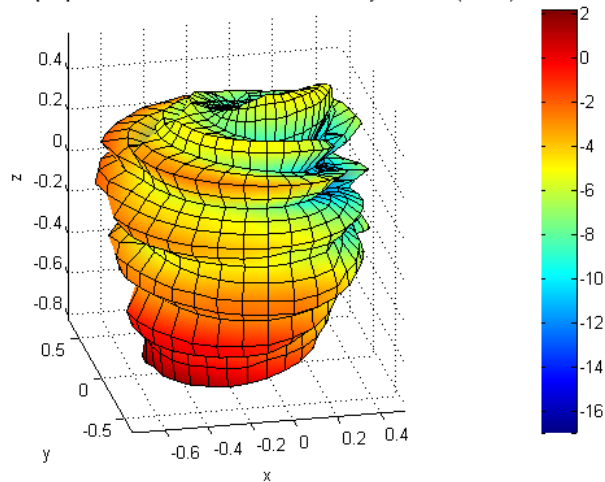
ant2\_0\_2019\_07\_12\_16\_20\_41\_a3Ds21data  
f=2440MHz Gain\_total [dBi] Max: -0.34dBi Min: -27.13dBi Efficiency: 42.50% (-3.7dB) corr: 0.00dB



Ant 2

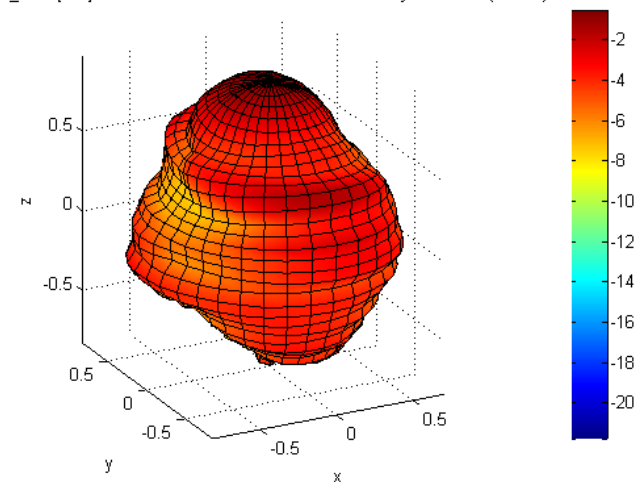
# Measured Antenna Gain 3D @2.48GHz

ant1\_0\_2019\_07\_12\_14\_53\_05\_a3Ds21data  
f=2480MHz Gain\_total [dBi] Max: 2.17dBi Min: -17.00dBi Efficiency: 29.88% (-5.2dB) corr: 0.00dB



Ant 1

ant2\_0\_2019\_07\_12\_16\_20\_41\_a3Ds21data  
f=2480MHz Gain\_total [dBi] Max: -0.57dBi Min: -21.77dBi Efficiency: 32.97% (-4.8dB) corr: 0.00dB



Ant 2