

Antenna Gain for FCC ID: UUYESS900, IC: 6891A-ESS900

The antenna gain is 5.42 dBi. This is based on the largest field strength to conducted power output differential.

The highest differential was for the middle channel of the G4 configuration which had a conducted output power of 11.255 dBm and a field strength of 111.87 dBuV/m at 3 meters.

Expected field strength with a 0 dBi antenna = 11.255 dBm + 95.2 = 106.455 dBuV/m

Antenna gain = 111.87 dBuV/m (measured) – 106.455 dBuV/m (theoretical assuming 0 dBi gain) = 5.42 dBi