

## **ANTENNA GAIN FOR FCC ID: MG3-R35602B**

The antenna gain is -1.753 dBi. This is based on the largest field strength to conducted power output differential.

The procedure in section 8.1.2 of the test report B21024D1 was used to find the field strength and the procedure in section 8.3 of the test report B21024D1 was used to find the conducted power output.

The highest differential was for the low channel which had a conducted output power of 6.633 dBm and a peak field strength of 100.08 dBuV/m at 3 meters.

Expected field strength with a 0 dBi antenna = 6.633 dBm + 95.2 = 101.833 dBuV/m

Antenna gain = 100.08 dBuV/m (theoretical assuming 0 dBi gain) – 101.833 dBuV/m (measured)  
= -1.753 dBi