

AGR-300

Antenna Simulation Report V1.0



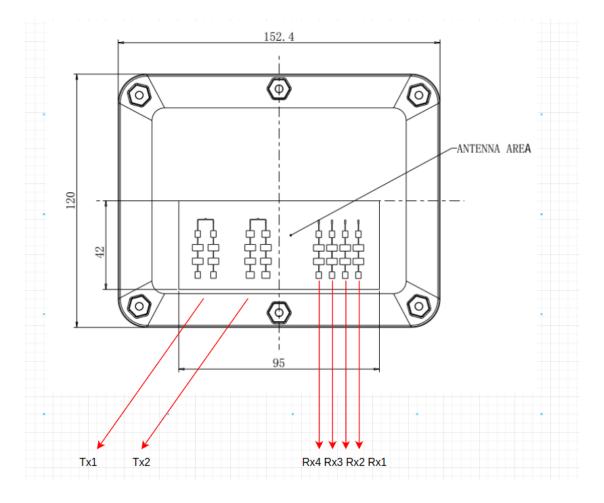
1. Antenna Description

AGR-300 Tx (Transmitter) antenna is a 2 x 4 patch (two channels) antenna with a gain of about 13.7 dBi. Rx (Receiver) antenna is a 4 x 2 patch (4 channels) antenna with a gain of about 10.6 dBi.

In the AGR-300 application, we only enable ONE Tx channel antenna (Tx 1) and ALL Four Rx channels, and Tx 2 is always disabled.

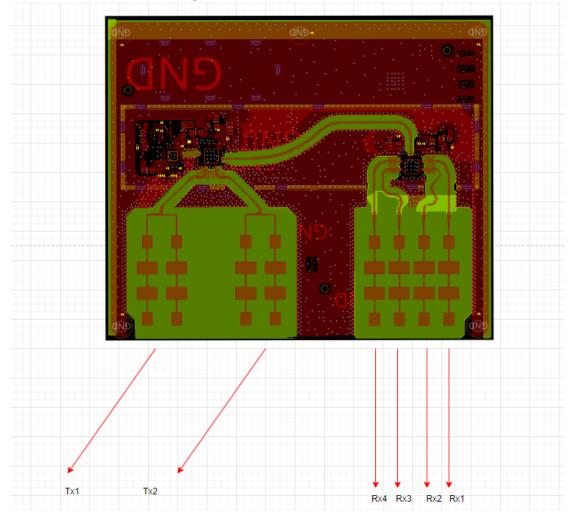
2. Antenna Layout and Dimensions

Antenna area view in Mechanical dimension:





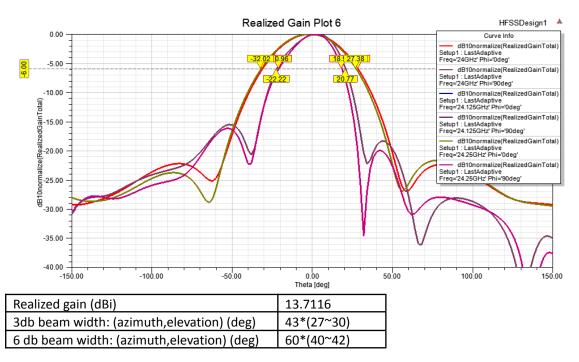
Antenna area view in PCB design:

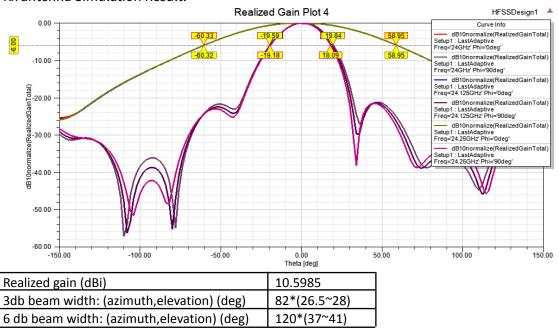


3. Antenna Simulation Result

Tx antenna Simulation Result:







Rx antenna Simulation Result: