

## RF Communications

### Bluetooth

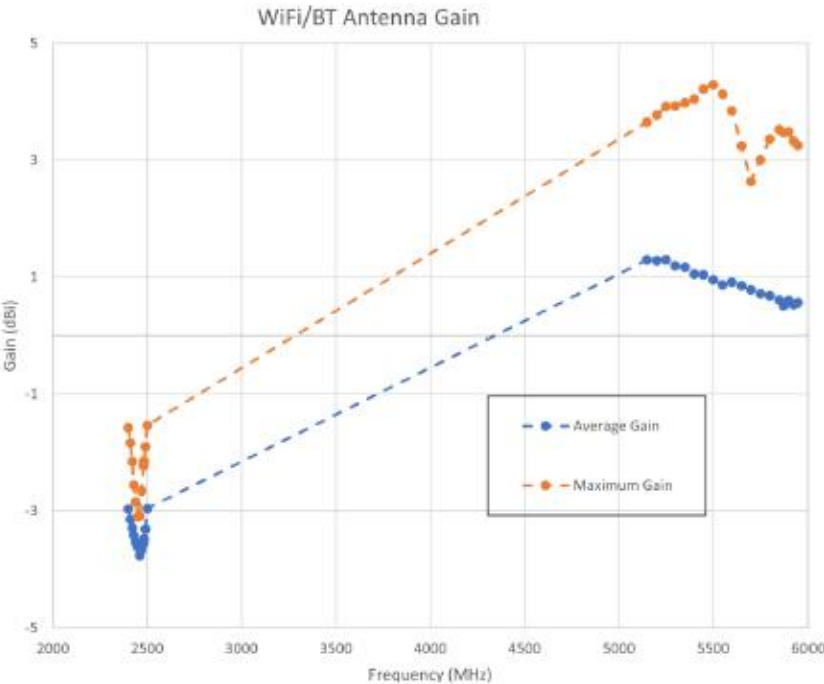
#### Bluetooth Antenna

The HMI Board exposes a connector to use an external antenna according to following specifications:



WiFi/BT	
Frequency range	2400 to 2500 MHz, 5150 to 5850 MHz
Linear Average Gain (dBi)	-3.5 dBi @ 2450 MHz, 1 dBi @ 5500 MHz
Maximum Gain (dBi)	-1.54 dBi 2400-2500 MHz, 4.13 dBi 5150-5850 MHz
Impedance	50 $\Omega$

### 1. Antenna Gain



### 2. Azimuth Gain Patterns

