

FCC RF Exposure Compliance for Non Simultaneous Operations

Operating Modes:

Mode 1: BT

Mode 2: BLE

Mode 3: WiFi 2.4 GHz

Mode 4: WiFi 5 GHz

Power Density is calculated from Maximum Conducted Power and Antenna Gain at prediction distance. Maximum of Conducted and Radiated Output Power is used in the calculation.

Therefore negative values for antenna gain have been replaced by 0 dBi.

None of the transmitters are operating Simultaneously.

RF Function	BT	BLE	WiFi 2.4	WiFi 5GHz
Frequency (MHz)	2402	2402	2412	5180
Conducted Output Power (dBm)	5.00	0.00	21.00	16.00
Tune Up Tolerance (dB)	0.00	0.00	0.00	0.00
Output Power (W)	0.003	0.001	0.126	0.040
Antenna Gain (dBi)	7.00	7.00	7.00	4.50
Antenna Gain (Numeric)	5.01	5.01	5.01	2.82
Prediction Distance (cm)	20	20	20	20
Time Averaged Duty Cycle (%)	100	100	100	100
Calculated Power Density (W/m ²)	0.032	0.010	1.255	0.223
Power Density Limit (W/m ²)	10.00	10.00	10.00	10.00

The maximum value for BT/BLE/WiFi is used in the above calculations.

Power Density Limits from FCC Part 1.1310(e)(1) Table 1.