

## RF Exposure Compliance for Simultaneous Operations

### Configurations for Simultaneous Operations

Configuration 1: WLAN 802.11b/g/n + Bluetooth

Configuration 2: WLAN 802.11a/n/ac + Bluetooth

Power Density is calculated from Maximum Conducted Power and Antenna Gain @20cm

Calculated Power density is with 100% Duty Cycle

RF Function	BT	2.4G WLAN	5G WLAN	$\Sigma$ of MPE ratios
Frequency (MHz)	2440	2440	5250	
Power Density (W/m <sup>2</sup> )	0.04883	0.42143	1.63362	
Requirement (W/m <sup>2</sup> )	10.00	10.00	10.00	
MPE ratio (Power Density/Requirement)	0.005	0.042	0.163	
Configuration 1 (MPE Ratio)	0.005	0.042		0.047
Configuration 2 (MPE Ratio)	0.005		0.163	0.168

Requirement:  $\Sigma$  of MPE ratios  $\leq 1$