

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	Σ of MPE ratios
Frequency (MHz)	2440	2440	5250	
Power Density (W/m ²)	0.08332	1.37600	3.15300	
Requirement (W/m ²)	10.00	10.00	10.00	
MPE ratio (Power Density/Requirement)	0.008	0.138	0.315	
Configuration 1 (MPE Ratio)	0.008	0.138		0.146
Configuration 2 (MPE Ratio)	0.008		0.315	0.324

Requirement: Σ of MPE ratios ≤ 1