

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	5750	
Power Density (W/m ²)	0,05633	0,51136	3,18222	
Requirement (W/m ²)	10,00	10,00	10,00	
MPE ratio (Power Density/Requirement)	0,006	0,051	0,318	
Configuration 1 (MPE Ratio)	0,006	0,051		0,057
Configuration 2 (MPE Ratio)	0,006		0,318	0,324

Requirement: Σ of MPE ratios ≤ 1