

RF Exposure Compliance for Simultaneous Operations

Configurations for Simultaneous Operations

Configuration 1: BT + WLAN 2.4GHz Chain 0 or 1

Configuration 2: BT + WLAN 2.4GHz MIMO

Configuration 3: BT + WLAN 5GHz Chain 0 or 1

Configuration 4: BT + WLAN 5GHz MIMO

RF Function	BT	WLAN Chain_0	WLAN HT20 MIMO	WLAN Chain_0	WLAN HT20 MIMO	Σ of MPE
Frequency Band	2.4GHz	2.4GHz	2.4GHz	5GHz	5GHz	
Output Power (dBm)	8.65	18.4	18.24	19.31	19.31	ratios
Antenna Gain (dBi)	4.58	4.5	7.51	4.48	7.49	
Duty Cycle	0.764	0.987	0.926	0.93	0.93	
Power Density (mW/cm ²)	0.00320	0.03830	0.06920	0.04430	0.08860	
Requirement (mW/cm ²)	1.00	1.00	1.00	1.00	1.00	
MPE ratio (Power Density/Requirement)	0.003	0.038	0.069	0.044	0.089	
Configuration 1 (MPE Ratio)	0.003	0.038				0.042
Configuration 2 (MPE Ratio)	0.003		0.069			0.072
Configuration 3 (MPE Ratio)	0.003			0.044		0.048
Configuration 4 (MPE Ratio)	0.003				0.089	0.092

Requirement: Σ of MPE ratios ≤ 1