

RF Exposure Compliance for Simultaneous Operations



Configurations for Simultaneous Operations

Configuration 1: DECT + Bluetooth

Power Density is calculated from Maximum Conducted Power and Antenna Gain at prediction distance

RF Function	DECT	BT	Σ of MPE ratios
Frequency (MHz)	1925	2402	
Conducted Output Power (dBm)	16.20	8.30	
Tune Up Tolerance (dB)	2.00	0.00	
Output Power incl. Tune Up Tolerance (W)	0.066	0.007	
Antenna Gain (dBi)	2.50	0.00	
Antenna Gain (Numeric)	1.78	1.00	
Prediction Distance (cm)	20	20	
Time Averaged Duty Cycle (%)	100	100	
Calculated Power Density (W/m ²)	0.234	0.013	
Requirement (W/m ²)	10.000	10.000	
MPE ratio (Power Density/Requirement)	0.023	0.001	
Configuration 1 (MPE Ratio)	0.023	0.001	0.025

Requirement: Σ of MPE ratios ≤ 1