

RF Exposure Compliance for Simultaneous Operations

Configuration for Simultaneous Operations

Configuration 1: GW900MHz + GPRS/EDGE 850 + Bluetooth

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

RF Function	ITS950 GW	Sensor	BT	Σ of MPE ratios
Frequency (MHz)	902	5725	2402	
Conducted Output Power (dBm)	13.00	-45.00	10.00	
Tune Up Tolerance (dB)	0.00	0.00	0.00	
Output Power Incl. Tune Up Tolerance (W)	0.020	0.000	0.010	
Antenna Gain (dBi)	0.00	0.00	0.00	
Antenna Gain (Numeric)	1.00	1.00	1.00	
Prediction Distance (cm)	20	20	20	
Time Averaged Duty Cycle (%)	100	100	100	
Calculated Power Density (W/m ²)	0.040	0.000	0.020	
Requirement (W/m ²)	6.013	10.000	10.000	
MPE ratio (Power Density/Requirement)	0.007	0.000	0.002	
Configuration 1 (MPE Ratio)	0.007	0.000	0.002	0.009

Requirement: Σ of MPE ratios ≤ 1