FCC RF Exposure Compliance, Uncontrolled Environment, Mobile Device

Evaluated according to FCC Part 2.1091
Power Density is calculated from Maximum Conducted Power and Antenna Gain at prediction distance
Maximum of Conducted and Radiated Output Power is used in the calculation.

RF Function	BT	BLE	WiFi 2.4	WiFi 5
Frequency (MHz)	**2402**	**2402**	**2412**	**5200**
Conducted Output Power (dBm)	3.00	1.00	20.00	16.00
Tune Up Tolerance (dB)	0.00	0.00	0.00	0.00
Output Power (W)	0.002	0.001	0.100	0.040
Antenna Gain (dBi)	8.00	8.00	12.00	11.00
Antenna Gain (Numeric)	6.31	6.31	15.85	12.59
Prediction Distance (cm)	20	20	20	20
Time Averaged Duty Cycle (%)	100	100	100	100
Calculated Power Density (W/m2)	0.025	0.016	3.153	0.997
Limit (W/m2)	10.00	10.00	10.00	10.00

Limits from FCC Part 1.1310(e)(1) Table 1
There are no simultaneous transmissions.

Antenna Gain

Frequency (MHz)	**2402**	**2402**	**2412**	**5500**
2J4A50PCFa, Peak Gain (dBi)	3.7	3.7	3.7	3.6
2J4A50PCFa, Peak Gain, MIMO (dBi)			6.7	7.1
Volvo Base_Ant VT Full_Feat (dBi)	8.0	8.0	8.0	7.0
Volvo WLAN Interior (dBi)			4.0	4.0
Hirschman Interior Phone PK				