

A03562 RF Exposure Assessment

Assessment Entity: Garmin International Inc. 1200 E. 151st Street Olathe, KS 66062 USA

Device Description: Multifunction display with WLAN and Bluetooth/ ANT transmitters

Installation type: Dashboard or Bail mounted

Exposure Type: 10-g extremity

RF Exposure Environment: General-Public/ Non-Aware User

Standards applied: KDB 447498 RF EXPOSURE PROCEDURES AND EQUIPMENT AUTHORIZATION POLICIES FOR MOBILE AND PORTABLE DEVICES

4.3.1. Standalone SAR test exclusion considerations

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following: $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

Calculation

Wi-fi Average Power	mW	17
Tune-up tolerance	dBm	0
Separation Distance	mm	30
Frequency	GHz	2.437
Exclusion Contribution		0.88
Exclusion Limit		7.5
Margin		6.62

Result

The EUT meets the criteria for exclusion from SAR testing.