Radio Frequency Exposure

EUT INFORMATION

EUT	SG700BT Wireless Linear Imager Bar Code Scanner
Frequency band (Operating)	Bluetooth: 2.402 GHz ~ 2.480 GHz

Antenna diversity	☒ Single antenna
	 ☐ Multiple antennas
	    ☐ Tx diversity
	    ☐ Rx diversity
	    ☒ Tx/Rx diversity

Max. output power	8DPSK: 3.171 dBm (2.08 mW)
Antenna gain (Max)	2 dBi

TEST RESULT

According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance,mm)] *[$\sqrt{f(GHz)}$] ≤ 3.0

The max. average power of channel, including tune-up tolerance(mW) is 2.08 mW @ 2402 MHz (With Tune-up tolerance),

The min. test separation distance (mm) is 5 mm,

So, [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] $*[\sqrt{f(GHz)}]$ = **0.645** < 3.0 (With Tune-up tolerance).

Therefore, standalone SAR measurements are not required for both head and body.