

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a MV520 with Bluetooth function operating in 2402-2480MHz. The EUT is powered by DC 3.7V rechargeable battery. For more detail information please refer to the user manual.

Antenna Type: Integral antenna.

Max Antenna Gain: -2dBi.

The nominal conducted output power specified: 5dBm \pm 3dB.

Test radiated output power: 0dBm ~ 6dBm

Modulation Type: GFSK, pi/4 -DQPSK and 8-DPSK.

According to the KDB 447498:

The maximum conducted output power specified is 8dBm = 6.31mW

The source-based time-averaging conducted output power

= 6.31 * Duty Cycle mW < 6.31mW (Duty Cycle < 100%)

The SAR Exclusion Threshold Level:

= 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz)

= 3.0 * 5 / sqrt(2.480) mW

= 9.53 mW

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.