

INTERTEK TESTING SERVICES

Radiofrequency radiation exposure evaluation

The equipment under test (EUT) is a Dynamic Screen Cube with ProSync function operating in 2402-2480MHz. The EUT is powered by DC 3.85V from battery or DC 5V2A from adapter. For more detail information pls. refer to the user manual.

For ProSync function:

Antenna Type: FPC Antenna.

Antenna Gain: 0.25dBi Max.

Modulation Type: GFSK, QPSK, 8PSK

The nominal radiated output power (e.i.r.p) specified: 6.25dBm (tolerance: ± 2 dB).

The nominal conducted output power specified: 6.0dBm (Tolerance: ± 2 dB).

According to the KDB 447498 V06:

The Maximum peak conducted output power for the EUT is 6.44 dBm in the frequency 2402MHz for GFSK 1Mbps which is within the production variation.

The Minimum peak conducted output power for the EUT is 4.89 dBm in the frequency 2404MHz for QPSK 4Mbps which is within the production variation.

The maximum conducted output power specified is 8.0 dBm= 6.31mW
The source- based time-averaging conducted output power =6.31mW

The SAR Exclusion Threshold Level:
 $= 3.0 * (\text{min. test separation distance, mm}) / \text{sqrt}(\text{freq. in GHz})$
 $= 3.0 * 5 / \text{sqrt} (2.480) \text{ mW}$
 $= 9.52 \text{ mW}$

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.