



**DATE: 30 October 2005**

**I.T.L. (PRODUCT TESTING) LTD.**  
**EMC/Radio Test**  
**for**  
**MTeye Security Ltd.**

**Equipment under test:**  
**Bluetooth Communication Module**

**MT-SiW35-SiGeL-001\***

\* See customer's declaration on page 7.

Written by:

D. Shidlovsky, Documentation

Approved by:

E. Pitt, Test Engineer

Approved by:

I. Raz, EMC Laboratory Manager

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This report relates only to items tested.

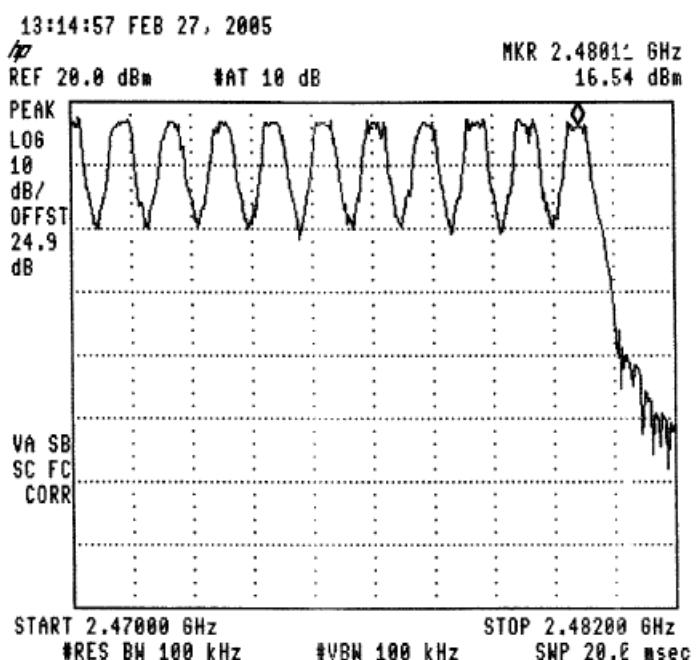


Figure 1.— 2470.0-2480.0 MHz

### 9.2 Average Time of Occupancy on Any Channel

Specification: FCC Part 15, Subpart C (15.247(a) (1)(iii)

Average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed e.g. within a period of 31.6 sec. (0.4 sec X 79 channels = 31.6 sec). During 1 sec. sweep, maximum 8 transmissions were observed. Therefore the average time occupancy for a hopping channel is:

$$31.6 \times 8 \times 0.375 \times 10^{-3} = 0.095 \text{ sec.}$$

## 14. Band Edge Spectrum

[In Accordance with section 15.247(c)]

### 14.1 Test procedure

Enclosed are spectrum analyzer plots for the lowest operation frequency (2402.0 MHz) the middle operation frequency (2440.0 MHz) and the highest operation frequency (2480.0 MHz) in which the E.U.T. is planned to be used. The E.U.T. antenna terminal was connected to the spectrum analyzer through EXT ATT=24dB (3 × 8dB) and an appropriate coaxial cable=0.9dB. The spectrum analyzer was set to 100 kHz resolution BW. Maximum power level below 2400 MHz and above 2483.5 MHz was measured relative to power level at 2402 MHz and 2480 MHz correspondingly.

For the upper band edge (2483.5 MHz) that is included within the restricted band 2483.5-2500 MHz, a radiated test in the 3m OATS was performed, comparing the result to the requirement of 54dB $\mu$ V/m.

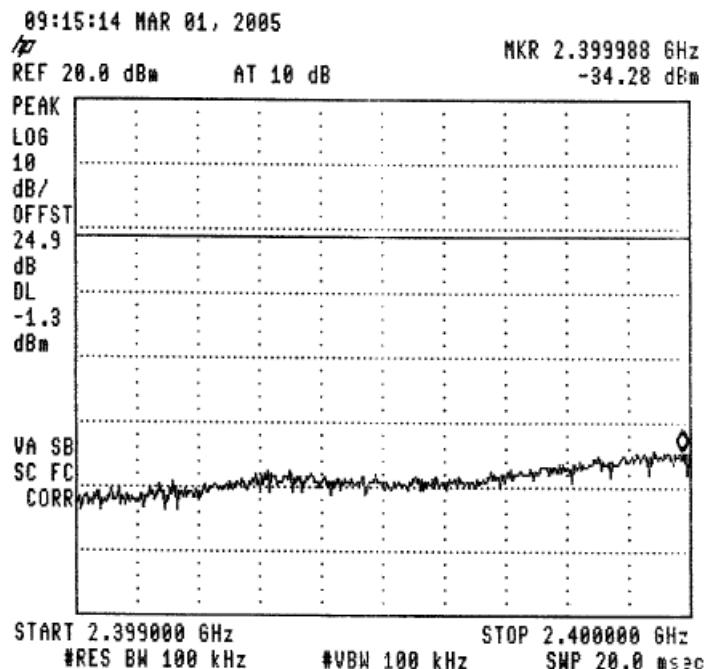


Figure 2 — 2402 MHz