Antenna Conducted Measurement [15.247(c)]

MEASUREMENT PROCEDURE:

1. The EUT output was directly connected to the spectrum analyzer capable of measuring the 10^{th} harmonic of the highest frequency used, 24750MHz.
2. The spectrum analyzer bandwidth settings are 100KHz RBW, 300KHz VBW.
3. The peak of the fundamental is determined.
4. A display line is set on the spectrum analyzer 20dB below the fundamental level.
5. The remainder of the spectrum, through 25GHz, is observed for any emissions that are greater than the 20dBc display line.

Using 100KHz resolution bandwidth, the spurious emissions outside the 2400-2483.5MHz band that is produced by the intentional radiator are greater than 20dB below the level of the fundamental frequency.

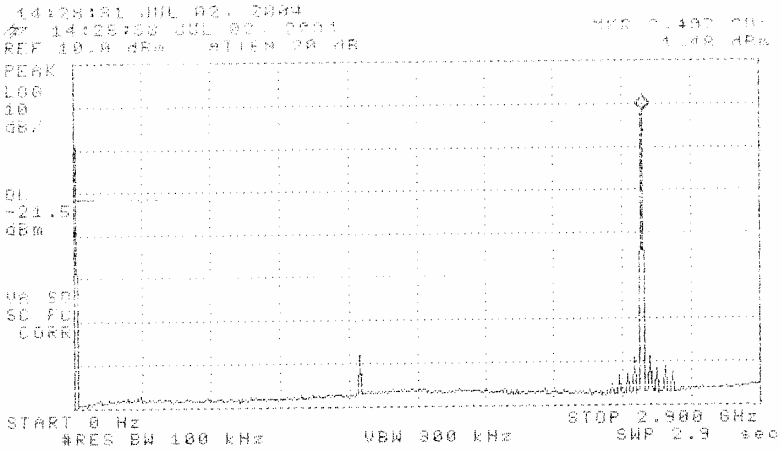
The charts on the following pages show the spectrum pattern of the EUT emissions.

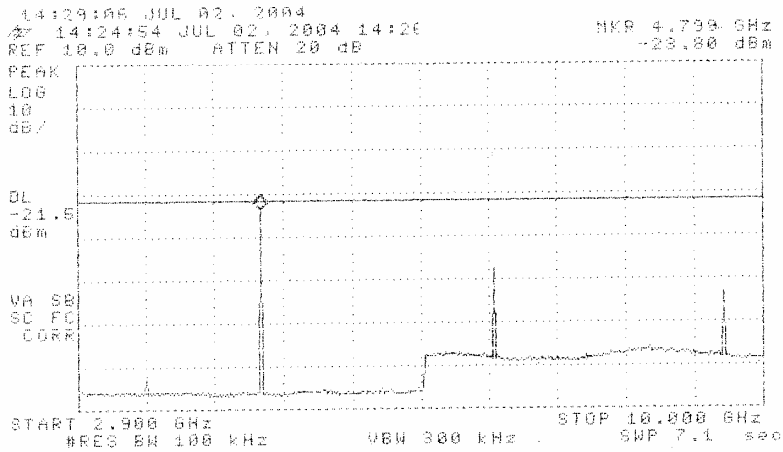
At the fundamental frequency of 2401MHz the highest level of the out of band spurious emission is 22.32dB below the level of the fundamental.

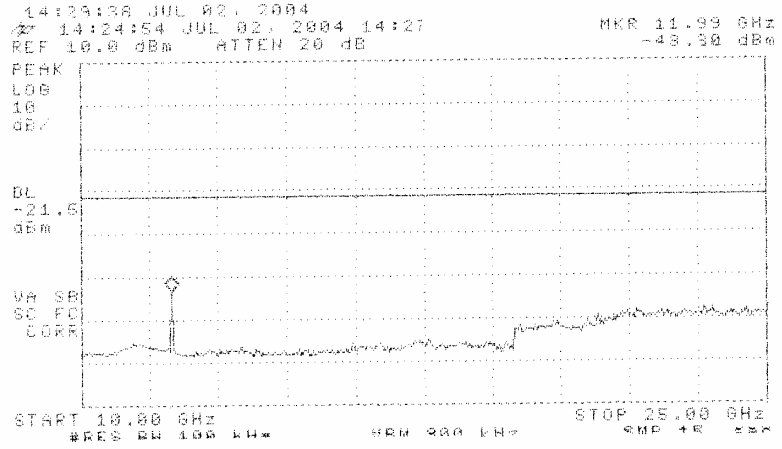
At the fundamental frequency of 2438MHz the highest level of the out of band spurious emission is 24.65dB below the level of the fundamental.

At the fundamental frequency of 2475MHz the highest level of the out of band spurious emission is 29.64dB below the level of the fundamental.

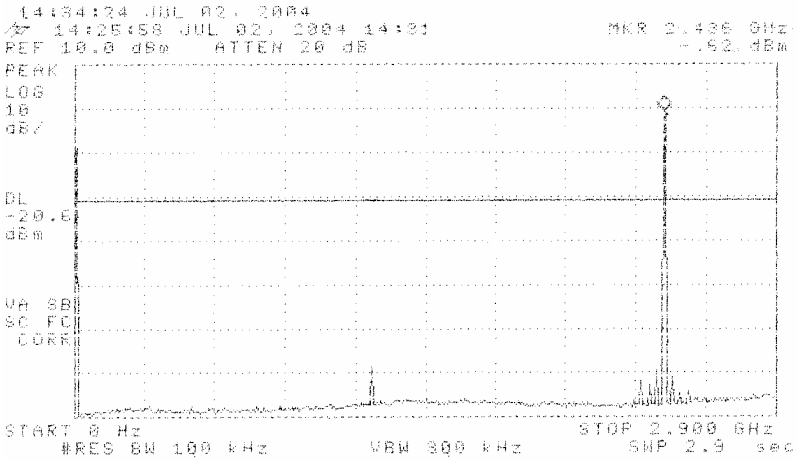
Model LCB100-EI. Transmitting at low channel - 2401MHz

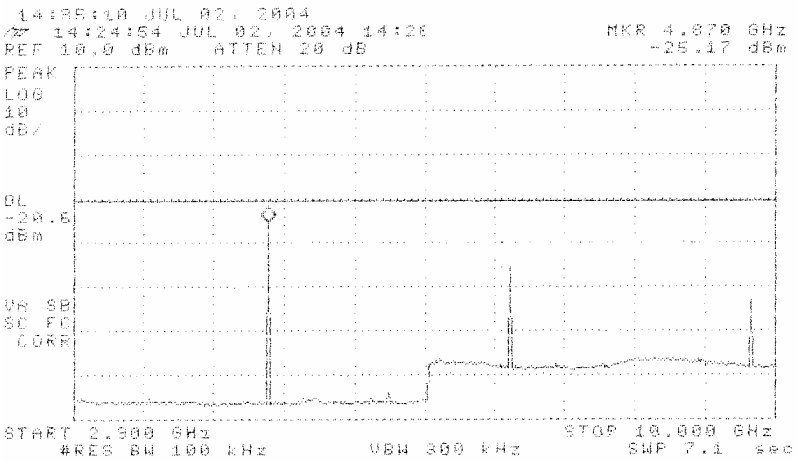


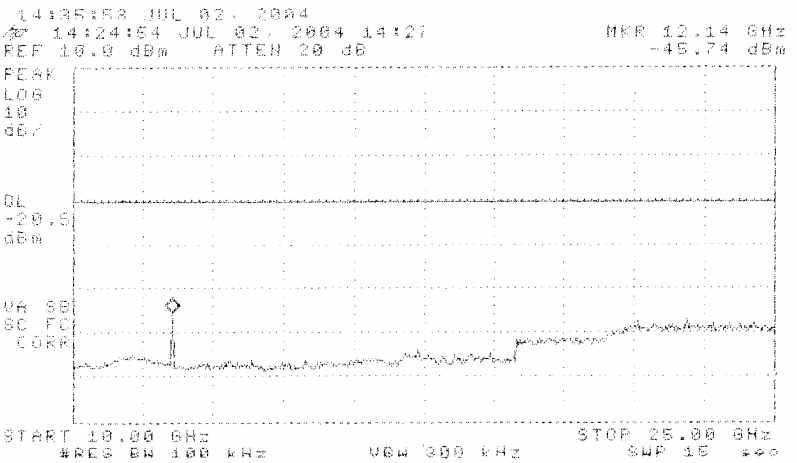




Model LCB100-EI. Transmitting at mid channel - 2438MHz







Model LCB100-EI. Transmitting at high channel - 2475MHz