

REPORT OF MEASUREMENTS

Measurements for the Intentional Radiator, and OBW were made in accordance with the procedures and reporting requirements at:

Honeywell's OATS (FCC No: 152762 & IC No:573F-1
which is located at:
2 Corporate Center Drive, Melville, NY 11747

Measurements were made in accordance with the procedure and reporting requirements of ANSI C63.4-2003.

The Test Set-Up (C63.4 section 10.1.3) is shown in EXHIBIT 5-2: "Test Setup Photos". The sequence of testing (C63.4 section 10.1.7) for radiated emissions is as follows: A preliminary scan was conducted with the receiver antenna close to the EUT in order to identify the emission characteristics of the EUT (C63.4 section 8.3.1.1). The antenna and EUT were then placed at the proper separation (3 Meters) with the EUT positioned at 80 cm on a non-conducting turntable. The EUT was rotated on the turntable to maximize the received signal strength, then the receiver antenna height was varied between one (1) and four (4) Meters to further maximize the received reading. Thereafter, the device was again rotated to a peak output position and the antenna height was re-adjusted for maximum received signal. This procedure was re-iterated until there was no further increase in signal level. This procedure was performed with the EUT rotating in three orthogonal planes (C63.4 section 13.1.4.1) to generate a final maximum reading which is recorded on the radiated emissions result sheet. Similar measurements were made on the receiver to ensure compliance as an unintentional radiator.

Note: The Spectrum Analyzer resolution bandwidths were set as follows:
(Video Bandwidth is always set 3X greater than RBW)

For Z-Wave occupied bandwidth measurements (EXHIBIT 5-4A), RBW = 100KHz and VBW = 300KHz.

For Short Range Radio occupied bandwidth measurements, RBW = 30KHz and VBW = 100KHz.

For radiated emissions below 1 GHz, the RBW = 100KHz.
Detector function set to peak.

For radiated emissions above 1GHz, the RBW = 1MHz.
Detector function set to peak.

TRANSMITTER RADIATED EMISSIONS are recorded in "EXHIBIT 5-3A" and EXHIBIT 5-3B".

OCCUPIED BANDWIDTH is recorded in "EXHIBIT 5-4A" and "EXHIBIT 5-4B".

TEST EQUIPMENT (per C634. section 10.1.4) is recorded in "EXHIBIT 6".