

Report of Measurements.

Measurements were made at Honeywells Measurement Facility at 160 Eileen Way , Syosset , NY 11791 , FCC Registration number : 90421. IC Registration number : 4338 Measurements were made in accordance with the procedures and reporting requirements of ANSI C63.4-2003.

The Test Set-Up (C63.4 section 10.1.3) is shown in the attached photograph. 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 with the EUT positioned 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 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. See Exhibit 6 for list of test equipment (C63.4 section 10.1.4).

Note, Spectrum Analyzer resolution bandwidths set as follows;

Video Bandwidth = 3 X RBW

- For radiated emissions below 1 GHz, the RBW = 100kHz. Detector function set to peak.
- For radiated emissions above 1 GHz, the RBW = 1MHz. Detector function set to peak.
- For occupied bandwidth measurements, RBW = 100kHz,
(This is in accordance with the minimum RBW allowed by C63.4, which requires RBW greater than 5% of the FCC required occupied bandwidth spec of 0.25% of center frequency i.e.; $345\text{ MHz} \times 0.25\% = 862,500\text{ KHz} \times 5\% = 43,125\text{ KHz}$ min RBW).

THE TEST SETUP PHOTOS are shown in EXHIBIT 5-2.

TX RADIATED EMISSIONS are recorded in EXHIBIT 5-3.

TX OCCUPIED BANDWIDTH is shown in EXHIBIT 5-4.