

Date: 1998-11-30
No.: HM1500B/504

TEST REPORT
APPENDIX A

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NOTES FOR THE RADIATION MEASUREMENT

(1) Test site facility:

Open field test site located at Taipo (Hong Kong) with a metal ground plane in compliance with the requirement of ANSI C63.4 - 1992. The facility is F.C.C. listed for part 15 & 18 (F.C.C. reference 31040-SIT 1300F2)

(2) Test Equipment:

HP 8572A EMI receiver was set to CISPR quasi-peak mode (100MHz to 1GHz) and Average mode (1GHz to 18GHz).

(3) Test Set-up:

The EUT and support equipment are placed in accordance with F.C.C. / OST MP-5.

(4) Measuring Procedure:

An initial pre-scan measurement was performed in a semi-anechoic chamber using a 25dB gain (100MHz to 1GHz) pre-amplifier and 30dB gain (1GHz to 18GHz) pre-amplifier. The receiver antenna in the chamber was 1.5m above the groundplane and 3m from the sample. The sample was placed 0.8m above the groundplane. Measurements in both horizontal and vertical polarities were performed and rotated through 360° in order to maximize emissions with the sample exercised in accordance with FCC / OST MP-5.

Emissions recorded during the pre-scan were then re-measured on an open area test site (OATS) in accordance with F.C.C. part 18 Requirement (FCC /OST MP-5).

The ambient noise scanning was made before powering on the EUT and support equipment to identify the emissions from the environment. During the test, each emission was maximized by having the EUT continuously working, arranging and manipulating interconnecting cables, rotating turntable and varying antenna height from 1m to 4m in both horizontal and vertical polarization. The frequency range tested is from 100MHz to 18GHz and the emissions are shown in Test Results.

Remark:

Purpose of this test is to provide the Applicant with the necessary test data of their device for the submission to FCC with application for Equipment Authorization under FCC's Equipment Authorization Program. This test itself is not an Approval Test.