

SPORTON INTERNATIONAL INC.

Equipment : ACCESS POINT

Model : ME-103



1. The TCB wants confirmation that the radiated spurious emissions tests were performed to 26GHz. They are concerned that the system used did not have sufficient dynamic range above 5GHz to perform these measurements.

Ans. : "Sporton confirmed that the radiated spurious emissions were investigated to 26GHz by using the antenna in close proximity to the device under test (thereby avoiding the noise floor/dynamic range limitations you mention). No significant signals were observed above the second harmonic".

2. Report shows that a ferrite is used on the 6V cable of the AC/DC adapter for booster/injector and on the AC/DC adapter for ME103 (see attached pictures). Please explain such ferrite were used or not used in the tests?

Ans. : "Testing was performed both with and without the ferrites in place. Without the ferrites on the dc power cables the system had a passing margin of less than 3dB against the Class B digital device limits. With the ferrites on the cables the margin was increased to more than 3dB. The ferrites had no effect on the AC conducted emissions from 0.15 - 30MHz or on the radiated emissions above 300MHz. the test configuration photographs and product photographs were taken with the ferrites in place. the device is not being sold with the ferrites and the digital device test report will support this configuration."


Alex Chen
Manager