FCC ID: AS5ONEBTS-16

APPLICANT: Alcatel-Lucent

EXHIBIT 6

Section 2.1033 (c)(10) CIRCUITRY AND DEVICES FOR SUPPRESSION OF SPURIOUS RADIATION

A description of all circuitry and devices provided for suppression of spurious radiation.

Response

The Alcatel-Lucent AWS wireless base stations, subject of this application, were designed in adherence to the proper Electromagnetic Compatibility (EMC) guidelines extending from the circuit board level to the shelf and system levels to significantly suppress inter-modulation products, carrier induced harmonics and other spurious signals as well as the emissions radiated from them. The suppression of spurious radiation was achieved mainly by implementing the following two techniques:

- 1. Effective filtering in the RF path of the transceiver unit and band-pass transmit filters (external to the transceiver).
- 2. Proper grounding and RF shielding of the circuitry, circuit boards, cables, shelves and the frame.