

Instructions to OEM

**FCC ID: ZQO-DWPCIE83 Integrators for
WMDS-139AG in HP ENVY14 Spectre**

Introduction

This document describes mandatory steps required by the OEM integrator when designing and manufacturing any host PC system utilizing this Standard Microsystems Corporation radio module. Also refer to the Standard Microsystems Corporation Regulatory Compliance Guide available on the Standard Microsystems Corporation customer support site and from the Standard Microsystems Corporation customer support contact person. This document lists the mandatory responsibilities and actions of the OEM integrator. Failure to comply with all requirements and conditions in this document may result in non-compliance of the host PC with FCC rules and invalidate the Standard Microsystems Corporation FCC certification for the module.

Allowed Antennas to be used with the Radio Module

The Integrator must request from Standard Microsystems Corporation sales or regulatory contact person the current list of allowable antennas for use with the specific radio module. This information is not available on the public FCC database but will be provided by Standard Microsystems Corporation. Standard Microsystems Corporation will provide a table of antenna type(s) models, cable lengths, and peak gain in each band. Generally, the list will include Omni-directional Inverted-F (PIFA) and stamped metal/film antennas for use inside laptops. In some cases, dipole antenna types may be included in the available list. Peak gain including cable losses are quoted in the table provided by Standard Microsystems Corporation. Use of any of the antennas in the list (identical or equivalent antenna with lower gain, dimensions and cable lengths) is acceptable in the host device, without any further FCC testing or submission. However, use of an antenna that is higher gain than those on the list or is a Different Type, requires additional testing and submission to the FCC. Therefore, antennas with higher gain or different type than specified by Standard Microsystems Corporation may not be used with the Standard Microsystems Corporation module until new testing and reporting is completed.

The highest Ant gain is 2.58dBi on HP ENVY14 Spectre.

► RF Exposure Information (SAR)

This device is compliance with SAR for general population /uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device was tested for operations with the device contacted directly to the human body to the back side of the EUT. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitted antenna during transmitting.