



OMAP35x Torpedo SOM Radiated Emissions Scans

White Paper 436

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Revision History

REV	EDITOR	DESCRIPTION	APPROVAL	DATE
A	JCA	Initial release	PO	04/02/10

1 OMAP35x Torpedo SOM Radiated Emissions Scans

The OMAP35x Torpedo SOM passes FCC class B threshold levels. This does not guarantee FCC validation for end-product designs; final testing and passage is the responsibility of the customer.

1.1 Test Setup

The test results were obtained by running the OMAP35x Torpedo SOM on a standard Zoom OMAP35x Torpedo Development Kit baseboard, powered by the standard kit 5V power supply. The tests were conducted at the Northwest EMC (www.nwemc.com/) test facility. All scans were done in a calibrated anechoic chamber.

1.2 30 MHz to 1 GHz Scan

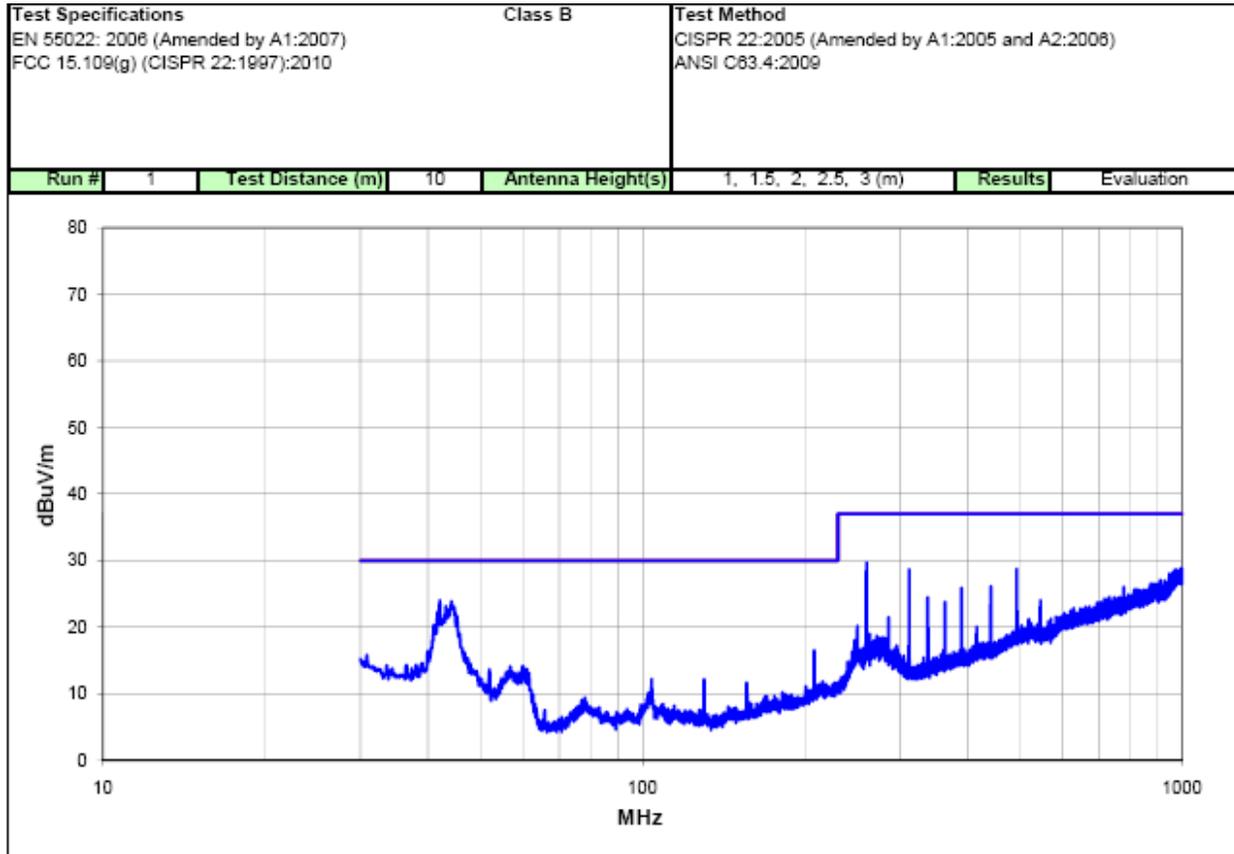


Figure 1.1: RE Scan Class B Test Results—Evaluation

1.3 High Frequency: 1 GHz to 6 GHz Scans

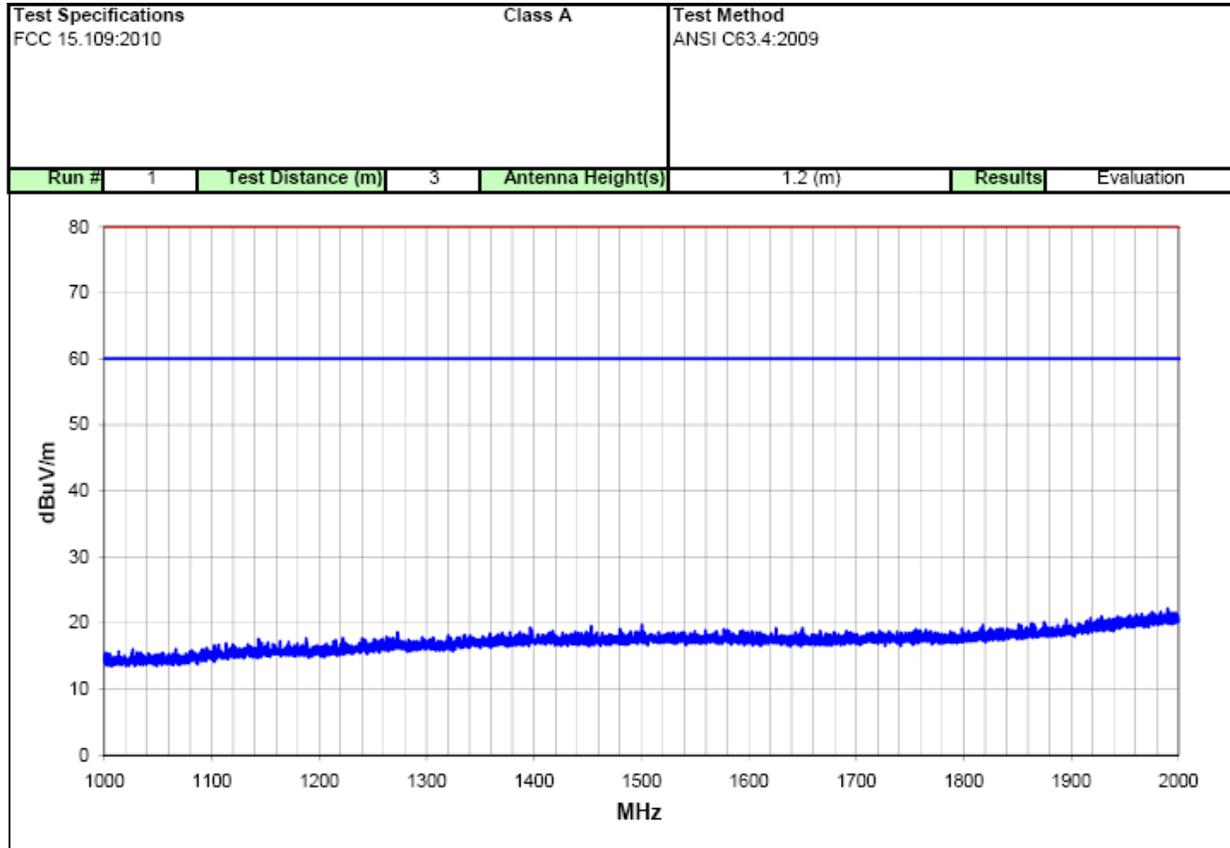


Figure 1.2: HF Scan Class A Test Results

WP436 OMAP35x Torpedo SOM Radiated Emissions Scan

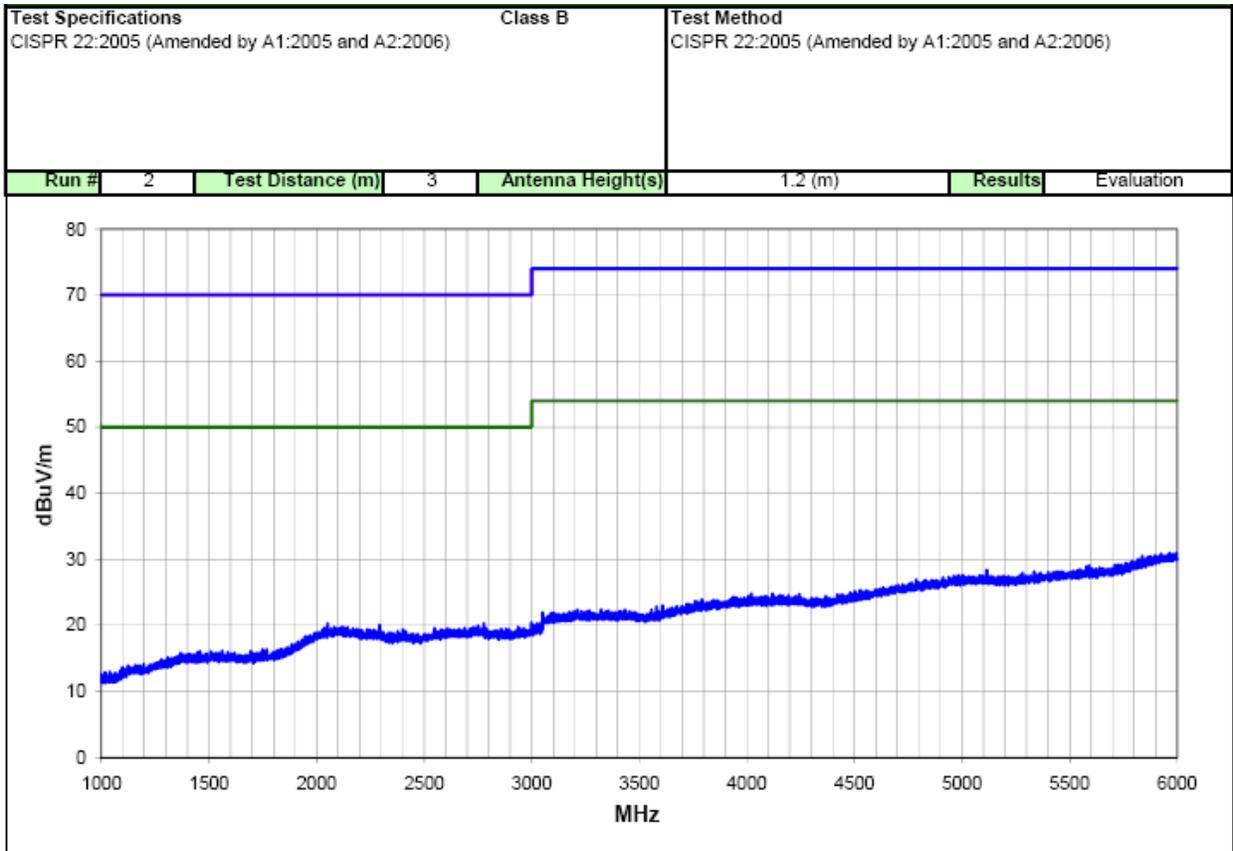


Figure 1.3: HF Scan Class B Test Results