



MPC8360 COM Express SOM Radiated Emissions Scan: 30 MHz – 1 GHz

White Paper 385

Logic Product Development
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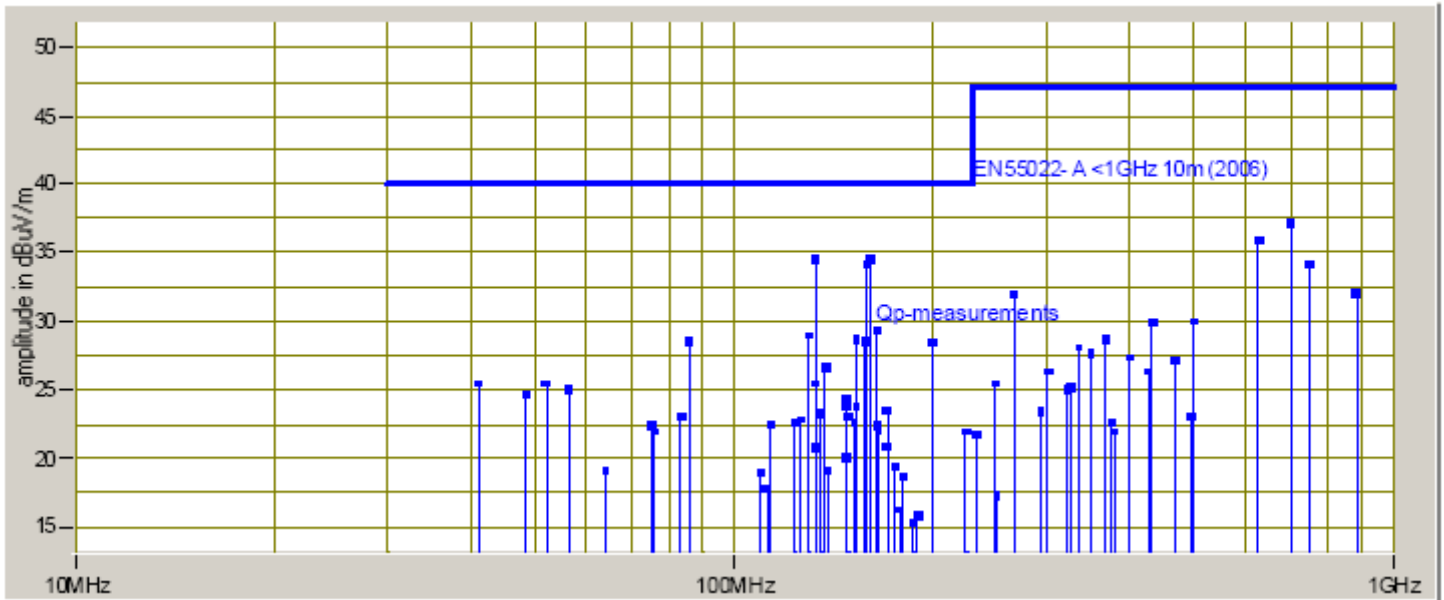
REVISION HISTORY

REV	EDITOR	DESCRIPTION	APPROVAL	DATE
A	Jed Anderson	Initial release	PO	06/27/08

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1.1 Test Results

The horizontal line across the graph denotes the maximum emissions level for FCC Class A. FCC Class B level is 10dB lower than Class A (shown).



1.2 Test Equipment

All the testing equipment was calibrated under control of the testing facility.

1.3 Test Setup

The test results were obtained by running the SOM on a modified low cost EVB board (FCC board). The modified board consisted only of a DB-9 serial port connection and power jack. All other headers and connectors were taken off of the layout and not populated for this FCC board. This was done to minimize as much as possible the radiation from the baseboard and to focus on emissions generated by the SOM.

The SOM and baseboard combination was tested at a calibrated open-air test site at TUV's Testing Laboratory. The graph above shows the results of the radiated emissions testing at TUV.