TEST UNIT AND EQUIPMENT:

GU128x32F-7806A #829052 was tested between 8-Sep and 9-Sep, 2008.

Weiss WKL 100 Environmental Chamber serial 2200299200 calibrated 14-Aug-2008.
Shaffner NSG435 ESD simulator PA0138 uncalibrated.
Agilent E4402B spectrum analyser PA0193 calibrated 9-Nov-2007.

OPERATING CONDITION:

RF emission and ESD: Vcc = 5V, GND = 0V, module operating in self-test mode.
Temperature test: Vcc = 5.25V and 4.75V, module operating in self-test mode.

TEMPERATURE RANGE:

The module was brought to temperature in the Weiss-Technik chamber in the sequence, and for the durations shown. Module was powered on in self-test mode, and visual quality of display observed.

Temp	Duration	Observation
-40C	2 hours	Off, storage
-40C	1 hour	Operating, OK
+85C	16 hours	Off, storage
+85C	1 hour	Operating, OK

ELECTRO-STATIC DISCHARGE (Method IEC 6100-4-2):

The module was powered up in self-test mode on the test table. There it was exposed to contact and air discharges applied to the ribbon cable across the module face, the horizontal conductive plane under the module, and the vertical conductive plane.

Observation	Contact Discharge	Air Discharge
Lowest voltage discharged	5kV	10kV
Temporary spurious ON/OFF of pixels	None	None
Module reset or lock-uo	None	None
Permanent damage	None	None
Highest voltage discharged	9kV	16kV

CONDUCTED RF EMISSION TEST:

The 50-ohm input of the Agilent E4402B spectrum analyser was AC-coupled to the 5V supply of the module.

While the module performed self-test, the spectra shown overleaf were taken:

Start	Stop	Spectra	Significant UUT peaks
50 kHz	2050 kHz	UUT	-32dBm @200kHz
1 MHz	11 MHz	UUT	None
8 MHz	88 MHz	UUT	-42dBm @28MHz
80 MHz	280 MHz	UUT, background	-48dBm @106MHz
0.2 GHz	3 GHz	UUT	None

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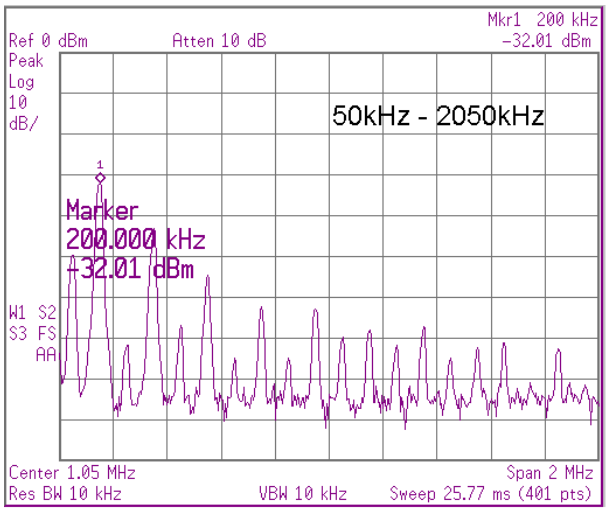

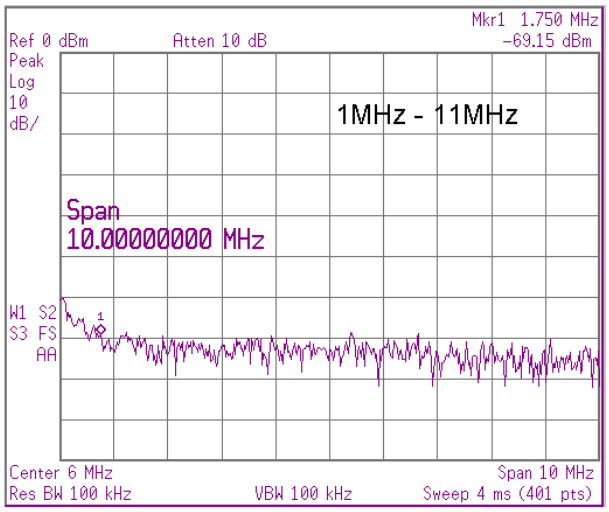

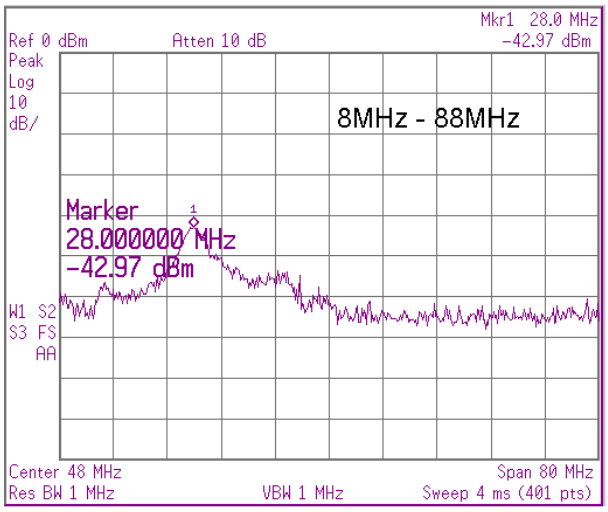

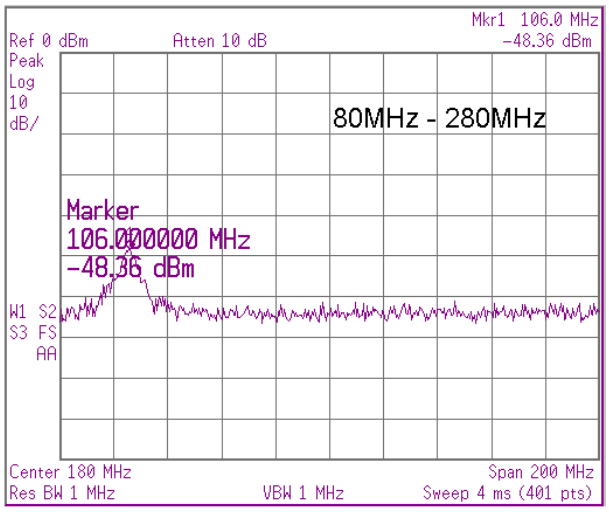

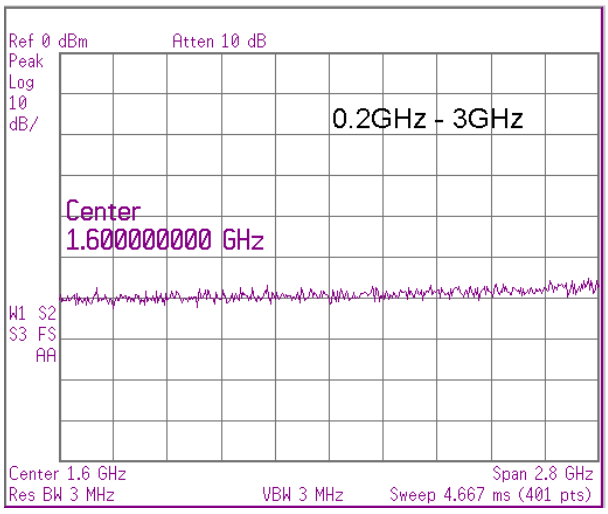

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