



September 26, 2008

Supplement to EMC test report (Exhibit 6A2) for Motorola portable cellular phone (FCC ID: IHDP56JX1)

Reference:

Correspondence Reference Number: IHD80831

Confirmation Number: 809040831

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Calibration

Additional information for listed question number 5:

5. Sonoma 310N Pre Amplifier is out of cal in the tests performed for this device in Test Report 22334-1 BT Radiated Report. Please address.

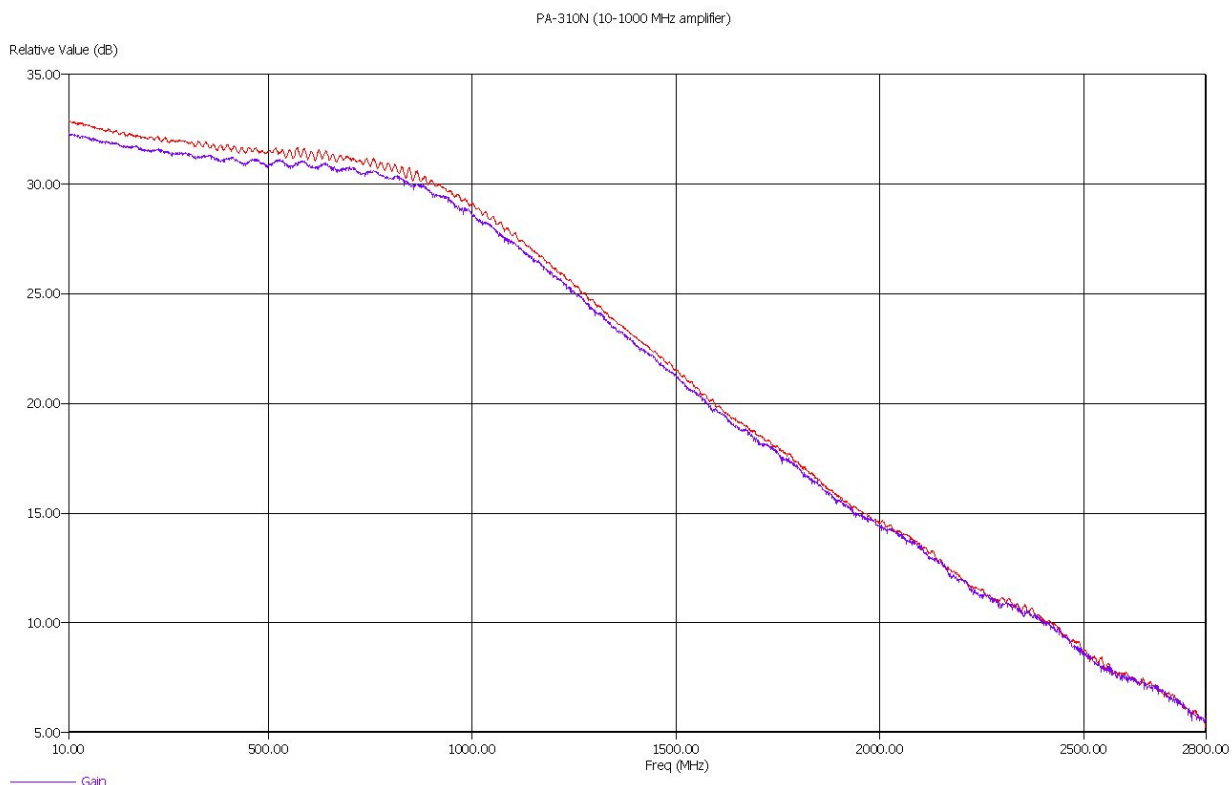
The Sonoma 310N Pre-amplifier is out of cal as indicated from the dates in the test report. The pre-amplifier was actually calibrated May 15-2008, but we had forgotten to include the new dataset into the test cases we use for testing. This has now been corrected.

To document the situation for using the amplifier after due date we present a graph of the calibration data obtained May 15-2008, with the data from June 16-2007 cal data.

Taken from the calibration test setup:

Title: PA 310N Amplifier gain
File: PA 310N 10-2700MHz 2008 - 2007.set
Operator: HKR001
EUT Type: Power amplifier PA310N
EUT Condition:
Comments:
Red: Calibration 25-06-2007
Blue: Calibration 15-05-2008

5/15/2008 16:06:43
Sequence: Amplitude Response



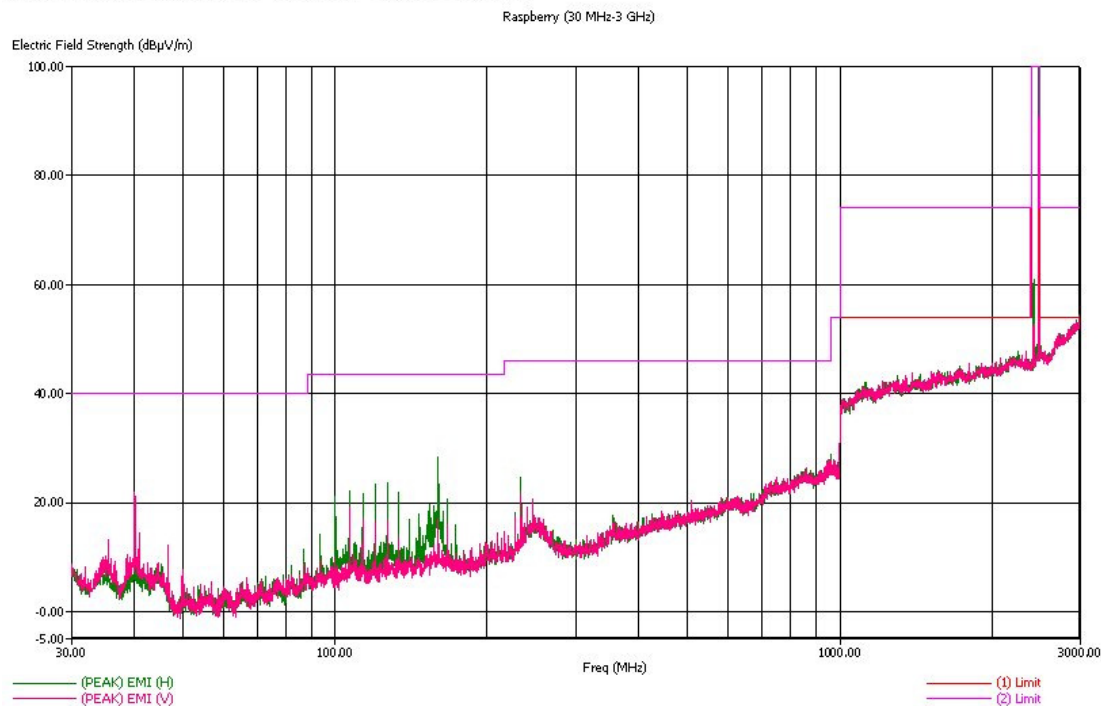
Sonoma 310N pre-amplifier calibration graphs for 2007 and 2008



Test data taken from the test report

Title: FCC 15.247(c)
 File: Raspberry (Non AWS) 22334 (5.31)(ESU) FCC15.247 BT2400 Tch-hgh_X 2008-09-03 -3.s
 Operator: ADR AAI FMC: TI 1 usv001
 EUT Type: Raspberry ESN: 80B002A0
 EUT Condition: Board Rev: P2, open
 Comments: FCC 15.247(c)(1) Bluetooth (BT) emission in TCH mode.
 BT ch. 78 (2480 MHz) up/down in test mode. Orientation X=H
 HLP 3003C antenna (30MHz - 3 GHz). Peak detector used.

03-09-2008 10:35:40



Sonoma 310N pre-amplifier is applied in the range from 30 MHz – 1 GHz

Conclusion

The pre-amplifier gain indicates a deviation of less than 0.5 dB over the usable range. The pre-amplifier functions as expected, also even if we have not included the new calibration data and the margin from the noise floor to the limit line is large enough, so the influence on the test results is negligible.