



Date: December 13, 2013

Federal Communications Commission
Authorization and Standards Division
7435 Oakland Mills Road
Columbia, MD 21046
To Whom It May Concern:

Ref: Data Re-use from FCC ID: N7NMC7350
(Approval date: 12/01/2013)
Applicant: Sierra Wireless, Inc.

This is to request for a test data re-use of the Radio Module,
FCC ID: N7NMC7350L, Model name: MC7350-L

Re-use the test data from the Radio Module,
existed FCC ID: N7NMC7350, Model name: MC7350

Please find the similar and difference in the attached "Sierra Wireless MC7350&
MC7350-L Wireless Modem _ Comparison Of Radio System for different regions of
deployment"

According to MC7350-L verification report, the conducted power and the worst case of
radiated emission showed similar with MC7350 test data.

We apply to re-use the test data from FCC ID: N7NMC7350.
The data re-use include testing of:
Radiated Emissions, Conducted Emissions, Band Edge, Occupied Bandwidth, Peak to
Average Ratio, Frequency Stability.

If you have any questions regarding this application, please feel free to contact me.

Best Regards

A handwritten signature in black ink that reads "Suzi Lan".

Suzi Lan
Approval Certification Engineer



Sierra Wireless MC7350&MC7350-L Wireless Modem _ Comparison Of Radio System for different regions of deployment

Document #:	
Revision:	1.0

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Document #:		Revision:	1.0	Page 2 of 6
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1 General

1.1 Purpose

This document is created to substantiate the leveraging of compliance testing done on MC7350 to MC7350-L.

1.2 Scope

This document summarizes the MC7350 and MC7350-L models based on the region of deployment and their similarities in terms of the radio system and other network impacting sources like the reference clock.

1.3 Revision history

Rev	Date	Author	Summary of changes	ECO #
1.0	December 12, 2013		First Release	

2 Sierra Wireless MC7350, MC7350-L Radio modems

2.1 Frequency bands support

Frequency bands support in MC7350 and MC7350-L modules:

	MC7350	MC7350-L
CDMA BC0 (Cellular 800 MHz)	Supported	Not supported
CDMA BC1 (PCS 1900 MHz)	Supported	Not supported
CDMA BC10 (Secondary 800 MHz)	Supported	Not supported
LTE Band 4 (AWS 1700/2100 MHz)	Supported	Supported
LTE Band 13 (700 MHz)	Supported	Supported
LTE Band 25 (1900 MHz G Block)	Supported	Not supported
GPS	Supported	Supported
GLONASS	Supported	Supported

2.2 Chipset(s) and reference source used in MC7350 and MC7350-L

MC7350 uses the Qualcomm MDM9615 chipset.

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Document #:		Revision:	1.0	Page 3 of 6
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MC7350-L uses the Qualcomm MDM9215 chipset.

The only difference between MDM9615 and MDM9215 is:
MDM9615 add a CDMA processor in Air Interface compare with MDM9215. Other electronic parameters keep the same

Table 1-2 Summary of MDM group capabilities

Device	Package	LPDDR1 SDRAM	Supported air-interface standards				
			CDMA	WCDMA	LTE	TD-SCDMA	GSM
MDM9615 IC	10 x 10 mm 424 NSP	External via EB11	Yes	Yes	Yes	Yes	Yes
MDM9215 IC			No	Yes	Yes	Yes	Yes
MDM8215 IC			No	Yes	No	No	Yes

Both of MC7350, MC7350-L use the 19.2 MHz XTAL, Kyocera CT2520DB19200C0FLHAF as the reference source for generating all other digital clock signals and for the radio.

2.3 Similarities and delta in the MC7350, MC7350-L chipset configuration and RF front end

MC7350 and MC7350-L share the same PCB, including RF transceiver WTR1605L, RF front end components, baseband except MDM9615/MDM9215 modem, and power management part.

The only difference between the two modules is LTE B25 components are not mounted on MC7350-L since MC7350-L doesn't support B25. However, all B25 components pads can be found on MC7350-L PCB, it's the same as MC7350 PCB.

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Document #:		Revision:	1.0	Page 4 of 6
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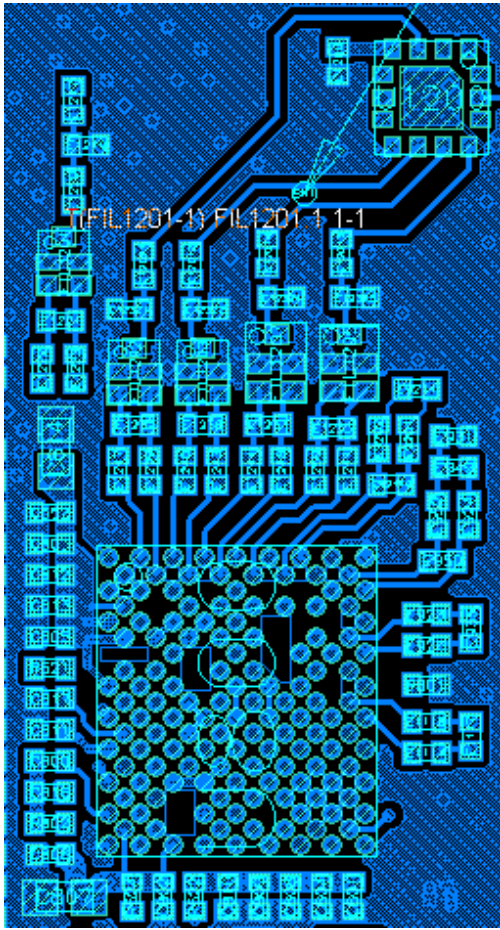


Figure1: MC7350 RF Transceiver layout

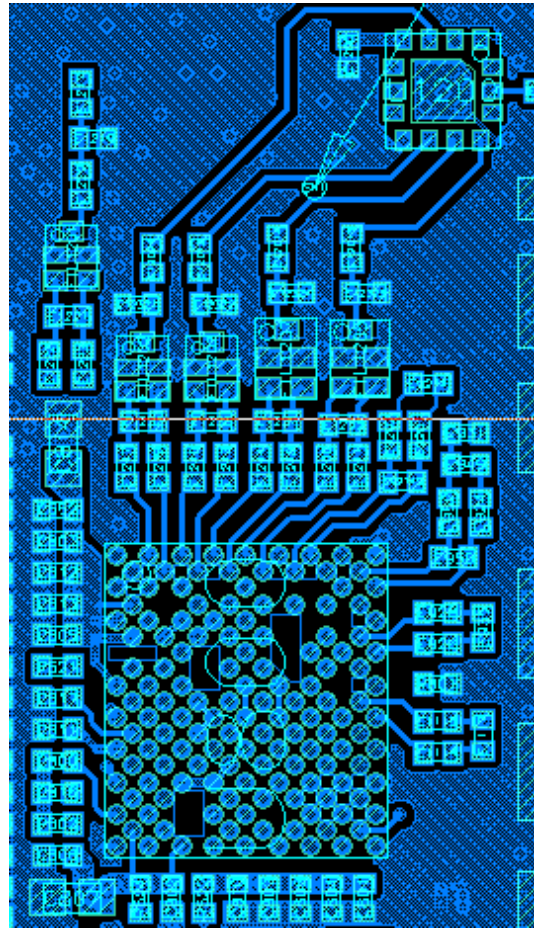


Figure2: MC7350-L RF Transceiver layout

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Document #:		Revision:	1.0	Page 5 of 6
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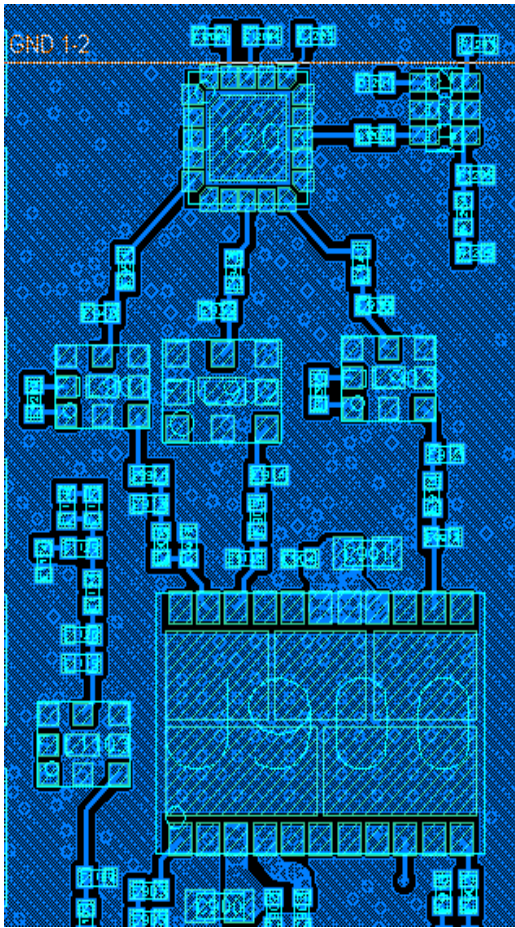


Figure3: MC7350 RF front end layout

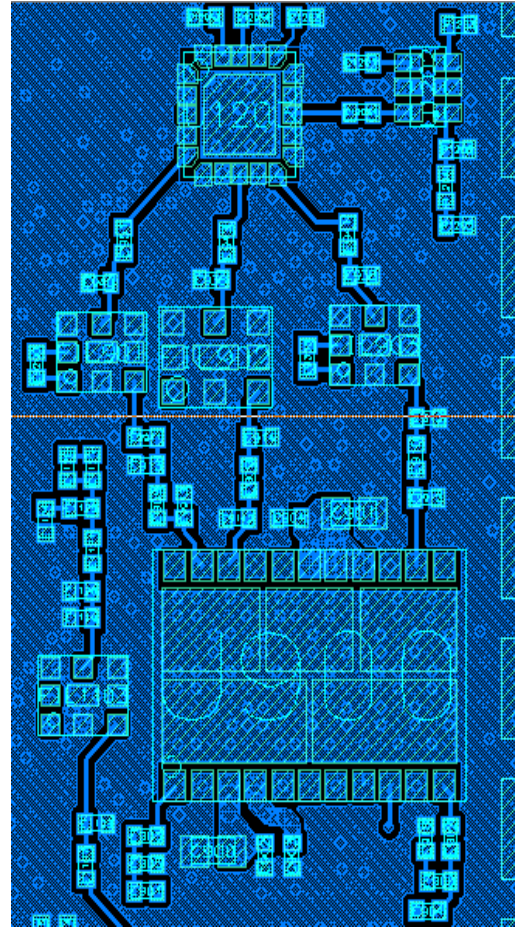


Figure4: MC7350-L RF front end layout

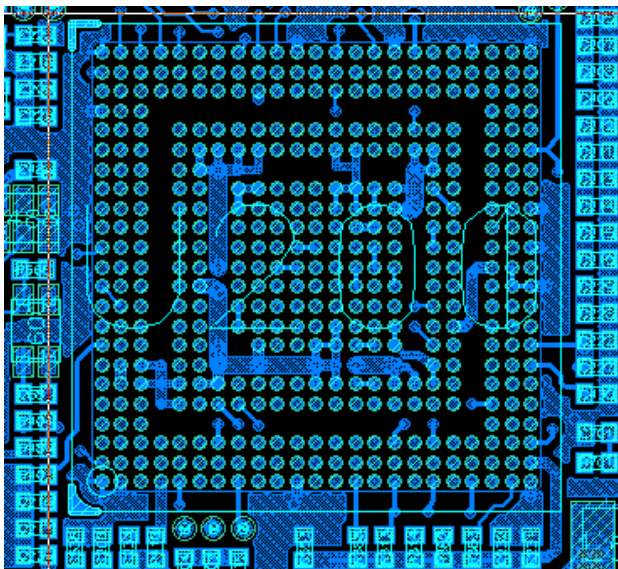


Figure5: MC7350 Baseband modem layout

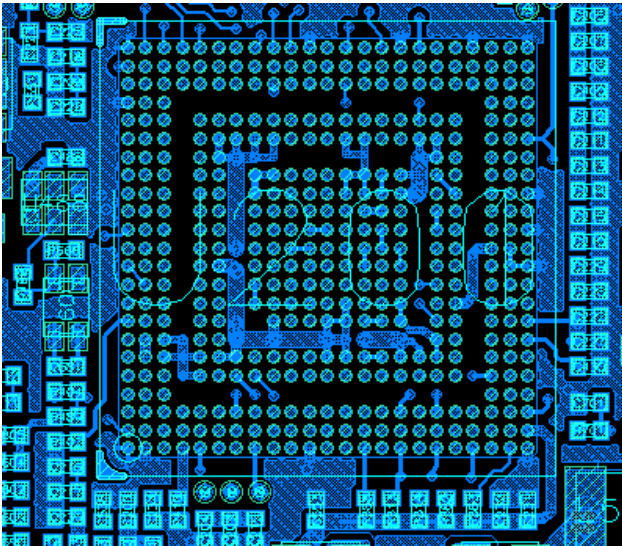


Figure6: MC7350-L Baseband modem layout

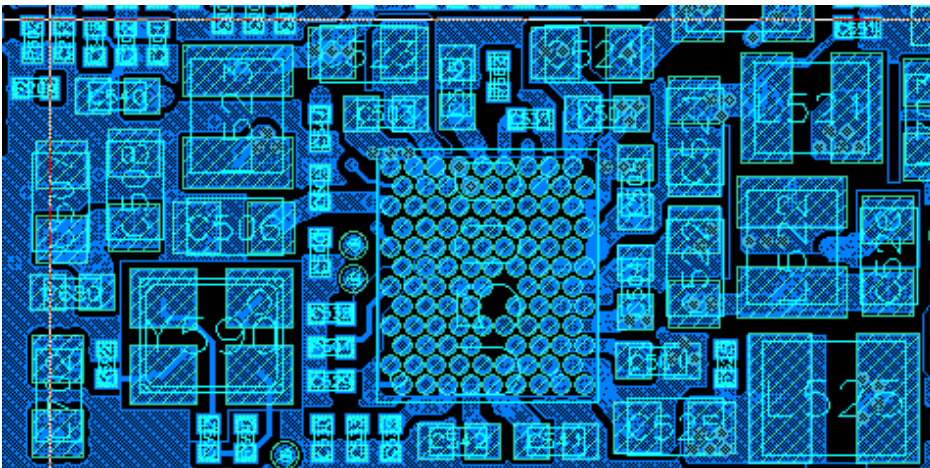


Figure7: MC7350 Power management layout

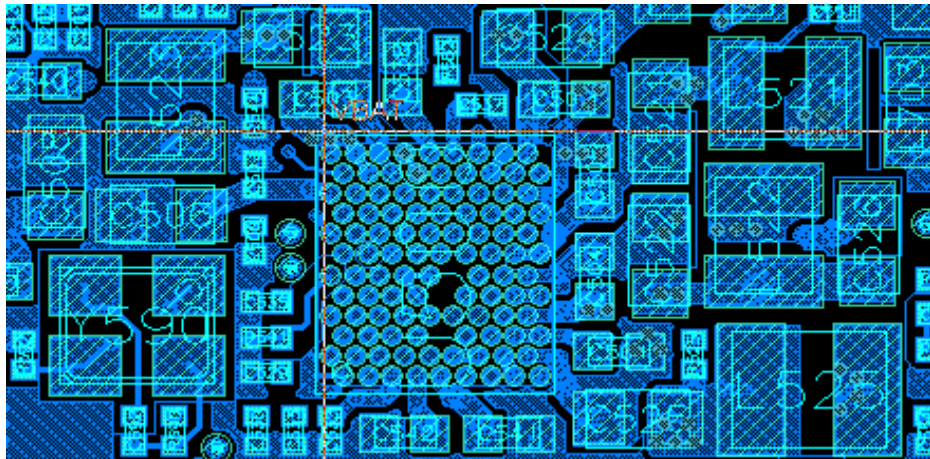


Figure8: MC7350-L power management layout