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A

Approved by
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HW change description for

Mobile Station Type:
AAD-3252041-BV W760i
HW (B)

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1 Introduction

1.1 Scope

The scope of this testing covers the hardware changes between the HW-A and HW-B.

1.2 Summary of Changes

1.2.1 Antenna

The antenna and matching ASM was changed for improved sensitivity.

1.2.2 Other Areas

The HW change will not affect any other areas than those described in this document.

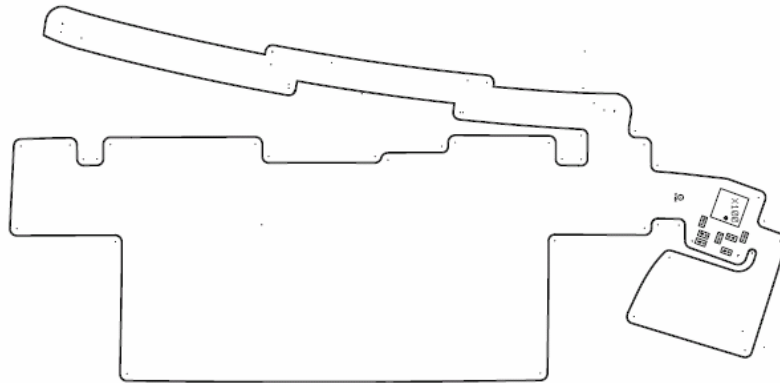


2 Description of the Changes

2.1 Antenna Element Change

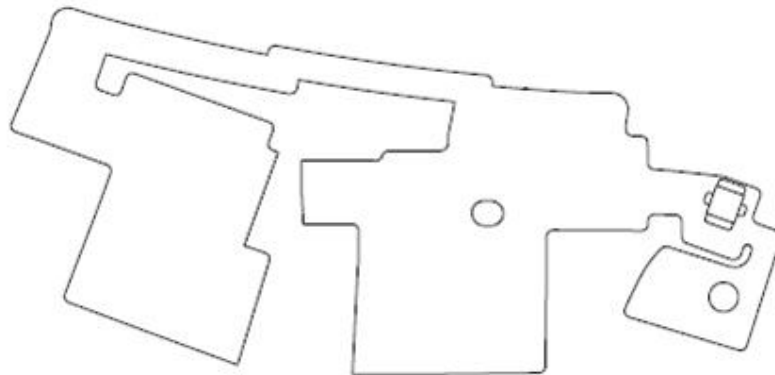
HW-A

Note the array of components surrounding the larger coax connector. These were intended to be used for a “pre-distortion” matching circuit between the antenna element and the coax cable.



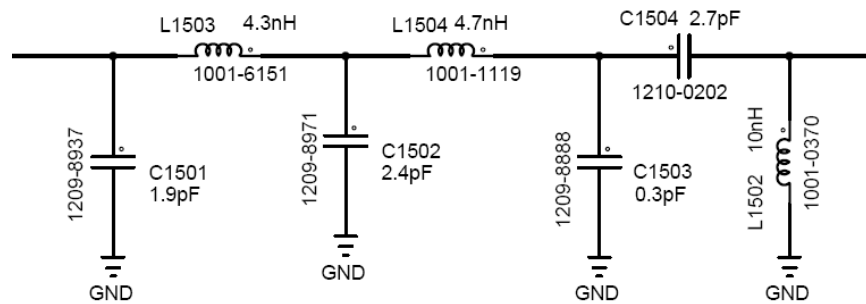
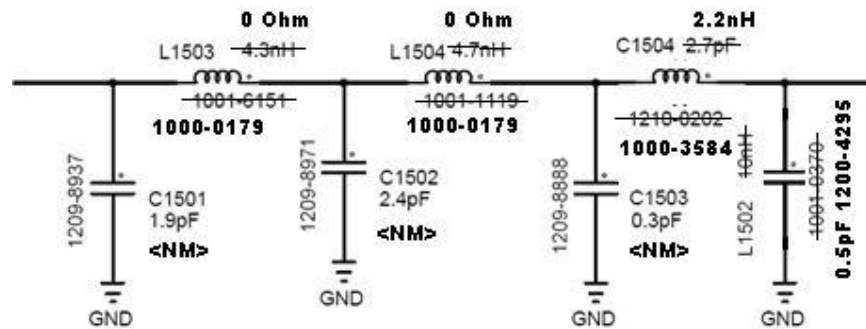
HW-B

For HW-B, the element shape has changed and the pre-distortion matching circuit has been eliminated.



2.2 Antenna Matching Circuit

HW-A used a 7 component LCCLCLC matching circuit. HW-B uses only a 2 component CL circuit. For HW-B, C1501 through C1503 are no-mounted (<NM>) and L1503 and L1504 are replaced with 0 ohm resistors. C1504 is replaced with a 2.2nH inductor and L1502 is replaced with a 0.5pF capacitor.

**HW-A****HW-B****3 Recommended Re-tests**

The hardware changes outlined above affects the radiated performance of the device. Conducted performance is not affected. The table below indicates Re-tests needed.

Retests					
Affected areas	FCC part22/24	SAR	GSM/UMTS	EMC	OTA
Test cases	Radiated power RSE	Full	RSE	EMI T.C. 8.2	Full
Responsible	Cetecom	SEMC	Cetecom	Cetecom	Cetecom