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Student's Name:	Khawla Alhajjar
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Degree	phD
Thesis Title:	Receiver design for massive MIMO
Department/School:	ECE
Senior Supervisor	Peter J Smith
Date:	8/4/15

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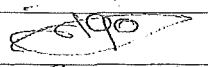
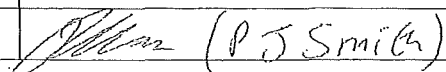
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### Signatures

Student	 Khawla ALHAJJAR	Date: 8/4/15
Senior Supervisor	 (P J Smith)	Date: 8/4/15

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