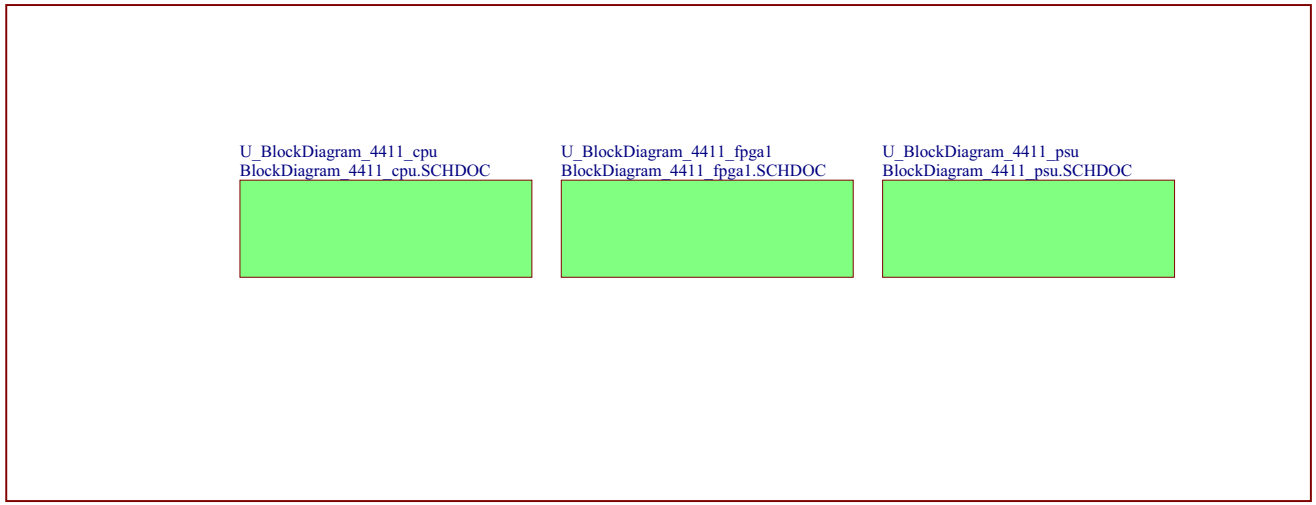
These components are located in their own RF shielded compartment

The MaxID RFID reader consist of the following PCBs:
RFD4411 - Digital section, Power supply, Digital decoder (FPGA), User Interface
RFM4410 - RF synthesizer, RF power amp. , Base Band signal conditioning

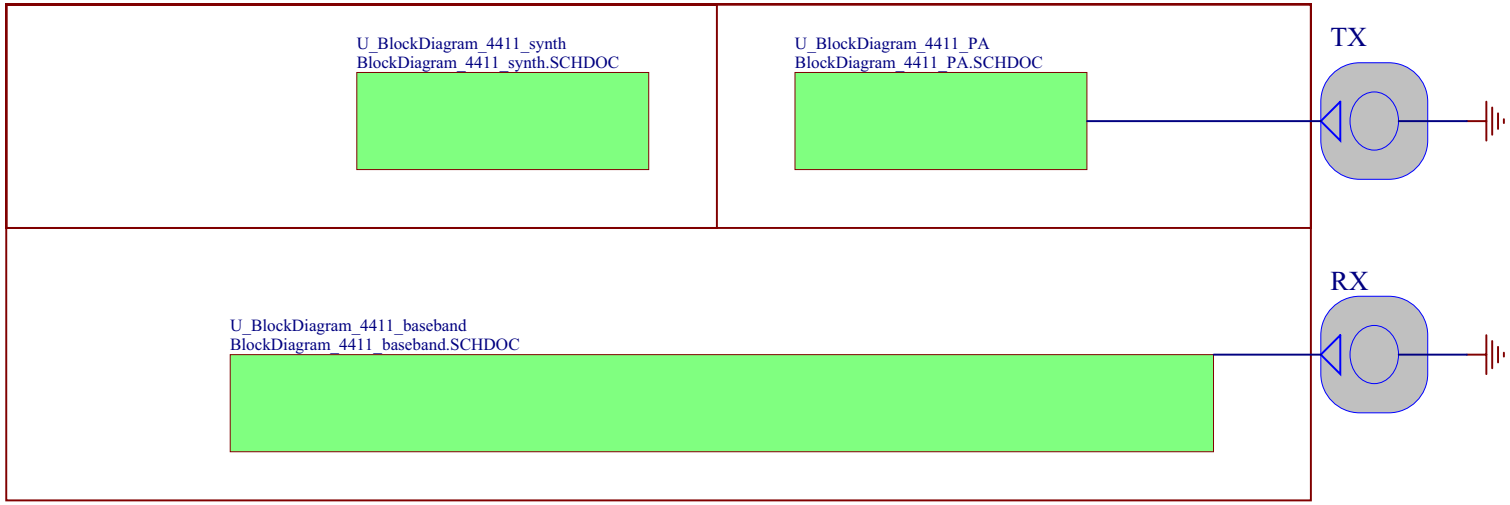
The Digital and RF PBCs are physically seperated from each other via an aluminium section

The RF section is also further seperated from each other via aluminium compartments.

Bottom compartment of enclosure houses RFD4411

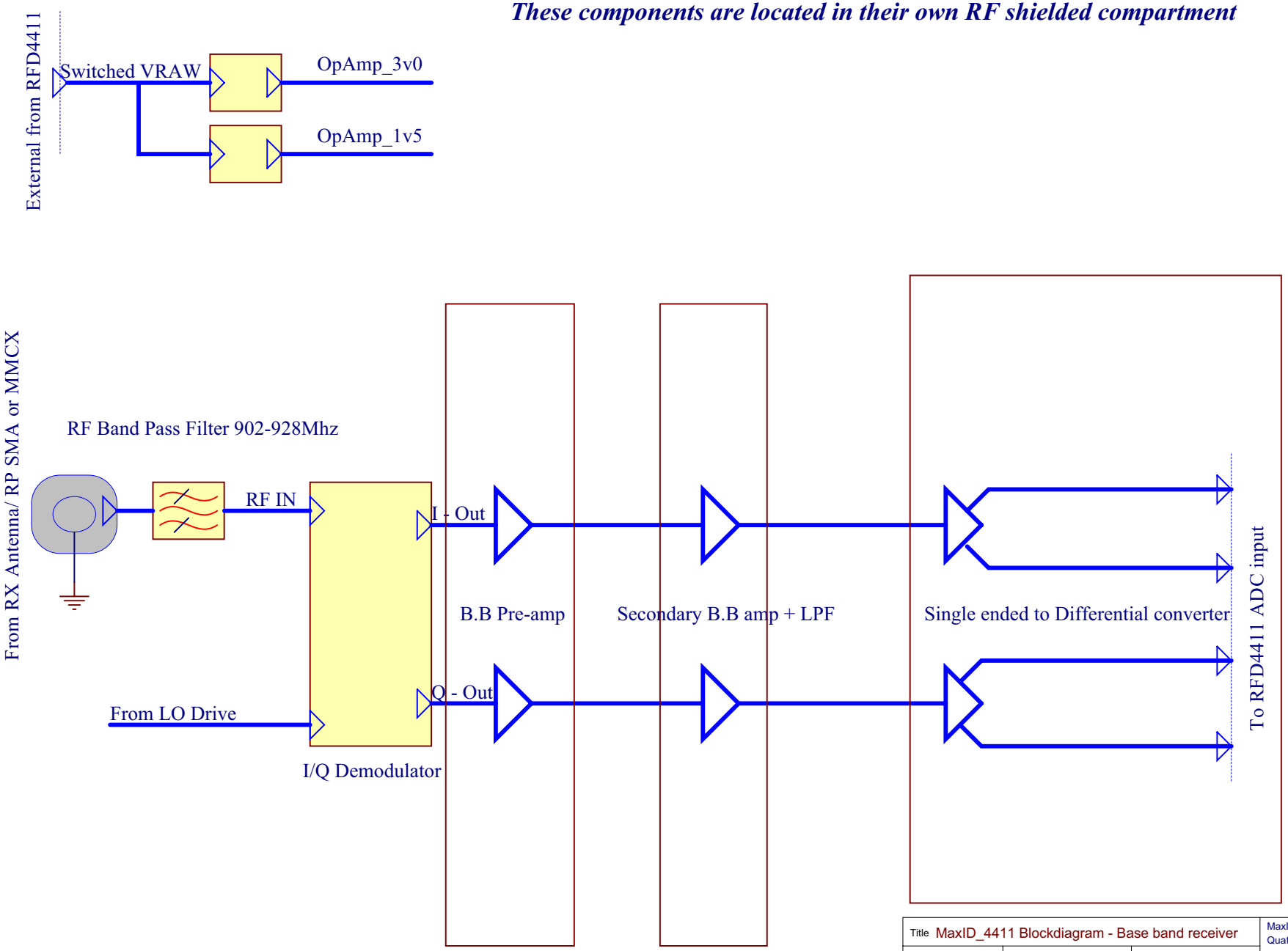


Top compartment of enclosure houses RFM4410



Title MaxID_4411 Blockdiagram			MaxID Limited Quatro House, Lyon Way Frimley Surrey GU16 7ER United Kingdom
Size: A3	Number: RM100_4411	Revision: 00	
Date: 7/20/2005	Time: 2:14:19 PM	Sheet 1 of 7	
File: C:\work\ProtelProjects\MAXID_DXP\maxid_4411\Documents\PROJ\BlockDiagram_4411.SCHDOC			

These components are located in their own RF shielded compartment



Title	MaxID_4411 Blockdiagram - Base band receiver		MaxID Limited Quatro House, Lyon Way Frimley Surrey GU16 7ER United Kingdom
Size: A3	Number: RM100_4411	Revision: 00	
Date: 7/20/2005	Time: 2:14:19 PM	Sheet 6 of 7	
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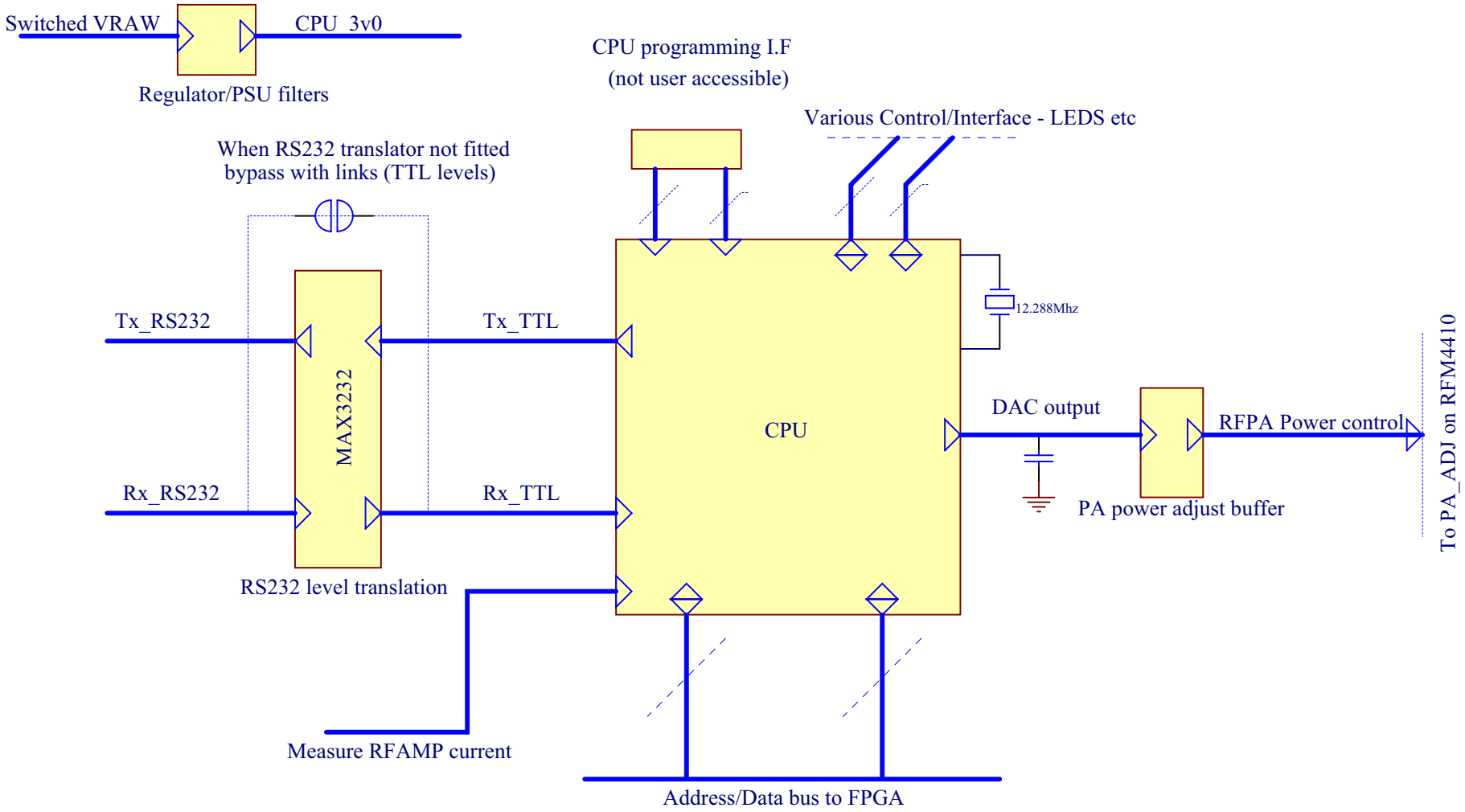

Title	MaxID_4411 Blockdiagram - CPU and Interface		MaxID Limited Quatro House, Lyon Way Frimley Surrey GU16 7ER United Kingdom
Size: A3	Number: RM100_4411	Revision: 00	
Date: 7/20/2005	Time: 2:14:20 PM	Sheet 2 of 7	
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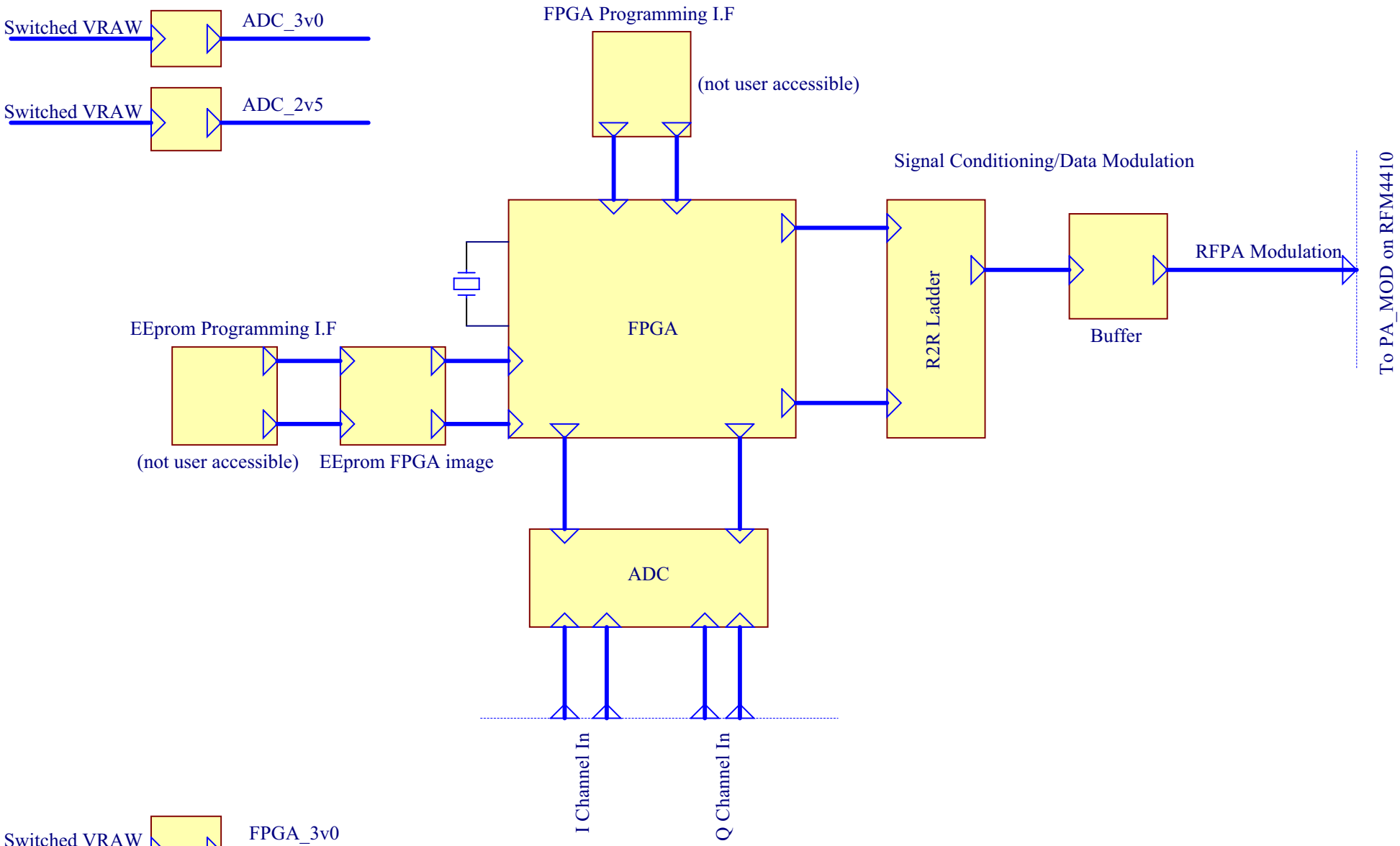
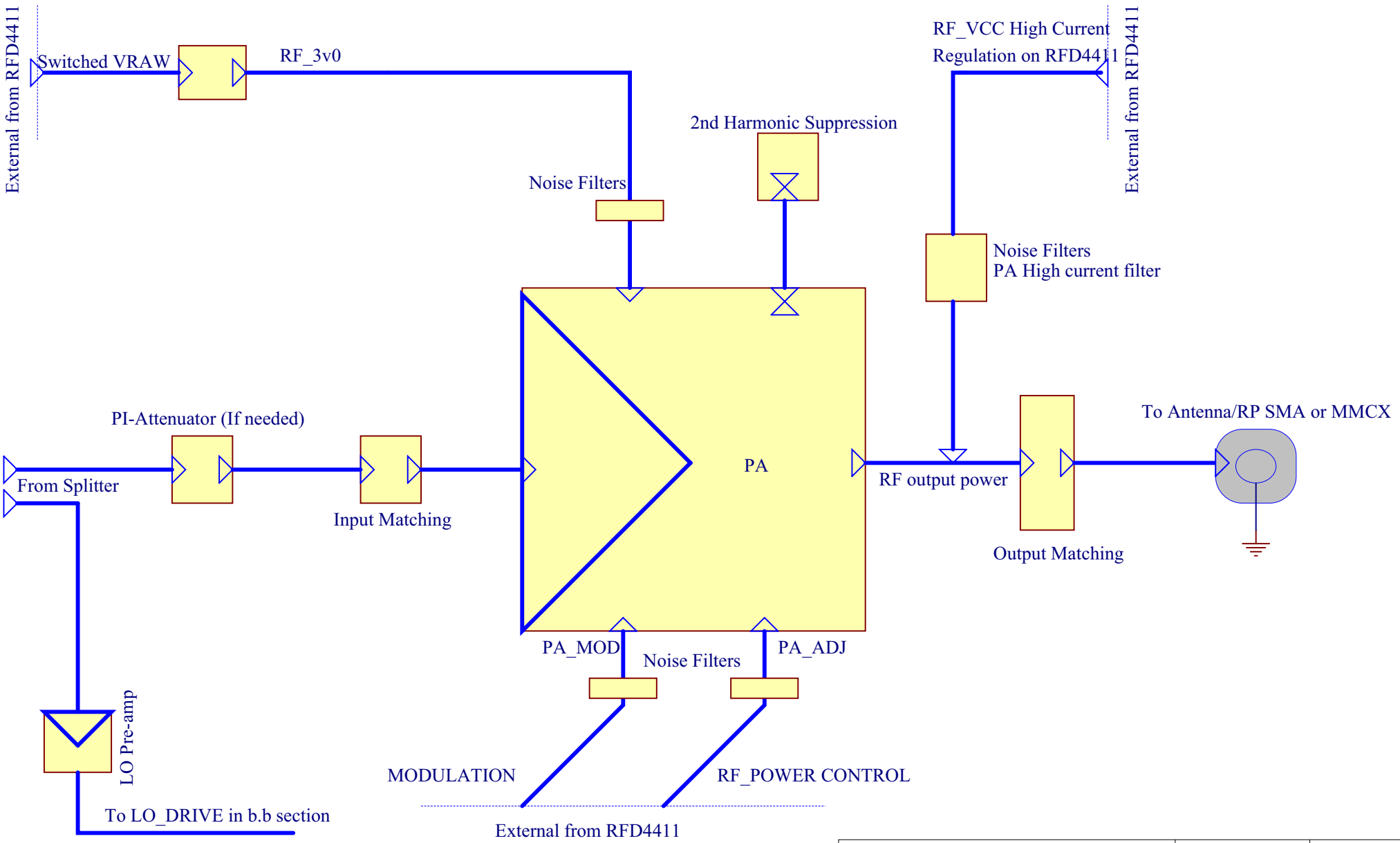


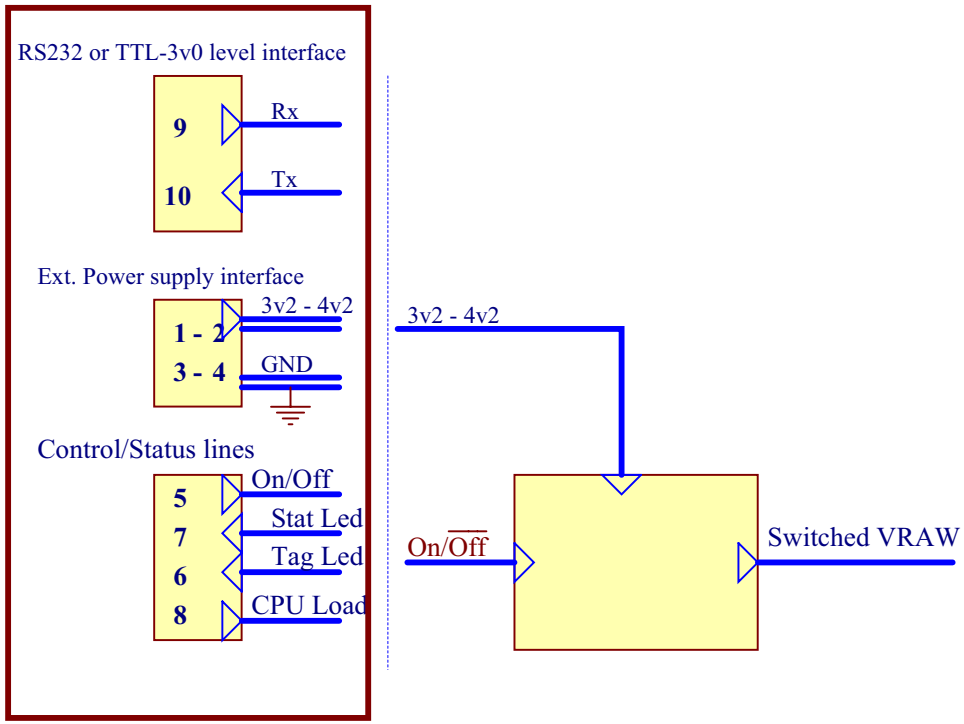
Title	MaxID_4411 Blocdiagram - FPGA/ADC interface		MaxID Limited Quatro House, Lyon Way Frimley Surrey GU16 7ER United Kingdom
Size: A3	Number: RM100_4411	Revision: 00	
Date: 7/20/2005	Time: 2:14:20 PM	Sheet 3 of 7	
File: C:\work\ProtelProjects\MAXID_DXP\maxid_4411\Documents\PROJ\BlockDiagram_4411_fpga1.SCHDOC			

These components are located in their own RF shielded compartment

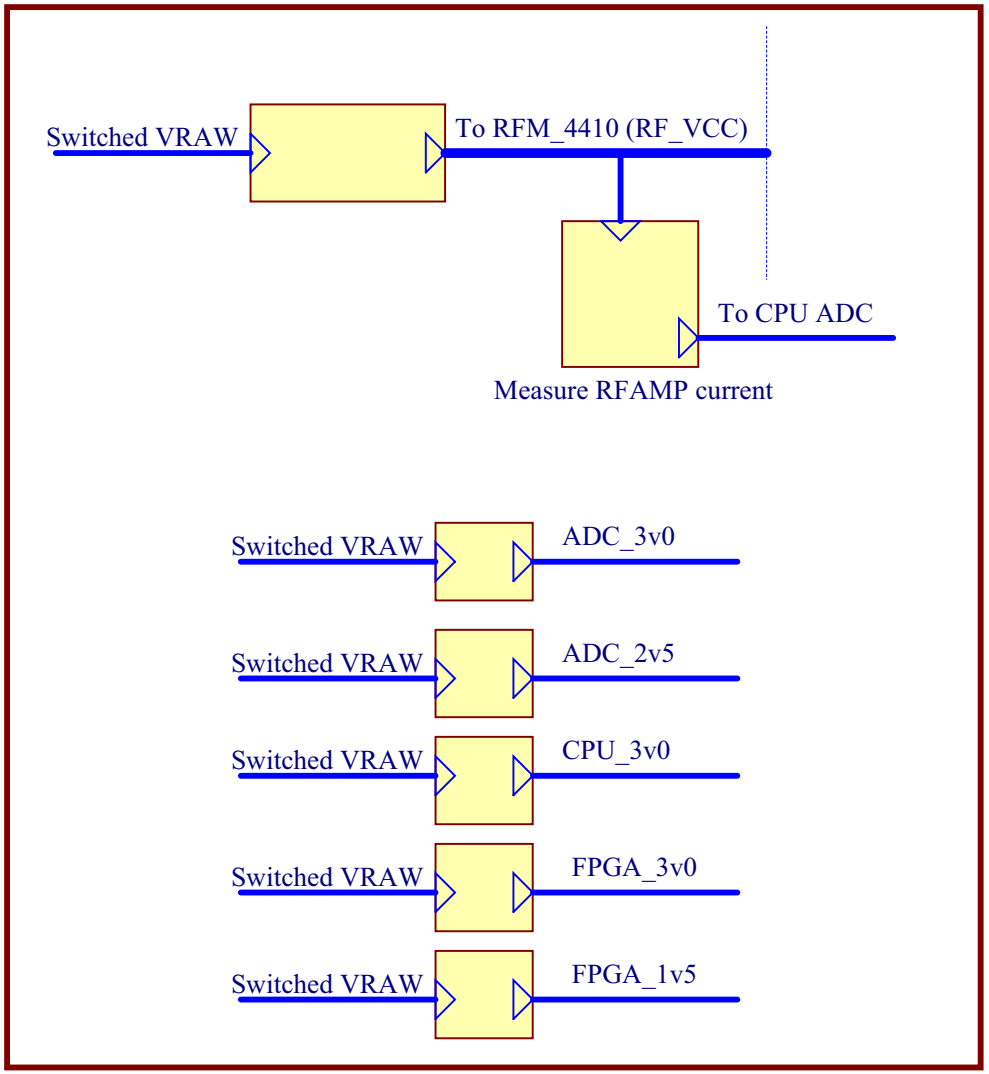


Title	MaxID_4411 Blockdiagram - RF Power Amp		MaxID Limited Quatro House, Lyon Way Frimley Surrey GU16 7ER United Kingdom
Size: A3	Number: RM100_4411	Revision: 00	
Date: 7/20/2005	Time: 2:14:20 PM	Sheet 5 of 7	
File:	C:\work\ProtelProjects\MAXID_DXP\maxid_4411\Documents\PROJ\BlockDiagram_4411_PA.SCHDOC		

External User interface



Regulators/PSU filters



Title	MaxID_4411 Blockdiagram - User interface/PSU		MaxID Limited Quatro House, Lyon Way Frimley Surrey GU16 7ER United Kingdom
Size: A3	Number: RM100_4411	Revision: 00	
Date: 7/20/2005	Time: 2:14:21 PM	Sheet 7 of 7	
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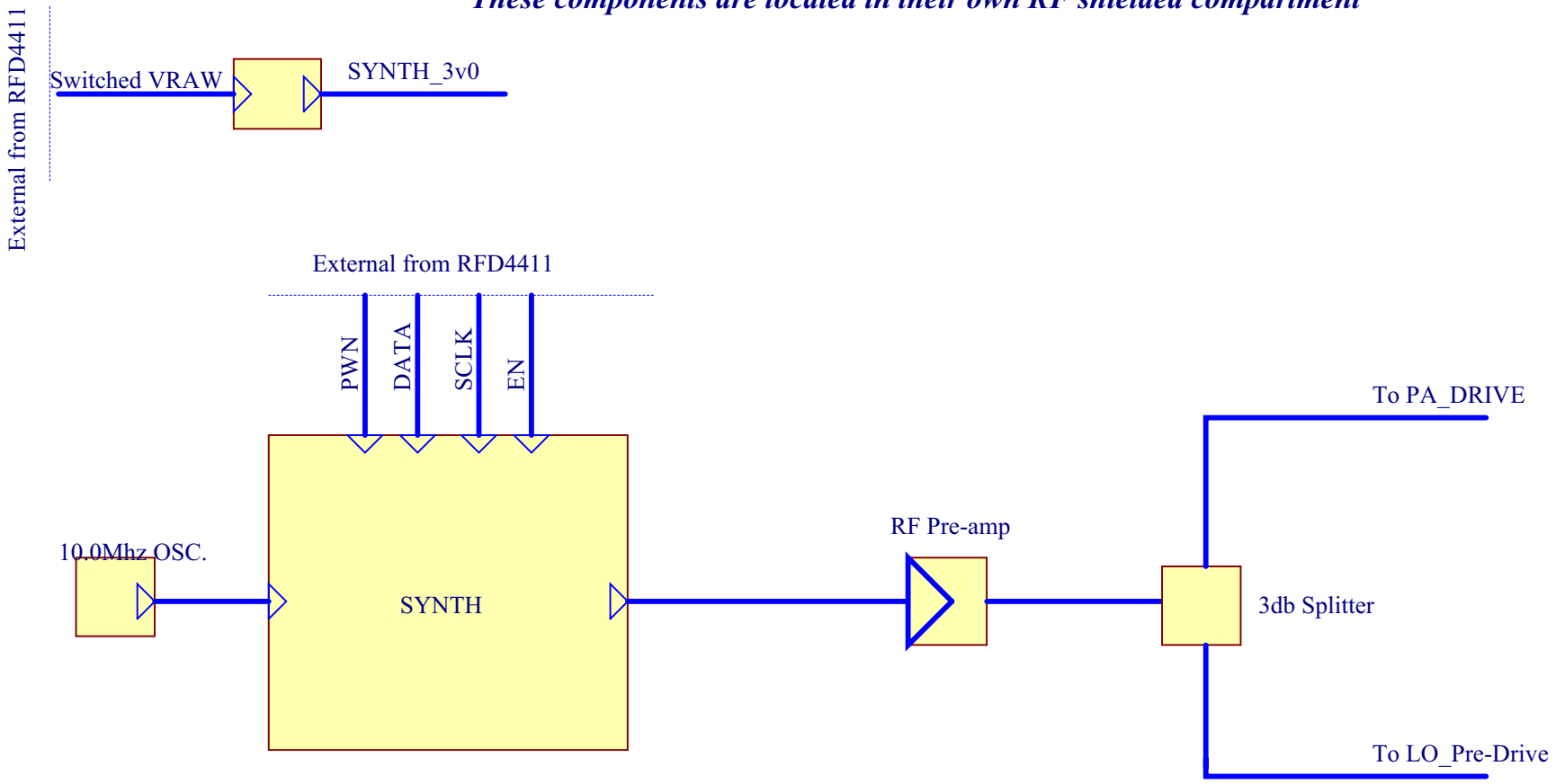
These components are located in their own RF shielded compartment



Title MaxID_4411 Blockdiagram - RF Synth			MaxID Limited Quatro House, Lyon Way Frimley Surrey GU16 7ER United Kingdom
Size: A3	Number: RM100_4411	Revision: 00	
Date: 7/20/2005	Time: 2:14:21 PM	Sheet 4 of 7	
File: C:\work\ProtelProjects\MAXID_DXP\maxid_4411\Documents\PROJ\BlockDiagram_4411_synth.SCHDOC			