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M0 statement EMC and Antenna

Revision Information

Created:	Revision	Name	Comments
10.02.06	0.1	Arne Bisgaard Kristensen	Initial revision in PVCS
Modified			
21.02.2006	1.0	Arne Bisgaard Kristensen	MEP7.01 inserted

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1 Introduction

This document is the basis for the M0 milestone declaration. Section 2 contains the M0 checklist according to the MEP 7.01 and section 3 gives a statement to the milestone.

M0 Product is defined

2 Results and open issues M0

1	Project leader HW (PL HW)/ part project leader (PPL) EMC/Antenna has been designated by the department head.	Arne Bisgaard Kristensen is EA PPL.
2	Detailed Primavera project plan from M0 to M1 showing dedicated resources by name is available	Done
3	Rough Primavera project plan from M1 to M3/S4 showing dedicated resources on department level is available	Done. Assigned resources in PMC are transferred with hours to Primavera.
4	Definition of power class (e.g. GPRS, UMTS) for selection of holster / belt clip for SAR reasons done.	EGSM 900 power class 4 (33dBm), GSM1800/1900 power class 1 (30dBm) GPRS class 10b (2Tx/4Rx)

5	Antenna Mockup 1 (rapid prototype upper and lower casing, Prototype simulating the PCB outline (main dimensions) including preliminary shielding boxes) for EA assessment delivered by MD (M0 – 9 weeks)	Pegasus sample used as basis, but additional FDM part should be delivered by MD as soon as A1 board outline and ID is available.
6	Antenna Mockup 2 (rapid prototype upper and lower casing, Prototype simulating the PCB outline (main dimensions) including preliminary shielding boxes and antenna related contact concepts (e.g. slider contacting)) for EA assessment delivered by MD (M0 – 5 weeks)	Second FDM part should be delivered by MD when B1 board outline and ID is fixed.
7	The antenna concept and volume is fixed (90 %). SAR aspects considered.	GSM antenna: Space is reserved for DP-PILA. (90 mm along edge of main PCB and 7.5 mm building height. Also PIFA will be evaluated for reference and possible implementation. Conductive SAR painting on inside of front cover with contact points to ground will be used for SAR reduction.
8	Assembly concept for mechanical design dependent components or modules coordinated and agreed with MD, dHW and RF (e.g. display, camera, acoustics, vibra, battery, card readers, IrDa, LED flash, connectors, etc.)	Done.
9	Product requirements as specified in the M0 document achievable with available technologies / know-how by the specified S3 HW deadline	Yes
10	Product relevant pre-/component developments defined. Time schedules and deliveries aligned to product development schedule	Antenna schedule is aligned with mechanical deliverables.
11	Platform released for start of product integration available i.e. platform master schematics, porting guide etc.	Yes.
12	Product related specifications for EMC are defined with the affected specialist departments in respect of layout, screening, SW, construction concept, accessories	Yes and GQR draft version 4_19b is used.
13	EMC SW defined with SW, necessary test tools and testing	No special SW

concept agreed with SW; availability of tools committed by SW

- 14 Product related deviations from the platform defined and agreed with involved parties i.e. SW, MD etc..
- 15 Product related Technical Terms of Delivery (TTD) are available (This checkpoint shall apply only for products which are not derived from platforms developed according to the new Platform Process V 2.0 and the corresponding platform checklist MRPlatD)

required. Feature set low.

No deviation from platform.

Draft GSM antenna TDD taken from C65.

3 Conclusion

EA recommend declaring M0 based on above open items.