

Jerry

M1 statement EMC and Antenna

Revision Information

Created:	Revision	Name	Comments
15.03.06	0.1	Arne Bisgaard Kristensen	Initial revision in PVCS
Modified			
06.02.2006	1.0	Arne Bisgaard Kristensen	Prepared for Obsidian
15.03.2006	1.1	Arne Bisgaard Kristensen	Modified for Jerry

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1 Introduction

This document is the basis for the M1 milestone declaration. Section 2 contains the M1 checklist according to the MEP 7.01 and section 3 gives a statement to the milestone.

M1 Implementation Release

2 Results and open issues M1

- | | |
|---|--|
| 1 | Test plan for the system coordinated between the affected partners |
| 2 | EMC concept coordinated for the product/system |
| 3 | Antenna defined precisely, manufacturer defined |

MAP plan is available on N-drive (AAL server)

EMC concept implemented as defined in performance description.
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Antenna manufacturer is Perlos.

Antenna is defined as

		PILA antenna.
4	EMC SW defined with SW	No special EMC SW required. It is a basic phone with no features.
5	Technical Terms of Delivery (TTD) of customized components and modules created and reviewed. Exceptions latest signed by S3 HW defined	Draft version from C65 created. Antenna drawing will be added when completed (S3). Antenna test PCB drawing will be added later when available. Test limits are TBD until antenna statistic is available from supplier.
6	A1 tape out completed	A1 is taped out and available.
7	Test plan (Master Actions Plan) according to product functionality accessories available including AD EA work split	Jerry MAP plan available. AD work split agreed.
8	Product concept validation has taken place for all areas (electronics, mechanics, optics, acoustics etc.) incl. worst case considerations	Proven concepts are implemented.
9	Production test requirements and needs for reference samples defined and agreed with production (PT)	Default preliminary production test limits available. Antenna reference samples to be submitted to Katharina Hilker (production) based on B1 phones.
10	Hardware FMEAs done. Measures (e.g. RDP project) agreed with PQA	No EMC and Antenna hardware FMEA required.
11	Detailed Primavera project plan up to M3/S4 is available, showing dedicated resources by name and on department level for external consultants	Primavera plan completed.
12	Complete project plan reviewed and agreed	Project plan reviewed and agreed.
13	Status of product relevant pre-/component developments reviewed. Risk analysis done and measures agreed, if targets are not reached	No pre development or components relevant.

14	Accessories to be fully supported by product are defined and agreed with Accessory Devices.....	AD portfolio of February 23 2006 is valid.
15	Product technical specification reviewed	Product technical specification input given.
16	Time schedule for provision of devices for conformity assessment and certification agreed with System Test	Included in Primavera time schedule.
17	PSQA plan built up and provided to PQA	PSQA plan (MAP) is provided to PQA.

Ad 15)

Target at M1:

Antenna Performance:

Target antenna performance is to meet the Vodaphone antenna requirements V1_92. Limit antenna performance is to meet the FBT requirement.

The Vodaphone and FBT requirements are: (minimum per Channel)

	TX FBT	RX FBT	TX Vodaphone	RX Vodaphone
EGSM	28dBm	-101dBm	29dBm	-104,5dBm
PCN	25dBm	-101dBm	26dBm	-103dBm
PCS	25dBm	-101dBm	26dBm	-103dBm

SAR Performance:

The BenQ mobile internal requirements to SAR will be applied for Jerry:

Head SAR:

- Target 0.6W/kg @ 10g avg., limit 0.9W/kg @ 10g avg.

Body-worn SAR:

- <2W/kg @ 10g avg. @ 0mm @ 1TX

3 Conclusion

EA can declare M1 based on above results.