Prepared (also subject responsible if other)		No.		
EBOZHAO		CBC/XR-08:1602 Uen		
Approved	Checked	Date	Rev	Reference
CBC/XRV (Peng Yu)	EQINLIN	2008/11/19	A	

1 Test Equipment & Environment

1.1 Test Object Configuration

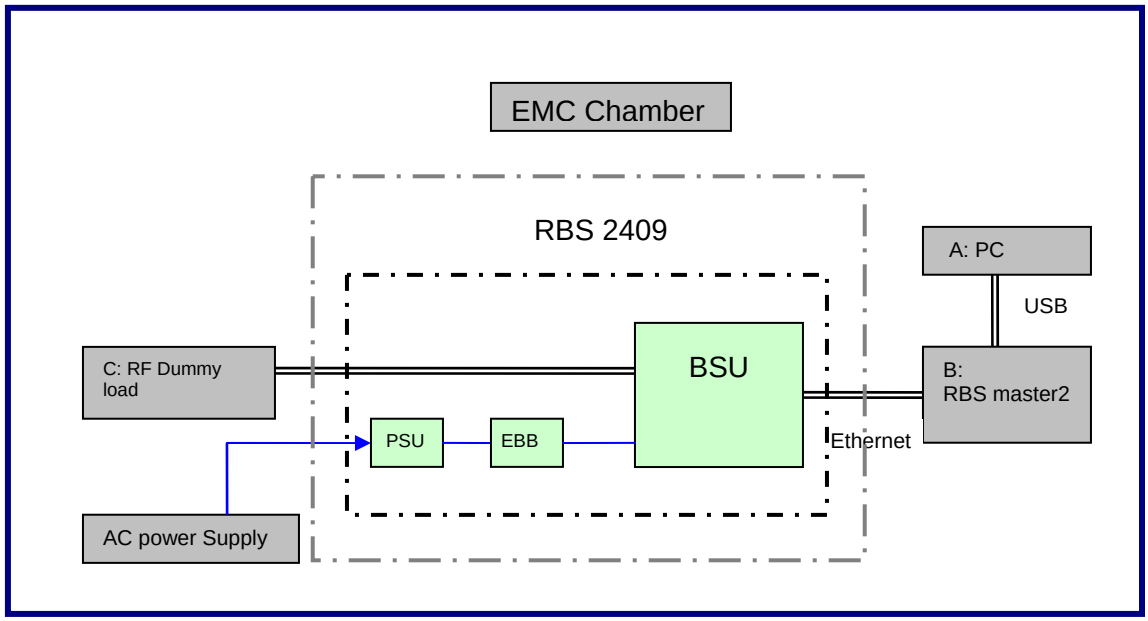

Figure 4.1-1 Test setup

Note: For Emission test, dummy load C was connected. For Immunity test, attenuator and mobile phone were connected, or integral antenna was used (only for one configuration of radiated immunity).

Table 4.1-1 Interfaces

Interface	Name	Mode	Note
Ethernet	Cable	120 ohm	Shielded
AC Power	Cable	120V, 60Hz	-

Table 4.1-2 Auxiliary Equipment List

Auxiliary Equipment	Name	Mode	Serial Num.	Note
A	Personal Computer	HP Compaq 2510p	-	With software RBS Master2 MMI: R10C01 CUX: R6C01
B	RBS Master 2	LPY 107 1007/1	ETE/L345	-
D	Dummy load	50 ohm	-	-

1.2 RBS configurations

Emission test

TRX was set on ARFCN 512, 661and 810, the maximum output power is 23 dBm.

The RBS 2409 was configured to use external antenna with Dummy load and internal antenna. The backup battery EBB-11 was connected.

HW configuration:

Test cases	Configuration	Mode	Anttena	Modulation	ARFCN	Comments
Radio Emission	Configuration 1	Mode 1	External	GMSK	512	With load
			External	8PSK	512	With load
		Mode 2	External	GMSK	661	With load
			External	8PSK	661	With load
		Mode 3	External	GMSK	810	With load
			External	8PSK	810	With load
	Configuration 2	Mode 4	Internal	GMSK	512	
			Internal	8PSK	512	
		Mode 5	Internal	GMSK	661	
			Internal	8PSK	661	
		Mode 6	Internal	GMSK	810	
			Internal	8PSK	810	

HW list:

RBS 2409 HW list				
Product Name	**Product No.**	**R-State**	**Serial No.**	**Date**
BSU	KRC 161 175/3	R1A	CB47635658	20081014
PSU-AC-41	BML 151 124/1	R1B	C121001016	20070903
EBB-11	BMK 905 51/1	R1C	T511436873	20080307
SW Version: 08A_R18E				

Prepared (also subject responsible if other)		No.		
EBOZHAO		CBC/XR-08:1602 Uen		
Approved	Checked	Date	Rev	Reference
CBC/XRV (Peng Yu)	EQINLIN	2008/11/19	A	

1.3 Test Photograph:

Figure 1: Radio spurious emission, external antenna 30MHz to 1000MHz

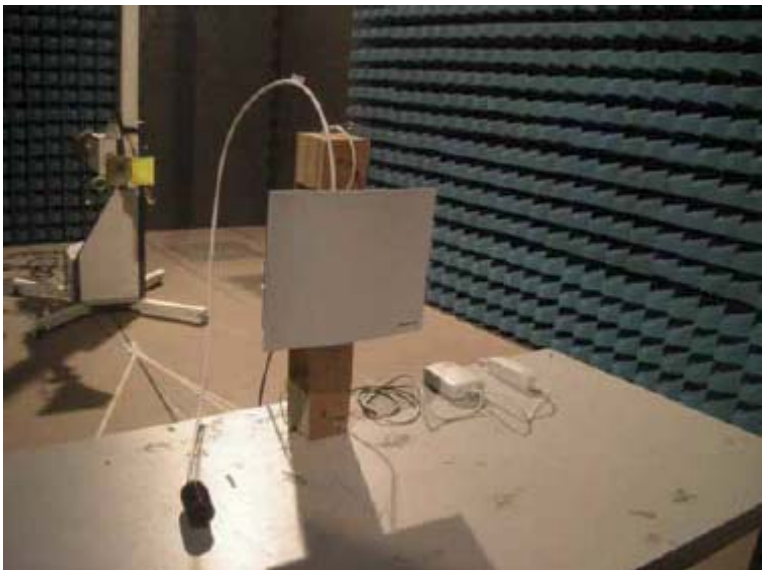

Figure 2: Radio spurious emission, external antenna 1000MHz to 18000MHz

Prepared (also subject responsible if other)		No.		
EBOZHAO		CBC/XR-08:1602 Uen		
Approved	Checked	Date	Rev	Reference
CBC/XRV (Peng Yu)	EQINLIN	2008/11/19	A	

Figure 3: Radio spurious emission, external antenna 18000MHz to 20000MHz

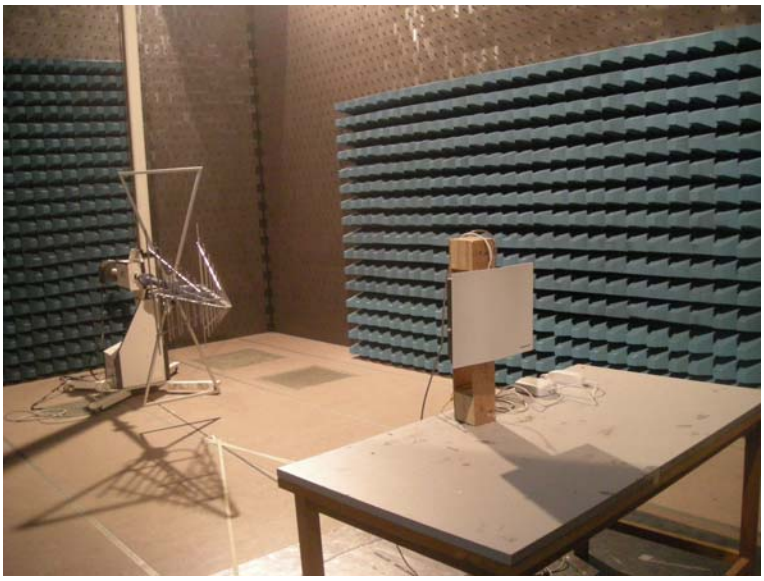

Figure 4: Radio spurious emission, internal antenna 30MHz to 1000MHz

Prepared (also subject responsible if other)		No.		
EBOZHAO		CBC/XR-08:1602 Uen		
Approved	Checked	Date	Rev	Reference
CBC/XRV (Peng Yu)	EQINLIN	2008/11/19	A	

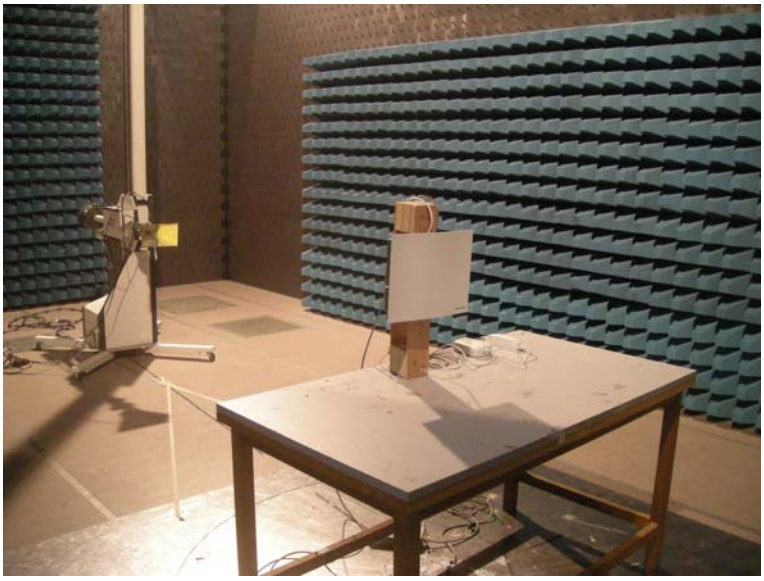

Figure 5: Radio spurious emission, internal antenna 1000MHz to 18000MHz

Figure 6: Radio spurious emission, internal antenna 18000MHz to 20000MHz