

## Go/No Go Test



*Xperia E1: D2005, D2004*

*Xperia E1 dual: D2105, D2104, D2114*

CONTENTS

1 Go/No Go Testing ..... 3

1.1 Antenna Coupler ..... 3

1.2 Direct Line ..... 4

1.3 Attenuation Factors ..... 6

1.3.1 Loss Values – Antenna Coupler D2005 and D2004 ..... 6

1.3.2 Loss Values – Antenna Coupler D2105, D2104 and D2114 ..... 7

1.3.3 Loss Values – Direct Line ..... 8

2 Revision History ..... 9

*This product is ONLY implemented in SERP II*

# 1 Go/No Go Testing

This Go/No Go testing has to be carried out in tow ways, with an:

- Antenna Coupler.
- Cable in shield box

**For more information on Antenna Coupler and Cable in shield box testing, refer to 1220-1336: Generic Repair Manual – electrical, section ‘Setup Go/NoGo Test’!**

**For part no's on the equipment below, refer to the ‘Tools Catalogue/Matrix’!**

## 1.1 Antenna Coupler

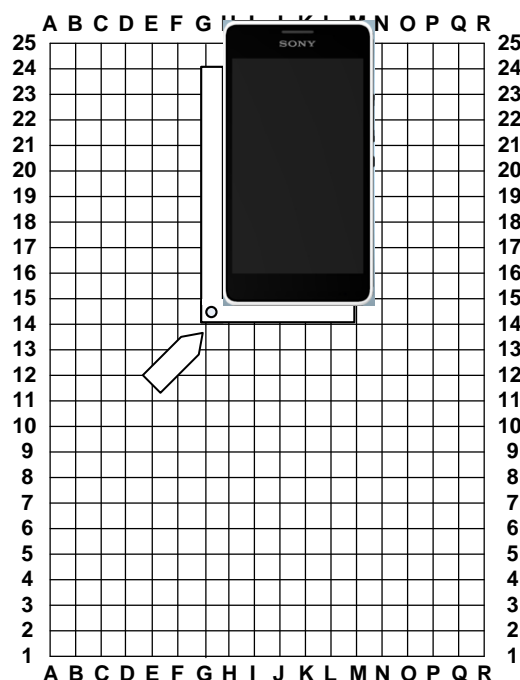
The following equipment has to be used:

- Rohde & Schwartz RF Shield Package
  - Rohde & Schwartz RF Shield Box
  - Rohde & Schwartz RF Coupler
  - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- USIM Card, instrument specific

**GSM-850/900/1800/1900**

**WCDMA-850/900/1900/2100**

Put the grid positioning holder with its reference point in position **G14** and place the phone as shown in the adjacent picture.



## Go/NoGo Testing

### 1.2 Direct Line

The following equipment has to be used:

- RF Test Cable Flexible 1M
- RF Probe
- USIM Card, instrument specific

Connect the RF Probe as shown in the adjacent picture.

**To get access to the RF connector on the PBA, refer to 1280-8560: Mechanical Working Instructions, Chapter 3.1 and 4.11!**



## Go/NoGo Testing

***Follow the directions stated in 'Go/NoGo Test Script Parameters' to be found in 1220-1336: Generic Repair Manual – electrical, together with the 'Attenuation Factors' below!***

This phone is available as 5 versions, D2004, D2005, D2104, D2105 and D2114, including the following bands:

**D2005 and D2105:**

GSM-850/900/1800/1900

WCDMA-900/2100

**D2004, D2104 and D2114:**

GSM-850/900/1800/1900

WCDMA-850/1900/2100

## Go/NoGo Testing

### 1.3 Attenuation Factors

*The attenuation values listed below in 1.3.1 are valid only when the equipment listed on the previous pages is being used!*

#### 1.3.1 Loss Values – Antenna Coupler D2005 and D2004

Band	Channel	Attenuation D2005		Attenuation D2004	
		Rx	Tx	Rx	Tx
GSM 850	Low	9.00	9.58	8.00	8.83
	Mid	8.00	9.28	8.00	8.11
	High	7.00	9.68	9.00	7.53
GSM 900	Low	8.00	7.76	11.00	9.30
	Mid	9.00	7.23	11.50	9.37
	High	8.00	7.86	11.00	11.81
GSM 1800	Low	13.00	13.02	12.00	13.11
	Mid	14.00	11.43	13.50	11.46
	High	14.00	11.40	14.00	11.53
GSM 1900	Low	11.00	14.50	11.00	14.16
	Mid	12.00	13.67	12.00	13.28
	High	12.00	12.68	12.00	12.39
WCDMA 850	Low	-	-	7.50	8.60
	Mid	-	-	8.00	7.96
	High	-	-	9.50	7.54
WCDMA 900	Low	7.00	7.63	-	-
	Mid	9.00	7.45	-	-
	High	8.00	7.11	-	-
WCDMA 1900	Low	-	-	11.00	13.06
	Mid	-	-	13.00	12.88
	High	-	-	12.00	12.01
WCDMA 2100	Low	13.50	11.63	14.50	11.12
	Mid	16.50	11.72	16.50	11.57
	High	18.00	11.87	18.00	11.82

## 1.3.2 Loss Values – Antenna Coupler D2105, D2104 and D2114

Band	Channel	Attenuation D2105		Attenuation D2104 and D2114	
		Rx	Tx	Rx	Tx
GSM 850	Low	9.00	9.58	8.00	8.83
	Mid	8.00	9.28	8.00	8.11
	High	7.00	9.68	9.00	7.53
GSM 900	Low	8.00	7.76	11.00	9.30
	Mid	9.00	7.23	11.50	9.37
	High	8.00	7.86	11.00	11.81
GSM 1800	Low	13.00	13.02	12.00	13.11
	Mid	14.00	11.43	13.50	11.46
	High	14.00	11.40	14.00	11.53
GSM 1900	Low	11.00	14.50	11.00	14.16
	Mid	12.00	13.67	12.00	13.28
	High	12.00	12.68	12.00	12.39
WCDMA 850	Low	-	-	7.50	8.60
	Mid	-	-	8.00	7.96
	High	-	-	9.50	7.54
WCDMA 900	Low	7.00	7.63	-	-
	Mid	9.00	7.45	-	-
	High	8.00	7.11	-	-
WCDMA 1900	Low	-	-	11.00	13.06
	Mid	-	-	13.00	12.88
	High	-	-	12.00	12.01
WCDMA 2100	Low	13.50	11.63	14.50	11.12
	Mid	16.50	11.72	16.50	11.57
	High	18.00	11.87	18.00	11.82

## Go/NoGo Testing: Attenuation Factors

### 1.3.3 Loss Values – Direct Line

Band	Channel	Attenuation	
		Rx	Tx
GSM 850	All	1.0	1.0
GSM 900	All	1.0	1.0
GSM 1800	All	1.3	1.3
GSM 1900	All	1.3	1.3
WCDMA 850	All	1.3	1.3
WCDMA 900	All	1.3	1.3
WCDMA 1900	All	1.3	1.3
WCDMA 2100	All	2.5	2.5



## 2 Revision History

Rev.	Date	Changes / Comments
1	2014-02-24	Initial release