

## Go/No Go Test



*Xperia E4 : E2104, E2105*

*Xperia E4 Dual : E2115, E2124*

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*E2104 is implemented in SERPII.*

*E2105 is implemented in SERPII.*

*E2115 is implemented in SERPII.*

*E2124 is implemented in SERPII.*

## 1 Go/No Go Testing

This Go/No Go testing has to be carried out in one way, with an:

- Antenna Coupler.

**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 E2104, E2105, E2115 and E2124

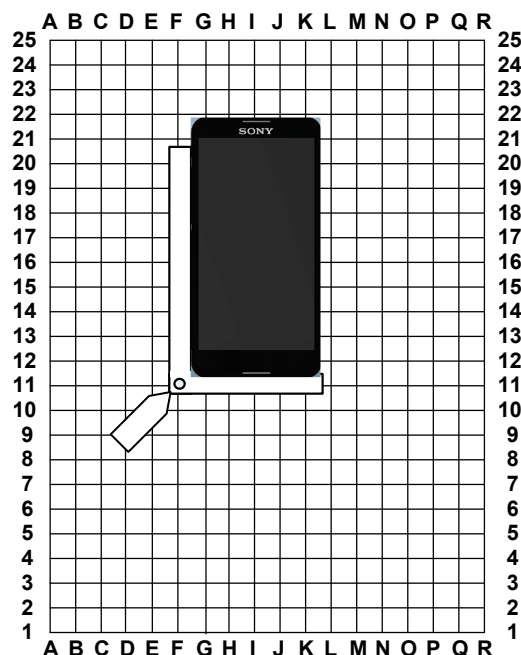
The following equipment has to be used:

- Rohde & Schwartz RF Shield Package
  - Rohde & Schwartz RF Shield Box CMU-Z11
  - Rohde & Schwartz RF Coupler
  - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro 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 **F11** and place the phone as shown in the adjacent picture.



## 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 in 4 variants E2104, E2105, E2115 and E2124 including the following bands:

**E2104:**

GSM- 850 / 900 /1800 /1900

WCDMA- 850 / 1900 / 2100

**E2105:**

GSM- 850 / 900 /1800 /1900

WCDMA- 900 / 2100

**E2115:**

GSM- 850 / 900 /1800 /1900

WCDMA- 900 / 2100

**E2124:**

GSM- 850 / 900 /1800 /1900

WCDMA- 850 / 1900 / 2100

## Go/NoGo Testing

### 1.2 Attenuation Factors

*The attenuation values listed below in 1.2.1 is valid only when the equipment listed on the previous pages is being used!*

#### 1.2.1 Loss Values – Antenna Coupler CMU-Z11, E2104 and E2105

Band	Channel	Attenuation E2104		Attenuation E2105	
		Rx	Tx	Rx	Tx
GSM 850	Low	9.00	13.33	9.00	13.19
	Mid	7.50	12.00	8.50	11.89
	High	7.00	10.63	7.00	10.68
GSM 900	Low	6.00	6.97	7.00	6.81
	Mid	7.00	4.96	7.00	4.93
	High	10.00	5.31	10.00	5.22
GSM 1800	Low	19.00	19.12	20.00	19.60
	Mid	20.00	18.07	21.00	18.23
	High	21.00	16.93	22.00	16.95
GSM 1900	Low	19.00	20.01	20.00	20.24
	Mid	19.00	19.35	20.00	19.73
	High	20.00	17.57	21.00	17.93
WCDMA 850	Low	7.00	12.34		
	Mid	5.00	9.65		
	High	5.00	9.66		
WCDMA 900	Low			8.00	7.25
	Mid			6.50	6.49
	High			9.00	6.74
WCDMA 1900	Low	19.00	20.84		
	Mid	16.00	20.69		
	High	18.00	17.57		
WCDMA 2100	Low	16.00	17.35	18.00	18.24
	Mid	16.00	16.70	17.50	17.03
	High	14.00	16.73	15.50	16.21

## 1.2.2 Loss Values – Antenna Coupler CMU-Z11, E2115 and E2124

Band	Channel	Attenuation E2115		Attenuation E2124	
		Rx	Tx	Rx	Tx
GSM 850	Low	9.00	13.19	9.00	13.33
	Mid	8.50	11.89	7.50	12.00
	High	7.00	10.68	7.00	10.63
GSM 900	Low	7.00	6.81	6.00	6.97
	Mid	7.00	4.93	7.00	4.96
	High	10.00	5.22	10.00	5.31
GSM 1800	Low	20.00	19.60	19.00	19.12
	Mid	21.00	18.23	20.00	18.07
	High	22.00	16.95	21.00	16.93
GSM 1900	Low	20.00	20.24	19.00	20.01
	Mid	20.00	19.73	19.00	19.35
	High	21.00	17.93	20.00	17.57
WCDMA 850	Low			7.00	12.34
	Mid			5.00	9.65
	High			5.00	9.66
WCDMA 900	Low	8.00	7.25		
	Mid	6.50	6.49		
	High	9.00	6.74		
WCDMA 1900	Low			19.00	20.84
	Mid			16.00	20.69
	High			18.00	17.57
WCDMA 2100	Low	18.00	18.24	16.00	17.35
	Mid	17.50	17.03	16.00	16.70
	High	15.50	16.21	14.00	16.73

## 2 Revision History

Rev.	Date	Changes / Comments
1	2015-02-10	Initial release
2	2015-02-14	WCDMA Band 4 removed from E2104 and E2124