



Sony Ericsson

Test & Calibration

- electrical -



Yendo, Yizo

W150, W150i, W150a

CONTENTS

1	Go/NoGo Testing	3
1.1	Antenna Coupler	3
1.2	Direct Line	4
1.3	Attenuation Factors	6
1.3.1	Loss Values – Antenna Coupler	6
1.3.2	Loss Values – Direct Line	7
2	Revision History	8

This product is ONLY implemented in SERP II



1 Go/NoGo Testing

This Go/NoGo testing has to be carried out in two ways, with an:

- Antenna Coupler
- Direct Line

For more information on Antenna Coupler and Direct Line, 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

Put the grid positioning holder with its reference point in position **F13** 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 and support sleeve
- USIM Card, instrument specific
- Dummy Battery with external power supply and cables (if not using a fully charged battery)

Connect the RF Probe as shown in the adjacent picture.

To get access to the RF connector on the PBA, refer to 1243-8965: W150 Working Instructions, section 3.1!



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 three versions, W150, W150i and W150a, including the following bands:

W150/W150i:

GSM-900/1800

W150a:

GSM-850/1900

**Go/NoGo Testing****1.3 Attenuation Factors**

The attenuation values listed below in 1.3.1 and 1.3.2 are valid only when the equipment listed on the previous pages is being used!

1.3.1 Loss Values – Antenna Coupler

Band	Channel	Attenuation W150/W150i		Attenuation W150a	
		Rx	Tx	Rx	Tx
GSM 850	Low	-	-	13.00	23.00
	Mid	-	-	13.00	21.50
	High	-	-	11.00	18.40
GSM 900	Low	7.00	10.20	-	-
	Mid	9.00	8.00	-	-
	High	12.00	9.30	-	-
GSM 1800	Low	9.00	11.90	-	-
	Mid	10.00	9.60	-	-
	High	9.00	9.60	-	-
GSM 1900	Low	-	-	11.00	9.50
	Mid	-	-	13.00	8.50
	High	-	-	13.00	10.60



Go/NoGo Testing: Attenuation Factors

1.3.2 Loss Values – Direct Line

Band	Channel	Attenuation	
		Rx	Tx
GSM 850	All	0.8	0.8
GSM 900	All	0.8	0.8
GSM 1800	All	1.3	1.3
GSM 1900	All	1.3	1.3



2 Revision History

Rev.	Date	Changes / Comments
1	2011-Mar-22	Initial release