



Sony Ericsson

Test & Calibration

- electrical -



Mix, WT13i

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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.
- 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’!

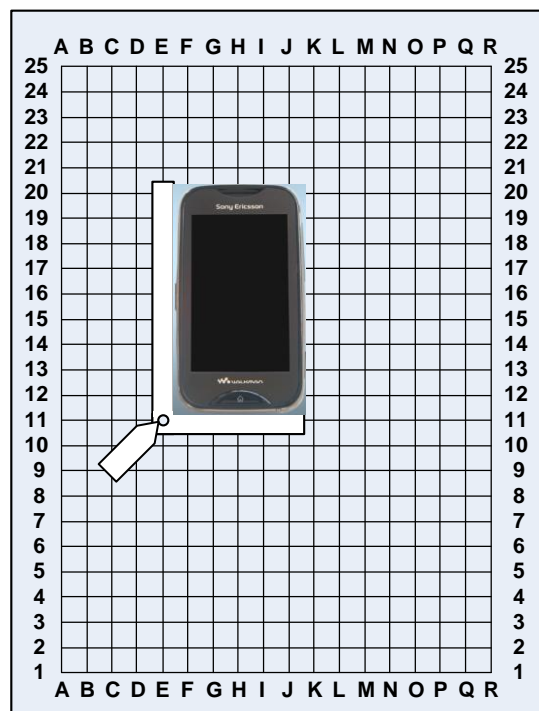
1.1 Antenna Coupler

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

Put the grid positioning holder with its reference point in position **E11** 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 1251-5564: WT13i Working Instructions, section 4.8



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 one version, WT13i, including the following bands:

WT13i:

GSM-850/900/1800/1900

If the test fails, troubleshoot according to the 1251-5578 *WT13i Troubleshooting Guide – electrical*.

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 WT15i	
		Rx	Tx
GSM 850	Low	5.00	13.00
	Mid	6.00	11.30
	High	6.00	9.20
GSM 900	Low	9.00	10.20
	Mid	13.00	7.10
	High	16.00	8.50
GSM 1800	Low	13.00	17.90
	Mid	15.00	14.60
	High	18.00	14.30
GSM 1900	Low	19.00	17.40
	Mid	21.00	18.14
	High	23.00	18.47



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-Aug-05	Initial release