

# Go/No Go Test

- electrical -



**ST27i / ST27a**

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*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.

**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

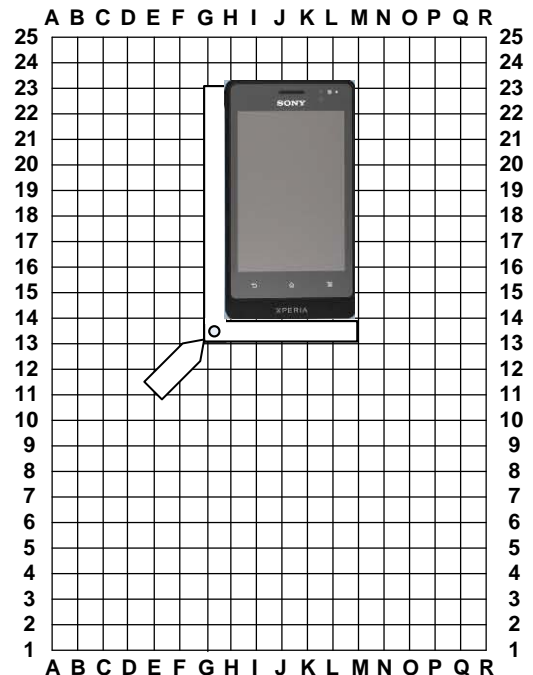
The following equipment has to be used:

- 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 **G13** 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 as two versions, ST27i and ST27a, including the following bands:

**ST27i:**

GSM-850/900/1800/1900

WCDMA-900/2100

**ST27a:**

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 are valid only when the equipment listed on the previous pages is being used!*

#### 1.2.1 Loss Values – Antenna Coupler

Band	Channel	Attenuation ST27i		Attenuation ST27a	
		Rx	Tx	Rx	Tx
GSM 850	Low	9.50	10.23	9.50	8.86
	Mid	5.50	8.10	5.00	6.89
	High	5.50	6.01	7.50	5.94
GSM 900	Low	12.00	5.64	12.50	5.54
	Mid	7.50	6.09	9.00	6.30
	High	8.50	6.19	8.00	7.00
GSM 1800	Low	7.50	13.23	10.00	13.22
	Mid	12.50	11.22	12.00	10.99
	High	10.50	11.26	11.00	10.53
GSM 1900	Low	5.50	9.99	10.00	9.50
	Mid	15.00	11.11	11.00	9.27
	High	13.00	10.71	11.00	8.95
WCDMA 850	Low	-	-	5.50	7.74
	Mid	-	-	5.00	6.24
	High	-	-	7.00	5.16
WCDMA 900	Low	7.00	4.44	-	-
	Mid	8.00	4.54	-	-
	High	6.50	5.16	-	-
WCDMA 1900	Low	-	-	9.00	10.54
	Mid	-	-	12.00	9.52
	High	-	-	13.00	8.92
WCDMA 2100	Low	14.00	10.26	8.00	8.51
	Mid	15.00	11.62	8.00	9.69
	High	16.00	12.97	8.50	10.20

## 2 Revision History

Rev.	Date	Changes / Comments
1	2012-June-28	Initial release
2	2012-July-08	A variant added.