

Go/No Go Test

- electrical -



LT29i

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 6

1.3.2 Loss Values – Direct Line 7

2 Revision History 8

This product is ONLY implemented in SERP II

1 Go/No Go Testing

This Go/No Go 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

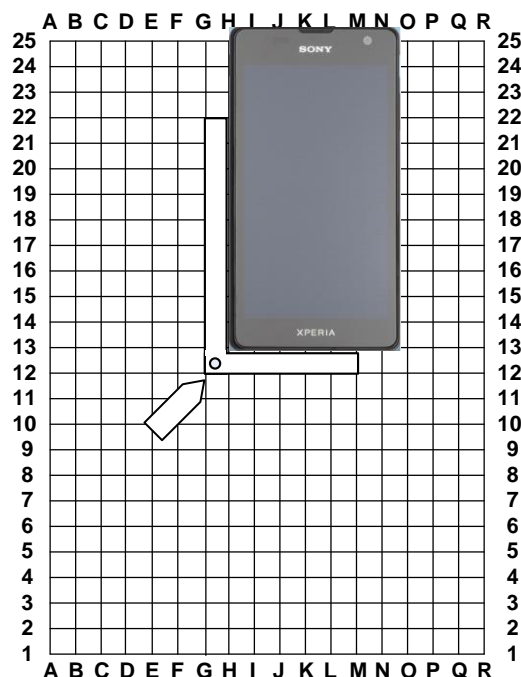
The following equipment has to be used:

- 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
- Micro USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

Put the grid positioning holder with its reference point in position **G12** 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
- Micro 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 1266-4901: LT29i 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 in one version, LT29i, including the following bands:

LT29i:

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

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 LT29i	
		Rx	Tx
GSM 850	Low	8	14.06
	Mid	5	9.91
	High	6	8.95
GSM 900	Low	4	6.55
	Mid	4	8.36
	High	4	8.45
GSM 1800	Low	11	11.55
	Mid	11	9.73
	High	11	9.41
GSM 1900	Low	14	13.78
	Mid	15	14.96
	High	14	15.88
WCDMA 850	Low	7	8.89
	Mid	8	8.14
	High	7	7.31
WCDMA 900	Low	6	6.19
	Mid	7	5.2
	High	7	4.88
WCDMA 1700	Low	12.5	11.77
	Mid	12	12.14
	High	12	9.88
WCDMA 1900	Low	14.5	13.4
	Mid	16	16.44
	High	16	19.33
WCDMA 2100	Low	16	16.41
	Mid	16	18.01
	High	16	18.11

Go/NoGo Testing: Attenuation Factors

1.3.2 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	2.3	2.3
GSM 1900	All	2.3	2.3
WCDMA 850	All	2.5	2.5
WCDMA 900	All	2.5	2.5
WCDMA 1700	All	1.3	1.3
WCDMA 1900	All	1.3	1.3
WCDMA 2100	All	1.3	1.3

2 Revision History

Rev.	Date	Changes / Comments
1	2012-Aug-28	Initial release