

Go/No Go Test



Xperia[™]E-Dual C1605, C1604

Xperia[™]E C1505, C1504

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 C1505 and C1504 6

1.3.2 Loss Values – Antenna Coupler C1605 and C1604 7

1.3.3 Loss Values – Direct Line 8

2 Revision History 9

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.
- 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

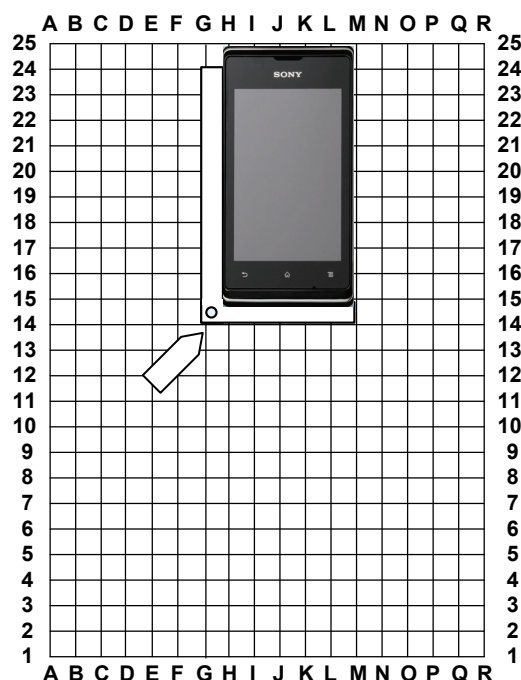
The following equipment has to be used:

- 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

WCDMA-850/900/1900/2100

Put the grid positioning holder with its reference point in position **G14** 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
- 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 1271-2006: Mechanical Working Instructions, Chapter 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 4 versions, C1504, C1505, C1605 and C1604, including the following bands:

C1505 and C1605:

GSM-850/900/1800/1900

WCDMA-900/2100

C1504 and C1604:

GSM-850/900/1800/1900

WCDMA-850/1900/2100

Go/NoGo Testing

1.3 Attenuation Factors

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

1.3.1 Loss Values – Antenna Coupler C1505 and C1504

Band	Channel	Attenuation C1505		Attenuation C1504	
		Rx	Tx	Rx	Tx
GSM 850	Low	6.50	8.53	9.00	12.17
	Mid	6.00	7.01	10.00	7.74
	High	7.00	6.48	9.00	10.47
GSM 900	Low	8.00	7.77	9.50	9.14
	Mid	7.50	6.41	8.50	8.02
	High	8.00	5.90	9.00	7.54
GSM 1800	Low	14.50	15.94	13.50	18.99
	Mid	15.50	13.80	13.00	14.39
	High	15.00	13.77	13.00	15.97
GSM 1900	Low	14.00	13.35	15.00	14.35
	Mid	14.00	11.13	18.00	12.89
	High	13.50	11.03	17.00	14.69
WCDMA 850	Low	-	-	6.00	6.43
	Mid	-	-	7.00	6.05
	High	-	-	8.50	7.14
WCDMA 900	Low	8.00	5.04	-	-
	Mid	8.00	5.12	-	-
	High	7.00	5.02	-	-
WCDMA 1900	Low	-	-	13.00	14.96
	Mid	-	-	15.50	14.57
	High	-	-	17.50	13.71
WCDMA 2100	Low	14.50	10.22	16.00	12.76
	Mid	15.00	11.07	16.50	15.24
	High	15.50	13.75	17.50	17.34

1.3.2 Loss Values – Antenna Coupler C1605 and C1604

Band	Channel	Attenuation C1605		Attenuation C1604	
		Rx	Tx	Rx	Tx
GSM 850	Low	6.50	10.83	9.00	9.09
	Mid	6.00	9.41	8.00	7.94
	High	7.00	7.88	9.00	7.37
GSM 900	Low	8.00	6.47	9.50	9.84
	Mid	7.50	7.31	8.50	9.52
	High	8.00	6.90	9.00	8.58
GSM 1800	Low	14.50	14.74	13.50	18.87
	Mid	15.50	12.40	13.00	14.09
	High	15.00	12.17	13.00	14.77
GSM 1900	Low	14.00	14.15	15.00	12.95
	Mid	14.00	13.33	18.00	12.19
	High	13.50	13.53	17.00	12.49
WCDMA 850	Low	-	-	6.00	8.33
	Mid	-	-	7.00	7.75
	High	-	-	8.50	7.14
WCDMA 900	Low	8.50	6.14	-	-
	Mid	8.50	6.32	-	-
	High	7.00	7.14	-	-
WCDMA 1900	Low	-	-	13.00	13.56
	Mid	-	-	15.50	12.67
	High	-	-	17.50	12.61
WCDMA 2100	Low	13.50	12.32	16.00	12.76
	Mid	15.00	13.47	16.50	15.24
	High	15.50	13.85	17.50	17.34

Go/NoGo Testing: Attenuation Factors

1.3.3 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 1900	All	1.3	1.3
WCDMA 2100	All	1.3	1.3

2 Revision History

Rev.	Date	Changes / Comments
1	2013-Jan-10	Initial release
2	2013-Mar-16	Adding C1504 and C1505
3	2013-Okt-31	Moved to SL2