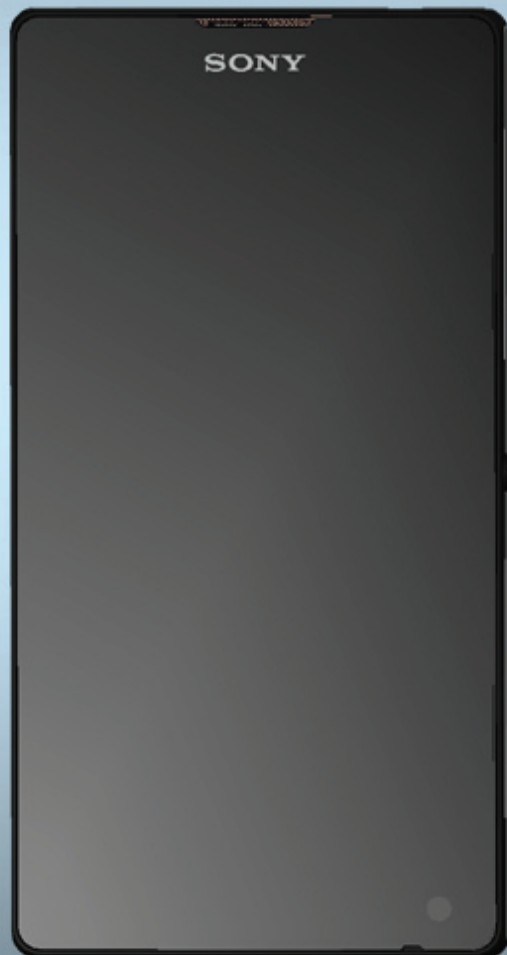


Go/No Go Test



Xperia™ ZR

C5502 /C5503/ M36h

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C5502 and M36h is ONLY implemented in SERPII.

C5503 is ONLY implemented in CMWrun

C5503 no LTE is implemented in SERPII.

1 Go/No Go Testing

This Go/No Go testing has to be carried out 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 C5502, C5503 and M36h

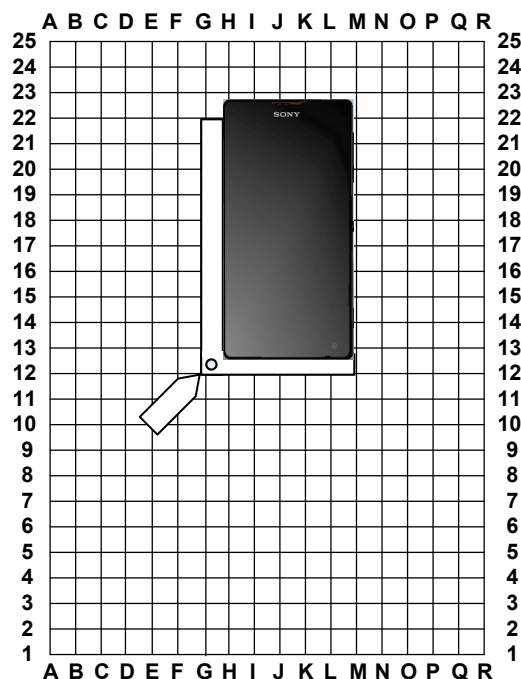
The following equipment has to be used:

- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box CMU-Z11
 - 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.



1.2 Antenna Coupler C5503 all bands

The following equipment has to be used:

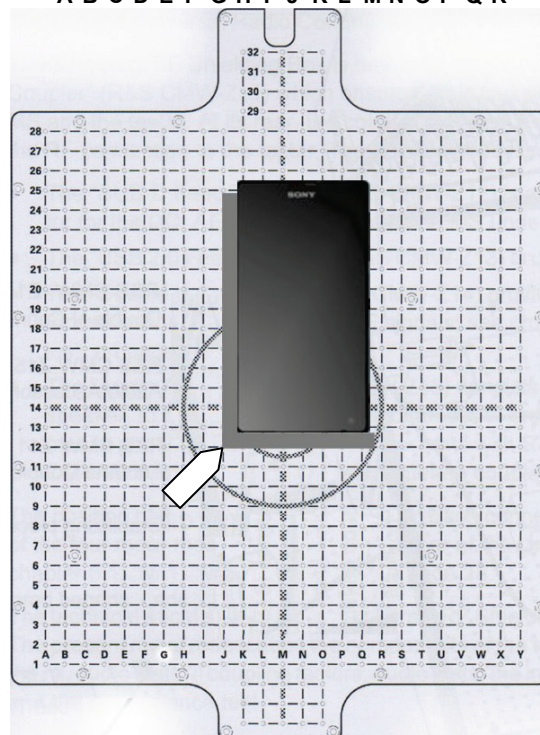
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box
 - Rohde & Schwartz RF Coupler CMW-Z11
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/2100

LTE-BAND 1/3/5/7/8/20

Put the grid positioning holder with its reference point in position **J12** 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 in three versions, C5502 C5503 and M36h, including the following bands:

C5502 and M36h:

GSM-850/900/1800/1900

WCDMA-850/900 /1700 /1900 /2100

C5503:

GSM-850/900/1800/1900

WCDMA-850/900/2100

LTE-Band 1/3/5/7/8/20 **Not to be tested in SERPII.**

Go/NoGo Testing

1.3 Attenuation Factors

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

1.3.1 Loss Values – Antenna Coupler CMU-Z11, C5502, C5503 and M36h

Band	Channel	Attenuation C5502 and M36h		Attenuation C5503	
		Rx	Tx	Rx	Tx
GSM 850	Low	7.5	10.17	7.5	10.17
	Mid	8	8.06	8	8.06
	High	9	6.58	9	6.58
GSM 900	Low	8	10.13	8	10.13
	Mid	8	9.03	8	9.03
	High	8	8.87	8	8.87
GSM 1800	Low	10	13.06	10	13.06
	Mid	10	12.83	10	12.83
	High	11	12.39	11	12.39
GSM 1900	Low	10	8.99	10	8.99
	Mid	12	9.2	12	9.2
	High	12	10.04	12	10.04
WCDMA 850	Low	9	10.73	9	10.73
	Mid	8	9.4	8	9.4
	High	9.5	9.95	9.5	9.95
WCDMA 900	Low	8	8.33	8	8.33
	Mid	7	8.08	7	8.08
	High	7	8.54	7	8.54
WCDMA 1700	Low	14	14.93		
	Mid	13	15.07		
	High	15	14.3		
WCDMA 1900	Low	10	11.51		
	Mid	11	10.54		
	High	11.5	9.74		
WCDMA 2100	Low	13	8.85	13	8.85
	Mid	14.5	8.98	14.5	8.98
	High	14	10.06	14	10.06

Go/NoGo Testing

1.3.2 Loss Values – Antenna Coupler CMW-Z11, C5503

Band	Channel	Attenuation C5503	
		Rx	Tx
GSM 850	Low	8.00	6.93
	Mid	7.00	6.15
	High	7.00	6.11
GSM 900	Low	8.50	7.36
	Mid	8.50	7.22
	High	8.50	8.20
GSM 1800	Low	12.50	19.45
	Mid	11.50	19.23
	High	13.00	14.31
GSM 1900	Low	17.50	11.15
	Mid	16.50	12.44
	High	15.00	15.94
WCDMA 850	Low	8.00	5.51
	Mid	8.50	5.09
	High	9.00	6.13
WCDMA 900	Low	11.00	5.27
	Mid	10.50	5.67
	High	10.00	6.21
WCDMA 2100	Low	23.50	16.14
	Mid	22.50	15.38
	High	21.50	14.08
LTE BAND 1	Low	19.50	18.16
	Mid	19.50	17.30
	High	19.50	16.38
LTE BAND 3	Low	16.50	21.61
	Mid	15.50	18.29
	High	13.00	16.57
LTE BAND 5	Low	17.00	7.44
	Mid	16.00	7.44

	High	17.00	8.73
LTE BAND 7	Low	16.00	13.35
	Mid	16.00	12.89
	High	17.50	12.12
LTE BAND 8	Low	19.00	7.83
	Mid	18.00	7.59
	High	18.00	8.15
LTE BAND 20	Low	16.50	7.92
	Mid	16.00	8.79
	High	16.00	9.57

2 Revision History

Rev.	Date	Changes / Comments
1	2013-Jun-02	Initial release
2	2013-Jun-04	Added C5503
3	2013-Jun-10	System error
4	2013-Dec-14	Added C5503 to SERPII. Moved to SL2