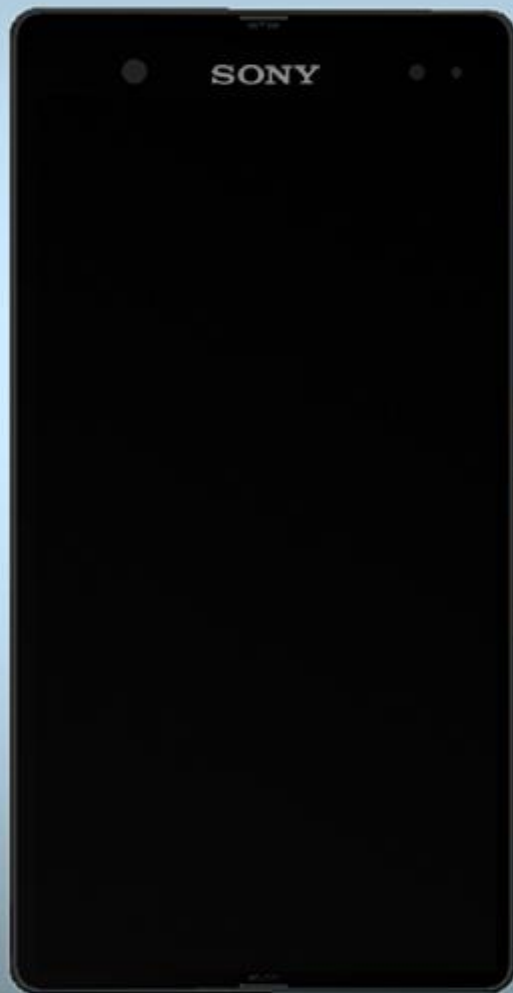


Go/No Go Test



Xperia™ Z1 Compact

D5503 / M51w / SO-02F

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D5503 no LTE is implemented in SERPII.

M51w is only implemented in SERPII.

SO-02F no LTE is implemented in SERPII.

D5503 all bands is implemented in CMWrun

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 D5503, M51w and SO-02F no LTE

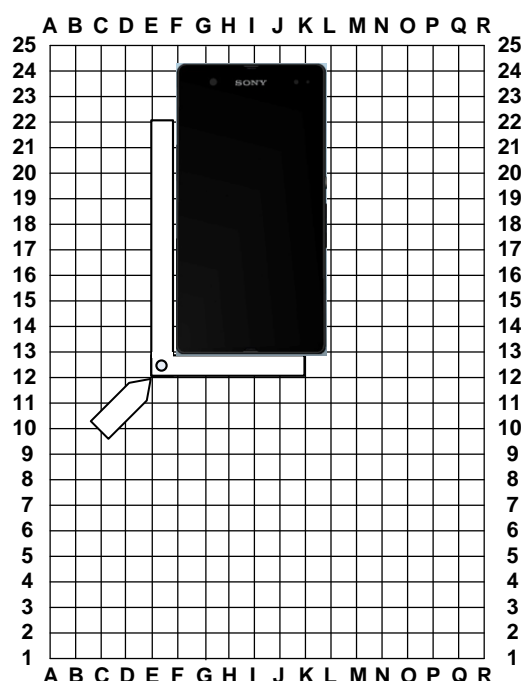
The following equipment has to be used:

- 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 **E12** and place the phone as shown in the adjacent picture.



1.2 Antenna Coupler D5503 all bands

The following equipment has to be used:

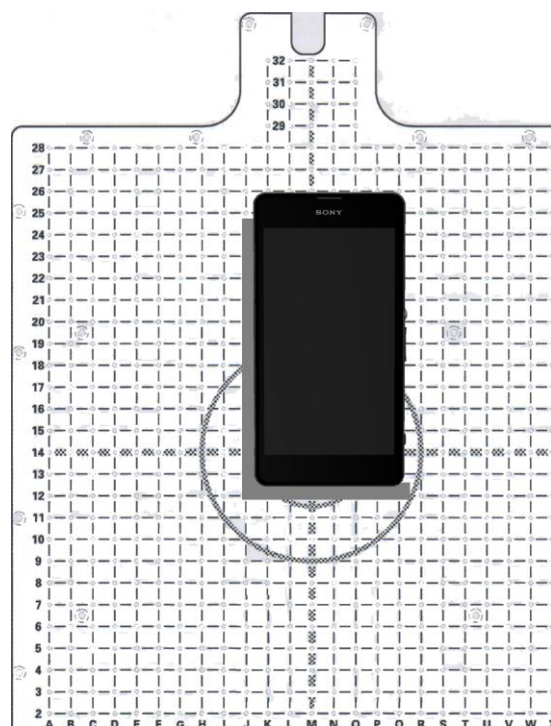
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box
 - Rohde & Schwartz RF Coupler CMW-Z11
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

LTE-BAND 1/2/3/4/5/7/8/20

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 3 versions, D5503, M51w and SO-02F, including the following bands:

D5503:

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

LTE-Band:1,2,3,4,5,7,8 and 20

Not to be tested in SERPII.

M51w:

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

SO-02F:

GSM-850/900/1800/1900

WCDMA-850/2100

WCDMA-800/800 Docomo.

LTE-Band: 1,3,19 and 21

Not to be tested in SERPII.

Not to be tested in SERPII.

Go/NoGo Testing

1.3 Attenuation Factors

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

1.3.1 Loss Values – Antenna Coupler CMU-Z11

Band	Channel	Attenuation D5503 and M51w		Attenuation SO-02F	
		Rx	Tx	Rx	Tx
GSM 850	Low	9.00	12.96	9.00	13.97
	Mid	9.50	10.42	9.50	13.45
	High	9.00	8.36	9.00	11.40
GSM 900	Low	7.00	8.61	7.00	8.61
	Mid	9.00	6.93	9.00	9.99
	High	10.00	6.17	10.00	6.17
GSM 1800	Low	14.00	15.04	14.00	15.04
	Mid	13.00	13.96	10.00	13.96
	High	11.00	15.03	11.00	15.03
GSM 1900	Low	12.00	13.11	12.00	13.11
	Mid	13.00	11.43	13.00	11.43
	High	14.00	8.46	14.00	7.46
WCDMA 850	Low	10.50	12.01	10.50	11.65
	Mid	10.00	10.86	10.00	10.86
	High	8.00	9.95	8.00	9.95
WCDMA 900	Low	8.00	7.23		
	Mid	9.00	6.23		
	High	10.00	6.01		
WCDMA 1700	Low	11.50	14.49		
	Mid	12.00	14.19		
	High	14.00	14.15		
WCDMA 1900	Low	11.00	12.47		
	Mid	13.50	9.52		
	High	14.00	8.88		
WCDMA 2100	Low	11.50	9.56	11.50	6.72
	Mid	13.00	11.14	13.00	8.25
	High	14.00	12.83	14.00	10.67

Go/NoGo Testing

1.3.2 Loss Values – Antenna Coupler CMW-Z11

Band	Channel	Attenuation D5503	
		Rx	Tx
GSM 850	Low	11.00	9.50
	Mid	10.00	10.00
	High	9.00	10.80
GSM 900	Low	12.00	9.50
	Mid	14.00	8.30
	High	15.00	10.10
GSM 1800	Low	17.00	13.80
	Mid	17.00	14.30
	High	15.00	16.00
GSM 1900	Low	13.00	15.40
	Mid	15.00	13.30
	High	15.00	12.60
WCDMA 850	Low	14.00	8.30
	Mid	12.00	9.00
	High	11.00	10.20
WCDMA 900	Low	14.00	8.10
	Mid	16.00	7.30
	High	17.00	8.40
WCDMA 1700	Low	25.00	11.70
	Mid	22.00	12.20
	High	20.00	13.10
WCDMA 1900	Low	15.00	14.70
	Mid	16.00	13.40
	High	17.00	12.00
WCDMA 2100	Low	25.00	11.30
	Mid	21.00	11.90
	High	21.00	13.10
LTE BAND1	Low	23.00	13.30
	Mid	20.00	13.60
	High	18.00	15.10
LTE BAND2	Low	13.00	16.10
	Mid	14.00	15.00
	High	16.00	13.30

Go/NoGo Testing

Band	Channel	Attenuation D5503	
		Rx	Tx
LTE BAND3	Low	16.00	13.50
	Mid	16.00	14.70
	High	14.00	15.20
LTE BAND4	Low	23.00	13.50
	Mid	20.00	14.10
	High	19.00	15.20
LTE BAND5	Low	13.00	12.30
	Mid	12.00	13.00
	High	11.00	14.00
LTE BAND7	Low	22.00	27.60
	Mid	24.00	27.00
	High	26.00	27.50
LTE BAND8	Low	14.00	11.50
	Mid	16.00	10.70
	High	15.00	11.50
LTE BAND20	Low	13.00	12.40
	Mid	12.00	13.60
	High	11.00	14.60

2 Revision History

Rev.	Date	Changes / Comments
1	2014-Jan-27	Initial release
2	2014-Jan-31	RTL Version
3	2014-Mar-07	M51w added to SERPII