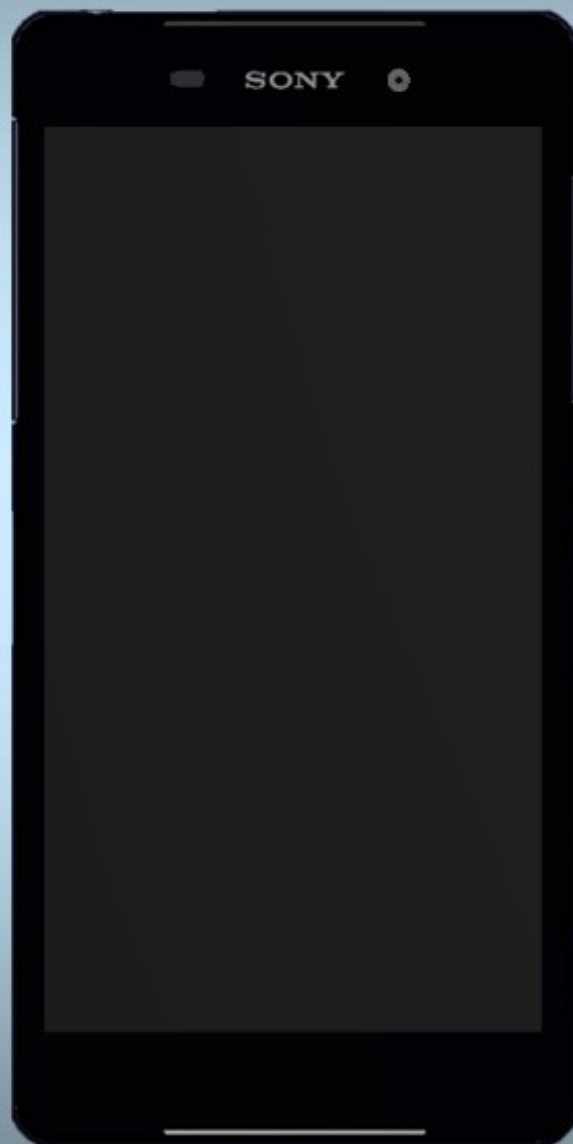


Go/No Go Test



Xperia™ Z2
D6502, D6503, D6543, L50w

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D6502 and L50w no LTE is ONLY implemented in SERPII.

D6503 no LTE is implemented in SERPII.

D6503 D6543 all bands is ONLY implemented in CMWrun

D6543 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 D6502, D6503, D6543 and L50w no LTE

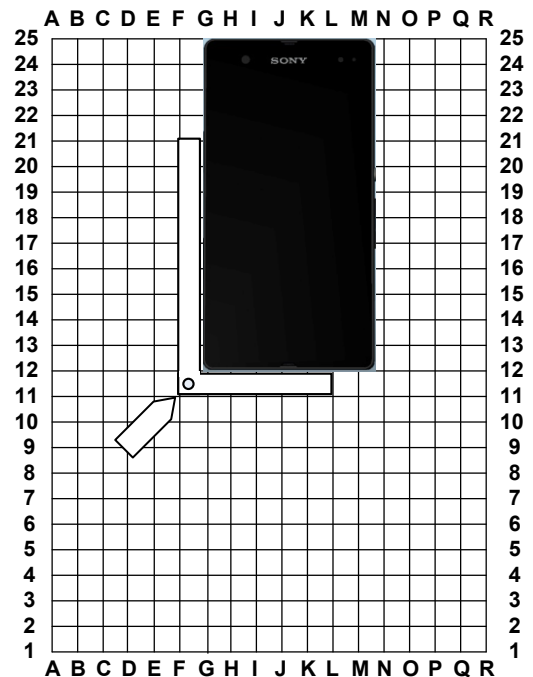
The following equipment has to be used:

- 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 **F11** and place the phone as shown in the adjacent picture.



1.2 Antenna Coupler D6503 D6543 all bands

The following equipment has to be used:

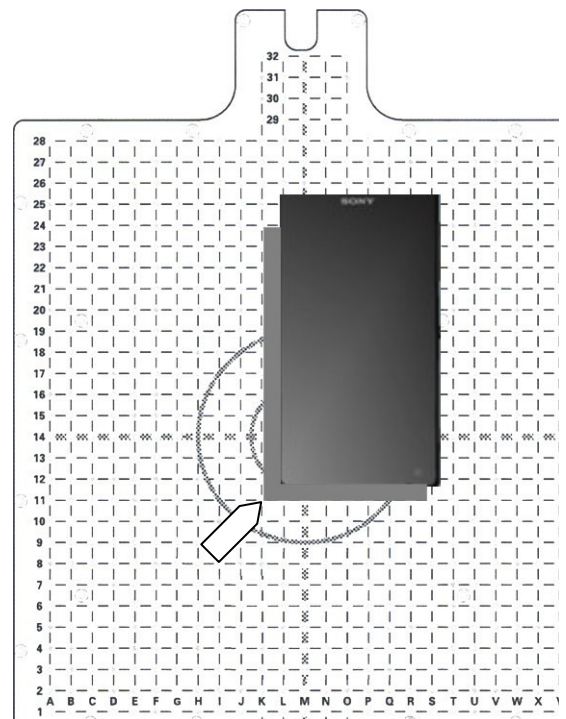
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box CMW-Z11
 - Rohde & Schwartz RF Coupler
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

LTE-BAND 1/2/3/4/5/7/8/13/17/20

Put the grid positioning holder with its reference point in position **K11** 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 4 versions, D6502, D6503, D6543 and L50w, including the following bands:

D6502 and L50w:

GSM-850/900/1800/1900

WCDMA-850/ 900/1700/1900/2100

D6503:

GSM-850/900/1800/1900

WCDMA-850/ 900/1700/1900/2100

LTE-1/2/3/4/5/7/8/13/17/20

not to be tested in SERPII

D6543:

GSM-850/900/1800/1900

WCDMA-850/ 900/1700/1900/2100

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

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

Band	Channel	Attenuation D6502 and L50w		Attenuation D6503 and D6543	
		Rx	Tx	Rx	Tx
GSM 850	Low	8.00	10.16	8.00	10.16
	Mid	8.50	10.08	8.50	10.08
	High	8.00	9.89	8.00	9.89
GSM 900	Low	7.00	11.28	7.00	11.28
	Mid	10.00	10.22	10.00	10.22
	High	12.00	8.94	12.00	8.94
GSM 1800	Low	16.00	15.36	16.00	15.36
	Mid	16.00	14.64	16.00	14.64
	High	16.00	15.50	16.00	15.50
GSM 1900	Low	15.50	16.46	15.50	16.46
	Mid	16.00	17.35	16.00	17.35
	High	16.00	15.85	16.00	15.85
WCDMA 850	Low	9.00	10.04	9.00	10.04
	Mid	9.00	10.21	9.00	10.21
	High	8.50	10.02	8.50	10.02
WCDMA 900	Low	8.00	7.63	8.00	7.63
	Mid	8.00	7.19	8.00	7.19
	High	9.00	7.09	9.00	7.09
WCDMA 1700	Low	16.00	14.95	16.00	14.95
	Mid	16.50	14.53	16.50	14.53
	High	17.00	14.39	17.00	14.39
WCDMA 1900	Low	16.00	14.81	16.00	14.81
	Mid	15.00	17.04	15.00	17.04
	High	17.00	15.59	17.00	15.59
WCDMA 2100	Low	15.50	13.04	15.50	13.04
	Mid	16.50	12.03	16.50	12.03
	High	18.50	12.72	18.50	12.72

Go/NoGo Testing

1.3.2 Loss Values – Antenna Coupler CMW-Z11

Band	Channel	Attenuation D6503		Attenuation D6543	
		Rx	Tx	Rx	Tx
GSM 850	Low	12.00	11.00	11.00	10.20
	Mid	11.00	13.00	10.00	11.70
	High	12.00	14.40	11.00	12.80
GSM 900	Low	19.00	11.50	17.00	10.30
	Mid	19.00	12.30	17.00	11.10
	High	15.00	15.00	14.00	13.50
GSM 1800	Low	11.00	13.00	12.00	15.60
	Mid	11.00	11.30	11.00	13.10
	High	11.00	11.00	13.00	12.20
GSM 1900	Low	16.00	10.00	16.00	10.70
	Mid	19.00	11.00	16.00	13.00
	High	21.00	12.40	17.00	14.00
WCDMA 850	Low	12.00	10.40	11.00	9.80
	Mid	14.00	11.50	13.00	10.60
	High	14.00	13.20	13.00	11.70
WCDMA 900	Low	21.00	10.00	19.00	8.70
	Mid	21.00	11.40	19.00	10.00
	High	19.00	14.60	17.00	12.70
WCDMA 1700	Low	15.00	13.60	19.00	17.40
	Mid	14.00	13.20	16.00	16.40
	High	12.00	12.40	13.00	14.30
WCDMA 1900	Low	17.00	10.00	18.00	10.40
	Mid	22.00	11.00	17.00	13.60
	High	24.00	12.40	20.00	13.60
WCDMA 2100	Low	15.00	13.20	19.00	13.70
	Mid	12.00	17.30	15.00	17.30
	High	12.00	19.20	14.00	15.00
LTE BAND 1	Low	14.00	15.00	16.00	16.00
	Mid	13.00	17.30	15.00	17.30
	High	12.00	20.00	13.00	20.00

Go/NoGo Testing: Attenuation Factors

LTE BAND 2	Low	16.00	11.00	17.00	12.00
	Mid	19.00	11.60	17.00	13.60
	High	17.00	13.30	17.00	15.00
LTE BAND 3	Low	11.00	15.50	21.00	15.50
	Mid	10.00	13.50	11.00	13.50
	High	10.00	12.60	13.00	12.70
LTE BAND 4	Low	15.00	15.50	16.00	15.50
	Mid	14.00	15.50	16.00	17.30
	High	11.00	15.00	12.00	15.40
LTE BAND 5	Low	12.00	13.00	11.00	11.60
	Mid	11.00	14.00	10.00	12.20
	High	11.00	14.50	11.00	13.00
LTE BAND 7	Low	23.00	25.00	24.00	25.00
	Mid	20.00	24.50	24.00	24.50
	High	18.00	26.00	24.00	26.00
LTE BAND 8	Low	20.00	11.50	17.00	11.00
	Mid	19.00	12.50	17.00	12.00
	High	17.00	15.10	15.00	14.00
LTE BAND 13	Low	13.00	11.00		
	Mid	13.00	11.00		
	High	13.00	11.00		
LTE BAND 17	Low	12.00	13.20		
	Mid	13.00	13.00		
	High	12.00	13.00		
LTE BAND 20	Low	10.00	13.50		
	Mid	10.00	15.00		
	High	11.00	15.00		

2 Revision History

Rev.	Date	Changes / Comments
1	2014-03-13	Initial release
2	2014-04-06	Added D6543.