

Go/No Go Test



Xperia™ Z2a
D6563

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D6563 no LTE is implemented in SERPII.

D6563 all bands is ONLY 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 D6563 no LTE

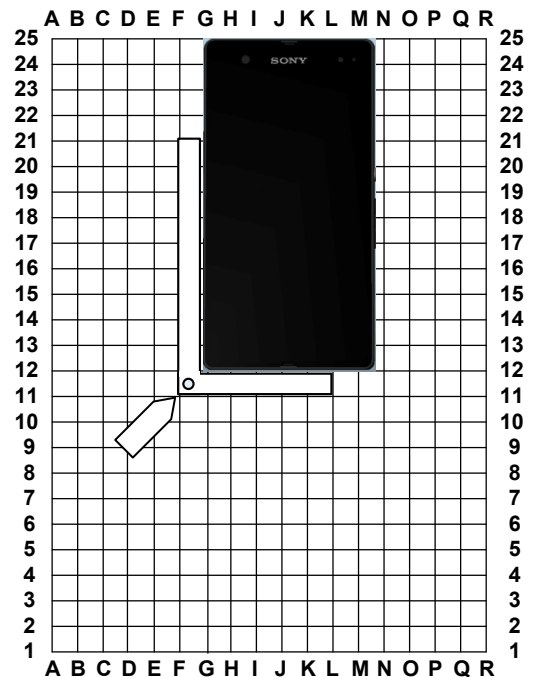
The following equipment has to be used:

- 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-850/900/1900/2100

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 D6563 all bands

The following equipment has to be used:

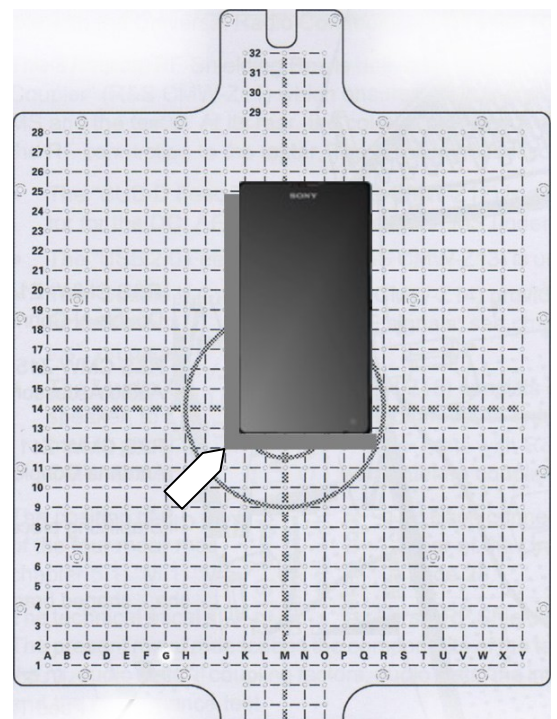
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box
 - Rohde & Schwartz RF Coupler CMW-Z11
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1900/2100

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

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 one version, D6563, including the following bands:

D6563:

GSM-850/900/1800/1900

WCDMA-850/ 900/1900/2100

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

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 D6563	
		Rx	Tx
GSM 850	Low	5.00	10.40
	Mid	4.50	7.49
	High	5.00	5.25
GSM 900	Low	4.00	7.12
	Mid	4.00	5.70
	High	6.00	5.60
GSM 1800	Low	14.00	18.25
	Mid	11.00	17.27
	High	10.00	16.86
GSM 1900	Low	8.00	12.37
	Mid	9.00	10.75
	High	10.00	9.79
WCDMA 850	Low	5.00	9.13
	Mid	4.00	7.87
	High	4.00	6.67
WCDMA 900	Low	3.50	7.57
	Mid	4.00	7.12
	High	5.00	7.09
WCDMA 1900	Low	8.50	13.66
	Mid	8.00	11.51
	High	9.00	11.14
WCDMA 2100	Low	8.50	9.57
	Mid	8.00	9.53
	High	8.00	10.29

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1.3.2 Loss Values – Antenna Coupler CMW-Z11

Band	Channel	Attenuation D6563	
		Rx	Tx
GSM 850	Low	9.00	7.00
	Mid	7.50	7.20
	High	7.50	7.50
GSM 900	Low	8.00	8.60
	Mid	10.00	8.00
	High	8.00	8.70
GSM 1800	Low	14.00	17.60
	Mid	13.50	14.00
	High	15.50	12.50
GSM 1900	Low	18.50	13.40
	Mid	17.00	15.80
	High	14.00	17.50
WCDMA 850	Low	11.00	6.40
	Mid	10.00	7.20
	High	10.00	8.00
WCDMA 900	Low	10.00	5.80
	Mid	12.00	5.60
	High	11.00	5.80
WCDMA 1900	Low	20.00	13.80
	Mid	18.00	15.70
	High	17.00	17.40
WCDMA 2100	Low	17.00	16.70
	Mid	17.50	14.00
	High	20.00	12.30
LTE BAND 1	Low	15.00	18.70
	Mid	15.00	16.40
	High	17.50	14.40
LTE BAND 2	Low	18.00	15.60
	Mid	16.00	17.10
	High	15.00	18.80
LTE BAND 3	Low	14.00	18.40
	Mid	15.00	15.60
	High	16.00	15.70

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Band	Channel	Attenuation D6563	
		Rx	Tx
LTE BAND 5	Low	9.00	8.50
	Mid	8.00	8.90
	High	7.50	9.70
LTE BAND 7	Low	18.50	21.20
	Mid	19.00	19.50
	High	20.50	19.30
LTE BAND 8	Low	9.00	7.80
	Mid	9.50	7.50
	High	9.50	7.70

2 Revision History

Rev.	Date	Changes / Comments
1	2014-07-01	Initial release