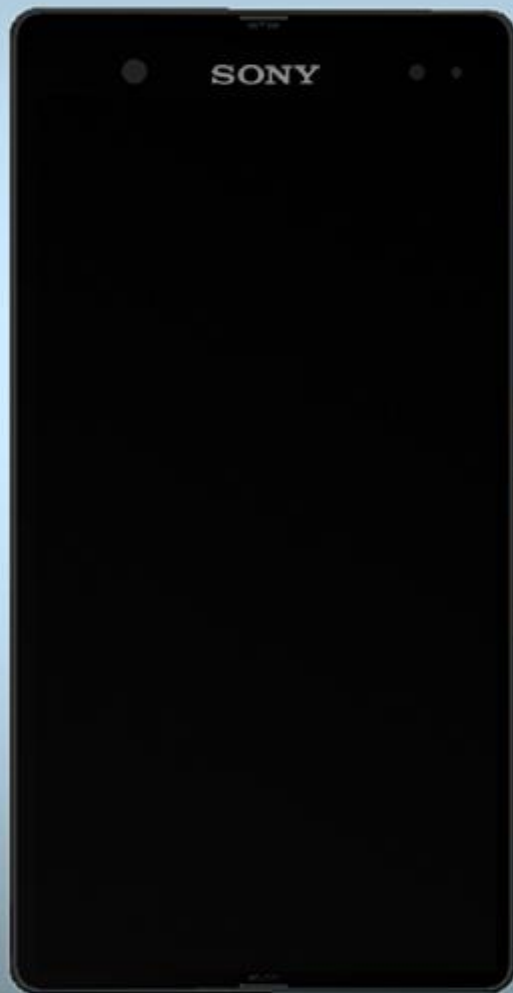


Go/No Go Test

- electrical -



Xperia™ Z

C6602/C6603/ L36h

CONTENTS

1	Go/No Go Testing	3
1.1	Antenna Coupler C6602 and L36h no LTE	3
1.2	Antenna Coupler C6603 all bands.....	3
1.3	Attenuation Factors	4
1.3.1	Loss Values – Antenna Coupler CMU-Z11	5
1.3.2	Loss Values – Antenna Coupler CMW-Z11.....	6
1.3.3	Loss Values – Direct Line	7
2	Revision History	8

C6602 and L36h no LTE is ONLY implemented in SERPII.

C6603 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 C6602 and L36h no LTE

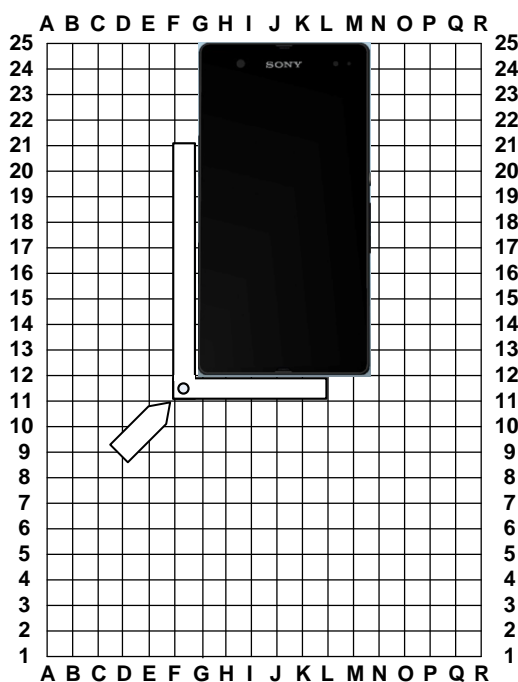
The following equipment has to be used:

- 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 C6603 all bands

The following equipment has to be used:

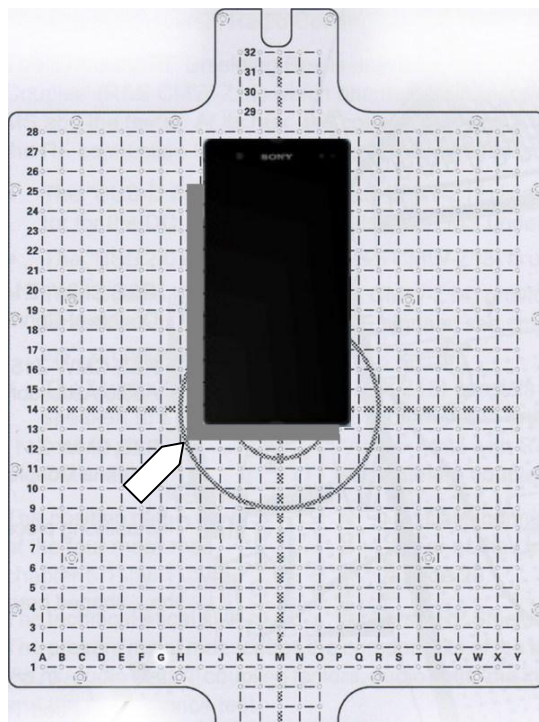
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box
 - Rohde & Schwartz RF Coupler CMW-Z11
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

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 **I13** 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, C6602 C6603 and L36h, including the following bands:

C6602 and L36h:

GSM-850/900/1800/1900

WCDMA-850/900 /1700 /1900 /2100

C6603:

GSM-850/900/1800/1900

WCDMA-850/900/2100

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

Go/NoGo Testing

1.3 Attenuation Factors

The attenuation values listed below in 1.3.1 1.3.2 and 1.3.3 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 C6602 and L36h	
		Rx	Tx
GSM 850	Low	7.00	10.64
	Mid	6.00	9.16
	High	9.00	7.74
GSM 900	Low	4.50	7.19
	Mid	4.50	6.81
	High	4.50	6.74
GSM 1800	Low	16.50	21.05
	Mid	15.00	21.55
	High	15.00	20.94
GSM 1900	Low	13.00	11.47
	Mid	14.00	13.54
	High	14.00	14.13
WCDMA 850	Low	7.50	9.22
	Mid	8.00	9.01
	High	8.50	7.96
WCDMA 900	Low	8.00	5.48
	Mid	8.50	5.86
	High	8.00	5.33
WCDMA 1700	Low	13.50	20.06
	Mid	13.50	20.23
	High	13.00	19.16
WCDMA 1900	Low	13.00	19.86
	Mid	14.00	14.80
	High	14.50	15.45
WCDMA 2100	Low	13.00	13.02
	Mid	13.50	13.06
	High	13.00	14.70

Go/NoGo Testing: Attenuation Factors

1.3.2 Loss Values – Antenna Coupler CMW-Z11

Band	Channel	Attenuation C6603	
		Rx	Tx
GSM 850	Low	17.50	10.98
	Mid	15.50	11.53
	High	15.50	13.15
GSM 900	Low	13.00	15.00
	Mid	14.50	13.10
	High	15.00	12.67
GSM 1800	Low	11.00	11.30
	Mid	11.50	12.10
	High	12.00	12.62
GSM 1900	Low	13.50	11.59
	Mid	14.50	10.74
	High	12.00	13.05
WCDMA 850	Low	17.50	11.00
	Mid	18.50	12.19
	High	16.50	14.53
WCDMA 900	Low	17.50	12.77
	Mid	17.50	11.56
	High	17.00	11.77
WCDMA 2100	Low	14.00	12.31
	Mid	15.00	11.49
	High	15.50	11.92
LTE BAND 1	Low	14.50	14.41
	Mid	14.50	14.76
	High	15.00	14.05
LTE BAND 3	Low	12.50	10.89
	Mid	11.50	14.76
	High	11.50	13.22
LTE BAND 5	Low	16.00	13.28
	Mid	15.00	14.08
	High	13.50	15.00
LTE BAND 7	Low	15.50	14.78
	Mid	17.50	15.53

	High	17.50	15.78
LTE BAND 8	Low	14.50	15.04
	Mid	16.00	13.88
	High	15.50	14.06
LTE BAND 20	Low	11.50	13.93
	Mid	11.50	15.57
	High	11.50	16.28

1.3.3 Loss Values – Direct Line

Band	Channel	Attenuation C6602 and L36h	
		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 1700	All	1.3	1.3
WCDMA 1900	All	1.3	1.3
WCDMA 2100	All	1.3	1.3

2 Revision History

Rev.	Date	Changes / Comments
1	2013-Feb-17	Initial release
2	2013-Feb-20	Added C6603
3	2013-Feb-21	Updated attenuation