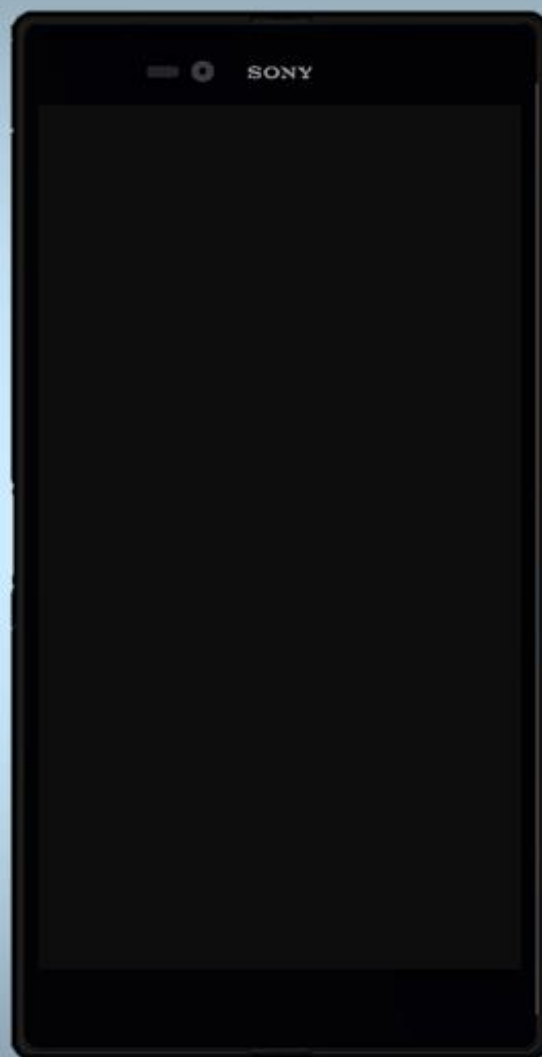


Go/No Go Test



Xperia™ Z Ultra

C6802 / C6806 / C6833 / C6843 / SOL24
/ XL39h

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C6802 and XL39h is ONLY implemented in SERPII.

C6806, C6833 and C6843 all bands is ONLY implemented in CMWrun

C6806, C6833, C6843 and SOL24 no LTE is implemented in SERPII.

1 Go/No Go Testing

This Go/No Go testing has to be carried out in two ways, with an:

- Antenna Coupler.
- Cable in shield box.

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 C6802, C6806, C6833, C6843, SOL24 and XL39h

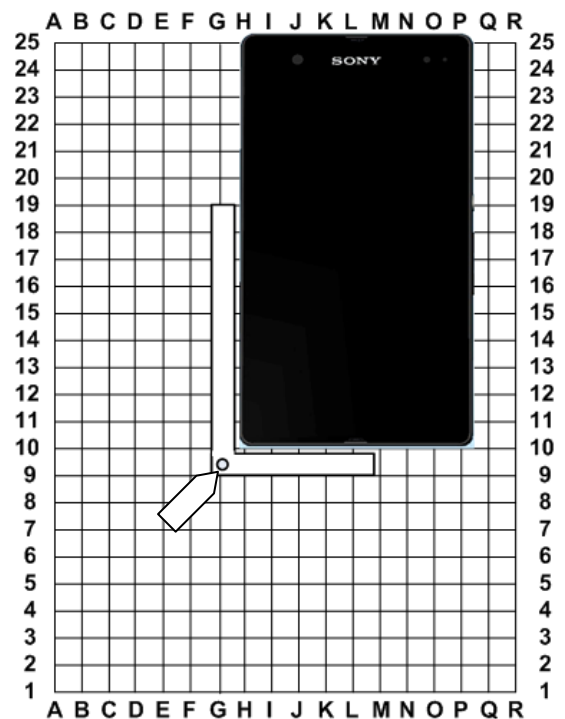
The following equipment has to be used:

- 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 **G9** and place the phone as shown in the adjacent picture. **Remove RF and Data through connectors if mounted**



1.2 Antenna Coupler C6806, C6833 and C6843 all bands

The following equipment has to be used:

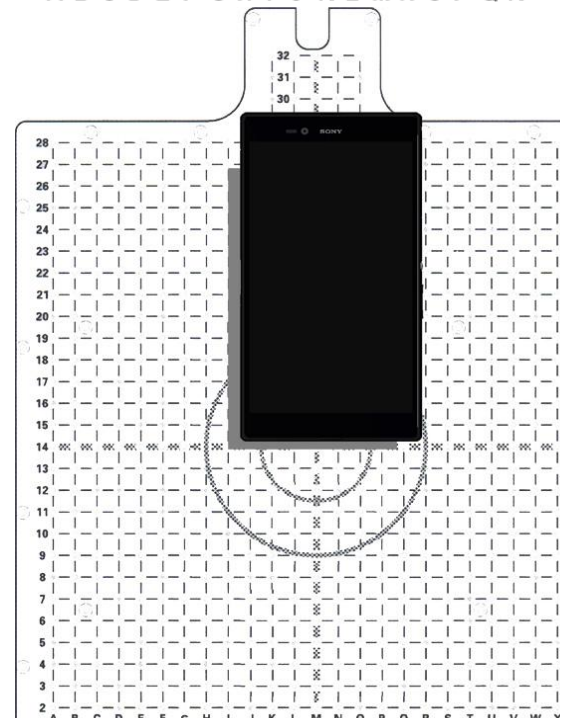
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box
 - Rohde & Schwartz RF Coupler CMW-Z11
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

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

Put the grid positioning holder with its reference point in position **I14** and place the phone as shown in the adjacent picture.



Go/NoGo Testing

1.3 Direct Line

The following equipment has to be used:

- RF Test Cable Flexible 1M
- RF Probe
- Micro USIM Card, instrument specific.

Connect the RF Probe as shown in the adjacent picture.

To get access to the RF connector on the PBA, refer to 1276-6435: C68 Mechanical Working Instructions, Chapter 3.1!



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 6 variants, C6802, C6806, C6833, C6843, SOL24 and XL39h including the following bands:

C6802 and XL39h:

GSM-850/900/1800/1900

WCDMA-850 /900 /1700 /1900 /2100

C6806:

GSM-850/900/1800/1900

WCDMA-850 /900 /1700 /1900 /2100

LTE-1/2/4/5/7/8/17 **Not to be tested in SERPII**

C6833 and C6843:

GSM-850/900/1800/1900

WCDMA-850 /900 /1700 /1900 /2100

LTE-1/2/3/4/5/7/8/20 **Not to be tested in SERPII**

SOL24:

GSM-850/900/1800/1900

WCDMA-850 /1900 /2100

LTE-1/3/11/18 **Not to be tested in SERPII**

Go/NoGo Testing

1.4 Attenuation Factors

The attenuation values listed below in 1.4.1 – 1.4.3 is valid only when the equipment listed on the previous pages is being used!

1.4.1 Loss Values – Antenna Coupler CMU-Z11, C6802, C6806, C6833, C6843, SOL24 and XL39h

Band	Channel	Attenuation C6802, C6806, C6833, C6843 and XL39h		Attenuation SOL24	
		Rx	Tx	Rx	Tx
GSM 850	Low	7.50	16.86	7.50	16.86
	Mid	8.00	17.14	8.00	17.14
	High	8.00	15.81	8.00	15.81
GSM 900	Low	9.50	10.70	9.50	10.70
	Mid	14.00	9.76	14.00	9.76
	High	15.00	9.33	15.00	9.33
GSM 1800	Low	17.50	20.99	17.50	20.99
	Mid	16.00	18.16	16.00	18.16
	High	15.00	17.37	15.00	17.37
GSM 1900	Low	9.50	17.48	9.50	17.48
	Mid	15.00	15.37	15.00	15.37
	High	12.00	14.47	12.00	14.47
WCDMA 850	Low	9.00	16.57	9.00	16.57
	Mid	7.50	15.69	7.50	15.69
	High	8.50	13.74	8.50	13.74
WCDMA 900	Low	10.00	9.12		
	Mid	13.00	8.57		
	High	15.50	8.67		
WCDMA 1700	Low	16.00	18.75		
	Mid	16.50	17.44		
	High	16.00	16.80		
WCDMA 1900	Low	14.00	17.13	14.00	17.13
	Mid	14.00	13.36	14.00	13.36
	High	13.50	13.85	13.50	13.85
WCDMA 2100	Low	14.50	13.58	14.50	13.58
	Mid	16.00	13.75	16.00	13.75
	High	17.00	14.16	17.00	14.16

Go/NoGo Testing: Attenuation Factors

1.4.2 Loss Values – Antenna Coupler CMW-Z11, C6806, C6833 and C6843

Band	Channel	Attenuation			
		C6833 and C6843		C6806	
		Rx	Tx	Rx	Tx
GSM 850	Low	17.67	15.1	17.67	15.10
	Mid	14.33	16.5	14.33	16.50
	High	14.33	18.5	14.33	18.50
GSM 900	Low	20.33	15.5	20.33	15.50
	Mid	22.33	12.1	22.33	12.10
	High	18.33	13.0	18.33	13.00
GSM 1800	Low	12.00	14.0	12.00	14.00
	Mid	11.33	10.7	11.33	10.70
	High	11.00	10.2	11.00	10.20
GSM 1900	Low	12.33	12.6	12.33	12.60
	Mid	12.33	11.6	12.33	11.60
	High	11.67	11.0	11.67	11.00
WCDMA 850	Low	15.67	14.0	15.67	13.00
	Mid	17.33	14.9	17.33	13.90
	High	18.00	16.5	18.00	16.50
WCDMA 900	Low	22.33	14.1	22.33	14.10
	Mid	23.67	13.2	23.67	13.20
	High	20.00	13.9	20.00	13.90
WCDMA 1700	Low	14.67	11.5	14.67	11.50
	Mid	17.33	10.5	17.33	10.50
	High	15.33	9.6	15.33	9.60
WCDMA 1900	Low	13.67	11.0	13.67	10.0
	Mid	13.67	11.0	13.67	9.50
	High	14.00	11.3	14.00	9.60
WCDMA 2100	Low	15.00	10.8	15.00	9.20
	Mid	16.67	10.1	16.67	9.10
	High	16.00	10.5	16.00	10.50
BAND 1	Low	13.33	12.7	13.33	11.00
	Mid	14.67	12.0	14.67	11.00
	High	14.00	12.3	14.00	12.30
BAND 2	Low	12.33	12.6	12.33	11.60
	Mid	11.67	12.4	11.67	11.00

Go/NoGo Testing: Attenuation Factors

				12.00	11.00
BAND 3	Low	13.00	13.4		
	Mid	11.67	11.9		
	High	12.67	12.3		
BAND 4	Low	13.67	13.3	13.67	13.30
	Mid	15.67	12.2	15.67	12.20
	High	13.67	11.7	13.67	11.70
BAND 5	Low	15.33	16.5	15.33	16.50
	Mid	15.00	17.3	15.00	17.30
	High	15.67	18.3	15.67	18.30
BAND 7	Low	16.67	13.7	16.67	15.70
	Mid	18.33	14.4	18.33	16.40
	High	17.67	15.0	17.67	17.00
BAND 8	Low	20.00	15.9	20.00	15.90
	Mid	21.67	15.3	21.67	15.30
	High	19.67	15.8	19.67	16.50
BAND 17	Low			7.30	8.60
	Mid			8.00	8.50
	High			9.00	8.50
BAND 20	Low	12.00	17.0		
	Mid	14.00	18.3		
	High	15.00	18.5		

Go/NoGo Testing: Attenuation Factors

1.4.3 Loss Values – Direct Line

Band	Channel	Attenuation	
		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	1.3	1.3
WCDMA 900	All	1.3	1.3
WCDMA 1700	All	1.3	1.3
WCDMA 1900	All	1.3	1.3
WCDMA 2100	All	2.5	2.5

2 Revision History

Rev.	Date	Changes / Comments
1	2013-Jul-11	Initial release
2	2013-Sep-12	Added C6833 to CMWrun
3	2013-Oct-20	Added C6806 and C6833 to SERPII
4	2013-Oct-21	Added C6806 and C6843 to CMWrun
5	2013-Oct-26	Added C6843 to SERPII / moved to mechanical level
6	2014-Jan-18	Added SOL24 to SERPII