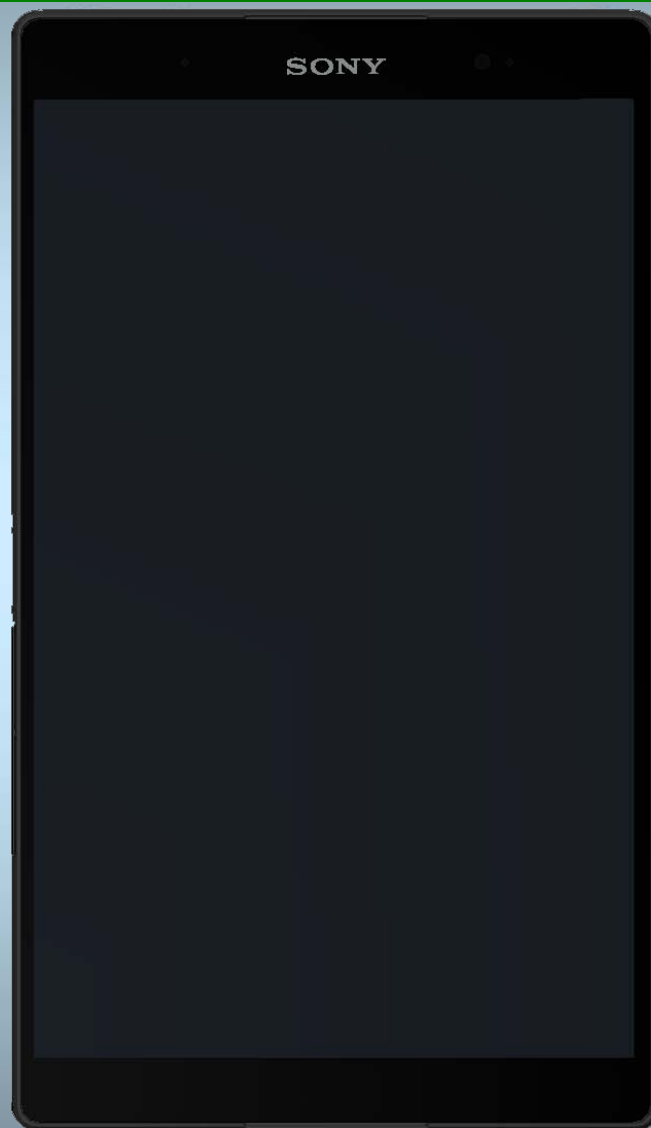


# Go/No Go Test



*Xperia™ Z3 Tablet Compact*  
*SGP621 , SGP641*

## CONTENTS

<b>Go/No Go Testing .....</b>	<b>3</b>
<b>1.1 Antenna Coupler SGP621 and SGP641 no LTE .....</b>	<b>3</b>
<b>1.2 Antenna Coupler SGP621 SGP641 all bands .....</b>	<b>4</b>
<b>1.3 Attenuation Factors .....</b>	<b>6</b>
1.3.1 Loss Values – Antenna Coupler CMU-Z11, SGP621 and SGP641 .....	6
1.3.2 Loss Values – Antenna Coupler CMW-Z11, SGP621 .....	7
<b>2 Revision History .....</b>	<b>9</b>

***SGP621 no LTE is implemented in SERPII.***

***SGP641 no LTE is implemented in SERPII.***

## Go/No Go Testing

This Go/No Go testing has to be carried out in one way, 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 SGP621 and SGP641 no LTE

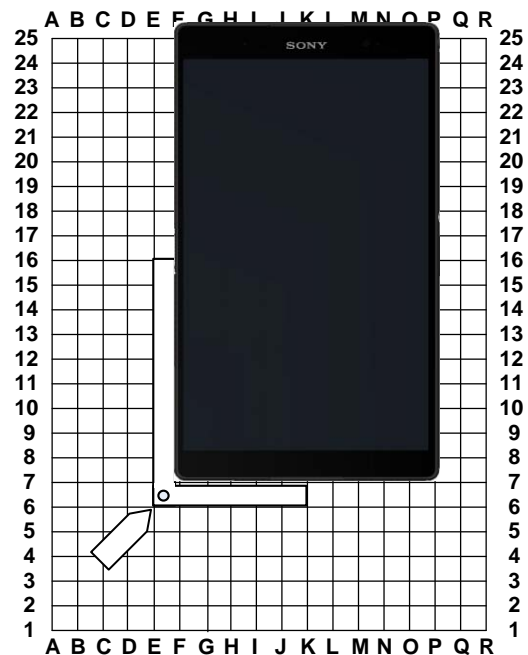
The following equipment has to be used:

- 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
- Nano 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 **E6** and place the phone as shown in the adjacent picture. **Remove RF and Data through connectors if mounted**



## Go/NoGo Testing

### 1.2 Antenna Coupler SGP621 SGP641 all bands

The following equipment has to be used:

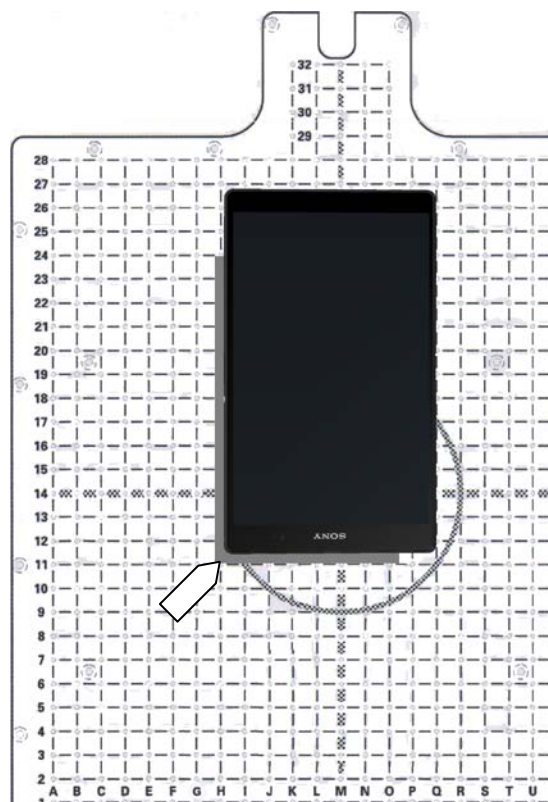
- Rohde & Schwartz RF Shield Package
  - Rohde & Schwartz RF Shield Box CMW-Z11
  - Rohde & Schwartz RF Coupler
  - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Nano USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

LTE-BAND 1/2/3/4/5/7/8/13/17/20/28/40

Put the grid positioning holder with its reference point in position **H11** 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 2 variant, SGP621 and SGP641 including the following bands:

### **SGP621:**

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, only in CMWrun

### **SGP641:**

GSM-850/900/1800/1900

WCDMA-850/900/1900/2100

LTE-1/3/5/7/8/28/40

not to be tested in SERPII, only in CMWrun

## 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, SGP621 and SGP641

Band	Channel	Attenuation SGP621		Attenuation SGP641	
		Rx	Tx	Rx	Tx
GSM 850	Low	14.00	23.05	14.00	23.05
	Mid	11.00	22.31	11.00	22.31
	High	10.00	20.99	10.00	20.99
GSM 900	Low	11.00	12.66	11.00	12.66
	Mid	12.00	12.09	12.00	12.09
	High	13.00	12.54	13.00	12.54
GSM 1800	Low	21.00	19.54	21.00	19.54
	Mid	22.00	19.24	22.00	19.24
	High	18.00	19.73	18.00	19.73
GSM 1900	Low	20.00	18.43	20.00	18.43
	Mid	19.00	19.59	19.00	19.59
	High	22.00	20.06	22.00	20.06
WCDMA 850	Low	12.50	21.59	12.50	21.59
	Mid	10.00	21.01	10.00	18.01
	High	10.50	20.92	10.50	17.01
WCDMA 900	Low	12.00	11.19	12.00	11.19
	Mid	11.00	10.16	11.00	10.16
	High	11.50	10.46	11.50	10.46
WCDMA 1700	Low	22.00	19.77		
	Mid	23.00	18.90		
	High	23.00	18.78		
WCDMA 1900	Low	18.50	21.95	18.50	21.95
	Mid	19.00	18.04	19.00	18.04
	High	19.50	20.35	19.50	20.35
WCDMA 2100	Low	21.00	19.17	21.00	19.17
	Mid	21.00	18.67	21.00	18.67
	High	22.00	19.35	22.00	19.35

## Go/NoGo Testing

### 1.3.2 Loss Values – Antenna Coupler CMW-Z11, SGP621

Band	Channel	Attenuation SGP621		Attenuation SGP641	
		Rx	Tx	Rx	Tx
GSM 850	Low	8.00	7.31	14.00	7.00
	Mid	9.00	8.15	6.00	7.80
	High	11.00	9.40	15.00	9.30
GSM 900	Low	18.00	10.38	23.00	10.10
	Mid	19.00	13.28	15.00	12.10
	High	20.00	17.34	23.00	17.50
GSM 1800	Low	18.00	18.12	27.00	15.10
	Mid	21.00	14.95	22.00	17.90
	High	18.00	16.17	25.00	19.00
GSM 1900	Low	15.00	20.07	21.00	23.00
	Mid	15.00	17.48	13.00	18.40
	High	17.00	14.94	22.00	16.20
WCDMA 850	Low	10.00	6.10	6.00	6.20
	Mid	11.00	6.60	6.00	6.80
	High	13.00	7.70	8.00	7.80
WCDMA 900	Low	20.00	8.70	14.00	8.60
	Mid	21.00	11.50	15.00	10.80
	High	22.00	15.60	15.00	14.60
WCDMA 1700	Low	21.00	17.80		
	Mid	21.00	15.90		
	High	22.00	14.50		
WCDMA 1900	Low	16.00	19.70	13.00	20.80
	Mid	18.00	17.00	14.00	17.10
	High	18.00	13.90	13.00	15.00
WCDMA 2100	Low	21.00	14.00	16.00	14.60
	Mid	20.00	16.00	18.00	14.40
	High	24.00	15.30	23.00	15.30
LTE Band 1	Low	20.00	15.60	20.00	16.50
	Mid	20.00	16.00	21.00	16.70
	High	22.00	17.00	25.00	17.00

## Go/NoGo Testing

Band	Channel	Attenuation SGP621		Attenuation SGP621	
		Rx	Tx	Rx	Tx
LTE Band 2	Low	16.00	21.00		
	Mid	18.00	17.00		
	High	16.00	15.90		
LTE Band 3	Low	18.00	19.50	22.00	16.00
	Mid	20.00	16.50	23.00	18.60
	High	19.00	17.10	19.00	19.50
LTE Band 4	Low	20.00	19.50		
	Mid	20.00	17.80		
	High	21.00	16.20		
LTE Band 5	Low	10.00	8.10	10.00	8.60
	Mid	9.00	8.60	9.00	8.70
	High	12.00	9.30	11.00	10.00
LTE Band 7	Low	20.00	20.00	18.00	22.10
	Mid	18.00	20.50	17.00	21.90
	High	18.00	21.00	17.00	20.70
LTE Band 8	Low	19.00	11.40	18.00	11.10
	Mid	19.00	13.30	17.00	12.50
	High	20.00	16.70	18.00	15.60
LTE Band 13	Low	10.00	10.5		
	Mid	10.00	10.5		
	High	10.00	10.5		
LTE Band 17	Low	9.00	8.20		
	Mid	9.00	8.00		
	High	9.00	8.00		
LTE Band 20	Low	7.00	8.70		
	Mid	7.00	9.60		
	High	8.00	10.00		
LTE Band 28	Low			10.00	8.30
	Mid			10.00	8.50
	High			11.00	9.00
LTE Band 40	Low			26.00	30.40
	Mid			27.00	26.90
	High			21.00	21.50



## 2 Revision History

Rev.	Date	Changes / Comments
1	2014-10-14	Initial release
2	2015-01-09	SGP641 added