

## Go/No Go Test



*Xperia™ Z3+*  
*E6553*

*Xperia™ Z3+ Dual*  
*E6533*

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*E6533 no LTE is implemented in SERPII.*

*E6553 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 E6533 and E6553 no LTE

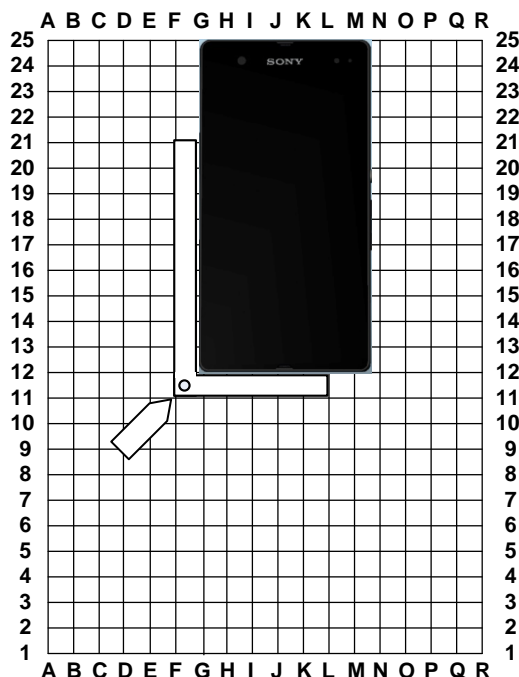
The following equipment has to be used:

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



### 1.2 Antenna Coupler E6533 and E6553 all bands

The following equipment has to be used:

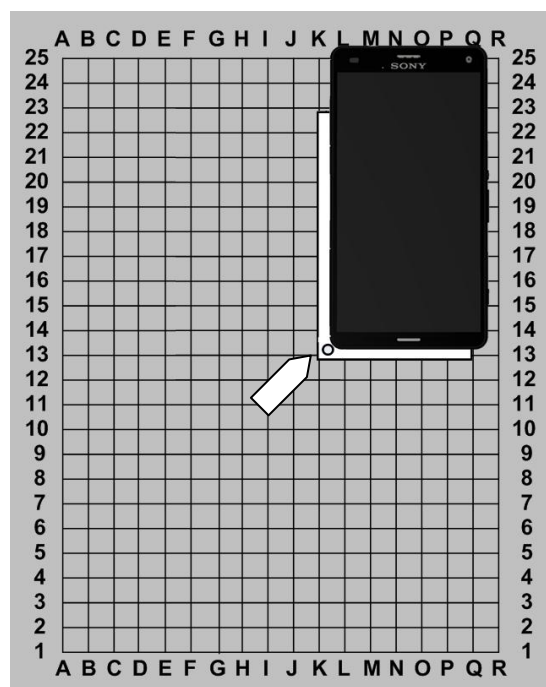
- Rohde & Schwartz RF Shield Package
  - Rohde & Schwartz RF Shield Box CMW-Z11
  - Rohde & Schwartz RF Coupler
  - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Nano USIM Card, instrument specific

**GSM-850/900/1800/1900**

**WCDMA-850/900/1700/1900/2100**

**LTE BAND-1/2/3/4/5/7/8/12/17/20/28/38/39/40/41**

Put the grid positioning holder with its reference point in position **K13** 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 versions E6533 and E6553, including the following bands:

### **E6533:**

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

LTE-1/2/3/4/5/7/8/17/20/38/39/40/41

not to be tested in SERPII

### **E6553:**

GSM-850/900/1800/1900

WCDMA-850/ 900/1900/2100

LTE-1/2/3/4/5/7/8/12/17/20/28/40

not to be tested in SERPII

## Go/NoGo Testing

### 1.3 Attenuation Factors

*The attenuation values listed below in 1.3.1-1.3.2 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 E6533		Attenuation E6553	
		Rx	Tx	Rx	Tx
GSM 850	Low	8.00	10.97	7.00	10.19
	Mid	8.00	10.14	8.00	9.40
	High	6.00	9.08	6.00	8.34
GSM 900	Low	8.00	7.33	8.00	6.35
	Mid	6.00	7.17	9.00	6.80
	High	10.00	8.22	11.00	8.14
GSM 1800	Low	12.00	24.26	14.00	21.44
	Mid	11.00	17.51	12.00	17.00
	High	12.00	14.90	13.00	14.97
GSM 1900	Low	16.00	12.46	15.00	11.90
	Mid	15.00	12.50	14.00	11.97
	High	16.00	13.50	16.00	12.38
WCDMA 850	Low	6.50	9.24	6.50	9.71
	Mid	7.00	8.44	5.50	8.81
	High	6.00	7.83	5.00	8.25
WCDMA 900	Low	8.00	7.38	8.00	7.13
	Mid	9.00	7.25	9.00	6.94
	High	10.00	8.04	10.00	8.35
WCDMA 1700	Low	18.50	23.04		
	Mid	18.00	23.21		
	High	18.00	17.85		
WCDMA 1900	Low	14.00	13.71	13.50	11.59
	Mid	15.00	12.52	14.00	11.68
	High	15.00	13.32	14.50	13.05
WCDMA 2100	Low	13.00	14.66	12.50	13.60
	Mid	13.50	16.18	13.00	15.11
	High	14.50	16.72	13.50	15.33

## Go/NoGo Testing

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

Band	Channel	Attenuation E6533		Attenuation E6553	
		Rx	Tx	Rx	Tx
GSM 850	Low	10.00	9.40	10.00	20.00
	Mid	10.00	9.20	10.00	23.60
	High	9.00	9.90	9.00	23.60
GSM 900	Low	12.00	9.50	12.00	19.90
	Mid	15.00	8.35	15.00	23.70
	High	12.00	9.44	12.00	28.50
GSM 1800	Low	9.00	14.90	9.00	22.40
	Mid	10.00	10.01	10.00	23.80
	High	13.00	8.09	13.00	25.90
GSM 1900	Low	15.00	15.00	15.00	15.00
	Mid	15.00	15.00	15.00	15.00
	High	15.00	15.00	15.00	15.00
WCDMA 850	Low	13.00	9.20	13.00	14.20
	Mid	12.00	8.00	12.00	13.00
	High	11.00	8.90	11.00	13.90
WCDMA 900	Low	13.00	9.00	13.00	14.00
	Mid	16.00	8.70	16.00	13.70
	High	14.00	10.62	14.00	15.62
WCDMA 1700	Low	20.00	12.90		
	Mid	23.00	10.60		
	High	27.00	9.10		
WCDMA 1900	Low	14.00	13.00	14.00	13.00
	Mid	15.00	13.20	15.00	13.20
	High	16.00	11.90	16.00	11.90
WCDMA 2100	Low	20.00	11.60	20.00	8.60
	Mid	14.00	11.60	14.00	10.60
	High	17.00	13.00	17.00	13.00
LTE Band 1	Low	19.00	13.80	19.00	13.80
	Mid	16.00	14.20	16.00	14.20
	High	16.00	14.90	16.00	14.90
LTE Band 2	Low	14.00	15.40	14.00	15.40
	Mid	12.00	17.80	12.00	17.80
	High	14.00	14.30	14.00	14.30

## Go/NoGo Testing

LTE Band 3	Low	10.00	15.10	10.00	15.10
	Mid	11.00	11.60	11.00	11.60
	High	13.00	10.40	13.00	10.40
LTE Band 4	Low	19.00	15.20	19.00	15.20
	Mid	21.00	13.10	21.00	13.10
	High	22.00	11.60	22.00	11.60
LTE Band 5	Low	10.00	10.20	10.00	10.20
	Mid	10.00	11.30	10.00	11.30
	High	10.00	11.90	10.00	11.90
LTE Band 7	Low	15.00	17.60	15.00	17.60
	Mid	15.00	17.60	15.00	17.60
	High	15.00	16.80	15.00	16.80
LTE Band 8	Low	12.00	11.50	12.00	11.50
	Mid	14.00	11.20	14.00	11.20
	High	14.00	11.50	14.00	11.50
LTE Band 12	Low			14.00	14.69
	Mid			14.00	14.45
	High			14.00	13.70
LTE Band 17	Low	14.00	14.80	14.00	14.80
	Mid	14.00	14.80	14.00	14.80
	High	14.00	14.60	14.00	13.70
LTE Band 20	Low	10.00	11.20	10.00	11.20
	Mid	10.00	11.30	10.00	11.30
	High	9.00	12.30	9.00	12.30
LTE Band 28	Low			13.00	16.03
	Mid			11.00	14.87
	High			10.00	14.99
LTE Band 38	Low	16.00	17.50		
	Mid	14.00	16.30		
	High	14.00	16.10		
LTE Band 39	Low	14.00	14.30		
	Mid	13.00	13.30		
	High	12.00	12.60		
LTE Band 40	Low	13.00	16.40	19.00	20.13
	Mid	12.00	14.20	15.00	15.55
	High	14.00	16.30	14.00	15.31
LTE Band 41	Low	17.00	17.80		
	Mid	15.00	16.20		
	High	14.00	16.20		

## 2 Revision History

Rev.	Date	Changes / Comments
1	2015-05-27	Initial release
2	2015-05-28	Update LTE test