

## Go/No Go Test



*Xperia C4*

*E5303, E5306, E5333, E5343, E5353, E5363*

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*E5303 is implemented in SERP11.*  
*E5306 is implemented in SERP11.*  
*E5333 is implemented in SERP11.*  
*E5343 is implemented in SERP11.*  
*E5353 is implemented in SERP11.*  
*E5363 is implemented in SERP11.*

## 1 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 E5303, E5306, E5333, E5343, E5353 and E5363

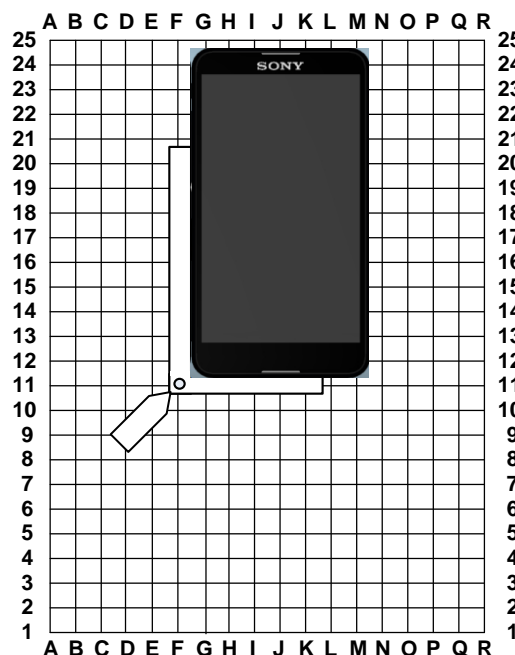
The following equipment has to be used:

- 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 E5303, E5306, E5333, E5343, E5353 and E5363

The following equipment has to be used:

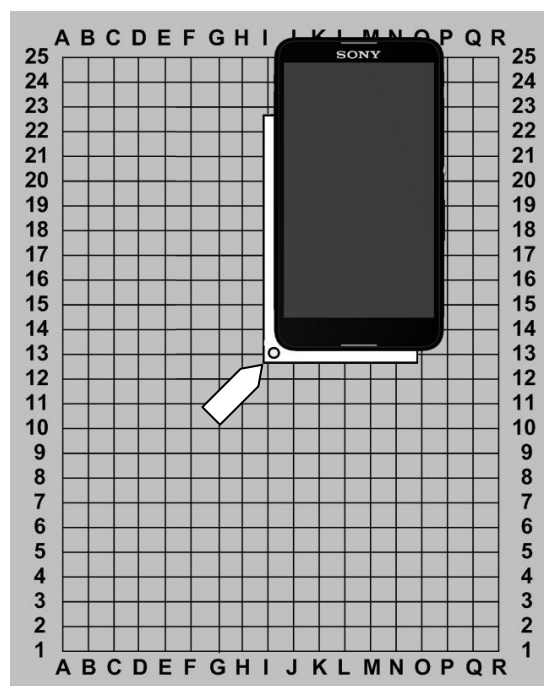
- Rohde & Schwartz RF Shield Package
  - Rohde & Schwartz RF Shield Box CMW-Z11
  - Rohde & Schwartz RF Coupler
  - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

LTE BAND-1/2/3/4/5/7/8/12/13/17/20/28/40

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 6 variants E5303, E5306, E5333, E5343, E5353 and E5363 including the following bands:

### **E5303:**

GSM- 850 / 900 / 1800 / 1900  
WCDMA- 850 / 900 / 1900 / 2100  
LTE- 1 / 2 / 3 / 5 / 7 / 8 / 20

### **E5306:**

GSM- 850 / 900 / 1700 / 1800 / 1900  
WCDMA- 850 / 900 / 1700 / 1900 / 2100  
LTE- 2 / 4 / 5 / 7 / 12 / 13 / 17

### **E5333:**

GSM- 850 / 900 / 1800 / 1900  
WCDMA- 850 / 900 / 1900 / 2100  
LTE- 1 / 2 / 3 / 5 / 7 / 8 / 20

### **E5343:**

GSM- 850 / 900 / 1800 / 1900  
WCDMA- 850 / 900 / 1900 / 2100  
LTE- 2 / 4 / 5 / 7 / 28

### **E5353:**

GSM- 850 / 900 / 1800 / 1900  
WCDMA- 850 / 900 / 1900 / 2100  
LTE- 1 / 3 / 7 / 8 / 28 / 40

### **E5363:**

GSM- 850 / 900 / 1800 / 1900  
WCDMA- 850 / 900 / 1900 / 2100  
LTE- 1 / 3 / 7 / 8 / 28 / 40

## Go/NoGo Testing

### 1.3 Attenuation Factors

*The attenuation values listed below in 1.2.1 is valid only when the equipment listed on the previous pages is being used!*

#### 1.3.1 Loss Values – Antenna Coupler CMU-Z11, E5303, E5306 and E5333

Band	Channel	Attenuation E5303 and E5333		Attenuation E5306	
		Rx	Tx	Rx	Tx
GSM 850	Low	8.50	13.26	9.00	10.22
	Mid	6.50	10.87	7.50	7.95
	High	6.50	8.61	8.00	6.04
GSM 900	Low	6.00	8.40	7.50	10.32
	Mid	6.00	5.40	7.00	8.52
	High	8.00	4.84	10.00	8.02
GSM 1800	Low	20.50	21.38	22.00	22.44
	Mid	17.00	20.75	18.00	22.40
	High	16.00	20.01	17.00	21.70
GSM 1900	Low	17.00	17.60	19.00	18.37
	Mid	16.00	16.14	18.00	16.89
	High	16.00	16.47	19.00	17.30
WCDMA 850	Low	9.00	12.14	9.00	10.81
	Mid	9.00	10.85	7.50	10.57
	High	8.00	9.71	7.50	10.46
WCDMA 900	Low	8.00	7.27	8.00	9.48
	Mid	7.50	6.60	8.00	8.88
	High	9.50	6.50	11.00	8.37
WCDMA 1700	Low			22.00	23.67
	Mid			22.50	23.94
	High			22.50	23.83
WCDMA 1900	Low	18.00	19.22	18.00	20.04
	Mid	16.00	16.10	16.00	16.87
	High	19.00	16.36	19.00	17.15
WCDMA 2100	Low	21.50	17.38	23.50	18.27
	Mid	20.00	18.20	22.00	19.48
	High	18.00	19.36	19.00	22.97

## 1.3.2 Loss Values – Antenna Coupler CMU-Z11, E5343, E5353 and E5363

Band	Channel	Attenuation E5343		Attenuation E5353 and E5363	
		Rx	Tx	Rx	Tx
GSM 850	Low	10.50	9.08	9.00	10.37
	Mid	9.00	7.27	4.50	8.04
	High	10.00	5.94	8.00	6.00
GSM 900	Low	9.50	10.69	7.50	10.40
	Mid	8.50	8.81	7.00	8.47
	High	11.50	8.24	10.50	7.94
GSM 1800	Low	24.50	22.04	20.50	21.92
	Mid	25.00	21.50	18.00	20.91
	High	25.00	21.16	17.00	20.42
GSM 1900	Low	23.00	23.59	17.00	17.89
	Mid	24.00	20.18	16.00	16.30
	High	25.00	20.32	17.00	16.83
WCDMA 850	Low	9.00	10.26	8.00	11.27
	Mid	8.00	10.18	7.50	10.74
	High	9.50	10.02	7.00	10.35
WCDMA 900	Low	8.00	9.38	8.00	9.50
	Mid	8.50	8.77	7.50	8.78
	High	11.50	8.47	9.50	8.52
WCDMA 1700	Low				
	Mid				
	High				
WCDMA 1900	Low	22.00	23.17	17.00	19.90
	Mid	22.00	24.89	16.50	17.11
	High	22.00	24.98	19.50	17.23
WCDMA 2100	Low	21.50	21.64	20.50	17.98
	Mid	20.00	22.60	20.00	18.59
	High	21.00	22.80	17.00	19.78

## Go/NoGo Testing

### 1.3.3 Loss Values – Antenna Coupler CMW-Z11, E5303, E5306 and E5333

Band	Channel	Attenuation E5303 and E5333		Attenuation E5306	
		Rx	Tx	Rx	Tx
GSM 850	Low	10.00	8.75	11.00	7.79
	Mid	8.00	9.15	9.00	9.60
	High	8.00	9.83	9.00	11.55
GSM 900	Low	13.00	9.48	16.00	11.83
	Mid	13.00	9.31	15.00	11.58
	High	13.00	10.59	16.00	12.90
GSM 1800	Low	14.00	15.69	15.00	15.85
	Mid	15.00	14.16	16.00	15.00
	High	14.00	12.72	15.00	14.77
GSM 1900	Low	14.00	14.61	16.00	15.56
	Mid	12.00	14.56	15.00	15.85
	High	11.00	15.61	14.00	17.16
WCDMA 850	Low	9.00	9.39	10.00	9.97
	Mid	10.00	10.31	11.00	11.25
	High	10.00	11.55	11.00	12.92
WCDMA 900	Low	14.00	10.72	16.00	12.86
	Mid	14.00	10.82	15.00	12.84
	High	13.00	11.76	16.00	13.87
WCDMA 1700	Low			17.00	18.00
	Mid			13.00	17.54
	High			18.00	17.00
WCDMA 1900	Low	14.00	14.82	17.00	15.92
	Mid	12.00	14.66	15.00	15.50
	High	12.00	16.54	15.00	17.12
WCDMA 2100	Low	13.00	16.84	17.00	18.00
	Mid	12.00	16.00	16.00	19.14
	High	13.00	15.94	15.00	18.70
LTE Band 1	Low	12.00	15.48		
	Mid	12.00	16.00		
	High	13.00	14.06		

## Go/NoGo Testing

Band	Channel	Attenuation E5303 and E5333		Attenuation E5306	
		Rx	Tx	Rx	Tx
LTE Band 2	Low			16.00	17.30
	Mid			15.00	15.50
	High			16.00	16.70
LTE Band 3	Low	14.00	15.09		
	Mid	14.00	14.85		
	High	13.00	14.13		
LTE Band 4	Low			15.00	17.00
	Mid			12.00	17.00
	High			16.00	16.60
LTE Band 5	Low	9.00	8.39	11.00	9.90
	Mid	9.00	8.97	10.00	12.00
	High	8.00	10.47	10.00	13.00
LTE Band 7	Low	12.00	14.87	14.00	16.30
	Mid	14.00	14.42	17.00	16.30
	High	15.00	13.54	18.00	15.80
LTE Band 8	Low	13.00	9.31		
	Mid	13.00	9.12		
	High	13.00	10.57		
LTE Band 12	Low			8.00	9.74
	Mid			8.00	10.10
	High			8.00	10.10
LTE Band 13	Low			10.00	6.76
	Mid			10.00	6.76
	High			10.00	6.76
LTE Band 17	Low			8.00	9.59
	Mid			8.00	9.55
	High			8.00	9.50
LTE Band 20	Low	8.00	8.96		
	Mid	8.00	10.00		
	High	8.00	10.57		



## Go/NoGo Testing

### 1.3.4 Loss Values – Antenna Coupler CMW-Z11, E5343, E5353 and E5363

Band	Channel	Attenuation E5343		Attenuation E5353 and E5363	
		Rx	Tx	Rx	Tx
GSM 850	Low	12.00	7.84	10.00	7.80
	Mid	10.40	9.79	9.00	9.60
	High	11.00	11.61	10.00	11.48
GSM 900	Low	17.00	11.60	15.00	11.43
	Mid	15.00	11.23	14.00	11.27
	High	16.00	12.49	15.00	12.60
GSM 1800	Low	16.00	15.28	14.00	15.33
	Mid	17.00	14.48	15.00	14.00
	High	17.00	14.64	15.00	13.00
GSM 1900	Low	17.00	15.25	16.00	15.44
	Mid	16.00	15.48	15.00	15.85
	High	14.00	16.77	14.00	16.87
WCDMA 850	Low	10.40	9.55	10.00	9.40
	Mid	10.40	10.81	10.00	11.21
	High	11.00	12.40	11.00	12.88
WCDMA 900	Low	12.00	12.04	15.00	12.62
	Mid	16.00	11.98	15.00	12.63
	High	15.00	12.90	15.00	13.58
WCDMA 1900	Low	17.00	14.94	16.00	15.65
	Mid	15.00	15.00	15.00	15.53
	High	15.00	16.30	14.00	17.05
WCDMA 2100	Low	17.00	17.08	16.00	17.50
	Mid	15.00	18.36	15.00	18.30
	High	15.00	17.76	14.00	18.02

## Go/NoGo Testing

Band	Channel	Attenuation E5343		Attenuation E5353 and E5363	
		Rx	Tx	Rx	Tx
LTE Band 1	Low			15.00	17.40
	Mid			15.00	18.30
	High			14.00	17.30
LTE Band 2	Low	16.00	17.26		
	Mid	15.00	15.00		
	High	15.00	15.80		
LTE Band 3	Low			14.00	15.50
	Mid			16.00	15.10
	High			16.00	15.00
LTE Band 4	Low	17.00	16.70		
	Mid	13.00	16.34		
	High	17.00	16.10		
LTE Band 5	Low	13.00	10.00		
	Mid	12.00	10.90		
	High	13.00	12.00		
LTE Band 7	Low	14.00	16.20	14.00	15.60
	Mid	17.00	15.42	16.00	15.70
	High	19.00	15.20	17.00	15.60
LTE Band 8	Low			15.00	12.00
	Mid			15.00	11.80
	High			15.00	12.60
LTE Band 28	Low	10.00	8.69	7.00	8.90
	Mid	10.00	8.30	7.00	8.60
	High	10.00	9.00	7.00	9.50
LTE Band 40	Low			14.00	13.70
	Mid			14.00	13.40
	High			12.00	12.20

## 2 Revision History

Rev.	Date	Changes / Comments
1	2015-04-17	Initial release