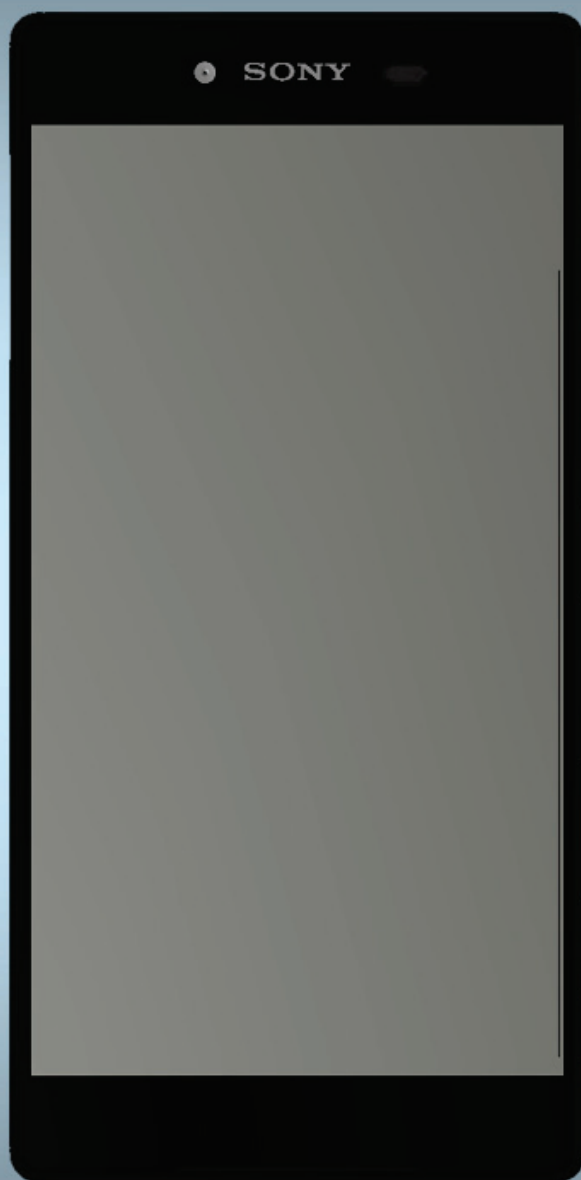


Go/No Go Test



*Xperia™ Z5
Premium
E6853*

*Xperia™ Z5
Premium Dual
E6833, E6883*

CONTENTS

1 Go/No Go Testing 3

1.1 Antenna Coupler E6833, E6853 and E6883 3

1.2 Antenna Coupler E6833 E6853 and E6883 all bands 3

1.3 Attenuation Factors 5

1.3.1 Loss Values – Antenna Coupler CMU-Z11, E6853 5

1.3.2 Loss Values – Antenna Coupler CMU-Z11, E6833 and E6883 6

1.3.3 Loss Values – Antenna Coupler CMW-Z11 E6833, E6853 and E6883 7

2 Revision History 9

E6833 no LTE is implemented in SERPII.

E6853 no LTE is implemented in SERPII.

E6883 no LTE is implemented in SERPII.

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 E6833, E6853 and E6883

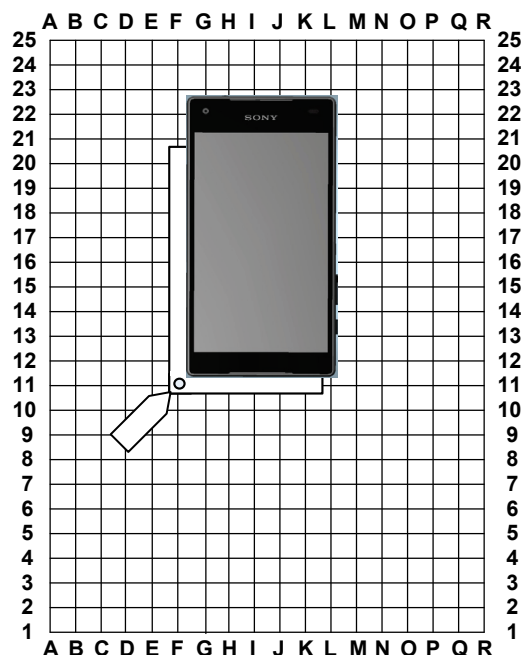
The following equipment has to be used:

- 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 E6833 E6853 and E6883 all bands

The following equipment has to be used:

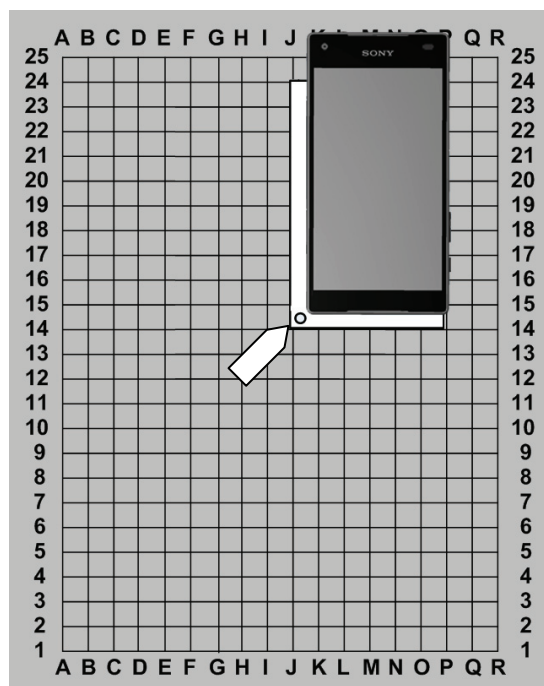
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box CMW-Z11
 - Rohde & Schwartz RF Coupler
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Nano USIM Card, instrument specific

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 **J14** 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 3 variants E6833, E6853 and E6883 including the following bands:

E6833:

GSM- 850 / 900 / 1800 / 1900

WCDMA- 850 / 900 / 1700 / 1900 / 2100

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

not to be tested in SERPII.

E6853:

GSM- 850 / 900 / 1800 / 1900

WCDMA- 850 / 900 / 1900 / 2100

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

not to be tested in SERPII.

E6883:

GSM- 850 / 900 / 1800 / 1900

WCDMA- 850 / 900 / 1700 / 1900 / 2100

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

not to be tested in SERPII.

Go/NoGo Testing

1.3 Attenuation Factors

The attenuation values listed below in 1.3.1 to 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, E6853

Band	Channel	Attenuation E6853	
		Rx	Tx
GSM 850	Low	9.50	13.75
	Mid	10.00	11.13
	High	9.00	10.41
GSM 900	Low	8.00	7.34
	Mid	9.00	7.03
	High	13.00	8.36
GSM 1800	Low	13.00	13.24
	Mid	10.00	13.80
	High	9.00	13.74
GSM 1900	Low	13.50	9.47
	Mid	15.00	10.49
	High	16.00	11.12
WCDMA 850	Low	5.50	10.78
	Mid	6.50	9.78
	High	7.50	9.19
WCDMA 900	Low	7.50	6.37
	Mid	9.00	7.57
	High	11.50	7.39
WCDMA 1900	Low	11.00	8.77
	Mid	13.50	8.64
	High	15.00	8.47
WCDMA 2100	Low	15.50	9.65
	Mid	14.00	11.36
	High	14.00	12.75

Go/NoGo Testing

1.3.2 Loss Values – Antenna Coupler CMU-Z11, E6833 and E6883

Band	Channel	Attenuation E6833		Attenuation E6883	
		Rx	Tx	Rx	Tx
GSM 850	Low	9.50	13.75	9.50	13.75
	Mid	10.00	11.13	10.00	11.13
	High	9.00	10.41	9.00	10.41
GSM 900	Low	8.00	7.34	8.00	7.34
	Mid	9.00	7.03	9.00	7.03
	High	13.00	8.36	13.00	8.36
GSM 1800	Low	13.00	13.24	13.00	13.24
	Mid	10.00	13.80	10.00	13.80
	High	9.00	13.74	9.00	13.74
GSM 1900	Low	13.50	9.47	13.50	9.47
	Mid	15.00	10.49	15.00	10.49
	High	16.00	11.12	16.00	11.12
WCDMA 850	Low	5.50	10.78	5.50	10.78
	Mid	6.50	9.78	6.50	9.78
	High	7.50	9.19	7.50	9.19
WCDMA 900	Low	7.50	6.37	7.50	6.37
	Mid	9.00	7.57	9.00	7.57
	High	11.50	7.39	11.50	7.39
WCDMA1700	Low	14.50	13.52	14.50	13.52
	Mid	14.00	13.03	14.00	13.03
	High	14.00	13.35	14.00	13.35
WCDMA 1900	Low	11.00	8.77	11.00	8.77
	Mid	13.50	8.64	13.50	8.64
	High	15.00	8.47	15.00	8.47
WCDMA 2100	Low	15.50	9.65	15.50	9.65
	Mid	14.00	11.36	14.00	11.36
	High	14.00	12.75	14.00	12.75

Go/NoGo Testing

1.3.3 Loss Values – Antenna Coupler CMW-Z11 E6833, E6853 and E6883

Band	Channel	Attenuation E6833		Attenuation E6853		Attenuation E6883	
		Rx	Tx	Rx	Tx	Rx	Tx
GSM 850	Low	10.00	10.36	13.00	9.08	10.00	10.36
	Mid	10.00	11.36	13.00	10.04	10.00	11.36
	High	9.00	11.95	12.00	12.00	9.00	11.95
GSM 900	Low	10.00	8.31	12.00	11.12	10.00	8.31
	Mid	13.00	8.13	17.00	10.76	13.00	8.13
	High	14.00	8.69	17.00	10.87	14.00	8.69
GSM 1800	Low	12.00	9.49	11.00	15.43	12.00	9.49
	Mid	12.00	10.24	11.00	13.23	12.00	10.24
	High	14.00	11.45	12.00	11.29	14.00	11.45
GSM 1900	Low	12.00	13.25	11.00	11.17	12.00	13.25
	Mid	12.00	14.08	11.00	12.19	12.00	14.08
	High	13.80	12.77	13.00	11.17	13.80	12.77
WCDMA 850	Low	12.00	8.20	15.00	7.60	12.00	8.20
	Mid	12.00	8.70	15.00	8.10	12.00	8.70
	High	11.00	9.31	15.00	9.40	11.00	9.31
WCDMA 900	Low	12.00	6.60	16.00	6.80	12.00	6.60
	Mid	15.00	6.10	19.00	6.10	15.00	6.10
	High	16.00	6.74	21.00	6.60	16.00	6.74
WCDMA 1700	Low	17.00	9.00			17.00	9.00
	Mid	17.00	9.90			17.00	9.90
	High	19.00	10.00			19.00	10.00
WCDMA 1900	Low	14.00	12.88	13.00	10.30	14.00	12.88
	Mid	15.00	11.50	13.00	14.50	15.00	11.50
	High	17.00	11.40	15.00	10.90	17.00	11.40
WCDMA 2100	Low	16.00	10.80	16.00	9.80	16.00	10.80
	Mid	19.00	10.00	16.00	10.00	19.00	10.00
	High	18.00	12.90	17.00	10.40	18.00	12.90
LTE Band 1	Low	15.00	12.60	15.00	11.10	15.00	12.60
	Mid	16.00	12.90	16.00	10.00	16.00	12.90
	High	16.00	14.10	16.00	12.50	16.00	14.10
LTE Band 2	Low	13.00	13.80	11.00	15.40	13.00	13.80
	Mid	13.00	14.20	13.00	14.50	13.00	14.20
	High	15.00	14.20	13.00	14.20	15.00	14.20
LTE Band 3	Low	12.00	13.00	12.00	15.00	12.00	10.90
	Mid	13.00	11.50	12.00	14.50	13.00	11.50
	High	15.00	12.50	12.00	13.40	15.00	12.50

Go/NoGo Testing

Band	Channel	Attenuation E6833		Attenuation E6853		Attenuation E6883	
		Rx	Tx	Rx	Tx	Rx	Tx
LTE Band 4	Low	15.00	13.00	15.00	15.00	15.00	11.40
	Mid	15.00	11.80	15.00	15.40	15.00	11.80
	High	17.00	11.70	17.00	14.60	17.00	11.70
LTE Band 5	Low	9.00	10.60	13.00	10.00	9.00	10.60
	Mid	10.00	11.20	13.00	10.90	10.00	11.20
	High	8.00	11.20	12.00	11.40	8.00	11.20
LTE Band 7	Low	13.00	18.30	15.00	18.50	13.00	21.30
	Mid	14.00	17.90	14.00	18.10	14.00	17.90
	High	14.00	15.70	14.00	17.50	14.00	18.70
LTE Band 8	Low	11.00	8.70	15.00	8.50	11.00	8.70
	Mid	13.00	8.40	18.00	8.30	13.00	8.40
	High	15.00	8.30	19.00	8.10	15.00	8.30
LTE Band 12	Low	9.00	8.00	10.00	10.00	9.00	8.00
	Mid	9.00	8.00	10.00	10.00	9.00	8.00
	High	9.00	8.00	10.00	10.00	9.00	8.00
LTE Band 17	Low	8.00	8.00	10.00	10.00	8.00	8.00
	Mid	9.00	8.00	10.00	10.00	9.00	8.00
	High	9.00	8.00	10.00	10.00	9.00	8.00
LTE Band 20	Low	10.00	10.50	10.00	11.00	10.00	10.50
	Mid	9.00	11.00	9.00	11.50	9.00	11.00
	High	9.00	10.50	9.00	13.10	9.00	10.50
LTE Band 28	Low			14.00	10.50		
	Mid			11.00	10.60		
	High			9.00	10.60		
LTE Band 38	Low			15.00	14.90	15.00	15.30
	Mid			14.00	14.50	14.00	14.00
	High			15.00	13.90	15.00	13.60
LTE Band 39	Low					14.00	14.00
	Mid					14.00	13.20
	High					14.00	12.90
LTE Band 40	Low			18.00	16.40	25.00	23.00
	Mid			18.00	16.10	24.00	23.20
	High			18.00	16.80	26.00	25.00
LTE Band 41	Low					19.00	20.00
	Mid					15.00	14.50
	High					13.00	12.90

2 Revision History

Rev.	Date	Changes / Comments
1	2015-10-30	Initial release