

Go/No Go Test



Xperia™ Z3

D6633 , L55t , L55u, D6683

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D6633 no LTE bands is implemented in SERPII.
L55t no TD-SCDMA, no LTE bands is implemented in SERPII.
L55t only TD-SCDMA bands is implemented in Sony Lector.
L55u no LTE bands is implemented in SERPII.
D6633 L55t L55u no TD-SCDMA bands is implemented in CMWrun
D6683 no LTE bands is implemented in SERPII.

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 D6633, L55t, L55u and D6683 no LTE

The following equipment has to be used:

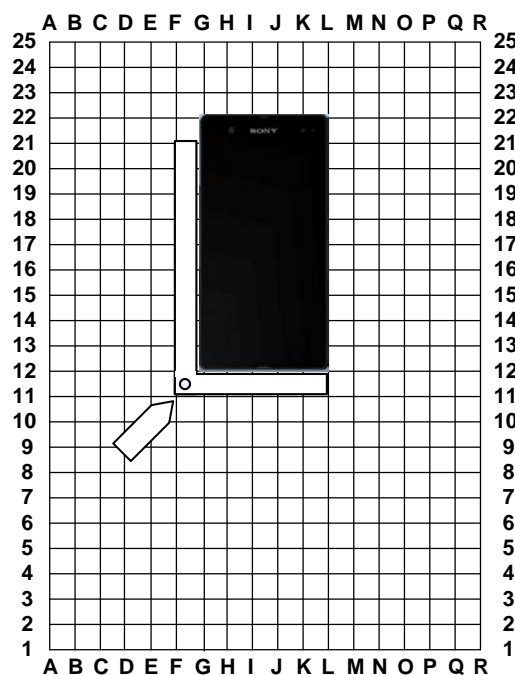
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box CMU-Z11
 - Rohde & Schwartz RF Coupler
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

TD-SCDMA-BAND 34/39

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 D6633 L55t L55u no TD-SCDMA

The following equipment has to be used:

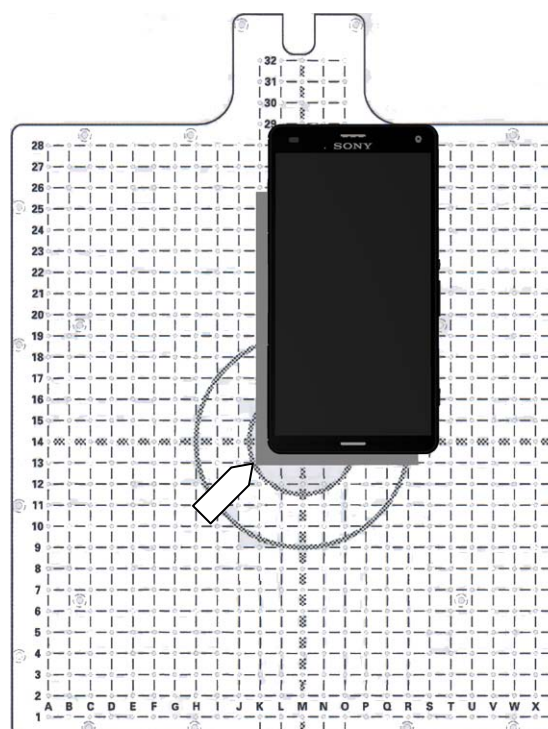
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box
 - Rohde & Schwartz RF Coupler CMW-Z11
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Nano USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

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

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 4 versions, D6633, L55t, L55u and D6683 including the following bands:

D6633:

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

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

Not to be tested in SERP only in CMWrun

L55t:

GSM-850/900/1800/1900

WCDMA-850/900/1900/2100

LTE Band 1/3/7/38/39/40/41

Not to be tested in SERP only in CMWrun

TD-SCDMA-Band 34/39

Not to be tested in SERP only in Sony Lector

L55u:

GSM-850/900/1800/1900

WCDMA-850/900/1900/2100

LTE Band 1/3/7/38/39/40/41

Not to be tested in SERP only in CMWrun

D6683:

GSM-850/900/1800/1900

WCDMA-850/900/1900/2100

LTE Band 1/3/7/38/39/40/41

Not to be tested in SERP

1.3 Attenuation Factors

The attenuation values listed below in 1.3.1 and 13.2 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 D6633		Attenuation L55t		Attenuation L55u and D6683	
		Rx	Tx	Rx	Tx	Rx	Tx
GSM 850	Low	6.50	10.29	6.50	10.29	6.50	15.29
	Mid	7.50	8.38	7.50	8.38	7.50	13.38
	High	7.00	7.49	7.00	7.49	7.00	12.49
GSM 900	Low	7.00	9.09	7.00	9.09	7.00	9.09
	Mid	8.00	6.90	8.00	6.90	8.00	6.90
	High	10.00	6.30	10.00	6.30	10.00	6.30
GSM 1800	Low	14.00	14.83	14.00	14.83	14.00	14.83
	Mid	12.00	14.55	12.00	14.55	12.00	14.55
	High	11.00	14.05	11.00	14.05	11.00	14.05
GSM 1900	Low	12.00	10.60	12.00	10.60	12.00	10.60
	Mid	14.00	10.75	14.00	10.75	14.00	10.75
	High	15.00	10.92	15.00	10.92	15.00	10.92
WCDMA 850	Low	7.50	10.51	7.50	10.51	7.50	14.51
	Mid	7.00	10.18	7.00	10.18	7.00	14.18
	High	7.00	9.30	7.00	9.30	7.00	13.30
WCDMA 900	Low	7.50	7.50	7.50	7.50	7.50	7.50
	Mid	9.00	6.88	9.00	6.88	9.00	6.88
	High	9.50	6.65	9.50	6.65	9.50	6.65
WCDMA 1700	Low	19.00	14.99				
	Mid	17.50	14.96				
	High	21.50	14.24				
WCDMA 1900	Low	13.00	11.80	13.00	11.80	13.00	11.80
	Mid	13.50	10.96	13.50	10.96	13.50	10.96
	High	14.00	11.03	14.00	11.03	14.00	11.03
WCDMA 2100	Low	17.00	10.56	17.00	10.56	17.00	10.56
	Mid	18.50	11.17	18.50	11.17	18.50	11.17
	High	21.00	12.49	21.00	12.49	21.00	12.49
TD-SCDMA 34				16.00	15.80		
				16.00	15.40		
				16.00	15.80		
TD-SCDMA 39				16.00	15.30		
				16.00	15.10		
				16.00	16.00		

Go/NoGo Testing

1.3.2 Loss Values – Antenna Coupler CMW-Z11

Band	Channel	Attenuation D6633		Attenuation L55t		Attenuation L55u	
		Rx	Tx	Rx	Tx	Rx	Tx
GSM 850	Low	10.00	8.80	10.00	7.30	10.00	7.30
	Mid	10.00	9.00	10.00	7.60	10.00	7.60
	High	9.00	9.50	7.00	9.10	7.00	9.10
GSM 900	Low	10.00	8.70	10.00	9.30	10.00	9.30
	Mid	13.00	6.30	12.00	7.60	12.00	7.60
	High	12.00	6.80	10.00	8.00	10.00	8.00
GSM 1800	Low	13.00	10.00	12.00	9.00	12.00	9.00
	Mid	14.00	12.20	13.00	11.00	13.00	11.00
	High	13.00	12.00	13.00	10.00	13.00	10.00
GSM 1900	Low	12.00	11.50	12.00	11.30	12.00	11.30
	Mid	8.00	11.50	13.00	12.80	13.00	12.80
	High	13.00	10.20	14.00	12.20	14.00	12.20
WCDMA 850	Low	11.00	7.80	11.00	7.60	11.00	7.60
	Mid	11.00	8.50	10.00	8.60	10.00	8.60
	High	11.00	9.50	9.00	9.70	9.00	9.70
WCDMA 900	Low	12.00	6.37	11.00	6.40	11.00	6.40
	Mid	14.00	6.00	12.00	6.20	12.00	6.20
	High	13.00	5.80	12.00	6.40	12.00	6.40
WCDMA 1700	Low	14.00	7.60				
	Mid	16.00	8.20				
	High	14.00	8.60				
WCDMA 1900	Low	13.00	13.23	14.00	11.70	14.00	11.70
	Mid	14.00	13.30	16.00	12.50	16.00	12.50
	High	16.00	11.20	16.00	11.60	16.00	11.60
WCDMA 2100	Low	14.00	9.07	14.00	10.20	14.00	10.20
	Mid	14.00	12.00	14.00	10.80	14.00	10.80
	High	12.00	12.20	13.00	11.80	13.00	11.80
LTE Band 1	Low	11.00	10.57	12.00	11.60	12.00	11.60
	Mid	14.00	12.00	12.00	12.20	12.00	12.20
	High	11.00	13.67	11.00	12.80	11.00	12.80
LTE Band 2	Low	11.00	13.93				
	Mid	14.00	13.30				
	High	15.00	11.37				

Go/NoGo Testing

Band	Channel	Attenuation D6633		Attenuation L55t		Attenuation L55u	
		Rx	Tx	Rx	Tx	Rx	Tx
LTE Band 3	Low	13.00	12.00	12.00	9.80	12.00	9.80
	Mid	14.00	13.67	12.00	11.00	12.00	11.00
	High	13.00	13.27	14.00	11.20	14.00	11.20
LTE Band 4	Low	11.00	12.00				
	Mid	13.00	13.50				
	High	13.00	14.40				
LTE Band 5	Low	9.00	8.50				
	Mid	9.00	9.10				
	High	8.00	9.73				
LTE Band 7	Low	13.00	12.23	14.00	12.00	14.00	12.00
	Mid	14.00	12.03	16.00	11.90	16.00	11.90
	High	17.00	12.37	18.00	12.20	18.00	12.20
LTE Band 8	Low	11.00	8.90				
	Mid	13.00	8.60				
	High	12.00	8.63				
LTE Band 17	Low	8.00	7.90				
	Mid	8.00	7.90				
	High	8.00	7.87				
LTE Band 20	Low	7.00	8.80				
	Mid	7.00	9.57				
	High	7.00	9.83				
LTE Band 38	Low			13.00	12.50	13.00	12.50
	Mid			13.00	13.20	13.00	13.20
	High			14.00	14.00	14.00	14.00
LTE Band 39	Low			14.00	14.00	14.00	14.00
	Mid			13.00	13.30	13.00	13.30
	High			12.00	12.80	12.00	12.80
LTE Band 40	Low			11.00	10.50	11.00	10.50
	Mid			10.00	10.10	10.00	10.10
	High			13.00	10.40	13.00	10.40
LTE Band 41	Low			12.00	12.40	12.00	12.40
	Mid			13.00	13.40	13.00	13.40
	High			18.00	19.20	18.00	19.20

2 Revision History

Rev.	Date	Changes / Comments
1	2014-09-17	Initial release
2	2014-09-25	Added D6633 L55t L55u to CMWrun
3	2015-05-01	Added D6683 to SERPII.