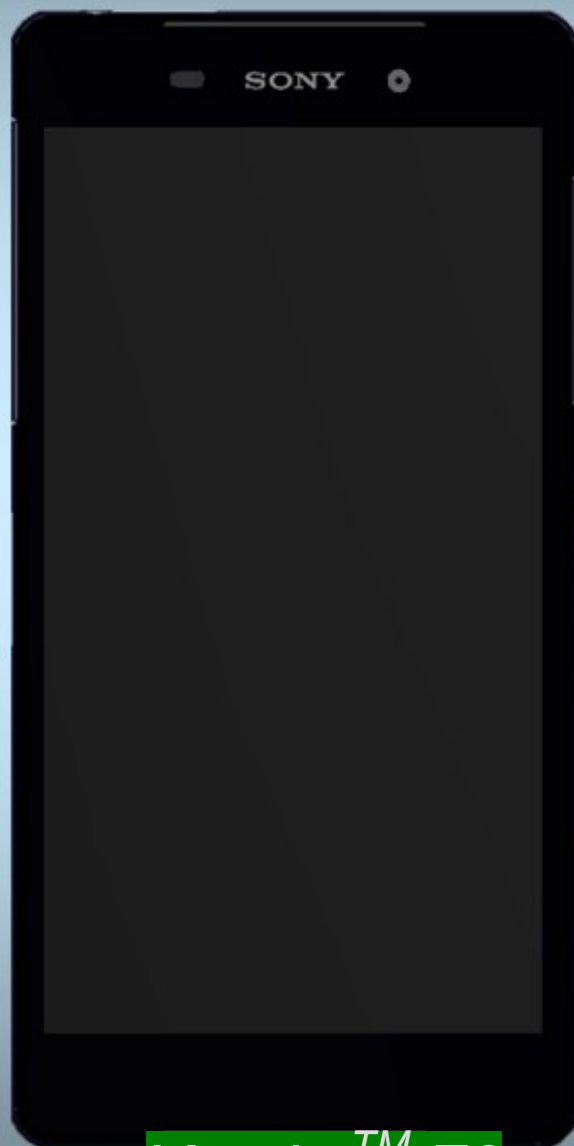


Go/No Go Test



Xperia™ Z2
L50t / L50u

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L50t no TD-SCDMA, no LTE bands is implemented in SERPII.

L50t only TD-SCDMA bands is implemented in Sony Lector.

L50t & L50u no TD-SCDMA is implemented in CMWrun.

L50u 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 L50t and L50u no LTE

The following equipment has to be used:

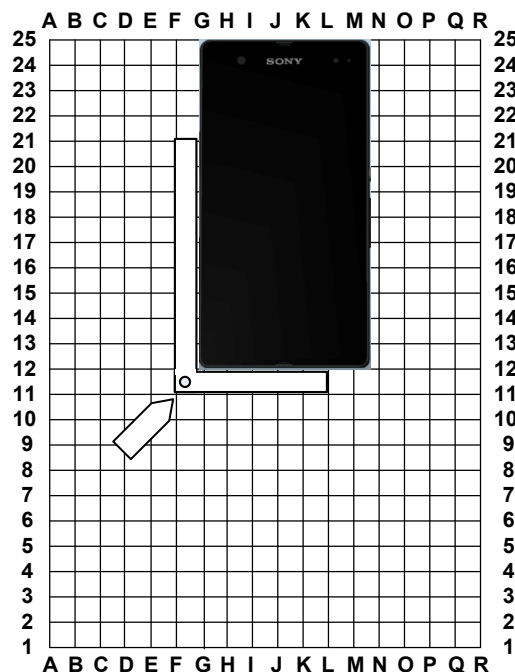
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box CMU-Z11
 - Rohde & Schwartz RF Coupler
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

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 L50t L50u no TD-SCDMA

The following equipment has to be used:

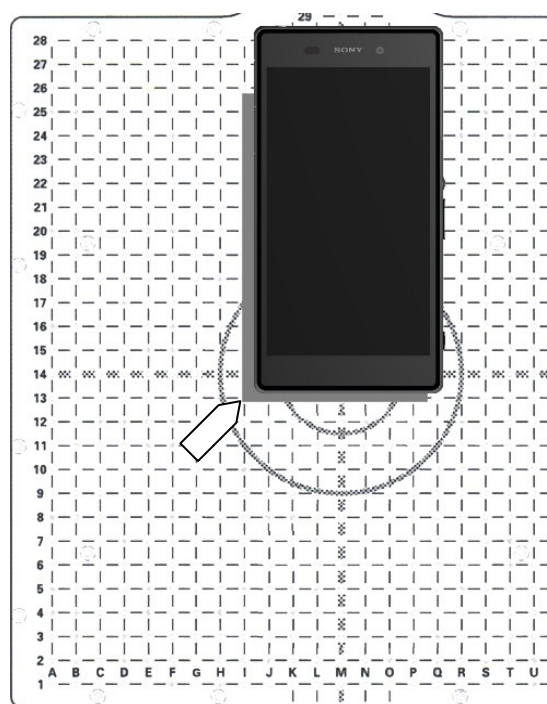
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box
 - Rohde & Schwartz RF Coupler CMW-Z11
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1900/2100

LTE-BAND 1/3/7/38/39/40/41

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 2 versions, L50t and L50u including the following bands:

L50t:

GSM-850/900/1800/1900

WCDMA-850/1900 /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

L50u:

GSM-850/900/1800/1900

WCDMA-900/1900 /2100

LTE Band 1/3/7/38/39/40/41 **Not to be tested in SERP**

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

Band	Channel	Attenuation L50t		Attenuation L50u	
		Rx	Tx	Rx	Tx
GSM 850	Low	6.00	10.05	6.00	10.05
	Mid	6.00	8.45	6.00	8.45
	High	5.50	7.13	5.50	7.13
GSM 900	Low	4.00	6.98	4.00	6.98
	Mid	4.00	8.67	4.00	8.67
	High	3.00	8.53	3.00	8.53
GSM 1800	Low	22.00	23.10	22.00	23.10
	Mid	18.00	21.77	18.00	21.77
	High	17.00	22.24	17.00	22.24
GSM 1900	Low	26.00	21.59	26.00	21.59
	Mid	23.00	23.22	23.00	23.22
	High	23.00	26.86	23.00	26.86
WCDMA 850	Low	6.50	10.49	6.50	10.49
	Mid	7.00	9.75	7.00	9.75
	High	7.00	8.99	7.00	8.99
WCDMA 1900	Low	11.00	14.43	11.00	14.43
	Mid	12.00	11.45	12.00	11.45
	High	14.00	10.35	14.00	10.35
WCDMA 2100	Low	12.00	11.21	12.00	11.21
	Mid	11.50	11.43	11.50	11.43
	High	12.00	12.58	12.00	12.58
TD-SCDMA 34	Low	15.00	16.88		
	Mid	15.00	16.46		
	High	15.00	16.98		
TD-SCDMA 39	Low	15.00	15.38		
	Mid	15.00	15.67		
	High	15.00	15.63		

Go/NoGo Testing

1.3.2 Loss Values – Antenna Coupler CMW-Z11

Band	Channel	Attenuation L50t		Attenuation L50u	
		Rx	Tx	Rx	Tx
GSM 850	Low	24.00	14.60	21.00	14.30
	Mid	23.00	13.60	22.00	13.00
	High	19.00	14.80	19.00	14.20
GSM 900	Low	11.00	22.00	11.00	22.00
	Mid	13.00	17.30	13.00	18.00
	High	17.00	15.00	17.00	14.80
GSM 1800	Low	14.00	13.80	15.00	14.00
	Mid	14.00	11.00	14.00	10.70
	High	15.00	9.50	12.00	9.50
GSM 1900	Low	14.00	11.00	14.00	11.80
	Mid	15.00	13.15	15.00	13.10
	High	17.00	14.70	18.00	14.20
WCDMA 850	Low	22.00	22.9		
	Mid	23.00	22.7		
	High	20.00	21.5		
WCDMA 900	Low			16.00	19.20
	Mid			16.00	15.60
	High			18.00	19.00
WCDMA 1900	Low	14.00	27.5	13.00	12.00
	Mid	13.00	27.9	12.00	12.00
	High	12.00	27.5	12.00	10.70
WCDMA 2100	Low	12.00	10.20	12.00	9.60
	Mid	13.00	12.00	12.00	12.00
	High	13.00	15.50	13.00	15.50
LTE BAND 1	Low	11.00	13.00	19.00	11.40
	Mid	13.00	12.00	12.00	12.00
	High	12.00	11.10	12.00	11.00
LTE BAND 3	Low	13.00	20.00	13.00	22.10
	Mid	14.00	11.00	14.00	11.00
	High	13.00	10.00	14.00	10.00
LTE BAND 7	Low	19.00	15.80		
	Mid	17.00	16.00		
	High	18.00	17.60		

Go/NoGo Testing

Band	Channel	Attenuation L50t		Attenuation L50u	
		Rx	Tx	Rx	Tx
LTE BAND 38	Low	16.00	18.00		
	Mid	16.00	19.00		
	High	15.00	19.00		
LTE BAND 39	Low	13.00	10.00		
	Mid	13.00	10.00		
	High	12.00	13.40		
LTE BAND 40	Low	15.00	14.20		
	Mid	15.00	17.00		
	High	16.00	14.60		
LTE BAND 41	Low	14.00	15.50	14.00	15.00
	Mid	16.00	18.60	16.00	18.10
	High	18.00	18.00	14.00	15.20

2 Revision History

Rev.	Date	Changes / Comments
1	2014-04-15	Initial release
2	2014-04-27	L50u added
3	2014-05-05	L50u no TD-SCDMA test added