

Go/No Go Test - electrical -



**Xperia™ V
LT25i**



**Xperia™ VC
LT25c**

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LT25i is ONLY implemented in CMWrun.

LT25c is ONLY implemented in SERPII.

1 Go/No Go Testing

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 LT25i:

The following equipment has to be used:

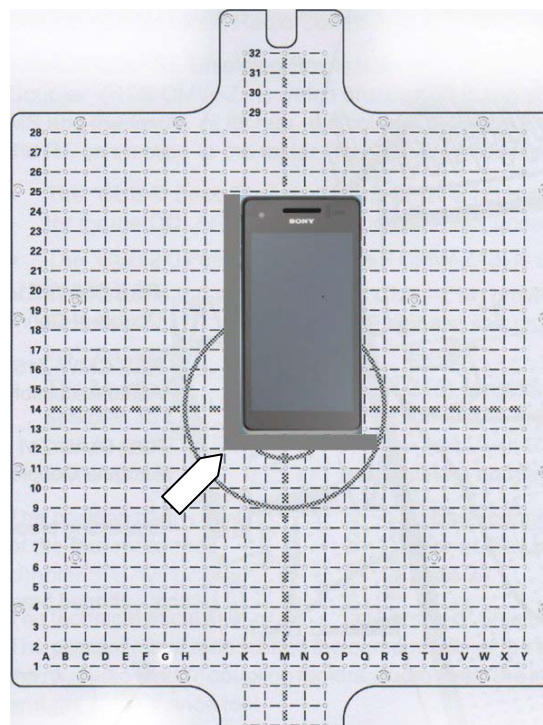
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box
 - Rohde & Schwartz RF Coupler
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/2100

LTE BAND-1/3/5/7/20

Put the grid positioning holder with its reference point in position **J12** and place the phone as shown in the adjacent picture.



1.2 Antenna Coupler LT25c:

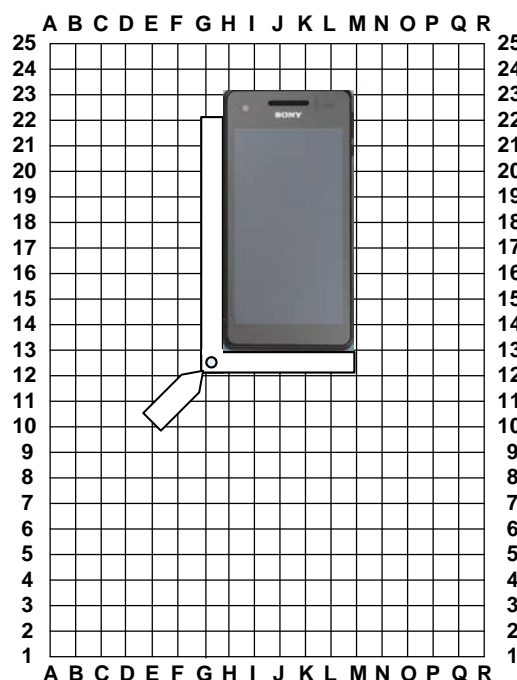
The following equipment has to be used:

- 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 for GSM.
- Micro UICC Card, R&S CMW-Z04 for CDMA

GSM-850/900/1800/1900

CDMA-800/1900

Put the grid positioning holder with its reference point in position **G12** 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 two versions, LT25i and LT25c, including the following bands:

LT25i:

GSM-850/900/1800/1900

WCDMA-850/900/2100

LTE-Band-1/3/5/7/20

LT25c:

GSM-850/900/1800/1900

CDMA-800/1900

Go/NoGo Testing

1.3 Attenuation Factors

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

1.3.1 Loss Values – Antenna Coupler CMW-Z11

| Band | Channel | Attenuation LT25i | |
|------------|---------|----------------------|-------|
| | | Rx | Tx |
| GSM 850 | Low | 8.00 | 4.27 |
| | Mid | 8.00 | 5.59 |
| | High | 8.00 | 5.33 |
| GSM 900 | Low | 7.00 | 6.5 |
| | Mid | 9.00 | 6.35 |
| | High | 7.00 | 6.41 |
| GSM 1800 | Low | 12.00 | 12.55 |
| | Mid | 10.00 | 13.4 |
| | High | 15.00 | 11.72 |
| GSM 1900 | Low | 7.00 | 9.58 |
| | Mid | 11.00 | 12.12 |
| | High | 12.00 | 12.53 |
| WCDMA 850 | Low | 10.00 | 5.99 |
| | Mid | 10.00 | 6.3 |
| | High | 10.00 | 7.18 |
| WCDMA 900 | Low | 15.00 | 5.18 |
| | Mid | 15.00 | 5.83 |
| | High | 15.00 | 6.8 |
| WCDMA 2100 | Low | 17.00 | 12.88 |
| | Mid | 19.00 | 11.57 |
| | High | 19.00 | 10.95 |
| LTE BAND 1 | Low | 16.00 | 14.71 |
| | Mid | 17.00 | 13.52 |
| | High | 19.00 | 13.21 |
| LTE BAND 3 | Low | 14.00 | 14.87 |
| | Mid | 17.00 | 14.24 |
| | High | 17.00 | 13.72 |
| LTE BAND 5 | Low | 15.00 | 9.11 |
| | Mid | 15.00 | 8.14 |
| | High | 15.00 | 9.04 |
| LTE BAND 7 | Low | 20.00 | 14.57 |

| | | | |
|-------------|------|-------|-------|
| LTE BAND 7 | Mid | 21.00 | 13.71 |
| | High | 22.00 | 14.66 |
| LTE BAND 20 | Low | 15.00 | 8.22 |
| | Mid | 15.00 | 8.76 |
| | High | 15.00 | 9.24 |

1.3.2 Loss Values – Antenna Coupler CMU-Z11

| Band | Channel | Attenuation LT25c | |
|-----------|---------|----------------------|-------|
| | | Rx | Tx |
| GSM 850 | Low | 10.00 | 12.00 |
| | Mid | 7.00 | 6.80 |
| | High | 10.00 | 11.40 |
| GSM 900 | Low | 7.00 | 7.55 |
| | Mid | 6.00 | 8.90 |
| | High | 7.00 | 7.80 |
| GSM 1800 | Low | 12.00 | 14.50 |
| | Mid | 12.00 | 11.88 |
| | High | 12.00 | 12.45 |
| GSM 1900 | Low | 11.00 | 14.89 |
| | Mid | 12.00 | 14.67 |
| | High | 12.00 | 12.98 |
| CDMA 800 | Low | 15.00 | 10.50 |
| | Mid | 15.00 | 10.50 |
| | High | 15.00 | 10.50 |
| CDMA 1900 | Low | 14.00 | 11.50 |
| | Mid | 14.00 | 11.50 |
| | High | 14.00 | 11.50 |

2 Revision History

| Rev. | Date | Changes / Comments |
|------|-------------|--|
| 1 | 2012-Nov-12 | Initial release, LT25c to be updated |
| 2 | 2012-Dec-03 | LT25c added. |
| 3 | 2013-Feb-18 | CDMA Loss Values – Antenna Coupler CMU-Z11 added |