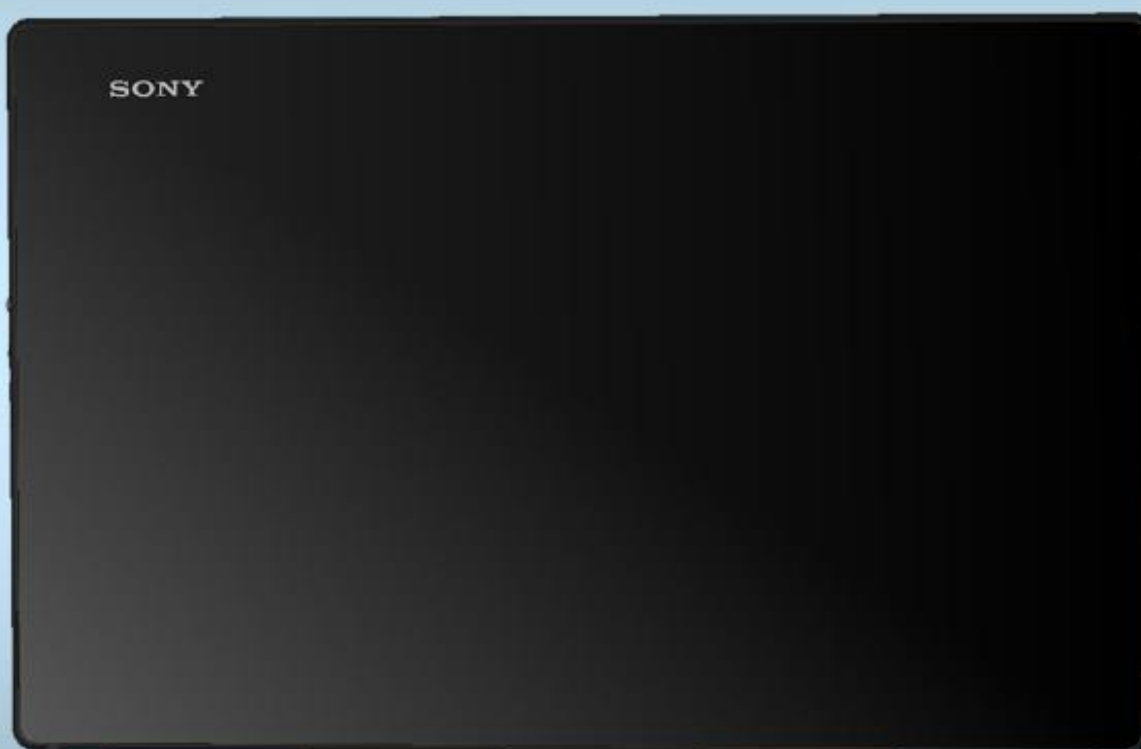


Go/No Go Test



Xperia™ Z4 Tablet
SGP771

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SGP771 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 SGP771

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

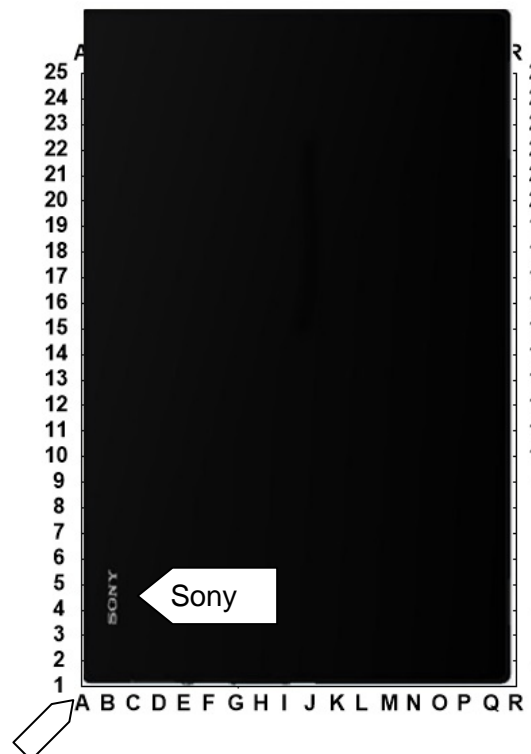
GSM-850/900/1800/1900

WCDMA-850/900/1900/2100

Place the phone as shown in the adjacent picture.

Position **A1**.

Remove RF and Data through connectors if mounted
Close lid under test.



Go/No Go Testing

1.2 Antenna Coupler SGP771

The following equipment has to be used:

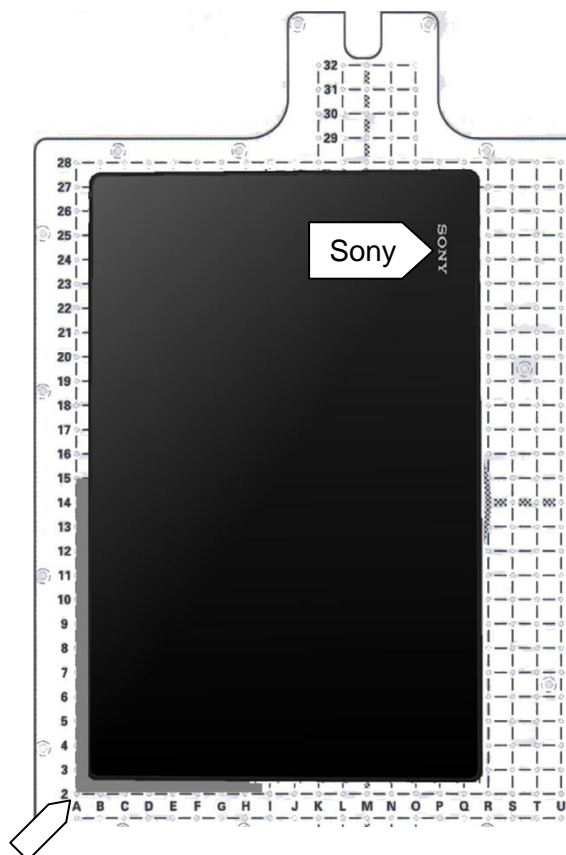
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box
 - Rohde & Schwartz RF Coupler CMW-Z11
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Nano USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1900/2100

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

Place the phone as shown in the adjacent picture.
Position **A1**.



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 1 variant, SGP771 including the following bands:

SGP771:

GSM-850/900/1800/1900

WCDMA-850/900/1900/2100

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

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: SGP771.

Band	Channel	Attenuation SGP771	
		Rx	Tx
GSM 850	Low	16.50	22.38
	Mid	15.00	17.30
	High	17.00	14.59
GSM 900	Low	26.00	15.18
	Mid	23.00	21.31
	High	28.00	32.44
GSM 1800	Low	28.00	32.44
	Mid	29.50	25.25
	High	30.00	29.36
GSM 1900	Low	28.00	39.06
	Mid	30.00	25.11
	High	30.00	23.38
WCDMA 850	Low	25.00	18.52
	Mid	28.00	18.36
	High	28.00	16.22
WCDMA 900	Low	25.00	14.46
	Mid	28.00	19.31
	High	28.00	24.41
WCDMA 1900	Low	25.50	43.93
	Mid	28.00	31.02
	High	28.00	25.00
WCDMA 2100	Low	25.00	29.76
	Mid	28.00	44.66
	High	28.50	25.52

Go/NoGo Testing: Attenuation Factors

1.3.2 Loss Values – Antenna Coupler CMW-Z11, SGP771

Band	Channel	Attenuation SGP771	
		Rx	Tx
GSM 850	Low	18.00	20.00
	Mid	18.00	23.60
	High	20.00	23.60
GSM 900	Low	29.00	19.90
	Mid	31.00	23.70
	High	32.00	28.50
GSM 1800	Low	25.00	22.40
	Mid	20.00	23.80
	High	23.00	25.90
GSM 1900	Low	24.00	27.70
	Mid	24.00	24.50
	High	24.00	25.00
WCDMA 850	Low	21.00	18.70
	Mid	20.00	21.90
	High	22.00	22.50
WCDMA 900	Low	31.00	19.40
	Mid	35.00	22.00
	High	35.00	25.40
WCDMA 1900	Low	26.00	27.20
	Mid	27.00	24.20
	High	26.00	24.50
WCDMA 2100	Low	24.00	24.00
	Mid	23.00	23.20
	High	26.00	23.20
LTE BAND 1	Low	24.00	25.50
	Mid	23.00	25.00
	High	25.00	25.00
LTE BAND 2	Low	24.00	31.80
	Mid	27.00	28.00
	High	24.00	25.70

Go/NoGo Testing: Attenuation Factors

LTE BAND 3	Low	23.00	22.60
	Mid	21.00	22.80
	High	19.00	25.20
LTE BAND 4	Low	24.00	22.60
	Mid	21.00	23.50
	High	22.00	23.60
LTE BAND 5	Low	16.00	22.00
	Mid	17.00	24.40
	High	18.00	24.70
LTE BAND 7	Low	25.00	25.30
	Mid	22.00	24.00
	High	23.00	26.10
LTE BAND 8	Low	25.00	21.70
	Mid	27.00	23.30
	High	32.00	25.60
LTE BAND 12	Low	15.00	23.60
	Mid	15.00	25.90
	High	16.00	26.40
LTE BAND 17	Low	16.00	26.20
	Mid	16.00	26.30
	High	16.00	26.20
LTE BAND 20	Low	13.00	23.50
	Mid	14.00	23.50
	High	17.00	21.40
LTE BAND 28	Low	13.00	22.6
	Mid	13.00	26.0
	High	14.00	22.4
LTE BAND 40	Low	27.00	29.90
	Mid	25.00	27.80
	High	26.00	28.10

2 Revision History

Rev.	Date	Changes / Comments
1	2015-05-13	Initial release