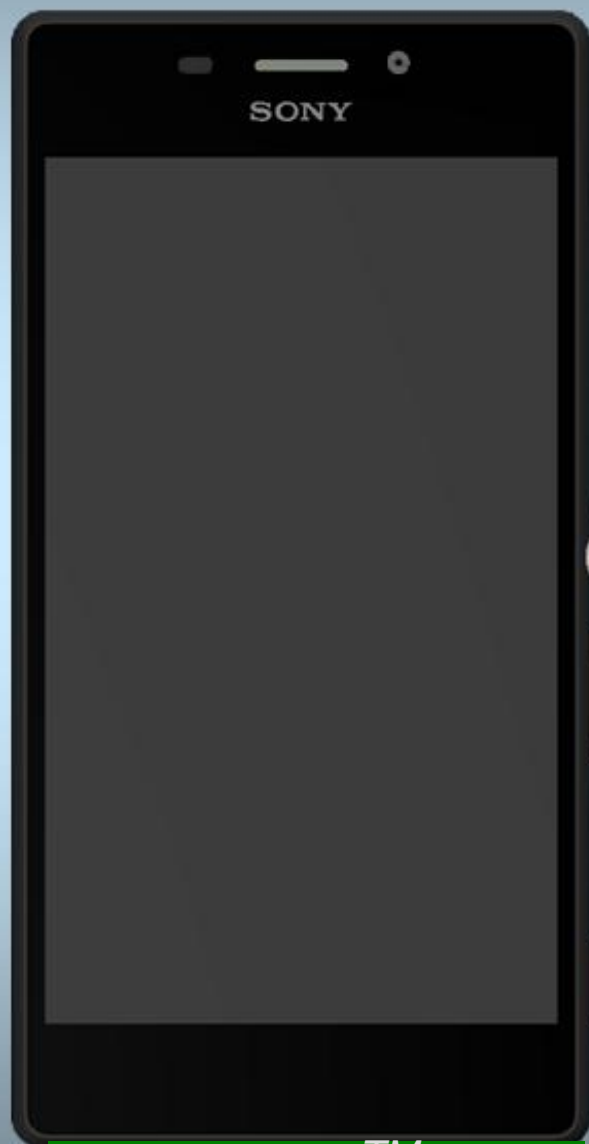


Go/No Go Test



Xperia M2™ Aqua
D2403,D2406

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D2403 no LTE is implemented in SERPII.

D2406 no LTE is implemented in SERPII.

D2403 & D2406 all bands is implemented in CMWRun

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 D2403 and D2406 no LTE

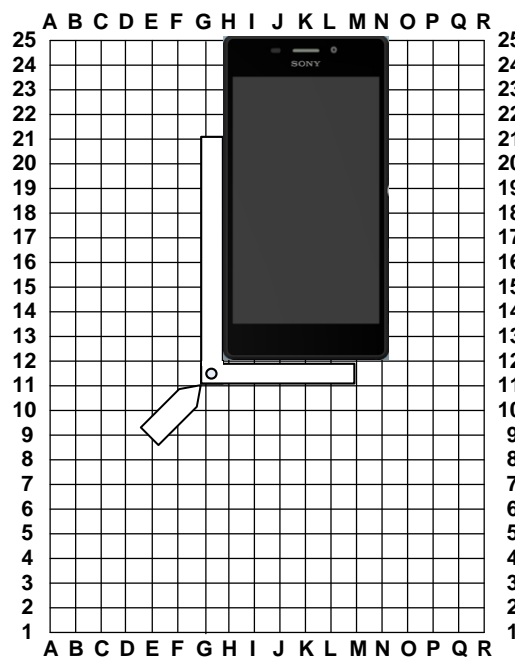
The following equipment has to be used:

- 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

Put the grid positioning holder with its reference point in position **G11** and place the phone as shown in the adjacent picture.



1.2 Antenna Coupler D2403 and D2406 all bands

The following equipment has to be used:

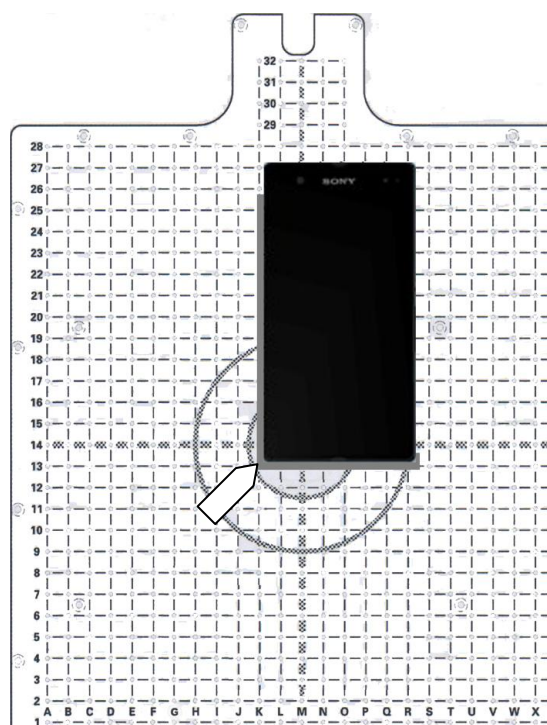
- Rohde & Schwartz RF Shield Package
 - Rohde & Schwartz RF Shield Box
 - Rohde & Schwartz RF Coupler CMW-Z11
 - Grid Positioning Holder
- RF Test Cable Flexible 1M
- RF Adapter for RF Shield Box
- Micro USIM Card, instrument specific

GSM-850/900/1800/1900

WCDMA-850/900/1700/1900/2100

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

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 2 variants D2403 and D2306 including the following bands:

D2403:

GSM-850 / 900 /1800 /1900

WCDMA-850 / 900 / 2100

LTE-1/3/5/7/8/20

Not to be tested in SERP

D2406:

GSM-850 / 900 /1800 /1900

WCDMA-850 / 1700/1900 / 2100

LTE-2/4/7/17

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, D2403 and D2406

Band	Channel	Attenuation D2403		Attenuation D2406	
		Rx	Tx	Rx	Tx
GSM 850	Low	10.00	15.66	10.00	11.99
	Mid	8.00	14.31	9.00	10.56
	High	6.00	12.09	7.00	9.31
GSM 900	Low	6.00	8.80	7.00	9.56
	Mid	6.00	8.57	7.00	8.99
	High	6.00	8.30	10.00	8.21
GSM 1800	Low	11.00	13.98	11.00	14.32
	Mid	8.50	12.80	10.00	12.40
	High	10.00	12.45	11.00	11.14
GSM 1900	Low	15.00	7.84	16.00	9.61
	Mid	16.00	9.43	17.00	12.14
	High	19.00	11.38	18.00	14.08
WCDMA 850	Low	9.50	14.24	8.50	11.61
	Mid	8.00	13.69	8.00	10.93
	High	7.00	11.22	8.50	10.39
WCDMA 900	Low	6.00	9.15		
	Mid	6.50	6.93		
	High	6.00	6.03		
WCDMA 1700	Low			21.50	13.48
	Mid			23.00	12.86
	High			25.00	12.22
WCDMA 1900	Low			14.50	9.35
	Mid			15.50	10.68
	High			17.00	13.73
WCDMA 2100	Low	20.00	12.32	21.00	14.86
	Mid	21.00	14.28	23.50	16.46
	High	17.00	17.20	23.00	17.90

Go/NoGo Testing

1.3.2 Loss Values – Antenna Coupler CMW-Z11, D2403 and D2406

Band	Channel	Attenuation D2403		Attenuation D2406	
		Rx	Tx	Rx	Tx
GSM 850	Low	9.00	8.30	9.00	7.20
	Mid	7.00	7.70	7.00	7.60
	High	6.00	8.00	7.00	9.00
GSM 900	Low	7.00	8.40	10.00	9.00
	Mid	8.00	8.40	12.00	9.10
	High	10.00	8.00	15.00	8.90
GSM 1800	Low	10.00	10.20	17.00	8.90
	Mid	11.00	9.70	8.00	7.40
	High	12.00	8.40	8.00	6.00
GSM 1900	Low	11.00	9.20	8.00	5.70
	Mid	13.00	10.50	9.00	7.40
	High	15.00	11.00	10.00	7.80
WCDMA 850	Low	10.00	7.00	11.00	7.10
	Mid	10.00	7.30	10.00	7.90
	High	9.00	7.80	10.00	9.00
WCDMA 900	Low	10.00	7.00		
	Mid	10.00	6.80		
	High	11.00	6.40		
WCDMA 1700	Low			17.00	7.20
	Mid			20.00	6.90
	High			24.00	6.80
WCDMA 1900	Low			10.00	6.20
	Mid			10.00	8.00
	High			12.00	6.60
WCDMA 2100	Low	21.00	10.80	17.00	8.00
	Mid	23.00	12.00	23.00	8.60
	High	20.00	13.80	23.00	9.70
LTE Band 1	Low	19.00	11.20		
	Mid	23.00	12.00		
	High	18.00	14.50		

Go/NoGo Testing

Band	Channel	Attenuation D2403		Attenuation D2406	
		Rx	Tx	Rx	Tx
LTE Band 2	Low			9.00	7.60
	Mid			10.00	8.00
	High			9.00	8.30
LTE Band 3	Low	9.00	10.00		
	Mid	11.00	10.00		
	High	12.00	9.80		
LTE Band 4	Low			15.00	8.40
	Mid			18.00	8.10
	High			12.00	7.60
LTE Band 5	Low	7.00	8.80		
	Mid	7.00	9.30		
	High	7.00	9.70		
LTE Band 7	Low	12.00	16.60	21.00	26.20
	Mid	13.00	15.70	21.00	25.70
	High	12.00	15.80	21.00	26.50
LTE Band 8	Low	7.00	7.70		
	Mid	8.00	7.50		
	High	8.00	7.40		
LTE Band 17	Low			8.00	7.20
	Mid			8.00	7.00
	High			7.00	7.00
LTE Band 20	Low	10.00	8.80		
	Mid	8.00	9.50		
	High	8.00	9.40		

2 Revision History

Rev.	Date	Changes / Comments
1	2014-08-20	Initial release
2	2014-09-11	Added D2403 and D2406 to CWMrun