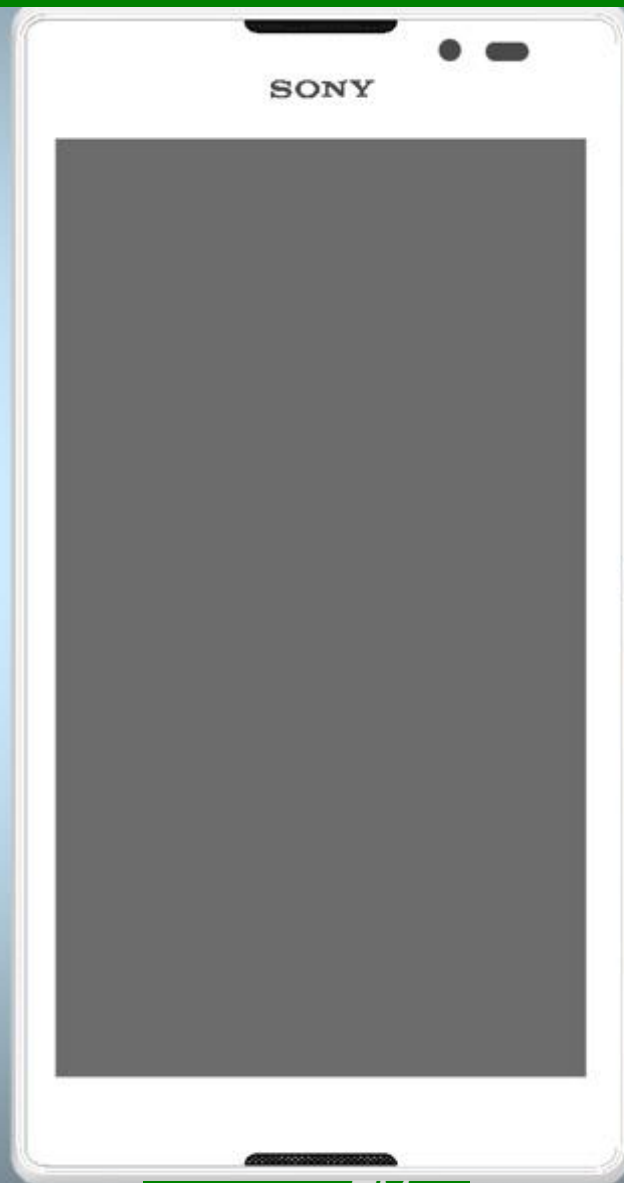


Go/No Go Test



Xperia™ C

C2304, C2305, S39h

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C2304, C2305 and S39h is ONLY implemented in SERPII.

1 Go/No Go Testing

This Go/No Go testing has to be carried out in two ways, with an:

- Antenna Coupler.
- Cable in shield box.

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 C2304, C2305 and S39h all bands

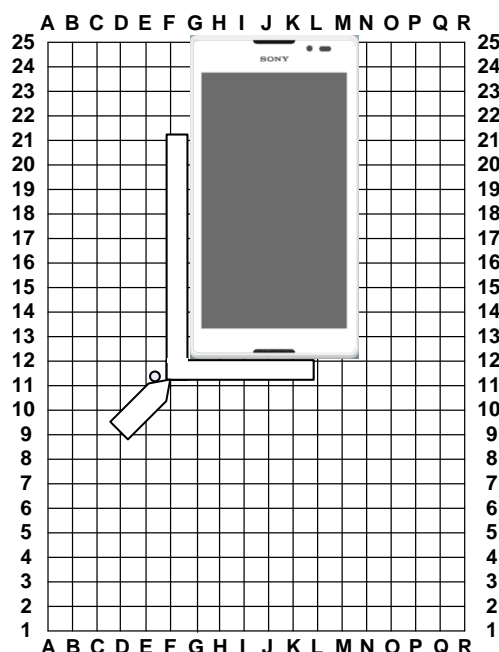
The following equipment has to be used:

- 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-850/900/1900/2100

Put the grid positioning holder with its reference point in position **F11** and place the phone as shown in the adjacent picture.



Go/NoGo Testing

1.2 Direct Line

The following equipment has to be used:

- RF Test Cable Flexible 1M
- RF Probe
- Micro USIM Card, instrument specific.

Connect the RF Probe as shown in the adjacent picture.

To get access to the RF connector on the PBA, refer to 1275-8436: C23 Mechanical Working Instructions, Chapter 3.1!



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 3 variants, C2304, C2305 and S39h including the following bands:

C2305 and S39h:

GSM-900/1800/1900

WCDMA-900 /2100

C2304:

GSM-850/900/1800/1900

WCDMA-850/1900/2100

Go/NoGo Testing

1.3 Attenuation Factors

The attenuation values listed below in 1.4.1 - 1.4.4 is valid only when the equipment listed on the previous pages is being used!

1.3.1 Loss Values – Antenna Coupler CMU-Z11: C2304, C2305 and S39.

Band	Channel	Attenuation C2305 and S39h		Attenuation C2304	
		Rx	Tx	Rx	Tx
GSM 850	Low			6.00	8.79
	Mid			7.00	8.28
	High			7.00	8.20
GSM 900	Low	7.00	6.26	7.00	7.05
	Mid	7.00	5.97	6.00	6.36
	High	7.00	5.86	6.00	5.76
GSM 1800	Low	16.50	16.87	17.00	15.48
	Mid	15.00	17.84	15.00	15.47
	High	15.00	18.52	15.00	16.50
GSM 1900	Low	13.00	13.40	15.00	15.07
	Mid	15.00	11.21	15.50	12.93
	High	13.00	12.90	16.00	13.70
WCDMA 850	Low			8.00	8.65
	Mid			6.00	8.24
	High			6.00	7.75
WCDMA 900	Low	7.00	6.19		
	Mid	7.00	6.03		
	High	7.00	5.85		
WCDMA 1900	Low			13.00	16.08
	Mid			13.50	13.37
	High			15.00	12.25
WCDMA 2100	Low	13.00	13.25	14.50	14.24
	Mid	15.00	15.52	15.00	15.63
	High	13.00	17.52	15.00	16.60

Go/NoGo Testing: Attenuation Factors

1.3.2 Loss Values – Direct Line

Band	Channel	Attenuation	
		Rx	Tx
GSM 850	All	1.0	1.0
GSM 900	All	1.0	1.0
GSM 1800	All	2.3	2.3
GSM 1900	All	2.3	2.3
WCDMA 850	All	1.3	1.3
WCDMA 900	All	1.3	1.3
WCDMA 1900	All	2.3	2.3
WCDMA 2100	All	2.5	2.5

2 Revision History

Rev.	Date	Changes / Comments
1	2013-Jul-27	Initial release
2	2013-Okt-27	Moved to SL2
3	2014-Jan-02	Added C2304