

Annex D



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Test report annex authorized:

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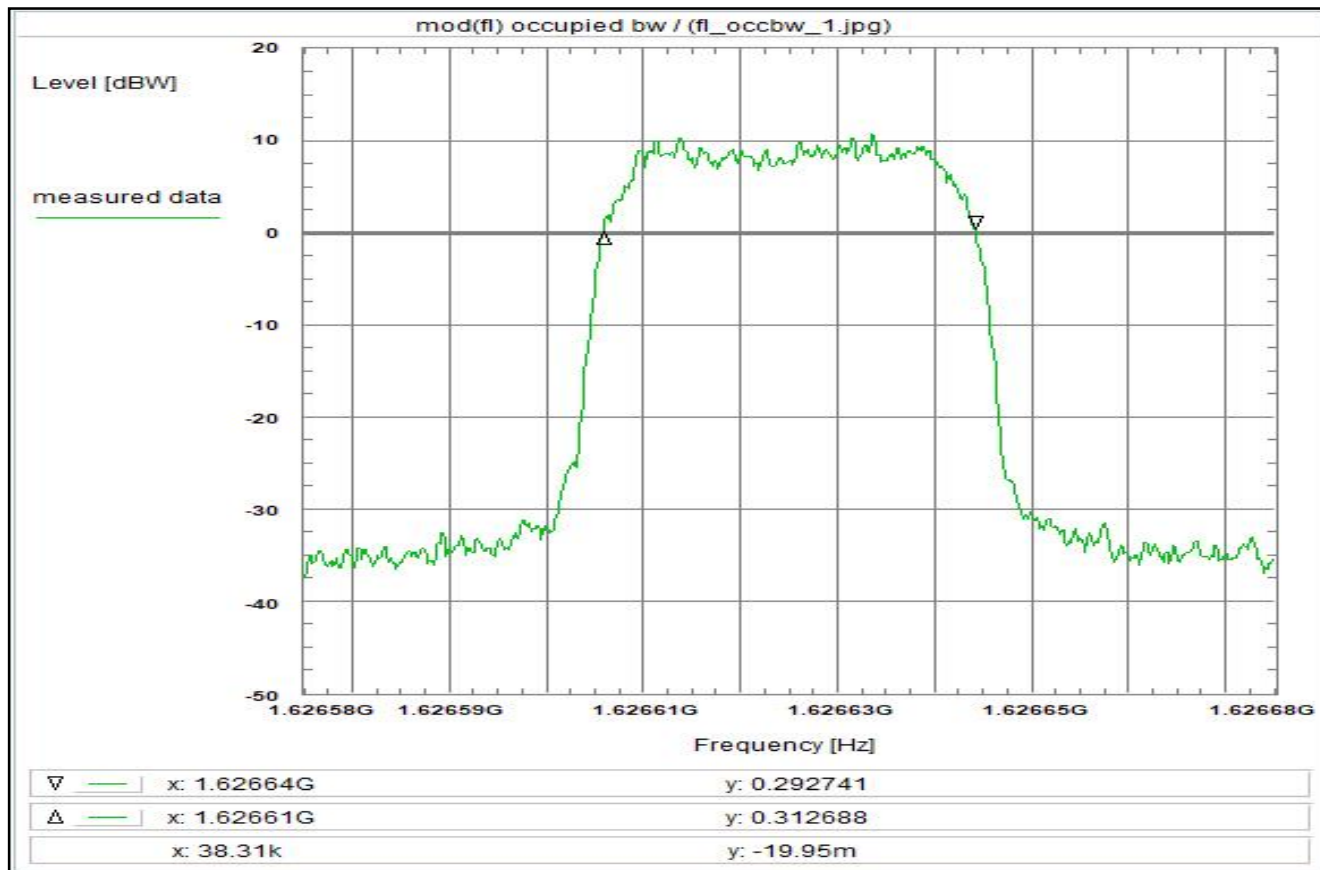
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2 Measurement results, FCC Part 87 and FCC Part 25

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Plot No. 1



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fl, R5T1XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 14:00:44
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.626575 GHz
 Stop frequency: 1.626675 GHz
 Center frequency: 1.626625 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

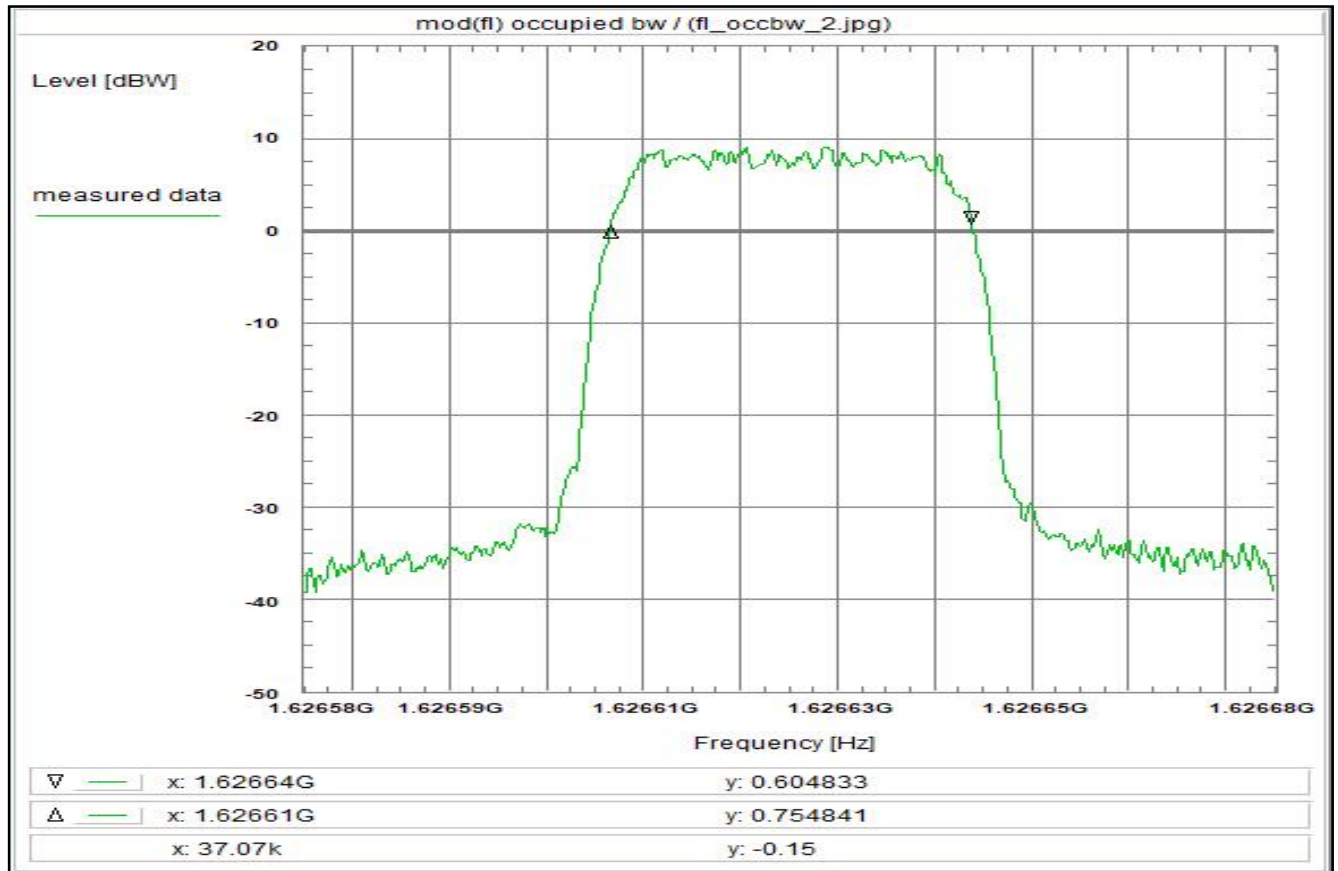
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 38 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 2



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:
 The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:
 see plot (an explicit table was not generated)

Operating condition of DUT:
 operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fl, R20T1XD

Test setup:
 see test report chapter 7.2 setup 1.1hgj

Test equipment:
 see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:
 Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 14:02:55
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.626575 GHz
 Stop frequency: 1.626675 GHz
 Center frequency: 1.626625 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

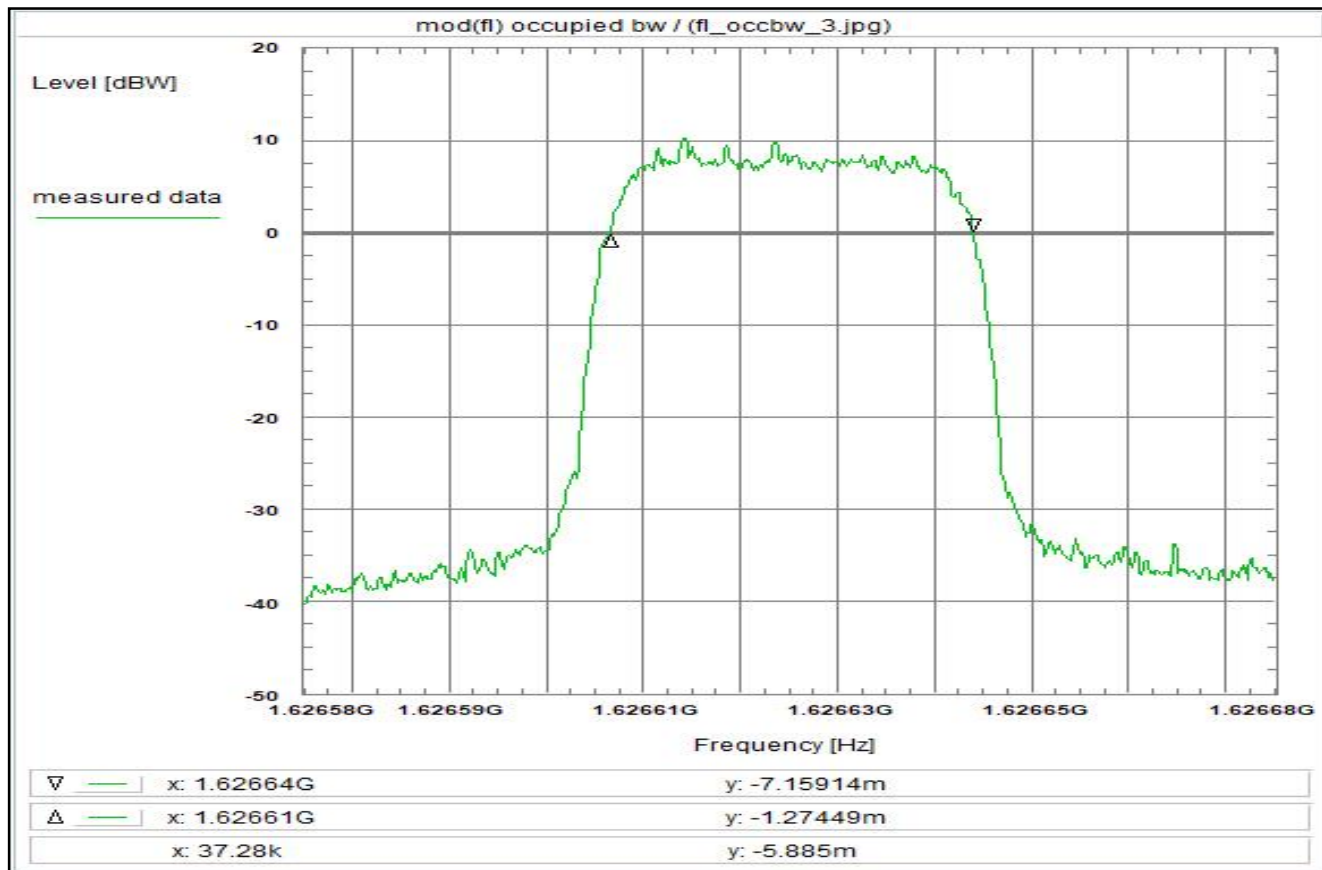
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:
 The measured value is about 37 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 3



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:
 The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:
 see plot (an explicit table was not generated)

Operating condition of DUT:
 operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fl, R20T1QD

Test setup:
 see test report chapter 7.2 setup 1.1hgj

Test equipment:
 see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:
 Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 14:05:16
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.626575 GHz
 Stop frequency: 1.626675 GHz
 Center frequency: 1.626625 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

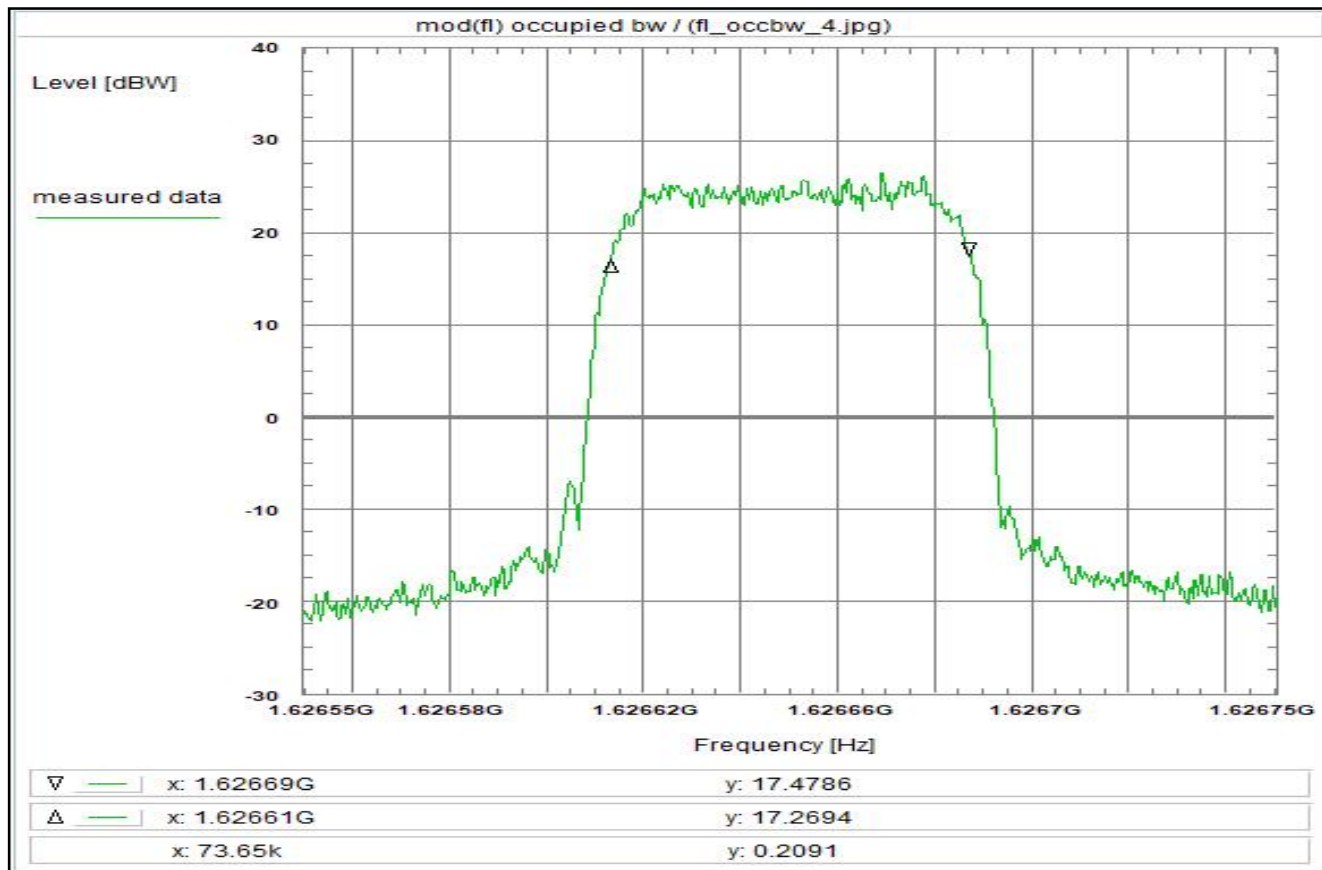
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:
 The measured value is about 37 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 4



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fl, R5T2XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 14:13:34
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.62655 GHz
 Stop frequency: 1.62675 GHz
 Center frequency: 1.62665 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

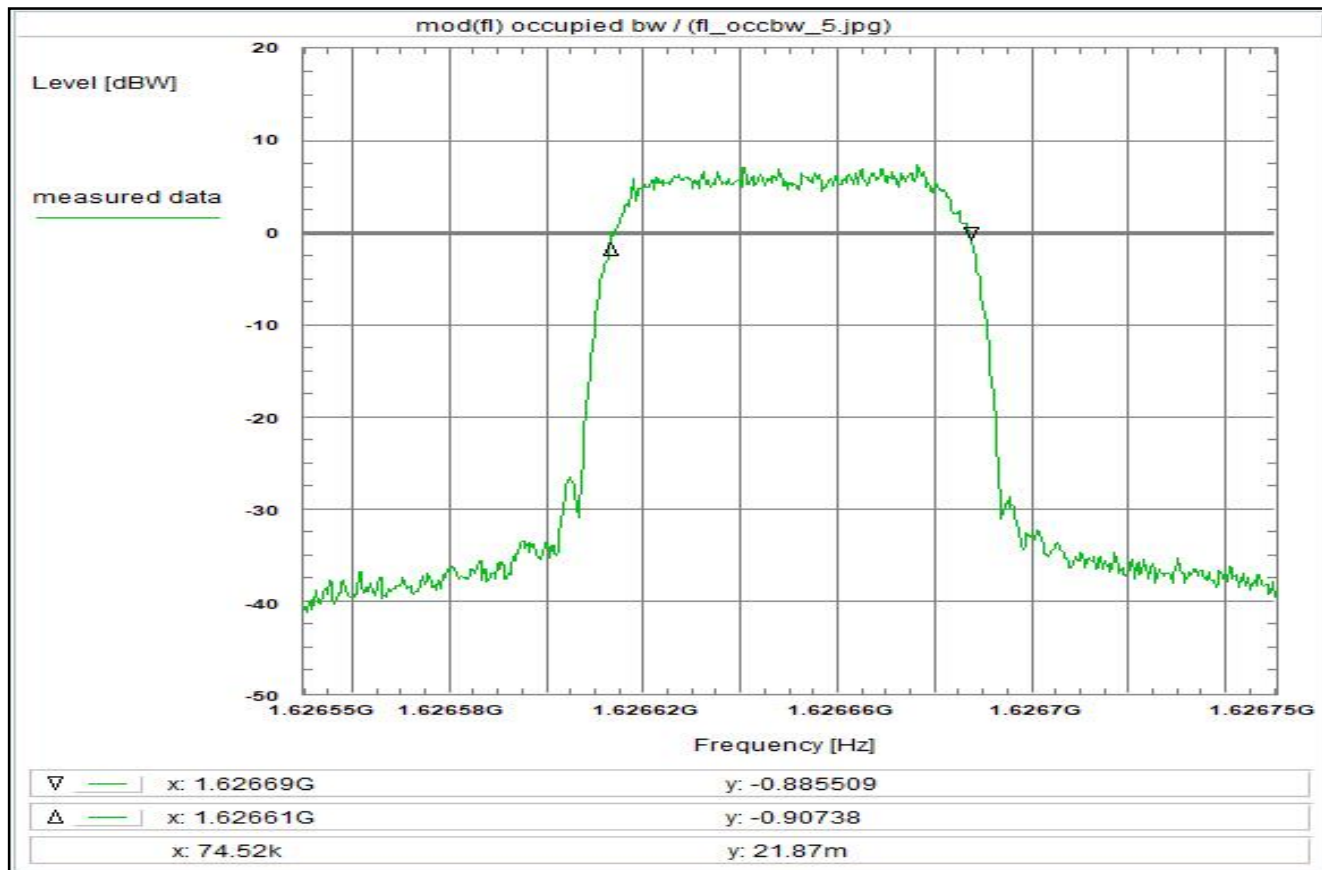
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 5



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fl, R20T2XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 14:16:11
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.62655 GHz
 Stop frequency: 1.62675 GHz
 Center frequency: 1.62665 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

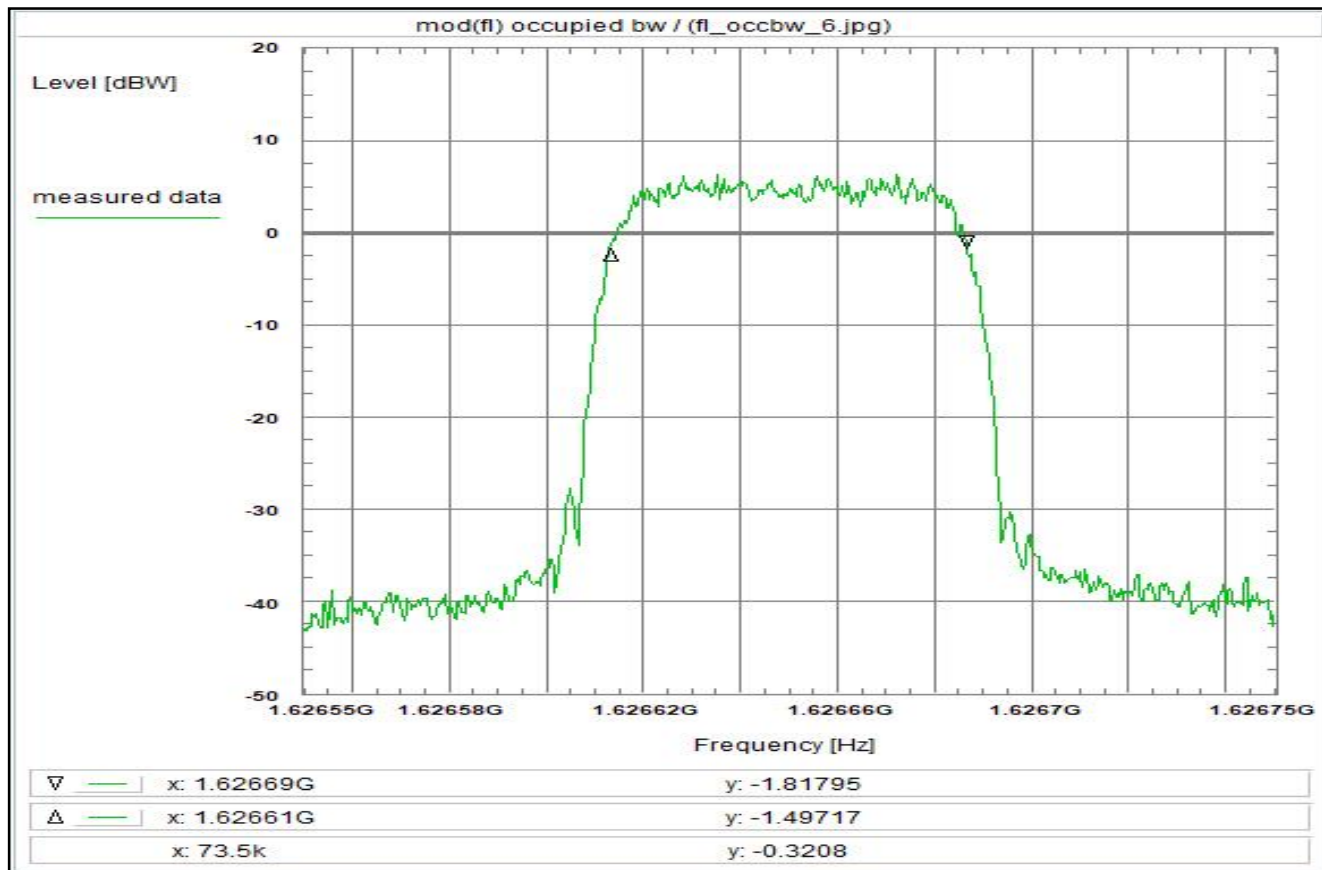
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 6



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:
 The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:
 see plot (an explicit table was not generated)

Operating condition of DUT:
 operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fl, R5T2QD

Test setup:
 see test report chapter 7.2 setup 1.1hgj

Test equipment:
 see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:
 Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 14:18:51
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.62655 GHz
 Stop frequency: 1.62675 GHz
 Center frequency: 1.62665 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

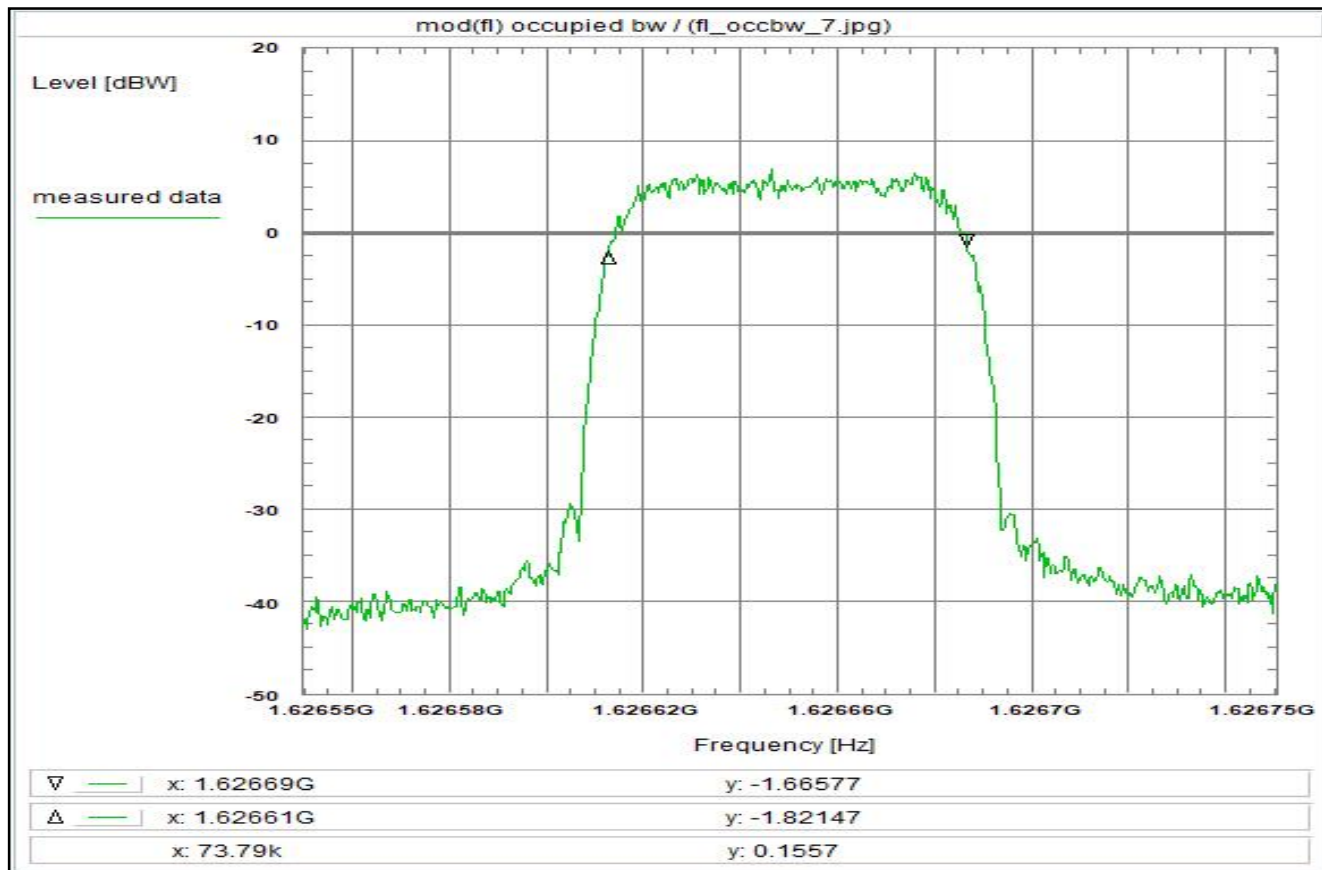
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:
 The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 7



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fl, R20T2QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 14:22:47
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.62655 GHz
 Stop frequency: 1.62675 GHz
 Center frequency: 1.62665 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

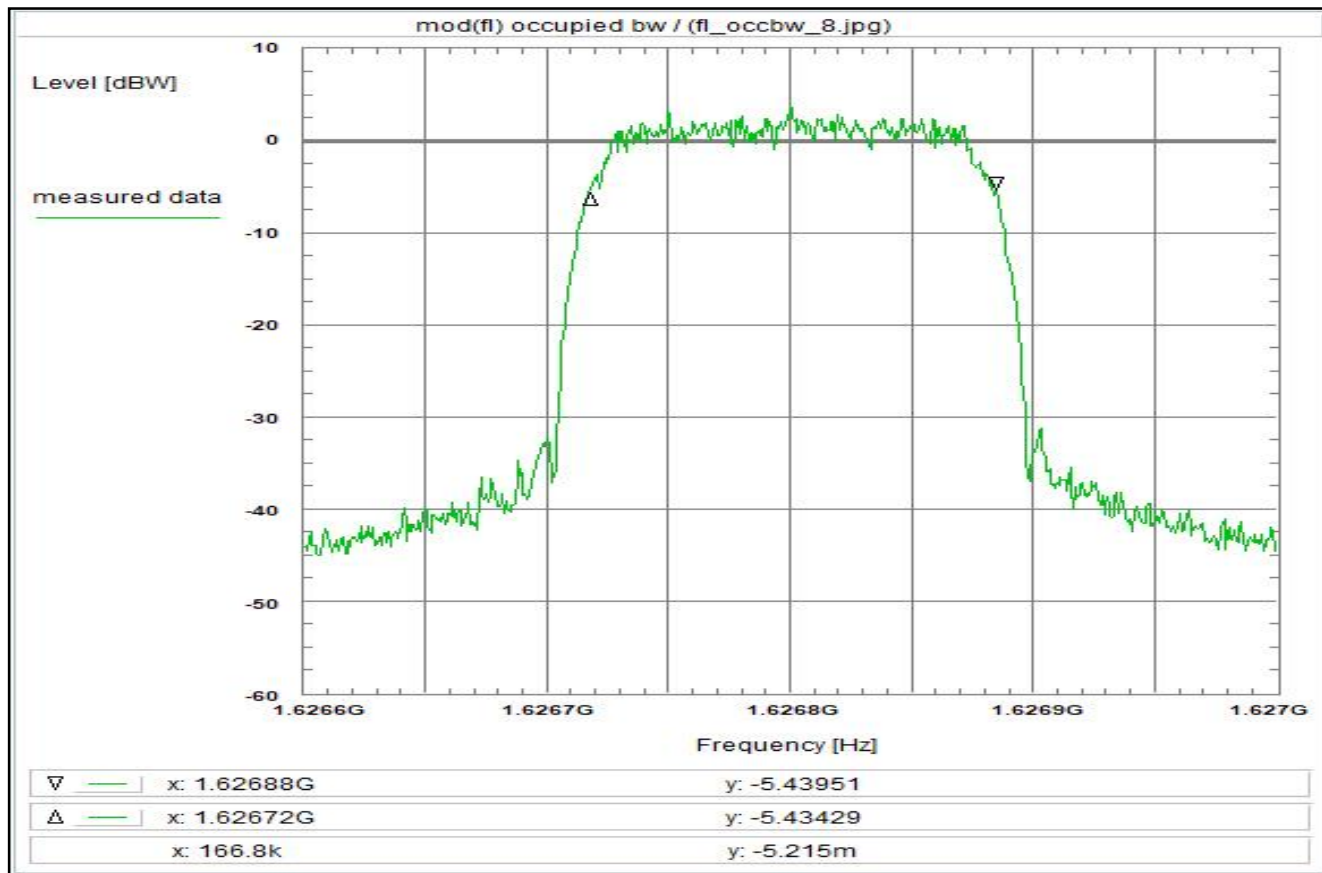
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 8



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fl, R5T4.5XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 16:12:18
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6266 GHz
 Stop frequency: 1.627 GHz
 Center frequency: 1.6268 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

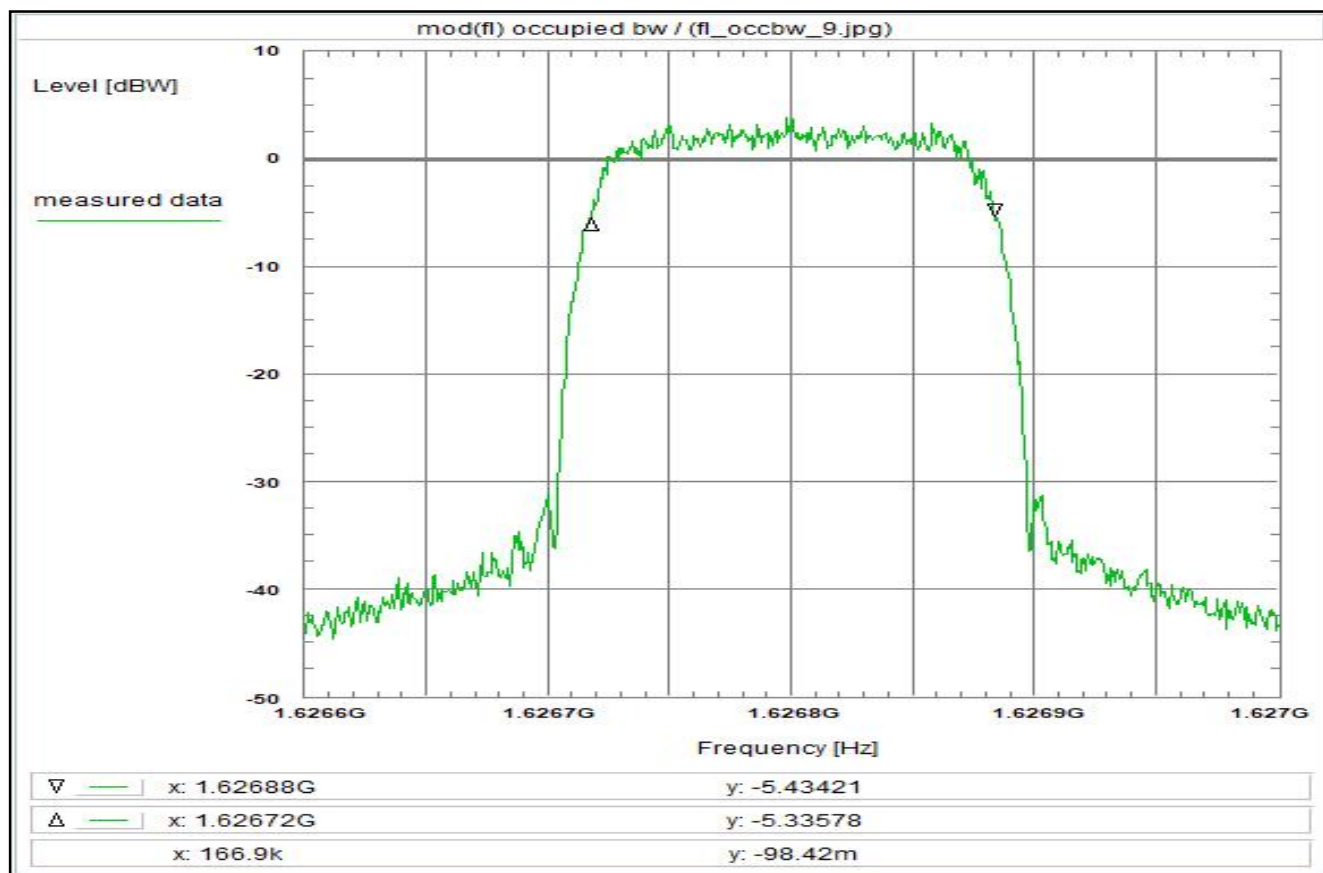
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 9



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fl, R20T4.5XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 16:14:11
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6266 GHz
 Stop frequency: 1.627 GHz
 Center frequency: 1.6268 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

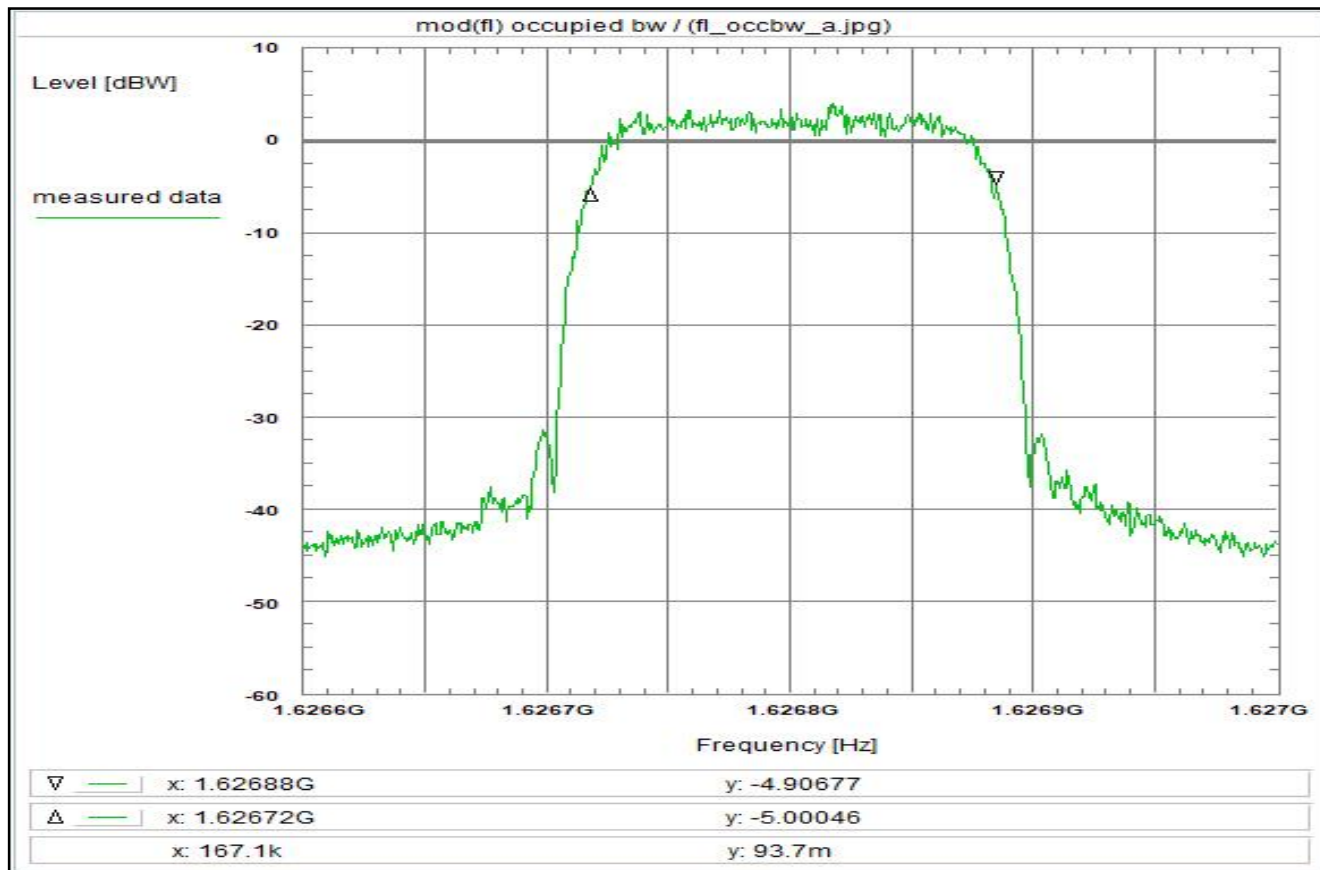
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 10



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:
 The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:
 see plot (an explicit table was not generated)

Operating condition of DUT:
 operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fl, R5T4.5QD

Test setup:
 see test report chapter 7.2 setup 1.1hgj

Test equipment:
 see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:
 Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 16:21:08
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6266 GHz
 Stop frequency: 1.627 GHz
 Center frequency: 1.6268 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

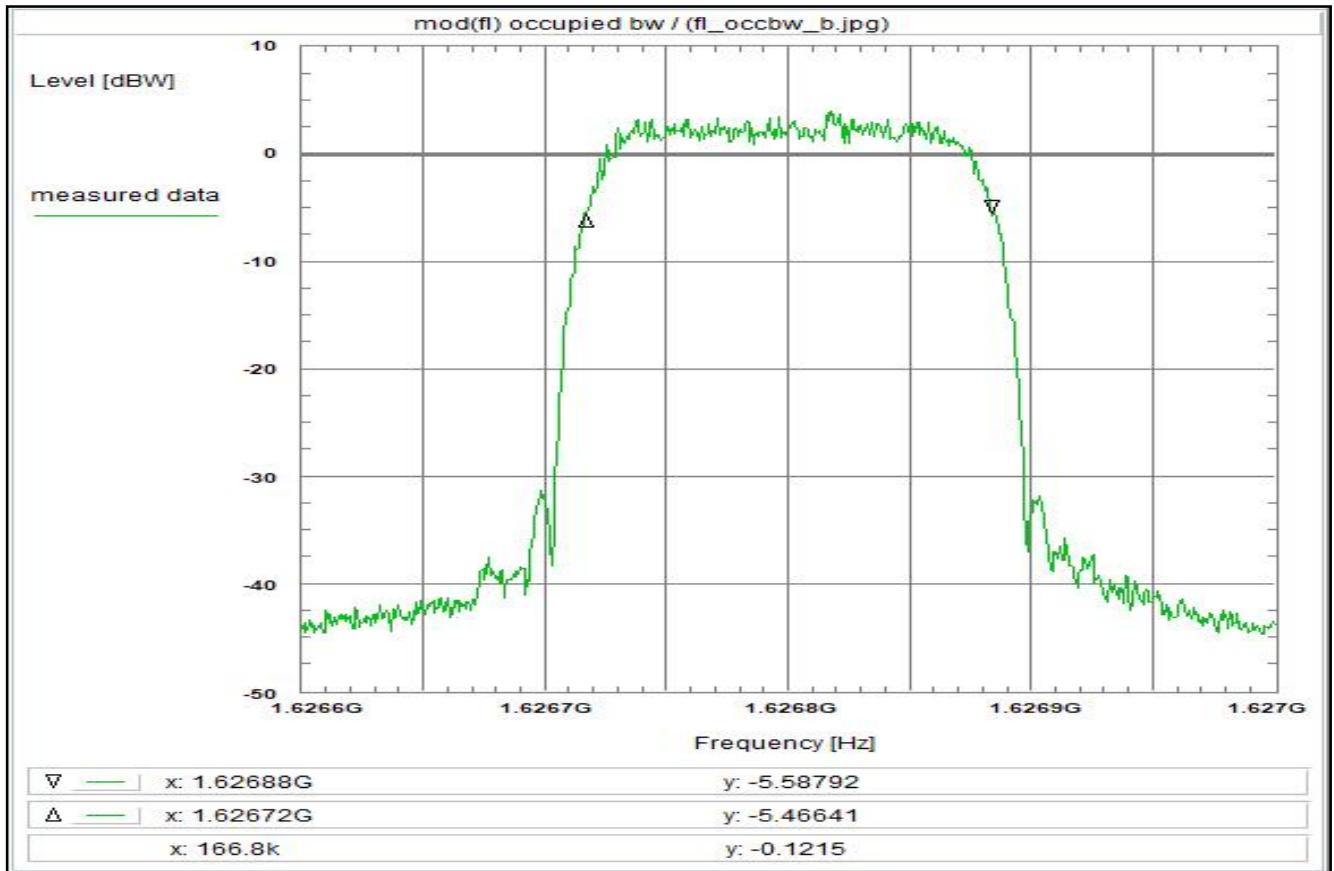
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:
 The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 11



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:
 The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:
 see plot (an explicit table was not generated)

Operating condition of DUT:
 operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fl, R20T4.5QD

Test setup:
 see test report chapter 7.2 setup 1.1hgj

Test equipment:
 see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:
 Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 16:22:43
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6266 GHz
 Stop frequency: 1.627 GHz
 Center frequency: 1.6268 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

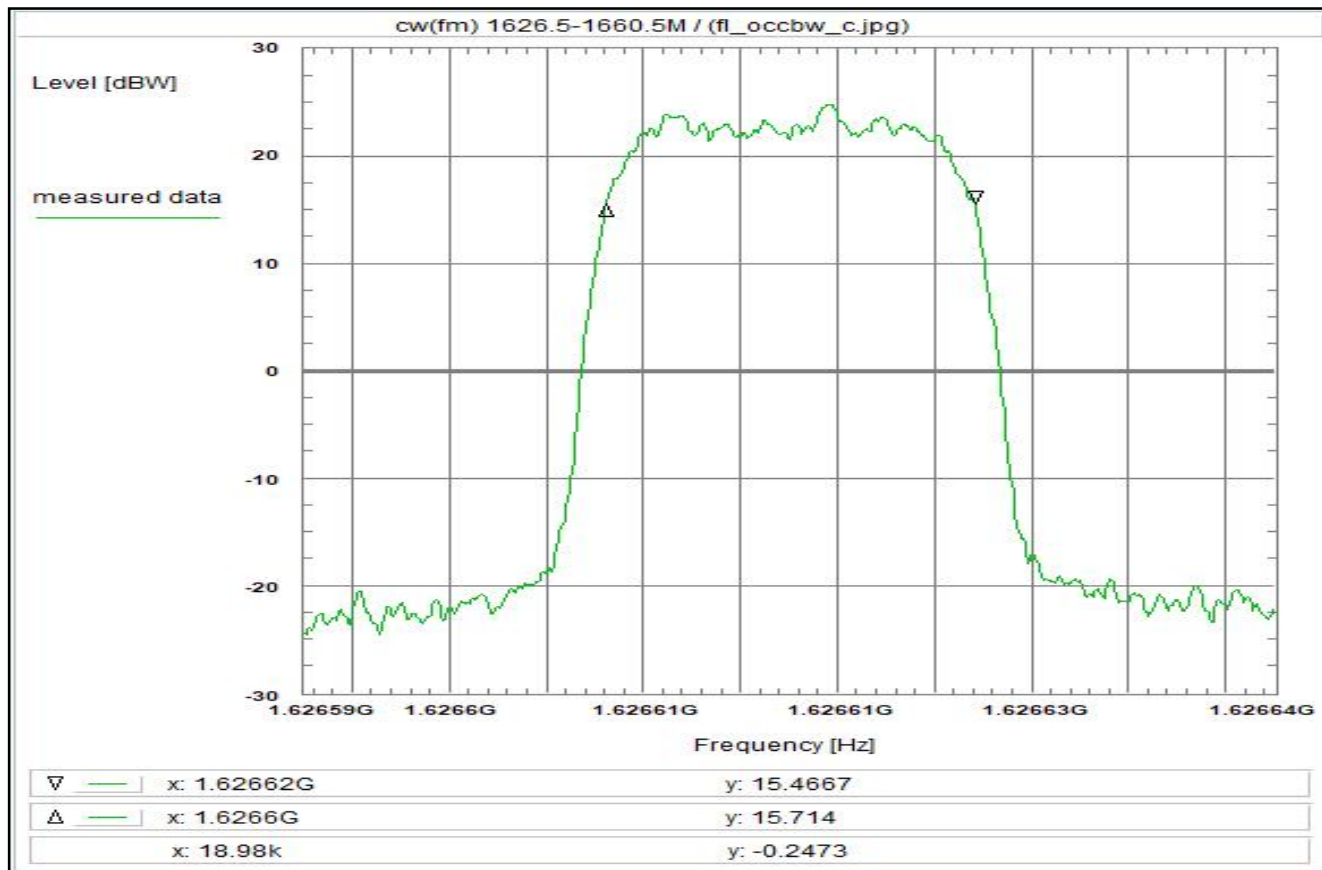
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:
 The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 12



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, R20T0.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 16:25:28
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6265875 GHz
 Stop frequency: 1.6266375 GHz
 Center frequency: 1.6266125 GHz
 Frequency span: 50 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

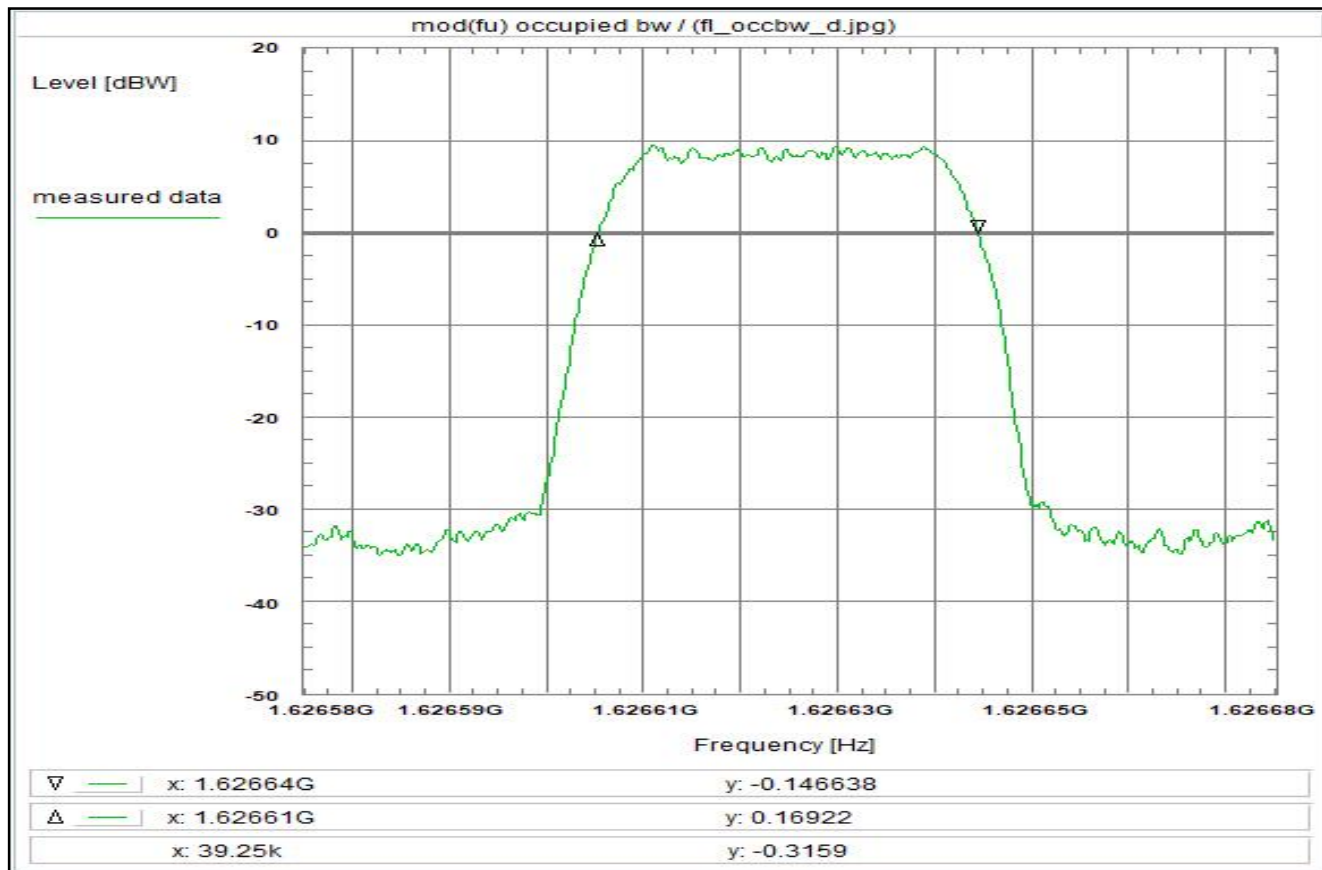
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 19 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 13



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, R5T1XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:25:44
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.626575 GHz
 Stop frequency: 1.626675 GHz
 Center frequency: 1.626625 GHz
 Frequency span: 100 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

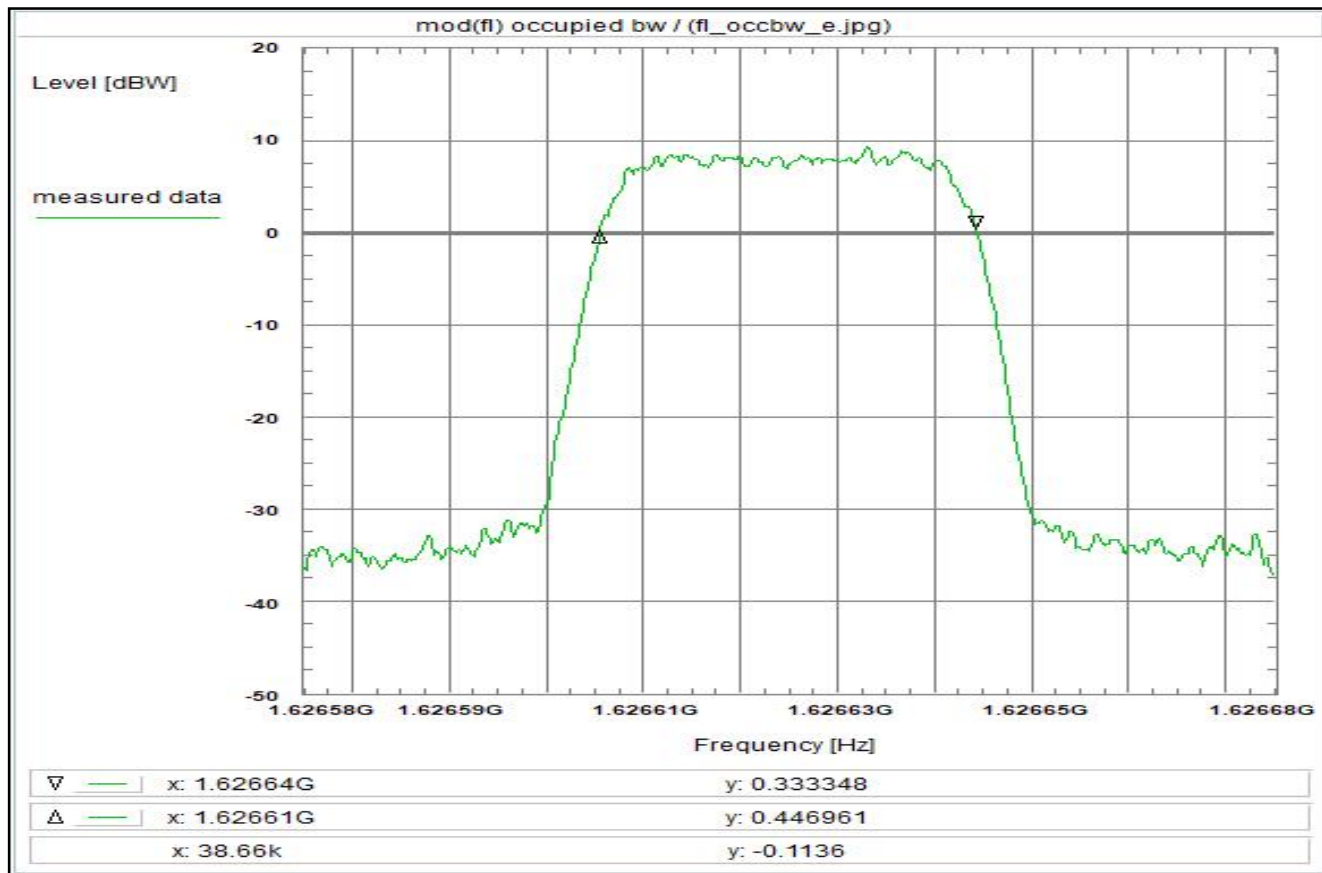
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fl:

The measured value is about 39 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 14



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, R20T1XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:40:35
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.626575 GHz
 Stop frequency: 1.626675 GHz
 Center frequency: 1.626625 GHz
 Frequency span: 100 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

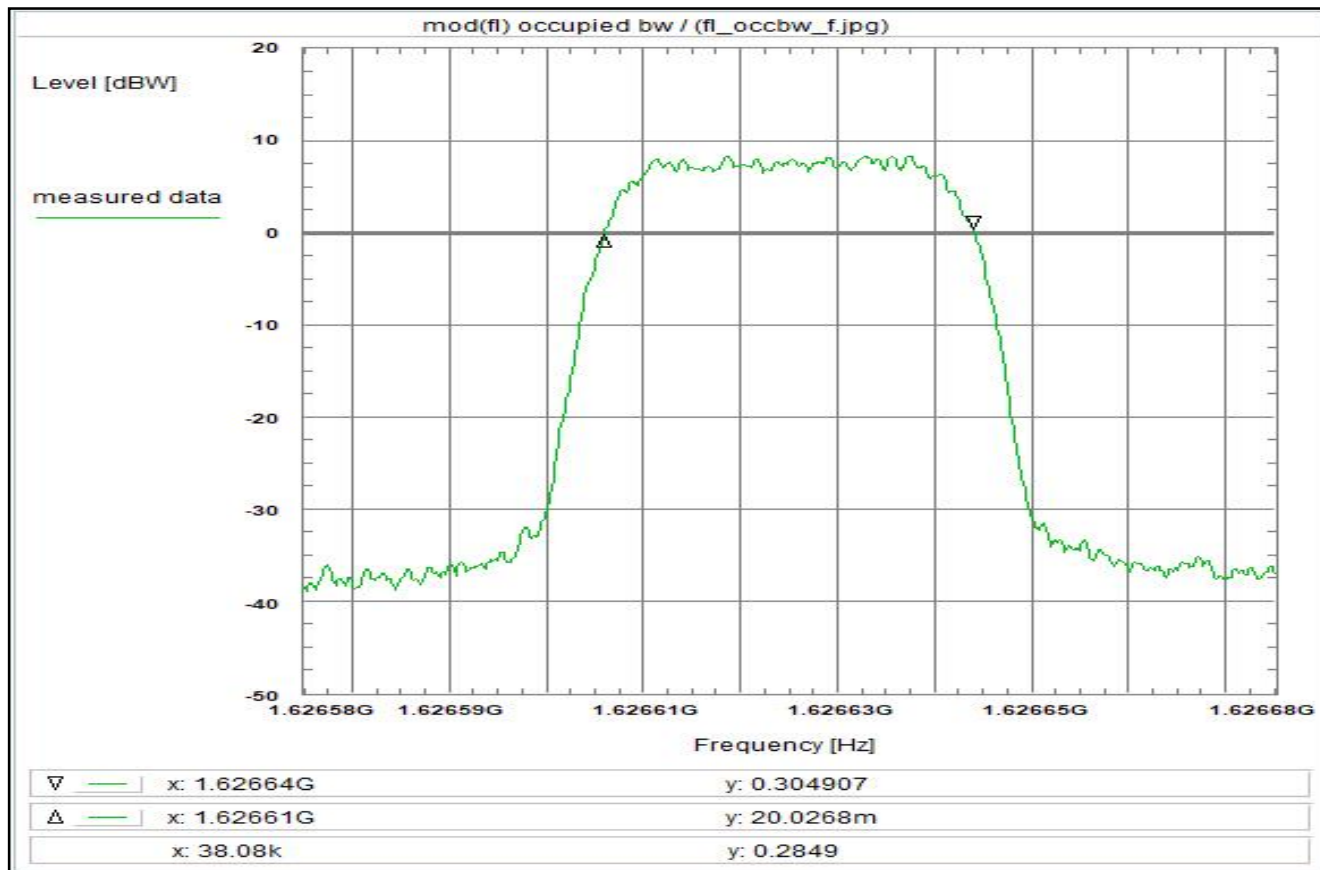
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fl:

The measured value is about 38 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 15



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (f1)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, R20T1QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:42:18
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.626575 GHz
 Stop frequency: 1.626675 GHz
 Center frequency: 1.626625 GHz
 Frequency span: 100 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

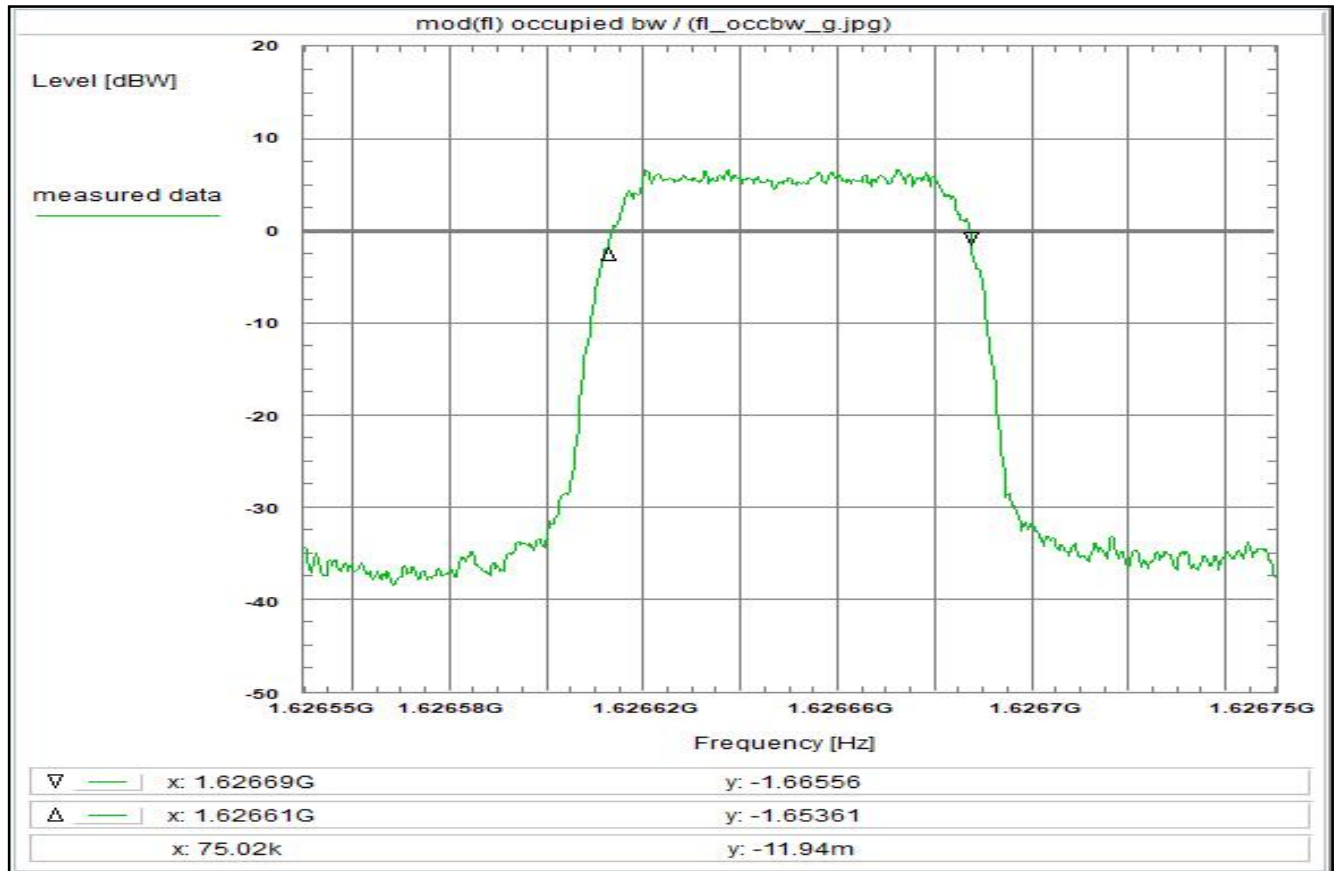
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at f1:

The measured value is about 38 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 16



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:
 The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:
 see plot (an explicit table was not generated)

Operating condition of DUT:
 operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, R5T2XD

Test setup:
 see test report chapter 7.2 setup 1.1hgj

Test equipment:
 see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:
 Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:45:08
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.62655 GHz
 Stop frequency: 1.62675 GHz
 Center frequency: 1.62665 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

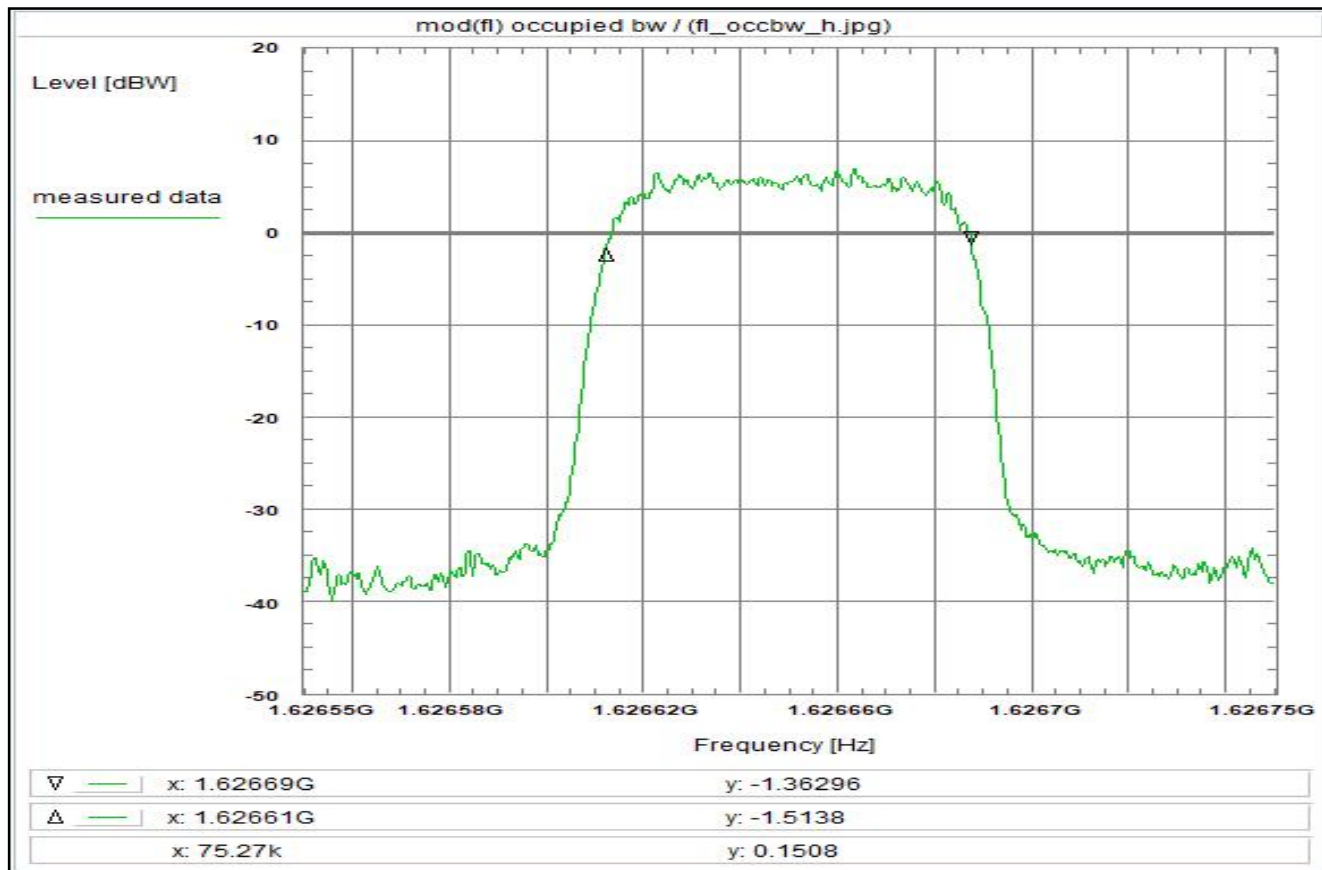
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fl:
 The measured value is about 75 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 17



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, R20T2XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:46:46
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.62655 GHz
 Stop frequency: 1.62675 GHz
 Center frequency: 1.62665 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

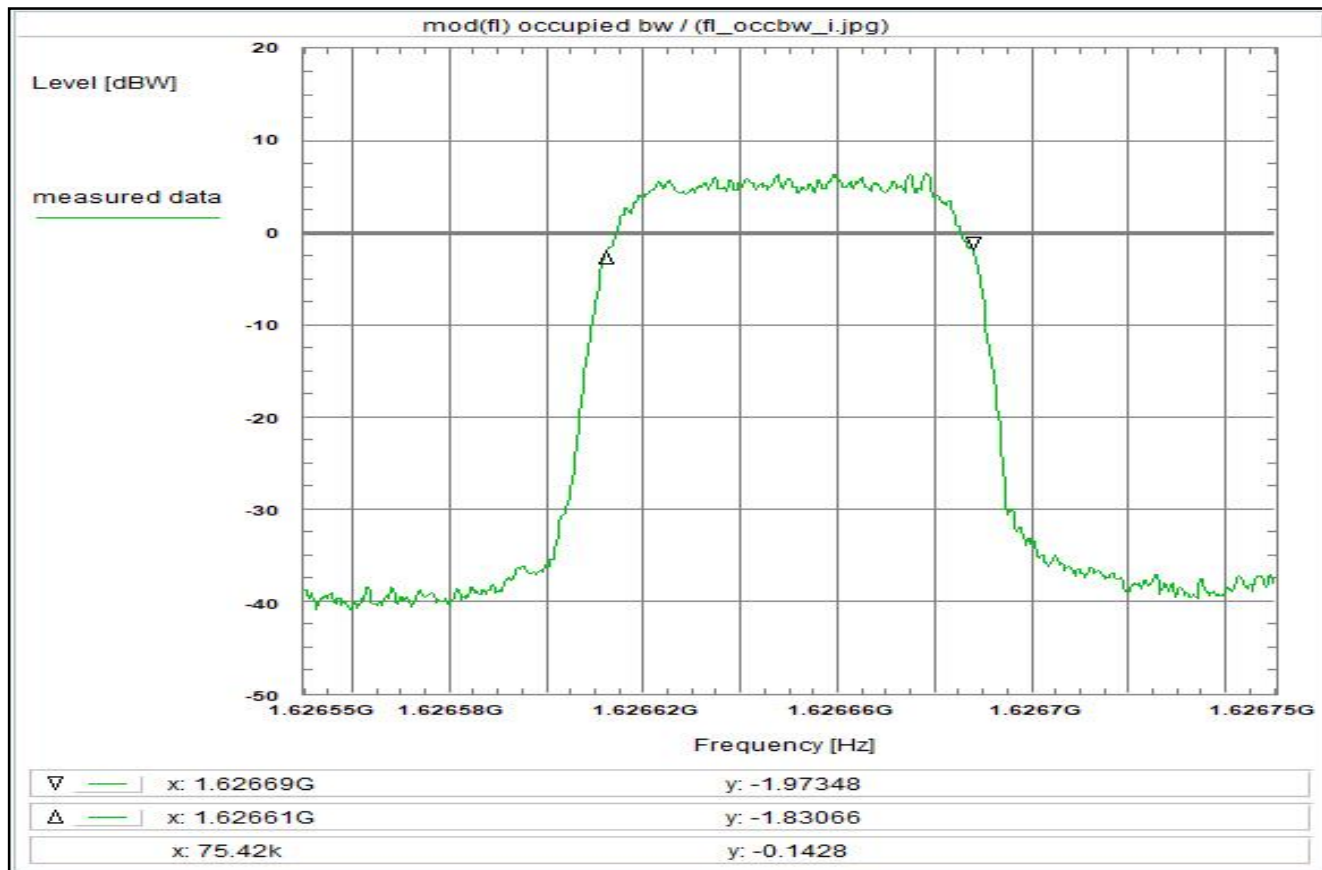
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fl:

The measured value is about 75 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 18



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (f1)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, R5T2QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:48:36
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.62655 GHz
 Stop frequency: 1.62675 GHz
 Center frequency: 1.62665 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

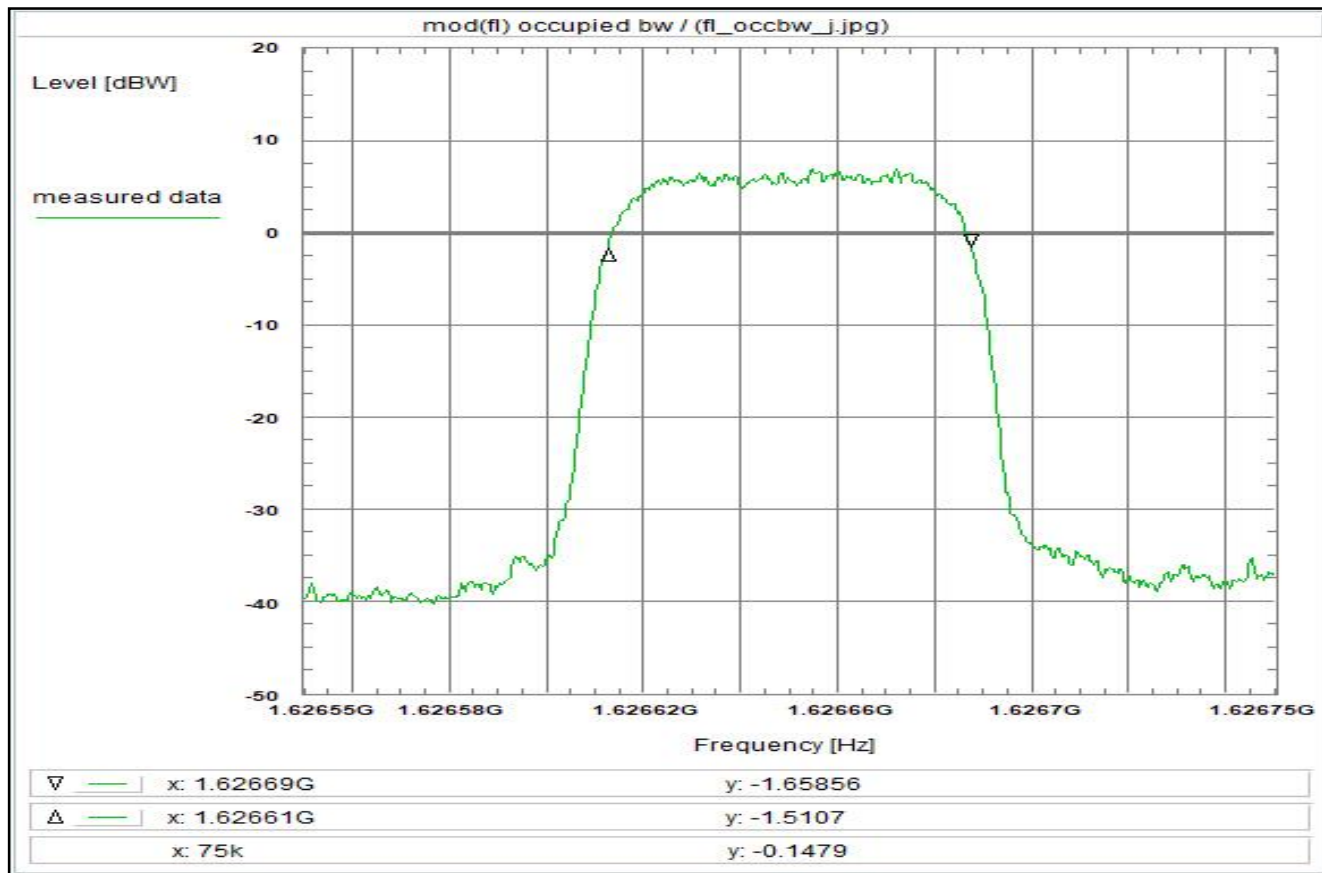
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at f1:

The measured value is about 75 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 19



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (f1)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, R20T2QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:54:08
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.62655 GHz
 Stop frequency: 1.62675 GHz
 Center frequency: 1.62665 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

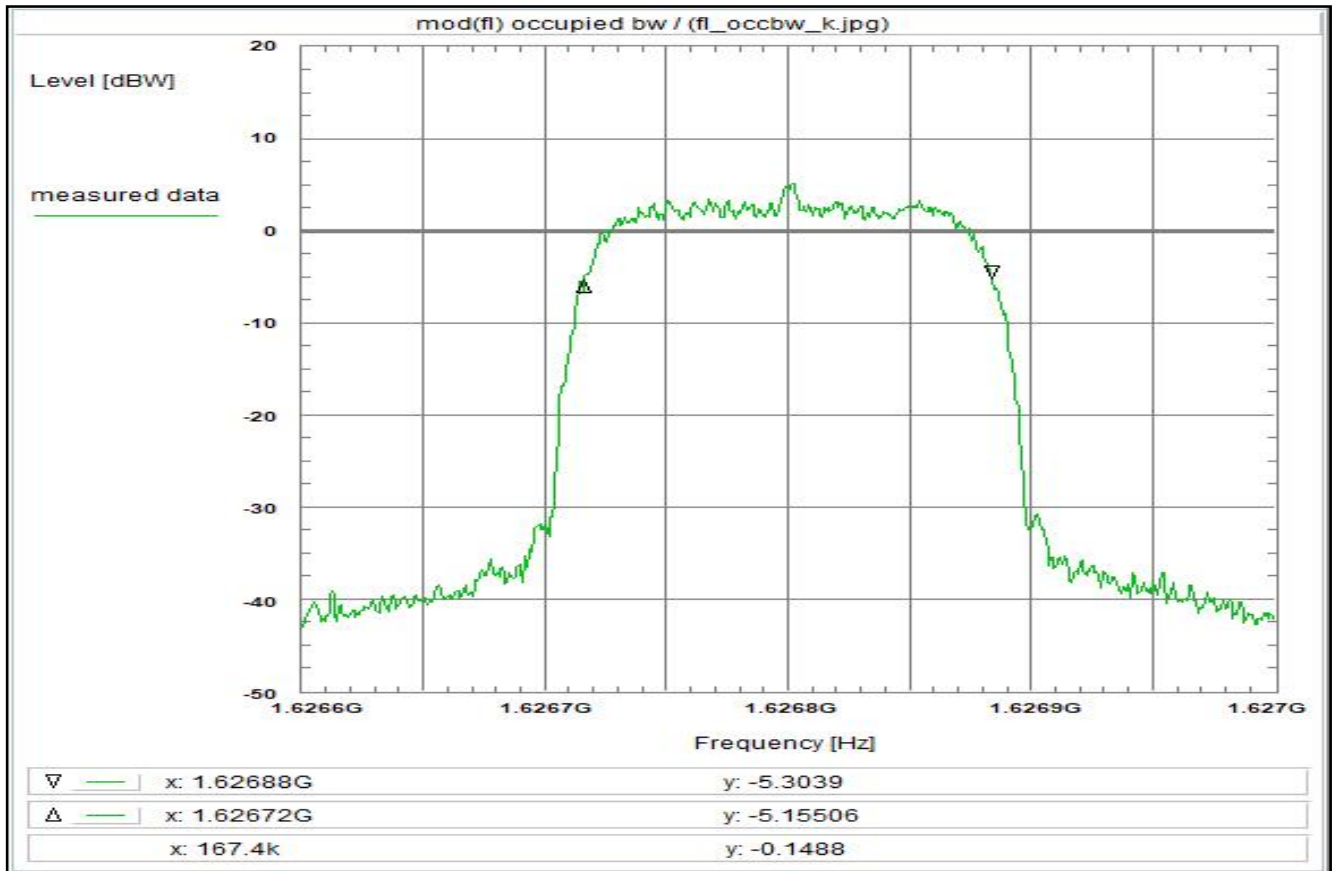
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at f1:

The measured value is about 75 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 20



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fi)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fi, R5T4.5XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:57:13
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6266 GHz
 Stop frequency: 1.627 GHz
 Center frequency: 1.6268 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

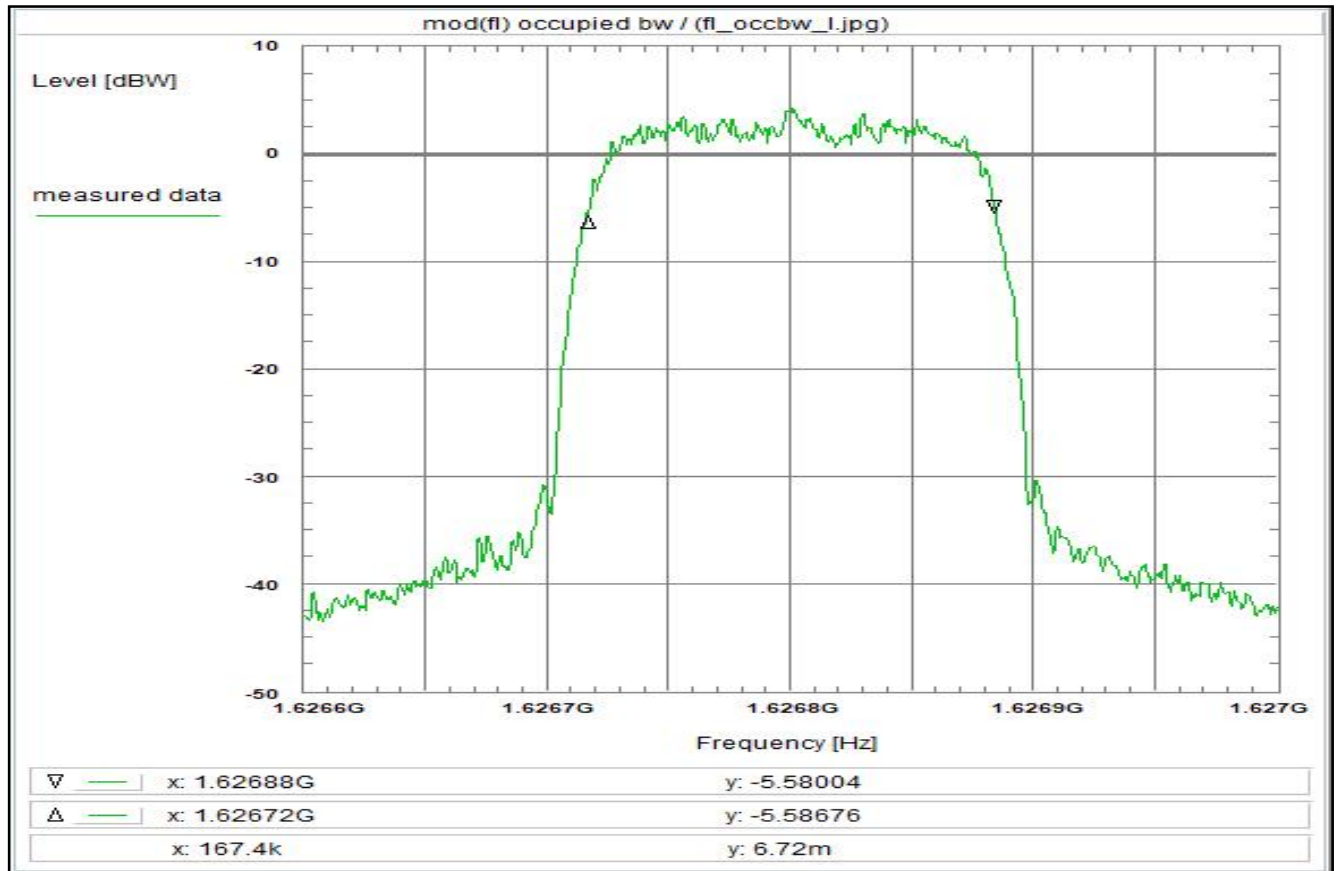
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fi:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 21



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (f1)
 Determination of the 'occupied bandwidth'

Limit:
 The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:
 see plot (an explicit table was not generated)

Operating condition of DUT:
 operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, R20T4.5XD

Test setup:
 see test report chapter 7.2 setup 1.1hgj

Test equipment:
 see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:
 Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:59:27
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6266 GHz
 Stop frequency: 1.627 GHz
 Center frequency: 1.6268 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

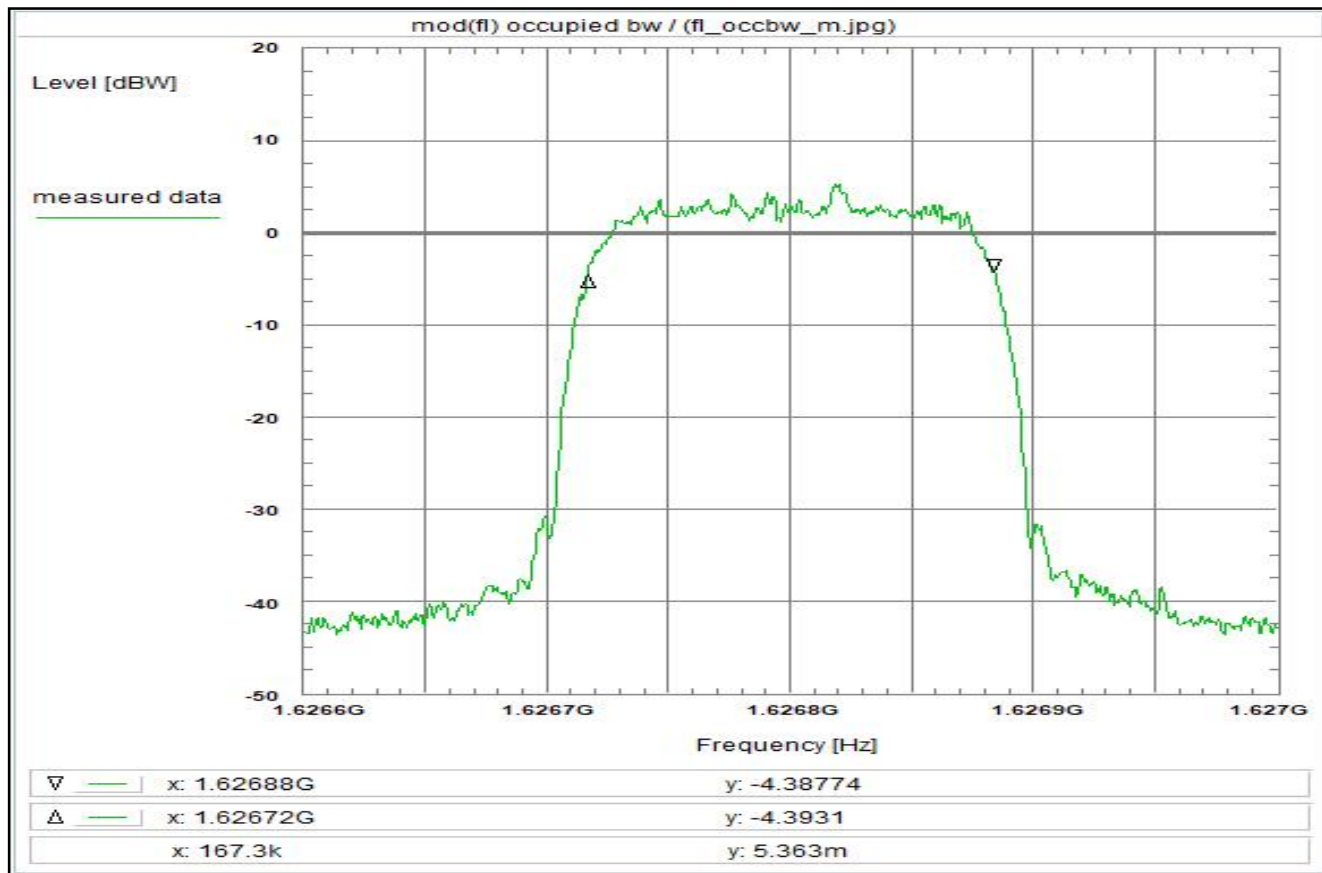
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at f1:
 The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 22



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (f_l)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, R5T4.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:04:01
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6266 GHz
 Stop frequency: 1.627 GHz
 Center frequency: 1.6268 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

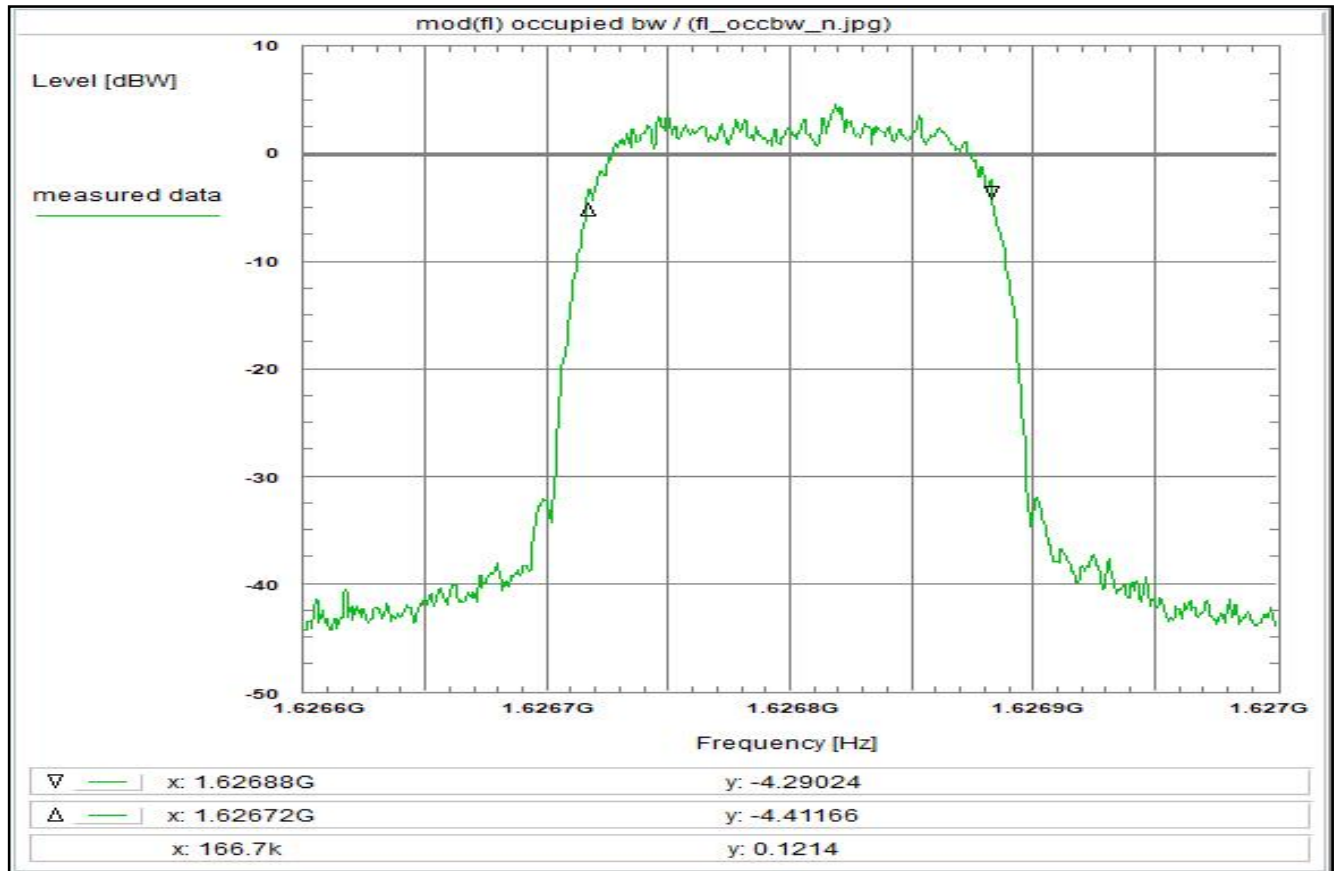
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at f_l:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 23



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (f1)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, R20T4.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:05:53
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6266 GHz
 Stop frequency: 1.627 GHz
 Center frequency: 1.6268 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

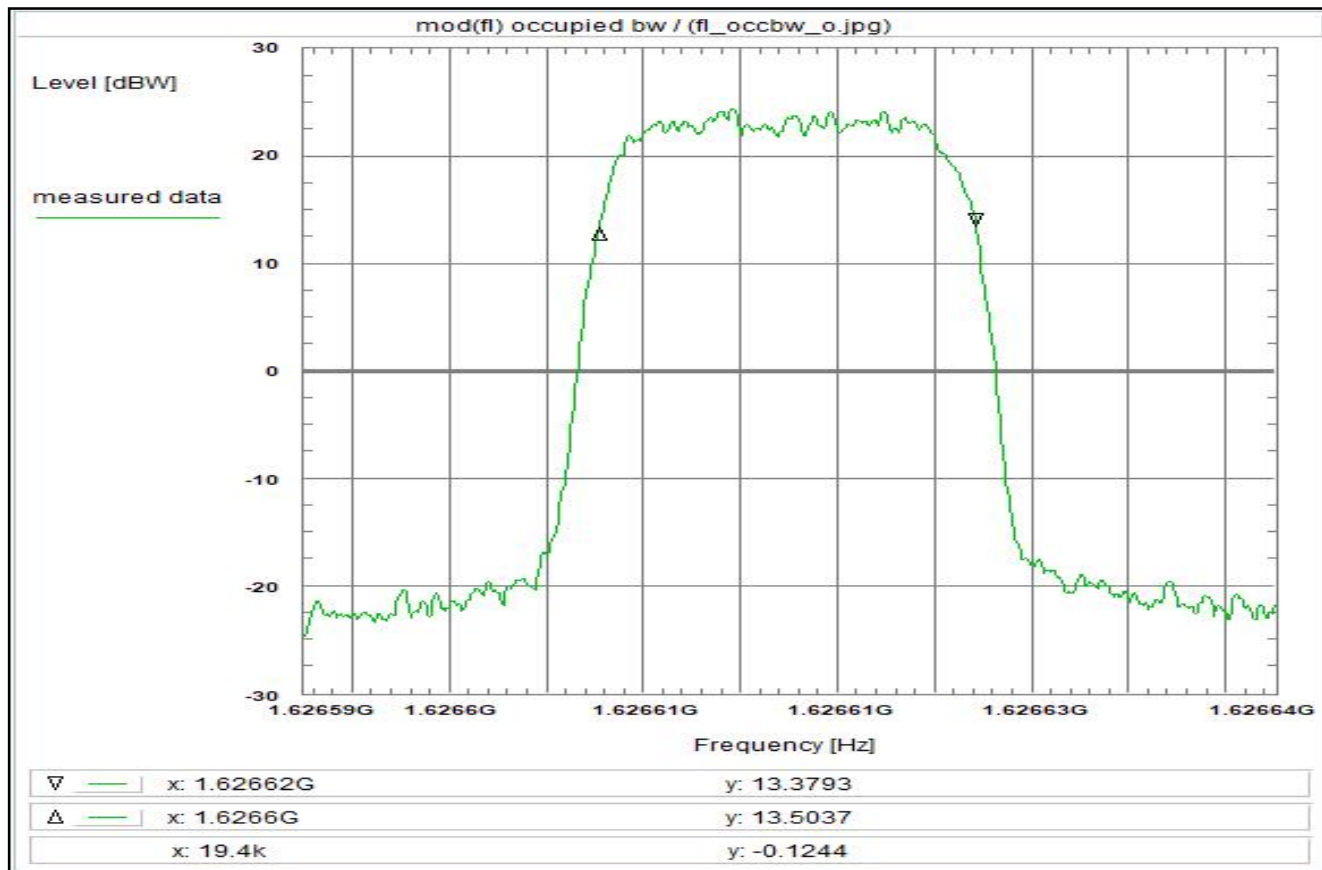
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at f1:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 24



Subclause: -/- Function test
Modulated rf-carrier at the lower edge of the band (f1)
Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
A700S Class 6 HDR PIESD, fl R20T0.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, R001

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 05/Jun/2020 12:56:47
Location: CTC advanced GmbH, Laboratory RC-SYS
Temperature: 22 °C
Humidity: 55 %
Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6265875 GHz
Stop frequency: 1.6266375 GHz
Center frequency: 1.6266125 GHz
Frequency span: 50 kHz
Resolution-BW: 1 kHz
Video-BW: 3 kHz
Input attenuation: 40 dB
Trace-Mode: Max-Hold
Detector-Mode: Pos Peak

Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

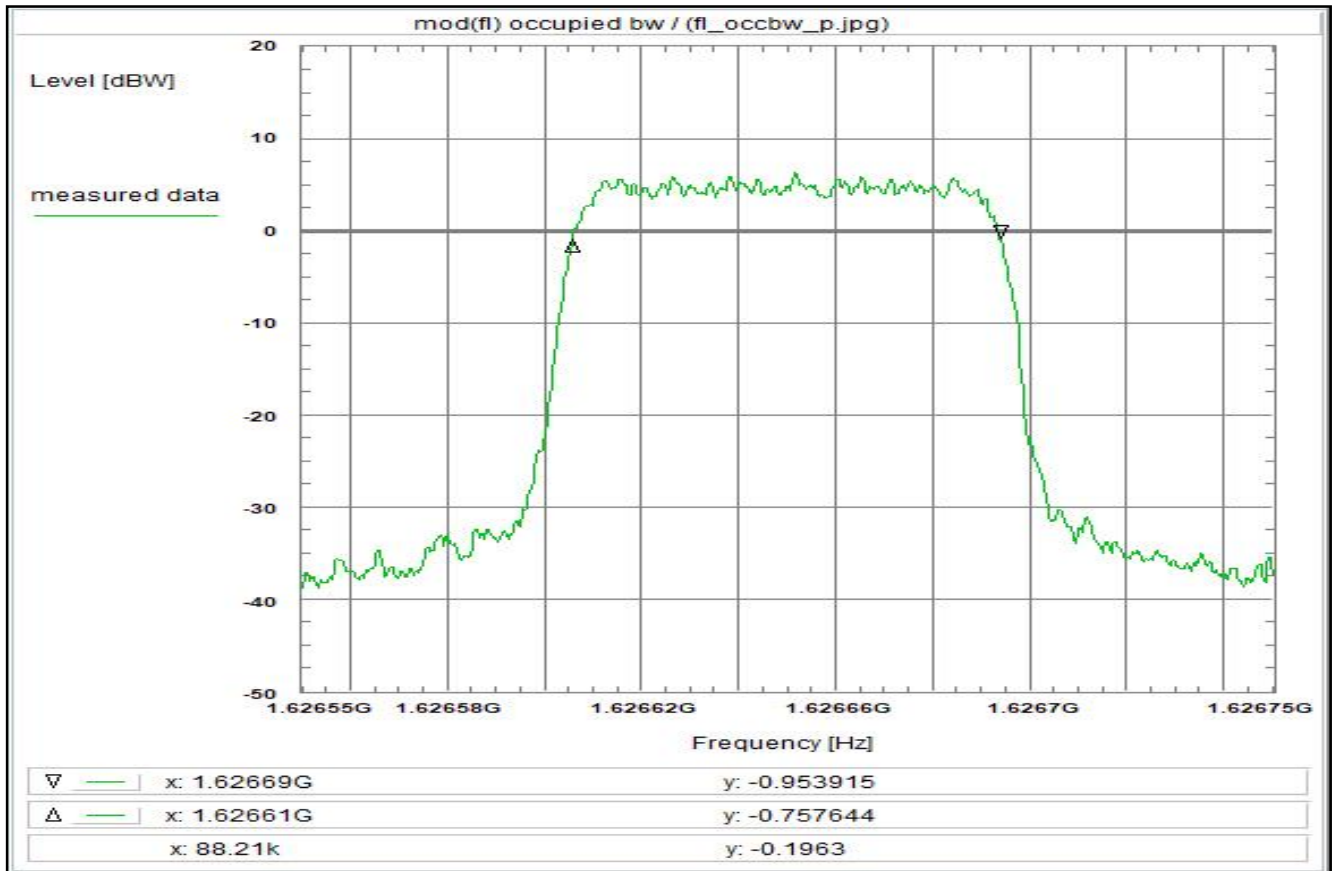
Remarks:

Determination of the 'occupied bandwidth' at f1:

The measured value is about 19 kHz (delta marker)

Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 25



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, FR80T2.5X16

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:11:08
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.62655 GHz
 Stop frequency: 1.62675 GHz
 Center frequency: 1.62665 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

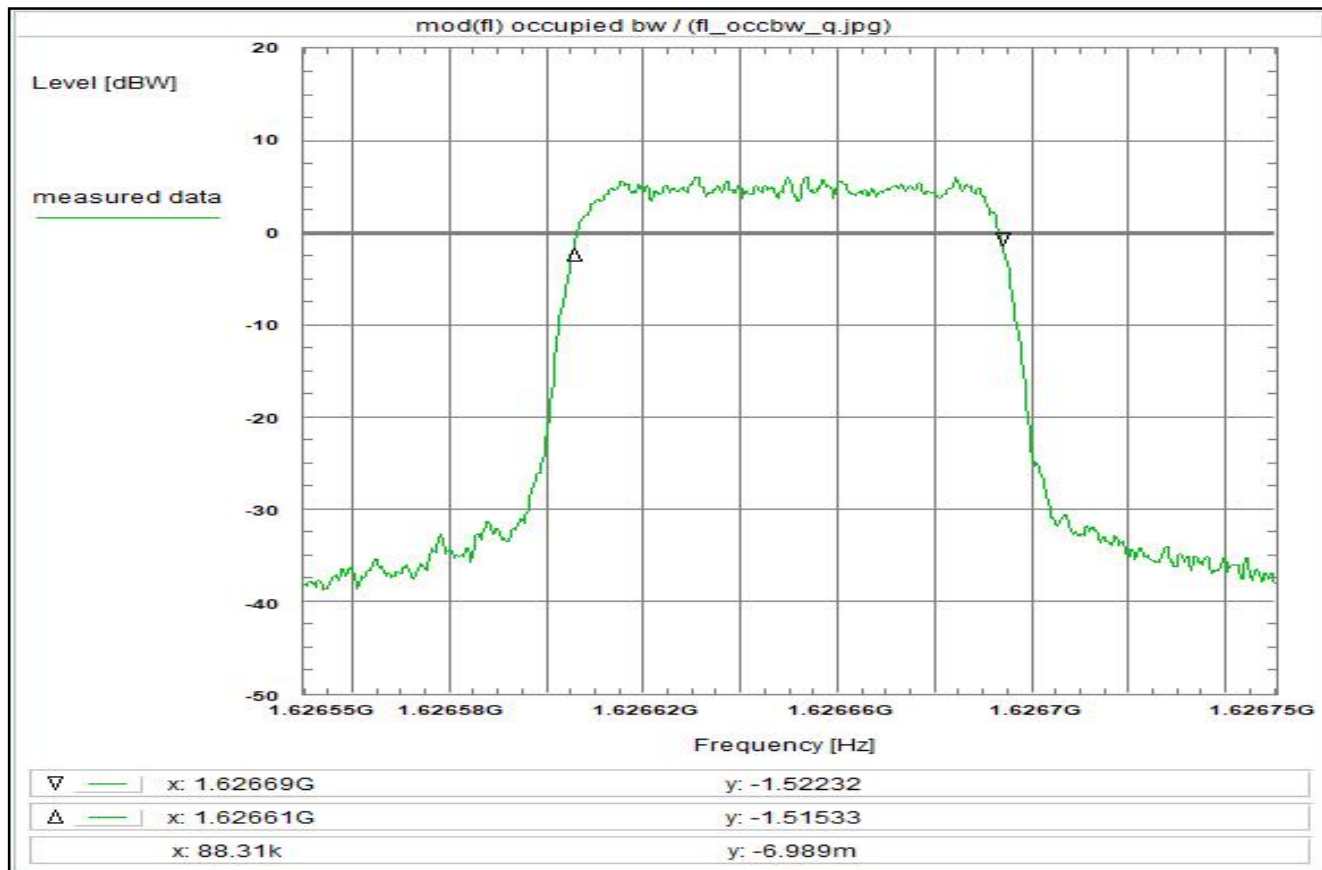
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fl:

The measured value is about 88 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 26



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (fl)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, FR80T2.5X32

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:13:12
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.62655 GHz
 Stop frequency: 1.62675 GHz
 Center frequency: 1.62665 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

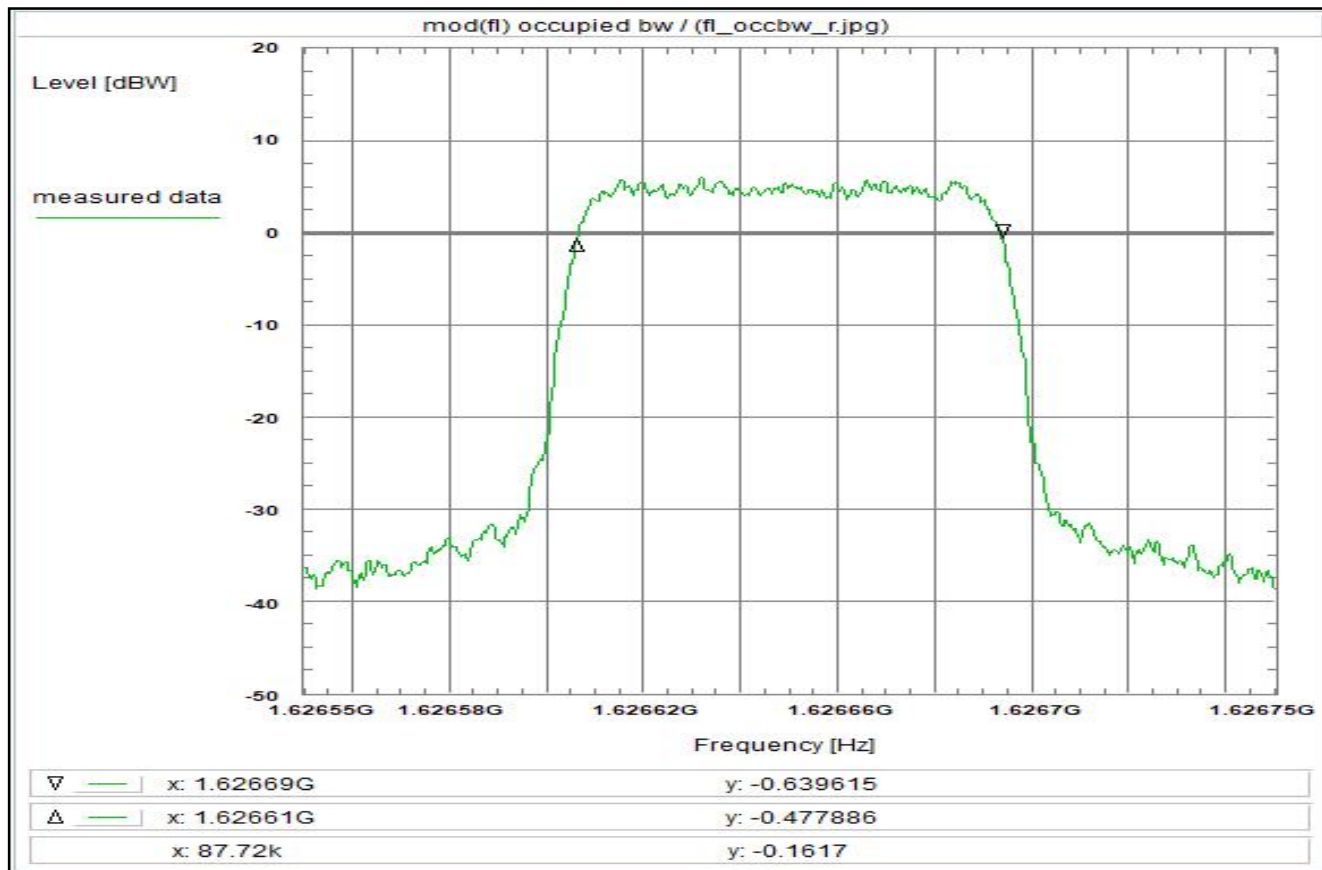
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fl:

The measured value is about 88 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 27



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (f1)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, FR80T.2.5X64

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:15:21
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.62655 GHz
 Stop frequency: 1.62675 GHz
 Center frequency: 1.62665 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

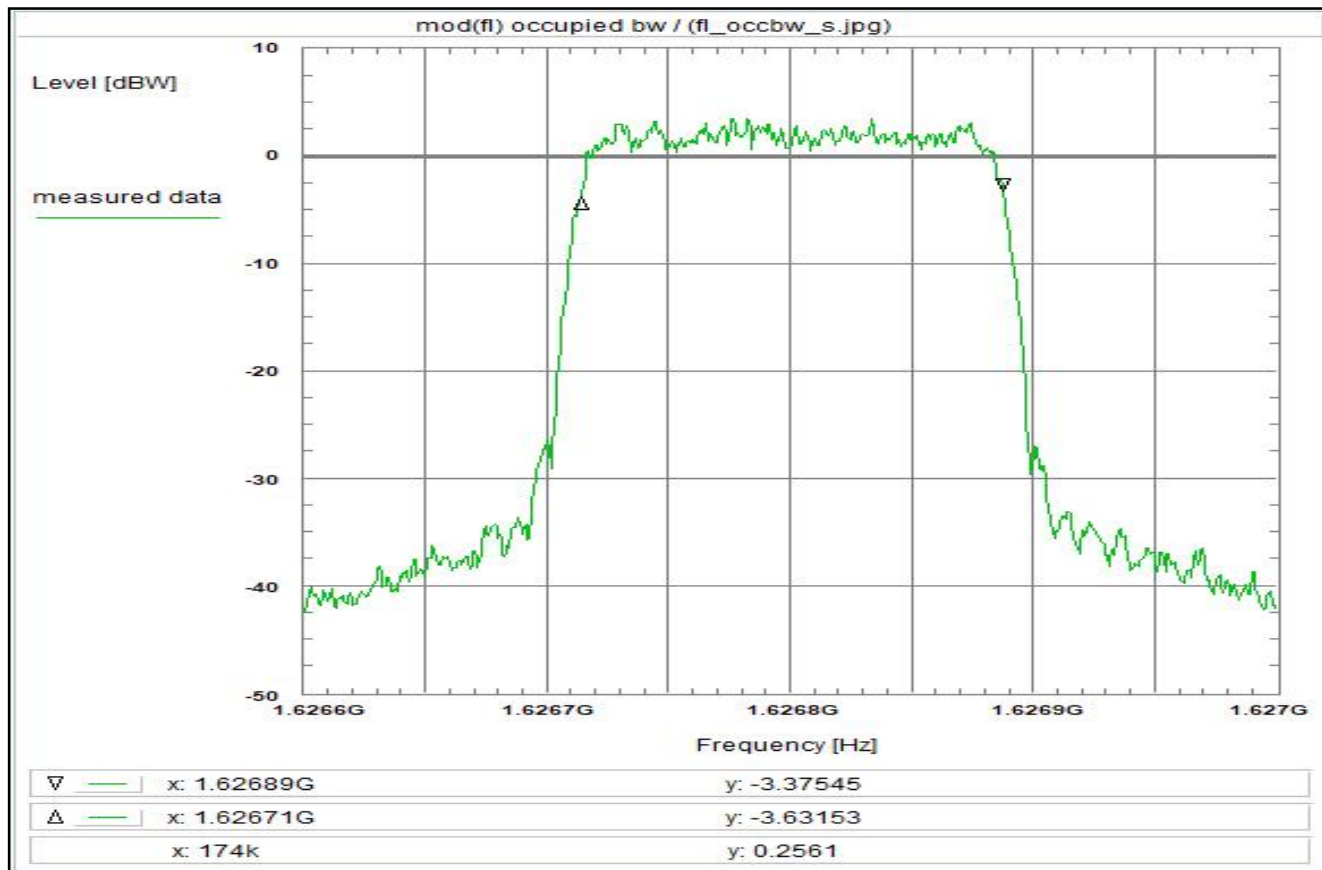
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at f1:

The measured value is about 88 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 28



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (f1)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, FR80T5X16

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:17:26
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6266 GHz
 Stop frequency: 1.627 GHz
 Center frequency: 1.6268 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

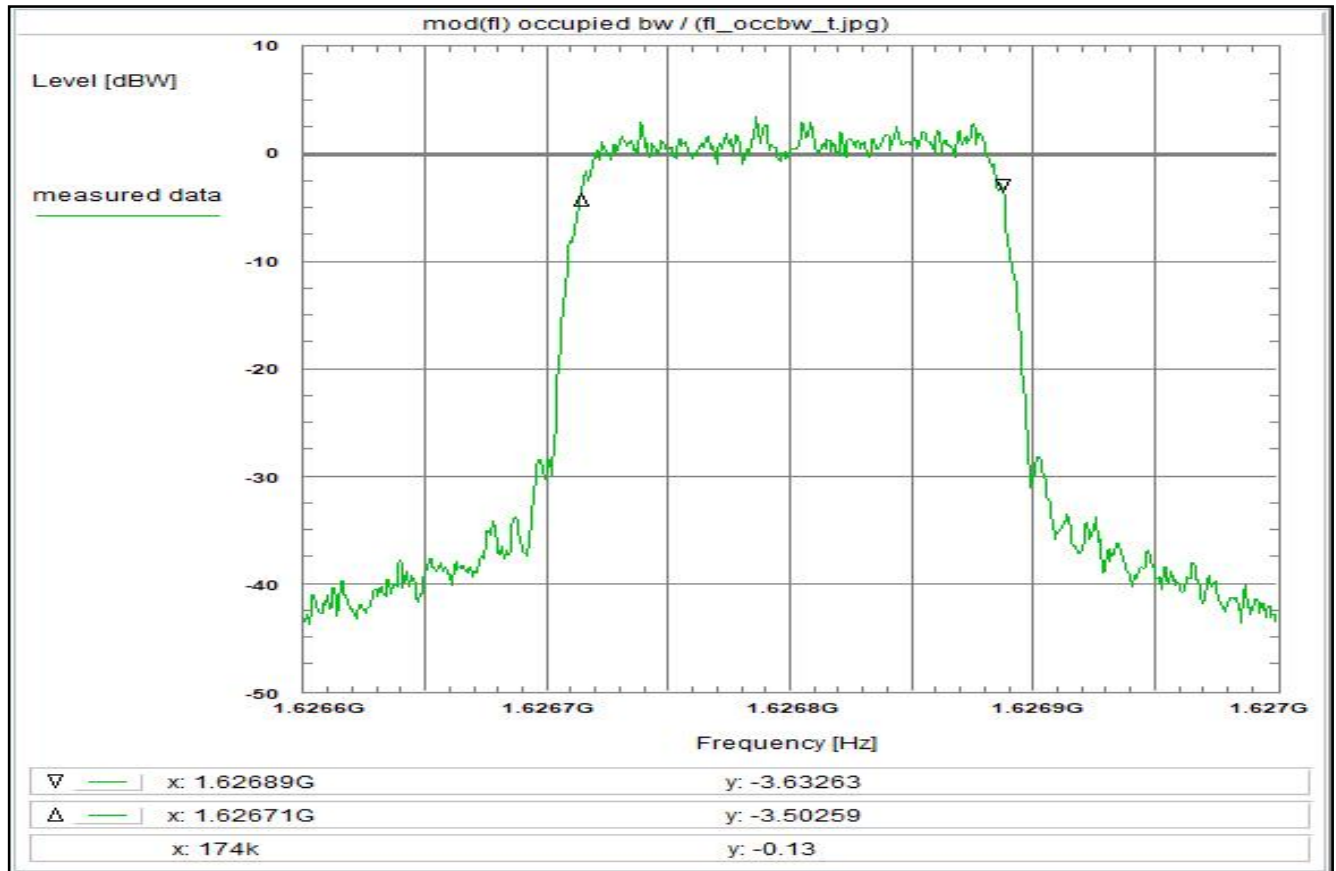
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at f1:

The measured value is about 174 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 29



Subclause: -/- Function test
 Modulated rf-carrier at the lower edge of the band (f1)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fl, FR80T5X32

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:18:38
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6266 GHz
 Stop frequency: 1.627 GHz
 Center frequency: 1.6268 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

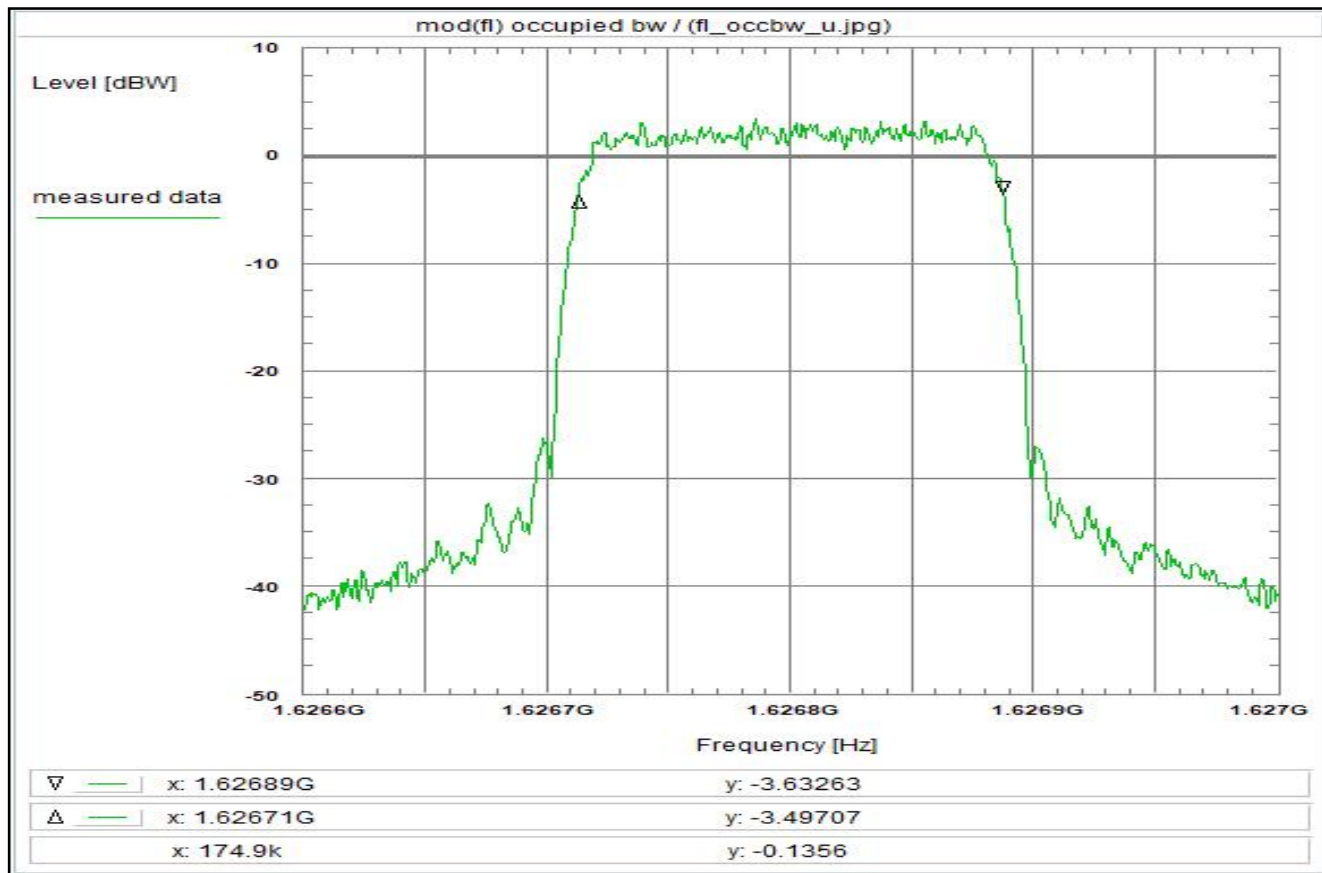
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at f1:

The measured value is about 174 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 30



Subclause: -/- Function test
Modulated rf-carrier at the lower edge of the band (f1)
Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
A700S Class 6 HDR PIESD, fl, FR80T5X64

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:20:03
Location: CTC advanced GmbH, Laboratory RC-SYS
Temperature: 22 °C
Humidity: 55 %
Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6266 GHz
Stop frequency: 1.627 GHz
Center frequency: 1.6268 GHz
Frequency span: 400 kHz
Resolution-BW: 3 kHz
Video-BW: 10 kHz
Input attenuation: 40 dB
Trace-Mode: Max-Hold
Detector-Mode: Pos Peak

Correction:

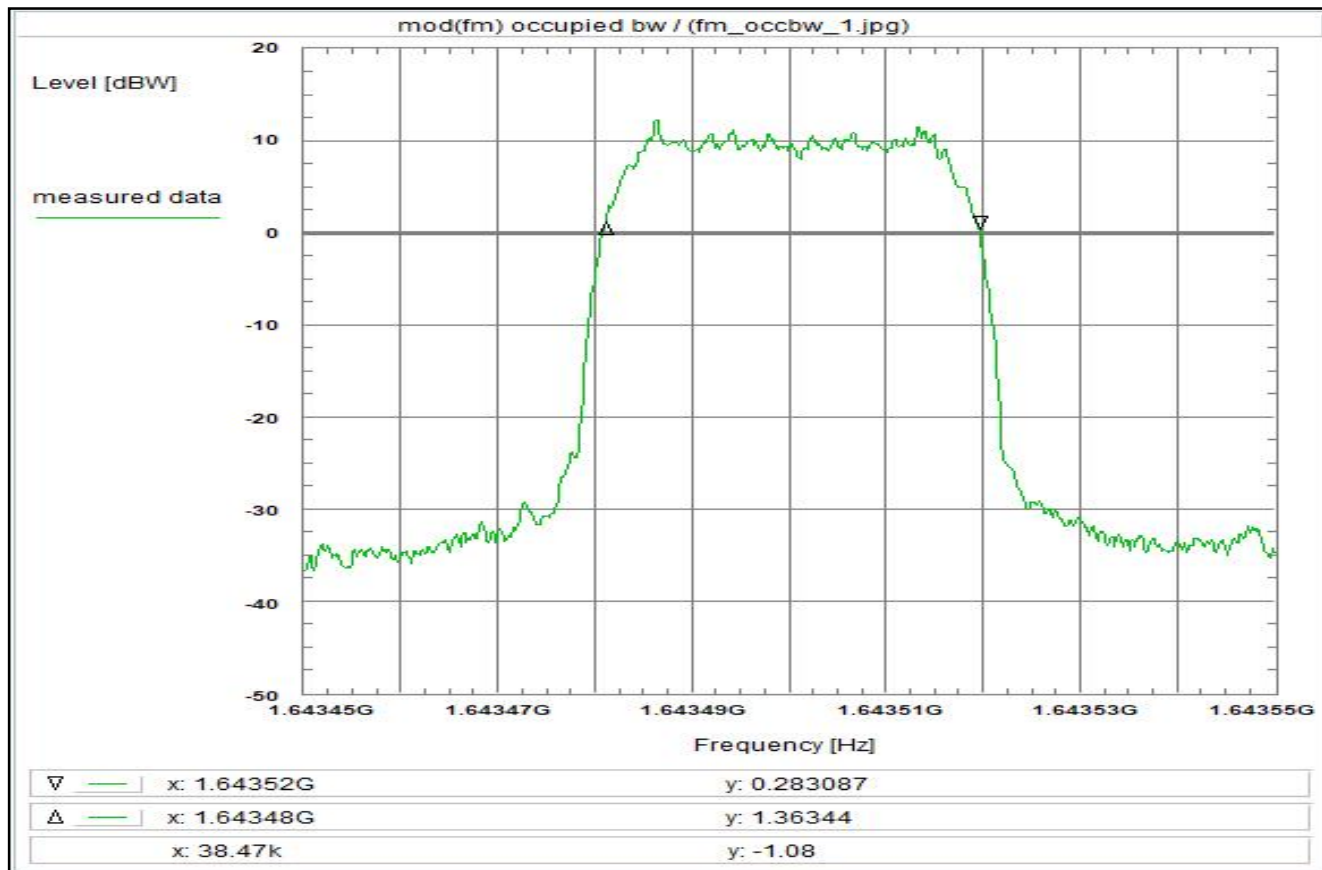
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at f1:

The measured value is about 174 kHz (delta marker)
Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 31



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fm, R5T1XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, R001, U312, U311, Power Splitter

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 11:53:45
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.64345 GHz
 Stop frequency: 1.64355 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

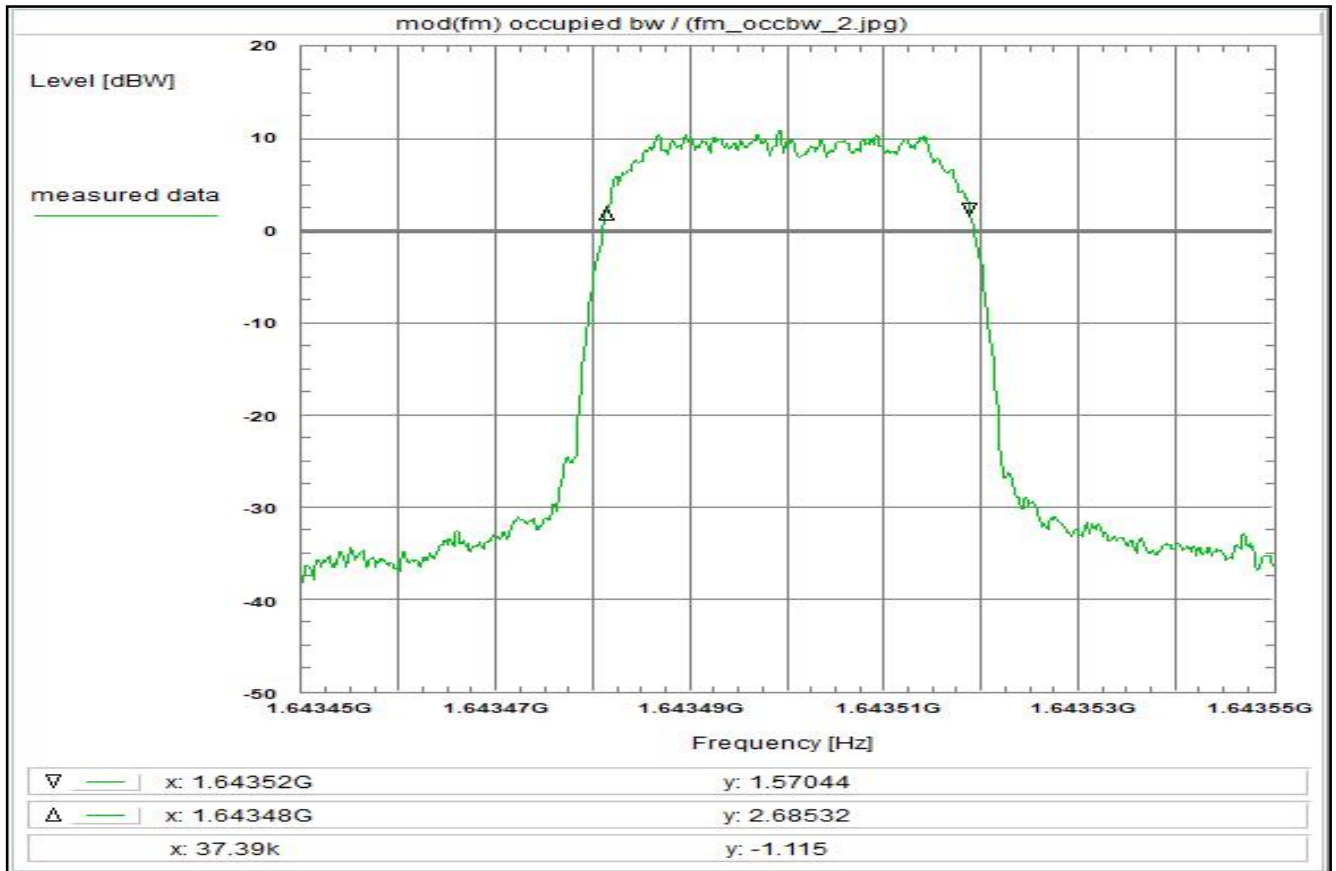
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 38 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 32



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fm, R20T1XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 11:59:27
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.64345 GHz
 Stop frequency: 1.64355 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

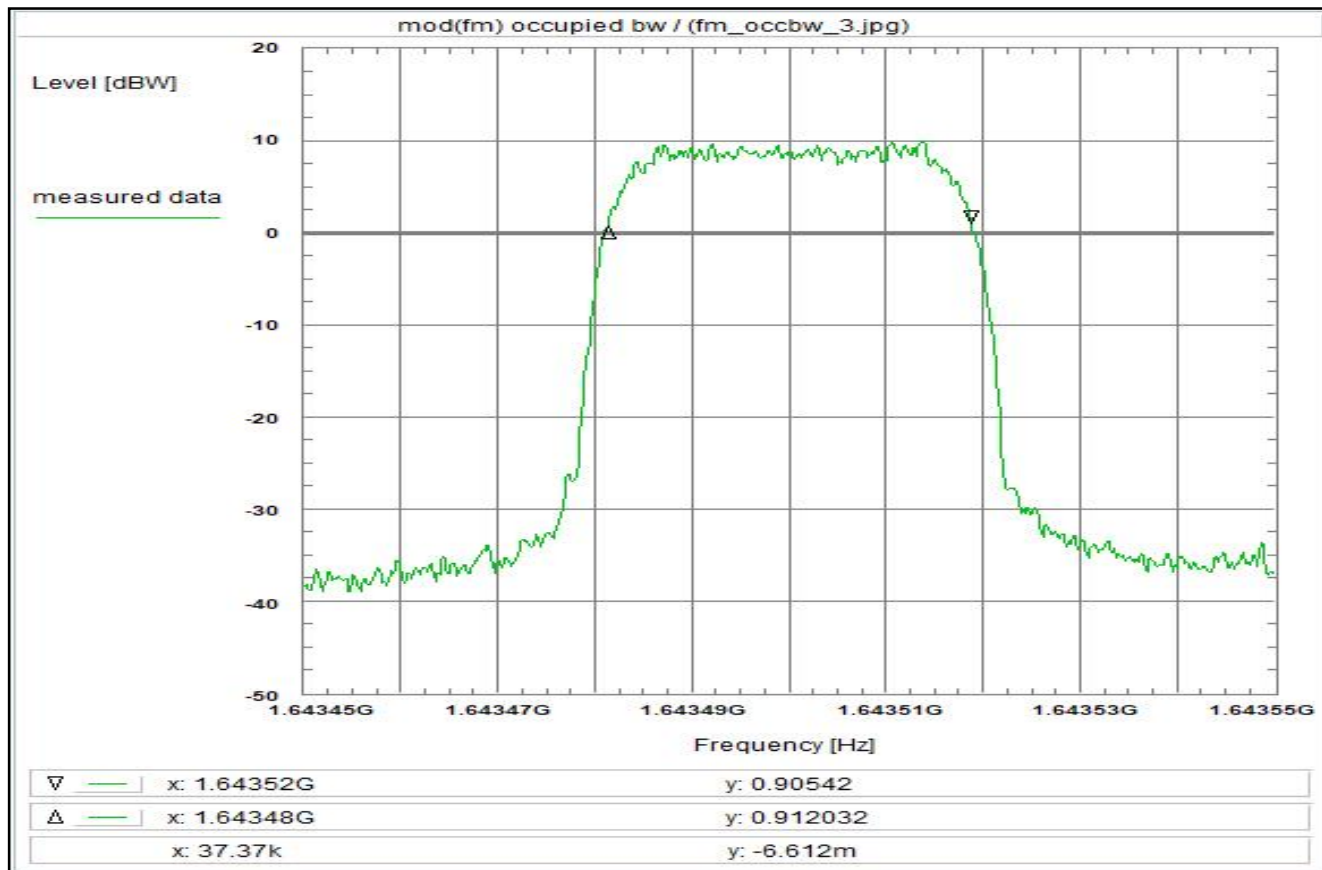
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 37 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 33



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fm, R20T1QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 12:03:53
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.64345 GHz
 Stop frequency: 1.64355 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

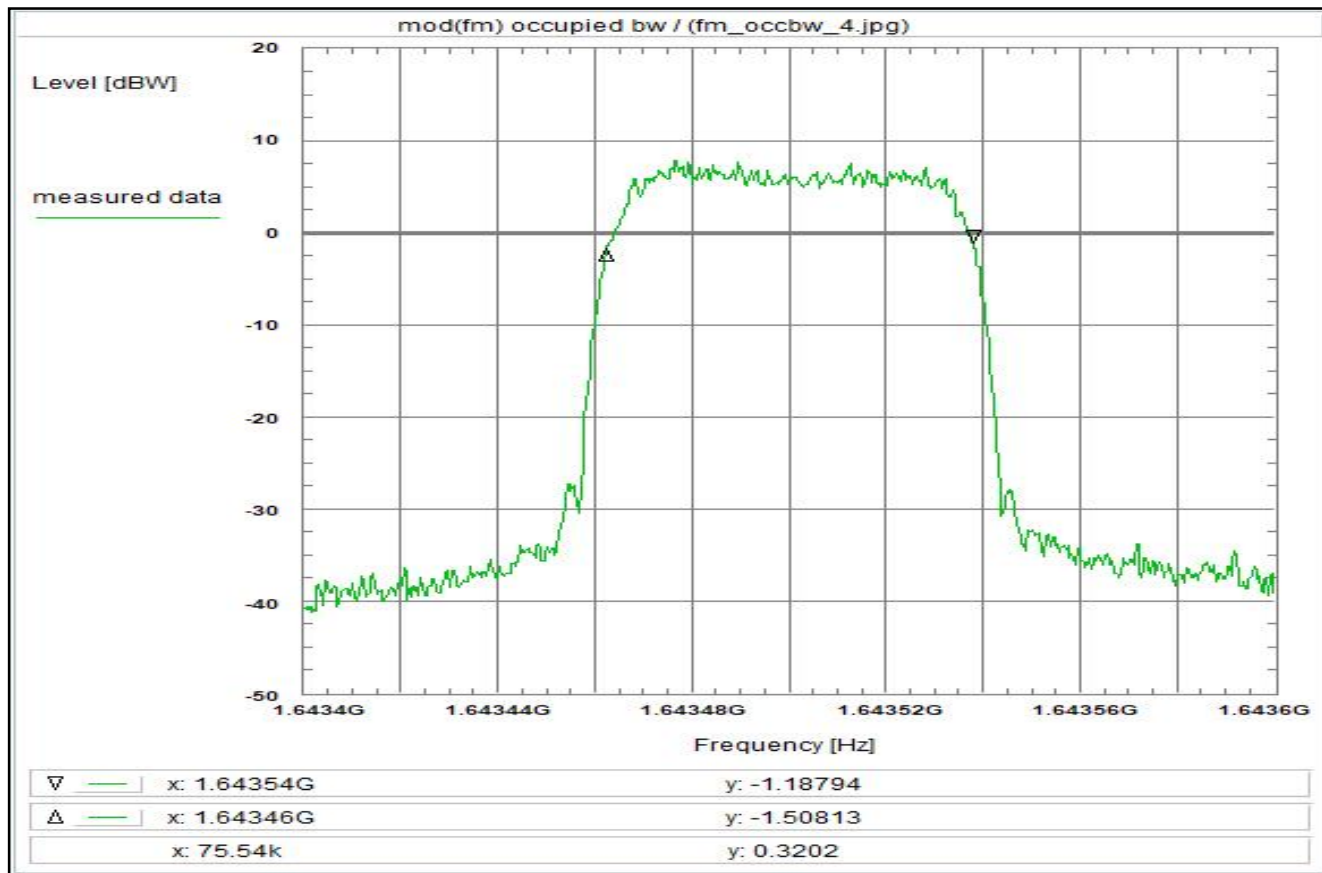
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 37 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 34



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fm, R5T2XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 12:11:49
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6434 GHz
 Stop frequency: 1.6436 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

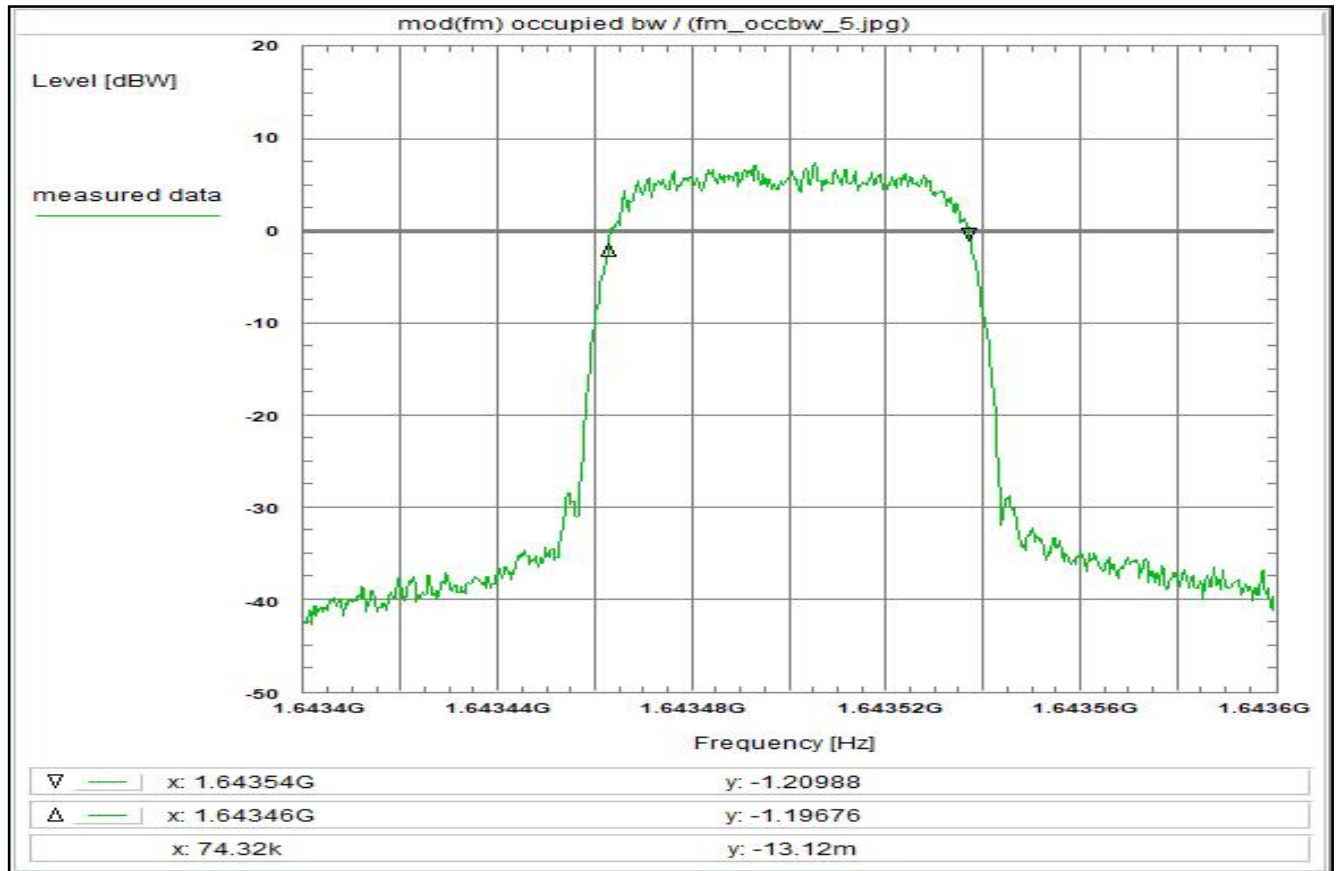
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:Determination of the 'occupied bandwidth' at fm:

The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 35



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fm, R20T2XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 12:16:39
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6434 GHz
 Stop frequency: 1.6436 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

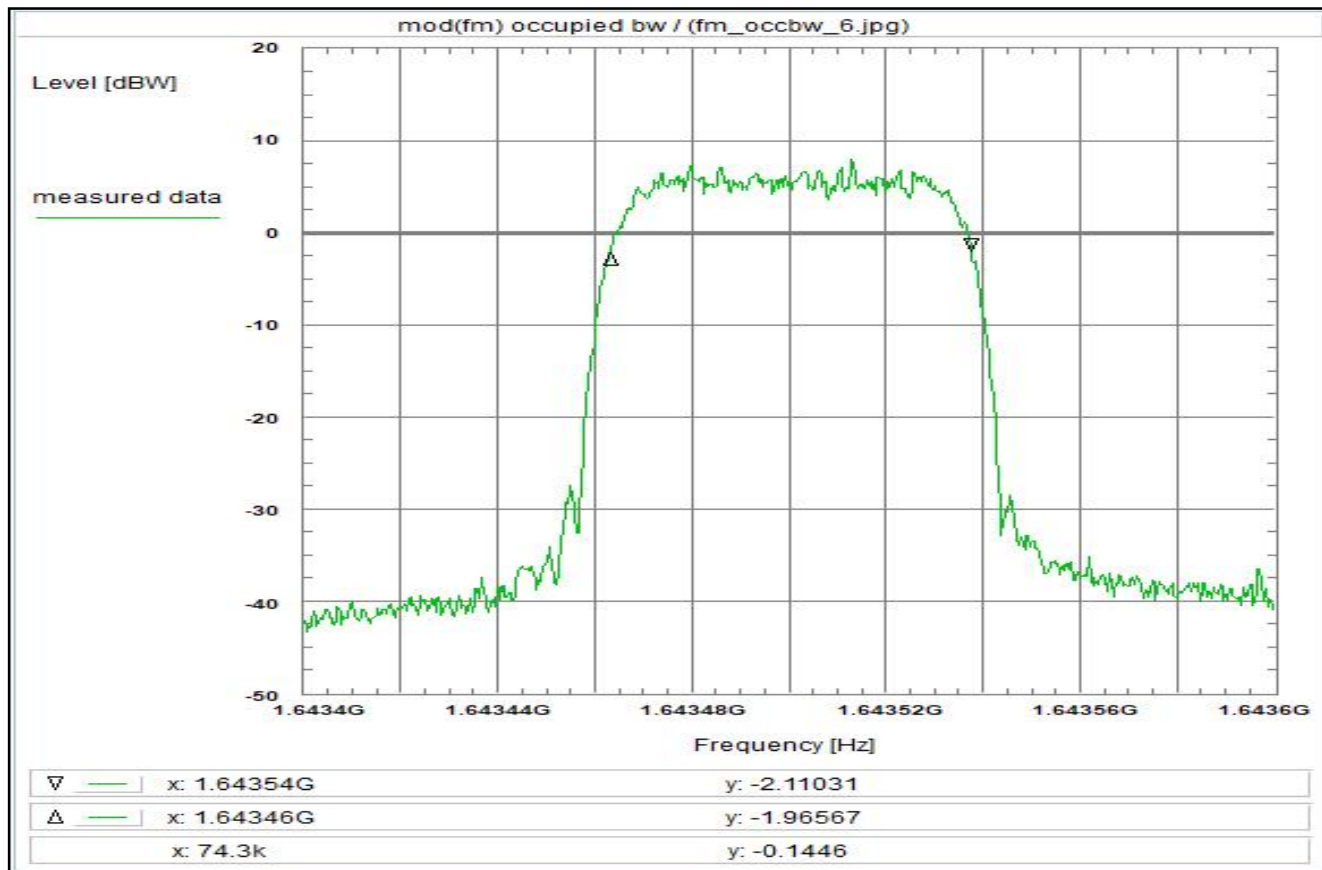
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:Determination of the 'occupied bandwidth' at fm:

The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 36



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fm, R20T2QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 12:25:06
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6434 GHz
 Stop frequency: 1.6436 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

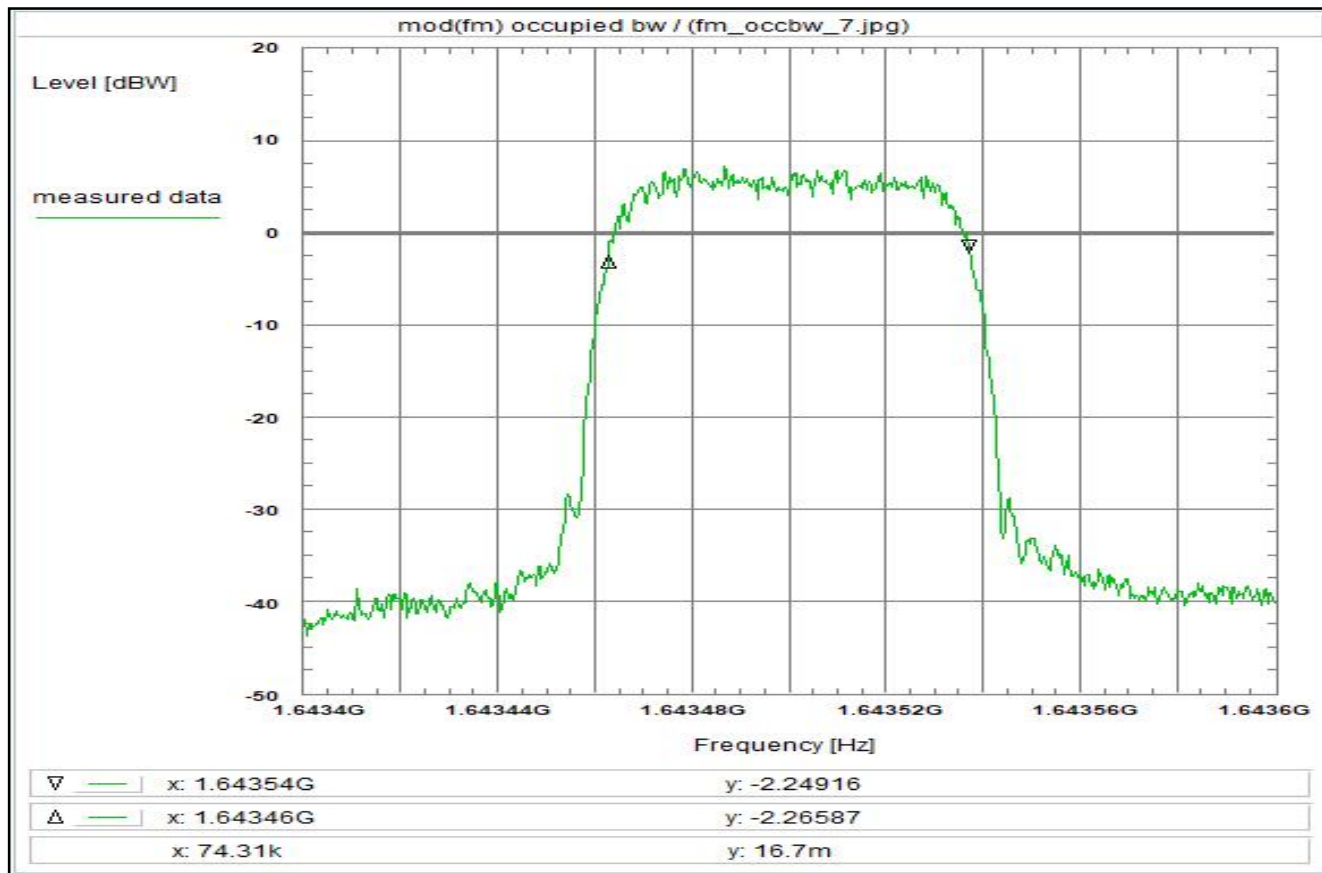
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 37



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fm, R2T2QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 12:28:39
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6434 GHz
 Stop frequency: 1.6436 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

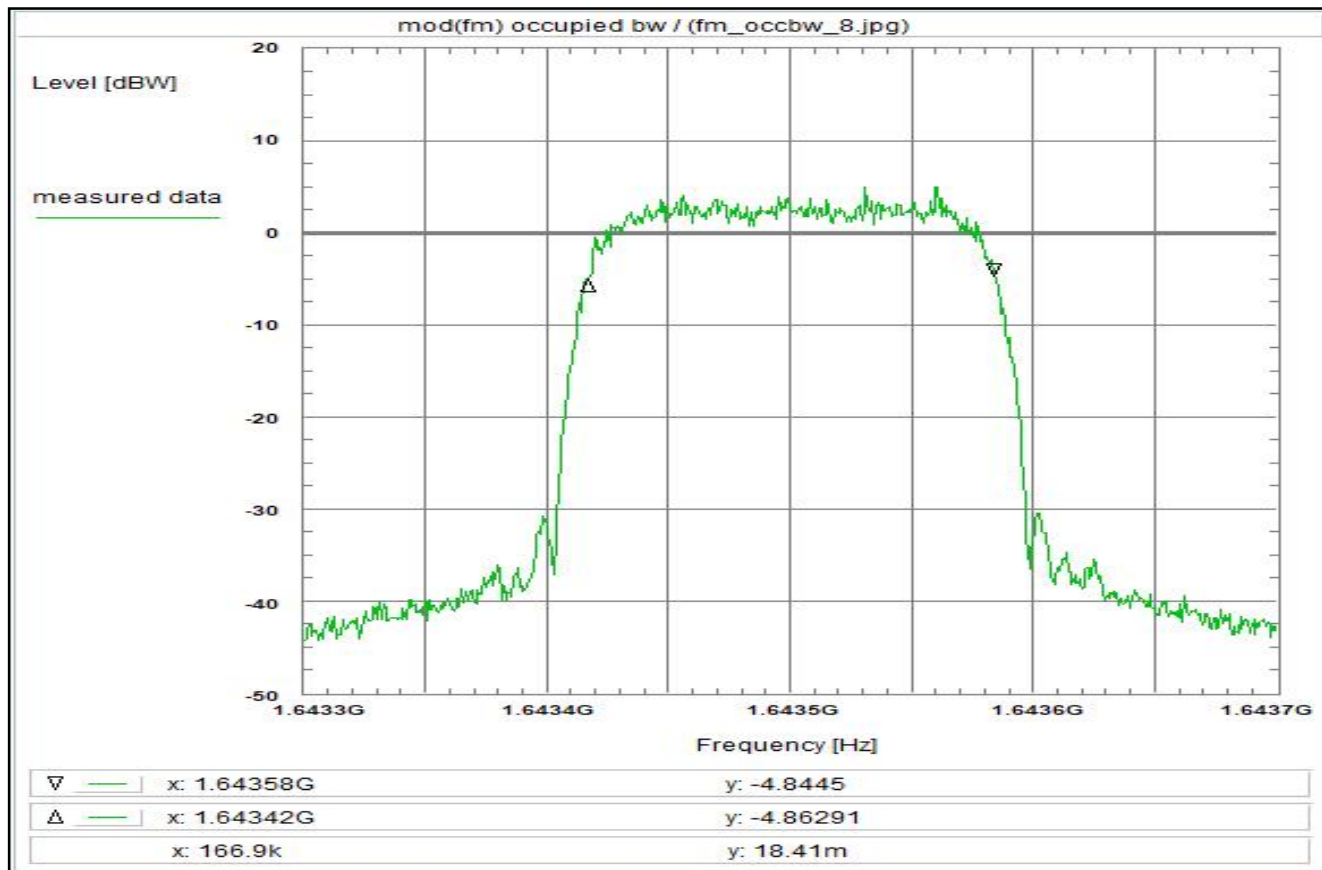
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 38



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fm, R5T4.5XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 13:38:26
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6433 GHz
 Stop frequency: 1.6437 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

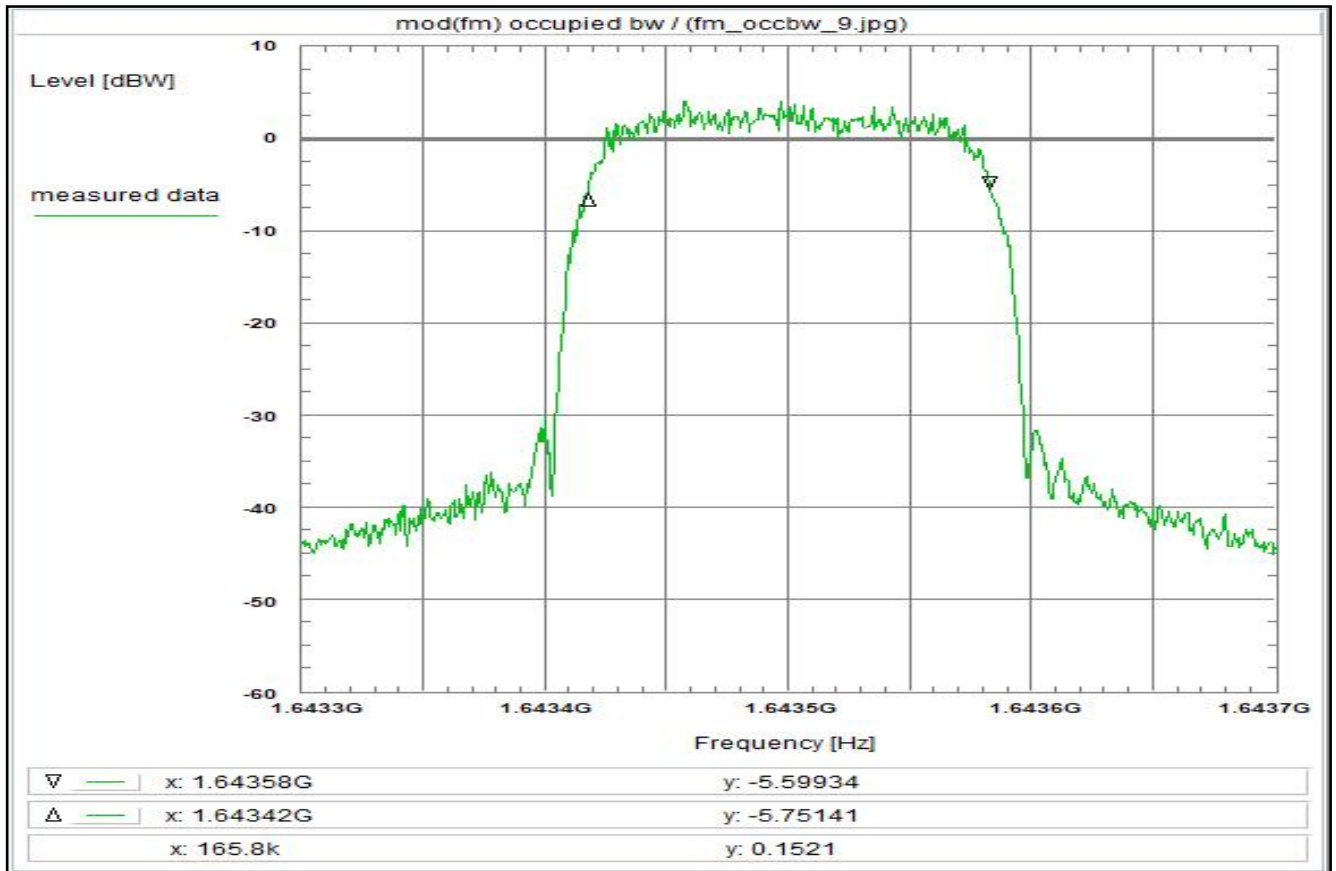
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 39



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fm, R20T4.5XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 13:43:32
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6433 GHz
 Stop frequency: 1.6437 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

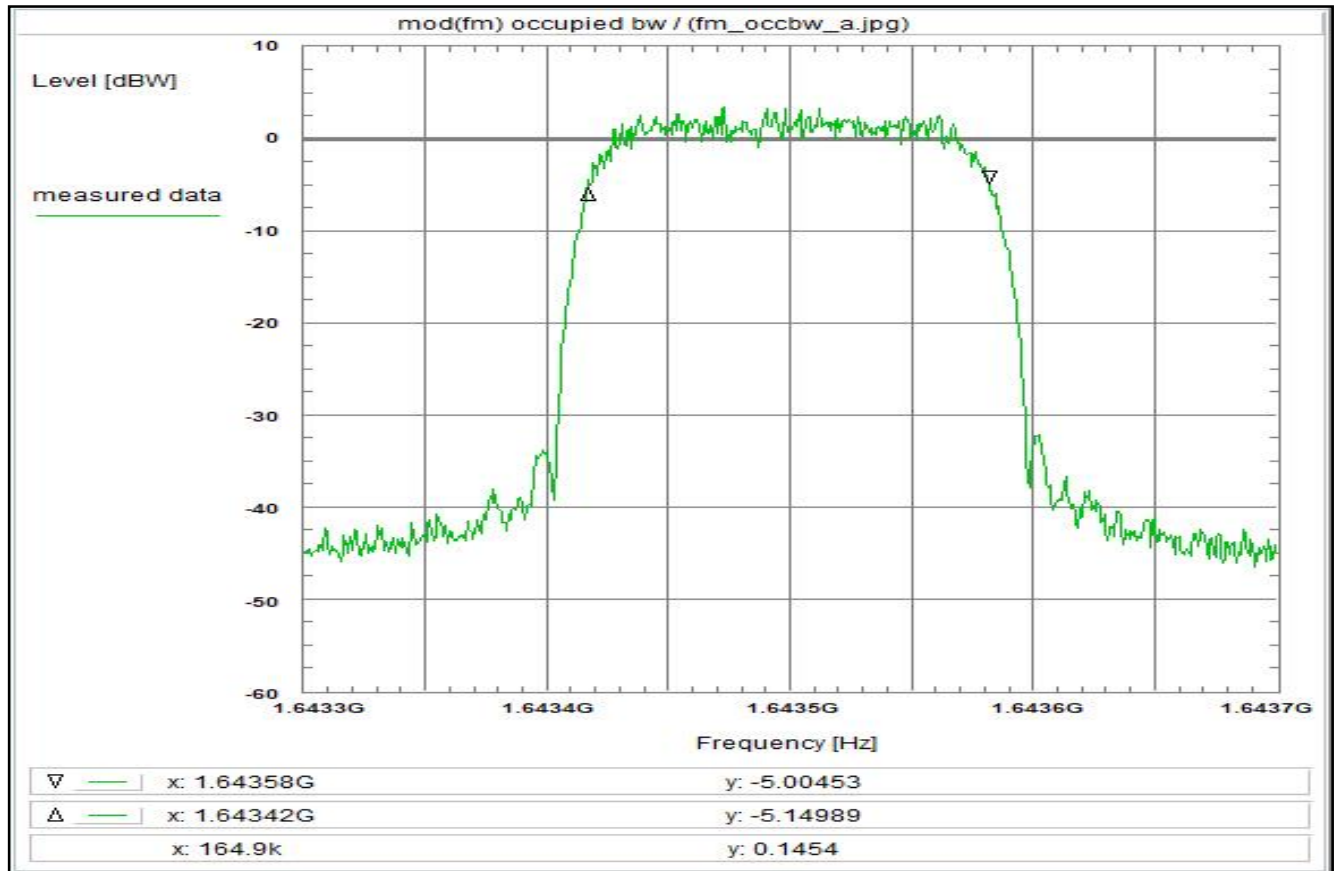
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 166 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 40



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fm, R5T4.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 13:48:20
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6433 GHz
 Stop frequency: 1.6437 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

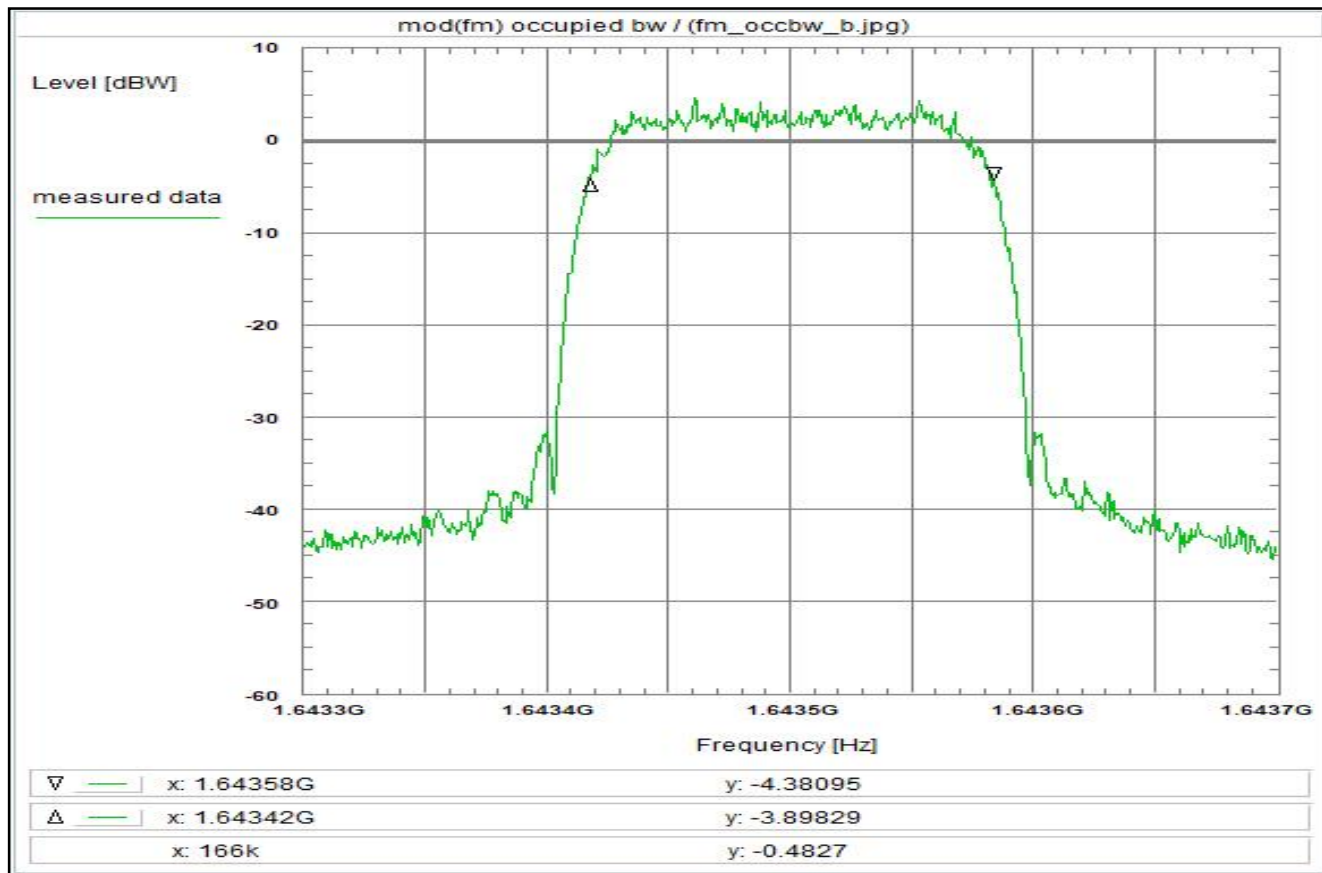
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:Determination of the 'occupied bandwidth' at fm:

The measured value is about 166 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 41



Subclause: -/- Function test
Modulated rf-carrier in the middle of the band (fm)
Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
A700S Class 6 ACD, fm, R20T4.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 13:52:03
Location: CTC advanced GmbH, Laboratory RC-SYS
Temperature: 22 °C
Humidity: 55 %
Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6433 GHz
Stop frequency: 1.6437 GHz
Center frequency: 1.6435 GHz
Frequency span: 400 kHz
Resolution-BW: 1 kHz
Video-BW: 3 kHz
Input attenuation: 40 dB
Trace-Mode: Max-Hold
Detector-Mode: Pos Peak

Correction:

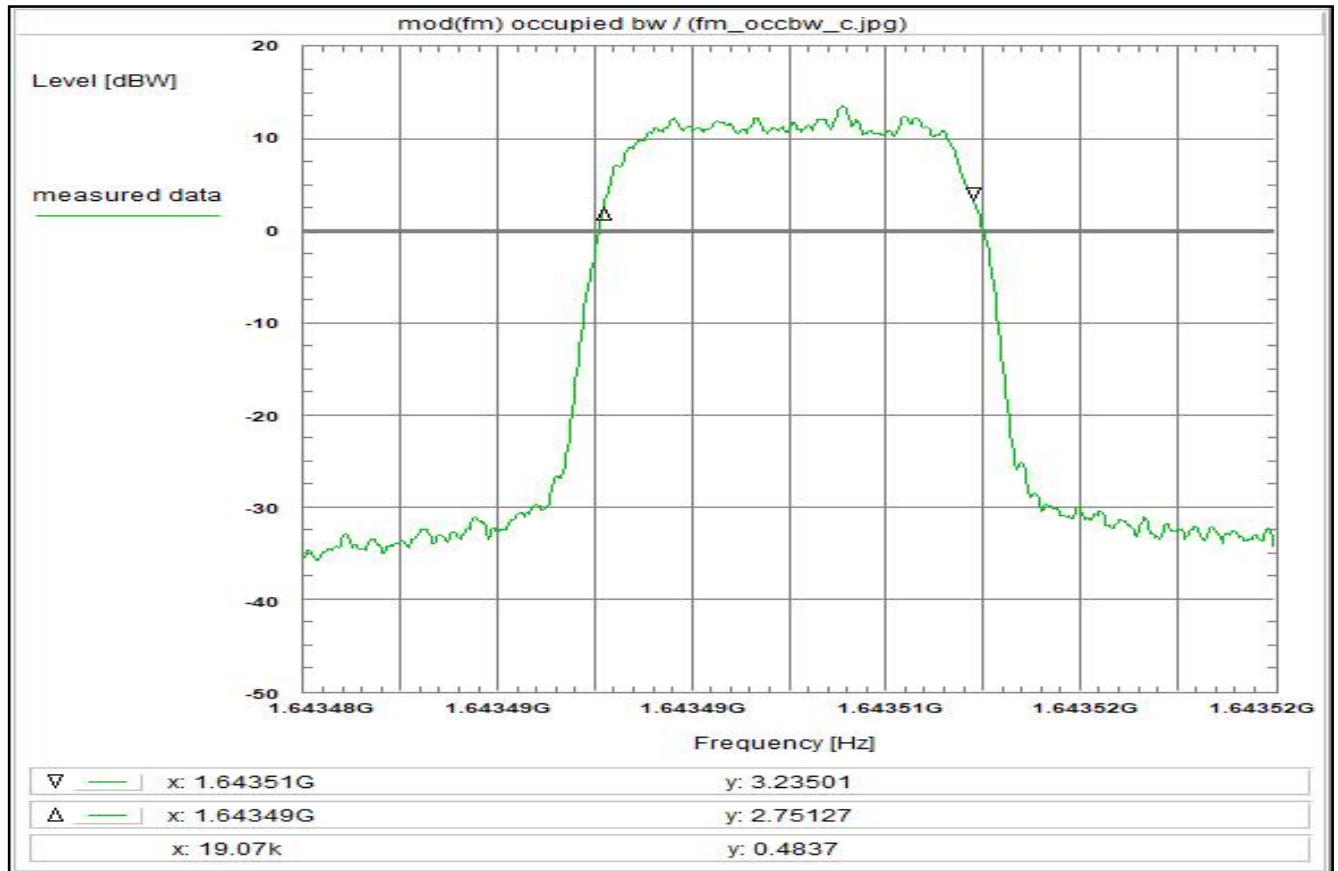
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 166 kHz (delta marker)
Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 42



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fm, R20T0.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 13:55:27
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.643475 GHz
 Stop frequency: 1.643525 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 50 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

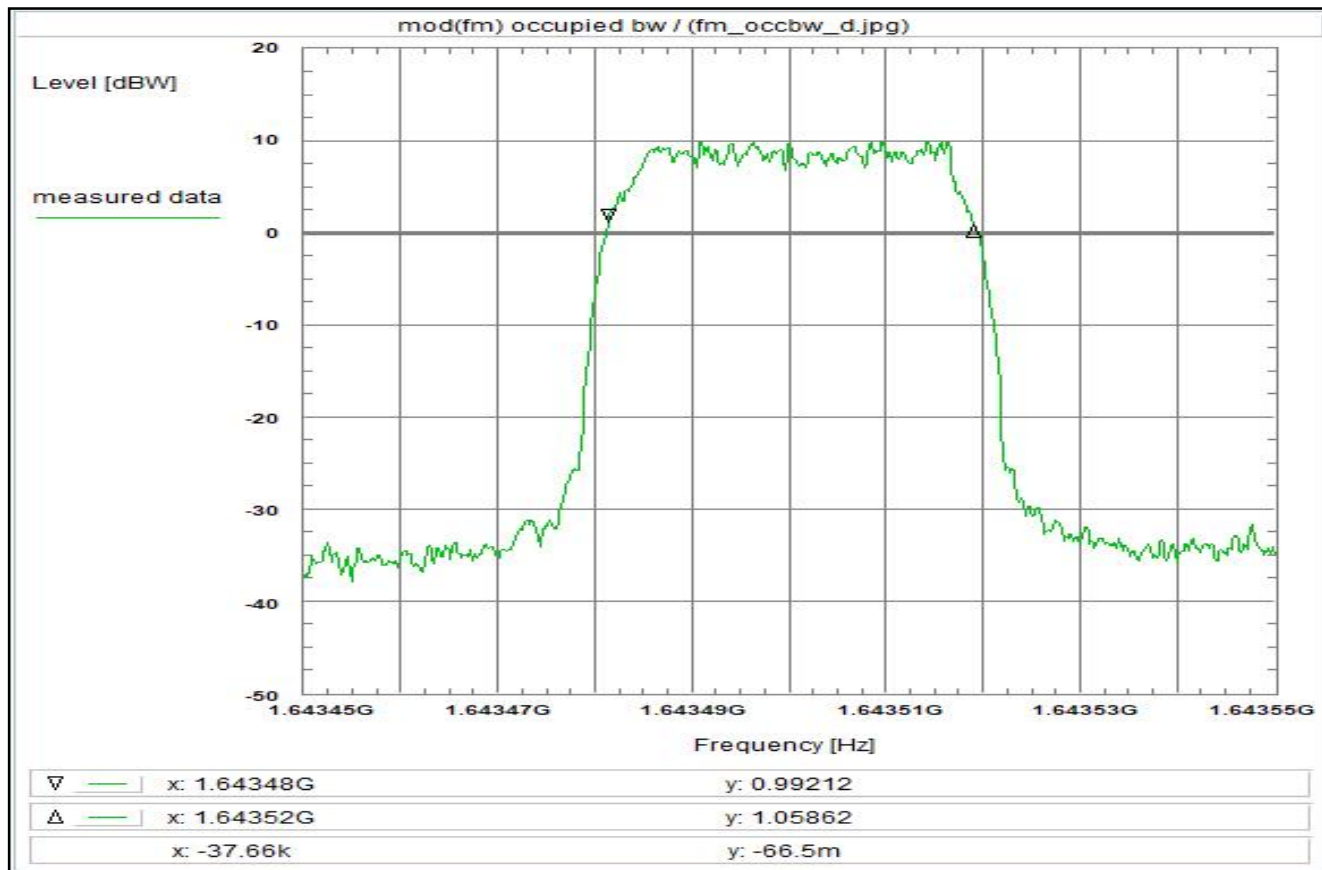
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 19 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 43



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R5T1XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:19:43
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.64345 GHz
 Stop frequency: 1.64355 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

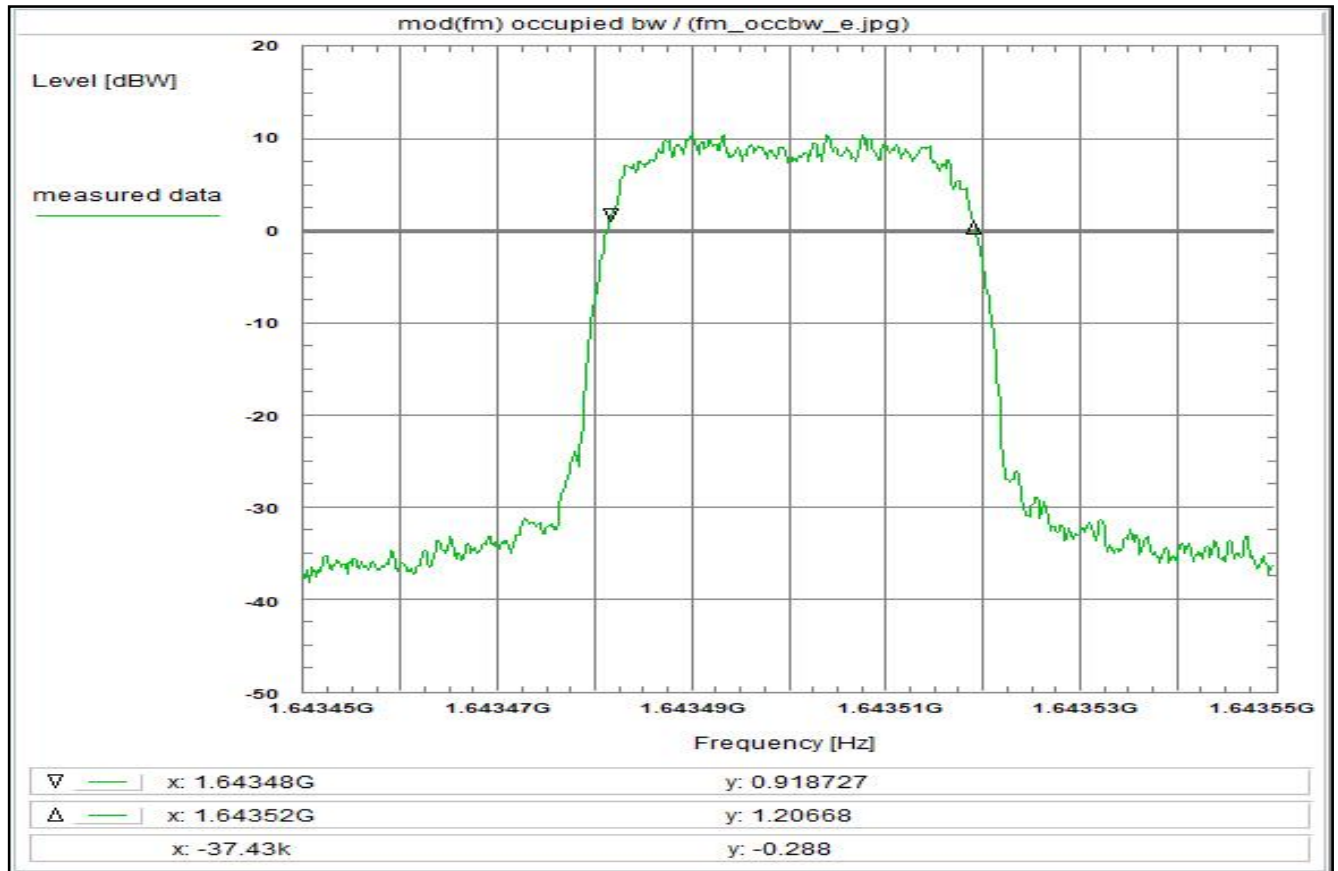
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 38 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 44



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R20T1XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:22:26
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.64345 GHz
 Stop frequency: 1.64355 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

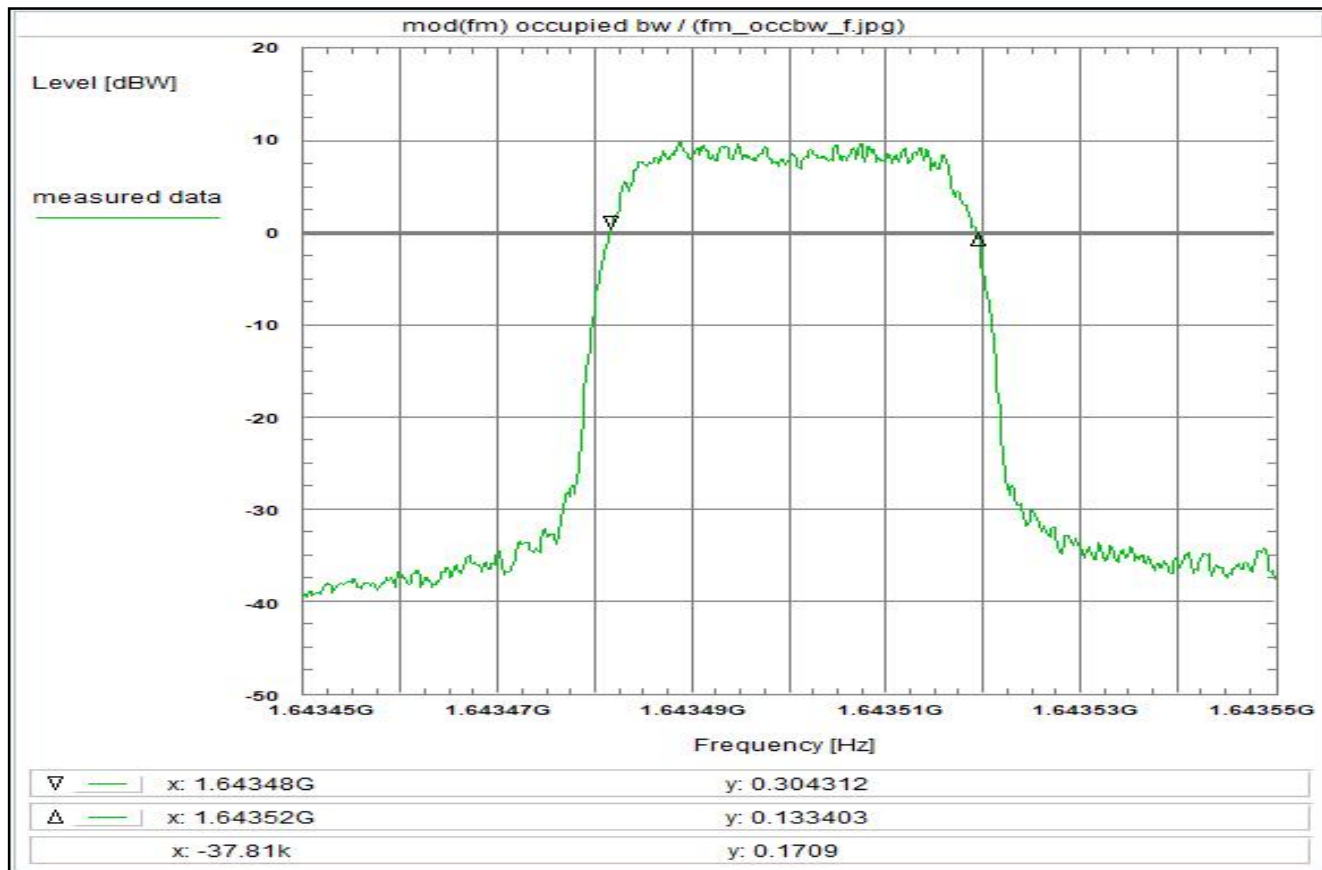
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 37 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 45



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R20T1QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:24:43
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.64345 GHz
 Stop frequency: 1.64355 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

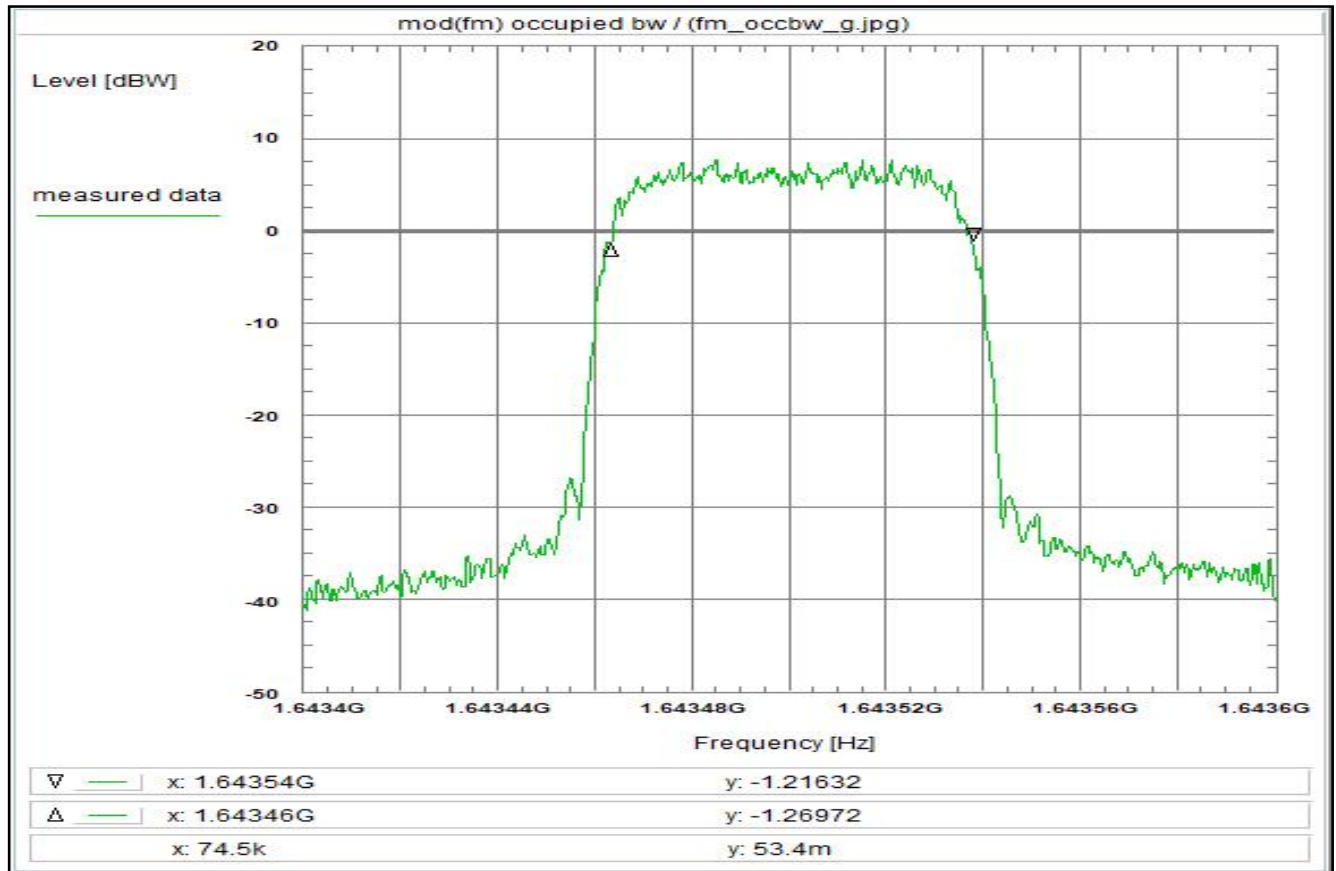
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 37 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 46



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R5T2XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:28:53
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6434 GHz
 Stop frequency: 1.6436 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

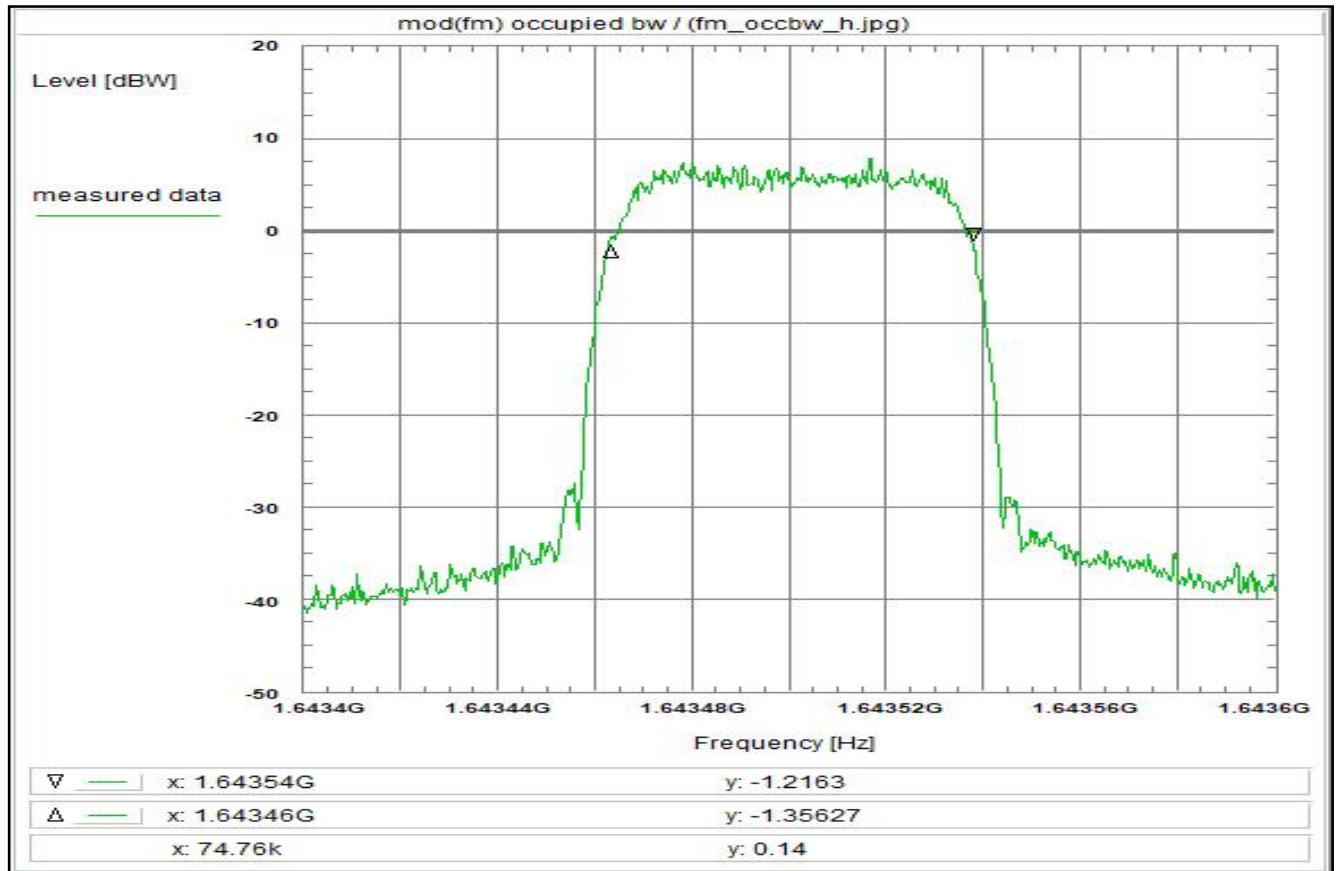
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 75 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 47



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R20T2XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:32:03
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6434 GHz
 Stop frequency: 1.6436 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

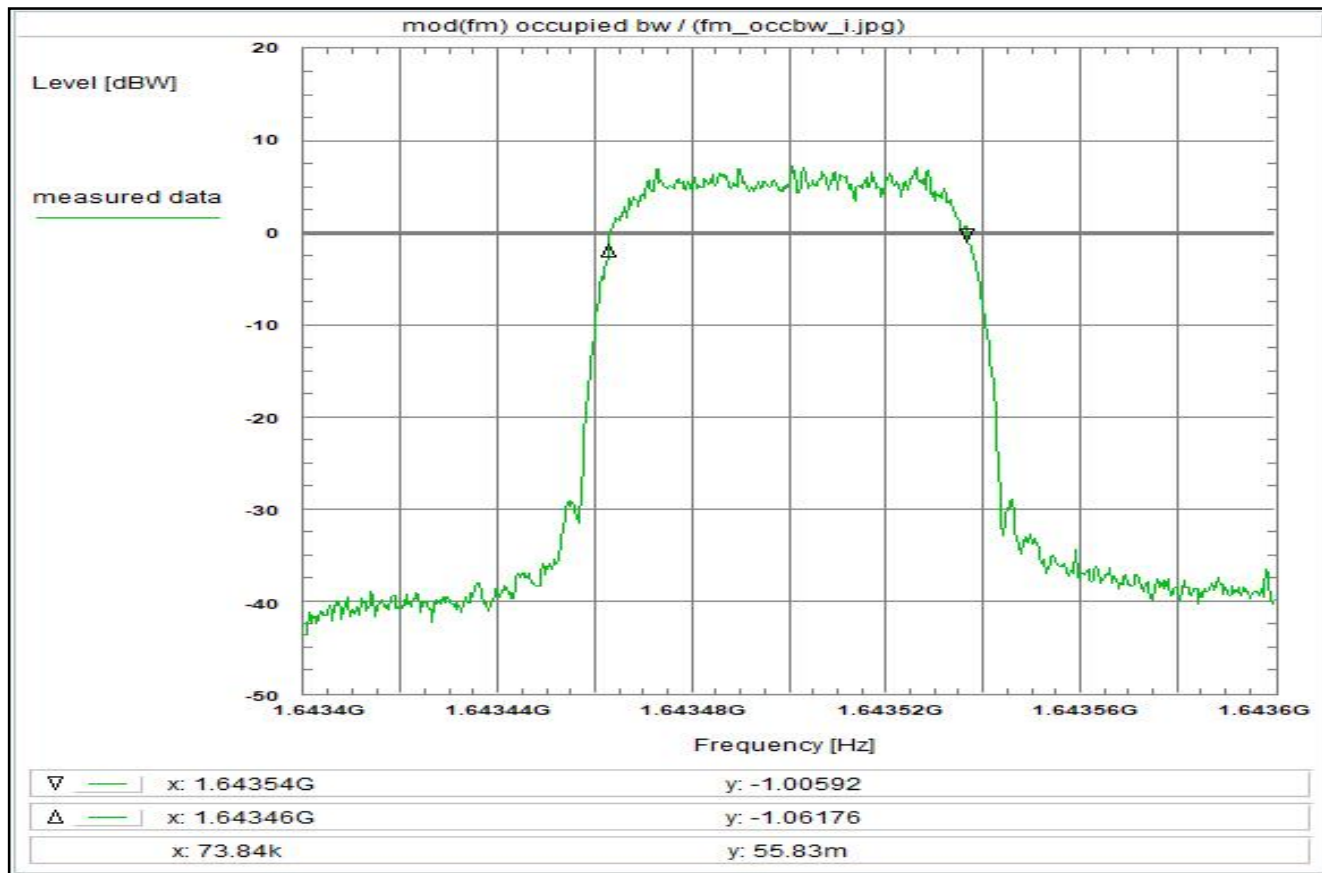
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 75 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 48



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R5T2QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:35:51
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6434 GHz
 Stop frequency: 1.6436 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

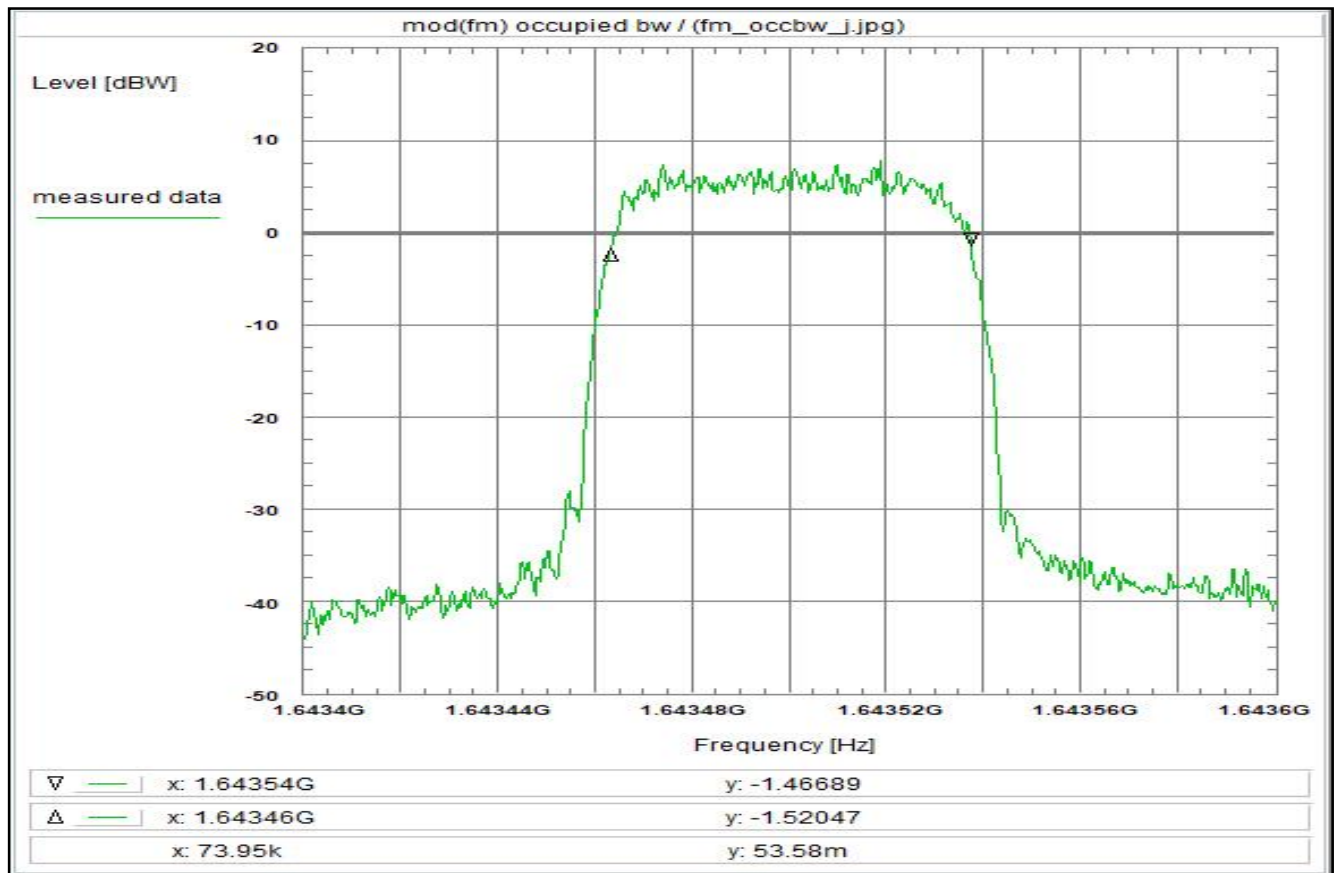
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 49



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R20T2QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:38:17
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6434 GHz
 Stop frequency: 1.6436 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

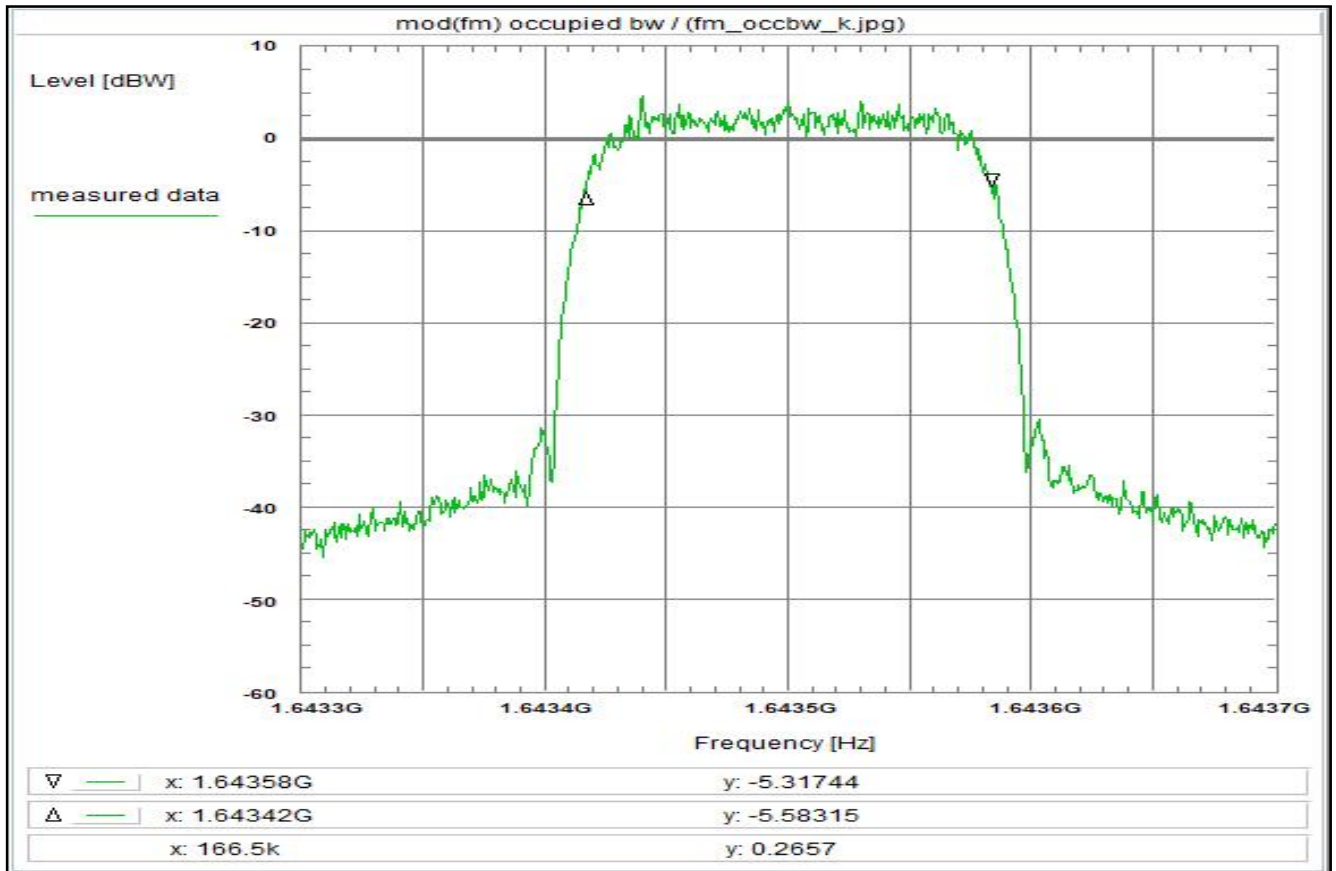
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 50



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R20T4.5XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:44:35
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6433 GHz
 Stop frequency: 1.6437 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

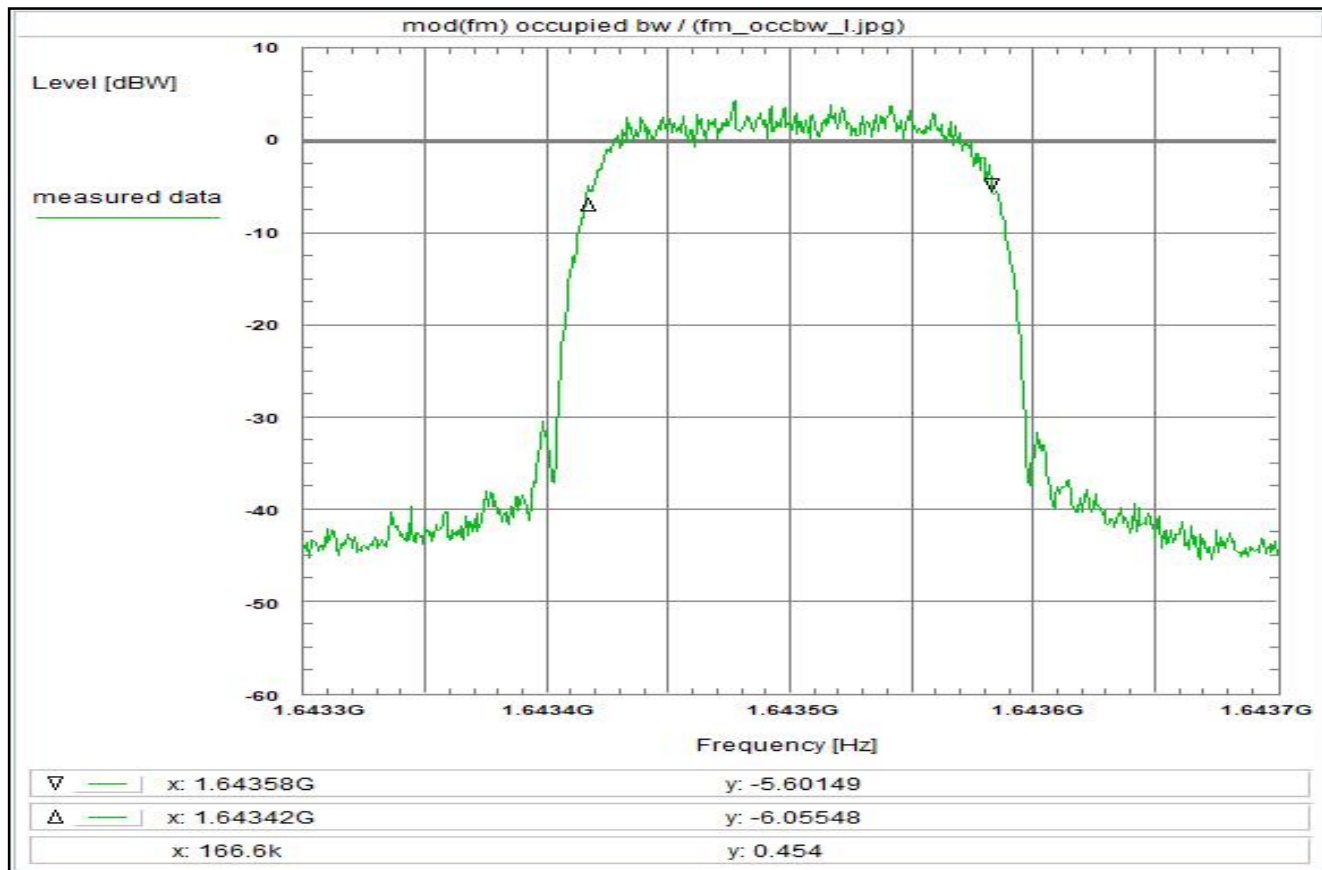
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 51



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R5T4.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:48:20
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6433 GHz
 Stop frequency: 1.6437 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

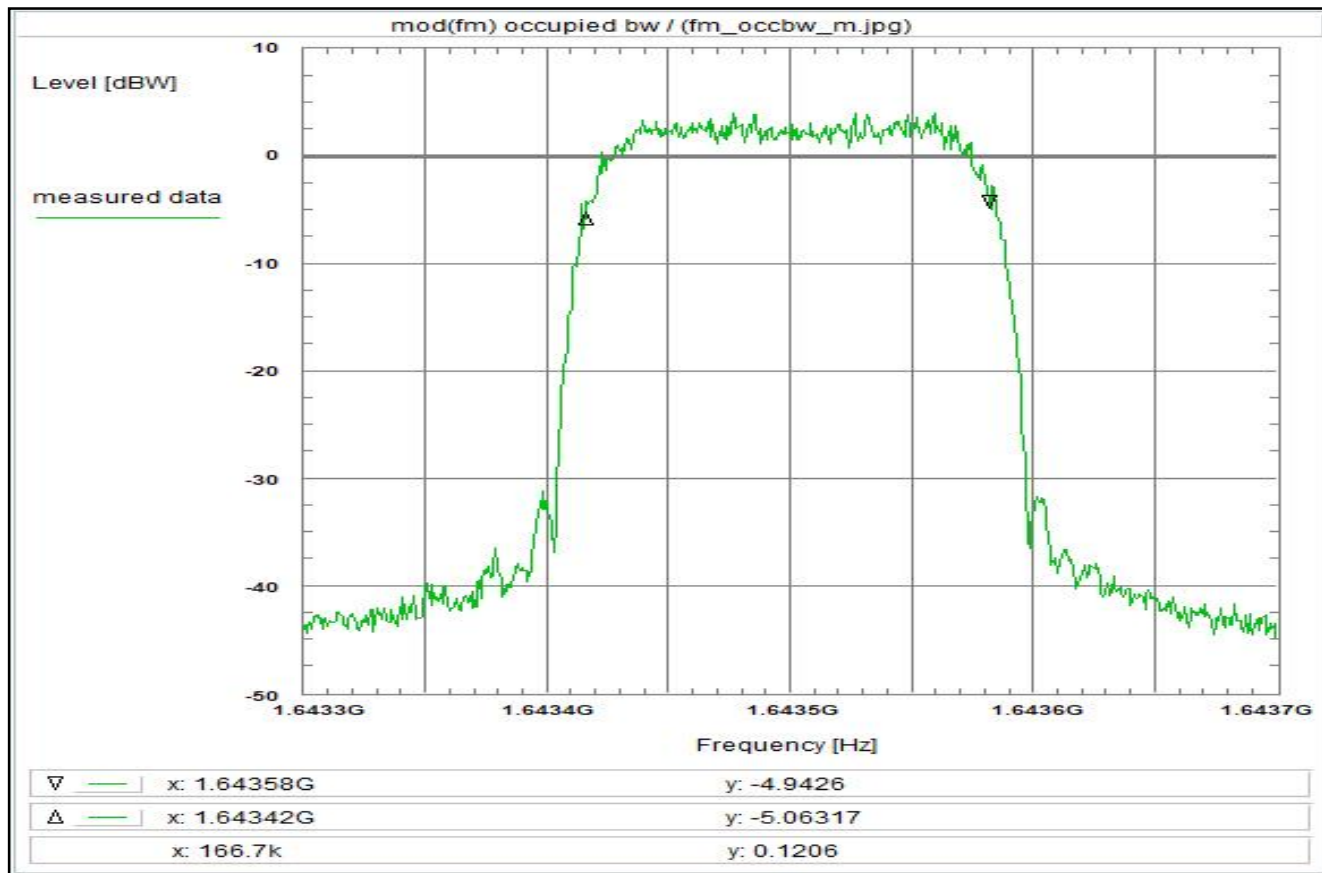
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 52



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R20T4.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:53:18
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6433 GHz
 Stop frequency: 1.6437 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

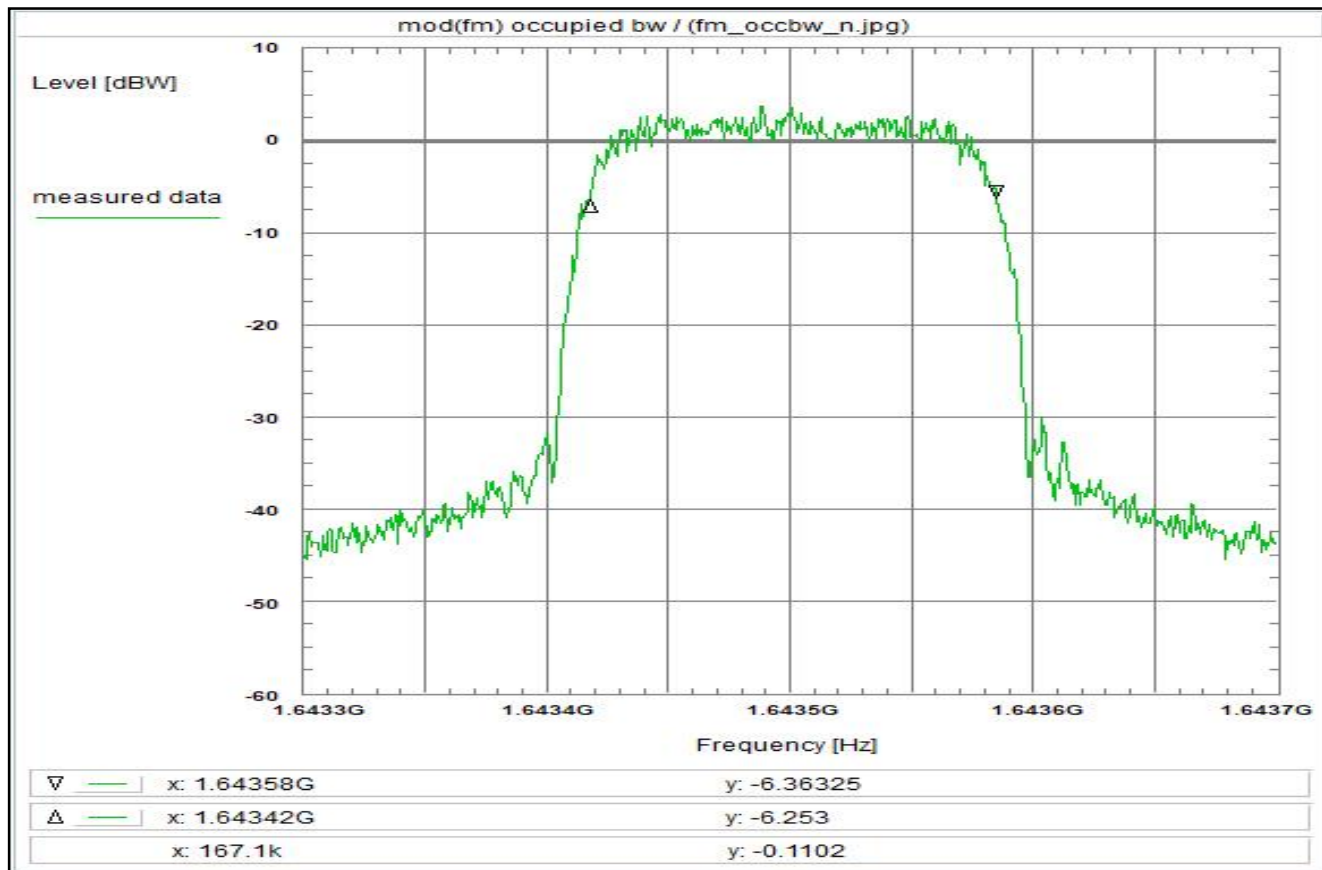
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 53



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R5T4.5XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:55:32
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6433 GHz
 Stop frequency: 1.6437 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

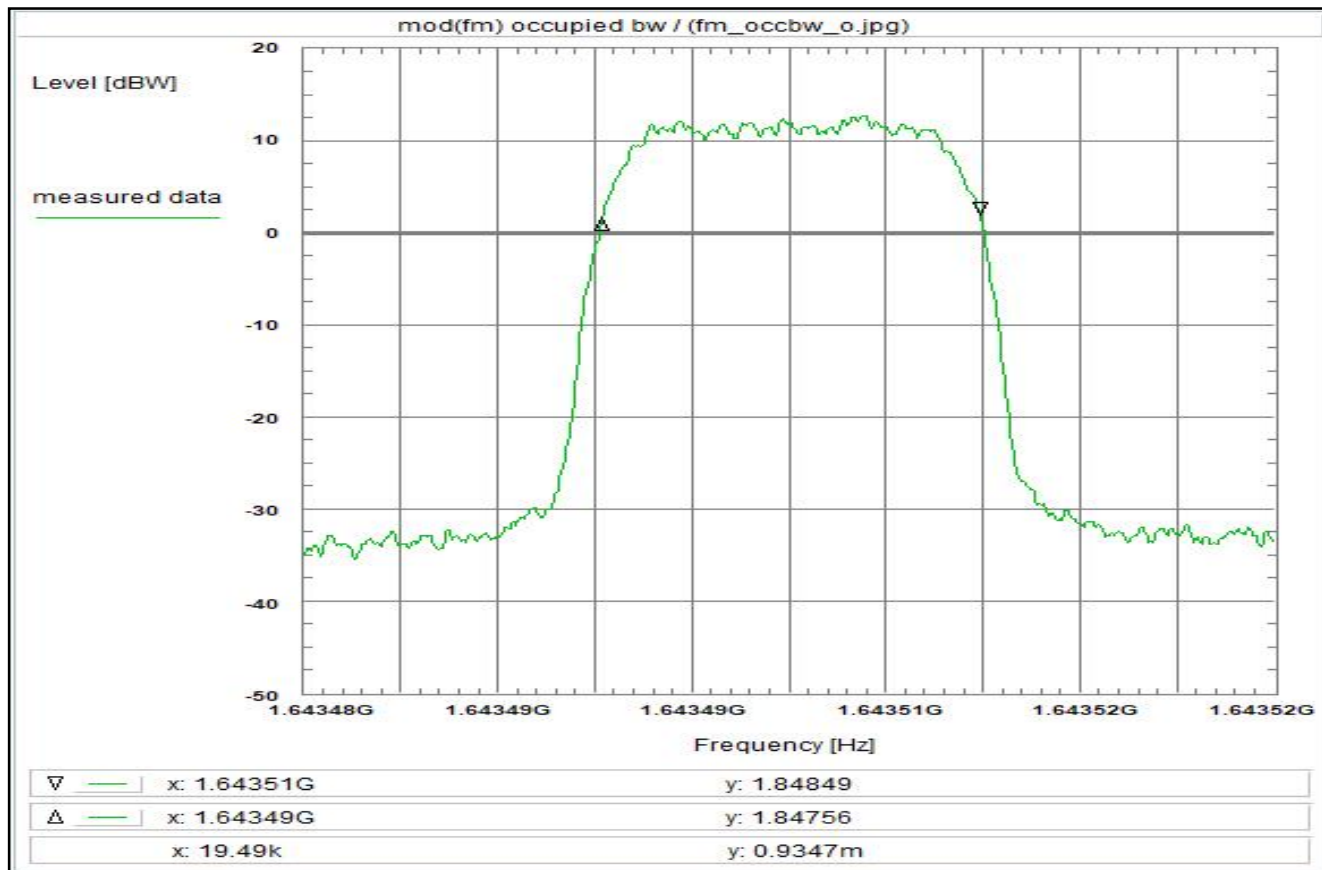
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 54



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, R20T0.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 13:57:59
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.643475 GHz
 Stop frequency: 1.643525 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 50 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

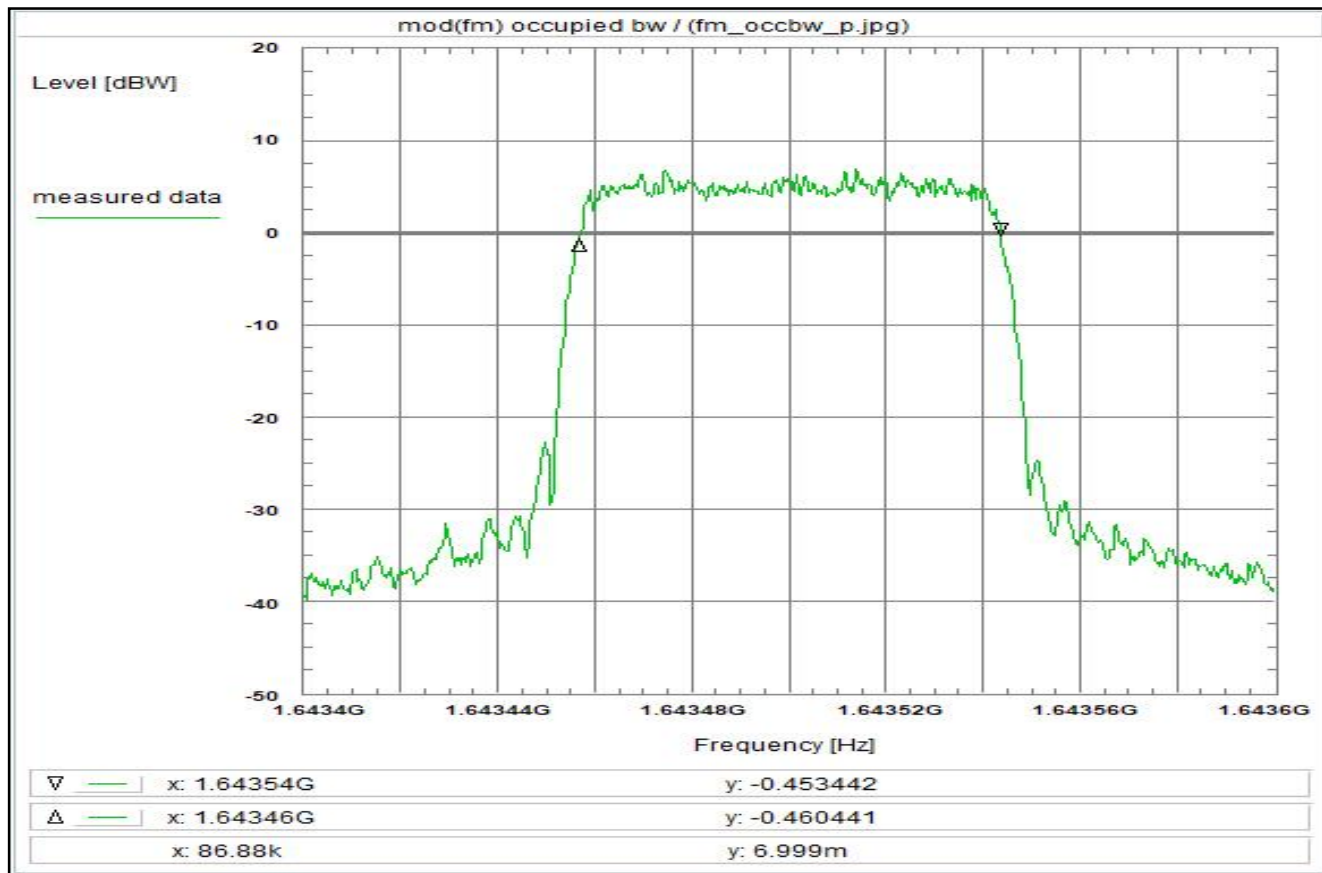
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 19 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 55



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, FR80T2.5X16

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:06:37
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6434 GHz
 Stop frequency: 1.6436 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

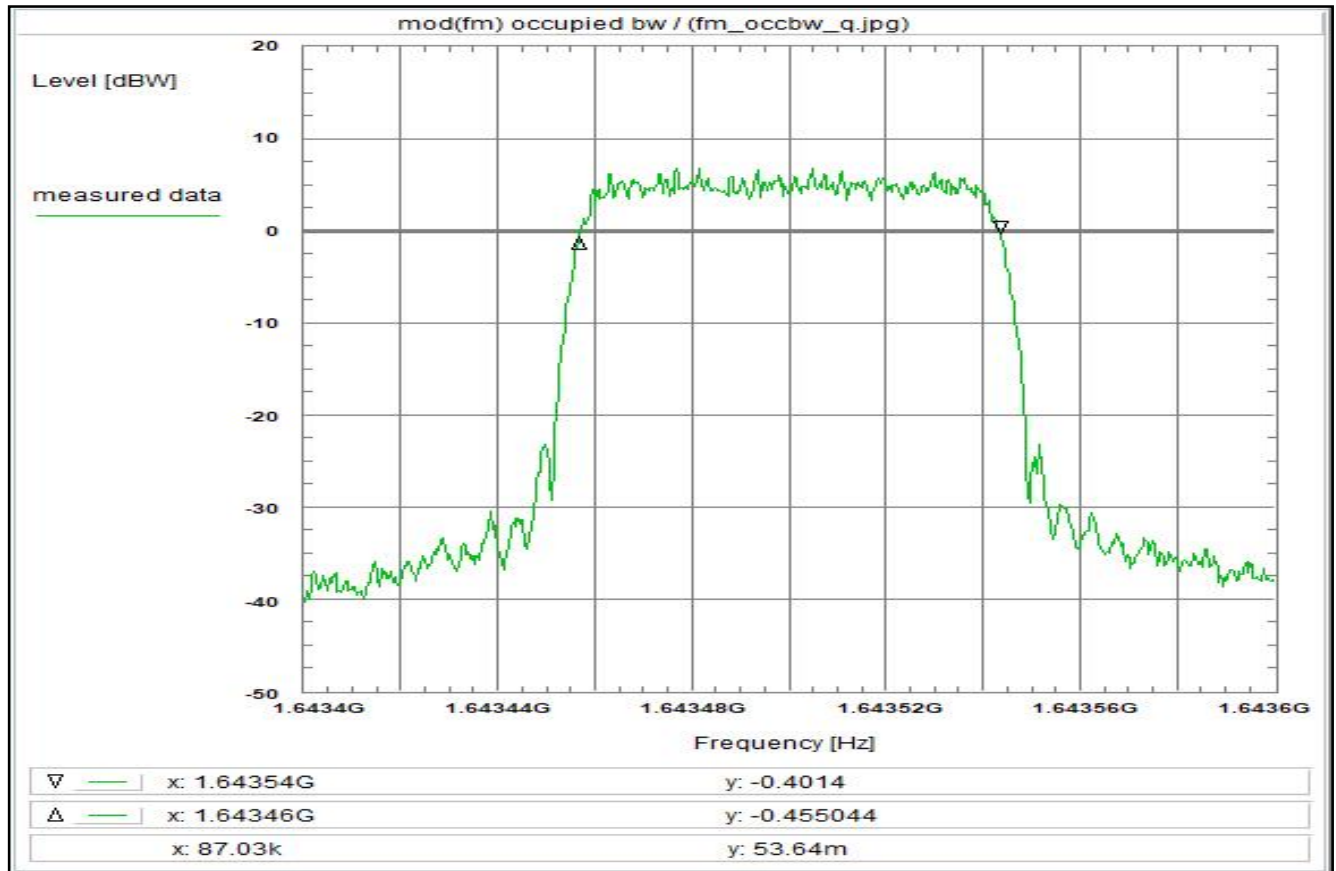
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 87 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 56



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, FR80T2.5X32

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:09:00
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6434 GHz
 Stop frequency: 1.6436 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

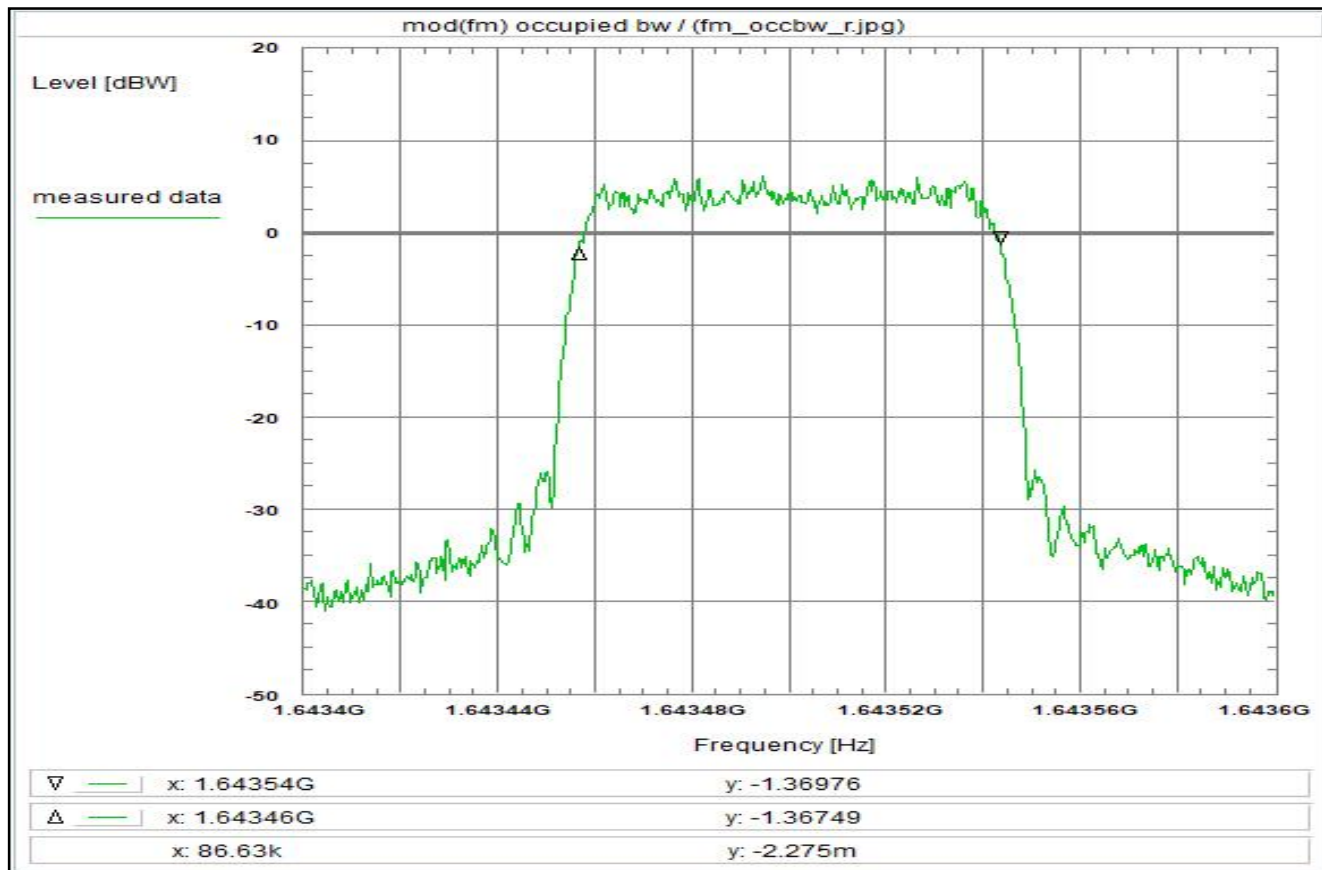
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 87 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 57



Subclause: -/- Function test
Modulated rf-carrier in the middle of the band (fm)
Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
A700S Class 6 HDR PIESD, fm, FR80T2.5X64

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:10:55
Location: CTC advanced GmbH, Laboratory RC-SYS
Temperature: 22 °C
Humidity: 55 %
Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6434 GHz
Stop frequency: 1.6436 GHz
Center frequency: 1.6435 GHz
Frequency span: 200 kHz
Resolution-BW: 1 kHz
Video-BW: 3 kHz
Input attenuation: 40 dB
Trace-Mode: Max-Hold
Detector-Mode: Pos Peak

Correction:

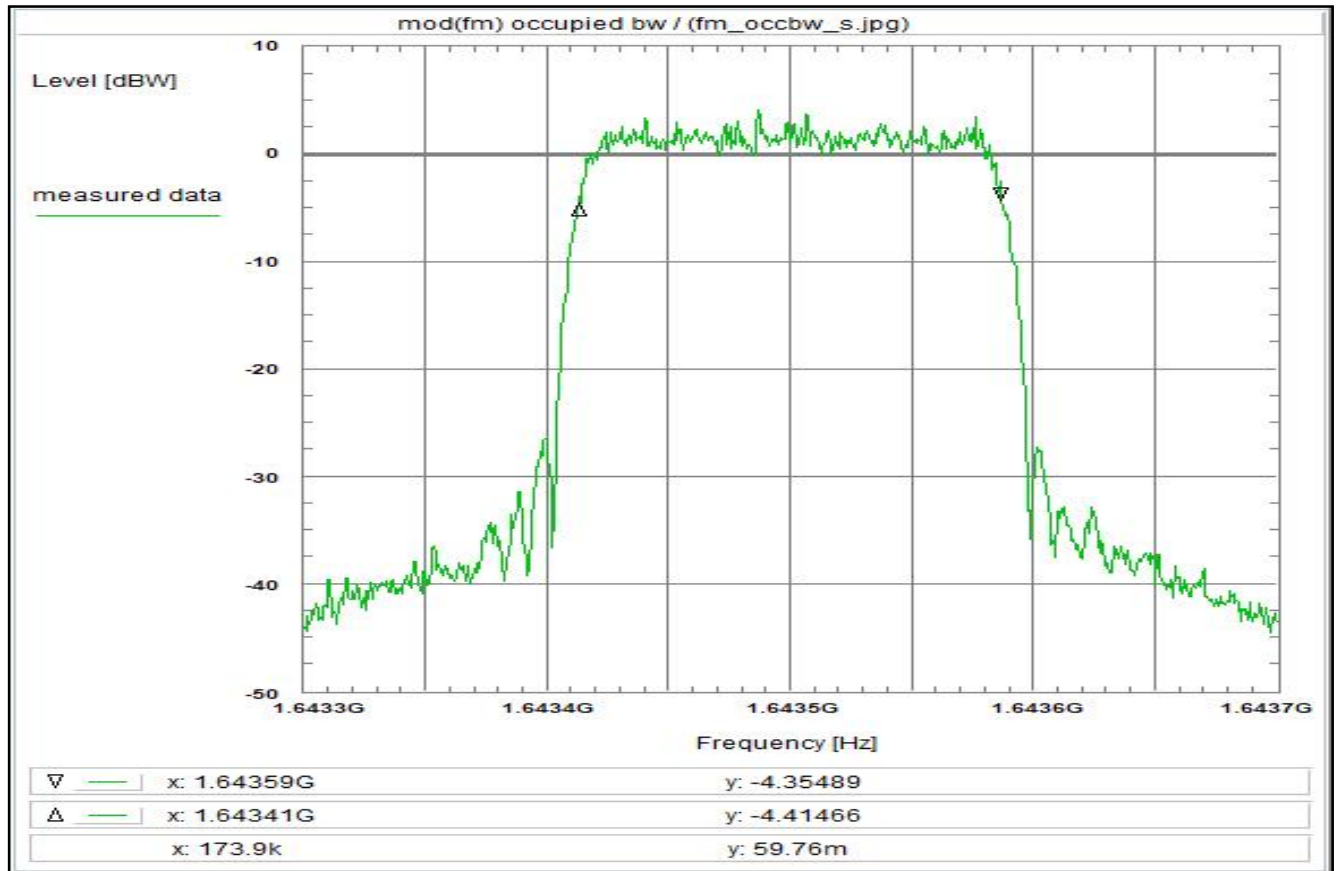
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 87 kHz (delta marker)
Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 58



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, FR80T5X16

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:13:40
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6433 GHz
 Stop frequency: 1.6437 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

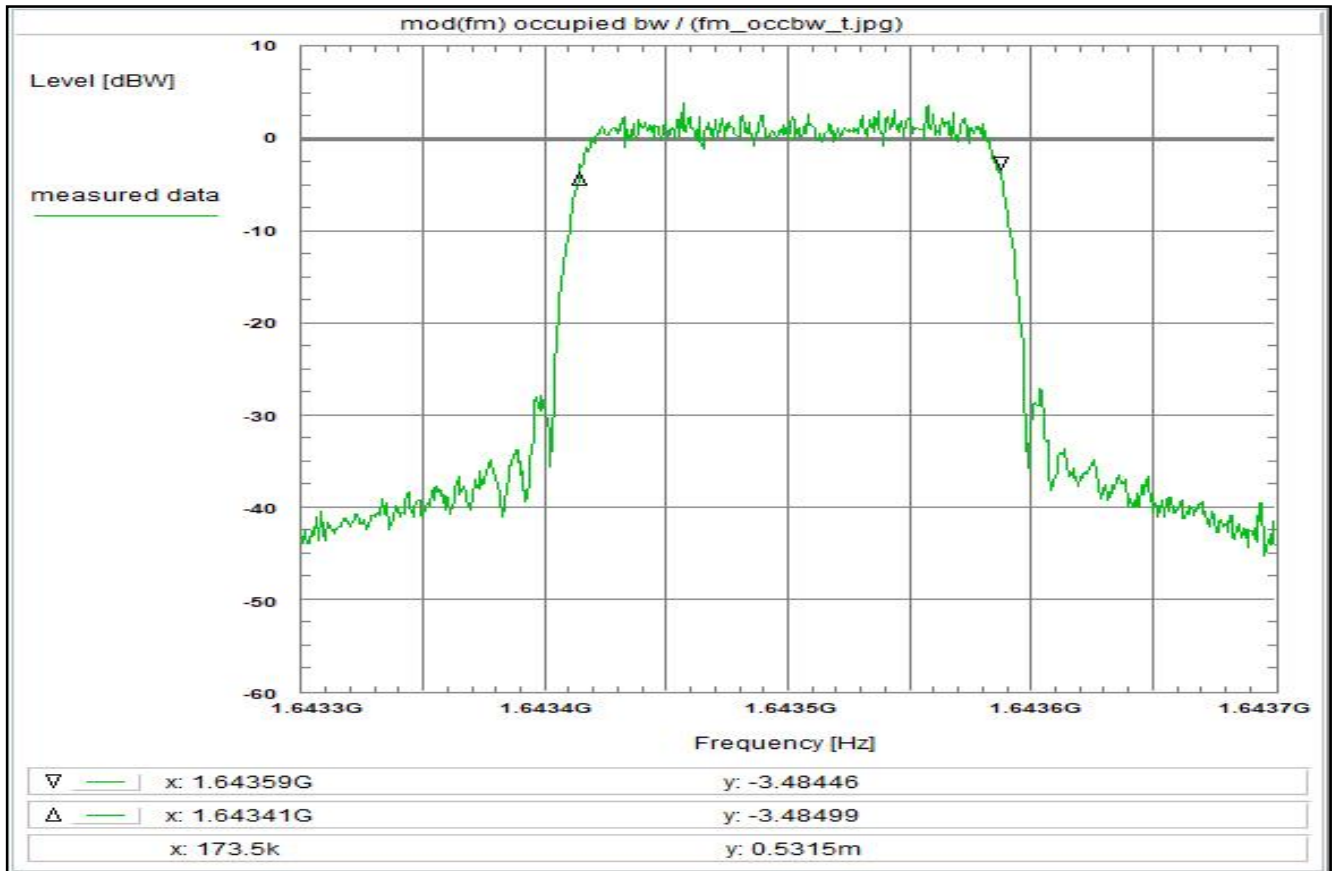
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 174 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 59



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, FR80T5X32

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:15:54
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6433 GHz
 Stop frequency: 1.6437 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

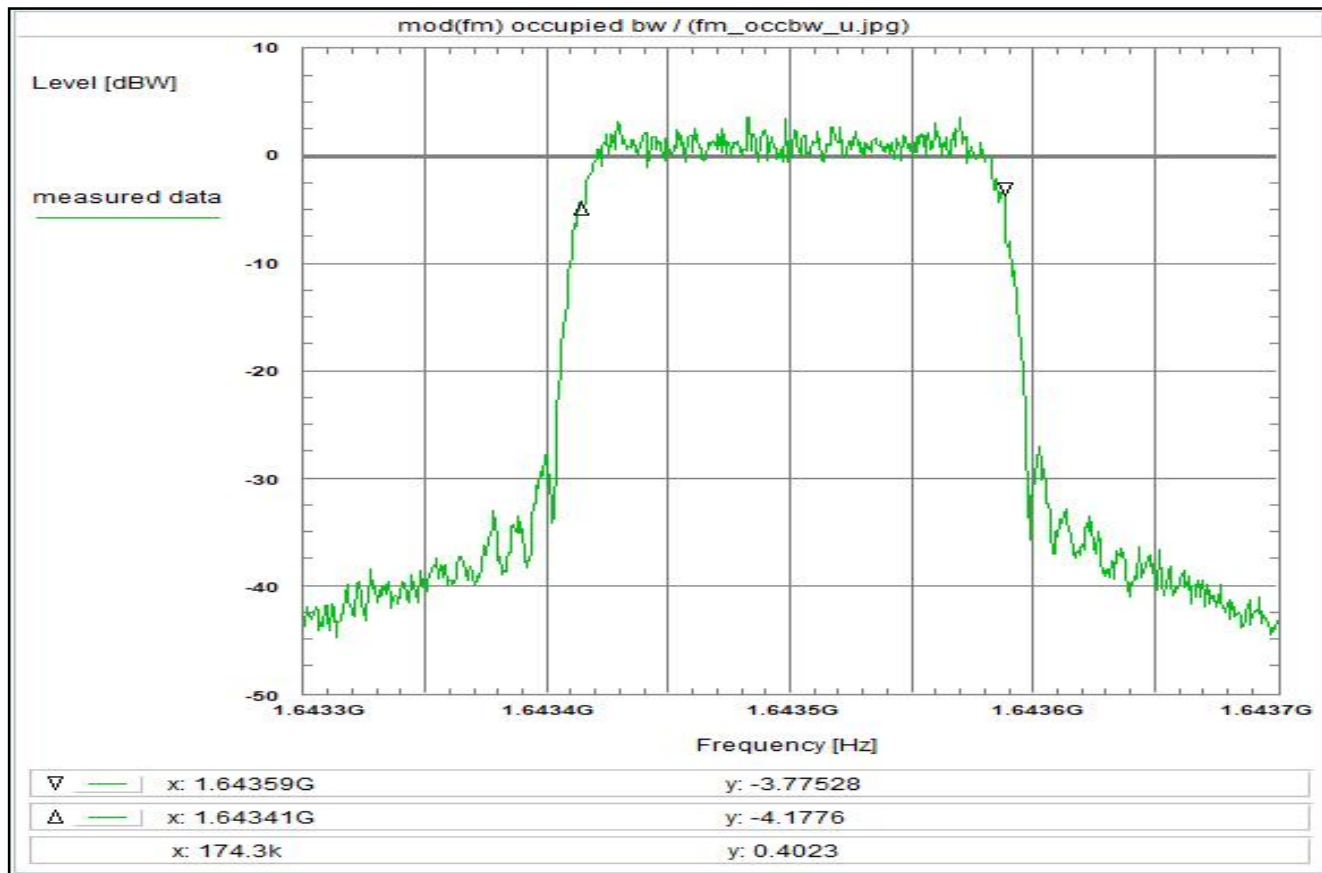
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 173 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 60



Subclause: -/- Function test
 Modulated rf-carrier in the middle of the band (fm)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fm, FR80T5X64

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 14:18:47
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6433 GHz
 Stop frequency: 1.6437 GHz
 Center frequency: 1.6435 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

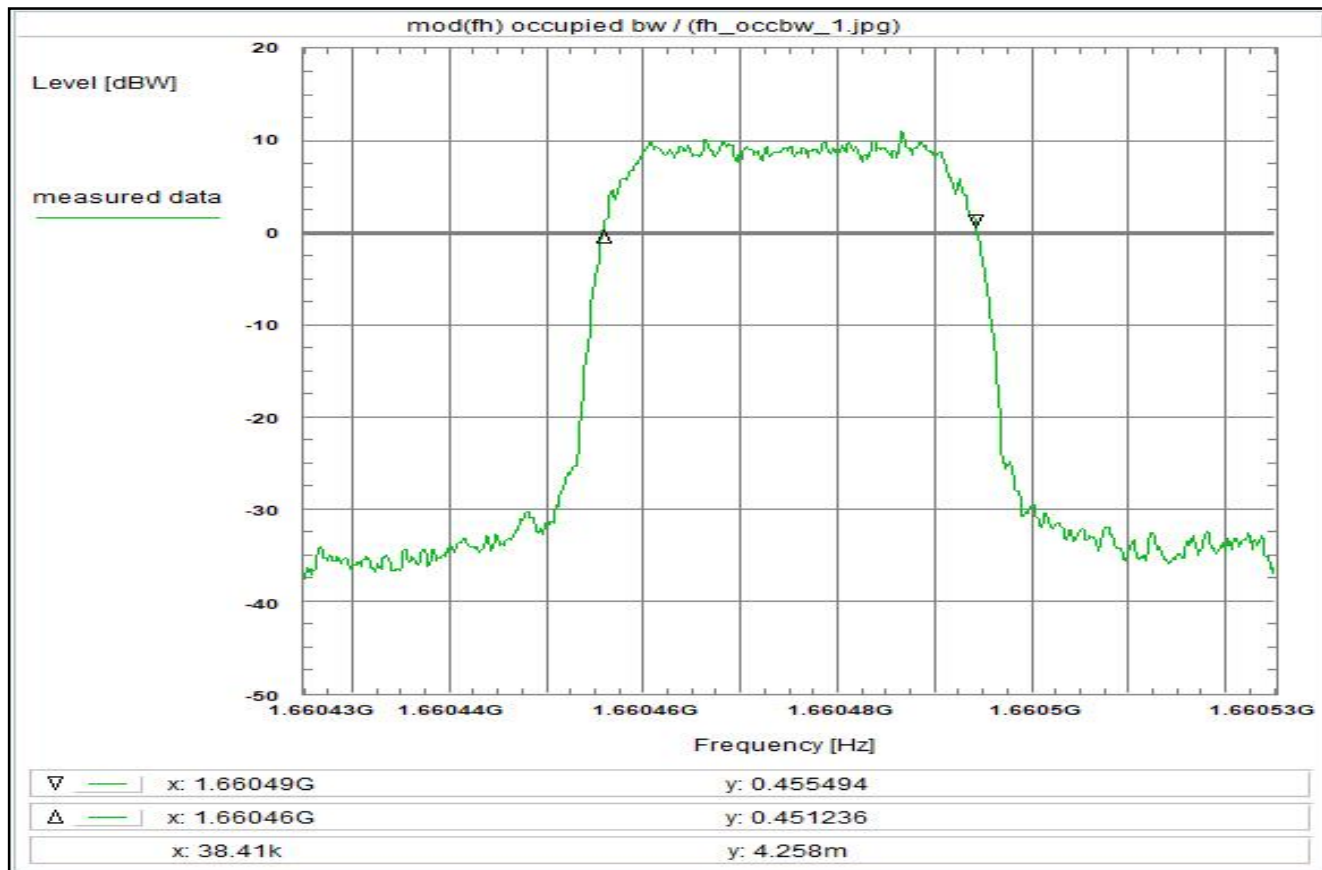
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	- 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 173 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 61



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R5T1XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 16:36:20
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660425 GHz
 Stop frequency: 1.660525 GHz
 Center frequency: 1.660475 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

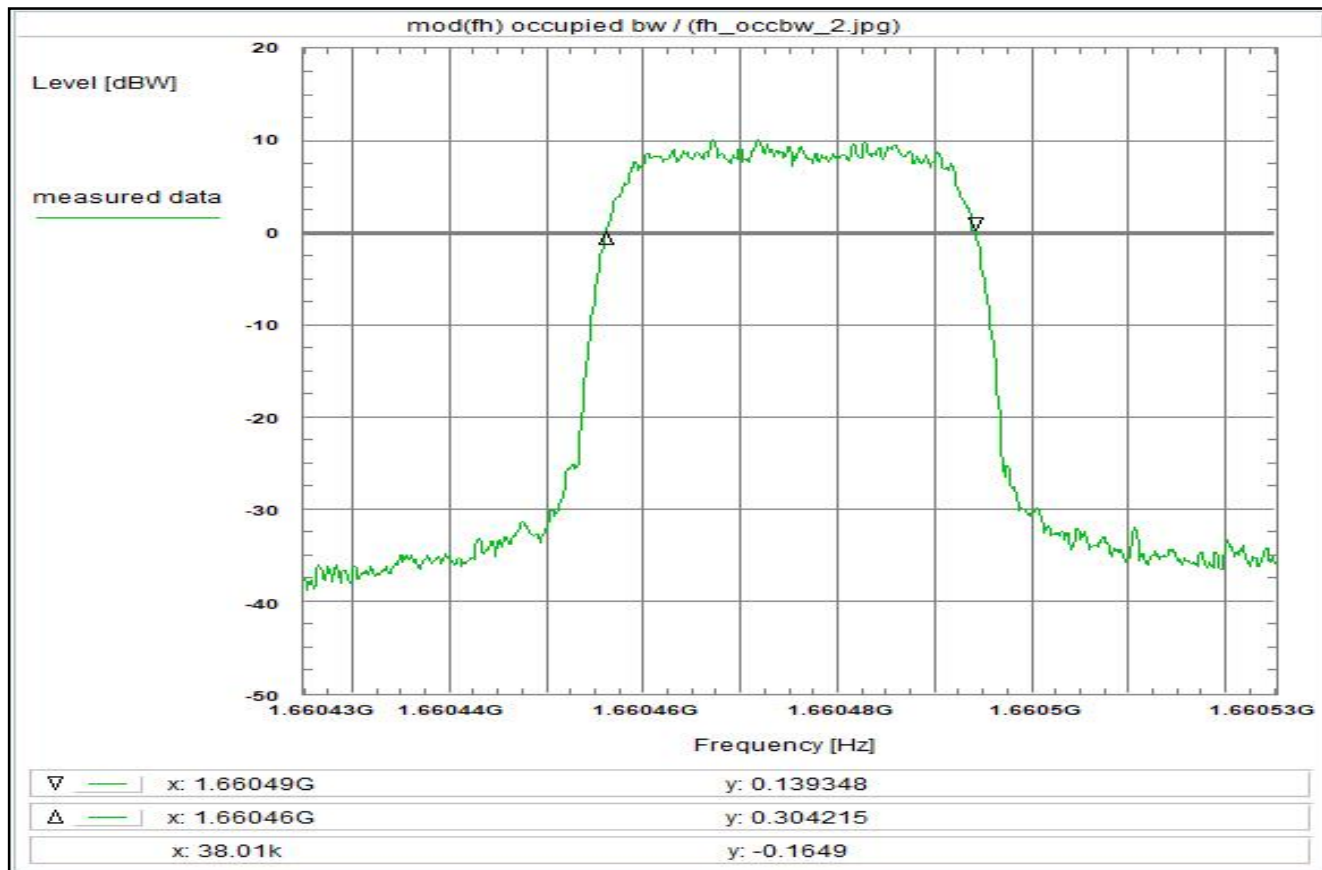
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 38 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 62



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R20T1XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 16:39:12
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660425 GHz
 Stop frequency: 1.660525 GHz
 Center frequency: 1.660475 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

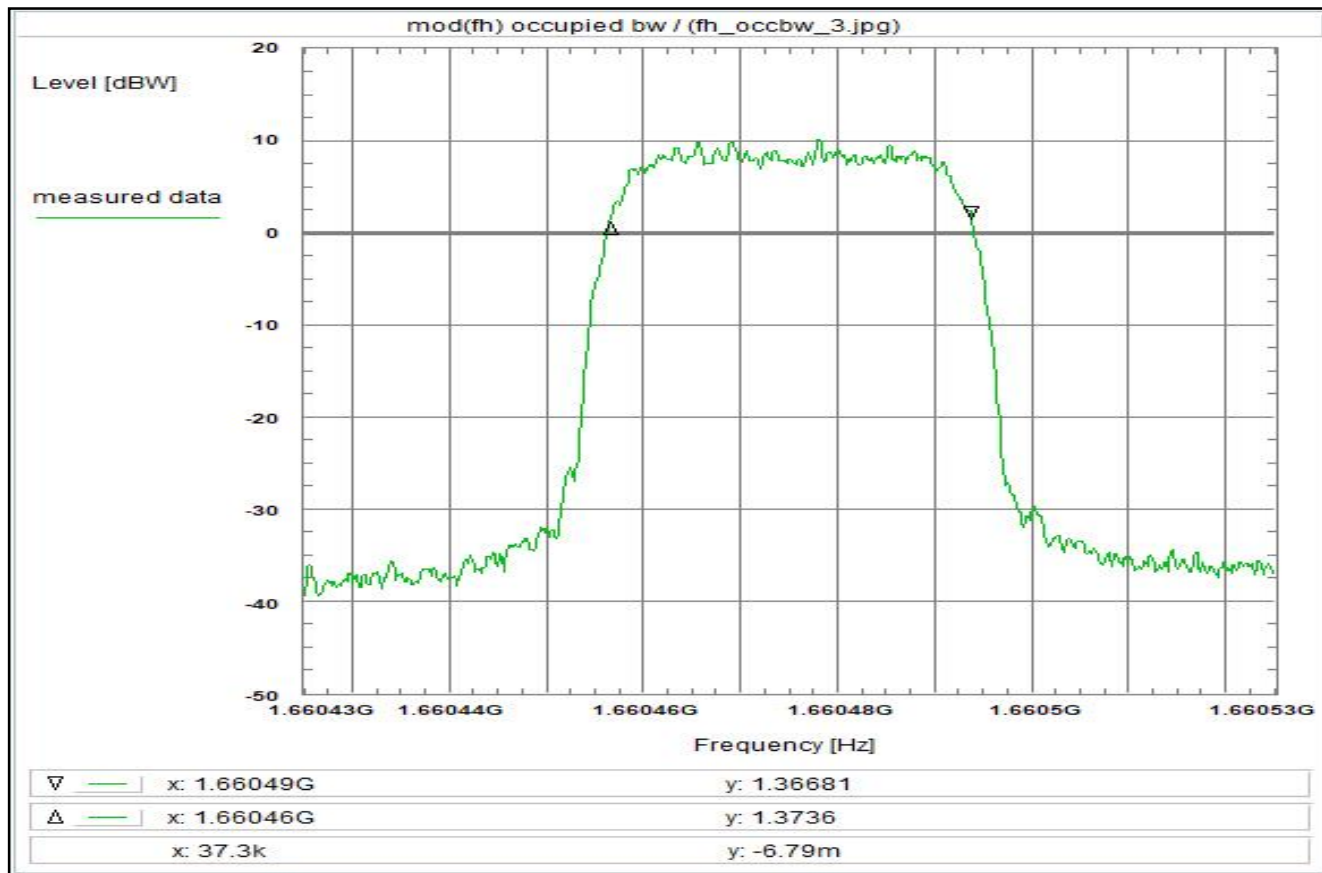
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 38 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 63



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R20T1QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 16:43:17
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660425 GHz
 Stop frequency: 1.660525 GHz
 Center frequency: 1.660475 GHz
 Frequency span: 100 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

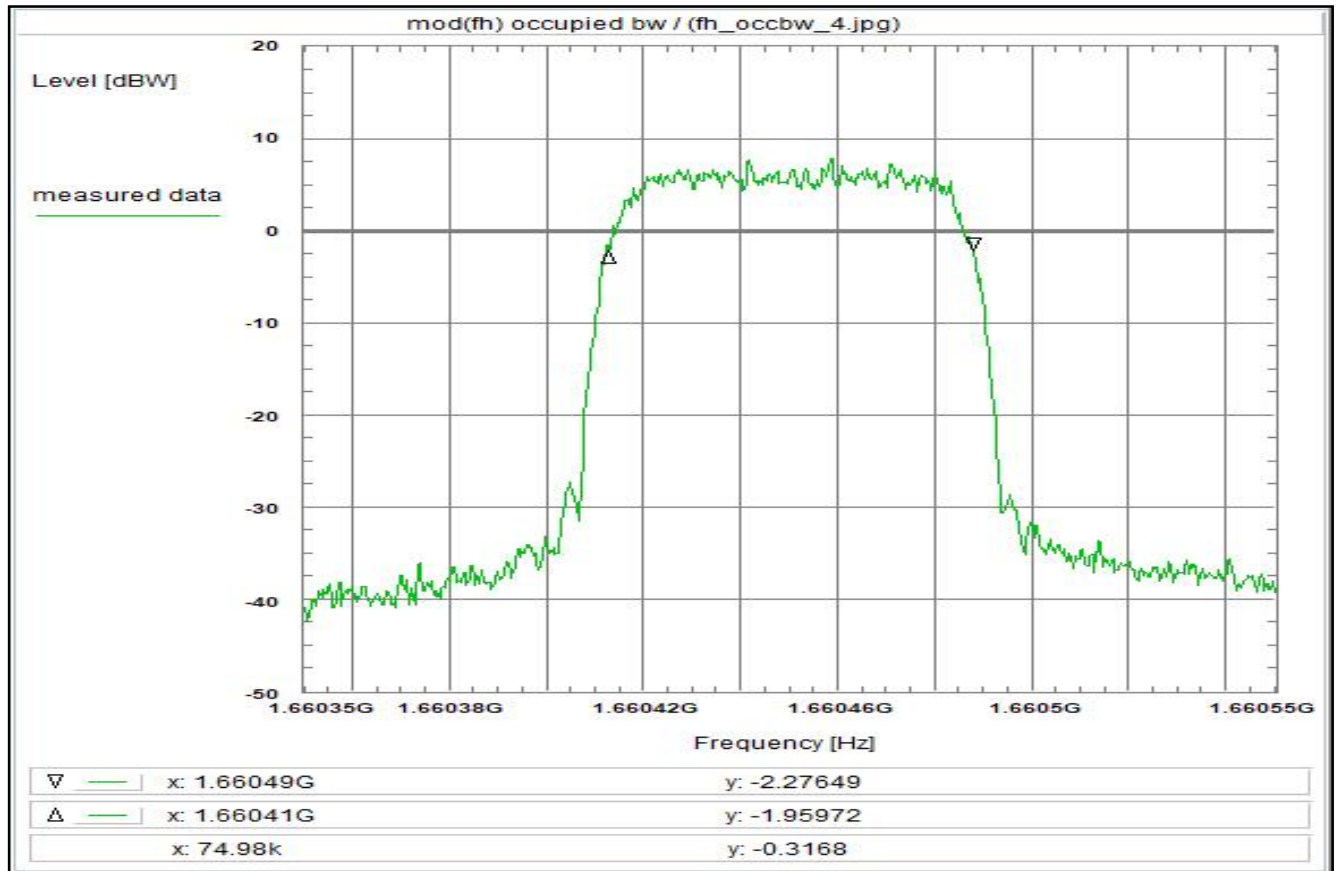
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 38 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 64



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:
 The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:
 see plot (an explicit table was not generated)

Operating condition of DUT:
 operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R5T2XD

Test setup:
 see test report chapter 7.2 setup 1.1hgj

Test equipment:
 see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:
 Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 16:49:27
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.66035 GHz
 Stop frequency: 1.66055 GHz
 Center frequency: 1.66045 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

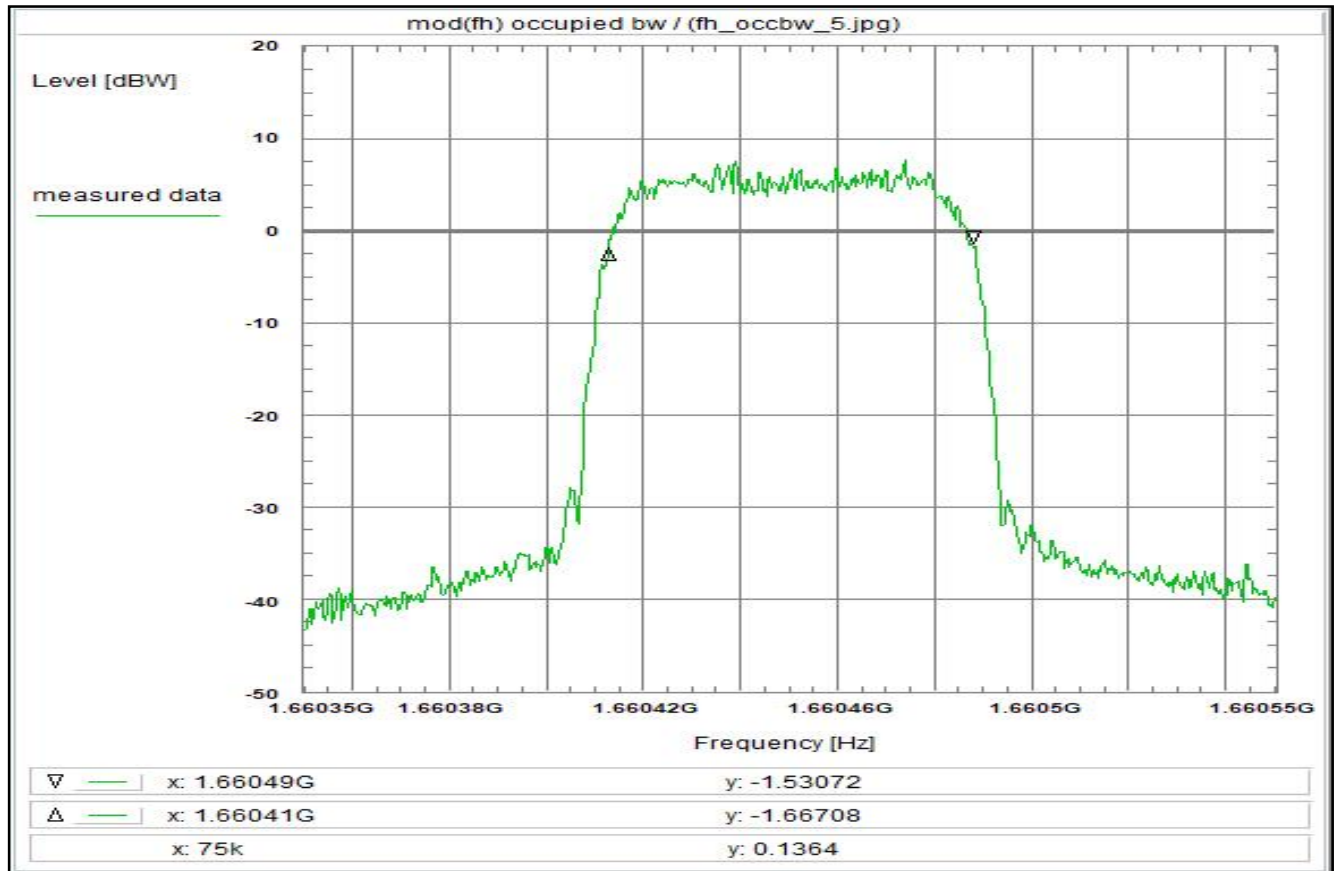
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:
 The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 65



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R20T2XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 16:53:33
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.66035 GHz
 Stop frequency: 1.66055 GHz
 Center frequency: 1.66045 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

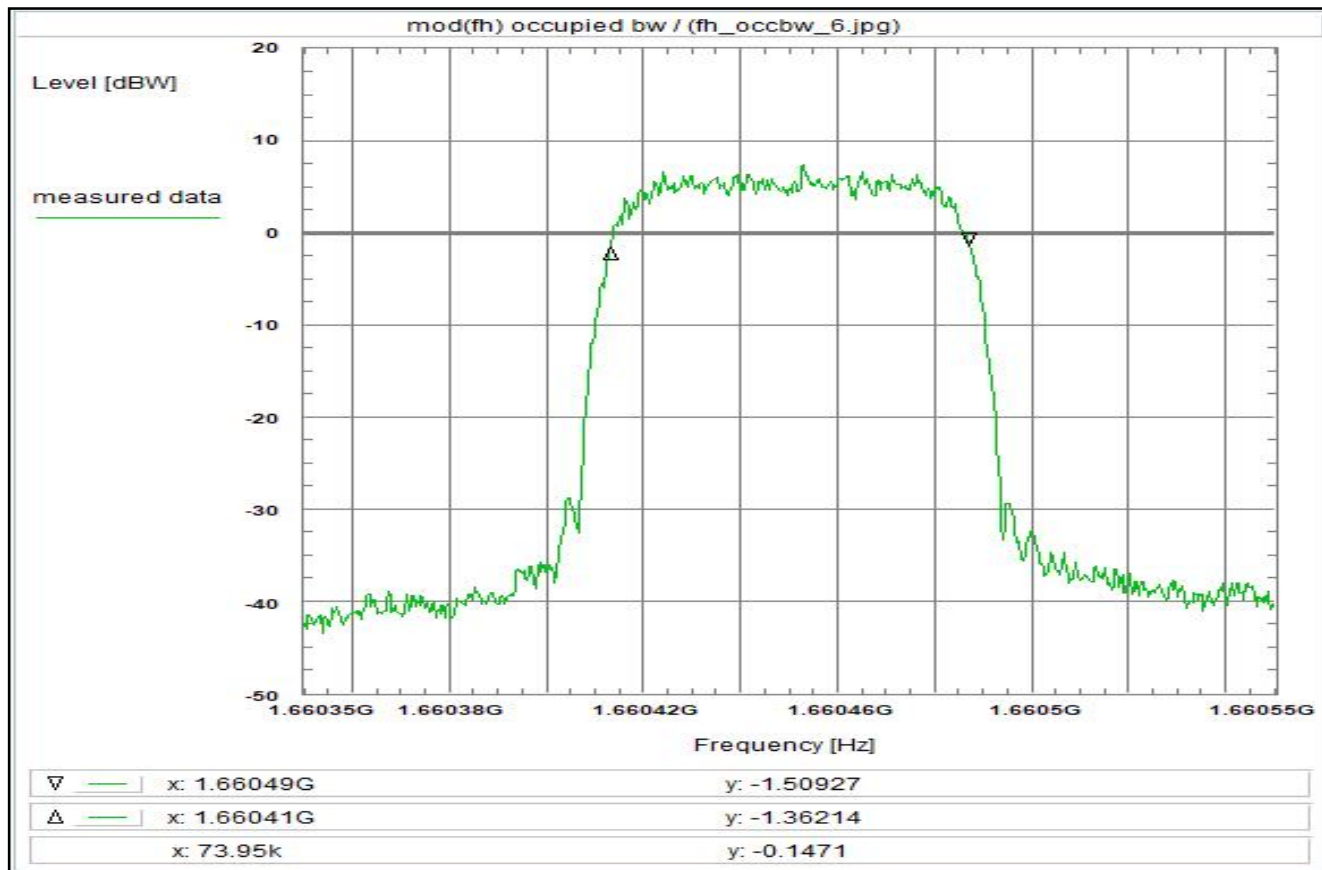
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 75 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 66



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R5T2QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 16:58:34
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.66035 GHz
 Stop frequency: 1.66055 GHz
 Center frequency: 1.66045 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

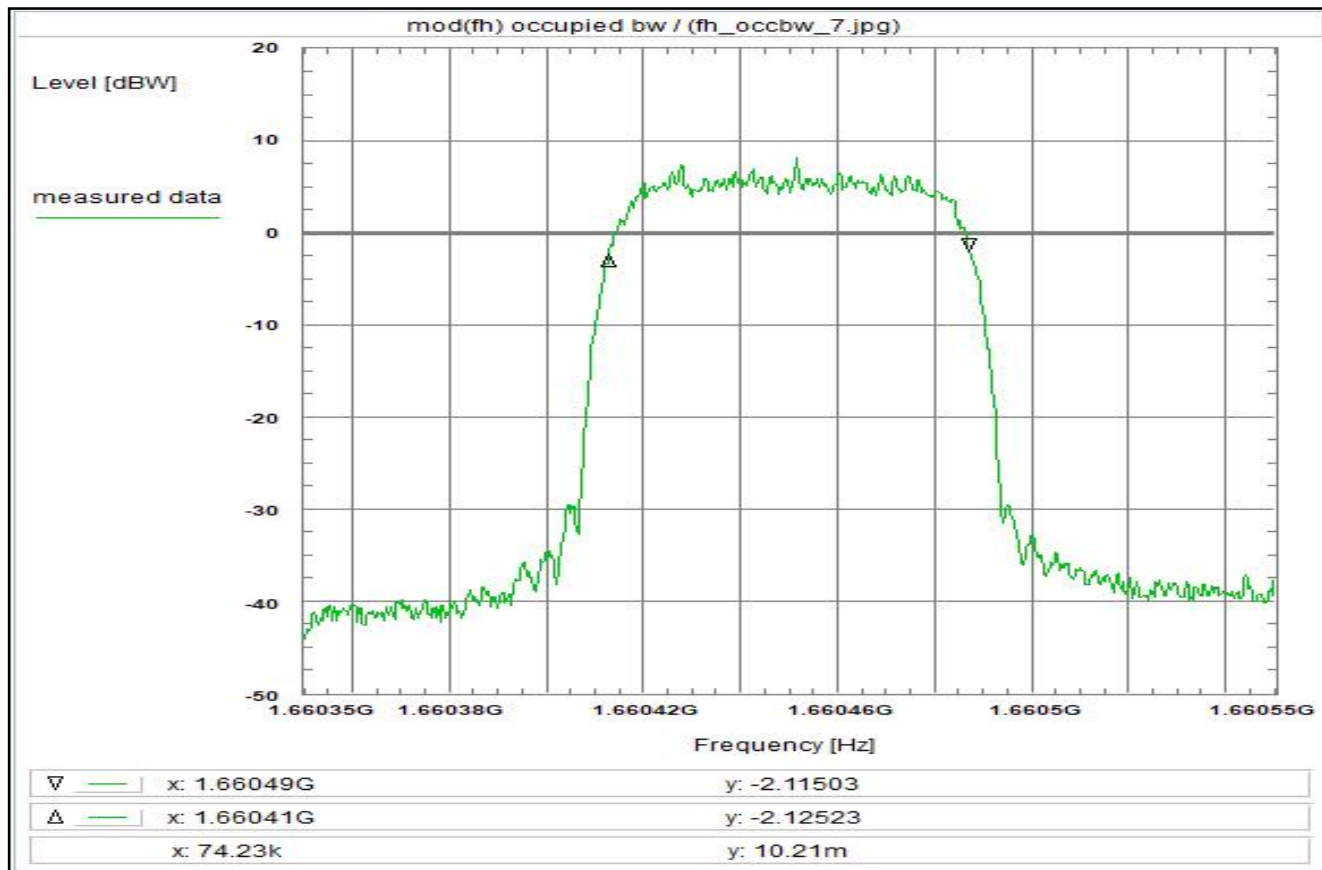
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 67



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R20T2QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 17:01:34
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.66035 GHz
 Stop frequency: 1.66055 GHz
 Center frequency: 1.66045 GHz
 Frequency span: 200 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

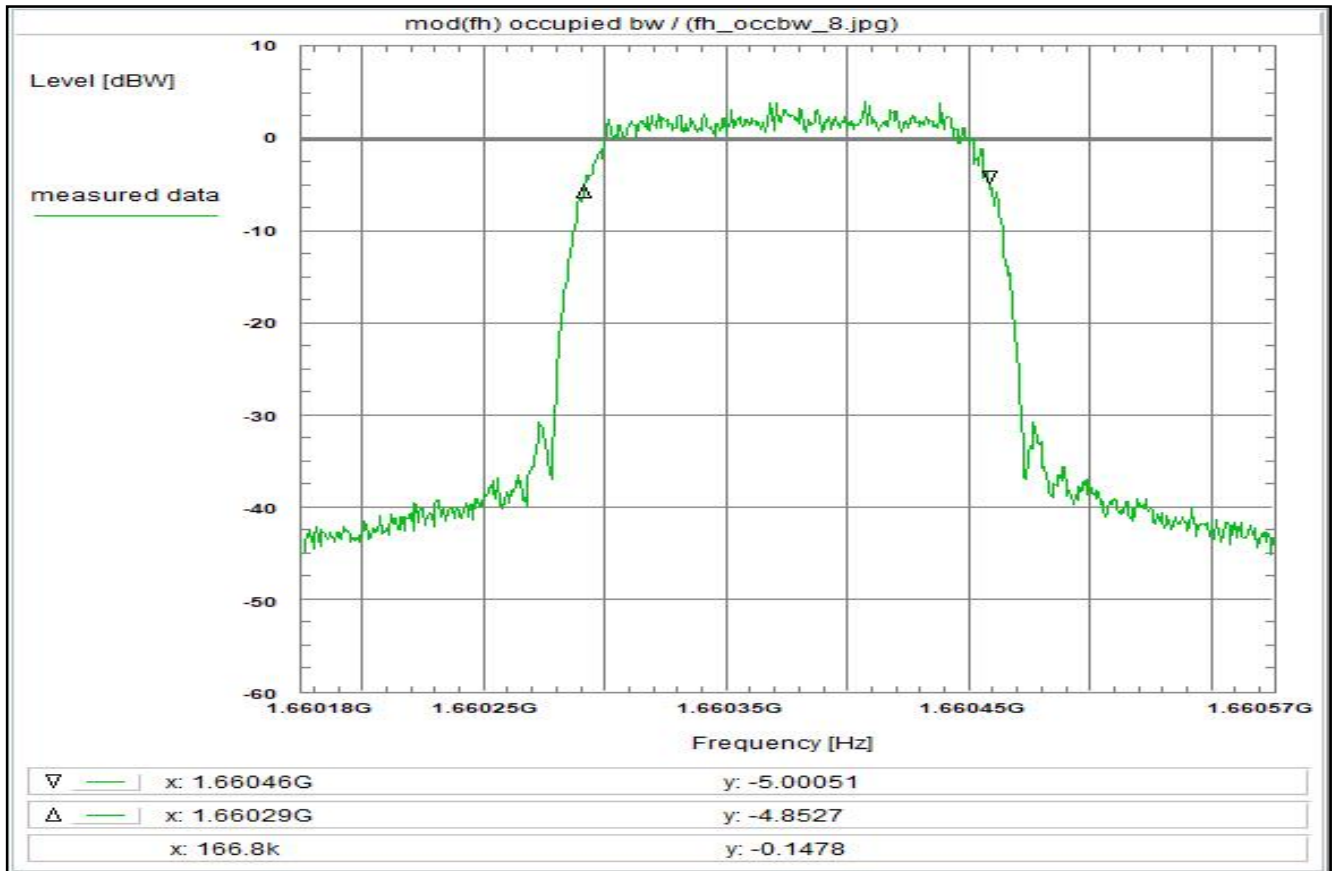
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 74 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 68



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:
 The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:
 see plot (an explicit table was not generated)

Operating condition of DUT:
 operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R5T4.5XD

Test setup:
 see test report chapter 7.2 setup 1.1hgj

Test equipment:
 see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:
 Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 17:05:28
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660175 GHz
 Stop frequency: 1.660575 GHz
 Center frequency: 1.660375 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

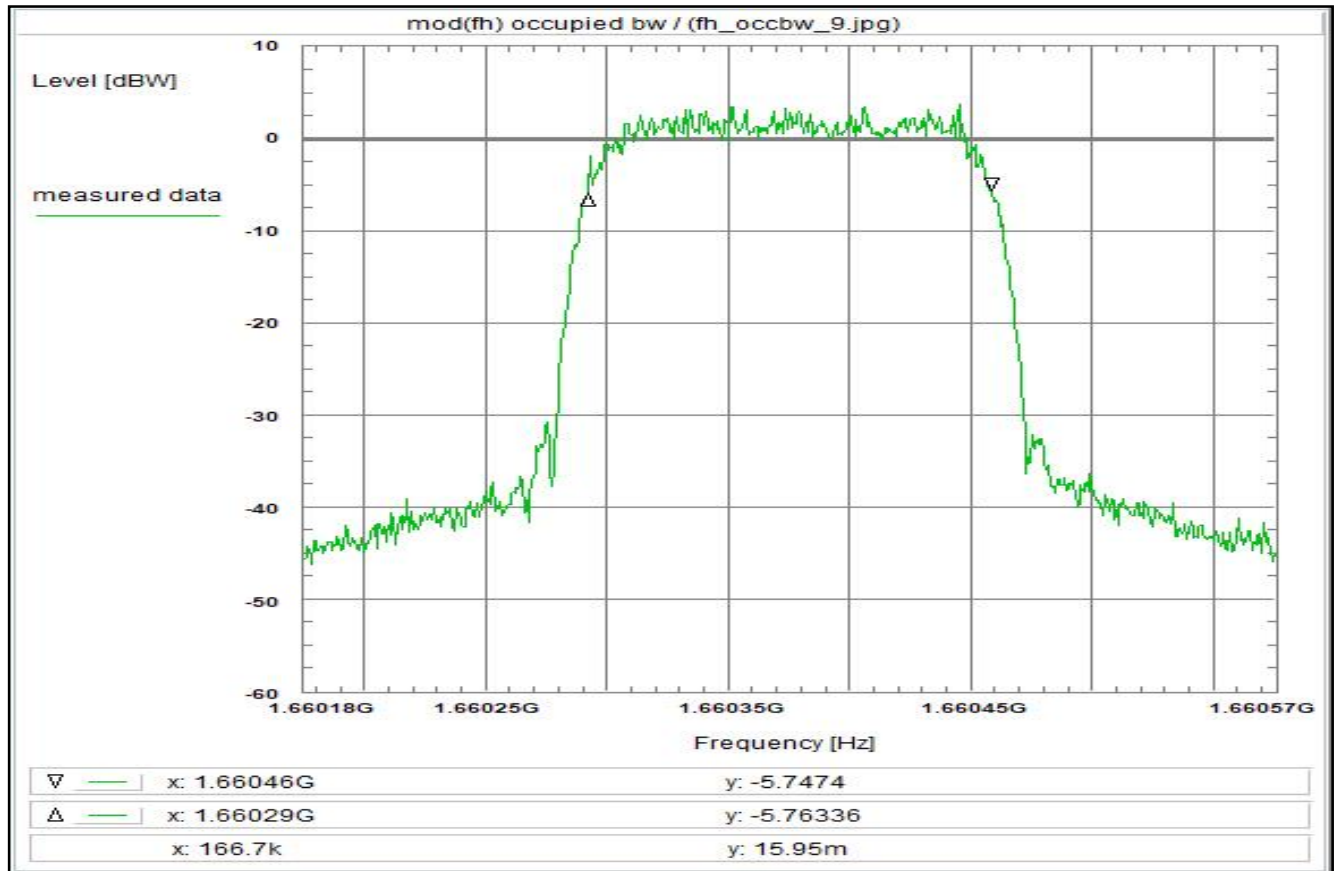
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:
 The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 69



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:
 The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:
 see plot (an explicit table was not generated)

Operating condition of DUT:
 operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R20T4.5XD

Test setup:
 see test report chapter 7.2 setup 1.1hgj

Test equipment:
 see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:
 Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 17:07:47
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660175 GHz
 Stop frequency: 1.660575 GHz
 Center frequency: 1.660375 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

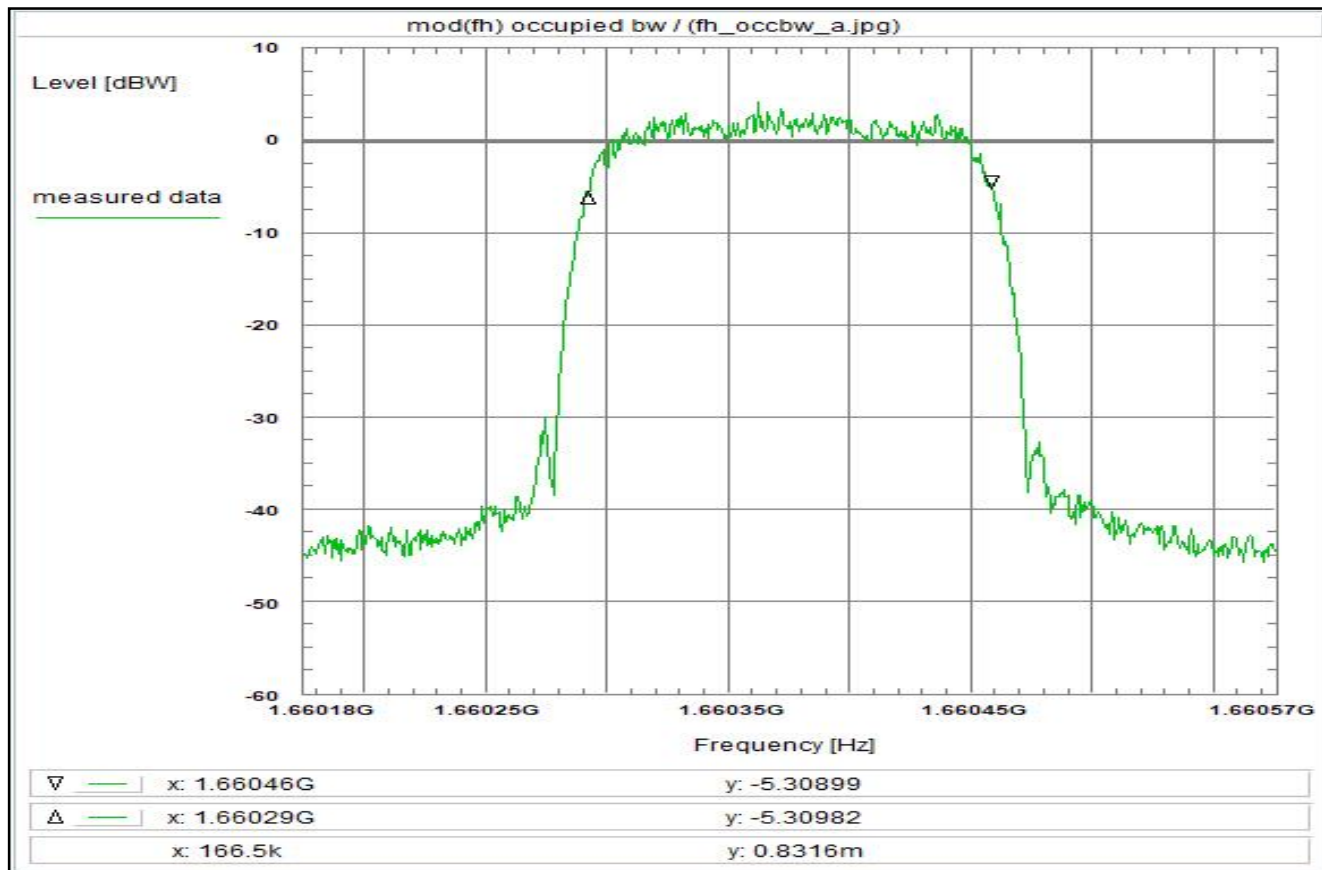
Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:
 The measured value is about 166 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 70



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R5T4.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 17:11:22
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660175 GHz
 Stop frequency: 1.660575 GHz
 Center frequency: 1.660375 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

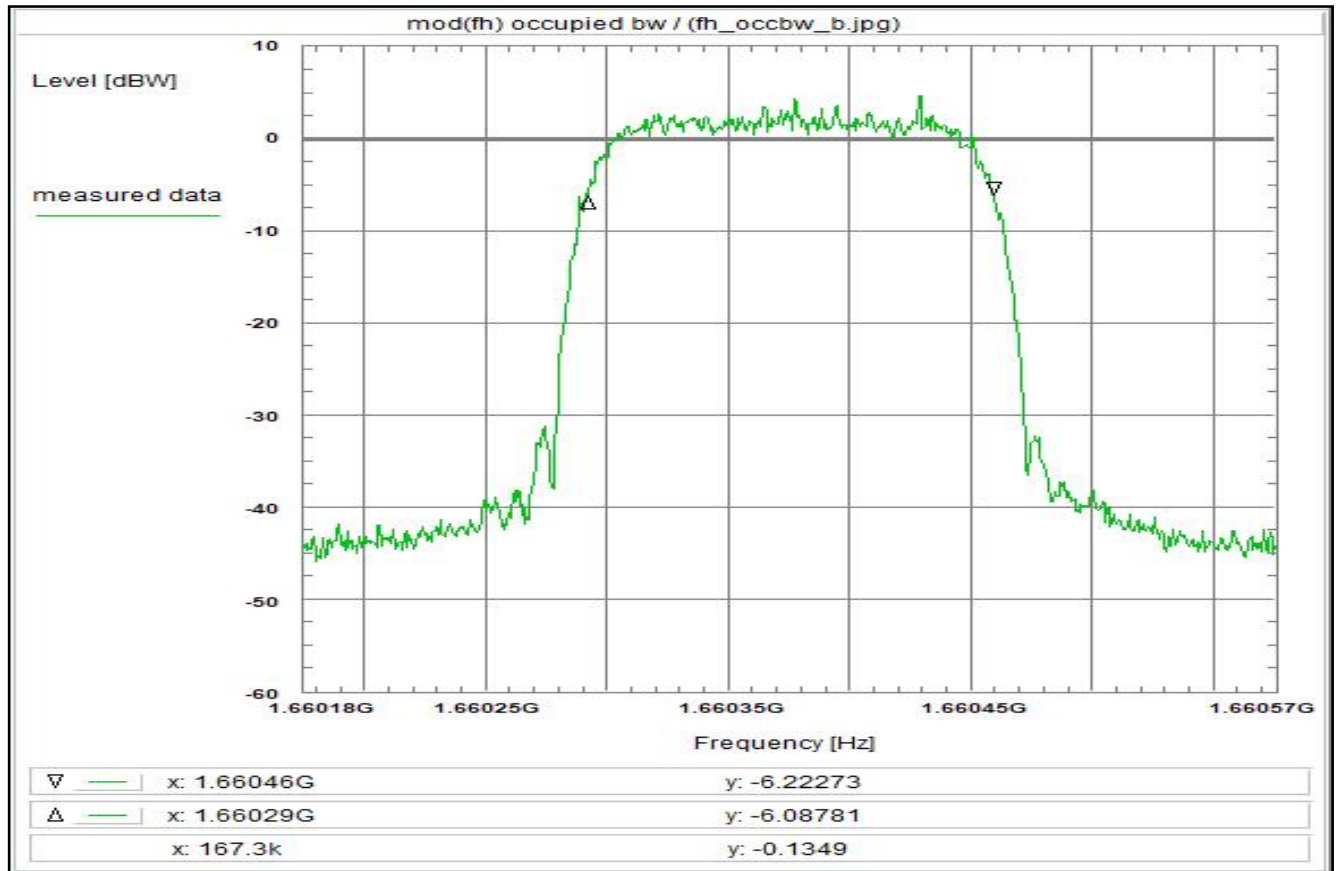
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 71



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R20T4.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 17:23:19
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660175 GHz
 Stop frequency: 1.660575 GHz
 Center frequency: 1.660375 GHz
 Frequency span: 400 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

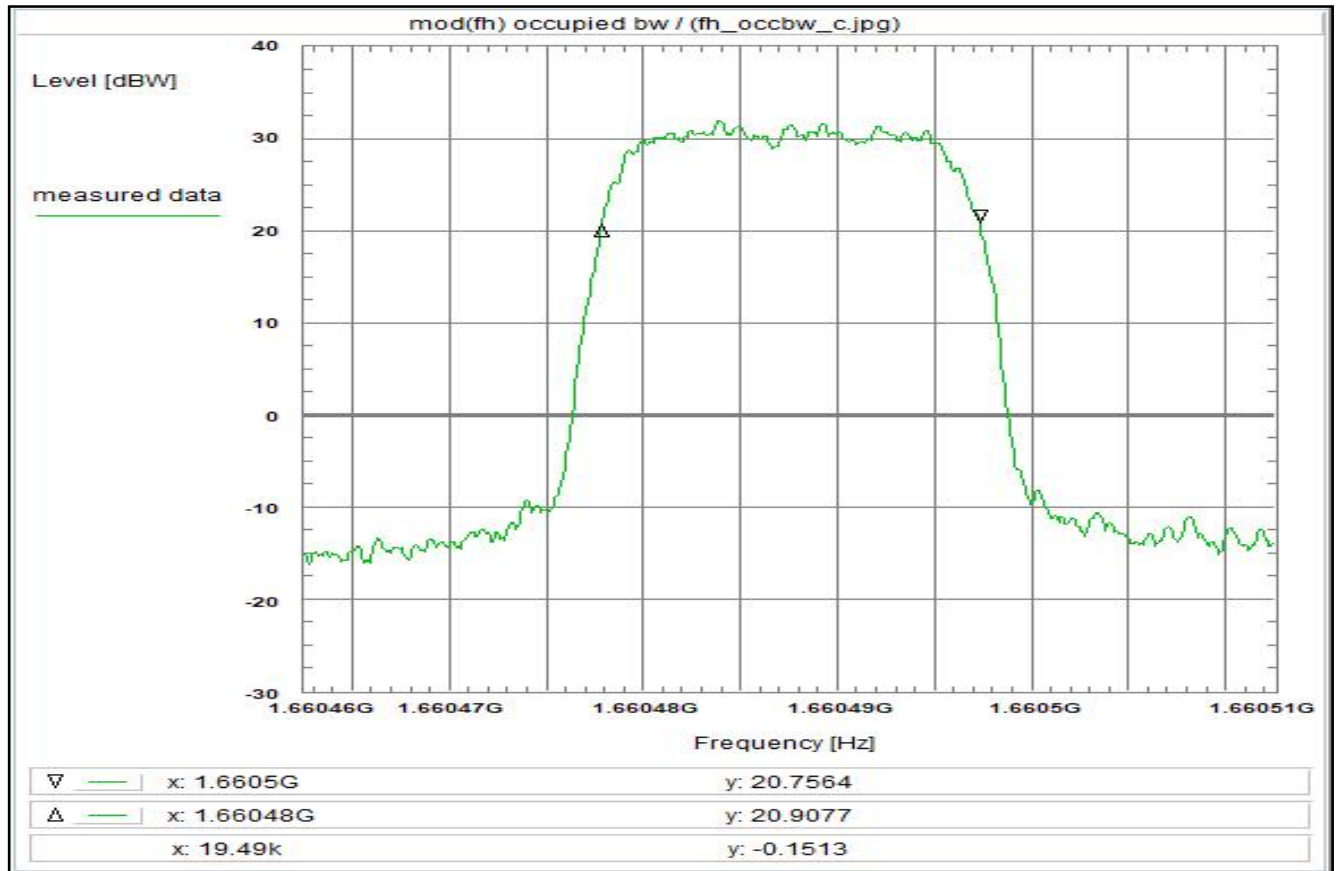
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator (U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 72



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 ACD, fh R20T0.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Thu 14/May/2020 17:16:38
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6604625 GHz
 Stop frequency: 1.6605125 GHz
 Center frequency: 1.6604875 GHz
 Frequency span: 50 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

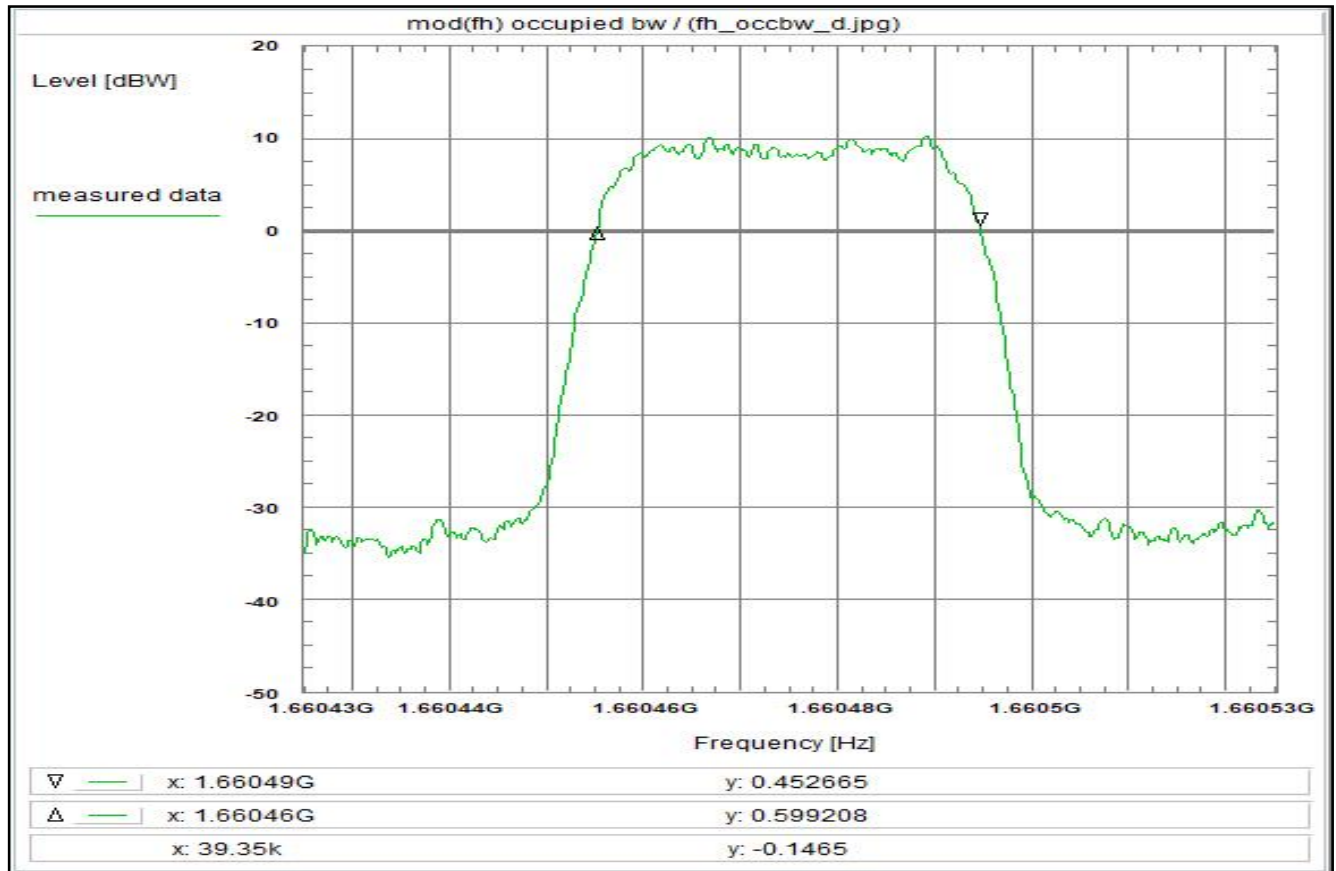
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor (1k -> 3k)	+ 4.8 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 41.6 dB

Remarks:

Determination of the 'occupied bandwidth' at fm:

The measured value is about 19 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 73



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, R5T1XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:23:33
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660425 GHz
 Stop frequency: 1.660525 GHz
 Center frequency: 1.660475 GHz
 Frequency span: 100 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

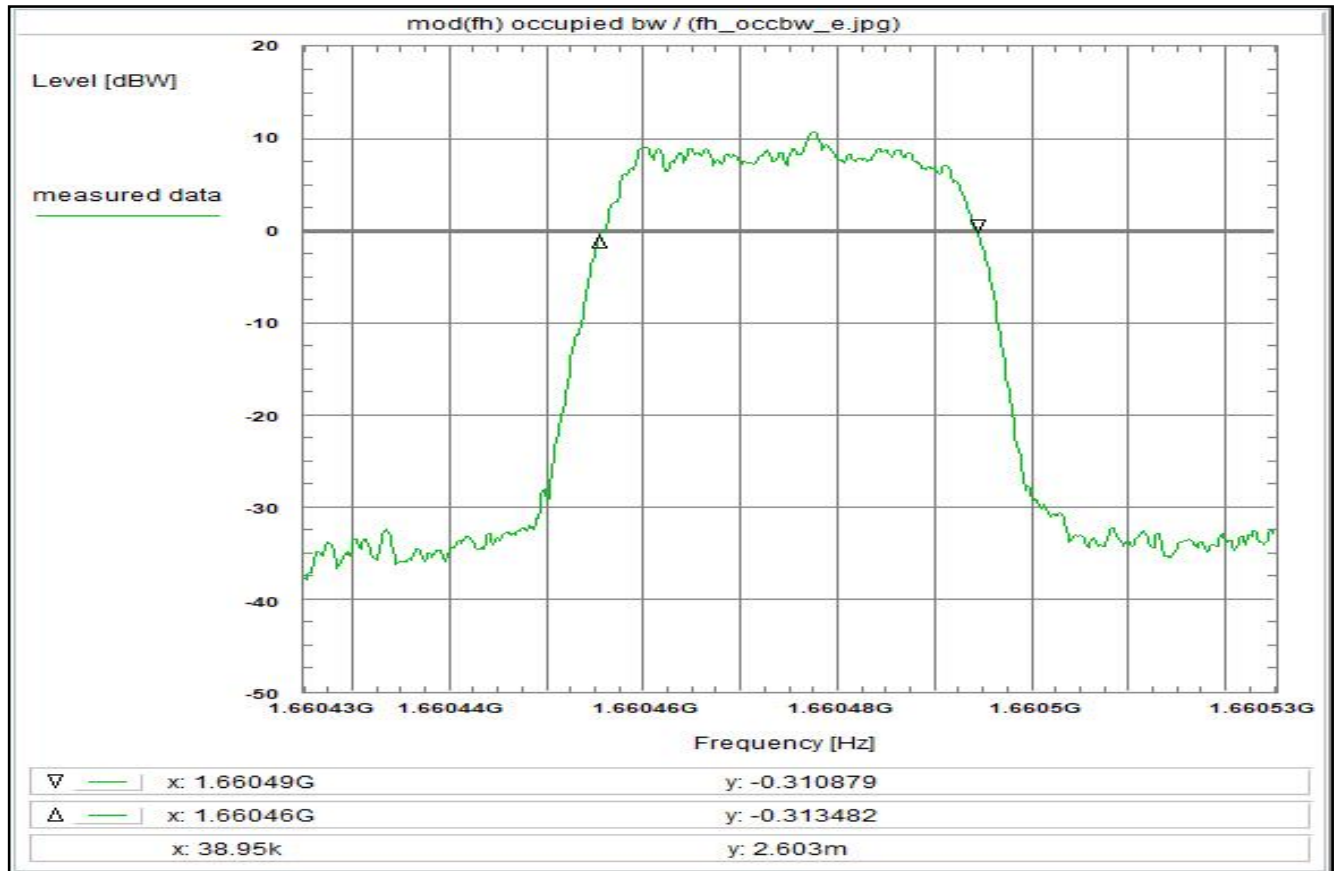
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 39 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 74



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, R20T1XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:25:01
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660425 GHz
 Stop frequency: 1.660525 GHz
 Center frequency: 1.660475 GHz
 Frequency span: 100 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

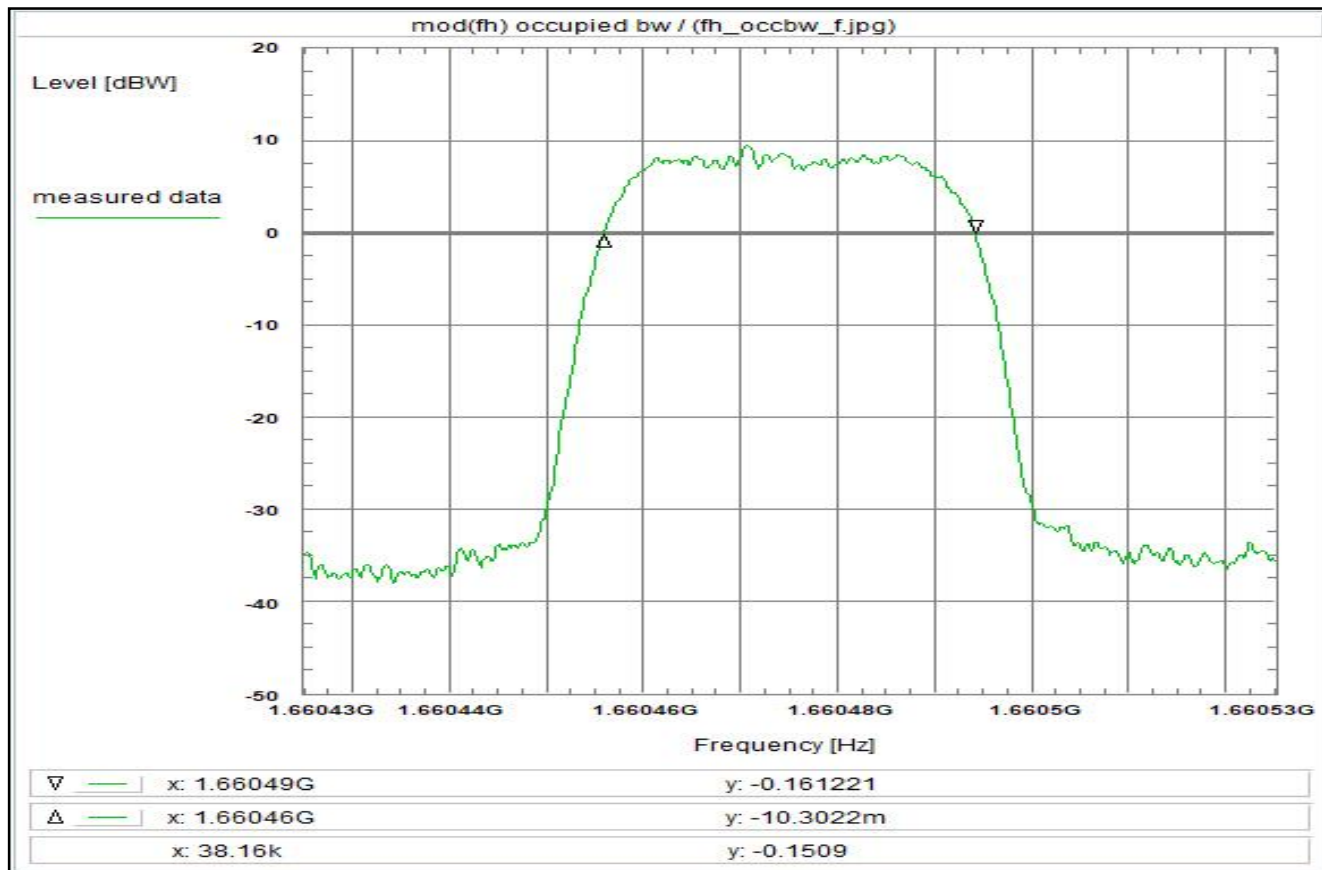
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 39 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 75



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, R20T1QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:37:55
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660425 GHz
 Stop frequency: 1.660525 GHz
 Center frequency: 1.660475 GHz
 Frequency span: 100 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

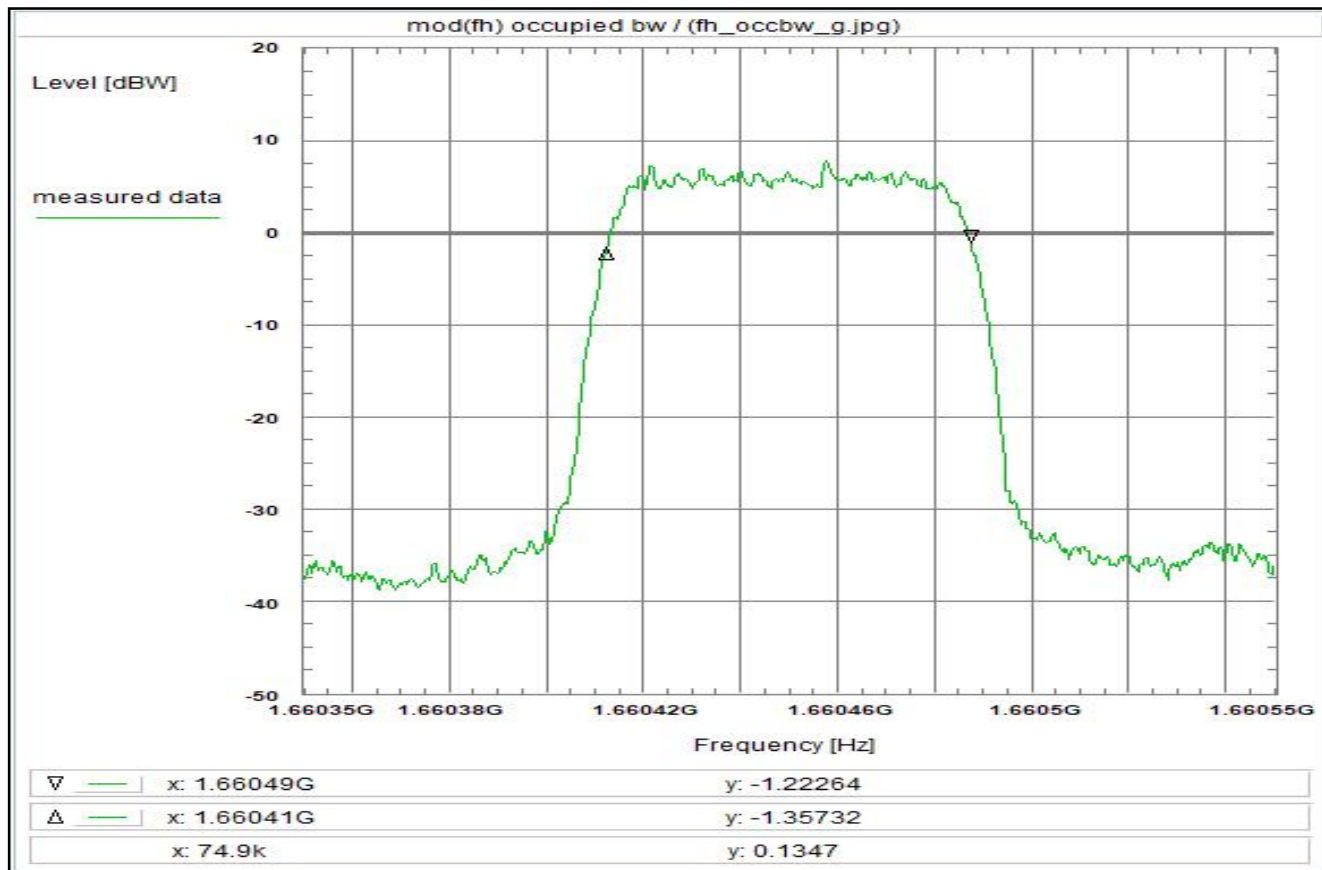
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 38 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 76



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, R5T2XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:40:02
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.66035 GHz
 Stop frequency: 1.66055 GHz
 Center frequency: 1.66045 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

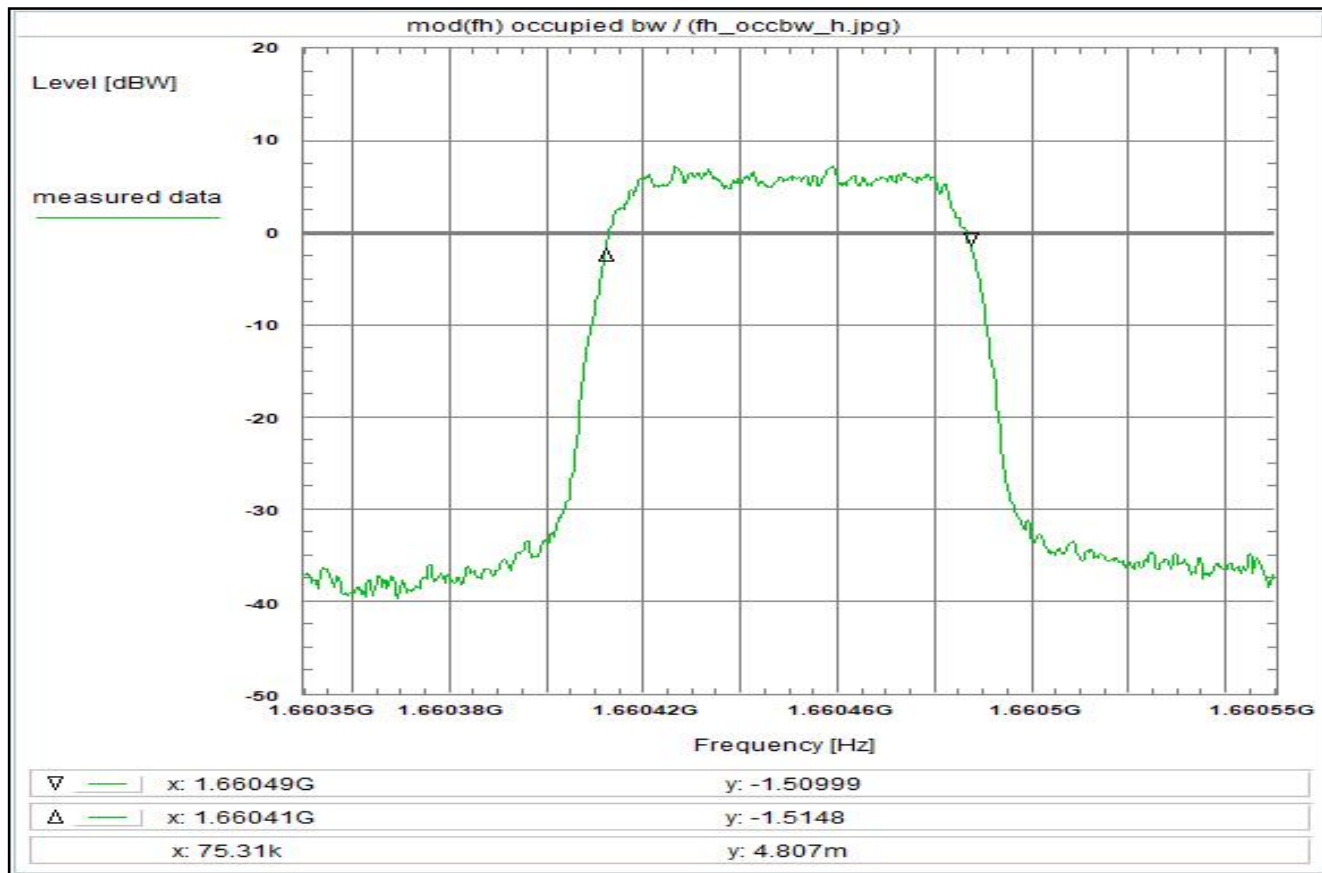
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 75 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 77



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, R20T2XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:42:00
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.66035 GHz
 Stop frequency: 1.66055 GHz
 Center frequency: 1.66045 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

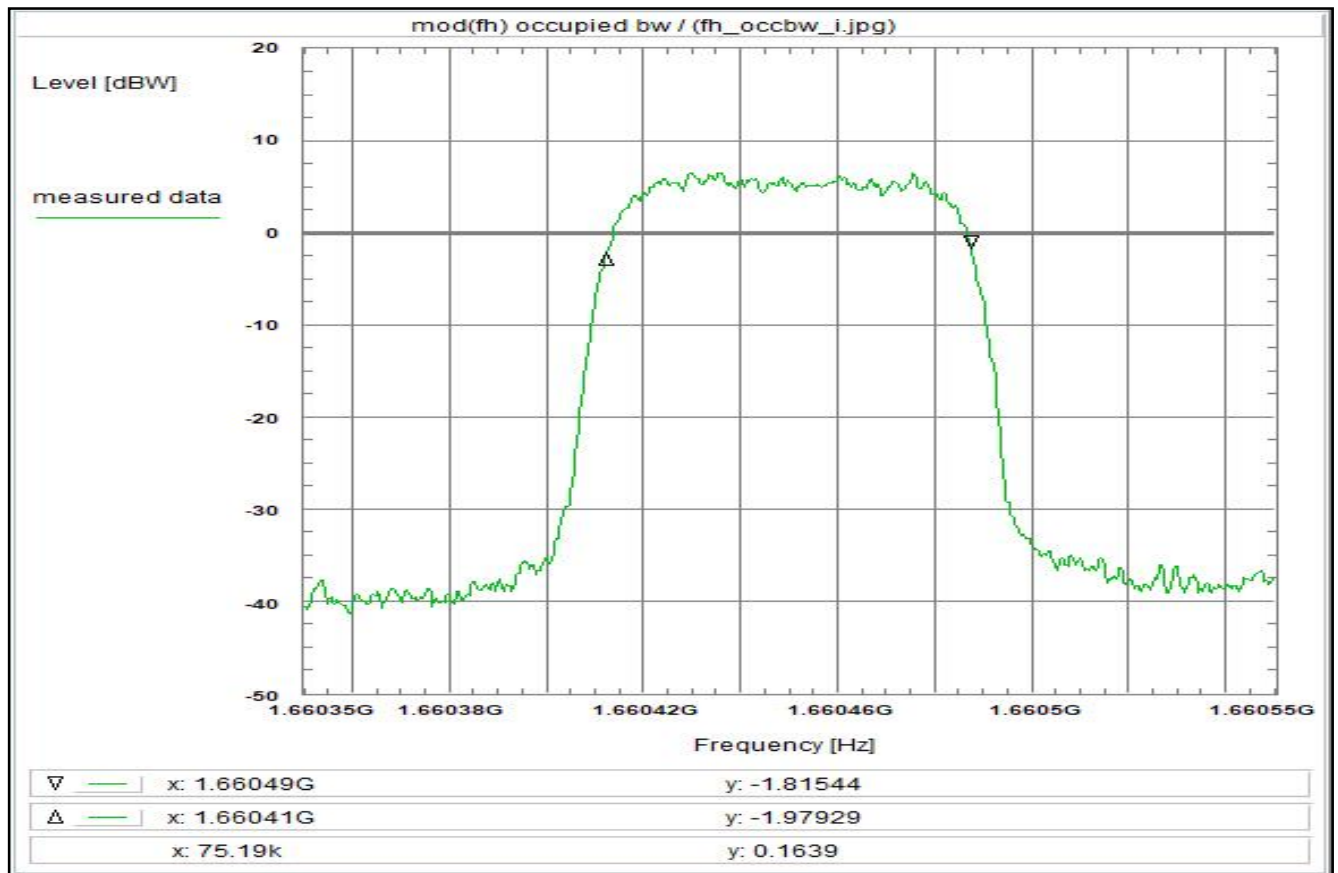
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 75 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 78



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, R5T2QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:44:26
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.66035 GHz
 Stop frequency: 1.66055 GHz
 Center frequency: 1.66045 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

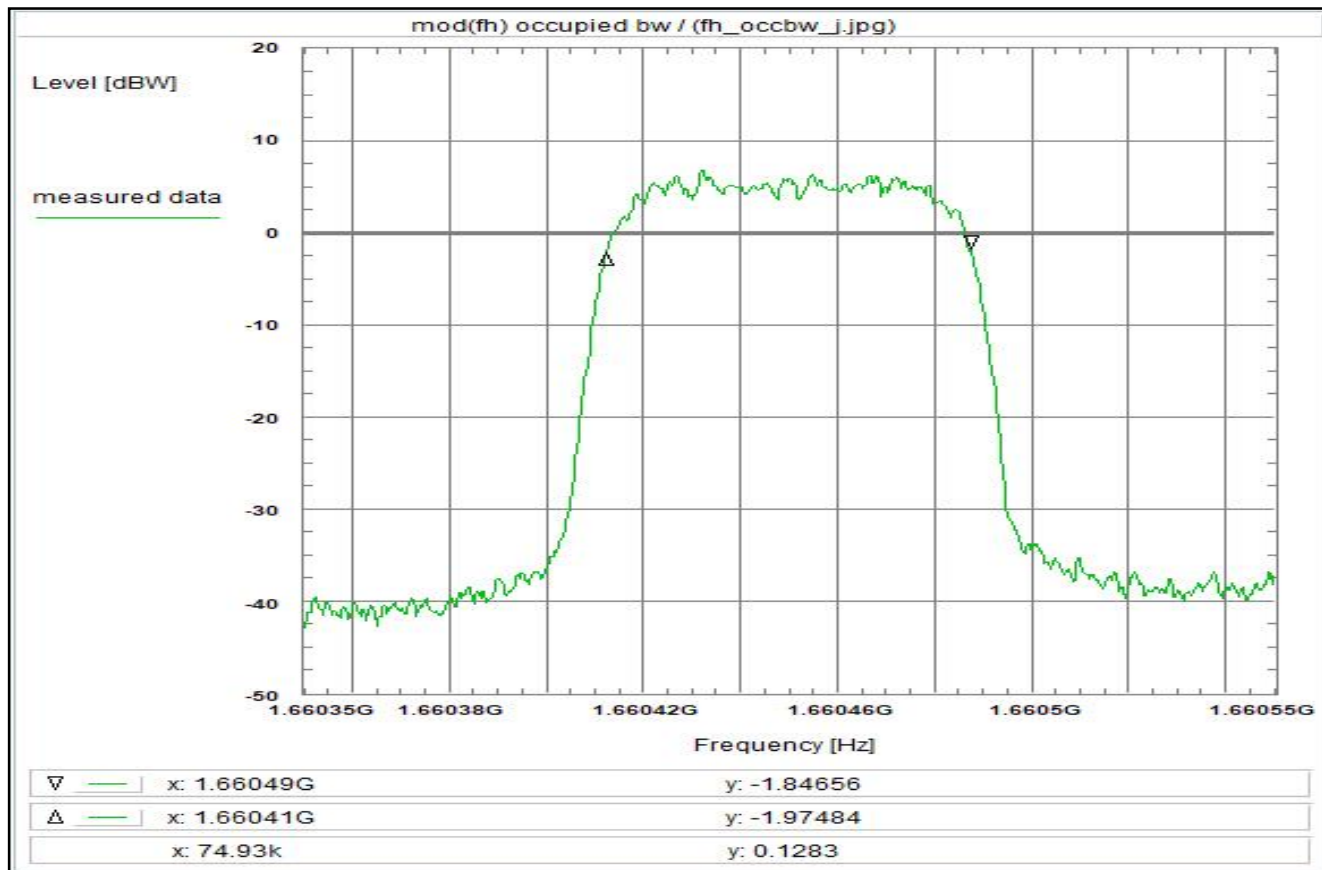
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 75 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 79



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, R20T2QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:45:40
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.66035 GHz
 Stop frequency: 1.66055 GHz
 Center frequency: 1.66045 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

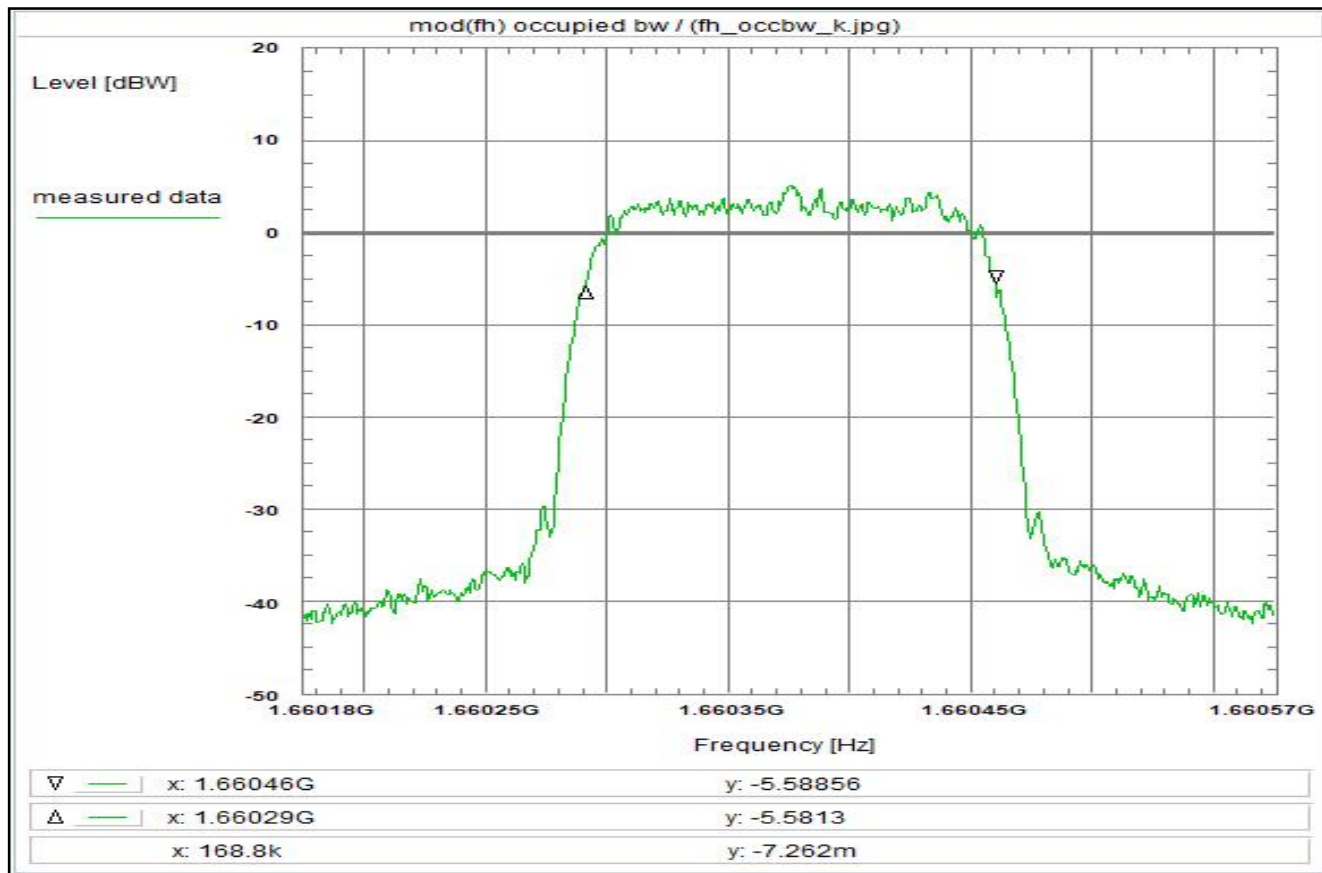
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 75 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 80



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, R5T4.5XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:48:25
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660175 GHz
 Stop frequency: 1.660575 GHz
 Center frequency: 1.660375 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

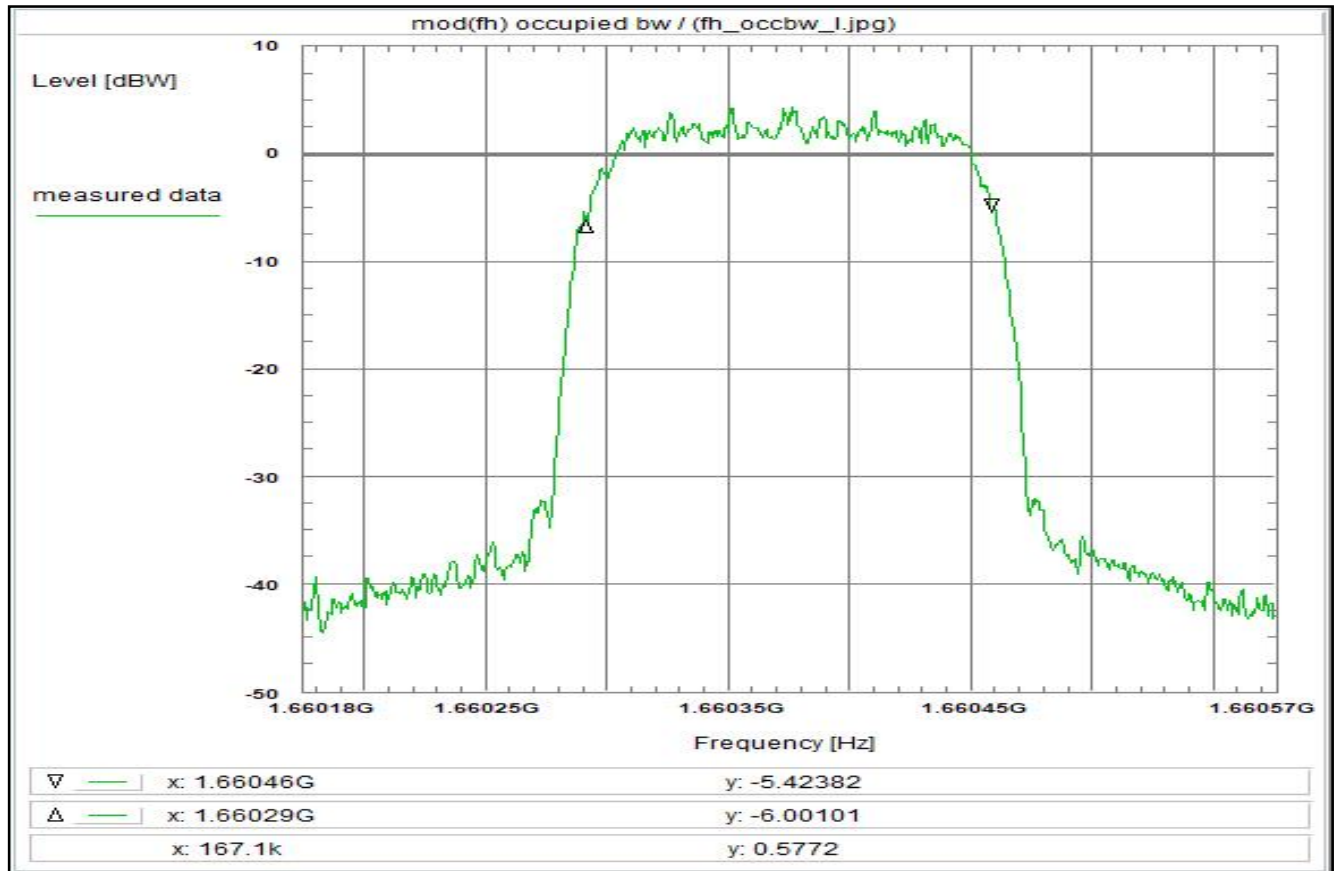
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 81



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, R20T4.5XD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:50:51
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660175 GHz
 Stop frequency: 1.660575 GHz
 Center frequency: 1.660375 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

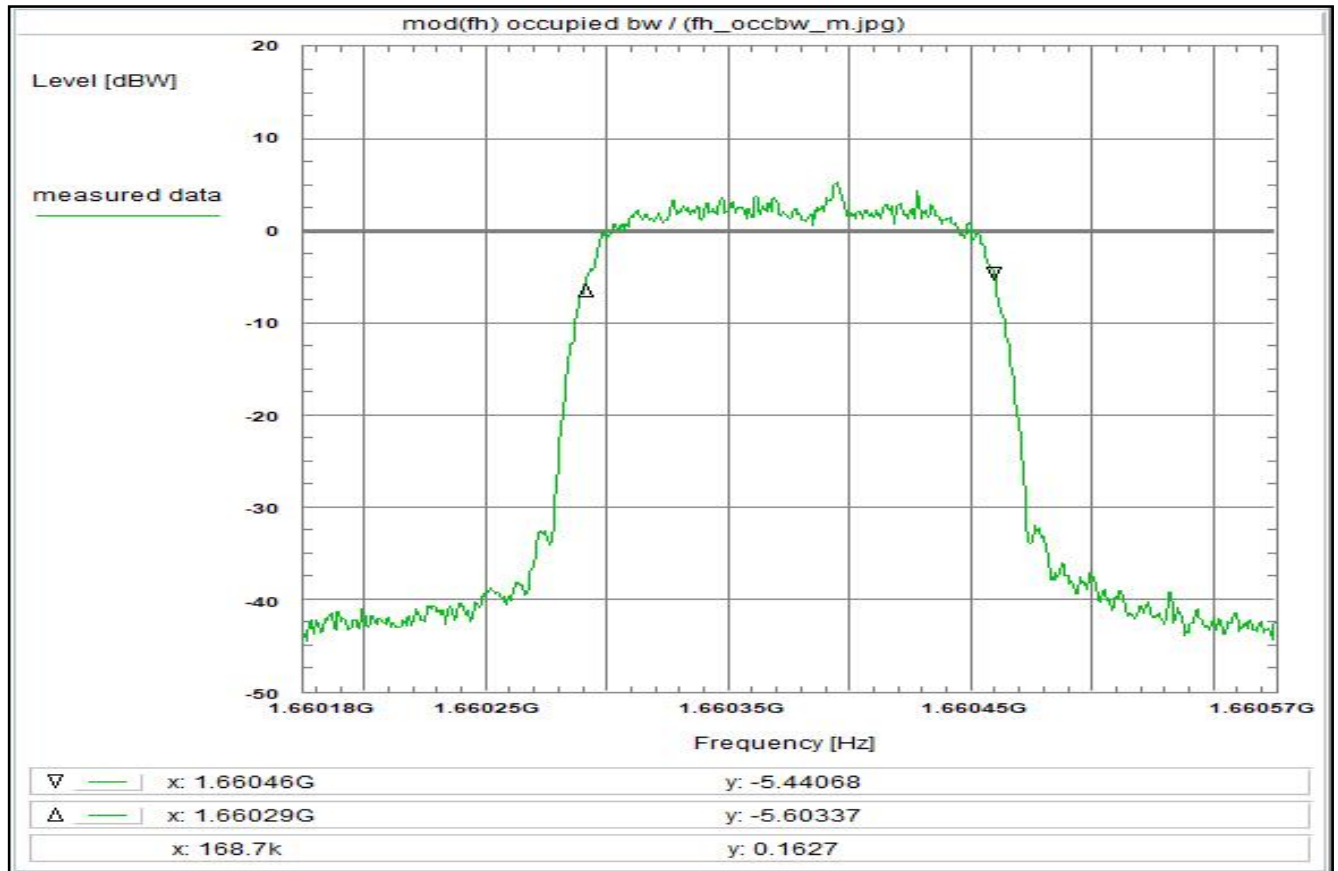
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 82



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, R5T4.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:53:51
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660175 GHz
 Stop frequency: 1.660575 GHz
 Center frequency: 1.660375 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

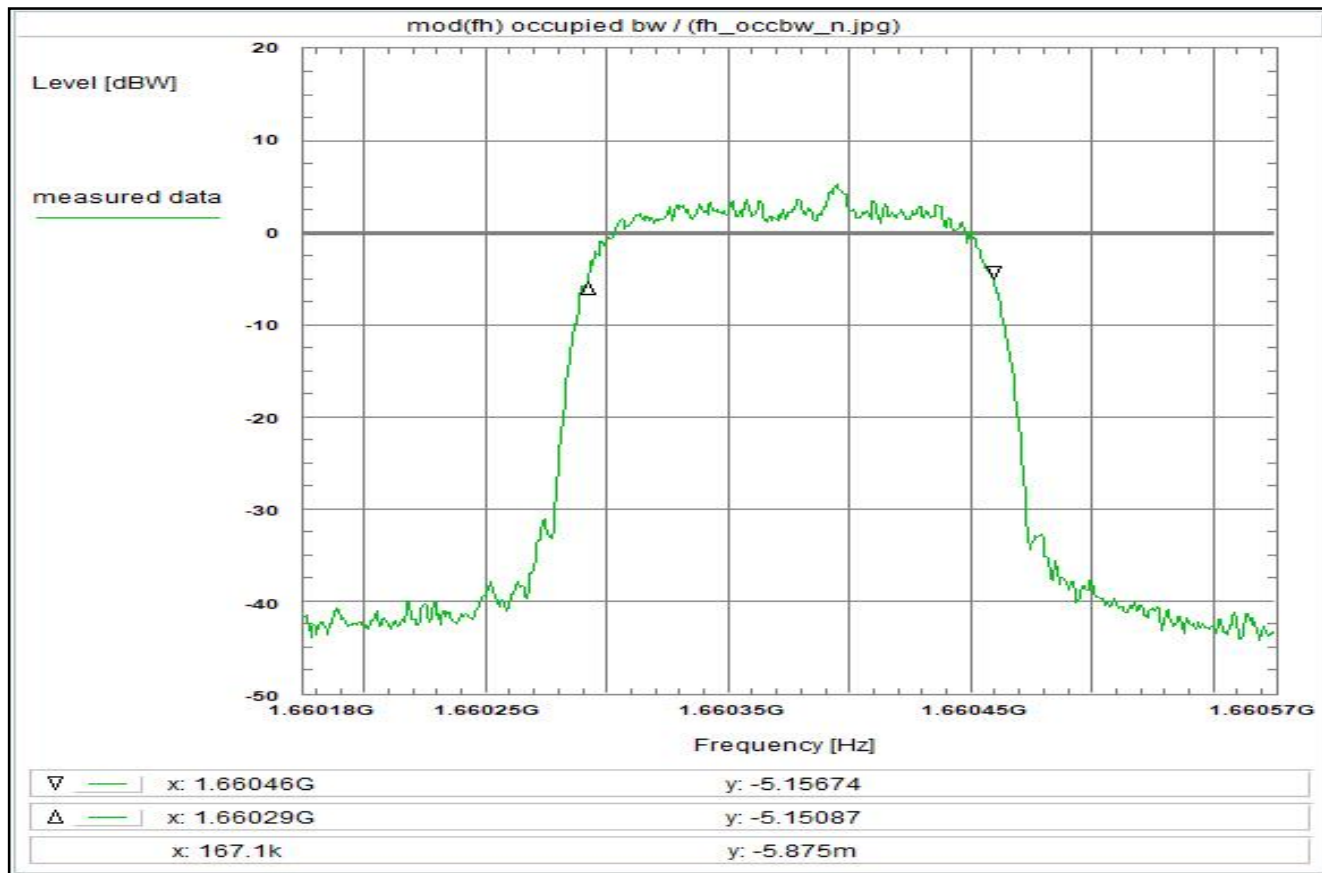
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 83



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, R20T4.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 15:56:35
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660175 GHz
 Stop frequency: 1.660575 GHz
 Center frequency: 1.660375 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

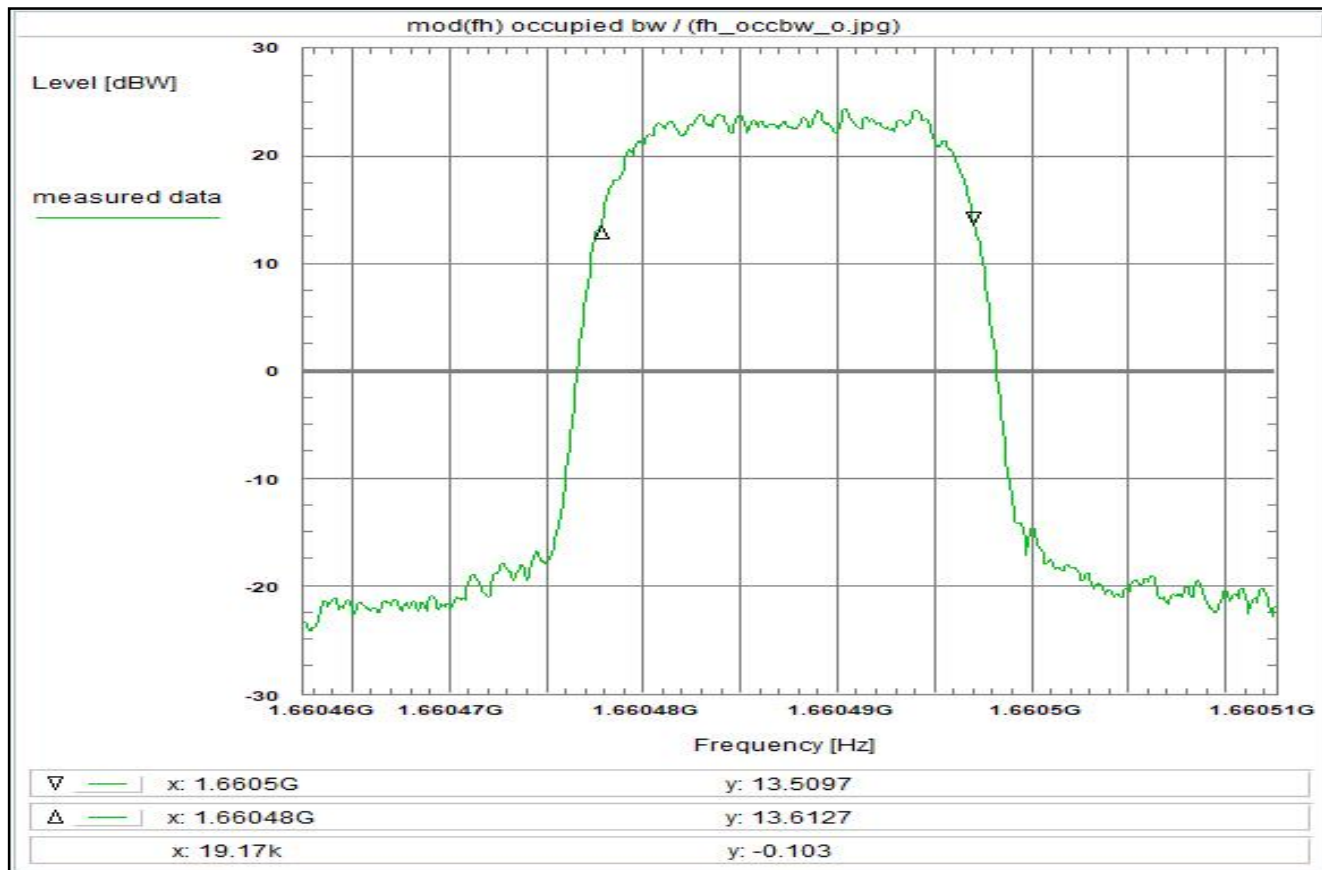
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 167 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 84



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh R20T0.5QD

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 05/Jun/2020 13:03:55
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.6604625 GHz
 Stop frequency: 1.6605125 GHz
 Center frequency: 1.6604875 GHz
 Frequency span: 50 kHz
 Resolution-BW: 1 kHz
 Video-BW: 3 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

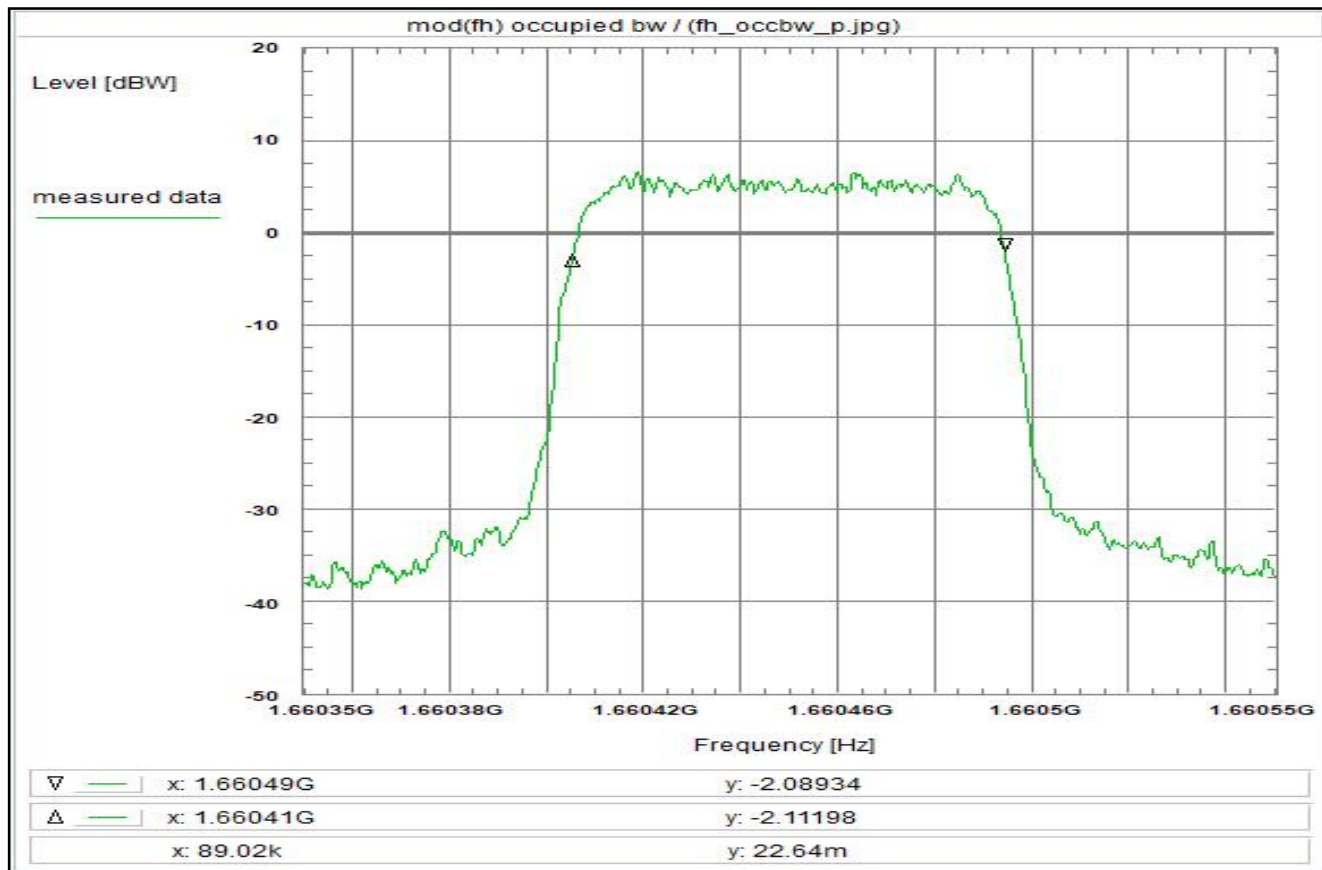
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 19kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 85



Subclause: -/- Function test
Modulated rf-carrier at the upper edge of the band (fh)
Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
A700S Class 6 HDR PIESD, fh, FR80T2.5X16

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 16:02:04
Location: CTC advanced GmbH, Laboratory RC-SYS
Temperature: 22 °C
Humidity: 55 %
Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.66035 GHz
Stop frequency: 1.66055 GHz
Center frequency: 1.66045 GHz
Frequency span: 200 kHz
Resolution-BW: 3 kHz
Video-BW: 10 kHz
Input attenuation: 40 dB
Trace-Mode: Max-Hold
Detector-Mode: Pos Peak

Correction:

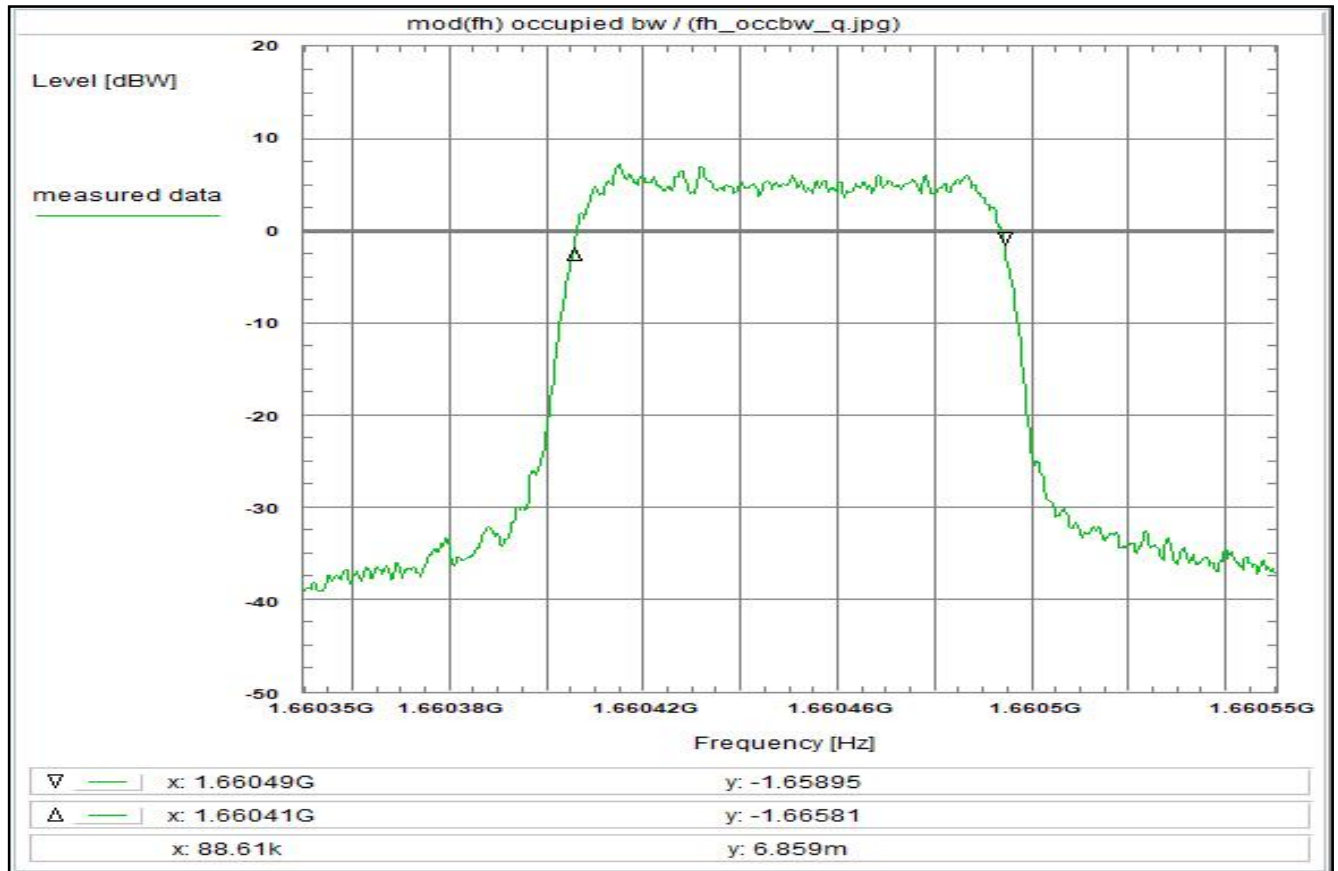
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dB
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 88 kHz (delta marker)
Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 86



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, FR80T2.5X32

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 16:03:25
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.66035 GHz
 Stop frequency: 1.66055 GHz
 Center frequency: 1.66045 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

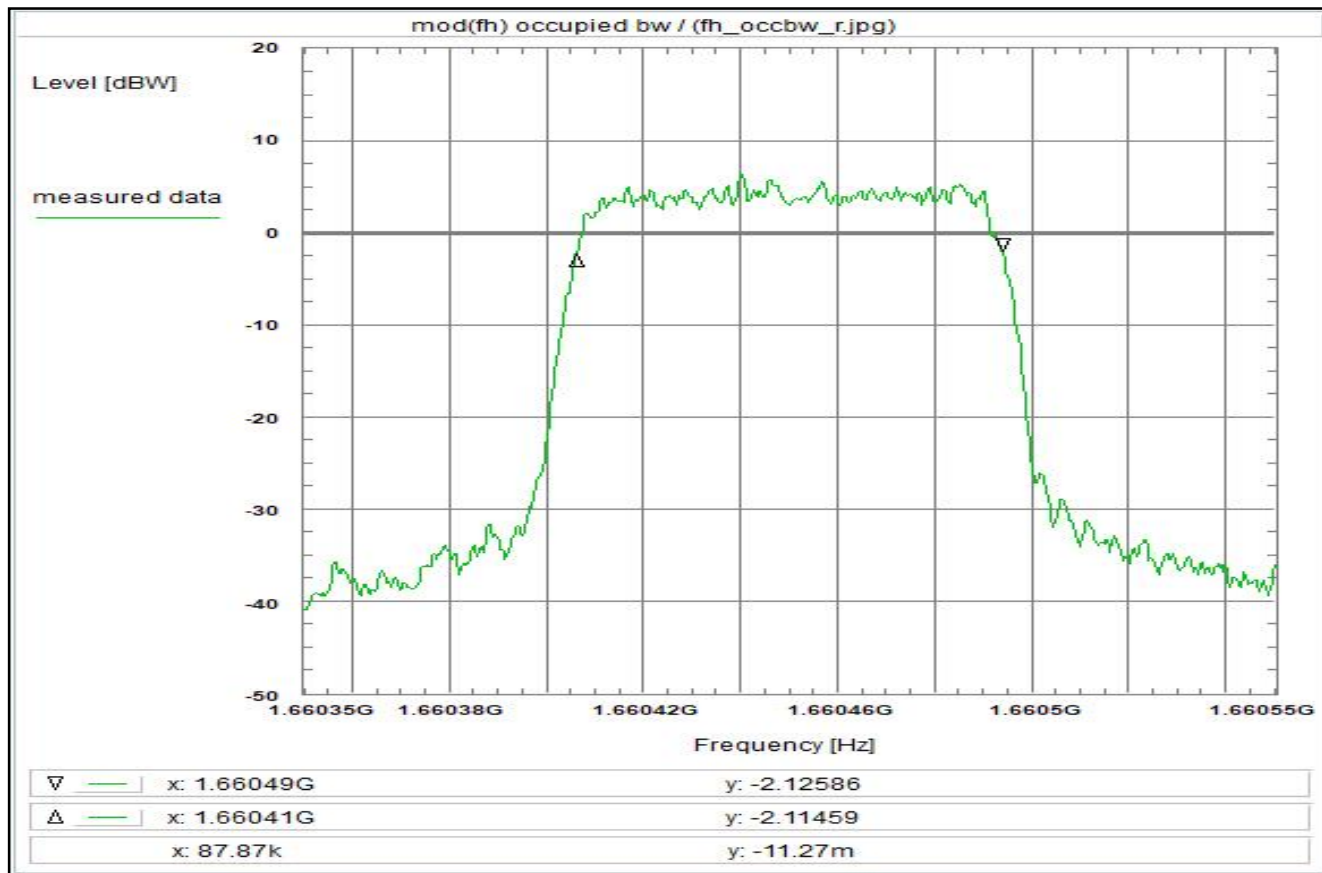
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 88 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 87



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, FR80T2.5X64

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 16:04:16
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.66035 GHz
 Stop frequency: 1.66055 GHz
 Center frequency: 1.66045 GHz
 Frequency span: 200 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

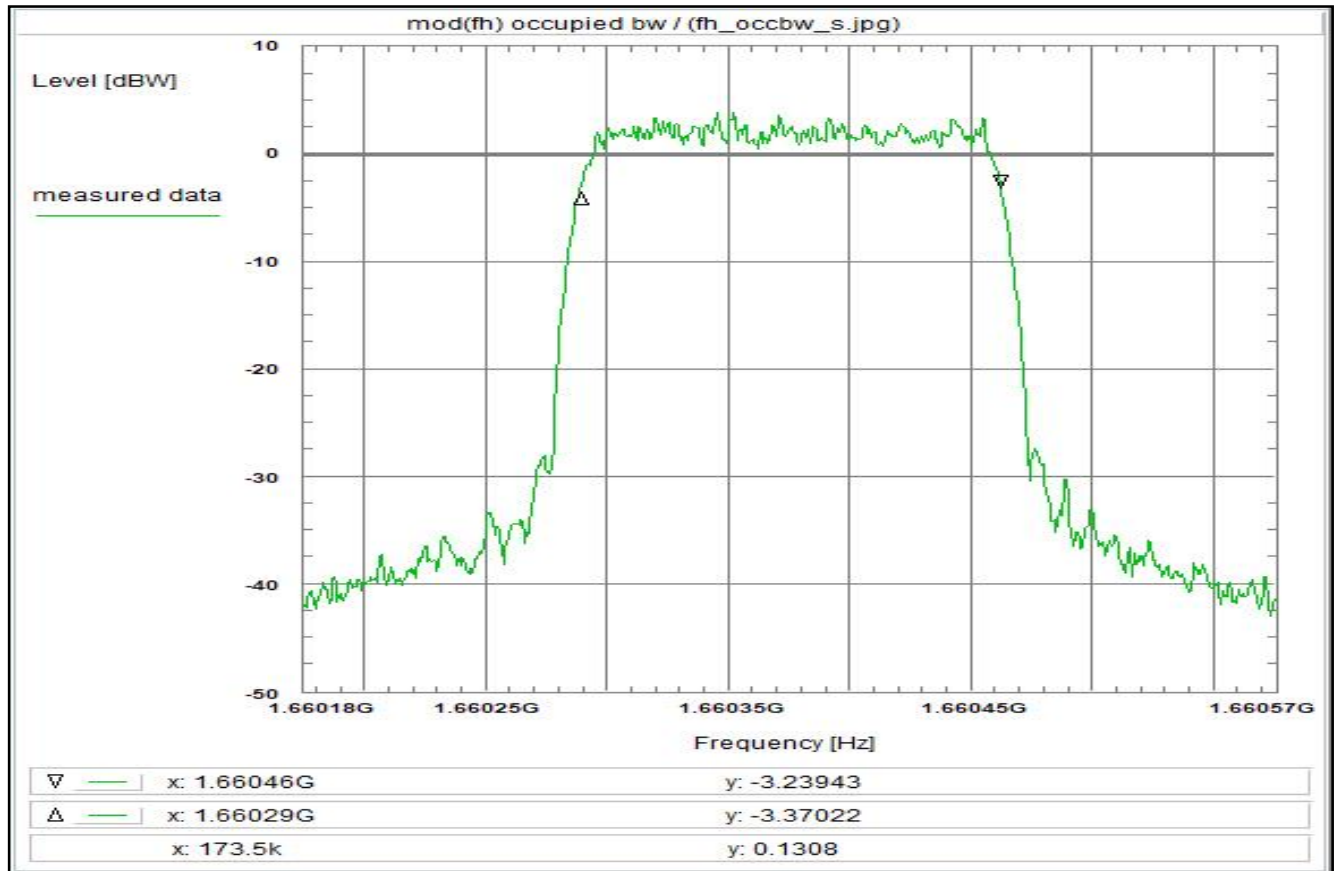
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 88 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 88



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, FR80TX16

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 16:06:45
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660175 GHz
 Stop frequency: 1.660575 GHz
 Center frequency: 1.660375 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

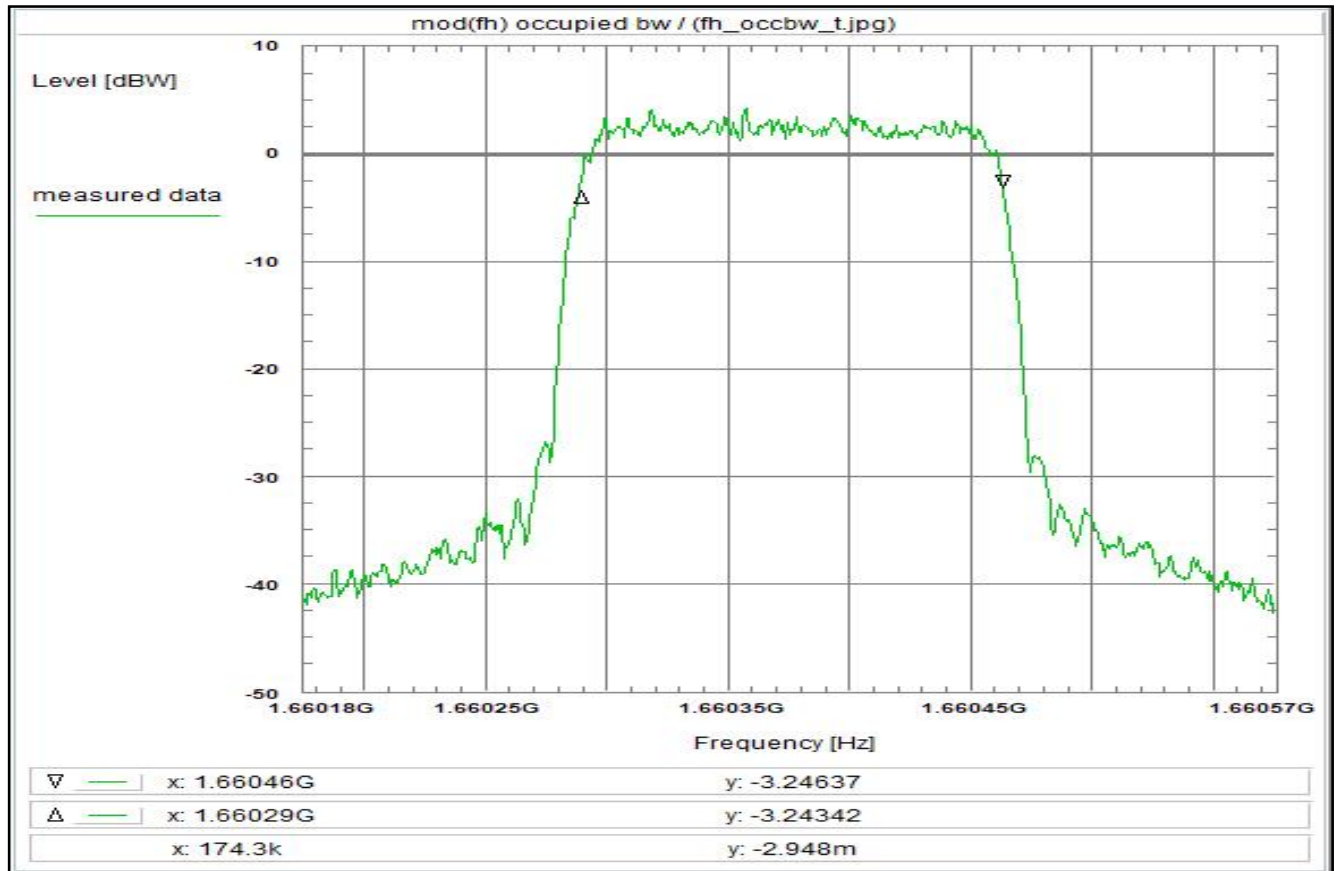
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 174 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 89



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, FR80TX32

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 16:09:54
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660175 GHz
 Stop frequency: 1.660575 GHz
 Center frequency: 1.660375 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

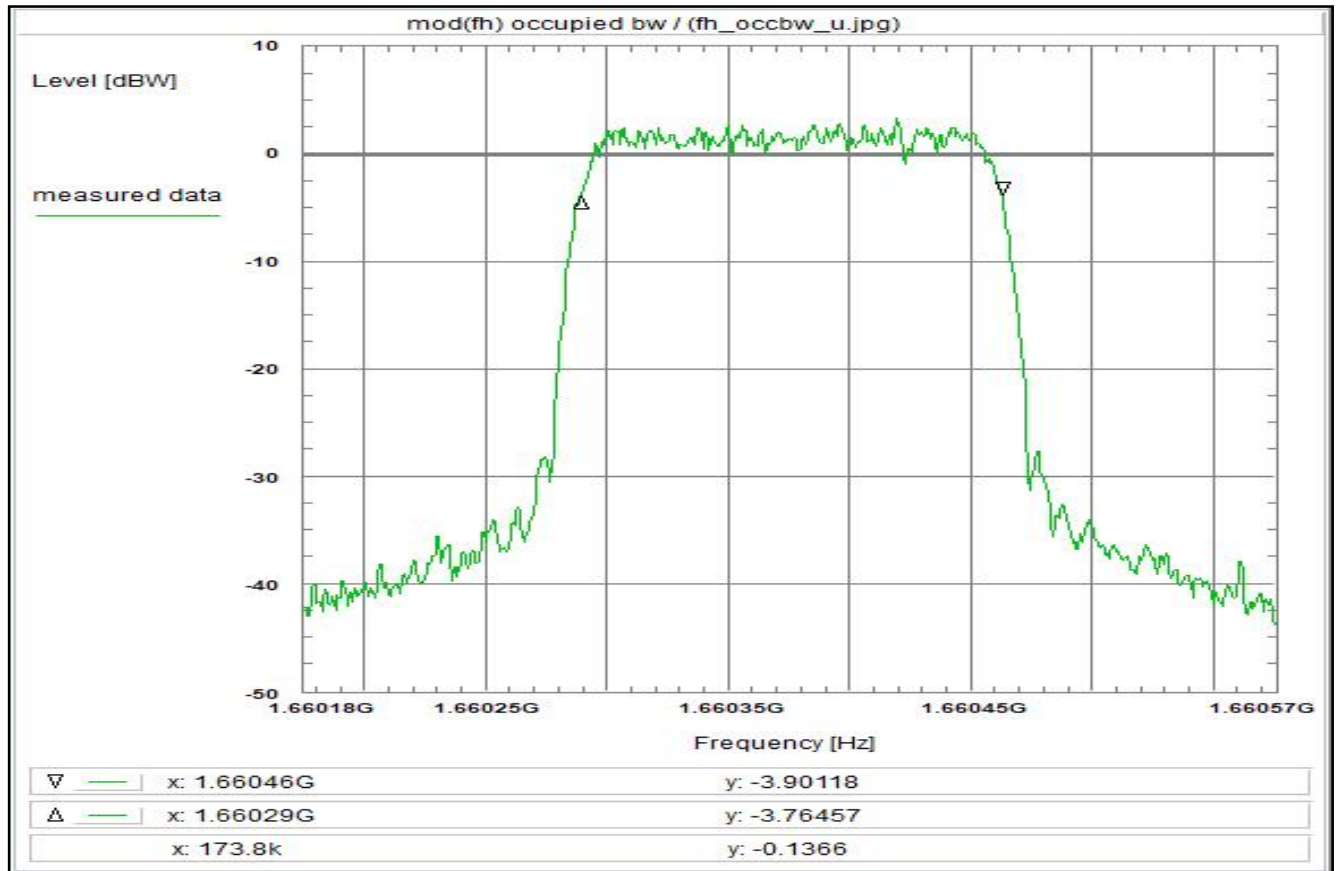
Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 174 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.

Plot No. 90



Subclause: -/- Function test
 Modulated rf-carrier at the upper edge of the band (fh)
 Determination of the 'occupied bandwidth'

Limit:

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 % of the total mean power radiated by a given emission. (see §2.1049).

Test results:

see plot (an explicit table was not generated)

Operating condition of DUT:

operating condition 1, see test report chapter 5.4
 A700S Class 6 HDR PIESD, fh, FR80TX64

Test setup:

see test report chapter 7.2 setup 1.1hgj

Test equipment:

see test report chapter 7.2: C220, Power Splitter, R001, U311, U312

Remark:

Determination of occupied bandwidth

Test result: Test passed

Environment condition:

Date & Time: Fri 15/May/2020 16:12:21
 Location: CTC advanced GmbH, Laboratory RC-SYS
 Temperature: 22 °C
 Humidity: 55 %
 Voltage: 115 Vac / 400 Hz

Setup of measurement equipment:

Start frequency: 1.660175 GHz
 Stop frequency: 1.660575 GHz
 Center frequency: 1.660375 GHz
 Frequency span: 400 kHz
 Resolution-BW: 3 kHz
 Video-BW: 10 kHz
 Input attenuation: 40 dB
 Trace-Mode: Max-Hold
 Detector-Mode: Pos Peak

Correction:

Directional coupler	+ 0.0 dB
Coaxial cable (C220)	+ 0.9 dB
DUT-Antenna (on-axis)	+ 0.0 dBi
Test antenna	+ 0.0 dB
BW correction factor	+ 0.0 dB
Atten. between HPA and feedhorn	+ 0.0 dB
20 dB attenuator (U312)	+ 19.5 dB
10 dB attenuator(U311)	+ 9.7 dB
Power splitter	+ 6.7 dB
TOTAL CORRECTION:	+ 36.8 dB

Remarks:

Determination of the 'occupied bandwidth' at fh:

The measured value is about 174 kHz (delta marker)
 Measurement with 3 kHz resolution filter and noise averaging.