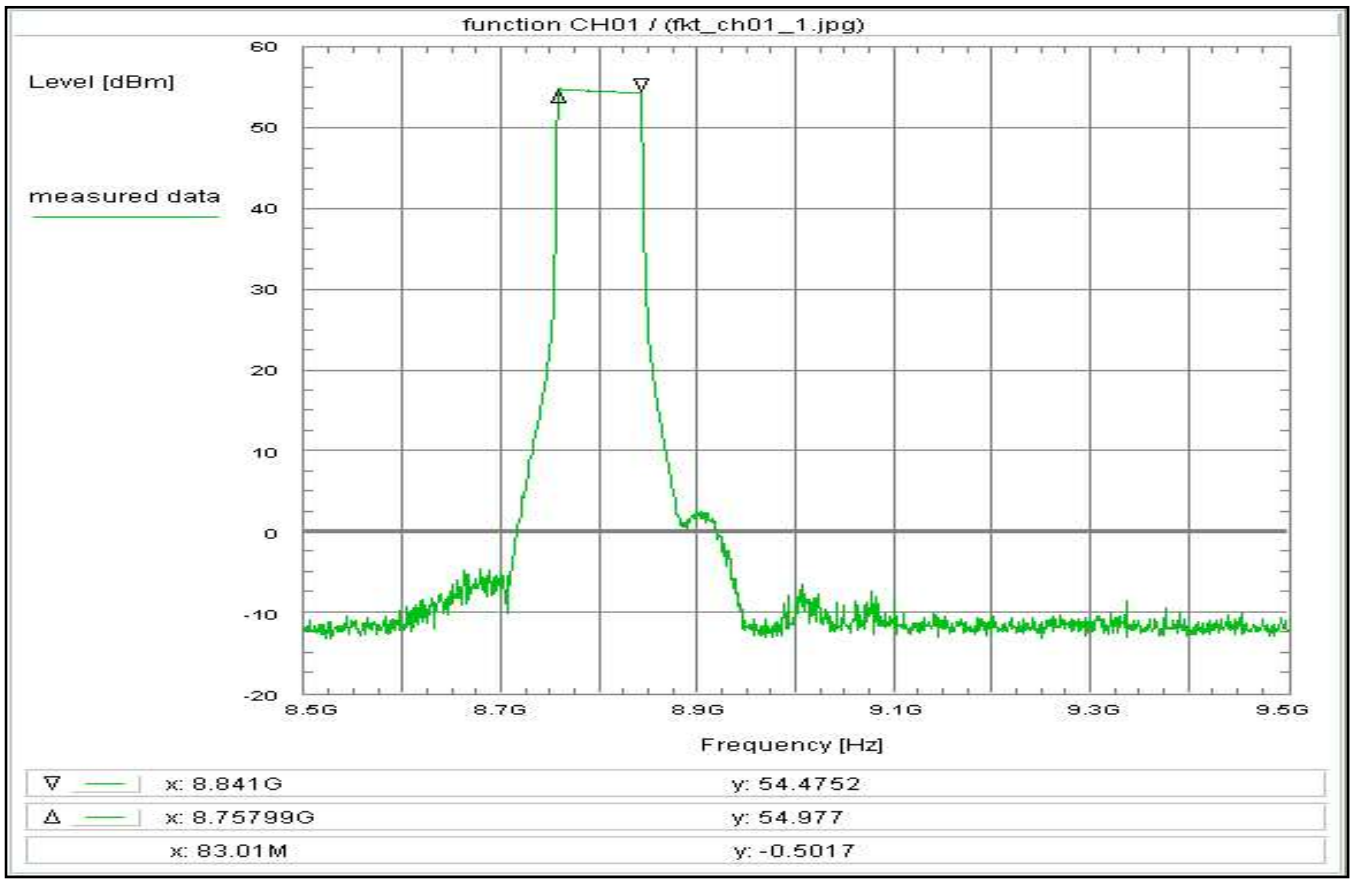
Annex 1 Measurement Results; Part 1

This annex consists of 141 pages including this page.

Plot No. 1



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:06:17	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

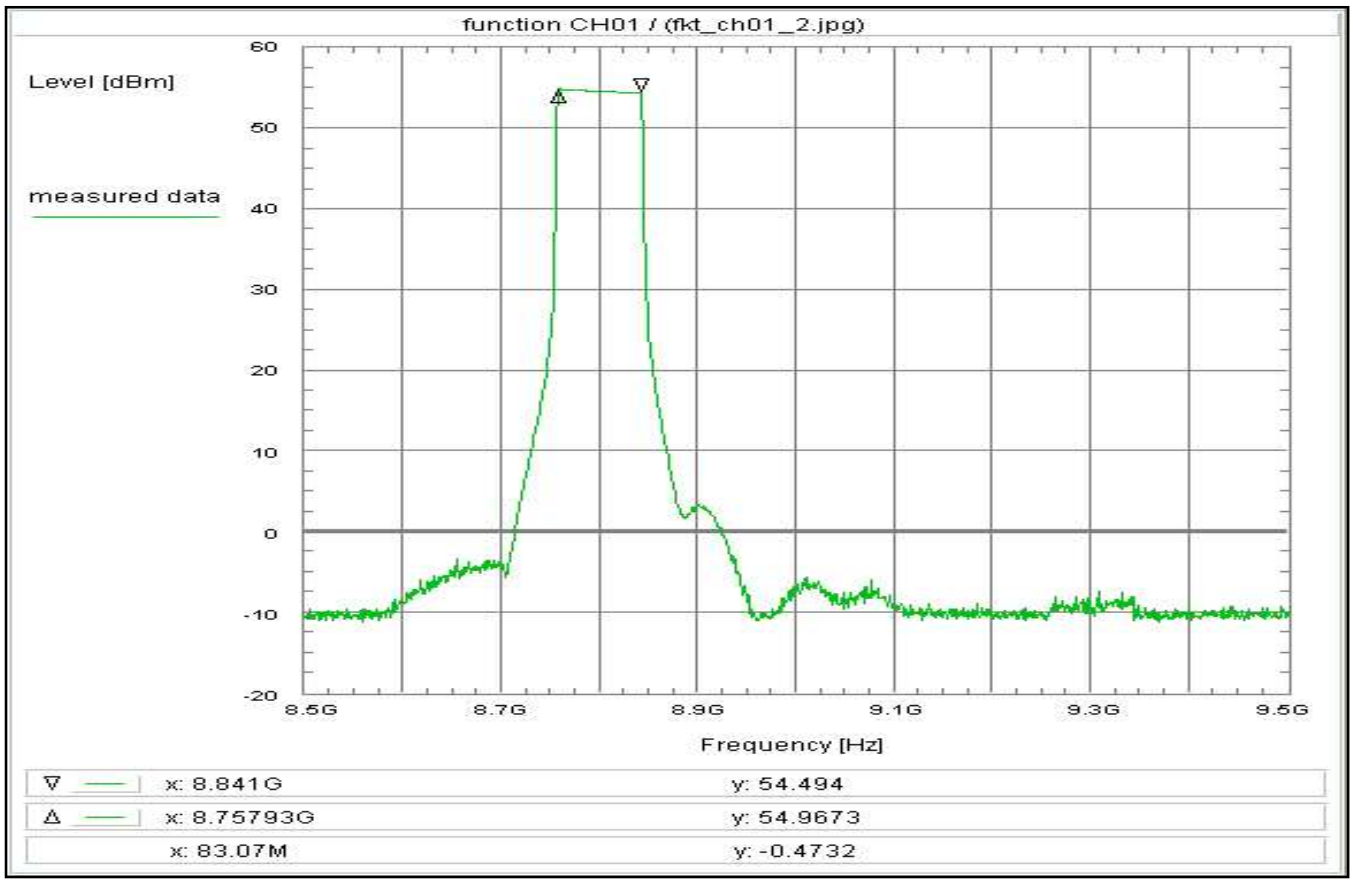
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Clear Write	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.2	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.6	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.7 dBm
CH01, 85 MHz, Tx-Port: 01

Plot No. 2



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:30:40	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

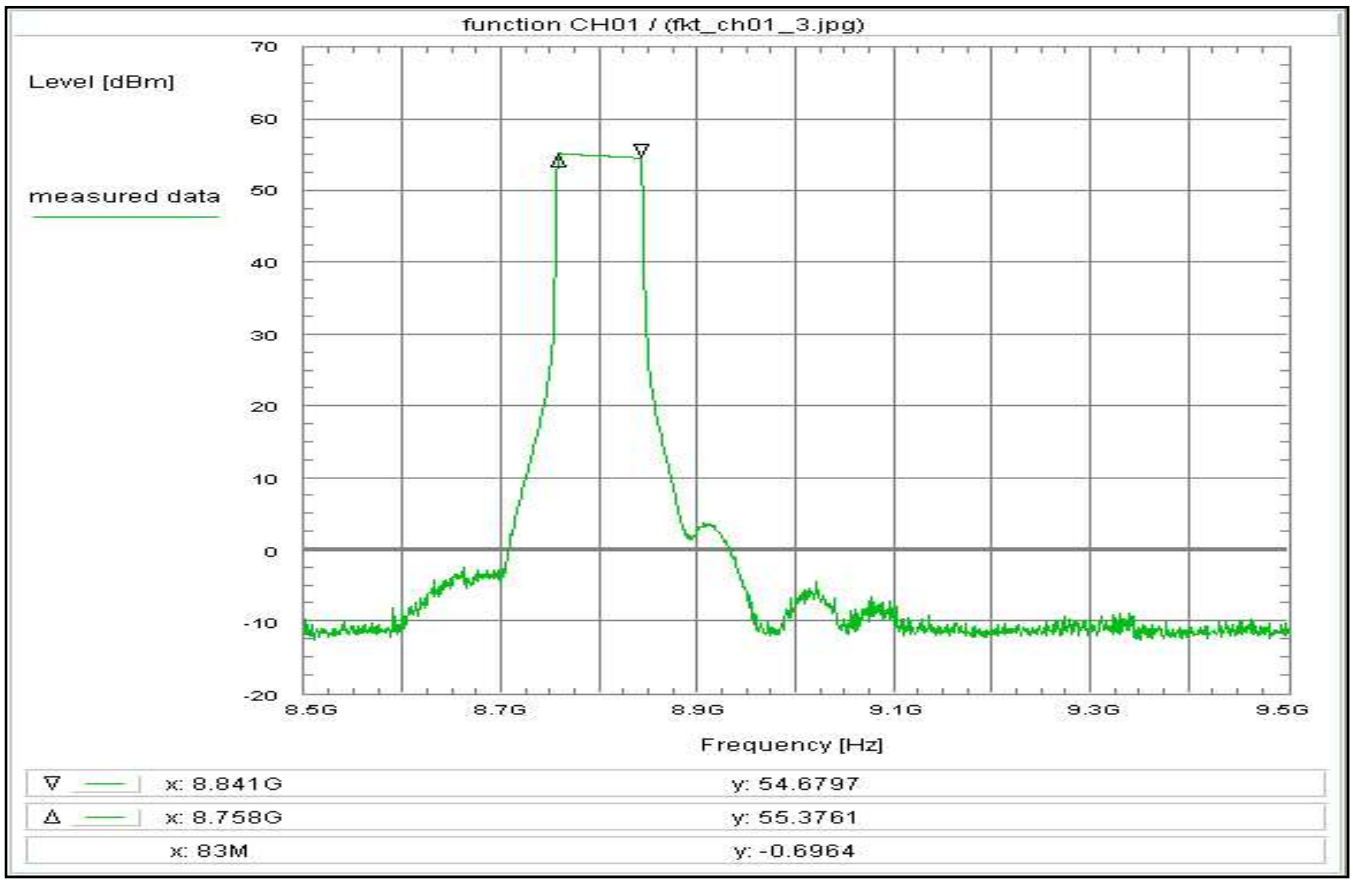
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.2	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.6	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.7 dBm
CH01, 85 MHz, Tx-Port: 02

Plot No. 3



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:44:06	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

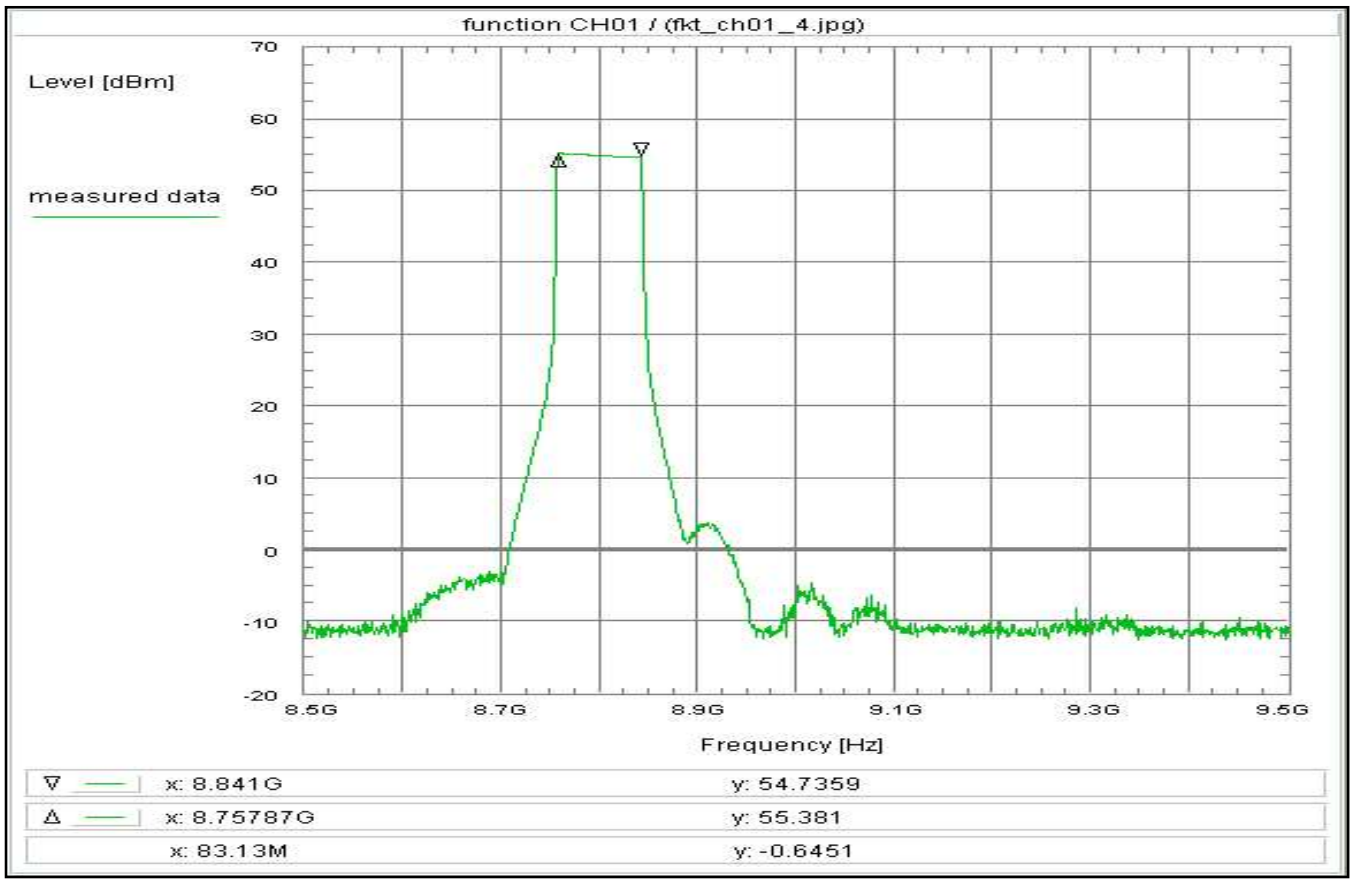
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.2	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.6	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 33.0 dBm
CH01, 85 MHz, Tx-Port: 03

Plot No. 4



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:10:42	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

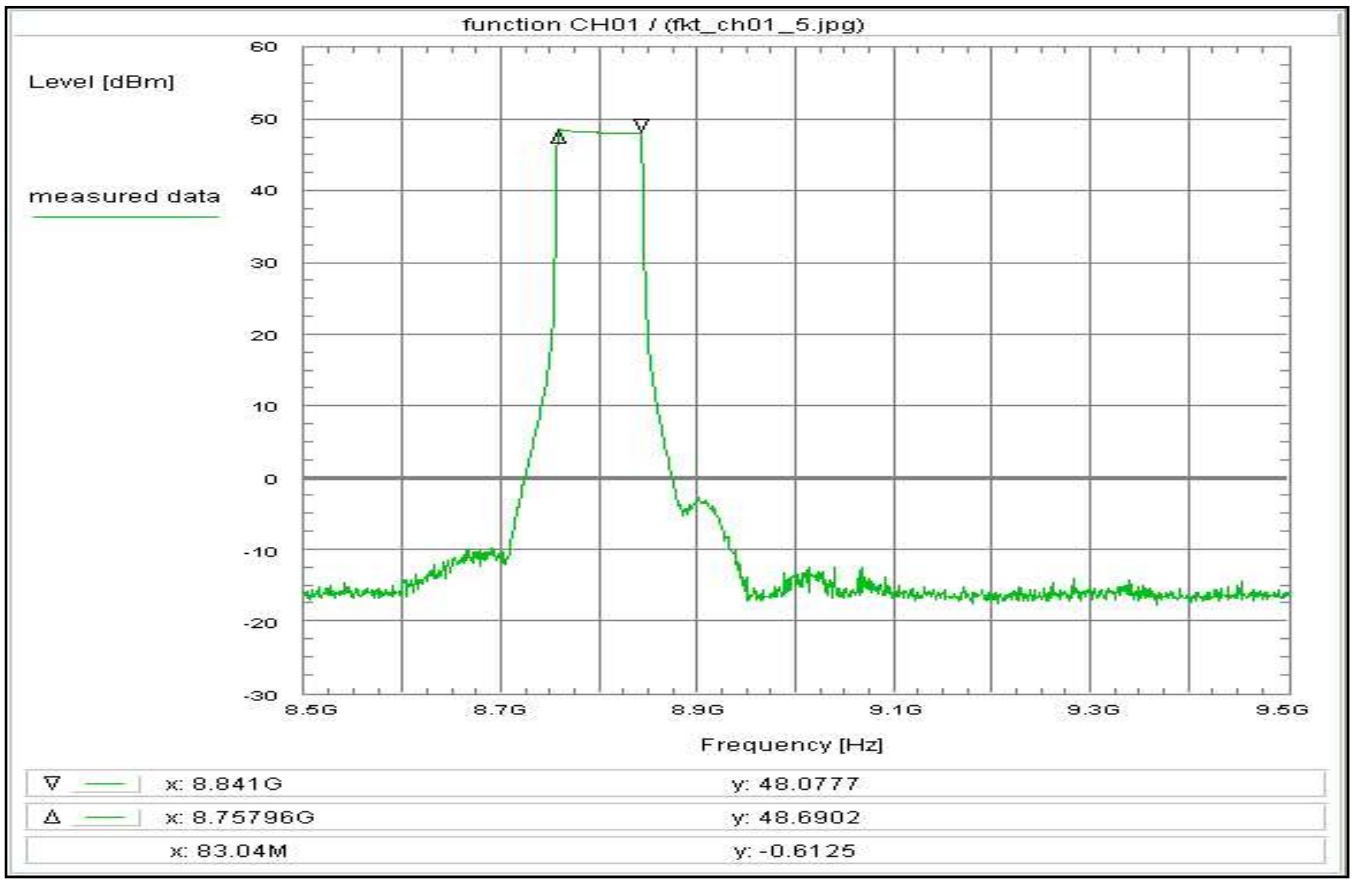
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.2	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.6	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 33.1 dBm
CH01, 85 MHz, Tx-Port: 04

Plot No. 5



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:14:31	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

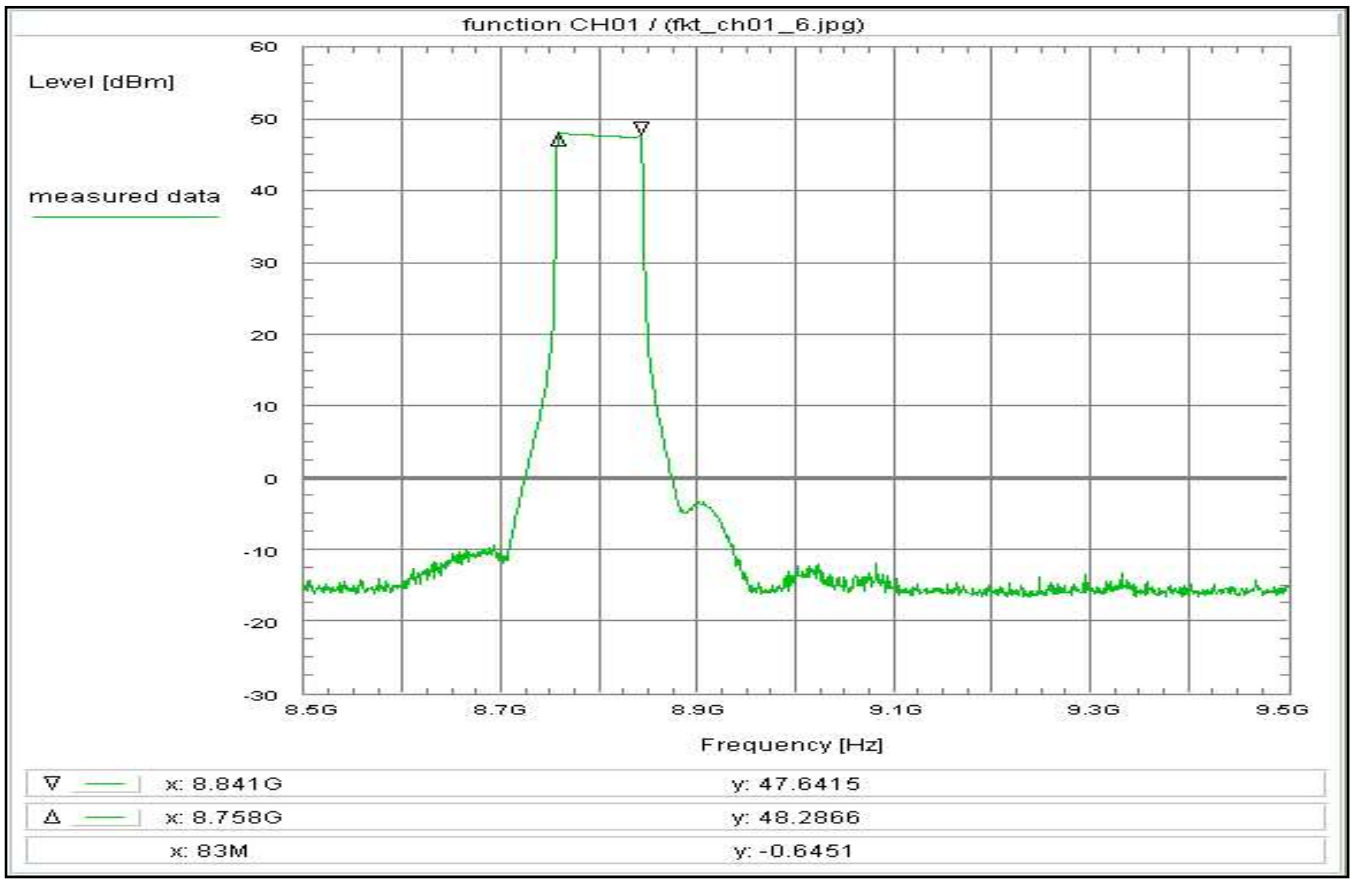
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.2	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.6	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 26.2 dBm
CH01, 85 MHz, Tx-Port: 05

Plot No. 6



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:30:41	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

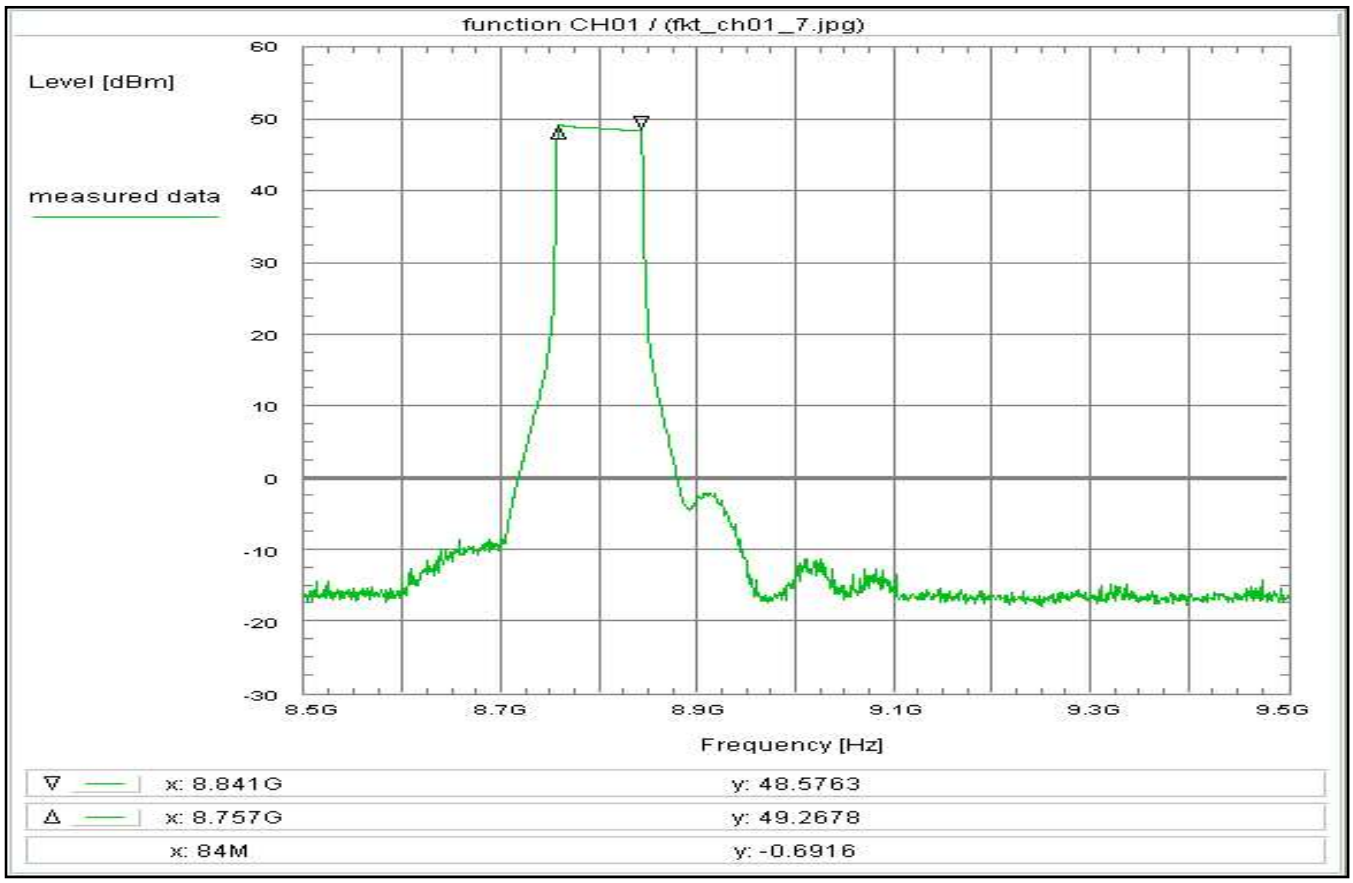
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.2	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.6	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 25.8 dBm
CH01, 85 MHz, Tx-Port: 06

Plot No. 7



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:32:42	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

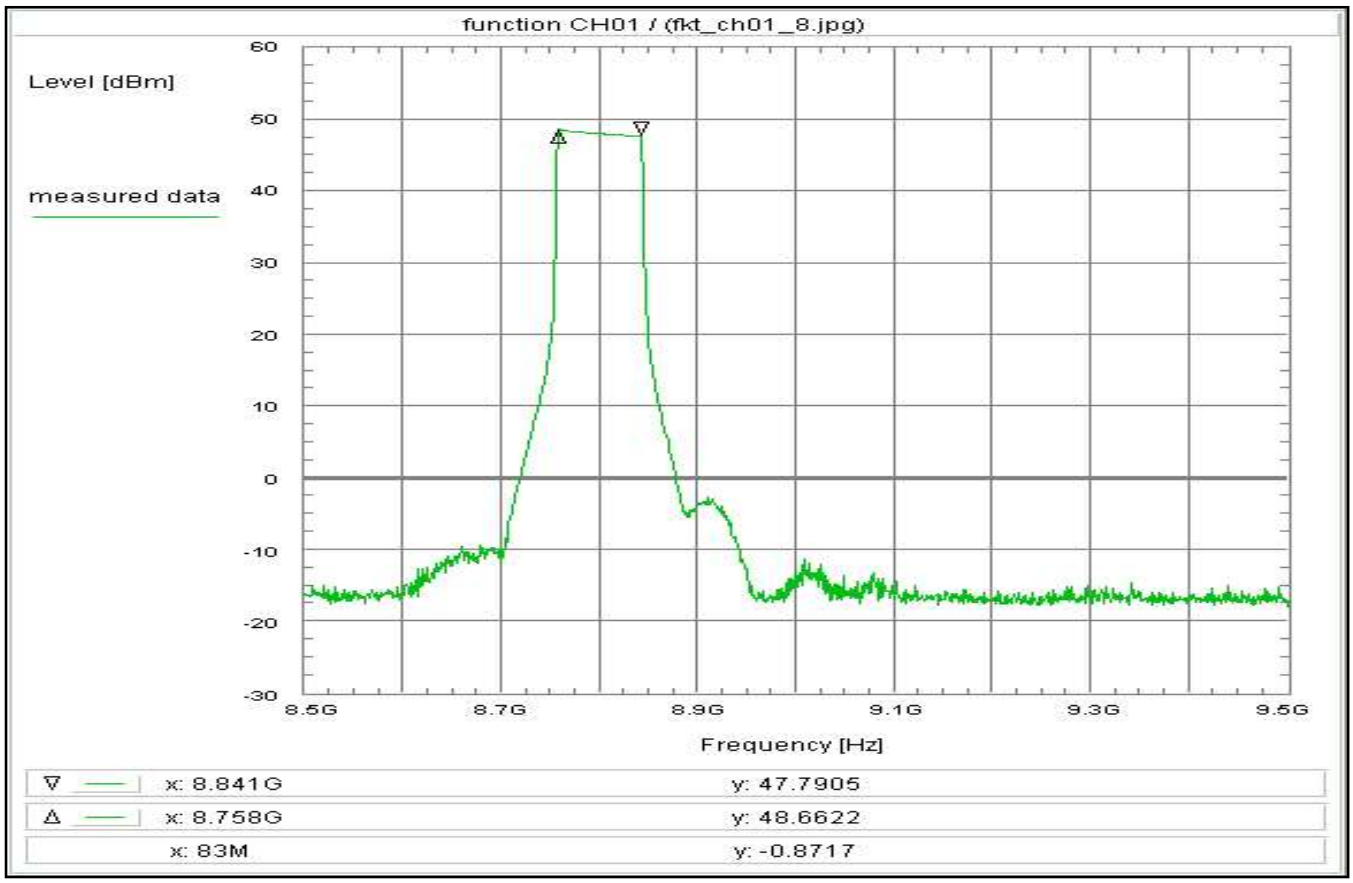
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.2	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.6	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 26.9 dBm
CH01, 85 MHz, Tx-Port: 07

Plot No. 8



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:47:05	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

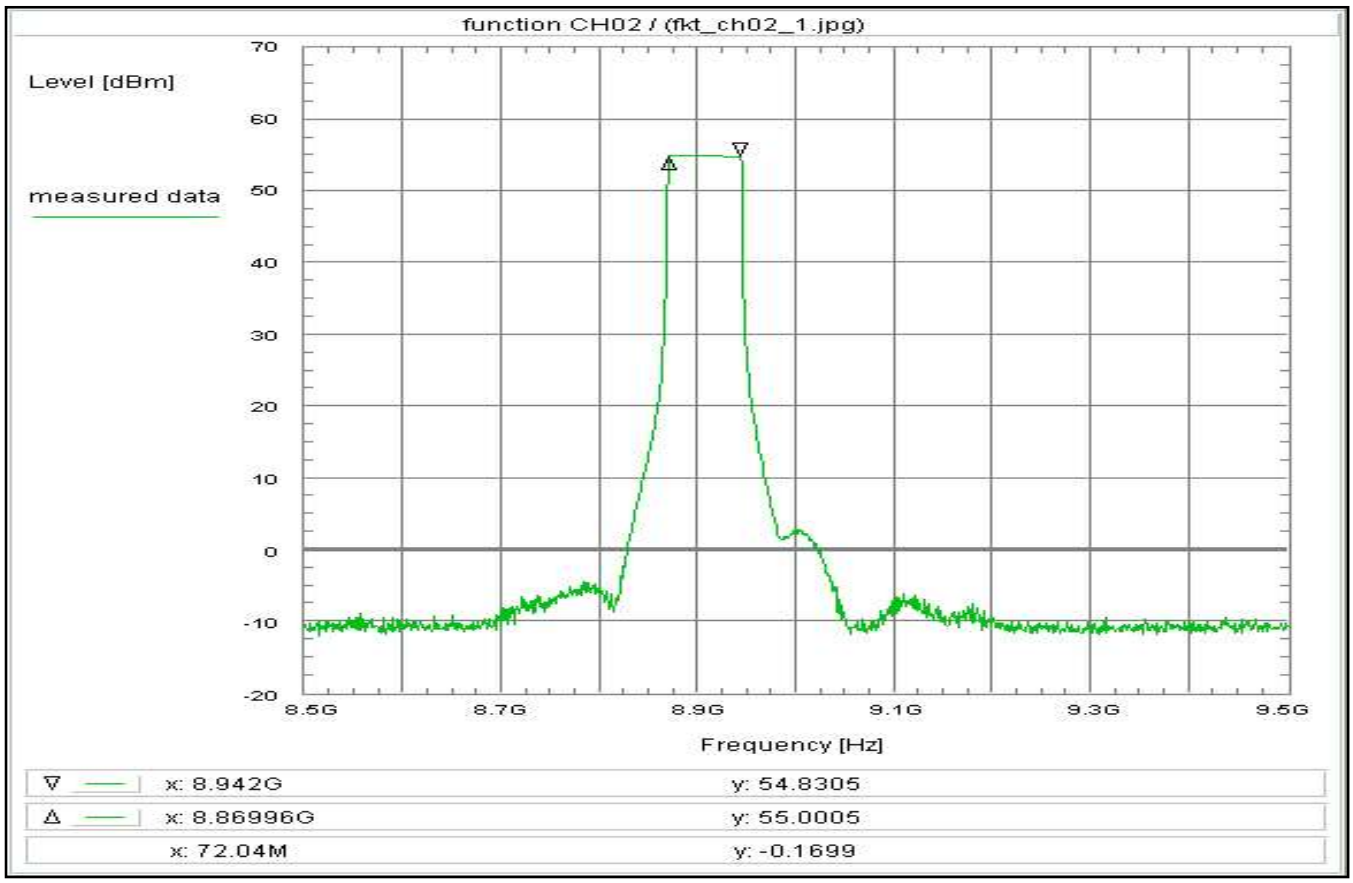
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.2	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.6	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 26.1 dBm
CH01, 85 MHz, Tx-Port: 08

Plot No. 9



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:09:42	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

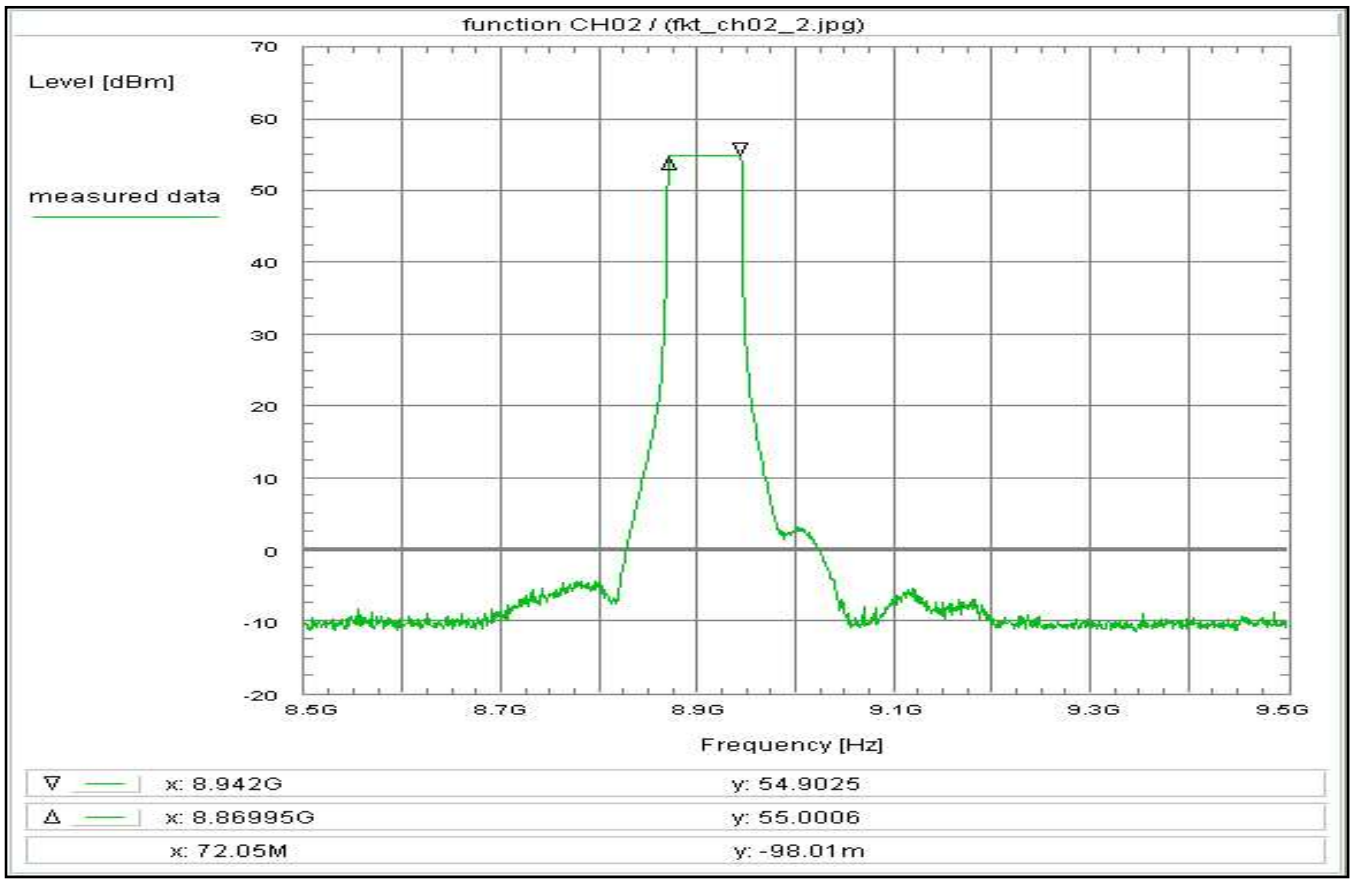
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.3	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.7	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.8 dBm
CH02, 85 MHz, Tx-Port: 01

Plot No. 10



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:27:42	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

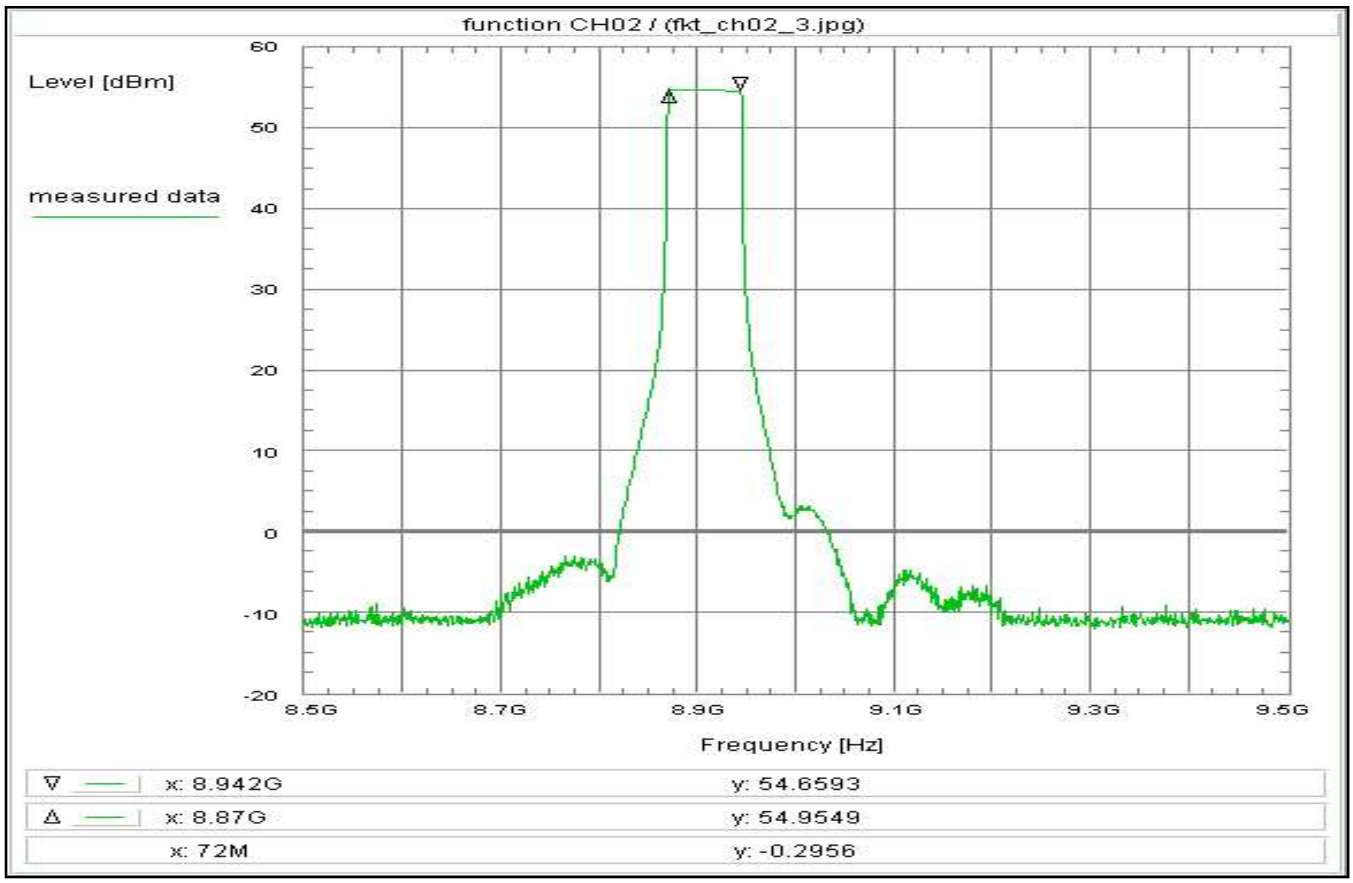
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.3	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.7	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.8 dBm
CH02, 85 MHz, Tx-Port: 02

Plot No. 11



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:46:41	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

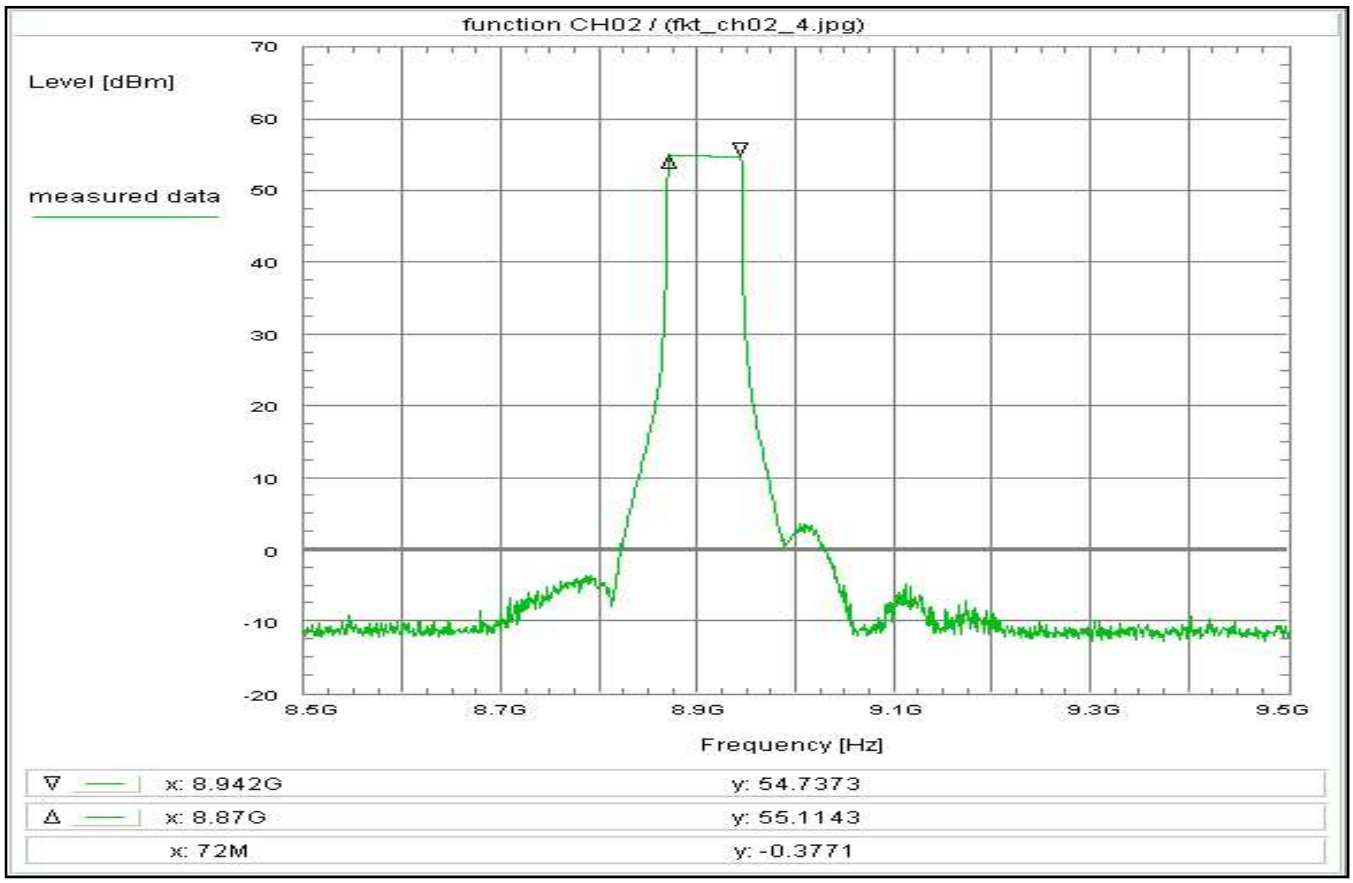
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.3	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.7	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.8 dBm
CH02, 85 MHz, Tx-Port: 03

Plot No. 12



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:09:08	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

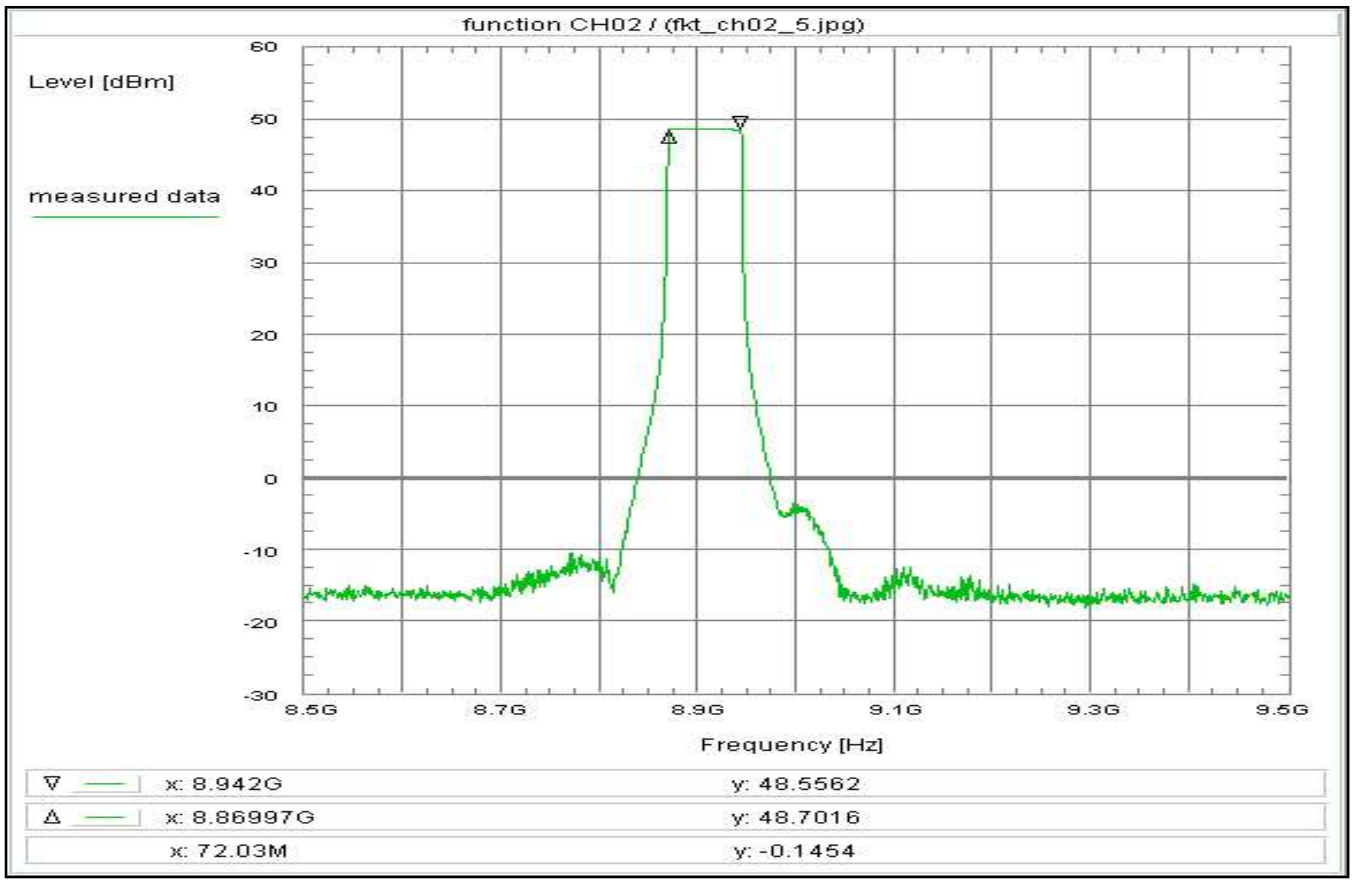
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.3	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.7	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.8 dBm
CH02, 85 MHz, Tx-Port: 04

Plot No. 13



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:16:23	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

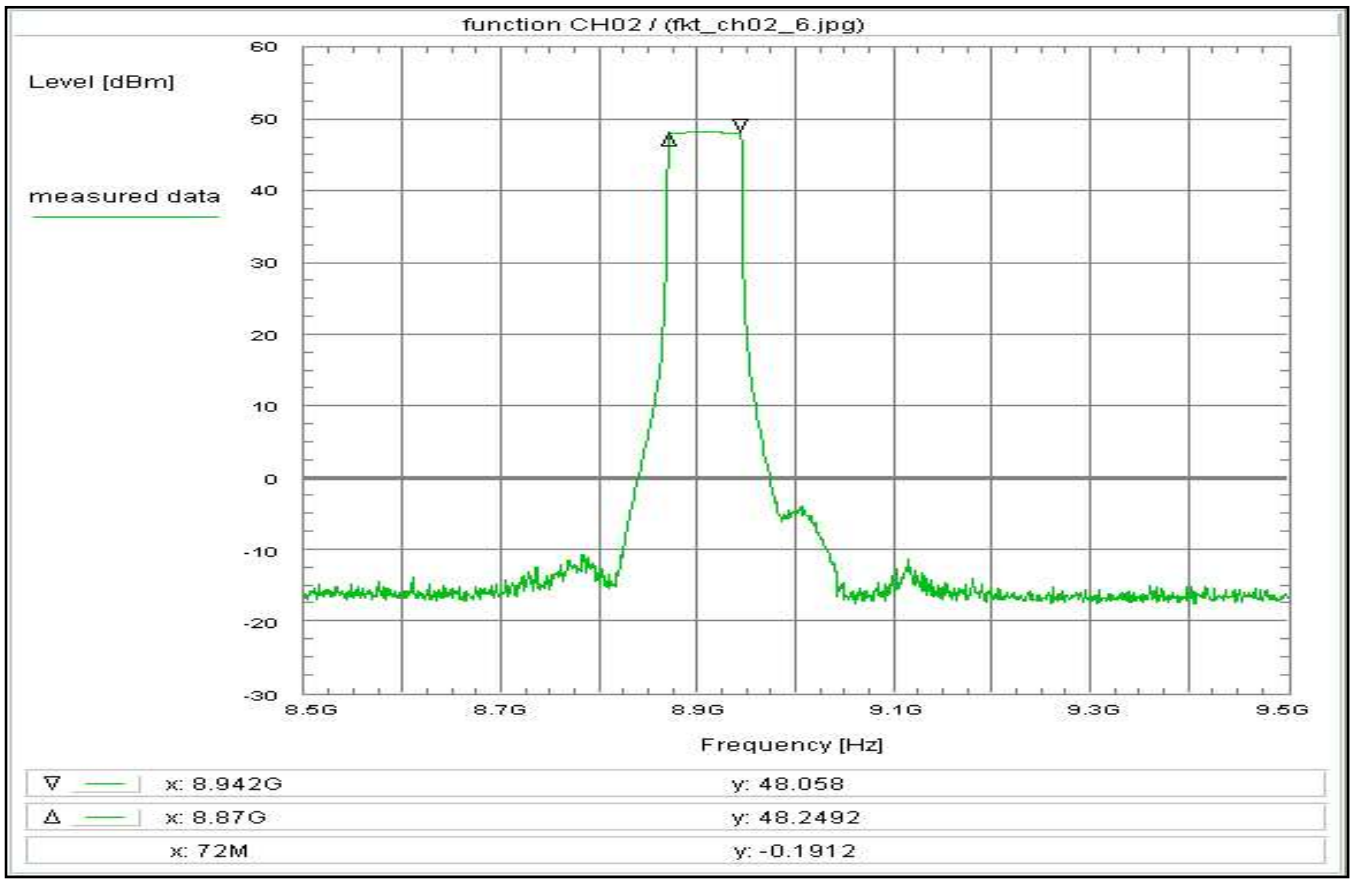
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.3	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.7	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 26.5 dBm
CH02, 85 MHz, Tx-Port: 05

Plot No. 14



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:28:07	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

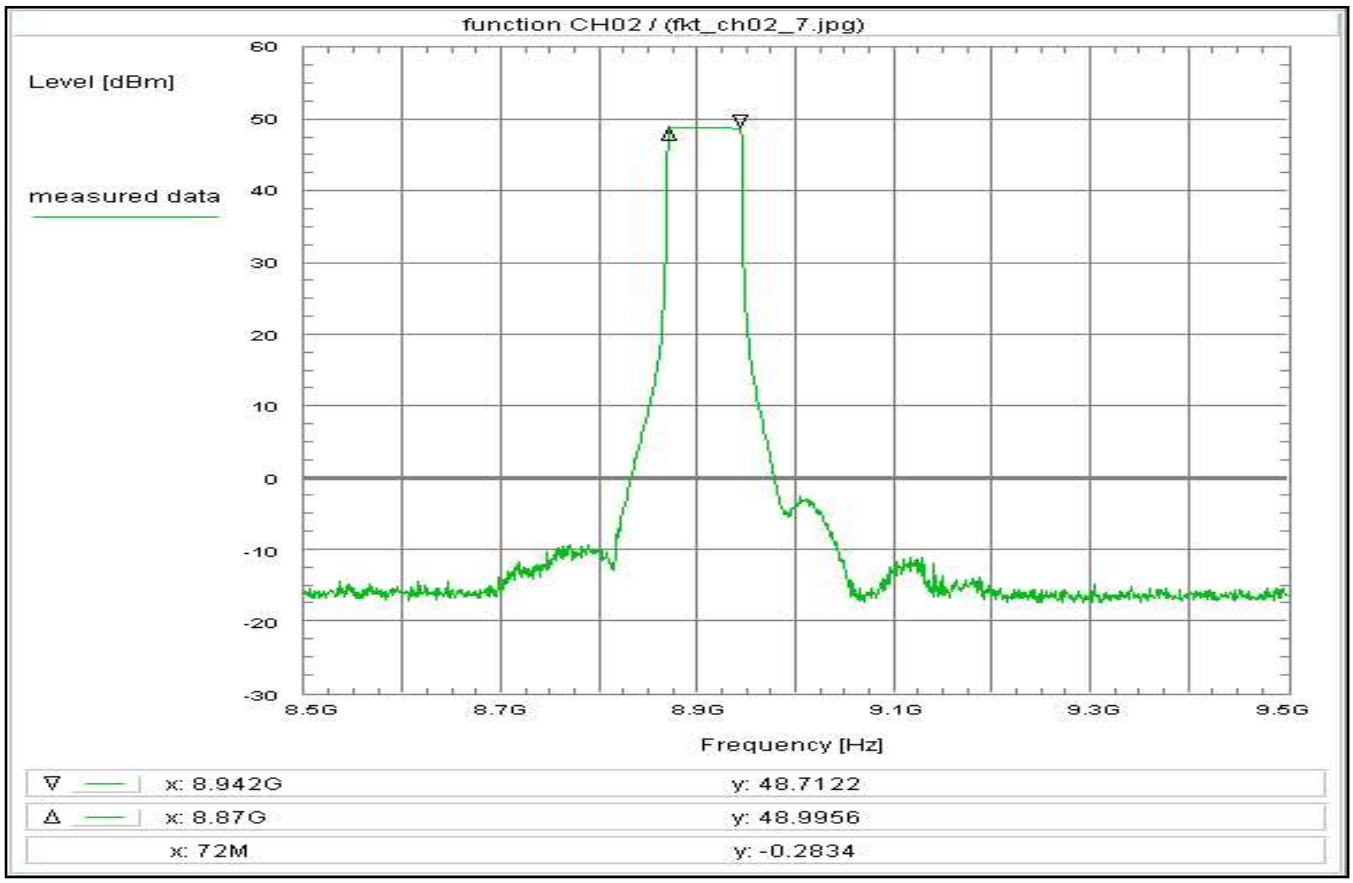
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.3	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.7	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 26.1 dBm
CH02, 85 MHz, Tx-Port: 06

Plot No. 15



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:34:54	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

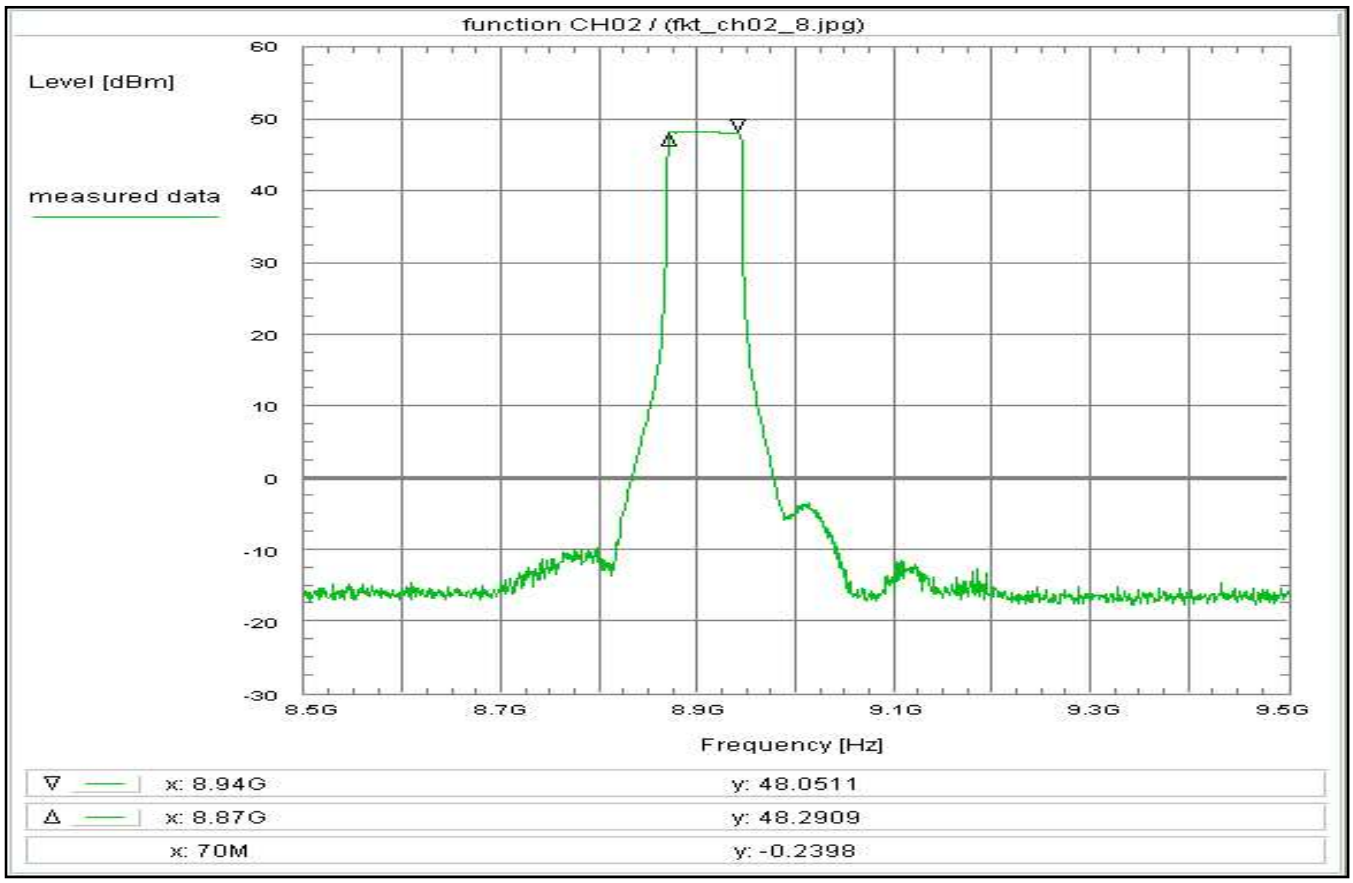
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.3	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.7	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 26.9 dBm
CH02, 85 MHz, Tx-Port: 07

Plot No. 16



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined
This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:45:33	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

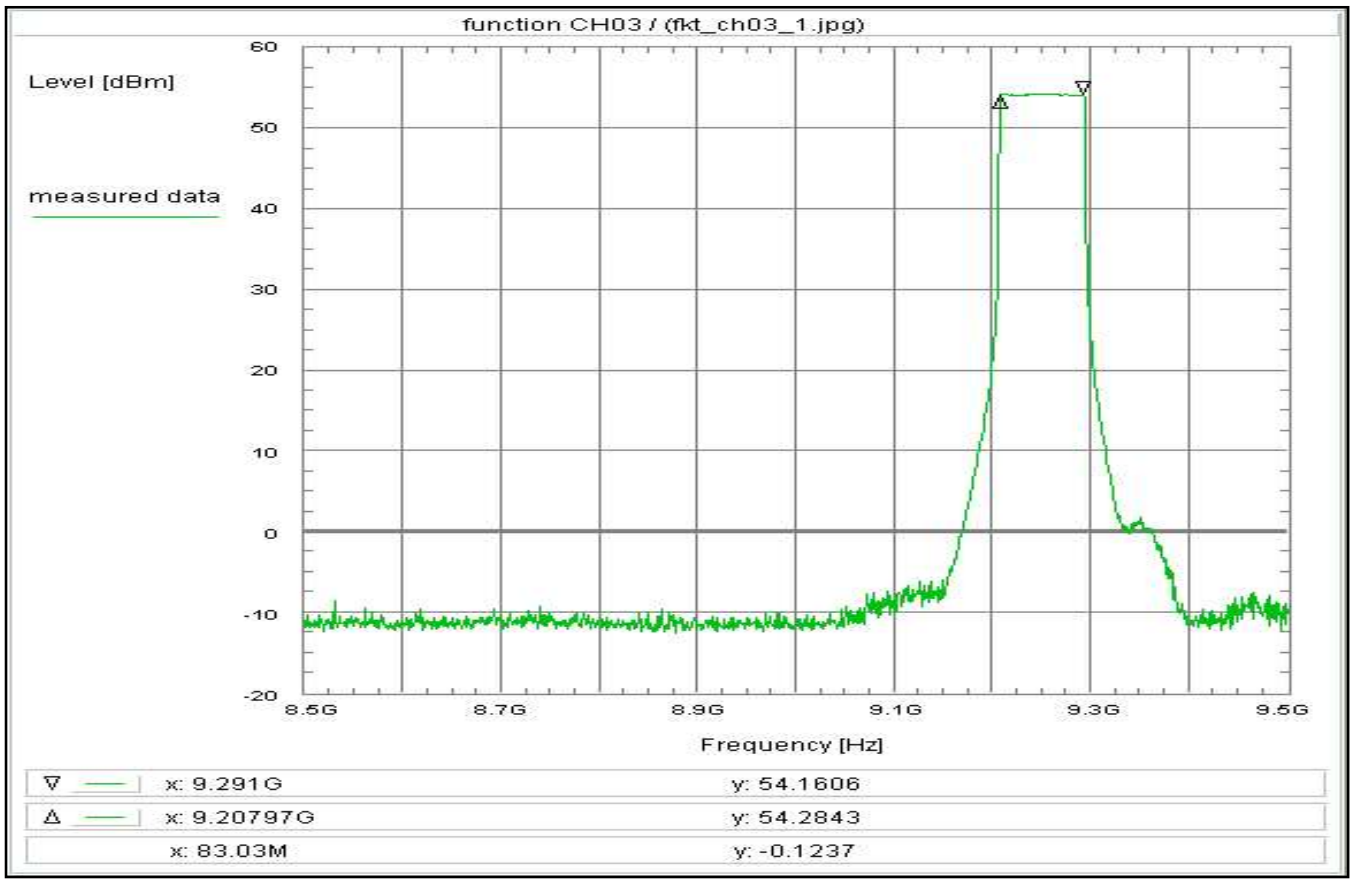
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.3	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.7	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 26.1 dBm
CH02, 85 MHz, Tx-Port: 08

Plot No. 17



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:12:01	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

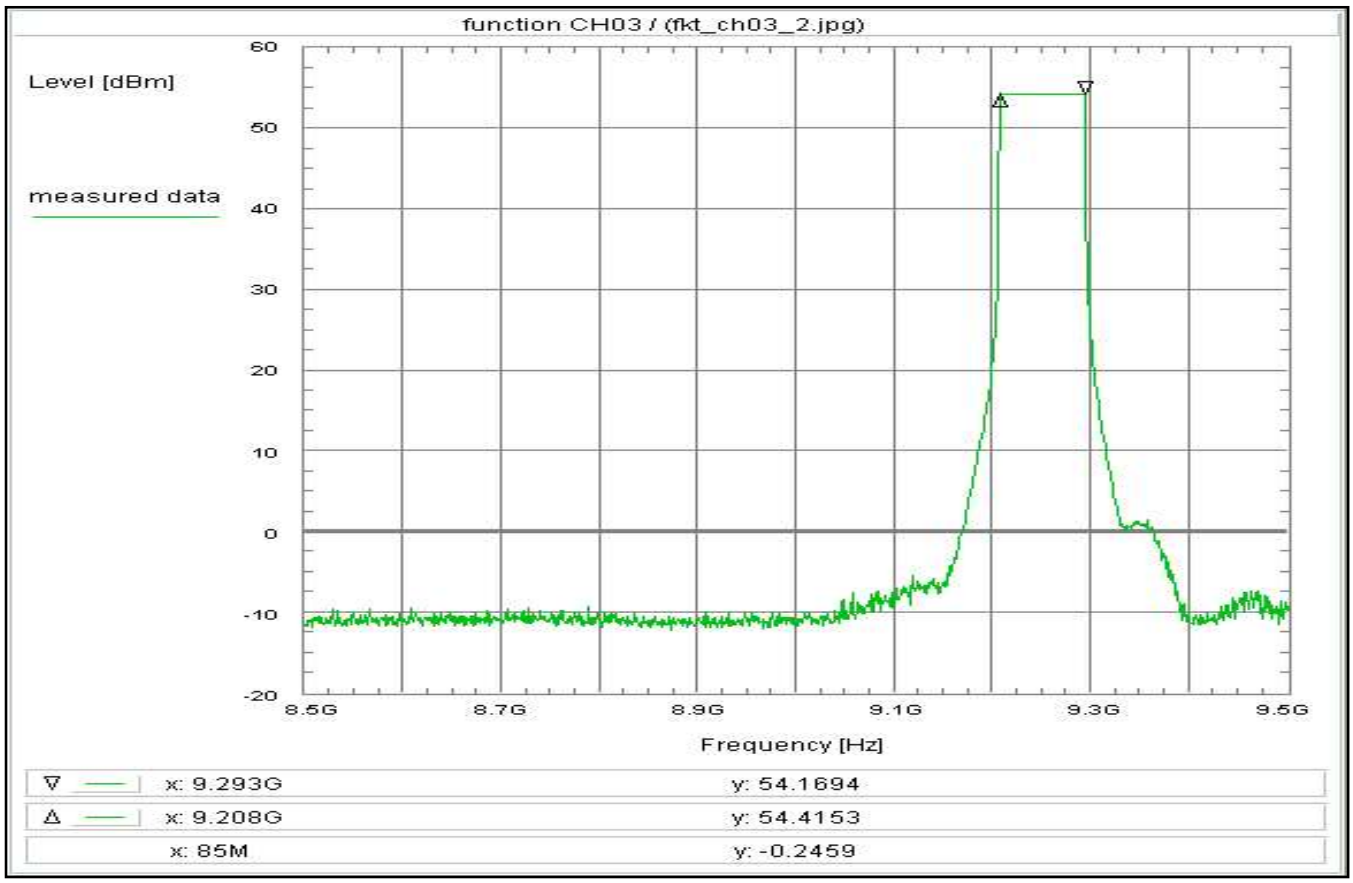
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.4	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.8	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 31.9 dBm
CH03, 85 MHz, Tx-Port: 01

Plot No. 18



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:25:40	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

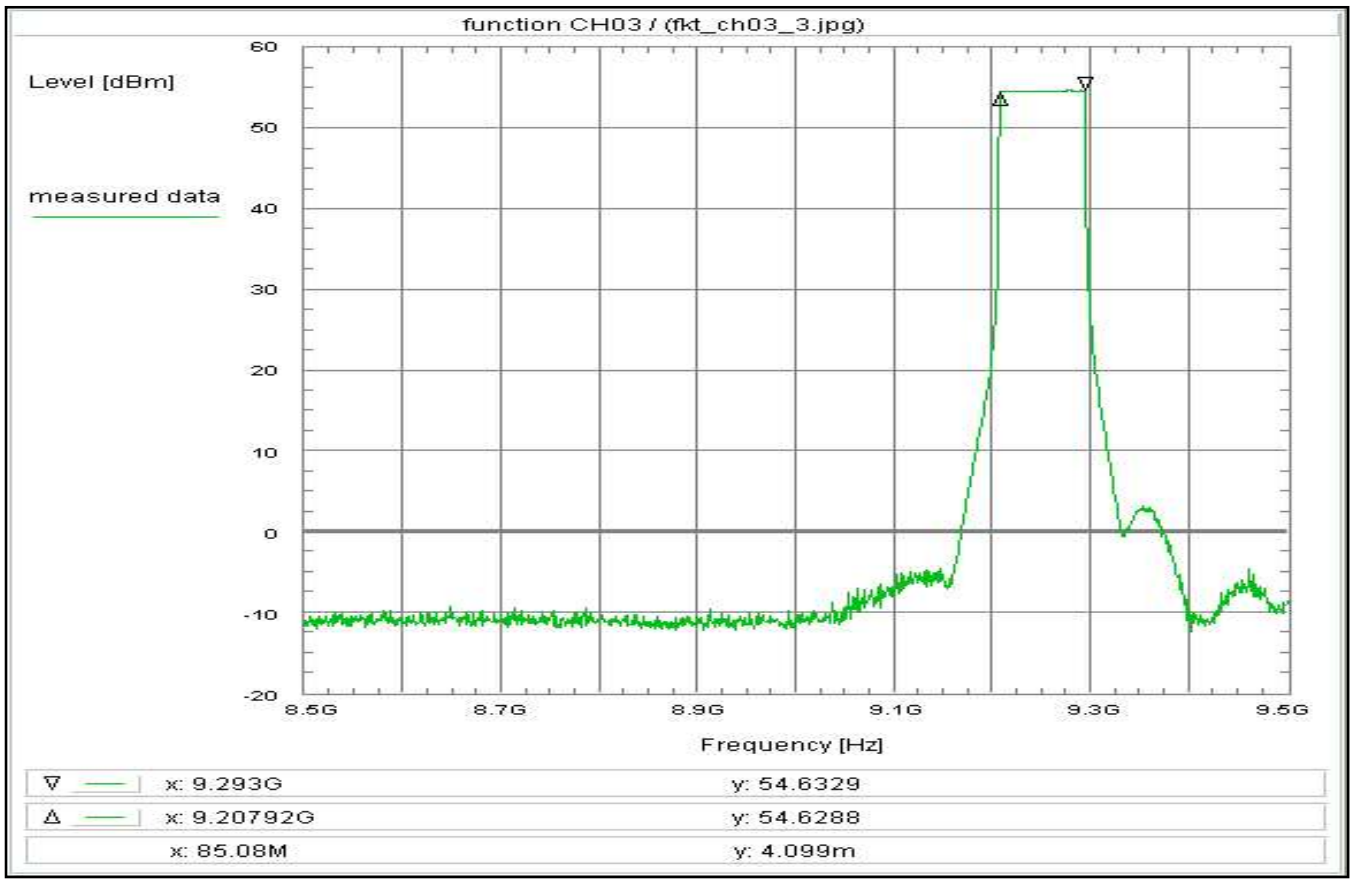
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.4	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.8	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.0 dBm
CH03, 85 MHz, Tx-Port: 02

Plot No. 19



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:48:18	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

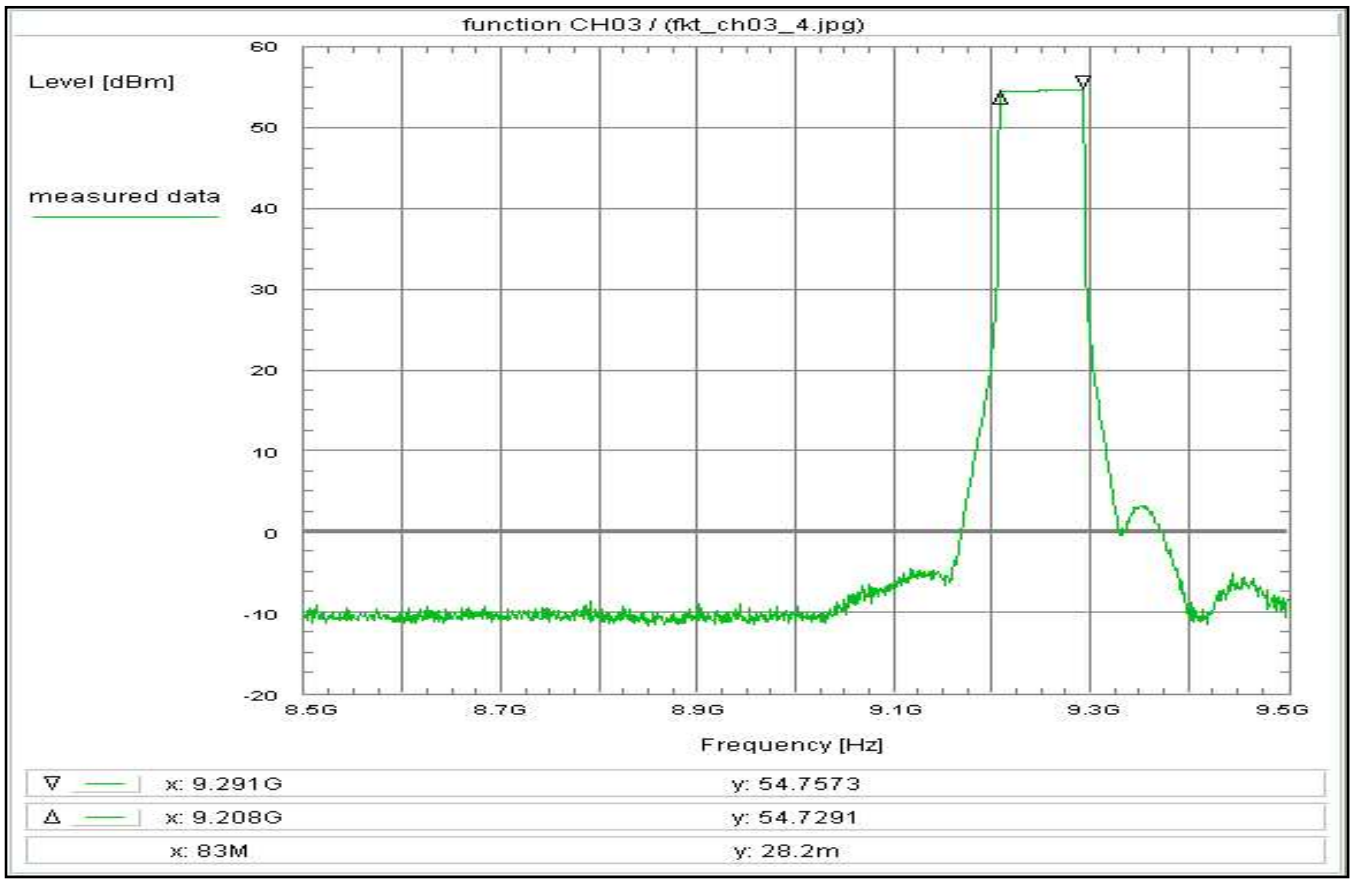
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.4	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.8	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.3 dBm
CH03, 85 MHz, Tx-Port: 03

Plot No. 20



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined
This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:07:12	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

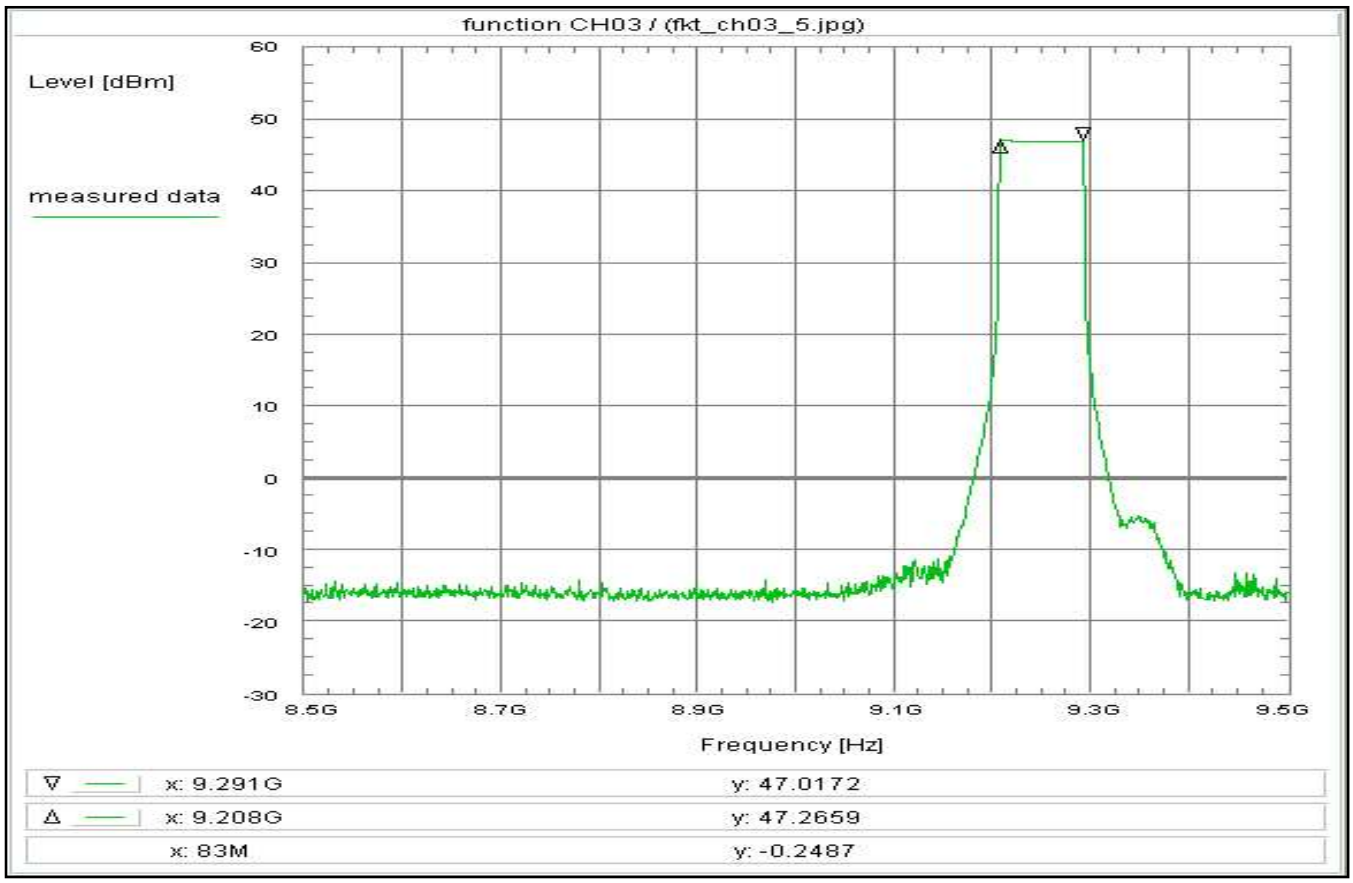
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.4	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.8	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.4 dBm
CH03, 85 MHz, Tx-Port: 04

Plot No. 21



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:18:38	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

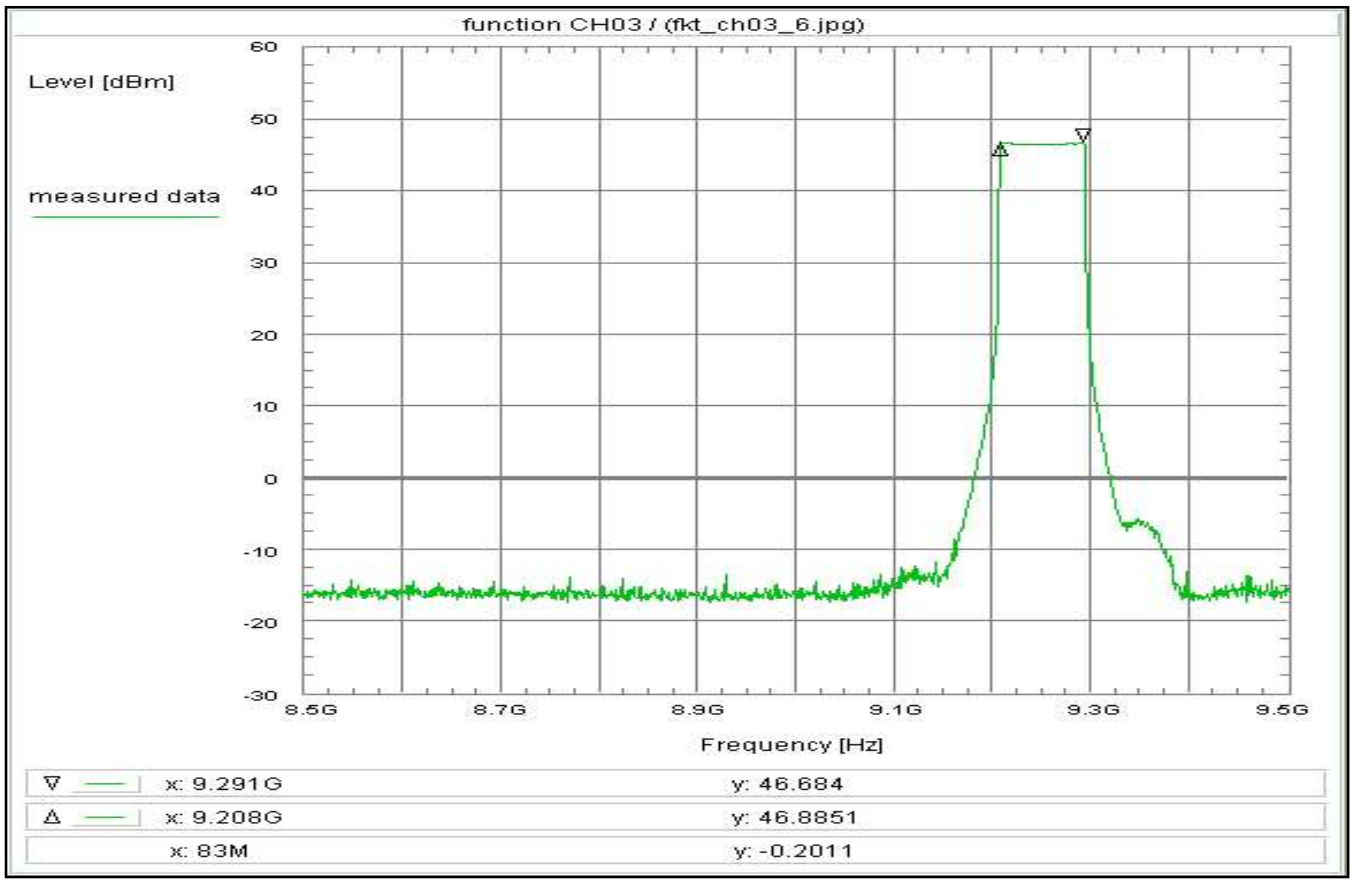
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.4	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.8	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 24.7 dBm
CH03, 85 MHz, Tx-Port: 05

Plot No. 22



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:26:38	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

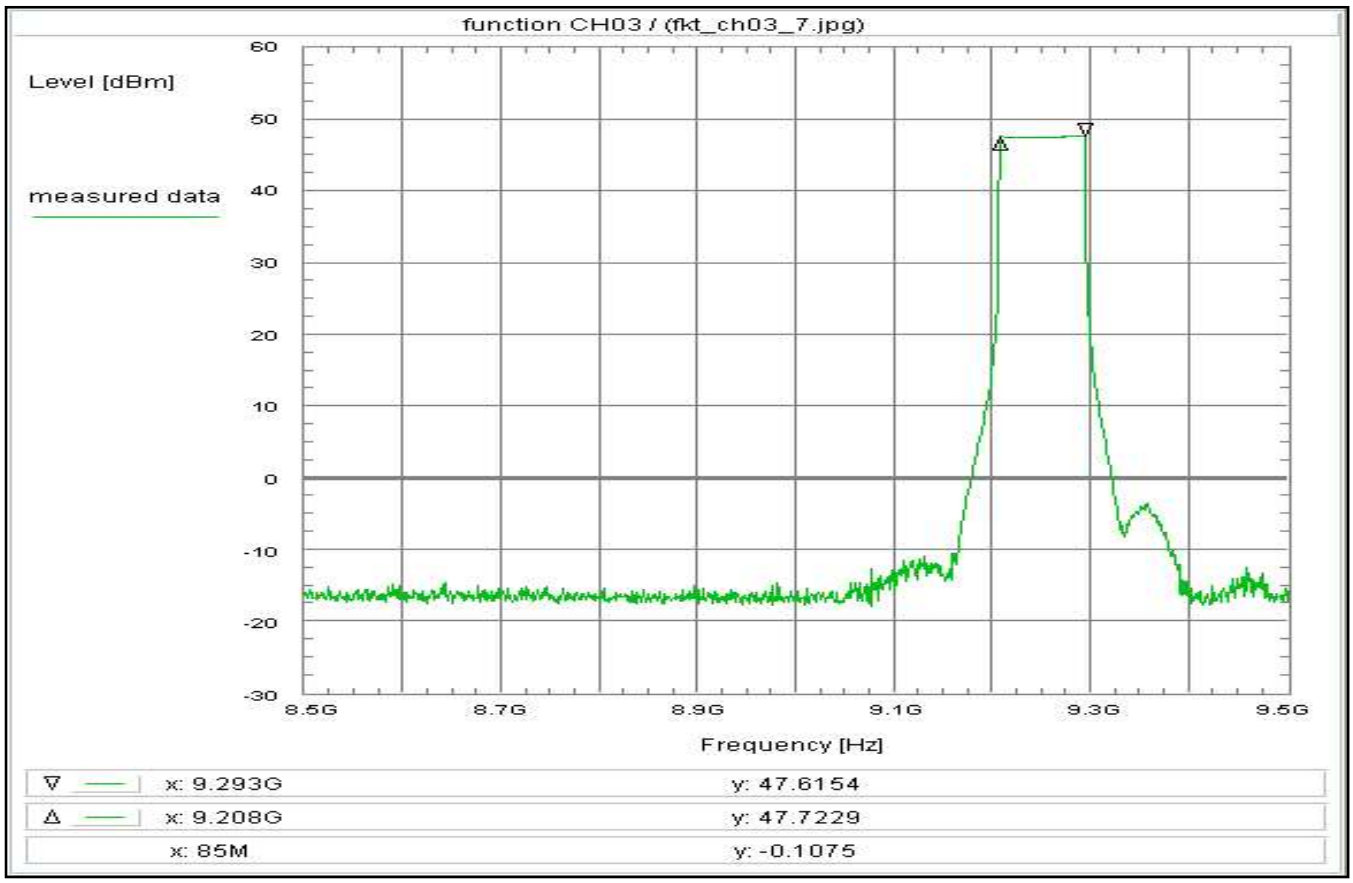
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.4	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.8	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 24.3 dBm
CH03, 85 MHz, Tx-Port: 06

Plot No. 23



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:36:37	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

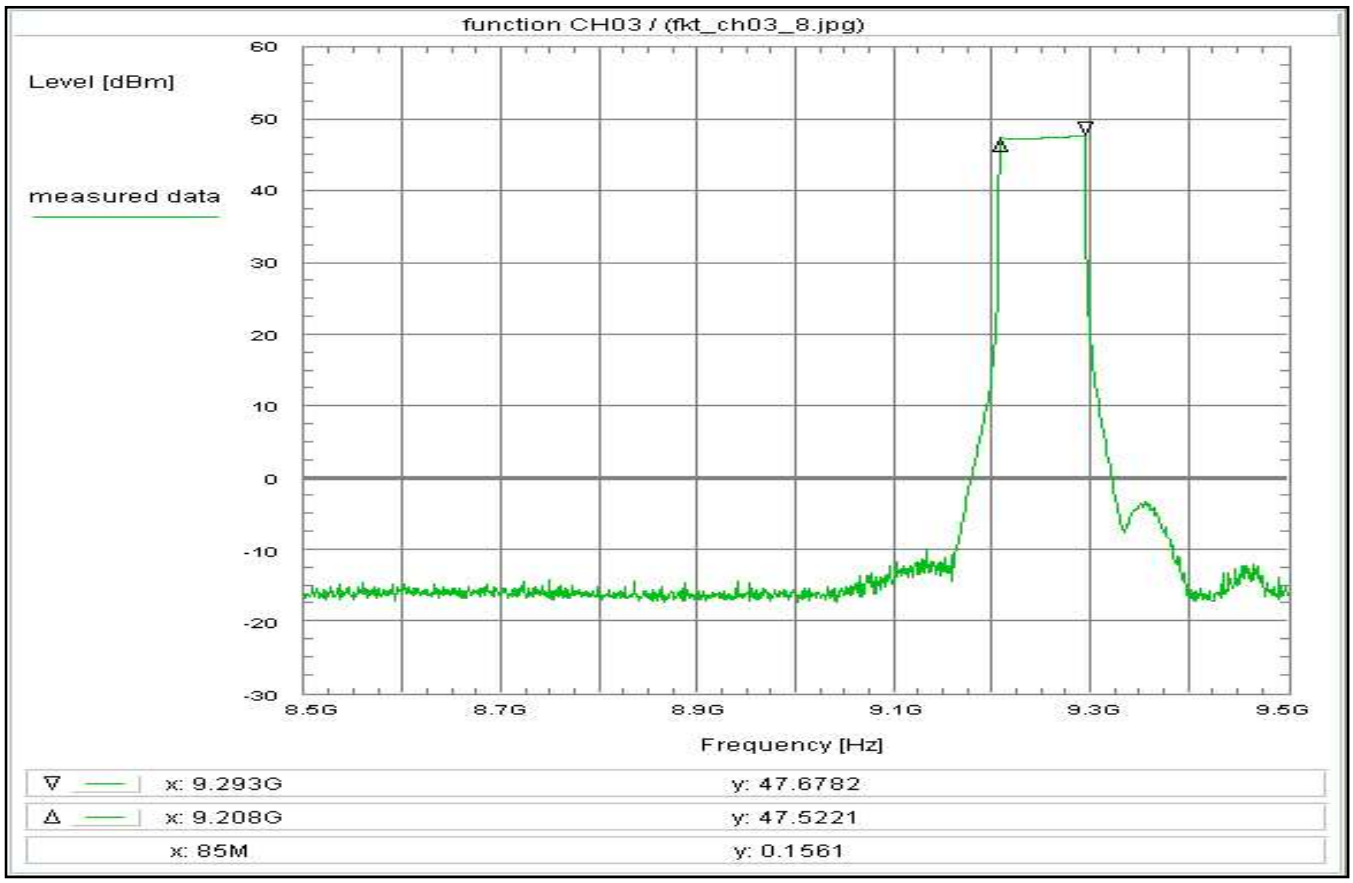
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.4	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.8	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 25.4 dBm
CH03, 85 MHz, Tx-Port: 07

Plot No. 24



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined
This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:44:04	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

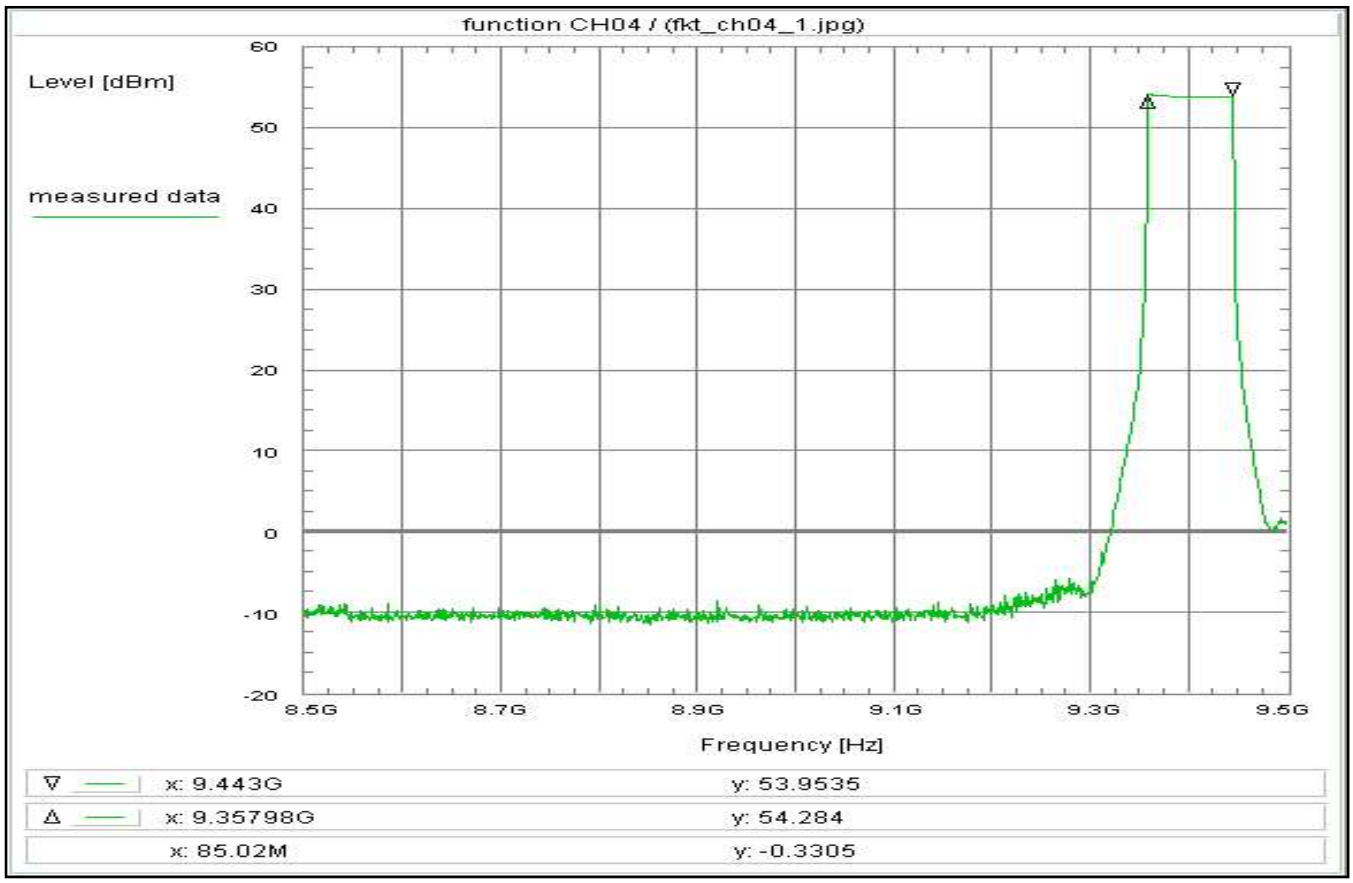
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.4	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.8	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 25.0 dBm
CH03, 85 MHz, Tx-Port: 08

Plot No. 25



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined
This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:17:45	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

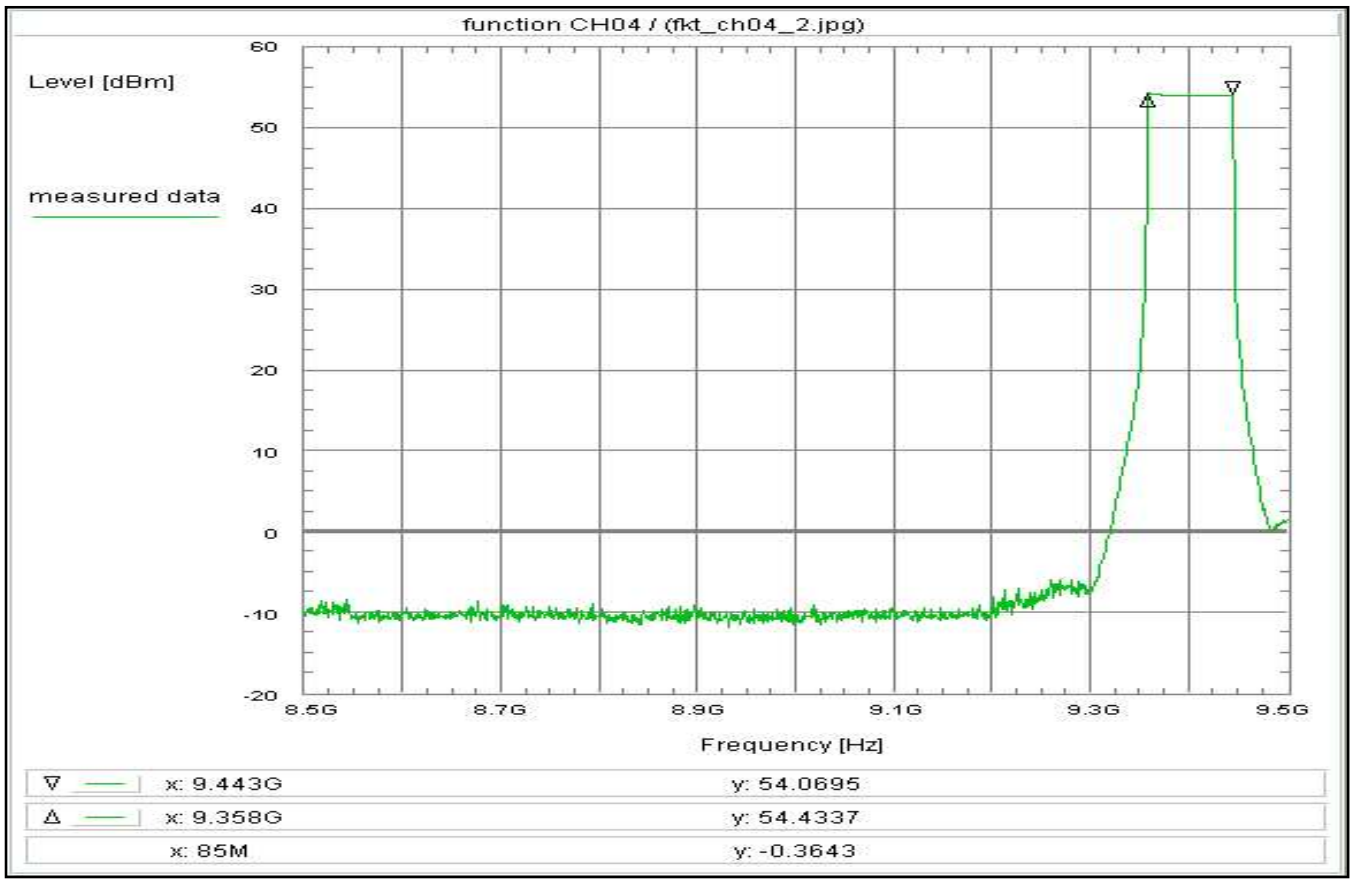
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 31.4 dBm
CH04, 85 MHz, Tx-Port: 01

Plot No. 26



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined
This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:22:19	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

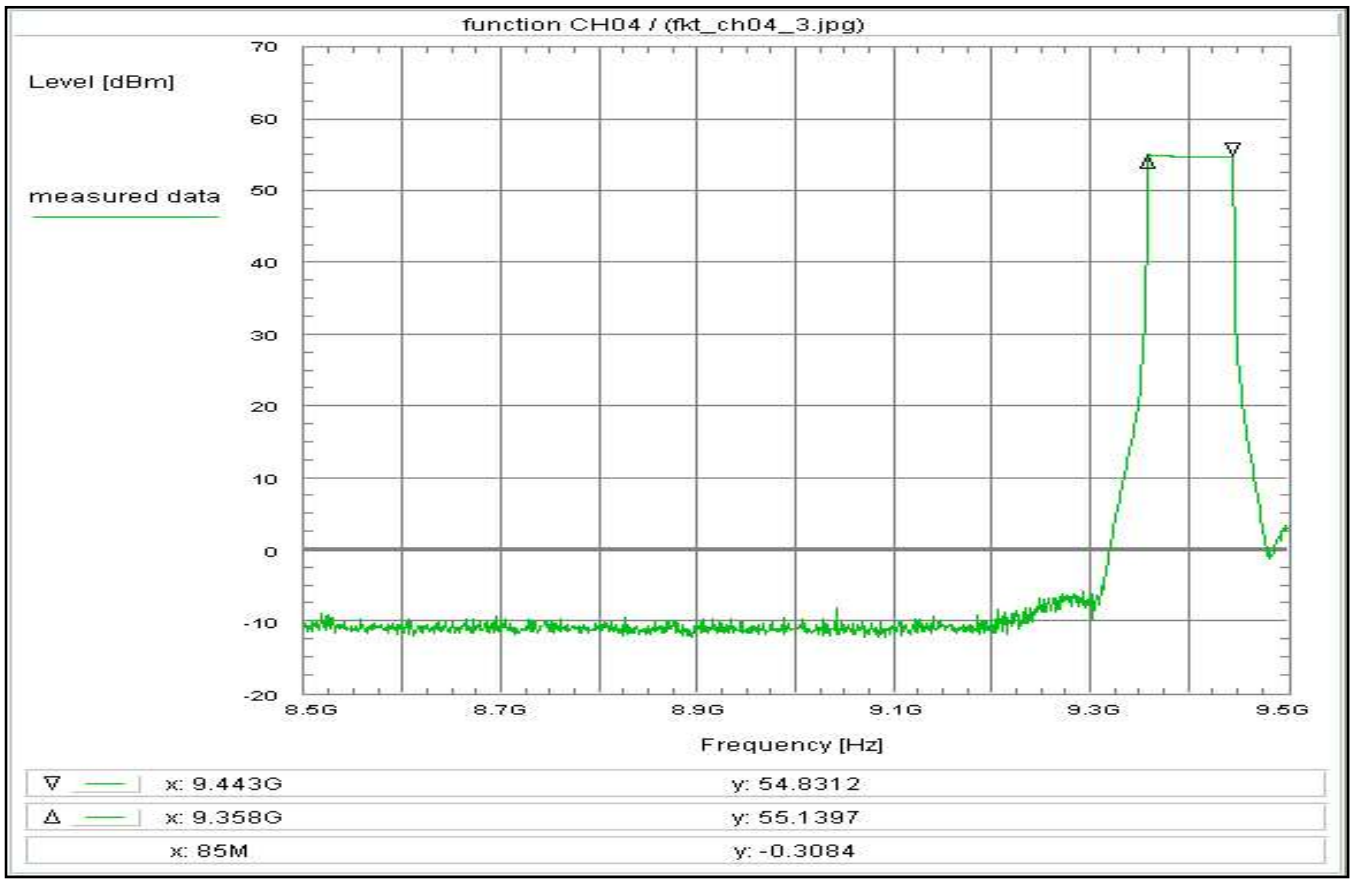
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 31.6 dBm
CH04, 85 MHz, Tx-Port: 02

Plot No. 27



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined
This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 13:57:17	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

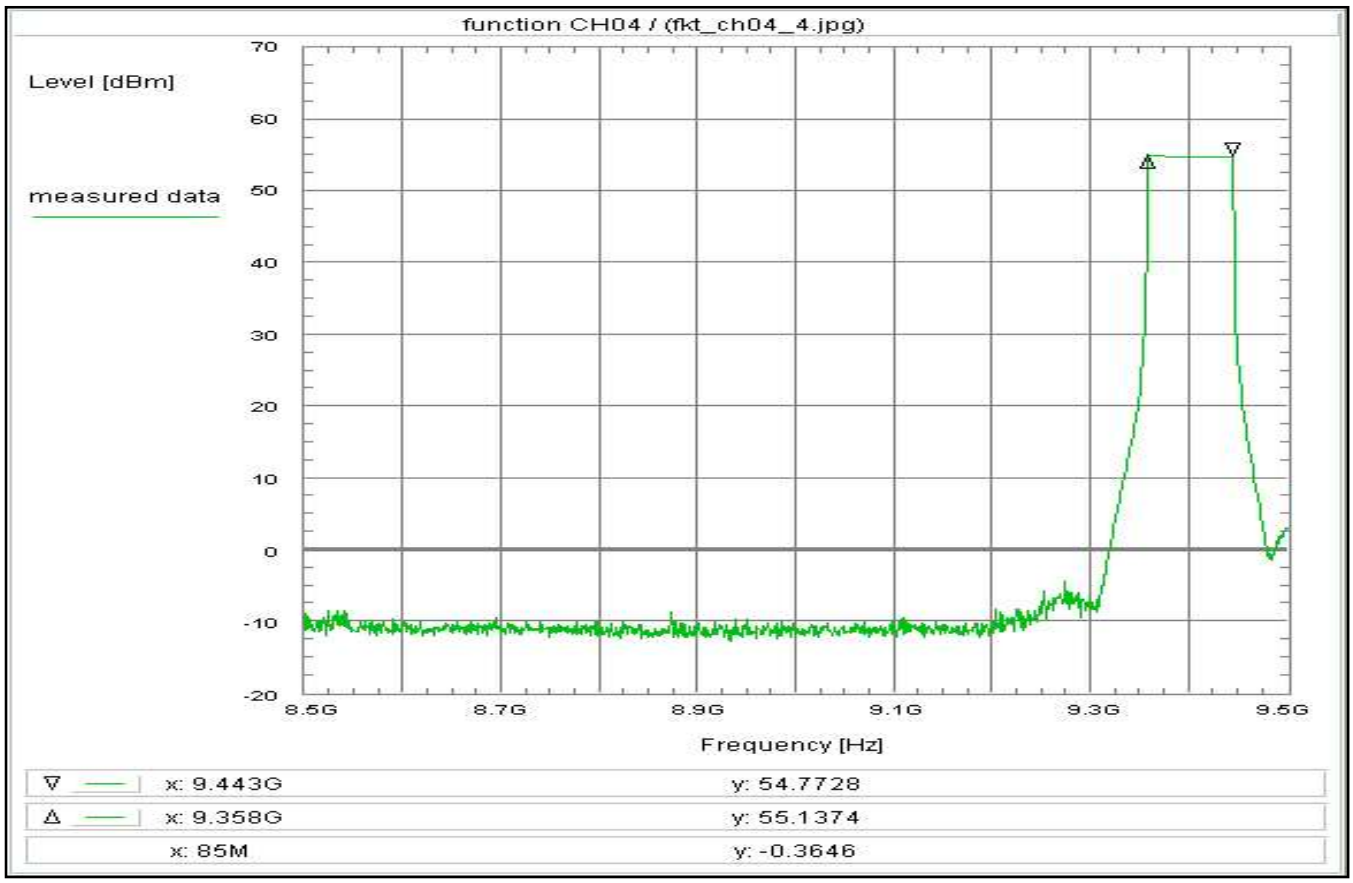
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.4 dBm
CH04, 85 MHz, Tx-Port: 03

Plot No. 28



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined
This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:03:54	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

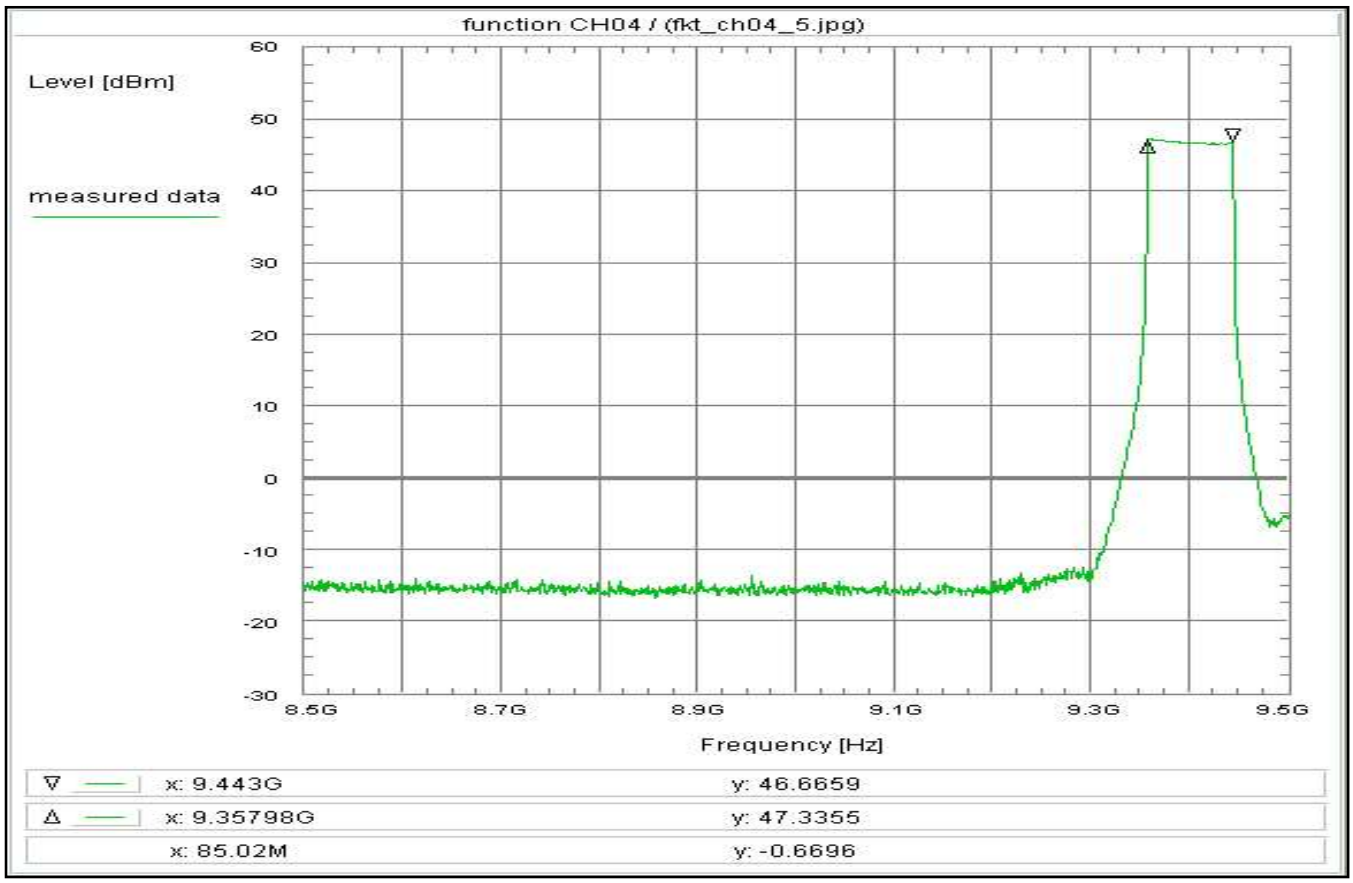
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.3 dBm
CH04, 85 MHz, Tx-Port: 04

Plot No. 29



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined
This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:20:14	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

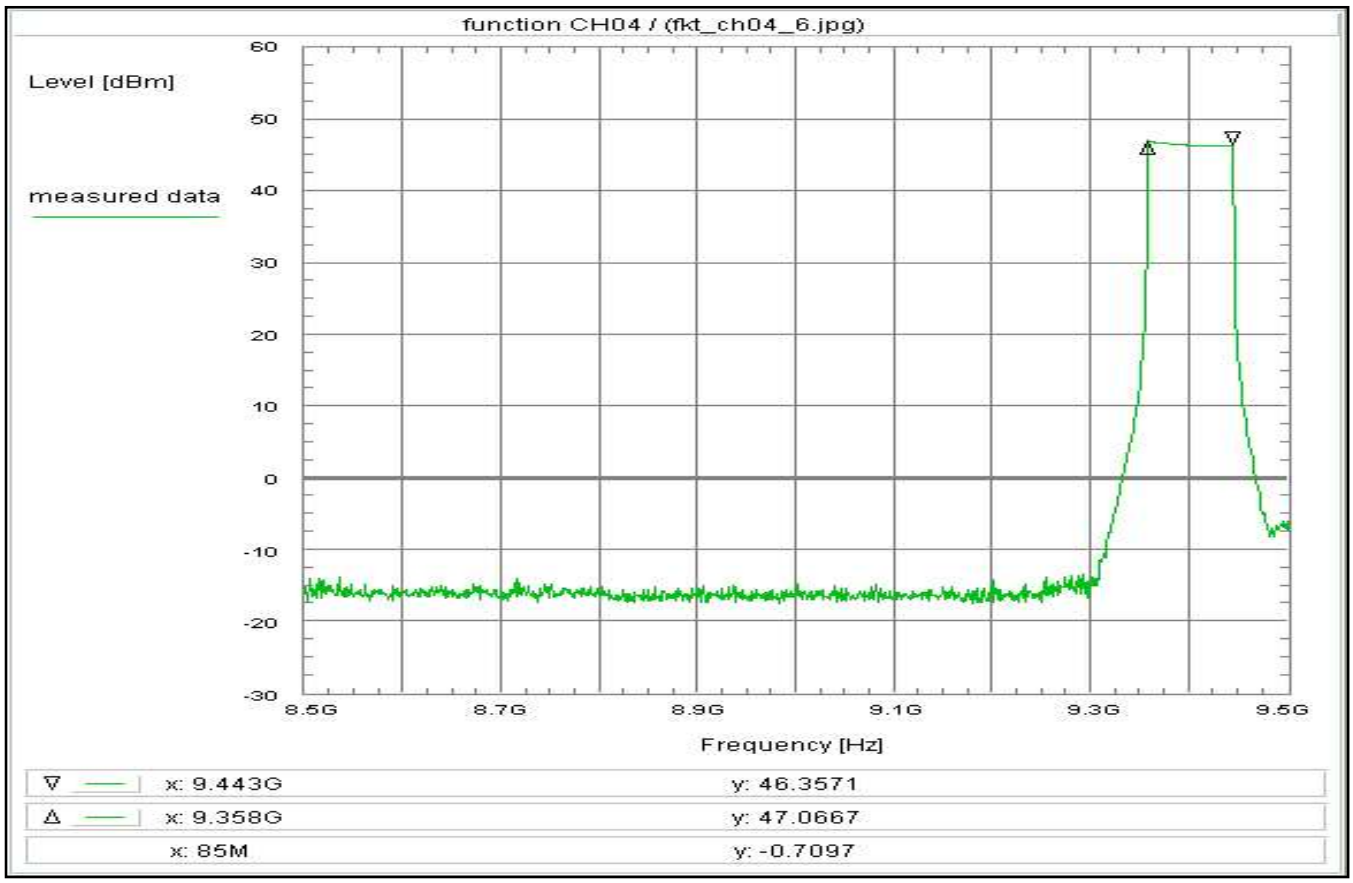
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 24.3 dBm
CH04, 85 MHz, Tx-Port: 05

Plot No. 30



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined
This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:24:52	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

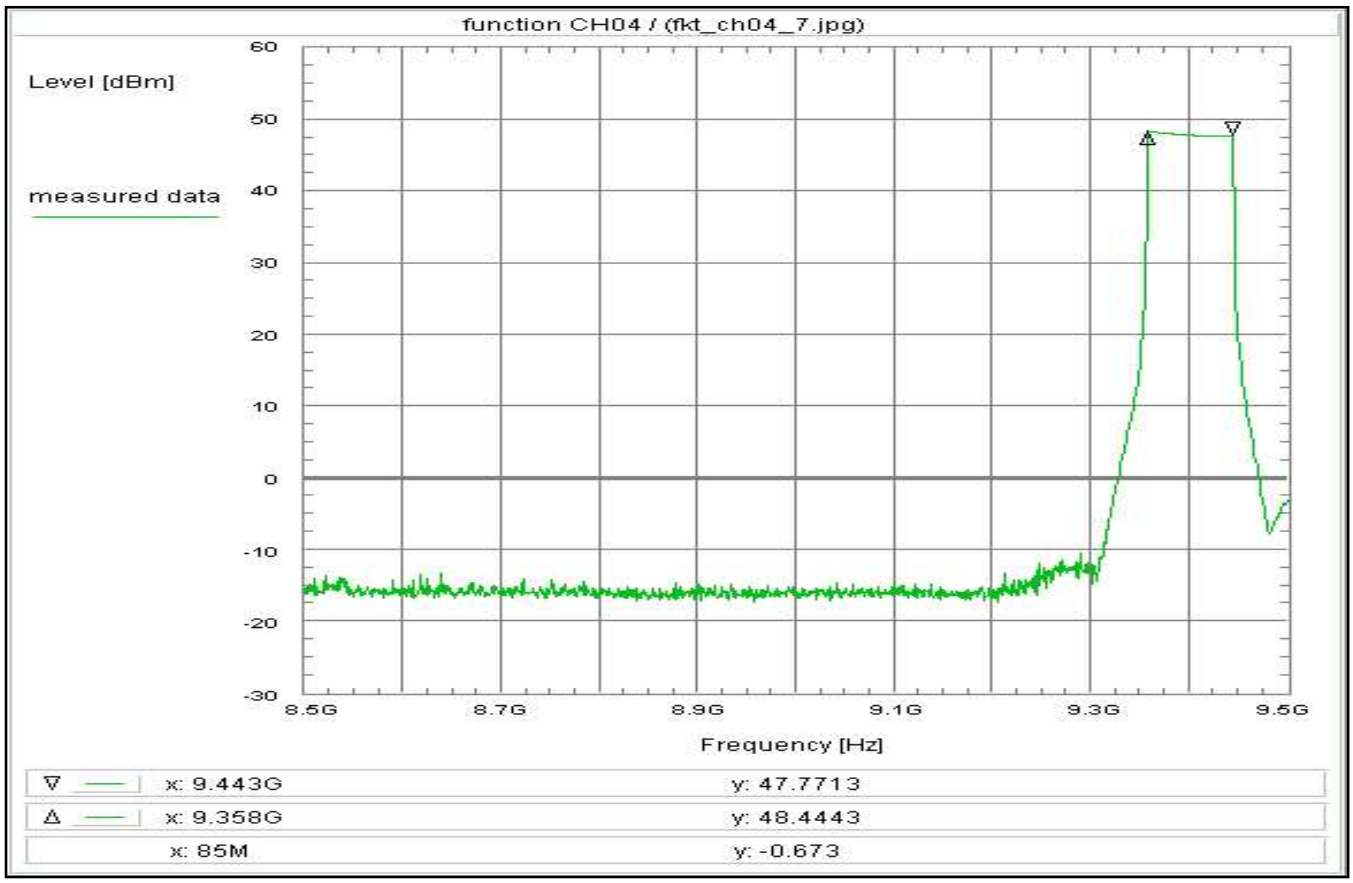
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 24.0 dBm
CH04, 85 MHz, Tx-Port: 06

Plot No. 31



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined
This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:38:37	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

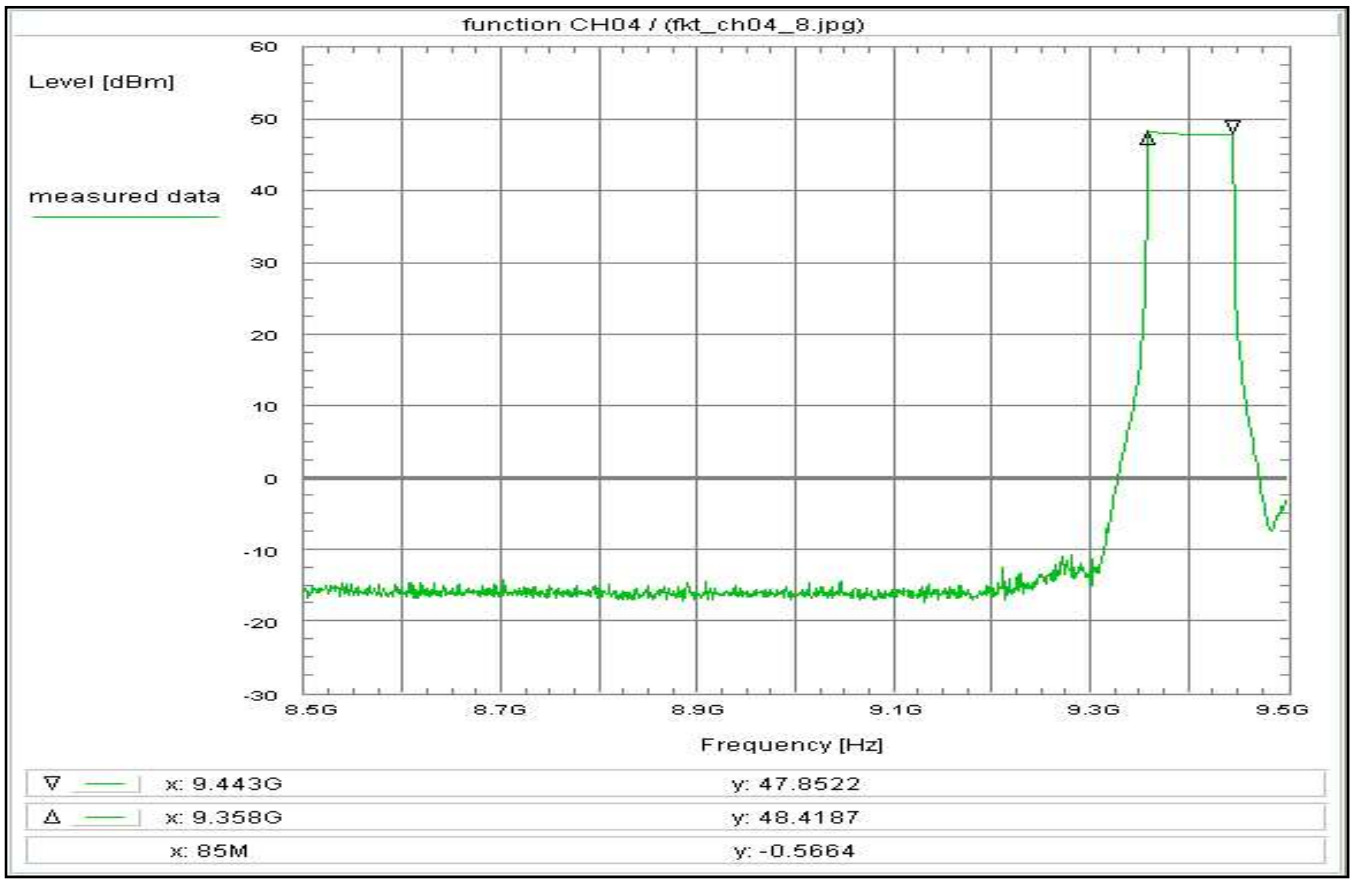
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 25.4 dBm
CH04, 85 MHz, Tx-Port: 07

Plot No. 32



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined
This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 14:42:45	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

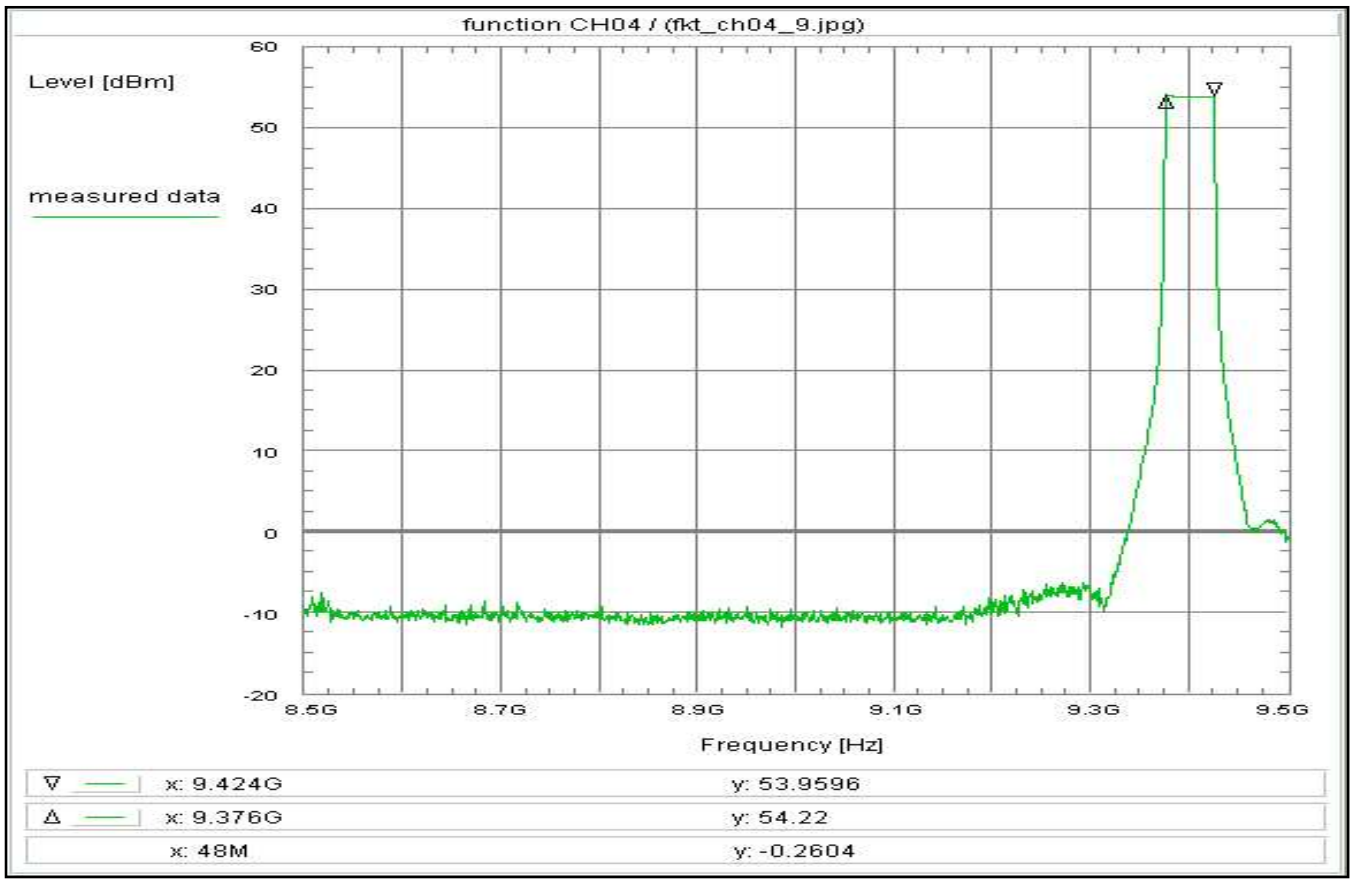
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 25.4 dBm
CH04, 85 MHz, Tx-Port: 08

Plot No. 33



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 15:20:09	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

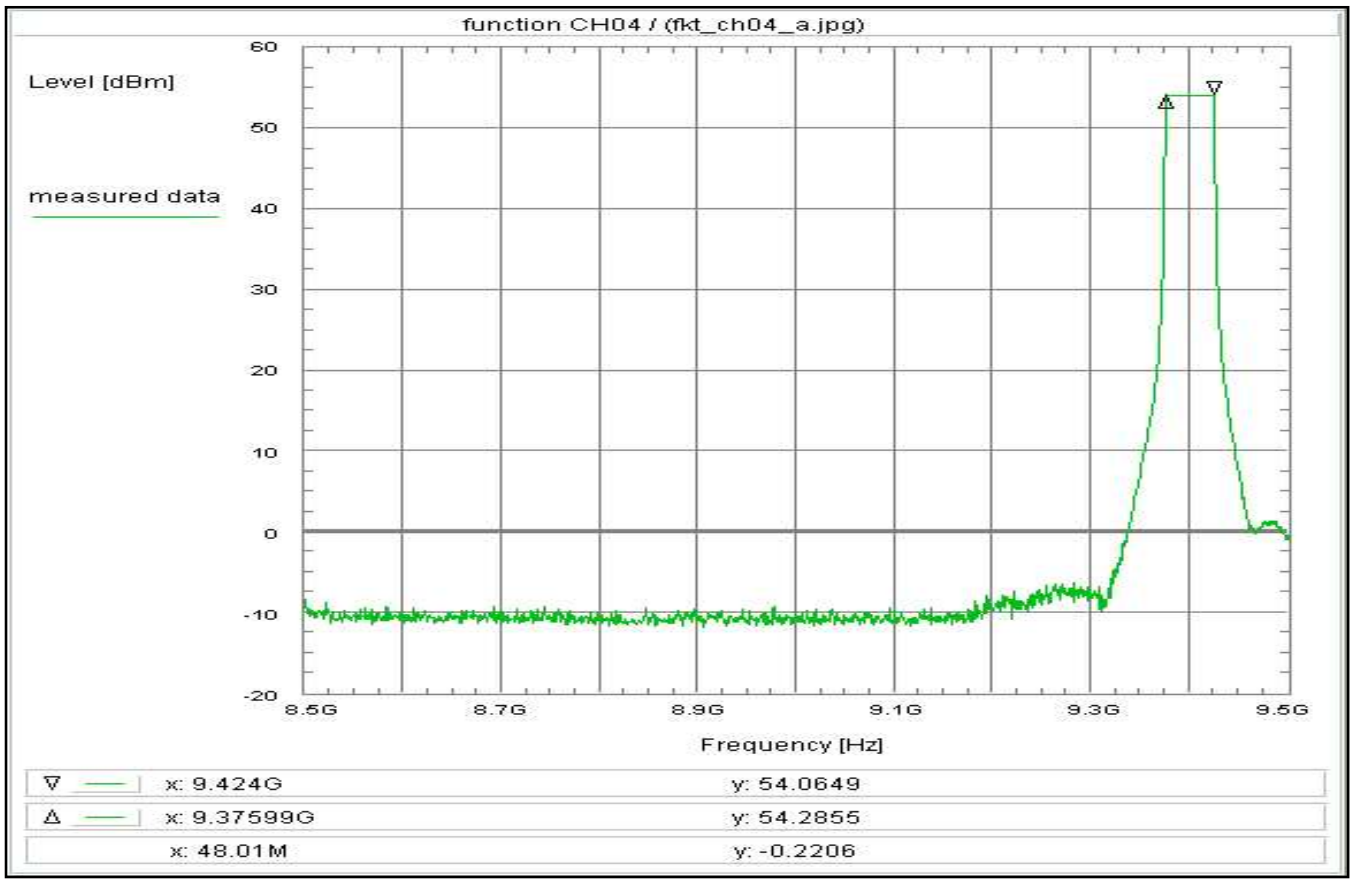
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	15	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 31.4 dBm
CH04, 50 MHz, Tx-Port: 01

Plot No. 34



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 15:23:13	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

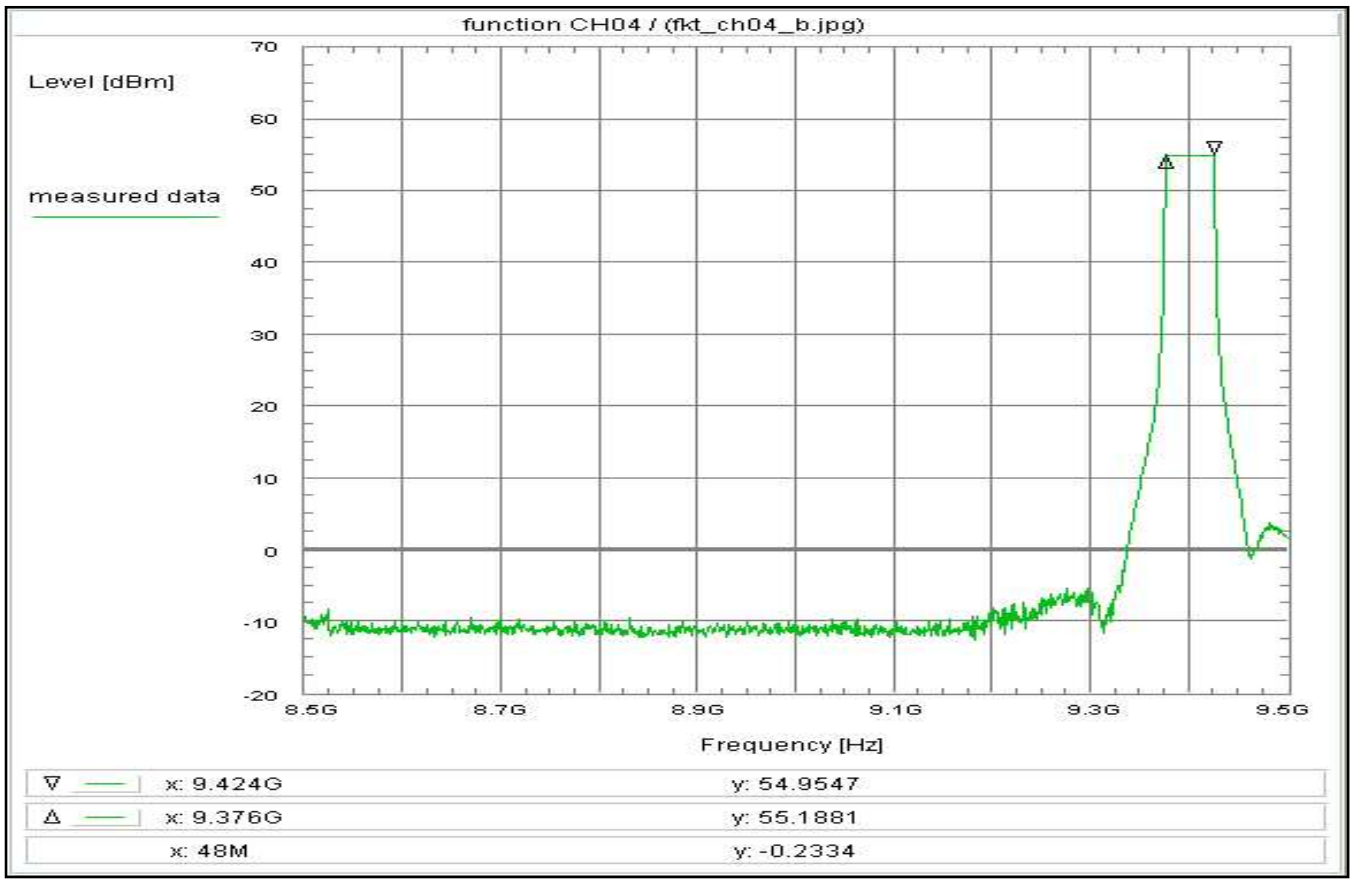
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	15	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 31.5 dBm
CH04, 50 MHz, Tx-Port: 02

Plot No. 35



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 15:48:33	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

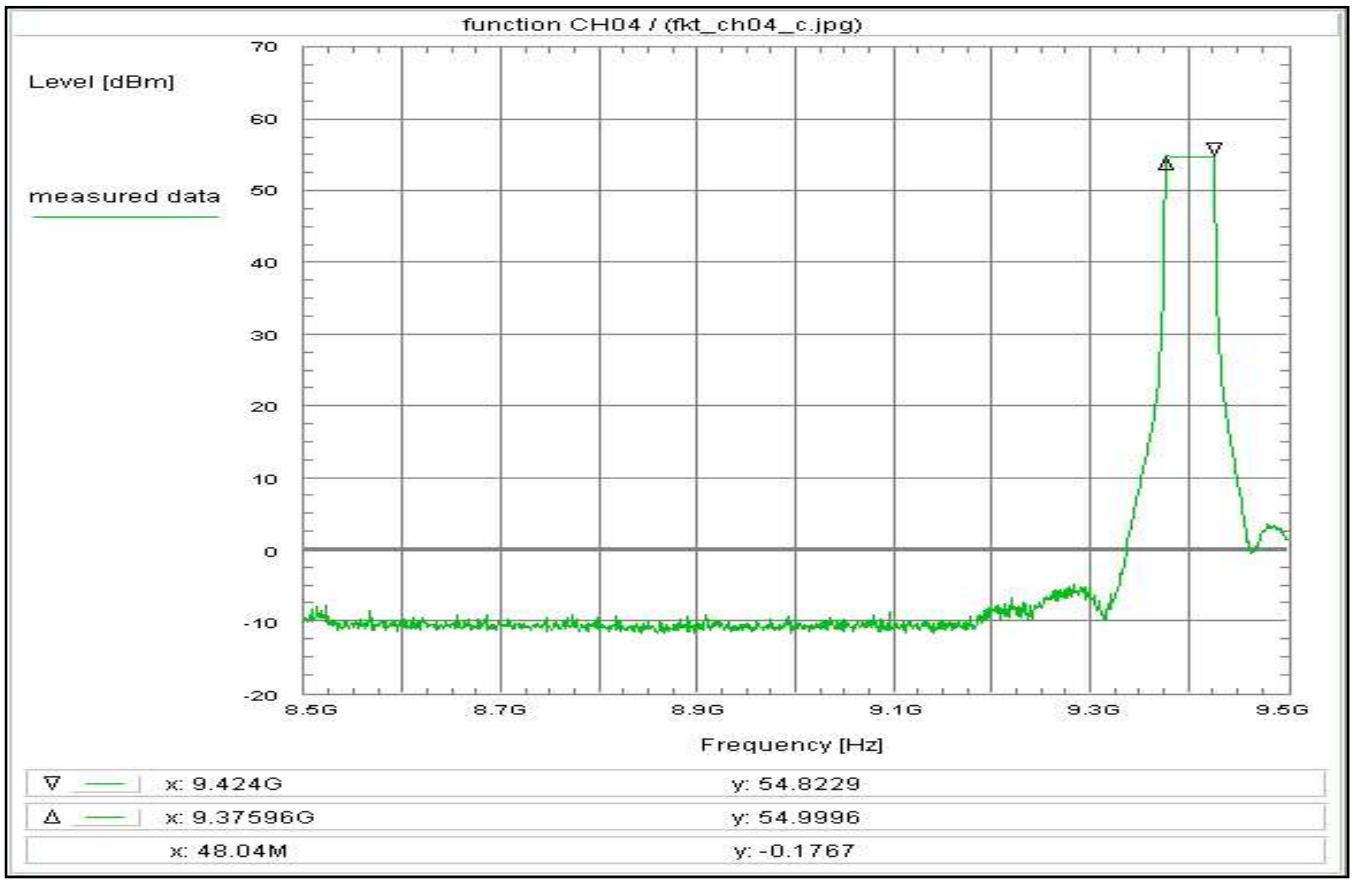
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	15	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.4 dBm
CH04, 50 MHz, Tx-Port: 03

Plot No. 36



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 15:51:30	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

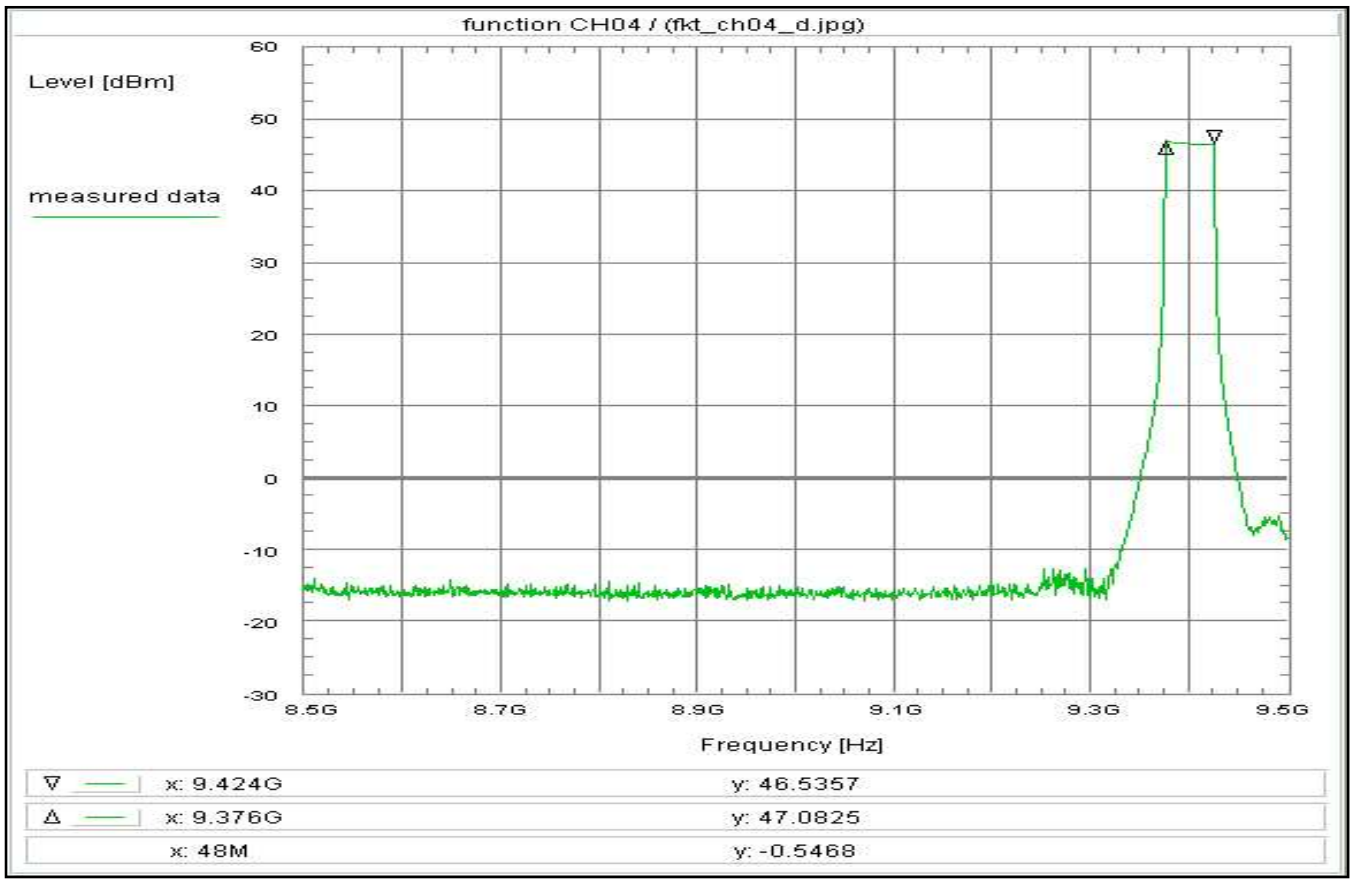
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	15	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 32.3 dBm
CH04, 50 MHz, Tx-Port: 04

Plot No. 37



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 16:10:06	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

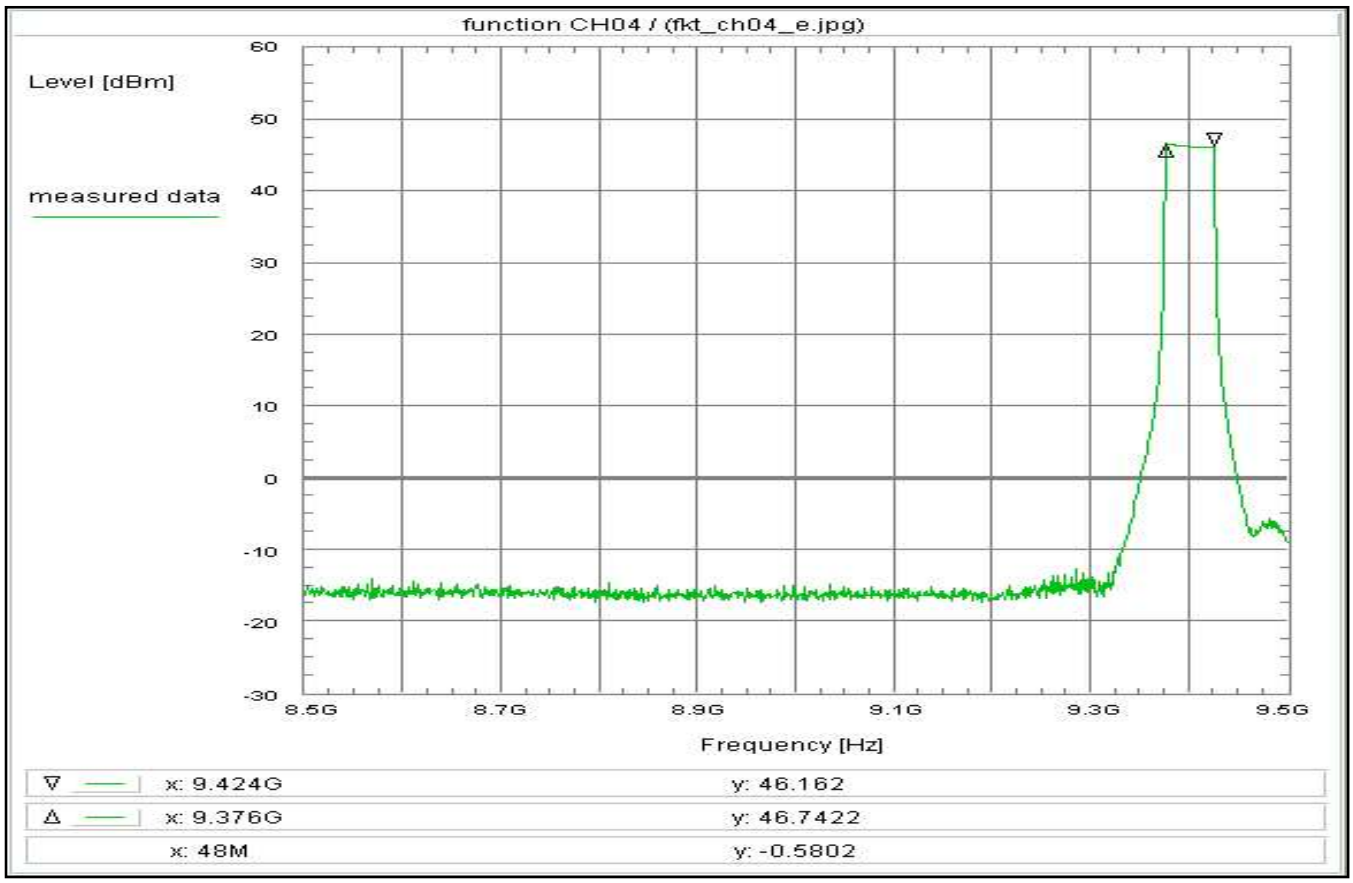
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 24.1 dBm
CH04, 50 MHz, Tx-Port: 05

Plot No. 38



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 16:12:25	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

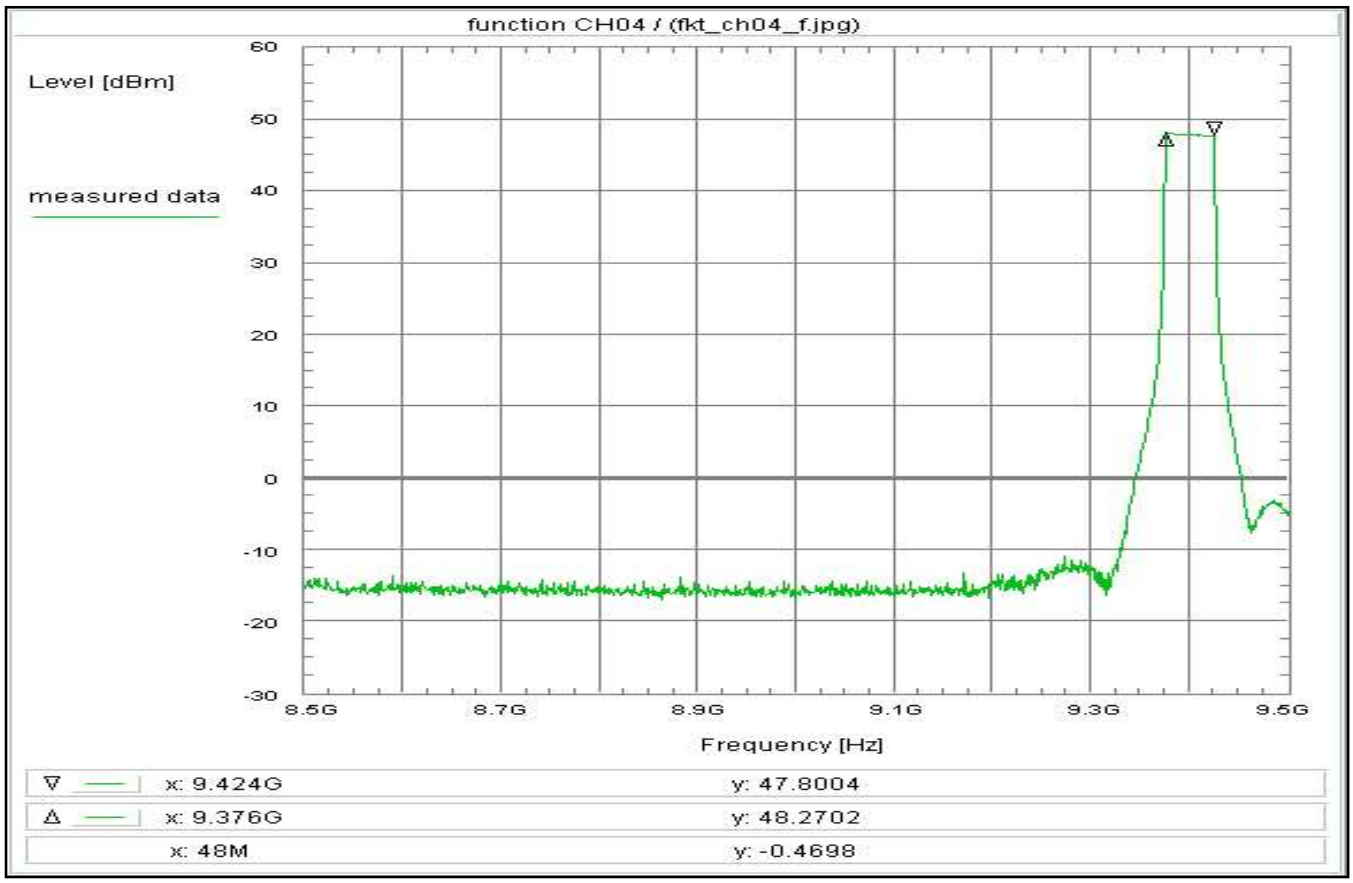
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 23.8 dBm
CH04, 50 MHz, Tx-Port: 06

Plot No. 39



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 16:39:10	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

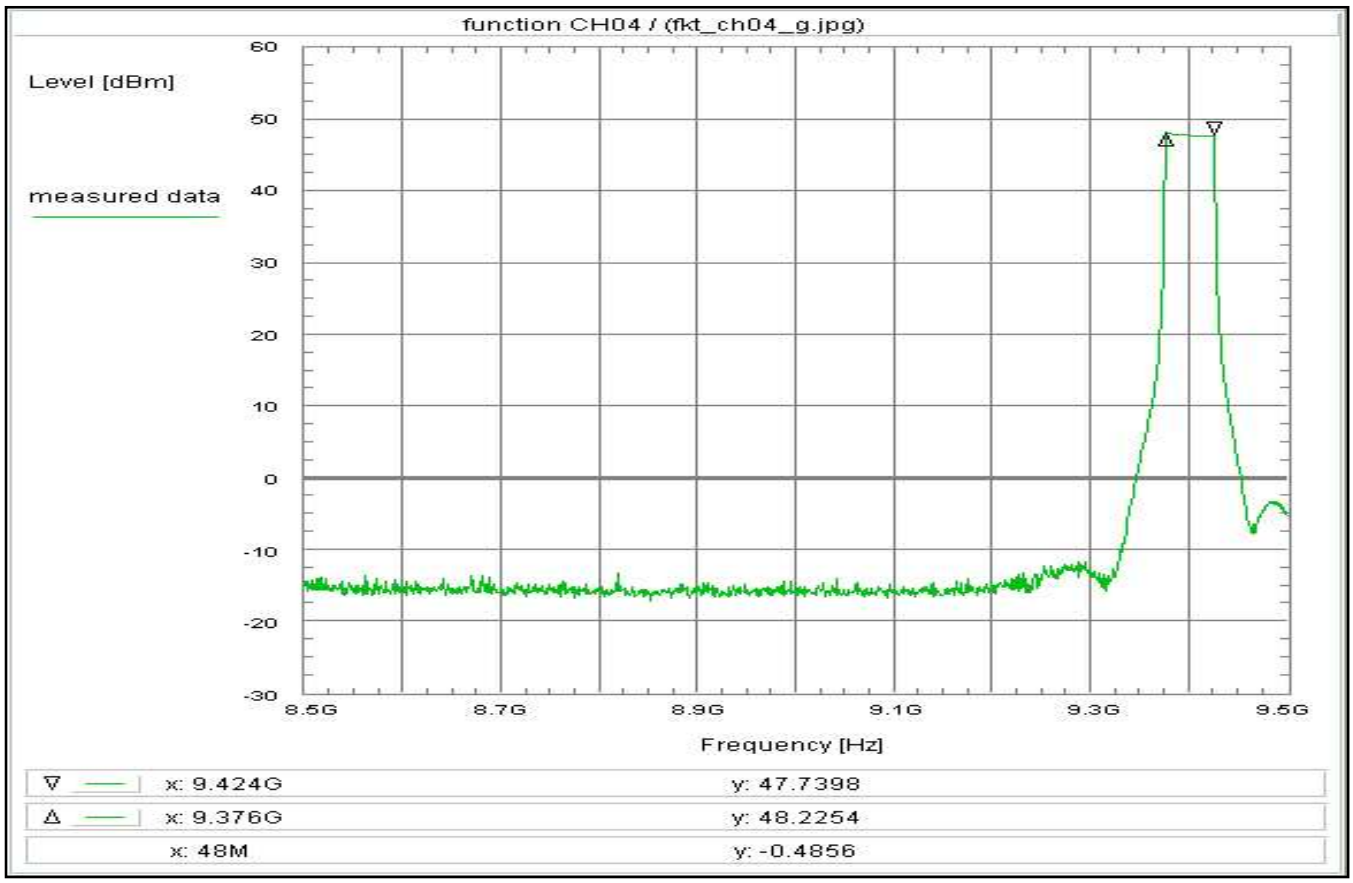
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 25.3 dBm
CH04, 50 MHz, Tx-Port: 07

Plot No. 40



Subclause: -/- Function test, frequency and power
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
no limits defined

This test serves to verify the general function of the EUT and to orientate regarding to the spurious emissions which are expected within the band, furthermore for comparison of the actual power with the rated value.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Mon 09/Dec/2024 16:42:03	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	234	Vac

Setup of measurement equipment:

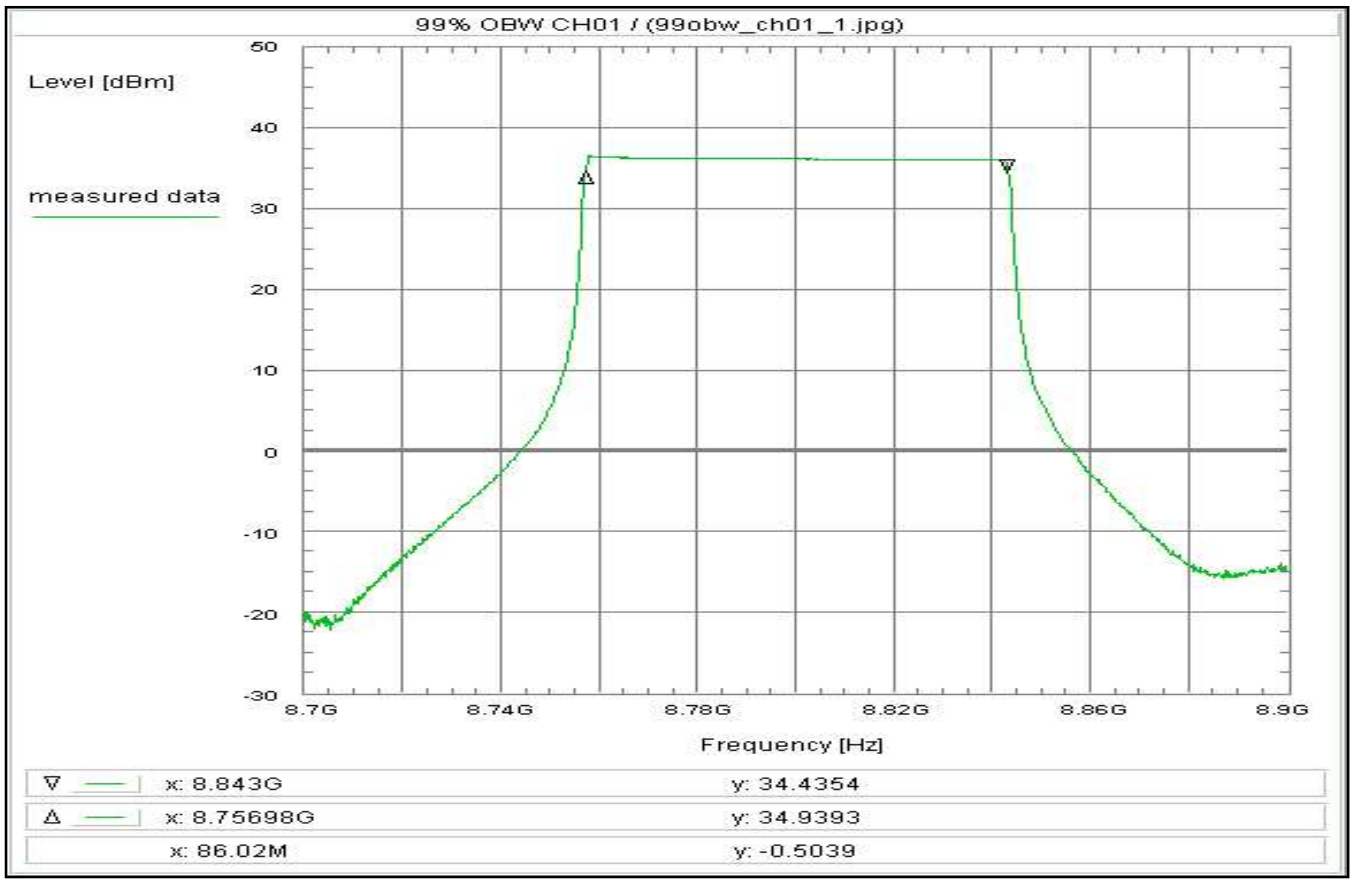
Start frequency:	8.5	GHz
Stop frequency:	9.5	GHz
Center frequency:	9	GHz
Frequency span:	1	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna (on-axis)	+	18.5	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	50.9	dB

Remarks:
Test of general function of the EUT and measurement for orientation
Internal channel power function of analyzer used to measure the mean power.
Settings: 1 MHz RBW, 3 MHz VBW, RMS, 10 s sweep time
Measured mean power / channel power: 25.3 dBm
CH04, 50 MHz, Tx-Port: 08

Plot No. 41



Subclause: -/- Verification of the 99% occupied bandwidth (OBW)
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
The occupied bandwidth is defined as the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage (e.g. 0.5%, unless otherwise specified) of the total mean power. This bandwidth is also known as the 99% occupied bandwidth.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Tue 10/Dec/2024 09:37:35	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	55	%
Voltage:	230	Vac

Setup of measurement equipment:

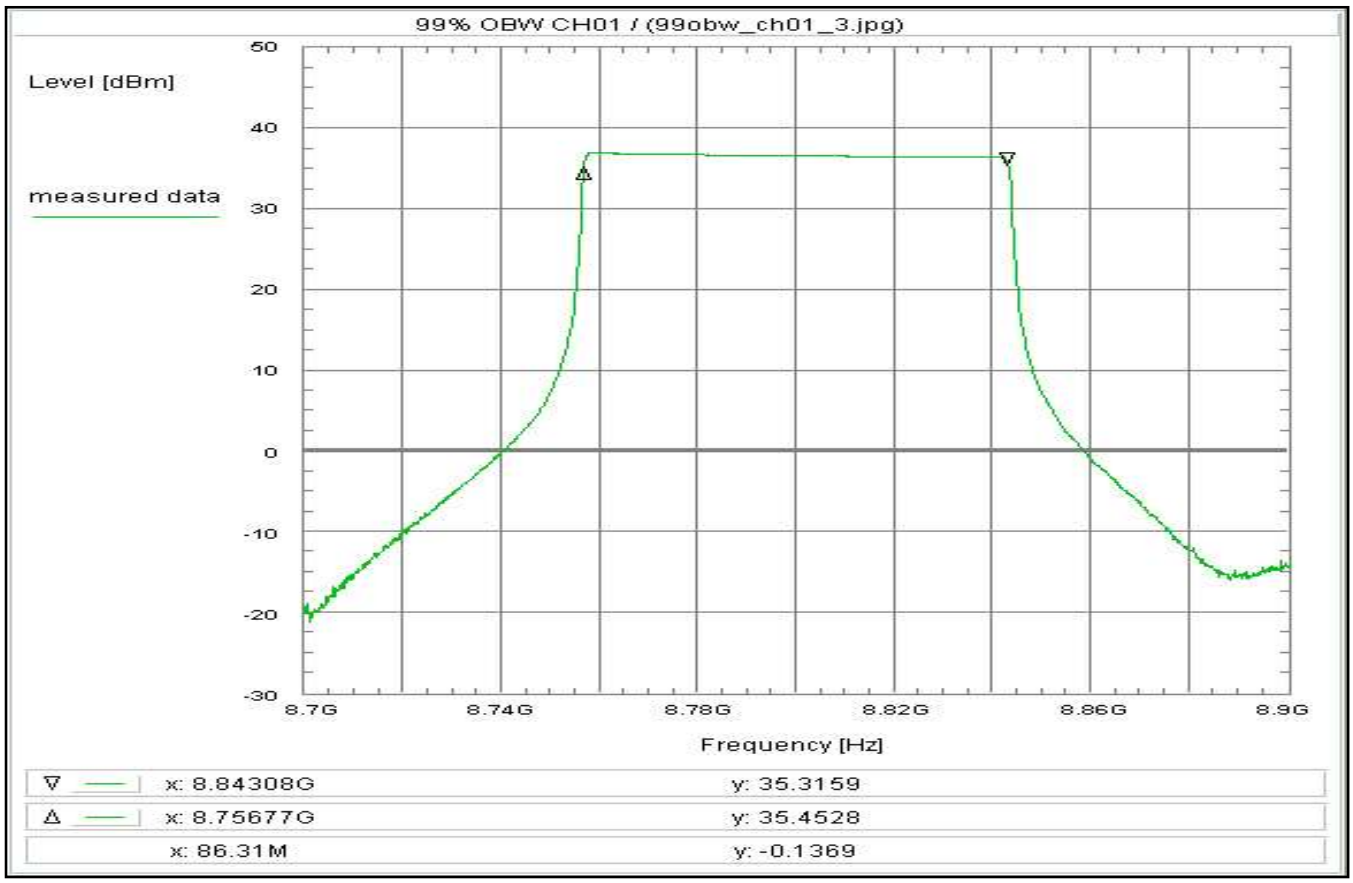
Start frequency:	8.7	GHz
Stop frequency:	8.9	GHz
Center frequency:	8.8	GHz
Frequency span:	200	MHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	32.4	dB

Remarks:
Verification of the 99% OBW, internal function of analyzer is used.
Measured occupied bandwidth: 86.1 MHz (see delta marker)
Measured pos-peak power: 36.6 dBm
CH01, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold

Plot No. 42



Subclause: -/- Verification of the 99% occupied bandwidth (OBW)
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
The occupied bandwidth is defined as the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage (e.g. 0.5%, unless otherwise specified) of the total mean power. This bandwidth is also known as the 99% occupied bandwidth.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Tue 10/Dec/2024 10:54:50	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	233	Vac

Setup of measurement equipment:

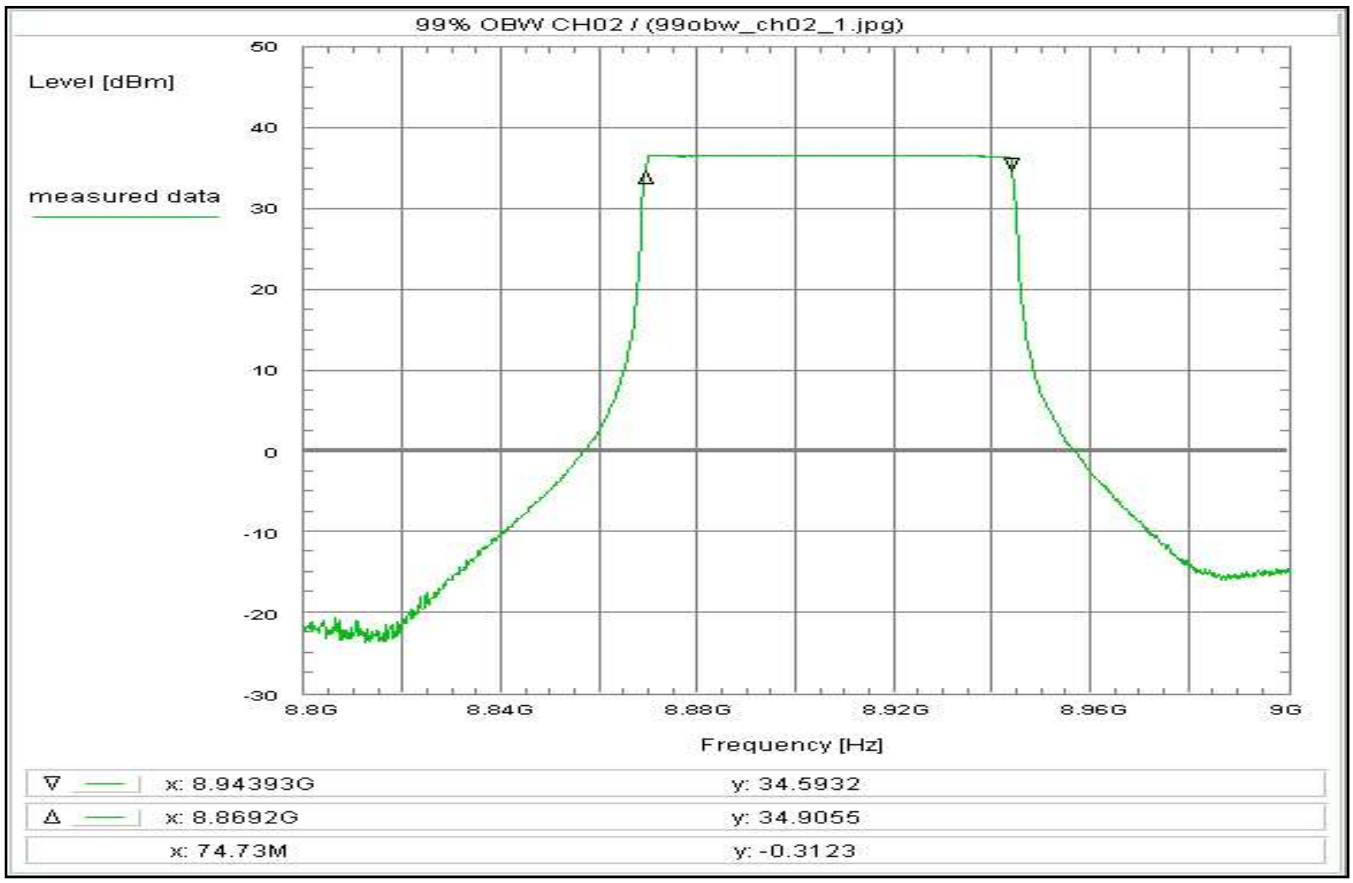
Start frequency:	8.7	GHz
Stop frequency:	8.9	GHz
Center frequency:	8.8	GHz
Frequency span:	200	MHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	32.4	dB

Remarks:
Verification of the 99% OBW, internal function of analyzer is used.
Measured occupied bandwidth: 86.3 MHz (see delta marker)
Measured pos-peak power: 37.1 dBm
CH01, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold

Plot No. 43



Subclause: -/- Verification of the 99% occupied bandwidth (OBW)
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
The occupied bandwidth is defined as the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage (e.g. 0.5%, unless otherwise specified) of the total mean power. This bandwidth is also known as the 99% occupied bandwidth.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Tue 10/Dec/2024 09:44:13	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	233	Vac

Setup of measurement equipment:

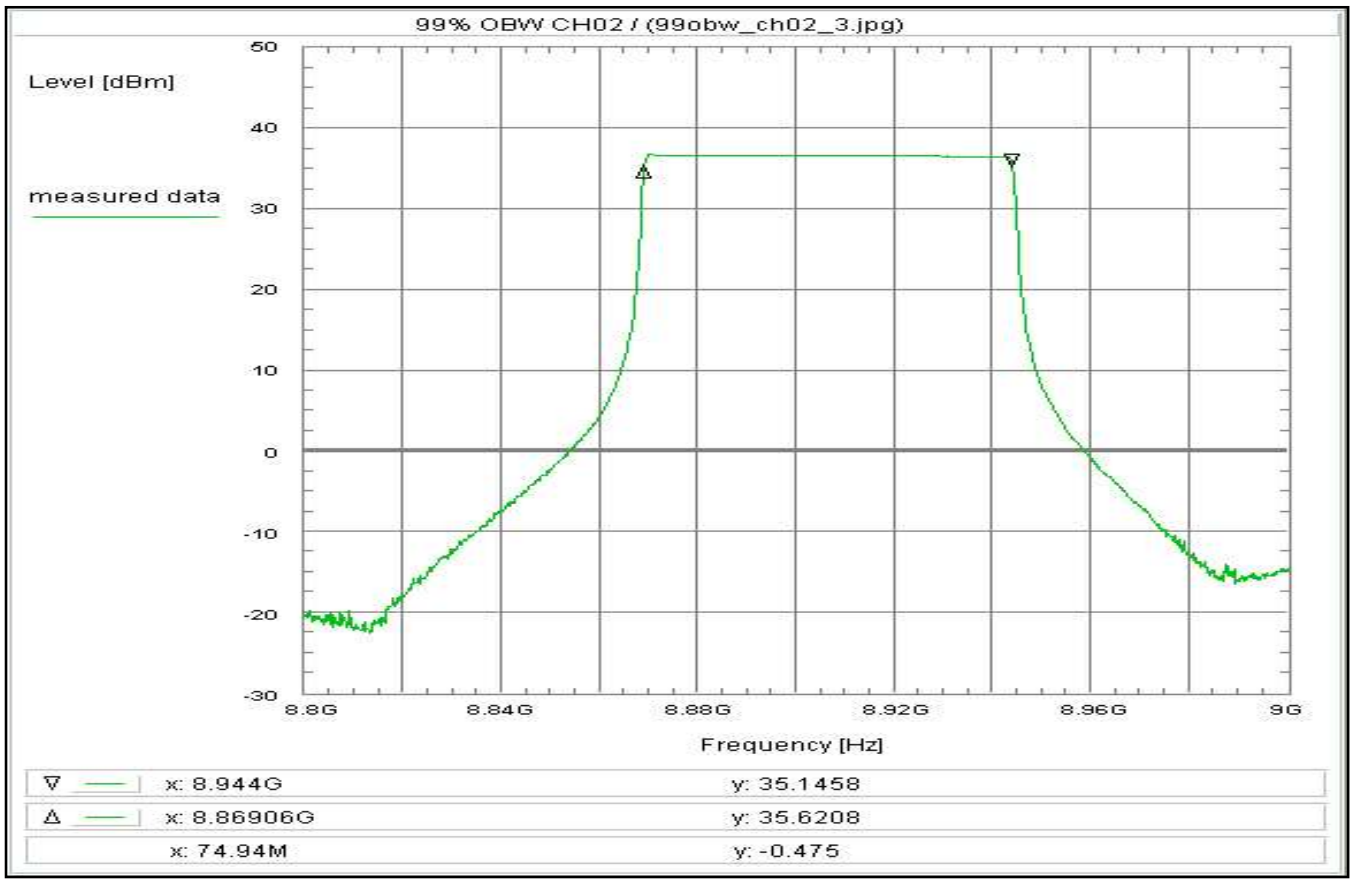
Start frequency:	8.8	GHz
Stop frequency:	9	GHz
Center frequency:	8.9	GHz
Frequency span:	200	MHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	32.4	dB

Remarks:
Verification of the 99% OBW, internal function of analyzer is used.
Measured occupied bandwidth: 74.7 MHz (see delta marker)
Measured pos-peak power: 36.7 dBm
CH02, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold

Plot No. 44



Subclause: -/- Verification of the 99% occupied bandwidth (OBW)
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
The occupied bandwidth is defined as the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage (e.g. 0.5%, unless otherwise specified) of the total mean power. This bandwidth is also known as the 99% occupied bandwidth.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Tue 10/Dec/2024 11:01:45	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	233	Vac

Setup of measurement equipment:

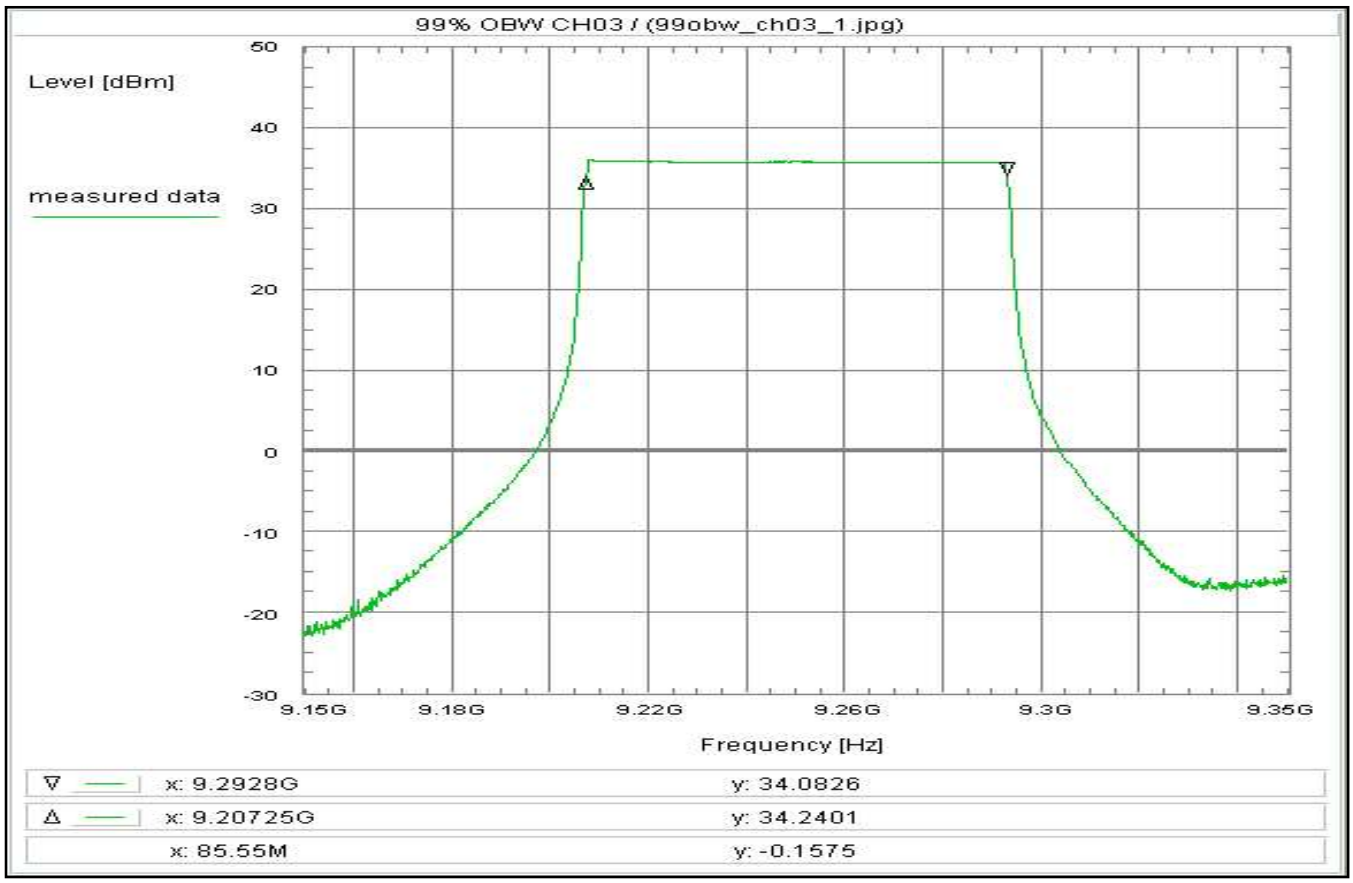
Start frequency:	8.8	GHz
Stop frequency:	9	GHz
Center frequency:	8.9	GHz
Frequency span:	200	MHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.1	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	32.4	dB

Remarks:
Verification of the 99% OBW, internal function of analyzer is used.
Measured occupied bandwidth: 75.0 MHz (see delta marker)
Measured pos-peak power: 36.8 dBm
CH02, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold

Plot No. 45



Subclause: -/- Verification of the 99% occupied bandwidth (OBW)
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
The occupied bandwidth is defined as the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage (e.g. 0.5%, unless otherwise specified) of the total mean power. This bandwidth is also known as the 99% occupied bandwidth.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Tue 10/Dec/2024 10:09:44	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	233	Vac

Setup of measurement equipment:

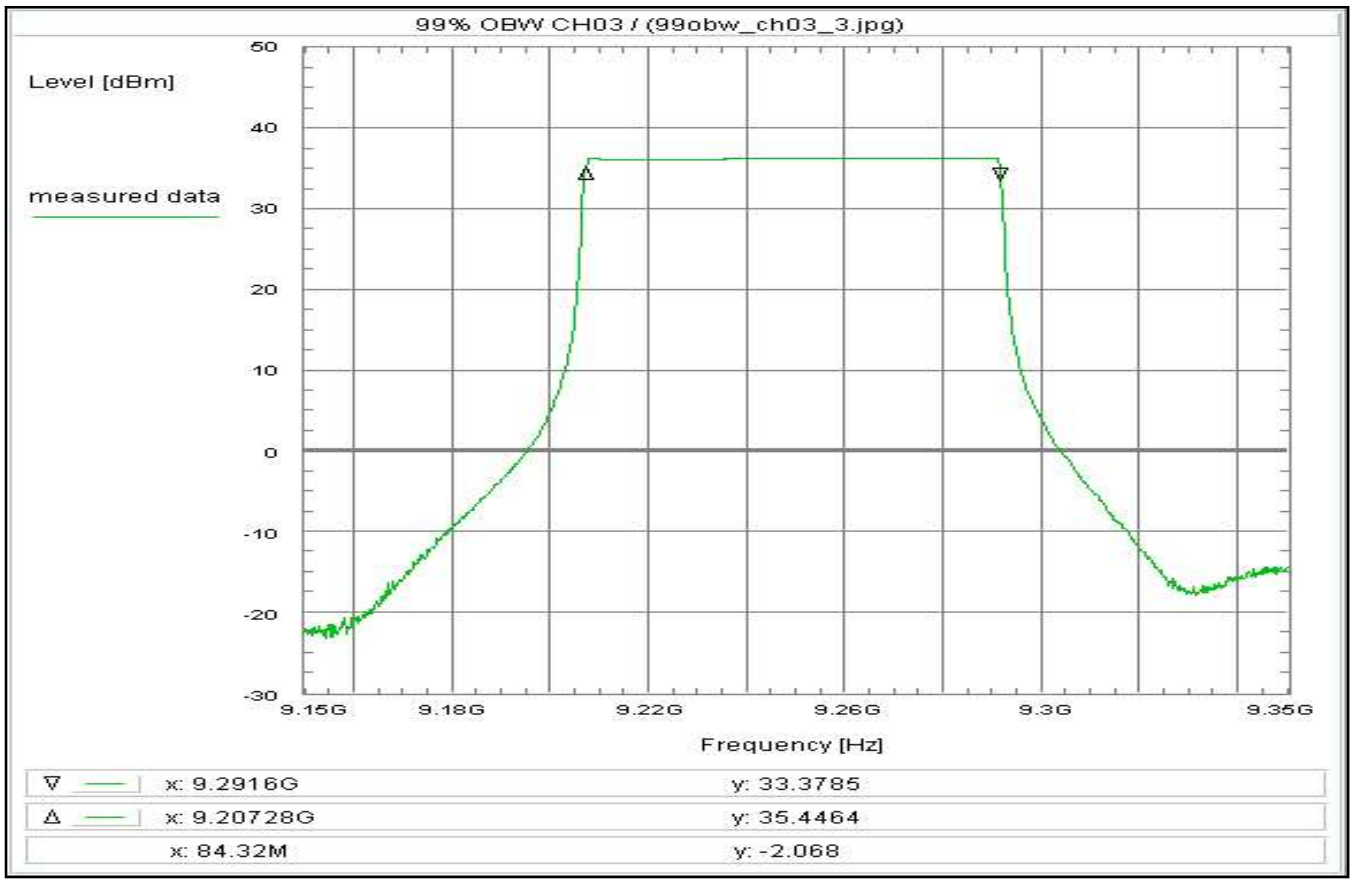
Start frequency:	9.15	GHz
Stop frequency:	9.35	GHz
Center frequency:	9.25	GHz
Frequency span:	200	MHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.2	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	32.5	dB

Remarks:
Verification of the 99% OBW, internal function of analyzer is used.
Measured occupied bandwidth: 85.6 MHz (see delta marker)
Measured pos-peak power: 36.1 dBm
CH03, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold

Plot No. 46



Subclause: -/- Verification of the 99% occupied bandwidth (OBW)
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
The occupied bandwidth is defined as the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage (e.g. 0.5%, unless otherwise specified) of the total mean power. This bandwidth is also known as the 99% occupied bandwidth.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Tue 10/Dec/2024 11:06:18	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	233	Vac

Setup of measurement equipment:

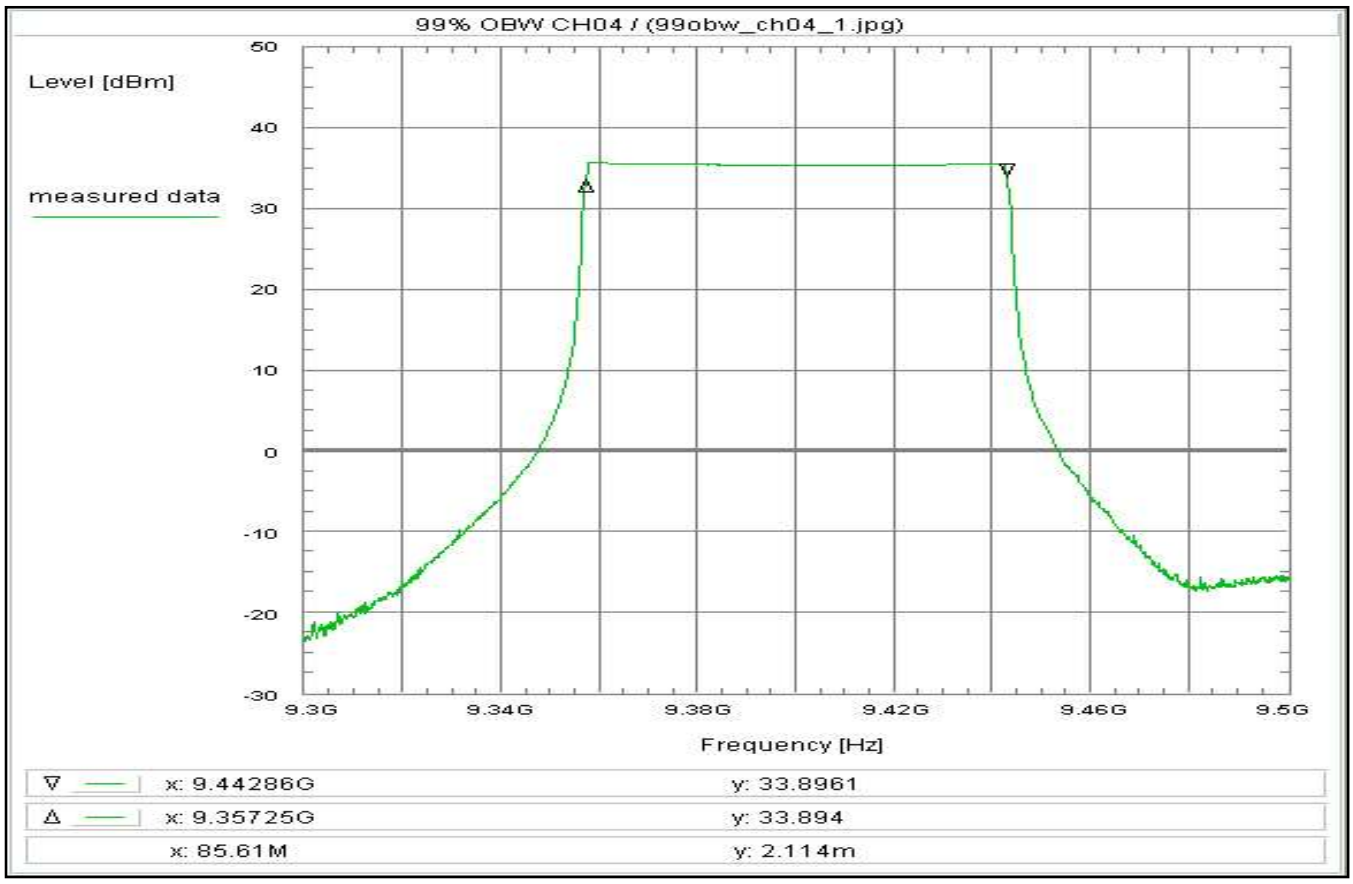
Start frequency:	9.15	GHz
Stop frequency:	9.35	GHz
Center frequency:	9.25	GHz
Frequency span:	200	MHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.2	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	32.5	dB

Remarks:
Verification of the 99% OBW, internal function of analyzer is used.
Measured occupied bandwidth: 84.3 MHz (see delta marker)
Measured pos-peak power: 36.4 dBm
CH03, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold

Plot No. 47



Subclause: -/- Verification of the 99% occupied bandwidth (OBW)
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
The occupied bandwidth is defined as the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage (e.g. 0.5%, unless otherwise specified) of the total mean power. This bandwidth is also known as the 99% occupied bandwidth.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Tue 10/Dec/2024 10:18:50	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	233	Vac

Setup of measurement equipment:

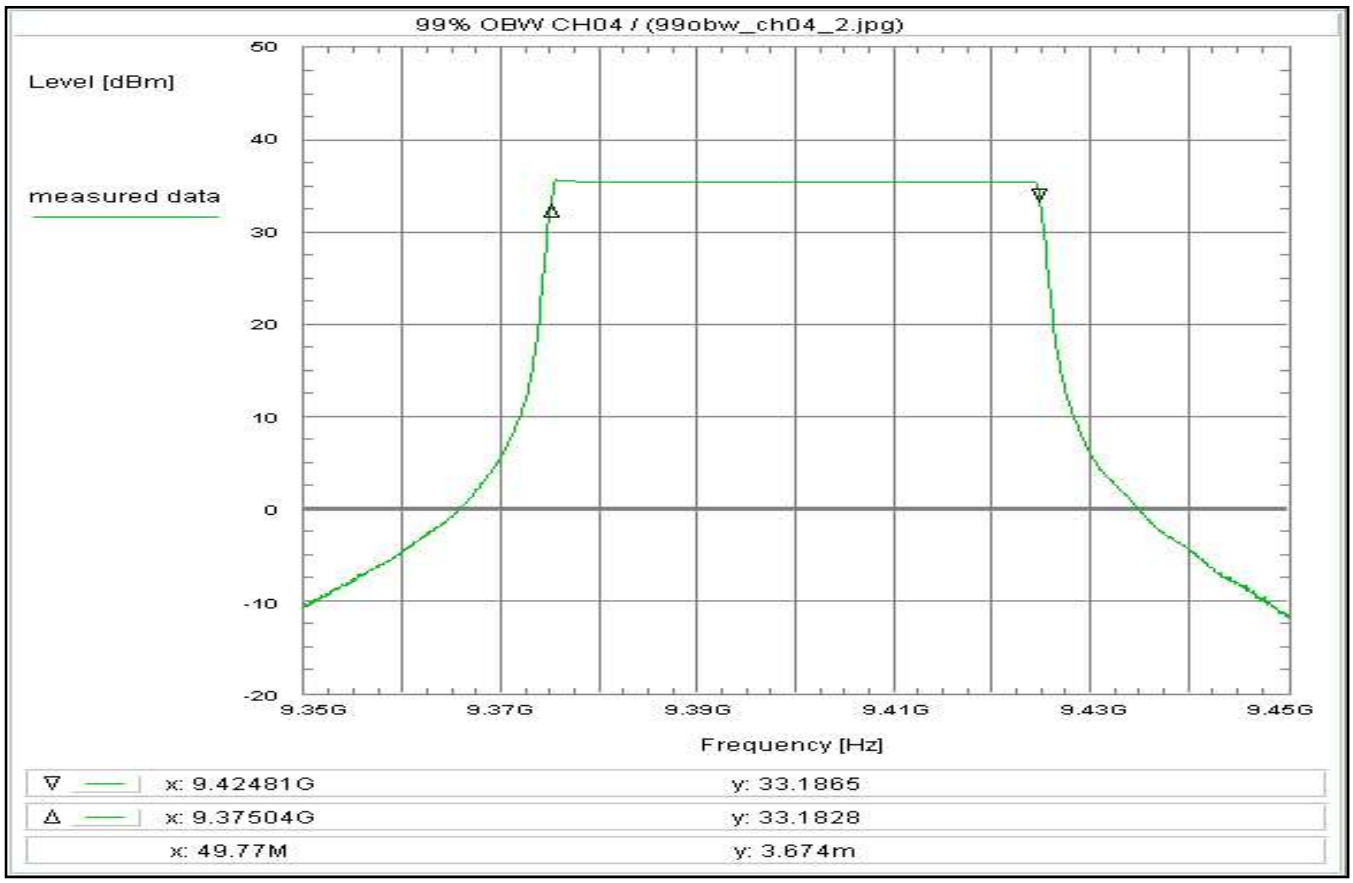
Start frequency:	9.3	GHz
Stop frequency:	9.5	GHz
Center frequency:	9.4	GHz
Frequency span:	200	MHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.2	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	32.5	dB

Remarks:
Verification of the 99% OBW, internal function of analyzer is used.
Measured occupied bandwidth: 85.6 MHz (see delta marker)
Measured pos-peak power: 35.8 dBm
CH04, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold

Plot No. 48



Subclause: -/- Verification of the 99% occupied bandwidth (OBW)
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
The occupied bandwidth is defined as the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage (e.g. 0.5%, unless otherwise specified) of the total mean power. This bandwidth is also known as the 99% occupied bandwidth.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Tue 10/Dec/2024 10:29:41	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	233	Vac

Setup of measurement equipment:

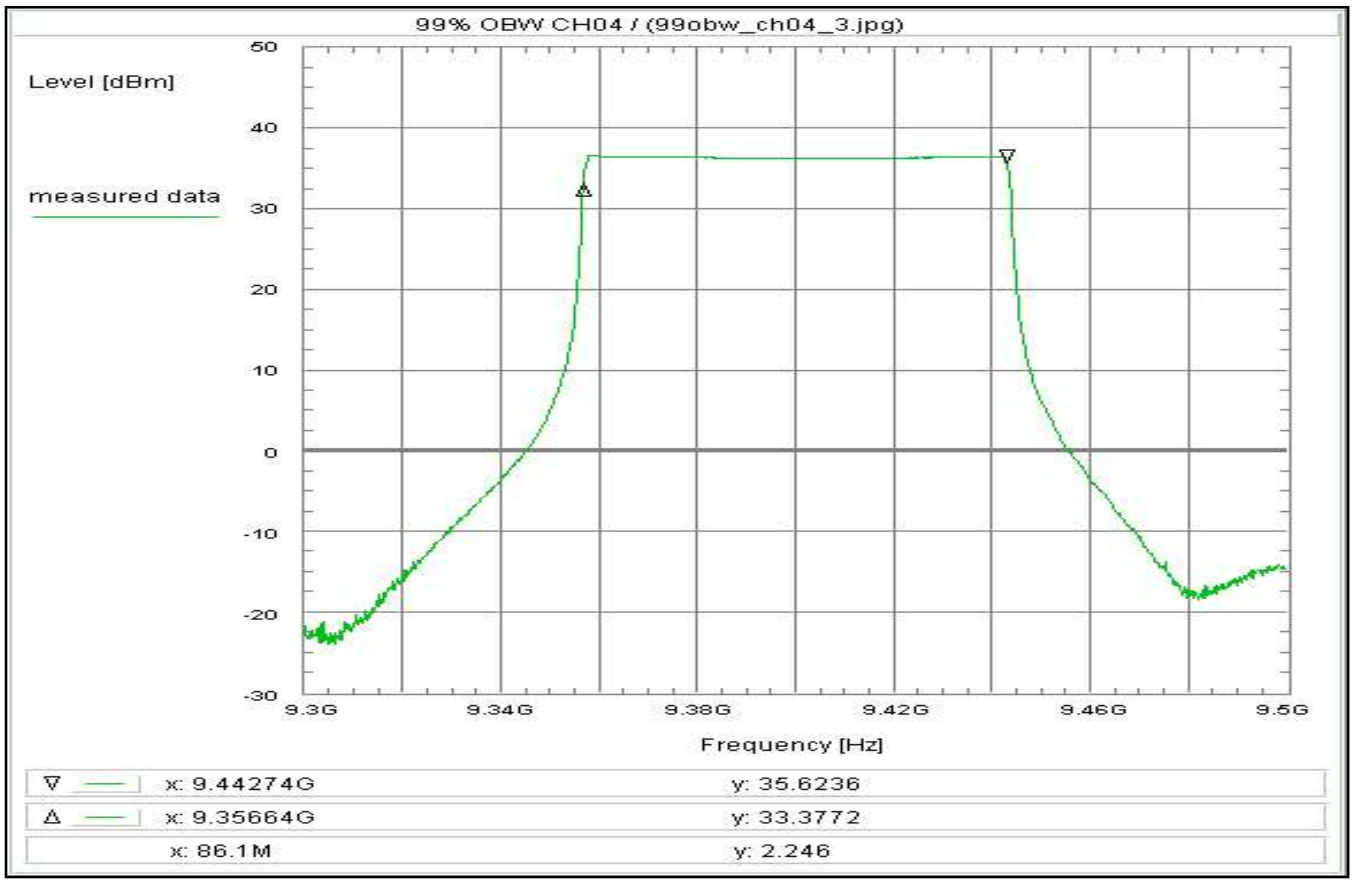
Start frequency:	9.35	GHz
Stop frequency:	9.45	GHz
Center frequency:	9.4	GHz
Frequency span:	100	MHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.2	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	32.5	dB

Remarks:
Verification of the 99% OBW, internal function of analyzer is used.
Measured occupied bandwidth: 49.8 MHz (see delta marker)
Measured pos-peak power: 35.7 dBm
CH04, 50 MHz, Tx-Port: 02
Positive-Peak / Max-Hold

Plot No. 49



Subclause: -/- Verification of the 99% occupied bandwidth (OBW)
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
The occupied bandwidth is defined as the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage (e.g. 0.5%, unless otherwise specified) of the total mean power. This bandwidth is also known as the 99% occupied bandwidth.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Tue 10/Dec/2024 11:12:04	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	233	Vac

Setup of measurement equipment:

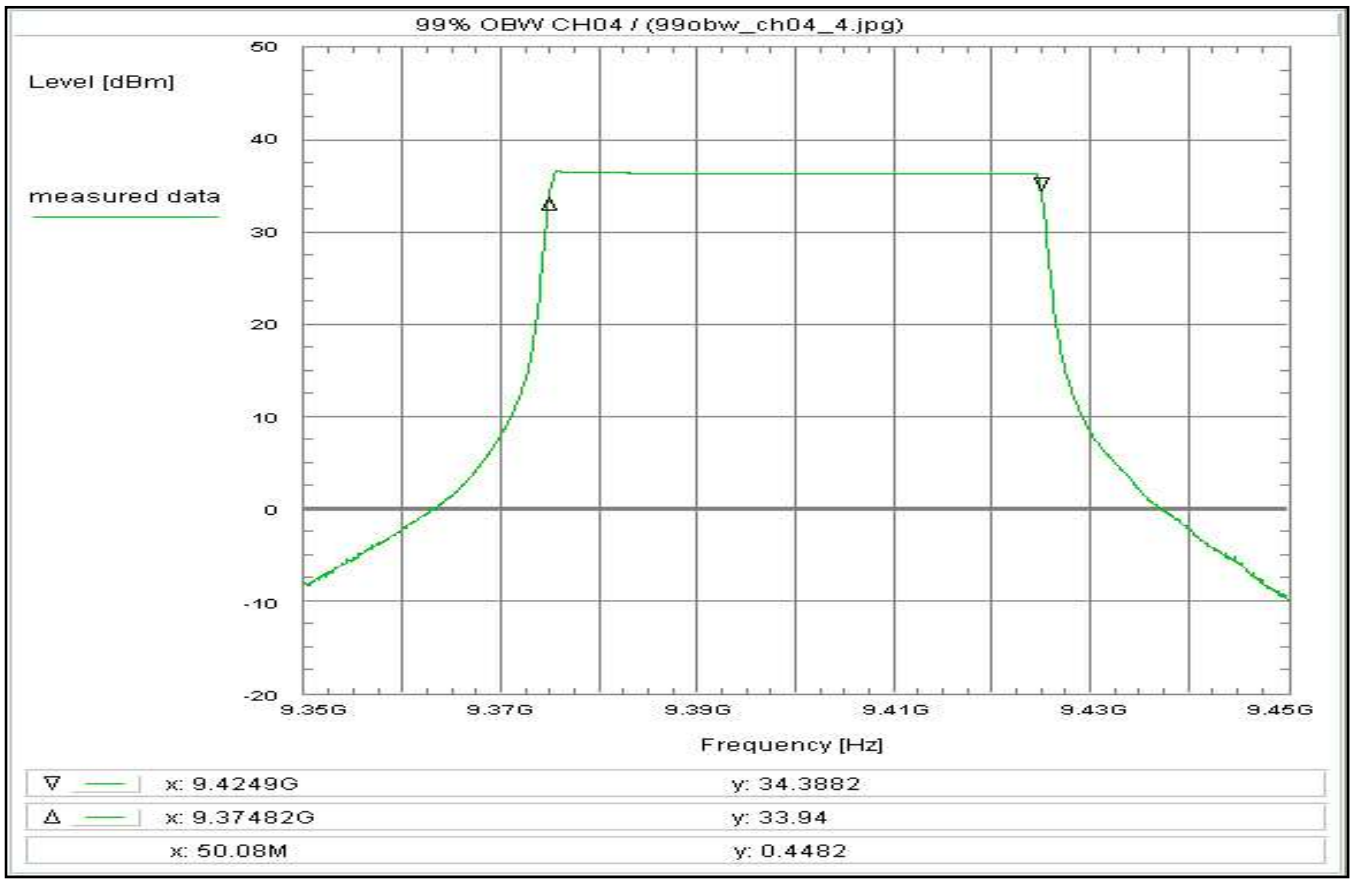
Start frequency:	9.3	GHz
Stop frequency:	9.5	GHz
Center frequency:	9.4	GHz
Frequency span:	200	MHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.2	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	32.5	dB

Remarks:
Verification of the 99% OBW, internal function of analyzer is used.
Measured occupied bandwidth: 86.1 MHz (see delta marker)
Measured pos-peak power: 36.7 dBm
CH04, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold

Plot No. 50



Subclause: -/- Verification of the 99% occupied bandwidth (OBW)
Measurement within the allocated band: 8.5 - 9.5 GHz

Limit:
The occupied bandwidth is defined as the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage (e.g. 0.5%, unless otherwise specified) of the total mean power. This bandwidth is also known as the 99% occupied bandwidth.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C165, U130

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Tue 10/Dec/2024 11:13:57	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	22	°C
Humidity:	30	%
Voltage:	233	Vac

Setup of measurement equipment:

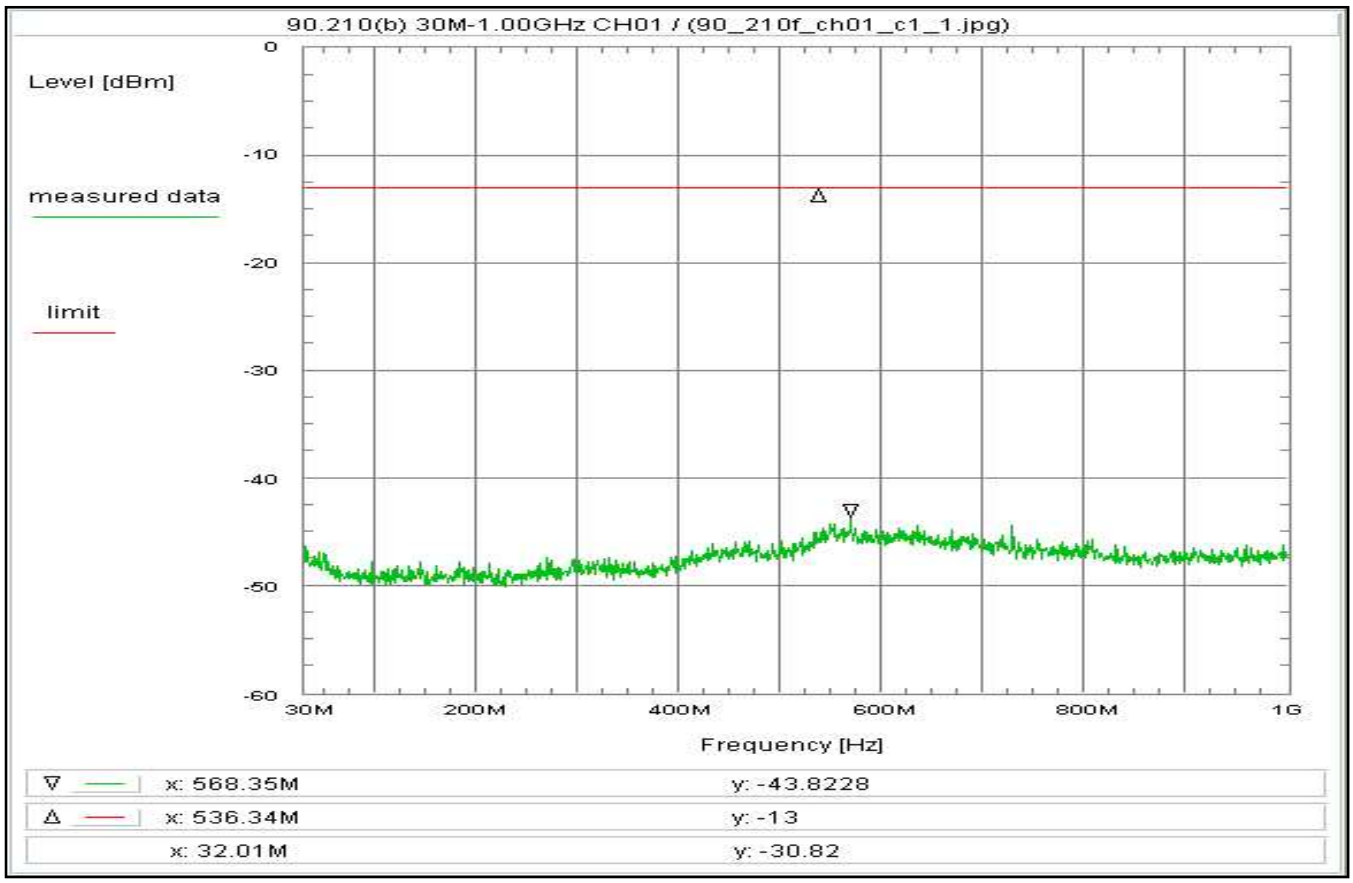
Start frequency:	9.35	GHz
Stop frequency:	9.45	GHz
Center frequency:	9.4	GHz
Frequency span:	100	MHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C165)	+	2.2	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Attenuation (U130)	+	30.3	dB
TOTAL CORRECTION:	+	32.5	dB

Remarks:
Verification of the 99% OBW, internal function of analyzer is used.
Measured occupied bandwidth: 50.1 MHz (see delta marker)
Measured pos-peak power: 36.6 dBm
CH04, 50 MHz, Tx-Port: 04
Positive-Peak / Max-Hold

Plot No. 51



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 30 MHz - 1 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:15:24	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

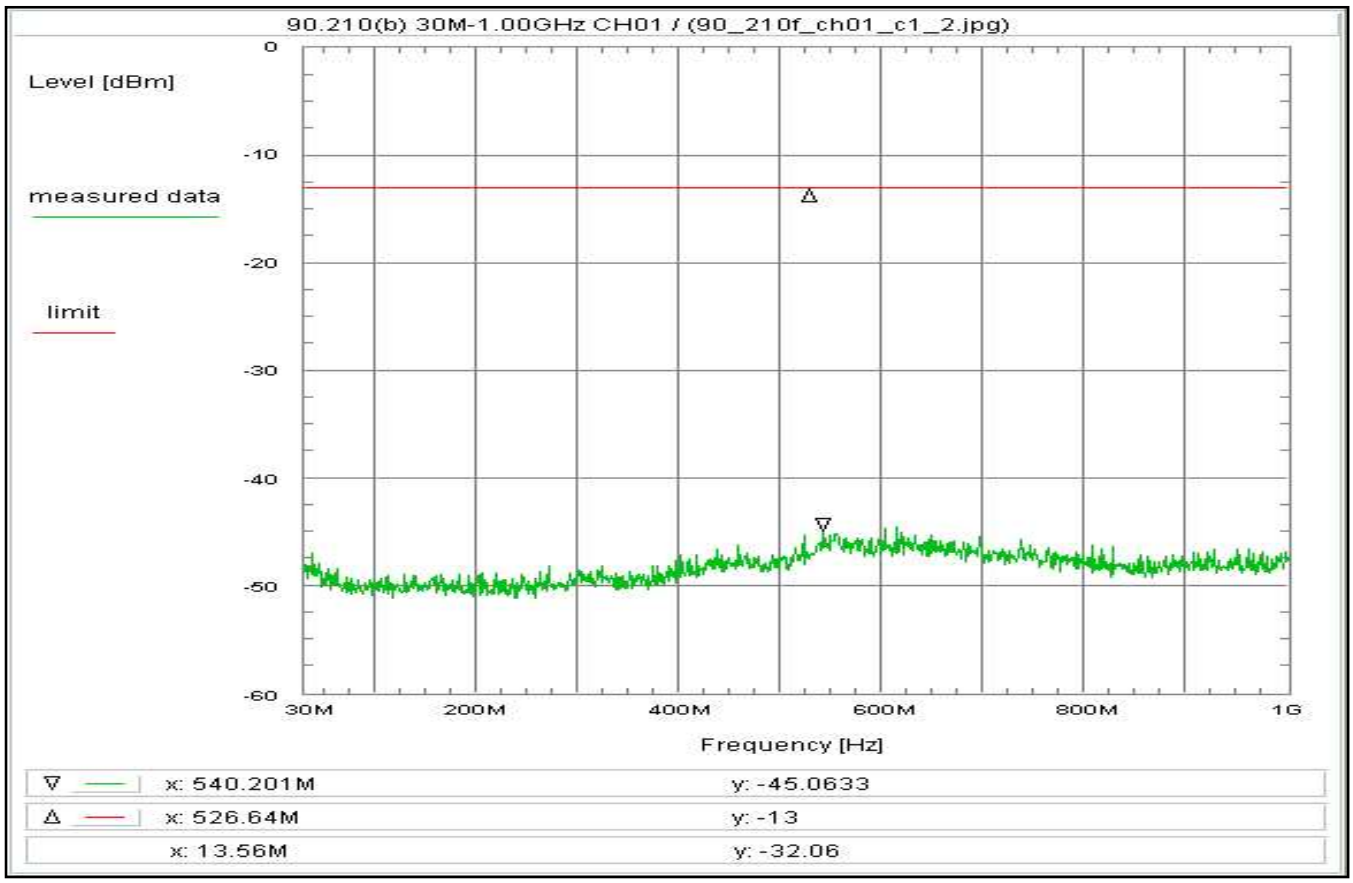
Start frequency:	30	MHz
Stop frequency:	1	GHz
Center frequency:	515	MHz
Frequency span:	970	MHz
Resolution-BW:	100	kHz
Video-BW:	300	kHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	0.3	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
Filter	+	0.0	dB
Attenuator (U979)	+	29.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	33.5	dB

Remarks:
CH01, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 52



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 30 MHz - 1 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:43:40	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

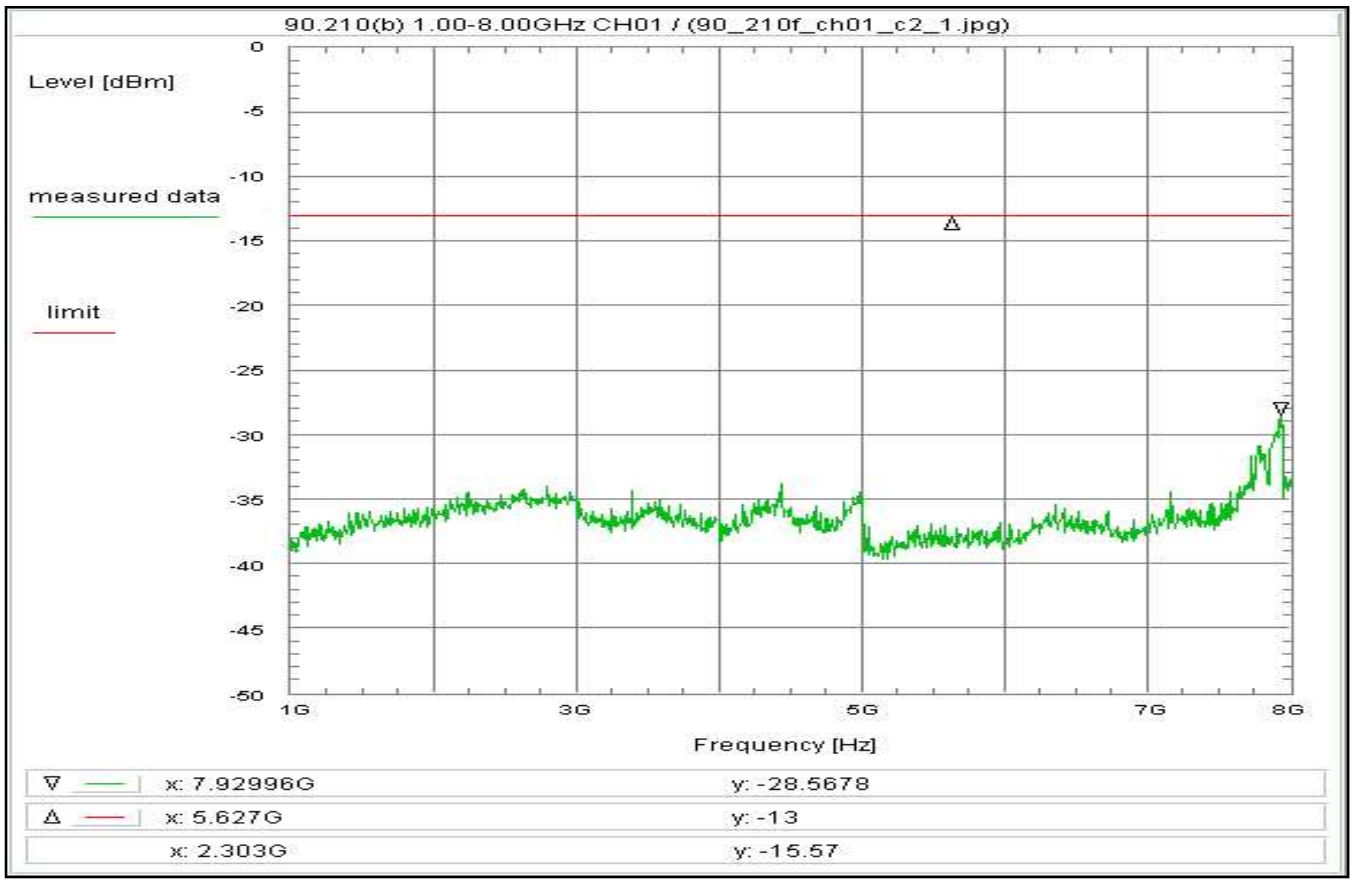
Start frequency:	30	MHz
Stop frequency:	1	GHz
Center frequency:	515	MHz
Frequency span:	970	MHz
Resolution-BW:	100	kHz
Video-BW:	300	kHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	0.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	33.5	dB

Remarks:
CH01, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 53



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 1 - 8 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:11:23	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

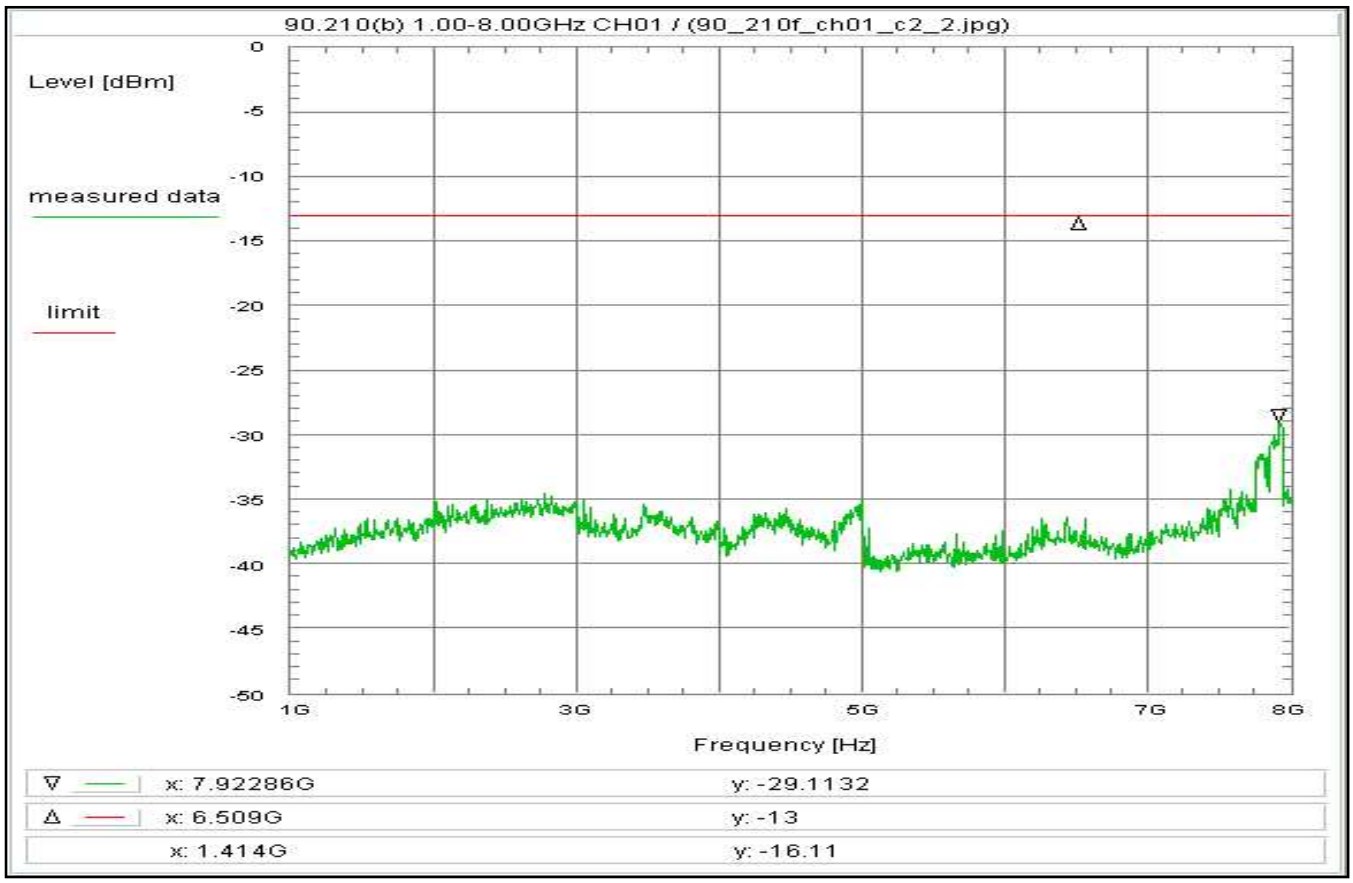
Start frequency:	1	GHz
Stop frequency:	8	GHz
Center frequency:	4.5	GHz
Frequency span:	7	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.0	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
Filter	+	0.0	dB
Attenuator (U979)	+	29.9	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	34.8	dB

Remarks:
CH01, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 54



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 1 - 8 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:44:17	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

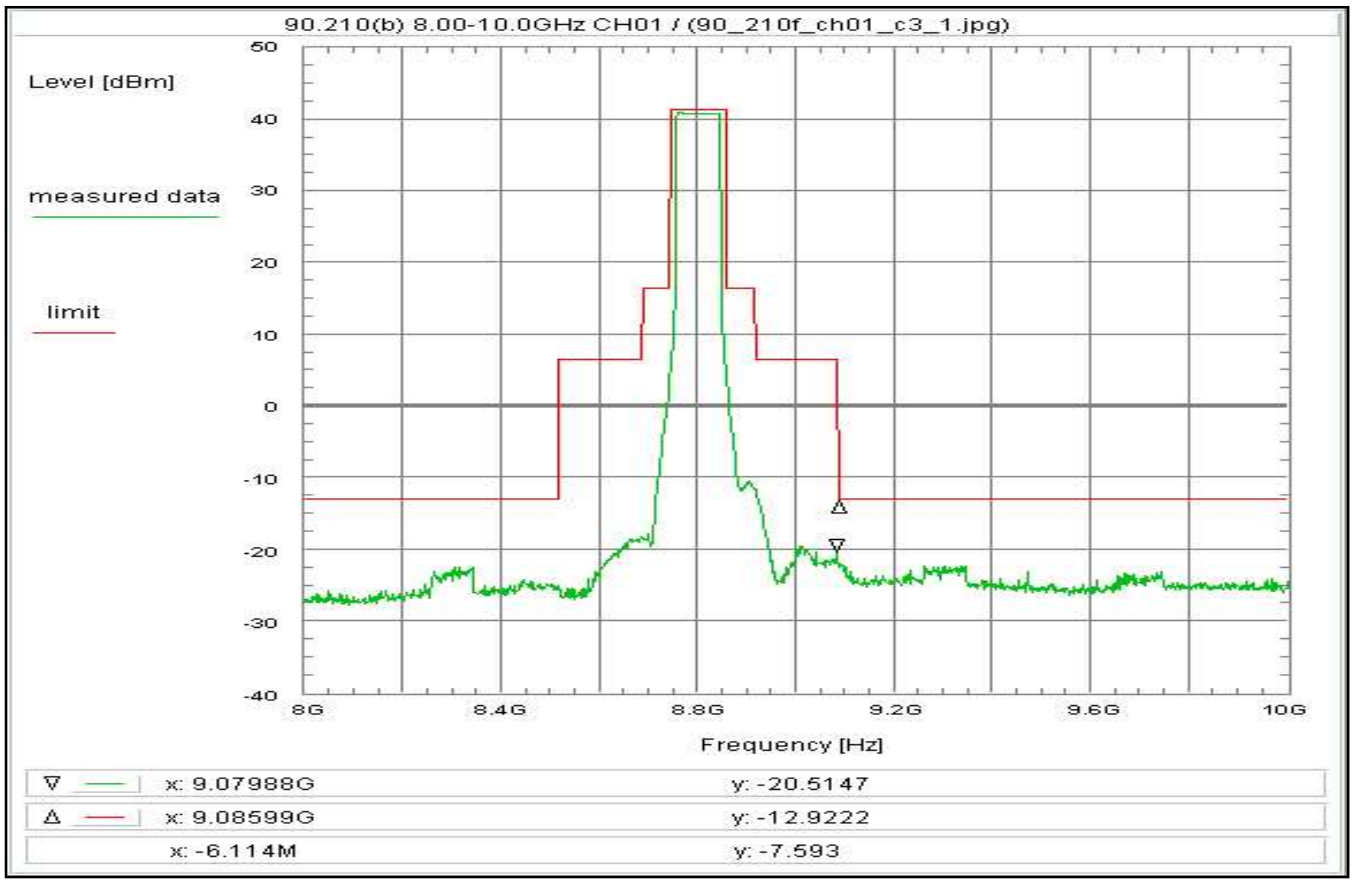
Start frequency:	1	GHz
Stop frequency:	8	GHz
Center frequency:	4.5	GHz
Frequency span:	7	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.0	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.9	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	34.8	dB

Remarks:
CH01, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 55



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 8 - 10 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:10:18	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

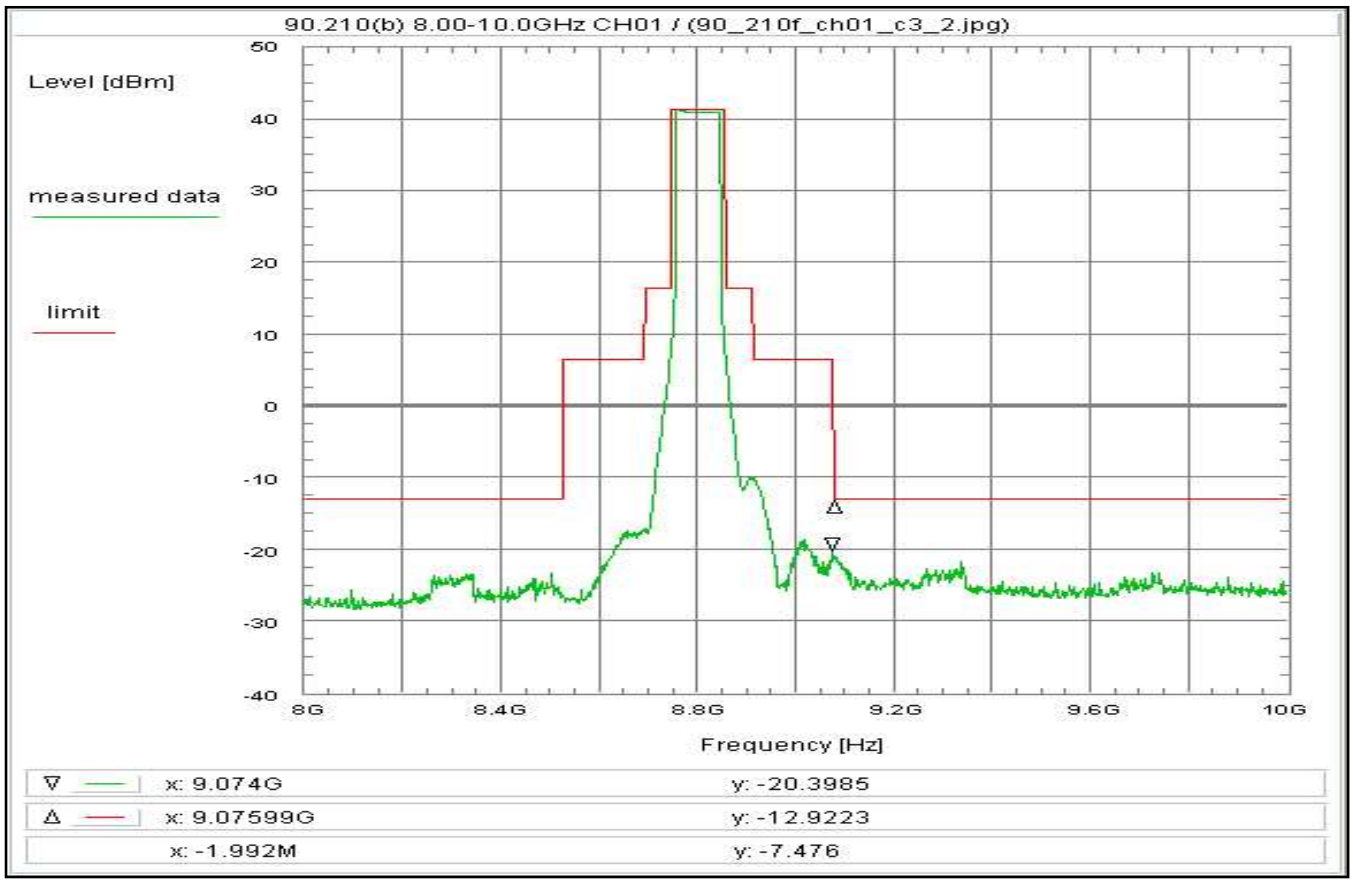
Start frequency:	8	GHz
Stop frequency:	10	GHz
Center frequency:	9	GHz
Frequency span:	2	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.5	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
Filter	+	0.0	dB
Attenuator (U979)	+	30.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	35.7	dB

Remarks:
CH01, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 56



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 8 - 10 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:42:20	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

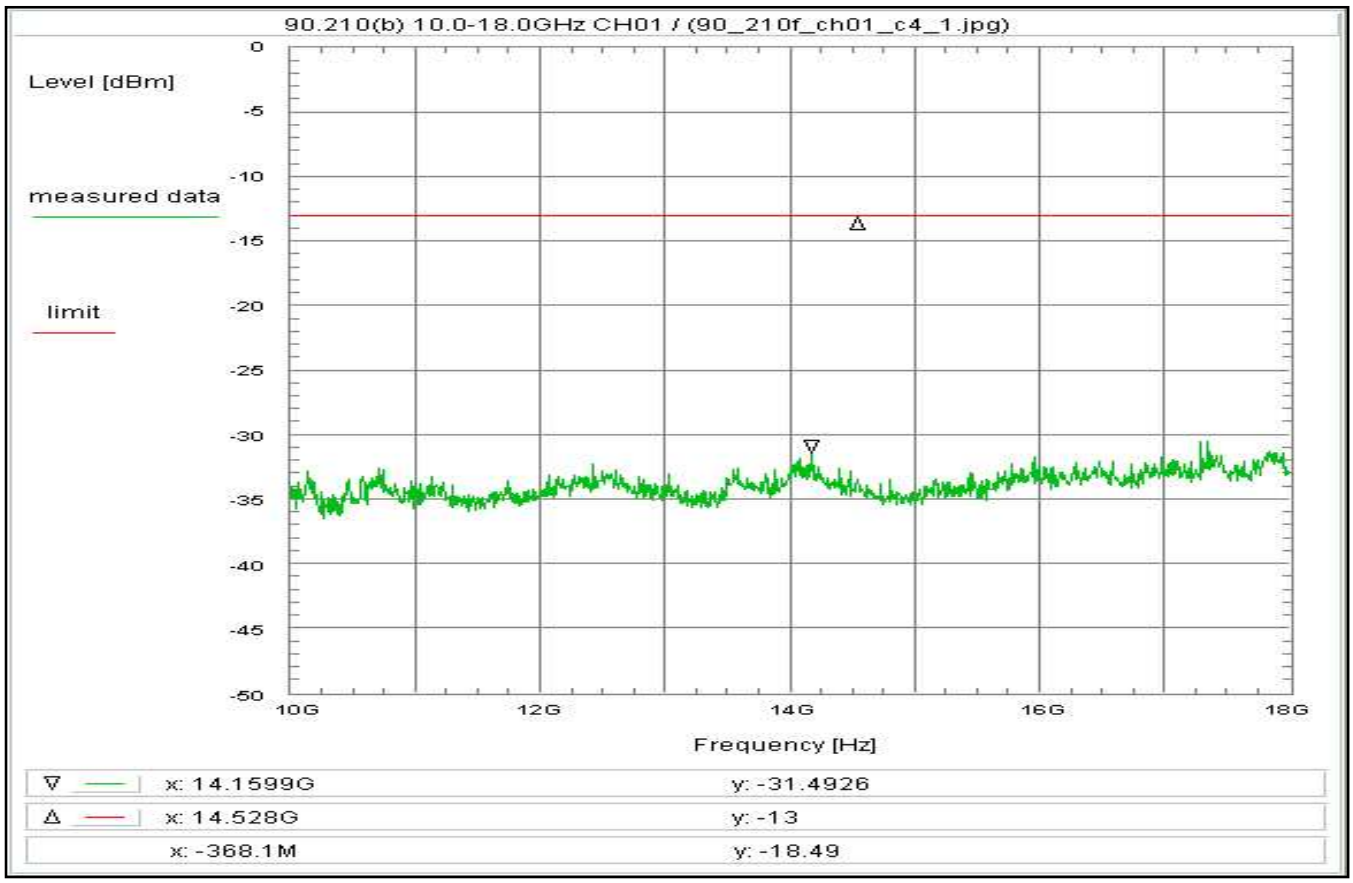
Start frequency:	8	GHz
Stop frequency:	10	GHz
Center frequency:	9	GHz
Frequency span:	2	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.5	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	35.7	dB

Remarks:
CH01, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 57



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 10 - 18 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:15:58	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

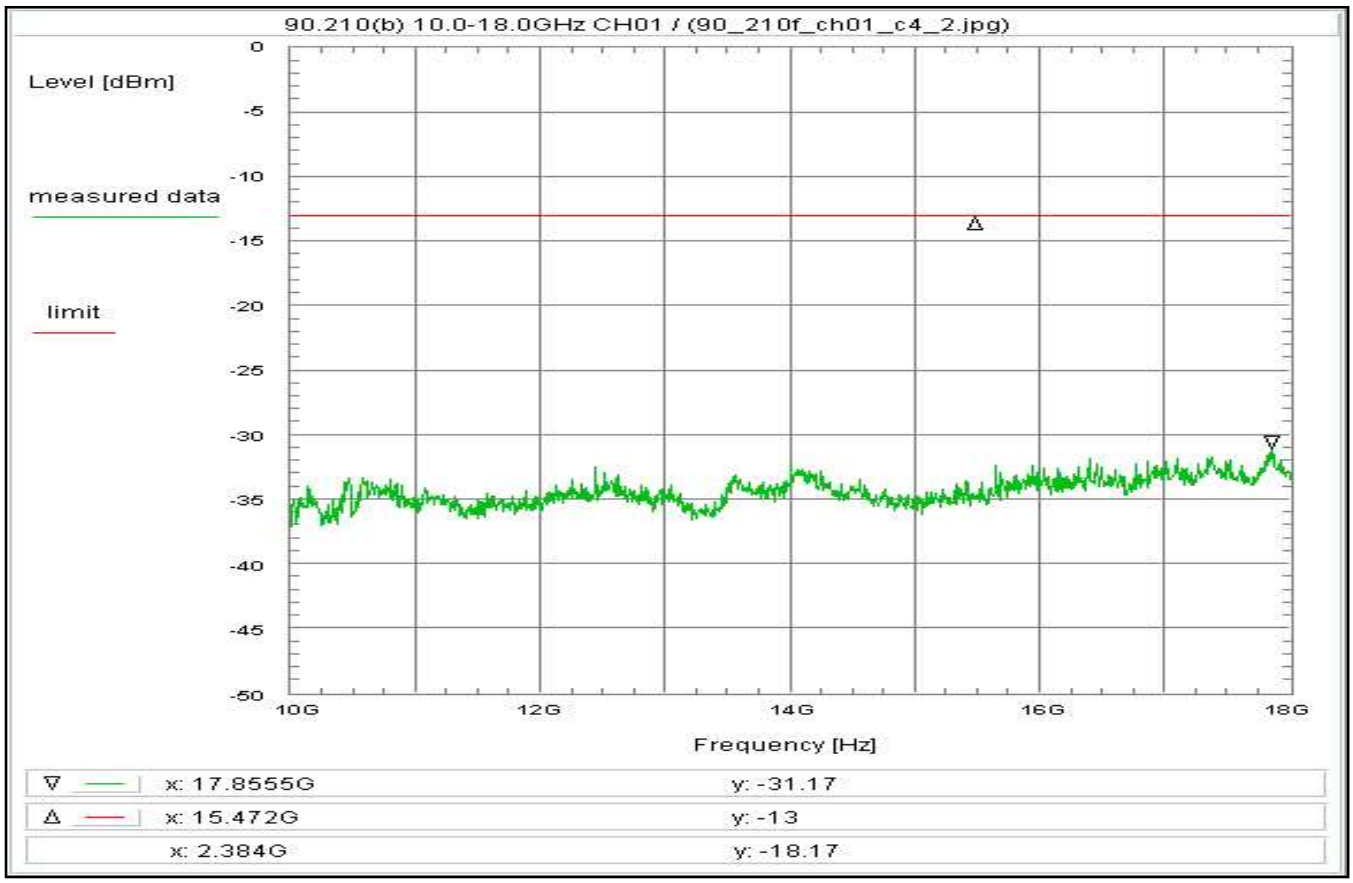
Start frequency:	10	GHz
Stop frequency:	18	GHz
Center frequency:	14	GHz
Frequency span:	8	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.8	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
Filter	+	0.0	dB
Attenuator (U979)	+	30.7	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	36.4	dB

Remarks:
CH01, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 58



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 10 - 18 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:44:56	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

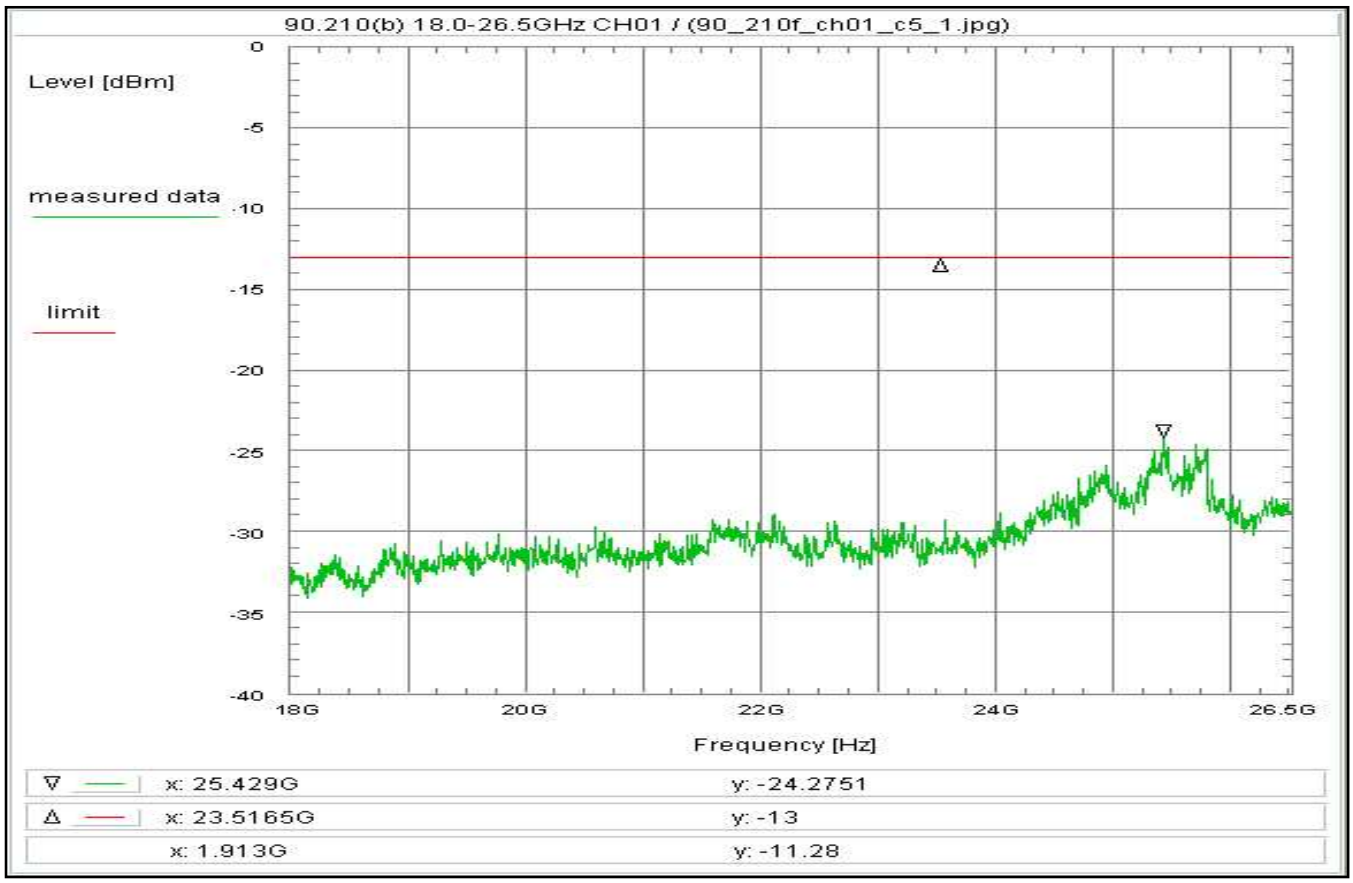
Start frequency:	10	GHz
Stop frequency:	18	GHz
Center frequency:	14	GHz
Frequency span:	8	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.8	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.7	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	36.4	dB

Remarks:
CH01, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 59



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 18 - 26.5 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:16:33	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

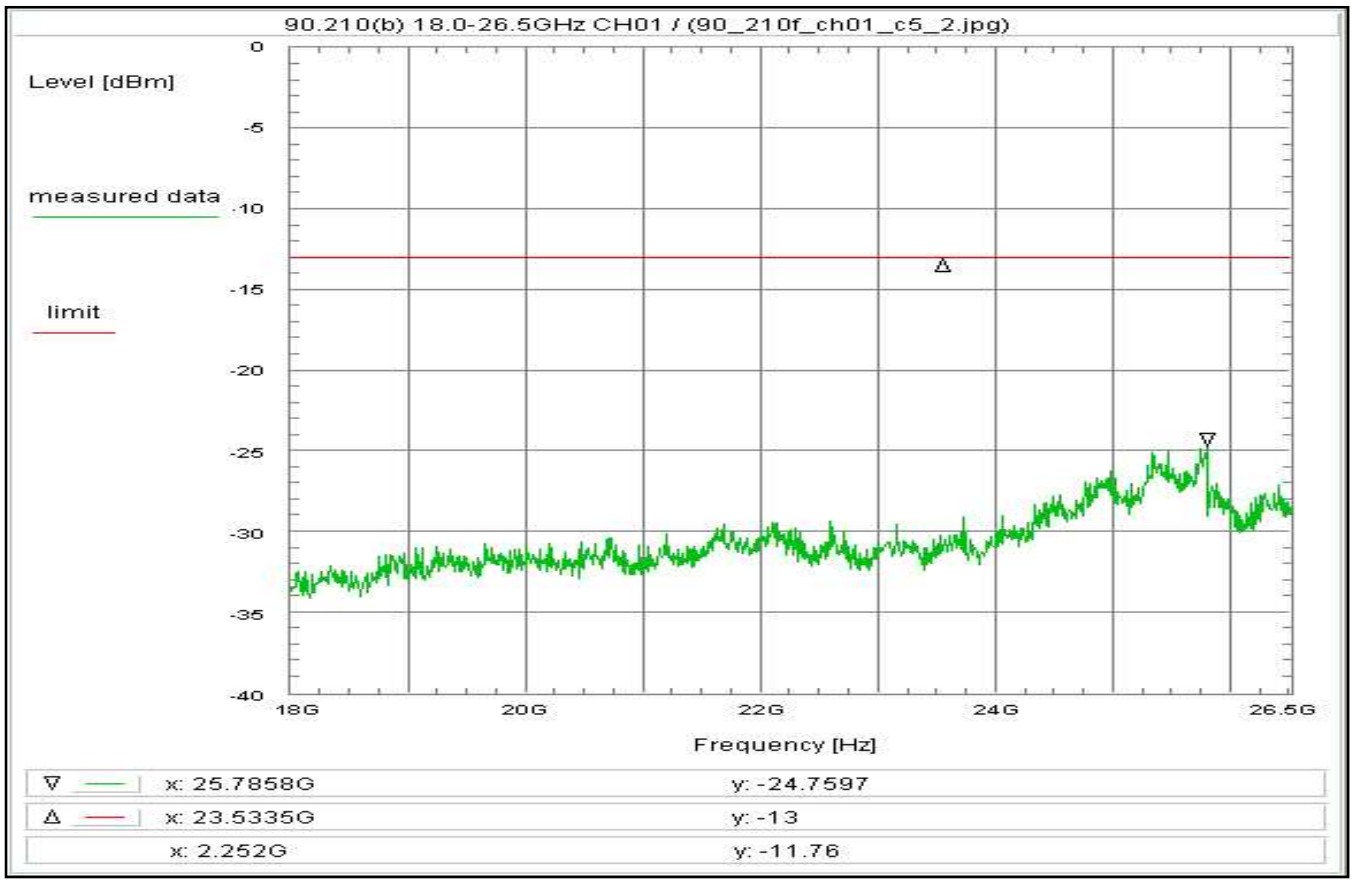
Start frequency:	18	GHz
Stop frequency:	26.5	GHz
Center frequency:	22.25	GHz
Frequency span:	8.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.3	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
Filter	+	0.0	dB
Attenuator (U979)	+	31.4	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	37.6	dB

Remarks:
CH01, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 60



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 18 - 26.5 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:45:32	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

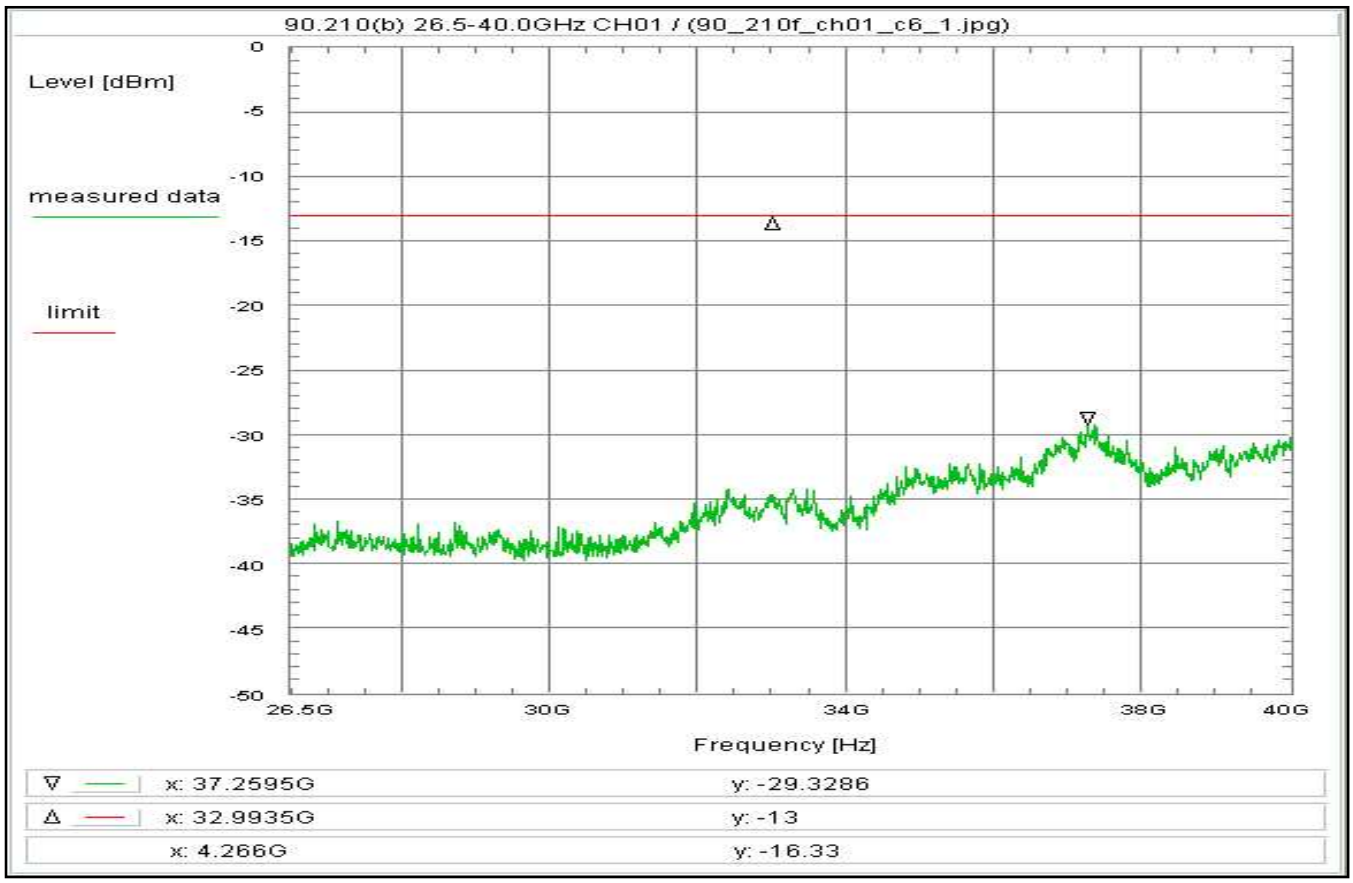
Start frequency:	18	GHz
Stop frequency:	26.5	GHz
Center frequency:	22.25	GHz
Frequency span:	8.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	31.4	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	37.6	dB

Remarks:
CH01, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 61



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 26.5 - 40 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:17:57	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

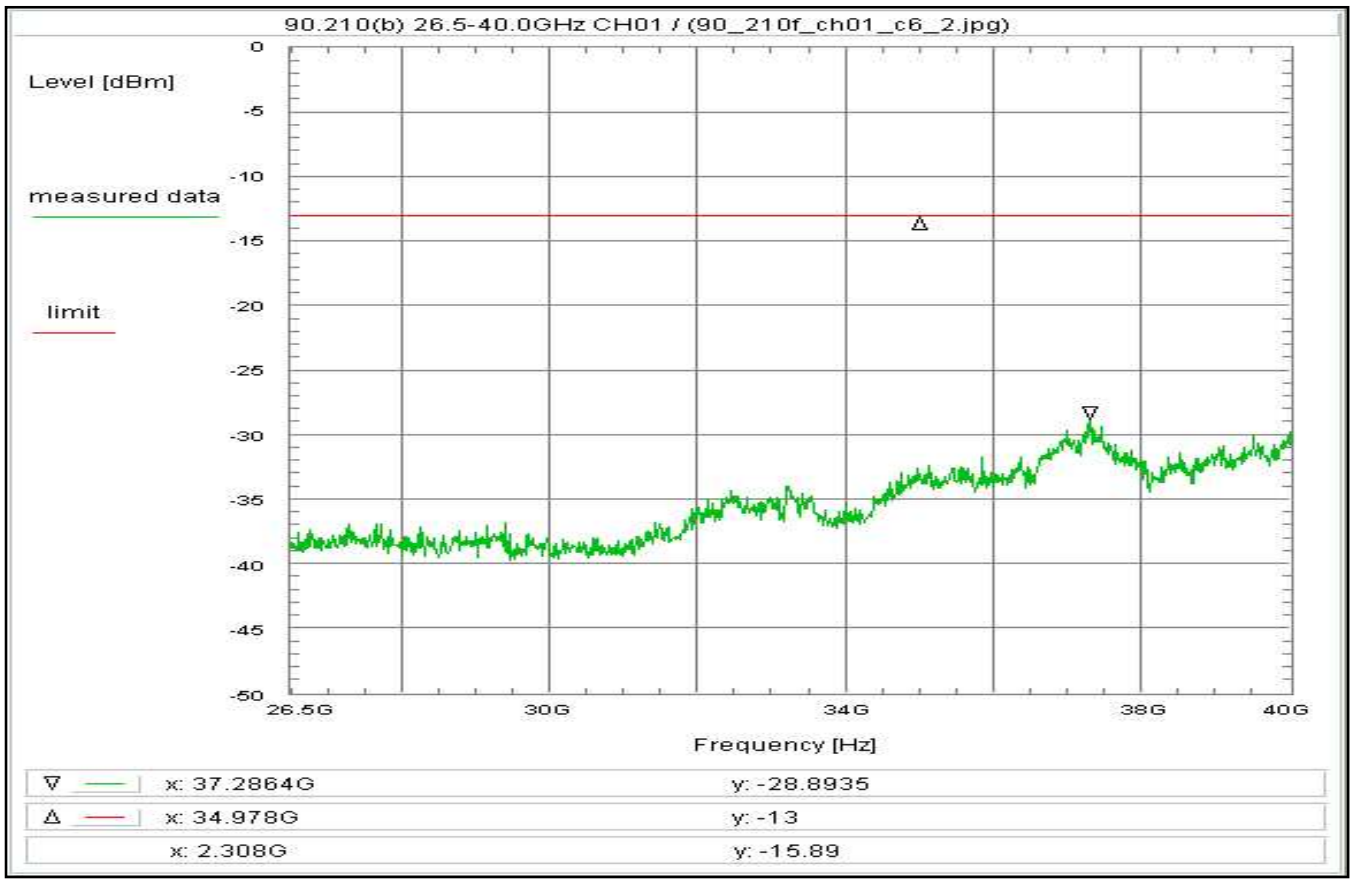
Start frequency:	26.5	GHz
Stop frequency:	40	GHz
Center frequency:	33.25	GHz
Frequency span:	13.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	0	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.9	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
Filter	+	0.0	dB
Attenuator (U979)	+	32.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	39.1	dB

Remarks:
CH01, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 62



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 26.5 - 40 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH01, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:46:12	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

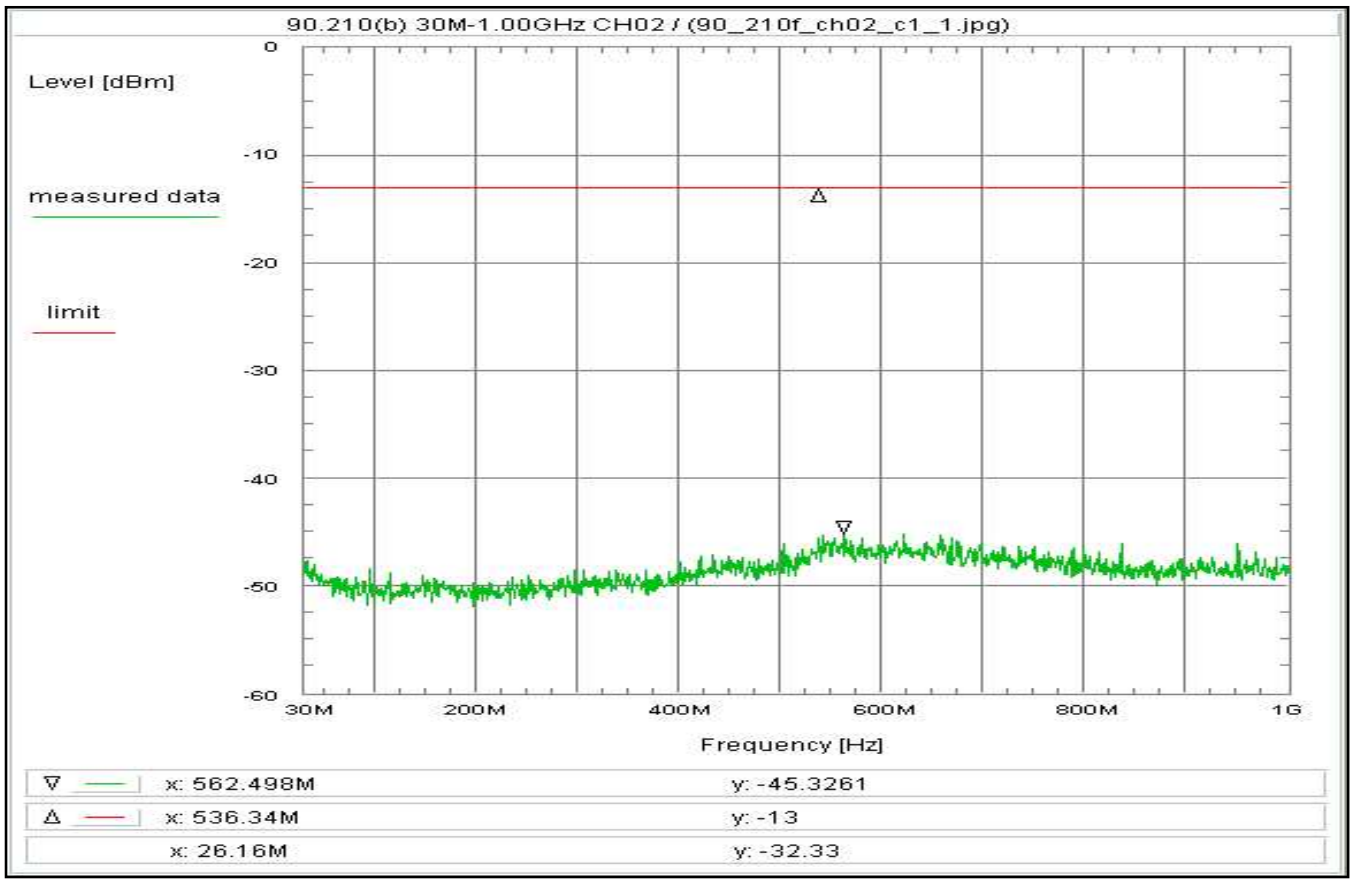
Start frequency:	26.5	GHz
Stop frequency:	40	GHz
Center frequency:	33.25	GHz
Frequency span:	13.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	0	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.9	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	32.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	39.1	dB

Remarks:
CH01, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 63



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 30 MHz - 1 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:23:29
Location:	IBL-Lab GmbH, RF-Lab
Temperature:	23 °C
Humidity:	25 %
Voltage:	115 Vac

Setup of measurement equipment:

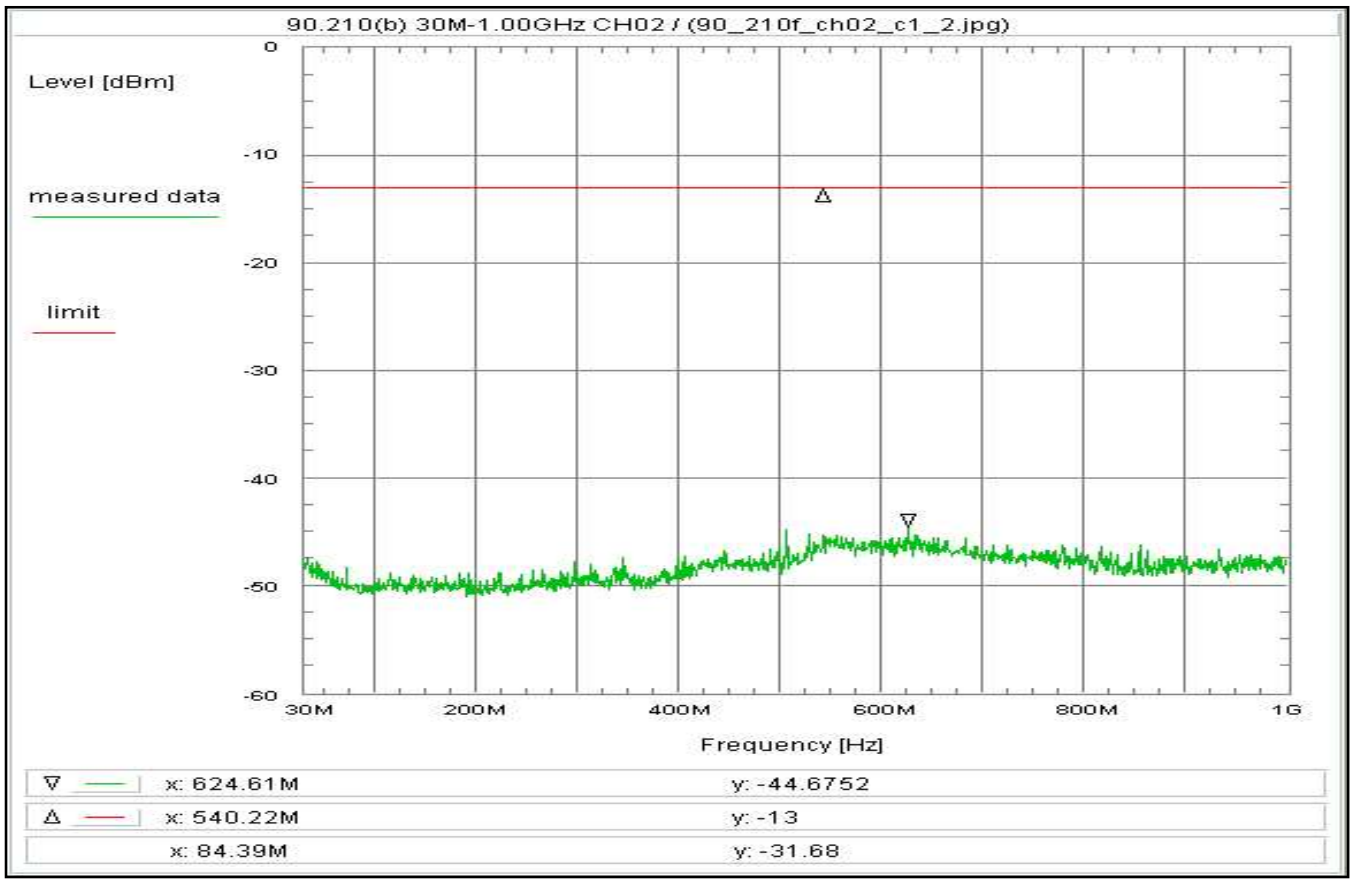
Start frequency:	30	MHz
Stop frequency:	1	GHz
Center frequency:	515	MHz
Frequency span:	970	MHz
Resolution-BW:	100	kHz
Video-BW:	300	kHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	0.3	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
Filter	+	0.0	dB
Attenuator (U979)	+	29.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	33.5	dB

Remarks:
CH02, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 64



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 30 MHz - 1 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:49:02	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

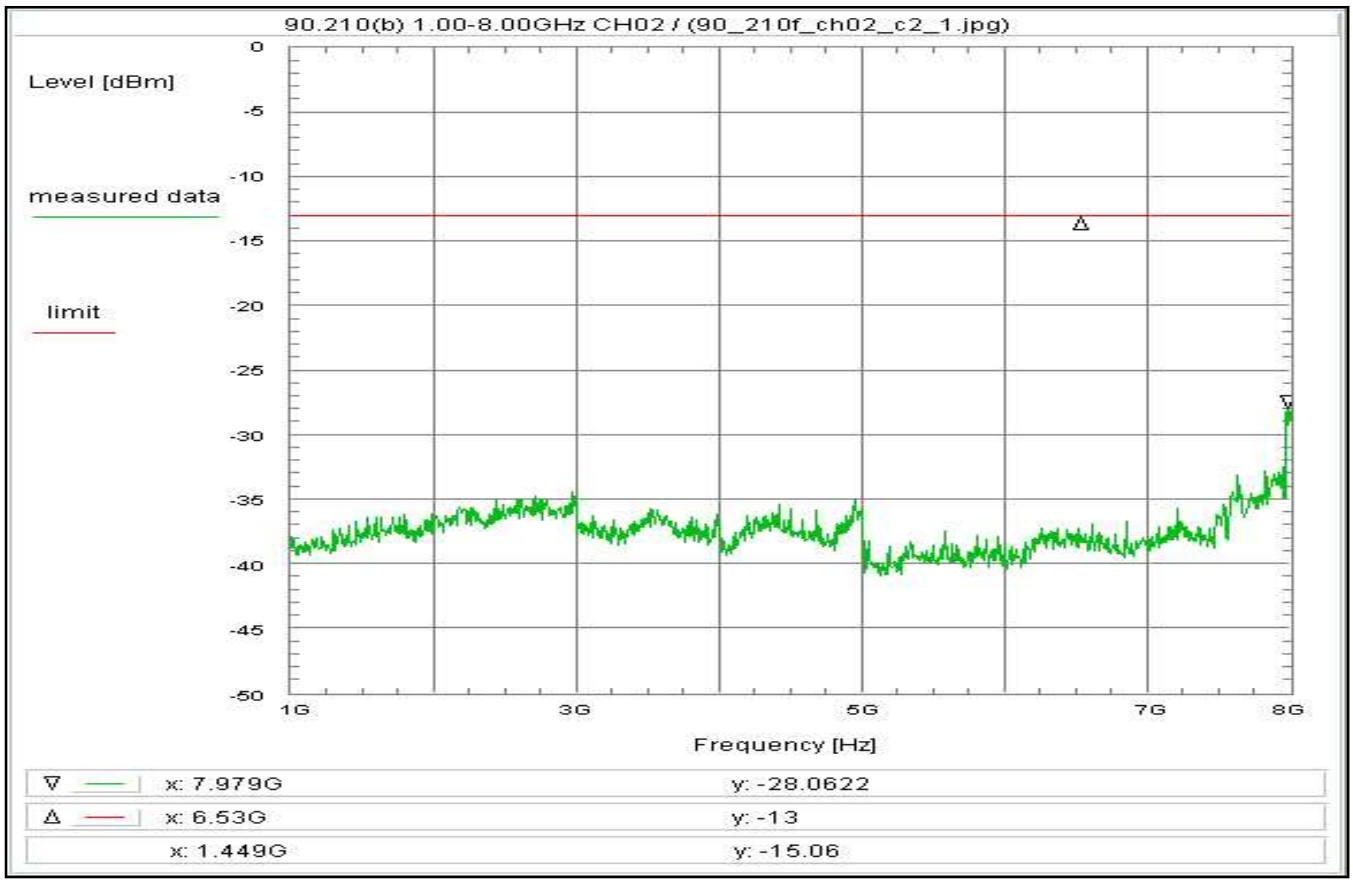
Start frequency:	30	MHz
Stop frequency:	1	GHz
Center frequency:	515	MHz
Frequency span:	970	MHz
Resolution-BW:	100	kHz
Video-BW:	300	kHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	0.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	33.5	dB

Remarks:
CH02, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 65



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 1 - 8 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:24:03	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

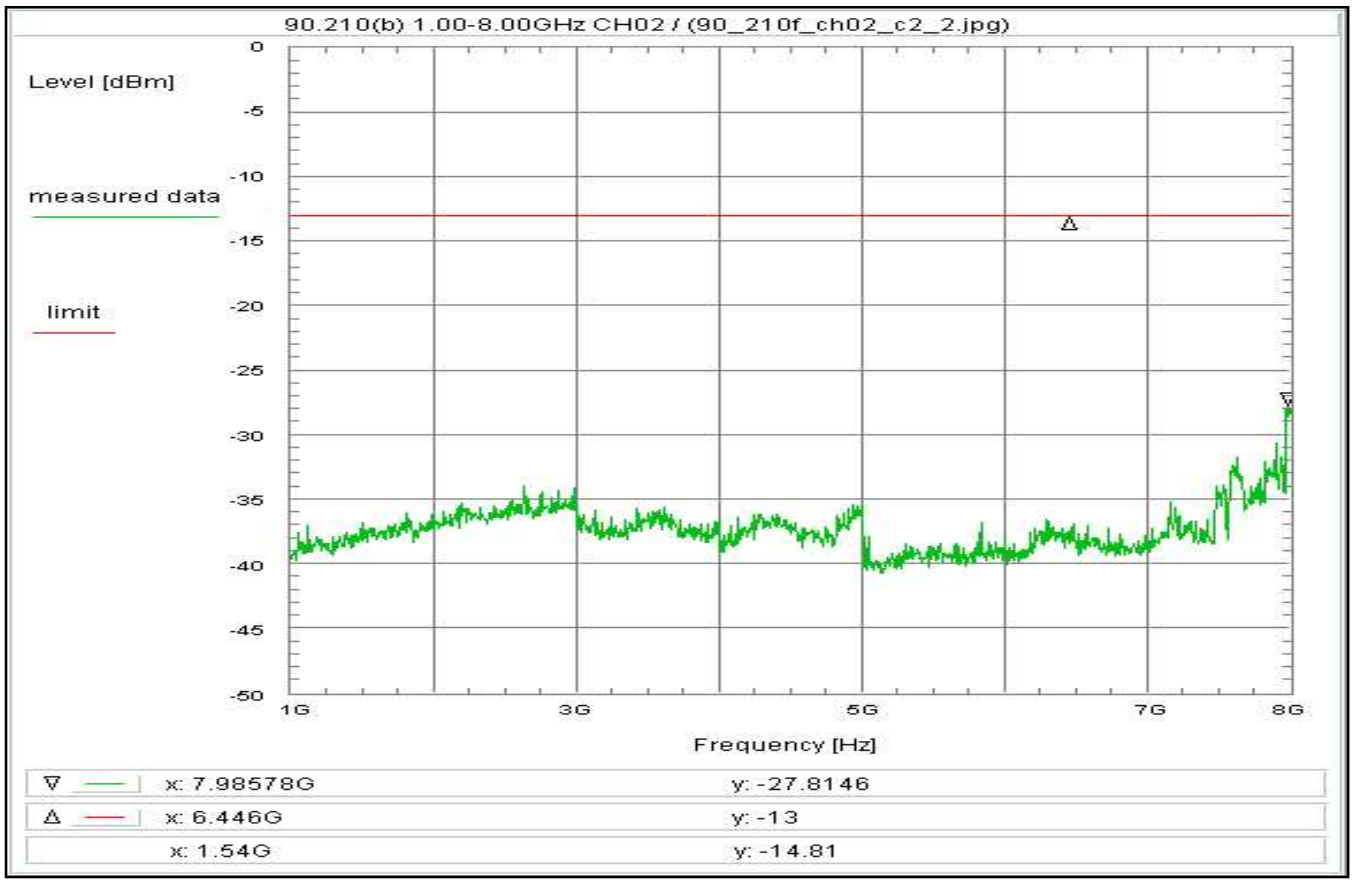
Start frequency:	1	GHz
Stop frequency:	8	GHz
Center frequency:	4.5	GHz
Frequency span:	7	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.0	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
Filter	+	0.0	dB
Attenuator (U979)	+	29.9	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	34.8	dB

Remarks:
CH02, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 66



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 1 - 8 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:49:40	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

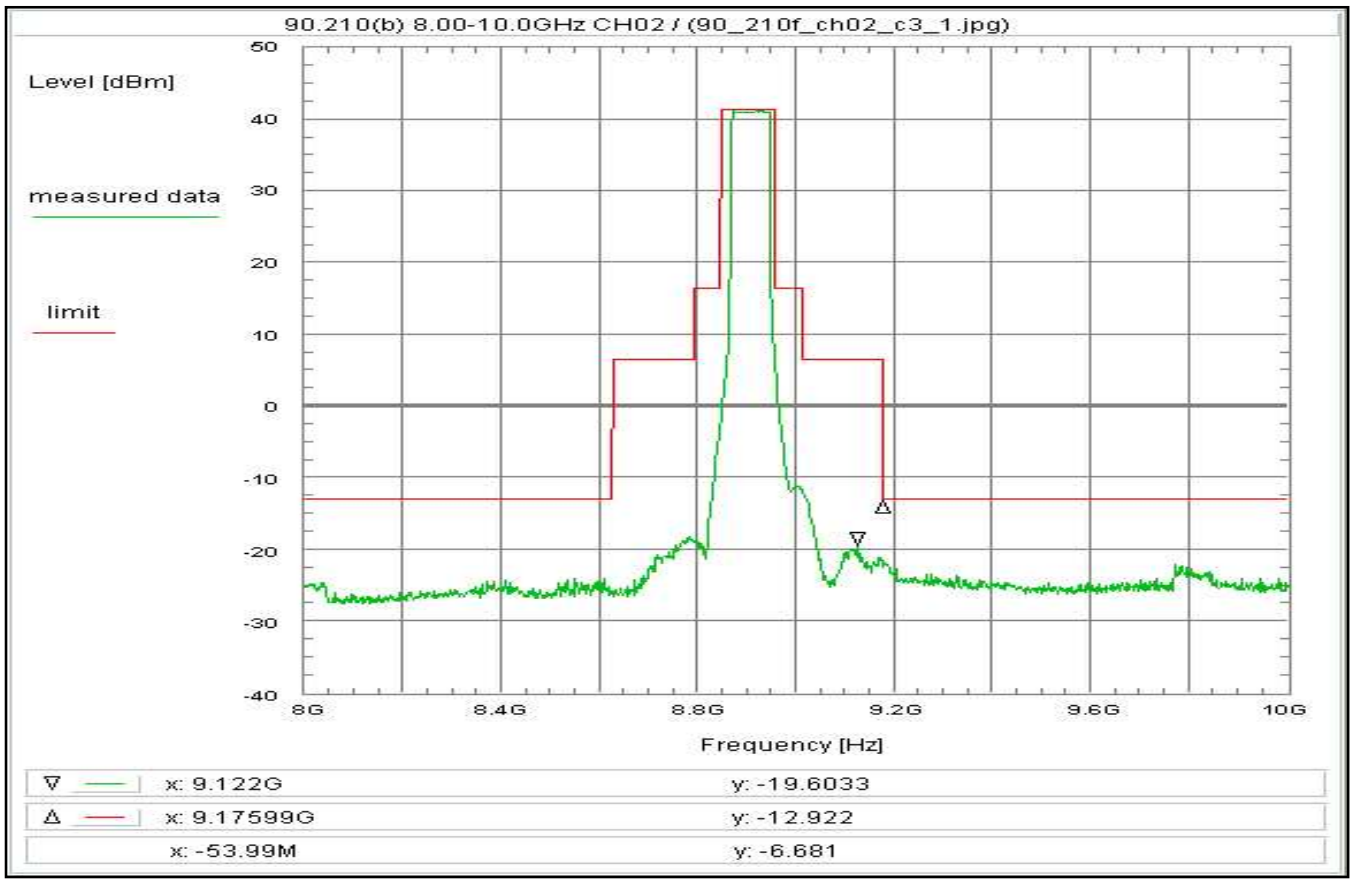
Start frequency:	1	GHz
Stop frequency:	8	GHz
Center frequency:	4.5	GHz
Frequency span:	7	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.0	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.9	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	34.8	dB

Remarks:
CH02, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 67



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 8 - 10 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:22:40	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

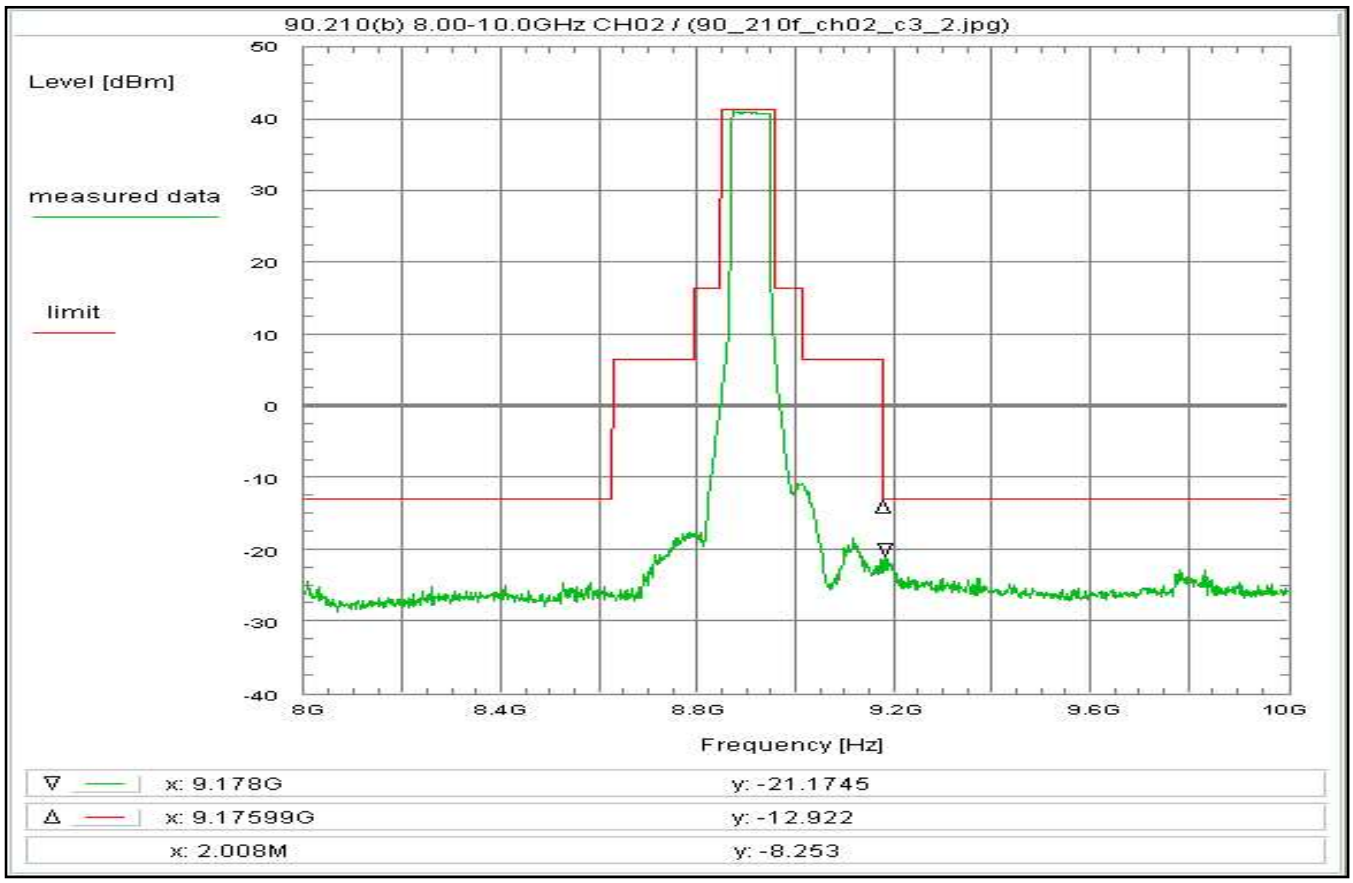
Start frequency:	8	GHz
Stop frequency:	10	GHz
Center frequency:	9	GHz
Frequency span:	2	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.5	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
Filter	+	0.0	dB
Attenuator (U979)	+	30.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	35.7	dB

Remarks:
CH02, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 68



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 8 - 10 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:47:45	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

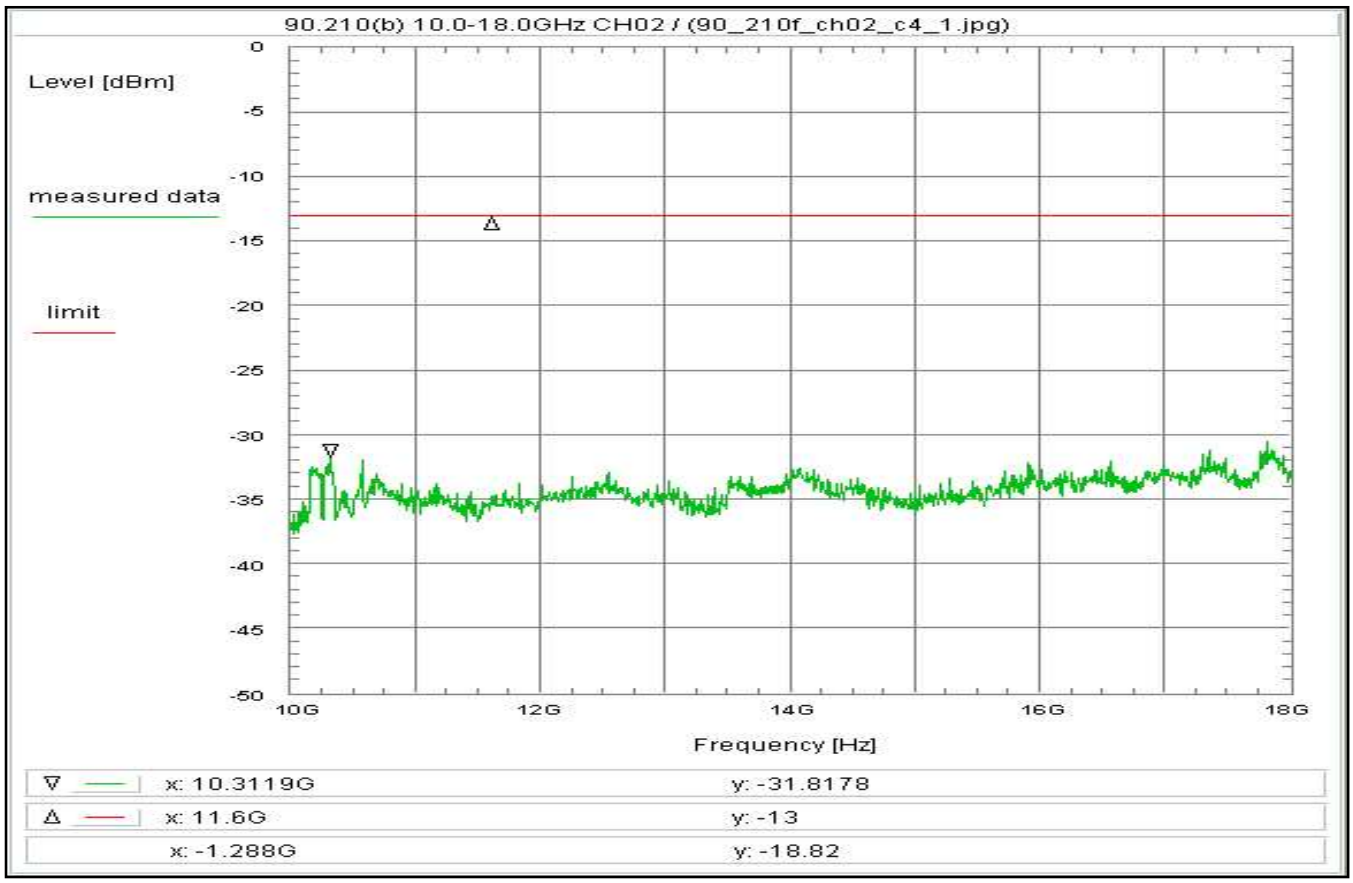
Start frequency:	8	GHz
Stop frequency:	10	GHz
Center frequency:	9	GHz
Frequency span:	2	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.5	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	35.7	dB

Remarks:
CH02, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 69



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 10 - 18 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:24:43	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

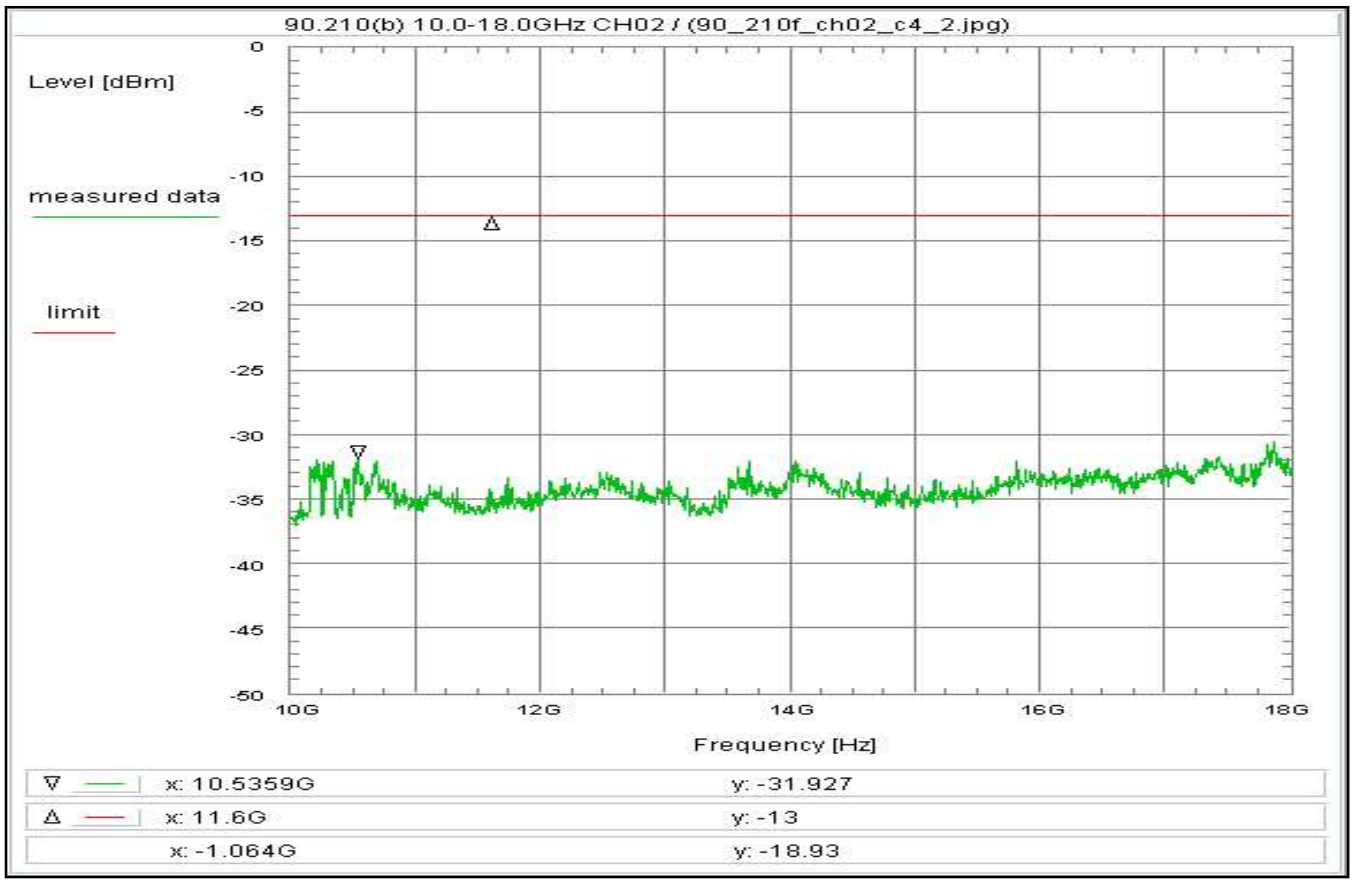
Start frequency:	10	GHz
Stop frequency:	18	GHz
Center frequency:	14	GHz
Frequency span:	8	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.8	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
Filter	+	0.0	dB
Attenuator (U979)	+	30.7	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	36.4	dB

Remarks:
CH02, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 70



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 10 - 18 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:50:28	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

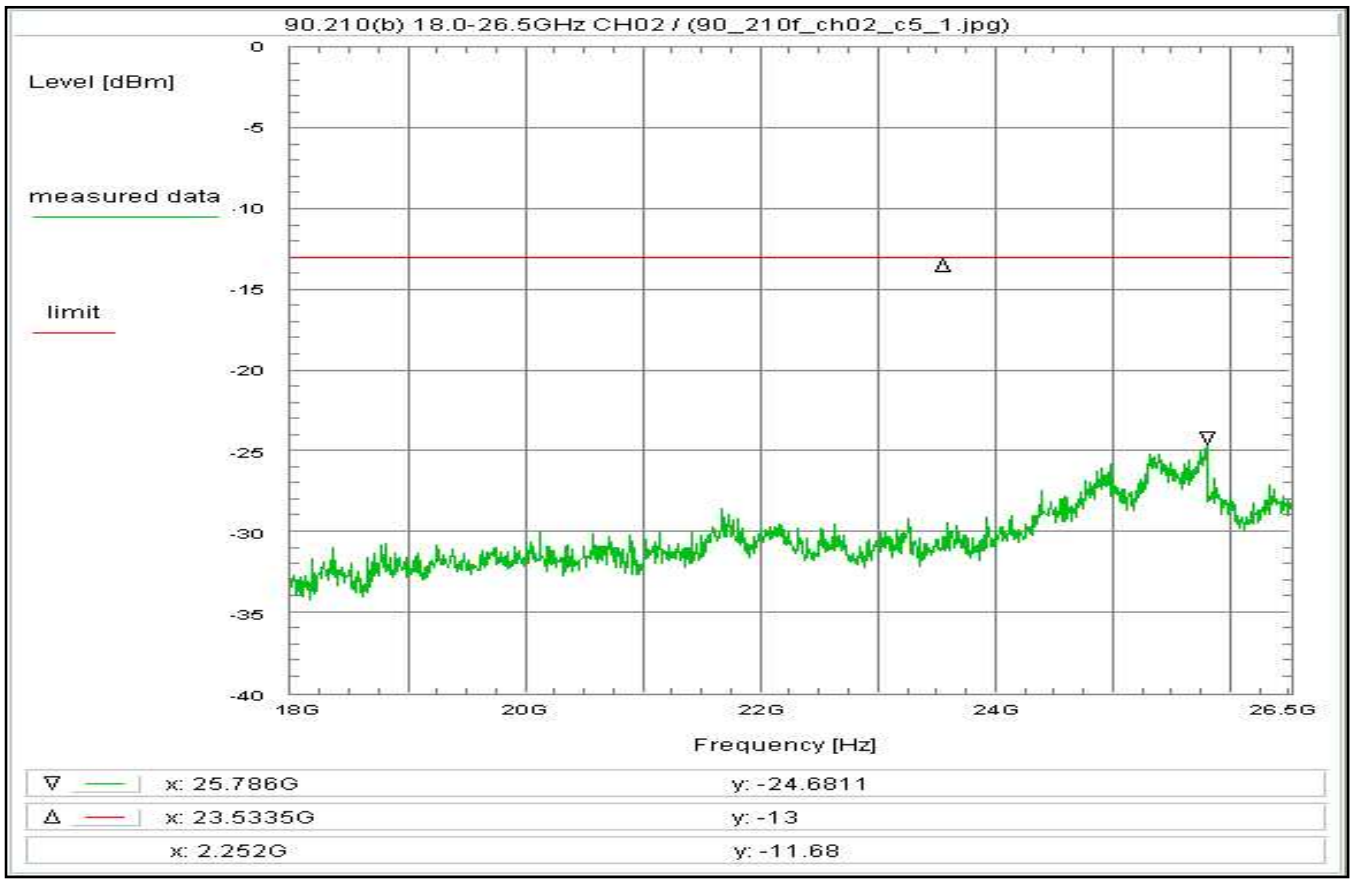
Start frequency:	10	GHz
Stop frequency:	18	GHz
Center frequency:	14	GHz
Frequency span:	8	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.8	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.7	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	36.4	dB

Remarks:
CH02, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 71



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 18 - 26.5 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:25:30	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

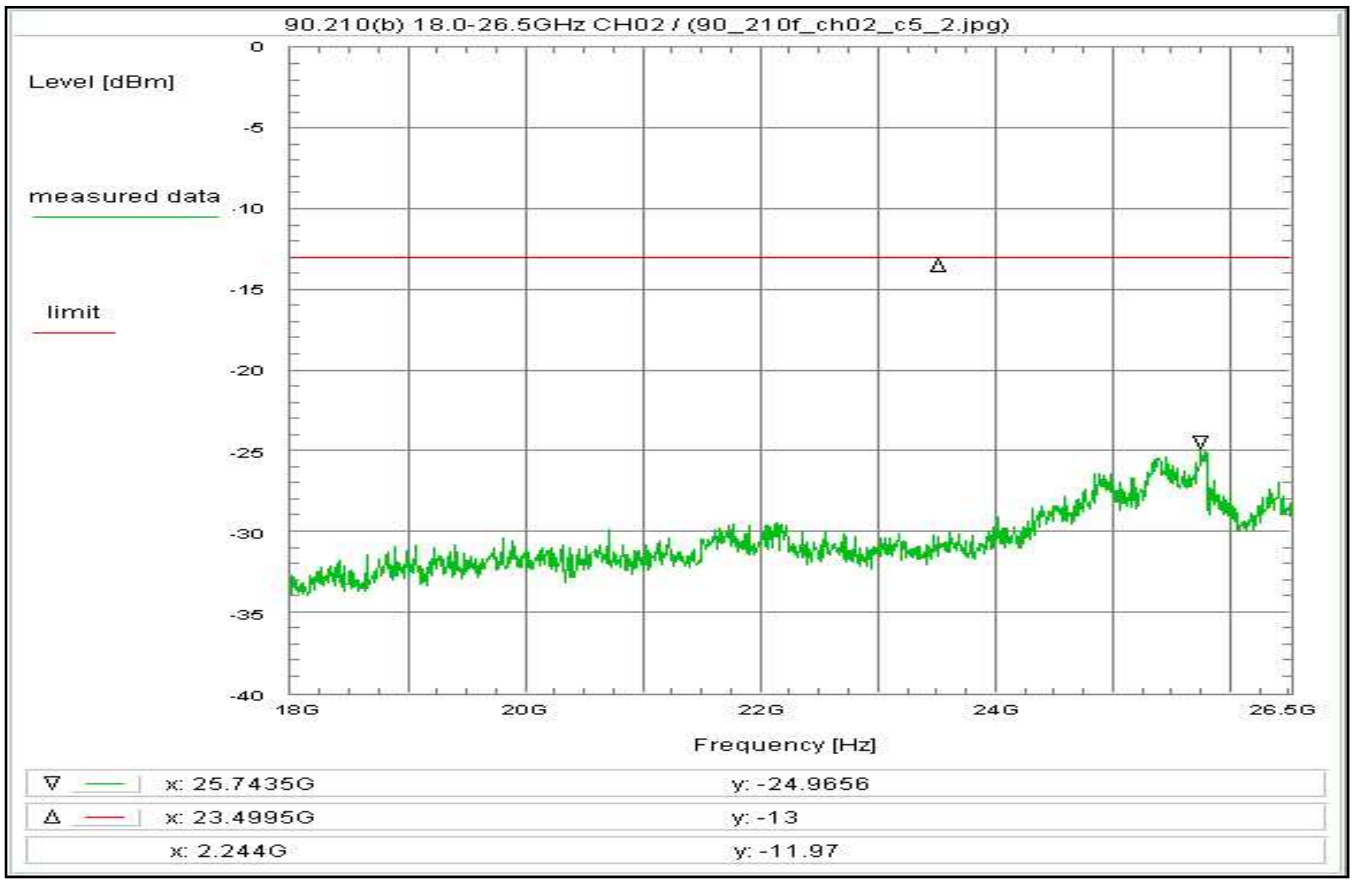
Start frequency:	18	GHz
Stop frequency:	26.5	GHz
Center frequency:	22.25	GHz
Frequency span:	8.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.3	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
Filter	+	0.0	dB
Attenuator (U979)	+	31.4	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	37.6	dB

Remarks:
CH02, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 72



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 18 - 26.5 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:51:06	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

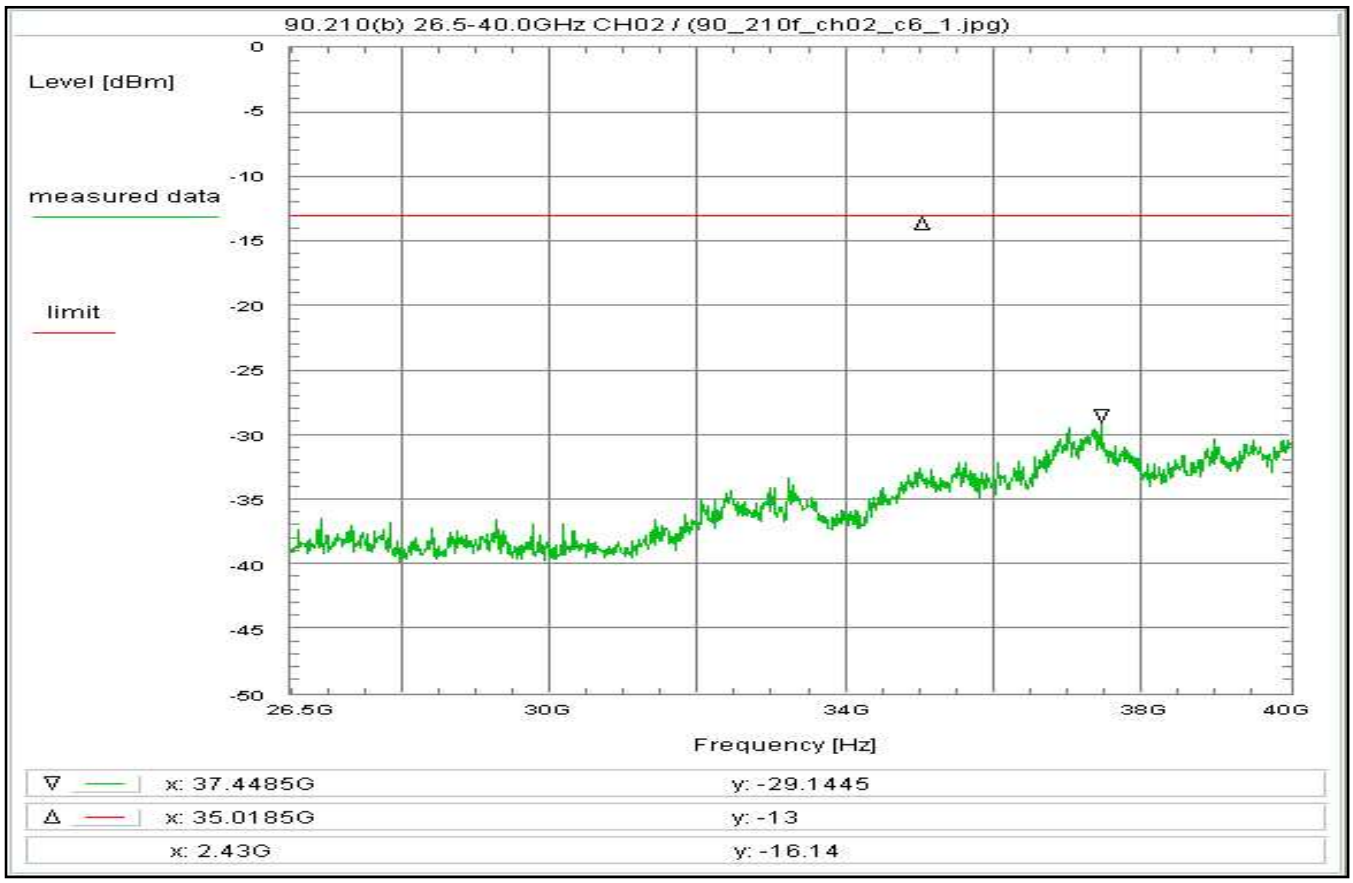
Start frequency:	18	GHz
Stop frequency:	26.5	GHz
Center frequency:	22.25	GHz
Frequency span:	8.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	31.4	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	37.6	dB

Remarks:
CH02, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 73



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 26.5 - 40 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:26:06	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

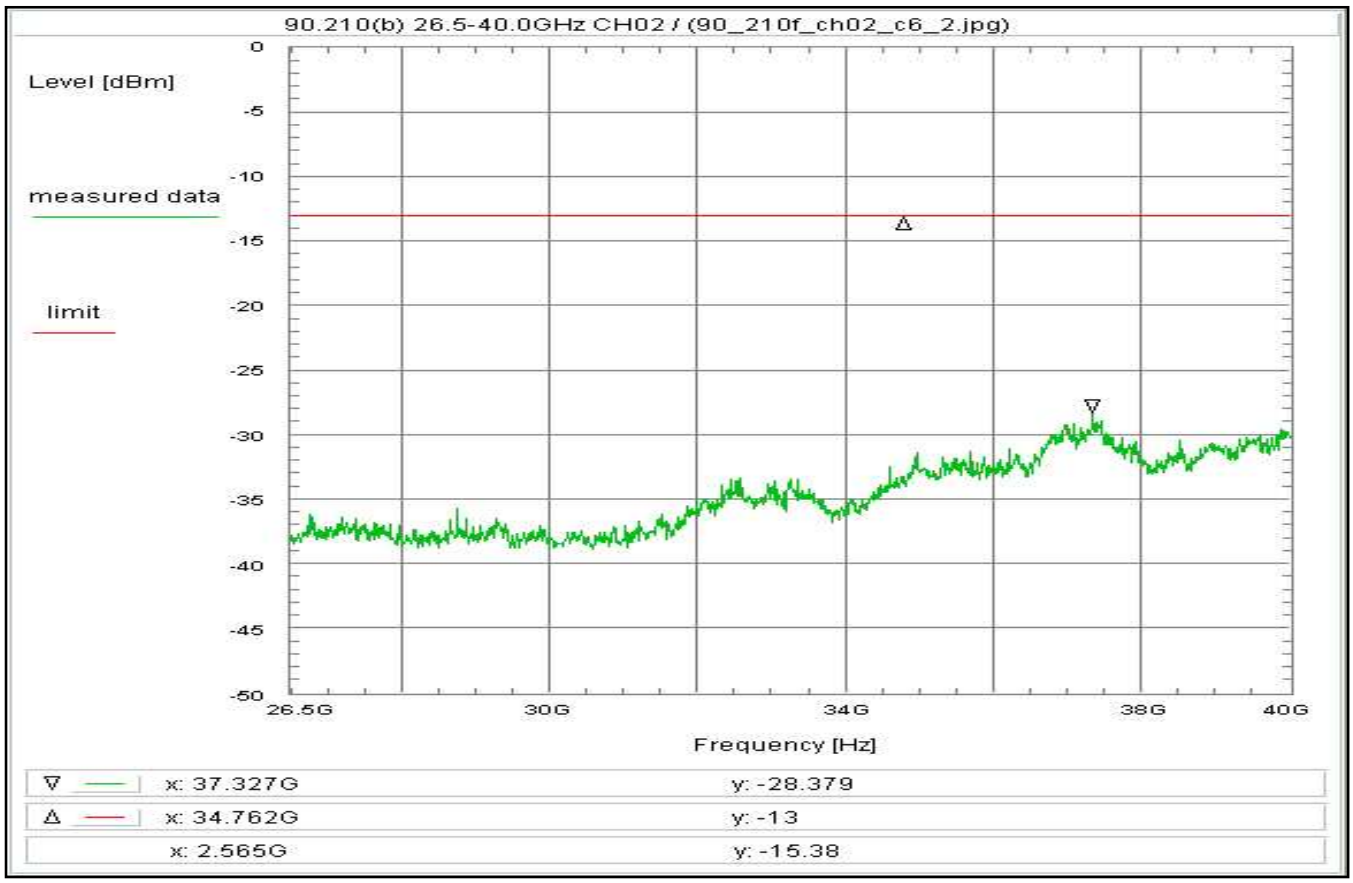
Start frequency:	26.5	GHz
Stop frequency:	40	GHz
Center frequency:	33.25	GHz
Frequency span:	13.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	0	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.9	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
Filter	+	0.0	dB
Attenuator (U979)	+	32.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	39.1	dB

Remarks:
CH02, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 74



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 26.5 - 40 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH02, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:53:58	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

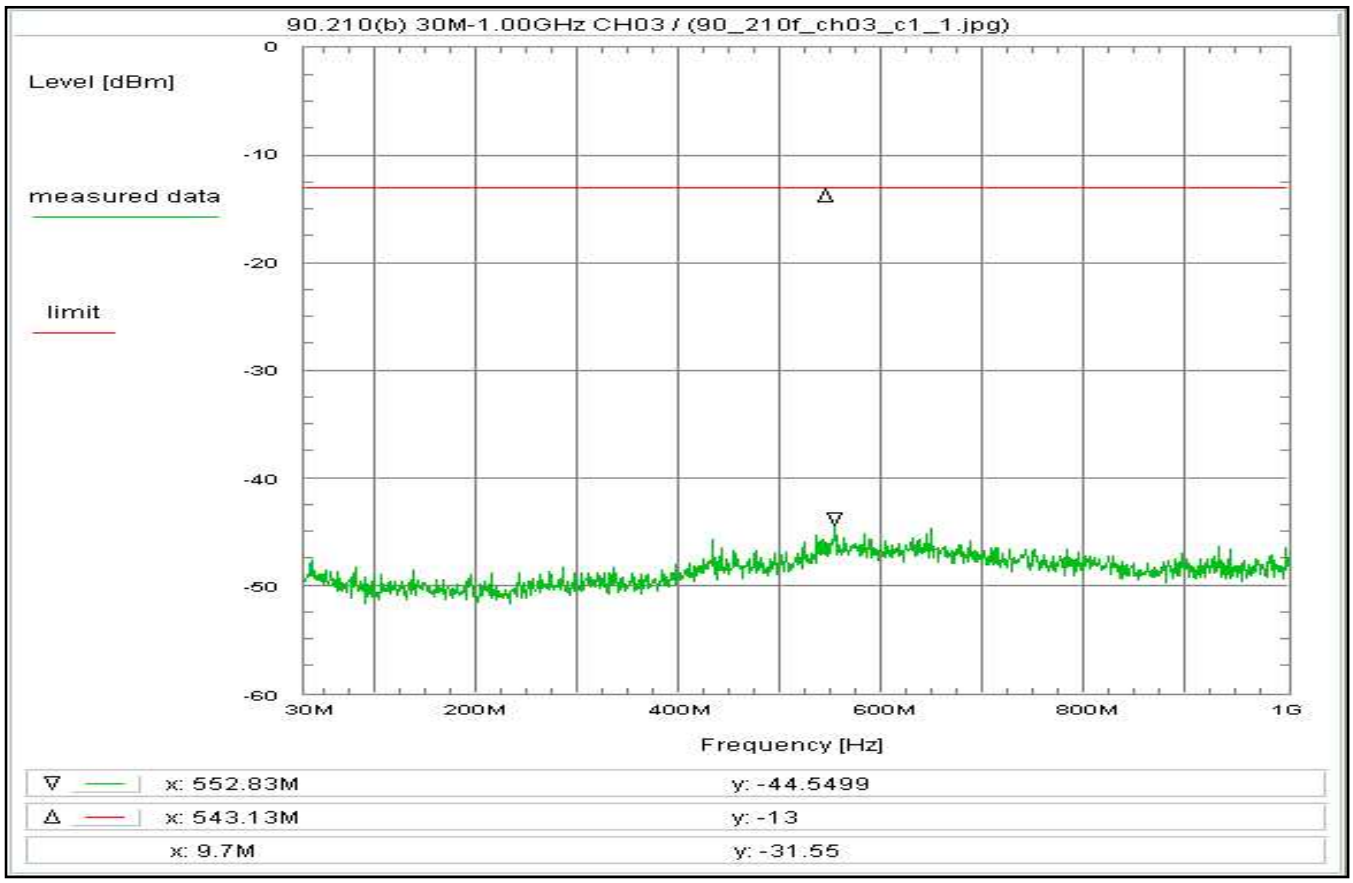
Start frequency:	26.5	GHz
Stop frequency:	40	GHz
Center frequency:	33.25	GHz
Frequency span:	13.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	0	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.9	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	32.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	39.1	dB

Remarks:
CH02, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 75



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 30 MHz - 1 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:31:13
Location:	IBL-Lab GmbH, RF-Lab
Temperature:	23 °C
Humidity:	25 %
Voltage:	115 Vac

Setup of measurement equipment:

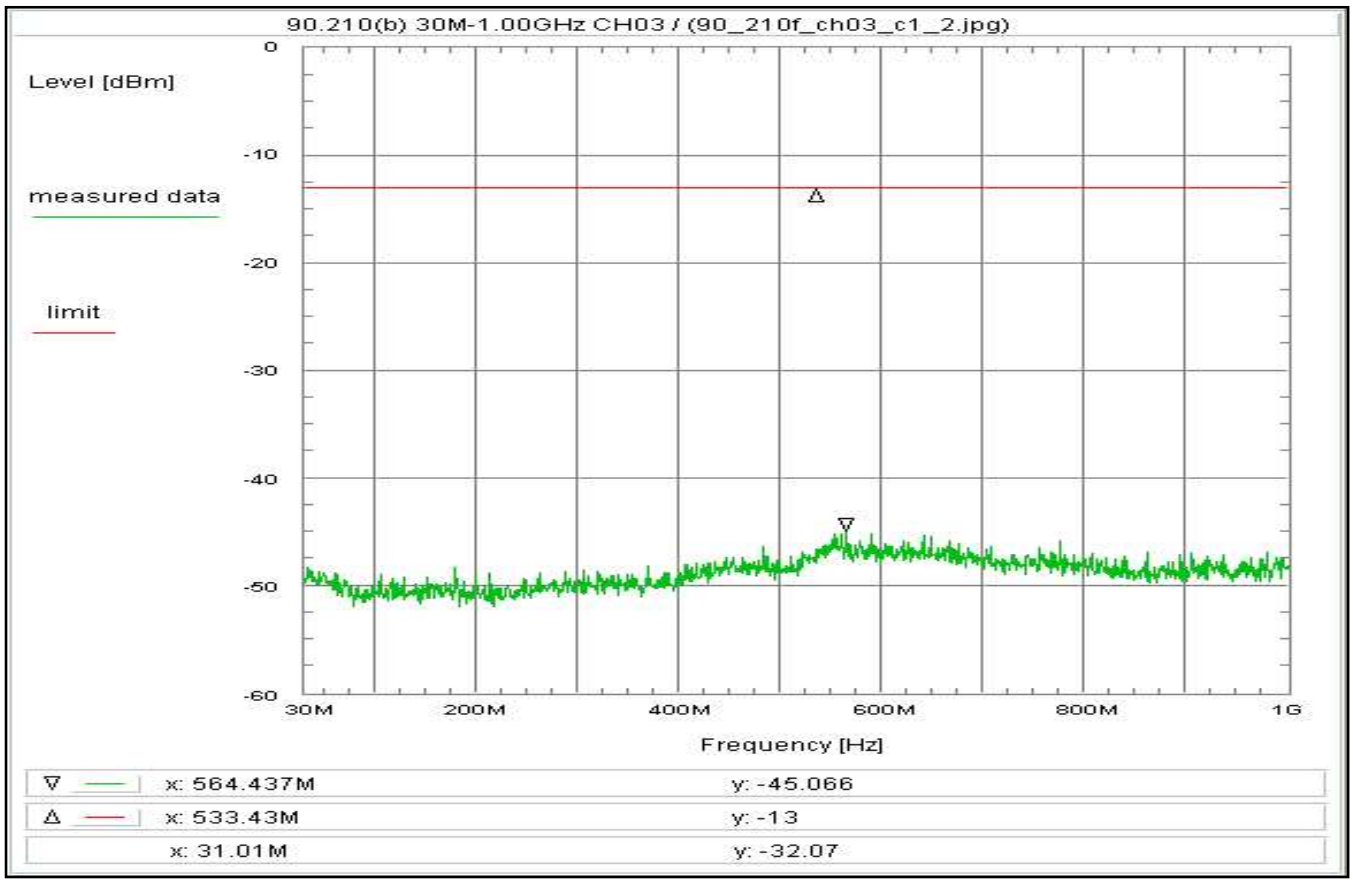
Start frequency:	30	MHz
Stop frequency:	1	GHz
Center frequency:	515	MHz
Frequency span:	970	MHz
Resolution-BW:	100	kHz
Video-BW:	300	kHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	0.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	33.5	dB

Remarks:
CH03, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 76



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 30 MHz - 1 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:56:50	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

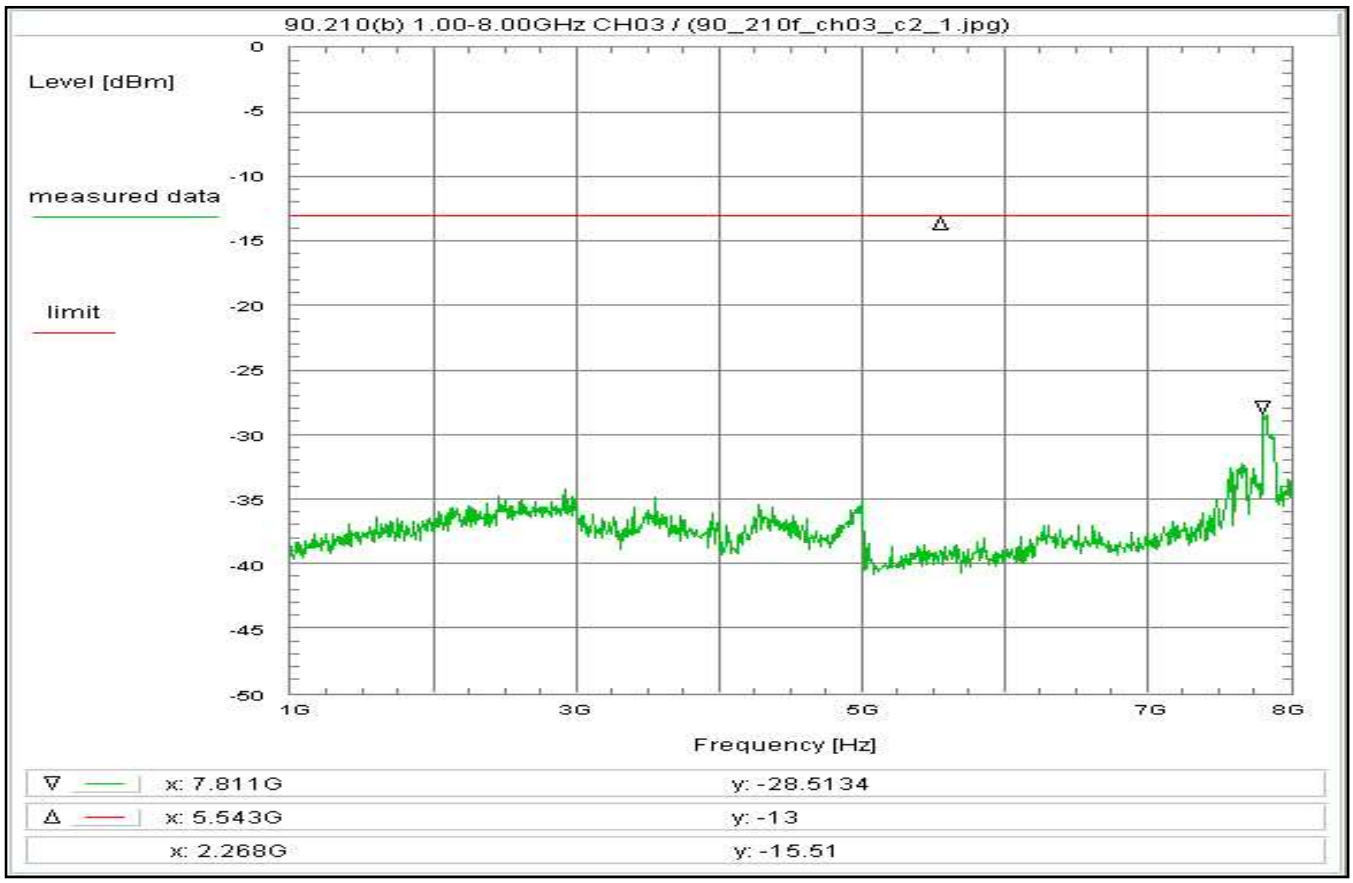
Start frequency:	30	MHz
Stop frequency:	1	GHz
Center frequency:	515	MHz
Frequency span:	970	MHz
Resolution-BW:	100	kHz
Video-BW:	300	kHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	0.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	33.5	dB

Remarks:
CH03, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 77



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 1 - 8 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:31:46	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

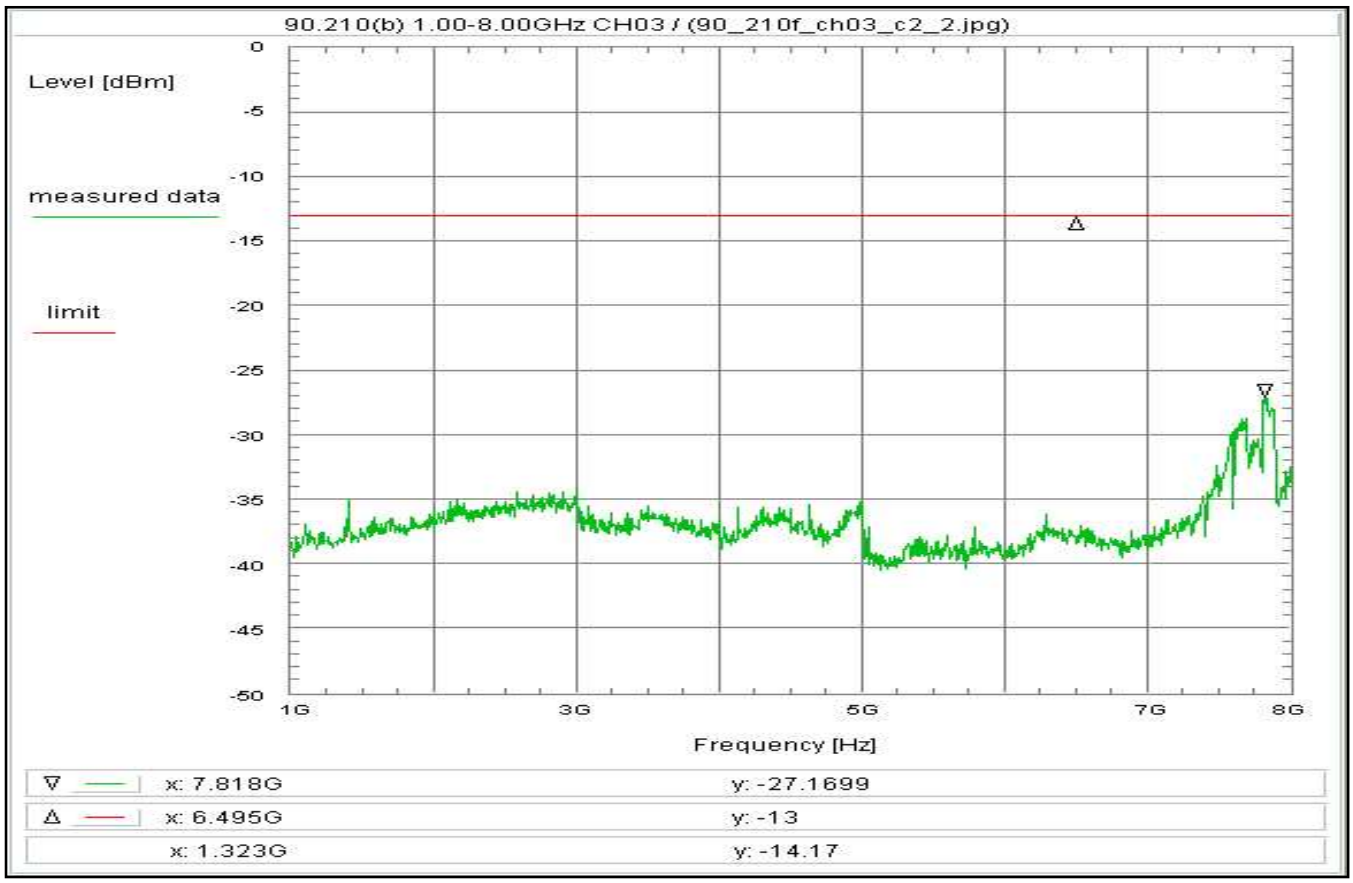
Start frequency:	1	GHz
Stop frequency:	8	GHz
Center frequency:	4.5	GHz
Frequency span:	7	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.0	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.9	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	34.8	dB

Remarks:
CH03, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 78



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 1 - 8 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:57:57	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

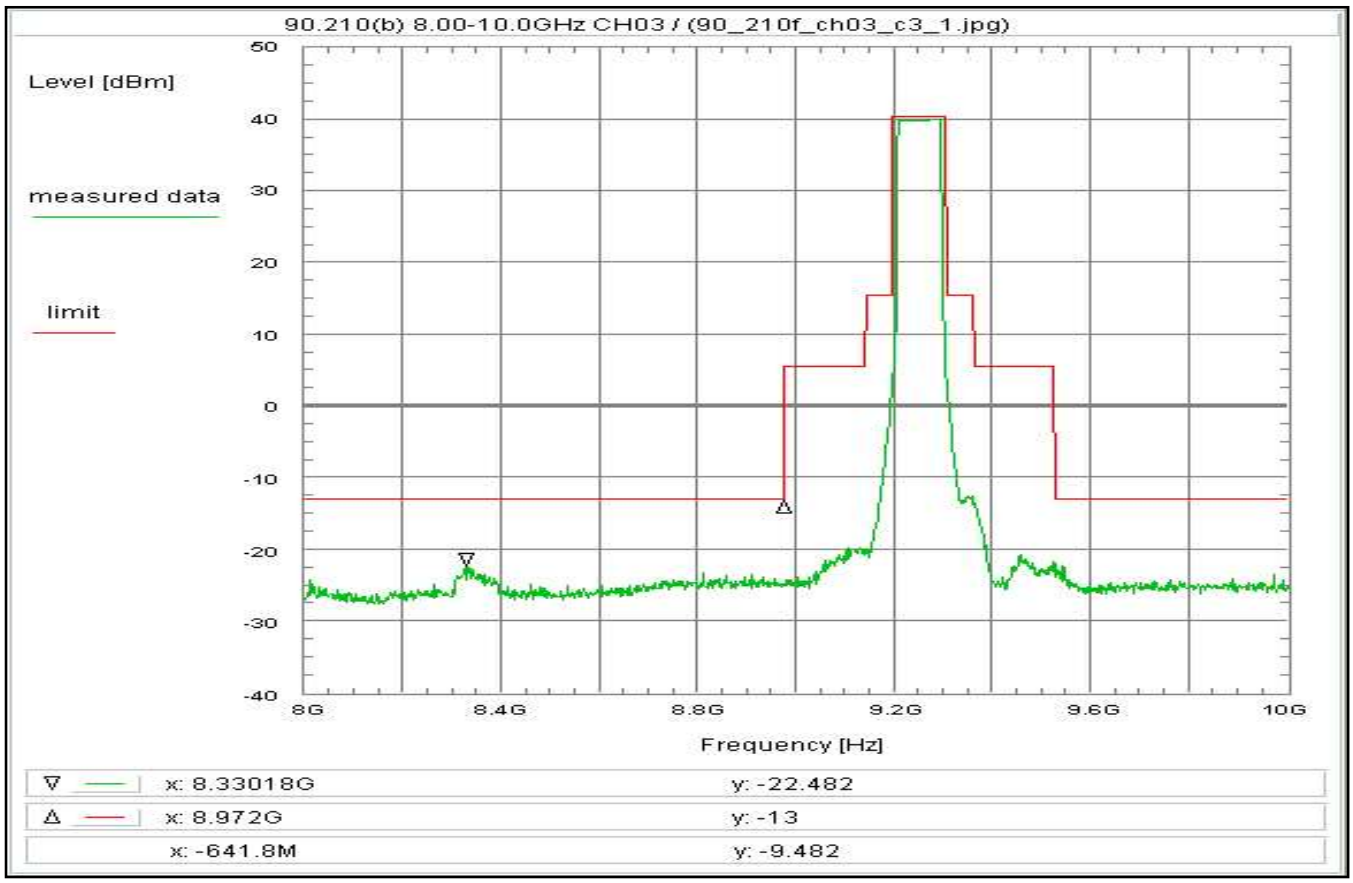
Start frequency:	1	GHz
Stop frequency:	8	GHz
Center frequency:	4.5	GHz
Frequency span:	7	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.0	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.9	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	34.8	dB

Remarks:
CH03, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 79



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 8 - 10 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:30:11	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

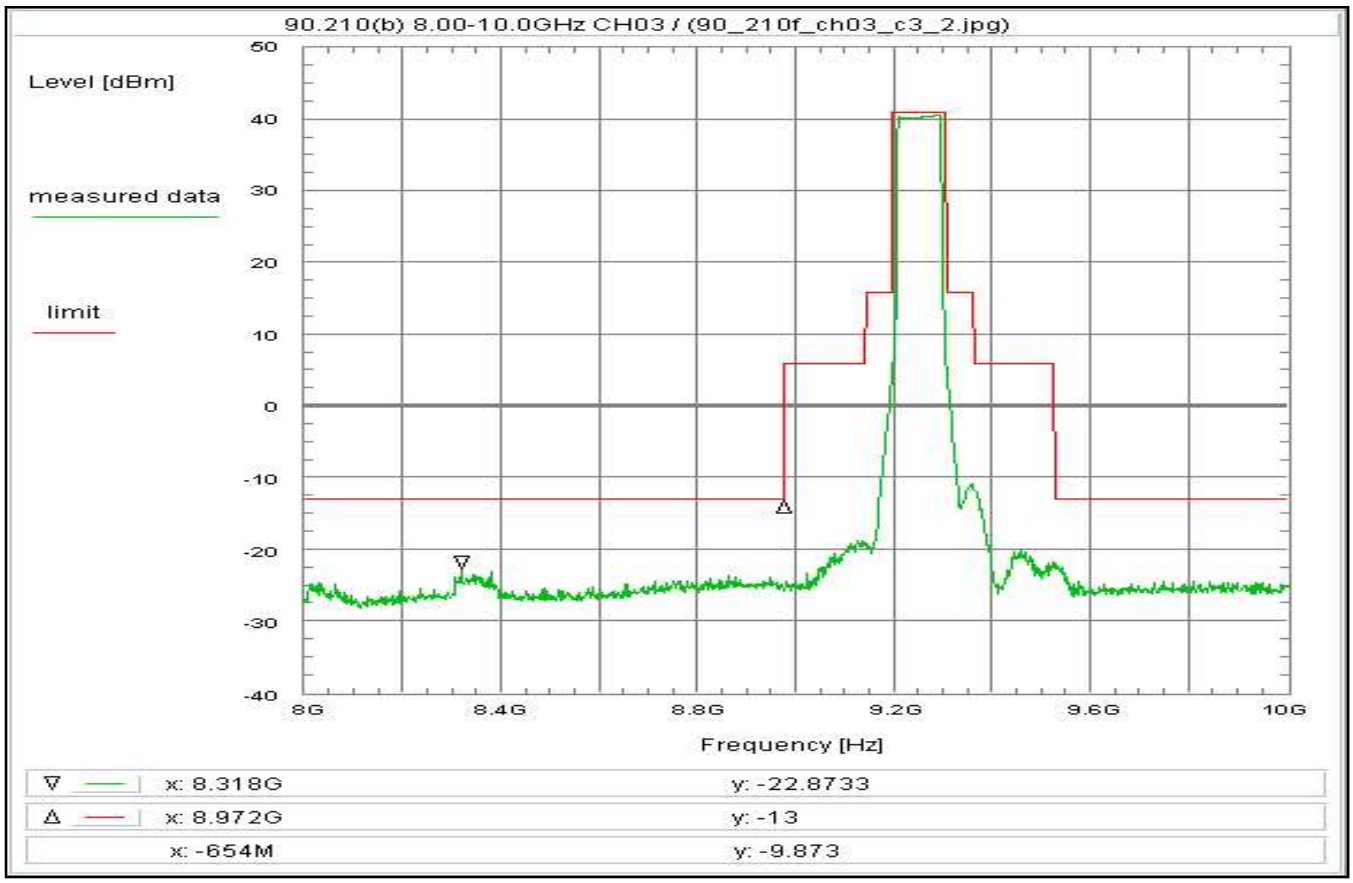
Start frequency:	8	GHz
Stop frequency:	10	GHz
Center frequency:	9	GHz
Frequency span:	2	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.5	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	35.7	dB

Remarks:
CH03, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 80



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 8 - 10 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:56:10	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

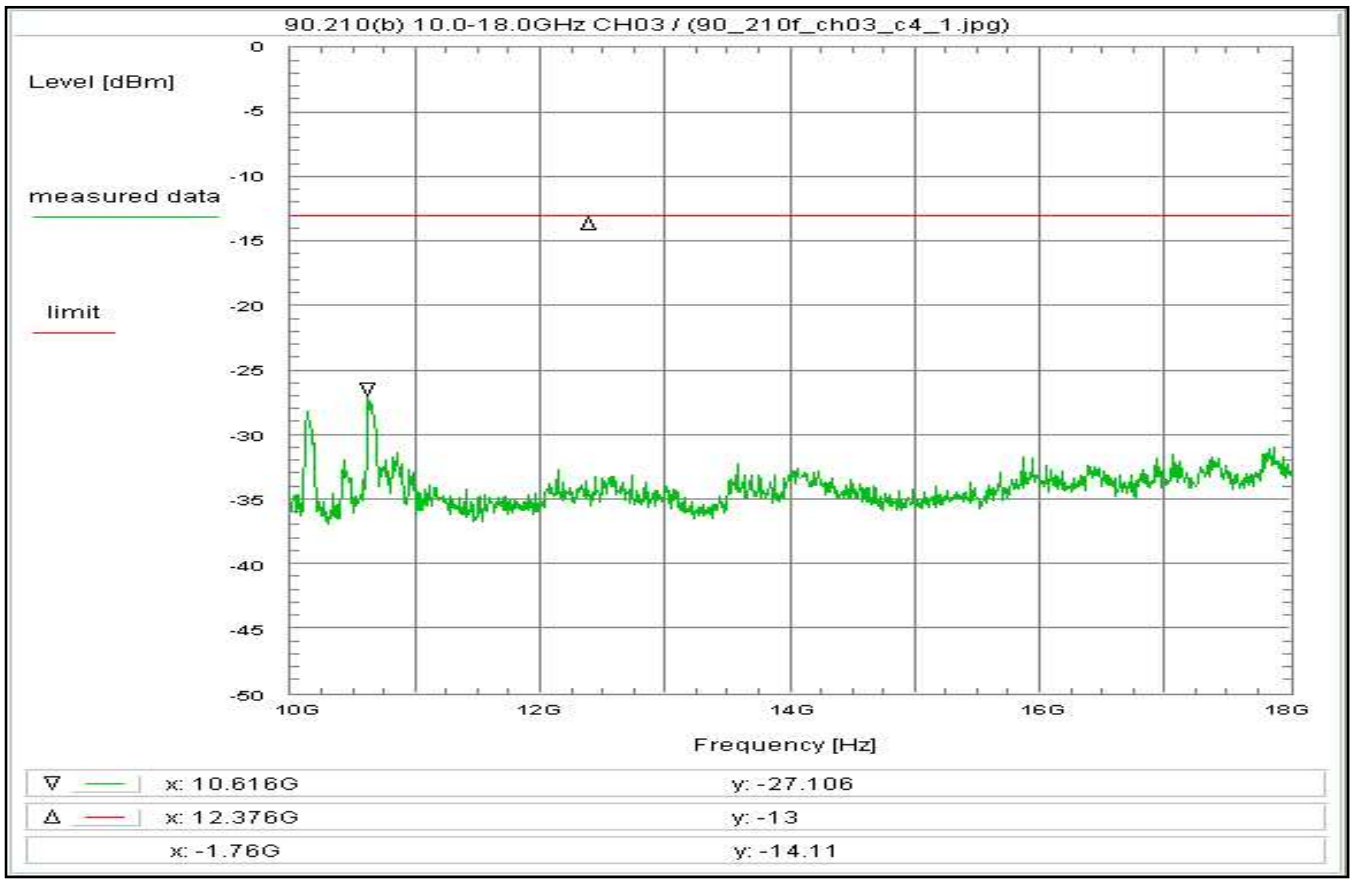
Start frequency:	8	GHz
Stop frequency:	10	GHz
Center frequency:	9	GHz
Frequency span:	2	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.5	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	35.7	dB

Remarks:
CH03, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 81



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 10 - 18 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:32:22	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

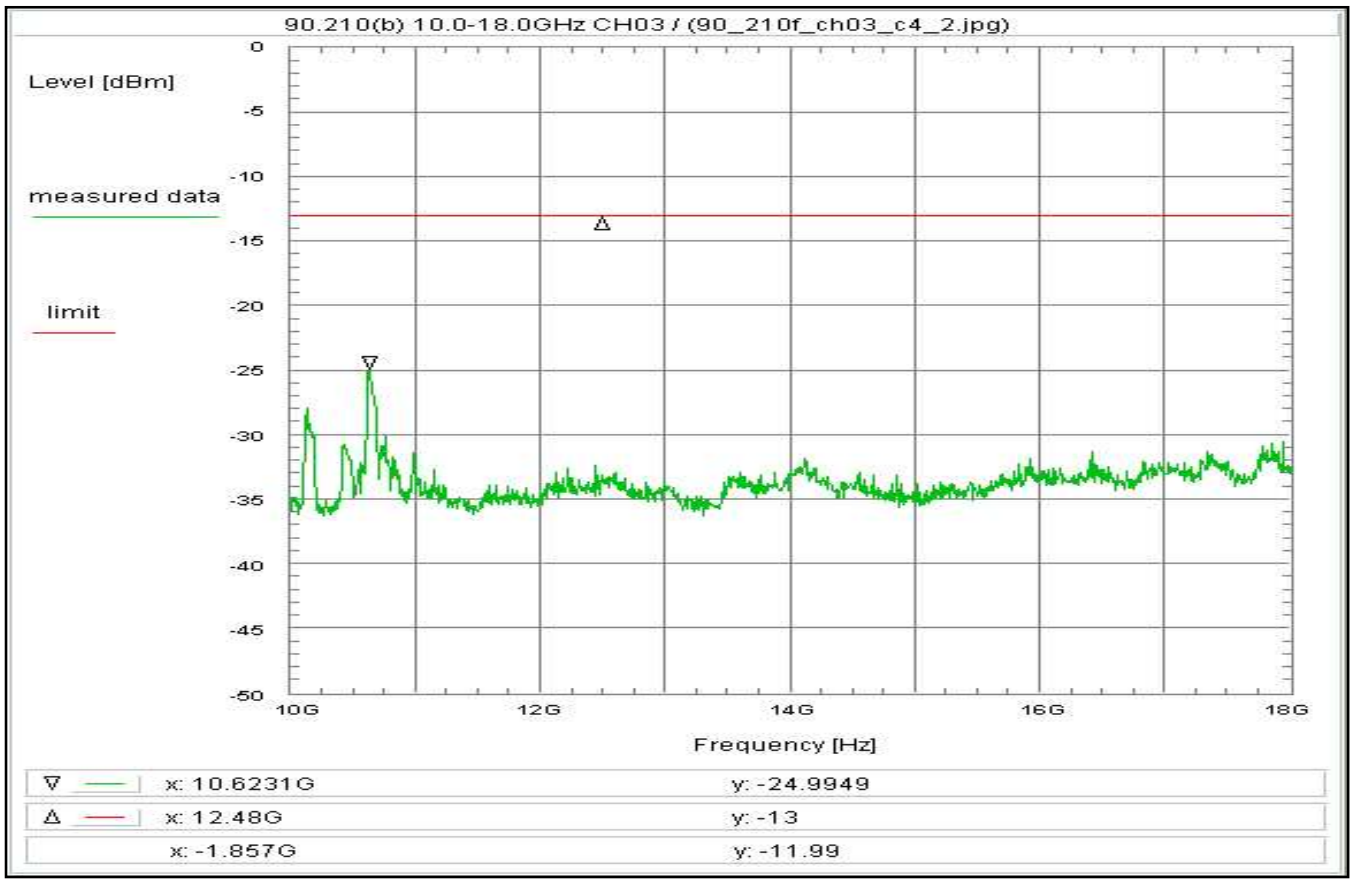
Start frequency:	10	GHz
Stop frequency:	18	GHz
Center frequency:	14	GHz
Frequency span:	8	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.8	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.7	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	36.4	dB

Remarks:
CH03, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 82



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 10 - 18 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:59:10	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

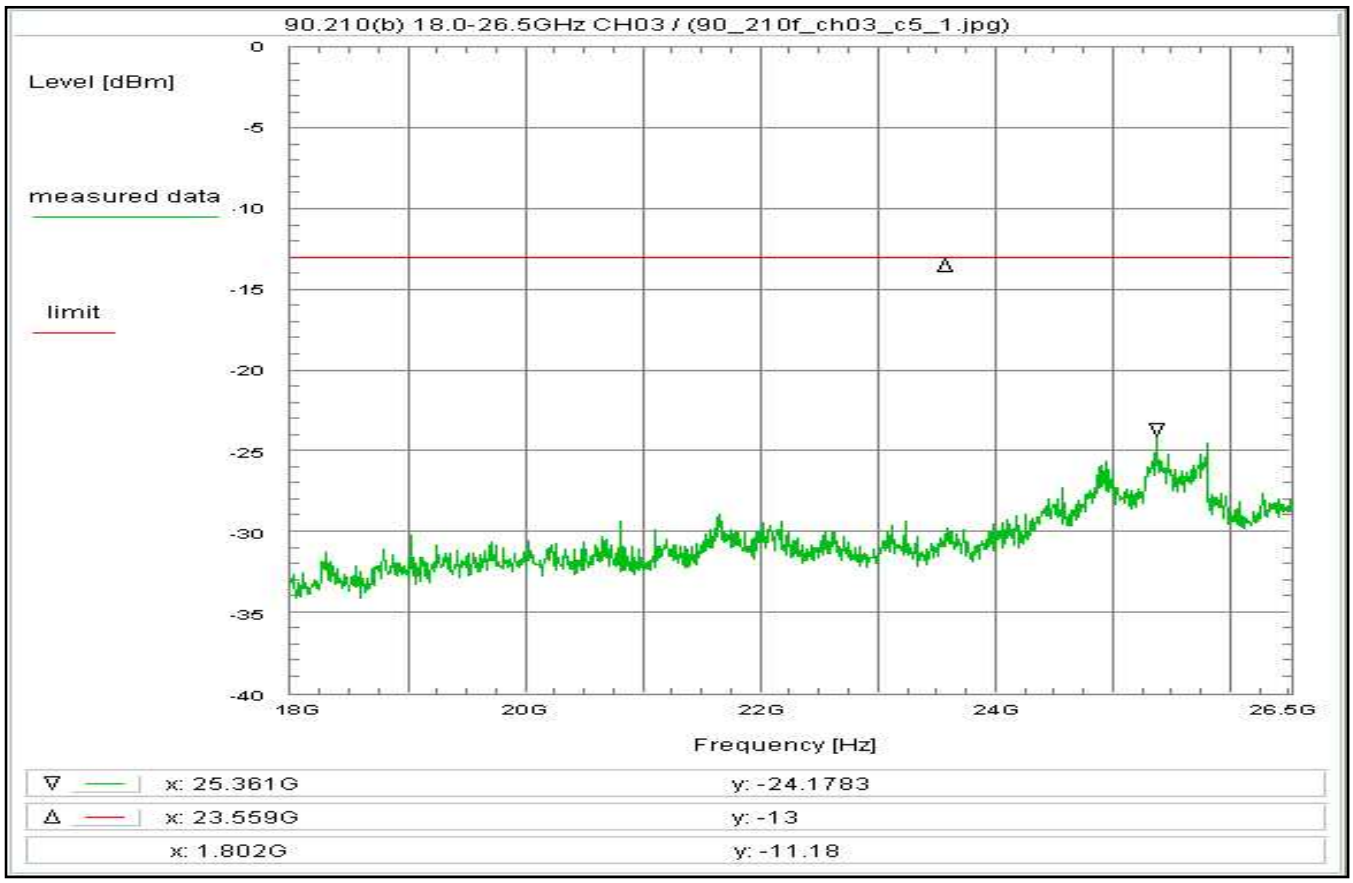
Start frequency:	10	GHz
Stop frequency:	18	GHz
Center frequency:	14	GHz
Frequency span:	8	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.8	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.7	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	36.4	dB

Remarks:
CH03, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 83



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 18 - 26.5 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:32:57	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

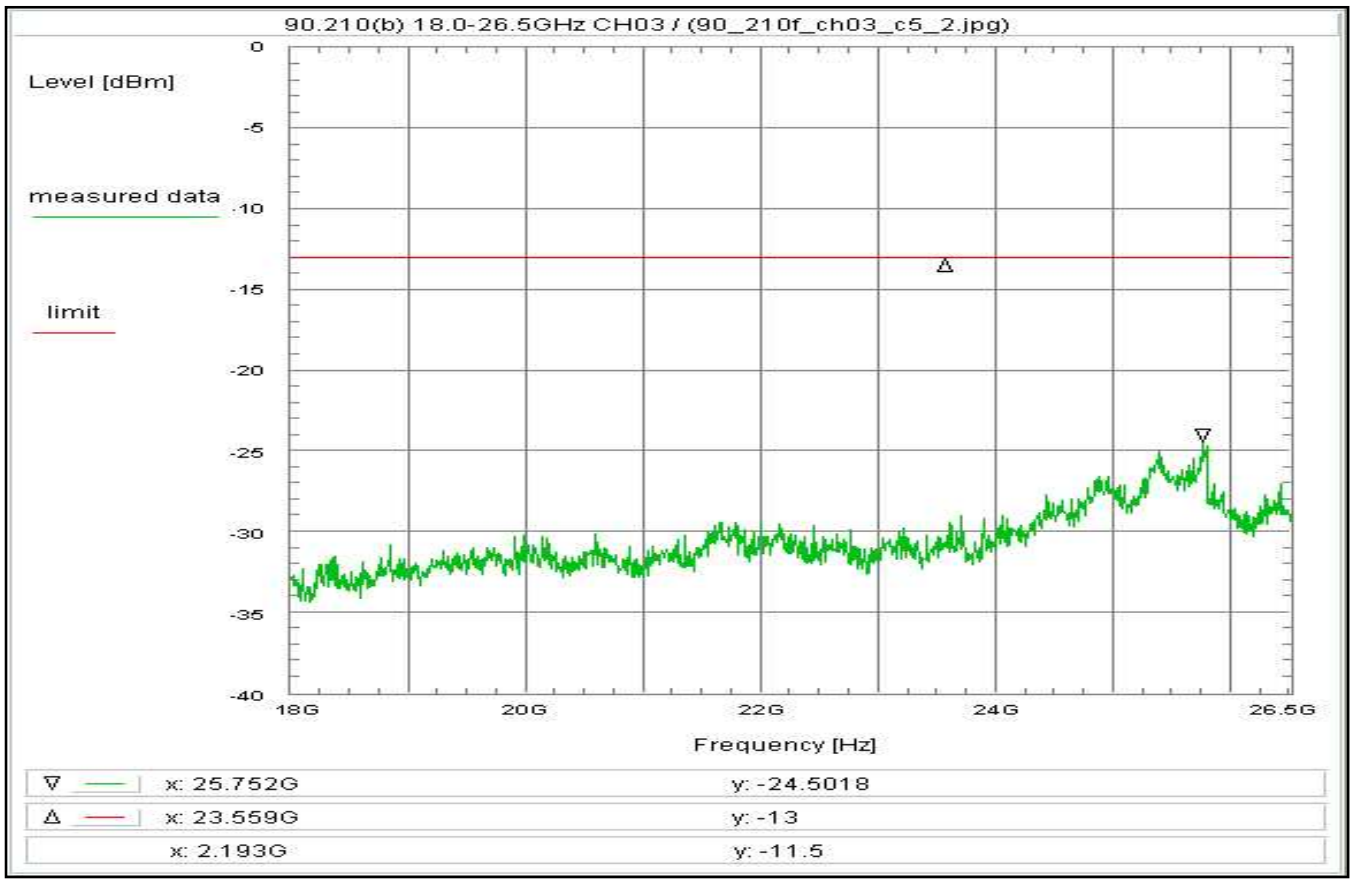
Start frequency:	18	GHz
Stop frequency:	26.5	GHz
Center frequency:	22.25	GHz
Frequency span:	8.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	31.4	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	37.6	dB

Remarks:
CH03, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 84



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 18 - 26.5 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:59:46	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

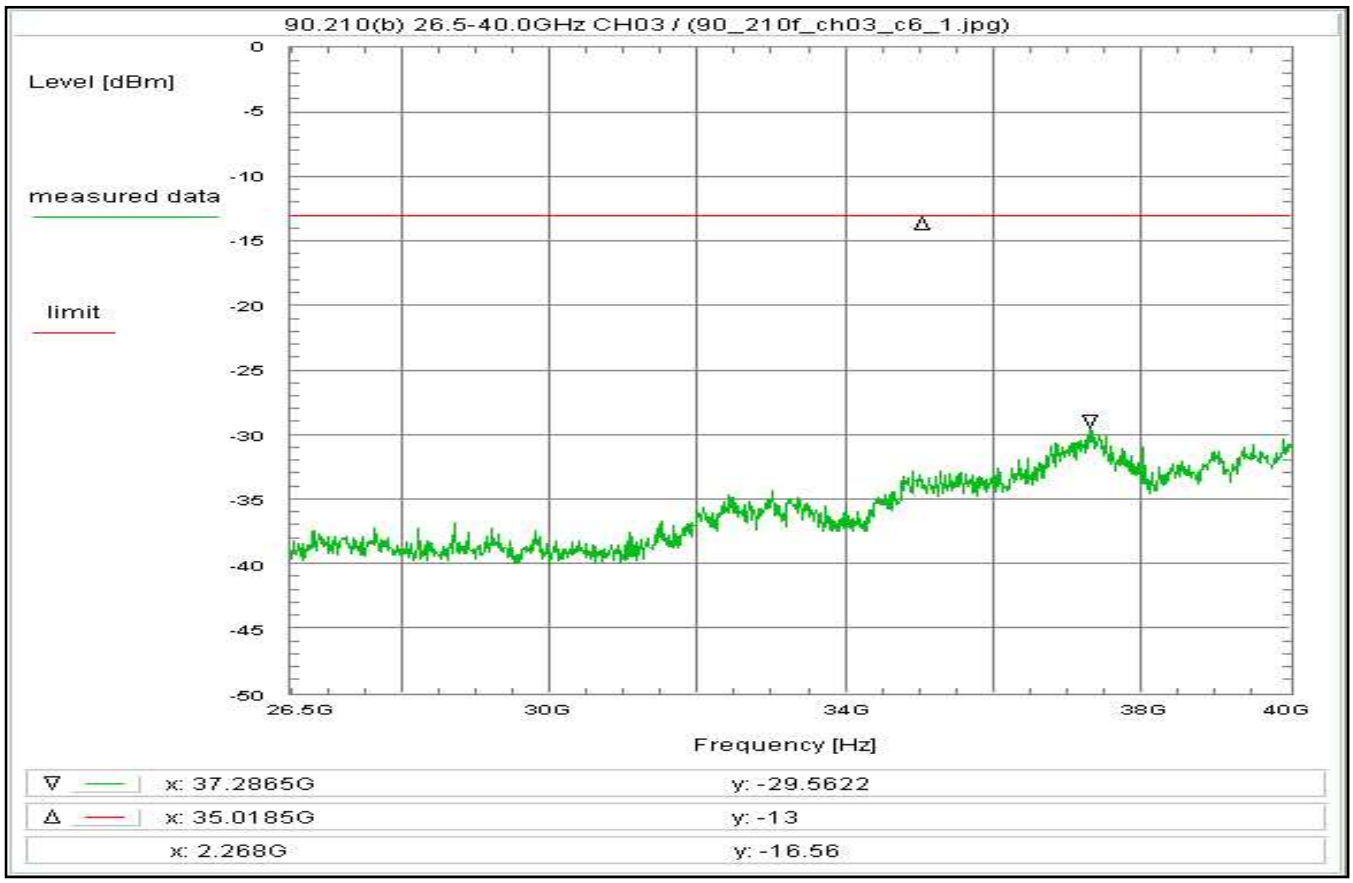
Start frequency:	18	GHz
Stop frequency:	26.5	GHz
Center frequency:	22.25	GHz
Frequency span:	8.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	31.4	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	37.6	dB

Remarks:
CH03, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 85



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 26.5 - 40 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:33:28	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

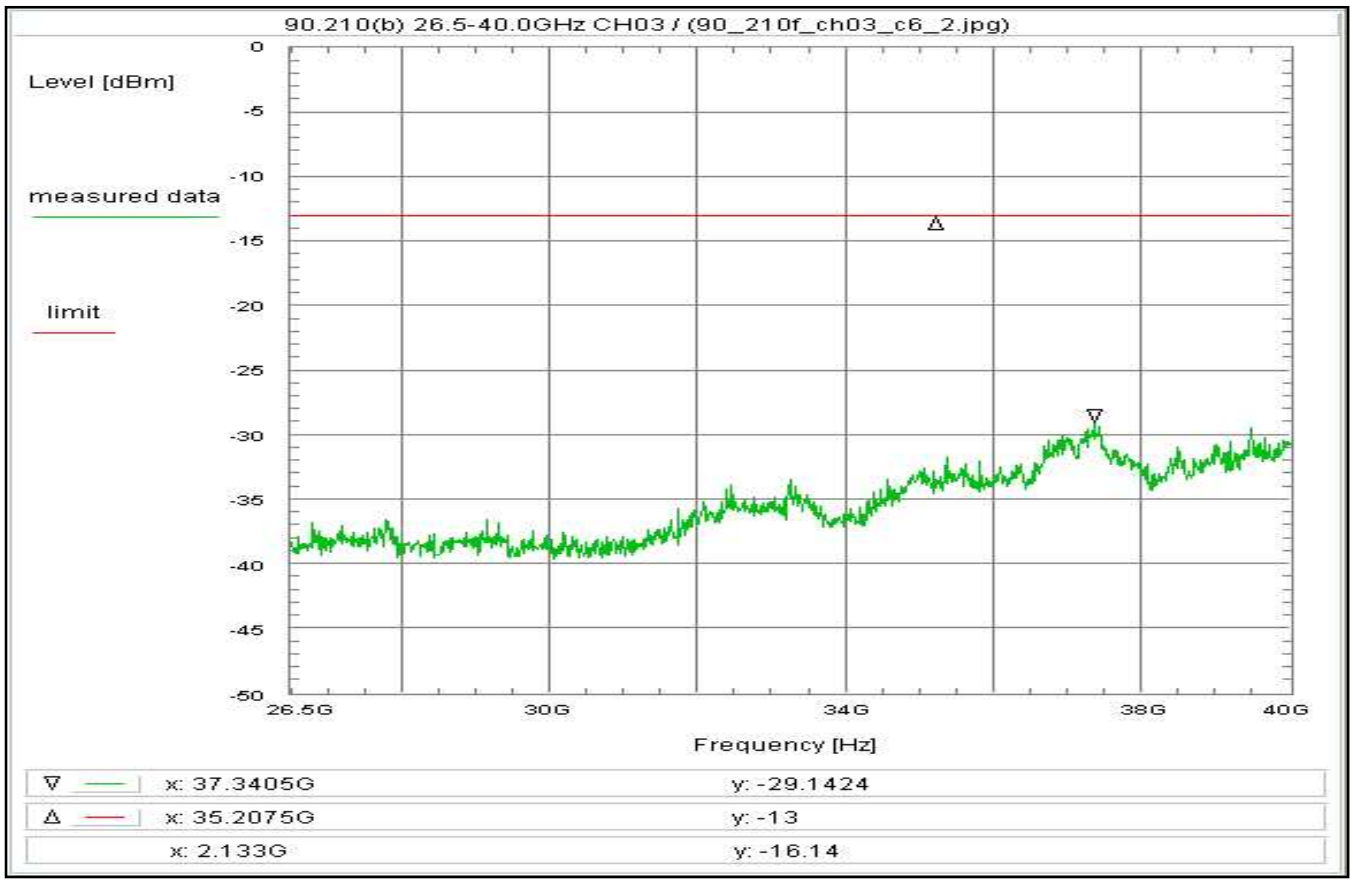
Start frequency:	26.5	GHz
Stop frequency:	40	GHz
Center frequency:	33.25	GHz
Frequency span:	13.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	0	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.9	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	32.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	39.1	dB

Remarks:
CH03, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 86



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 26.5 - 40 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH03, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 17:00:41	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

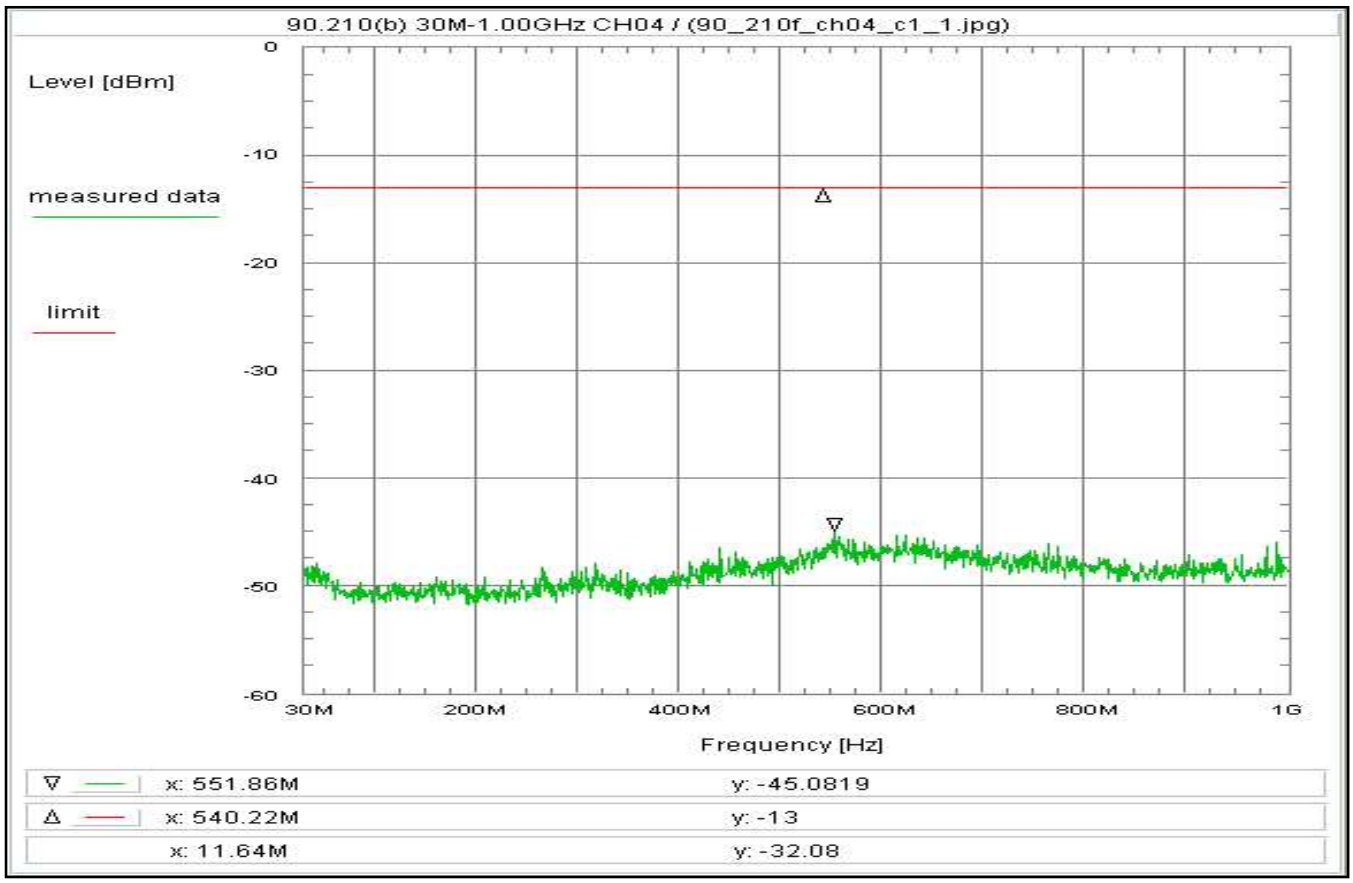
Start frequency:	26.5	GHz
Stop frequency:	40	GHz
Center frequency:	33.25	GHz
Frequency span:	13.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	0	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.9	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	32.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	39.1	dB

Remarks:
CH03, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 87



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 30 MHz - 1 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:36:03	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

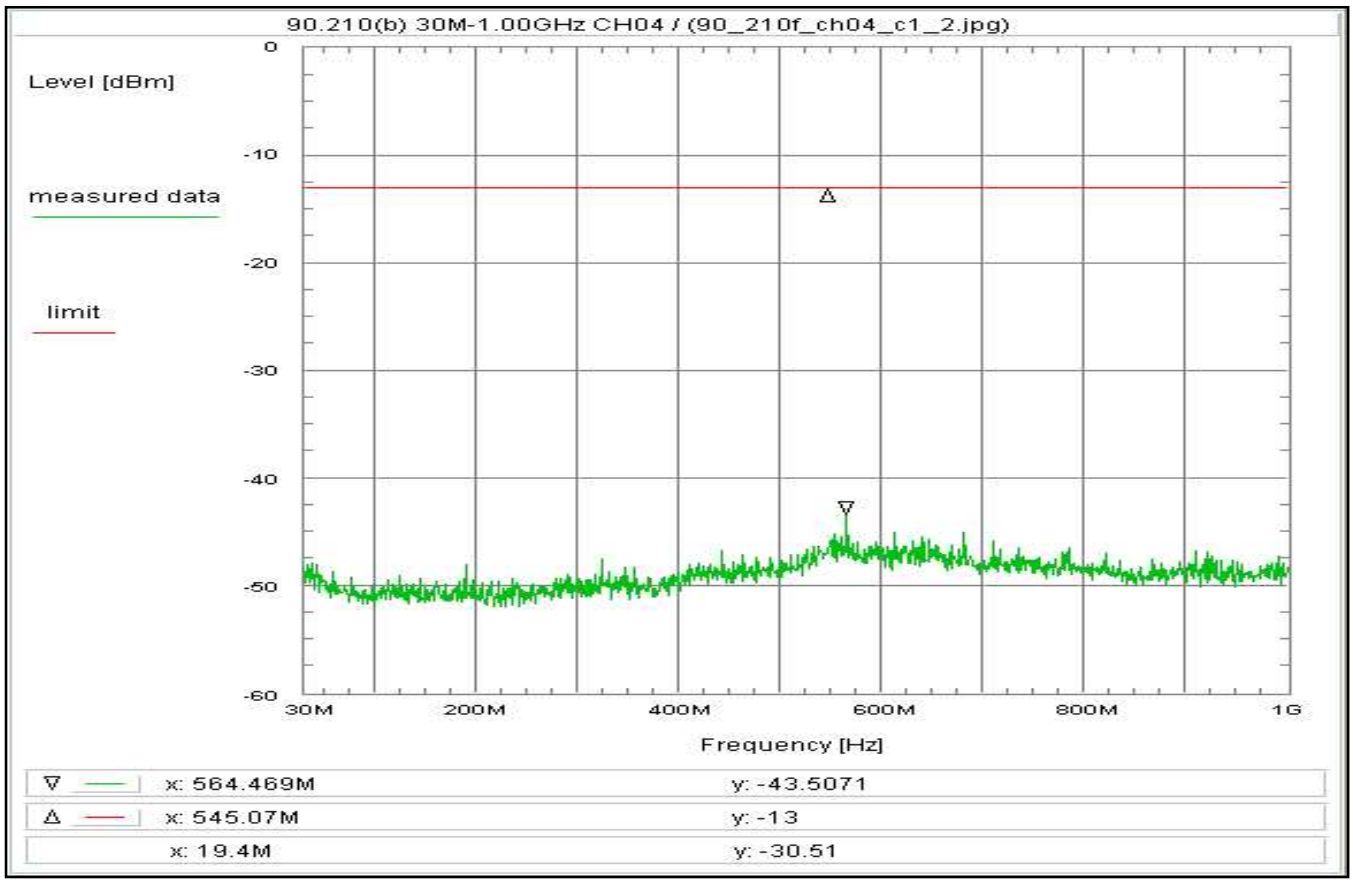
Start frequency:	30	MHz
Stop frequency:	1	GHz
Center frequency:	515	MHz
Frequency span:	970	MHz
Resolution-BW:	100	kHz
Video-BW:	300	kHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	0.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	33.5	dB

Remarks:
CH04, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 88



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 30 MHz - 1 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 17:03:45	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

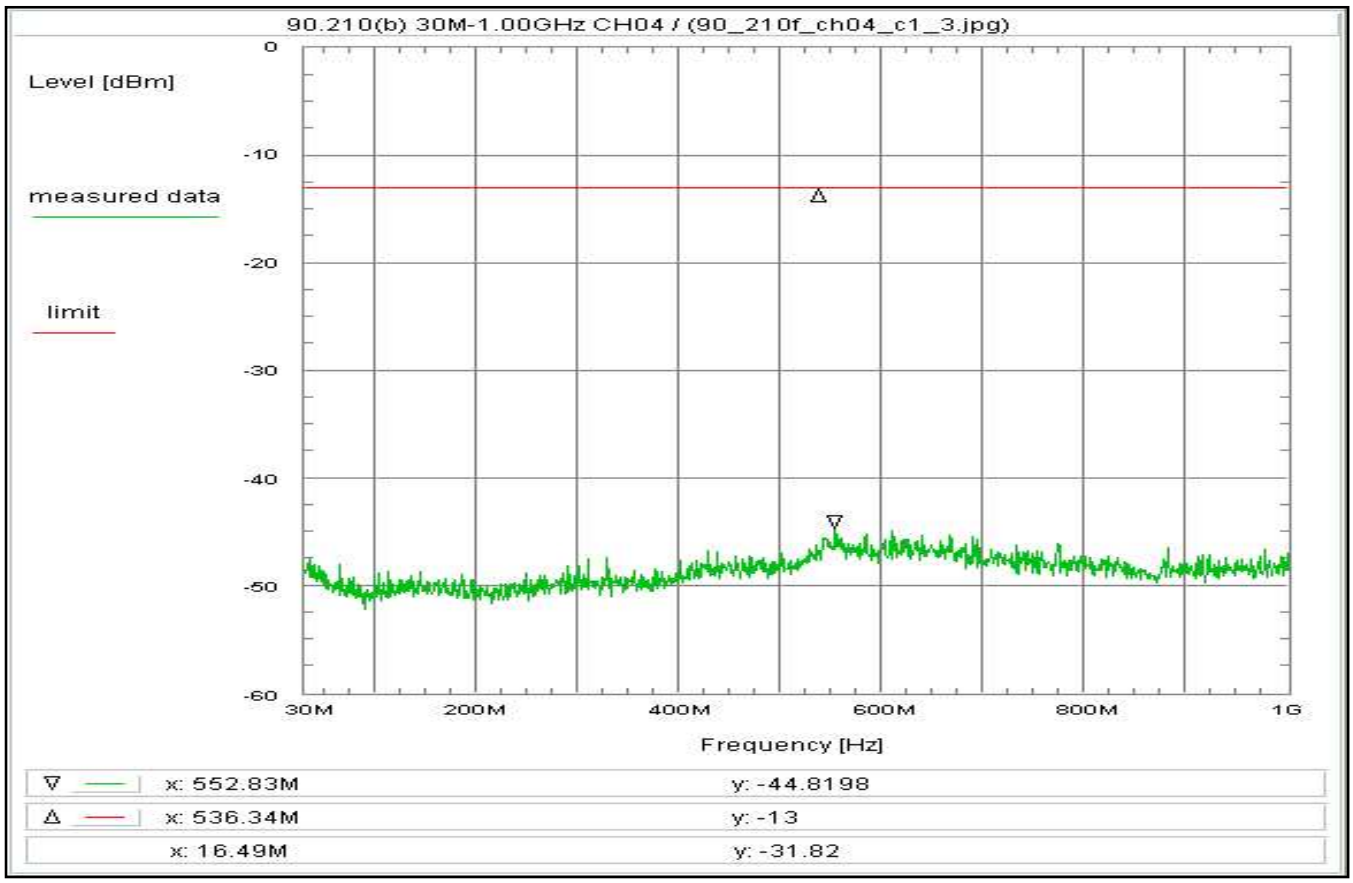
Start frequency:	30	MHz
Stop frequency:	1	GHz
Center frequency:	515	MHz
Frequency span:	970	MHz
Resolution-BW:	100	kHz
Video-BW:	300	kHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	0.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	33.5	dB

Remarks:
CH04, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 89



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 30 MHz - 1 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 10:22:32	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

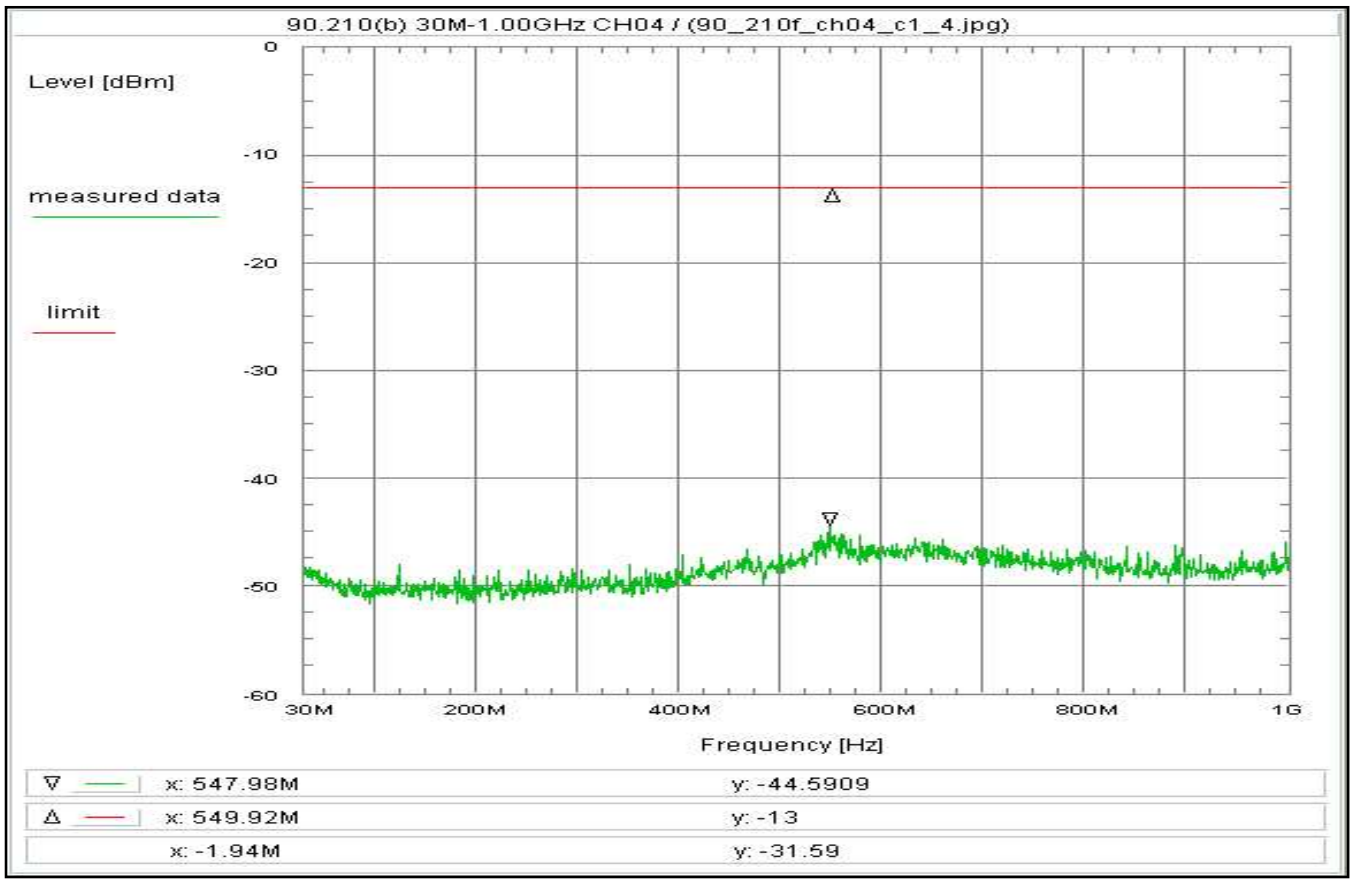
Start frequency:	30	MHz
Stop frequency:	1	GHz
Center frequency:	515	MHz
Frequency span:	970	MHz
Resolution-BW:	100	kHz
Video-BW:	300	kHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	0.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	33.5	dB

Remarks:
CH04, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 90



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 30 MHz - 1 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 08:53:07	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

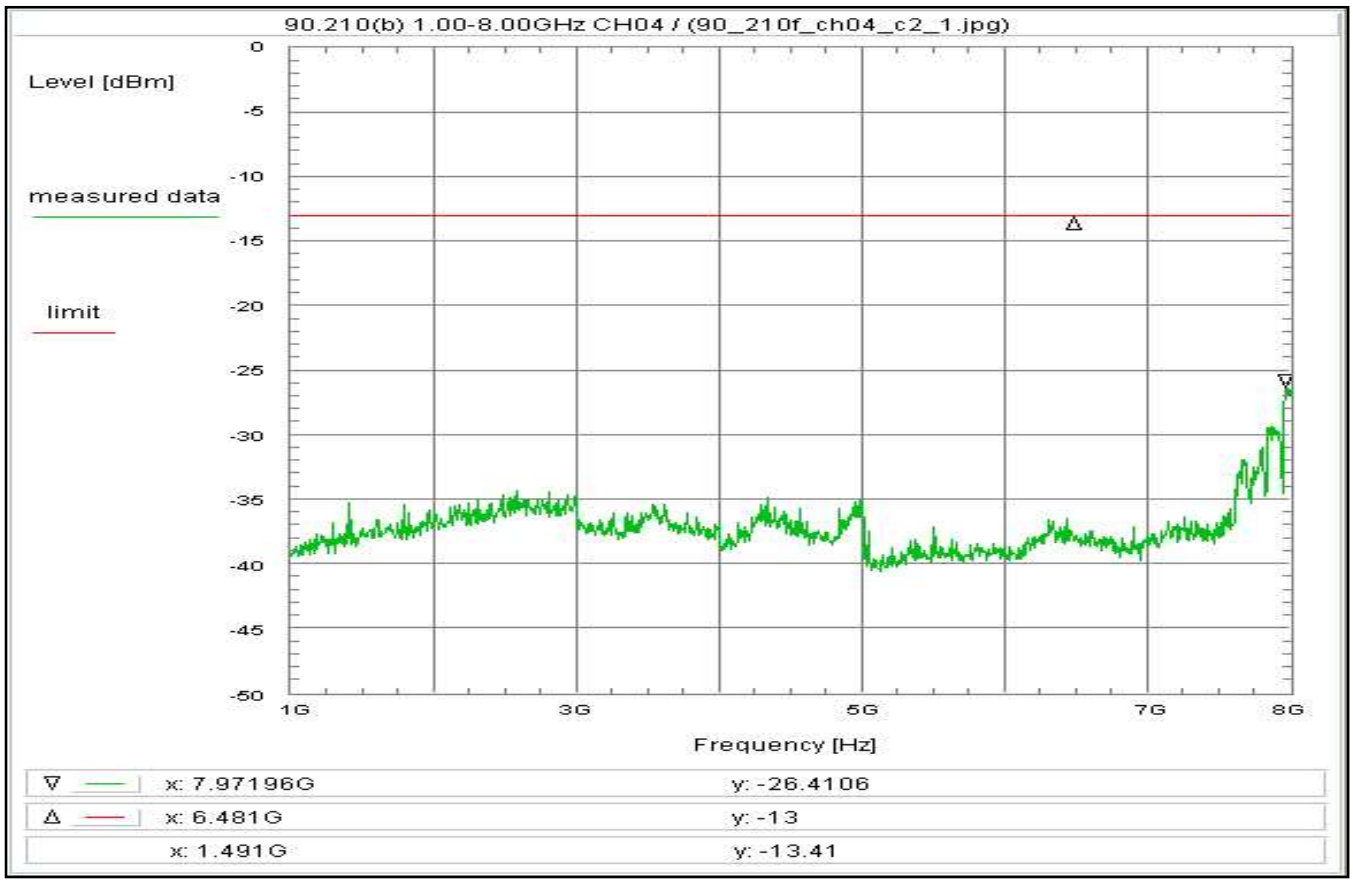
Start frequency:	30	MHz
Stop frequency:	1	GHz
Center frequency:	515	MHz
Frequency span:	970	MHz
Resolution-BW:	100	kHz
Video-BW:	300	kHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	0.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	33.5	dB

Remarks:
CH04, 50 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 91



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 1 - 8 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:36:44	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

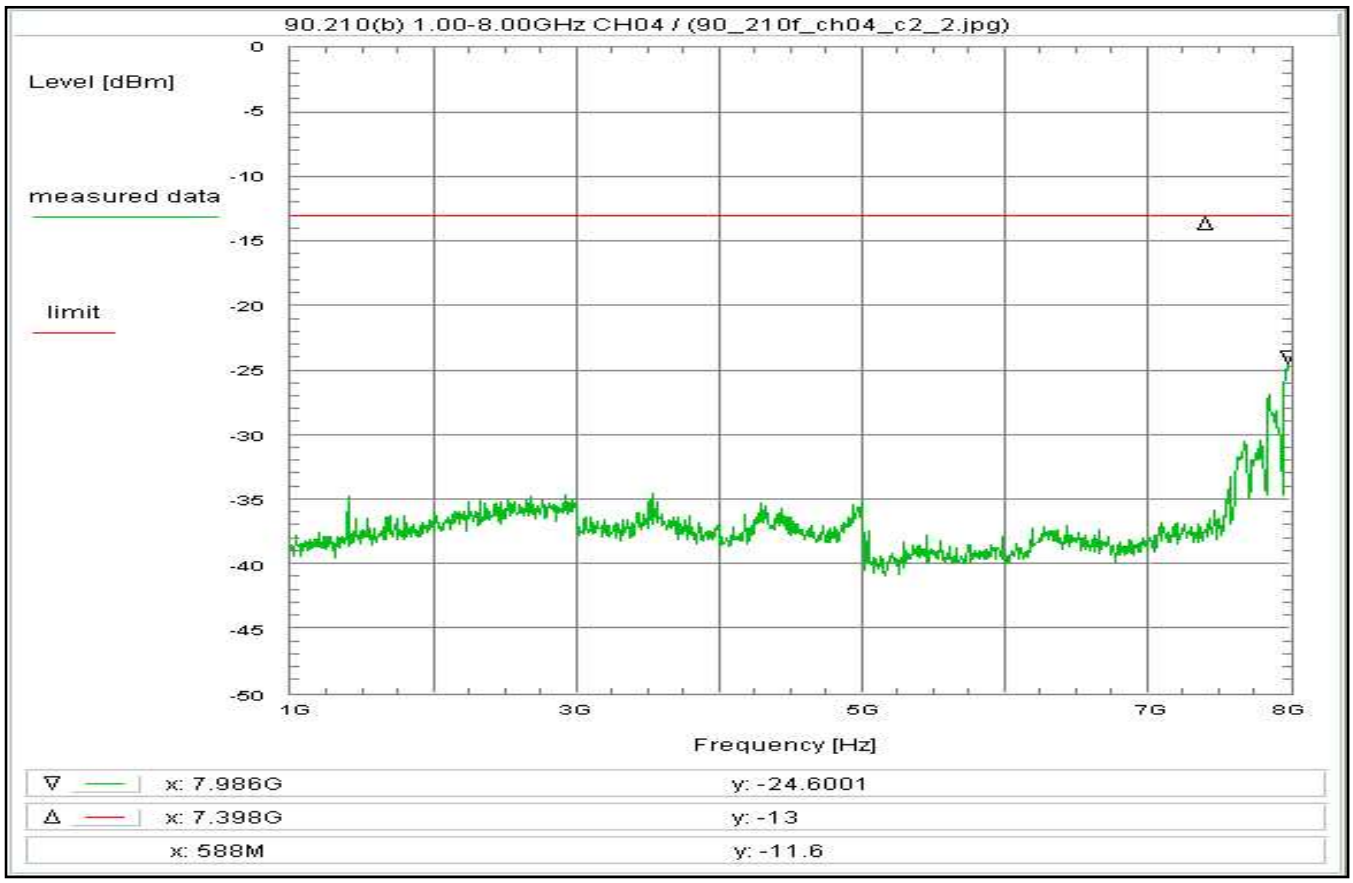
Start frequency:	1	GHz
Stop frequency:	8	GHz
Center frequency:	4.5	GHz
Frequency span:	7	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.0	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.9	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	34.8	dB

Remarks:
CH04, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 92



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 1 - 8 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 17:04:31	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

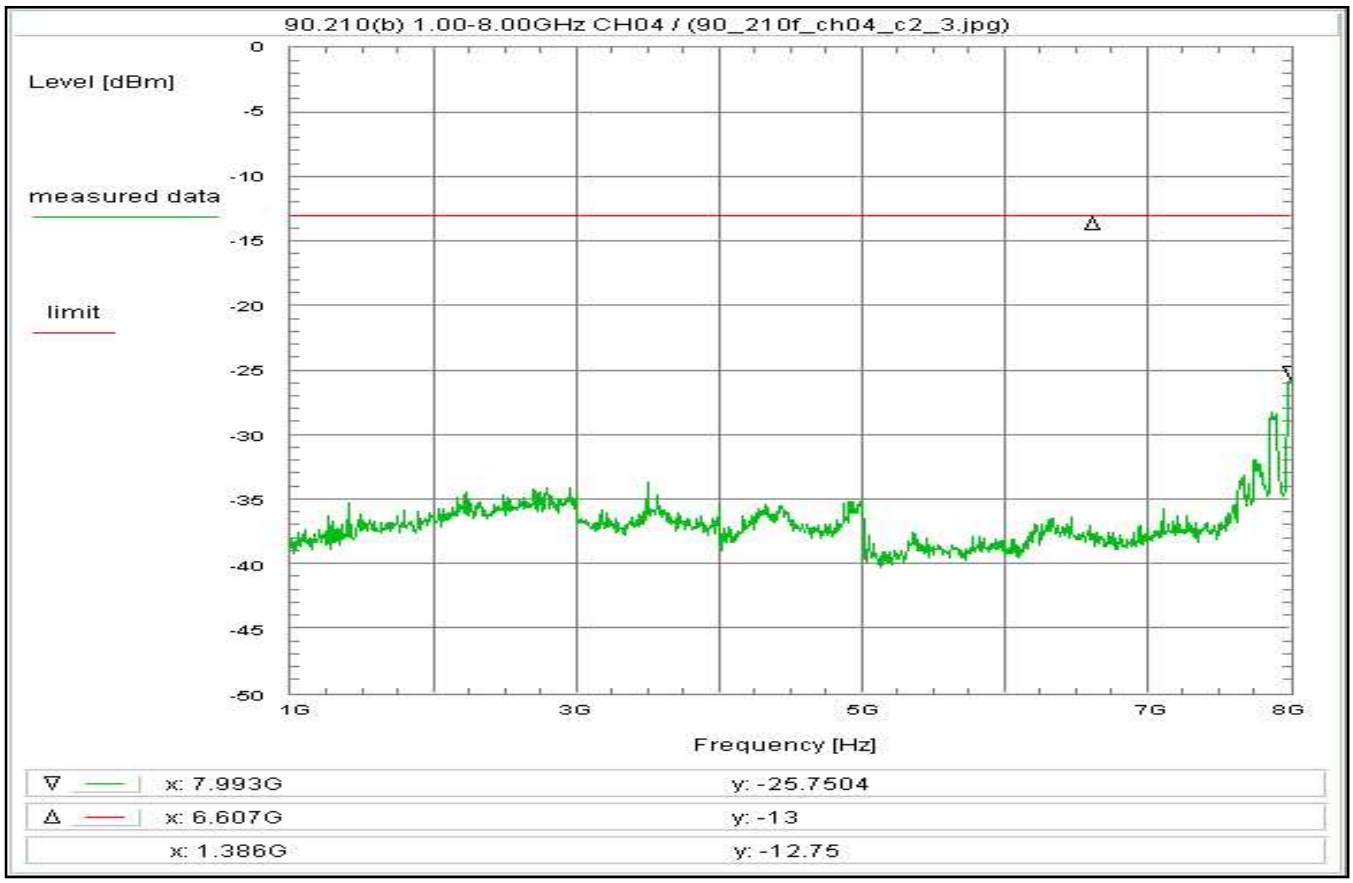
Start frequency:	1	GHz
Stop frequency:	8	GHz
Center frequency:	4.5	GHz
Frequency span:	7	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.0	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.9	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	34.8	dB

Remarks:
CH04, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 93



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 1 - 8 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 10:24:18	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

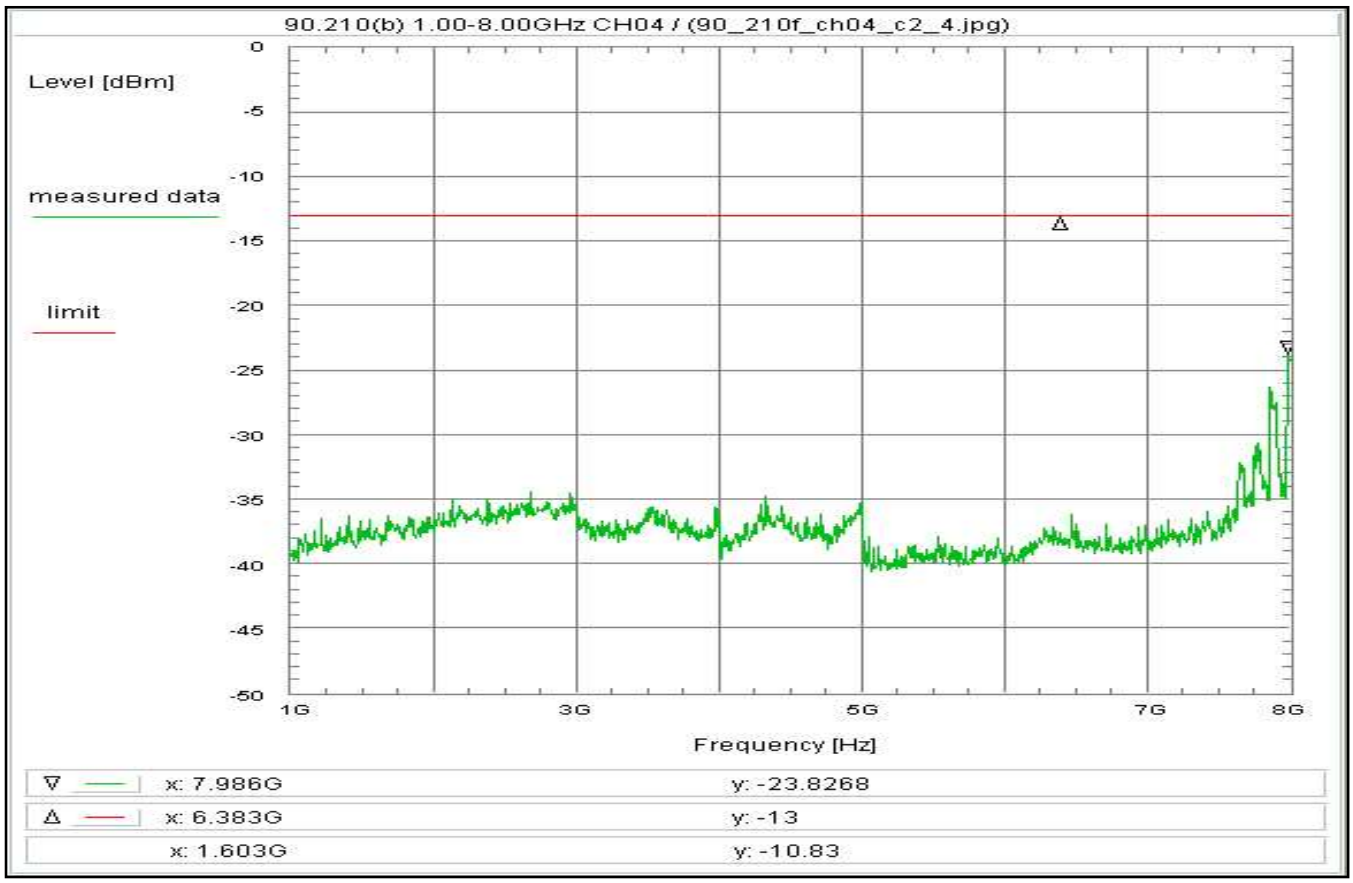
Start frequency:	1	GHz
Stop frequency:	8	GHz
Center frequency:	4.5	GHz
Frequency span:	7	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.0	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.9	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	34.8	dB

Remarks:
CH04, 50 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 94



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 1 - 8 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 08:53:45	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

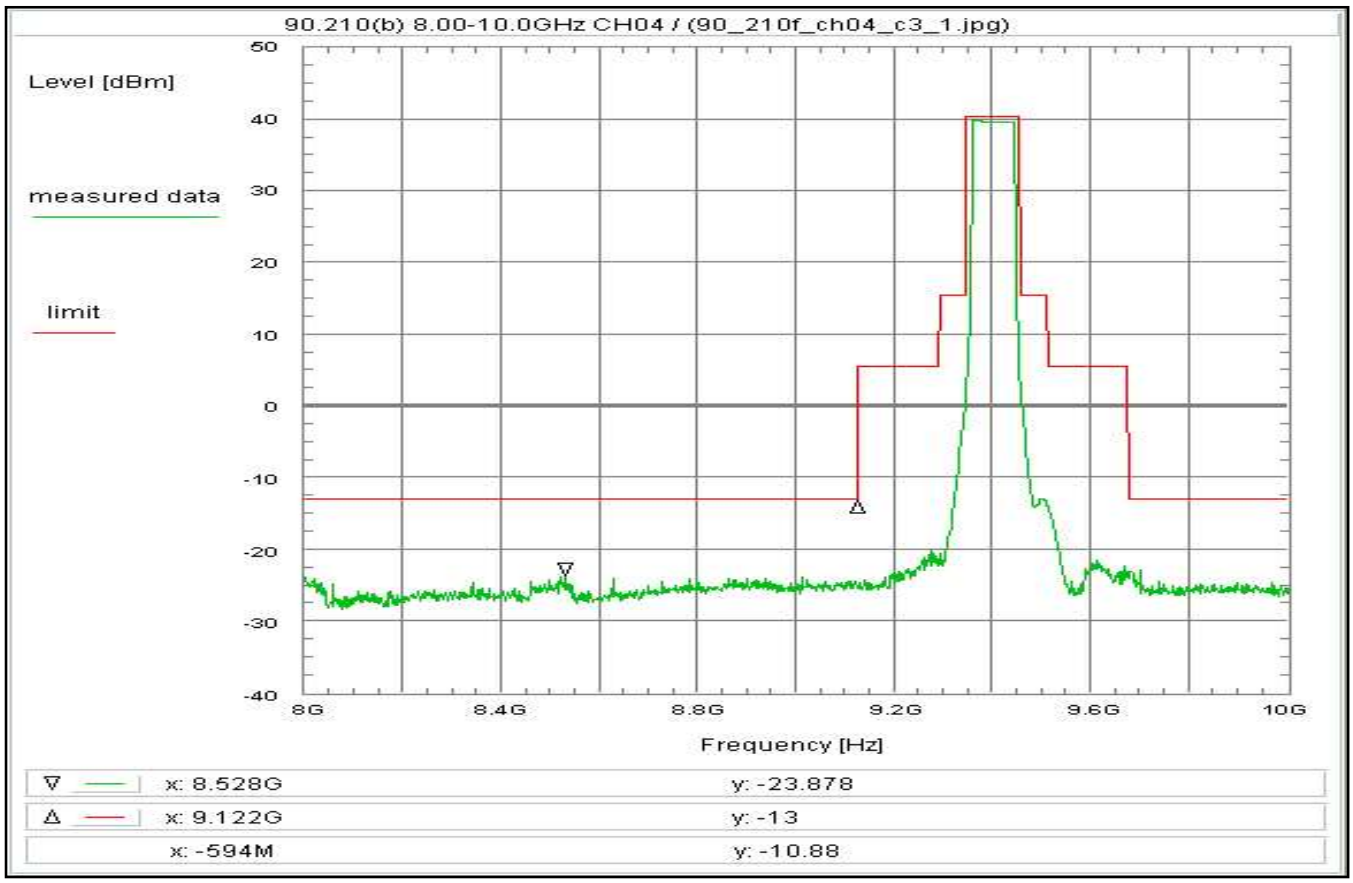
Start frequency:	1	GHz
Stop frequency:	8	GHz
Center frequency:	4.5	GHz
Frequency span:	7	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.0	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	29.9	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	34.8	dB

Remarks:
CH04, 50 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 95



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 8 - 10 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:35:22	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

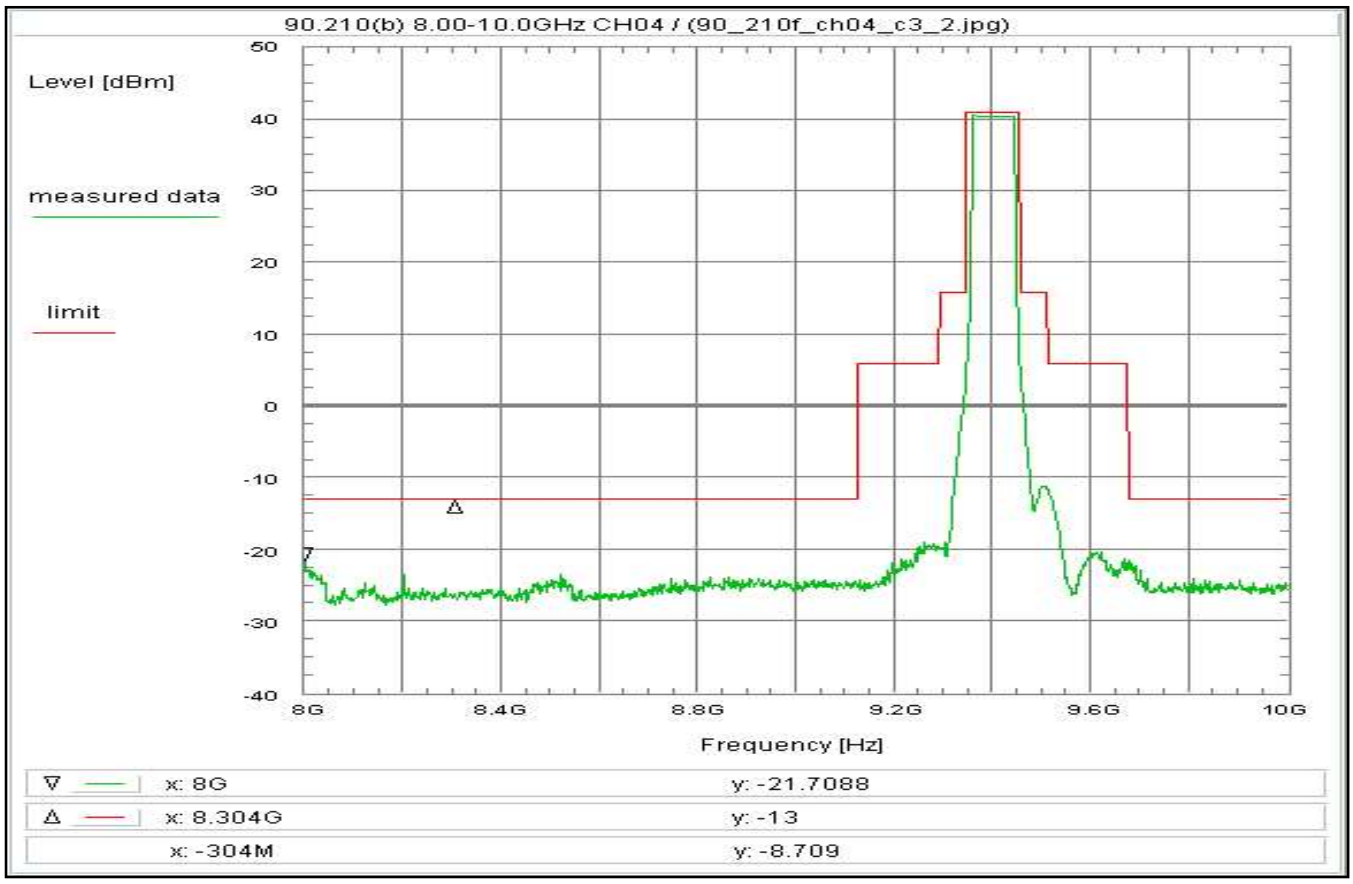
Start frequency:	8	GHz
Stop frequency:	10	GHz
Center frequency:	9	GHz
Frequency span:	2	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.5	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	35.7	dB

Remarks:
CH04, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 96



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 8 - 10 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 17:03:08	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

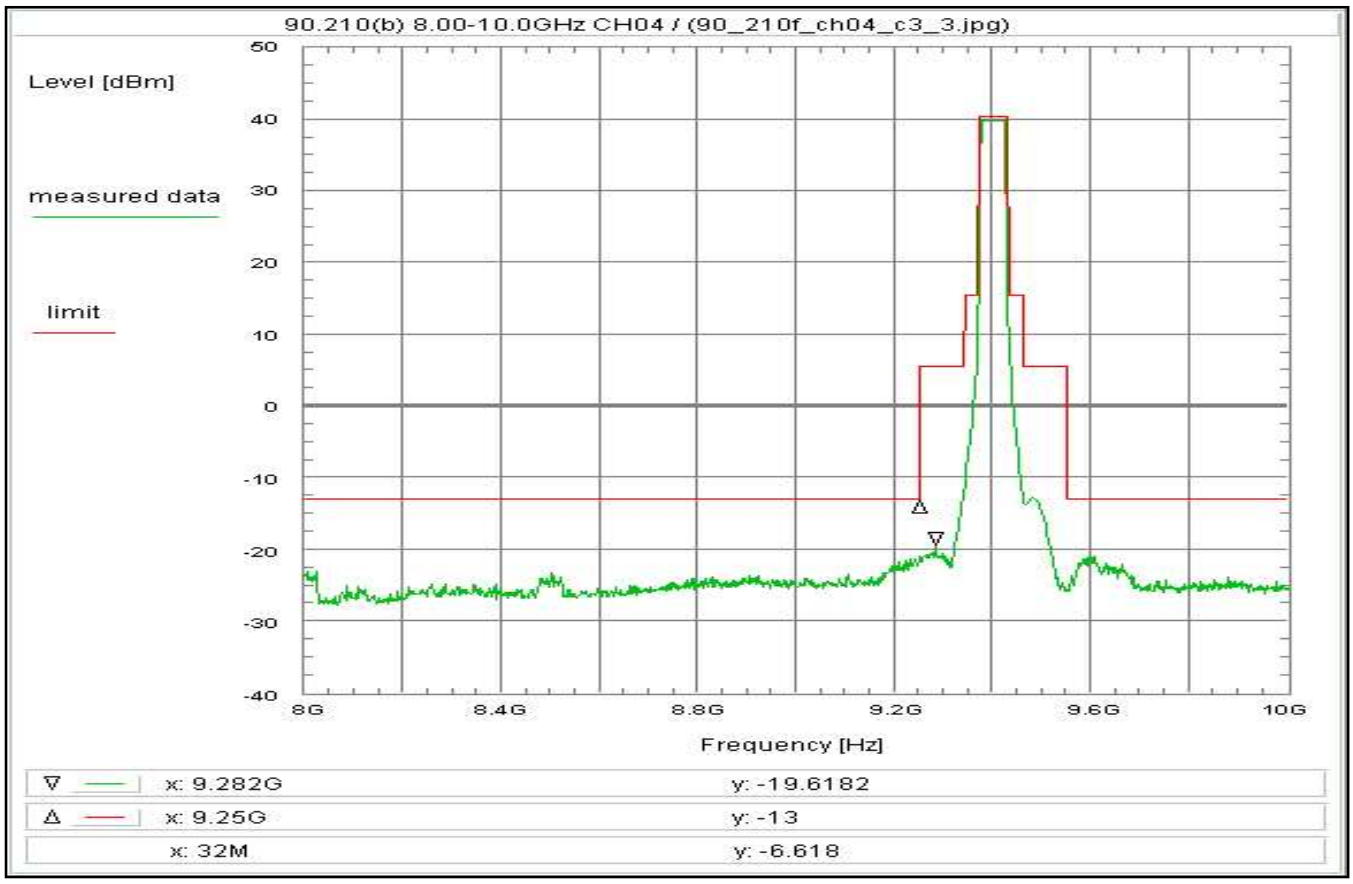
Start frequency:	8	GHz
Stop frequency:	10	GHz
Center frequency:	9	GHz
Frequency span:	2	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.5	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	35.7	dB

Remarks:
CH04, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 97



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 8 - 10 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 10:21:25	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

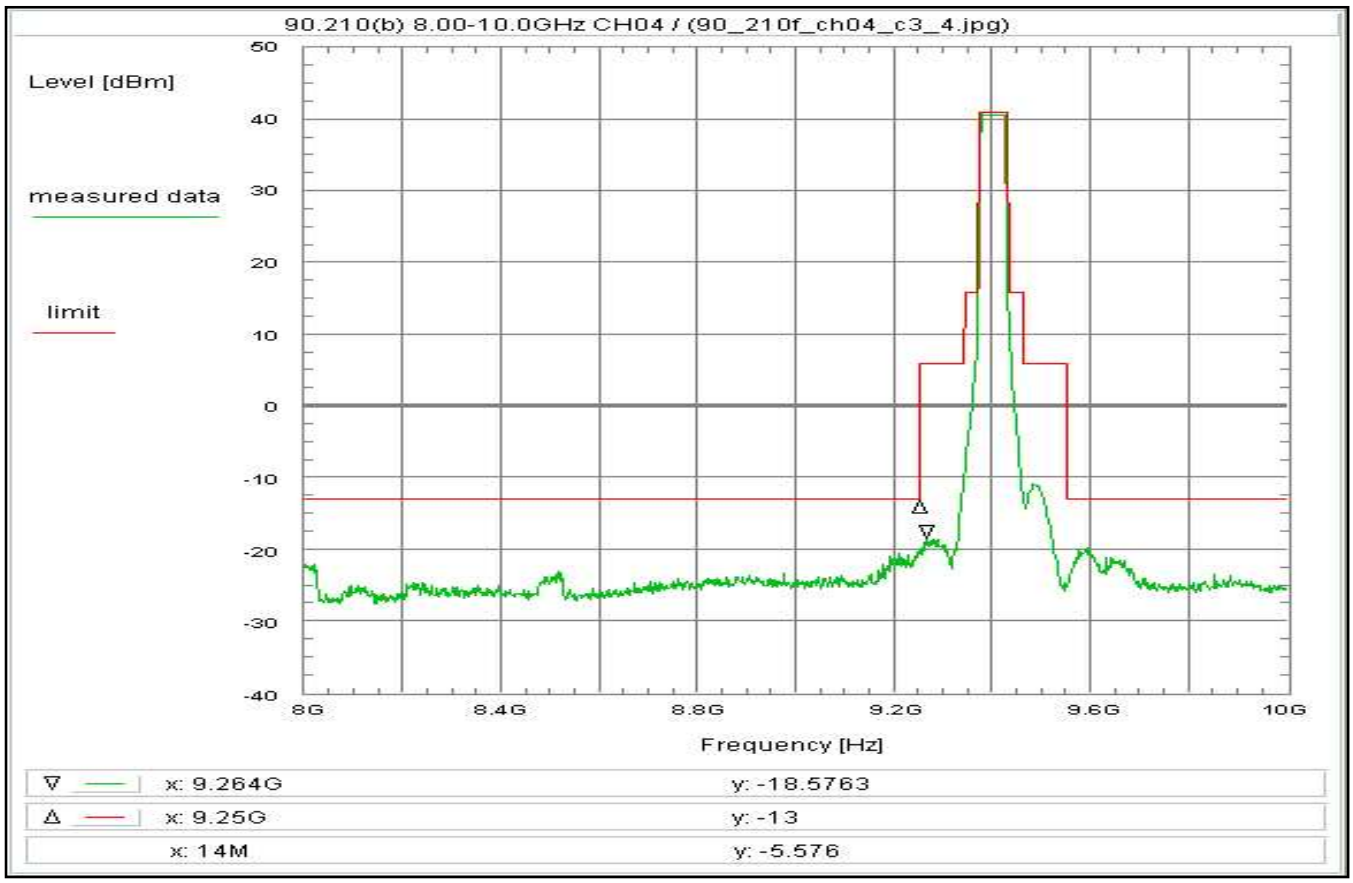
Start frequency:	8	GHz
Stop frequency:	10	GHz
Center frequency:	9	GHz
Frequency span:	2	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.5	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	35.7	dB

Remarks:
CH04, 50 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 98



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 8 - 10 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 08:52:19	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

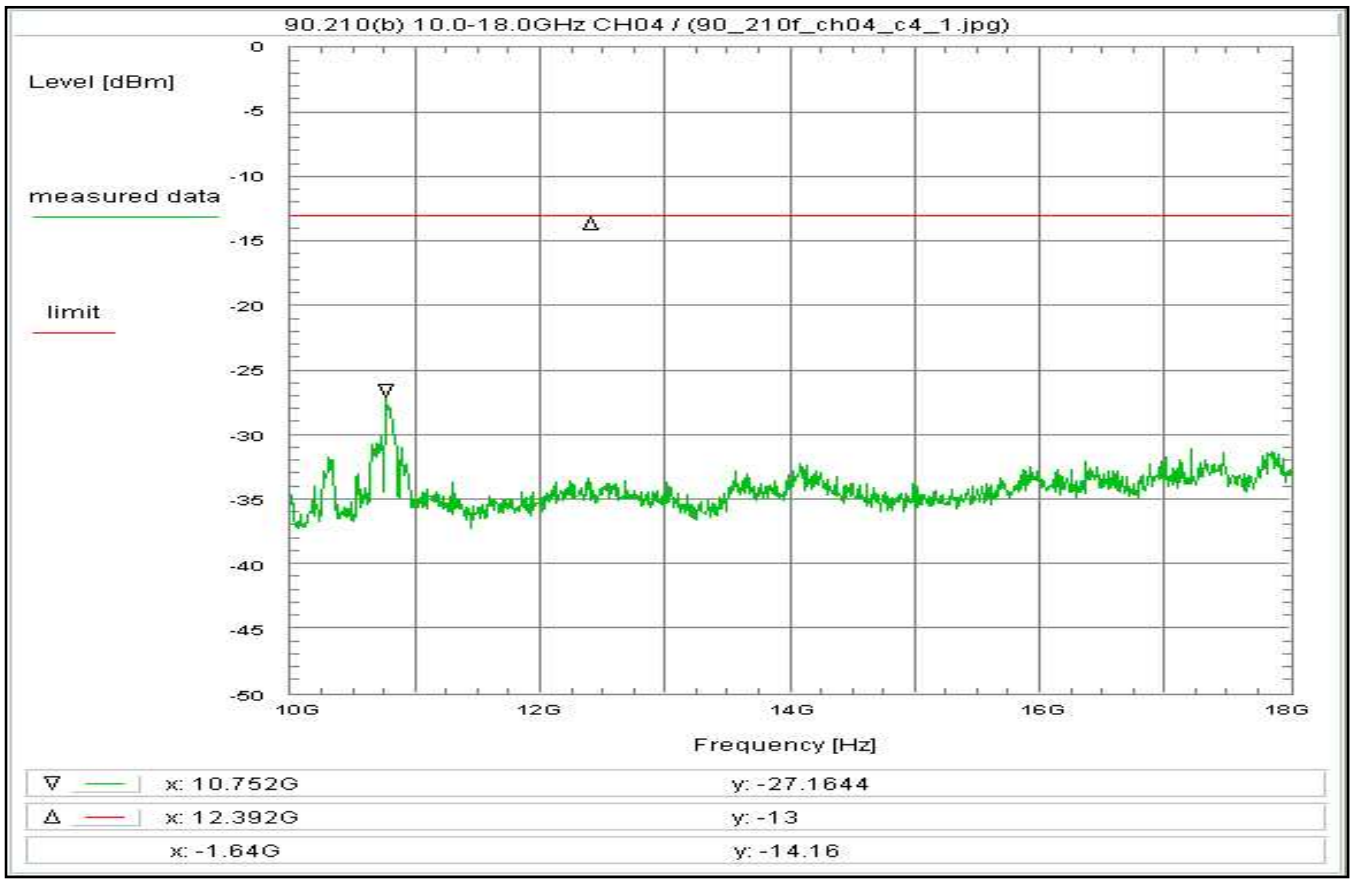
Start frequency:	8	GHz
Stop frequency:	10	GHz
Center frequency:	9	GHz
Frequency span:	2	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	20	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.5	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	35.7	dB

Remarks:
CH04, 50 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 99



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 10 - 18 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:37:20	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

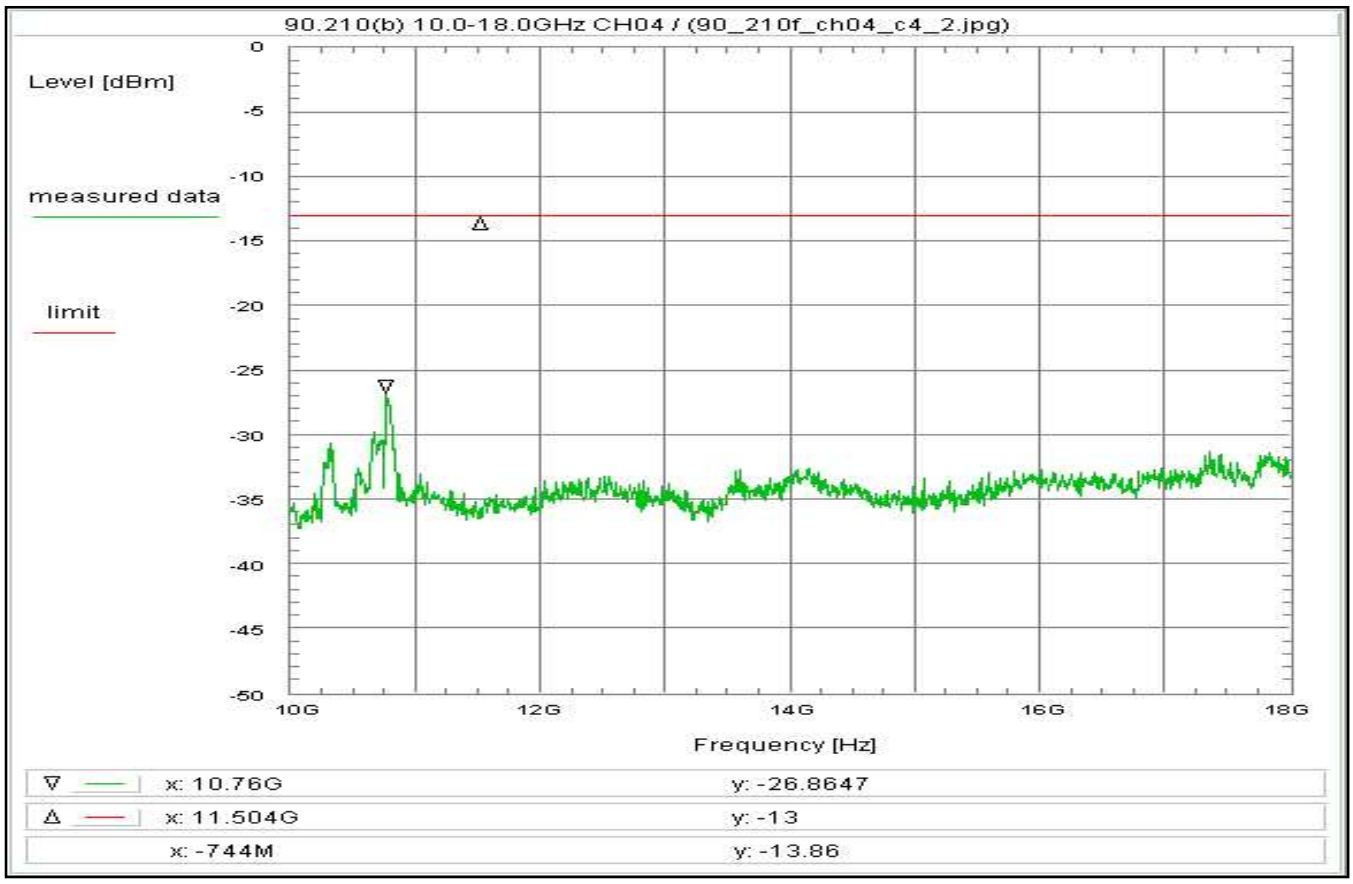
Start frequency:	10	GHz
Stop frequency:	18	GHz
Center frequency:	14	GHz
Frequency span:	8	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.8	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.7	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	36.4	dB

Remarks:
CH04, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 100



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 10 - 18 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 17:05:07	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

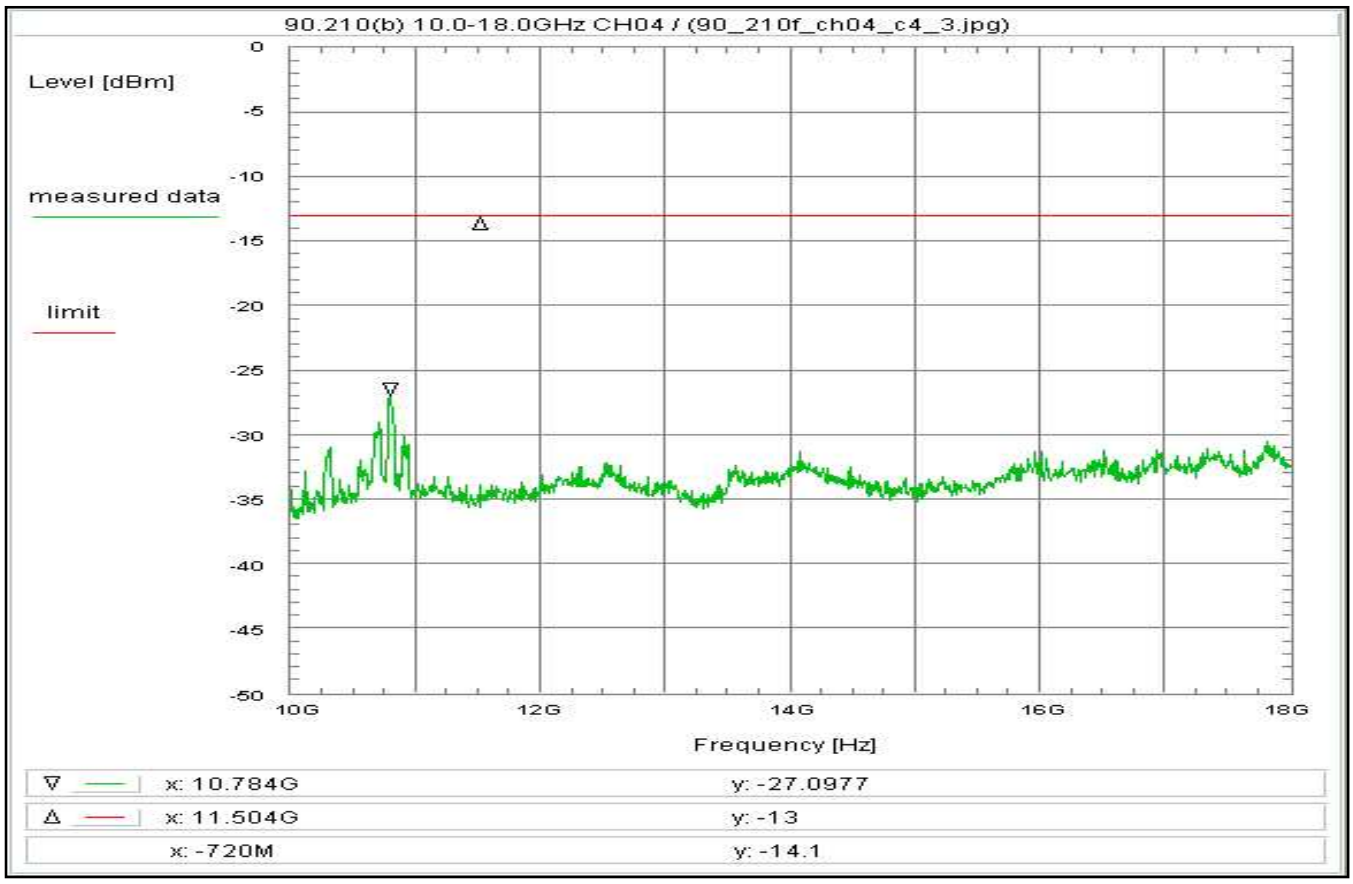
Start frequency:	10	GHz
Stop frequency:	18	GHz
Center frequency:	14	GHz
Frequency span:	8	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.8	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.7	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	36.4	dB

Remarks:
CH04, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 101



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 10 - 18 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 10:28:15	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

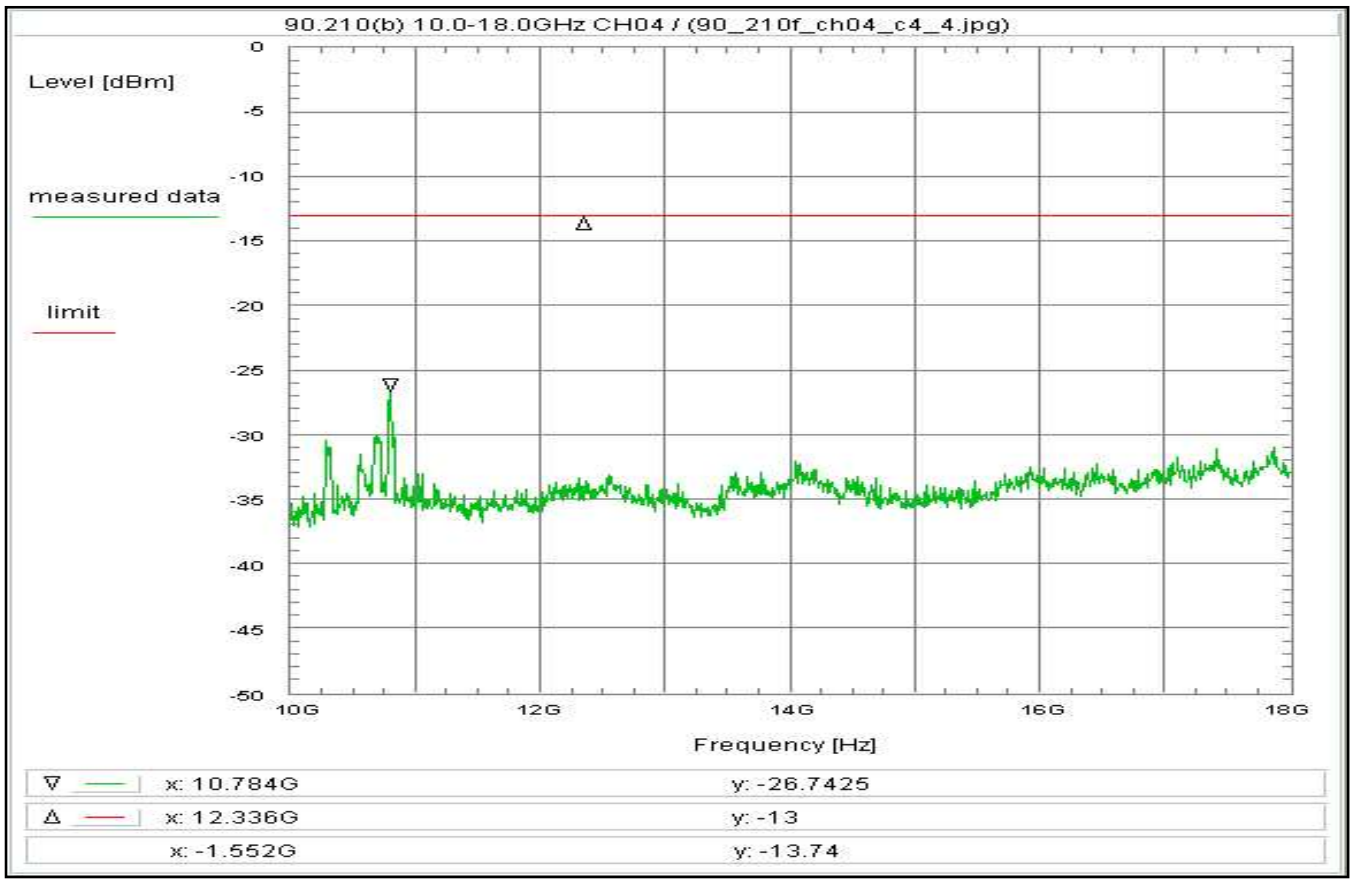
Start frequency:	10	GHz
Stop frequency:	18	GHz
Center frequency:	14	GHz
Frequency span:	8	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.8	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.7	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	36.4	dB

Remarks:
CH04, 50 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 102



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 10 - 18 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 08:54:27	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

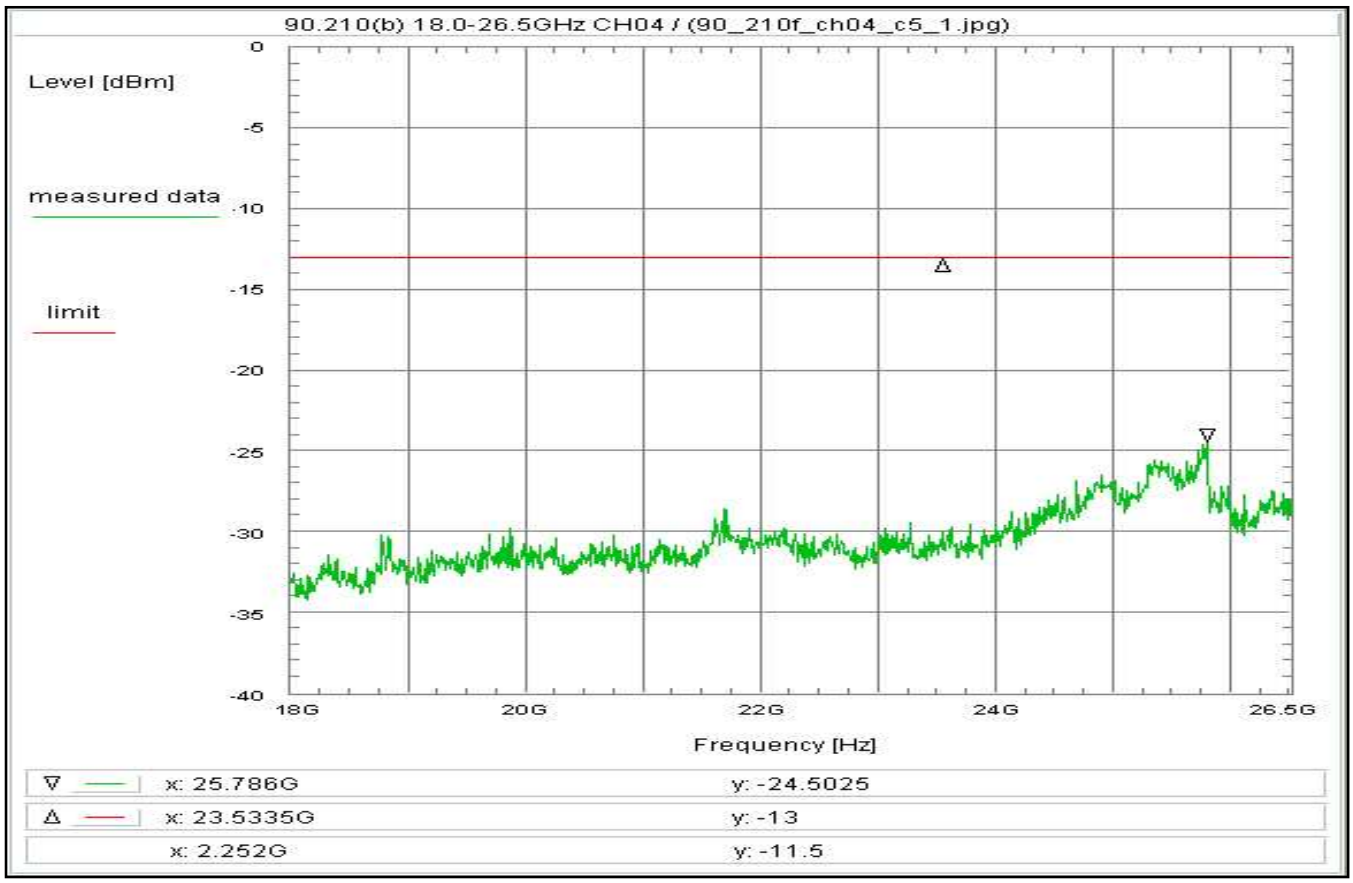
Start frequency:	10	GHz
Stop frequency:	18	GHz
Center frequency:	14	GHz
Frequency span:	8	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	1.8	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	30.7	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	36.4	dB

Remarks:
CH04, 50 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 103



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 18 - 26.5 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:37:58	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

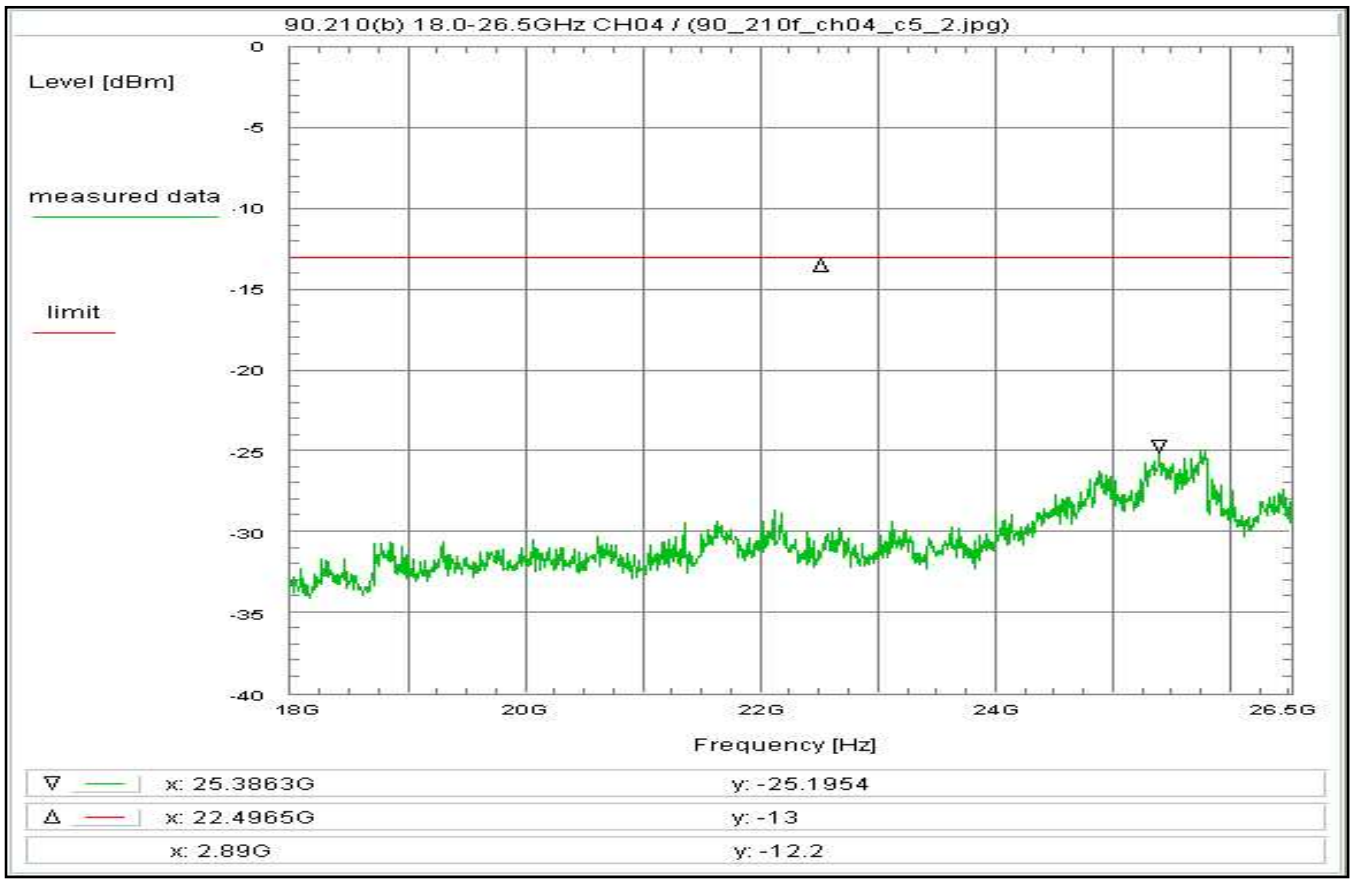
Start frequency:	18	GHz
Stop frequency:	26.5	GHz
Center frequency:	22.25	GHz
Frequency span:	8.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	31.4	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	37.6	dB

Remarks:
CH04, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 104



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 18 - 26.5 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 17:06:07	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

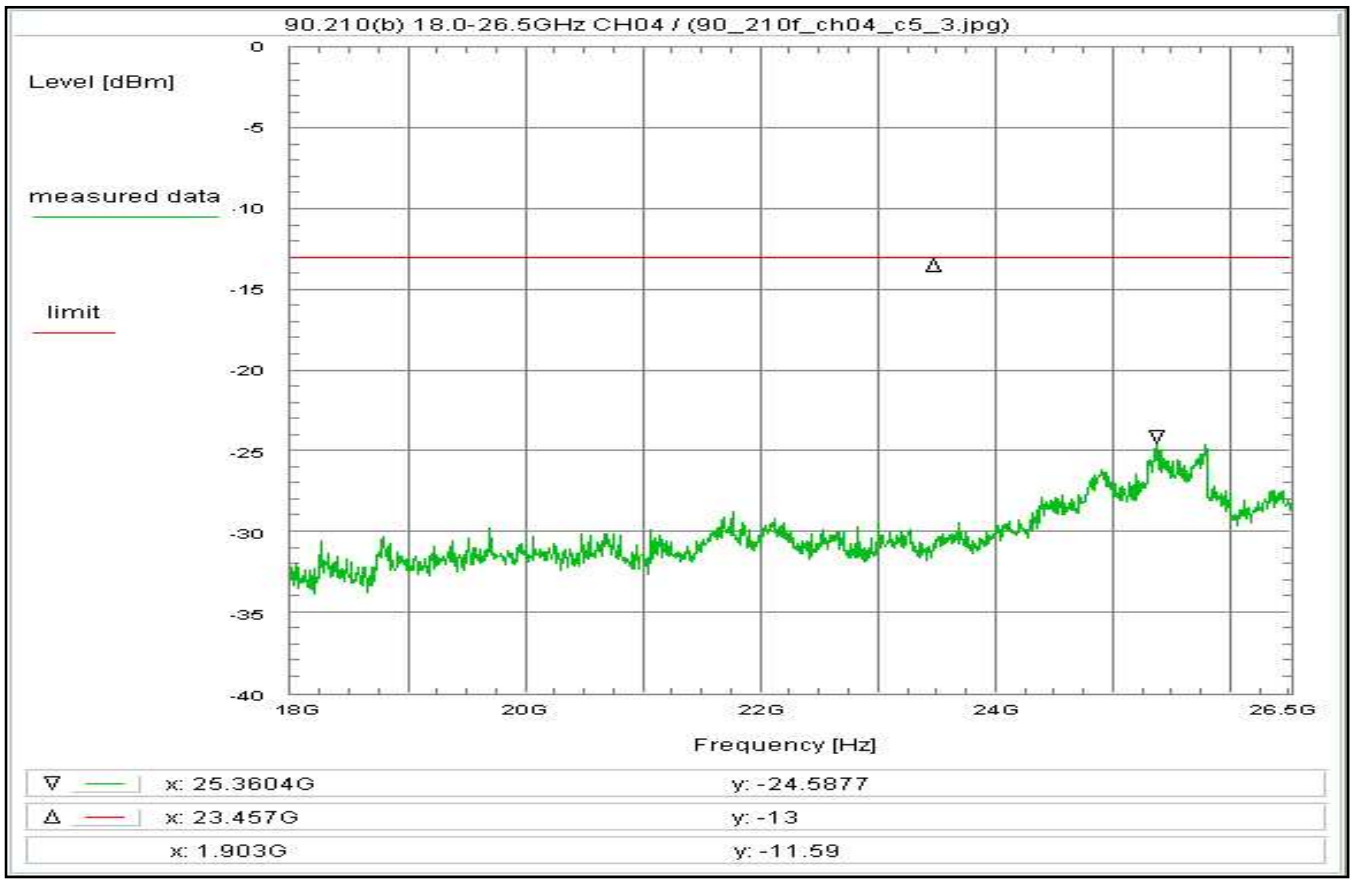
Start frequency:	18	GHz
Stop frequency:	26.5	GHz
Center frequency:	22.25	GHz
Frequency span:	8.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	31.4	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	37.6	dB

Remarks:
CH04, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 105



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 18 - 26.5 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 10:29:40	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

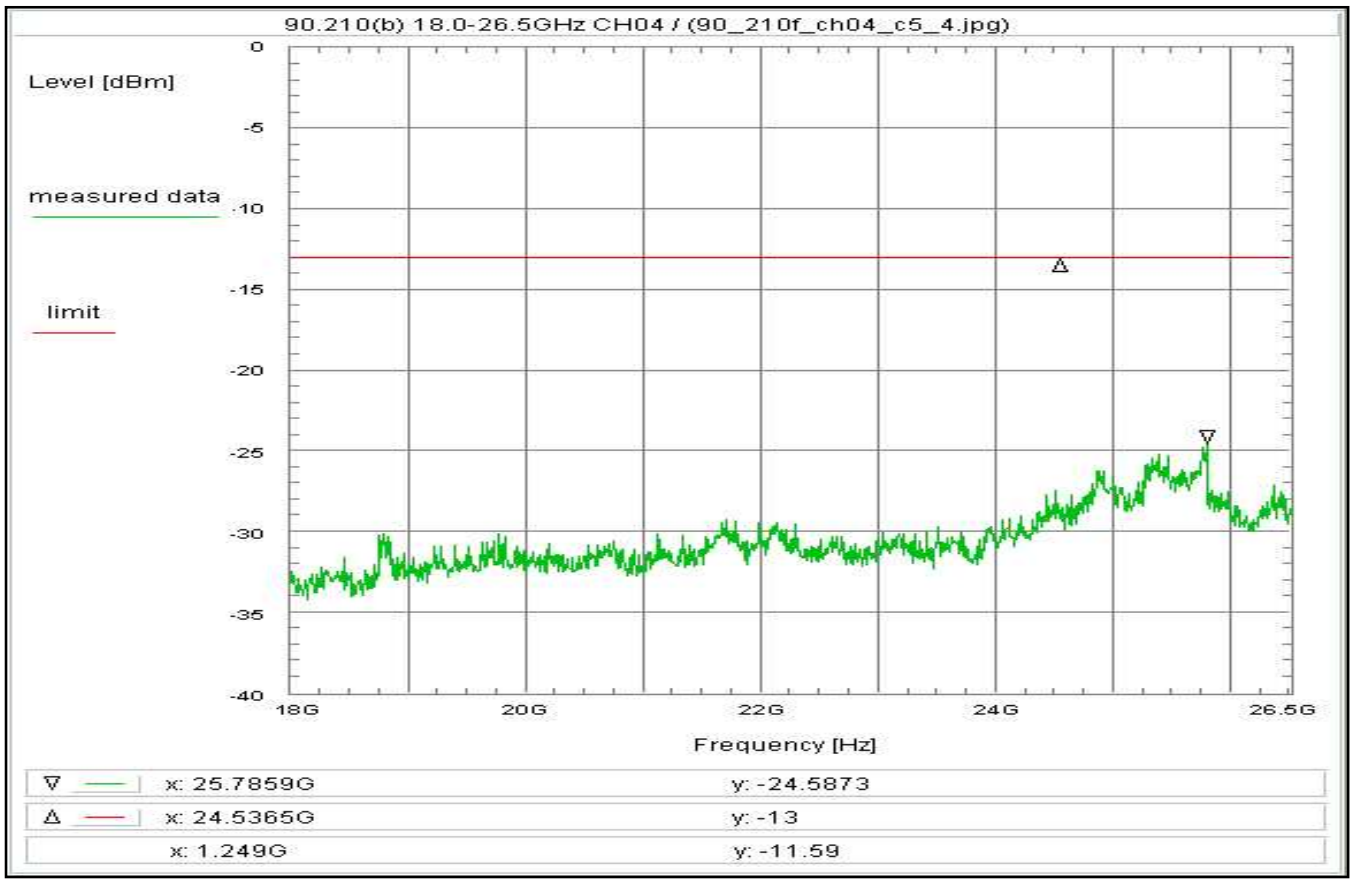
Start frequency:	18	GHz
Stop frequency:	26.5	GHz
Center frequency:	22.25	GHz
Frequency span:	8.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	31.4	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	37.6	dB

Remarks:
CH04, 50 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 106



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 18 - 26.5 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 08:55:03	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

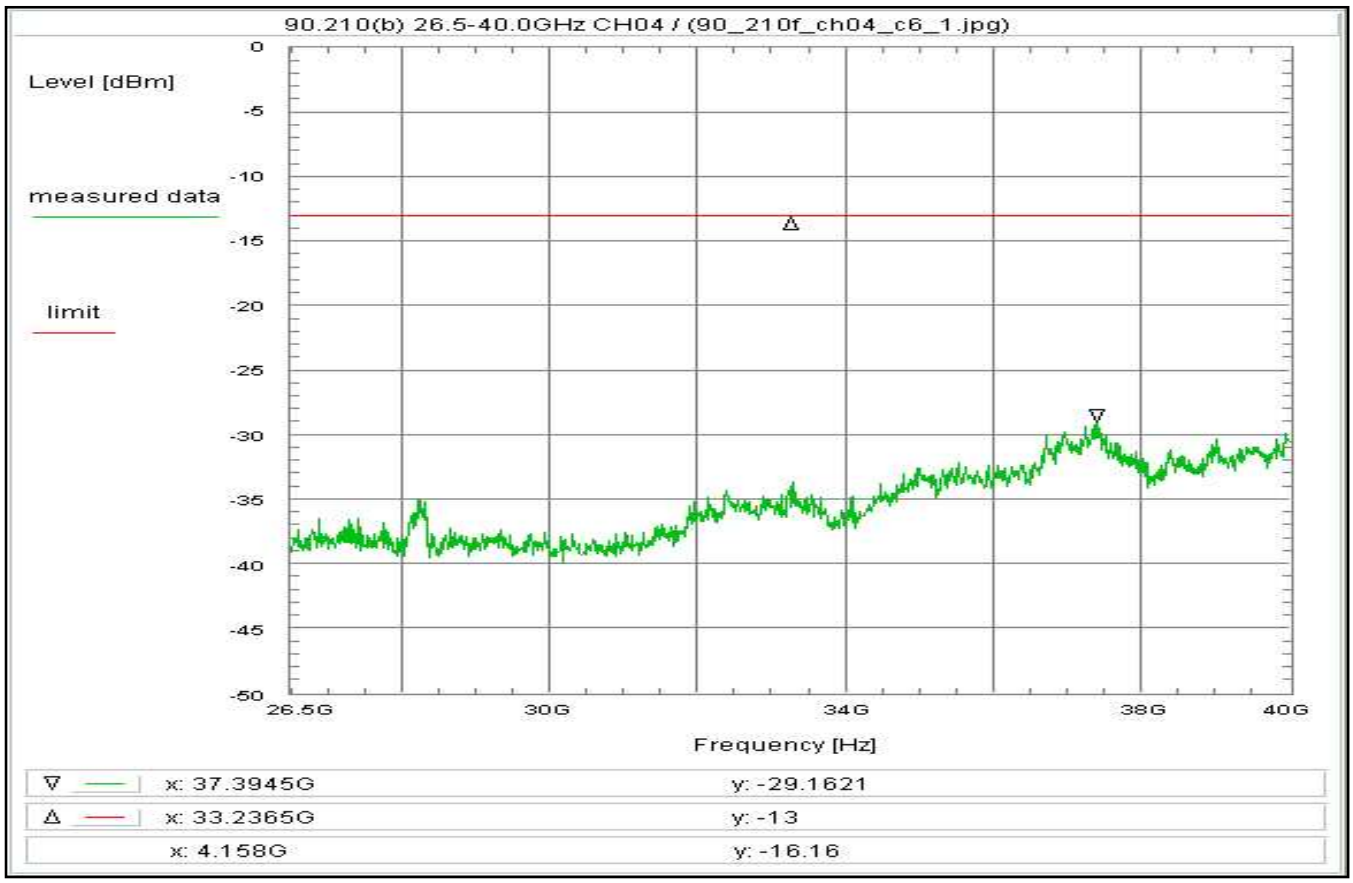
Start frequency:	18	GHz
Stop frequency:	26.5	GHz
Center frequency:	22.25	GHz
Frequency span:	8.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	10	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.3	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	31.4	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	37.6	dB

Remarks:
CH04, 50 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 107



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 26.5 - 40 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 16:38:43	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

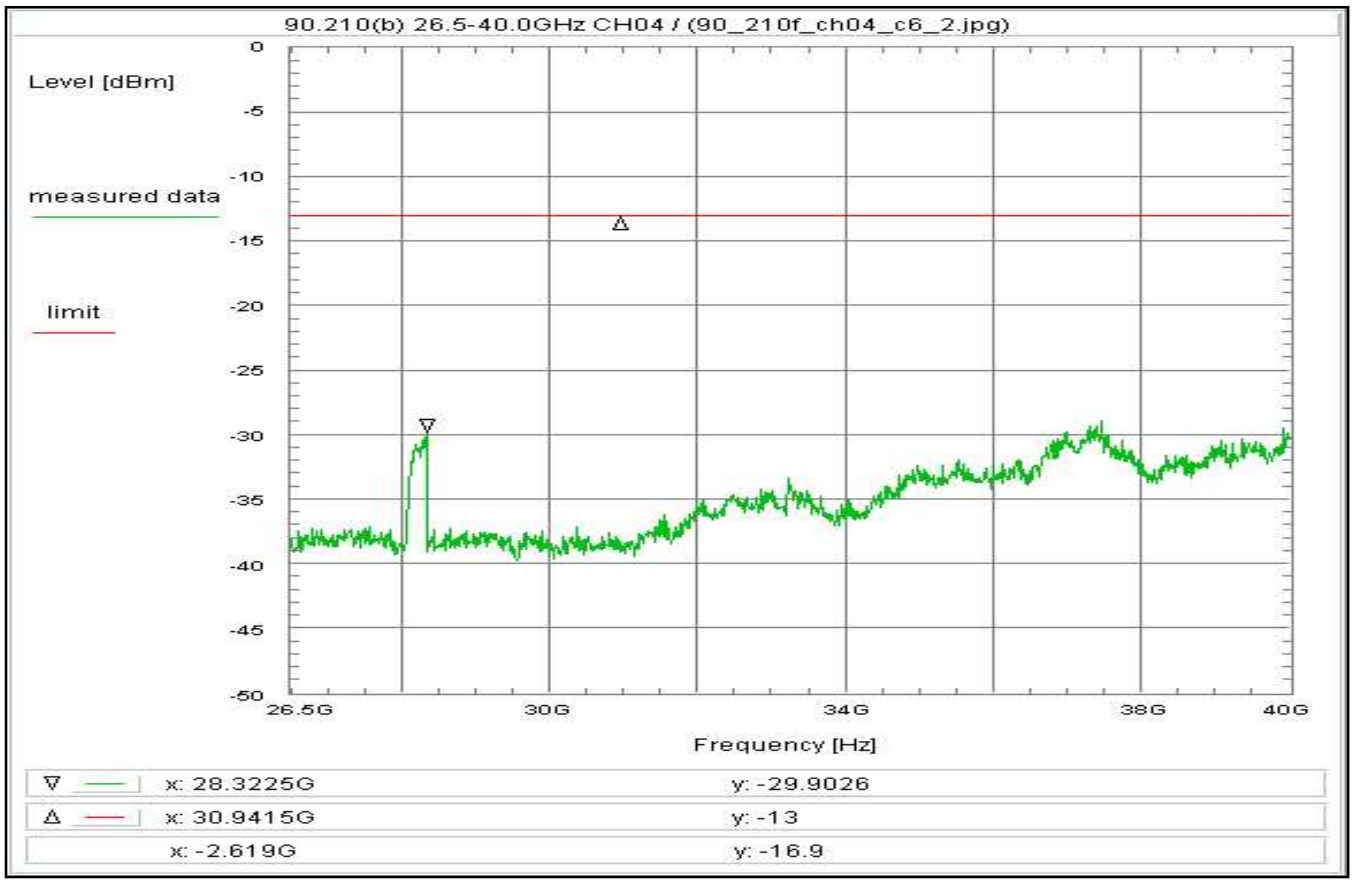
Start frequency:	26.5	GHz
Stop frequency:	40	GHz
Center frequency:	33.25	GHz
Frequency span:	13.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	0	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.9	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	32.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	39.1	dB

Remarks:
CH04, 85 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 108



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 26.5 - 40 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 1, see subclause 1.5.2
CH04, 85 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Wed 05/Feb/2025 17:08:03	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

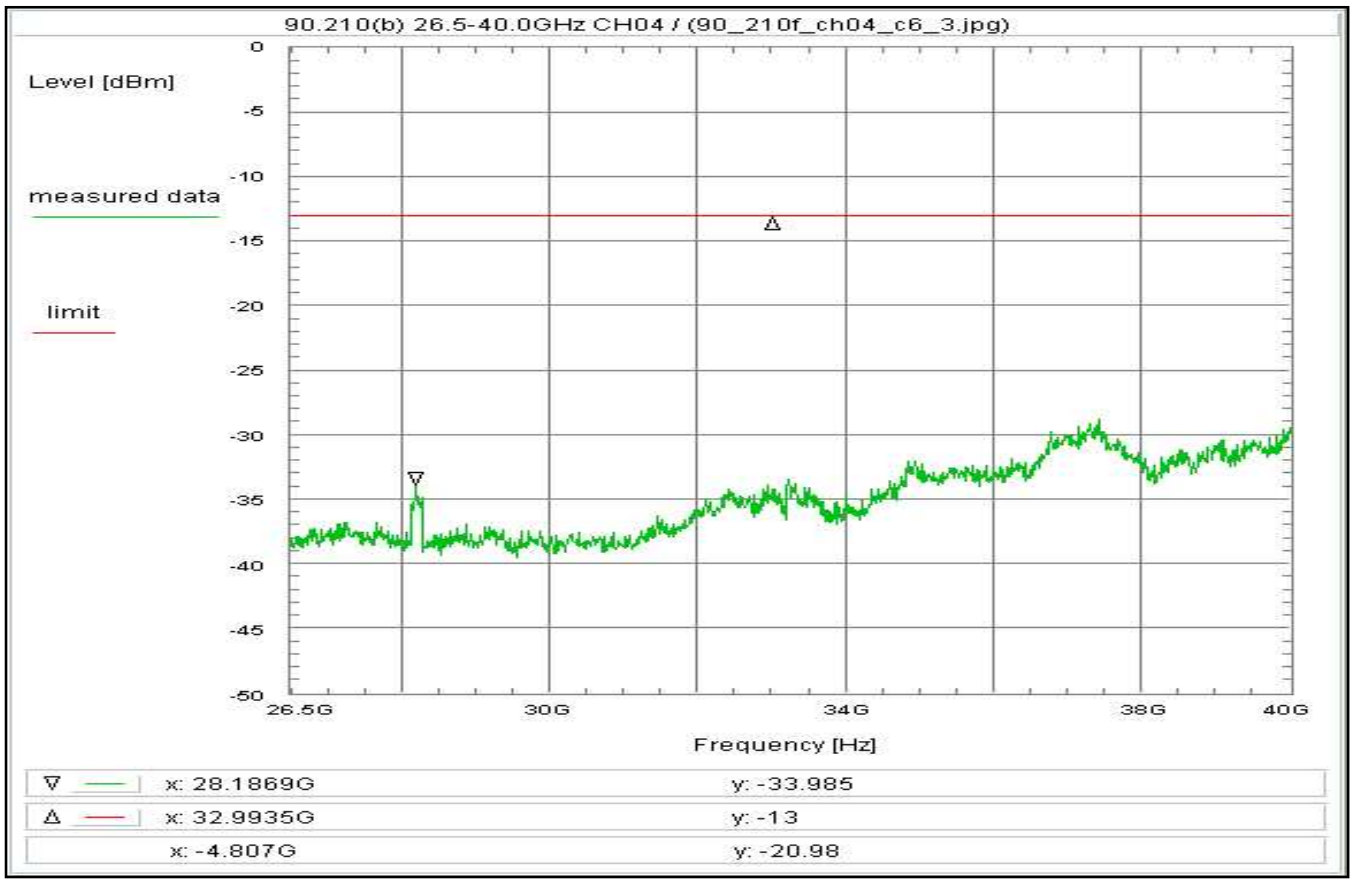
Start frequency:	26.5	GHz
Stop frequency:	40	GHz
Center frequency:	33.25	GHz
Frequency span:	13.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	0	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.9	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	32.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	39.1	dB

Remarks:
CH04, 85 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)

Plot No. 109



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 26.5 - 40 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 10:31:08	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

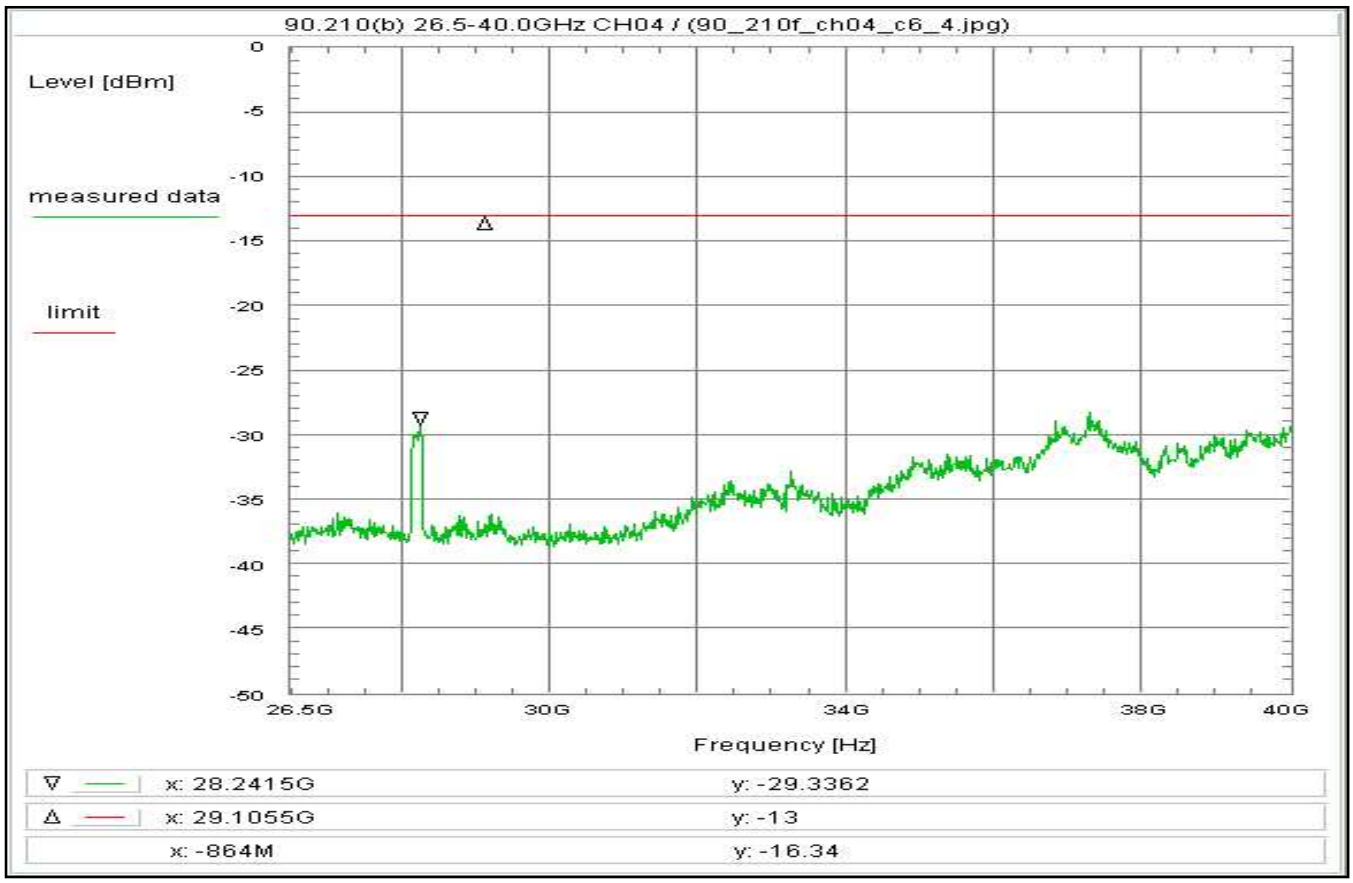
Start frequency:	26.5	GHz
Stop frequency:	40	GHz
Center frequency:	33.25	GHz
Frequency span:	13.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	0	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.9	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	32.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	39.1	dB

Remarks:
CH04, 50 MHz, Tx-Port: 02
Positive-Peak / Max-Hold (wort case)

Plot No. 110



Subclause: 90.210(b) Conducted Spurious Emissions
RF-carrier in frequency range 8.5 - 9.5 GHz
Examination of the frequency range 26.5 - 40 GHz

Limit:
Limit acc. to FCC 47 CFR §90.210(b)
The power of emissions must be attenuated as follows:
(1) On any frequency removed from the assigned frequency by more than 50%, but not more than 100% of the authorized bandwidth: At least 25 dB.
(2) On any frequency removed from the assigned frequency by more than 100%, but not more than 250% of the authorized bandwidth: At least 35 dB.
(3) On any frequency removed from the assigned frequency by more than 250% of the authorized bandwidth: At least 43 + 10 log (P) dB.

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

Operating condition of DUT:
operating condition 2, see subclause 1.5.2
CH04, 50 MHz

Test setup:
see test report chapter 8.x: 1.2hgj

Test equipment:
see test report chapter 8.x: 289, C164, U979

Remark:

Test result: **Test passed**

Environment condition:

Date & Time:	Thu 06/Feb/2025 08:59:39	
Location:	IBL-Lab GmbH, RF-Lab	
Temperature:	23	°C
Humidity:	25	%
Voltage:	115	Vac

Setup of measurement equipment:

Start frequency:	26.5	GHz
Stop frequency:	40	GHz
Center frequency:	33.25	GHz
Frequency span:	13.5	GHz
Resolution-BW:	1	MHz
Video-BW:	3	MHz
Input attenuation:	0	dB
Trace-Mode:	Max-Hold	
Detector-Mode:	Pos Peak	

Correction:

Directional coupler	+	0.0	dB
Coaxial cable (C164)	+	2.9	dB
DUT-Antenna	+	0.0	dBi
Test antenna	+	0.0	dB
BW correction factor	+	0.0	dB
Atten. between HPA and feedhorn	-	0.0	dB
Filter	+	0.0	dB
Attenuator (U979)	+	32.3	dB
Tx power correction factor	+	3.9	dB
TOTAL CORRECTION:	+	39.1	dB

Remarks:
CH04, 50 MHz, Tx-Port: 04
Positive-Peak / Max-Hold (wort case)