UNIFIED COMPLIANCE LABORATORY

427 West 12800 South
Draper, UT 84020

Test Report Attachment

FCC ID	SWX-E7CP
ISED ID	6545A-E7CP
Equipment Under Test	E7-Campus
Test Report Serial Number	TR9552_01
Date of Test(s)	8, 17 – 24 and 31 May 2024
Report Issue Date	November 25, 2024

Test Personnel

Testing performed by	Evan Hartzell, Clay Allred, Kim Rodriguez

Test Location

Testing was performed at the Unified Compliance Laboratory located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2025. This site has also been registered with Innovations, Science and Economic Development (ISED) department as was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2025. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED and MRA US5037.

NVLAP TESTING ilac-MRA

NVLAP LAB CODE 600241-0

1 UNII-7 Band

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	6535.000	24.0	20.000000	PASS
RF output power	6535.000	24.0	20.000000	PASS
Power Spectral Density (SA-2)	6535.000	24.0	20.000000	PASS
In-Band Emissions	6535.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	6535.000	24.0	20.000000	PASS
Frequency Stability	6535.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	6695.000	24.0	20.000000	PASS
Power Spectral Density (SA-2)	6695.000	24.0	20.000000	PASS
In-Band Emissions	6695.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	6695.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	6875.000	24.0	20.000000	PASS
Power Spectral Density (SA-2)	6875.000	24.0	20.000000	PASS
In-Band Emissions	6875.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	6875.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	6525.000	24.0	40.000000	PASS
Power Spectral Density (SA-2)	6525.000	24.0	40.000000	PASS
In-Band Emissions	6525.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	6525.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	6685.000	24.0	40.000000	PASS
Power Spectral Density (SA-2)	6685.000	24.0	40.000000	PASS
In-Band Emissions	6685.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	6685.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	6885.000	24.0	40.000000	PASS
Power Spectral Density (SA-2)	6885.000	24.0	40.000000	PASS
In-Band Emissions	6885.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	6885.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	6545.000	24.0	80.000000	PASS
Power Spectral Density (SA-2)	6545.000	24.0	80.000000	PASS
In-Band Emissions	6545.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	6545.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	6705.000	24.0	80.000000	PASS
Power Spectral Density (SA-2)	6705.000	24.0	80.000000	PASS
In-Band Emissions	6705.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	6705.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	6865.000	24.0	80.000000	PASS
Power Spectral Density (SA-2)	6865.000	24.0	80.000000	PASS
In-Band Emissions	6865.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	6865.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	6505.000	24.0	160.000000	PASS
Power Spectral Density (SA-2)	6505.000	24.0	160.000000	PASS
In-Band Emissions	6505.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	6505.000	24.0	160.000000	PASS
Tx Spurious Emission	6505.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Average)	6505.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Peak)	6505.000	24.0	160.000000	PASS
Emission Bandwidth 26 dB	6665.000	24.0	160.000000	PASS
Power Spectral Density (SA-2)	6665.000	24.0	160.000000	PASS
In-Band Emissions	6665.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	6665.000	24.0	160.000000	PASS
Tx Spurious Emission	6665.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Average)	6665.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Peak)	6665.000	24.0	160.000000	PASS
Emission Bandwidth 26 dB	6825.000	24.0	160.000000	PASS
Power Spectral Density (SA-2)	6825.000	24.0	160.000000	PASS

In-Band Emissions	6825.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	6825.000	24.0	160.000000	PASS
Tx Spurious Emission	6825.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Average)	6825.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Peak)	6825.000	24.0	160.000000	PASS
Emission Bandwidth 26 dB	6585.000	24.0	320.000000	PASS
Power Spectral Density (SA-2)	6585.000	24.0	320.000000	PASS
In-Band Emissions	6585.000	24.0	320.000000	PASS
Occupied Channel Bandwidth 99%	6585.000	24.0	320.000000	PASS
Tx Spurious Emission	6585.000	24.0	320.000000	PASS
Emissions in restricted frequency bands (Average)	6585.000	24.0	320.000000	PASS
Emissions in restricted frequency bands (Peak)	6585.000	24.0	320.000000	PASS

Emission Bandwidth 26 dB (6535 MHz; 24.000 dBm; 20 MHz)

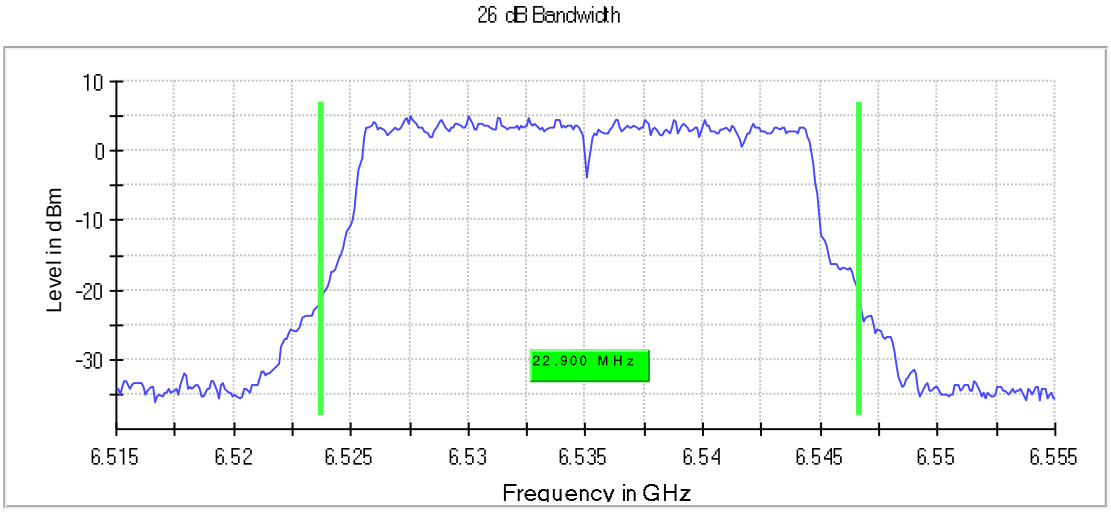
Customized settings.

26 dB Bandwidth

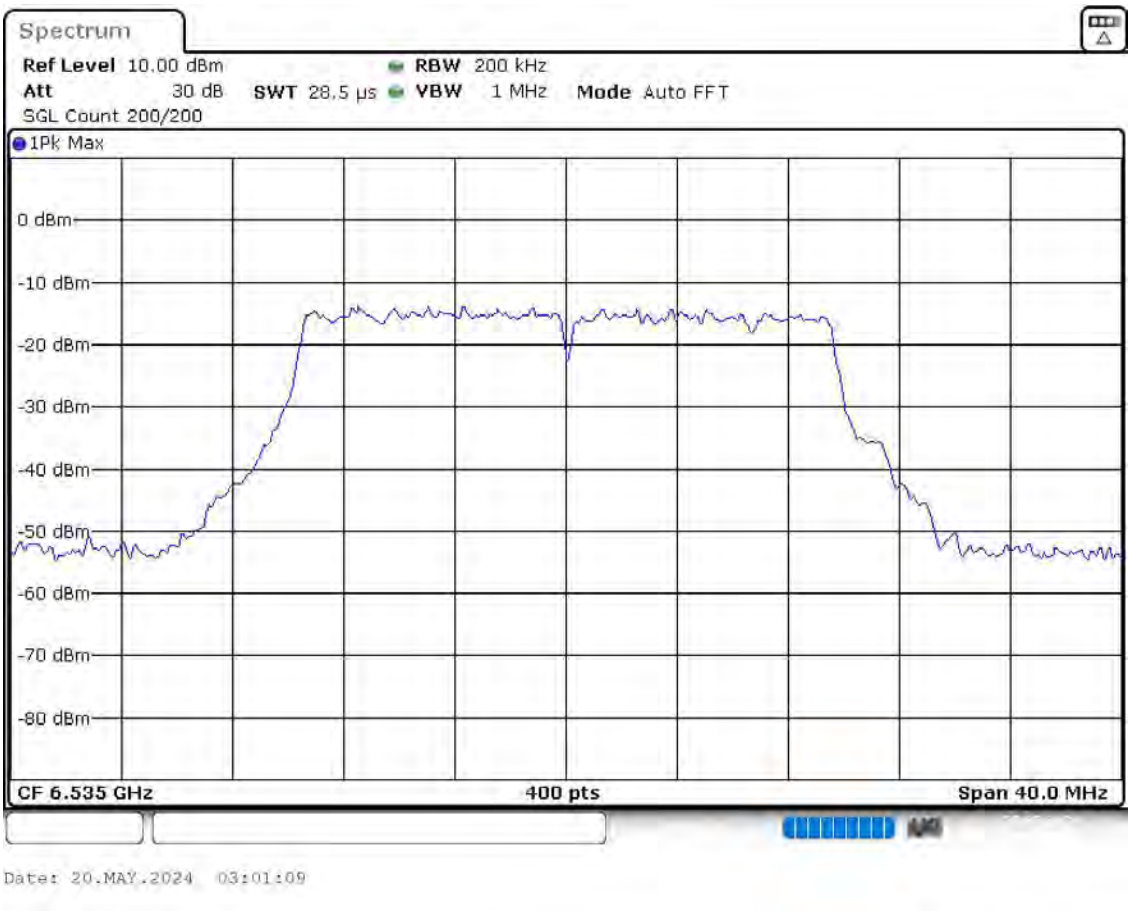
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6535.000000	22.900000	---	320.000000	6523.750000	---

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6535.000000	6546.650000	---	5.1	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.51500 GHz	6.51500 GHz
Stop Frequency	6.55500 GHz	6.55500 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
Sweeptime	28.477 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

RF output power (6535 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated EIRP (dBm)	Limit Max (dBm)	Gated RMS (dBm)	DutyCycle (%)	Result
6535.000000	22.9	24.0	22.9	99.715	PASS

OSP PowerMeter settings

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Power Spectral Density (SA-2) (6535 MHz; 24.000 dBm; 20 MHz)

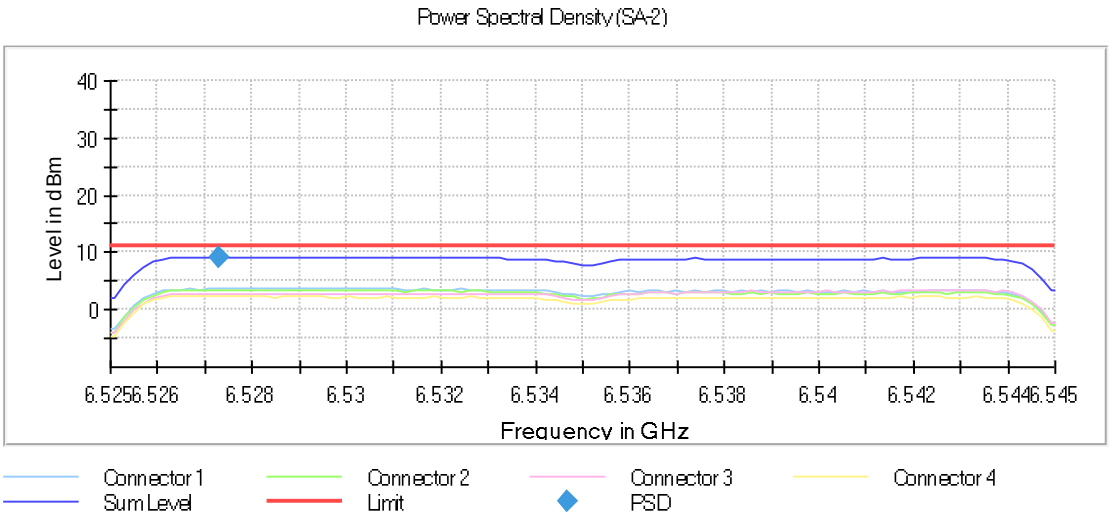
Customized settings.

Result

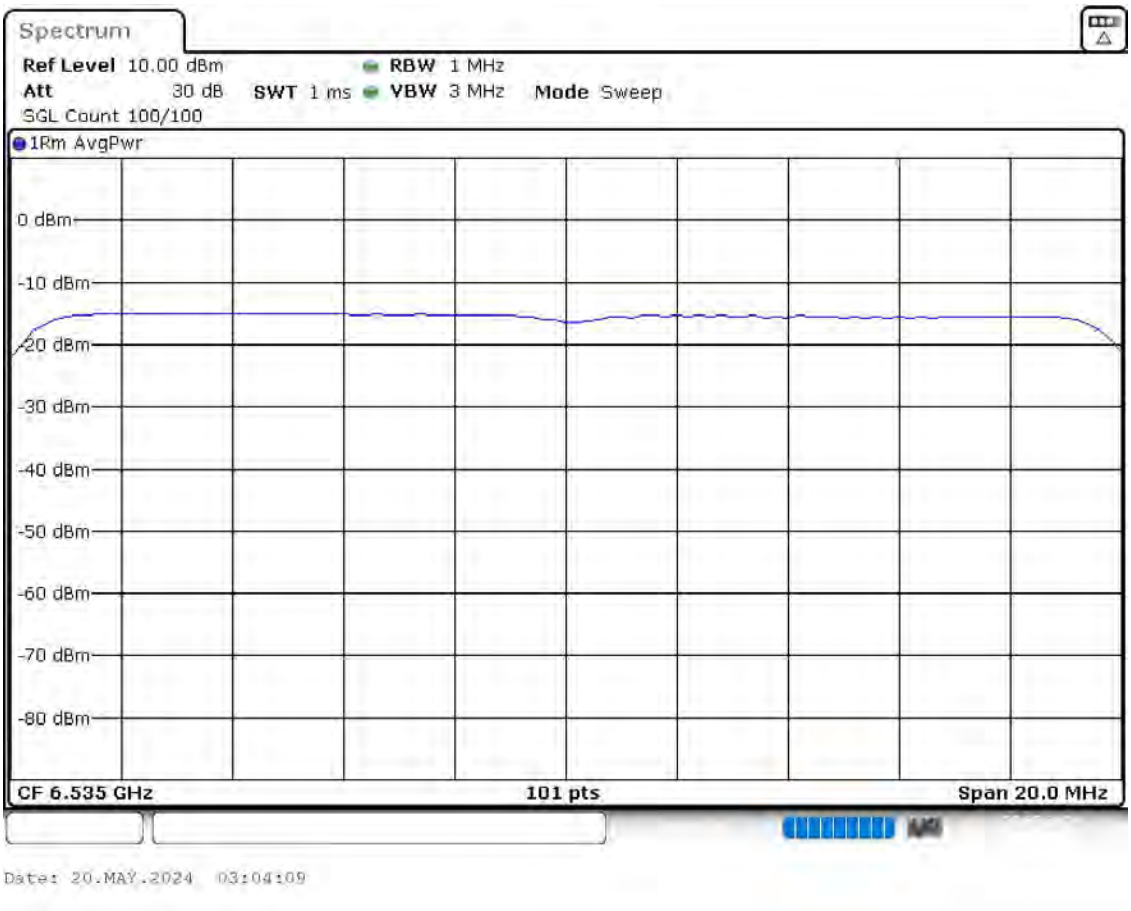
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6535.000000	6527.277228	9.184	11.0	PASS

Ports

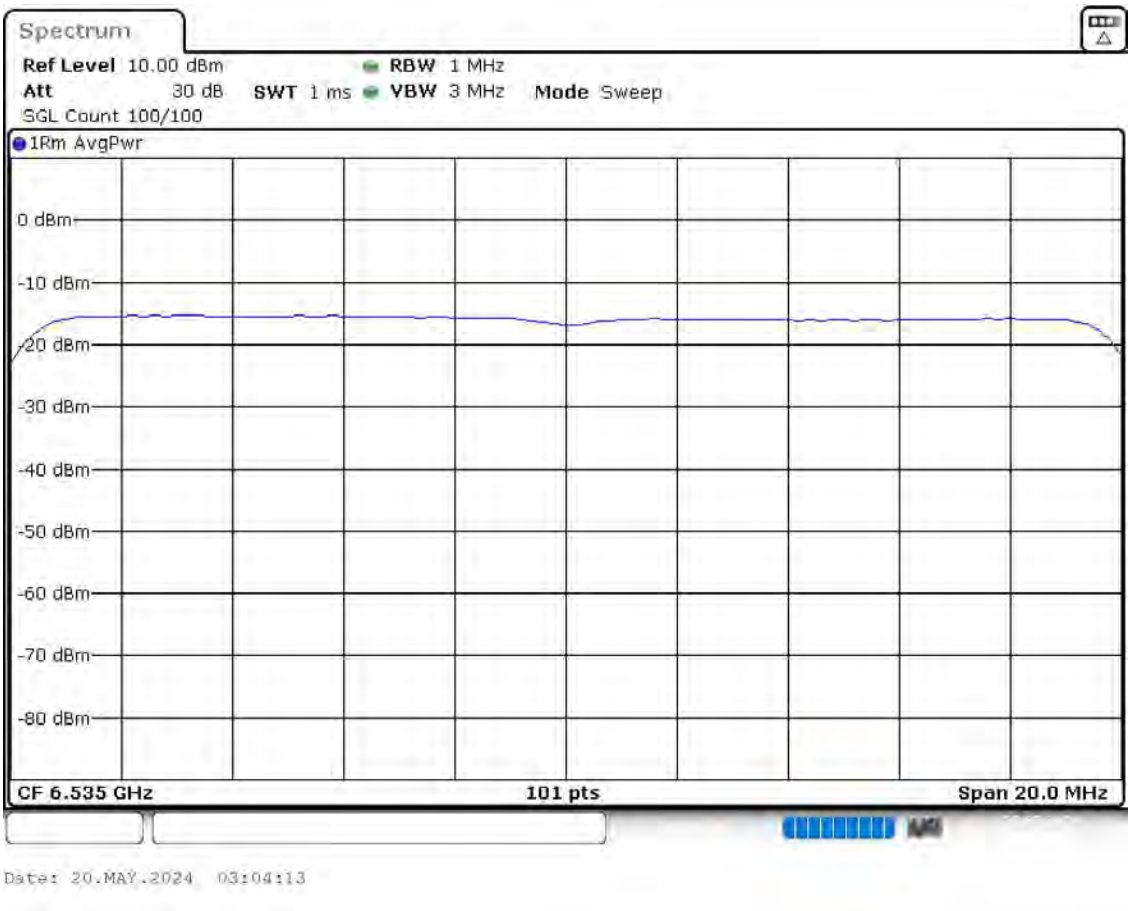
Port	State
1	used
2	used
3	used
4	used



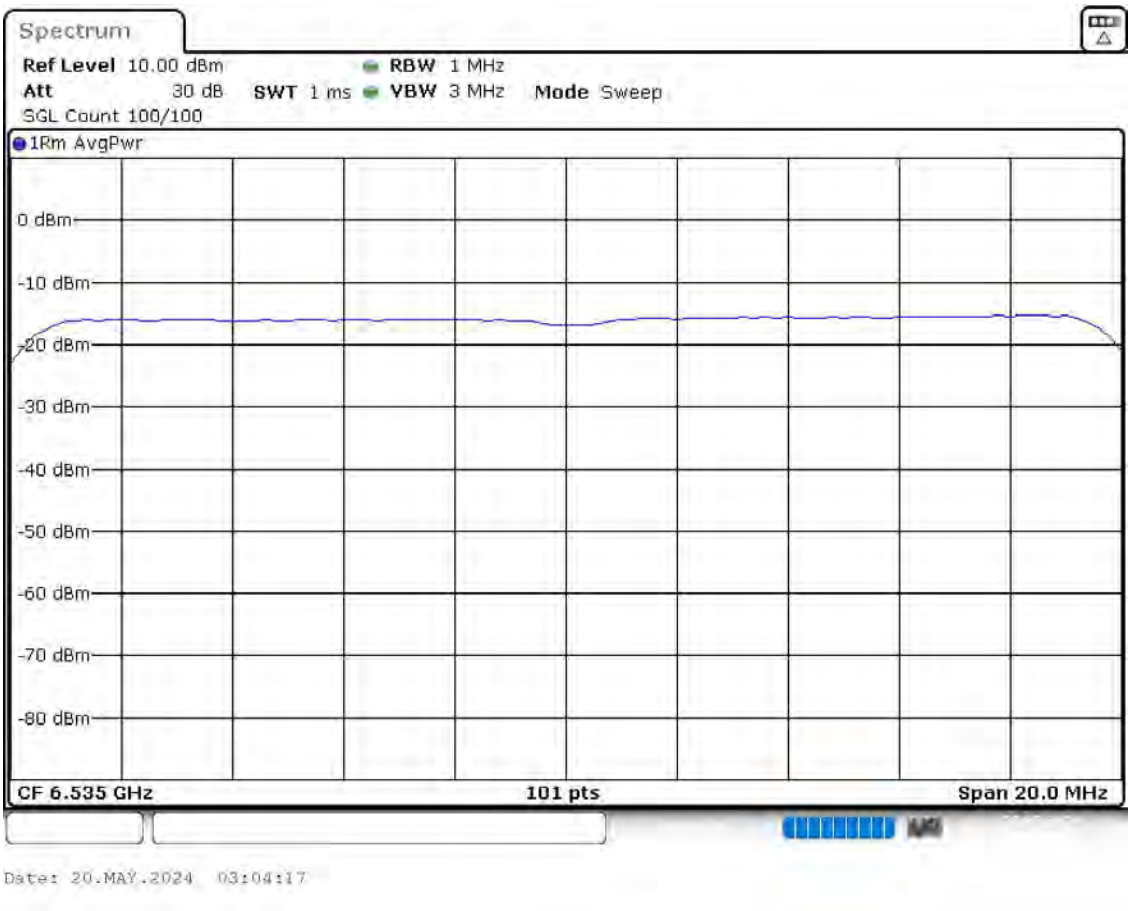
PSD Connector 1



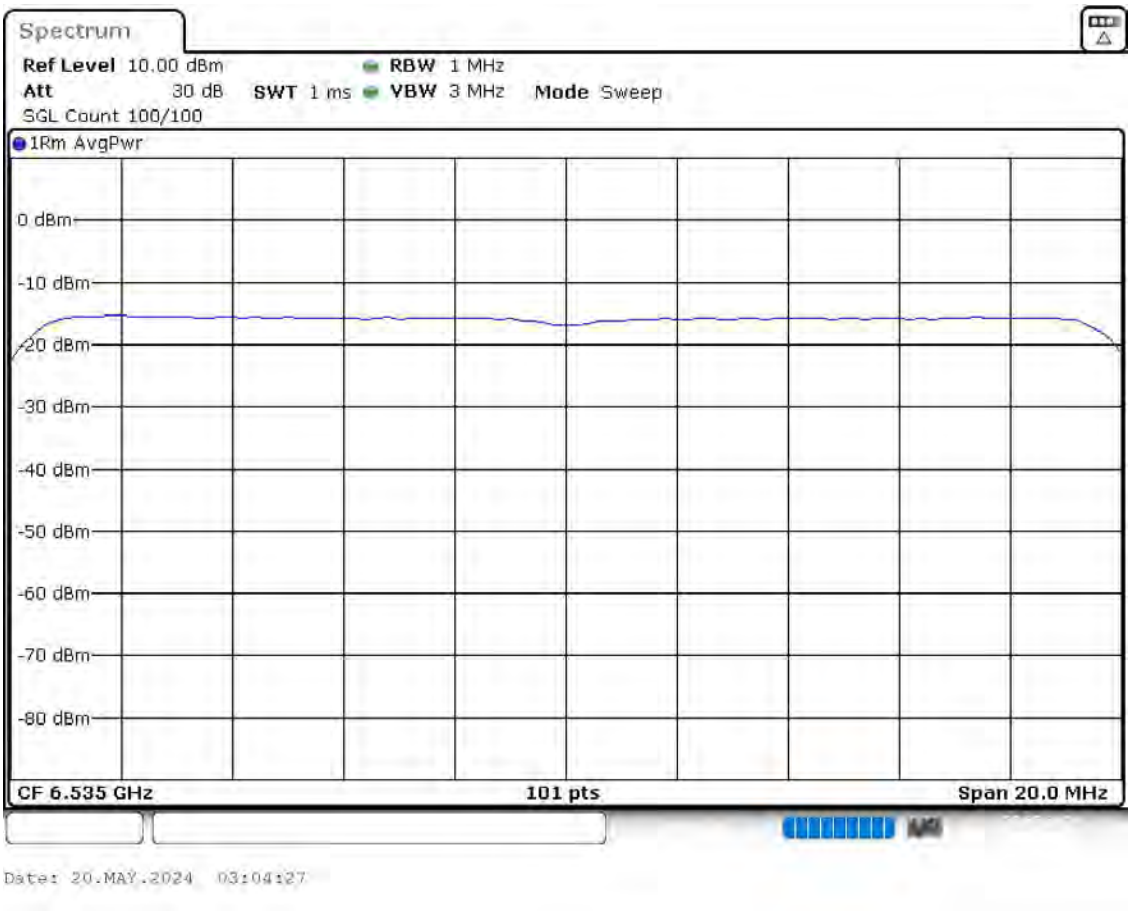
PSD Connector 2



PSD Connector 3



PSD Connector 4



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.52500 GHz	6.52500 GHz
Stop Frequency	6.54500 GHz	6.54500 GHz
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
Sweeptime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
Sweeptype	Sweep	Sweep
Preamp	off	off

In-Band Emissions (6535 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

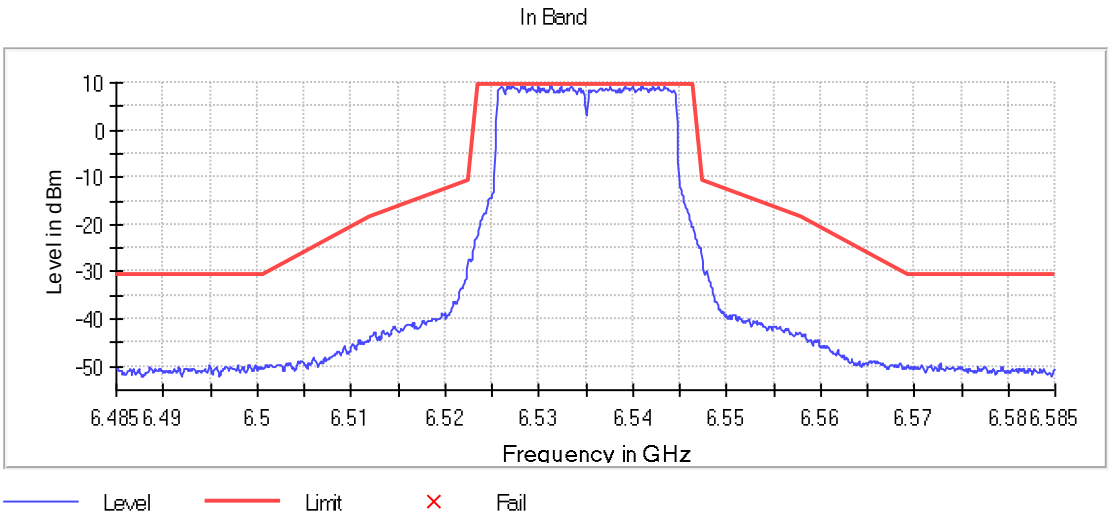
DUT Frequency (MHz)	Result
6535.000000	PASS

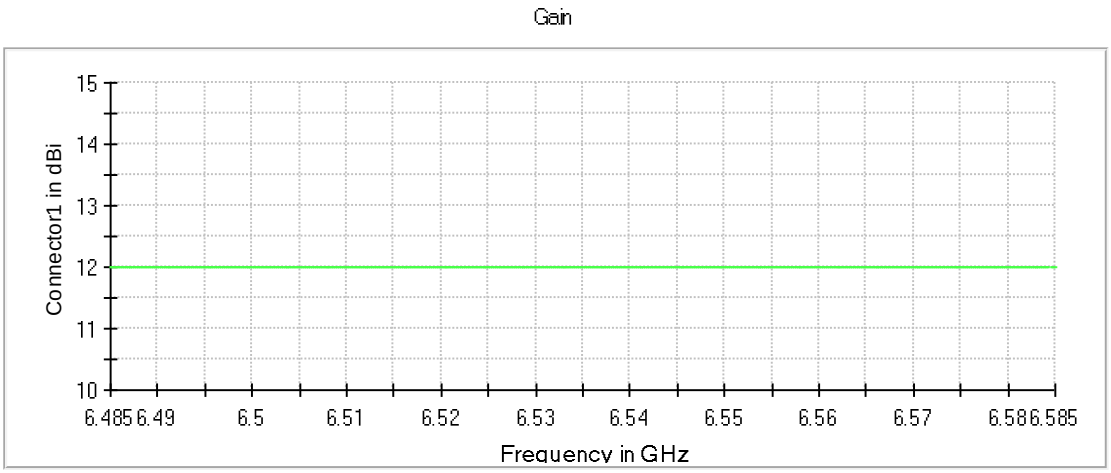
Inband Peak

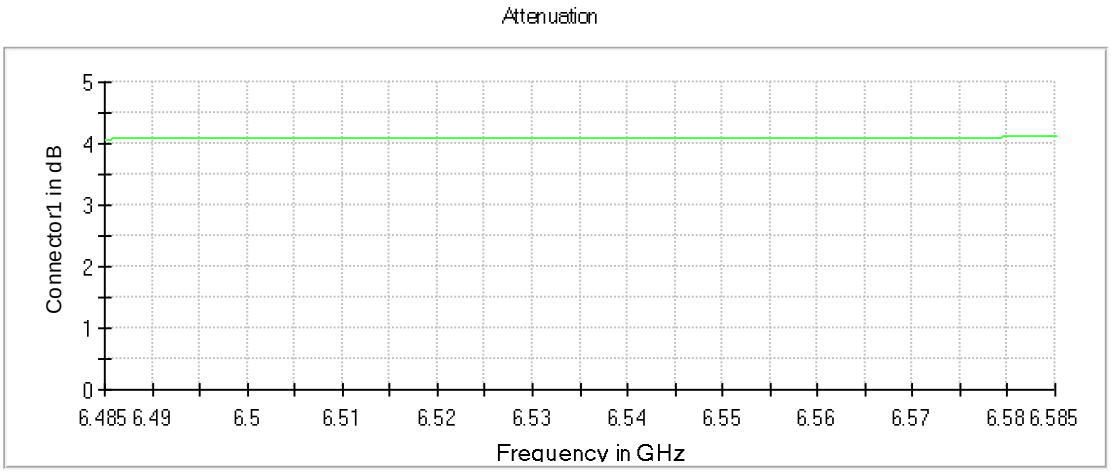
Frequency (MHz)	Level (dBm)
6531.250000	9.5

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6531.250000	9.5	0.0	9.5	PASS
6527.250000	9.3	0.2	9.5	PASS
6532.350000	9.3	0.2	9.5	PASS
6528.150000	9.3	0.2	9.5	PASS
6533.550000	9.2	0.3	9.5	PASS
6542.150000	9.2	0.3	9.5	PASS
6533.450000	9.2	0.3	9.5	PASS
6525.950000	9.1	0.3	9.5	PASS
6540.950000	9.1	0.3	9.5	PASS
6526.050000	9.1	0.3	9.5	PASS
6526.850000	9.1	0.4	9.5	PASS
6543.350000	9.1	0.4	9.5	PASS
6529.250000	9.1	0.4	9.5	PASS
6543.450000	9.1	0.4	9.5	PASS
6527.350000	9.1	0.4	9.5	PASS


In Band
10
0
-10
-20
-30
-40
-50
Level in dBm
6.485
6.49
6.5
6.51
6.52
6.53
6.54
6.55
6.56
6.57
6.586
6.585
Frequency in GHz
Level
Limit
Fail





Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	6.48500 GHz	6.48500 GHz
Stop Frequency	6.58500 GHz	6.58500 GHz
Span	100.000 MHz	100.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	500.000 kHz	~ 600.000 kHz
SweepPoints	1000	~ 1000
Sweeptime	1.050 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
Sweeptype	Sweep	Sweep
Preamp	off	off

Occupied Channel Bandwidth 99% (6535 MHz; 24.000 dBm; 20 MHz)

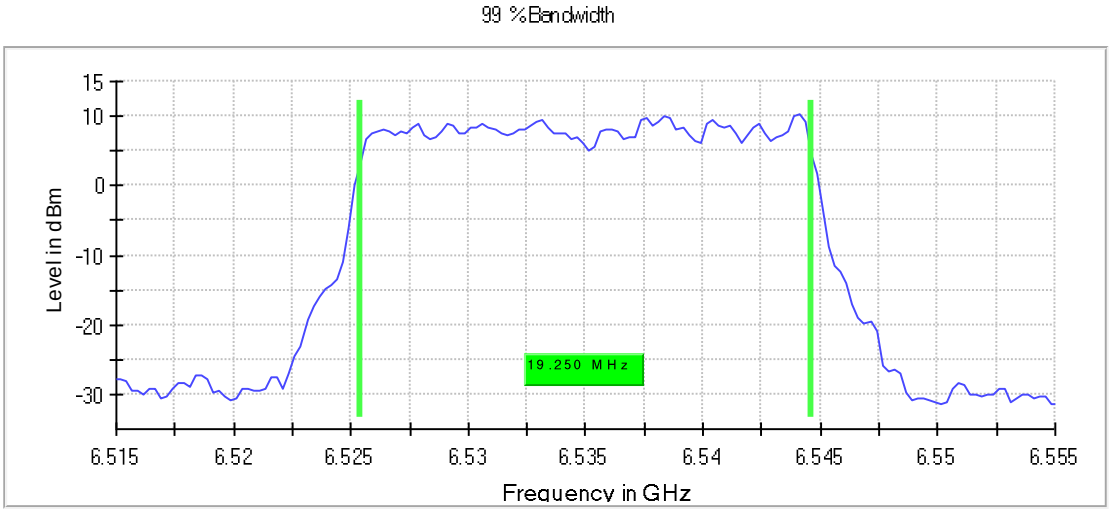
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6535.000000	19.250000	---	320.000000	6525.375000	5925.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6535.000000	6544.625000	7125.000000	PASS



Bandwidth

Measurement

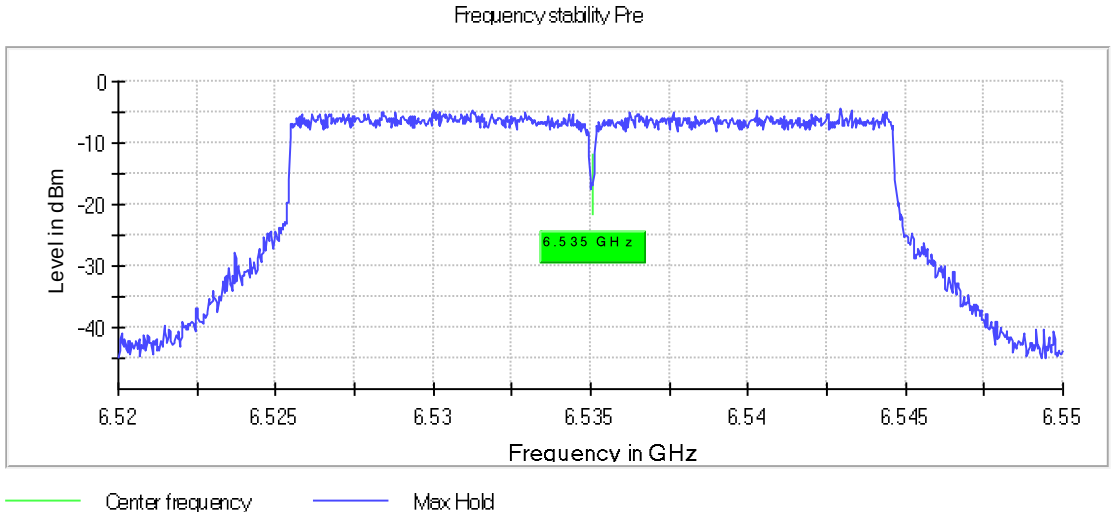
Setting	Instrument Value	Target Value
Start Frequency	6.51500 GHz	6.51500 GHz
Stop Frequency	6.55500 GHz	6.55500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	>= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160
Sweeptime	11.344 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

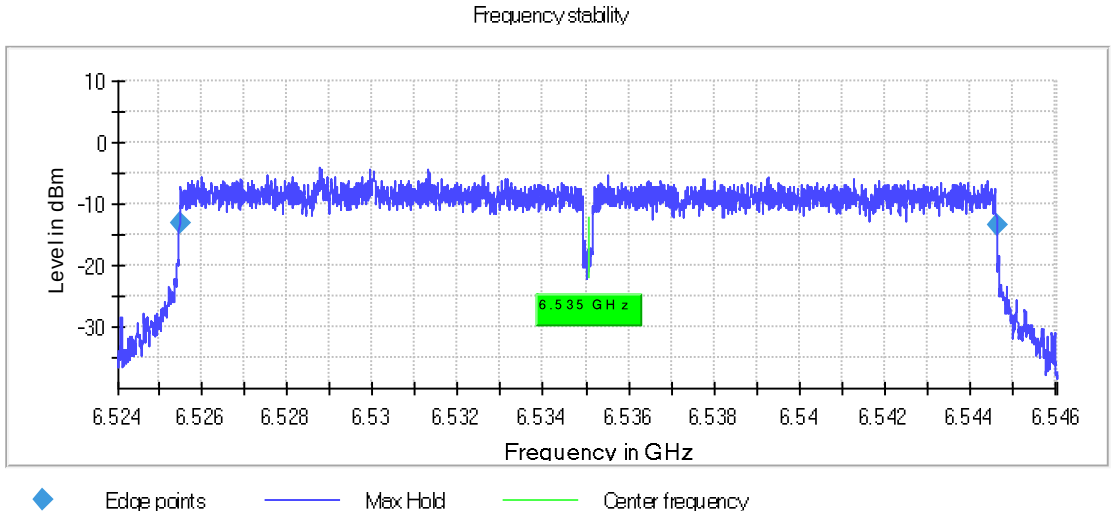
Frequency Stability (6535 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)	Result
6535.000000	6535.048255	7.384	48.254500	---	---	PASS





Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.52404 GHz	6.52404 GHz

Stop Frequency	**6.54604 GHz**	**6.54604 GHz**
Span	**22.000 MHz**	**22.000 MHz**
RBW	**20.000 kHz**	**<= 22.000 kHz**
VBW	**100.000 kHz**	**>= 60.000 kHz**
SweepPoints	**10001**	**~ 10001**
Sweeptime	**473.902 µs**	**AUTO**
Reference Level	**10.000 dBm**	**10.000 dBm**
Attenuation	**30.000 dB**	**AUTO**
Detector	**MaxPeak**	**MaxPeak**
SweepCount	**50**	**50**
Filter	**3 dB**	**3 dB**
Trace Mode	**Max Hold**	**Max Hold**
Sweeptype	**FFT**	**AUTO**
Preamp	**off**	**off**

Emission Bandwidth 26 dB (6695 MHz; 24.000 dBm; 20 MHz)

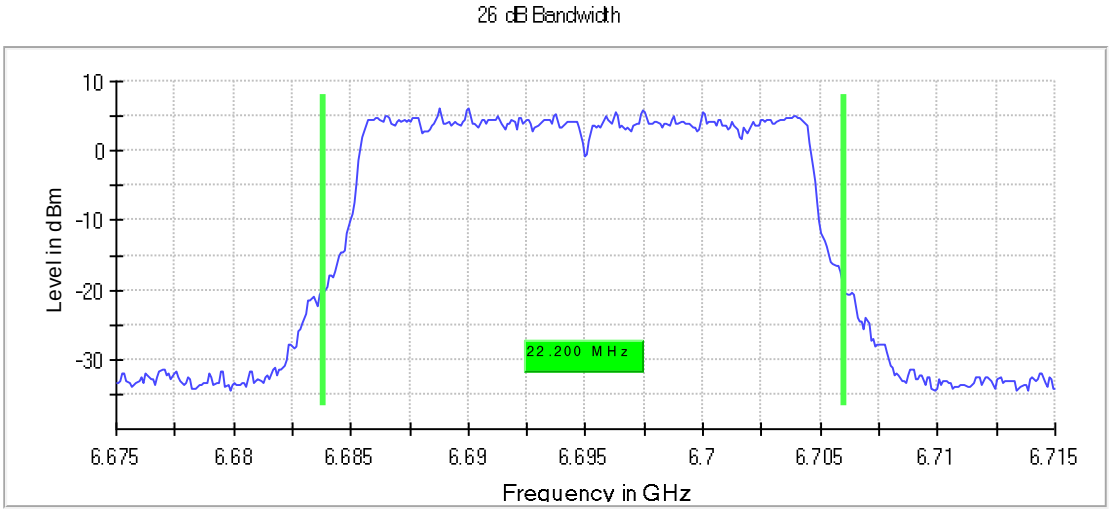
Customized settings.

26 dB Bandwidth

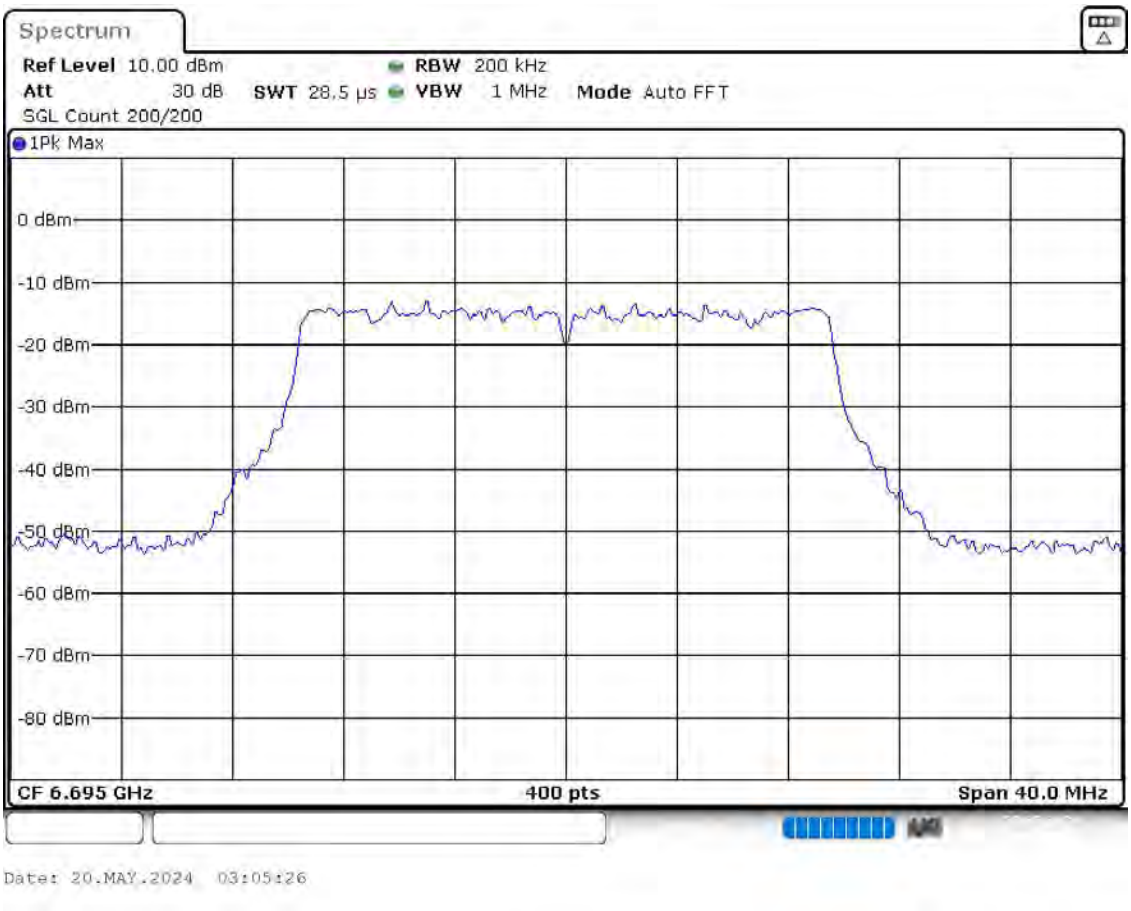
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6695.000000	22.200000	---	320.000000	6683.850000	---

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6695.000000	6706.050000	---	6.1	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 200 kHz
Att 30 dB
SWT 28.5 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.695 GHz
400 pts
Span 40.0 MHz
Date: 20.MAY.2024 03:05:26

Power Spectral Density (SA-2) (6695 MHz; 24.000 dBm; 20 MHz)

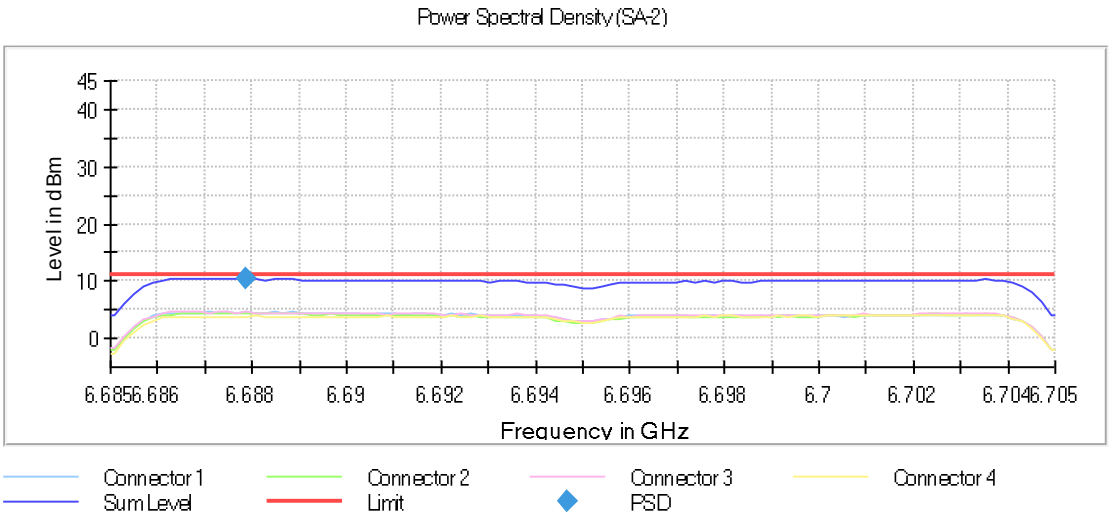
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6695.000000	6687.871287	10.407	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6695 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

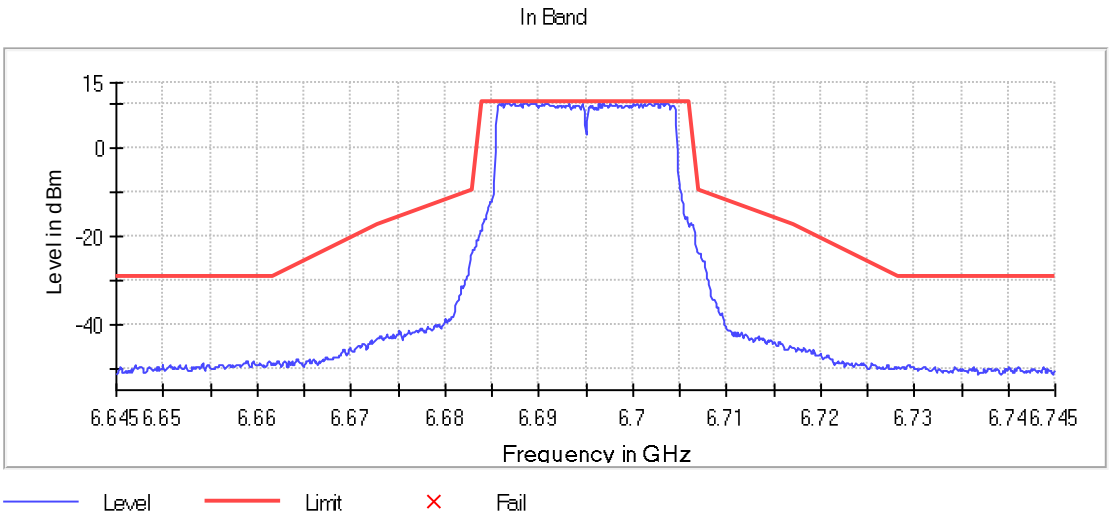
DUT Frequency (MHz)	Result
6695.000000	PASS

Inband Peak

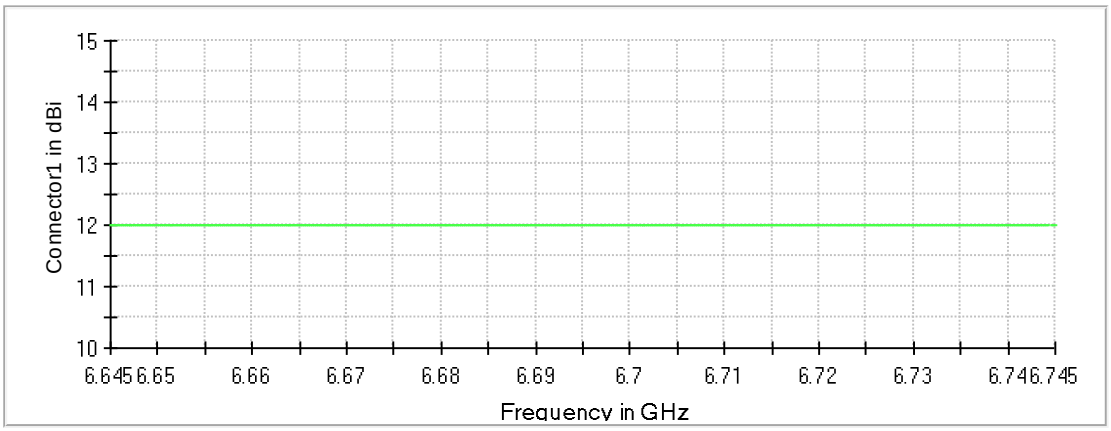
Frequency (MHz)	Level (dBm)
6703.650000	10.7

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6686.450000	10.7	0.0	10.7	PASS
6686.850000	10.5	0.2	10.7	PASS
6688.650000	10.5	0.2	10.7	PASS
6690.750000	10.5	0.2	10.7	PASS
6696.950000	10.4	0.3	10.7	PASS
6686.350000	10.4	0.3	10.7	PASS
6702.550000	10.3	0.4	10.7	PASS
6703.050000	10.3	0.4	10.7	PASS
6686.050000	10.3	0.4	10.7	PASS
6688.050000	10.3	0.4	10.7	PASS
6702.450000	10.3	0.4	10.7	PASS
6697.650000	10.3	0.4	10.7	PASS
6687.450000	10.3	0.4	10.7	PASS
6690.850000	10.3	0.4	10.7	PASS
6689.350000	10.2	0.4	10.7	PASS

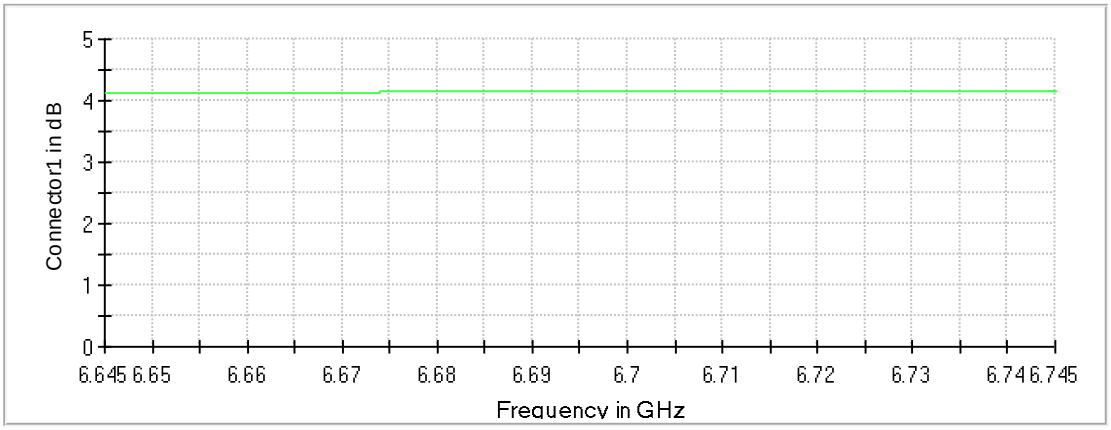

In Band
15
0
-20
-40
Level in dBm
6.645
6.65
6.66
6.67
6.68
6.69
6.7
6.71
6.72
6.73
6.746
6.745
Frequency in GHz
Level
Limit
Fail

Gain



Connector1

Attenuation



Connector1

Occupied Channel Bandwidth 99% (6695 MHz; 24.000 dBm; 20 MHz)

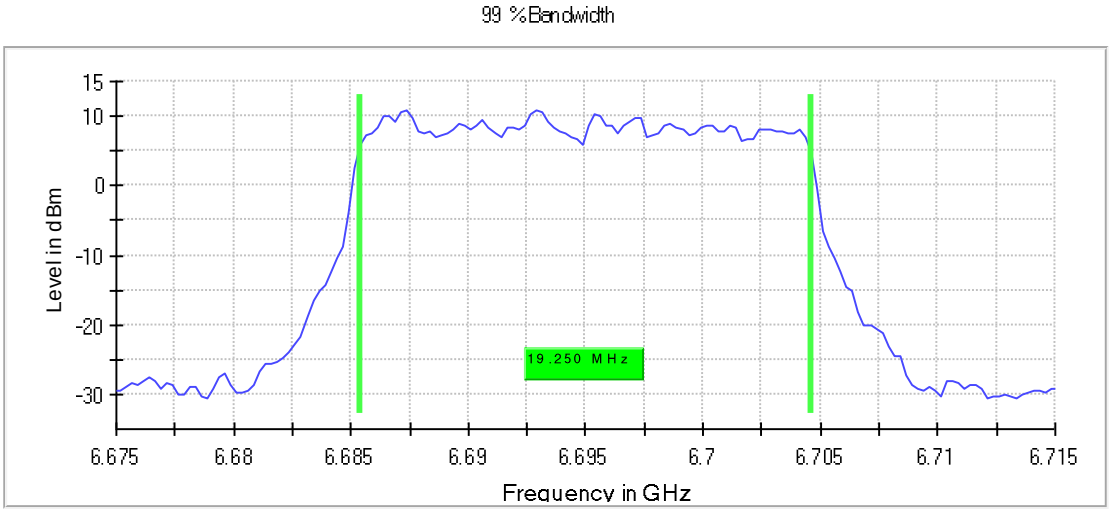
Customized settings.

99 % Bandwidth

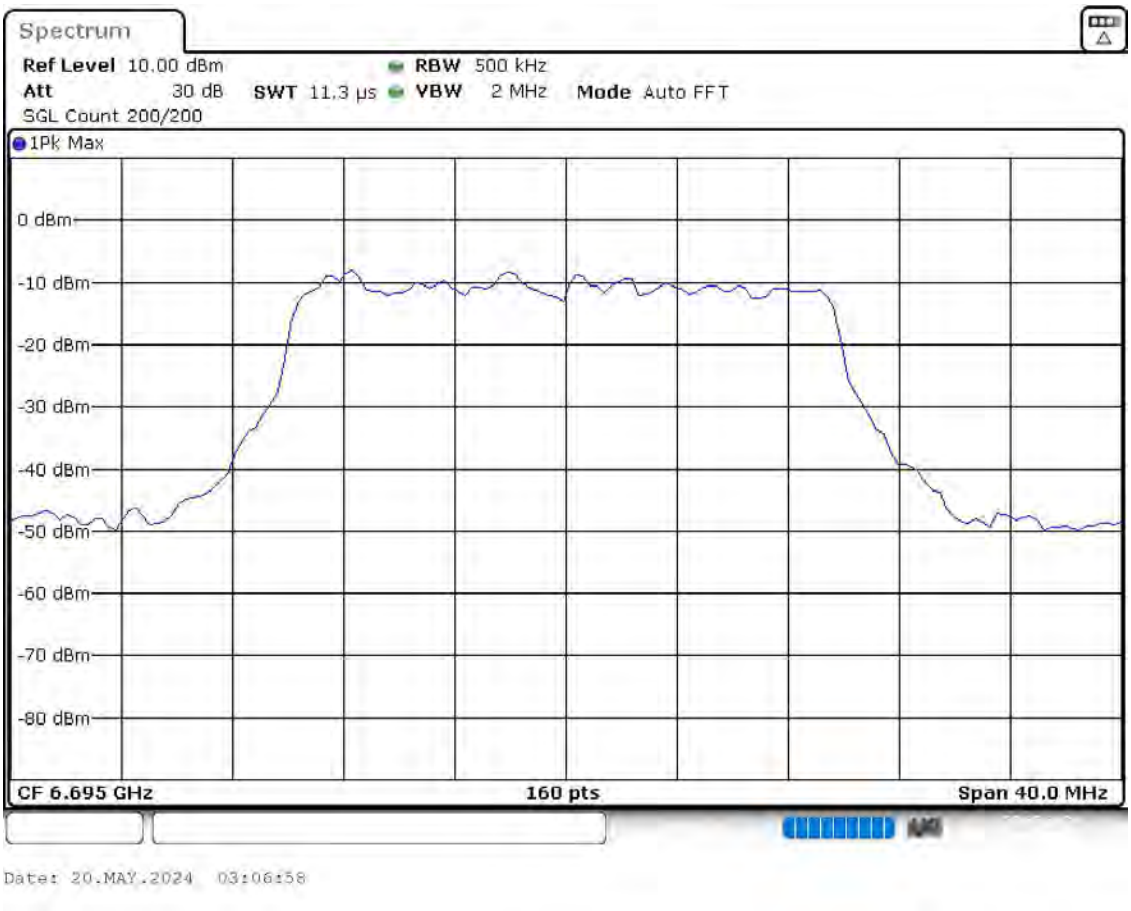
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6695.000000	19.250000	---	320.000000	6685.375000	5925.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6695.000000	6704.625000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
Att 30 dB
SWT 11.3 µs
VBW 2 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.695 GHz
160 pts
Span 40.0 MHz
Date: 20.MAY.2024 03:06:58

Emission Bandwidth 26 dB (6875 MHz; 24.000 dBm; 20 MHz)

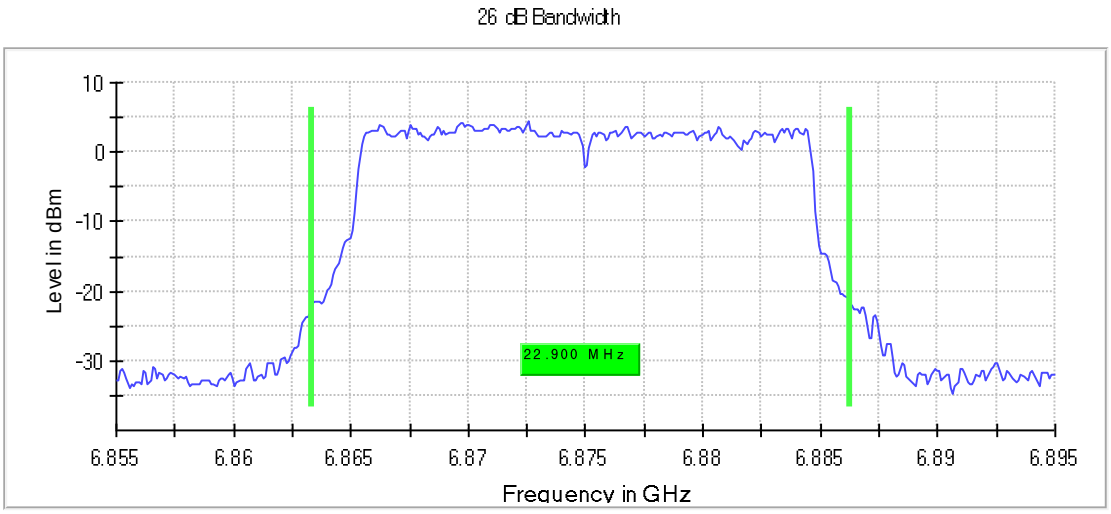
Customized settings.

26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6875.000000	22.900000	11.650000	11.250000	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6875.000000	6863.350000	---	6886.250000	---	4.4	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 200 kHz
Att 30 dB
SWT 28.5 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.875 GHz
400 pts
Span 40.0 MHz
Date: 20.MAY.2024 03:10:30

Power Spectral Density (SA-2) (6875 MHz; 24.000 dBm; 20 MHz)

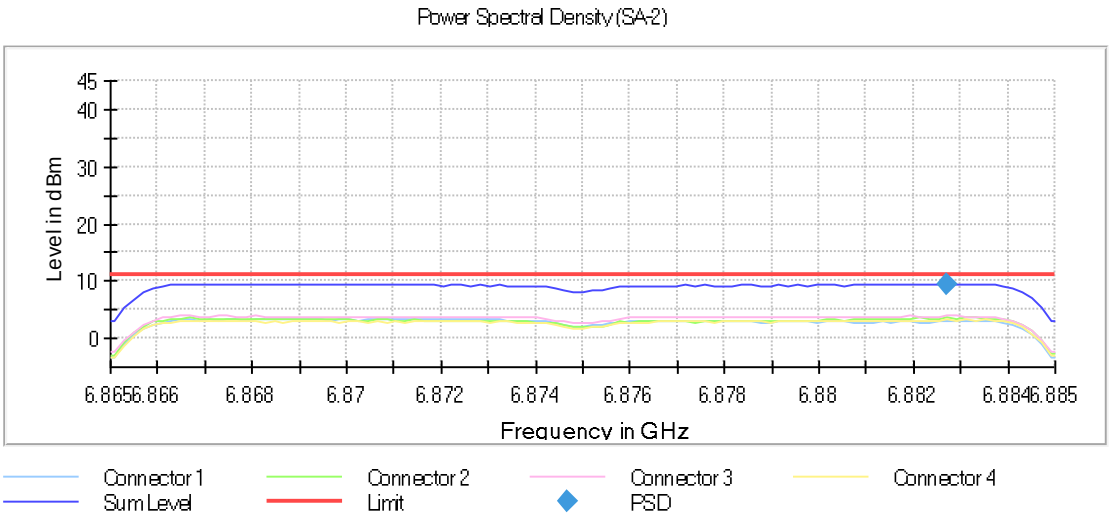
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6875.000000	6882.722772	9.485	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6875 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

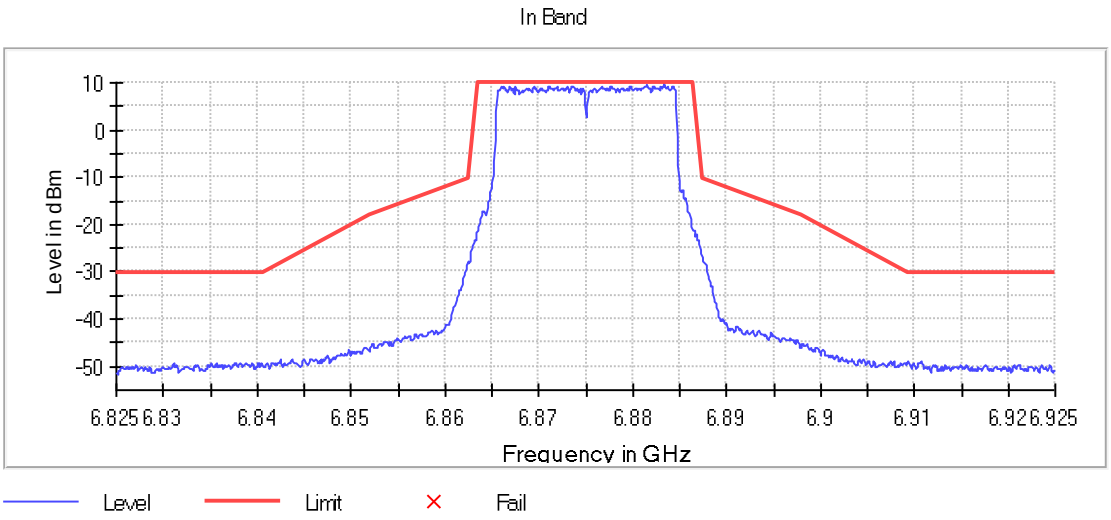
DUT Frequency (MHz)	Result
6875.000000	PASS

Inband Peak

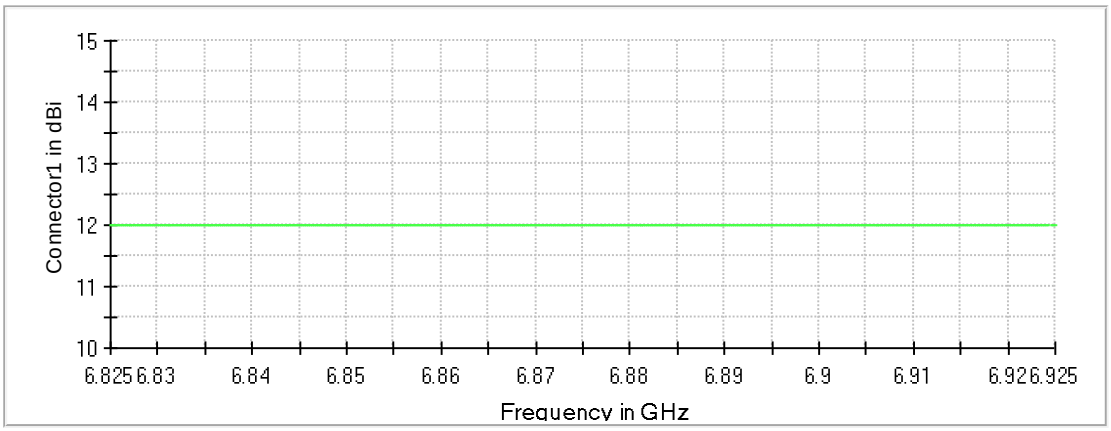
Frequency (MHz)	Level (dBm)
6883.350000	9.8

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6883.350000	9.8	0.0	9.8	PASS
6881.550000	9.6	0.3	9.8	PASS
6883.450000	9.4	0.4	9.8	PASS
6881.450000	9.4	0.4	9.8	PASS
6873.750000	9.4	0.4	9.8	PASS
6884.350000	9.2	0.6	9.8	PASS
6883.250000	9.2	0.6	9.8	PASS
6877.650000	9.2	0.6	9.8	PASS
6866.950000	9.2	0.7	9.8	PASS
6873.650000	9.1	0.7	9.8	PASS
6866.050000	9.1	0.7	9.8	PASS
6873.050000	9.1	0.7	9.8	PASS
6882.150000	9.1	0.7	9.8	PASS
6877.750000	9.1	0.7	9.8	PASS
6884.250000	9.1	0.7	9.8	PASS

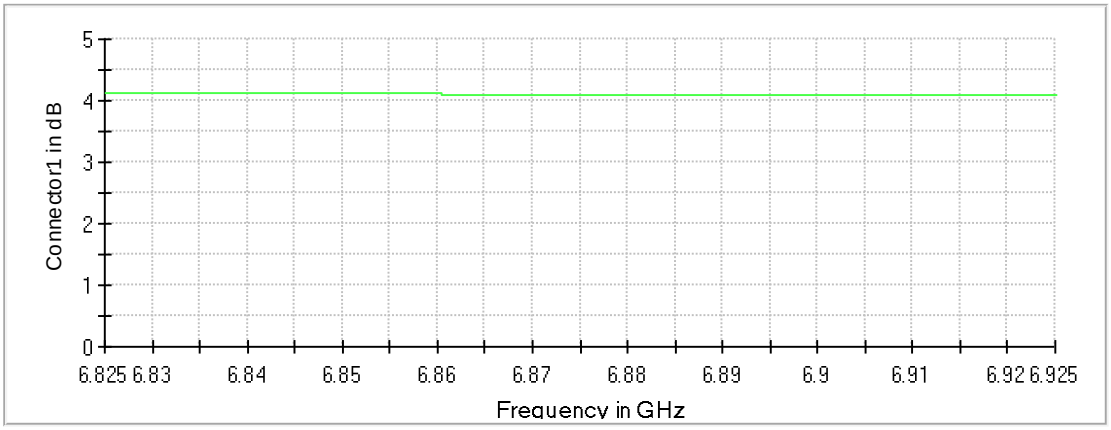

In Band
10
0
-10
-20
-30
-40
-50
Level in dBm
6.825
6.83
6.84
6.85
6.86
6.87
6.88
6.89
6.9
6.91
6.926
6.925
Frequency in GHz
Level
Limit
Fail

Gain



Connector1

Attenuation



Connector1

Occupied Channel Bandwidth 99% (6875 MHz; 24.000 dBm; 20 MHz)

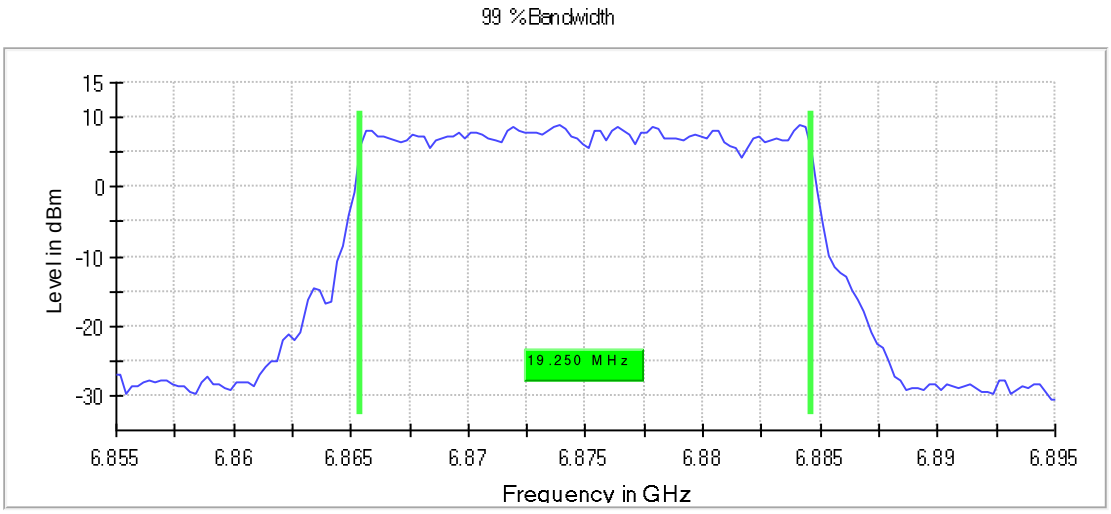
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6875.000000	19.250000	9.625000	9.625000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6875.000000	6865.375000	5925.000000	6884.625000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
Att 30 dB
SWT 11.3 µs
VBW 2 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.875 GHz
160 pts
Span 40.0 MHz
Date: 20.MAY.2024 03:12:11

Emission Bandwidth 26 dB (6525 MHz; 24.000 dBm; 40 MHz)

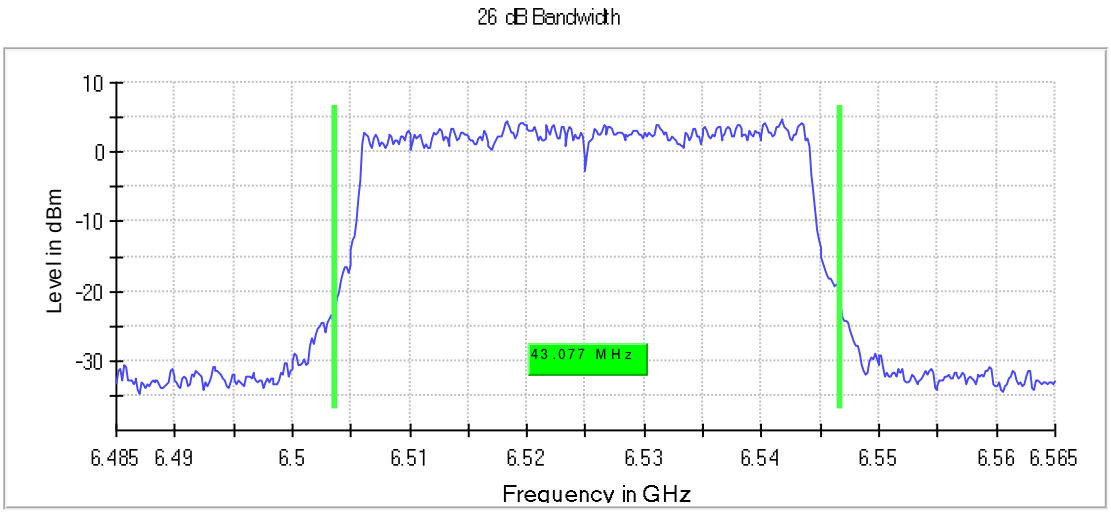
Customized settings.

26 dB Bandwidth

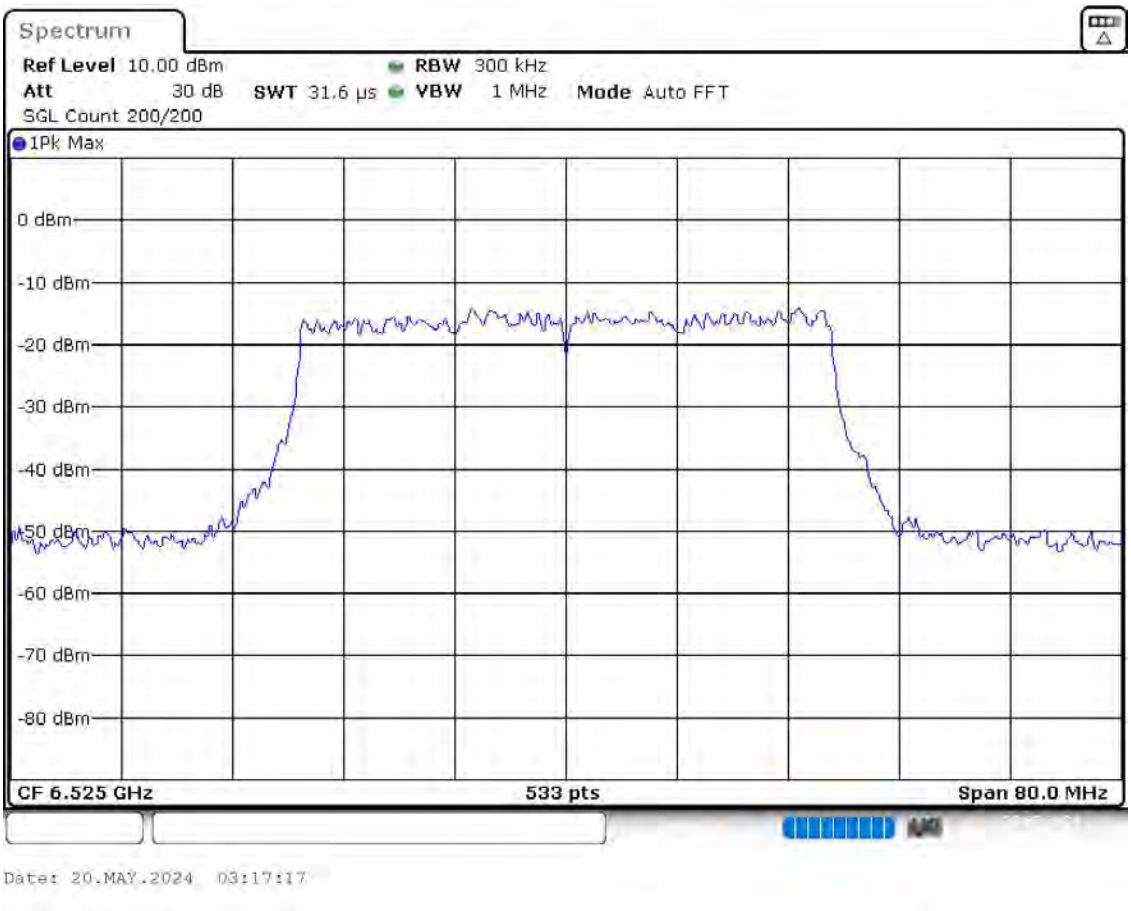
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6525.000000	43.076923	21.313321	21.763602	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6525.000000	6503.686679	---	6546.763602	---	4.7	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 300 kHz
Att 30 dB
SWT 31.6 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.525 GHz
533 pts
Span 80.0 MHz
Date: 20.MAY.2024 03:17:17

Power Spectral Density (SA-2) (6525 MHz; 24.000 dBm; 40 MHz)

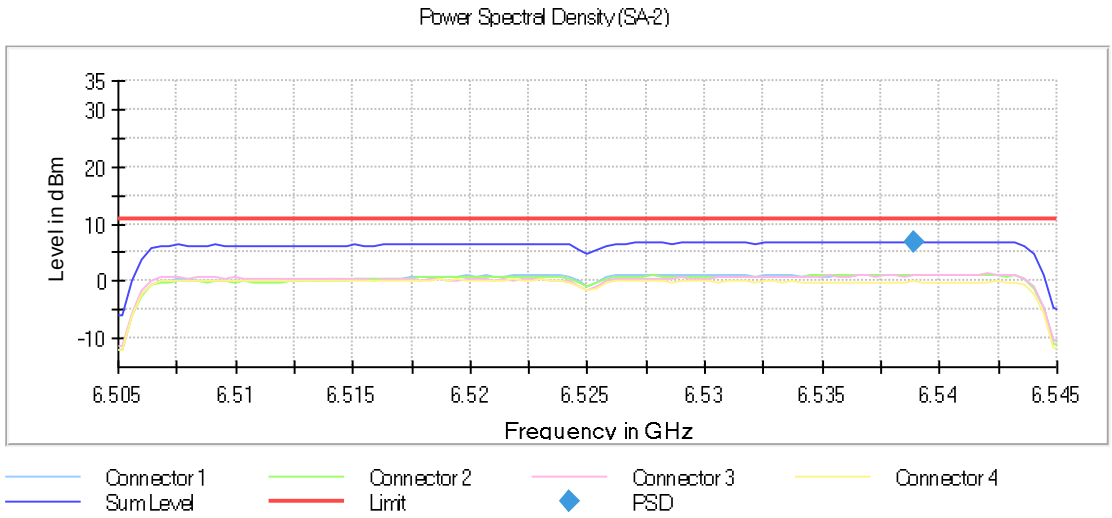
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6525.000000	6538.861386	6.890	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6525 MHz; 24.000 dBm; 40 MHz)

Customized settings.

Result

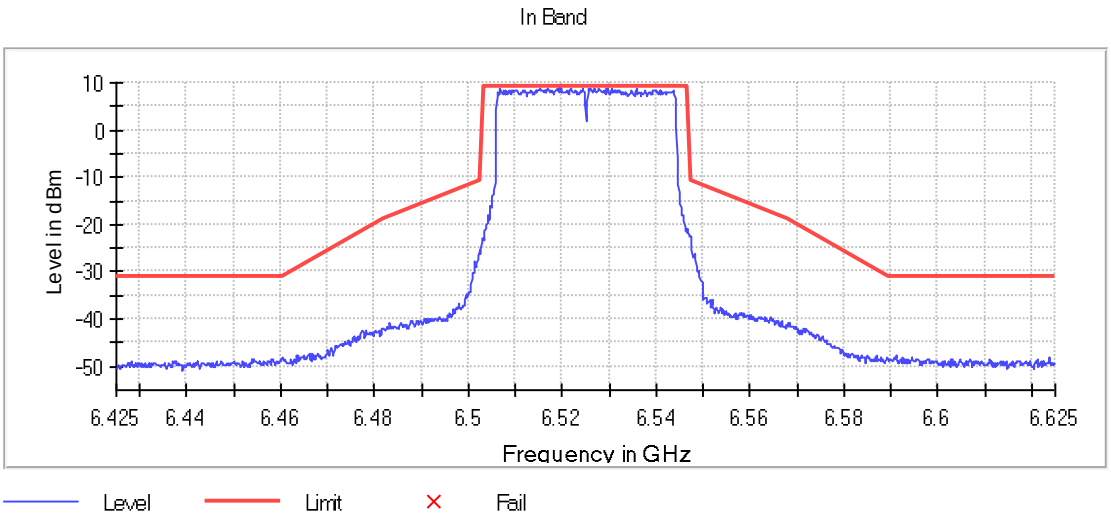
DUT Frequency (MHz)	Result
6525.000000	PASS

Inband Peak

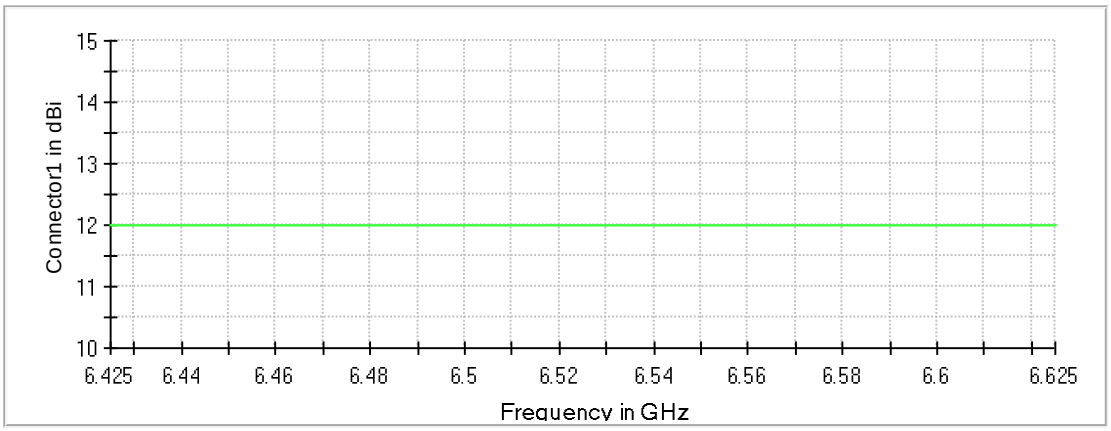
Frequency (MHz)	Level (dBm)
6519.448612	9.1

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6527.850713	8.9	0.2	9.1	PASS
6518.848462	8.8	0.3	9.1	PASS
6525.900225	8.8	0.3	9.1	PASS
6527.700675	8.8	0.3	9.1	PASS
6519.598650	8.8	0.4	9.1	PASS
6530.551388	8.7	0.4	9.1	PASS
6526.800450	8.7	0.4	9.1	PASS
6521.849212	8.7	0.4	9.1	PASS
6519.748687	8.7	0.4	9.1	PASS
6515.247562	8.6	0.5	9.1	PASS
6525.600150	8.6	0.5	9.1	PASS
6529.501125	8.6	0.5	9.1	PASS
6506.845461	8.6	0.5	9.1	PASS
6524.399850	8.6	0.5	9.1	PASS
6529.651163	8.6	0.5	9.1	PASS

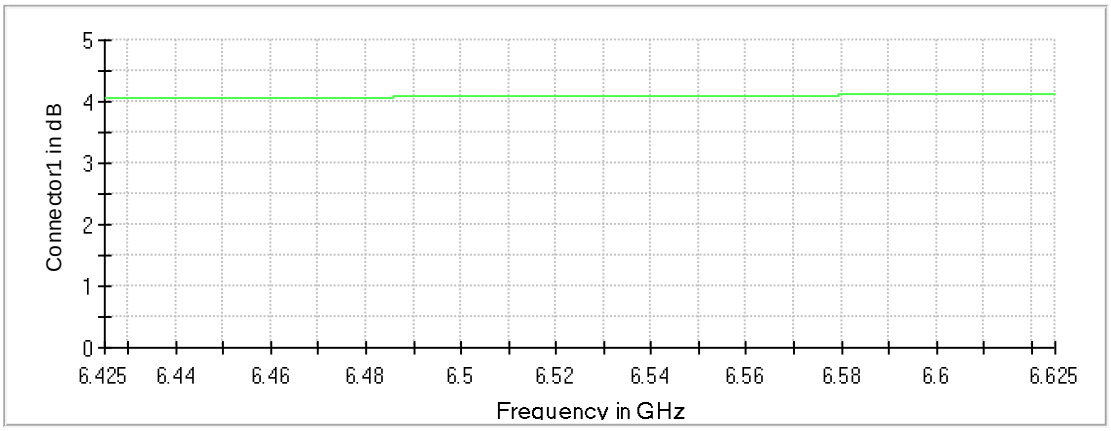

In Band
10
0
-10
-20
-30
-40
-50
Level in dBm
6.425
6.44
6.46
6.48
6.5
6.52
6.54
6.56
6.58
6.6
6.625
Frequency in GHz
Level
Limit
Fail

Gain



Connector1

Attenuation



Connector1

Occupied Channel Bandwidth 99% (6525 MHz; 24.000 dBm; 40 MHz)

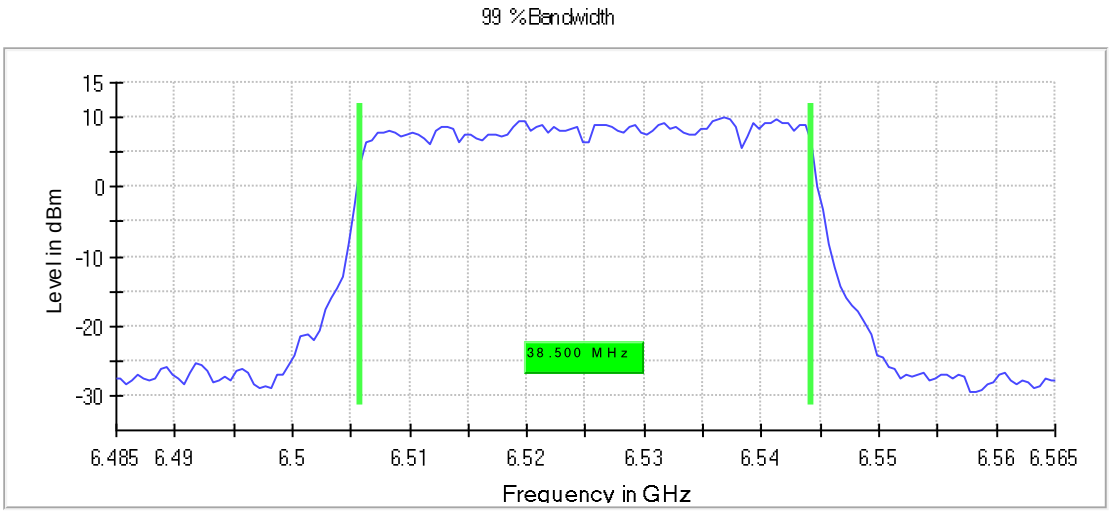
Customized settings.

99 % Bandwidth

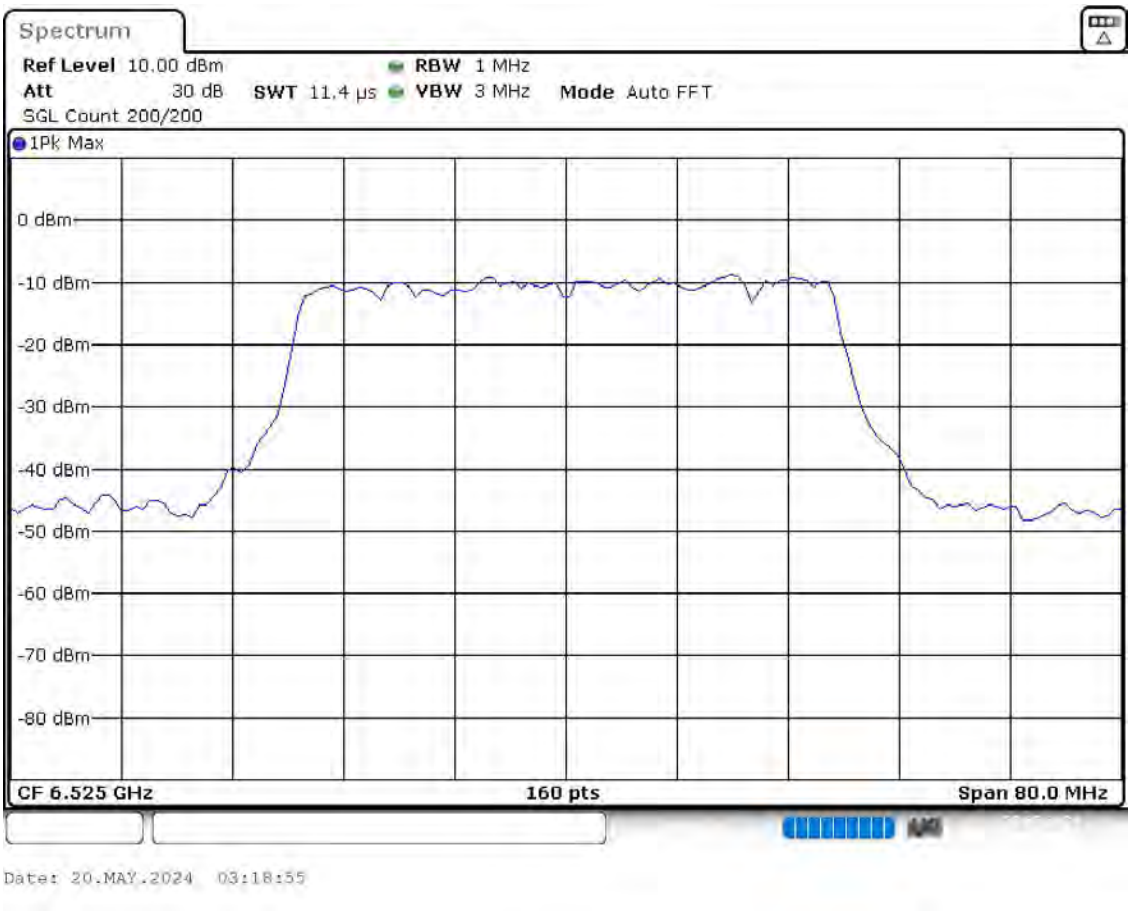
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6525.000000	38.500000	19.250000	19.250000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6525.000000	6505.750000	5925.000000	6544.250000	7125.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.48500 GHz	6.48500 GHz
Stop Frequency	6.56500 GHz	6.56500 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	>= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
Sweeptime	11.438 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

Emission Bandwidth 26 dB (6685 MHz; 24.000 dBm; 40 MHz)

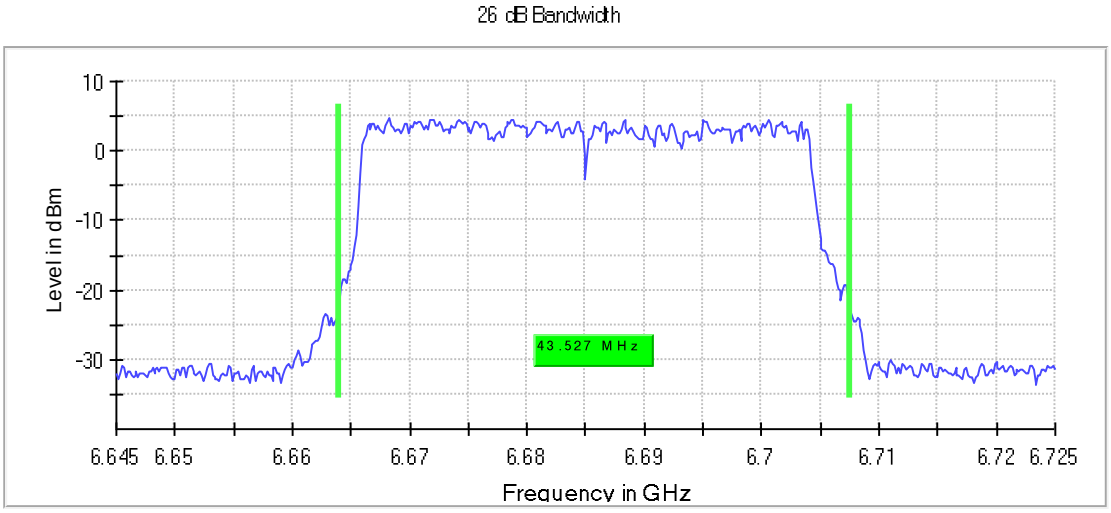
Customized settings.

26 dB Bandwidth

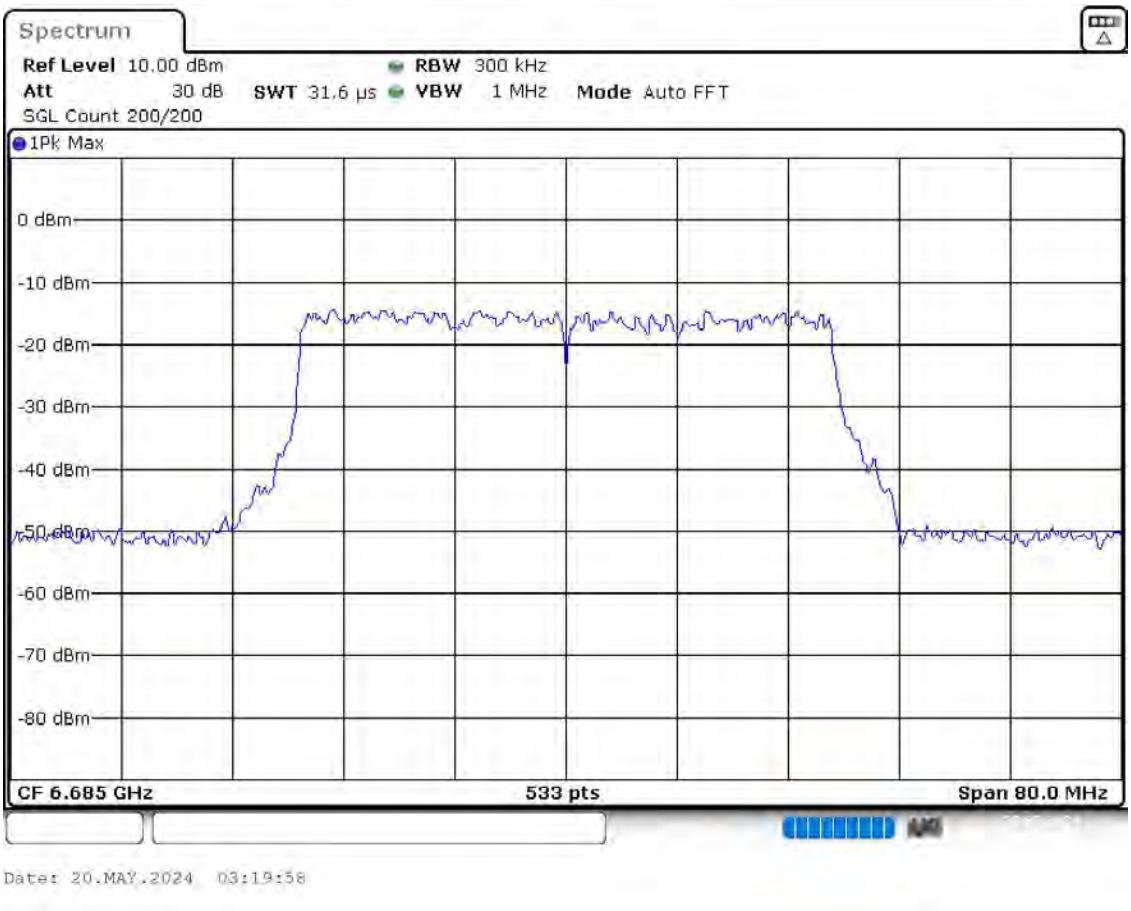
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6685.000000	43.527204	---	320.000000	6663.986867	---

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6685.000000	6707.514071	---	4.7	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 300 kHz
Att 30 dB
SWT 31.6 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.685 GHz
533 pts
Span 80.0 MHz
Date: 20.MAY.2024 03:19:58

Power Spectral Density (SA-2) (6685 MHz; 24.000 dBm; 40 MHz)

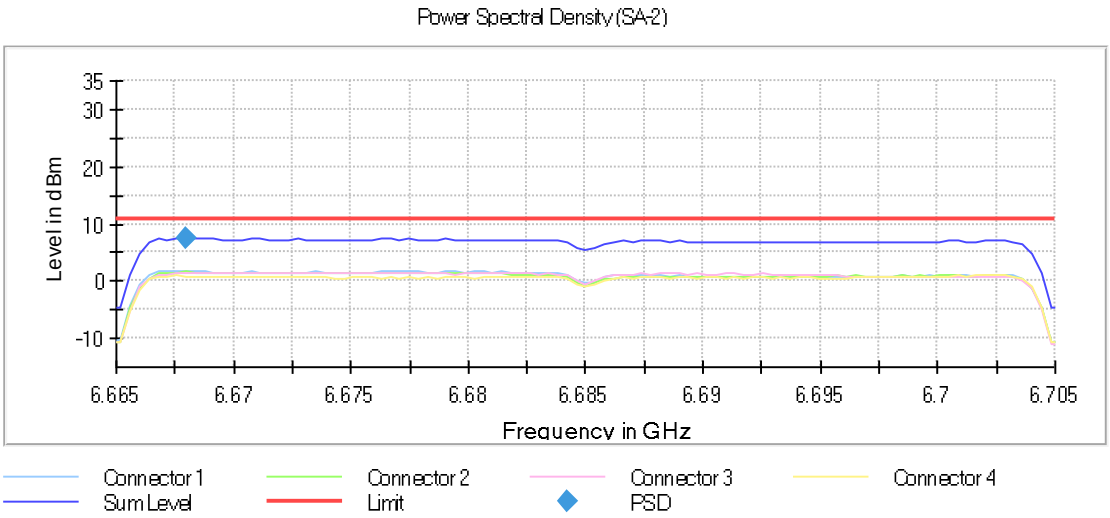
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6685.000000	6667.970297	7.423	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6685 MHz; 24.000 dBm; 40 MHz)

Customized settings.

Result

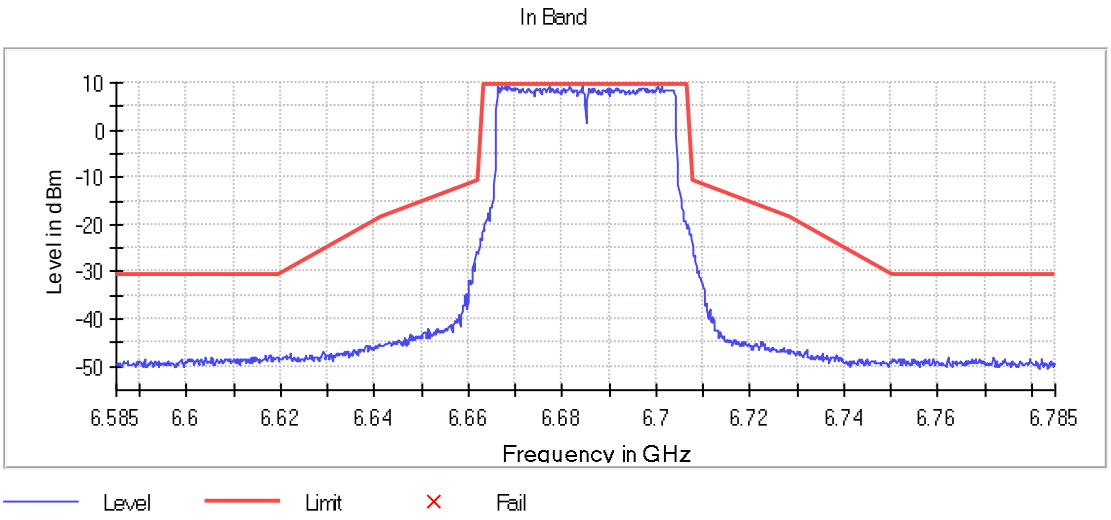
DUT Frequency (MHz)	Result
6685.000000	PASS

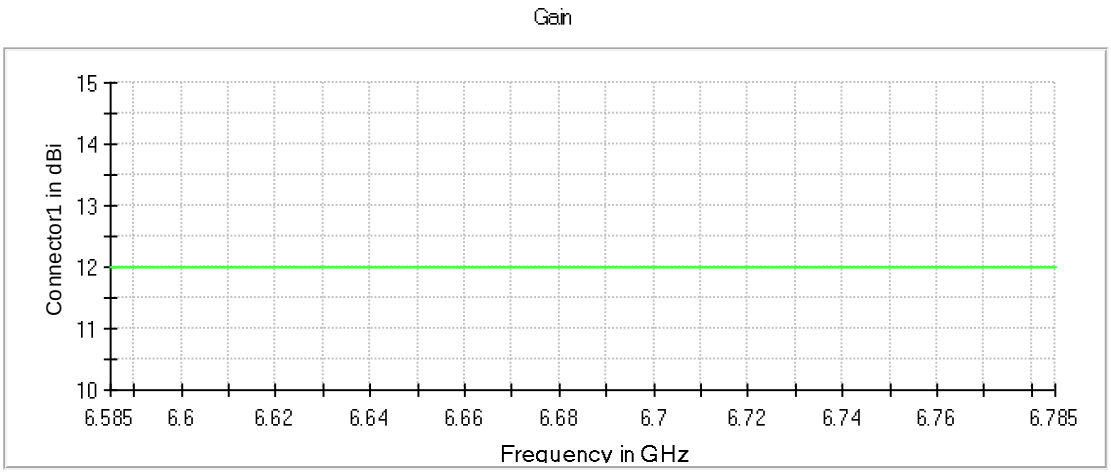
Inband Peak

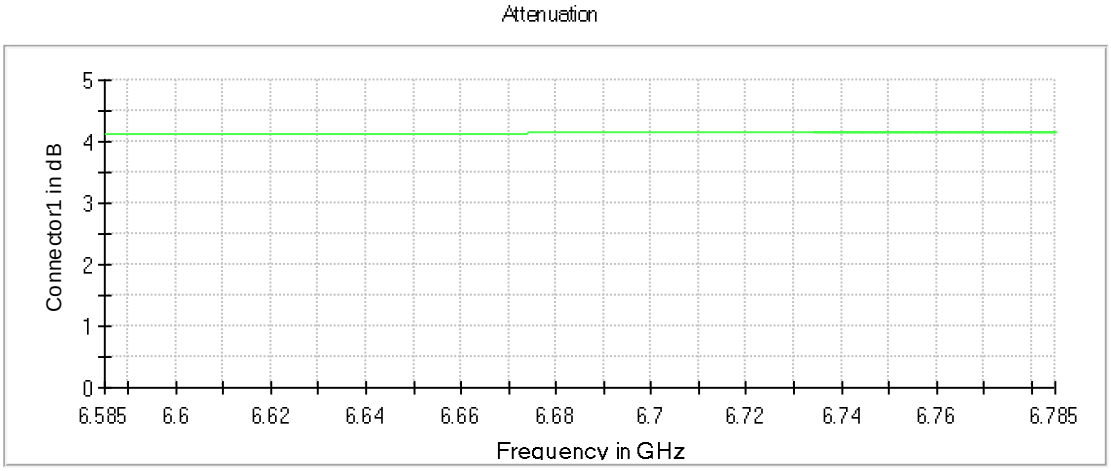
Frequency (MHz)	Level (dBm)
6684.249812	9.4

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6684.249812	9.4	0.0	9.4	PASS
6668.645911	9.4	0.1	9.4	PASS
6667.895724	9.2	0.2	9.4	PASS
6668.345836	9.2	0.2	9.4	PASS
6668.495874	9.2	0.2	9.4	PASS
6701.204051	9.1	0.3	9.4	PASS
6681.699175	9.1	0.3	9.4	PASS
6667.145536	9.1	0.4	9.4	PASS
6666.395349	9.0	0.4	9.4	PASS
6700.303826	9.0	0.4	9.4	PASS
6677.198050	9.0	0.4	9.4	PASS
6696.852963	9.0	0.5	9.4	PASS
6667.595649	9.0	0.5	9.4	PASS
6670.296324	8.9	0.5	9.4	PASS
6667.445611	8.9	0.5	9.4	PASS


In Band
10
0
-10
-20
-30
-40
-50
Level in dBm
6.585
6.6
6.62
6.64
6.66
6.68
6.7
6.72
6.74
6.76
6.785
Frequency in GHz
Level
Limit
Fail


Gain
Connector1 in dBi
15
14
13
12
11
10
6.585
6.6
6.62
6.64
6.66
6.68
6.7
6.72
6.74
6.76
6.785
Frequency in GHz
Connector1


Attenuation
Connector1 in dB
5
4
3
2
1
0
6.585
6.6
6.62
6.64
6.66
6.68
6.7
6.72
6.74
6.76
6.785
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6685 MHz; 24.000 dBm; 40 MHz)

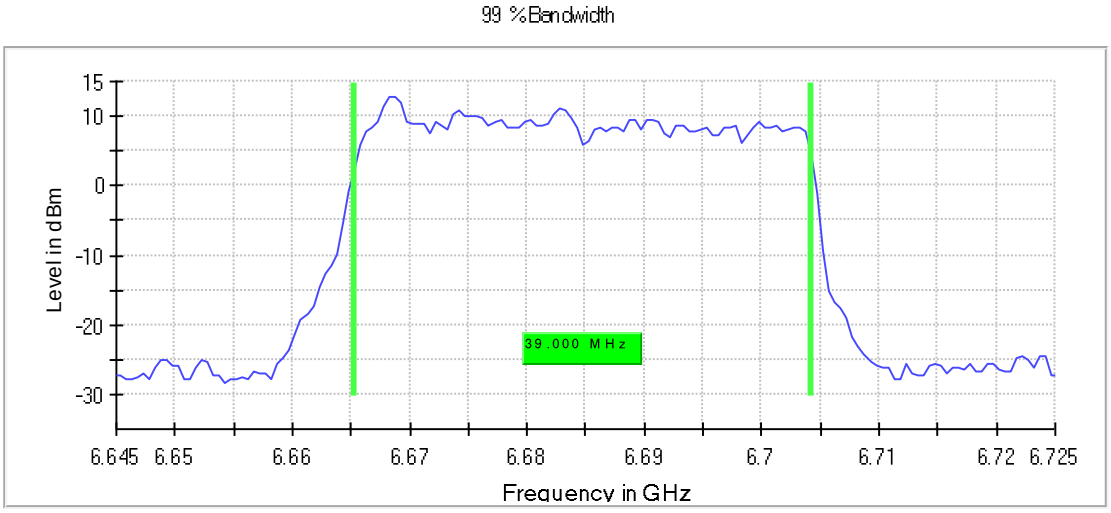
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6685.000000	39.000000	---	320.000000	6665.250000	5925.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6685.000000	6704.250000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
Att 30 dB
SWT 11.4 µs
VBW 3 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.685 GHz
160 pts
Span 80.0 MHz
Date: 20.MAY.2024 03:21:36

Emission Bandwidth 26 dB (6885 MHz; 24.000 dBm; 40 MHz)

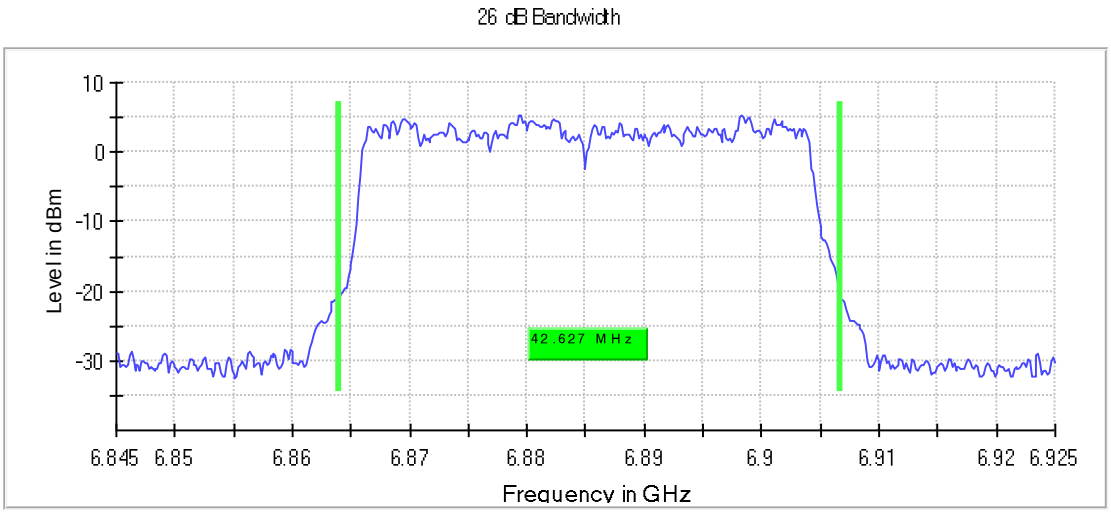
Customized settings.

26 dB Bandwidth

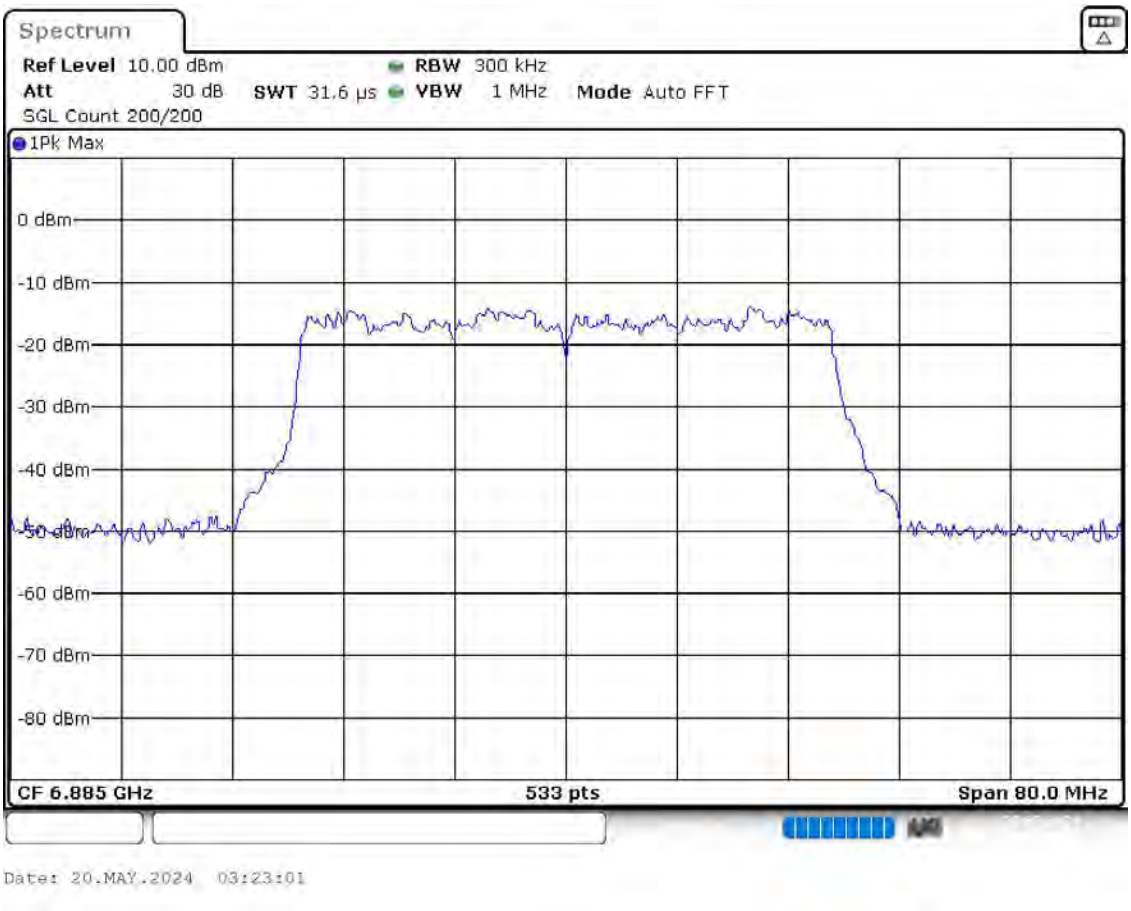
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6885.000000	42.626641	11.013133	31.613508	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6885.000000	6863.986867	---	6906.613508	---	5.2	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 300 kHz
Att 30 dB
SWT 31.6 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.885 GHz
533 pts
Span 80.0 MHz
Date: 20.MAY.2024 03:23:01

Power Spectral Density (SA-2) (6885 MHz; 24.000 dBm; 40 MHz)

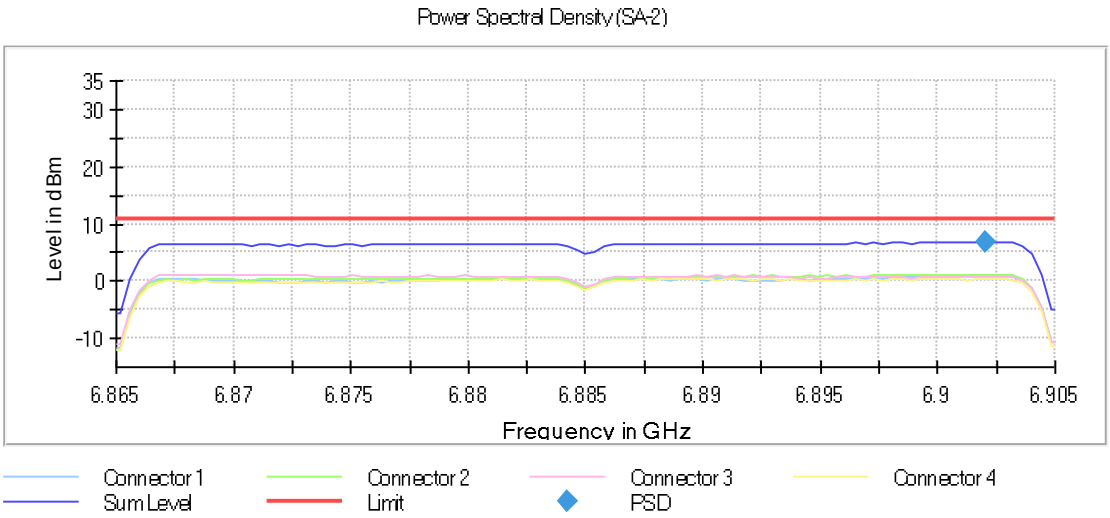
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6885.000000	6902.029703	6.880	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6885 MHz; 24.000 dBm; 40 MHz)

Customized settings.

Result

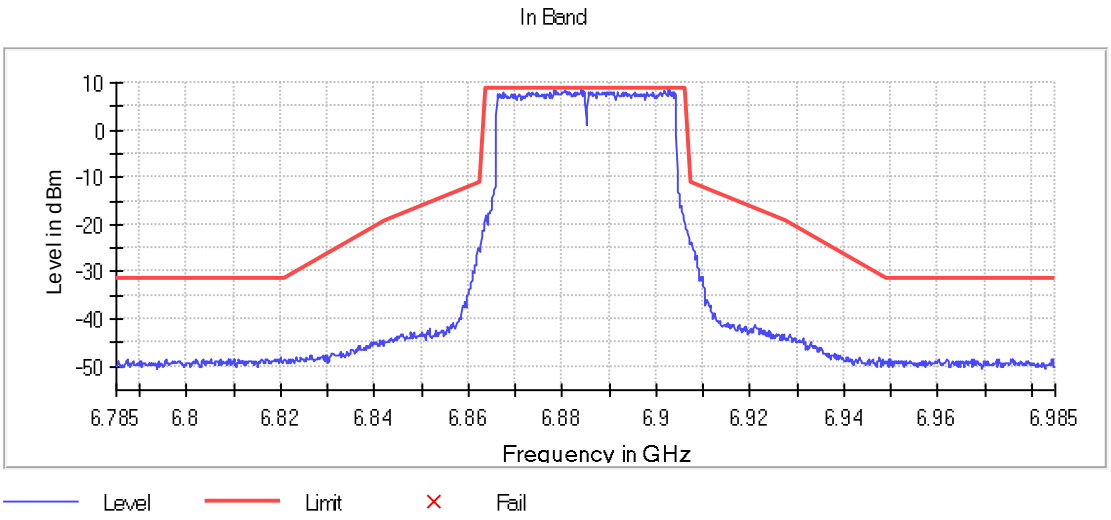
DUT Frequency (MHz)	Result
6885.000000	PASS

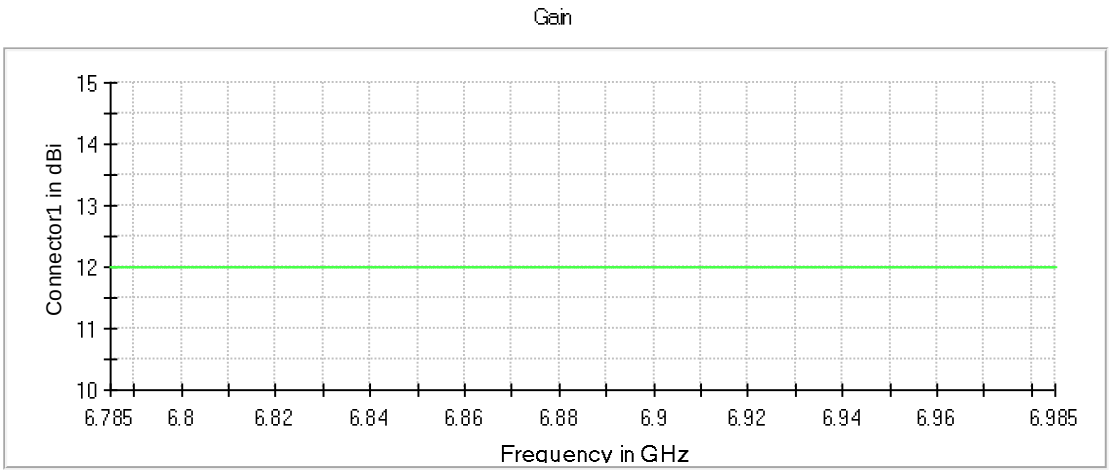
Inband Peak

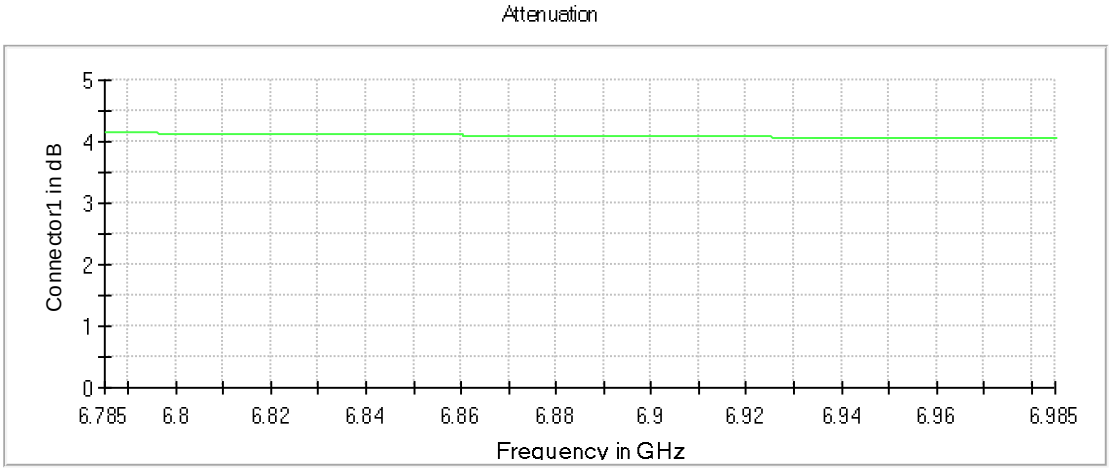
Frequency (MHz)	Level (dBm)
6883.949737	8.7

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6902.704426	8.6	0.1	8.7	PASS
6901.804201	8.4	0.3	8.7	PASS
6880.498875	8.4	0.3	8.7	PASS
6878.248312	8.3	0.4	8.7	PASS
6902.854464	8.3	0.4	8.7	PASS
6878.548387	8.2	0.5	8.7	PASS
6884.549887	8.2	0.5	8.7	PASS
6878.998500	8.2	0.6	8.7	PASS
6889.051013	8.2	0.6	8.7	PASS
6883.349587	8.2	0.6	8.7	PASS
6888.600900	8.2	0.6	8.7	PASS
6880.348837	8.2	0.6	8.7	PASS
6902.554389	8.1	0.6	8.7	PASS
6892.951988	8.1	0.6	8.7	PASS
6881.249062	8.1	0.6	8.7	PASS


In Band
10
0
-10
-20
-30
-40
-50
Level in dBm
6.785
6.8
6.82
6.84
6.86
6.88
6.9
6.92
6.94
6.96
6.985
Frequency in GHz
Level
Limit
Fail


Gain
Connector1 in dBi
15
14
13
12
11
10
6.785
6.8
6.82
6.84
6.86
6.88
6.9
6.92
6.94
6.96
6.985
Frequency in GHz
Connector1


Attenuation
Connector1 in dB
5
4
3
2
1
0
6.785
6.8
6.82
6.84
6.86
6.88
6.9
6.92
6.94
6.96
6.985
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6885 MHz; 24.000 dBm; 40 MHz)

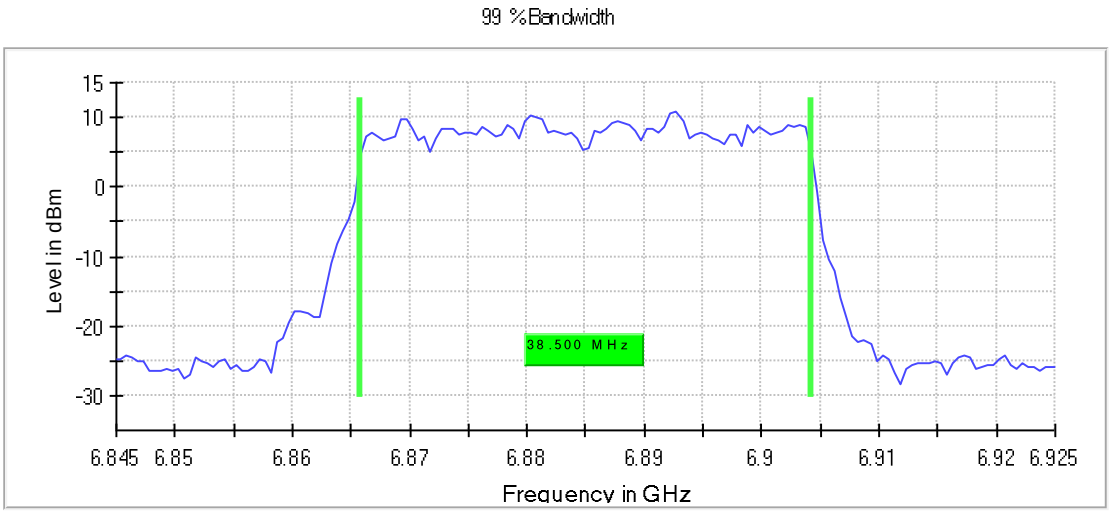
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6885.000000	38.500000	9.250000	29.250000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6885.000000	6865.750000	5925.000000	6904.250000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
Att 30 dB
SWT 11.4 µs
VBW 3 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.885 GHz
160 pts
Span 80.0 MHz
Date: 20.MAY.2024 03:26:09

Emission Bandwidth 26 dB (6545 MHz; 24.000 dBm; 80 MHz)

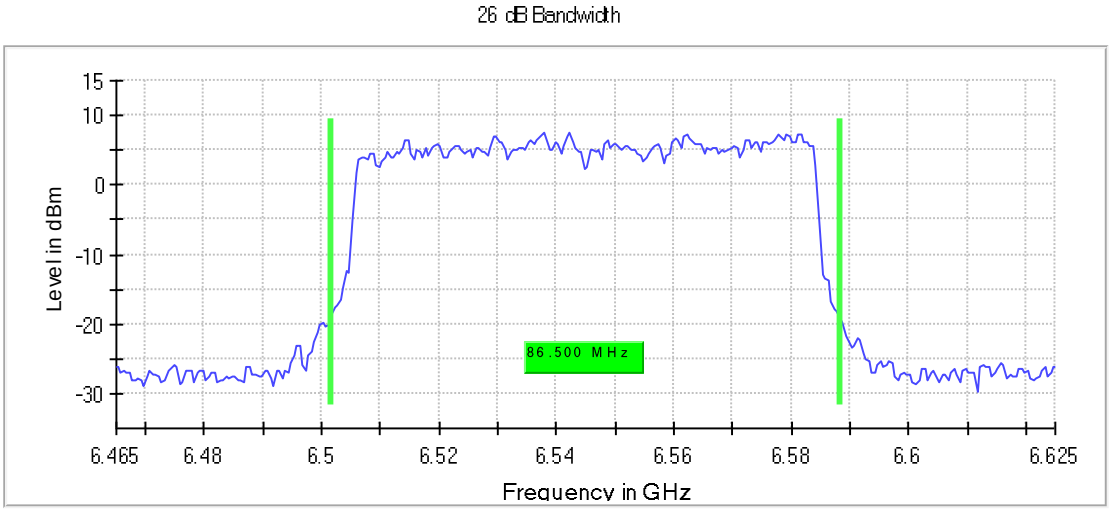
Customized settings.

26 dB Bandwidth

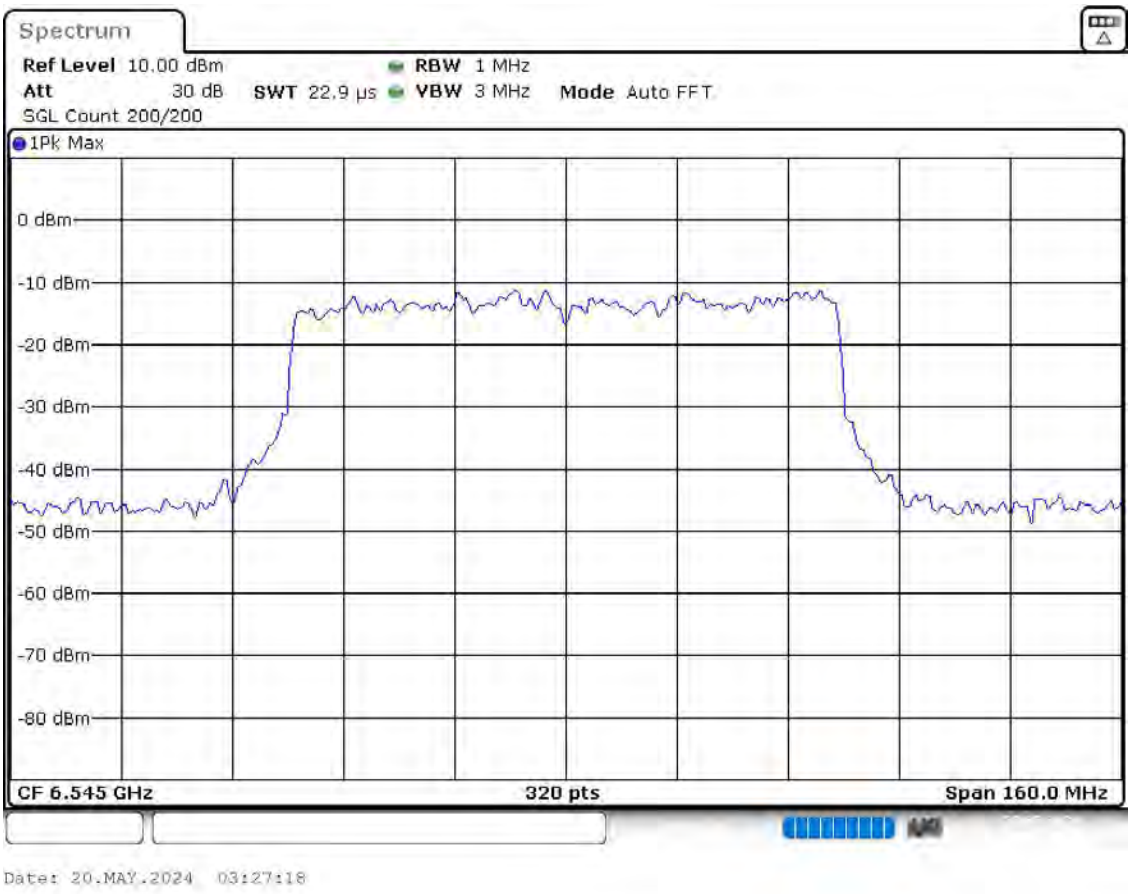
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6545.000000	86.500000	23.250000	63.250000	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6545.000000	6501.750000	---	6588.250000	---	7.5	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
Att 30 dB
SWT 22.9 µs
VBW 3 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.545 GHz
320 pts
Span 160.0 MHz
Date: 20.MAY.2024 03:27:18

Power Spectral Density (SA-2) (6545 MHz; 24.000 dBm; 80 MHz)

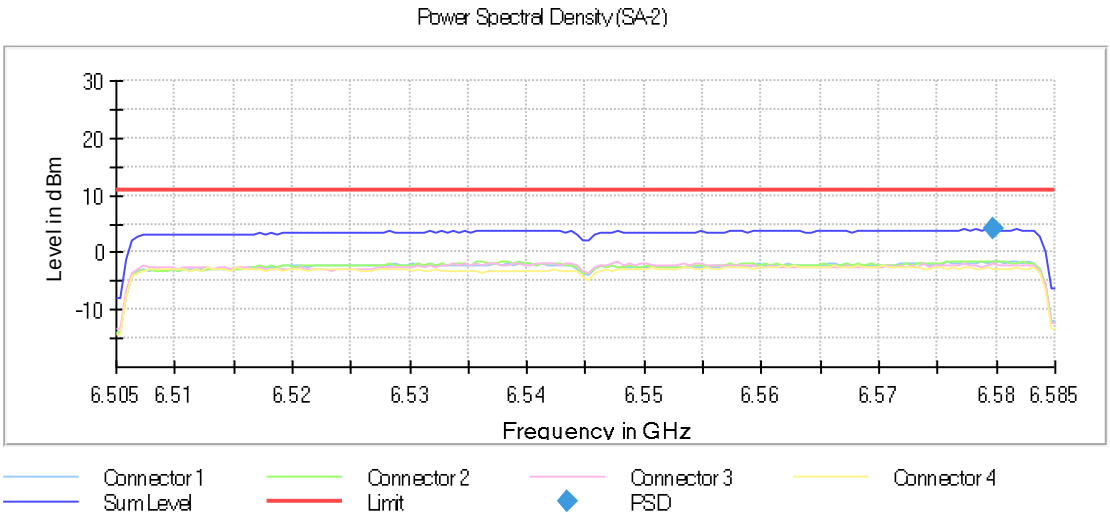
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6545.000000	6579.750000	4.098	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6545 MHz; 24.000 dBm; 80 MHz)

Customized settings.

Result

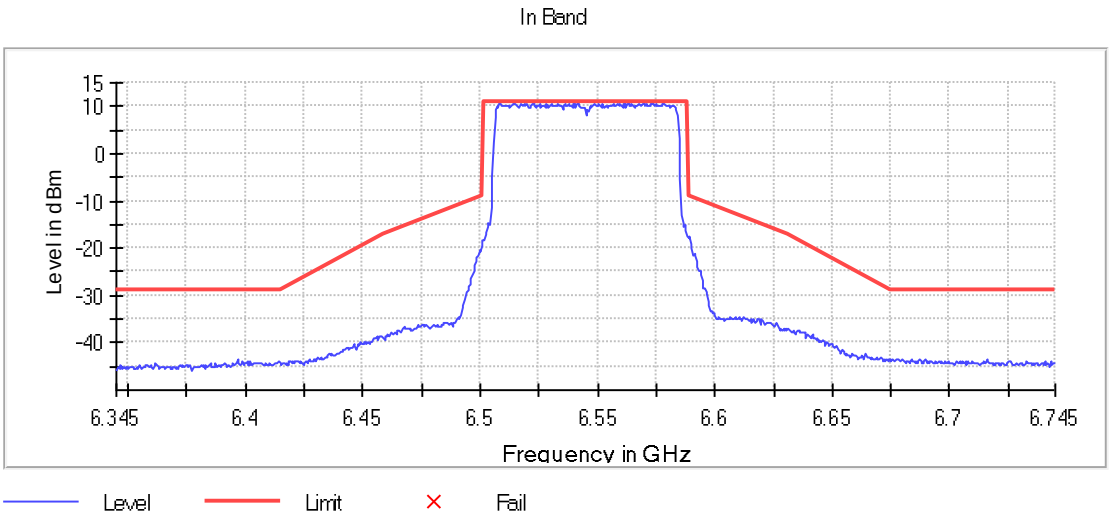
DUT Frequency (MHz)	Result
6545.000000	PASS

Inband Peak

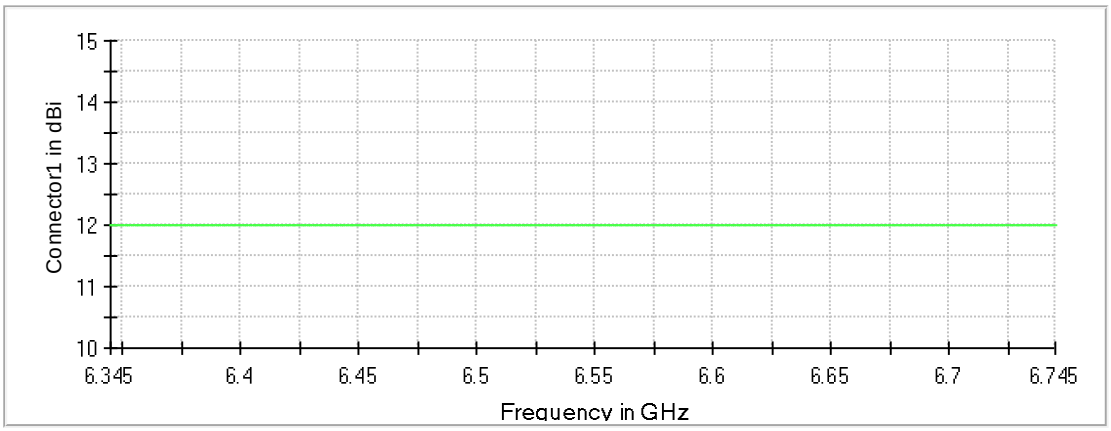
Frequency (MHz)	Level (dBm)
6573.750000	11.0

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6508.250000	10.7	0.2	11.0	PASS
6561.750000	10.7	0.3	11.0	PASS
6513.750000	10.7	0.3	11.0	PASS
6561.250000	10.6	0.3	11.0	PASS
6541.250000	10.6	0.3	11.0	PASS
6558.250000	10.6	0.4	11.0	PASS
6530.250000	10.6	0.4	11.0	PASS
6570.750000	10.6	0.4	11.0	PASS
6552.250000	10.6	0.4	11.0	PASS
6573.250000	10.6	0.4	11.0	PASS
6558.750000	10.6	0.4	11.0	PASS
6567.750000	10.5	0.5	11.0	PASS
6522.250000	10.5	0.5	11.0	PASS
6569.750000	10.5	0.5	11.0	PASS
6533.250000	10.5	0.5	11.0	PASS

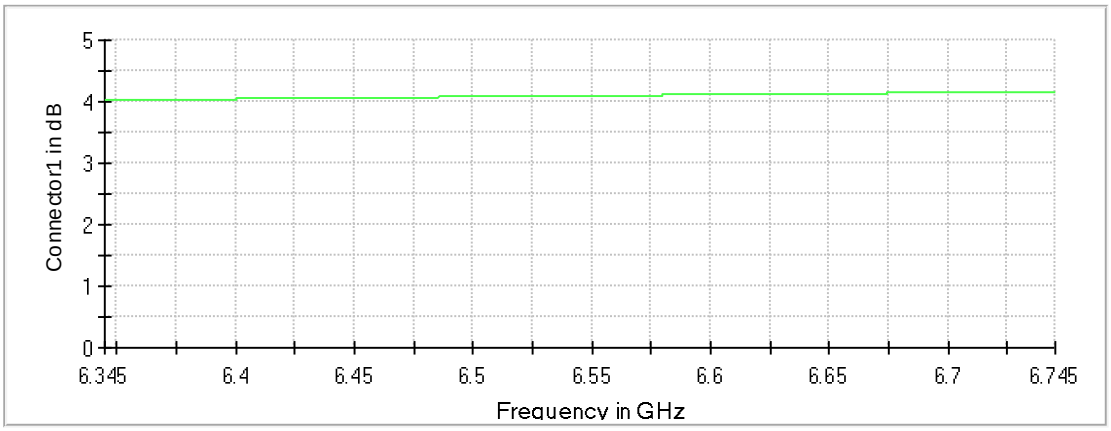

In Band
15
10
0
-10
-20
-30
-40
Level in dBm
6.345
6.4
6.45
6.5
6.55
6.6
6.65
6.7
6.745
Frequency in GHz
Level
Limit
Fail

Gain



Connector1

Attenuation



Connector1

Occupied Channel Bandwidth 99% (6545 MHz; 24.000 dBm; 80 MHz)

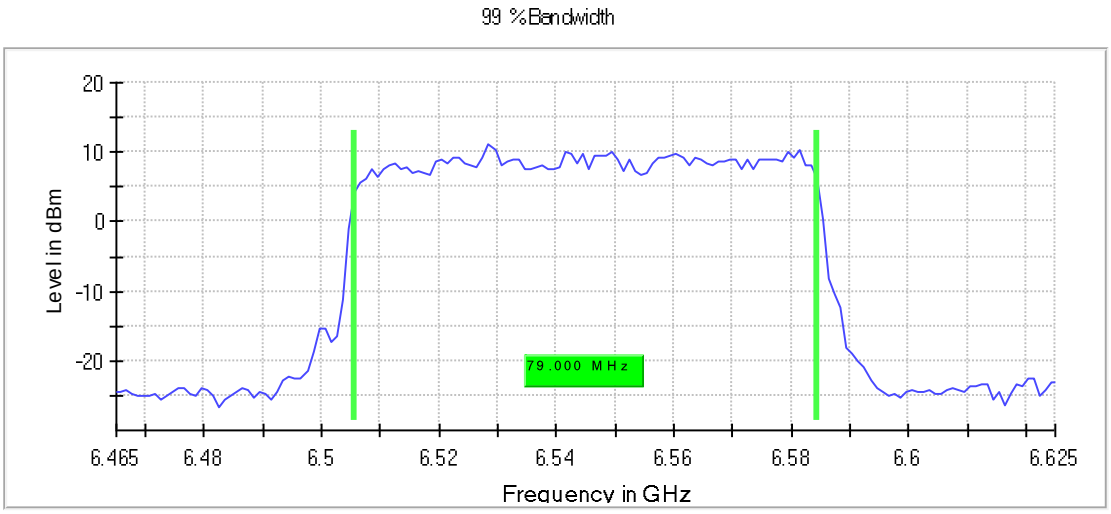
Customized settings.

99 % Bandwidth

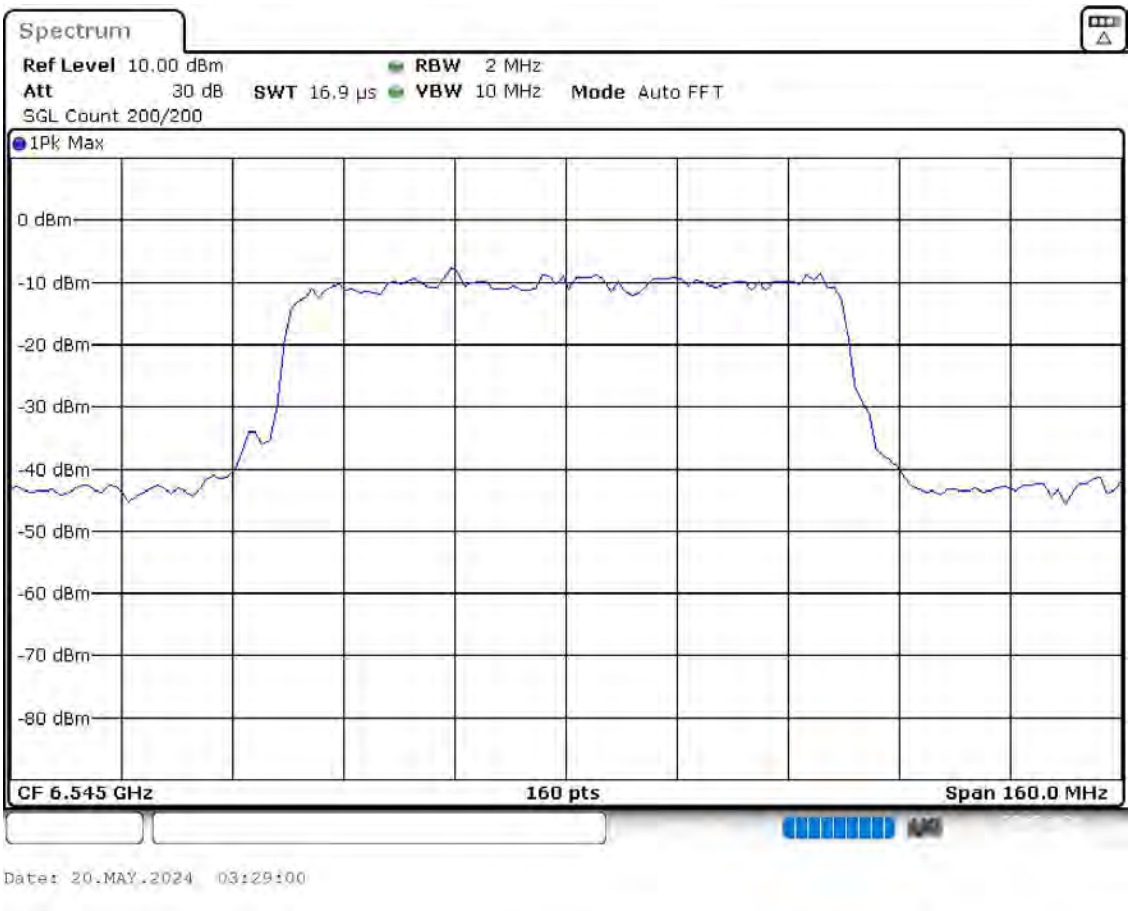
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6545.000000	79.000000	19.500000	59.500000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6545.000000	6505.500000	5925.000000	6584.500000	7125.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.46500 GHz	6.46500 GHz
Stop Frequency	6.62500 GHz	6.62500 GHz
Span	160.000 MHz	160.000 MHz
RBW	2.000 MHz	>= 2.000 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	160	~ 160
Sweeptime	16.875 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

Emission Bandwidth 26 dB (6705 MHz; 24.000 dBm; 80 MHz)

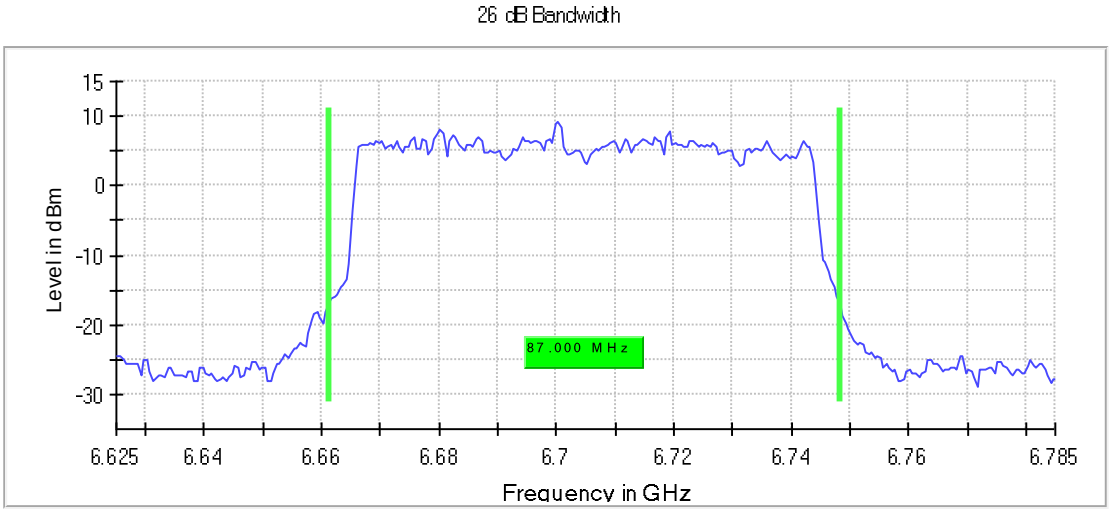
Customized settings.

26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6705.000000	87.000000	---	320.000000	6661.250000	---

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6705.000000	6748.250000	---	9.2	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
Att 30 dB
SWT 22.9 µs
VBW 3 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.705 GHz
320 pts
Span 160.0 MHz
Date: 20.MAY.2024 03:29:25

Power Spectral Density (SA-2) (6705 MHz; 24.000 dBm; 80 MHz)

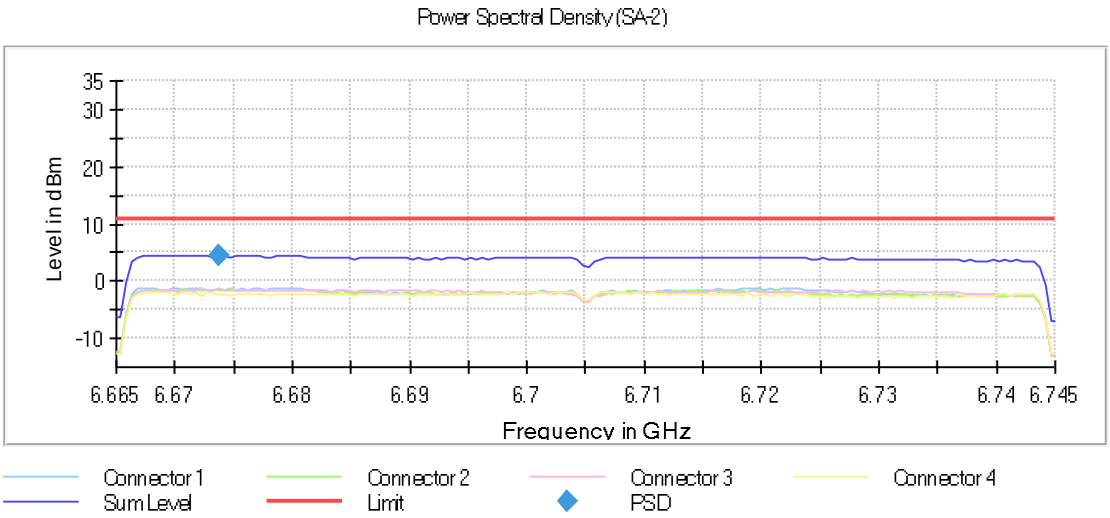
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6705.000000	6673.750000	4.435	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6705 MHz; 24.000 dBm; 80 MHz)

Customized settings.

Result

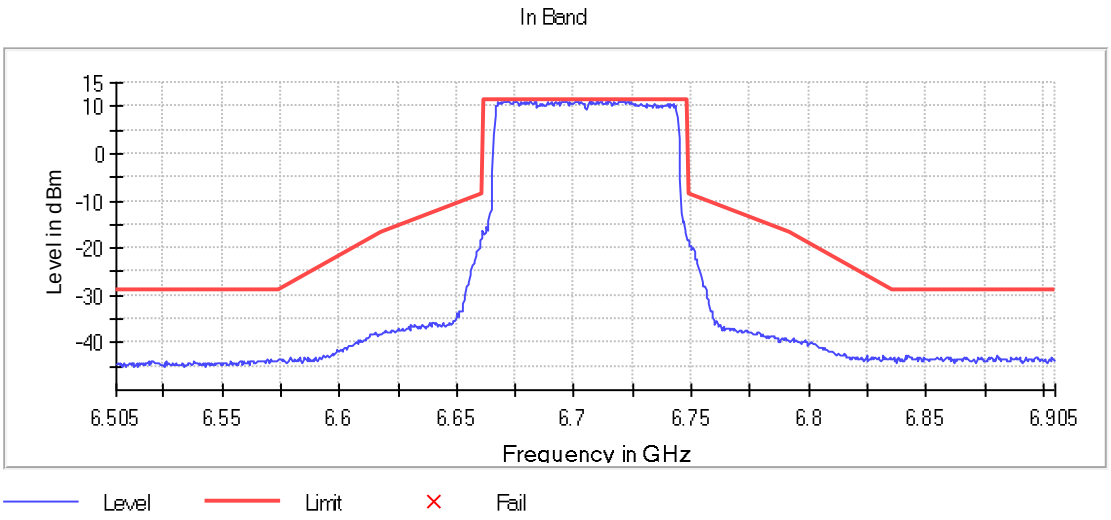
DUT Frequency (MHz)	Result
6705.000000	PASS

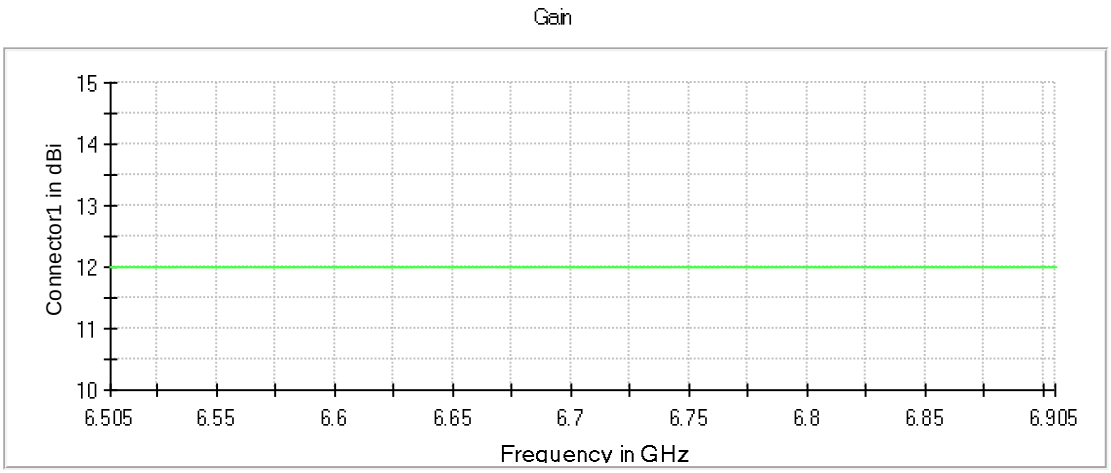
Inband Peak

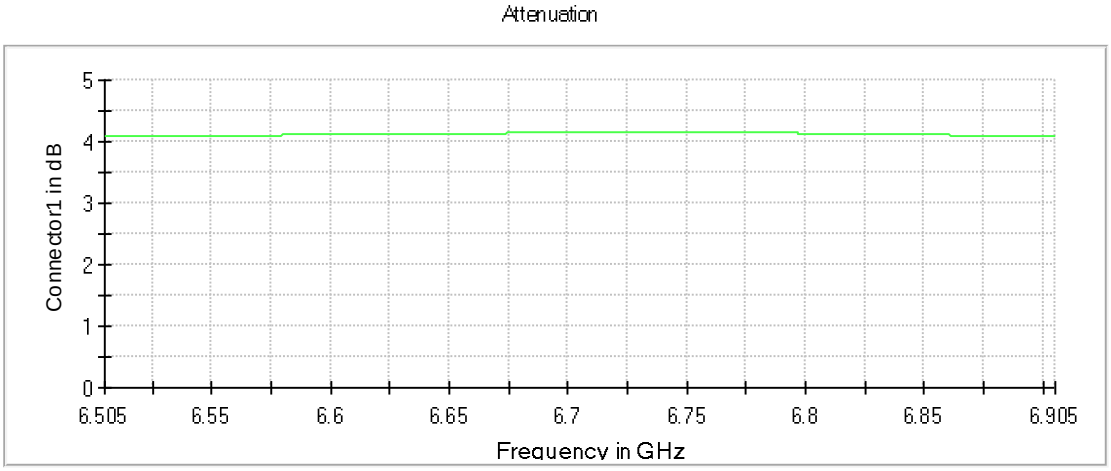
Frequency (MHz)	Level (dBm)
6671.750000	11.3

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6714.750000	11.2	0.0	11.3	PASS
6681.250000	11.2	0.0	11.3	PASS
6721.250000	11.2	0.1	11.3	PASS
6706.750000	11.2	0.1	11.3	PASS
6719.250000	11.1	0.1	11.3	PASS
6721.750000	11.1	0.1	11.3	PASS
6722.750000	11.1	0.1	11.3	PASS
6700.250000	11.1	0.2	11.3	PASS
6674.750000	11.1	0.2	11.3	PASS
6695.750000	11.0	0.2	11.3	PASS
6669.750000	11.0	0.2	11.3	PASS
6668.750000	11.0	0.2	11.3	PASS
6680.250000	11.0	0.2	11.3	PASS
6688.750000	11.0	0.3	11.3	PASS
6700.750000	11.0	0.3	11.3	PASS


In Band
15
10
0
-10
-20
-30
-40
Level in dBm
6.505
6.55
6.6
6.65
6.7
6.75
6.8
6.85
6.905
Frequency in GHz
Level
Limit
Fail


Gain
Connector1 in dBi
15
14
13
12
11
10
6.505
6.55
6.6
6.65
6.7
6.75
6.8
6.85
6.905
Frequency in GHz
Connector1


Attenuation
Connector1 in dB
5
4
3
2
1
0
6.505
6.55
6.6
6.65
6.7
6.75
6.8
6.85
6.905
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6705 MHz; 24.000 dBm; 80 MHz)

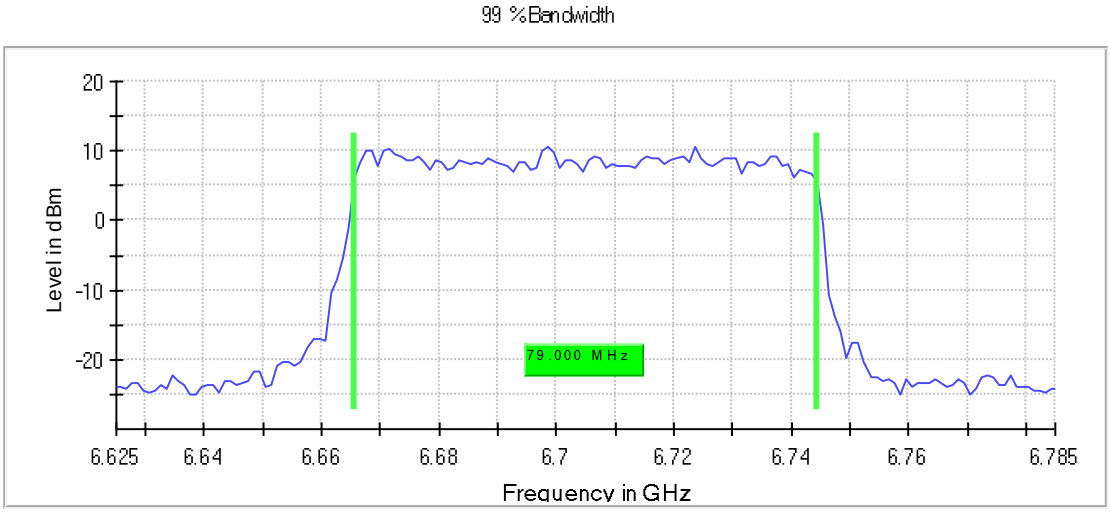
Customized settings.

99 % Bandwidth

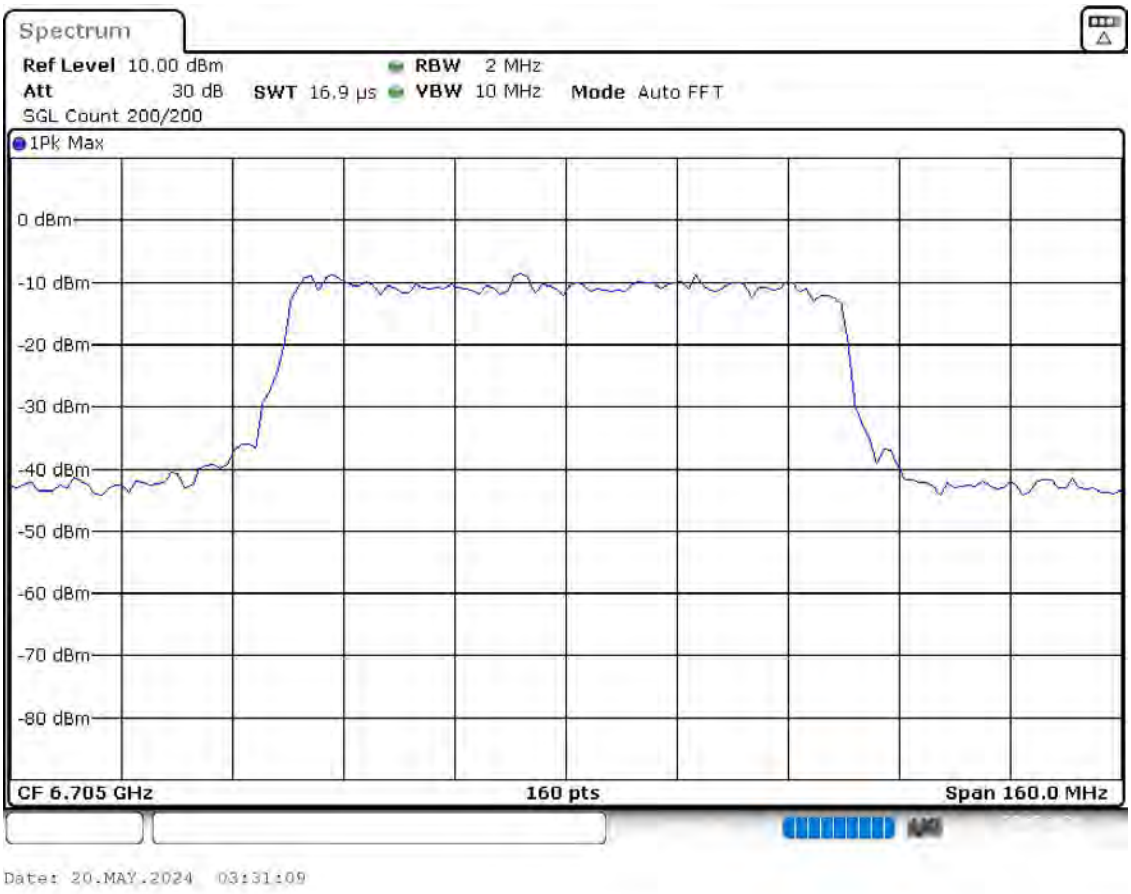
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6705.000000	79.000000	---	320.000000	6665.500000	5925.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6705.000000	6744.500000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 2 MHz
Att 30 dB
SWT 16.9 µs
VBW 10 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.705 GHz
160 pts
Span 160.0 MHz
Date: 20.MAY.2024 03:31:09

Emission Bandwidth 26 dB (6865 MHz; 24.000 dBm; 80 MHz)

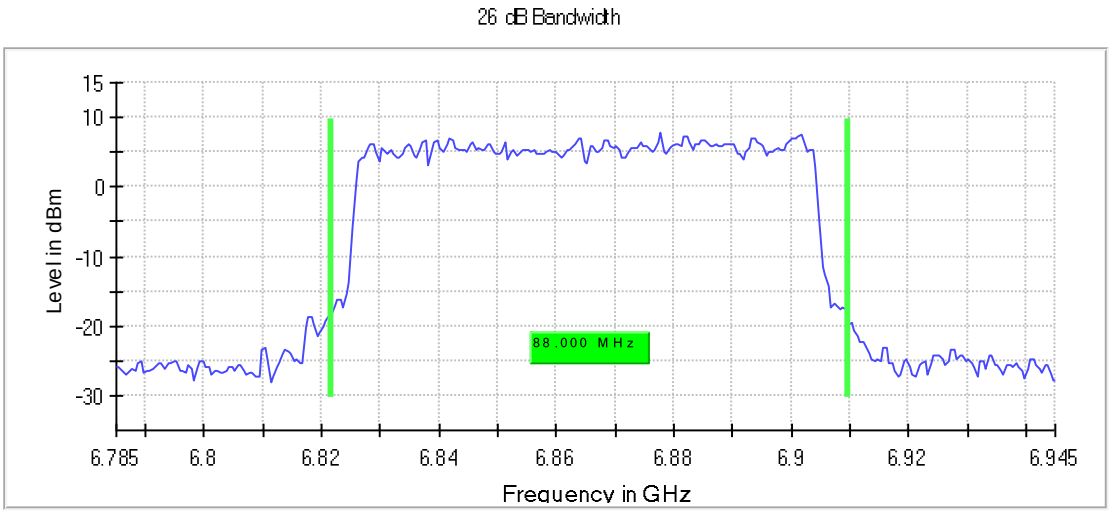
Customized settings.

26 dB Bandwidth

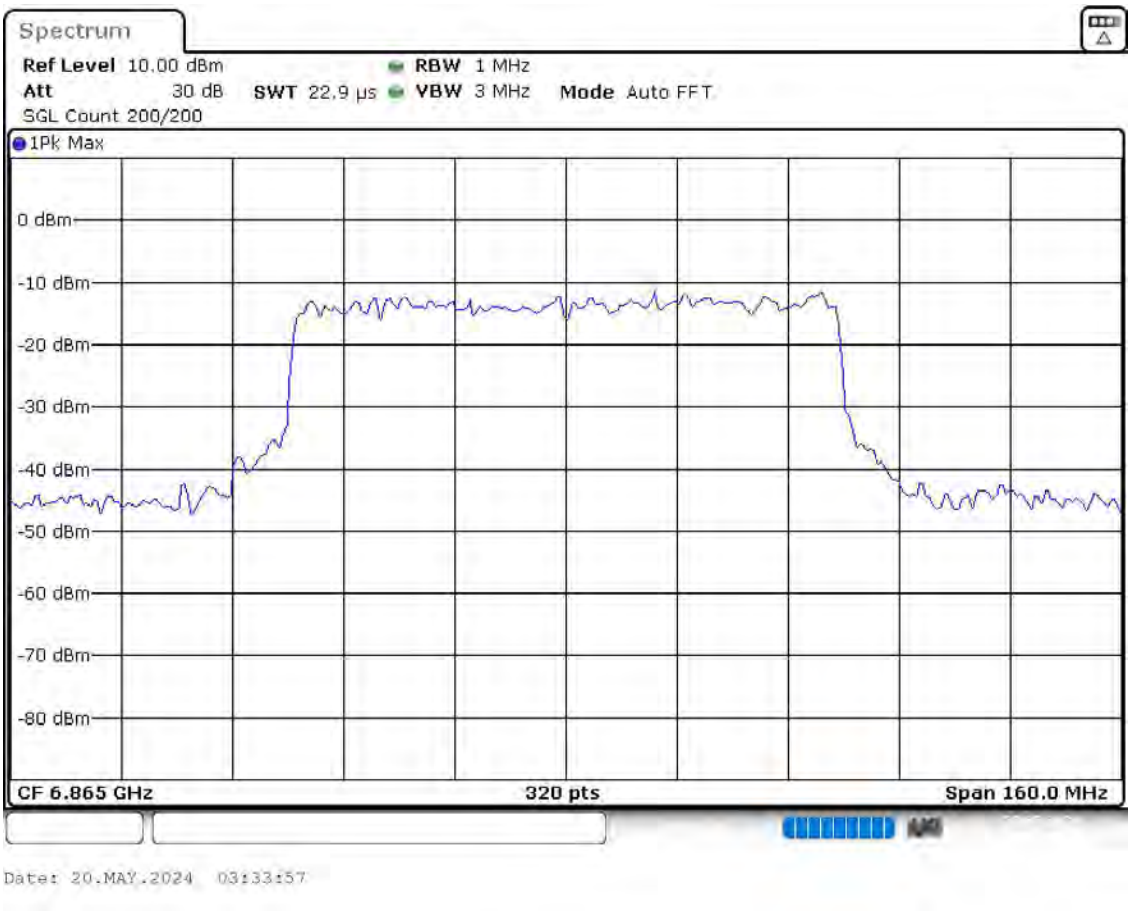
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6865.000000	88.000000	53.250000	34.750000	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6865.000000	6821.750000	---	6909.750000	---	7.8	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
Att 30 dB
SWT 22.9 µs
VBW 3 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.865 GHz
320 pts
Span 160.0 MHz
Date: 20.MAY.2024 03:33:57

Power Spectral Density (SA-2) (6865 MHz; 24.000 dBm; 80 MHz)

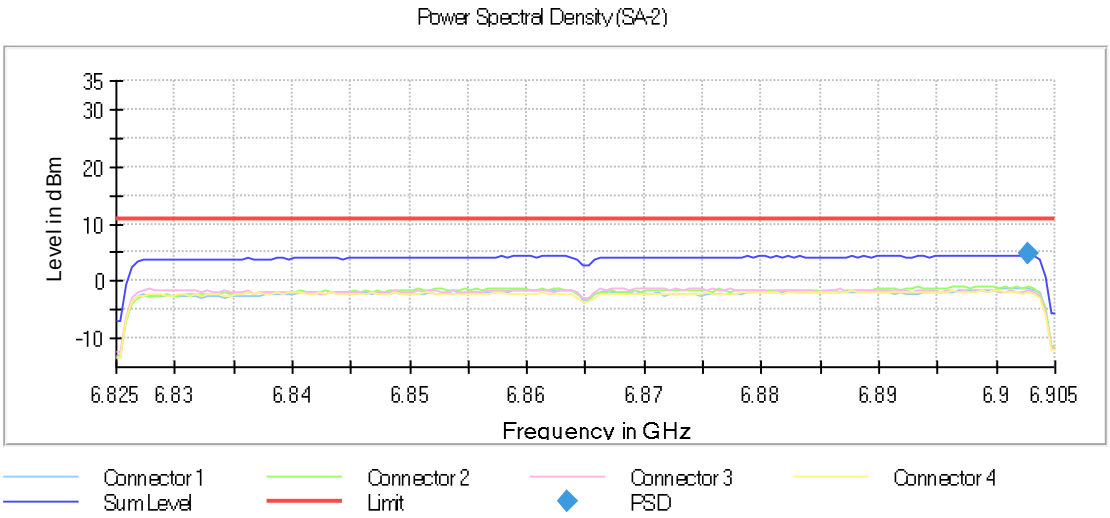
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6865.000000	6902.750000	4.664	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6865 MHz; 24.000 dBm; 80 MHz)

Customized settings.

Result

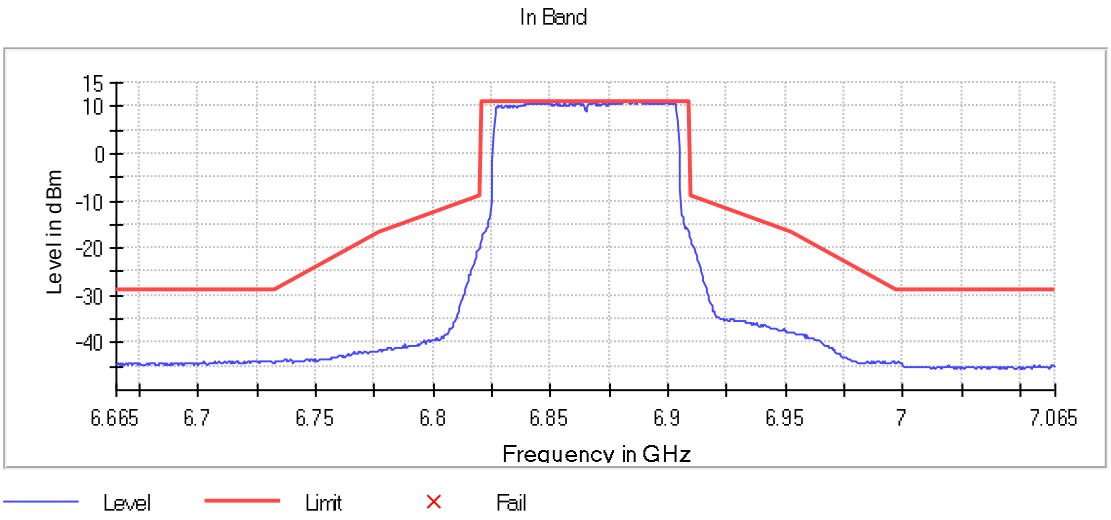
DUT Frequency (MHz)	Result
6865.000000	PASS

Inband Peak

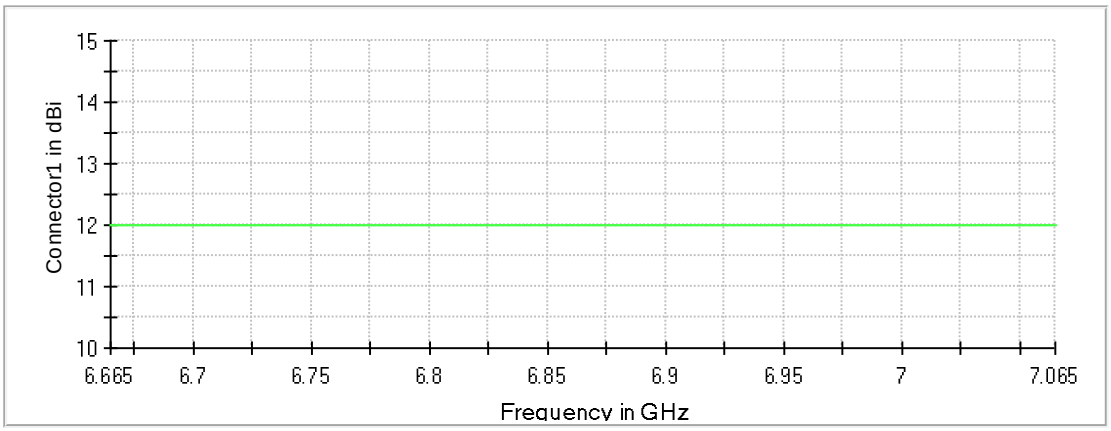
Frequency (MHz)	Level (dBm)
6880.750000	11.1

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6880.750000	11.1	0.0	11.1	PASS
6890.250000	11.0	0.1	11.1	PASS
6885.250000	11.0	0.2	11.1	PASS
6888.750000	10.9	0.2	11.1	PASS
6883.250000	10.9	0.2	11.1	PASS
6882.750000	10.9	0.2	11.1	PASS
6887.250000	10.9	0.2	11.1	PASS
6882.250000	10.9	0.2	11.1	PASS
6884.250000	10.8	0.3	11.1	PASS
6878.750000	10.8	0.3	11.1	PASS
6891.250000	10.8	0.3	11.1	PASS
6887.750000	10.8	0.3	11.1	PASS
6881.250000	10.8	0.3	11.1	PASS
6888.250000	10.8	0.3	11.1	PASS
6899.250000	10.8	0.4	11.1	PASS

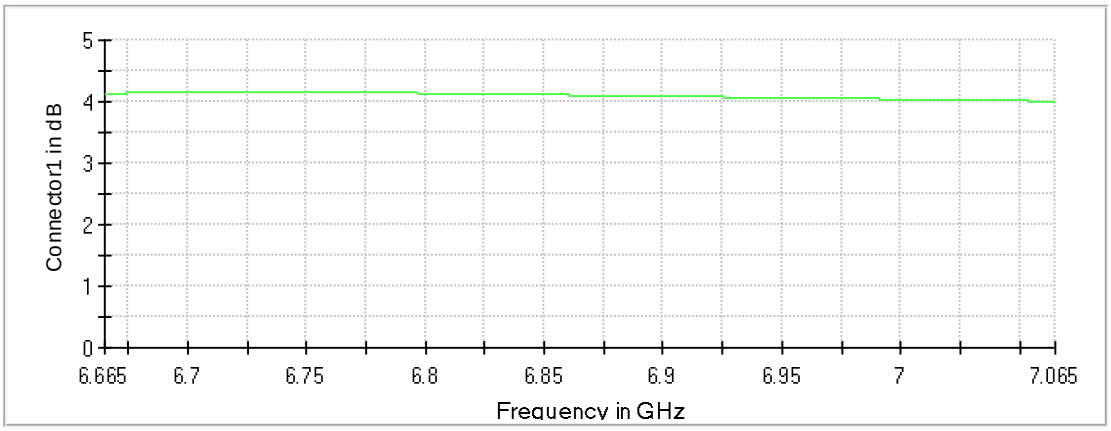

In Band
15
10
0
-10
-20
-30
-40
Level in dBm
6.665
6.7
6.75
6.8
6.85
6.9
6.95
7
7.065
Frequency in GHz
Level
Limit
Fail

Gain



Connector1

Attenuation



Connector1

Occupied Channel Bandwidth 99% (6865 MHz; 24.000 dBm; 80 MHz)

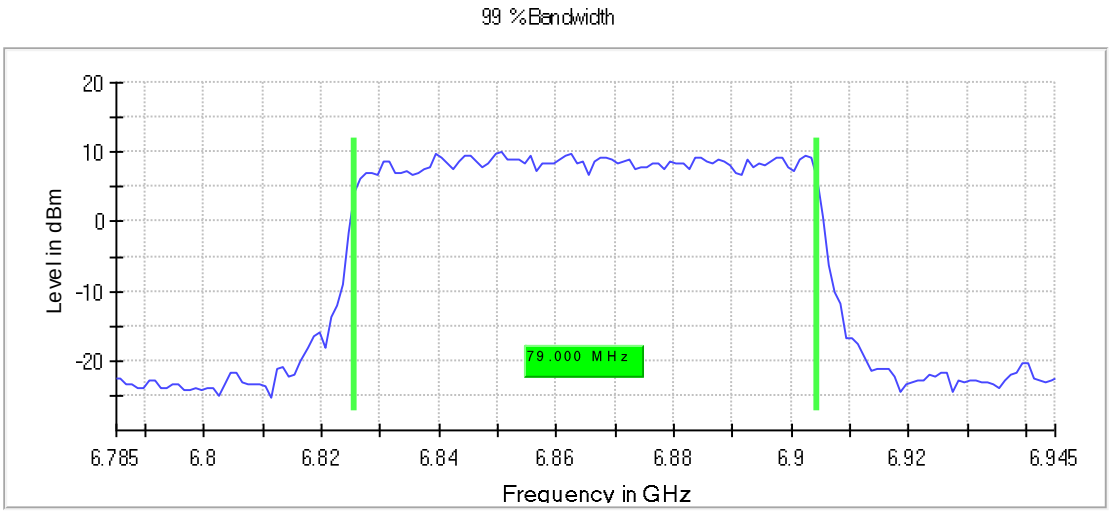
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6865.000000	79.000000	49.500000	29.500000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6865.000000	6825.500000	5925.000000	6904.500000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 2 MHz
Att 30 dB
SWT 16.9 µs
VBW 10 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.865 GHz
160 pts
Span 160.0 MHz
Date: 20.MAY.2024 03:35:43

Emission Bandwidth 26 dB (6505 MHz; 24.000 dBm; 160 MHz)

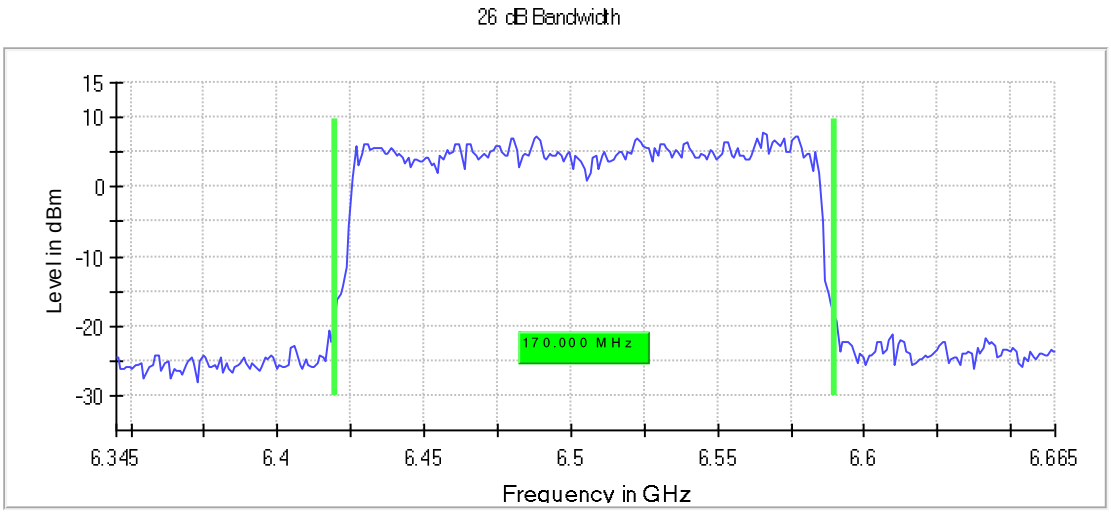
Customized settings.

26 dB Bandwidth

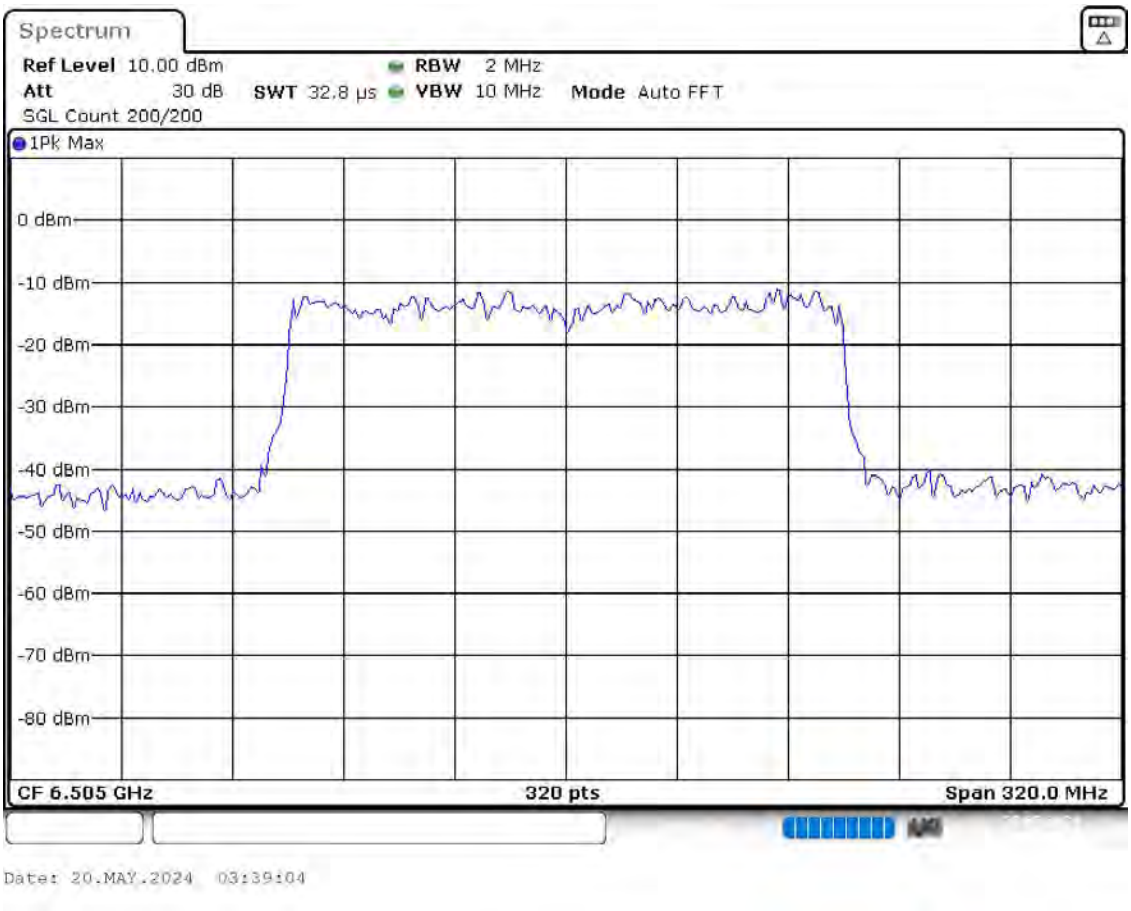
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6505.000000	170.000000	105.500000	64.500000	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6505.000000	6419.500000	---	6589.500000	---	7.8	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 2 MHz
Att 30 dB
SWT 32.8 µs
VBW 10 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.505 GHz
320 pts
Span 320.0 MHz
Date: 20.MAY.2024 03:39:04

Power Spectral Density (SA-2) (6505 MHz; 24.000 dBm; 160 MHz)

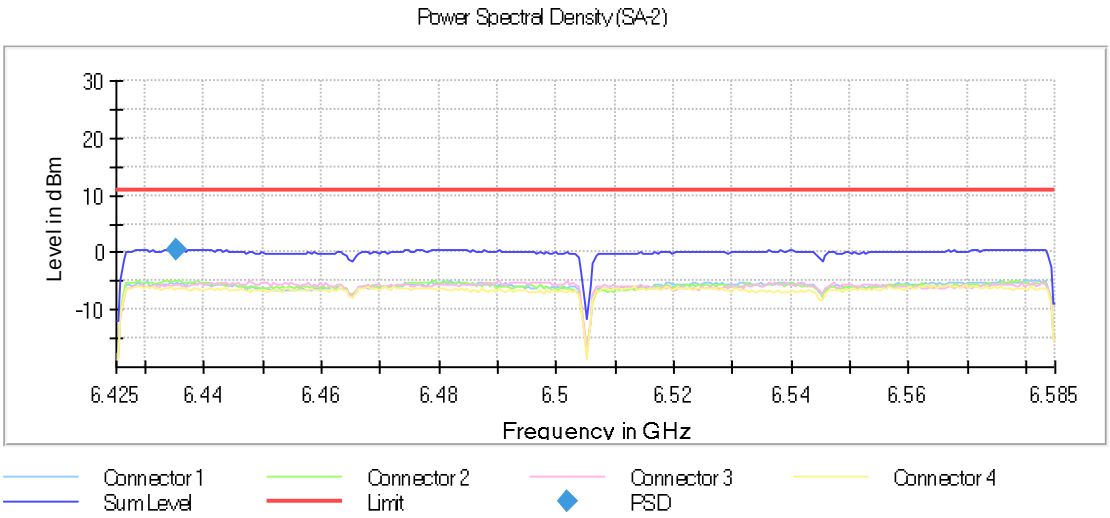
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6505.000000	6435.250000	0.603	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6505 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

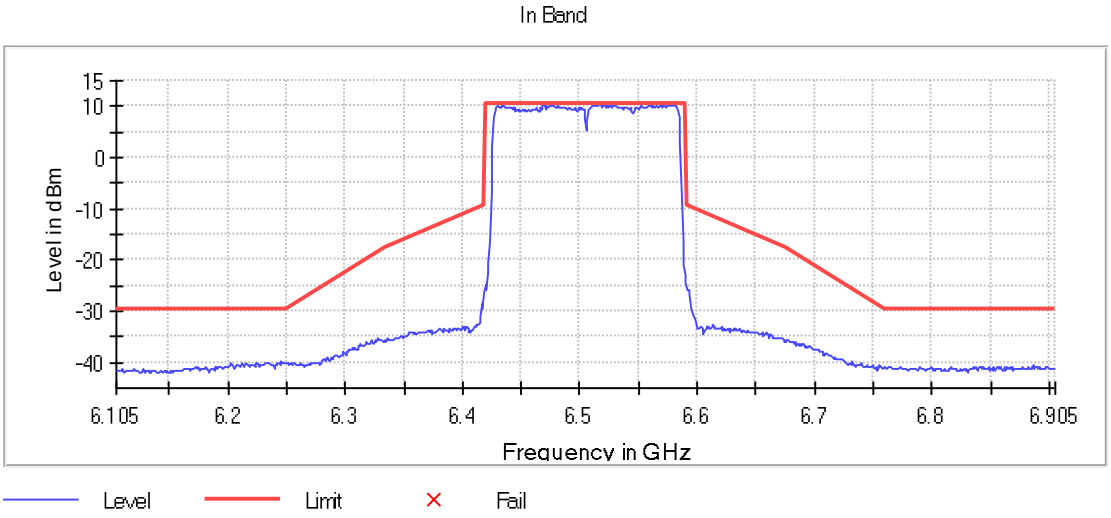
DUT Frequency (MHz)	Result
6505.000000	PASS

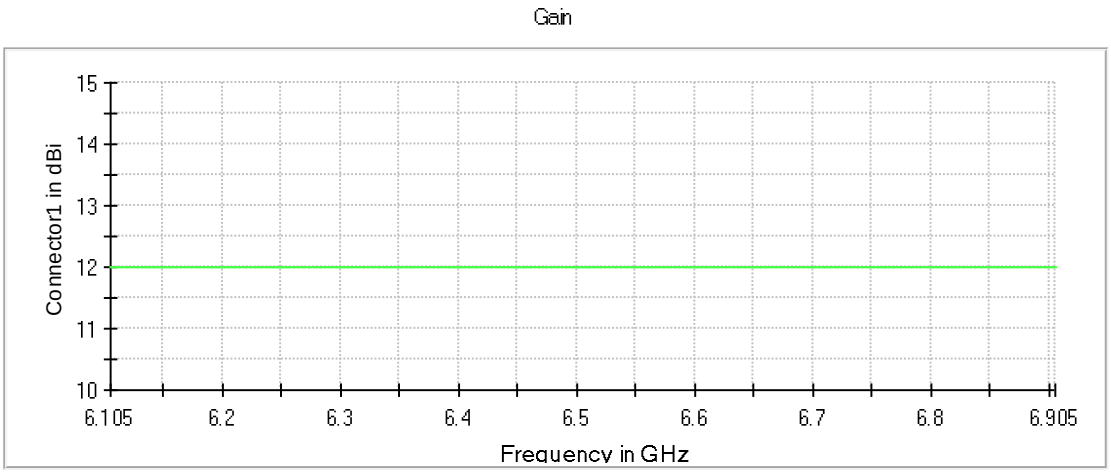
Inband Peak

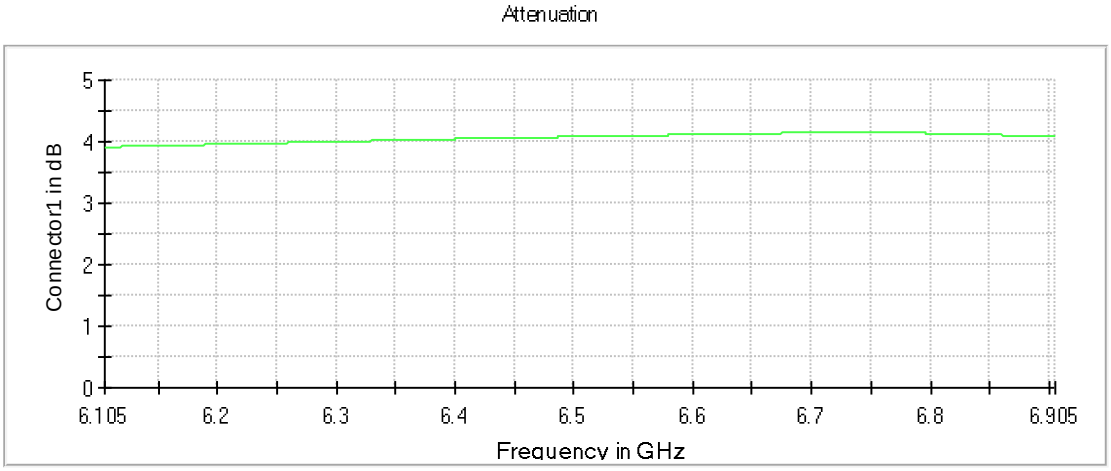
Frequency (MHz)	Level (dBm)
6579.500000	10.5

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6521.500000	10.5	0.1	10.5	PASS
6576.500000	10.4	0.2	10.5	PASS
6517.500000	10.4	0.2	10.5	PASS
6469.500000	10.4	0.2	10.5	PASS
6571.500000	10.4	0.2	10.5	PASS
6516.500000	10.3	0.2	10.5	PASS
6574.500000	10.3	0.2	10.5	PASS
6520.500000	10.3	0.2	10.5	PASS
6575.500000	10.3	0.2	10.5	PASS
6581.500000	10.3	0.3	10.5	PASS
6530.500000	10.2	0.3	10.5	PASS
6475.500000	10.2	0.3	10.5	PASS
6580.500000	10.2	0.3	10.5	PASS
6433.500000	10.2	0.4	10.5	PASS
6528.500000	10.2	0.4	10.5	PASS


In Band
15
10
0
-10
-20
-30
-40
Level in dBm
6.105
6.2
6.3
6.4
6.5
6.6
6.7
6.8
6.905
Frequency in GHz
Level
Limit
Fail


Gain
Connector1 in dBi
15
14
13
12
11
10
6.105
6.2
6.3
6.4
6.5
6.6
6.7
6.8
6.905
Frequency in GHz
Connector1


Attenuation
Connector1 in dB
5
4
3
2
1
0
6.105
6.2
6.3
6.4
6.5
6.6
6.7
6.8
6.905
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6505 MHz; 24.000 dBm; 160 MHz)

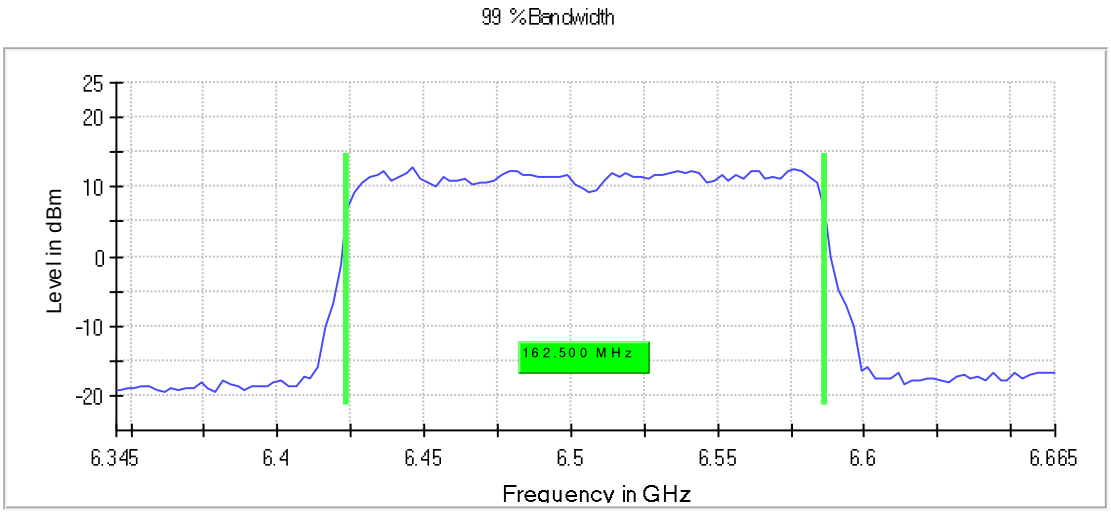
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6505.000000	162.500000	101.250000	61.250000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6505.000000	6423.750000	5925.000000	6586.250000	7125.000000	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.34500 GHz	6.34500 GHz
Stop Frequency	6.66500 GHz	6.66500 GHz
Span	320.000 MHz	320.000 MHz
RBW	5.000 MHz	>= 4.000 MHz
VBW	20.000 MHz	>= 15.000 MHz
SweepPoints	128	~ 128
Sweeptime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

Tx Spurious Emission (6505 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6505.000000	PASS

Final measurements

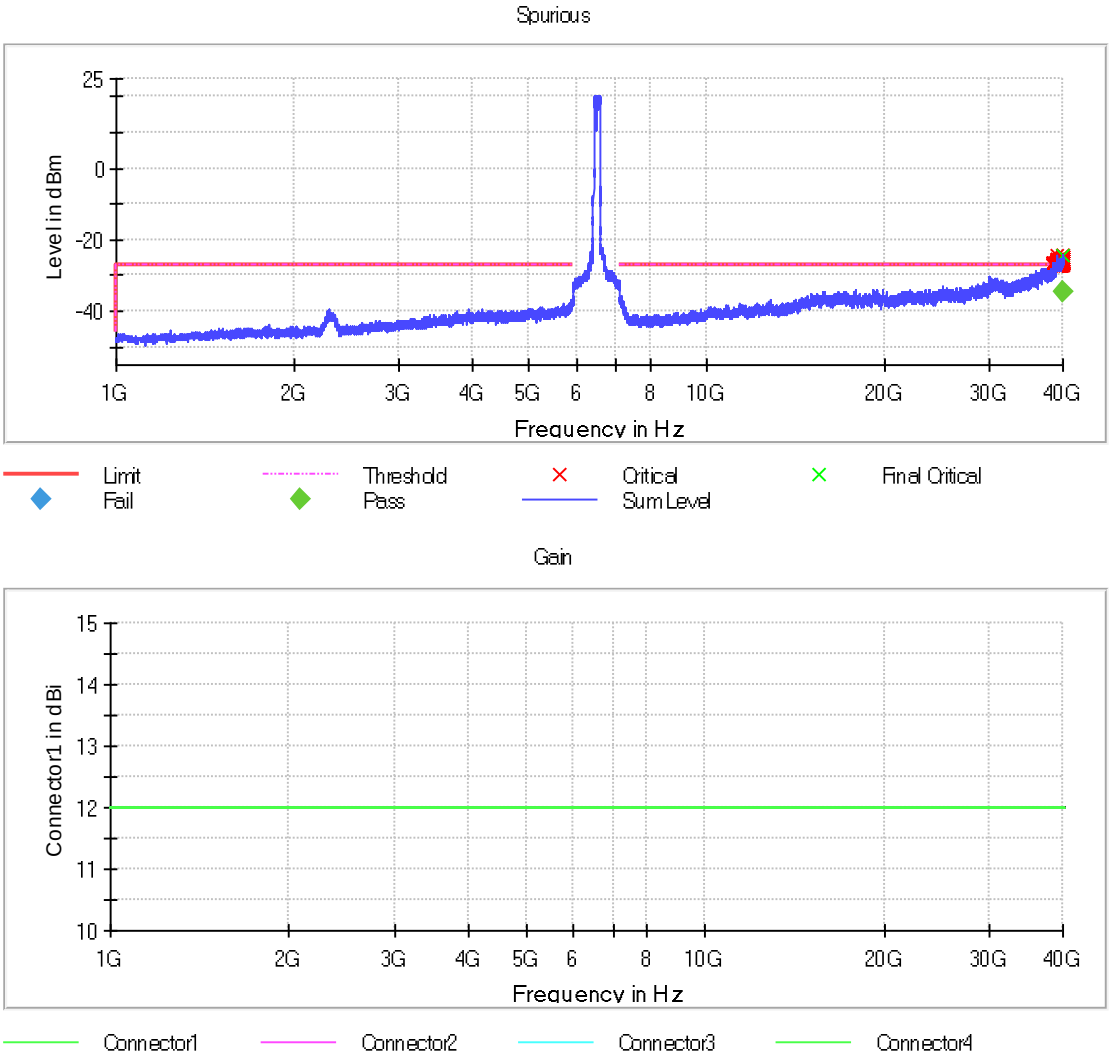
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
39970.250000	-24.2	-34.8	-27.0	7.8	PASS

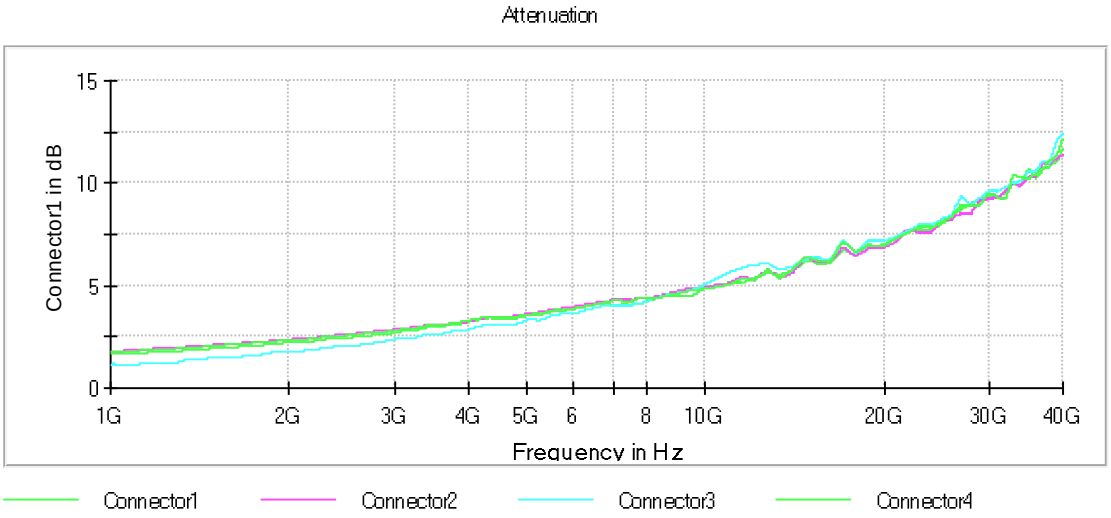
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
39970.250000	-24.2	-2.8	-27.0
39964.750000	-24.2	-2.8	-27.0
39969.750000	-24.4	-2.6	-27.0
39157.250000	-24.6	-2.4	-27.0
39971.750000	-24.6	-2.4	-27.0
39954.250000	-24.6	-2.4	-27.0
39959.750000	-24.6	-2.4	-27.0
39976.750000	-24.7	-2.3	-27.0
39966.750000	-24.7	-2.3	-27.0
39938.750000	-24.8	-2.2	-27.0
39980.250000	-24.8	-2.2	-27.0
39938.250000	-24.8	-2.2	-27.0
39946.750000	-24.8	-2.2	-27.0
39958.250000	-24.9	-2.1	-27.0
39984.250000	-24.9	-2.1	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	2	2
5925.000000	7125.000000	2	2
7125.000000	18000.000000	2	2
18000.000000	26000.000000	2	2
26000.000000	40000.000000	2	2


Spurious
25
0
-20
-40
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Fail
Threshold
Pass
Critical
Sum Level
Final Critical
Gain
15
14
13
12
11
10
Connector1 in dBi
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4


Attenuation
Connector1 in dB
15
10
5
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Average) (6505 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6505.000000	PASS

Final measurements

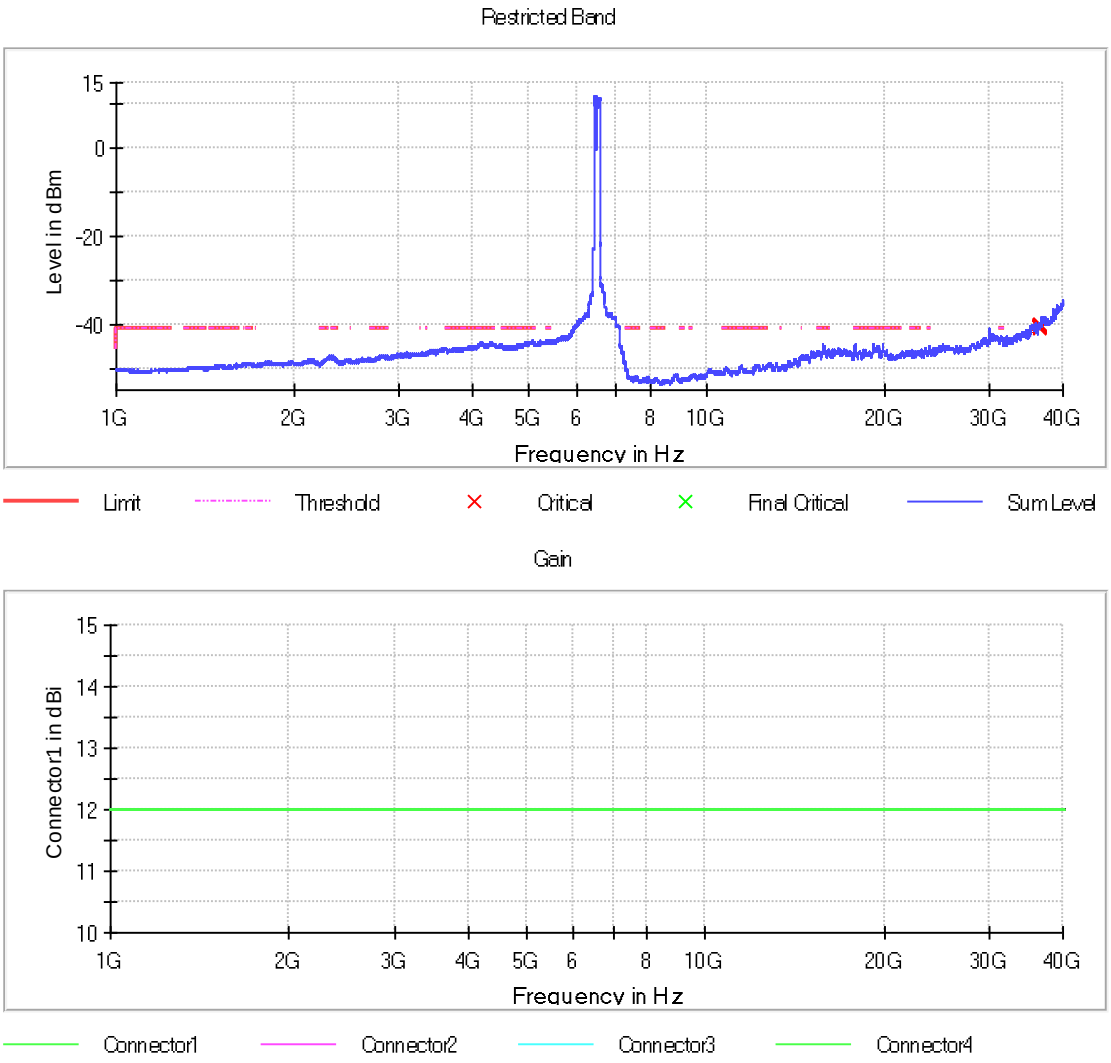
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

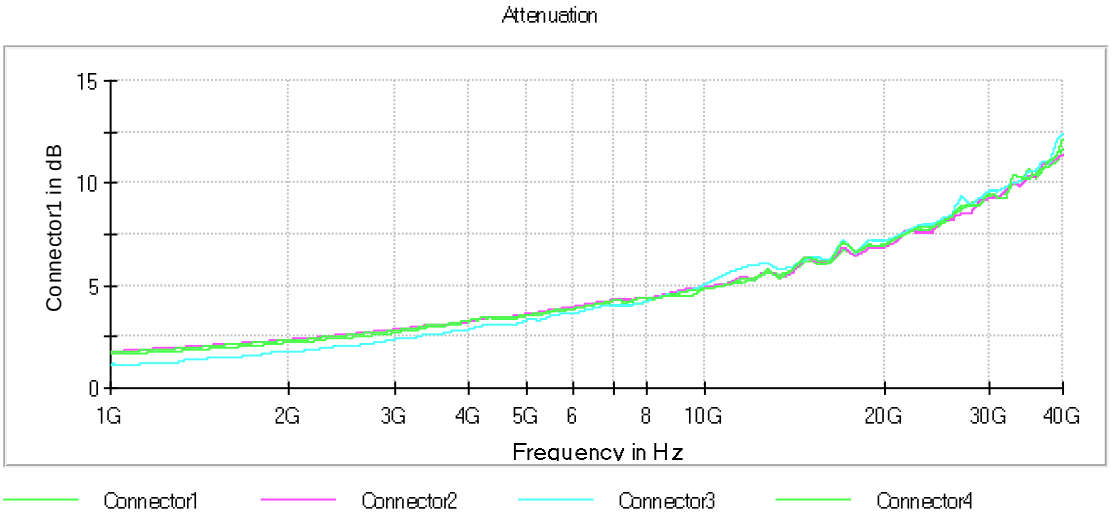
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36493.515828	-40.1	-1.1	-41.2
36495.578263	-40.2	-1.0	-41.2
36496.265742	-40.2	-1.0	-41.2
36499.015656	-40.2	-1.0	-41.2
36494.890785	-40.2	-1.0	-41.2
36487.328521	-40.2	-1.0	-41.2
36472.891472	-40.3	-0.9	-41.2
36499.703134	-40.3	-0.9	-41.2
36484.578607	-40.3	-0.9	-41.2
36452.954595	-40.3	-0.9	-41.2
36481.828693	-40.3	-0.9	-41.2
36477.703822	-40.3	-0.9	-41.2
36492.140871	-40.3	-0.9	-41.2
36468.079123	-40.3	-0.9	-41.2
36483.891128	-40.3	-0.9	-41.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	1


Restricted Band
15
0
-20
-40
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Threshold
Critical
Final Critical
Sum Level
Gain
15
14
13
12
11
10
Connector1 in dBi
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4


Attenuation
Connector1 in dB
15
10
5
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Peak) (6505 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6505.000000	PASS

Final measurements

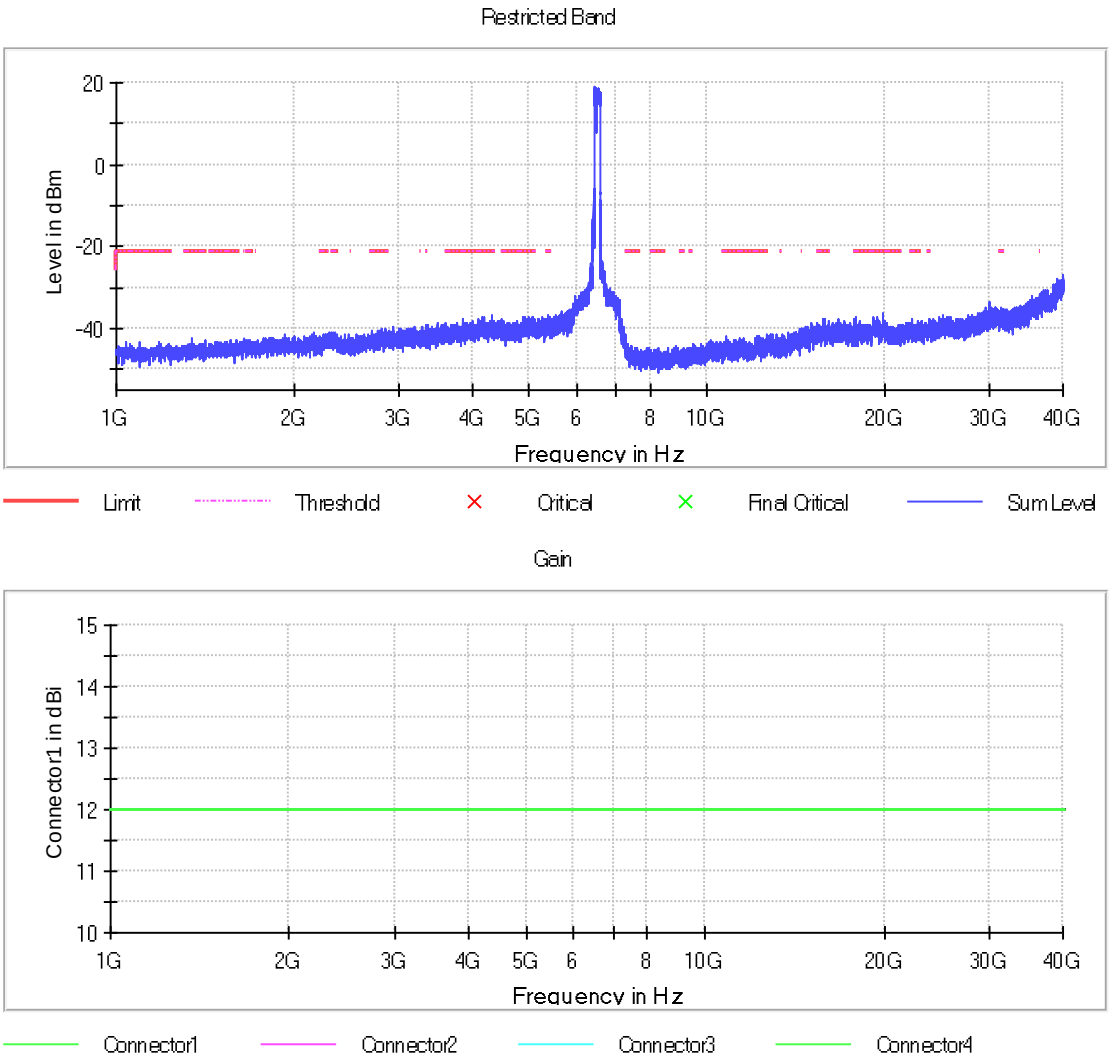
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

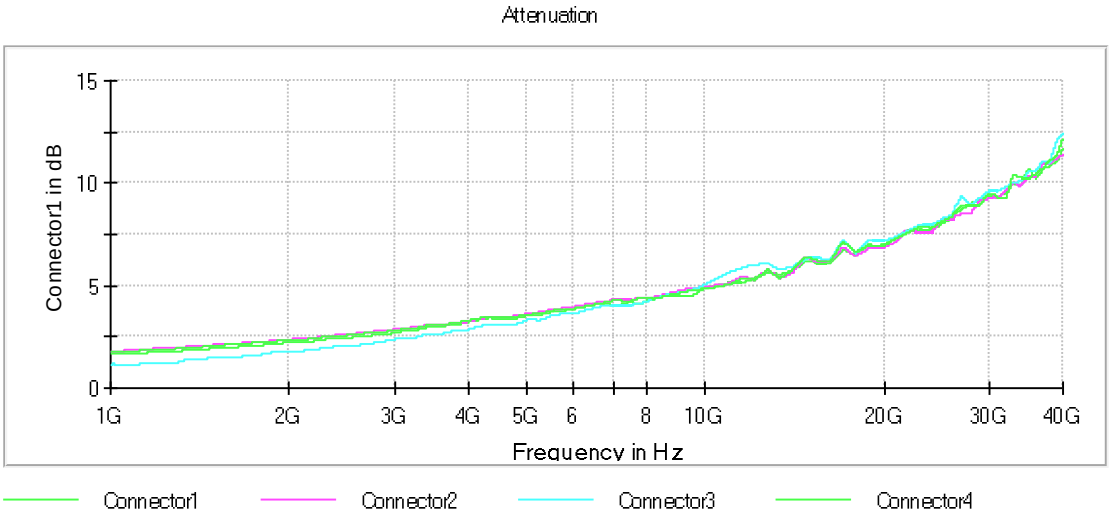
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36457.079466	-31.8	10.6	-21.2
36457.766945	-33.0	11.8	-21.2
36496.953220	-33.1	11.9	-21.2
36430.267804	-33.3	12.1	-21.2
36494.203306	-33.4	12.2	-21.2
36496.265742	-33.5	12.3	-21.2
36499.703134	-33.5	12.3	-21.2
36456.391988	-33.5	12.3	-21.2
36439.892503	-33.6	12.4	-21.2
36466.704165	-33.6	12.4	-21.2
36441.267460	-33.6	12.4	-21.2
36470.829037	-33.7	12.5	-21.2
36431.642761	-33.7	12.5	-21.2
36453.642074	-33.7	12.5	-21.2
36442.642417	-33.7	12.5	-21.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	2


Restricted Band
20
0
-20
-40
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Threshold
Critical
Final Critical
Sum Level
Gain
15
14
13
12
11
10
Connector1 in dBi
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4


Attenuation
Connector1 in dB
15
10
5
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emission Bandwidth 26 dB (6665 MHz; 24.000 dBm; 160 MHz)

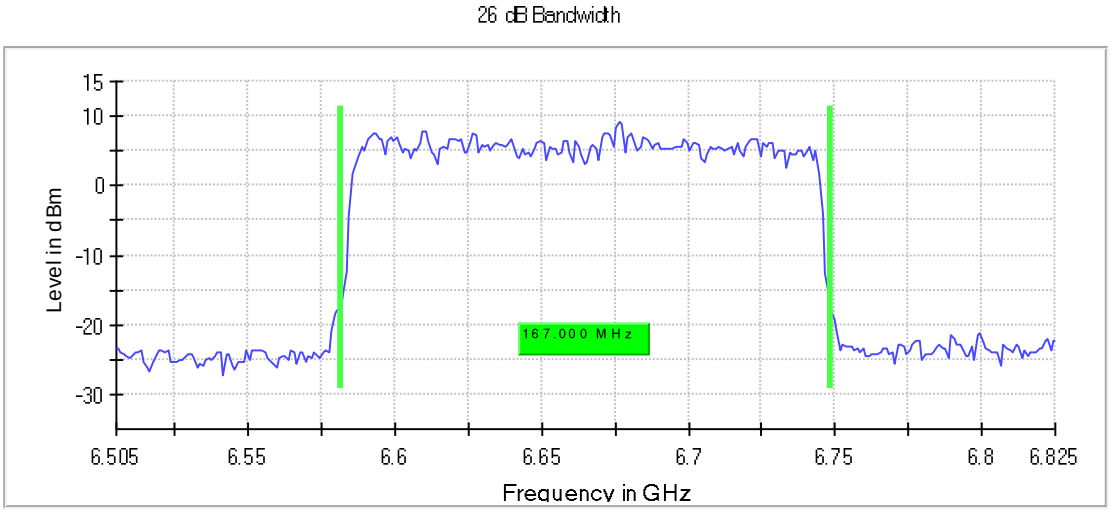
Customized settings.

26 dB Bandwidth

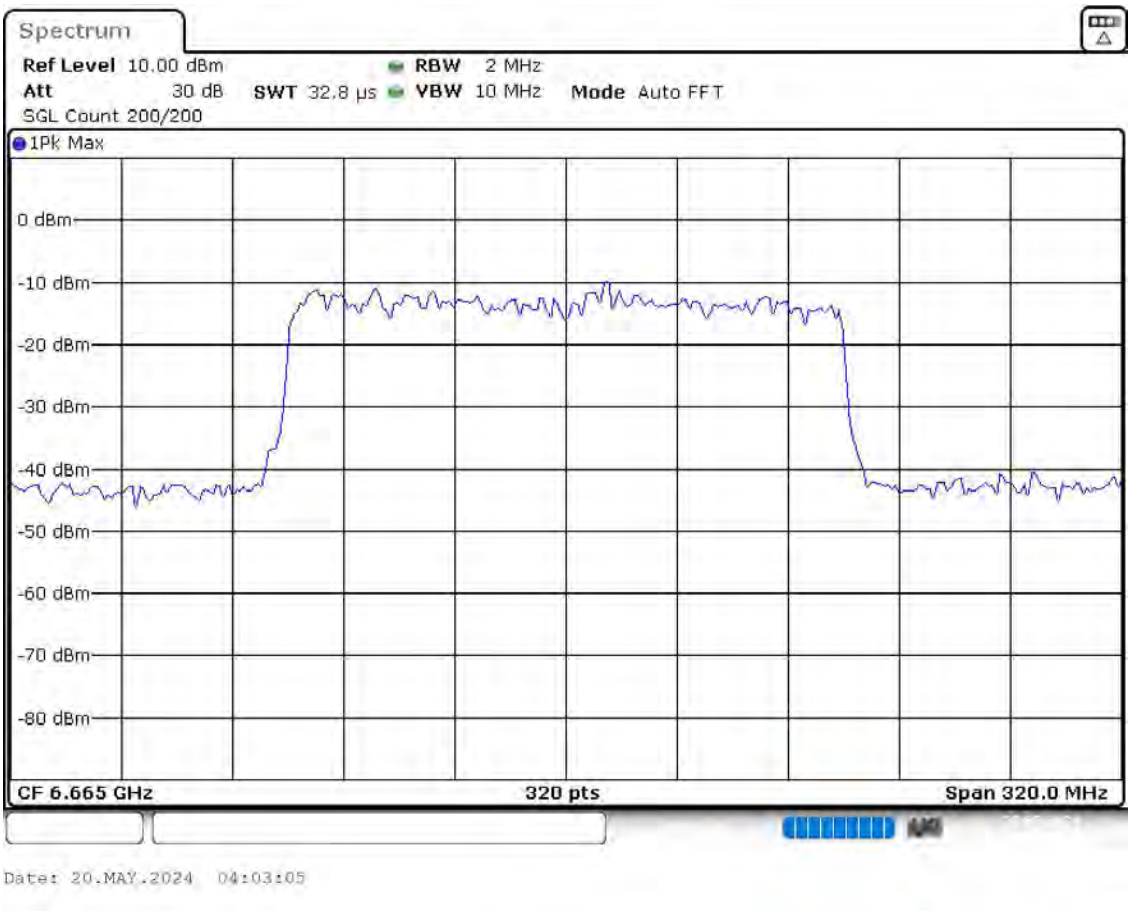
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6665.000000	167.000000	---	320.000000	6581.500000	---

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6665.000000	6748.500000	---	9.3	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 2 MHz
Att 30 dB
SWT 32.8 µs
VBW 10 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.665 GHz
320 pts
Span 320.0 MHz
Date: 20.MAY.2024 04:03:05

Power Spectral Density (SA-2) (6665 MHz; 24.000 dBm; 160 MHz)

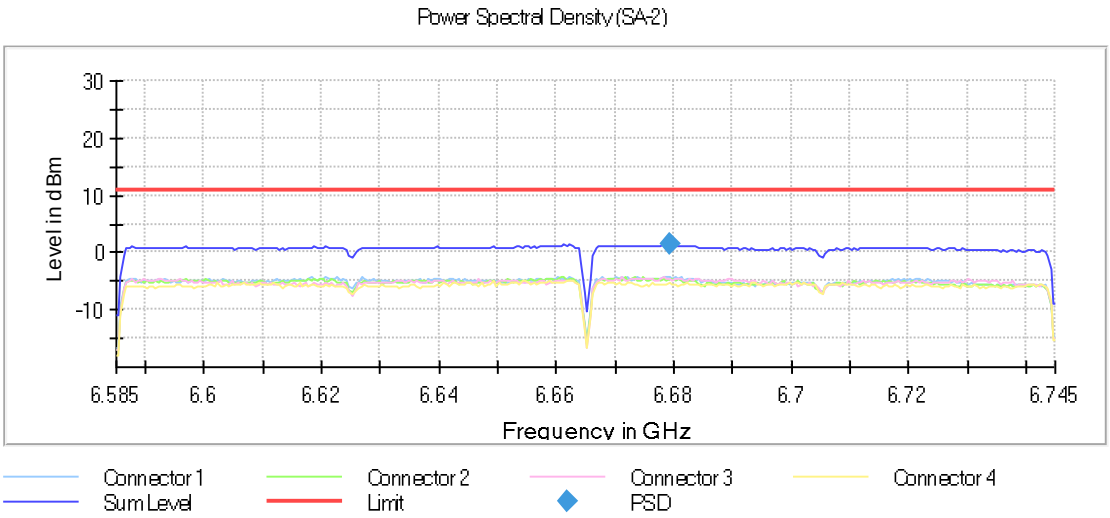
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6665.000000	6679.250000	1.386	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6665 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

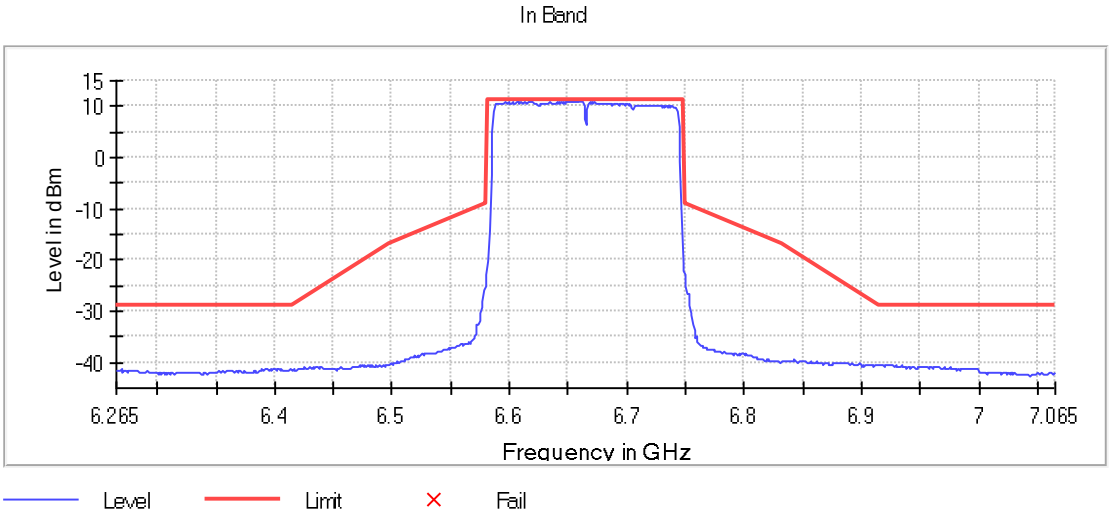
DUT Frequency (MHz)	Result
6665.000000	PASS

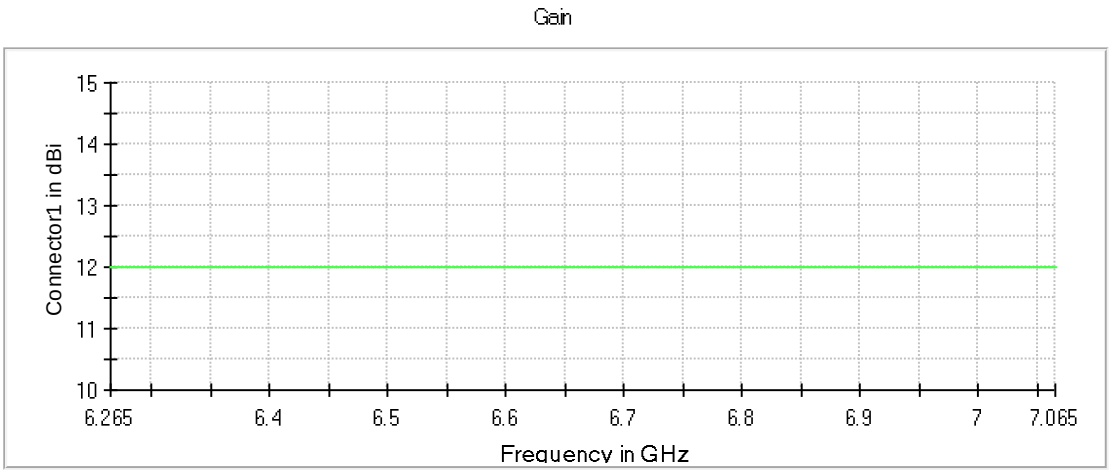
Inband Peak

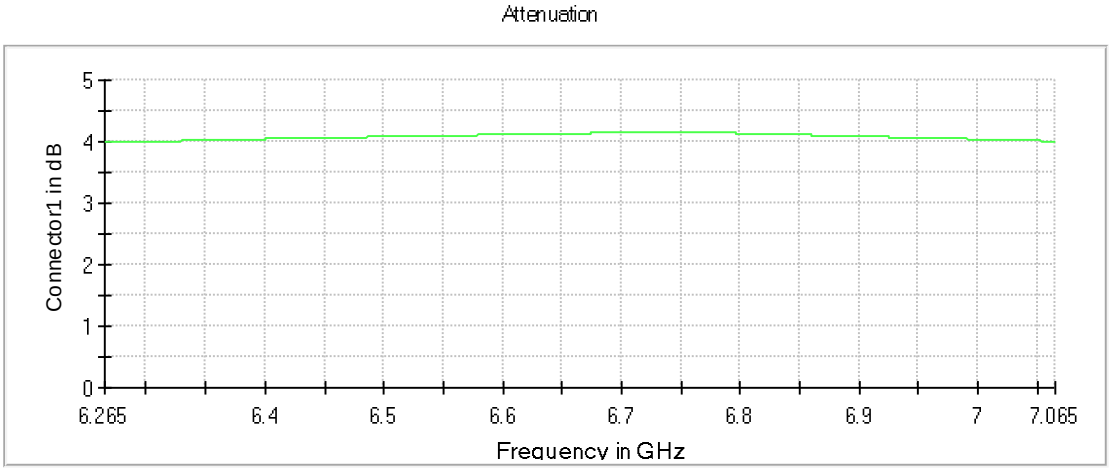
Frequency (MHz)	Level (dBm)
6661.500000	11.1

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6661.500000	11.1	0.0	11.1	PASS
6659.500000	11.1	0.0	11.1	PASS
6660.500000	11.0	0.1	11.1	PASS
6658.500000	11.0	0.1	11.1	PASS
6655.500000	11.0	0.1	11.1	PASS
6653.500000	11.0	0.2	11.1	PASS
6656.500000	10.9	0.2	11.1	PASS
6662.500000	10.9	0.2	11.1	PASS
6616.500000	10.9	0.2	11.1	PASS
6652.500000	10.9	0.2	11.1	PASS
6657.500000	10.9	0.2	11.1	PASS
6617.500000	10.9	0.2	11.1	PASS
6651.500000	10.8	0.3	11.1	PASS
6609.500000	10.8	0.3	11.1	PASS
6602.500000	10.8	0.3	11.1	PASS


In Band
15
10
0
-10
-20
-30
-40
Level in dBm
6.265
6.4
6.5
6.6
6.7
6.8
6.9
7
7.065
Frequency in GHz
Level
Limit
Fail


Gain
Connector1 in dBi
15
14
13
12
11
10
6.265
6.4
6.5
6.6
6.7
6.8
6.9
7
7.065
Frequency in GHz
Connector1


Attenuation
Connector1 in dB
5
4
3
2
1
0
6.265
6.4
6.5
6.6
6.7
6.8
6.9
7
7.065
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6665 MHz; 24.000 dBm; 160 MHz)

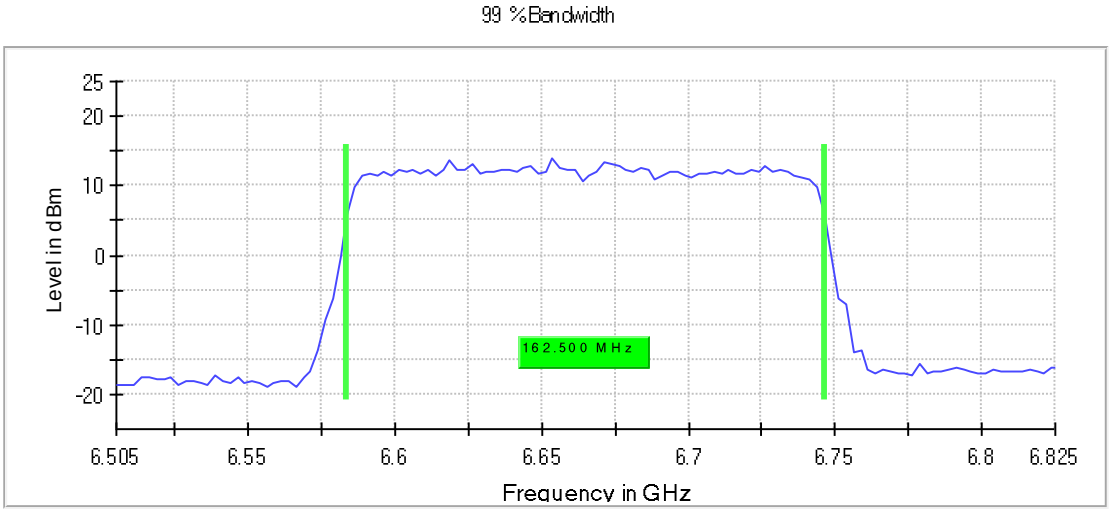
Customized settings.

99 % Bandwidth

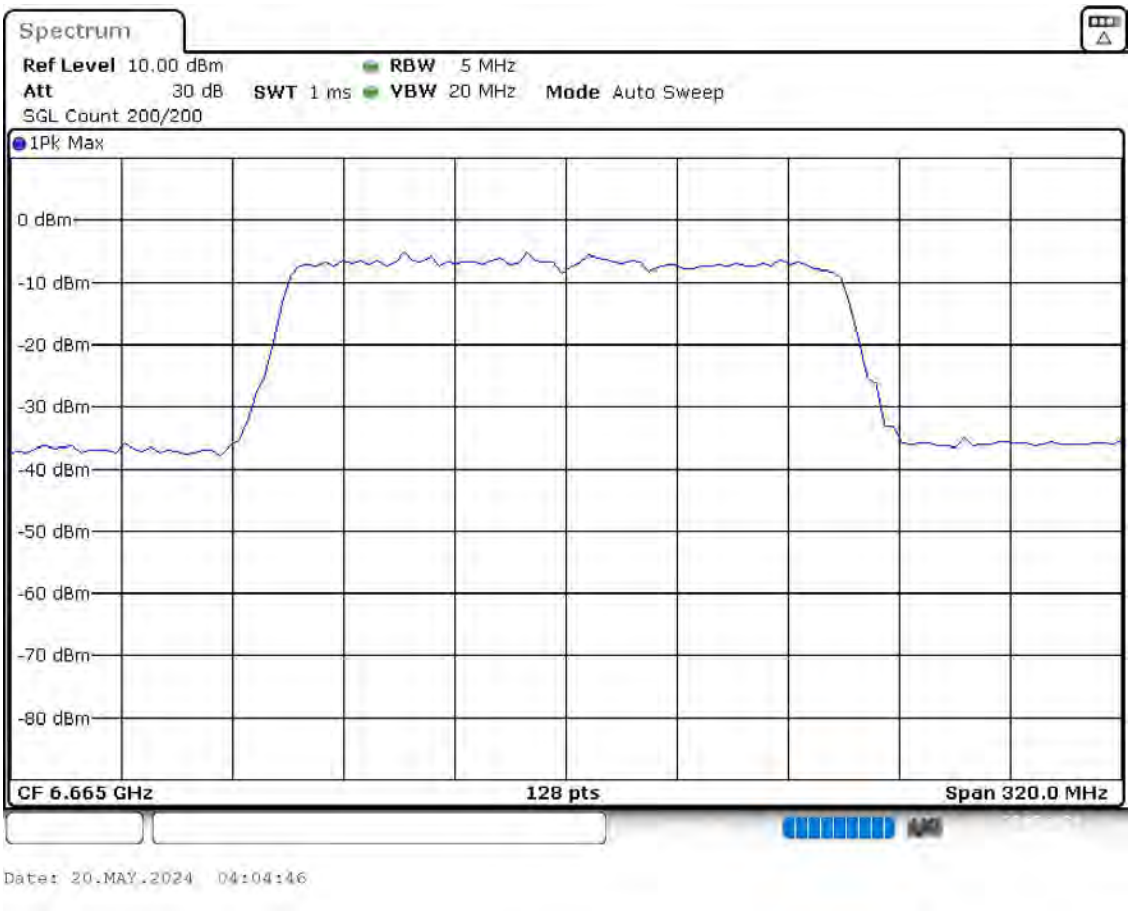
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6665.000000	162.500000	---	320.000000	6583.750000	5925.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6665.000000	6746.250000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 5 MHz
Att 30 dB
SWT 1 ms
VBW 20 MHz
Mode Auto Sweep
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.665 GHz
128 pts
Span 320.0 MHz
Date: 20.MAY.2024 04:04:46

Tx Spurious Emission (6665 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6665.000000	PASS

Final measurements

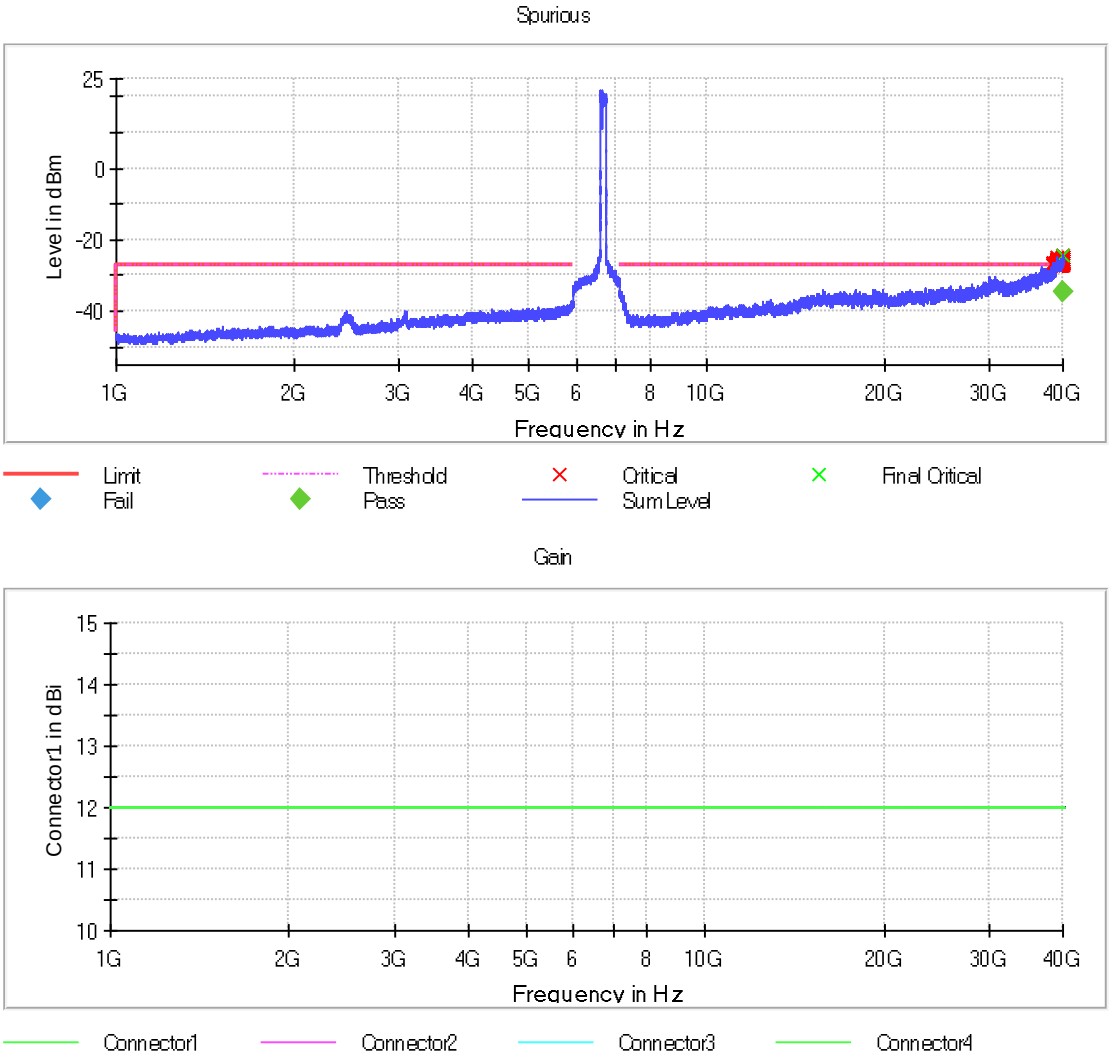
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
39950.250000	-24.5	-34.8	-27.0	7.8	PASS

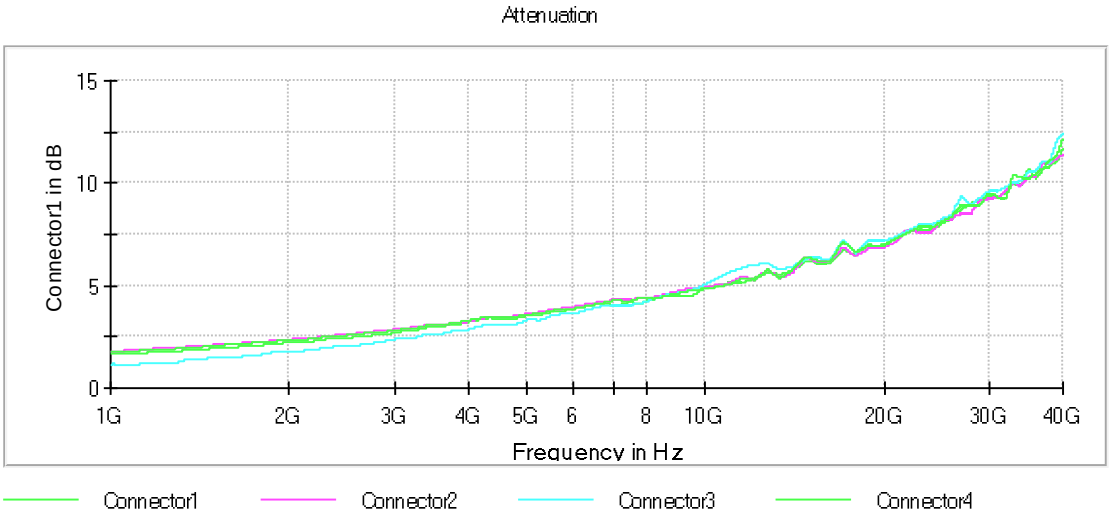
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
39950.250000	-24.5	-2.5	-27.0
39952.250000	-24.5	-2.5	-27.0
39946.250000	-24.6	-2.4	-27.0
39979.250000	-24.6	-2.4	-27.0
39973.750000	-24.6	-2.4	-27.0
39924.750000	-24.7	-2.3	-27.0
39990.250000	-24.7	-2.3	-27.0
39961.250000	-24.7	-2.3	-27.0
39931.250000	-24.8	-2.2	-27.0
39975.750000	-24.8	-2.2	-27.0
39974.750000	-24.8	-2.2	-27.0
39995.750000	-24.8	-2.2	-27.0
39955.750000	-24.8	-2.2	-27.0
39962.250000	-24.9	-2.1	-27.0
39995.250000	-24.9	-2.1	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	2	2
5925.000000	7125.000000	2	2
7125.000000	18000.000000	2	2
18000.000000	26000.000000	2	2
26000.000000	40000.000000	2	2


Spurious
25
0
-20
-40
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Fail
Threshold
Pass
Critical
Sum Level
Final Critical
Gain
15
14
13
12
11
10
Connector1 in dBi
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4


Attenuation
Connector1 in dB
15
10
5
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Average) (6665 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6665.000000	PASS

Final measurements

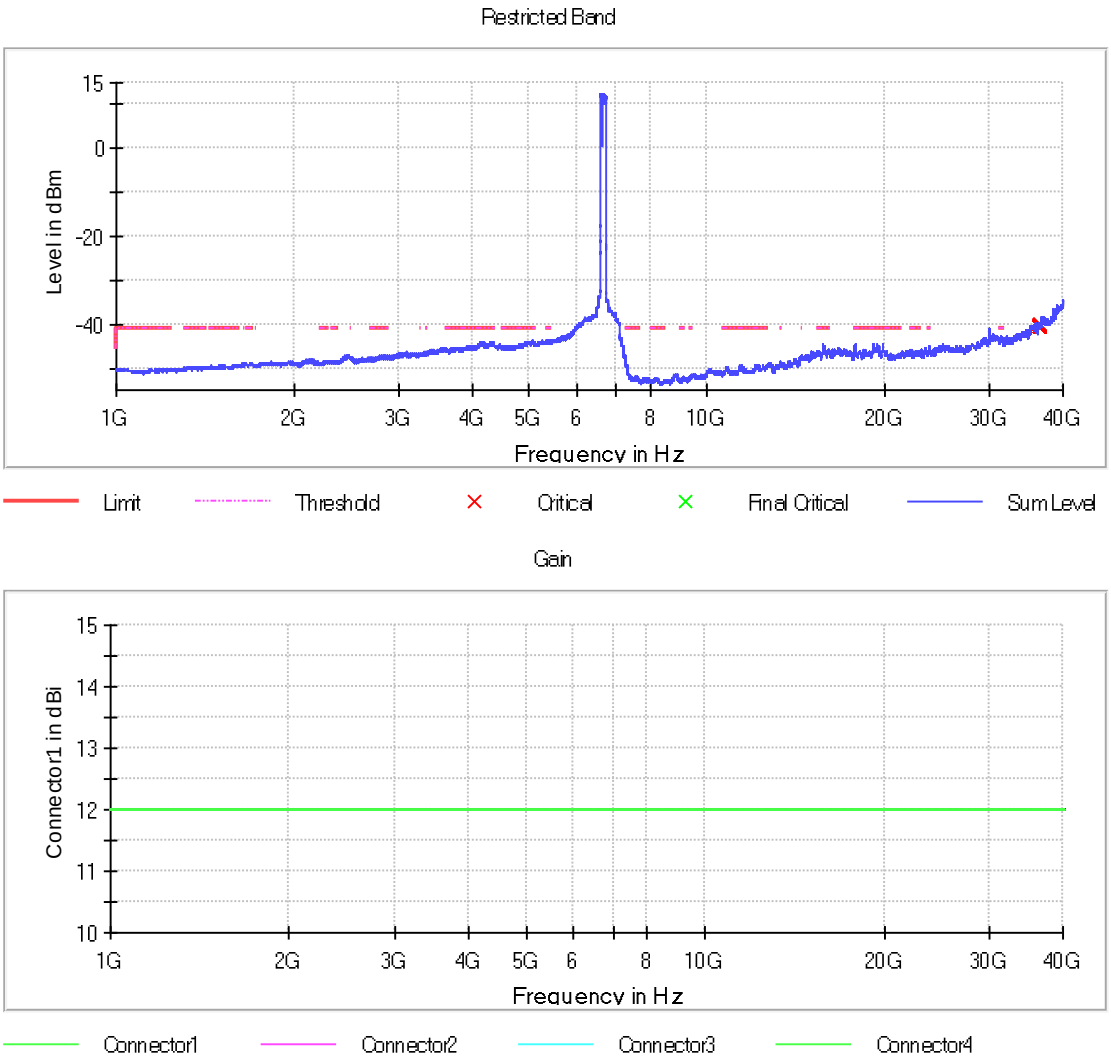
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

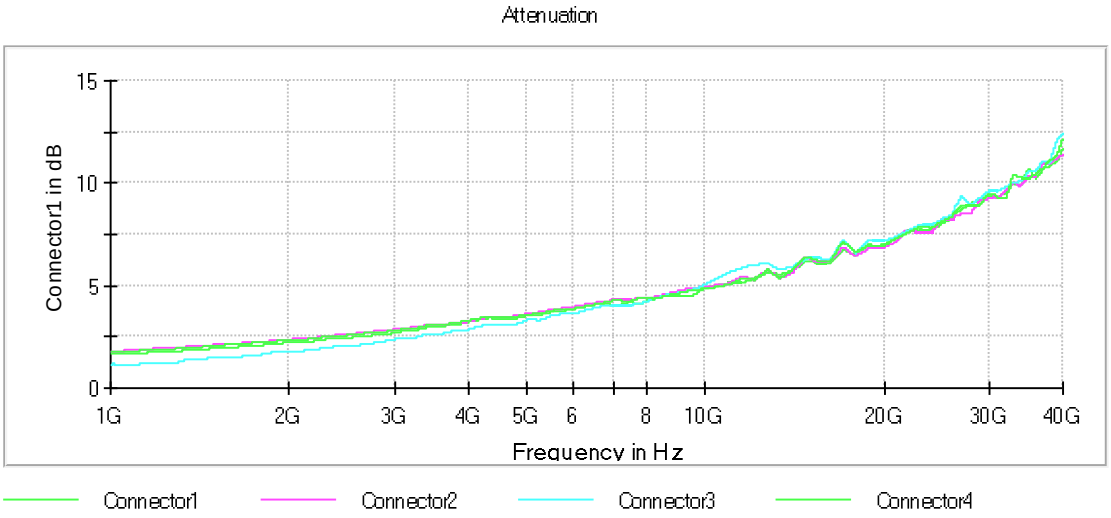
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36496.265742	-40.1	-1.1	-41.2
36485.953564	-40.1	-1.1	-41.2
36495.578263	-40.1	-1.1	-41.2
36480.453736	-40.2	-1.0	-41.2
36499.015656	-40.2	-1.0	-41.2
36494.203306	-40.3	-0.9	-41.2
36486.641042	-40.3	-0.9	-41.2
36476.328865	-40.3	-0.9	-41.2
36481.141214	-40.3	-0.9	-41.2
36474.266429	-40.3	-0.9	-41.2
36485.266085	-40.3	-0.9	-41.2
36491.453392	-40.3	-0.9	-41.2
36497.640699	-40.3	-0.9	-41.2
36490.078435	-40.3	-0.9	-41.2
36483.891128	-40.3	-0.9	-41.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	1


Restricted Band
15
0
-20
-40
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Threshold
Critical
Final Critical
Sum Level
Gain
15
14
13
12
11
10
Connector1 in dBi
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4


Attenuation
Connector1 in dB
15
10
5
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Peak) (6665 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6665.000000	PASS

Final measurements

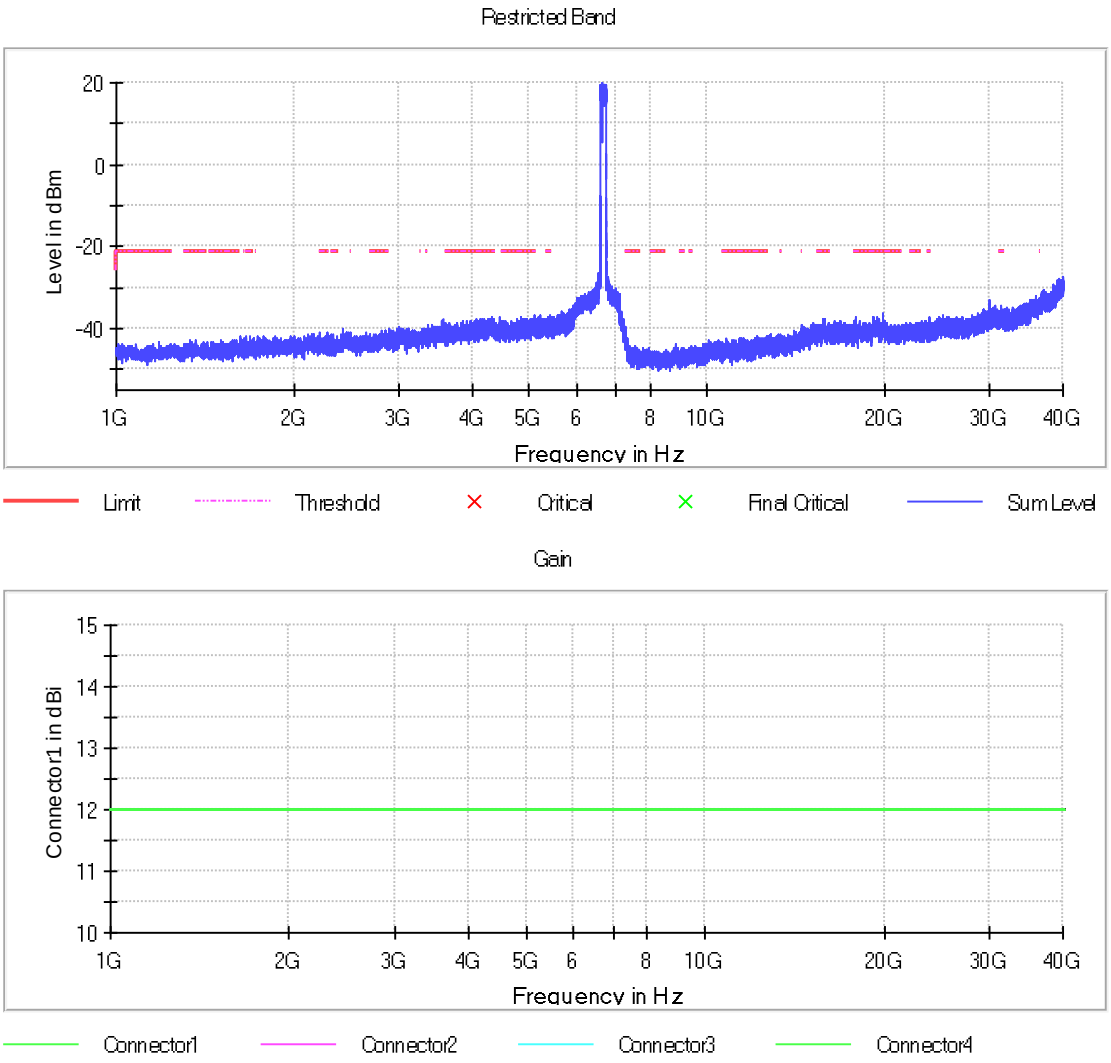
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

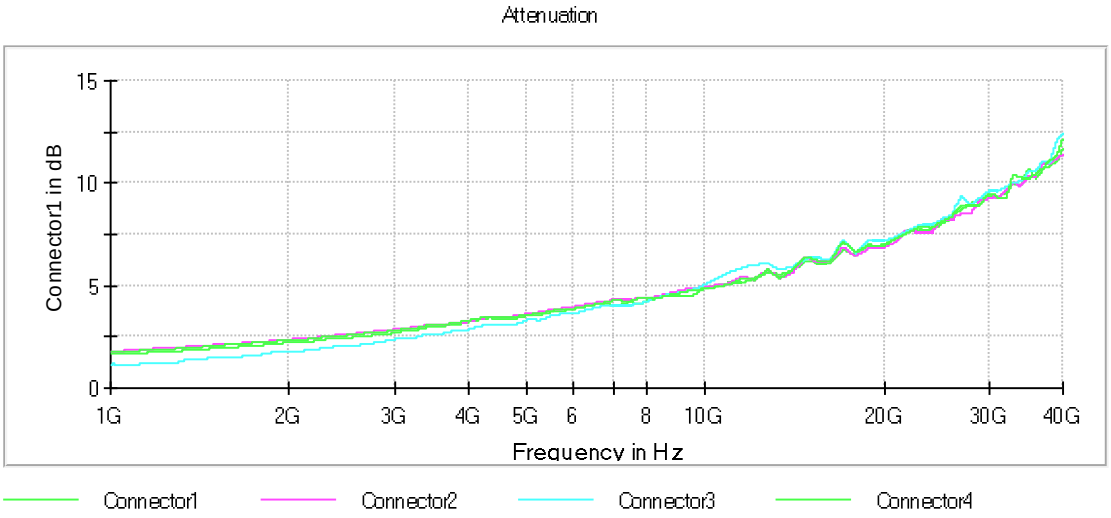
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36463.954251	-32.7	11.5	-21.2
36495.578263	-33.3	12.1	-21.2
36450.204681	-33.5	12.3	-21.2
36462.579294	-33.5	12.3	-21.2
36492.140871	-33.6	12.4	-21.2
36457.079466	-33.6	12.4	-21.2
36450.892160	-33.7	12.5	-21.2
36491.453392	-33.8	12.6	-21.2
36469.454080	-33.8	12.6	-21.2
36461.891816	-33.8	12.6	-21.2
36473.578951	-33.8	12.6	-21.2
36481.141214	-33.8	12.6	-21.2
36465.329208	-33.9	12.7	-21.2
36430.955283	-33.9	12.7	-21.2
36459.829380	-33.9	12.7	-21.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	2


Restricted Band
20
0
-20
-40
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Threshold
Critical
Final Critical
Sum Level
Gain
15
14
13
12
11
10
Connector1 in dBi
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4


Attenuation
Connector1 in dB
15
10
5
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emission Bandwidth 26 dB (6825 MHz; 24.000 dBm; 160 MHz)

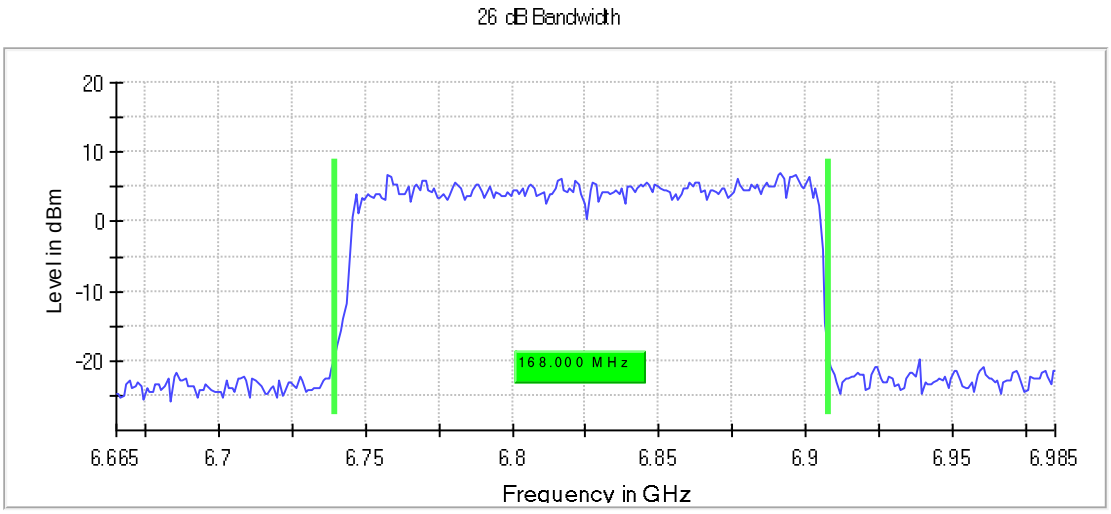
Customized settings.

26 dB Bandwidth

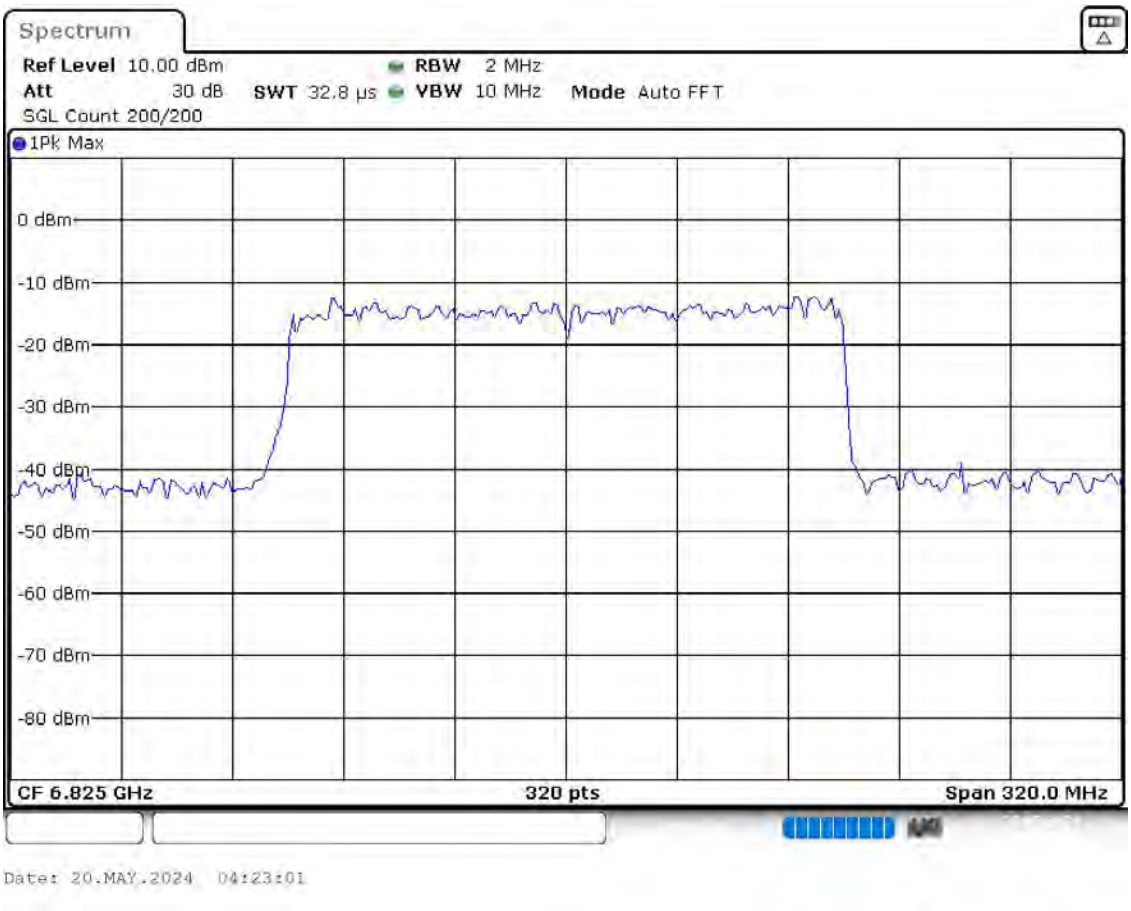
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6825.000000	168.000000	135.500000	32.500000	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6825.000000	6739.500000	---	6907.500000	---	7.0	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 2 MHz
Att 30 dB
SWT 32.8 µs
VBW 10 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.825 GHz
320 pts
Span 320.0 MHz
Date: 20.MAY.2024 04:23:01

Power Spectral Density (SA-2) (6825 MHz; 24.000 dBm; 160 MHz)

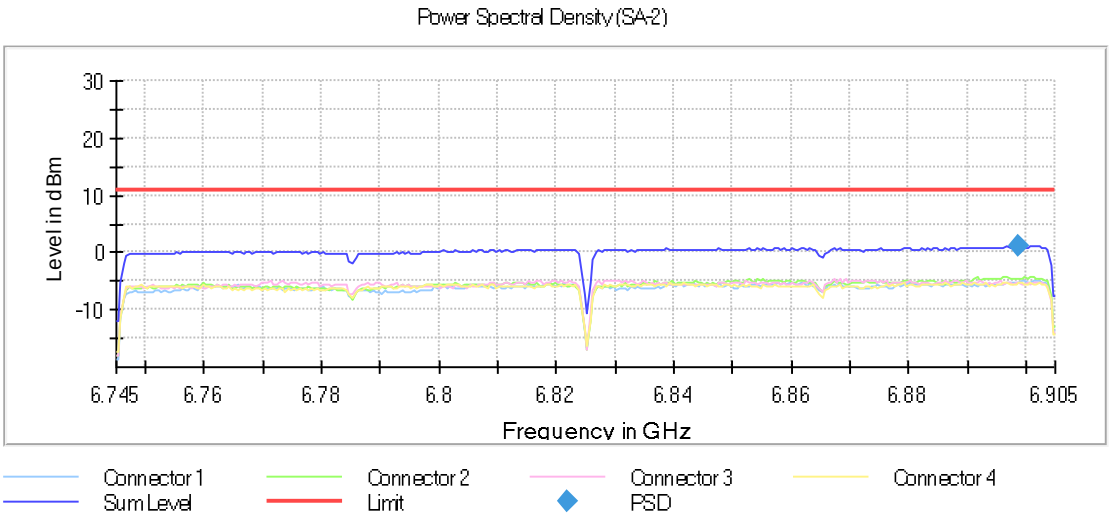
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6825.000000	6898.750000	1.067	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6825 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

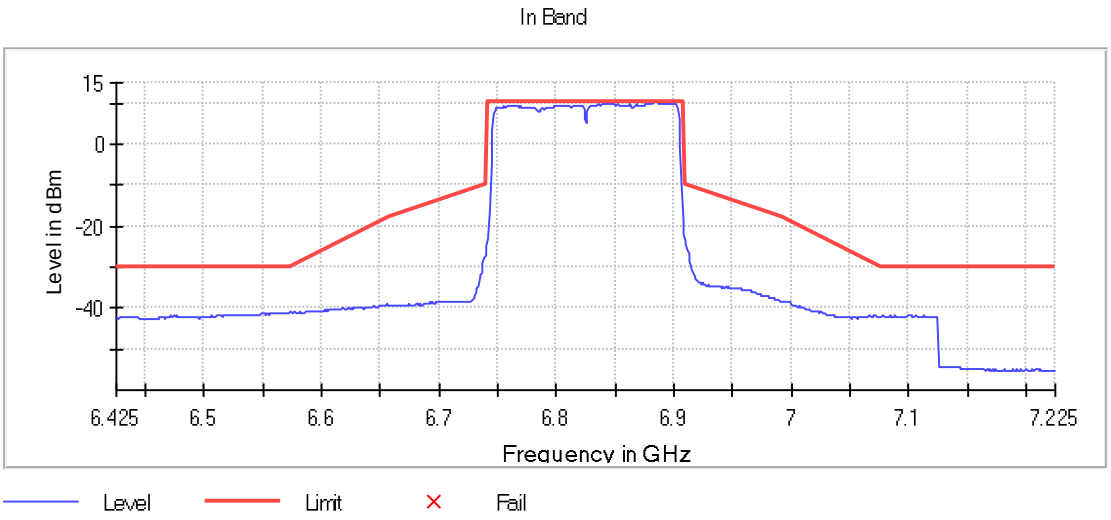
DUT Frequency (MHz)	Result
6825.000000	PASS

Inband Peak

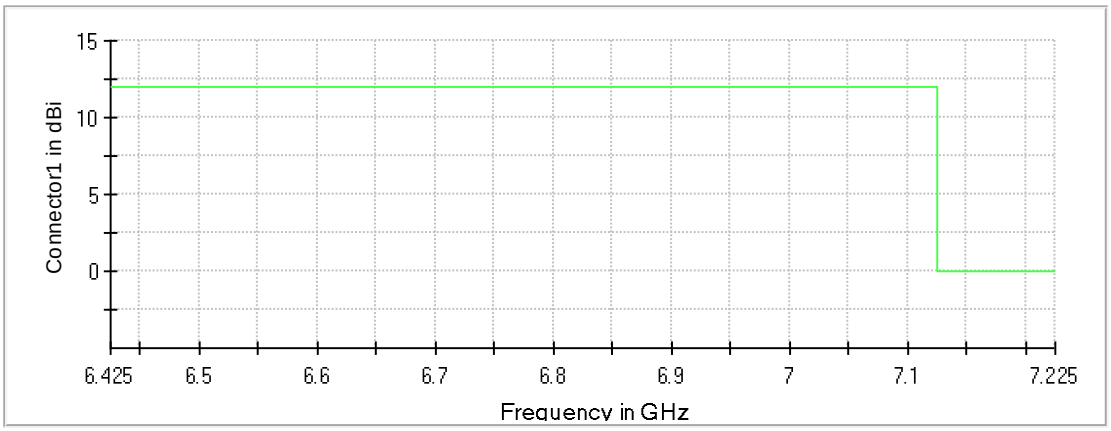
Frequency (MHz)	Level (dBm)
6885.500000	10.2

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6881.500000	10.2	0.0	10.2	PASS
6883.500000	10.2	0.0	10.2	PASS
6886.500000	10.1	0.1	10.2	PASS
6884.500000	10.1	0.1	10.2	PASS
6880.500000	10.1	0.1	10.2	PASS
6888.500000	10.1	0.2	10.2	PASS
6900.500000	10.0	0.2	10.2	PASS
6882.500000	10.0	0.2	10.2	PASS
6844.500000	10.0	0.2	10.2	PASS
6892.500000	10.0	0.2	10.2	PASS
6902.500000	10.0	0.2	10.2	PASS
6899.500000	10.0	0.2	10.2	PASS
6887.500000	10.0	0.2	10.2	PASS
6878.500000	10.0	0.2	10.2	PASS
6842.500000	10.0	0.2	10.2	PASS

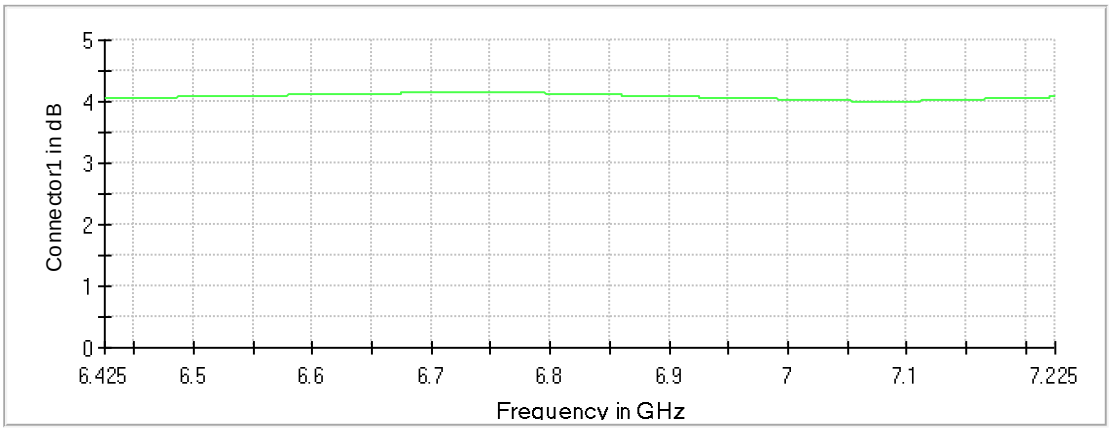

In Band
15
0
-20
-40
Level in dBm
6.425
6.5
6.6
6.7
6.8
6.9
7
7.1
7.225
Frequency in GHz
Level
Limit
Fail

Gain



Connector1

Attenuation



Connector1

Occupied Channel Bandwidth 99% (6825 MHz; 24.000 dBm; 160 MHz)

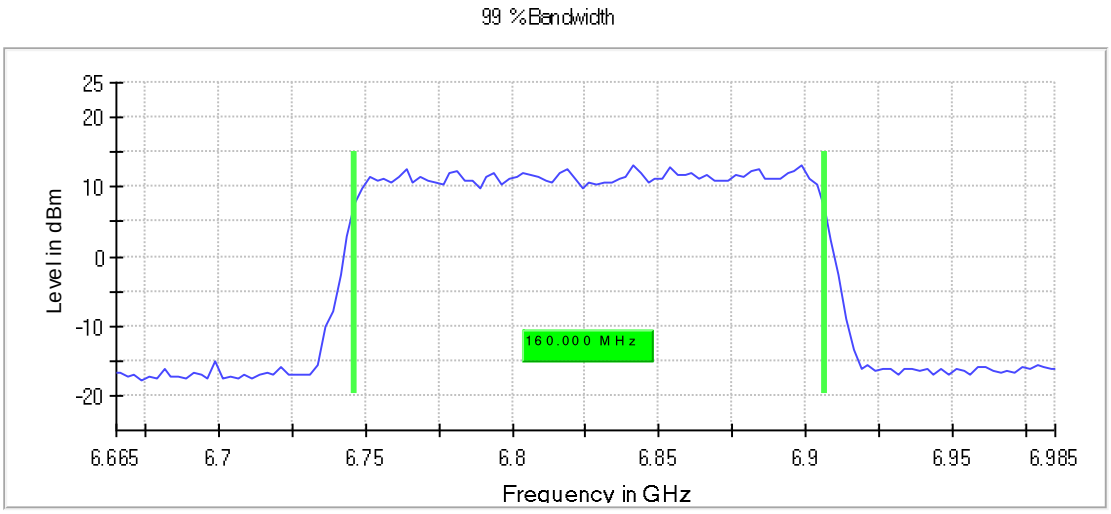
Customized settings.

99 % Bandwidth

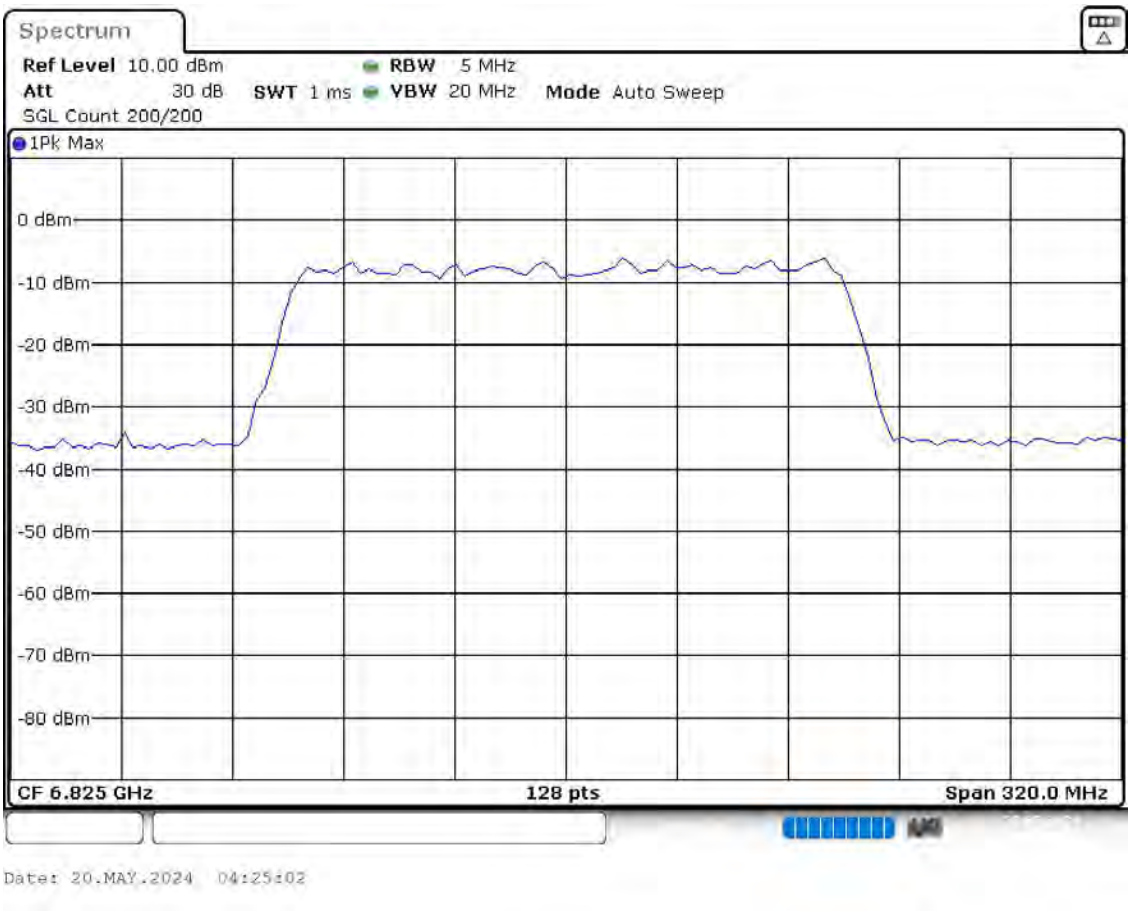
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6825.000000	160.000000	128.750000	31.250000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6825.000000	6746.250000	5925.000000	6906.250000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 5 MHz
Att 30 dB
SWT 1 ms
VBW 20 MHz
Mode Auto Sweep
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.825 GHz
128 pts
Span 320.0 MHz
Date: 20.MAY.2024 04:25:02

Tx Spurious Emission (6825 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6825.000000	PASS

Final measurements

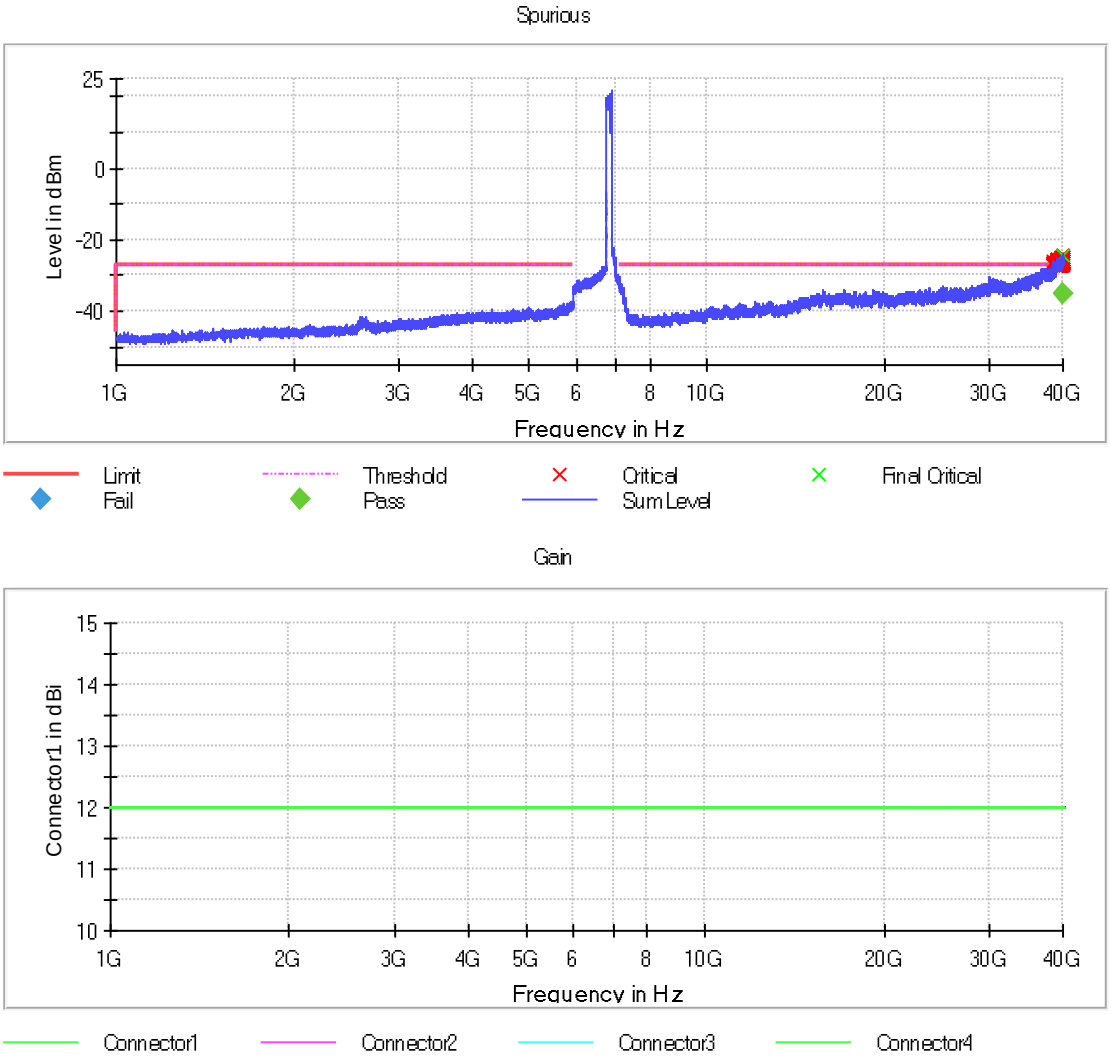
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
39938.250000	-24.2	-35.0	-27.0	8.0	PASS

Pre Measurements

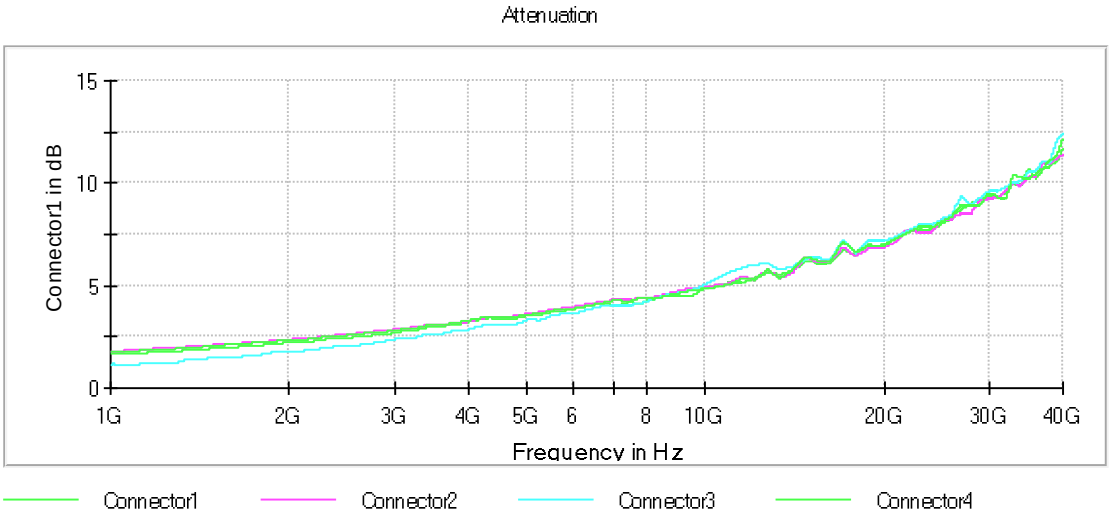
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
39938.250000	-24.2	-2.8	-27.0
39961.250000	-24.3	-2.7	-27.0
39948.750000	-24.4	-2.6	-27.0
39947.750000	-24.5	-2.5	-27.0
39963.750000	-24.6	-2.4	-27.0
39997.250000	-24.7	-2.3	-27.0
39967.250000	-24.7	-2.3	-27.0
39950.750000	-24.8	-2.2	-27.0
39955.750000	-24.8	-2.2	-27.0
39961.750000	-24.8	-2.2	-27.0
39984.250000	-24.8	-2.2	-27.0
39942.250000	-24.8	-2.2	-27.0
39938.750000	-24.9	-2.1	-27.0
39988.250000	-24.9	-2.1	-27.0
39941.250000	-24.9	-2.1	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	2	2
5925.000000	7125.000000	2	2
7125.000000	18000.000000	2	2
18000.000000	26000.000000	2	2
26000.000000	40000.000000	2	2


Spurious
25
0
-20
-40
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Fail
Threshold
Pass
Critical
Sum Level
Final Critical

Gain
15
14
13
12
11
10
Connector1 in dBi
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4


Attenuation
Connector1 in dB
15
10
5
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Average) (6825 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6825.000000	PASS

Final measurements

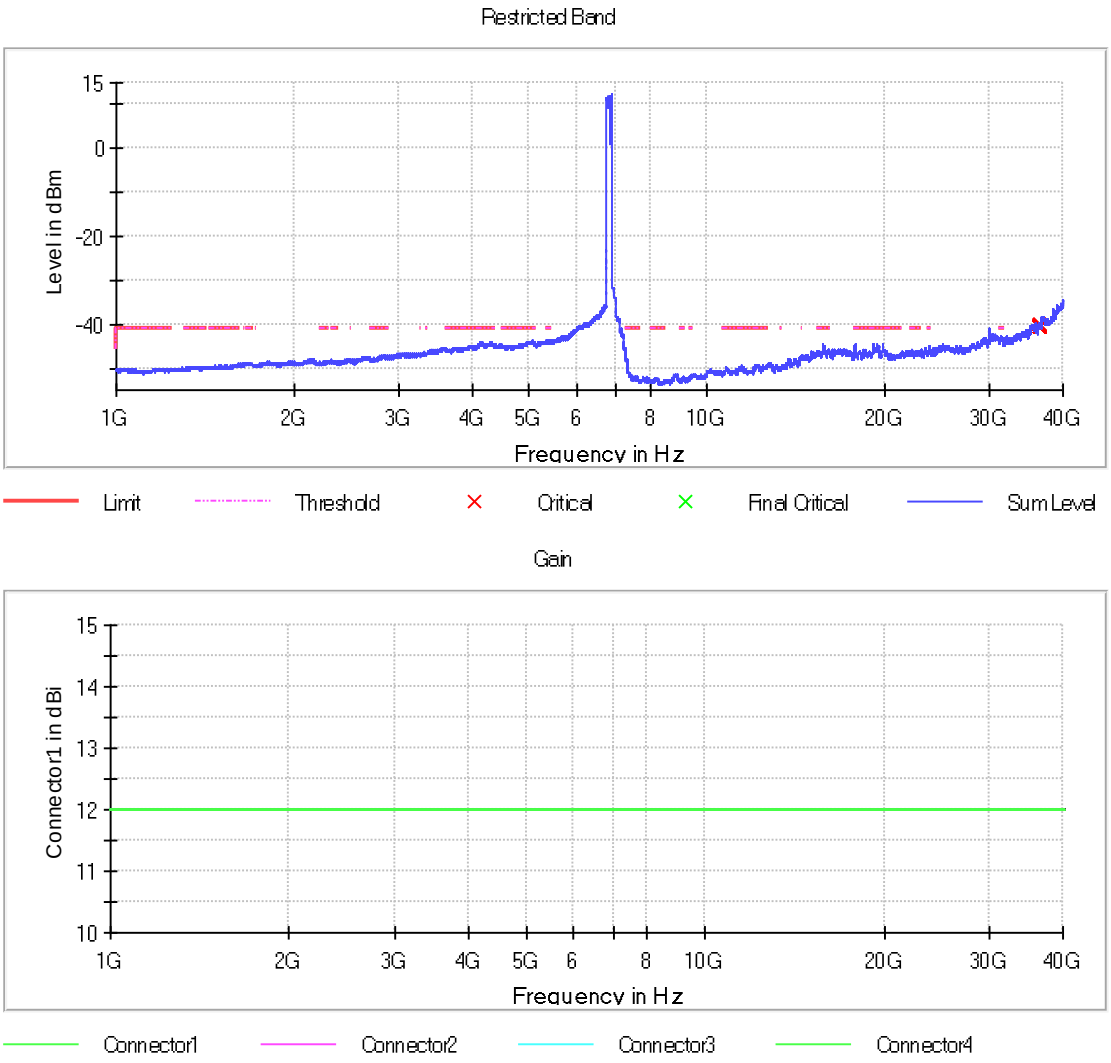
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

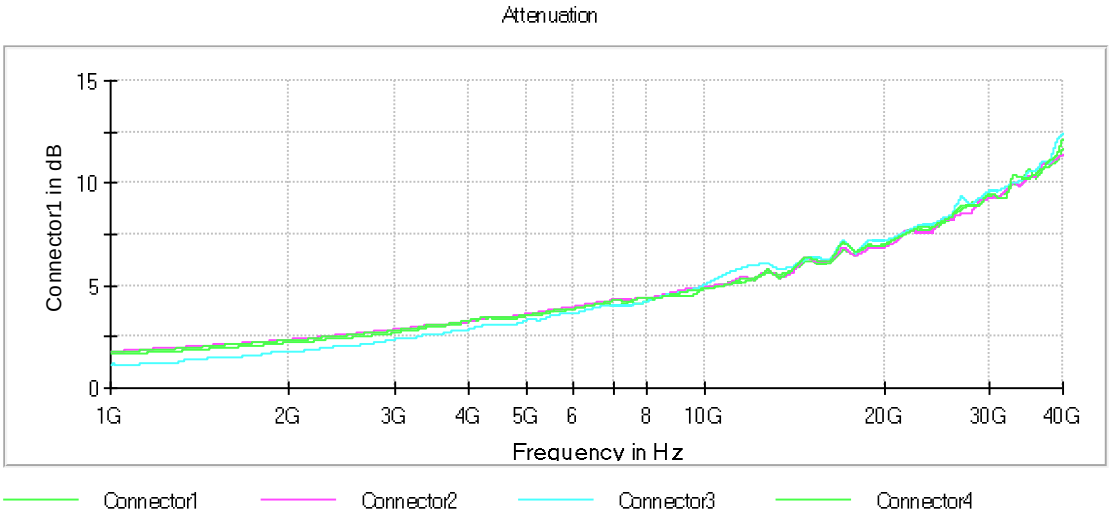
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36497.640699	-40.1	-1.1	-41.2
36492.828349	-40.2	-1.0	-41.2
36494.203306	-40.2	-1.0	-41.2
36482.516171	-40.2	-1.0	-41.2
36499.703134	-40.2	-1.0	-41.2
36499.015656	-40.2	-1.0	-41.2
36493.515828	-40.2	-1.0	-41.2
36496.953220	-40.3	-0.9	-41.2
36498.328177	-40.3	-0.9	-41.2
36485.266085	-40.3	-0.9	-41.2
36491.453392	-40.3	-0.9	-41.2
36487.328521	-40.3	-0.9	-41.2
36483.891128	-40.3	-0.9	-41.2
36496.265742	-40.3	-0.9	-41.2
36481.828693	-40.3	-0.9	-41.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	1


Restricted Band
15
0
-20
-40
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Threshold
Critical
Final Critical
Sum Level
Gain
15
14
13
12
11
10
Connector1 in dBi
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4


Attenuation
Connector1 in dB
15
10
5
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Peak) (6825 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6825.000000	PASS

Final measurements

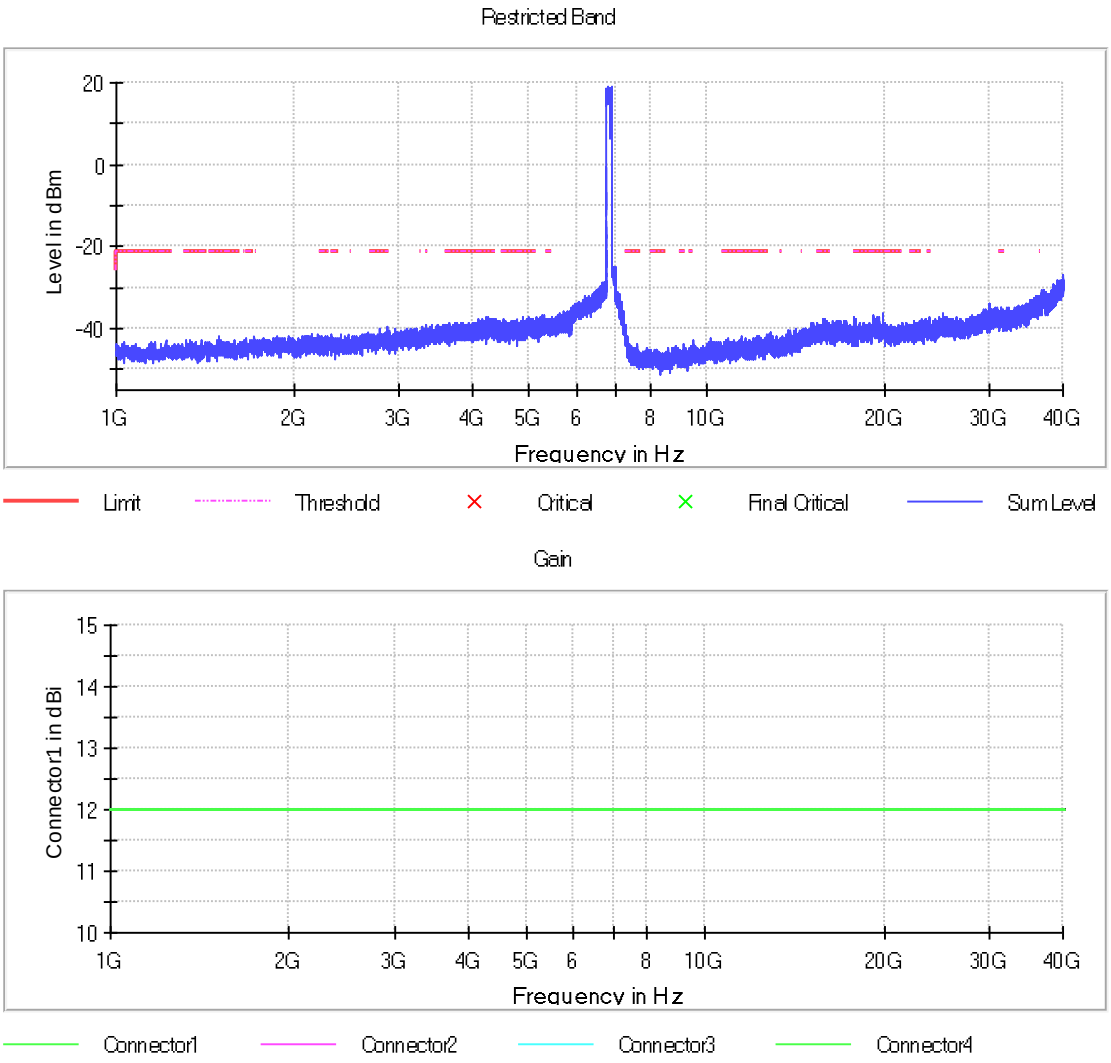
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

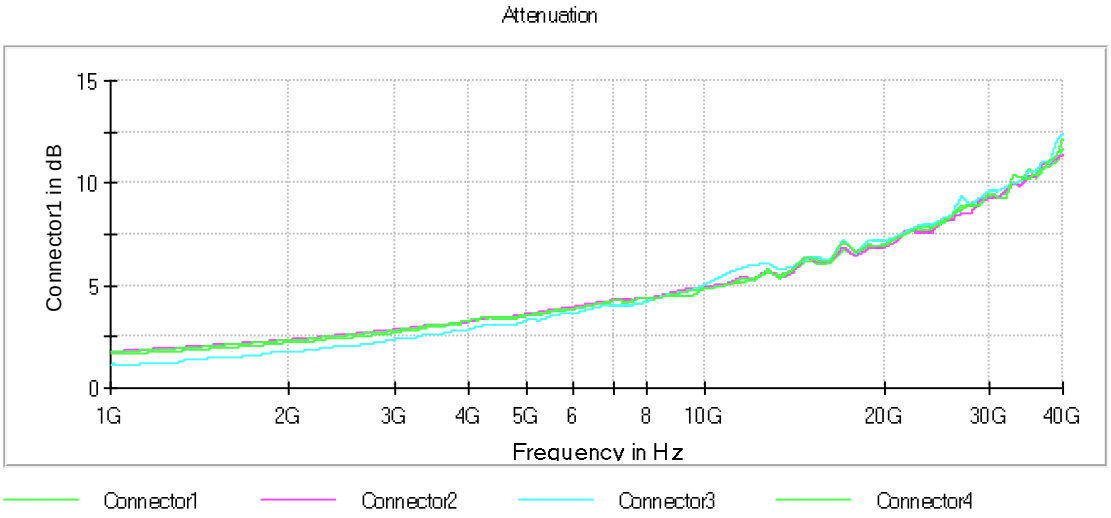
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36490.765914	-32.7	11.5	-21.2
36473.578951	-32.7	11.5	-21.2
36486.641042	-32.8	11.6	-21.2
36451.579638	-33.3	12.1	-21.2
36495.578263	-33.3	12.1	-21.2
36484.578607	-33.3	12.1	-21.2
36452.267117	-33.5	12.3	-21.2
36448.829724	-33.6	12.4	-21.2
36468.766601	-33.6	12.4	-21.2
36476.328865	-33.6	12.4	-21.2
36462.579294	-33.6	12.4	-21.2
36483.891128	-33.7	12.5	-21.2
36457.766945	-33.7	12.5	-21.2
36478.391300	-33.8	12.6	-21.2
36463.266773	-33.8	12.6	-21.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	2


Restricted Band
Level in dBm
20
0
-20
-40
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Threshold
Critical
Final Critical
Sum Level
Gain
Connector1 in dBi
15
14
13
12
11
10
Frequency in Hz
Connector1
Connector2
Connector3
Connector4



Emission Bandwidth 26 dB (6585 MHz; 24.000 dBm; 320 MHz)

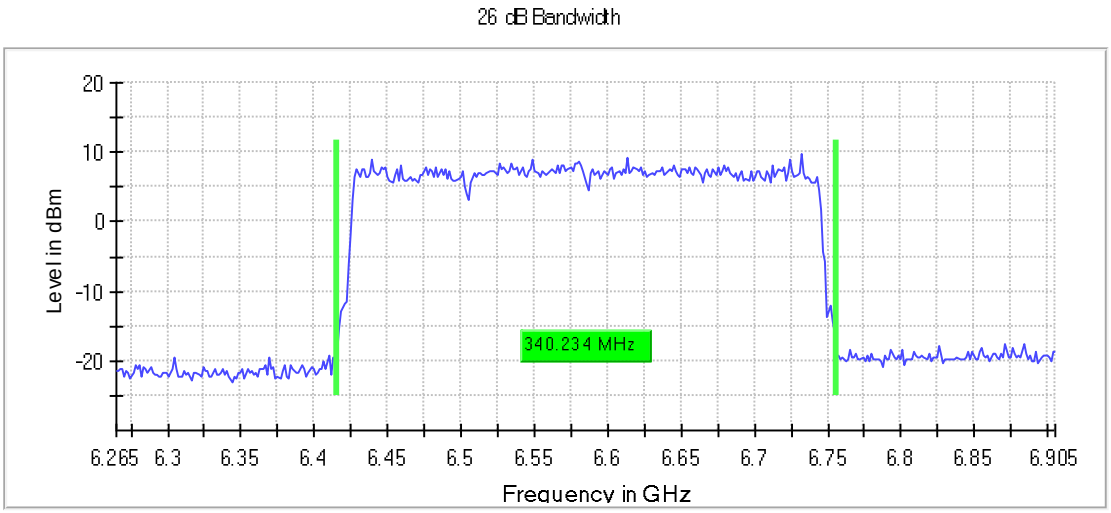
Customized settings.

26 dB Bandwidth

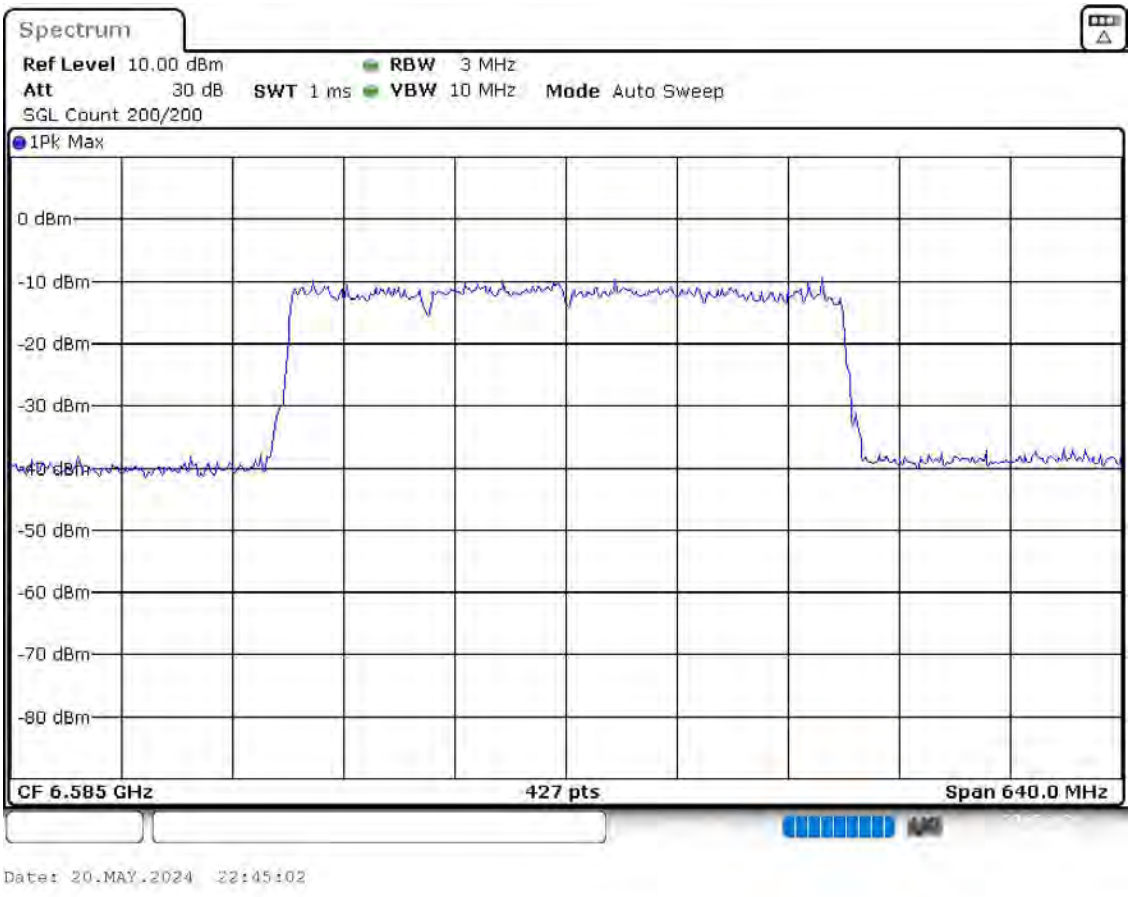
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6585.000000	340.234192	109.367681	230.866511	---	---

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6585.000000	6415.632319	---	6755.866511	---	9.8	PASS


26 dB Bandwidth
Level in dBm
20
10
0
-10
-20
340.234 MHz
6.265
6.3
6.35
6.4
6.45
6.5
6.55
6.6
6.65
6.7
6.75
6.8
6.85
6.905
Frequency in GHz

Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 3 MHz
Att 30 dB
SWT 1 ms
VBW 10 MHz
Mode Auto Sweep
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.585 GHz
427 pts
Span 640.0 MHz
Date: 20.MAY.2024 22:45:02

Power Spectral Density (SA-2) (6585 MHz; 24.000 dBm; 320 MHz)

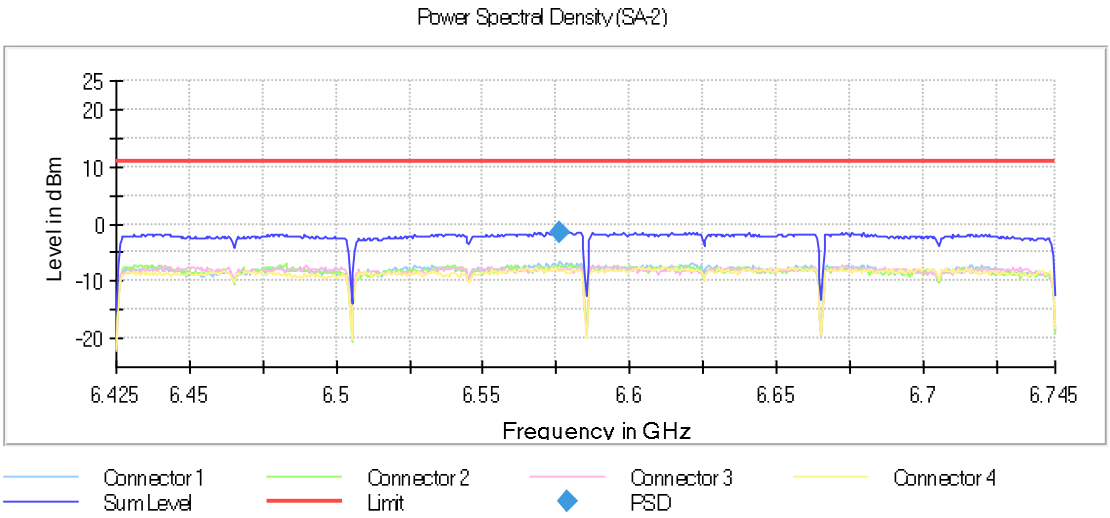
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6585.000000	6576.250000	-1.436	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6585 MHz; 24.000 dBm; 320 MHz)

Customized settings.

Result

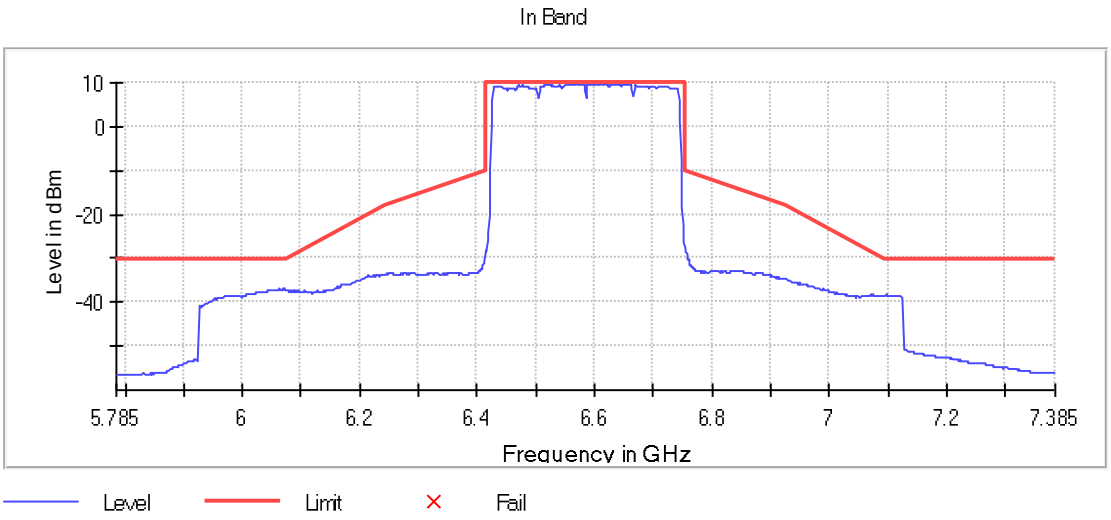
DUT Frequency (MHz)	Result
6585.000000	PASS

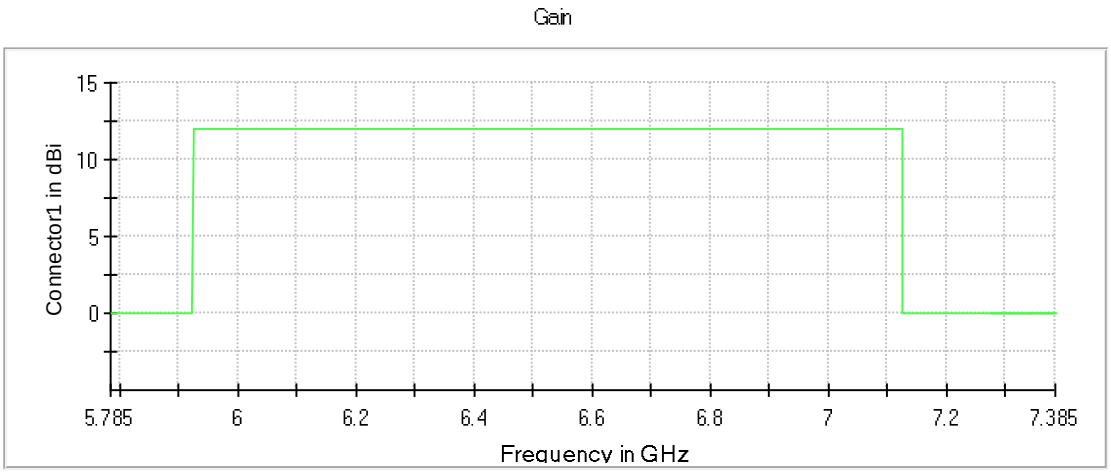
Inband Peak

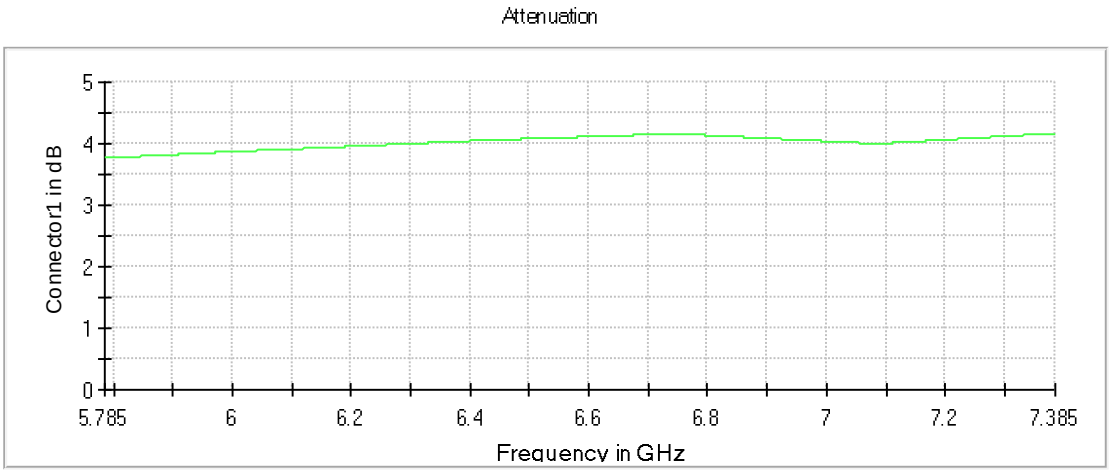
Frequency (MHz)	Level (dBm)
6568.505155	9.9

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6568.505155	9.9	0.0	9.9	PASS
6610.492034	9.9	0.0	9.9	PASS
6617.989691	9.8	0.1	9.9	PASS
6616.490159	9.8	0.1	9.9	PASS
6611.991565	9.8	0.1	9.9	PASS
6619.489222	9.8	0.1	9.9	PASS
6614.990628	9.8	0.1	9.9	PASS
6607.492971	9.8	0.1	9.9	PASS
6608.992502	9.8	0.1	9.9	PASS
6605.993440	9.7	0.1	9.9	PASS
6604.493908	9.7	0.1	9.9	PASS
6620.988754	9.7	0.2	9.9	PASS
6577.502343	9.7	0.2	9.9	PASS
6573.003749	9.7	0.2	9.9	PASS
6570.004686	9.7	0.2	9.9	PASS


In Band
10
0
-20
-40
Level in dBm
5.785
6
6.2
6.4
6.6
6.8
7
7.2
7.385
Frequency in GHz
Level
Limit
Fail


Gain
Connector1 in dBi
15
10
5
0
5.785
6
6.2
6.4
6.6
6.8
7
7.2
7.385
Frequency in GHz
Connector1


Attenuation
Connector1 in dB
5
4
3
2
1
0
5.785
6
6.2
6.4
6.6
6.8
7
7.2
7.385
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6585 MHz; 24.000 dBm; 320 MHz)

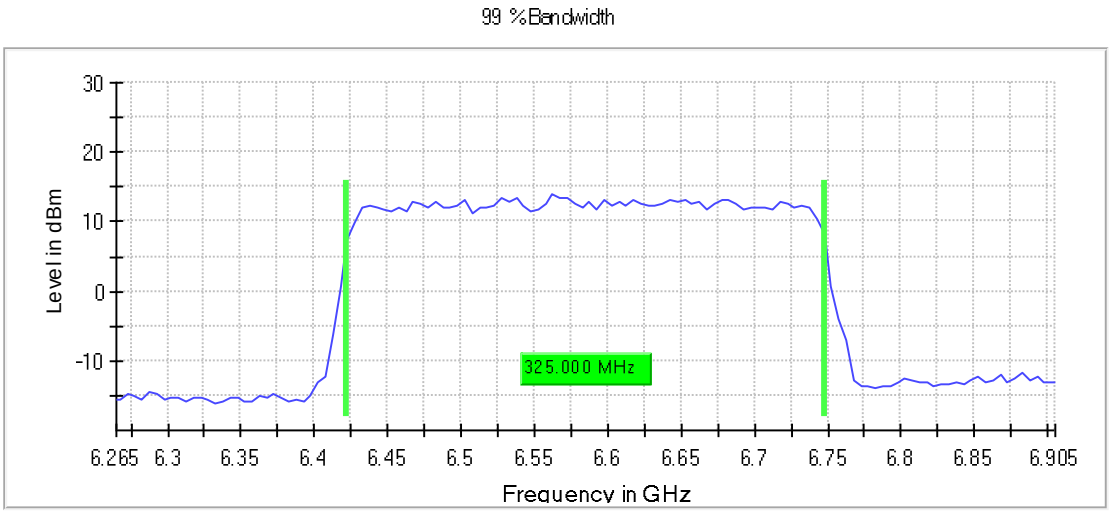
Customized settings.

99 % Bandwidth

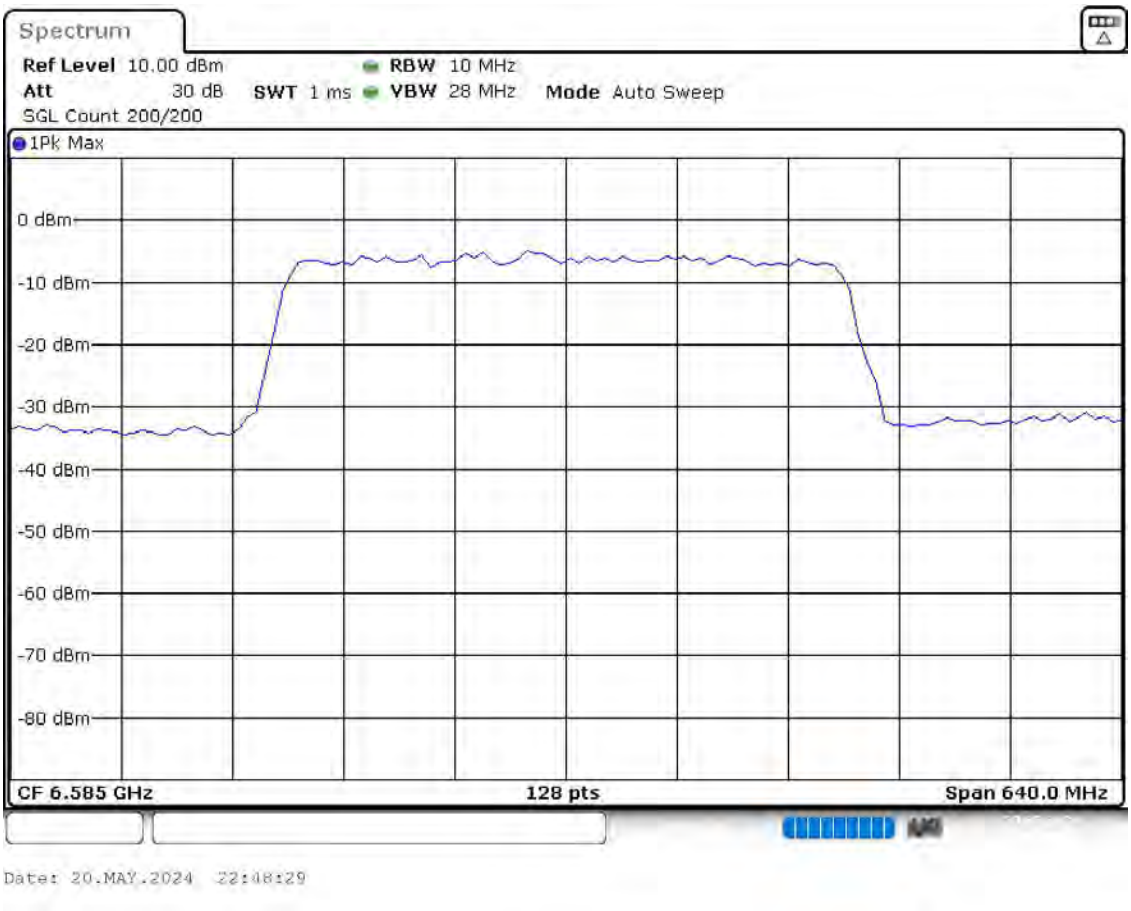
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6585.000000	325.000000	102.500000	222.500000	---	---

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6585.000000	6422.500000	5925.000000	6747.500000	7125.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.26500 GHz	6.26500 GHz
Stop Frequency	6.90500 GHz	6.90500 GHz
Span	640.000 MHz	640.000 MHz
RBW	10.000 MHz	>= 8.000 MHz
VBW	28.000 MHz	>= 30.000 MHz
SweepPoints	128	~ 128
Sweeptime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

Tx Spurious Emission (6585 MHz; 24.000 dBm; 320 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6585.000000	PASS

Final measurements

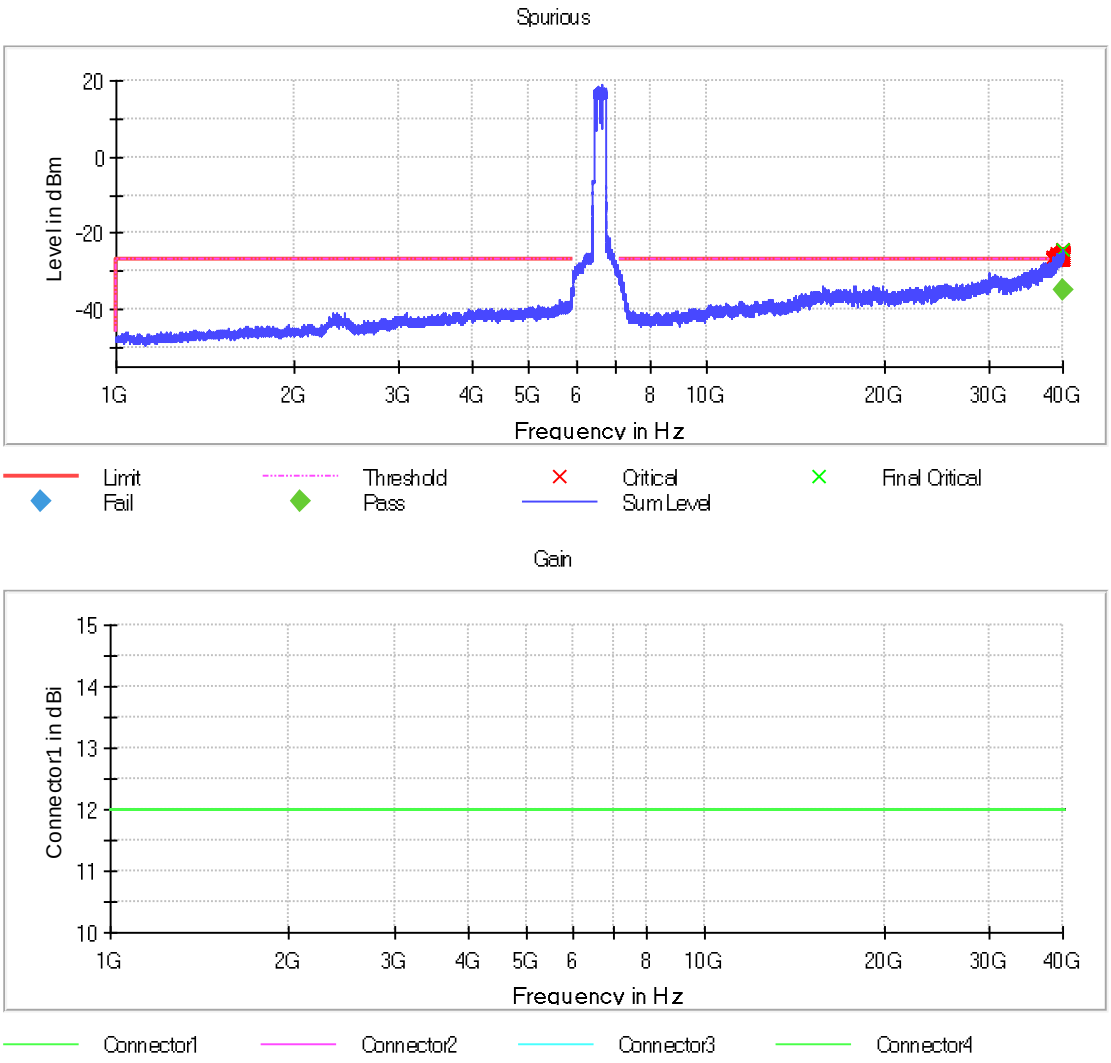
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
39990.750000	-24.1	-34.8	-27.0	7.8	PASS

Pre Measurements

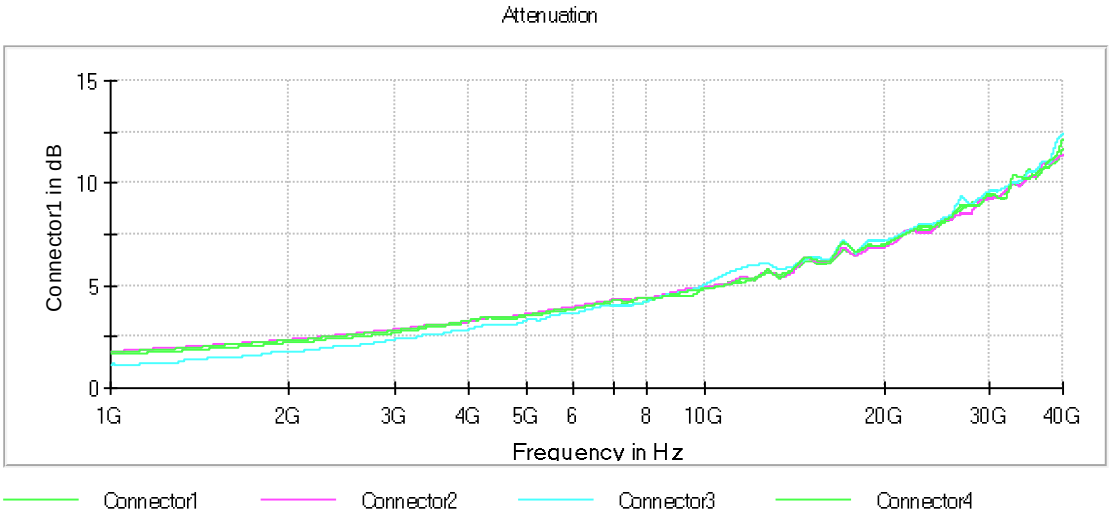
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
39990.750000	-24.1	-2.9	-27.0
39983.750000	-24.2	-2.8	-27.0
39994.250000	-24.2	-2.8	-27.0
39974.750000	-24.5	-2.5	-27.0
39978.250000	-24.6	-2.4	-27.0
39967.250000	-24.6	-2.4	-27.0
39978.750000	-24.6	-2.4	-27.0
39944.750000	-24.6	-2.4	-27.0
39964.750000	-24.7	-2.3	-27.0
39995.250000	-24.7	-2.3	-27.0
39975.750000	-24.7	-2.3	-27.0
39967.750000	-24.7	-2.3	-27.0
39996.250000	-24.8	-2.2	-27.0
39992.750000	-24.8	-2.2	-27.0
39953.750000	-24.9	-2.1	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	2	2
5925.000000	7125.000000	2	2
7125.000000	18000.000000	2	2
18000.000000	26000.000000	2	2
26000.000000	40000.000000	2	2


Spurious
20
0
-20
-40
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Fail
Threshold
Pass
Critical
Sum Level
Final Critical

Gain
15
14
13
12
11
10
Connector1 in dBi
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4


Attenuation
Connector1 in dB
15
10
5
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Average) (6585 MHz; 24.000 dBm; 320 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6585.000000	PASS

Final measurements

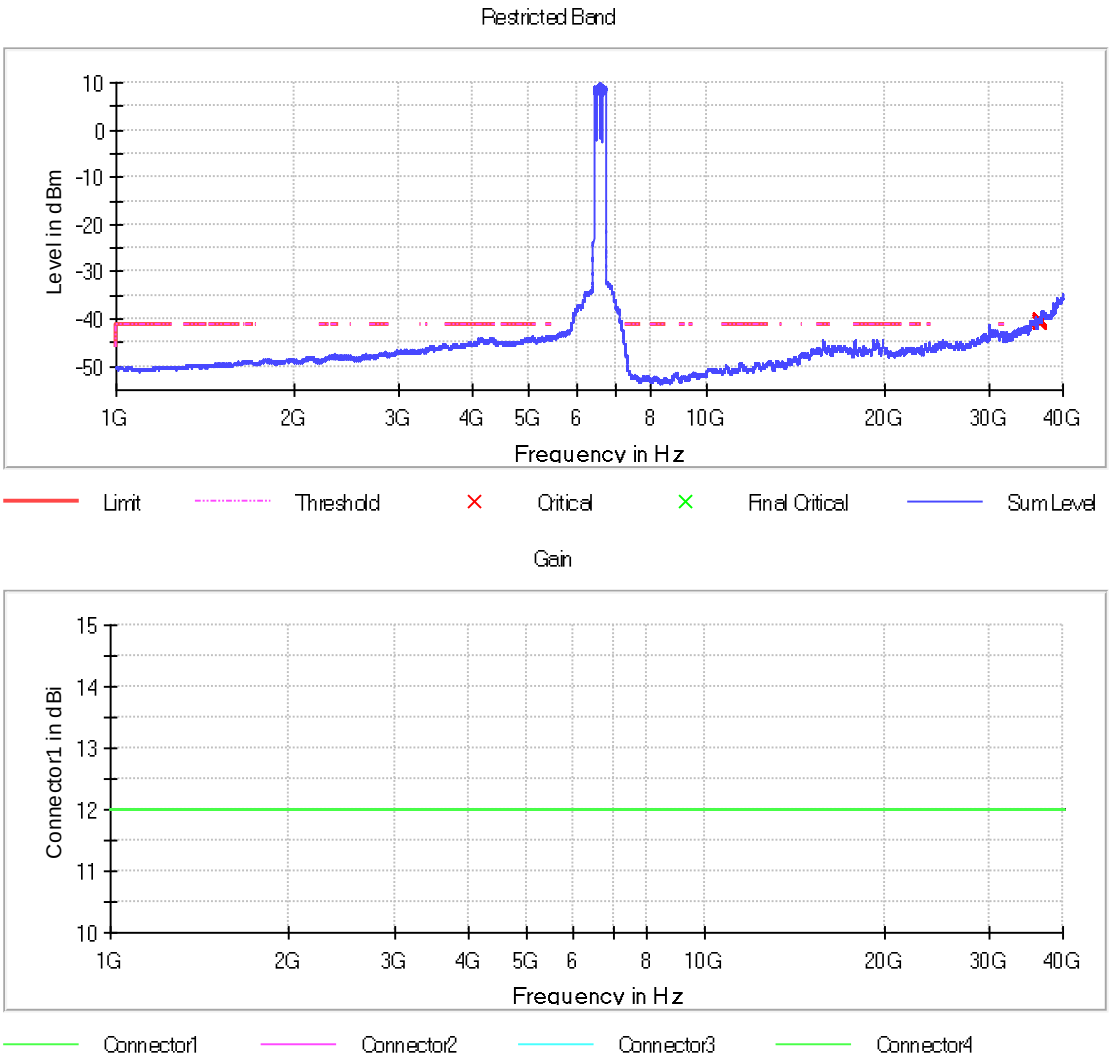
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

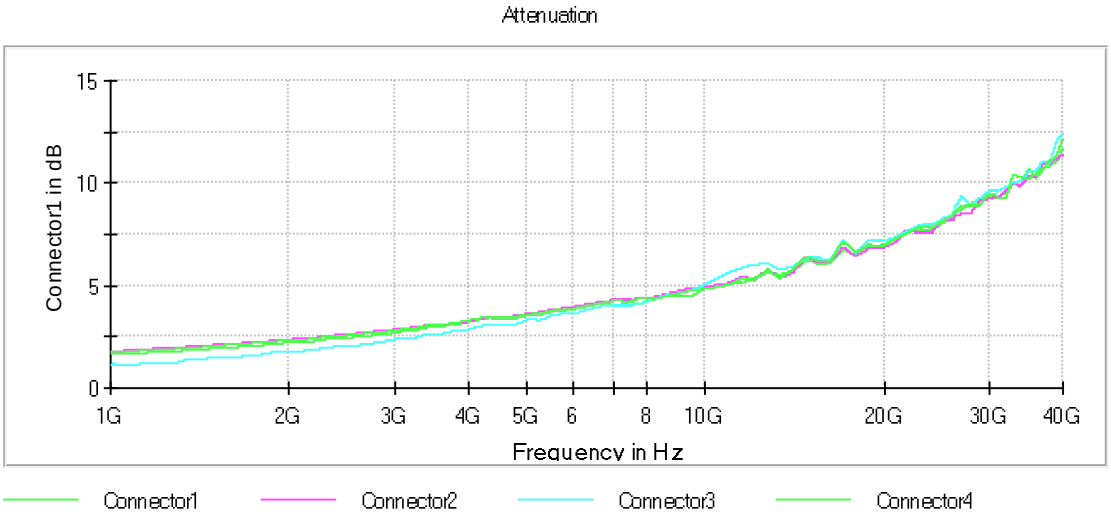
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36499.703134	-40.1	-1.1	-41.2
36497.640699	-40.1	-1.1	-41.2
36492.828349	-40.1	-1.1	-41.2
36477.016343	-40.1	-1.1	-41.2
36493.515828	-40.1	-1.1	-41.2
36494.890785	-40.2	-1.0	-41.2
36499.015656	-40.2	-1.0	-41.2
36487.328521	-40.2	-1.0	-41.2
36498.328177	-40.2	-1.0	-41.2
36477.703822	-40.2	-1.0	-41.2
36490.765914	-40.3	-0.9	-41.2
36467.391644	-40.3	-0.9	-41.2
36488.016000	-40.3	-0.9	-41.2
36468.766601	-40.3	-0.9	-41.2
36492.140871	-40.3	-0.9	-41.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	1


Restricted Band
Level in dBm
10
0
-10
-20
-30
-40
-50
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Threshold
Critical
Final Critical
Sum Level

Gain
Connector1 in dBi
15
14
13
12
11
10
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4


Attenuation
Connector1 in dB
15
10
5
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Peak) (6585 MHz; 24.000 dBm; 320 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6585.000000	PASS

Final measurements

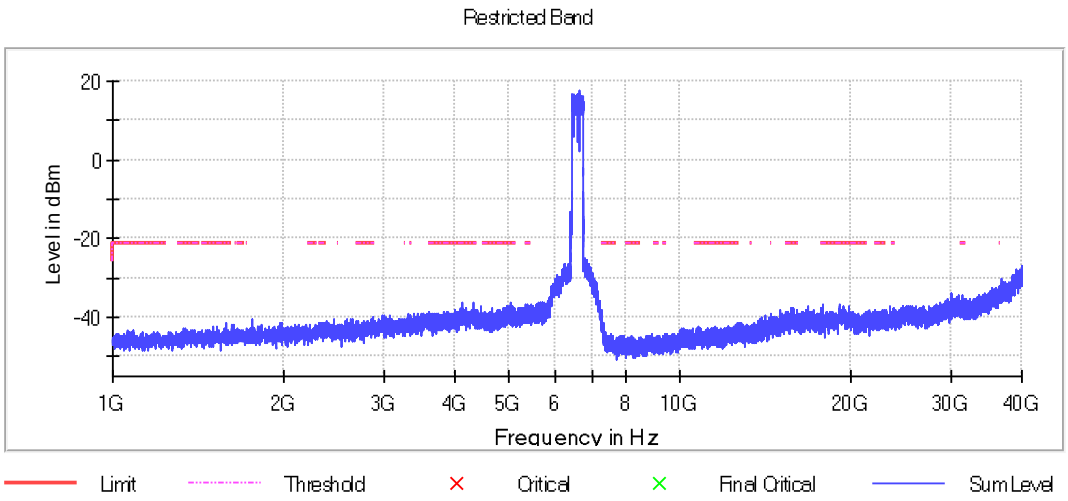
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

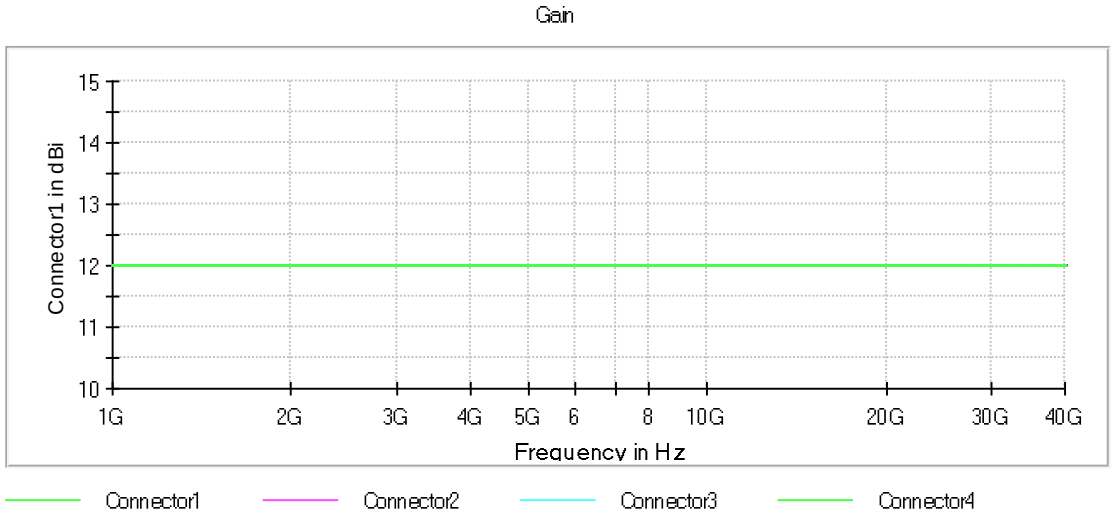
Pre Measurements

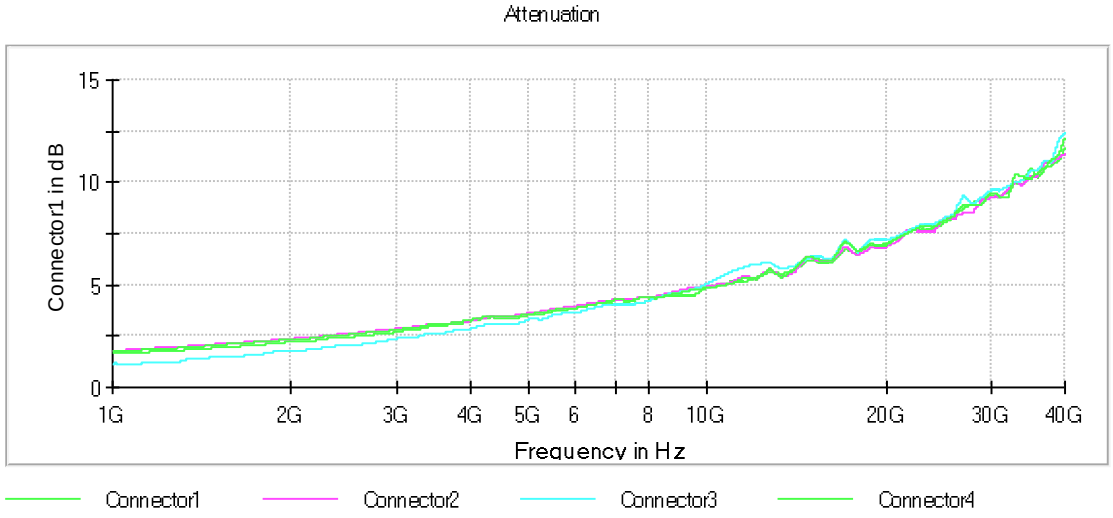
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36499.703134	-33.0	11.8	-21.2
36433.017718	-33.1	11.9	-21.2
36499.015656	-33.2	12.0	-21.2
36490.078435	-33.2	12.0	-21.2
36474.953908	-33.3	12.1	-21.2
36463.954251	-33.5	12.3	-21.2
36492.140871	-33.5	12.3	-21.2
36467.391644	-33.5	12.3	-21.2
36430.955283	-33.6	12.4	-21.2
36483.203650	-33.6	12.4	-21.2
36488.016000	-33.7	12.5	-21.2
36484.578607	-33.8	12.6	-21.2
36492.828349	-33.9	12.7	-21.2
36434.392675	-33.9	12.7	-21.2
36446.079810	-34.1	12.9	-21.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	2


Restricted Band
Level in dBm
20
0
-20
-40
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Threshold
Critical
Final Critical
Sum Level


Gain
Connector1 in dBi
15
14
13
12
11
10
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4


Attenuation
Connector1 in dB
15
10
5
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

-- End of Report –